APPENDIX 5.3 BIG-1

AIR QUALITY TECHNICAL REPORT

*PART 7

2620	490710.04	3858710.04	1.08183	1.51423	1.15794	1.44897	2.03E-03	0.00013	0.02515	1.6E-06	0.02731	2.49E-03	0.000163	0.03097	9.06E-07	3.36E-02	0.002197	0.000125	0.058975	9.36E-07	0.061297
2621	490760.04	3858710.04	1.06371	1.46344	1.1283	1.4084	2.00E-03	0.00013	0.0245	1.6E-06	0.02663	2.45E-03	0.000157	0.030177	8.81E-07	3.28E-02	0.00216	0.000121	0.057465	9.1E-07	0.059747
2622	490810.04	3858710.04	1.0451	1.39778	1.16779	1.36732	1.96E-03	0.00012	0.02536	1.5E-06	0.02745	2.41E-03	0.00015	0.031233	8.55E-07	3.38E-02	0.002122	0.000116	0.059476	8.83E-07	0.061715
2623	490860.04	3858710.04	1.02641	1.36206	1.20812	1.32014	1.93E-03	0.00012	0.02624	1.5E-06	0.02829	2.36E-03	0.000146	0.032312	8.26E-07	3.48E-02	0.002084	0.000113	0.06153	8.53E-07	0.063728
2624	490360.04	3858760.04	1.19164	1.73428	1.22847	1.92207	2.24E-03	0.00015	0.02668	2.1E-06	0.02907	2.74E-03	0.000186	0.032856	1.2E-06	3.58E-02	0.002419	0.000143	0.062567	1.24E-06	0.065131
2625	490410.04	3858760.04	1.18387	1.6735	1.16957	1.88043	2.22E-03	0.00015	0.0254	2.1E-06	0.02777	2.73E-03	0.00018	0.031281	1.18E-06	3.42E-02	0.002404	0.000138	0.059567	1.21E-06	0.06211
2626	490460.04	3858760.04	1.16248	1.66471	1.14603	1.83367	2.18E-03	0.00015	0.02489	2E-06	0.02722	2.68E-03	0.000179	0.030651	1.15E-06	3.35E-02	0.00236	0.000138	0.058368	1.18E-06	0.060867
2627	490510.04	3858760.04	1.11327	1.64231	1.15397	1.75558	2.09E-03	0.00014	0.02506	2E-06	0.0273	2.56E-03	0.000177	0.030864	1.1E-06	3.36E-02	0.00226	0.000136	0.058772	1.13E-06	0.06117
2628	490560.04	3858760.04	1.08057	1.59049	1.15569	1.68192	2.03E-03	0.00014	0.0251	1.9E-06	0.02727	2.49E-03	0.000171	0.03091	1.05E-06	3.36E-02	0.002194	0.000132	0.05886	1.09E-06	0.061187
2629	490610.04	3858760.04	1.06873	1.60232	1.16525	1.60825	2.01E-03	0.00014	0.0253	1.8E-06	0.02746	2.46E-03	0.000172	0.031165	1.01E-06	3.38E-02	0.00217	0.000133	0.059347	1.04E-06	0.06165
2630	490660.04	3858760.04	1.05882	1.57542	1.18267	1.54007	1.99E-03	0.00014	0.02568	1.7E-06	0.02781	2.44E-03	0.000169	0.031631	9.63E-07	3.42E-02	0.00215	0.00013	0.060234	9.95E-07	0.062515
2631	490710.04	3858760.04	1.04852	1.54442	1.19667	1.47405	1.97E-03	0.00014	0.02599	1.6E-06	0.02809	2.41E-03	0.000166	0.032006	9.22E-07	3.46E-02	0.002129	0.000128	0.060947	9.52E-07	0.063205
2632	490760.04	3858760.04	1.0382	1.51699	1.17405	1.42157	1.95E-03	0.00013	0.0255	1.6E-06	0.02758	2.39E-03	0.000163	0.031401	8.89E-07	3.40E-02	0.002108	0.000125	0.059795	9.18E-07	0.062029
2633	490810.04	3858760.04	1.02915	1.49059	1.12983	1.37886	1.93E-03	0.00013	0.02454	1.5E-06	0.0266	2.37E-03	0.00016	0.030218	8.62E-07	3.27E-02	0.00209	0.000123	0.057543	8.91E-07	0.059757
2634	490860.04	3858760.04	1.022	1.44943	1.09122	1.30199	1.92E-03	0.00013	0.0237	1.5E-06	0.02575	2.35E-03	0.000156	0.029185	8.14E-07	3.17E-02	0.002075	0.00012	0.055576	8.41E-07	0.057772
2635	490360.04	3858810.04	1.16559	1.80187	1.20445	1.92071	2.19E-03	0.00016	0.02616	2.1E-06	0.02851	2.68E-03	0.000194	0.032214	1.2E-06	3.51E-02	0.002367	0.000149	0.061343	1.24E-06	0.06386
2636	490410.04	3858810.04	1.16688	1.75692	1.23518	1.88245	2.19E-03	0.00015	0.02682	2.1E-06	0.02917	2.69E-03	0.000189	0.033036	1.18E-06	3.59E-02	0.002369	0.000145	0.062908	1.22E-06	0.065424
2637	490460.04	3858810.04	1.16682	1.71006	1.18754	1.83914	2.19E-03	0.00015	0.02579	2.1E-06	0.02813	2.69E-03	0.000184	0.031762	1.15E-06	3.46E-02	0.002369	0.000141	0.060482	1.19E-06	0.062994
2638	490510.04	3858810.04	1.14068	1.63056	1.14945	1.80157	2.14E-03	0.00014	0.02496	2E-06	0.02725	2.63E-03	0.000175	0.030743	1.13E-06	3.35E-02	0.002316	0.000135	0.058542	1.16E-06	0.060994
2639	490560.04	3858810.04	1.09422	1.59927	1.12318	1.75708	2.06E-03	0.00014	0.02439	2E-06	0.02659	2.52E-03	0.000172	0.03004	1.1E-06	3.27E-02	0.002222	0.000132	0.057204	1.14E-06	0.059559
2640	490610.04	3858810.04	1.04783	1.6118	1.12978	1.67389	1.97E-03	0.00014	0.02453	1.9E-06	0.02665	2.41E-03	0.000173	0.030217	1.05E-06	3.28E-02	0.002127	0.000133	0.05754	1.08E-06	0.059802
2641	490660.04	3858810.04	1.02317	1.55381	1.13138	1.59953	1.92E-03	0.00014	0.02457	1.8E-06	0.02663	2.36E-03	0.000167	0.03026	1E-06	3.28E-02	0.002077	0.000128	0.057622	1.03E-06	0.059829
2642	490710.04	3858810.04	1.01009	1.54813	1.13565	1.52387	1.90E-03	0.00014	0.02466	1.7E-06	0.0267	2.33E-03	0.000166	0.030374	9.53E-07	3.29E-02	0.002051	0.000128	0.057839	9.84E-07	0.060019
2643	490760.04	3858810.04	0.99354	1.54482	1.15973	1.44166	1.87E-03	0.00014	0.02518	1.6E-06	0.02719	2.29E-03	0.000166	0.031018	9.02E-07	3.35E-02	0.002017	0.000128	0.059066	9.31E-07	0.061212
2644	490810.04	3858810.04	0.98734	1.5135	1.17291	1.39406	1.86E-03	0.00013	0.02547	1.6E-06	0.02746	2.27E-03	0.000163	0.03137	8.72E-07	3.38E-02	0.002005	0.000125	0.059737	9.01E-07	0.061868
2645	490860.04	3858810.04	0.97572	1.48649	1.14648	1.34793	1.83E-03	0.00013	0.0249	1.5E-06	0.02686	2.25E-03	0.00016	0.030663	8.43E-07	3.31E-02	0.001981	0.000123	0.058391	8.71E-07	0.060496
2646	490360.04	3858860.04	1.11153	1.7963	1.19933	1.8514	2.09E-03	0.00016	0.02604	2.1E-06	0.02829	2.56E-03	0.000193	0.032077	1.16E-06	3.48E-02	0.002257	0.000149	0.061083	1.2E-06	0.063489
2647	490410.04	3858860.04	1.11561	1.78509	1.19238	1.82906	2.10E-03	0.00016	0.02589	2E-06	0.02815	2.57E-03	0.000192	0.031891	1.14E-06	3.47E-02	0.002265	0.000148	0.060729	1.18E-06	0.063143
2648	490460.04	3858860.04	1.12072	1.75449	1.18429	1.80732	2.11E-03	0.00015	0.02572	2E-06	0.02798	2.58E-03	0.000189	0.031675	1.13E-06	3.44E-02	0.002275	0.000145	0.060317	1.17E-06	0.062738
2649	490510.04	3858860.04	1.12534	1.6951	1.20543	1.80662	2.11E-03	0.00015	0.02618	2E-06	0.02844	2.59E-03	0.000182	0.03224	1.13E-06	3.50E-02	0.002285	0.00014	0.061393	1.17E-06	0.063819
2650	490560.04	3858860.04	1.12233	1.67704	1.14938	1.76345	2.11E-03	0.00015	0.02496	2E-06	0.02722	2.58E-03	0.00018	0.030741	1.1E-06	3.35E-02	0.002279	0.000139	0.058539	1.14E-06	0.060957
2651	490610.04	3858860.04	1.07878	1.60173	1.12864	1.70269	2.03E-03	0.00014	0.02451	1.9E-06	0.02668	2.48E-03	0.000172	0.030186	1.06E-06	3.28E-02	0.00219	0.000132	0.057482	1.1E-06	0.059806
2652	490660.04	3858860.04	1.03574	1.53807	1.10174	1.65415	1.95E-03	0.00013	0.02393	1.8E-06	0.02601	2.39E-03	0.000165	0.029467	1.03E-06	3.20E-02	0.002103	0.000127	0.056112	1.07E-06	0.058343
2653	490710.04	3858860.04	0.99249	1.54567	1.10525	1.58772	1.87E-03	0.00014	0.024	1.8E-06	0.026	2.29E-03	0.000166	0.029561	9.93E-07	3.20E-02	0.002015	0.000128	0.056291	1.03E-06	0.058435
2654	490760.04	3858860.04	0.9655	1.52514	1.10899	1.50249	1.81E-03	0.00013	0.02408	1.7E-06	0.02603	2.22E-03	0.000164	0.029661	9.4E-07	3.20E-02	0.00196	0.000126	0.056481	9.71E-07	0.058569
2655	490810.04	3858860.04	0.9503	1.49128	1.11762	1.42298	1.79E-03	0.00013	0.02427	1.6E-06	0.02619	2.19E-03	0.00016	0.029892	8.9E-07	3.22E-02	0.001929	0.000123	0.056921	9.19E-07	0.058975
2656	490860.04	3858860.04	0.93607	1.49459	1.14257	1.34464	1.76E-03	0.00013	0.02481	1.5E-06	0.0267	2.16E-03	0.000161	0.030559	8.41E-07	3.29E-02	0.001901	0.000124	0.058192	8.69E-07	0.060217
2657	490360.04	3858910.04	1.09428	1.72283	1.16547	1.84616	2.06E-03	0.00015	0.02531	2.1E-06	0.02752	2.52E-03	0.000185	0.031171	1.15E-06	3.39E-02	0.002222	0.000142	0.059358	1.19E-06	0.061724
2658	490410.04	3858910.04	1.08055	1.73664	1.17225	1.75747	2.03E-03	0.00015	0.02546	2E-06	0.02764	2.49E-03	0.000187	0.031353	1.1E-06	3.40E-02	0.002194	0.000144	0.059703	1.14E-06	0.062042
2659	490460.04	3858910.04	1.06961	1.74164	1.17368	1.7389	2.01E-03	0.00015	0.02549	1.9E-06	0.02765	2.46E-03	0.000187	0.031391	1.09E-06	3.40E-02	0.002172	0.000144	0.059776	1.12E-06	0.062093
2660	490510.04	3858910.04	1.05805	1.73794	1.16981	1.7304	1.99E-03	0.00015	0.0254	1.9E-06	0.02755	2.44E-03	0.000187	0.031287	1.08E-06	3.39E-02	0.002148	0.000144	0.059579	1.12E-06	0.061872
2661	490560.04	3858910.04	1.0624	1.70125	1.16089	1.67022	2.00E-03	0.00015	0.02521	1.9E-06	0.02736	2.45E-03	0.000183	0.031049	1.04E-06	3.37E-02	0.002157	0.000141	0.059125	1.08E-06	0.061424
2662	490610.04	3858910.04	1.06762	1.64956	1.16433	1.6401	2.01E-03	0.00014	0.02528	1.8E-06	0.02744	2.46E-03	0.000177	0.031141	1.03E-06	3.38E-02	0.002168	0.000136	0.0593	1.06E-06	0.061605
2663	490660.04	3858910.04	1.07158	1.64736	1.12664	1.64128	2.01E-03	0.00014	0.02447	1.8E-06	0.02663	2.47E-03	0.000177	0.030133	1.03E-06	3.28E-02	0.002176	0.000136	0.05738	1.06E-06	0.059693
2664	490710.04	3858910.04	1.0317	1.57178	1.10204	1.59744	1.94E-03	0.00014	0.02393	1.8E-06	0.02601	2.38E-03	0.000169	0.029475	9.99E-07	3.20E-02	0.002095	0.00013	0.056128	1.03E-06	0.058353
2665	490760.04	3858910.04	0.9892	1.49916	1.08263	1.53095	1.86E-03	0.00013	0.02351	1.7E-06	0.0255	2.28E-03	0.000161	0.028956	9.58E-07	3.14E-02	0.002008	0.000124	0.055139	9.89E-07	0.057272
2666	490810.04	3858910.04	0.97637	1.48256	1.08858	1.45699	1.83E-03	0.00013	0.02364	1.6E-06	0.02561	2.25E-03	0.000159	0.029115	9.11E-07	3.15E-02	0.001982	0.000123	0.055442	9.41E-07	0.057548
2667	490860.04	3858910.04	0.96672	1.48765	1.09376	1.36725	1.82E-03	0.00013	0.02375	1.5E-06	0.0257	2.23E-03	0.00016	0.029253	8.55E-07	3.16E-02	0.001963	0.000123	0.055706	8.83E-07	0.057793
2668	490360.04	3858960.04	1.08436	1.62197	1.11436	1.75334	2.04E-03	0.00014	0.0242	2E-06	0.02638	2.50E-03	0.000174	0.029804	1.1E-06	3.25E-02	0.002202	0.000134	0.056755	1.13E-06	0.059092
2669	490410.04	3858960.04	1.06983	1.65531	1.13316	1.75189	2.01E-03	0.00015	0.02461	2E-06	0.02677	2.46E-03	0.000178	0.030307	1.1E-06	3.29E-02	0.002172	0.000137	0.057712	1.13E-06	0.060023
2670	490460.04	3858960.04	1.06072	1.68004	1.14638	1.73695	1.99E-03	0.00015	0.02489	1.9E-06	0.02704	2.44E-03	0.000181	0.030661	1.09E-06	3.33E-02	0.002154	0.000139	0.058386	1.12E-06	0.06068
2671	490510.04	3858960.04	1.05891	1.69372	1.1527	1.66536	1.99E-03	0.00015	0.02503	1.9E-06	0.02717	2.44E-03	0.000182	0.03083	1.04E-06	3.35E-02	0.00215	0.00014	0.058708	1.08E-06	0.060999
2672	490560.04	3858960.04	1.04708	1.69771	1.15311	1.62685	1.97E-03	0.00015	0.02504	1.8E-06	0.02716	2.41E-03	0.000183	0.030841	1.02E-06	3.34E-02	0.002126	0.00014	0.058729	1.05E-06	0.060996
2673	490610.04	3858960.04	1.03409	1.69451	1.14807	1.57084	1.94E-03	0.00015	0.02493	1.8E-06	0.02703	2.38E-03	0.000182	0.030706	9.82E-07	3.33E-02	0.0021	0.00014	0.058472	1.01E-06	0.060713
2674	490660.04	3858960.04	1.02154	1.64914	1.1386	1.55788	1.92E-03	0.00014	0.02473	1.7E-06	0.02679	2.35E-03	0.000177	0.030453	9.74E-07	3.30E-02	0.002074	0.000136	0.05799	1.01E-06	0.060201
2675	490710.04	3858960.04	1.01538	1.59844	1.11992	1.4895	1.91E-03	0.00014	0.02432	1.7E-06	0.02637	2.34E-03	0.000172	0.029953	9.32E-07	3.25E-02	0.002062	0.000132	0.057038	9.62E-07	0.059233
2676	490760.04	3858960.04	1.01079	1.58741	1.10227	1.43187	1.90E-03	0.00014	0.02394	1.6E-06	0.02598	2.33E-03	0.000171	0.029481	8.96E-07	3.20E-02	0.002052	0.000131	0.056139	9.25E-07	0.058324
2677	490810.04	3858960.04	1.00132	1.53895	1.0851	1.40771	1.88E-03	0.00014	0.02356	1.6E-06	0.02558	2.31E-03	0.000165	0.029022	8.8E-07	3.15E-02	0.002033	0.000127	0.055265	9.09E-07	0.057426
2678	490860.04	3858960.04	1.00255	1.46718	1.07065	1.363	1.88E-03	0.00013	0.02325	1.5E-06	0.02526	2.31E-03	0.000158	0.028635	8.52E-07	3.11E-02	0.002036	0.000121	0.054529	8.8E-07	0.056687
2679	490360.04	3859010.04	1.07071	1.54221	1.04487	1.66717	2.01E-03	0.00014	0.02269	1.9E-06	0.02484	2.47E-03	0.000166	0.027946	1.04E-06	3.06E-02	0.002174	0.000128	0.053216	1.08E-06	0.055518
2680	490410.04	3859010.04	1.05244	1.58737	1.0736	1.66511	1.98E-03	0.00014	0.02331	1.9E-06	0.02543	2.42E-03	0.000171	0.028714	1.04E-06	3.13E-02	0.002137	0.000131	0.054679	1.08E-06	0.056948

2681	490460.04	3859010.04	1.03147	1.58448	1.09801	1.64233	1.94E-03	0.00014	0.02384	1.8E-06	0.02592	2.38E-03	0.00017	0.029367	1.03E-06	3.19E-02	0.002094	0.000131	0.055922	1.06E-06	0.058149
2682	490510.04	3859010.04	1.00983	1.6164	1.1159	1.60762	1.90E-03	0.00014	0.02423	1.8E-06	0.02627	2.33E-03	0.000174	0.029846	1.01E-06	3.23E-02	0.00205	0.000134	0.056833	1.04E-06	0.059018
2683	490560.04	3859010.04	1.01122	1.63474	1.12562	1.60222	1.90E-03	0.00014	0.02444	1.8E-06	0.02649	2.33E-03	0.000176	0.030105	1E-06	3.26E-02	0.002053	0.000135	0.057328	1.03E-06	0.059518
2684	490610.04	3859010.04	1.01013	1.64764	1.13183	1.53931	1.90E-03	0.00014	0.02458	1.7E-06	0.02662	2.33E-03	0.000177	0.030272	9.63E-07	3.28E-02	0.002051	0.000136	0.057645	9.94E-07	0.059833
2685	490660.04	3859010.04	1.01284	1.64822	1.12912	1.51794	1.90E-03	0.00014	0.02452	1.7E-06	0.02657	2.33E-03	0.000177	0.030199	9.49E-07	3.27E-02	0.002056	0.000136	0.057507	9.81E-07	0.0597
2686	490710.04	3859010.04	1.01342	1.64355	1.12523	1.45567	1.90E-03	0.00014	0.02444	1.6E-06	0.02649	2.33E-03	0.000177	0.030095	9.1E-07	3.26E-02	0.002058	0.000136	0.057309	9.4E-07	0.059503
2687	490760.04	3859010.04	1.01403	1.59508	1.12915	1.39669	1.91E-03	0.00014	0.02452	1.6E-06	0.02657	2.34E-03	0.000171	0.0302	8.74E-07	3.27E-02	0.002059	0.000132	0.057508	9.02E-07	0.0597
2688	490810.04	3859010.04	1.01583	1.54236	1.11171	1.33706	1.91E-03	0.00014	0.02414	1.5E-06	0.02619	2.34E-03	0.000166	0.029733	8.36E-07	3.22E-02	0.002063	0.000128	0.05662	8.64E-07	0.058811
2689	490860.04	3859010.04	0.98909	1.50054	1.10253	1.27705	1.86E-03	0.00013	0.02394	1.4E-06	0.02593	2.28E-03	0.000161	0.029488	7.99E-07	3.19E-02	0.002008	0.000124	0.056152	8.25E-07	0.058286
2690	490360.04	3859060.04	1.03617	1.46907	0.9892	1.54527	1.95E-03	0.00013	0.02148	1.7E-06	0.02356	2.39E-03	0.000158	0.026457	9.66E-07	2.90E-02	0.002104	0.000121	0.050381	9.98E-07	0.052607
2691	490410.04	3859060.04	1.01645	1.47927	1.00041	1.55071	1.91E-03	0.00013	0.02172	1.7E-06	0.02377	2.34E-03	0.000159	0.026757	9.7E-07	2.93E-02	0.002064	0.000122	0.050951	1E-06	0.053139
2692	490460.04	3859060.04	0.9987	1.51901	1.0314	1.5488	1.88E-03	0.00013	0.0224	1.7E-06	0.02441	2.30E-03	0.000163	0.027585	9.69E-07	3.00E-02	0.002028	0.000126	0.05253	1E-06	0.054684
2693	490510.04	3859060.04	0.98203	1.55731	1.05754	1.53917	1.85E-03	0.00014	0.02297	1.7E-06	0.02495	2.26E-03	0.000167	0.028285	9.63E-07	3.07E-02	0.001994	0.000129	0.053861	9.94E-07	0.055985
2694	490560.04	3859060.04	0.96333	1.54154	1.08273	1.50766	1.81E-03	0.00014	0.02351	1.7E-06	0.02546	2.22E-03	0.000166	0.028958	9.43E-07	3.13E-02	0.001956	0.000127	0.055144	9.74E-07	0.057228
2695	490610.04	3859060.04	0.95776	1.56718	1.09799	1.48731	1.80E-03	0.00014	0.02384	1.7E-06	0.02578	2.21E-03	0.000168	0.029366	9.3E-07	3.17E-02	0.001945	0.00013	0.055921	9.61E-07	0.057996
2696	490660.04	3859060.04	0.96092	1.58462	1.1078	1.46349	1.81E-03	0.00014	0.02406	1.6E-06	0.026	2.21E-03	0.00017	0.029629	9.15E-07	3.20E-02	0.001951	0.000131	0.056421	9.45E-07	0.058504
2697	490710.04	3859060.04	0.96125	1.59382	1.11657	1.40413	1.81E-03	0.00014	0.02425	1.6E-06	0.0262	2.21E-03	0.000171	0.029863	8.78E-07	3.22E-02	0.001952	0.000132	0.056868	9.07E-07	0.058952
2698	490760.04	3859060.04	0.9627	1.59384	1.12087	1.34646	1.81E-03	0.00014	0.02434	1.5E-06	0.02629	2.22E-03	0.000171	0.029978	8.42E-07	3.24E-02	0.001955	0.000132	0.057087	8.7E-07	0.059174
2699	490810.04	3859060.04	0.96521	1.58306	1.12486	1.28219	1.81E-03	0.00014	0.02443	1.4E-06	0.02638	2.22E-03	0.00017	0.030085	8.02E-07	3.25E-02	0.00196	0.000131	0.05729	8.28E-07	0.059381
2700	490860.04	3859060.04	0.97047	1.57827	1.11721	1.22345	1.82E-03	0.00014	0.02426	1.4E-06	0.02622	2.23E-03	0.00017	0.029881	7.65E-07	3.23E-02	0.00197	0.000131	0.0569	7.9E-07	0.059002
2701	490360.04	3859110.04	0.99137	1.42056	0.90189	1.47115	1.86E-03	0.00012	0.01959	1.6E-06	0.02157	2.28E-03	0.000153	0.024122	9.2E-07	2.66E-02	0.002013	0.000117	0.045934	9.5E-07	0.048065
2702	490410.04	3859110.04	0.9758	1.42906	0.91646	1.42844	1.83E-03	0.00013	0.0199	1.6E-06	0.02186	2.25E-03	0.000154	0.024511	8.93E-07	2.69E-02	0.001981	0.000118	0.046676	9.23E-07	0.048776
2703	490460.04	3859110.04	0.96303	1.44093	0.95579	1.44174	1.81E-03	0.00013	0.02076	1.6E-06	0.02269	2.22E-03	0.000155	0.025563	9.02E-07	2.79E-02	0.001955	0.000119	0.048679	9.31E-07	0.050754
2704	490510.04	3859110.04	0.94329	1.44687	0.98758	1.42117	1.77E-03	0.00013	0.02145	1.6E-06	0.02335	2.17E-03	0.000156	0.026413	8.89E-07	2.87E-02	0.001915	0.00012	0.050298	9.18E-07	0.052334
2705	490560.04	3859110.04	0.92872	1.48265	1.02089	1.4128	1.75E-03	0.00013	0.02217	1.6E-06	0.02405	2.14E-03	0.000159	0.027304	8.84E-07	2.96E-02	0.001886	0.000123	0.051995	9.13E-07	0.054004
2706	490610.04	3859110.04	0.91528	1.51654	1.0489	1.38596	1.72E-03	0.00013	0.02278	1.5E-06	0.02463	2.11E-03	0.000163	0.028054	8.67E-07	3.03E-02	0.001858	0.000125	0.053421	8.95E-07	0.055406
2707	490660.04	3859110.04	0.90358	1.49091	1.06637	1.33902	1.70E-03	0.00013	0.02316	1.5E-06	0.02499	2.08E-03	0.00016	0.028521	8.37E-07	3.08E-02	0.001835	0.000123	0.054311	8.65E-07	0.05627
2708	490710.04	3859110.04	0.90748	1.51321	1.08216	1.31529	1.71E-03	0.00013	0.0235	1.5E-06	0.02534	2.09E-03	0.000163	0.028943	8.23E-07	3.12E-02	0.001843	0.000125	0.055115	8.5E-07	0.057084
2709	490760.04	3859110.04	0.91096	1.52784	1.09698	1.26895	1.71E-03	0.00013	0.02382	1.4E-06	0.02567	2.10E-03	0.000164	0.029339	7.94E-07	3.16E-02	0.00185	0.000126	0.05587	8.2E-07	0.057847
2710	490810.04	3859110.04	0.91503	1.64948	1.11454	1.20243	1.72E-03	0.00014	0.0242	1.3E-06	0.02607	2.11E-03	0.000177	0.029809	7.52E-07	3.21E-02	0.001858	0.000136	0.056764	7.77E-07	0.058759
2711	490860.04	3859110.04	0.91954	1.65153	1.13153	1.12169	1.73E-03	0.00014	0.02457	1.3E-06	0.02645	2.12E-03	0.000178	0.030264	7.02E-07	3.26E-02	0.001867	0.000137	0.057629	7.25E-07	0.059634
2712	490360.04	3859160.04	0.94354	1.36937	0.85209	1.42176	1.77E-03	0.00012	0.0185	1.6E-06	0.0204	2.17E-03	0.000147	0.02279	8.89E-07	2.51E-02	0.001916	0.000113	0.043397	9.18E-07	0.045427
2713	490410.04	3859160.04	0.93335	1.38451	0.87751	1.402	1.75E-03	0.00012	0.01906	1.6E-06	0.02093	2.15E-03	0.000149	0.02347	8.77E-07	2.58E-02	0.001895	0.000114	0.044692	9.06E-07	0.046703
2714	490460.04	3859160.04	0.92223	1.38715	0.89115	1.37073	1.73E-03	0.00012	0.01935	1.5E-06	0.02121	2.12E-03	0.000149	0.023834	8.57E-07	2.61E-02	0.001872	0.000115	0.045387	8.85E-07	0.047375
2715	490510.04	3859160.04	0.91011	1.39709	0.91658	1.325	1.71E-03	0.00012	0.0199	1.5E-06	0.02174	2.10E-03	0.00015	0.024515	8.29E-07	2.68E-02	0.001848	0.000116	0.046682	8.56E-07	0.048646
2716	490560.04	3859160.04	0.8965	1.40782	0.94329	1.30172	1.68E-03	0.00012	0.02048	1.5E-06	0.02229	2.06E-03	0.000151	0.025229	8.14E-07	2.74E-02	0.00182	0.000116	0.048042	8.41E-07	0.04998
2717	490610.04	3859160.04	0.88507	1.40469	0.97785	1.30176	1.66E-03	0.00012	0.02124	1.5E-06	0.02302	2.04E-03	0.000151	0.026153	8.14E-07	2.83E-02	0.001797	0.000116	0.049802	8.41E-07	0.051716
2718	490660.04	3859160.04	0.86837	1.43634	0.99581	1.22382	1.63E-03	0.00013	0.02163	1.4E-06	0.02338	2.00E-03	0.000154	0.026634	7.65E-07	2.88E-02	0.001763	0.000119	0.050717	7.91E-07	0.0526
2719	490710.04	3859160.04	0.86669	1.46342	1.01239	1.20676	1.63E-03	0.00013	0.02199	1.3E-06	0.02374	2.00E-03	0.000157	0.027077	7.55E-07	2.92E-02	0.00176	0.000121	0.051562	7.8E-07	0.053443
2720	490760.04	3859160.04	0.86749	1.57787	1.03498	1.13339	1.63E-03	0.00014	0.02248	1.3E-06	0.02425	2.00E-03	0.00017	0.027681	7.09E-07	2.98E-02	0.001761	0.00013	0.052712	7.32E-07	0.054605
2721	490810.04	3859160.04	0.86741	1.56404	1.0578	1.10002	1.63E-03	0.00014	0.02297	1.2E-06	0.02474	2.00E-03	0.000168	0.028292	6.88E-07	3.05E-02	0.001761	0.000129	0.053874	7.11E-07	0.055766
2722	490860.04	3859160.04	0.86968	1.57684	1.08049	1.05548	1.63E-03	0.00014	0.02346	1.2E-06	0.02524	2.00E-03	0.00017	0.028898	6.6E-07	3.11E-02	0.001766	0.00013	0.05503	6.82E-07	0.056927
2723	490360.04	3859210.04	0.89892	1.29343	0.88153	1.40028	1.69E-03	0.00011	0.01914	1.6E-06	0.02095	2.07E-03	0.000139	0.023577	8.76E-07	2.58E-02	0.001825	0.000107	0.044897	9.05E-07	0.04683
2724	490410.04	3859210.04	0.89282	1.31615	0.84647	1.36768	1.68E-03	0.00012	0.01838	1.5E-06	0.02018	2.06E-03	0.000141	0.022639	8.55E-07	2.48E-02	0.001813	0.000109	0.043111	8.83E-07	0.045034
2725	490460.04	3859210.04	0.88374	1.34066	0.84512	1.32689	1.66E-03	0.00012	0.01835	1.5E-06	0.02013	2.04E-03	0.000144	0.022603	8.3E-07	2.48E-02	0.001794	0.000111	0.043042	8.57E-07	0.044948
2726	490510.04	3859210.04	0.87584	1.35055	0.86558	1.29142	1.65E-03	0.00012	0.0188	1.4E-06	0.02056	2.02E-03	0.000145	0.023151	8.08E-07	2.53E-02	0.001778	0.000112	0.044084	8.34E-07	0.045975
2727	490560.04	3859210.04	0.86695	1.348	0.88091	1.26349	1.63E-03	0.00012	0.01913	1.4E-06	0.02088	2.00E-03	0.000145	0.023561	7.9E-07	2.57E-02	0.00176	0.000111	0.044865	8.16E-07	0.046738
2728	490610.04	3859210.04	0.85799	1.36037	0.92375	1.21287	1.61E-03	0.00012	0.02006	1.4E-06	0.02179	1.98E-03	0.000146	0.024706	7.59E-07	2.68E-02	0.001742	0.000113	0.047047	7.83E-07	0.048902
2729	490660.04	3859210.04	0.84406	1.36368	0.93322	1.14562	1.59E-03	0.00012	0.02027	1.3E-06	0.02197	1.94E-03	0.000147	0.02496	7.17E-07	2.71E-02	0.001714	0.000113	0.047529	7.4E-07	0.049357
2730	490710.04	3859210.04	0.83716	1.35668	0.94596	1.13027	1.57E-03	0.00012	0.02054	1.3E-06	0.02224	1.93E-03	0.000146	0.0253	7.07E-07	2.74E-02	0.0017	0.000112	0.048178	7.3E-07	0.049991
2731	490760.04	3859210.04	0.8407	1.48953	0.9635	1.06954	1.58E-03	0.00013	0.02092	1.2E-06	0.02264	1.94E-03	0.00016	0.025769	6.69E-07	2.79E-02	0.001707	0.000123	0.049072	6.91E-07	0.050902
2732	490810.04	3859210.04	0.84172	1.4931	0.9837	1.08649	1.58E-03	0.00013	0.02136	1.2E-06	0.02308	1.94E-03	0.000161	0.02631	6.8E-07	2.84E-02	0.001709	0.000123	0.0501	7.02E-07	0.051934
2733	490860.04	3859210.04	0.8418	1.5134	1.00399	1.09309	1.58E-03	0.00013	0.0218	1.2E-06	0.02352	1.94E-03	0.000163	0.026852	6.84E-07	2.90E-02	0.001709	0.000125	0.051134	7.06E-07	0.052969
2734	490360.04	3859260.04	0.90187	1.20645	0.88479	1.44874	1.69E-03	0.00011	0.01921	1.6E-06	0.02102	2.08E-03	0.00013	0.023664	9.06E-07	2.59E-02	0.001831	9.98E-05	0.045063	9.36E-07	0.046995
2735	490410.04	3859260.04	0.87094	1.23831	0.87585	1.40592	1.64E-03	0.00011	0.01902	1.6E-06	0.02077	2.01E-03	0.000133	0.023425	8.79E-07	2.56E-02	0.001768	0.000102	0.044608	9.08E-07	0.046479
2736	490460.04	3859260.04	0.85092	1.26411	0.84898	1.3553	1.60E-03	0.00011	0.01844	1.5E-06	0.02015	1.96E-03	0.000136	0.022707	8.48E-07	2.48E-02	0.001728	0.000105	0.043239	8.75E-07	0.045072
2737	490510.04	3859260.04	0.84367	1.284	0.81305	1.29969	1.59E-03	0.00011	0.01766	1.5E-06	0.01936	1.94E-03	0.000138	0.021746	8.13E-07	2.38E-02	0.001713	0.000106	0.041409	8.4E-07	0.043229
2738	490560.04	3859260.04	0.83963	1.3007	0.83443	1.2725	1.58E-03	0.00011	0.01812	1.4E-06	0.01981	1.93E-03	0.00014	0.022317	7.96E-07	2.44E-02	0.001705	0.000108	0.042498	8.22E-07	0.044311
2739	490610.04	3859260.04	0.83334	1.30947	0.85594	1.22436	1.57E-03	0.00011	0.01859	1.4E-06	0.02027	1.92E-03	0.000141	0.022893	7.66E-07	2.50E-02	0.001692	0.000108	0.043594	7.91E-07	0.045395
2740	490660.04	3859260.04	0.82694	1.30539	0.86652	1.20975	1.55E-03	0.00011	0.01882	1.4E-06	0.02049	1.90E-03	0.00014	0.023176	7.57E-07	2.52E-02	0.001679	0.000108	0.044132	7.81E-07	0.04592
2741	490710.04	3859260.04	0.8177	1.31784	0.89131	1.17675	1.54E-03	0.00012	0.01936	1.3E-06	0.02101	1.88E-03	0.000142	0.023839	7.36E-07	2.59E-02	0.00166	0.000109	0.045395	7.6E-07	0.047165

2742	490760.04	3859260.04	0.81025	1.31904	0.9019	1.11214	1.52E-03	0.00012	0.01959	1.2E-06	0.02123	1.87E-03	0.000142	0.024122	6.96E-07	2.61E-02	0.001645	0.000109	0.045934	7.18E-07	0.047689
2743	490810.04	3859260.04	0.80674	1.31255	0.91589	1.1203	1.52E-03	0.00012	0.01989	1.3E-06	0.02152	1.86E-03	0.000141	0.024496	7.01E-07	2.65E-02	0.001638	0.000109	0.046647	7.24E-07	0.048394
2744	490860.04	3859260.04	0.8081	1.34554	0.93185	1.13006	1.52E-03	0.00012	0.02024	1.3E-06	0.02187	1.86E-03	0.000145	0.024923	7.07E-07	2.69E-02	0.001641	0.000111	0.04746	7.3E-07	0.049212
2745	490360.04	3859310.04	0.8816	1.11406	0.91336	1.36825	1.66E-03	9.8E-05	0.01983	1.5E-06	0.02159	2.03E-03	0.00012	0.024428	8.56E-07	2.66E-02	0.00179	9.21E-05	0.046518	8.84E-07	0.048401
2746	490410.04	3859310.04	0.88641	1.14456	0.86838	1.40197	1.67E-03	0.0001	0.01886	1.6E-06	0.02063	2.04E-03	0.000123	0.023225	8.77E-07	2.54E-02	0.0018	9.47E-05	0.044227	9.06E-07	0.046122
2747	490460.04	3859310.04	0.85865	1.17619	0.85458	1.40627	1.61E-03	0.0001	0.01856	1.6E-06	0.02028	1.98E-03	0.000126	0.022856	8.8E-07	2.50E-02	0.001743	9.73E-05	0.043524	9.08E-07	0.045366
2748	490510.04	3859310.04	0.83118	1.20347	0.83486	1.36059	1.56E-03	0.00011	0.01813	1.5E-06	0.0198	1.91E-03	0.000129	0.022329	8.51E-07	2.44E-02	0.001688	9.95E-05	0.04252	8.79E-07	0.044308
2749	490560.04	3859310.04	0.81106	1.22756	0.81397	1.30926	1.52E-03	0.00011	0.01768	1.5E-06	0.01931	1.87E-03	0.000132	0.02177	8.19E-07	2.38E-02	0.001647	0.000102	0.041456	8.46E-07	0.043205
2750	490610.04	3859310.04	0.80617	1.24519	0.79822	1.25778	1.51E-03	0.00011	0.01733	1.4E-06	0.01896	1.86E-03	0.000134	0.021349	7.87E-07	2.33E-02	0.001637	0.000103	0.040654	8.12E-07	0.042394
2751	490660.04	3859310.04	0.80204	1.25792	0.81717	1.24238	1.51E-03	0.00011	0.01775	1.4E-06	0.01936	1.85E-03	0.000135	0.021856	7.77E-07	2.38E-02	0.001628	0.000104	0.041619	8.03E-07	0.043352
2752	490710.04	3859310.04	0.79808	1.26579	0.83901	1.198	1.50E-03	0.00011	0.01822	1.3E-06	0.01983	1.84E-03	0.000136	0.02244	7.49E-07	2.44E-02	0.00162	0.000105	0.042731	7.74E-07	0.044457
2753	490760.04	3859310.04	0.79195	1.26732	0.85219	1.16664	1.49E-03	0.00011	0.01851	1.3E-06	0.02011	1.82E-03	0.000136	0.022792	7.3E-07	2.48E-02	0.001608	0.000105	0.043403	7.54E-07	0.045116
2754	490810.04	3859310.04	0.78711	1.27676	0.86245	1.14352	1.48E-03	0.00011	0.01873	1.3E-06	0.02032	1.81E-03	0.000137	0.023067	7.15E-07	2.50E-02	0.001598	0.000106	0.043925	7.39E-07	0.04563
2755	490860.04	3859310.04	0.78141	1.27791	0.87494	1.10677	1.47E-03	0.00011	0.019	1.2E-06	0.02058	1.80E-03	0.000137	0.023401	6.92E-07	2.53E-02	0.001587	0.000106	0.044561	7.15E-07	0.046254
2756	490360.04	3859360.04	0.85051	1.11066	0.91126	1.36801	1.60E-03	9.7E-05	0.01979	1.5E-06	0.02149	1.96E-03	0.000119	0.024372	8.56E-07	2.65E-02	0.001727	9.19E-05	0.046411	8.84E-07	0.048231
2757	490410.04	3859360.04	0.85542	1.08967	0.89633	1.3032	1.61E-03	9.6E-05	0.01946	1.5E-06	0.02117	1.97E-03	0.000117	0.023973	8.15E-07	2.61E-02	0.001737	9.01E-05	0.045651	8.42E-07	0.047478
2758	490460.04	3859360.04	0.86297	1.09554	0.87657	1.33904	1.62E-03	9.6E-05	0.01904	1.5E-06	0.02075	1.99E-03	0.000118	0.023444	8.37E-07	2.56E-02	0.001752	9.06E-05	0.044644	8.65E-07	0.046488
2759	490510.04	3859360.04	0.84803	1.10888	0.82943	1.35468	1.59E-03	9.7E-05	0.01801	1.5E-06	0.0197	1.95E-03	0.000119	0.022184	8.47E-07	2.43E-02	0.001722	9.17E-05	0.042243	8.75E-07	0.044058
2760	490560.04	3859360.04	0.82116	1.14081	0.82283	1.36259	1.54E-03	0.0001	0.01787	1.5E-06	0.01951	1.89E-03	0.000123	0.022007	8.52E-07	2.40E-02	0.001667	9.43E-05	0.041907	8.8E-07	0.04367
2761	490610.04	3859360.04	0.79236	1.16917	0.81239	1.31657	1.49E-03	0.0001	0.01764	1.5E-06	0.01923	1.82E-03	0.000126	0.021728	8.23E-07	2.37E-02	0.001609	9.67E-05	0.041375	8.5E-07	0.043082
2762	490660.04	3859360.04	0.77895	1.19193	0.77993	1.26491	1.46E-03	0.0001	0.01694	1.4E-06	0.01851	1.79E-03	0.000128	0.02086	7.91E-07	2.28E-02	0.001582	9.86E-05	0.039722	8.17E-07	0.041403
2763	490710.04	3859360.04	0.77516	1.21114	0.78799	1.20667	1.46E-03	0.00011	0.01711	1.3E-06	0.01868	1.79E-03	0.00013	0.021075	7.55E-07	2.30E-02	0.001574	0.0001	0.040133	7.79E-07	0.041808
2764	490760.04	3859360.04	0.77134	1.22303	0.80988	1.18289	1.45E-03	0.00011	0.01759	1.3E-06	0.01915	1.78E-03	0.000131	0.021661	7.4E-07	2.36E-02	0.001566	0.000101	0.041248	7.64E-07	0.042916
2765	490810.04	3859360.04	0.76688	1.22399	0.82061	1.17779	1.44E-03	0.00011	0.01782	1.3E-06	0.01937	1.77E-03	0.000132	0.021948	7.37E-07	2.38E-02	0.001557	0.000101	0.041794	7.61E-07	0.043453
2766	490860.04	3859360.04	0.76277	1.22873	0.83202	1.15456	1.43E-03	0.00011	0.01807	1.3E-06	0.01961	1.76E-03	0.000132	0.022253	7.22E-07	2.41E-02	0.001549	0.000102	0.042375	7.46E-07	0.044026
2767	490360.04	3859410.04	0.84975	1.12342	0.894	1.4038	1.60E-03	9.9E-05	0.01941	1.6E-06	0.02111	1.96E-03	0.000121	0.023911	8.78E-07	2.60E-02	0.001725	9.29E-05	0.045532	9.07E-07	0.047351
2768	490410.04	3859410.04	0.82737	1.081	0.88172	1.35936	1.55E-03	9.5E-05	0.01915	1.5E-06	0.0208	1.91E-03	0.000116	0.023582	8.5E-07	2.56E-02	0.00168	8.94E-05	0.044907	8.78E-07	0.046677
2769	490460.04	3859410.04	0.82808	1.07856	0.87693	1.30384	1.56E-03	9.5E-05	0.01904	1.5E-06	0.0207	1.91E-03	0.000116	0.023454	8.15E-07	2.55E-02	0.001681	8.92E-05	0.044663	8.42E-07	0.046434
2770	490510.04	3859410.04	0.83489	1.04145	0.86704	1.26303	1.57E-03	9.1E-05	0.01883	1.4E-06	0.02049	1.92E-03	0.000112	0.02319	7.9E-07	2.52E-02	0.001695	8.61E-05	0.044159	8.16E-07	0.045941
2771	490560.04	3859410.04	0.83275	1.06272	0.82328	1.31165	1.56E-03	9.3E-05	0.01788	1.5E-06	0.01954	1.92E-03	0.000114	0.022019	8.2E-07	2.41E-02	0.001691	8.79E-05	0.04193	8.47E-07	0.04371
2772	490610.04	3859410.04	0.81003	1.07802	0.79937	1.30961	1.52E-03	9.5E-05	0.01736	1.5E-06	0.01898	1.87E-03	0.000116	0.02138	8.19E-07	2.34E-02	0.001645	8.92E-05	0.040712	8.46E-07	0.042447
2773	490660.04	3859410.04	0.78279	1.10969	0.79389	1.31999	1.47E-03	9.7E-05	0.01724	1.5E-06	0.01881	1.80E-03	0.000119	0.021233	8.26E-07	2.32E-02	0.001589	9.18E-05	0.040433	8.53E-07	0.042115
2774	490710.04	3859410.04	0.75526	1.1366	0.77968	1.27299	1.42E-03	1E-04	0.01693	1.4E-06	0.01845	1.74E-03	0.000122	0.020853	7.96E-07	2.27E-02	0.001533	9.4E-05	0.03971	8.22E-07	0.041338
2775	490760.04	3859410.04	0.75265	1.1605	0.75673	1.21741	1.41E-03	0.0001	0.01643	1.4E-06	0.01795	1.73E-03	0.000125	0.020239	7.61E-07	2.21E-02	0.001528	9.6E-05	0.038541	7.86E-07	0.040166
2776	490810.04	3859410.04	0.74764	1.17467	0.77531	1.17596	1.40E-03	0.0001	0.01684	1.3E-06	0.01835	1.72E-03	0.000126	0.020736	7.35E-07	2.26E-02	0.001518	9.71E-05	0.039487	7.6E-07	0.041103
2777	490860.04	3859410.04	0.74229	1.18144	0.78947	1.17992	1.39E-03	0.0001	0.01714	1.3E-06	0.01864	1.71E-03	0.000127	0.021115	7.38E-07	2.30E-02	0.001507	9.77E-05	0.040208	7.62E-07	0.041814
2778	490360.04	3859460.04	0.84578	1.09777	0.86443	1.39193	1.59E-03	9.6E-05	0.01877	1.6E-06	0.02046	1.95E-03	0.000118	0.02312	8.71E-07	2.52E-02	0.001717	9.08E-05	0.044026	8.99E-07	0.045835
2779	490410.04	3859460.04	0.84282	1.11329	0.88082	1.35452	1.58E-03	9.8E-05	0.01913	1.5E-06	0.02081	1.94E-03	0.00012	0.023558	8.47E-07	2.56E-02	0.001711	9.21E-05	0.044861	8.75E-07	0.046665
2780	490460.04	3859460.04	0.81873	1.06539	0.85987	1.34732	1.54E-03	9.3E-05	0.01867	1.5E-06	0.02031	1.89E-03	0.000115	0.022998	8.43E-07	2.50E-02	0.001662	8.81E-05	0.043794	8.7E-07	0.045545
2781	490510.04	3859460.04	0.79943	1.05611	0.86049	1.30049	1.50E-03	9.3E-05	0.01869	1.5E-06	0.02028	1.84E-03	0.000114	0.023014	8.13E-07	2.50E-02	0.001623	8.73E-05	0.043825	8.4E-07	0.045537
2782	490560.04	3859460.04	0.80709	1.03443	0.85101	1.24373	1.52E-03	9.1E-05	0.01848	1.4E-06	0.02009	1.86E-03	0.000111	0.022761	7.78E-07	2.47E-02	0.001639	8.55E-05	0.043342	8.03E-07	0.045067
2783	490610.04	3859460.04	0.81475	1.01403	0.83303	1.2385	1.53E-03	8.9E-05	0.01809	1.4E-06	0.01971	1.88E-03	0.000109	0.02228	7.75E-07	2.43E-02	0.001654	8.39E-05	0.042427	8E-07	0.044166
2784	490660.04	3859460.04	0.7943	1.03594	0.78023	1.28018	1.49E-03	9.1E-05	0.01694	1.4E-06	0.01853	1.83E-03	0.000111	0.020868	8.01E-07	2.28E-02	0.001613	8.57E-05	0.039738	8.27E-07	0.041437
2785	490710.04	3859460.04	0.77213	1.05085	0.77183	1.26611	1.45E-03	9.2E-05	0.01676	1.4E-06	0.01831	1.78E-03	0.000113	0.020643	7.92E-07	2.25E-02	0.001568	8.69E-05	0.03931	8.18E-07	0.040965
2786	490760.04	3859460.04	0.74798	1.07959	0.76632	1.27973	1.41E-03	9.5E-05	0.01664	1.4E-06	0.01814	1.72E-03	0.000116	0.020496	8E-07	2.23E-02	0.001519	8.93E-05	0.039029	8.27E-07	0.040638
2787	490810.04	3859460.04	0.73034	1.10437	0.74765	1.23301	1.37E-03	9.7E-05	0.01624	1.4E-06	0.01771	1.68E-03	0.000119	0.019996	7.71E-07	2.18E-02	0.001483	9.13E-05	0.038078	7.96E-07	0.039653
2788	490860.04	3859460.04	0.7251	1.12209	0.74296	1.18287	1.36E-03	9.8E-05	0.01613	1.3E-06	0.0176	1.67E-03	0.000121	0.019871	7.4E-07	2.17E-02	0.001472	9.28E-05	0.037839	7.64E-07	0.039405
2789	490360.04	3859510.04	0.83183	1.09611	0.81061	1.33882	1.56E-03	9.6E-05	0.0176	1.5E-06	0.01926	1.92E-03	0.000118	0.02168	8.37E-07	2.37E-02	0.001689	9.06E-05	0.041285	8.65E-07	0.043065
2790	490410.04	3859510.04	0.82154	1.08034	0.83444	1.31214	1.54E-03	9.5E-05	0.01812	1.5E-06	0.01976	1.89E-03	0.000116	0.022318	8.21E-07	2.43E-02	0.001668	8.93E-05	0.042499	8.48E-07	0.044257
2791	490460.04	3859510.04	0.81617	1.08768	0.85259	1.33814	1.53E-03	9.5E-05	0.01851	1.5E-06	0.02015	1.88E-03	0.000117	0.022803	8.37E-07	2.48E-02	0.001657	8.99E-05	0.043423	8.64E-07	0.045171
2792	490510.04	3859510.04	0.81182	1.06795	0.84438	1.32913	1.53E-03	9.4E-05	0.01834	1.5E-06	0.01996	1.87E-03	0.000115	0.022584	8.31E-07	2.46E-02	0.001648	8.83E-05	0.043005	8.59E-07	0.044742
2793	490560.04	3859510.04	0.78945	1.02929	0.8379	1.29133	1.48E-03	9E-05	0.0182	1.4E-06	0.01977	1.82E-03	0.000111	0.02241	8.08E-07	2.43E-02	0.001603	8.51E-05	0.042675	8.34E-07	0.044364
2794	490610.04	3859510.04	0.77768	1.02626	0.83451	1.24366	1.46E-03	9E-05	0.01812	1.4E-06	0.01968	1.79E-03	0.00011	0.02232	7.78E-07	2.42E-02	0.001579	8.49E-05	0.042502	8.03E-07	0.044167
2795	490660.04	3859510.04	0.78627	0.99365	0.82618	1.18646	1.48E-03	8.7E-05	0.01794	1.3E-06	0.01951	1.81E-03	0.000107	0.022097	7.42E-07	2.40E-02	0.001596	8.22E-05	0.042078	7.66E-07	0.043757
2796	490710.04	3859510.04	0.77857	1.00061	0.78451	1.21404	1.46E-03	8.8E-05	0.01704	1.4E-06	0.01859	1.79E-03	0.000108	0.020982	7.59E-07	2.29E-02	0.001581	8.27E-05	0.039956	7.84E-07	0.04162
2797	490760.04	3859510.04	0.75914	1.00435	0.75289	1.25204	1.43E-03	8.8E-05	0.01635	1.4E-06	0.01787	1.75E-03	0.000108	0.020137	7.83E-07	2.20E-02	0.001541	8.31E-05	0.038345	8.09E-07	0.03997
2798	490810.04	3859510.04	0.73825	1.02362	0.74506	1.23623	1.39E-03	9E-05	0.01618	1.4E-06	0.01766	1.70E-03	0.00011	0.019927	7.73E-07	2.17E-02	0.001499	8.47E-05	0.037946	7.99E-07	0.039531
2799	490860.04	3859510.04	0.71548	1.04961	0.73958	1.23964	1.34E-03	9.2E-05	0.01606	1.4E-06	0.0175	1.65E-03	0.000113	0.019781	7.75E-07	2.15E-02	0.001453	8.68E-05	0.037667	8.01E-07	0.039208
2800	490360.04	3859560.04	0.82577	1.07307	0.76744	1.33519	1.55E-03	9.4E-05	0.01667	1.5E-06	0.01831	1.90E-03	0.000115	0.020526	8.35E-07	2.25E-02	0.001677	8.87E-05	0.039086	8.62E-07	0.040852
2801	490410.04	3859560.04	0.81185	1.07155	0.7829	1.32191	1.53E-03	9.4E-05	0.017	1.5E-06	0.01862	1.87E-03	0.000115	0.020939	8.27E-07	2.29E-02	0.001648	8.86E-05	0.039874	8.54E-07	0.041611
2802	490460.04	3859560.04	0.79645	1.06478	0.80482	1.2927	1.50E-03	9.3E-05	0.01748	1.4E-06	0.01907	1.83E-03	0.000114	0.021525	8.09E-07	2.35E-02	0.001617	8.81E-05	0.04099	8.35E-07	0.042696

2803	490510.04	3859560.04	0.79703	1.04374	0.82544	1.3224	1.50E-03	9.2E-05	0.01793	1.5E-06	0.01952	1.84E-03	0.000112	0.022077	8.27E-07	2.40E-02	0.001618	8.63E-05	0.04204	8.54E-07	0.043746
2804	490560.04	3859560.04	0.79256	1.05392	0.8316	1.28315	1.49E-03	9.2E-05	0.01806	1.4E-06	0.01964	1.83E-03	0.000113	0.022242	8.03E-07	2.42E-02	0.001609	8.72E-05	0.042354	8.29E-07	0.044051
2805	490610.04	3859560.04	0.78294	1.00841	0.81761	1.27848	1.47E-03	8.8E-05	0.01776	1.4E-06	0.01932	1.80E-03	0.000108	0.021868	8E-07	2.38E-02	0.00159	8.34E-05	0.041641	8.26E-07	0.043315
2806	490660.04	3859560.04	0.76329	1.00748	0.81659	1.23843	1.43E-03	8.8E-05	0.01773	1.4E-06	0.01926	1.76E-03	0.000108	0.02184	7.75E-07	2.37E-02	0.00155	8.33E-05	0.041589	8E-07	0.043223
2807	490710.04	3859560.04	0.75794	0.98683	0.81129	1.18885	1.42E-03	8.7E-05	0.01762	1.3E-06	0.01913	1.75E-03	0.000106	0.021698	7.44E-07	2.36E-02	0.001539	8.16E-05	0.041319	7.68E-07	0.042941
2808	490760.04	3859560.04	0.76098	0.95491	0.79422	1.14718	1.43E-03	8.4E-05	0.01725	1.3E-06	0.01876	1.75E-03	0.000103	0.021242	7.17E-07	2.31E-02	0.001545	7.9E-05	0.04045	7.41E-07	0.042075
2809	490810.04	3859560.04	0.74417	0.9866	0.73797	1.18977	1.40E-03	8.7E-05	0.01603	1.3E-06	0.01751	1.71E-03	0.000106	0.019738	7.44E-07	2.16E-02	0.001511	8.16E-05	0.037585	7.69E-07	0.039179
2810	490860.04	3859560.04	0.72497	0.9766	0.7275	1.19137	1.36E-03	8.6E-05	0.0158	1.3E-06	0.01725	1.67E-03	0.000105	0.019457	7.45E-07	2.12E-02	0.001472	8.08E-05	0.037052	7.7E-07	0.038605
2811	490187.25	3859422.08	0.89874	1.15362	0.83389	1.43188	1.69E-03	0.0001	0.01811	1.6E-06	0.0199	2.07E-03	0.000124	0.022303	8.96E-07	2.45E-02	0.001825	9.54E-05	0.04247	9.25E-07	0.044392
2812	490237.25	3859422.08	0.88519	1.14777	0.84995	1.40293	1.66E-03	0.0001	0.01846	1.6E-06	0.02022	2.04E-03	0.000123	0.022732	8.77E-07	2.49E-02	0.001797	9.49E-05	0.043288	9.06E-07	0.045182
2813	490287.25	3859422.08	0.87228	1.12862	0.87363	1.4321	1.64E-03	9.9E-05	0.01897	1.6E-06	0.02071	2.01E-03	0.000121	0.023366	8.96E-07	2.55E-02	0.001771	9.33E-05	0.044494	9.25E-07	0.04636
2814	490337.25	3859422.08	0.86594	1.14112	0.89299	1.39676	1.63E-03	0.0001	0.01939	1.6E-06	0.02112	1.99E-03	0.000123	0.023884	8.74E-07	2.60E-02	0.001758	9.44E-05	0.04548	9.02E-07	0.047334
2815	490187.25	3859472.08	0.90156	1.13992	0.8157	1.43287	1.69E-03	0.0001	0.01771	1.6E-06	0.01951	2.08E-03	0.000123	0.021816	8.96E-07	2.40E-02	0.001831	9.43E-05	0.041544	9.26E-07	0.04347
2816	490237.25	3859472.08	0.87945	1.12721	0.80488	1.4001	1.65E-03	9.9E-05	0.01748	1.6E-06	0.01923	2.03E-03	0.000121	0.021527	8.76E-07	2.37E-02	0.001786	9.32E-05	0.040993	9.04E-07	0.042873
2817	490287.25	3859472.08	0.86299	1.12302	0.82223	1.3805	1.62E-03	9.9E-05	0.01786	1.5E-06	0.01958	1.99E-03	0.000121	0.021991	8.63E-07	2.41E-02	0.001752	9.29E-05	0.041877	8.92E-07	0.043723
2818	490337.25	3859472.08	0.84883	1.1184	0.84245	1.35056	1.60E-03	9.8E-05	0.01829	1.5E-06	0.01999	1.95E-03	0.00012	0.022532	8.45E-07	2.46E-02	0.001723	9.25E-05	0.042906	8.72E-07	0.044723
2819	490297.07	3859500.42	0.85072	1.10882	0.80008	1.37207	1.60E-03	9.7E-05	0.01737	1.5E-06	0.01907	1.96E-03	0.000119	0.021399	8.58E-07	2.35E-02	0.001727	9.17E-05	0.040749	8.86E-07	0.042568
2820	490327.07	3859500.42	0.84655	1.1043	0.80841	1.36127	1.59E-03	9.7E-05	0.01756	1.5E-06	0.01924	1.95E-03	0.000119	0.021621	8.51E-07	2.37E-02	0.001719	9.13E-05	0.041173	8.79E-07	0.042984
2821	490297.07	3859530.42	0.85484	1.10134	0.79056	1.36221	1.61E-03	9.7E-05	0.01717	1.5E-06	0.01887	1.97E-03	0.000118	0.021144	8.52E-07	2.32E-02	0.001736	9.11E-05	0.040264	8.8E-07	0.042091
2822	490327.07	3859530.42	0.83862	1.08978	0.78235	1.35437	1.58E-03	9.6E-05	0.01699	1.5E-06	0.01866	1.93E-03	0.000117	0.020924	8.47E-07	2.30E-02	0.001703	9.01E-05	0.039846	8.75E-07	0.041639
2823	490319.73	3859055.34	1.05441	1.45629	0.94028	1.5405	1.98E-03	0.00013	0.02042	1.7E-06	0.02253	2.43E-03	0.000157	0.025148	9.63E-07	2.77E-02	0.002141	0.00012	0.047889	9.95E-07	0.050151
2824	490319.73	3859105.34	1.00637	1.41915	0.89828	1.49464	1.89E-03	0.00012	0.01951	1.7E-06	0.02152	2.32E-03	0.000153	0.024025	9.35E-07	2.65E-02	0.002043	0.000117	0.04575	9.65E-07	0.047912
2825	490069.73	3859155.34	1.01559	1.21902	0.99921	1.51143	1.91E-03	0.00011	0.0217	1.7E-06	0.02372	2.34E-03	0.000131	0.026725	9.45E-07	2.92E-02	0.002062	0.000101	0.05089	9.76E-07	0.053054
2826	490119.73	3859155.34	1.00697	1.22793	0.98271	1.51473	1.89E-03	0.00011	0.02134	1.7E-06	0.02334	2.32E-03	0.000132	0.026283	9.47E-07	2.87E-02	0.002045	0.000102	0.05005	9.78E-07	0.052197
2827	490269.73	3859155.34	0.96214	1.32981	0.9026	1.45788	1.81E-03	0.00012	0.0196	1.6E-06	0.02153	2.22E-03	0.000143	0.024141	9.12E-07	2.65E-02	0.001954	0.00011	0.04597	9.42E-07	0.048034
2828	490319.73	3859155.34	0.95501	1.35744	0.8688	1.43744	1.79E-03	0.00012	0.01887	1.6E-06	0.02078	2.20E-03	0.000146	0.023237	8.99E-07	2.56E-02	0.001939	0.000112	0.044248	9.29E-07	0.046301
2829	490069.73	3859205.34	0.99501	1.24142	0.99151	1.51981	1.87E-03	0.00011	0.02153	1.7E-06	0.02351	2.29E-03	0.000133	0.026519	9.51E-07	2.89E-02	0.00202	0.000103	0.050498	9.82E-07	0.052622
2830	490119.73	3859205.34	0.99375	1.18521	0.97127	1.4692	1.87E-03	0.0001	0.02109	1.6E-06	0.02307	2.29E-03	0.000127	0.025977	9.19E-07	2.84E-02	0.002018	9.8E-05	0.049467	9.49E-07	0.051584
2831	490169.73	3859205.34	0.97622	1.17115	0.96149	1.47594	1.83E-03	0.0001	0.02088	1.6E-06	0.02282	2.25E-03	0.000126	0.025716	9.23E-07	2.81E-02	0.001982	9.69E-05	0.048969	9.53E-07	0.051049
2832	490219.73	3859205.34	0.94247	1.20481	0.9481	1.47688	1.77E-03	0.00011	0.02059	1.7E-06	0.02247	2.17E-03	0.00013	0.025358	9.24E-07	2.77E-02	0.001914	9.96E-05	0.048287	9.54E-07	0.050301
2833	490269.73	3859205.34	0.9366	1.24594	0.91276	1.47172	1.76E-03	0.00011	0.01982	1.6E-06	0.02169	2.16E-03	0.000134	0.024412	9.2E-07	2.67E-02	0.001902	0.000103	0.046487	9.51E-07	0.048493
2834	490319.73	3859205.34	0.90803	1.27671	0.89956	1.43172	1.71E-03	0.00011	0.01953	1.6E-06	0.02135	2.09E-03	0.000137	0.024059	8.95E-07	2.63E-02	0.001844	0.000106	0.045815	9.25E-07	0.047765
2835	490069.73	3859255.34	0.9748	1.25377	0.95979	1.56412	1.83E-03	0.00011	0.02084	1.7E-06	0.02279	2.24E-03	0.000135	0.02567	9.78E-07	2.81E-02	0.001979	0.000104	0.048883	1.01E-06	0.050967
2836	490119.73	3859255.34	0.97445	1.22159	0.97394	1.50525	1.83E-03	0.00011	0.02115	1.7E-06	0.02309	2.24E-03	0.000131	0.026049	9.41E-07	2.84E-02	0.001979	0.000101	0.049603	9.72E-07	0.051684
2837	490169.73	3859255.34	0.96709	1.15833	0.94986	1.46539	1.82E-03	0.0001	0.02063	1.6E-06	0.02255	2.23E-03	0.000125	0.025405	9.17E-07	2.78E-02	0.001964	9.58E-05	0.048377	9.47E-07	0.050437
2838	490219.73	3859255.34	0.94143	1.1594	0.94629	1.40987	1.77E-03	0.0001	0.02055	1.6E-06	0.02242	2.17E-03	0.000125	0.025309	8.82E-07	2.76E-02	0.001911	9.59E-05	0.048195	9.11E-07	0.050203
2839	490269.73	3859255.34	0.9122	1.14973	0.93707	1.43495	1.71E-03	0.0001	0.02035	1.6E-06	0.02217	2.10E-03	0.000124	0.025063	8.97E-07	2.73E-02	0.001852	9.51E-05	0.047726	9.27E-07	0.049674
2840	490319.73	3859255.34	0.91002	1.18268	0.89936	1.42947	1.71E-03	0.0001	0.01953	1.6E-06	0.02135	2.10E-03	0.000127	0.024054	8.94E-07	2.63E-02	0.001848	9.78E-05	0.045805	9.23E-07	0.047751
2841	490069.73	3859305.34	0.98086	1.22914	0.90671	1.50341	1.84E-03	0.00011	0.01969	1.7E-06	0.02164	2.26E-03	0.000132	0.024251	9.4E-07	2.66E-02	0.001992	0.000102	0.046179	9.71E-07	0.048273
2842	490119.73	3859305.34	0.95429	1.20657	0.92458	1.47721	1.79E-03	0.00011	0.02008	1.7E-06	0.02198	2.20E-03	0.00013	0.024729	9.24E-07	2.71E-02	0.001938	9.98E-05	0.047089	9.54E-07	0.049128
2843	490169.73	3859305.34	0.93418	1.20777	0.94362	1.47186	1.76E-03	0.00011	0.02049	1.6E-06	0.02235	2.15E-03	0.00013	0.025238	9.21E-07	2.75E-02	0.001897	9.99E-05	0.048059	9.51E-07	0.050057
2844	490219.73	3859305.34	0.92106	1.17301	0.93666	1.45714	1.73E-03	0.0001	0.02034	1.6E-06	0.02218	2.12E-03	0.000126	0.025052	9.11E-07	2.73E-02	0.00187	9.7E-05	0.047705	9.41E-07	0.049673
2845	490269.73	3859305.34	0.89891	1.13605	0.93082	1.41043	1.69E-03	1E-04	0.02021	1.6E-06	0.022	2.07E-03	0.000122	0.024895	8.82E-07	2.71E-02	0.001825	9.39E-05	0.047407	9.11E-07	0.049327
2846	490319.73	3859305.34	0.88038	1.12452	0.92205	1.34817	1.65E-03	9.9E-05	0.02002	1.5E-06	0.02178	2.03E-03	0.000121	0.024661	8.43E-07	2.68E-02	0.001788	9.3E-05	0.046961	8.71E-07	0.048842
2847	490069.73	3859355.34	0.95284	1.2232	0.86338	1.50188	1.79E-03	0.00011	0.01875	1.7E-06	0.02065	2.19E-03	0.000131	0.023092	9.39E-07	2.54E-02	0.001935	0.000101	0.043972	9.7E-07	0.046009
2848	490119.73	3859355.34	0.93451	1.18996	0.87299	1.47408	1.76E-03	0.0001	0.01896	1.6E-06	0.02082	2.15E-03	0.000128	0.023349	9.22E-07	2.56E-02	0.001897	9.84E-05	0.044462	9.52E-07	0.046459
2849	490169.73	3859355.34	0.9277	1.189	0.89002	1.43635	1.74E-03	0.0001	0.01933	1.6E-06	0.02118	2.14E-03	0.000128	0.023804	8.98E-07	2.61E-02	0.001884	9.83E-05	0.045329	9.28E-07	0.047312
2850	490219.73	3859355.34	0.90622	1.18469	0.91405	1.45763	1.70E-03	0.0001	0.01985	1.6E-06	0.02166	2.09E-03	0.000127	0.024447	9.12E-07	2.67E-02	0.00184	9.8E-05	0.046553	9.42E-07	0.048492
2851	490269.73	3859355.34	0.87736	1.16296	0.9251	1.44707	1.65E-03	0.0001	0.02009	1.6E-06	0.02184	2.02E-03	0.000125	0.024742	9.05E-07	2.69E-02	0.001781	9.62E-05	0.047116	9.35E-07	0.048994
2852	490319.73	3859355.34	0.8555	1.11006	0.90718	1.40616	1.61E-03	9.7E-05	0.0197	1.6E-06	0.02141	1.97E-03	0.000119	0.024263	8.79E-07	2.64E-02	0.001737	9.18E-05	0.046203	9.08E-07	0.048033
2853	490069.73	3859405.34	0.95657	1.18652	0.83744	1.50061	1.80E-03	0.0001	0.01819	1.7E-06	0.02009	2.20E-03	0.000128	0.022398	9.39E-07	2.47E-02	0.001942	9.81E-05	0.042651	9.69E-07	0.044693
2854	490119.73	3859405.34	0.92947	1.19181	0.84956	1.46525	1.75E-03	0.0001	0.01845	1.6E-06	0.0203	2.14E-03	0.000128	0.022722	9.16E-07	2.50E-02	0.001887	9.86E-05	0.043269	9.47E-07	0.045255
2855	490169.73	3859405.34	0.9086	1.16299	0.84336	1.44292	1.71E-03	0.0001	0.01831	1.6E-06	0.02013	2.09E-03	0.000125	0.022556	9.02E-07	2.48E-02	0.001845	9.62E-05	0.042953	9.32E-07	0.044895
2856	490219.73	3859405.34	0.89514	1.15811	0.85883	1.41245	1.68E-03	0.0001	0.01865	1.6E-06	0.02044	2.06E-03	0.000124	0.02297	8.83E-07	2.52E-02	0.001817	9.58E-05	0.043741	9.12E-07	0.045655
2857	490269.73	3859405.34	0.87653	1.13476	0.88411	1.44149	1.65E-03	1E-04	0.0192	1.6E-06	0.02095	2.02E-03	0.000122	0.023646	9.02E-07	2.58E-02	0.00178	9.38E-05	0.045028	9.31E-07	0.046903
2858	490319.73	3859405.34	0.86877	1.15015	0.90295	1.40891	1.63E-03	0.0001	0.01961	1.6E-06	0.02134	2.00E-03	0.000124	0.02415	8.81E-07	2.63E-02	0.001764	9.51E-05	0.045988	9.1E-07	0.047848
2859	490161.89	3859541.83	0.92295	1.07297	0.76595	1.34207	1.73E-03	9.4E-05	0.01663	1.5E-06	0.01846	2.13E-03	0.000115	0.020486	8.39E-07	2.27E-02	0.001874	8.87E-05	0.03901	8.67E-07	0.040974
2860	490171.89	3859541.83	0.91615	1.09476	0.75709	1.34667	1.72E-03	9.6E-05	0.01644	1.5E-06	0.01826	2.11E-03	0.000118	0.020249	8.42E-07	2.25E-02	0.00186	9.05E-05	0.038559	8.7E-07	0.040511
2861	490161.89	3859551.83	0.92128	1.05163	0.77359	1.33025	1.73E-03	9.2E-05	0.0168	1.5E-06	0.01862	2.12E-03	0.000113	0.02069	8.32E-07	2.29E-02	0.001871	8.7E-05	0.039399	8.59E-07	0.041358
2862	490171.89	3859551.83	0.91858	1.05816	0.76494	1.33275	1.73E-03	9.3E-05	0.01661	1.5E-06	0.01843	2.12E-03	0.000114	0.020459	8.34E-07	2.27E-02	0.001865	8.75E-05	0.038959	8.61E-07	0.040912
2863	489799.72	3859348.21	1.11684	1.33286	0.95954	1.655	2.10E-03	0.00012	0.02084	1.8E-06	0.02305	2.57E-03	0.000143	0.025664	1.04E-06	2.84E-02	0.002268	0.00011	0.04887	1.07E-06	0.051249

2864	489819.72	3859348.21	1.11073	1.29293	0.9356	1.61689	2.09E-03	0.00011	0.02032	1.8E-06	0.02252	2.56E-03	0.000139	0.025023	1.01E-06	2.77E-02	0.002255	0.000107	0.047651	1.04E-06	0.050014
2865	489799.72	3859368.21	1.10294	1.34426	0.97692	1.6841	2.07E-03	0.00012	0.02121	1.9E-06	0.02341	2.54E-03	0.000145	0.026128	1.05E-06	2.88E-02	0.002239	0.000111	0.049755	1.09E-06	0.052107
2866	489819.72	3859368.21	1.09598	1.32935	0.95558	1.6431	2.06E-03	0.00012	0.02075	1.8E-06	0.02293	2.52E-03	0.000143	0.025558	1.03E-06	2.82E-02	0.002225	0.00011	0.048668	1.06E-06	0.051004
2867	489775.41	3859329.72	1.13611	1.34692	0.96919	1.67865	2.13E-03	0.00012	0.02105	1.9E-06	0.0233	2.62E-03	0.000145	0.025922	1.05E-06	2.87E-02	0.002307	0.000111	0.049361	1.08E-06	0.051781
2868	489795.41	3859329.72	1.12286	1.30859	0.94524	1.64051	2.11E-03	0.00011	0.02053	1.8E-06	0.02275	2.59E-03	0.000141	0.025281	1.03E-06	2.80E-02	0.00228	0.000108	0.048142	1.06E-06	0.050531
2869	489775.41	3859349.72	1.12159	1.35816	0.98743	1.70791	2.11E-03	0.00012	0.02144	1.9E-06	0.02367	2.58E-03	0.000146	0.026409	1.07E-06	2.91E-02	0.002277	0.000112	0.05029	1.1E-06	0.052681
2870	489795.41	3859349.72	1.11594	1.34469	0.96592	1.66616	2.10E-03	0.00012	0.02098	1.9E-06	0.02319	2.57E-03	0.000145	0.025834	1.04E-06	2.85E-02	0.002266	0.000111	0.049195	1.08E-06	0.051573
2871	489595.05	3859219.43	1.27116	1.49121	1.06326	1.86584	2.39E-03	0.00013	0.02309	2.1E-06	0.02561	2.93E-03	0.00016	0.028438	1.17E-06	3.15E-02	0.002581	0.000123	0.054152	1.21E-06	0.056858
2872	489615.05	3859219.43	1.25371	1.47575	1.05276	1.86813	2.36E-03	0.00013	0.02286	2.1E-06	0.02535	2.89E-03	0.000159	0.028157	1.17E-06	3.12E-02	0.002546	0.000122	0.053618	1.21E-06	0.056286
2873	489595.05	3859239.43	1.25773	1.49218	1.0853	1.86554	2.36E-03	0.00013	0.02357	2.1E-06	0.02606	2.90E-03	0.00016	0.029027	1.17E-06	3.21E-02	0.002554	0.000123	0.055275	1.21E-06	0.057953
2874	489615.05	3859239.43	1.25177	1.4796	1.04928	1.84149	2.35E-03	0.00013	0.02279	2.1E-06	0.02527	2.88E-03	0.000159	0.028064	1.15E-06	3.11E-02	0.002542	0.000122	0.05344	1.19E-06	0.056106
2875	489372.4	3859092.58	1.49359	1.70411	1.15608	2.1754	2.81E-03	0.00015	0.02511	2.4E-06	0.02806	3.44E-03	0.000183	0.03092	1.36E-06	3.45E-02	0.003033	0.000141	0.05888	1.41E-06	0.062055
2876	489422.4	3859092.58	1.43022	1.64238	1.16362	2.10156	2.69E-03	0.00014	0.02527	2.3E-06	0.0281	3.29E-03	0.000177	0.031122	1.31E-06	3.46E-02	0.002904	0.000136	0.059264	1.36E-06	0.062305
2877	489372.4	3859142.58	1.46551	1.67908	1.12964	2.19578	2.75E-03	0.00015	0.02453	2.5E-06	0.02744	3.37E-03	0.000181	0.030213	1.37E-06	3.38E-02	0.002976	0.000139	0.057533	1.42E-06	0.060649
2878	489422.4	3859142.58	1.42598	1.65045	1.12219	2.09572	2.68E-03	0.00014	0.02437	2.3E-06	0.0272	3.28E-03	0.000177	0.030014	1.31E-06	3.35E-02	0.002895	0.000136	0.057154	1.35E-06	0.060187
2879	488870.84	3858666.64	2.71158	2.25771	1.51504	3.18561	5.10E-03	0.0002	0.0329	3.6E-06	0.0382	6.24E-03	0.000243	0.040521	1.99E-06	4.70E-02	0.005506	0.000187	0.077162	2.06E-06	0.082856
2880	488900.84	3858666.64	2.58472	2.15805	1.46589	2.99899	4.86E-03	0.00019	0.03183	3.4E-06	0.03688	5.95E-03	0.000232	0.039206	1.88E-06	4.54E-02	0.005248	0.000178	0.074659	1.94E-06	0.080087
2881	488870.84	3858696.64	2.8978	2.299	1.4418	3.35586	5.45E-03	0.0002	0.03131	3.7E-06	0.03696	6.67E-03	0.000247	0.038562	2.1E-06	4.55E-02	0.005884	0.00019	0.073432	2.17E-06	0.079508
2882	488900.84	3858696.64	2.73348	2.23362	1.48563	3.12979	5.14E-03	0.0002	0.03226	3.5E-06	0.0376	6.29E-03	0.00024	0.039734	1.96E-06	4.63E-02	0.00555	0.000185	0.075664	2.02E-06	0.081401
2883	488889.67	3858683.97	2.71037	2.2395	1.502	3.12902	5.09E-03	0.0002	0.03262	3.5E-06	0.03791	6.24E-03	0.000241	0.040172	1.96E-06	4.67E-02	0.005503	0.000185	0.076498	2.02E-06	0.082188
2884	488919.67	3858683.97	2.59368	2.1448	1.45789	2.97262	4.87E-03	0.00019	0.03166	3.3E-06	0.03673	5.97E-03	0.000231	0.038992	1.86E-06	4.52E-02	0.005266	0.000177	0.074251	1.92E-06	0.079697
2885	488889.67	3858713.97	2.89938	2.27028	1.42752	3.29855	5.45E-03	0.0002	0.031	3.7E-06	0.03665	6.68E-03	0.000244	0.03818	2.06E-06	4.51E-02	0.005887	0.000188	0.072704	2.13E-06	0.078781
2886	488919.67	3858713.97	2.74879	2.21499	1.46548	3.10267	5.17E-03	0.00019	0.03182	3.5E-06	0.03719	6.33E-03	0.000238	0.039195	1.94E-06	4.58E-02	0.005581	0.000183	0.074638	2E-06	0.080404
2887	488906.61	3858703.33	2.7465	2.23097	1.47525	3.13876	5.16E-03	0.0002	0.03204	3.5E-06	0.0374	6.32E-03	0.00024	0.039457	1.96E-06	4.60E-02	0.005576	0.000184	0.075135	2.03E-06	0.080898
2888	488936.61	3858703.33	2.62019	2.16125	1.45368	2.97112	4.92E-03	0.00019	0.03157	3.3E-06	0.03668	6.03E-03	0.000232	0.03888	1.86E-06	4.51E-02	0.00532	0.000179	0.074037	1.92E-06	0.079537
2889	488906.61	3858733.33	2.93997	2.24708	1.41394	3.2335	5.52E-03	0.0002	0.03071	3.6E-06	0.03643	6.77E-03	0.000242	0.037817	2.02E-06	4.48E-02	0.005969	0.000186	0.072013	2.09E-06	0.07817
2890	488936.61	3858733.33	2.78396	2.20536	1.43806	3.12352	5.23E-03	0.00019	0.03123	3.5E-06	0.03666	6.41E-03	0.000237	0.038462	1.95E-06	4.51E-02	0.005652	0.000182	0.073241	2.02E-06	0.079078
2891	488637.63	3858467.85	2.8644	2.63643	1.68449	3.94825	5.38E-03	0.00023	0.03658	4.4E-06	0.0422	6.60E-03	0.000283	0.045053	2.47E-06	5.19E-02	0.005816	0.000218	0.085792	2.55E-06	0.091828
2892	488662.63	3858467.85	2.75414	2.50742	1.66819	4.0943	5.18E-03	0.00022	0.03623	4.6E-06	0.04163	6.34E-03	0.00027	0.044617	2.56E-06	5.12E-02	0.005592	0.000207	0.084962	2.64E-06	0.090764
2893	488637.63	3858492.85	2.971	2.66052	1.67549	4.02246	5.58E-03	0.00023	0.03638	4.5E-06	0.04221	6.84E-03	0.000286	0.044812	2.52E-06	5.19E-02	0.006032	0.00022	0.085334	2.6E-06	0.091589
2894	488662.63	3858492.85	2.88479	2.57087	1.67144	3.84295	5.42E-03	0.00023	0.0363	4.3E-06	0.04195	6.64E-03	0.000276	0.044704	2.4E-06	5.16E-02	0.005857	0.000213	0.085127	2.48E-06	0.0912
2895	488687.63	3858492.85	2.75884	2.50401	1.64091	3.85953	5.18E-03	0.00022	0.03563	4.3E-06	0.04104	6.35E-03	0.000269	0.043887	2.41E-06	5.05E-02	0.005601	0.000207	0.083572	2.49E-06	0.089384
2896	488637.63	3858517.85	3.06279	2.69972	1.61205	4.16208	5.76E-03	0.00024	0.03501	4.7E-06	0.041	7.05E-03	0.00029	0.043115	2.6E-06	5.05E-02	0.006219	0.000223	0.082103	2.69E-06	0.088547
2897	488662.63	3858517.85	2.96331	2.62652	1.63357	3.95217	5.57E-03	0.00023	0.03547	4.4E-06	0.04128	6.82E-03	0.000282	0.043691	2.47E-06	5.08E-02	0.006017	0.000217	0.083199	2.55E-06	0.089435
2898	488687.63	3858517.85	2.87594	2.51688	1.65863	3.73964	5.40E-03	0.00022	0.03602	4.2E-06	0.04165	6.62E-03	0.000271	0.044361	2.34E-06	5.13E-02	0.005839	0.000208	0.084475	2.42E-06	0.090525
2899	488194.42	3857168.98	2.98211	8.73255	3.94015	3.78462	5.60E-03	0.00077	0.08556	4.2E-06	0.09194	6.87E-03	0.000939	0.105382	2.37E-06	1.13E-01	0.006055	0.000722	0.200674	2.44E-06	0.207454
2900	488244.42	3857168.98	2.87728	8.20704	3.77071	3.80158	5.41E-03	0.00072	0.08188	4.2E-06	0.08802	6.63E-03	0.000882	0.10085	2.38E-06	1.08E-01	0.005842	0.000679	0.192044	2.46E-06	0.198568
2901	488294.42	3857168.98	2.79444	7.92933	3.63641	3.84444	5.25E-03	0.0007	0.07897	4.3E-06	0.08492	6.44E-03	0.000852	0.097258	2.4E-06	1.05E-01	0.005674	0.000656	0.185204	2.48E-06	0.191536
2902	488244.42	3857218.98	2.90443	8.84845	3.84225	3.91651	5.46E-03	0.00078	0.08344	4.4E-06	0.08968	6.69E-03	0.000951	0.102764	2.45E-06	1.10E-01	0.005897	0.000732	0.195688	2.53E-06	0.202319
2903	488294.42	3857218.98	2.81862	8.35687	3.68828	3.9291	5.30E-03	0.00073	0.08009	4.4E-06	0.08613	6.49E-03	0.000898	0.098646	2.46E-06	1.06E-01	0.005723	0.000691	0.187846	2.54E-06	0.194263
2904	488294.42	3857268.98	2.84077	8.73731	3.65416	4.07665	5.34E-03	0.00077	0.07935	4.6E-06	0.08546	6.54E-03	0.000939	0.097733	2.55E-06	1.05E-01	0.005768	0.000723	0.186108	2.63E-06	0.192601
2905	488139.13	3857111.68	3.05386	8.5842	4.23215	3.67402	5.74E-03	0.00075	0.09191	4.1E-06	0.0984	7.03E-03	0.000923	0.113192	2.3E-06	1.21E-01	0.0062	0.00071	0.215546	2.37E-06	0.222459
2906	488189.13	3857111.68	2.95003	8.34219	4.06376	3.78451	5.54E-03	0.00073	0.08825	4.2E-06	0.09453	6.79E-03	0.000897	0.108688	2.37E-06	1.16E-01	0.00599	0.00069	0.20697	2.44E-06	0.213652
2907	488189.13	3857161.68	2.98491	8.64839	3.93916	3.78139	5.61E-03	0.00076	0.08554	4.2E-06	0.09192	6.87E-03	0.00093	0.105355	2.37E-06	1.13E-01	0.00606	0.000715	0.200624	2.44E-06	0.207402
2908	487951.04	3856961.26	3.53711	7.62507	4.77706	3.38412	6.65E-03	0.00067	0.10374	3.8E-06	0.11106	8.15E-03	0.00082	0.127766	2.12E-06	1.37E-01	0.007182	0.000631	0.243298	2.19E-06	0.251113
2909	488001.04	3856961.26	3.37646	7.47368	4.59594	3.39795	6.35E-03	0.00066	0.09981	3.8E-06	0.10681	7.78E-03	0.000803	0.122922	2.13E-06	1.32E-01	0.006855	0.000618	0.234074	2.19E-06	0.24155
2910	488051.04	3856961.26	3.25855	7.26118	4.43722	3.36531	6.12E-03	0.00064	0.09636	3.8E-06	0.10312	7.50E-03	0.000781	0.118676	2.1E-06	1.27E-01	0.006616	0.0006	0.22599	2.17E-06	0.233209
2911	488101.04	3856961.26	3.13956	6.91468	4.28485	3.44463	5.90E-03	0.00061	0.09305	3.8E-06	0.09956	7.23E-03	0.000743	0.114601	2.15E-06	1.23E-01	0.006374	0.000572	0.21823	2.23E-06	0.225178
2912	487951.04	3857011.26	3.49302	8.37325	4.84948	3.55798	6.56E-03	0.00073	0.10531	4E-06	0.11261	8.04E-03	0.0009	0.129703	2.23E-06	1.39E-01	0.007092	0.000692	0.246987	2.3E-06	0.254774
2913	488001.04	3857011.26	3.39231	8.02793	4.68931	3.48784	6.37E-03	0.0007	0.10183	3.9E-06	0.10892	7.81E-03	0.000863	0.125419	2.18E-06	1.34E-01	0.006888	0.000664	0.238829	2.25E-06	0.246383
2914	488051.04	3857011.26	3.24656	7.70618	4.55919	3.42192	6.10E-03	0.00068	0.09901	3.8E-06	0.10579	7.48E-03	0.000828	0.121939	2.14E-06	1.30E-01	0.006592	0.000637	0.232202	2.21E-06	0.239433
2915	488101.04	3857011.26	3.13322	7.57045	4.36051	3.55279	5.89E-03	0.00066	0.09469	4E-06	0.10125	7.22E-03	0.000814	0.116625	2.22E-06	1.25E-01	0.006362	0.000626	0.222083	2.29E-06	0.229073
2916	488001.04	3857061.26	3.35278	8.79424	4.7836	3.60097	6.30E-03	0.00077	0.10388	4E-06	0.11096	7.72E-03	0.000945	0.127941	2.25E-06	1.37E-01	0.006807	0.000727	0.243631	2.33E-06	0.251168
2917	488051.04	3857061.26	3.23468	8.48518	4.62597	3.61184	6.08E-03	0.00074	0.10046	4E-06	0.10728	7.45E-03	0.000912	0.123725	2.26E-06	1.32E-01	0.006568	0.000702	0.235603	2.33E-06	0.242875
2918	488101.04	3857061.26	3.11499	8.11498	4.46475	3.63013	5.85E-03	0.00071	0.09696	4.1E-06	0.10353	7.17E-03	0.000872	0.119413	2.27E-06	1.27E-01	0.006325	0.000671	0.227392	2.34E-06	0.23439
2919	487638.98	3856673.79	4.04583	4.14486	5.66699	2.66186	7.60E-03	0.00036	0.12306	3E-06	0.13103	9.32E-03	0.000446	0.151567	1.66E-06	1.61E-01	0.008215	0.000343	0.288623	1.72E-06	0.297182
2920	487688.98	3856673.79	3.91462	3.99941	5.49457	2.66884	7.36E-03	0.00035	0.11932	3E-06	0.12703	9.01E-03	0.00043	0.146956	1.67E-06	1.56E-01	0.007948	0.000331	0.279842	1.72E-06	0.288122
2921	487638.98	3856723.79	4.15255	4.4493	5.78629	2.83703	7.80E-03	0.00039	0.12566	3.2E-06	0.13385	9.56E-03	0.000478	0.154758	1.77E-06	1.65E-01	0.008431	0.000368	0.294699	1.83E-06	0.3035
2922	487688.98	3856723.79	4.01404	4.42255	5.52678	2.80083	7.54E-03	0.00039	0.12002	3.1E-06	0.12795	9.24E-03	0.000475	0.147817	1.75E-06	1.58E-01	0.00815	0.000366	0.281482	1.81E-06	0.29
2923	486324.61	3855740.57	4.05397	3.10491	5.24114	1.62378	7.62E-03	0.00027	0.11382	1.8E-06	0.12171	9.34E-03	0.000334	0.140178	1.02E-06	1.50E-01	0.008231	0.000257	0.266934	1.05E-06	0.275423
2924	486374.61	3855740.57	3.70079	2.96026	4.82729	1.50689	6.95E-03	0.00026	0.10483	1.7E-06	0.11205	8.52E-03	0.000318	0.129109	9.42E-07	1.38E-01	0.007514	0.000245	0.245857	9.73E-07	0.253616

2925	486424.61	3855740.57	3.5632	2.85973	4.60221	1.45676	6.70E-03	0.00025	0.09994	1.6E-06	0.10689	8.21E-03	0.000307	0.123089	9.11E-07	1.32E-01	0.007235	0.000236	0.234393	9.41E-07	0.241865
2926	486324.61	3855790.57	4.21971	3.06859	5.57243	1.75048	7.93E-03	0.00027	0.12101	2E-06	0.12921	9.72E-03	0.00033	0.149038	1.09E-06	1.59E-01	0.008568	0.000254	0.283807	1.13E-06	0.29263
2927	486374.61	3855790.57	3.83923	3.22702	5.13361	1.6424	7.21E-03	0.00028	0.11148	1.8E-06	0.11898	8.84E-03	0.000347	0.137302	1.03E-06	1.46E-01	0.007795	0.000267	0.261458	1.06E-06	0.269521
2928	486424.61	3855790.57	3.74906	3.16022	4.94456	1.5791	7.05E-03	0.00028	0.10738	1.8E-06	0.1147	8.63E-03	0.00034	0.132246	9.88E-07	1.41E-01	0.007612	0.000261	0.251829	1.02E-06	0.259704
2929	486324.61	3855840.57	4.36701	2.99743	5.8068	1.8176	8.21E-03	0.00026	0.1261	2E-06	0.13457	1.01E-02	0.000322	0.155307	1.14E-06	1.66E-01	0.008867	0.000248	0.295744	1.17E-06	0.304859
2930	486374.61	3855840.57	4.19966	3.14105	5.59953	1.76698	7.89E-03	0.00028	0.1216	2E-06	0.12977	9.67E-03	0.000338	0.149763	1.11E-06	1.60E-01	0.008527	0.00026	0.285187	1.14E-06	0.293975
2931	486424.61	3855840.57	3.94018	3.16878	5.34398	1.7044	7.40E-03	0.00028	0.11605	1.9E-06	0.12373	9.07E-03	0.000341	0.142928	1.07E-06	1.52E-01	0.008	0.000262	0.272172	1.1E-06	0.280435
2932	486324.61	3855890.57	4.66909	3.22846	6.33542	1.98489	8.77E-03	0.00028	0.13758	2.2E-06	0.14664	1.08E-02	0.000347	0.169445	1.24E-06	1.81E-01	0.00948	0.000267	0.322667	1.28E-06	0.332415
2933	486374.61	3855890.57	4.49282	3.05625	6.03313	1.87559	8.44E-03	0.00027	0.13102	2.1E-06	0.13973	1.03E-02	0.000329	0.16136	1.17E-06	1.72E-01	0.009122	0.000253	0.307271	1.21E-06	0.316647
2934	486424.61	3855890.57	4.23047	3.12127	5.72085	1.80124	7.95E-03	0.00027	0.12423	2E-06	0.13246	9.74E-03	0.000336	0.153008	1.13E-06	1.63E-01	0.008589	0.000258	0.291366	1.16E-06	0.300215
2935	488735.69	3858285.64	2.22853	2.97152	1.80377	4.13993	4.19E-03	0.00026	0.03917	4.6E-06	0.04362	5.13E-03	0.000319	0.048243	2.59E-06	5.37E-02	0.004525	0.000246	0.091867	2.67E-06	0.09664
2936	488765.69	3858285.64	2.17364	2.95273	1.77878	4.14141	4.08E-03	0.00026	0.03863	4.6E-06	0.04298	5.01E-03	0.000317	0.047575	2.59E-06	5.29E-02	0.004413	0.000244	0.090594	2.68E-06	0.095254
2937	488735.69	3858315.64	2.27198	2.7155	1.77521	3.94529	4.27E-03	0.00024	0.03855	4.4E-06	0.04306	5.23E-03	0.000292	0.047479	2.47E-06	5.30E-02	0.004613	0.000225	0.090412	2.55E-06	0.095253
2938	488765.69	3858315.64	2.21958	2.79556	1.76661	3.82602	4.17E-03	0.00025	0.03836	4.3E-06	0.04278	5.11E-03	0.000301	0.047249	2.39E-06	5.27E-02	0.004507	0.000231	0.089974	2.47E-06	0.094715
2939	478676.63	3849871.93	0.42267	0.52576	0.46011	0.45974	7.94E-04	4.6E-05	0.00999	5.1E-07	0.01083	9.73E-04	5.65E-05	0.012306	2.88E-07	1.33E-02	0.000858	4.35E-05	0.023434	2.97E-07	0.024336
2940	479326.63	3849871.93	0.55285	0.66028	0.66891	0.46366	1.04E-03	5.8E-05	0.01453	5.2E-07	0.01562	1.27E-03	7.1E-05	0.01789	2.9E-07	1.92E-02	0.001122	5.46E-05	0.034068	3E-07	0.035245
2941	479376.63	3849871.93	0.55932	0.65159	0.69204	0.48663	1.05E-03	5.7E-05	0.01503	5.4E-07	0.01614	1.29E-03	7E-05	0.018509	3.04E-07	1.99E-02	0.001136	5.39E-05	0.035246	3.14E-07	0.036436
2942	479426.63	3849871.93	0.55731	0.64196	0.70091	0.51358	1.05E-03	5.6E-05	0.01522	5.7E-07	0.01633	1.28E-03	6.9E-05	0.018746	3.21E-07	2.01E-02	0.001132	5.31E-05	0.035698	3.32E-07	0.036883
2943	478726.63	3849921.93	0.42277	0.53706	0.45306	0.47968	7.94E-04	4.7E-05	0.00984	5.4E-07	0.01068	9.74E-04	5.77E-05	0.012117	3E-07	1.31E-02	0.000858	4.44E-05	0.023075	3.1E-07	0.023978
2944	478776.63	3849921.93	0.42432	0.53052	0.44792	0.48366	7.97E-04	4.7E-05	0.00973	5.4E-07	0.01057	9.77E-04	5.7E-05	0.01198	3.03E-07	1.30E-02	0.000862	4.39E-05	0.022813	3.12E-07	0.023719
2945	478826.63	3849921.93	0.4304	0.55922	0.47613	0.46724	8.09E-04	4.9E-05	0.01034	5.2E-07	0.0112	9.91E-04	6.01E-05	0.012734	2.92E-07	1.38E-02	0.000874	4.62E-05	0.02425	3.02E-07	0.02517
2946	478976.63	3849921.93	0.45328	0.55749	0.48065	0.5248	8.52E-04	4.9E-05	0.01044	5.9E-07	0.01134	1.04E-03	5.99E-05	0.012855	3.28E-07	1.40E-02	0.00092	4.61E-05	0.02448	3.39E-07	0.025447
2947	479026.63	3849921.93	0.50052	0.56993	0.48023	0.4751	9.41E-04	5E-05	0.01043	5.3E-07	0.01142	1.15E-03	6.13E-05	0.012844	2.97E-07	1.41E-02	0.001016	4.71E-05	0.024458	3.07E-07	0.025522
2948	479076.63	3849921.93	0.48702	0.5944	0.52308	0.45376	9.15E-04	5.2E-05	0.01136	5.1E-07	0.01233	1.12E-03	6.39E-05	0.01399	2.84E-07	1.52E-02	0.000989	4.92E-05	0.026641	2.93E-07	0.027679
2949	479126.63	3849921.93	0.49036	0.61184	0.55949	0.45438	9.21E-04	5.4E-05	0.01215	5.1E-07	0.01313	1.13E-03	6.58E-05	0.014964	2.84E-07	1.62E-02	0.000996	5.06E-05	0.028495	2.94E-07	0.029542
2950	479176.63	3849921.93	0.49888	0.63041	0.56511	0.50956	9.37E-04	5.5E-05	0.01227	5.7E-07	0.01327	1.15E-03	6.78E-05	0.015114	3.19E-07	1.63E-02	0.001013	5.21E-05	0.028781	3.29E-07	0.029847
2951	479226.63	3849921.93	0.51145	0.65407	0.58052	0.48776	9.61E-04	5.7E-05	0.01261	5.4E-07	0.01363	1.18E-03	7.03E-05	0.015526	3.05E-07	1.68E-02	0.001038	5.41E-05	0.029566	3.15E-07	0.030659
2952	479276.63	3849921.93	0.53565	0.65241	0.61731	0.49002	1.01E-03	5.7E-05	0.01341	5.5E-07	0.01447	1.23E-03	7.01E-05	0.01651	3.06E-07	1.78E-02	0.001088	5.4E-05	0.03144	3.17E-07	0.032582
2953	479326.63	3849921.93	0.54218	0.66106	0.62039	0.48557	1.02E-03	5.8E-05	0.01347	5.4E-07	0.01455	1.25E-03	7.11E-05	0.016593	3.04E-07	1.79E-02	0.001101	5.47E-05	0.031597	3.14E-07	0.032753
2954	479376.63	3849921.93	0.55721	0.66671	0.67161	0.47763	1.05E-03	5.8E-05	0.01458	5.3E-07	0.01569	1.28E-03	7.17E-05	0.017963	2.99E-07	1.93E-02	0.001131	5.51E-05	0.034205	3.09E-07	0.035392
2955	479426.63	3849921.93	0.55947	0.65715	0.68707	0.52775	1.05E-03	5.8E-05	0.01492	5.9E-07	0.01603	1.29E-03	7.06E-05	0.018376	3.3E-07	1.97E-02	0.001136	5.43E-05	0.034993	3.41E-07	0.036183
2956	478726.63	3849971.93	0.4245	0.49901	0.44931	0.53374	7.98E-04	4.4E-05	0.00976	6E-07	0.0106	9.78E-04	5.36E-05	0.012017	3.34E-07	1.30E-02	0.000862	4.13E-05	0.022884	3.45E-07	0.023787
2957	478776.63	3849971.93	0.42311	0.53649	0.45522	0.49911	7.95E-04	4.7E-05	0.00989	5.6E-07	0.01073	9.74E-04	5.77E-05	0.012175	3.12E-07	1.32E-02	0.000859	4.44E-05	0.023185	3.22E-07	0.024088
2958	478826.63	3849971.93	0.42716	0.5312	0.44641	0.49343	8.03E-04	4.7E-05	0.00969	5.5E-07	0.01054	9.84E-04	5.71E-05	0.01194	3.09E-07	1.30E-02	0.000867	4.39E-05	0.022736	3.19E-07	0.023647
2959	478976.63	3849971.93	0.42675	0.59257	0.48865	0.52521	8.02E-04	5.2E-05	0.01061	5.9E-07	0.01147	9.83E-04	6.37E-05	0.013069	3.28E-07	1.41E-02	0.000866	4.9E-05	0.024887	3.39E-07	0.025803
2960	479026.63	3849971.93	0.4631	0.56677	0.4784	0.53944	8.70E-04	5E-05	0.01039	6E-07	0.01131	1.07E-03	6.09E-05	0.012795	3.37E-07	1.39E-02	0.00094	4.69E-05	0.024365	3.48E-07	0.025353
2961	479076.63	3849971.93	0.50158	0.57222	0.47996	0.48685	9.43E-04	5E-05	0.01042	5.4E-07	0.01142	1.16E-03	6.15E-05	0.012837	3.04E-07	1.41E-02	0.001018	4.73E-05	0.024445	3.14E-07	0.025511
2962	479126.63	3849971.93	0.48851	0.59807	0.52264	0.45985	9.18E-04	5.2E-05	0.01135	5.1E-07	0.01232	1.12E-03	6.43E-05	0.013978	2.88E-07	1.52E-02	0.000992	4.95E-05	0.026618	2.97E-07	0.02766
2963	479176.63	3849971.93	0.49071	0.61361	0.55956	0.4609	9.22E-04	5.4E-05	0.01215	5.1E-07	0.01313	1.13E-03	6.6E-05	0.014966	2.88E-07	1.62E-02	0.000996	5.07E-05	0.028499	2.98E-07	0.029546
2964	479226.63	3849971.93	0.50857	0.6475	0.58957	0.47832	9.56E-04	5.7E-05	0.0128	5.3E-07	0.01382	1.17E-03	6.96E-05	0.015768	2.99E-07	1.70E-02	0.001033	5.35E-05	0.030027	3.09E-07	0.031114
2965	479276.63	3849971.93	0.51607	0.66157	0.58521	0.49801	9.70E-04	5.8E-05	0.01271	5.6E-07	0.01374	1.19E-03	7.11E-05	0.015652	3.11E-07	1.69E-02	0.001048	5.47E-05	0.029805	3.22E-07	0.030908
2966	479326.63	3849971.93	0.52324	0.64566	0.59259	0.54779	9.83E-04	5.7E-05	0.01287	6.1E-07	0.01391	1.20E-03	6.94E-05	0.015849	3.43E-07	1.71E-02	0.001062	5.34E-05	0.030181	3.54E-07	0.031297
2967	479376.63	3849971.93	0.54878	0.66826	0.6306	0.48256	1.03E-03	5.9E-05	0.01369	5.4E-07	0.01478	1.26E-03	7.18E-05	0.016866	3.02E-07	1.82E-02	0.001114	5.53E-05	0.032117	3.12E-07	0.033287
2968	479426.63	3849971.93	0.55708	0.67145	0.65608	0.51734	1.05E-03	5.9E-05	0.01425	5.8E-07	0.01535	1.28E-03	7.22E-05	0.017547	3.24E-07	1.89E-02	0.001131	5.55E-05	0.033415	3.34E-07	0.034601
2969	478726.63	3850021.93	0.41276	0.48746	0.44013	0.54075	7.76E-04	4.3E-05	0.00956	6E-07	0.01038	9.51E-04	5.24E-05	0.011772	3.38E-07	1.28E-02	0.000838	4.03E-05	0.022416	3.49E-07	0.023295
2970	478776.63	3850021.93	0.42467	0.49862	0.44861	0.54073	7.98E-04	4.4E-05	0.00974	6E-07	0.01058	9.78E-04	5.36E-05	0.011998	3.38E-07	1.30E-02	0.000862	4.12E-05	0.022848	3.49E-07	0.023752
2971	478826.63	3850021.93	0.42333	0.53593	0.4578	0.51875	7.96E-04	4.7E-05	0.00994	5.8E-07	0.01078	9.75E-04	5.76E-05	0.012244	3.24E-07	1.33E-02	0.00086	4.43E-05	0.023316	3.35E-07	0.02422
2972	478976.63	3850021.93	0.44921	0.57682	0.49465	0.47129	8.44E-04	5.1E-05	0.01074	5.3E-07	0.01164	1.03E-03	6.2E-05	0.01323	2.95E-07	1.43E-02	0.000912	4.77E-05	0.025193	3.04E-07	0.026153
2973	478726.63	3850071.93	0.4128	0.48777	0.42681	0.51154	7.76E-04	4.3E-05	0.00927	5.7E-07	0.01009	9.51E-04	5.24E-05	0.011415	3.2E-07	1.24E-02	0.000838	4.03E-05	0.021738	3.3E-07	0.022616
2974	478776.63	3850071.93	0.41302	0.48983	0.43072	0.54612	7.76E-04	4.3E-05	0.00935	6.1E-07	0.01017	9.51E-04	5.27E-05	0.01152	3.42E-07	1.25E-02	0.000839	4.05E-05	0.021937	3.53E-07	0.022816
2975	478826.63	3850071.93	0.42274	0.49713	0.4458	0.54838	7.94E-04	4.4E-05	0.00968	6.1E-07	0.01052	9.73E-04	5.34E-05	0.011923	3.43E-07	1.30E-02	0.000858	4.11E-05	0.022705	3.54E-07	0.023605
2976	478876.63	3850071.93	0.42261	0.53384	0.45753	0.53827	7.94E-04	4.7E-05	0.00994	6E-07	0.01078	9.73E-04	5.74E-05	0.012237	3.37E-07	1.33E-02	0.000858	4.41E-05	0.023302	3.48E-07	0.024205
2977	478976.63	3850071.93	0.43153	0.55265	0.46322	0.48392	8.11E-04	4.8E-05	0.01006	5.4E-07	0.01092	9.94E-04	5.94E-05	0.012389	3.03E-07	1.34E-02	0.000876	4.57E-05	0.023592	3.13E-07	0.024514
2978	478726.63	3850121.93	0.40777	0.44657	0.41402	0.44124	7.66E-04	3.9E-05	0.00899	4.9E-07	0.0098	9.39E-04	4.8E-05	0.011073	2.76E-07	1.21E-02	0.000828	3.69E-05	0.021086	2.85E-07	0.021951
2979	478776.63	3850121.93	0.41348	0.46374	0.41746	0.5119	7.77E-04	4.1E-05	0.00907	5.7E-07	0.00988	9.52E-04	4.99E-05	0.011165	3.2E-07	1.22E-02	0.00084	3.84E-05	0.021261	3.31E-07	0.02214
2980	478826.63	3850121.93	0.41277	0.469	0.42245	0.55137	7.76E-04	4.1E-05	0.00917	6.2E-07	0.00999	9.51E-04	5.04E-05	0.011299	3.45E-07	1.23E-02	0.000838	3.88E-05	0.021516	3.56E-07	0.022393
2981	478876.63	3850121.93	0.42231	0.46377	0.44399	0.55549	7.94E-04	4.1E-05	0.00964	6.2E-07	0.01048	9.73E-04	4.99E-05	0.011875	3.47E-07	1.29E-02	0.000857	3.84E-05	0.022613	3.59E-07	0.023509
2982	478976.63	3850121.93	0.42855	0.52286	0.44672	0.50824	8.05E-04	4.6E-05	0.0097	5.7E-07	0.01055	9.87E-04	5.62E-05	0.011948	3.18E-07	1.30E-02	0.00087	4.32E-05	0.022752	3.28E-07	0.023665
2983	479026.63	3850121.93	0.42948	0.51072	0.45906	0.49635	8.07E-04	4.5E-05	0.00997	5.5E-07	0.01082	9.89E-04	5.49E-05	0.012278	3.1E-07	1.33E-02	0.000872	4.22E-05	0.02338	3.21E-07	0.024295
2984	479076.63	3850121.93	0.44855	0.57365	0.49284	0.47938	8.43E-04	5E-05	0.0107	5.4E-07	0.0116	1.03E-03	6.17E-05	0.013181	3E-07	1.43E-02	0.000911	4.74E-05	0.025101	3.1E-07	0.026059
2985	479126.63	3850121.93	0.43478	0.60438	0.49061	0.54046	8.17E-04	5.3E-05	0.01065	6E-07	0.01152	1.00E-03	6.5E-05	0.013122	3.38E-07	1.42E-02	0.000883	5E-05	0.024987	3.49E-07	0.02592

2986	478776.63	3850171.93	0.40976	0.45153	0.40499	0.4403	7.70E-04	4E-05	0.00879	4.9E-07	0.0096	9.44E-04	4.85E-05	0.010832	2.75E-07	1.18E-02	0.000832	3.73E-05	0.020626	2.84E-07	0.021496
2987	478826.63	3850171.93	0.41582	0.46605	0.41165	0.51053	7.81E-04	4.1E-05	0.00894	5.7E-07	0.00976	9.58E-04	5.01E-05	0.01101	3.19E-07	1.20E-02	0.000844	3.85E-05	0.020966	3.3E-07	0.021849
2988	478876.63	3850171.93	0.41347	0.47341	0.41693	0.55584	7.77E-04	4.2E-05	0.00905	6.2E-07	0.00987	9.52E-04	5.09E-05	0.011151	3.48E-07	1.22E-02	0.00084	3.92E-05	0.021234	3.59E-07	0.022113
2989	478976.63	3850171.93	0.41864	0.49812	0.45553	0.55758	7.87E-04	4.4E-05	0.00989	6.2E-07	0.01072	9.64E-04	5.35E-05	0.012183	3.49E-07	1.32E-02	0.00085	4.12E-05	0.0232	3.6E-07	0.024092
2990	479026.63	3850171.93	0.42845	0.52637	0.4432	0.52275	8.05E-04	4.6E-05	0.00962	5.8E-07	0.01048	9.87E-04	5.66E-05	0.011854	3.27E-07	1.29E-02	0.00087	4.35E-05	0.022572	3.38E-07	0.023486
2991	479076.63	3850171.93	0.42863	0.51423	0.45554	0.50839	8.05E-04	4.5E-05	0.00989	5.7E-07	0.01074	9.87E-04	5.53E-05	0.012184	3.18E-07	1.32E-02	0.00087	4.25E-05	0.023201	3.28E-07	0.024114
2992	479126.63	3850171.93	0.44717	0.53443	0.49034	0.4898	8.40E-04	4.7E-05	0.01065	5.5E-07	0.01154	1.03E-03	5.75E-05	0.013114	3.06E-07	1.42E-02	0.000908	4.42E-05	0.024973	3.16E-07	0.025926
2993	479176.63	3850171.93	0.44147	0.56187	0.48363	0.55038	8.30E-04	4.9E-05	0.0105	6.1E-07	0.01138	1.02E-03	6.04E-05	0.012935	3.44E-07	1.40E-02	0.000896	4.65E-05	0.024632	3.56E-07	0.025575
2994	479226.63	3850171.93	0.48425	0.56391	0.47112	0.57807	9.10E-04	4.9E-05	0.01023	6.5E-07	0.01119	1.12E-03	6.06E-05	0.0126	3.62E-07	1.38E-02	0.000983	4.66E-05	0.023994	3.73E-07	0.025025
2995	479276.63	3850171.93	0.47992	0.55982	0.45023	0.58807	9.02E-04	4.9E-05	0.00978	6.6E-07	0.01073	1.11E-03	6.02E-05	0.012042	3.68E-07	1.32E-02	0.000974	4.63E-05	0.02293	3.8E-07	0.023952
2996	479326.63	3850171.93	0.46974	0.56142	0.48801	0.52012	8.83E-04	4.9E-05	0.0106	5.8E-07	0.01153	1.08E-03	6.04E-05	0.013052	3.25E-07	1.42E-02	0.000954	4.64E-05	0.024855	3.36E-07	0.025855
2997	479376.63	3850171.93	0.47951	0.5605	0.52552	0.50501	9.01E-04	4.9E-05	0.01141	5.6E-07	0.01236	1.10E-03	6.03E-05	0.014055	3.16E-07	1.52E-02	0.000974	4.64E-05	0.026765	3.26E-07	0.027785
2998	478676.63	3850221.93	0.40031	0.43389	0.38097	0.39109	7.52E-04	3.8E-05	0.00827	4.4E-07	0.00906	9.22E-04	4.66E-05	0.010189	2.45E-07	1.12E-02	0.000813	3.59E-05	0.019403	2.53E-07	0.020252
2999	478726.63	3850221.93	0.40873	0.45066	0.38569	0.41962	7.68E-04	4E-05	0.00838	4.7E-07	0.00918	9.41E-04	4.84E-05	0.010316	2.62E-07	1.13E-02	0.00083	3.73E-05	0.019643	2.71E-07	0.020511
3000	478976.63	3850221.93	0.41822	0.47077	0.43642	0.57072	7.86E-04	4.1E-05	0.00948	6.4E-07	0.01031	9.63E-04	5.06E-05	0.011672	3.57E-07	1.27E-02	0.000849	3.89E-05	0.022227	3.69E-07	0.023116
3001	479026.63	3850221.93	0.42046	0.50144	0.44961	0.56723	7.90E-04	4.4E-05	0.00976	6.3E-07	0.0106	9.68E-04	5.39E-05	0.012025	3.55E-07	1.30E-02	0.000854	4.15E-05	0.022899	3.66E-07	0.023794
3002	479076.63	3850221.93	0.42996	0.52979	0.44489	0.54496	8.08E-04	4.6E-05	0.00966	6.1E-07	0.01052	9.90E-04	5.7E-05	0.011899	3.41E-07	1.29E-02	0.000873	4.38E-05	0.022659	3.52E-07	0.023576
3003	479126.63	3850221.93	0.4285	0.52013	0.45074	0.5207	8.05E-04	4.6E-05	0.00979	5.8E-07	0.01064	9.87E-04	5.59E-05	0.012055	3.26E-07	1.31E-02	0.00087	4.3E-05	0.022956	3.36E-07	0.02387
3004	479176.63	3850221.93	0.43901	0.53714	0.48022	0.50237	8.25E-04	4.7E-05	0.01043	5.6E-07	0.0113	1.01E-03	5.77E-05	0.012844	3.14E-07	1.39E-02	0.000891	4.44E-05	0.024458	3.25E-07	0.025394
3005	479226.63	3850221.93	0.45038	0.56892	0.46626	0.56469	8.46E-04	5E-05	0.01013	6.3E-07	0.01102	1.04E-03	6.12E-05	0.01247	3.53E-07	1.36E-02	0.000914	4.7E-05	0.023747	3.65E-07	0.024709
3006	479276.63	3850221.93	0.47818	0.5653	0.46688	0.58921	8.99E-04	5E-05	0.01014	6.6E-07	0.01109	1.10E-03	6.08E-05	0.012487	3.69E-07	1.36E-02	0.000971	4.67E-05	0.023778	3.81E-07	0.024796
3007	479326.63	3850221.93	0.48457	0.56558	0.45654	0.6018	9.11E-04	5E-05	0.00991	6.7E-07	0.01088	1.12E-03	6.08E-05	0.01221	3.76E-07	1.34E-02	0.000984	4.68E-05	0.023252	3.89E-07	0.024283
3008	479376.63	3850221.93	0.47149	0.56601	0.48823	0.52868	8.86E-04	5E-05	0.0106	5.9E-07	0.01154	1.09E-03	6.08E-05	0.013058	3.31E-07	1.42E-02	0.000957	4.68E-05	0.024866	3.42E-07	0.02587
3009	478676.63	3850271.93	0.38559	0.42417	0.36241	0.40329	7.25E-04	3.7E-05	0.00787	4.5E-07	0.00863	8.88E-04	4.56E-05	0.009693	2.52E-07	1.06E-02	0.000783	3.51E-05	0.018458	2.61E-07	0.019276
3010	478726.63	3850271.93	0.39866	0.43443	0.37401	0.39768	7.49E-04	3.8E-05	0.00812	4.4E-07	0.00891	9.18E-04	4.67E-05	0.010003	2.49E-07	1.10E-02	0.000809	3.59E-05	0.019049	2.57E-07	0.019894
3011	478976.63	3850271.93	0.41277	0.47976	0.41354	0.56585	7.76E-04	4.2E-05	0.00898	6.3E-07	0.0098	9.51E-04	5.16E-05	0.01106	3.54E-07	1.21E-02	0.000838	3.97E-05	0.021062	3.66E-07	0.02194
3012	479026.63	3850271.93	0.41658	0.47402	0.43317	0.57757	7.83E-04	4.2E-05	0.00941	6.5E-07	0.01023	9.59E-04	5.1E-05	0.011585	3.61E-07	1.26E-02	0.000846	3.92E-05	0.022062	3.73E-07	0.022947
3013	479076.63	3850271.93	0.42453	0.50468	0.44794	0.57563	7.98E-04	4.4E-05	0.00973	6.4E-07	0.01057	9.78E-04	5.43E-05	0.01198	3.6E-07	1.30E-02	0.000862	4.17E-05	0.022814	3.72E-07	0.023718
3014	479126.63	3850271.93	0.42992	0.53308	0.44408	0.56069	8.08E-04	4.7E-05	0.00964	6.3E-07	0.0105	9.90E-04	5.73E-05	0.011877	3.51E-07	1.29E-02	0.000873	4.41E-05	0.022617	3.62E-07	0.023535
3015	479176.63	3850271.93	0.42723	0.52792	0.44377	0.53406	8.03E-04	4.6E-05	0.00964	6E-07	0.01049	9.84E-04	5.68E-05	0.011869	3.34E-07	1.29E-02	0.000867	4.37E-05	0.022601	3.45E-07	0.023513
3016	479226.63	3850271.93	0.43401	0.54264	0.47262	0.5144	8.16E-04	4.8E-05	0.01026	5.7E-07	0.01113	9.99E-04	5.83E-05	0.012641	3.22E-07	1.37E-02	0.000881	4.49E-05	0.024071	3.32E-07	0.024997
3017	479276.63	3850271.93	0.45698	0.5748	0.4611	0.5714	8.59E-04	5E-05	0.01001	6.4E-07	0.01092	1.05E-03	6.18E-05	0.012332	3.57E-07	1.34E-02	0.000928	4.75E-05	0.023484	3.69E-07	0.02446
3018	479326.63	3850271.93	0.48263	0.5734	0.47063	0.5897	9.07E-04	5E-05	0.01022	6.6E-07	0.01118	1.11E-03	6.16E-05	0.012587	3.69E-07	1.38E-02	0.00098	4.74E-05	0.023969	3.81E-07	0.024997
3019	479376.63	3850271.93	0.49002	0.57244	0.46377	0.61451	9.21E-04	5E-05	0.01007	6.9E-07	0.01104	1.13E-03	6.15E-05	0.012404	3.84E-07	1.36E-02	0.000995	4.73E-05	0.02362	3.97E-07	0.024663
3020	479053.24	3850293.52	0.41793	0.47816	0.43391	0.58098	7.85E-04	4.2E-05	0.00942	6.5E-07	0.01025	9.62E-04	5.14E-05	0.011605	3.63E-07	1.26E-02	0.000849	3.95E-05	0.022099	3.75E-07	0.022988
3021	479103.24	3850293.52	0.42315	0.50916	0.44792	0.57875	7.95E-04	4.5E-05	0.00973	6.5E-07	0.01057	9.74E-04	5.47E-05	0.01198	3.62E-07	1.30E-02	0.000859	4.21E-05	0.022813	3.74E-07	0.023714
3022	479153.24	3850293.52	0.42989	0.53714	0.44302	0.56311	8.08E-04	4.7E-05	0.00962	6.3E-07	0.01048	9.90E-04	5.77E-05	0.011849	3.52E-07	1.29E-02	0.000873	4.44E-05	0.022563	3.64E-07	0.023481
3023	479203.24	3850293.52	0.42853	0.52723	0.44406	0.53631	8.05E-04	4.6E-05	0.00964	6E-07	0.0105	9.87E-04	5.67E-05	0.011877	3.35E-07	1.29E-02	0.00087	4.36E-05	0.022616	3.46E-07	0.02353
3024	479253.24	3850293.52	0.43074	0.5484	0.4736	0.51526	8.09E-04	4.8E-05	0.01028	5.8E-07	0.01114	9.92E-04	5.9E-05	0.012667	3.22E-07	1.37E-02	0.000875	4.54E-05	0.024121	3.33E-07	0.025041
3025	479303.24	3850293.52	0.46426	0.57999	0.46289	0.5773	8.72E-04	5.1E-05	0.01005	6.5E-07	0.01098	1.07E-03	6.24E-05	0.01238	3.61E-07	1.35E-02	0.000943	4.8E-05	0.023575	3.73E-07	0.024566
3026	479353.24	3850293.52	0.48597	0.57981	0.47576	0.59393	9.13E-04	5.1E-05	0.01033	6.6E-07	0.0113	1.12E-03	6.23E-05	0.012725	3.71E-07	1.39E-02	0.000987	4.79E-05	0.024231	3.84E-07	0.025266
3027	479153.24	3850343.52	0.42704	0.50931	0.44718	0.5869	8.02E-04	4.5E-05	0.00971	6.6E-07	0.01056	9.83E-04	5.48E-05	0.01196	3.67E-07	1.30E-02	0.000867	4.21E-05	0.022775	3.79E-07	0.023685
3028	479203.24	3850343.52	0.42945	0.53364	0.44297	0.57371	8.07E-04	4.7E-05	0.00962	6.4E-07	0.01047	9.89E-04	5.74E-05	0.011848	3.59E-07	1.29E-02	0.000872	4.41E-05	0.022561	3.71E-07	0.023477
3029	479253.24	3850343.52	0.42908	0.52522	0.44212	0.54731	8.06E-04	4.6E-05	0.0096	6.1E-07	0.01045	9.88E-04	5.65E-05	0.011825	3.42E-07	1.29E-02	0.000871	4.34E-05	0.022517	3.54E-07	0.023432
3030	479303.24	3850343.52	0.43705	0.55291	0.47568	0.52549	8.21E-04	4.9E-05	0.01033	5.9E-07	0.0112	1.01E-03	5.94E-05	0.012722	3.29E-07	1.38E-02	0.000887	4.57E-05	0.024227	3.39E-07	0.02516
3031	479353.24	3850343.52	0.46967	0.58503	0.47159	0.57536	8.83E-04	5.1E-05	0.01024	6.4E-07	0.01118	1.08E-03	6.29E-05	0.012613	3.6E-07	1.38E-02	0.000954	4.84E-05	0.024018	3.72E-07	0.025021
3032	479203.24	3850393.52	0.42931	0.51266	0.4487	0.59435	8.07E-04	4.5E-05	0.00974	6.6E-07	0.0106	9.89E-04	5.51E-05	0.012001	3.72E-07	1.30E-02	0.000872	4.24E-05	0.022853	3.84E-07	0.023767
3033	479253.24	3850393.52	0.43276	0.53793	0.44701	0.58243	8.13E-04	4.7E-05	0.00971	6.5E-07	0.01057	9.97E-04	5.78E-05	0.011956	3.64E-07	1.30E-02	0.000879	4.45E-05	0.022766	3.76E-07	0.02369
3034	479303.24	3850393.52	0.43261	0.52916	0.44303	0.55718	8.13E-04	4.6E-05	0.00962	6.2E-07	0.01048	9.96E-04	5.69E-05	0.011849	3.48E-07	1.29E-02	0.000878	4.38E-05	0.022564	3.6E-07	0.023486
3035	479353.24	3850393.52	0.44369	0.55757	0.47747	0.53576	8.34E-04	4.9E-05	0.01037	6E-07	0.01125	1.02E-03	5.99E-05	0.01277	3.35E-07	1.39E-02	0.000901	4.61E-05	0.024318	3.46E-07	0.025265
3036	479403.24	3850393.52	0.47563	0.5903	0.47758	0.57512	8.94E-04	5.2E-05	0.01037	6.4E-07	0.01132	1.10E-03	6.35E-05	0.012773	3.6E-07	1.39E-02	0.000966	4.88E-05	0.024323	3.72E-07	0.025338
3037	479453.24	3850393.52	0.4963	0.59475	0.48399	0.59275	9.33E-04	5.2E-05	0.01051	6.6E-07	0.0115	1.14E-03	6.39E-05	0.012945	3.71E-07	1.42E-02	0.001008	4.92E-05	0.02465	3.83E-07	0.025707
3038	479503.24	3850393.52	0.50671	0.59558	0.4825	0.63623	9.52E-04	5.2E-05	0.01048	7.1E-07	0.01148	1.17E-03	6.4E-05	0.012905	3.98E-07	1.41E-02	0.001029	4.93E-05	0.024574	4.11E-07	0.025652
3039	479303.24	3850443.52	0.43745	0.54235	0.45363	0.5903	8.22E-04	4.8E-05	0.00985	6.6E-07	0.01072	1.01E-03	5.83E-05	0.012133	3.69E-07	1.32E-02	0.000888	4.49E-05	0.023104	3.81E-07	0.024037
3040	479353.24	3850443.52	0.43889	0.53962	0.45362	0.56389	8.25E-04	4.7E-05	0.00985	6.3E-07	0.01072	1.01E-03	5.8E-05	0.012132	3.53E-07	1.32E-02	0.000891	4.46E-05	0.023103	3.64E-07	0.024039
3041	479403.24	3850443.52	0.45591	0.56132	0.4839	0.54533	8.57E-04	4.9E-05	0.01051	6.1E-07	0.01141	1.05E-03	6.03E-05	0.012942	3.41E-07	1.41E-02	0.000926	4.64E-05	0.024645	3.52E-07	0.025618
3042	479453.24	3850443.52	0.48034	0.59434	0.49609	0.56669	9.03E-04	5.2E-05	0.01077	6.3E-07	0.01173	1.11E-03	6.39E-05	0.013268	3.54E-07	1.44E-02	0.000975	4.92E-05	0.025266	3.66E-07	0.026291
3043	479503.24	3850443.52	0.50803	0.60881	0.4937	0.59455	9.55E-04	5.3E-05	0.01072	6.6E-07	0.01173	1.17E-03	6.54E-05	0.013204	3.72E-07	1.44E-02	0.001031	5.03E-05	0.025144	3.84E-07	0.026227
3044	480327.18	3850987.04	0.54407	0.7128	0.60844	0.77127	1.02E-03	6.3E-05	0.01321	8.6E-07	0.0143	1.25E-03	7.66E-05	0.016273	4.82E-07	1.76E-02	0.001105	5.89E-05	0.030988	4.98E-07	0.032152
3045	480377.18	3850987.04	0.56499	0.71672	0.60667	0.76736	1.06E-03	6.3E-05	0.01317	8.6E-07	0.0143	1.30E-03	7.7E-05	0.016226	4.8E-07	1.76E-02	0.001147	5.93E-05	0.030898	4.96E-07	0.032105
3046	480427.18	3850987.04	0.5454	0.72133	0.62453	0.78407	1.02E-03	6.3E-05	0.01356	8.8E-07	0.01465	1.26E-03	7.75E-05	0.016703	4.9E-07	1.80E-02	0.001107	5.97E-05	0.031808	5.06E-07	0.032975

3047	480477.18	3850987.04	0.53822	0.7152	0.62223	0.82826	1.01E-03	6.3E-05	0.01351	9.3E-07	0.01459	1.24E-03	7.69E-05	0.016642	5.18E-07	1.80E-02	0.001093	5.91E-05	0.031691	5.35E-07	0.032843
3048	480327.18	3851037.04	0.54384	0.71055	0.59575	0.71053	1.02E-03	6.2E-05	0.01294	7.9E-07	0.01402	1.25E-03	7.64E-05	0.015934	4.44E-07	1.73E-02	0.001104	5.88E-05	0.030342	4.59E-07	0.031505
3049	480377.18	3851037.04	0.55143	0.72219	0.6157	0.77668	1.04E-03	6.3E-05	0.01337	8.7E-07	0.01447	1.27E-03	7.76E-05	0.016467	4.86E-07	1.78E-02	0.00112	5.97E-05	0.031358	5.02E-07	0.032538
3050	480427.18	3851037.04	0.57377	0.72632	0.61603	0.7729	1.08E-03	6.4E-05	0.01338	8.6E-07	0.01452	1.32E-03	7.81E-05	0.016476	4.83E-07	1.79E-02	0.001165	6.01E-05	0.031375	4.99E-07	0.0326
3051	480477.18	3851037.04	0.55283	0.73116	0.63235	0.79187	1.04E-03	6.4E-05	0.01373	8.8E-07	0.01484	1.27E-03	7.86E-05	0.016913	4.95E-07	1.83E-02	0.001122	6.05E-05	0.032206	5.12E-07	0.033389
3052	480622.06	3851087.39	0.5487	0.73981	0.62401	0.88173	1.03E-03	6.5E-05	0.01355	9.9E-07	0.01465	1.26E-03	7.95E-05	0.01669	5.51E-07	1.80E-02	0.001114	6.12E-05	0.031781	5.7E-07	0.032957
3053	480672.06	3851087.39	0.54888	0.73717	0.62797	0.89722	1.03E-03	6.5E-05	0.01364	1E-06	0.01473	1.26E-03	7.92E-05	0.016795	5.61E-07	1.81E-02	0.001114	6.1E-05	0.031983	5.8E-07	0.033159
3054	480622.06	3851137.39	0.54732	0.74275	0.64329	0.85761	1.03E-03	6.5E-05	0.01397	9.6E-07	0.01506	1.26E-03	7.98E-05	0.017205	5.36E-07	1.85E-02	0.001111	6.14E-05	0.032763	5.54E-07	0.033936
3055	480672.06	3851137.39	0.55083	0.74841	0.63092	0.89372	1.04E-03	6.6E-05	0.0137	1E-06	0.0148	1.27E-03	8.05E-05	0.016874	5.59E-07	1.82E-02	0.001118	6.19E-05	0.032133	5.77E-07	0.033314
3056	480722.06	3851137.39	0.55127	0.74722	0.63356	0.9125	1.04E-03	6.6E-05	0.01376	1E-06	0.01486	1.27E-03	8.03E-05	0.016945	5.71E-07	1.83E-02	0.001119	6.18E-05	0.032268	5.89E-07	0.033449
3057	480622.06	3851187.39	0.57604	0.76001	0.6545	0.81425	1.08E-03	6.7E-05	0.01421	9.1E-07	0.01536	1.33E-03	8.17E-05	0.017505	5.09E-07	1.89E-02	0.00117	6.29E-05	0.033334	5.26E-07	0.034567
3058	480672.06	3851187.39	0.55145	0.75232	0.65077	0.87118	1.04E-03	6.6E-05	0.01413	9.7E-07	0.01524	1.27E-03	8.09E-05	0.017405	5.45E-07	1.88E-02	0.00112	6.22E-05	0.033144	5.63E-07	0.034327
3059	480722.06	3851187.39	0.55416	0.75668	0.63805	0.90585	1.04E-03	6.6E-05	0.01386	1E-06	0.01496	1.28E-03	8.13E-05	0.017065	5.67E-07	1.84E-02	0.001125	6.26E-05	0.032496	5.85E-07	0.033685
3060	471363.09	3845877.25	0.1248	0.14202	0.15187	0.08631	2.35E-04	1.2E-05	0.0033	9.6E-08	0.00355	2.87E-04	1.53E-05	0.004062	5.4E-08	4.36E-03	0.000253	1.17E-05	0.007735	5.58E-08	0.008
3061	471863.09	3845877.25	0.10502	0.12073	0.13195	0.07636	1.97E-04	1.1E-05	0.00287	8.5E-08	0.00307	2.42E-04	1.3E-05	0.003529	4.78E-08	3.78E-03	0.000213	9.98E-06	0.00672	4.93E-08	0.006944
3062	472363.09	3845877.25	0.14663	0.17962	0.16939	0.10214	2.76E-04	1.6E-05	0.00368	1.1E-07	0.00397	3.38E-04	1.93E-05	0.00453	6.39E-08	4.89E-03	0.000298	1.49E-05	0.008627	6.6E-08	0.00894
3063	472863.09	3845877.25	0.11096	0.13057	0.13448	0.08557	2.09E-04	1.1E-05	0.00292	9.6E-08	0.00314	2.56E-04	1.4E-05	0.003597	5.35E-08	3.87E-03	0.000225	1.08E-05	0.006849	5.53E-08	0.007085
3064	473363.09	3845877.25	0.1074	0.14305	0.13061	0.08791	2.02E-04	1.3E-05	0.00284	9.8E-08	0.00305	2.47E-04	1.54E-05	0.003493	5.5E-08	3.76E-03	0.000218	1.18E-05	0.006652	5.68E-08	0.006882
3065	473863.09	3845877.25	0.12658	0.14588	0.15393	0.10527	2.38E-04	1.3E-05	0.00334	1.2E-07	0.00359	2.91E-04	1.57E-05	0.004117	6.58E-08	4.42E-03	0.000257	1.21E-05	0.00784	6.8E-08	0.008109
3066	474363.09	3845877.25	0.15099	0.17591	0.18547	0.12515	2.84E-04	1.5E-05	0.00403	1.4E-07	0.00433	3.48E-04	1.89E-05	0.004961	7.83E-08	5.33E-03	0.000307	1.45E-05	0.009446	8.08E-08	0.009767
3067	474863.09	3845877.25	0.19054	0.22583	0.21729	0.11031	3.58E-04	2E-05	0.00472	1.2E-07	0.0051	4.39E-04	2.43E-05	0.005812	6.9E-08	6.27E-03	0.000387	1.87E-05	0.011067	7.13E-08	0.011472
3068	475363.09	3845877.25	0.25152	0.28161	0.31647	0.17172	4.73E-04	2.5E-05	0.00687	1.9E-07	0.00737	5.79E-04	3.03E-05	0.008464	1.07E-07	9.07E-03	0.000511	2.33E-05	0.016118	1.11E-07	0.016652
3069	475863.09	3845877.25	0.22649	0.24714	0.29559	0.17796	4.26E-04	2.2E-05	0.00642	2E-07	0.00687	5.22E-04	2.66E-05	0.007906	1.11E-07	8.45E-03	0.00046	2.04E-05	0.015055	1.15E-07	0.015535
3070	476363.09	3845877.25	0.1932	0.22033	0.24488	0.14336	3.63E-04	1.9E-05	0.00532	1.6E-07	0.0057	4.45E-04	2.37E-05	0.006549	8.97E-08	7.02E-03	0.000392	1.82E-05	0.012472	9.26E-08	0.012882
3071	476863.09	3845877.25	0.20234	0.19177	0.25739	0.14653	3.80E-04	1.7E-05	0.00559	1.6E-07	0.00599	4.66E-04	2.06E-05	0.006884	9.16E-08	7.37E-03	0.000411	1.59E-05	0.013109	9.47E-08	0.013536
3072	477363.09	3845877.25	0.1449	0.15367	0.19511	0.10295	2.72E-04	1.3E-05	0.00424	1.2E-07	0.00452	3.34E-04	1.65E-05	0.005218	6.44E-08	5.57E-03	0.000294	1.27E-05	0.009937	6.65E-08	0.010244
3073	477863.09	3845877.25	0.13772	0.12364	0.15697	0.08386	2.59E-04	1.1E-05	0.00341	9.4E-08	0.00368	3.17E-04	1.33E-05	0.004198	5.24E-08	4.53E-03	0.00028	1.02E-05	0.007995	5.42E-08	0.008284
3074	478363.09	3845877.25	0.11647	0.11182	0.16139	0.07814	2.19E-04	9.8E-06	0.0035	8.7E-08	0.00373	2.68E-04	1.2E-05	0.004316	4.89E-08	4.60E-03	0.000236	9.25E-06	0.00822	5.05E-08	0.008465
3075	478863.09	3845877.25	0.10906	0.10456	0.13442	0.07299	2.05E-04	9.2E-06	0.00292	8.2E-08	0.00313	2.51E-04	1.12E-05	0.003595	4.57E-08	3.86E-03	0.000221	8.65E-06	0.006846	4.71E-08	0.007076
3076	479363.09	3845877.25	0.08566	0.11837	0.10495	0.074	1.61E-04	1E-05	0.00228	8.3E-08	0.00245	1.97E-04	1.27E-05	0.002807	4.63E-08	3.02E-03	0.000174	9.79E-06	0.005345	4.78E-08	0.005529
3077	479863.09	3845877.25	0.07722	0.10524	0.09408	0.05637	1.45E-04	9.2E-06	0.00204	6.3E-08	0.0022	1.78E-04	1.13E-05	0.002516	3.53E-08	2.71E-03	0.000157	8.7E-06	0.004792	3.64E-08	0.004957
3078	480363.09	3845877.25	0.06758	0.07435	0.06831	0.05475	1.27E-04	6.5E-06	0.00148	6.1E-08	0.00162	1.56E-04	7.99E-06	0.001827	3.42E-08	1.99E-03	0.000137	6.15E-06	0.003479	3.54E-08	0.003622
3079	480863.09	3845877.25	0.05549	0.07066	0.06242	0.04416	1.04E-04	6.2E-06	0.00136	4.9E-08	0.00147	1.28E-04	7.6E-06	0.001669	2.76E-08	1.80E-03	0.000113	5.84E-06	0.003179	2.85E-08	0.003298
3080	481363.09	3845877.25	0.05409	0.0694	0.06291	0.04898	1.02E-04	6.1E-06	0.00137	5.5E-08	0.00147	1.25E-04	7.46E-06	0.001683	3.06E-08	1.81E-03	0.00011	5.74E-06	0.003204	3.16E-08	0.00332
3081	481863.09	3845877.25	0.05159	0.05175	0.06334	0.04279	9.69E-05	4.5E-06	0.00138	4.8E-08	0.00148	1.19E-04	5.56E-06	0.001694	2.68E-08	1.82E-03	0.000105	4.28E-06	0.003226	2.76E-08	0.003335
3082	482363.09	3845877.25	0.04617	0.04858	0.05367	0.0387	8.68E-05	4.3E-06	0.00117	4.3E-08	0.00126	1.06E-04	5.22E-06	0.001435	2.42E-08	1.55E-03	9.37E-05	4.02E-06	0.002733	2.5E-08	0.002831
3083	482863.09	3845877.25	0.03147	0.05122	0.0353	0.03345	5.91E-05	4.5E-06	0.00077	3.7E-08	0.00083	7.25E-05	5.51E-06	0.000944	2.09E-08	1.02E-03	6.39E-05	4.24E-06	0.001798	2.16E-08	0.001866
3084	483363.09	3845877.25	0.02742	0.03262	0.03096	0.03442	5.15E-05	2.9E-06	0.00067	3.8E-08	0.00073	6.31E-05	3.51E-06	0.000828	2.15E-08	8.95E-04	5.57E-05	2.7E-06	0.001577	2.22E-08	0.001635
3085	483863.09	3845877.25	0.02603	0.04202	0.03172	0.03093	4.89E-05	3.7E-06	0.00069	3.5E-08	0.00074	5.99E-05	4.52E-06	0.000848	1.93E-08	9.13E-04	5.29E-05	3.48E-06	0.001616	2E-08	0.001672
3086	484363.09	3845877.25	0.02794	0.03952	0.03033	0.0281	5.25E-05	3.5E-06	0.00066	3.1E-08	0.00071	6.43E-05	4.25E-06	0.000811	1.76E-08	8.80E-04	5.67E-05	3.27E-06	0.001545	1.82E-08	0.001605
3087	484863.09	3845877.25	0.02612	0.03636	0.03152	0.02791	4.91E-05	3.2E-06	0.00068	3.1E-08	0.00074	6.01E-05	3.91E-06	0.000843	1.75E-08	9.07E-04	5.3E-05	3.01E-06	0.001605	1.8E-08	0.001661
3088	485363.09	3845877.25	0.02895	0.03519	0.03207	0.02663	5.44E-05	3.1E-06	0.0007	3E-08	0.00075	6.67E-05	3.78E-06	0.000858	1.67E-08	9.28E-04	5.88E-05	2.91E-06	0.001633	1.72E-08	0.001695
3089	485863.09	3845877.25	0.03255	0.034	0.03733	0.03637	6.12E-05	3E-06	0.00081	4.1E-08	0.00087	7.50E-05	3.66E-06	0.000998	2.27E-08	1.08E-03	6.61E-05	2.81E-06	0.001901	2.35E-08	0.00197
3090	486363.09	3845877.25	0.03095	0.03305	0.03478	0.03526	5.82E-05	2.9E-06	0.00076	3.9E-08	0.00082	7.13E-05	3.55E-06	0.00093	2.21E-08	1.01E-03	6.28E-05	2.73E-06	0.001771	2.28E-08	0.001837
3091	486863.09	3845877.25	0.02353	0.03112	0.02877	0.03059	4.42E-05	2.7E-06	0.00062	3.4E-08	0.00067	5.42E-05	3.35E-06	0.000769	1.91E-08	8.27E-04	4.78E-05	2.57E-06	0.001465	1.98E-08	0.001516
3092	487363.09	3845877.25	0.02319	0.03458	0.02563	0.02523	4.36E-05	3E-06	0.00056	2.8E-08	0.0006	5.34E-05	3.72E-06	0.000685	1.58E-08	7.43E-04	4.71E-05	2.86E-06	0.001305	1.63E-08	0.001355
3093	487863.09	3845877.25	0.02077	0.03315	0.02423	0.02385	3.90E-05	2.9E-06	0.00053	2.7E-08	0.00057	4.78E-05	3.56E-06	0.000648	1.49E-08	6.99E-04	4.22E-05	2.74E-06	0.001234	1.54E-08	0.001279
3094	488363.09	3845877.25	0.01891	0.02316	0.02261	0.02215	3.55E-05	2E-06	0.00049	2.5E-08	0.00053	4.35E-05	2.49E-06	0.000605	1.39E-08	6.51E-04	3.84E-05	1.92E-06	0.001152	1.43E-08	0.001192
3095	488863.09	3845877.25	0.01931	0.02877	0.02487	0.02355	3.63E-05	2.5E-06	0.00054	2.6E-08	0.00058	4.45E-05	3.09E-06	0.000665	1.47E-08	7.13E-04	3.92E-05	2.38E-06	0.001267	1.52E-08	0.001308
3096	489363.09	3845877.25	0.01797	0.02377	0.02273	0.01995	3.38E-05	2.1E-06	0.00049	2.2E-08	0.00053	4.14E-05	2.56E-06	0.000608	1.25E-08	6.52E-04	3.65E-05	1.97E-06	0.001158	1.29E-08	0.001196
3097	489863.09	3845877.25	0.01683	0.01997	0.01949	0.01857	3.16E-05	1.8E-06	0.00042	2.1E-08	0.00046	3.88E-05	2.15E-06	0.000521	1.16E-08	5.62E-04	3.42E-05	1.65E-06	0.000993	1.2E-08	0.001028
3098	490363.09	3845877.25	0.01424	0.02254	0.01467	0.01827	2.68E-05	2E-06	0.00032	2E-08	0.00035	3.28E-05	2.42E-06	0.000392	1.14E-08	4.28E-04	2.89E-05	1.86E-06	0.000747	1.18E-08	0.000778
3099	490863.09	3845877.25	0.01275	0.0177	0.01353	0.01728	2.40E-05	1.6E-06	0.00029	1.9E-08	0.00032	2.94E-05	1.9E-06	0.000362	1.08E-08	3.93E-04	2.59E-05	1.46E-06	0.000689	1.12E-08	0.000716
3100	491363.09	3845877.25	0.01401	0.02176	0.01299	0.01719	2.63E-05	1.9E-06	0.00028	1.9E-08	0.00031	3.23E-05	2.34E-06	0.000347	1.08E-08	3.82E-04	2.84E-05	1.8E-06	0.000662	1.11E-08	0.000692
3101	491863.09	3845877.25	0.01448	0.02725	0.0154	0.01855	2.72E-05	2.4E-06	0.00033	2.1E-08	0.00036	3.33E-05	2.93E-06	0.000412	1.16E-08	4.48E-04	2.94E-05	2.25E-06	0.000784	1.2E-08	0.000816
3102	492363.09	3845877.25	0.01219	0.01895	0.01351	0.01563	2.29E-05	1.7E-06	0.00029	1.7E-08	0.00032	2.81E-05	2.04E-06	0.000361	9.78E-09	3.91E-04	2.48E-05	1.57E-06	0.000688	1.01E-08	0.000714
3103	492863.09	3845877.25	0.0141	0.01939	0.01708	0.01621	2.65E-05	1.7E-06	0.00037	1.8E-08	0.0004	3.25E-05	2.08E-06	0.000457	1.01E-08	4.91E-04	2.86E-05	1.6E-06	0.00087	1.05E-08	0.0009
3104	493363.09	3845877.25	0.01489	0.02057	0.01921	0.0185	2.80E-05	1.8E-06	0.00042	2.1E-08	0.00045	3.43E-05	2.21E-06	0.000514	1.16E-08	5.50E-04	3.02E-05	1.7E-06	0.000978	1.2E-08	0.00101
3105	493863.09	3845877.25	0.01522	0.02221	0.01972	0.01868	2.86E-05	1.9E-06	0.00043	2.1E-08	0.00046	3.50E-05	2.39E-06	0.000527	1.17E-08	5.65E-04	3.09E-05	1.84E-06	0.001004	1.21E-08	0.001037
3106	494363.09	3845877.25	0.01597	0.02358	0.01997	0.02292	3.00E-05	2.1E-06	0.00043	2.6E-08	0.00047	3.68E-05	2.53E-06	0.000534	1.43E-08	5.73E-04	3.24E-05	1.95E-06	0.001017	1.48E-08	0.001051
3107	494863.09	3845877.25	0.01654	0.02226	0.02159	0.02302	3.11E-05	2E-06	0.00047	2.6E-08	0.0005	3.81E-05	2.39E-06	0.000577	1.44E-08	6.18E-04	3.36E-05	1.84E-06	0.0011	1.49E-08	0.001135

3108	495363.09	3845877.25	0.01718	0.02314	0.02209	0.02373	3.23E-05	2E-06	0.00048	2.7E-08	0.00051	3.96E-05	2.49E-06	0.000591	1.48E-08	6.33E-04	3.49E-05	1.91E-06	0.001125	1.53E-08	0.001162
3109	495863.09	3845877.25	0.01713	0.02712	0.02263	0.02361	3.22E-05	2.4E-06	0.00049	2.6E-08	0.00053	3.94E-05	2.92E-06	0.000605	1.48E-08	6.48E-04	3.48E-05	2.24E-06	0.001153	1.53E-08	0.00119
3110	496363.09	3845877.25	0.01642	0.02973	0.02203	0.02378	3.09E-05	2.6E-06	0.00048	2.7E-08	0.00051	3.78E-05	3.2E-06	0.000589	1.49E-08	6.30E-04	3.33E-05	2.46E-06	0.001122	1.54E-08	0.001158
3111	496863.09	3845877.25	0.01705	0.03114	0.01985	0.02187	3.20E-05	2.7E-06	0.00043	2.4E-08	0.00047	3.93E-05	3.35E-06	0.000531	1.37E-08	5.74E-04	3.46E-05	2.58E-06	0.001011	1.41E-08	0.001048
3112	497363.09	3845877.25	0.01958	0.02719	0.02002	0.02289	3.68E-05	2.4E-06	0.00043	2.6E-08	0.00047	4.51E-05	2.92E-06	0.000535	1.43E-08	5.83E-04	3.98E-05	2.25E-06	0.00102	1.48E-08	0.001062
3113	497863.09	3845877.25	0.01916	0.02923	0.02229	0.02232	3.60E-05	2.6E-06	0.00048	2.5E-08	0.00052	4.41E-05	3.14E-06	0.000596	1.4E-08	6.43E-04	3.89E-05	2.42E-06	0.001135	1.44E-08	0.001177
3114	498363.09	3845877.25	0.02035	0.0289	0.02315	0.01877	3.82E-05	2.5E-06	0.0005	2.1E-08	0.00054	4.69E-05	3.11E-06	0.000619	1.17E-08	6.69E-04	4.13E-05	2.39E-06	0.001179	1.21E-08	0.001223
3115	471363.09	3846377.25	0.19439	0.22629	0.21346	0.20336	3.65E-04	2E-05	0.00464	2.3E-07	0.00502	4.48E-04	2.43E-05	0.005709	1.27E-07	6.18E-03	0.000395	1.87E-05	0.010872	1.31E-07	0.011285
3116	471863.09	3846377.25	0.20151	0.24311	0.20771	0.1739	3.79E-04	2.1E-05	0.00451	1.9E-07	0.00491	4.64E-04	2.61E-05	0.005555	1.09E-07	6.05E-03	0.000409	2.01E-05	0.010579	1.12E-07	0.011008
3117	472363.09	3846377.25	0.10402	0.12734	0.11407	0.08376	1.95E-04	1.1E-05	0.00248	9.4E-08	0.00268	2.40E-04	1.37E-05	0.003051	5.24E-08	3.30E-03	0.000211	1.05E-05	0.00581	5.41E-08	0.006031
3118	472863.09	3846377.25	0.11035	0.13272	0.12335	0.0916	2.07E-04	1.2E-05	0.00268	1E-07	0.0029	2.54E-04	1.43E-05	0.003299	5.73E-08	3.57E-03	0.000224	1.1E-05	0.006282	5.92E-08	0.006517
3119	473363.09	3846377.25	0.14004	0.16527	0.16345	0.1083	2.63E-04	1.4E-05	0.00355	1.2E-07	0.00383	3.22E-04	1.78E-05	0.004372	6.77E-08	4.71E-03	0.000284	1.37E-05	0.008325	7E-08	0.008623
3120	473863.09	3846377.25	0.14436	0.16923	0.16338	0.11716	2.71E-04	1.5E-05	0.00355	1.3E-07	0.00383	3.32E-04	1.82E-05	0.00437	7.33E-08	4.72E-03	0.000293	1.4E-05	0.008321	7.57E-08	0.008628
3121	474363.09	3846377.25	0.15241	0.18391	0.18119	0.1324	2.86E-04	1.6E-05	0.00393	1.5E-07	0.00424	3.51E-04	1.98E-05	0.004846	8.28E-08	5.22E-03	0.000309	1.52E-05	0.009228	8.55E-08	0.009553
3122	474863.09	3846377.25	0.18115	0.21904	0.21367	0.15546	3.40E-04	1.9E-05	0.00464	1.7E-07	0.005	4.17E-04	2.35E-05	0.005715	9.72E-08	6.16E-03	0.000368	1.81E-05	0.010882	1E-07	0.011268
3123	475363.09	3846377.25	0.22384	0.26719	0.2489	0.13616	4.21E-04	2.3E-05	0.00541	1.5E-07	0.00585	5.15E-04	2.87E-05	0.006657	8.52E-08	7.20E-03	0.000454	2.21E-05	0.012677	8.8E-08	0.013153
3124	475863.09	3846377.25	0.29285	0.32519	0.36231	0.20137	5.50E-04	2.9E-05	0.00787	2.2E-07	0.00845	6.74E-04	3.5E-05	0.00969	1.26E-07	1.04E-02	0.000595	2.69E-05	0.018453	1.3E-07	0.019074
3125	476363.09	3846377.25	0.2433	0.27076	0.31757	0.19525	4.57E-04	2.4E-05	0.0069	2.2E-07	0.00738	5.60E-04	2.91E-05	0.008494	1.22E-07	9.08E-03	0.000494	2.24E-05	0.016174	1.26E-07	0.016691
3126	476863.09	3846377.25	0.21103	0.24818	0.25938	0.15338	3.97E-04	2.2E-05	0.00563	1.7E-07	0.00605	4.86E-04	2.67E-05	0.006937	9.59E-08	7.45E-03	0.000428	2.05E-05	0.01321	9.91E-08	0.013659
3127	477363.09	3846377.25	0.22364	0.2027	0.29151	0.16123	4.20E-04	1.8E-05	0.00633	1.8E-07	0.00677	5.15E-04	2.18E-05	0.007797	1.01E-07	8.33E-03	0.000454	1.68E-05	0.014847	1.04E-07	0.015318
3128	477863.09	3846377.25	0.1533	0.16543	0.17935	0.10923	2.88E-04	1.5E-05	0.00389	1.2E-07	0.0042	3.53E-04	1.78E-05	0.004797	6.83E-08	5.17E-03	0.000311	1.37E-05	0.009134	7.06E-08	0.009459
3129	478363.09	3846377.25	0.16245	0.13298	0.18776	0.09146	3.05E-04	1.2E-05	0.00408	1E-07	0.00439	3.74E-04	1.43E-05	0.005022	5.72E-08	5.41E-03	0.00033	1.1E-05	0.009563	5.91E-08	0.009904
3130	478863.09	3846377.25	0.13074	0.14298	0.17509	0.08281	2.46E-04	1.3E-05	0.0038	9.3E-08	0.00406	3.01E-04	1.54E-05	0.004683	5.18E-08	5.00E-03	0.000265	1.18E-05	0.008917	5.35E-08	0.009195
3131	479363.09	3846377.25	0.12172	0.14012	0.15235	0.09341	2.29E-04	1.2E-05	0.00331	1E-07	0.00355	2.80E-04	1.51E-05	0.004075	5.84E-08	4.37E-03	0.000247	1.16E-05	0.007759	6.03E-08	0.008018
3132	479863.09	3846377.25	0.09042	0.12331	0.11152	0.06908	1.70E-04	1.1E-05	0.00242	7.7E-08	0.0026	2.08E-04	1.33E-05	0.002983	4.32E-08	3.20E-03	0.000184	1.02E-05	0.00568	4.46E-08	0.005874
3133	480363.09	3846377.25	0.08071	0.1136	0.10536	0.06338	1.52E-04	1E-05	0.00229	7.1E-08	0.00245	1.86E-04	1.22E-05	0.002818	3.96E-08	3.02E-03	0.000164	9.39E-06	0.005366	4.09E-08	0.005539
3134	480863.09	3846377.25	0.07078	0.08686	0.07141	0.0602	1.33E-04	7.6E-06	0.00155	6.7E-08	0.00169	1.63E-04	9.34E-06	0.00191	3.77E-08	2.08E-03	0.000144	7.18E-06	0.003637	3.89E-08	0.003788
3135	481363.09	3846377.25	0.0661	0.07853	0.06671	0.05203	1.24E-04	6.9E-06	0.00145	5.8E-08	0.00158	1.52E-04	8.44E-06	0.001784	3.25E-08	1.94E-03	0.000134	6.49E-06	0.003398	3.36E-08	0.003538
3136	481863.09	3846377.25	0.05706	0.06161	0.07014	0.0486	1.07E-04	5.4E-06	0.00152	5.4E-08	0.00164	1.31E-04	6.62E-06	0.001876	3.04E-08	2.01E-03	0.000116	5.1E-06	0.003572	3.14E-08	0.003693
3137	482363.09	3846377.25	0.05128	0.04948	0.06057	0.04346	9.64E-05	4.3E-06	0.00132	4.9E-08	0.00142	1.18E-04	5.32E-06	0.00162	2.72E-08	1.74E-03	0.000104	4.09E-06	0.003085	2.81E-08	0.003193
3138	482863.09	3846377.25	0.04155	0.05882	0.04188	0.03727	7.81E-05	5.2E-06	0.00091	4.2E-08	0.00099	9.57E-05	6.32E-06	0.00112	2.33E-08	1.22E-03	8.44E-05	4.86E-06	0.002133	2.41E-08	0.002222
3139	483363.09	3846377.25	0.03911	0.05668	0.04537	0.03811	7.35E-05	5E-06	0.00099	4.3E-08	0.00106	9.01E-05	6.09E-06	0.001213	2.38E-08	1.31E-03	7.94E-05	4.69E-06	0.002311	2.46E-08	0.002395
3140	483863.09	3846377.25	0.03061	0.05101	0.0349	0.03411	5.75E-05	4.5E-06	0.00076	3.8E-08	0.00082	7.05E-05	5.48E-06	0.000933	2.13E-08	1.01E-03	6.21E-05	4.22E-06	0.001777	2.2E-08	0.001844
3141	484363.09	3846377.25	0.0299	0.04316	0.03141	0.02902	5.62E-05	3.8E-06	0.00068	3.2E-08	0.00074	6.89E-05	4.64E-06	0.00084	1.82E-08	9.14E-04	6.07E-05	3.57E-06	0.0016	1.87E-08	0.001664
3142	484863.09	3846377.25	0.03005	0.03974	0.03741	0.03076	5.65E-05	3.5E-06	0.00081	3.4E-08	0.00087	6.92E-05	4.27E-06	0.001001	1.92E-08	1.07E-03	6.1E-05	3.29E-06	0.001905	1.99E-08	0.00197
3143	485363.09	3846377.25	0.03374	0.04732	0.03832	0.02991	6.34E-05	4.2E-06	0.00083	3.3E-08	0.0009	7.77E-05	5.09E-06	0.001025	1.87E-08	1.11E-03	6.85E-05	3.91E-06	0.001952	1.93E-08	0.002024
3144	485863.09	3846377.25	0.03604	0.03965	0.04226	0.03915	6.77E-05	3.5E-06	0.00092	4.4E-08	0.00099	8.30E-05	4.26E-06	0.00113	2.45E-08	1.22E-03	7.32E-05	3.28E-06	0.002152	2.53E-08	0.002229
3145	486363.09	3846377.25	0.0308	0.0319	0.03321	0.03444	5.79E-05	2.8E-06	0.00072	3.8E-08	0.00078	7.09E-05	3.43E-06	0.000888	2.15E-08	9.63E-04	6.25E-05	2.64E-06	0.001691	2.22E-08	0.001757
3146	486863.09	3846377.25	0.02554	0.02954	0.02908	0.03222	4.80E-05	2.6E-06	0.00063	3.6E-08	0.00068	5.88E-05	3.18E-06	0.000778	2.02E-08	8.40E-04	5.19E-05	2.44E-06	0.001481	2.08E-08	0.001535
3147	487363.09	3846377.25	0.02487	0.03985	0.02838	0.02566	4.67E-05	3.5E-06	0.00062	2.9E-08	0.00067	5.73E-05	4.28E-06	0.000759	1.6E-08	8.21E-04	5.05E-05	3.3E-06	0.001445	1.66E-08	0.001499
3148	487863.09	3846377.25	0.02537	0.03631	0.02969	0.0279	4.77E-05	3.2E-06	0.00064	3.1E-08	0.0007	5.84E-05	3.9E-06	0.000794	1.74E-08	8.56E-04	5.15E-05	3E-06	0.001512	1.8E-08	0.001567
3149	488363.09	3846377.25	0.02371	0.03198	0.02733	0.02606	4.46E-05	2.8E-06	0.00059	2.9E-08	0.00064	5.46E-05	3.44E-06	0.000731	1.63E-08	7.89E-04	4.81E-05	2.64E-06	0.001392	1.68E-08	0.001443
3150	488863.09	3846377.25	0.02059	0.0334	0.02573	0.02788	3.87E-05	2.9E-06	0.00056	3.1E-08	0.0006	4.74E-05	3.59E-06	0.000688	1.74E-08	7.39E-04	4.18E-05	2.76E-06	0.00131	1.8E-08	0.001355
3151	489363.09	3846377.25	0.01937	0.02484	0.02401	0.02246	3.64E-05	2.2E-06	0.00052	2.5E-08	0.00056	4.46E-05	2.67E-06	0.000642	1.4E-08	6.89E-04	3.93E-05	2.05E-06	0.001223	1.45E-08	0.001264
3152	489863.09	3846377.25	0.01829	0.02827	0.02105	0.01848	3.44E-05	2.5E-06	0.00046	2.1E-08	0.00049	4.21E-05	3.04E-06	0.000563	1.16E-08	6.08E-04	3.71E-05	2.34E-06	0.001072	1.19E-08	0.001112
3153	490363.09	3846377.25	0.01378	0.02388	0.01406	0.01815	2.59E-05	2.1E-06	0.00031	2E-08	0.00033	3.17E-05	2.57E-06	0.000376	1.14E-08	4.10E-04	2.8E-05	1.97E-06	0.000716	1.17E-08	0.000746
3154	490863.09	3846377.25	0.01567	0.02095	0.01425	0.01733	2.94E-05	1.8E-06	0.00031	1.9E-08	0.00034	3.61E-05	2.25E-06	0.000381	1.08E-08	4.19E-04	3.18E-05	1.73E-06	0.000726	1.12E-08	0.000759
3155	491363.09	3846377.25	0.01498	0.0271	0.01274	0.01716	2.82E-05	2.4E-06	0.00028	1.9E-08	0.00031	3.45E-05	2.91E-06	0.000341	1.07E-08	3.78E-04	3.04E-05	2.24E-06	0.000649	1.11E-08	0.000682
3156	491863.09	3846377.25	0.01597	0.02559	0.01728	0.01849	3.00E-05	2.2E-06	0.00038	2.1E-08	0.00041	3.68E-05	2.75E-06	0.000462	1.16E-08	5.02E-04	3.24E-05	2.12E-06	0.00088	1.19E-08	0.000915
3157	492363.09	3846377.25	0.01431	0.01829	0.01731	0.01539	2.69E-05	1.6E-06	0.00038	1.7E-08	0.0004	3.30E-05	1.97E-06	0.000463	9.63E-09	4.98E-04	2.91E-05	1.51E-06	0.000882	9.94E-09	0.000912
3158	492863.09	3846377.25	0.01499	0.02129	0.01807	0.01809	2.82E-05	1.9E-06	0.00039	2E-08	0.00042	3.45E-05	2.29E-06	0.000483	1.13E-08	5.20E-04	3.04E-05	1.76E-06	0.00092	1.17E-08	0.000953
3159	493363.09	3846377.25	0.01553	0.02375	0.01986	0.01861	2.92E-05	2.1E-06	0.00043	2.1E-08	0.00046	3.58E-05	2.55E-06	0.000531	1.16E-08	5.69E-04	3.15E-05	1.96E-06	0.001011	1.2E-08	0.001045
3160	493863.09	3846377.25	0.01621	0.02336	0.02037	0.02343	3.05E-05	2E-06	0.00044	2.6E-08	0.00047	3.73E-05	2.51E-06	0.000545	1.47E-08	5.85E-04	3.29E-05	1.93E-06	0.001037	1.51E-08	0.001072
3161	494363.09	3846377.25	0.01687	0.02428	0.02199	0.02312	3.17E-05	2.1E-06	0.00048	2.6E-08	0.00051	3.88E-05	2.61E-06	0.000588	1.45E-08	6.30E-04	3.43E-05	2.01E-06	0.00112	1.49E-08	0.001156
3162	494863.09	3846377.25	0.01791	0.02346	0.02344	0.02406	3.37E-05	2.1E-06	0.00051	2.7E-08	0.00054	4.12E-05	2.52E-06	0.000627	1.5E-08	6.71E-04	3.64E-05	1.94E-06	0.001194	1.55E-08	0.001232
3163	495363.09	3846377.25	0.01749	0.02464	0.02359	0.02385	3.29E-05	2.2E-06	0.00051	2.7E-08	0.00055	4.03E-05	2.65E-06	0.000631	1.49E-08	6.74E-04	3.55E-05	2.04E-06	0.001201	1.54E-08	0.001239
3164	495863.09	3846377.25	0.01663	0.02984	0.02227	0.02403	3.13E-05	2.6E-06	0.00048	2.7E-08	0.00052	3.83E-05	3.21E-06	0.000596	1.5E-08	6.37E-04	3.38E-05	2.47E-06	0.001134	1.55E-08	0.00117
3165	496363.09	3846377.25	0.01862	0.03317	0.02052	0.02365	3.50E-05	2.9E-06	0.00045	2.6E-08	0.00048	4.29E-05	3.57E-06	0.000549	1.48E-08	5.95E-04	3.78E-05	2.74E-06	0.001045	1.53E-08	0.001086
3166	496863.09	3846377.25	0.02182	0.03221	0.02244	0.0232	4.10E-05	2.8E-06	0.00049	2.6E-08	0.00053	5.02E-05	3.46E-06	0.0006	1.45E-08	6.54E-04	4.43E-05	2.66E-06	0.001143	1.5E-08	0.00119
3167	497363.09	3846377.25	0.02081	0.03097	0.02411	0.02247	3.91E-05	2.7E-06	0.00052	2.5E-08	0.00057	4.79E-05	3.33E-06	0.000645	1.41E-08	6.96E-04	4.23E-05	2.56E-06	0.001228	1.45E-08	0.001273
3168	497863.09	3846377.25	0.02273	0.03302	0.02474	0.02024	4.27E-05	2.9E-06	0.00054	2.3E-08	0.00058	5.23E-05	3.55E-06	0.000662	1.27E-08	7.18E-04	4.62E-05	2.73E-06	0.00126	1.31E-08	0.001309

3169	498363.09	3846377.25	0.02198	0.03436	0.0257	0.02268	4.13E-05	3E-06	0.00056	2.5E-08	0.0006	5.06E-05	3.69E-06	0.000687	1.42E-08	7.42E-04	4.46E-05	2.84E-06	0.001309	1.47E-08	0.001356
3170	471363.09	3846877.25	0.23877	0.28626	0.26975	0.2618	4.49E-04	2.5E-05	0.00586	2.9E-07	0.00633	5.50E-04	3.08E-05	0.007215	1.64E-07	7.80E-03	0.000485	2.37E-05	0.013739	1.69E-07	0.014247
3171	471863.09	3846877.25	0.20398	0.24248	0.23462	0.21186	3.83E-04	2.1E-05	0.0051	2.4E-07	0.0055	4.70E-04	2.61E-05	0.006275	1.33E-07	6.77E-03	0.000414	2.01E-05	0.011949	1.37E-07	0.012384
3172	472363.09	3846877.25	0.20856	0.24874	0.21783	0.19738	3.92E-04	2.2E-05	0.00473	2.2E-07	0.00514	4.80E-04	2.67E-05	0.005826	1.23E-07	6.33E-03	0.000423	2.06E-05	0.011094	1.28E-07	0.011538
3173	472863.09	3846877.25	0.12431	0.14214	0.15396	0.088	2.34E-04	1.2E-05	0.00334	9.8E-08	0.00359	2.86E-04	1.53E-05	0.004118	5.5E-08	4.42E-03	0.000252	1.18E-05	0.007841	5.68E-08	0.008105
3174	473363.09	3846877.25	0.11924	0.13436	0.14239	0.10543	2.24E-04	1.2E-05	0.00309	1.2E-07	0.00333	2.75E-04	1.44E-05	0.003808	6.59E-08	4.10E-03	0.000242	1.11E-05	0.007252	6.81E-08	0.007505
3175	473863.09	3846877.25	0.17472	0.19352	0.21131	0.15336	3.28E-04	1.7E-05	0.00459	1.7E-07	0.00493	4.02E-04	2.08E-05	0.005652	9.59E-08	6.07E-03	0.000355	1.6E-05	0.010762	9.91E-08	0.011133
3176	474363.09	3846877.25	0.16538	0.19159	0.1924	0.14817	3.11E-04	1.7E-05	0.00418	1.7E-07	0.00451	3.81E-04	2.06E-05	0.005146	9.27E-08	5.55E-03	0.000336	1.58E-05	0.009799	9.57E-08	0.010151
3177	474863.09	3846877.25	0.17404	0.20007	0.2225	0.1572	3.27E-04	1.8E-05	0.00483	1.8E-07	0.00518	4.01E-04	2.15E-05	0.005951	9.83E-08	6.37E-03	0.000353	1.65E-05	0.011332	1.02E-07	0.011702
3178	475363.09	3846877.25	0.19801	0.23785	0.24139	0.15286	3.72E-04	2.1E-05	0.00524	1.7E-07	0.00564	4.56E-04	2.56E-05	0.006456	9.56E-08	6.94E-03	0.000402	1.97E-05	0.012294	9.87E-08	0.012716
3179	475863.09	3846877.25	0.24416	0.29333	0.28681	0.159	4.59E-04	2.6E-05	0.00623	1.8E-07	0.00671	5.62E-04	3.15E-05	0.007671	9.94E-08	8.26E-03	0.000496	2.43E-05	0.014607	1.03E-07	0.015127
3180	476363.09	3846877.25	0.31651	0.35084	0.39209	0.21428	5.95E-04	3.1E-05	0.00851	2.4E-07	0.00914	7.29E-04	3.77E-05	0.010487	1.34E-07	1.13E-02	0.000643	2.9E-05	0.019969	1.38E-07	0.020641
3181	476863.09	3846877.25	0.26653	0.30091	0.33907	0.20814	5.01E-04	2.6E-05	0.00736	2.3E-07	0.00789	6.14E-04	3.23E-05	0.009069	1.3E-07	9.71E-03	0.000541	2.49E-05	0.017269	1.34E-07	0.017835
3182	477363.09	3846877.25	0.24029	0.27765	0.29671	0.16672	4.52E-04	2.4E-05	0.00644	1.9E-07	0.00692	5.53E-04	2.98E-05	0.007936	1.04E-07	8.52E-03	0.000488	2.3E-05	0.015112	1.08E-07	0.015623
3183	477863.09	3846877.25	0.23731	0.20484	0.30552	0.16902	4.46E-04	1.8E-05	0.00663	1.9E-07	0.0071	5.46E-04	2.2E-05	0.008171	1.06E-07	8.74E-03	0.000482	1.69E-05	0.01556	1.09E-07	0.016059
3184	478363.09	3846877.25	0.1674	0.20713	0.19981	0.11793	3.15E-04	1.8E-05	0.00434	1.3E-07	0.00467	3.85E-04	2.23E-05	0.005344	7.38E-08	5.75E-03	0.00034	1.71E-05	0.010176	7.62E-08	0.010534
3185	478863.09	3846877.25	0.19102	0.17295	0.25836	0.10982	3.59E-04	1.5E-05	0.00561	1.2E-07	0.00598	4.40E-04	1.86E-05	0.00691	6.87E-08	7.37E-03	0.000388	1.43E-05	0.013158	7.09E-08	0.013561
3186	479363.09	3846877.25	0.15476	0.15787	0.19578	0.08925	2.91E-04	1.4E-05	0.00425	1E-07	0.00456	3.56E-04	1.7E-05	0.005236	5.58E-08	5.61E-03	0.000314	1.31E-05	0.009971	5.77E-08	0.010299
3187	479863.09	3846877.25	0.1081	0.12593	0.10908	0.08974	2.03E-04	1.1E-05	0.00237	1E-07	0.00258	2.49E-04	1.35E-05	0.002917	5.61E-08	3.18E-03	0.000219	1.04E-05	0.005556	5.8E-08	0.005785
3188	480363.09	3846877.25	0.0711	0.08529	0.09055	0.05643	1.34E-04	7.5E-06	0.00197	6.3E-08	0.00211	1.64E-04	9.17E-06	0.002422	3.53E-08	2.59E-03	0.000144	7.05E-06	0.004612	3.65E-08	0.004763
3189	480863.09	3846877.25	0.06629	0.07317	0.07581	0.05385	1.25E-04	6.4E-06	0.00165	6E-08	0.00178	1.53E-04	7.87E-06	0.002028	3.37E-08	2.19E-03	0.000135	6.05E-06	0.003861	3.48E-08	0.004002
3190	481363.09	3846877.25	0.06157	0.0884	0.07142	0.04812	1.16E-04	7.8E-06	0.00155	5.4E-08	0.00167	1.42E-04	9.5E-06	0.00191	3.01E-08	2.06E-03	0.000125	7.31E-06	0.003637	3.11E-08	0.00377
3191	481863.09	3846877.25	0.06048	0.07017	0.075	0.0576	1.14E-04	6.2E-06	0.00163	6.4E-08	0.00175	1.39E-04	7.54E-06	0.002006	3.6E-08	2.15E-03	0.000123	5.8E-06	0.00382	3.72E-08	0.003948
3192	482363.09	3846877.25	0.05575	0.05219	0.0664	0.0454	1.05E-04	4.6E-06	0.00144	5.1E-08	0.00155	1.28E-04	5.61E-06	0.001776	2.84E-08	1.91E-03	0.000113	4.32E-06	0.003382	2.93E-08	0.003499
3193	482863.09	3846877.25	0.05033	0.05626	0.06	0.0422	9.46E-05	4.9E-06	0.0013	4.7E-08	0.0014	1.16E-04	6.05E-06	0.001605	2.64E-08	1.73E-03	0.000102	4.65E-06	0.003056	2.73E-08	0.003163
3194	483363.09	3846877.25	0.04688	0.0655	0.0549	0.03741	8.81E-05	5.7E-06	0.00119	4.2E-08	0.00129	1.08E-04	7.04E-06	0.001468	2.34E-08	1.58E-03	9.52E-05	5.42E-06	0.002796	2.42E-08	0.002897
3195	483863.09	3846877.25	0.03731	0.0584	0.04395	0.03831	7.01E-05	5.1E-06	0.00095	4.3E-08	0.00103	8.59E-05	6.28E-06	0.001175	2.4E-08	1.27E-03	7.58E-05	4.83E-06	0.002238	2.47E-08	0.002319
3196	484363.09	3846877.25	0.03468	0.06516	0.03824	0.03296	6.52E-05	5.7E-06	0.00083	3.7E-08	0.0009	7.99E-05	7E-06	0.001023	2.06E-08	1.11E-03	7.04E-05	5.39E-06	0.001948	2.13E-08	0.002023
3197	484863.09	3846877.25	0.0335	0.0426	0.04016	0.03251	6.30E-05	3.7E-06	0.00087	3.6E-08	0.00094	7.71E-05	4.58E-06	0.001074	2.03E-08	1.16E-03	6.8E-05	3.52E-06	0.002045	2.1E-08	0.002117
3198	485363.09	3846877.25	0.03704	0.05138	0.04115	0.03427	6.96E-05	4.5E-06	0.00089	3.8E-08	0.00097	8.53E-05	5.52E-06	0.001101	2.14E-08	1.19E-03	7.52E-05	4.25E-06	0.002096	2.21E-08	0.002175
3199	485863.09	3846877.25	0.03967	0.04369	0.04738	0.04135	7.45E-05	3.8E-06	0.00103	4.6E-08	0.00111	9.14E-05	4.7E-06	0.001267	2.59E-08	1.36E-03	8.05E-05	3.61E-06	0.002413	2.67E-08	0.002497
3200	486363.09	3846877.25	0.03858	0.04183	0.04188	0.04349	7.25E-05	3.7E-06	0.00091	4.9E-08	0.00099	8.88E-05	4.5E-06	0.00112	2.72E-08	1.21E-03	7.83E-05	3.46E-06	0.002133	2.81E-08	0.002215
3201	486863.09	3846877.25	0.03156	0.0463	0.03719	0.03838	5.93E-05	4.1E-06	0.00081	4.3E-08	0.00087	7.27E-05	4.98E-06	0.000995	2.4E-08	1.07E-03	6.41E-05	3.83E-06	0.001894	2.48E-08	0.001962
3202	487363.09	3846877.25	0.02985	0.05537	0.03535	0.03363	5.61E-05	4.9E-06	0.00077	3.8E-08	0.00083	6.87E-05	5.95E-06	0.000945	2.1E-08	1.02E-03	6.06E-05	4.58E-06	0.0018	2.17E-08	0.001866
3203	487863.09	3846877.25	0.02817	0.04107	0.03324	0.02969	5.29E-05	3.6E-06	0.00072	3.3E-08	0.00078	6.49E-05	4.42E-06	0.000889	1.86E-08	9.58E-04	5.72E-05	3.4E-06	0.001693	1.92E-08	0.001754
3204	488363.09	3846877.25	0.02553	0.04137	0.0289	0.02812	4.80E-05	3.6E-06	0.00063	3.1E-08	0.00068	5.88E-05	4.45E-06	0.000773	1.76E-08	8.36E-04	5.18E-05	3.42E-06	0.001472	1.82E-08	0.001527
3205	488863.09	3846877.25	0.02235	0.0362	0.0271	0.02835	4.20E-05	3.2E-06	0.00059	3.2E-08	0.00063	5.15E-05	3.89E-06	0.000725	1.77E-08	7.80E-04	4.54E-05	2.99E-06	0.00138	1.83E-08	0.001429
3206	489363.09	3846877.25	0.02048	0.0251	0.02754	0.0248	3.85E-05	2.2E-06	0.0006	2.8E-08	0.00064	4.72E-05	2.7E-06	0.000737	1.55E-08	7.86E-04	4.16E-05	2.08E-06	0.001403	1.6E-08	0.001446
3207	489863.09	3846877.25	0.01964	0.02874	0.02573	0.0211	3.69E-05	2.5E-06	0.00056	2.4E-08	0.0006	4.52E-05	3.09E-06	0.000688	1.32E-08	7.36E-04	3.99E-05	2.38E-06	0.00131	1.36E-08	0.001353
3208	490363.09	3846877.25	0.01674	0.03354	0.01855	0.01823	3.15E-05	2.9E-06	0.0004	2E-08	0.00044	3.85E-05	3.61E-06	0.000496	1.14E-08	5.38E-04	3.4E-05	2.77E-06	0.000945	1.18E-08	0.000982
3209	490863.09	3846877.25	0.01788	0.03124	0.01732	0.02135	3.36E-05	2.7E-06	0.00038	2.4E-08	0.00041	4.12E-05	3.36E-06	0.000463	1.34E-08	5.08E-04	3.63E-05	2.58E-06	0.000882	1.38E-08	0.000921
3210	491363.09	3846877.25	0.01696	0.02726	0.01796	0.02122	3.19E-05	2.4E-06	0.00039	2.4E-08	0.00042	3.91E-05	2.93E-06	0.00048	1.33E-08	5.22E-04	3.44E-05	2.25E-06	0.000915	1.37E-08	0.000951
3211	491863.09	3846877.25	0.01483	0.02079	0.01869	0.01686	2.79E-05	1.8E-06	0.00041	1.9E-08	0.00044	3.42E-05	2.23E-06	0.0005	1.05E-08	5.36E-04	3.01E-05	1.72E-06	0.000952	1.09E-08	0.000984
3212	492363.09	3846877.25	0.01589	0.02704	0.01998	0.02028	2.99E-05	2.4E-06	0.00043	2.3E-08	0.00047	3.66E-05	2.91E-06	0.000534	1.27E-08	5.74E-04	3.23E-05	2.24E-06	0.001018	1.31E-08	0.001052
3213	492863.09	3846877.25	0.01591	0.029	0.02001	0.02003	2.99E-05	2.5E-06	0.00043	2.2E-08	0.00047	3.66E-05	3.12E-06	0.000535	1.25E-08	5.75E-04	3.23E-05	2.4E-06	0.001019	1.29E-08	0.001054
3214	493363.09	3846877.25	0.01676	0.02506	0.02079	0.02418	3.15E-05	2.2E-06	0.00045	2.7E-08	0.00049	3.86E-05	2.69E-06	0.000556	1.51E-08	5.97E-04	3.4E-05	2.07E-06	0.001059	1.56E-08	0.001095
3215	493863.09	3846877.25	0.01724	0.02469	0.02226	0.0244	3.24E-05	2.2E-06	0.00048	2.7E-08	0.00052	3.97E-05	2.65E-06	0.000595	1.53E-08	6.38E-04	3.5E-05	2.04E-06	0.001134	1.58E-08	0.001171
3216	494363.09	3846877.25	0.01869	0.02322	0.0226	0.02441	3.51E-05	2E-06	0.00049	2.7E-08	0.00053	4.30E-05	2.5E-06	0.000604	1.53E-08	6.50E-04	3.79E-05	1.92E-06	0.001151	1.58E-08	0.001191
3217	494863.09	3846877.25	0.01761	0.02449	0.02387	0.02467	3.31E-05	2.1E-06	0.00052	2.8E-08	0.00055	4.06E-05	2.63E-06	0.000638	1.54E-08	6.82E-04	3.58E-05	2.03E-06	0.001216	1.59E-08	0.001254
3218	495363.09	3846877.25	0.01722	0.03721	0.02251	0.02391	3.24E-05	3.3E-06	0.00049	2.7E-08	0.00052	3.97E-05	4E-06	0.000602	1.5E-08	6.46E-04	3.5E-05	3.08E-06	0.001146	1.54E-08	0.001185
3219	495863.09	3846877.25	0.01998	0.03285	0.02116	0.02375	3.75E-05	2.9E-06	0.00046	2.7E-08	0.0005	4.60E-05	3.53E-06	0.000566	1.49E-08	6.15E-04	4.06E-05	2.72E-06	0.001078	1.53E-08	0.001121
3220	496363.09	3846877.25	0.02253	0.03204	0.02297	0.02319	4.23E-05	2.8E-06	0.0005	2.6E-08	0.00054	5.19E-05	3.44E-06	0.000614	1.45E-08	6.70E-04	4.57E-05	2.65E-06	0.00117	1.5E-08	0.001218
3221	496863.09	3846877.25	0.02256	0.03169	0.0239	0.02262	4.24E-05	2.8E-06	0.00052	2.5E-08	0.00056	5.20E-05	3.41E-06	0.000639	1.41E-08	6.95E-04	4.58E-05	2.62E-06	0.001217	1.46E-08	0.001266
3222	497363.09	3846877.25	0.02387	0.03751	0.02583	0.02194	4.49E-05	3.3E-06	0.00056	2.5E-08	0.00061	5.50E-05	4.03E-06	0.000691	1.37E-08	7.50E-04	4.85E-05	3.1E-06	0.001316	1.42E-08	0.001367
3223	497863.09	3846877.25	0.02494	0.03734	0.02958	0.02377	4.69E-05	3.3E-06	0.00064	2.7E-08	0.00069	5.74E-05	4.01E-06	0.000791	1.49E-08	8.53E-04	5.06E-05	3.09E-06	0.001507	1.54E-08	0.00156
3224	498363.09	3846877.25	0.02369	0.03226	0.02735	0.02208	4.45E-05	2.8E-06	0.00059	2.5E-08	0.00064	5.46E-05	3.47E-06	0.000731	1.38E-08	7.90E-04	4.81E-05	2.67E-06	0.001393	1.43E-08	0.001444
3225	471363.09	3847377.25	0.19267	0.24442	0.2257	0.20622	3.62E-04	2.1E-05	0.0049	2.3E-07	0.00529	4.44E-04	2.63E-05	0.006036	1.29E-07	6.51E-03	0.000391	2.02E-05	0.011495	1.33E-07	0.011907
3226	471863.09	3847377.25	0.22365	0.28094	0.24515	0.27062	4.20E-04	2.5E-05	0.00532	3E-07	0.00577	5.15E-04	3.02E-05	0.006557	1.69E-07	7.10E-03	0.000454	2.32E-05	0.012486	1.75E-07	0.012963
3227	472363.09	3847377.25	0.22406	0.27881	0.24163	0.24185	4.21E-04	2.4E-05	0.00525	2.7E-07	0.00569	5.16E-04	3E-05	0.006463	1.51E-07	7.01E-03	0.000455	2.31E-05	0.012306	1.56E-07	0.012784
3228	472863.09	3847377.25	0.22375	0.26648	0.25074	0.21967	4.20E-04	2.3E-05	0.00545	2.5E-07	0.00589	5.15E-04	2.86E-05	0.006706	1.37E-07	7.25E-03	0.000454	2.2E-05	0.01277	1.42E-07	0.013247
3229	473363.09	3847377.25	0.20755	0.24681	0.23568	0.14801	3.90E-04	2.2E-05	0.00512	1.7E-07	0.00553	4.78E-04	2.65E-05	0.006303	9.26E-08	6.81E-03	0.000421	2.04E-05	0.012003	9.56E-08	0.012445

3230	473863.09	3847377.25	0.16077	0.1879	0.20152	0.13126	3.02E-04	1.6E-05	0.00438	1.5E-07	0.00469	3.70E-04	2.02E-05	0.00539	8.21E-08	5.78E-03	0.000326	1.55E-05	0.010264	8.48E-08	0.010606
3231	474363.09	3847377.25	0.2234	0.26752	0.26241	0.16598	4.20E-04	2.3E-05	0.0057	1.9E-07	0.00614	5.14E-04	2.88E-05	0.007018	1.04E-07	7.56E-03	0.000454	2.21E-05	0.013365	1.07E-07	0.013841
3232	474863.09	3847377.25	0.1946	0.21938	0.23497	0.16249	3.66E-04	1.9E-05	0.0051	1.8E-07	0.00549	4.48E-04	2.36E-05	0.006284	1.02E-07	6.76E-03	0.000395	1.81E-05	0.011967	1.05E-07	0.012381
3233	475363.09	3847377.25	0.1952	0.22895	0.21476	0.16565	3.67E-04	2E-05	0.00466	1.9E-07	0.00505	4.50E-04	2.46E-05	0.005744	1.04E-07	6.22E-03	0.000396	1.89E-05	0.010938	1.07E-07	0.011353
3234	475863.09	3847377.25	0.24114	0.28029	0.30928	0.19337	4.53E-04	2.5E-05	0.00672	2.2E-07	0.00719	5.55E-04	3.01E-05	0.008272	1.21E-07	8.86E-03	0.00049	2.32E-05	0.015752	1.25E-07	0.016265
3235	476363.09	3847377.25	0.30437	0.35244	0.32634	0.19012	5.72E-04	3.1E-05	0.00709	2.1E-07	0.00769	7.01E-04	3.79E-05	0.008728	1.19E-07	9.47E-03	0.000618	2.91E-05	0.016621	1.23E-07	0.017268
3236	476863.09	3847377.25	0.34761	0.38442	0.43407	0.23927	6.53E-04	3.4E-05	0.00943	2.7E-07	0.01011	8.00E-04	4.13E-05	0.011609	1.5E-07	1.25E-02	0.000706	3.18E-05	0.022107	1.55E-07	0.022845
3237	477363.09	3847377.25	0.30519	0.34369	0.38692	0.23827	5.74E-04	3E-05	0.0084	2.7E-07	0.00901	7.03E-04	3.69E-05	0.010348	1.49E-07	1.11E-02	0.00062	2.84E-05	0.019706	1.54E-07	0.020354
3238	477863.09	3847377.25	0.28007	0.30155	0.34961	0.17692	5.26E-04	2.6E-05	0.00759	2E-07	0.00815	6.45E-04	3.24E-05	0.009351	1.11E-07	1.00E-02	0.000569	2.49E-05	0.017806	1.14E-07	0.0184
3239	478363.09	3847377.25	0.25322	0.24048	0.3229	0.18338	4.76E-04	2.1E-05	0.00701	2E-07	0.00751	5.83E-04	2.59E-05	0.008636	1.15E-07	9.25E-03	0.000514	1.99E-05	0.016445	1.18E-07	0.01698
3240	478863.09	3847377.25	0.20969	0.22363	0.23805	0.13425	3.94E-04	2E-05	0.00517	1.5E-07	0.00558	4.83E-04	2.4E-05	0.006367	8.4E-08	6.87E-03	0.000426	1.85E-05	0.012124	8.67E-08	0.012568
3241	479363.09	3847377.25	0.16684	0.1458	0.22417	0.09674	3.14E-04	1.3E-05	0.00487	1.1E-07	0.00519	3.84E-04	1.57E-05	0.005996	6.05E-08	6.40E-03	0.000339	1.21E-05	0.011417	6.25E-08	0.011768
3242	479863.09	3847377.25	0.10656	0.10121	0.13315	0.07123	2.00E-04	8.9E-06	0.00289	8E-08	0.0031	2.45E-04	1.09E-05	0.003561	4.46E-08	3.82E-03	0.000216	8.37E-06	0.006781	4.6E-08	0.007006
3243	480363.09	3847377.25	0.05458	0.07152	0.06493	0.05289	1.03E-04	6.3E-06	0.00141	5.9E-08	0.00152	1.26E-04	7.69E-06	0.001737	3.31E-08	1.87E-03	0.000111	5.91E-06	0.003307	3.42E-08	0.003424
3244	480863.09	3847377.25	0.04949	0.05296	0.05788	0.04923	9.30E-05	4.6E-06	0.00126	5.5E-08	0.00135	1.14E-04	5.69E-06	0.001548	3.08E-08	1.67E-03	0.0001	4.38E-06	0.002948	3.18E-08	0.003053
3245	481363.09	3847377.25	0.05067	0.07104	0.05227	0.04159	9.52E-05	6.2E-06	0.00114	4.6E-08	0.00124	1.17E-04	7.64E-06	0.001398	2.6E-08	1.52E-03	0.000103	5.87E-06	0.002662	2.69E-08	0.002771
3246	481863.09	3847377.25	0.0692	0.09104	0.07966	0.05309	1.30E-04	8E-06	0.00173	5.9E-08	0.00187	1.59E-04	9.79E-06	0.002131	3.32E-08	2.30E-03	0.000141	7.53E-06	0.004057	3.43E-08	0.004205
3247	482363.09	3847377.25	0.06216	0.06671	0.07468	0.0521	1.17E-04	5.9E-06	0.00162	5.8E-08	0.00174	1.43E-04	7.17E-06	0.001997	3.26E-08	2.15E-03	0.000126	5.52E-06	0.003803	3.37E-08	0.003935
3248	482863.09	3847377.25	0.05994	0.06207	0.07014	0.04849	1.13E-04	5.4E-06	0.00152	5.4E-08	0.00164	1.38E-04	6.67E-06	0.001876	3.03E-08	2.02E-03	0.000122	5.13E-06	0.003572	3.13E-08	0.003699
3249	483363.09	3847377.25	0.0524	0.07134	0.06162	0.04254	9.85E-05	6.3E-06	0.00134	4.8E-08	0.00144	1.21E-04	7.67E-06	0.001648	2.66E-08	1.78E-03	0.000106	5.9E-06	0.003138	2.75E-08	0.003251
3250	483863.09	3847377.25	0.04416	0.07131	0.05303	0.04359	8.30E-05	6.3E-06	0.00115	4.9E-08	0.00124	1.02E-04	7.67E-06	0.001418	2.73E-08	1.53E-03	8.97E-05	5.9E-06	0.002701	2.82E-08	0.002796
3251	484363.09	3847377.25	0.03947	0.07562	0.04746	0.03933	7.42E-05	6.6E-06	0.00103	4.4E-08	0.00111	9.09E-05	8.13E-06	0.001269	2.46E-08	1.37E-03	8.01E-05	6.25E-06	0.002417	2.54E-08	0.002504
3252	484863.09	3847377.25	0.03871	0.05764	0.04912	0.03432	7.27E-05	5.1E-06	0.00107	3.8E-08	0.00114	8.91E-05	6.2E-06	0.001314	2.15E-08	1.41E-03	7.86E-05	4.77E-06	0.002502	2.22E-08	0.002585
3253	485363.09	3847377.25	0.04096	0.05803	0.04524	0.03952	7.70E-05	5.1E-06	0.00098	4.4E-08	0.00106	9.43E-05	6.24E-06	0.00121	2.47E-08	1.31E-03	8.32E-05	4.8E-06	0.002304	2.55E-08	0.002392
3254	485863.09	3847377.25	0.04272	0.04902	0.05385	0.04543	8.03E-05	4.3E-06	0.00117	5.1E-08	0.00125	9.84E-05	5.27E-06	0.00144	2.84E-08	1.54E-03	8.67E-05	4.05E-06	0.002743	2.93E-08	0.002833
3255	486363.09	3847377.25	0.04076	0.05418	0.04653	0.04613	7.66E-05	4.8E-06	0.00101	5.2E-08	0.00109	9.39E-05	5.82E-06	0.001244	2.89E-08	1.34E-03	8.28E-05	4.48E-06	0.00237	2.98E-08	0.002457
3256	486863.09	3847377.25	0.03441	0.05785	0.04089	0.04646	6.47E-05	5.1E-06	0.00089	5.2E-08	0.00096	7.92E-05	6.22E-06	0.001094	2.91E-08	1.18E-03	6.99E-05	4.78E-06	0.002083	3E-08	0.002157
3257	487363.09	3847377.25	0.03441	0.06157	0.04181	0.03766	6.47E-05	5.4E-06	0.00091	4.2E-08	0.00098	7.92E-05	6.62E-06	0.001118	2.36E-08	1.20E-03	6.99E-05	5.09E-06	0.002129	2.43E-08	0.002204
3258	487863.09	3847377.25	0.03113	0.0417	0.0368	0.03844	5.85E-05	3.7E-06	0.0008	4.3E-08	0.00086	7.17E-05	4.48E-06	0.000984	2.4E-08	1.06E-03	6.32E-05	3.45E-06	0.001874	2.48E-08	0.001941
3259	488363.09	3847377.25	0.02767	0.04455	0.03397	0.03583	5.20E-05	3.9E-06	0.00074	4E-08	0.00079	6.37E-05	4.79E-06	0.000909	2.24E-08	9.77E-04	5.62E-05	3.68E-06	0.00173	2.31E-08	0.00179
3260	488863.09	3847377.25	0.02453	0.03355	0.03059	0.02925	4.61E-05	2.9E-06	0.00066	3.3E-08	0.00071	5.65E-05	3.61E-06	0.000818	1.83E-08	8.78E-04	4.98E-05	2.77E-06	0.001558	1.89E-08	0.001611
3261	489363.09	3847377.25	0.02402	0.0305	0.03061	0.02573	4.51E-05	2.7E-06	0.00066	2.9E-08	0.00071	5.53E-05	3.28E-06	0.000819	1.61E-08	8.77E-04	4.88E-05	2.52E-06	0.001559	1.66E-08	0.00161
3262	489863.09	3847377.25	0.0206	0.03491	0.02563	0.02396	3.87E-05	3.1E-06	0.00056	2.7E-08	0.0006	4.74E-05	3.75E-06	0.000685	1.5E-08	7.37E-04	4.18E-05	2.89E-06	0.001305	1.55E-08	0.00135
3263	490363.09	3847377.25	0.02178	0.04358	0.02079	0.02062	4.09E-05	3.8E-06	0.00045	2.3E-08	0.0005	5.02E-05	4.68E-06	0.000556	1.29E-08	6.11E-04	4.42E-05	3.6E-06	0.001059	1.33E-08	0.001107
3264	490863.09	3847377.25	0.02148	0.03318	0.0241	0.02538	4.04E-05	2.9E-06	0.00052	2.8E-08	0.00057	4.95E-05	3.57E-06	0.000645	1.59E-08	6.98E-04	4.36E-05	2.74E-06	0.001227	1.64E-08	0.001274
3265	491363.09	3847377.25	0.02088	0.02998	0.02324	0.02391	3.92E-05	2.6E-06	0.0005	2.7E-08	0.00055	4.81E-05	3.22E-06	0.000622	1.5E-08	6.73E-04	4.24E-05	2.48E-06	0.001184	1.54E-08	0.001229
3266	491863.09	3847377.25	0.02015	0.02885	0.02607	0.02232	3.79E-05	2.5E-06	0.00057	2.5E-08	0.00061	4.64E-05	3.1E-06	0.000697	1.4E-08	7.47E-04	4.09E-05	2.39E-06	0.001328	1.44E-08	0.001371
3267	492363.09	3847377.25	0.0181	0.03093	0.02166	0.02197	3.40E-05	2.7E-06	0.00047	2.5E-08	0.00051	4.17E-05	3.33E-06	0.000579	1.37E-08	6.24E-04	3.67E-05	2.56E-06	0.001103	1.42E-08	0.001142
3268	492863.09	3847377.25	0.01767	0.02698	0.02193	0.02513	3.32E-05	2.4E-06	0.00048	2.8E-08	0.00051	4.07E-05	2.9E-06	0.000587	1.57E-08	6.30E-04	3.59E-05	2.23E-06	0.001117	1.62E-08	0.001155
3269	493363.09	3847377.25	0.01864	0.0299	0.02403	0.02586	3.50E-05	2.6E-06	0.00052	2.9E-08	0.00056	4.29E-05	3.21E-06	0.000643	1.62E-08	6.89E-04	3.78E-05	2.47E-06	0.001224	1.67E-08	0.001264
3270	493863.09	3847377.25	0.01966	0.02394	0.02289	0.02479	3.69E-05	2.1E-06	0.0005	2.8E-08	0.00054	4.53E-05	2.57E-06	0.000612	1.55E-08	6.60E-04	3.99E-05	1.98E-06	0.001166	1.6E-08	0.001208
3271	494363.09	3847377.25	0.01769	0.02583	0.02337	0.02486	3.32E-05	2.3E-06	0.00051	2.8E-08	0.00054	4.07E-05	2.78E-06	0.000625	1.55E-08	6.69E-04	3.59E-05	2.14E-06	0.00119	1.61E-08	0.001228
3272	494863.09	3847377.25	0.01752	0.03479	0.02276	0.02405	3.29E-05	3.1E-06	0.00049	2.7E-08	0.00053	4.03E-05	3.74E-06	0.000609	1.5E-08	6.53E-04	3.56E-05	2.88E-06	0.001159	1.55E-08	0.001198
3273	495363.09	3847377.25	0.02033	0.03238	0.02238	0.02393	3.82E-05	2.8E-06	0.00049	2.7E-08	0.00053	4.68E-05	3.48E-06	0.000599	1.5E-08	6.49E-04	4.13E-05	2.68E-06	0.00114	1.55E-08	0.001184
3274	495863.09	3847377.25	0.02274	0.03039	0.02341	0.02031	4.27E-05	2.7E-06	0.00051	2.3E-08	0.00055	5.24E-05	3.27E-06	0.000626	1.27E-08	6.82E-04	4.62E-05	2.51E-06	0.001192	1.31E-08	0.001241
3275	496363.09	3847377.25	0.02327	0.03136	0.02497	0.01875	4.37E-05	2.8E-06	0.00054	2.1E-08	0.00059	5.36E-05	3.37E-06	0.000668	1.17E-08	7.25E-04	4.72E-05	2.59E-06	0.001272	1.21E-08	0.001322
3276	496863.09	3847377.25	0.02393	0.03343	0.02581	0.02211	4.50E-05	2.9E-06	0.00056	2.5E-08	0.00061	5.51E-05	3.59E-06	0.00069	1.38E-08	7.49E-04	4.86E-05	2.76E-06	0.001315	1.43E-08	0.001366
3277	497363.09	3847377.25	0.02469	0.03545	0.02981	0.02387	4.64E-05	3.1E-06	0.00065	2.7E-08	0.0007	5.69E-05	3.81E-06	0.000797	1.49E-08	8.58E-04	5.01E-05	2.93E-06	0.001518	1.54E-08	0.001571
3278	497863.09	3847377.25	0.02721	0.03424	0.03098	0.02502	5.11E-05	3E-06	0.00067	2.8E-08	0.00073	6.27E-05	3.68E-06	0.000829	1.56E-08	8.95E-04	5.52E-05	2.83E-06	0.001578	1.62E-08	0.001636
3279	498363.09	3847377.25	0.02936	0.03915	0.03251	0.02755	5.52E-05	3.4E-06	0.00071	3.1E-08	0.00076	6.76E-05	4.21E-06	0.00087	1.72E-08	9.41E-04	5.96E-05	3.24E-06	0.001656	1.78E-08	0.001719
3280	471363.09	3847877.25	0.21389	0.27173	0.24497	0.20648	4.02E-04	2.4E-05	0.00532	2.3E-07	0.00575	4.93E-04	2.92E-05	0.006552	1.29E-07	7.07E-03	0.000434	2.25E-05	0.012476	1.33E-07	0.012933
3281	471863.09	3847877.25	0.22227	0.26595	0.24626	0.25934	4.18E-04	2.3E-05	0.00535	2.9E-07	0.00579	5.12E-04	2.86E-05	0.006586	1.62E-07	7.13E-03	0.000451	2.2E-05	0.012542	1.68E-07	0.013016
3282	472363.09	3847877.25	0.21306	0.25187	0.23168	0.24105	4.00E-04	2.2E-05	0.00503	2.7E-07	0.00545	4.91E-04	2.71E-05	0.006196	1.51E-07	6.71E-03	0.000433	2.08E-05	0.0118	1.56E-07	0.012253
3283	472863.09	3847877.25	0.2614	0.31323	0.30464	0.29946	4.91E-04	2.7E-05	0.00662	3.3E-07	0.00713	6.02E-04	3.37E-05	0.008148	1.87E-07	8.78E-03	0.000531	2.59E-05	0.015515	1.93E-07	0.016072
3284	473363.09	3847877.25	0.22867	0.27487	0.2618	0.25841	4.30E-04	2.4E-05	0.00569	2.9E-07	0.00614	5.27E-04	2.95E-05	0.007002	1.62E-07	7.56E-03	0.000464	2.27E-05	0.013334	1.67E-07	0.013821
3285	473863.09	3847877.25	0.24815	0.29687	0.24116	0.22887	4.66E-04	2.6E-05	0.00524	2.6E-07	0.00573	5.71E-04	3.19E-05	0.00645	1.43E-07	7.05E-03	0.000504	2.46E-05	0.012282	1.48E-07	0.012811
3286	474363.09	3847877.25	0.20923	0.24654	0.24554	0.14196	3.93E-04	2.2E-05	0.00533	1.6E-07	0.00575	4.82E-04	2.65E-05	0.006567	8.88E-08	7.08E-03	0.000425	2.04E-05	0.012505	9.17E-08	0.012951
3287	474863.09	3847877.25	0.23401	0.26085	0.24712	0.17589	4.40E-04	2.3E-05	0.00537	2E-07	0.00583	5.39E-04	2.8E-05	0.006609	1.1E-07	7.18E-03	0.000475	2.16E-05	0.012586	1.14E-07	0.013083
3288	475363.09	3847877.25	0.22894	0.27394	0.25469	0.17628	4.30E-04	2.4E-05	0.00553	2E-07	0.00599	5.27E-04	2.94E-05	0.006812	1.1E-07	7.37E-03	0.000465	2.27E-05	0.012972	1.14E-07	0.013459
3289	475863.09	3847877.25	0.20618	0.23599	0.21566	0.1557	3.87E-04	2.1E-05	0.00468	1.7E-07	0.00509	4.75E-04	2.54E-05	0.005768	9.74E-08	6.27E-03	0.000419	1.95E-05	0.010984	1.01E-07	0.011422
3290	476363.09	3847877.25	0.29486	0.34135	0.33078	0.21867	5.54E-04	3E-05	0.00718	2.4E-07	0.00777	6.79E-04	3.67E-05	0.008847	1.37E-07	9.56E-03	0.000599	2.82E-05	0.016847	1.41E-07	0.017474

3291	476863.09	3847877.25	0.33118	0.39754	0.33737	0.23736	6.22E-04	3.5E-05	0.00733	2.7E-07	0.00798	7.63E-04	4.27E-05	0.009023	1.48E-07	9.83E-03	0.000672	3.29E-05	0.017182	1.53E-07	0.017888
3292	477363.09	3847877.25	0.3917	0.43431	0.48685	0.28141	7.36E-04	3.8E-05	0.01057	3.1E-07	0.01135	9.02E-04	4.67E-05	0.013021	1.76E-07	1.40E-02	0.000795	3.59E-05	0.024796	1.82E-07	0.025627
3293	477863.09	3847877.25	0.33266	0.38301	0.42943	0.27003	6.25E-04	3.4E-05	0.00933	3E-07	0.00998	7.66E-04	4.12E-05	0.011485	1.69E-07	1.23E-02	0.000675	3.17E-05	0.021871	1.74E-07	0.022578
3294	478363.09	3847877.25	0.32443	0.33417	0.40898	0.20401	6.10E-04	2.9E-05	0.00888	2.3E-07	0.00952	7.47E-04	3.59E-05	0.010938	1.28E-07	1.17E-02	0.000659	2.76E-05	0.02083	1.32E-07	0.021516
3295	478863.09	3847877.25	0.25798	0.26822	0.33411	0.1947	4.85E-04	2.4E-05	0.00726	2.2E-07	0.00776	5.94E-04	2.88E-05	0.008936	1.22E-07	9.56E-03	0.000524	2.22E-05	0.017016	1.26E-07	0.017563
3296	479363.09	3847877.25	0.15194	0.14607	0.19474	0.09963	2.86E-04	1.3E-05	0.00423	1.1E-07	0.00453	3.50E-04	1.57E-05	0.005208	6.23E-08	5.57E-03	0.000308	1.21E-05	0.009918	6.44E-08	0.010239
3297	479863.09	3847877.25	0.07919	0.07753	0.08558	0.0644	1.49E-04	6.8E-06	0.00186	7.2E-08	0.00201	1.82E-04	8.33E-06	0.002289	4.03E-08	2.48E-03	0.000161	6.41E-06	0.004359	4.16E-08	0.004526
3298	480363.09	3847877.25	0.08129	0.08927	0.09204	0.06191	1.53E-04	7.8E-06	0.002	6.9E-08	0.00216	1.87E-04	9.6E-06	0.002462	3.87E-08	2.66E-03	0.000165	7.38E-06	0.004688	4E-08	0.00486
3299	480863.09	3847877.25	0.05745	0.06114	0.06851	0.05436	1.08E-04	5.4E-06	0.00149	6.1E-08	0.0016	1.32E-04	6.57E-06	0.001832	3.4E-08	1.97E-03	0.000117	5.06E-06	0.003489	3.51E-08	0.003611
3300	481363.09	3847877.25	0.05508	0.06437	0.06573	0.05085	1.04E-04	5.6E-06	0.00143	5.7E-08	0.00154	1.27E-04	6.92E-06	0.001758	3.18E-08	1.89E-03	0.000112	5.32E-06	0.003348	3.28E-08	0.003465
3301	481863.09	3847877.25	0.08468	0.09158	0.08774	0.06188	1.59E-04	8E-06	0.00191	6.9E-08	0.00207	1.95E-04	9.85E-06	0.002347	3.87E-08	2.55E-03	0.000172	7.57E-06	0.004469	4E-08	0.004648
3302	482363.09	3847877.25	0.07226	0.08457	0.08614	0.06308	1.36E-04	7.4E-06	0.00187	7E-08	0.00201	1.66E-04	9.09E-06	0.002304	3.95E-08	2.48E-03	0.000147	6.99E-06	0.004387	4.07E-08	0.004541
3303	482863.09	3847877.25	0.06289	0.06563	0.07695	0.06457	1.18E-04	5.8E-06	0.00167	7.2E-08	0.0018	1.45E-04	7.06E-06	0.002058	4.04E-08	2.21E-03	0.000128	5.43E-06	0.003919	4.17E-08	0.004052
3304	483363.09	3847877.25	0.05689	0.08043	0.06974	0.05119	1.07E-04	7.1E-06	0.00151	5.7E-08	0.00163	1.31E-04	8.65E-06	0.001865	3.2E-08	2.00E-03	0.000116	6.65E-06	0.003552	3.31E-08	0.003674
3305	483863.09	3847877.25	0.05133	0.07205	0.0595	0.05102	9.65E-05	6.3E-06	0.00129	5.7E-08	0.00139	1.18E-04	7.75E-06	0.001591	3.19E-08	1.72E-03	0.000104	5.96E-06	0.00303	3.3E-08	0.003141
3306	484363.09	3847877.25	0.04919	0.0787	0.05726	0.04783	9.24E-05	6.9E-06	0.00124	5.3E-08	0.00134	1.13E-04	8.46E-06	0.001531	2.99E-08	1.65E-03	9.99E-05	6.51E-06	0.002916	3.09E-08	0.003023
3307	484863.09	3847877.25	0.04598	0.08966	0.052	0.03798	8.64E-05	7.9E-06	0.00113	4.2E-08	0.00122	1.06E-04	9.64E-06	0.001391	2.38E-08	1.51E-03	9.34E-05	7.41E-06	0.002648	2.45E-08	0.002749
3308	485363.09	3847877.25	0.04611	0.08144	0.05933	0.04624	8.67E-05	7.1E-06	0.00129	5.2E-08	0.00138	1.06E-04	8.75E-06	0.001587	2.89E-08	1.70E-03	9.36E-05	6.73E-06	0.003022	2.99E-08	0.003122
3309	485863.09	3847877.25	0.04733	0.06714	0.05939	0.04895	8.89E-05	5.9E-06	0.00129	5.5E-08	0.00138	1.09E-04	7.22E-06	0.001588	3.06E-08	1.70E-03	9.61E-05	5.55E-06	0.003025	3.16E-08	0.003126
3310	486363.09	3847877.25	0.04593	0.07367	0.04949	0.04963	8.63E-05	6.5E-06	0.00107	5.5E-08	0.00117	1.06E-04	7.92E-06	0.001324	3.1E-08	1.44E-03	9.33E-05	6.09E-06	0.002521	3.21E-08	0.00262
3311	486863.09	3847877.25	0.03951	0.06055	0.04766	0.04839	7.42E-05	5.3E-06	0.00103	5.4E-08	0.00111	9.10E-05	6.51E-06	0.001275	3.03E-08	1.37E-03	8.02E-05	5.01E-06	0.002427	3.13E-08	0.002513
3312	487363.09	3847877.25	0.03709	0.06437	0.04636	0.04035	6.97E-05	5.6E-06	0.00101	4.5E-08	0.00108	8.54E-05	6.92E-06	0.00124	2.52E-08	1.33E-03	7.53E-05	5.32E-06	0.002361	2.61E-08	0.002442
3313	487863.09	3847877.25	0.03392	0.04761	0.04254	0.03865	6.37E-05	4.2E-06	0.00092	4.3E-08	0.00099	7.81E-05	5.12E-06	0.001138	2.42E-08	1.22E-03	6.89E-05	3.94E-06	0.002167	2.5E-08	0.002239
3314	488363.09	3847877.25	0.03031	0.0474	0.03755	0.03664	5.70E-05	4.2E-06	0.00082	4.1E-08	0.00088	6.98E-05	5.1E-06	0.001004	2.29E-08	1.08E-03	6.15E-05	3.92E-06	0.001912	2.37E-08	0.001978
3315	488863.09	3847877.25	0.02799	0.03786	0.03335	0.03341	5.26E-05	3.3E-06	0.00072	3.7E-08	0.00078	6.45E-05	4.07E-06	0.000892	2.09E-08	9.61E-04	5.68E-05	3.13E-06	0.001699	2.16E-08	0.001759
3316	489363.09	3847877.25	0.02738	0.03607	0.03385	0.02676	5.15E-05	3.2E-06	0.00074	3E-08	0.00079	6.31E-05	3.88E-06	0.000905	1.67E-08	9.72E-04	5.56E-05	2.98E-06	0.001724	1.73E-08	0.001783
3317	489863.09	3847877.25	0.02545	0.05632	0.03012	0.02652	4.78E-05	4.9E-06	0.00065	3E-08	0.00071	5.86E-05	6.05E-06	0.000806	1.66E-08	8.70E-04	5.17E-05	4.66E-06	0.001534	1.71E-08	0.00159
3318	490363.09	3847877.25	0.02458	0.05513	0.03011	0.0309	4.62E-05	4.8E-06	0.00065	3.5E-08	0.0007	5.66E-05	5.93E-06	0.000805	1.93E-08	8.68E-04	4.99E-05	4.56E-06	0.001534	2E-08	0.001588
3319	490863.09	3847877.25	0.02277	0.03731	0.02989	0.02899	4.28E-05	3.3E-06	0.00065	3.2E-08	0.0007	5.24E-05	4.01E-06	0.000799	1.81E-08	8.56E-04	4.62E-05	3.09E-06	0.001522	1.87E-08	0.001572
3320	491363.09	3847877.25	0.02308	0.03164	0.02865	0.02603	4.34E-05	2.8E-06	0.00062	2.9E-08	0.00067	5.31E-05	3.4E-06	0.000766	1.63E-08	8.23E-04	4.69E-05	2.62E-06	0.001459	1.68E-08	0.001509
3321	491863.09	3847877.25	0.02284	0.03305	0.02972	0.02412	4.29E-05	2.9E-06	0.00065	2.7E-08	0.00069	5.26E-05	3.55E-06	0.000795	1.51E-08	8.51E-04	4.64E-05	2.73E-06	0.001514	1.56E-08	0.001563
3322	492363.09	3847877.25	0.02217	0.03151	0.0298	0.02637	4.17E-05	2.8E-06	0.00065	2.9E-08	0.00069	5.11E-05	3.39E-06	0.000797	1.65E-08	8.51E-04	4.5E-05	2.61E-06	0.001518	1.7E-08	0.001565
3323	492863.09	3847877.25	0.02103	0.02773	0.02943	0.02597	3.95E-05	2.4E-06	0.00064	2.9E-08	0.00068	4.84E-05	2.98E-06	0.000787	1.62E-08	8.39E-04	4.27E-05	2.29E-06	0.001499	1.68E-08	0.001544
3324	493363.09	3847877.25	0.02064	0.02605	0.02432	0.02522	3.88E-05	2.3E-06	0.00053	2.8E-08	0.00057	4.75E-05	2.8E-06	0.00065	1.58E-08	7.01E-04	4.19E-05	2.15E-06	0.001239	1.63E-08	0.001283
3325	493863.09	3847877.25	0.01743	0.03028	0.02312	0.02497	3.28E-05	2.7E-06	0.0005	2.8E-08	0.00054	4.01E-05	3.26E-06	0.000618	1.56E-08	6.62E-04	3.54E-05	2.5E-06	0.001178	1.61E-08	0.001215
3326	494363.09	3847877.25	0.01729	0.03177	0.0201	0.0242	3.25E-05	2.8E-06	0.00044	2.7E-08	0.00047	3.98E-05	3.42E-06	0.000538	1.51E-08	5.81E-04	3.51E-05	2.63E-06	0.001024	1.56E-08	0.001061
3327	494863.09	3847877.25	0.01857	0.03517	0.02241	0.02413	3.49E-05	3.1E-06	0.00049	2.7E-08	0.00052	4.28E-05	3.78E-06	0.000599	1.51E-08	6.46E-04	3.77E-05	2.91E-06	0.001141	1.56E-08	0.001182
3328	495363.09	3847877.25	0.02123	0.02876	0.02141	0.02273	3.99E-05	2.5E-06	0.00046	2.5E-08	0.00051	4.89E-05	3.09E-06	0.000573	1.42E-08	6.25E-04	4.31E-05	2.38E-06	0.00109	1.47E-08	0.001136
3329	495863.09	3847877.25	0.0203	0.02761	0.01932	0.01868	3.81E-05	2.4E-06	0.00042	2.1E-08	0.00046	4.67E-05	2.97E-06	0.000517	1.17E-08	5.66E-04	4.12E-05	2.28E-06	0.000984	1.21E-08	0.001027
3330	496363.09	3847877.25	0.02342	0.03038	0.02367	0.02229	4.40E-05	2.7E-06	0.00051	2.5E-08	0.00056	5.39E-05	3.27E-06	0.000633	1.39E-08	6.90E-04	4.76E-05	2.51E-06	0.001206	1.44E-08	0.001256
3331	496863.09	3847877.25	0.02477	0.03229	0.0277	0.02123	4.65E-05	2.8E-06	0.0006	2.4E-08	0.00065	5.70E-05	3.47E-06	0.000741	1.33E-08	8.01E-04	5.03E-05	2.67E-06	0.001411	1.37E-08	0.001464
3332	497363.09	3847877.25	0.02678	0.03401	0.02776	0.02281	5.03E-05	3E-06	0.0006	2.5E-08	0.00066	6.17E-05	3.66E-06	0.000742	1.43E-08	8.08E-04	5.44E-05	2.81E-06	0.001414	1.47E-08	0.001471
3333	497863.09	3847877.25	0.03185	0.04301	0.03406	0.02803	5.99E-05	3.8E-06	0.00074	3.1E-08	0.0008	7.33E-05	4.62E-06	0.000911	1.75E-08	9.89E-04	6.47E-05	3.56E-06	0.001735	1.81E-08	0.001803
3334	498363.09	3847877.25	0.03283	0.04577	0.03904	0.03029	6.17E-05	4E-06	0.00085	3.4E-08	0.00091	7.56E-05	4.92E-06	0.001044	1.89E-08	1.12E-03	6.67E-05	3.79E-06	0.001988	1.96E-08	0.002059
3335	471363.09	3848377.25	0.18099	0.22679	0.22624	0.23118	3.40E-04	2E-05	0.00491	2.6E-07	0.00527	4.17E-04	2.44E-05	0.006051	1.45E-07	6.49E-03	0.000367	1.88E-05	0.011523	1.49E-07	0.011909
3336	471863.09	3848377.25	0.22562	0.28508	0.25988	0.27531	4.24E-04	2.5E-05	0.00564	3.1E-07	0.00609	5.20E-04	3.06E-05	0.006951	1.72E-07	7.50E-03	0.000458	2.36E-05	0.013236	1.78E-07	0.013718
3337	472363.09	3848377.25	0.23031	0.29373	0.24067	0.25034	4.33E-04	2.6E-05	0.00523	2.8E-07	0.00569	5.30E-04	3.16E-05	0.006437	1.57E-07	7.00E-03	0.000468	2.43E-05	0.012257	1.62E-07	0.01275
3338	472863.09	3848377.25	0.23221	0.27679	0.25917	0.25709	4.36E-04	2.4E-05	0.00563	2.9E-07	0.00609	5.35E-04	2.98E-05	0.006932	1.61E-07	7.50E-03	0.000471	2.29E-05	0.0132	1.66E-07	0.013694
3339	473363.09	3848377.25	0.24243	0.3067	0.26351	0.30148	4.56E-04	2.7E-05	0.00572	3.4E-07	0.00621	5.58E-04	3.3E-05	0.007048	1.89E-07	7.64E-03	0.000492	2.54E-05	0.013421	1.95E-07	0.013938
3340	473863.09	3848377.25	0.25842	0.33467	0.28556	0.28227	4.86E-04	2.9E-05	0.0062	3.2E-07	0.00672	5.95E-04	3.6E-05	0.007637	1.77E-07	8.27E-03	0.000525	2.77E-05	0.014544	1.82E-07	0.015096
3341	474363.09	3848377.25	0.26549	0.31619	0.29219	0.26554	4.99E-04	2.8E-05	0.00635	3E-07	0.00687	6.11E-04	3.4E-05	0.007815	1.66E-07	8.46E-03	0.000539	2.61E-05	0.014881	1.72E-07	0.015447
3342	474863.09	3848377.25	0.27806	0.31609	0.32437	0.20095	5.23E-04	2.8E-05	0.00704	2.2E-07	0.00759	6.40E-04	3.4E-05	0.008675	1.26E-07	9.35E-03	0.000565	2.61E-05	0.01652	1.3E-07	0.017111
3343	475363.09	3848377.25	0.24252	0.2712	0.25184	0.17823	4.56E-04	2.4E-05	0.00547	2E-07	0.00595	5.58E-04	2.92E-05	0.006736	1.11E-07	7.32E-03	0.000492	2.24E-05	0.012826	1.15E-07	0.013341
3344	475863.09	3848377.25	0.25726	0.29202	0.30414	0.2059	4.83E-04	2.6E-05	0.0066	2.3E-07	0.00711	5.92E-04	3.14E-05	0.008134	1.29E-07	8.76E-03	0.000522	2.41E-05	0.01549	1.33E-07	0.016037
3345	476363.09	3848377.25	0.23165	0.26186	0.27174	0.17708	4.35E-04	2.3E-05	0.0059	2E-07	0.00636	5.33E-04	2.82E-05	0.007268	1.11E-07	7.83E-03	0.00047	2.17E-05	0.01384	1.14E-07	0.014332
3346	476863.09	3848377.25	0.33242	0.39472	0.40052	0.31257	6.25E-04	3.5E-05	0.0087	3.5E-07	0.00936	7.66E-04	4.24E-05	0.010712	1.95E-07	1.15E-02	0.000675	3.26E-05	0.020399	2.02E-07	0.021106
3347	477363.09	3848377.25	0.34744	0.41972	0.35106	0.28463	6.53E-04	3.7E-05	0.00762	3.2E-07	0.00831	8.00E-04	4.51E-05	0.009389	1.78E-07	1.02E-02	0.000705	3.47E-05	0.01788	1.84E-07	0.01862
3348	477863.09	3848377.25	0.42885	0.4784	0.53068	0.31324	8.06E-04	4.2E-05	0.01152	3.5E-07	0.01237	9.88E-04	5.14E-05	0.014193	1.96E-07	1.52E-02	0.000871	3.96E-05	0.027028	2.02E-07	0.027938
3349	478363.09	3848377.25	0.36769	0.40763	0.45595	0.291	6.91E-04	3.6E-05	0.0099	3.3E-07	0.01063	8.47E-04	4.38E-05	0.012195	1.82E-07	1.31E-02	0.000747	3.37E-05	0.023222	1.88E-07	0.024002
3350	478863.09	3848377.25	0.33519	0.32616	0.44608	0.20249	6.30E-04	2.9E-05	0.00969	2.3E-07	0.01035	7.72E-04	3.51E-05	0.011931	1.27E-07	1.27E-02	0.000681	2.7E-05	0.022719	1.31E-07	0.023427
3351	479363.09	3848377.25	0.19747	0.19498	0.2262	0.13129	3.71E-04	1.7E-05	0.00491	1.5E-07	0.0053	4.55E-04	2.1E-05	0.00605	8.21E-08	6.53E-03	0.000401	1.61E-05	0.01152	8.48E-08	0.011938

3352	479863.09	3848377.25	0.05301	0.04559	0.06722	0.05914	9.96E-05	4E-06	0.00146	6.6E-08	0.00156	1.22E-04	4.9E-06	0.001798	3.7E-08	1.92E-03	0.000108	3.77E-06	0.003424	3.82E-08	0.003535
3353	480363.09	3848377.25	0.07734	0.07656	0.09959	0.06149	1.45E-04	6.7E-06	0.00216	6.9E-08	0.00231	1.78E-04	8.23E-06	0.002664	3.85E-08	2.85E-03	0.000157	6.33E-06	0.005072	3.97E-08	0.005236
3354	480863.09	3848377.25	0.11565	0.14968	0.11978	0.08678	2.17E-04	1.3E-05	0.0026	9.7E-08	0.00283	2.66E-04	1.61E-05	0.003204	5.43E-08	3.49E-03	0.000235	1.24E-05	0.0061	5.61E-08	0.006348
3355	481363.09	3848377.25	0.0904	0.11606	0.12219	0.06854	1.70E-04	1E-05	0.00265	7.7E-08	0.00283	2.08E-04	1.25E-05	0.003268	4.29E-08	3.49E-03	0.000184	9.6E-06	0.006223	4.43E-08	0.006416
3356	481863.09	3848377.25	0.09257	0.12878	0.12137	0.07248	1.74E-04	1.1E-05	0.00264	8.1E-08	0.00282	2.13E-04	1.38E-05	0.003246	4.53E-08	3.47E-03	0.000188	1.06E-05	0.006181	4.68E-08	0.00638
3357	482363.09	3848377.25	0.09338	0.13042	0.10737	0.06615	1.75E-04	1.1E-05	0.00233	7.4E-08	0.00252	2.15E-04	1.4E-05	0.002872	4.14E-08	3.10E-03	0.00019	1.08E-05	0.005468	4.27E-08	0.005669
3358	482863.09	3848377.25	0.0723	0.08411	0.0851	0.06371	1.36E-04	7.4E-06	0.00185	7.1E-08	0.00199	1.66E-04	9.04E-06	0.002276	3.98E-08	2.45E-03	0.000147	6.96E-06	0.004334	4.12E-08	0.004488
3359	483363.09	3848377.25	0.06753	0.09345	0.08076	0.06639	1.27E-04	8.2E-06	0.00175	7.4E-08	0.00189	1.56E-04	1E-05	0.00216	4.15E-08	2.33E-03	0.000137	7.73E-06	0.004113	4.29E-08	0.004258
3360	483863.09	3848377.25	0.05863	0.0872	0.06825	0.06394	1.10E-04	7.6E-06	0.00148	7.1E-08	0.0016	1.35E-04	9.37E-06	0.001825	4E-08	1.97E-03	0.000119	7.21E-06	0.003476	4.13E-08	0.003602
3361	484363.09	3848377.25	0.05238	0.08737	0.06269	0.05674	9.84E-05	7.7E-06	0.00136	6.3E-08	0.00147	1.21E-04	9.39E-06	0.001677	3.55E-08	1.81E-03	0.000106	7.23E-06	0.003193	3.67E-08	0.003306
3362	484863.09	3848377.25	0.05546	0.09801	0.06752	0.04599	1.04E-04	8.6E-06	0.00147	5.1E-08	0.00158	1.28E-04	1.05E-05	0.001806	2.88E-08	1.94E-03	0.000113	8.11E-06	0.003439	2.97E-08	0.00356
3363	485363.09	3848377.25	0.05229	0.07687	0.06567	0.05067	9.83E-05	6.7E-06	0.00143	5.7E-08	0.00153	1.20E-04	8.26E-06	0.001756	3.17E-08	1.89E-03	0.000106	6.36E-06	0.003345	3.27E-08	0.003457
3364	485863.09	3848377.25	0.05308	0.0763	0.06337	0.05146	9.97E-05	6.7E-06	0.00138	5.7E-08	0.00148	1.22E-04	8.2E-06	0.001695	3.22E-08	1.83E-03	0.000108	6.31E-06	0.003227	3.32E-08	0.003342
3365	486363.09	3848377.25	0.0531	0.0802	0.05346	0.05447	9.98E-05	7E-06	0.00116	6.1E-08	0.00127	1.22E-04	8.62E-06	0.00143	3.41E-08	1.56E-03	0.000108	6.63E-06	0.002723	3.52E-08	0.002837
3366	486863.09	3848377.25	0.04621	0.06789	0.05551	0.05286	8.68E-05	6E-06	0.00121	5.9E-08	0.0013	1.06E-04	7.3E-06	0.001485	3.31E-08	1.60E-03	9.38E-05	5.61E-06	0.002827	3.41E-08	0.002927
3367	487363.09	3848377.25	0.04104	0.08107	0.04868	0.04307	7.71E-05	7.1E-06	0.00106	4.8E-08	0.00114	9.45E-05	8.72E-06	0.001302	2.69E-08	1.41E-03	8.33E-05	6.7E-06	0.002479	2.78E-08	0.002569
3368	487863.09	3848377.25	0.0362	0.06325	0.0458	0.04279	6.80E-05	5.5E-06	0.00099	4.8E-08	0.00107	8.34E-05	6.8E-06	0.001225	2.68E-08	1.32E-03	7.35E-05	5.23E-06	0.002333	2.76E-08	0.002411
3369	488363.09	3848377.25	0.03347	0.04857	0.03967	0.03733	6.29E-05	4.3E-06	0.00086	4.2E-08	0.00093	7.71E-05	5.22E-06	0.001061	2.33E-08	1.14E-03	6.8E-05	4.02E-06	0.00202	2.41E-08	0.002092
3370	488863.09	3848377.25	0.03077	0.04245	0.03767	0.03545	5.78E-05	3.7E-06	0.00082	4E-08	0.00088	7.09E-05	4.56E-06	0.001008	2.22E-08	1.08E-03	6.25E-05	3.51E-06	0.001919	2.29E-08	0.001985
3371	489363.09	3848377.25	0.0286	0.05466	0.03542	0.0332	5.37E-05	4.8E-06	0.00077	3.7E-08	0.00083	6.59E-05	5.88E-06	0.000947	2.08E-08	1.02E-03	5.81E-05	4.52E-06	0.001804	2.14E-08	0.001867
3372	489863.09	3848377.25	0.03051	0.06721	0.03494	0.03304	5.73E-05	5.9E-06	0.00076	3.7E-08	0.00082	7.03E-05	7.23E-06	0.000934	2.07E-08	1.01E-03	6.19E-05	5.56E-06	0.00178	2.13E-08	0.001847
3373	490363.09	3848377.25	0.028	0.05413	0.0316	0.03279	5.26E-05	4.7E-06	0.00069	3.7E-08	0.00074	6.45E-05	5.82E-06	0.000845	2.05E-08	9.15E-04	5.69E-05	4.48E-06	0.001609	2.12E-08	0.001671
3374	490863.09	3848377.25	0.02618	0.04659	0.03353	0.03095	4.92E-05	4.1E-06	0.00073	3.5E-08	0.00078	6.03E-05	5.01E-06	0.000897	1.94E-08	9.62E-04	5.32E-05	3.85E-06	0.001708	2E-08	0.001765
3375	491363.09	3848377.25	0.02367	0.03672	0.03031	0.03143	4.45E-05	3.2E-06	0.00066	3.5E-08	0.00071	5.45E-05	3.95E-06	0.000811	1.97E-08	8.69E-04	4.81E-05	3.04E-06	0.001544	2.03E-08	0.001595
3376	491863.09	3848377.25	0.02295	0.03824	0.03023	0.0307	4.31E-05	3.4E-06	0.00066	3.4E-08	0.0007	5.28E-05	4.11E-06	0.000809	1.92E-08	8.66E-04	4.66E-05	3.16E-06	0.00154	1.98E-08	0.001589
3377	492363.09	3848377.25	0.02231	0.0333	0.02985	0.02608	4.19E-05	2.9E-06	0.00065	2.9E-08	0.00069	5.14E-05	3.58E-06	0.000798	1.63E-08	8.53E-04	4.53E-05	2.75E-06	0.00152	1.68E-08	0.001568
3378	492863.09	3848377.25	0.02162	0.0253	0.0246	0.02568	4.06E-05	2.2E-06	0.00053	2.9E-08	0.00058	4.98E-05	2.72E-06	0.000658	1.61E-08	7.10E-04	4.39E-05	2.09E-06	0.001253	1.66E-08	0.001299
3379	493363.09	3848377.25	0.01862	0.03615	0.02312	0.02508	3.50E-05	3.2E-06	0.0005	2.8E-08	0.00054	4.29E-05	3.89E-06	0.000618	1.57E-08	6.65E-04	3.78E-05	2.99E-06	0.001178	1.62E-08	0.001218
3380	493863.09	3848377.25	0.01816	0.03323	0.02015	0.02497	3.41E-05	2.9E-06	0.00044	2.8E-08	0.00047	4.18E-05	3.57E-06	0.000539	1.56E-08	5.84E-04	3.69E-05	2.75E-06	0.001026	1.61E-08	0.001066
3381	494363.09	3848377.25	0.0204	0.03493	0.02302	0.02429	3.83E-05	3.1E-06	0.0005	2.7E-08	0.00054	4.70E-05	3.76E-06	0.000616	1.52E-08	6.66E-04	4.14E-05	2.89E-06	0.001172	1.57E-08	0.001217
3382	494863.09	3848377.25	0.02284	0.0316	0.02181	0.02374	4.29E-05	2.8E-06	0.00047	2.7E-08	0.00052	5.26E-05	3.4E-06	0.000583	1.48E-08	6.39E-04	4.64E-05	2.61E-06	0.001111	1.53E-08	0.00116
3383	495363.09	3848377.25	0.02147	0.03038	0.02182	0.02196	4.03E-05	2.7E-06	0.00047	2.5E-08	0.00052	4.94E-05	3.27E-06	0.000584	1.37E-08	6.36E-04	4.36E-05	2.51E-06	0.001111	1.42E-08	0.001157
3384	495863.09	3848377.25	0.02141	0.03105	0.02071	0.02192	4.02E-05	2.7E-06	0.00045	2.4E-08	0.00049	4.93E-05	3.34E-06	0.000554	1.37E-08	6.07E-04	4.35E-05	2.57E-06	0.001055	1.42E-08	0.001101
3385	496363.09	3848377.25	0.02317	0.03197	0.02653	0.02106	4.35E-05	2.8E-06	0.00058	2.4E-08	0.00062	5.34E-05	3.44E-06	0.00071	1.32E-08	7.66E-04	4.7E-05	2.64E-06	0.001351	1.36E-08	0.001401
3386	496863.09	3848377.25	0.0246	0.03091	0.02453	0.02273	4.62E-05	2.7E-06	0.00053	2.5E-08	0.00058	5.66E-05	3.32E-06	0.000656	1.42E-08	7.16E-04	4.99E-05	2.56E-06	0.001249	1.47E-08	0.001302
3387	497363.09	3848377.25	0.02832	0.03382	0.03139	0.02399	5.32E-05	3E-06	0.00068	2.7E-08	0.00074	6.52E-05	3.64E-06	0.00084	1.5E-08	9.08E-04	5.75E-05	2.8E-06	0.001599	1.55E-08	0.001659
3388	497863.09	3848377.25	0.03783	0.04962	0.04341	0.03117	7.11E-05	4.4E-06	0.00094	3.5E-08	0.00102	8.71E-05	5.33E-06	0.001161	1.95E-08	1.25E-03	7.68E-05	4.1E-06	0.002211	2.01E-08	0.002292
3389	498363.09	3848377.25	0.03912	0.04733	0.0453	0.03195	7.35E-05	4.2E-06	0.00098	3.6E-08	0.00106	9.01E-05	5.09E-06	0.001212	2E-08	1.31E-03	7.94E-05	3.91E-06	0.002307	2.06E-08	0.002391
3390	471363.09	3848877.25	0.15788	0.19234	0.18042	0.1733	2.97E-04	1.7E-05	0.00392	1.9E-07	0.00423	3.64E-04	2.07E-05	0.004825	1.08E-07	5.21E-03	0.000321	1.59E-05	0.009189	1.12E-07	0.009525
3391	471863.09	3848877.25	0.1743	0.20609	0.21317	0.21205	3.28E-04	1.8E-05	0.00463	2.4E-07	0.00498	4.01E-04	2.22E-05	0.005701	1.33E-07	6.13E-03	0.000354	1.7E-05	0.010857	1.37E-07	0.011228
3392	472363.09	3848877.25	0.19985	0.26092	0.25294	0.25767	3.76E-04	2.3E-05	0.00549	2.9E-07	0.00589	4.60E-04	2.8E-05	0.006765	1.61E-07	7.25E-03	0.000406	2.16E-05	0.012882	1.66E-07	0.01331
3393	472863.09	3848877.25	0.23965	0.30499	0.29145	0.30831	4.50E-04	2.7E-05	0.00633	3.4E-07	0.00681	5.52E-04	3.28E-05	0.007795	1.93E-07	8.38E-03	0.000487	2.52E-05	0.014844	1.99E-07	0.015356
3394	473363.09	3848877.25	0.24174	0.3108	0.25515	0.29538	4.54E-04	2.7E-05	0.00554	3.3E-07	0.00602	5.57E-04	3.34E-05	0.006824	1.85E-07	7.41E-03	0.000491	2.57E-05	0.012995	1.91E-07	0.013512
3395	473863.09	3848877.25	0.23849	0.30433	0.25669	0.27378	4.48E-04	2.7E-05	0.00557	3.1E-07	0.00605	5.49E-04	3.27E-05	0.006865	1.71E-07	7.45E-03	0.000484	2.52E-05	0.013073	1.77E-07	0.013583
3396	474363.09	3848877.25	0.2803	0.33883	0.31867	0.38003	5.27E-04	3E-05	0.00692	4.2E-07	0.00748	6.45E-04	3.64E-05	0.008523	2.38E-07	9.21E-03	0.000569	2.8E-05	0.01623	2.45E-07	0.016827
3397	474863.09	3848877.25	0.28658	0.33915	0.32129	0.28025	5.39E-04	3E-05	0.00698	3.1E-07	0.00755	6.60E-04	3.65E-05	0.008593	1.75E-07	9.29E-03	0.000582	2.8E-05	0.016363	1.81E-07	0.016974
3398	475363.09	3848877.25	0.30018	0.35792	0.31187	0.27716	5.64E-04	3.1E-05	0.00677	3.1E-07	0.00737	6.91E-04	3.85E-05	0.008341	1.73E-07	9.07E-03	0.000609	2.96E-05	0.015884	1.79E-07	0.016523
3399	475863.09	3848877.25	0.28877	0.31001	0.31829	0.23955	5.43E-04	2.7E-05	0.00691	2.7E-07	0.00748	6.65E-04	3.33E-05	0.008513	1.5E-07	9.21E-03	0.000586	2.56E-05	0.016211	1.55E-07	0.016823
3400	476363.09	3848877.25	0.29893	0.36288	0.36893	0.27028	5.62E-04	3.2E-05	0.00801	3E-07	0.00861	6.88E-04	3.9E-05	0.009867	1.69E-07	1.06E-02	0.000607	3E-05	0.01879	1.75E-07	0.019427
3401	476863.09	3848877.25	0.27742	0.30776	0.29235	0.23653	5.21E-04	2.7E-05	0.00635	2.6E-07	0.0069	6.39E-04	3.31E-05	0.007819	1.48E-07	8.49E-03	0.000563	2.55E-05	0.01489	1.53E-07	0.015478
3402	477363.09	3848877.25	0.35841	0.42955	0.41424	0.3446	6.74E-04	3.8E-05	0.009	3.9E-07	0.00971	8.25E-04	4.62E-05	0.011079	2.16E-07	1.20E-02	0.000728	3.55E-05	0.021097	2.23E-07	0.021861
3403	477863.09	3848877.25	0.37354	0.45076	0.40987	0.35752	7.02E-04	4E-05	0.0089	4E-07	0.00964	8.60E-04	4.85E-05	0.010962	2.24E-07	1.19E-02	0.000758	3.73E-05	0.020875	2.31E-07	0.021671
3404	478363.09	3848877.25	0.47233	0.53821	0.58012	0.37352	8.88E-04	4.7E-05	0.0126	4.2E-07	0.01353	1.09E-03	5.79E-05	0.015516	2.34E-07	1.67E-02	0.000959	4.45E-05	0.029546	2.41E-07	0.03055
3405	478863.09	3848877.25	0.3965	0.42795	0.48243	0.30797	7.45E-04	3.8E-05	0.01048	3.4E-07	0.01126	9.13E-04	4.6E-05	0.012903	1.93E-07	1.39E-02	0.000805	3.54E-05	0.02457	1.99E-07	0.025411
3406	479363.09	3848877.25	0.34265	0.2891	0.46862	0.20055	6.44E-04	2.5E-05	0.01018	2.2E-07	0.01085	7.89E-04	3.11E-05	0.012534	1.25E-07	1.34E-02	0.000696	2.39E-05	0.023867	1.3E-07	0.024587
3407	479863.09	3848877.25	0.19919	0.22518	0.24761	0.13226	3.74E-04	2E-05	0.00538	1.5E-07	0.00577	4.59E-04	2.42E-05	0.006622	8.27E-08	7.11E-03	0.000404	1.86E-05	0.012611	8.54E-08	0.013034
3408	480363.09	3848877.25	0.21412	0.17199	0.26928	0.11763	4.02E-04	1.5E-05	0.00585	1.3E-07	0.00627	4.93E-04	1.85E-05	0.007202	7.36E-08	7.71E-03	0.000435	1.42E-05	0.013715	7.6E-08	0.014164
3409	480863.09	3848877.25	0.18711	0.20644	0.23664	0.11731	3.52E-04	1.8E-05	0.00514	1.3E-07	0.00551	4.31E-04	2.22E-05	0.006329	7.34E-08	6.78E-03	0.00038	1.71E-05	0.012052	7.58E-08	0.012449
3410	481363.09	3848877.25	0.15815	0.19336	0.16477	0.11986	2.97E-04	1.7E-05	0.00358	1.3E-07	0.00389	3.64E-04	2.08E-05	0.004407	7.5E-08	4.79E-03	0.000321	1.6E-05	0.008392	7.74E-08	0.008729
3411	481863.09	3848877.25	0.10672	0.15807	0.13982	0.08471	2.01E-04	1.4E-05	0.00304	9.5E-08	0.00325	2.46E-04	1.7E-05	0.00374	5.3E-08	4.00E-03	0.000217	1.31E-05	0.007121	5.47E-08	0.007351
3412	482363.09	3848877.25	0.08955	0.10674	0.1039	0.06797	1.68E-04	9.4E-06	0.00226	7.6E-08	0.00243	2.06E-04	1.15E-05	0.002779	4.25E-08	3.00E-03	0.000182	8.83E-06	0.005292	4.39E-08	0.005482

3413	482863.09	3848877.25	0.07067	0.08048	0.08387	0.06871	1.33E-04	7.1E-06	0.00182	7.7E-08	0.00196	1.63E-04	8.65E-06	0.002243	4.3E-08	2.41E-03	0.000143	6.66E-06	0.004272	4.44E-08	0.004422
3414	483363.09	3848877.25	0.0639	0.07161	0.07884	0.05331	1.20E-04	6.3E-06	0.00171	6E-08	0.00184	1.47E-04	7.7E-06	0.002109	3.33E-08	2.26E-03	0.00013	5.92E-06	0.004015	3.44E-08	0.004151
3415	483863.09	3848877.25	0.05986	0.07937	0.06563	0.06338	1.12E-04	7E-06	0.00143	7.1E-08	0.00154	1.38E-04	8.53E-06	0.001755	3.96E-08	1.90E-03	0.000122	6.56E-06	0.003343	4.09E-08	0.003471
3416	484363.09	3848877.25	0.05632	0.10026	0.06738	0.0621	1.06E-04	8.8E-06	0.00146	6.9E-08	0.00158	1.30E-04	1.08E-05	0.001802	3.88E-08	1.94E-03	0.000114	8.29E-06	0.003432	4.01E-08	0.003554
3417	484863.09	3848877.25	0.07195	0.10625	0.07868	0.053	1.35E-04	9.3E-06	0.00171	5.9E-08	0.00185	1.66E-04	1.14E-05	0.002104	3.31E-08	2.28E-03	0.000146	8.79E-06	0.004007	3.42E-08	0.004162
3418	485363.09	3848877.25	0.06038	0.08615	0.07876	0.05411	1.13E-04	7.6E-06	0.00171	6E-08	0.00183	1.39E-04	9.26E-06	0.002106	3.38E-08	2.25E-03	0.000123	7.12E-06	0.004011	3.5E-08	0.004141
3419	485863.09	3848877.25	0.05914	0.09157	0.07286	0.0543	1.11E-04	8E-06	0.00158	6.1E-08	0.0017	1.36E-04	9.84E-06	0.001949	3.4E-08	2.09E-03	0.00012	7.57E-06	0.003711	3.51E-08	0.003838
3420	486363.09	3848877.25	0.05934	0.08633	0.06457	0.05888	1.12E-04	7.6E-06	0.0014	6.6E-08	0.00152	1.37E-04	9.28E-06	0.001727	3.68E-08	1.87E-03	0.00012	7.14E-06	0.003289	3.8E-08	0.003416
3421	486863.09	3848877.25	0.05166	0.07587	0.05978	0.05625	9.71E-05	6.7E-06	0.0013	6.3E-08	0.0014	1.19E-04	8.16E-06	0.001599	3.52E-08	1.73E-03	0.000105	6.27E-06	0.003045	3.63E-08	0.003156
3422	487363.09	3848877.25	0.05271	0.08382	0.05647	0.04679	9.91E-05	7.4E-06	0.00123	5.2E-08	0.00133	1.21E-04	9.01E-06	0.00151	2.93E-08	1.64E-03	0.000107	6.93E-06	0.002876	3.02E-08	0.00299
3423	487863.09	3848877.25	0.04265	0.07731	0.04918	0.04378	8.01E-05	6.8E-06	0.00107	4.9E-08	0.00115	9.82E-05	8.31E-06	0.001315	2.74E-08	1.42E-03	8.66E-05	6.39E-06	0.002505	2.83E-08	0.002598
3424	488363.09	3848877.25	0.04091	0.0715	0.04446	0.04087	7.69E-05	6.3E-06	0.00097	4.6E-08	0.00105	9.42E-05	7.69E-06	0.001189	2.56E-08	1.29E-03	8.31E-05	5.91E-06	0.002264	2.64E-08	0.002353
3425	488863.09	3848877.25	0.03555	0.04946	0.04019	0.03772	6.68E-05	4.3E-06	0.00087	4.2E-08	0.00094	8.19E-05	5.32E-06	0.001075	2.36E-08	1.16E-03	7.22E-05	4.09E-06	0.002047	2.44E-08	0.002123
3426	489363.09	3848877.25	0.03914	0.06908	0.04113	0.03556	7.36E-05	6.1E-06	0.00089	4E-08	0.00097	9.01E-05	7.43E-06	0.0011	2.22E-08	1.20E-03	7.95E-05	5.71E-06	0.002095	2.3E-08	0.00218
3427	489863.09	3848877.25	0.03721	0.06656	0.04384	0.03578	6.99E-05	5.8E-06	0.00095	4E-08	0.00103	8.57E-05	7.16E-06	0.001173	2.24E-08	1.27E-03	7.56E-05	5.5E-06	0.002233	2.31E-08	0.002314
3428	490363.09	3848877.25	0.03031	0.05248	0.0367	0.03413	5.70E-05	4.6E-06	0.0008	3.8E-08	0.00086	6.98E-05	5.64E-06	0.000982	2.13E-08	1.06E-03	6.15E-05	4.34E-06	0.001869	2.2E-08	0.001935
3429	490863.09	3848877.25	0.03025	0.04643	0.03509	0.03172	5.68E-05	4.1E-06	0.00076	3.5E-08	0.00082	6.97E-05	4.99E-06	0.000939	1.98E-08	1.01E-03	6.14E-05	3.84E-06	0.001787	2.05E-08	0.001852
3430	491363.09	3848877.25	0.02536	0.04358	0.03068	0.03102	4.77E-05	3.8E-06	0.00067	3.5E-08	0.00072	5.84E-05	4.68E-06	0.000821	1.94E-08	8.84E-04	5.15E-05	3.6E-06	0.001563	2E-08	0.001618
3431	491863.09	3848877.25	0.0243	0.04076	0.03027	0.0302	4.57E-05	3.6E-06	0.00066	3.4E-08	0.00071	5.60E-05	4.38E-06	0.00081	1.89E-08	8.70E-04	4.93E-05	3.37E-06	0.001542	1.95E-08	0.001594
3432	492363.09	3848877.25	0.0226	0.02926	0.02752	0.02621	4.25E-05	2.6E-06	0.0006	2.9E-08	0.00064	5.20E-05	3.15E-06	0.000736	1.64E-08	7.91E-04	4.59E-05	2.42E-06	0.001402	1.69E-08	0.00145
3433	492863.09	3848877.25	0.02027	0.02932	0.02342	0.02519	3.81E-05	2.6E-06	0.00051	2.8E-08	0.00055	4.67E-05	3.15E-06	0.000626	1.58E-08	6.76E-04	4.12E-05	2.42E-06	0.001193	1.63E-08	0.001236
3434	493363.09	3848877.25	0.01903	0.03791	0.02233	0.02525	3.58E-05	3.3E-06	0.00048	2.8E-08	0.00052	4.38E-05	4.08E-06	0.000597	1.58E-08	6.45E-04	3.86E-05	3.14E-06	0.001137	1.63E-08	0.001179
3435	493863.09	3848877.25	0.02236	0.0332	0.02336	0.02444	4.20E-05	2.9E-06	0.00051	2.7E-08	0.00055	5.15E-05	3.57E-06	0.000625	1.53E-08	6.80E-04	4.54E-05	2.75E-06	0.00119	1.58E-08	0.001238
3436	494363.09	3848877.25	0.02235	0.03112	0.02299	0.02396	4.20E-05	2.7E-06	0.0005	2.7E-08	0.00054	5.15E-05	3.35E-06	0.000615	1.5E-08	6.70E-04	4.54E-05	2.57E-06	0.001171	1.55E-08	0.001219
3437	494863.09	3848877.25	0.02414	0.03406	0.02456	0.02333	4.54E-05	3E-06	0.00053	2.6E-08	0.00058	5.56E-05	3.66E-06	0.000657	1.46E-08	7.16E-04	4.9E-05	2.82E-06	0.001251	1.51E-08	0.001303
3438	495363.09	3848877.25	0.0239	0.03258	0.02579	0.02267	4.49E-05	2.9E-06	0.00056	2.5E-08	0.00061	5.50E-05	3.5E-06	0.00069	1.42E-08	7.48E-04	4.85E-05	2.69E-06	0.001313	1.46E-08	0.001365
3439	495863.09	3848877.25	0.02399	0.03196	0.02614	0.02247	4.51E-05	2.8E-06	0.00057	2.5E-08	0.00062	5.52E-05	3.44E-06	0.000699	1.41E-08	7.58E-04	4.87E-05	2.64E-06	0.001331	1.45E-08	0.001383
3440	496363.09	3848877.25	0.02667	0.0311	0.02933	0.02283	5.01E-05	2.7E-06	0.00064	2.6E-08	0.00069	6.14E-05	3.34E-06	0.000784	1.43E-08	8.49E-04	5.42E-05	2.57E-06	0.001494	1.47E-08	0.001551
3441	496863.09	3848877.25	0.02977	0.03532	0.03268	0.0249	5.59E-05	3.1E-06	0.00071	2.8E-08	0.00077	6.86E-05	3.8E-06	0.000874	1.56E-08	9.46E-04	6.04E-05	2.92E-06	0.001664	1.61E-08	0.001728
3442	497363.09	3848877.25	0.03687	0.04394	0.04218	0.03109	6.93E-05	3.9E-06	0.00092	3.5E-08	0.00099	8.49E-05	4.72E-06	0.001128	1.94E-08	1.22E-03	7.49E-05	3.63E-06	0.002148	2.01E-08	0.002227
3443	497863.09	3848877.25	0.04012	0.0516	0.04896	0.03487	7.54E-05	4.5E-06	0.00106	3.9E-08	0.00114	9.24E-05	5.55E-06	0.001309	2.18E-08	1.41E-03	8.15E-05	4.27E-06	0.002494	2.25E-08	0.002579
3444	498363.09	3848877.25	0.04133	0.05828	0.04674	0.04112	7.77E-05	5.1E-06	0.00102	4.6E-08	0.0011	9.52E-05	6.27E-06	0.00125	2.57E-08	1.35E-03	8.39E-05	4.82E-06	0.00238	2.66E-08	0.002469
3445	471363.09	3849377.25	0.19101	0.20221	0.22963	0.17011	3.59E-04	1.8E-05	0.00499	1.9E-07	0.00536	4.40E-04	2.17E-05	0.006142	1.06E-07	6.60E-03	0.000388	1.67E-05	0.011695	1.1E-07	0.0121
3446	471863.09	3849377.25	0.19081	0.2141	0.21381	0.18291	3.59E-04	1.9E-05	0.00464	2E-07	0.00502	4.39E-04	2.3E-05	0.005718	1.14E-07	6.18E-03	0.000387	1.77E-05	0.010889	1.18E-07	0.011295
3447	472363.09	3849377.25	0.17056	0.21947	0.19242	0.19514	3.21E-04	1.9E-05	0.00418	2.2E-07	0.00452	3.93E-04	2.36E-05	0.005146	1.22E-07	5.56E-03	0.000346	1.81E-05	0.0098	1.26E-07	0.010165
3448	472863.09	3849377.25	0.19193	0.24066	0.22885	0.23106	3.61E-04	2.1E-05	0.00497	2.6E-07	0.00535	4.42E-04	2.59E-05	0.006121	1.45E-07	6.59E-03	0.00039	1.99E-05	0.011655	1.49E-07	0.012065
3449	473363.09	3849377.25	0.21943	0.29755	0.2626	0.30669	4.12E-04	2.6E-05	0.0057	3.4E-07	0.00614	5.05E-04	3.2E-05	0.007023	1.92E-07	7.56E-03	0.000446	2.46E-05	0.013374	1.98E-07	0.013845
3450	473863.09	3849377.25	0.25219	0.32122	0.29953	0.32516	4.74E-04	2.8E-05	0.0065	3.6E-07	0.00701	5.81E-04	3.45E-05	0.008011	2.03E-07	8.63E-03	0.000512	2.66E-05	0.015255	2.1E-07	0.015794
3451	474363.09	3849377.25	0.26133	0.35019	0.27965	0.33509	4.91E-04	3.1E-05	0.00607	3.7E-07	0.0066	6.02E-04	3.76E-05	0.007479	2.1E-07	8.12E-03	0.000531	2.9E-05	0.014243	2.16E-07	0.014803
3452	474863.09	3849377.25	0.25543	0.3448	0.28161	0.34623	4.80E-04	3E-05	0.00612	3.9E-07	0.00663	5.88E-04	3.71E-05	0.007532	2.17E-07	8.16E-03	0.000519	2.85E-05	0.014343	2.24E-07	0.01489
3453	475363.09	3849377.25	0.29665	0.39183	0.3317	0.36878	5.57E-04	3.4E-05	0.0072	4.1E-07	0.0078	6.83E-04	4.21E-05	0.008872	2.31E-07	9.60E-03	0.000602	3.24E-05	0.016894	2.38E-07	0.017529
3454	475863.09	3849377.25	0.28512	0.37228	0.30737	0.36108	5.36E-04	3.3E-05	0.00667	4E-07	0.00724	6.57E-04	4E-05	0.008221	2.26E-07	8.92E-03	0.000579	3.08E-05	0.015655	2.33E-07	0.016264
3455	476363.09	3849377.25	0.31158	0.38385	0.32049	0.3547	5.86E-04	3.4E-05	0.00696	4E-07	0.00758	7.18E-04	4.13E-05	0.008572	2.22E-07	9.33E-03	0.000633	3.17E-05	0.016323	2.29E-07	0.016987
3456	476863.09	3849377.25	0.31891	0.37928	0.34332	0.33647	5.99E-04	3.3E-05	0.00746	3.8E-07	0.00809	7.34E-04	4.08E-05	0.009182	2.1E-07	9.96E-03	0.000648	3.14E-05	0.017485	2.17E-07	0.018165
3457	477363.09	3849377.25	0.33528	0.40374	0.37904	0.32371	6.30E-04	3.5E-05	0.00823	3.6E-07	0.0089	7.72E-04	4.34E-05	0.010138	2.02E-07	1.10E-02	0.000681	3.34E-05	0.019305	2.09E-07	0.020019
3458	477863.09	3849377.25	0.39286	0.47007	0.43669	0.31018	7.38E-04	4.1E-05	0.00948	3.5E-07	0.01026	9.05E-04	5.05E-05	0.01168	1.94E-07	1.26E-02	0.000798	3.89E-05	0.022241	2E-07	0.023078
3459	478363.09	3849377.25	0.39577	0.51223	0.46442	0.42532	7.44E-04	4.5E-05	0.01009	4.8E-07	0.01087	9.11E-04	5.51E-05	0.012421	2.66E-07	1.34E-02	0.000804	4.24E-05	0.023653	2.75E-07	0.024499
3460	478863.09	3849377.25	0.50301	0.57182	0.6258	0.35998	9.45E-04	5E-05	0.01359	4E-07	0.01459	1.16E-03	6.15E-05	0.016737	2.25E-07	1.80E-02	0.001021	4.73E-05	0.031872	2.33E-07	0.032941
3461	479363.09	3849377.25	0.44375	0.47145	0.53173	0.32635	8.34E-04	4.1E-05	0.01155	3.6E-07	0.01242	1.02E-03	5.07E-05	0.014221	2.04E-07	1.53E-02	0.000901	3.9E-05	0.027081	2.11E-07	0.028021
3462	479863.09	3849377.25	0.36022	0.30513	0.48321	0.22306	6.77E-04	2.7E-05	0.01049	2.5E-07	0.0112	8.30E-04	3.28E-05	0.012924	1.4E-07	1.38E-02	0.000731	2.52E-05	0.02461	1.44E-07	0.025367
3463	480363.09	3849377.25	0.31582	0.36748	0.38405	0.19864	5.93E-04	3.2E-05	0.00834	2.2E-07	0.00897	7.27E-04	3.95E-05	0.010272	1.24E-07	1.10E-02	0.000641	3.04E-05	0.01956	1.28E-07	0.020232
3464	480863.09	3849377.25	0.28095	0.27177	0.38753	0.16768	5.28E-04	2.4E-05	0.00842	1.9E-07	0.00897	6.47E-04	2.92E-05	0.010365	1.05E-07	1.10E-02	0.00057	2.25E-05	0.019737	1.08E-07	0.02033
3465	481363.09	3849377.25	0.20215	0.2274	0.23568	0.13792	3.80E-04	2E-05	0.00512	1.5E-07	0.00552	4.66E-04	2.44E-05	0.006303	8.63E-08	6.79E-03	0.00041	1.88E-05	0.012003	8.91E-08	0.012433
3466	481863.09	3849377.25	0.10529	0.14683	0.1328	0.07825	1.98E-04	1.3E-05	0.00288	8.7E-08	0.00309	2.42E-04	1.58E-05	0.003552	4.89E-08	3.81E-03	0.000214	1.21E-05	0.006764	5.05E-08	0.00699
3467	482363.09	3849377.25	0.08086	0.11704	0.10529	0.06767	1.52E-04	1E-05	0.00229	7.6E-08	0.00245	1.86E-04	1.26E-05	0.002816	4.23E-08	3.01E-03	0.000164	9.68E-06	0.005362	4.37E-08	0.005536
3468	482863.09	3849377.25	0.07248	0.08224	0.08587	0.06891	1.36E-04	7.2E-06	0.00186	7.7E-08	0.00201	1.67E-04	8.84E-06	0.002297	4.31E-08	2.47E-03	0.000147	6.8E-06	0.004373	4.45E-08	0.004527
3469	483363.09	3849377.25	0.0669	0.06689	0.08275	0.06019	1.26E-04	5.9E-06	0.0018	6.7E-08	0.00193	1.54E-04	7.19E-06	0.002213	3.76E-08	2.37E-03	0.000136	5.53E-06	0.004215	3.89E-08	0.004356
3470	483863.09	3849377.25	0.05985	0.06111	0.06653	0.0464	1.12E-04	5.4E-06	0.00144	5.2E-08	0.00156	1.38E-04	6.57E-06	0.001779	2.9E-08	1.92E-03	0.000122	5.05E-06	0.003388	3E-08	0.003515
3471	484363.09	3849377.25	0.06696	0.10794	0.07686	0.06695	1.26E-04	9.5E-06	0.00167	7.5E-08	0.0018	1.54E-04	1.16E-05	0.002056	4.19E-08	2.22E-03	0.000136	8.93E-06	0.003915	4.32E-08	0.004059
3472	484863.09	3849377.25	0.08466	0.13136	0.10779	0.06285	1.59E-04	1.2E-05	0.00234	7E-08	0.00251	1.95E-04	1.41E-05	0.002883	3.93E-08	3.09E-03	0.000172	1.09E-05	0.00549	4.06E-08	0.005673
3473	485363.09	3849377.25	0.07371	0.10473	0.10158	0.0622	1.39E-04	9.2E-06	0.00221	6.9E-08	0.00235	1.70E-04	1.13E-05	0.002717	3.89E-08	2.90E-03	0.00015	8.66E-06	0.005174	4.02E-08	0.005332

3474	485863.09	3849377.25	0.06	0.08593	0.06944	0.05724	1.13E-04	7.5E-06	0.00151	6.4E-08	0.00163	1.38E-04	9.24E-06	0.001857	3.58E-08	2.00E-03	0.000122	7.11E-06	0.003537	3.7E-08	0.003666
3475	486363.09	3849377.25	0.05324	0.07032	0.06474	0.05792	1.00E-04	6.2E-06	0.00141	6.5E-08	0.00151	1.23E-04	7.56E-06	0.001732	3.62E-08	1.86E-03	0.000108	5.82E-06	0.003297	3.74E-08	0.003411
3476	486863.09	3849377.25	0.05581	0.08511	0.06681	0.06031	1.05E-04	7.5E-06	0.00145	6.7E-08	0.00156	1.29E-04	9.15E-06	0.001787	3.77E-08	1.92E-03	0.000113	7.04E-06	0.003403	3.9E-08	0.003523
3477	487363.09	3849377.25	0.05865	0.10475	0.06514	0.05439	1.10E-04	9.2E-06	0.00141	6.1E-08	0.00153	1.35E-04	1.13E-05	0.001742	3.4E-08	1.89E-03	0.000119	8.66E-06	0.003318	3.51E-08	0.003445
3478	487863.09	3849377.25	0.05165	0.08786	0.05292	0.04669	9.71E-05	7.7E-06	0.00115	5.2E-08	0.00125	1.19E-04	9.45E-06	0.001415	2.92E-08	1.54E-03	0.000105	7.27E-06	0.002695	3.02E-08	0.002807
3479	488363.09	3849377.25	0.04424	0.08249	0.04654	0.04334	8.31E-05	7.2E-06	0.00101	4.8E-08	0.0011	1.02E-04	8.87E-06	0.001245	2.71E-08	1.36E-03	8.98E-05	6.82E-06	0.00237	2.8E-08	0.002467
3480	488863.09	3849377.25	0.04525	0.08457	0.05439	0.03907	8.50E-05	7.4E-06	0.00118	4.4E-08	0.00127	1.04E-04	9.09E-06	0.001455	2.44E-08	1.57E-03	9.19E-05	6.99E-06	0.00277	2.52E-08	0.002869
3481	489363.09	3849377.25	0.04434	0.07981	0.05543	0.03716	8.33E-05	7E-06	0.0012	4.2E-08	0.00129	1.02E-04	8.58E-06	0.001483	2.32E-08	1.59E-03	9E-05	6.6E-06	0.002823	2.4E-08	0.00292
3482	489863.09	3849377.25	0.04241	0.06764	0.05017	0.03739	7.97E-05	5.9E-06	0.00109	4.2E-08	0.00118	9.77E-05	7.27E-06	0.001342	2.34E-08	1.45E-03	8.61E-05	5.59E-06	0.002555	2.42E-08	0.002647
3483	490363.09	3849377.25	0.03506	0.05971	0.04149	0.03716	6.59E-05	5.2E-06	0.0009	4.2E-08	0.00097	8.07E-05	6.42E-06	0.00111	2.32E-08	1.20E-03	7.12E-05	4.94E-06	0.002113	2.4E-08	0.002189
3484	490863.09	3849377.25	0.03201	0.05163	0.03969	0.03336	6.02E-05	4.5E-06	0.00086	3.7E-08	0.00093	7.37E-05	5.55E-06	0.001062	2.09E-08	1.14E-03	6.5E-05	4.27E-06	0.002021	2.15E-08	0.002091
3485	491363.09	3849377.25	0.02899	0.04778	0.03499	0.03476	5.45E-05	4.2E-06	0.00076	3.9E-08	0.00082	6.68E-05	5.14E-06	0.000936	2.17E-08	1.01E-03	5.89E-05	3.95E-06	0.001782	2.25E-08	0.001845
3486	491863.09	3849377.25	0.02383	0.03693	0.0309	0.03284	4.48E-05	3.2E-06	0.00067	3.7E-08	0.00072	5.49E-05	3.97E-06	0.000826	2.05E-08	8.85E-04	4.84E-05	3.05E-06	0.001574	2.12E-08	0.001625
3487	492363.09	3849377.25	0.02454	0.04194	0.02977	0.02633	4.61E-05	3.7E-06	0.00065	2.9E-08	0.0007	5.65E-05	4.51E-06	0.000796	1.65E-08	8.57E-04	4.98E-05	3.47E-06	0.001516	1.7E-08	0.00157
3488	492863.09	3849377.25	0.02461	0.03857	0.02466	0.02559	4.62E-05	3.4E-06	0.00054	2.9E-08	0.00059	5.67E-05	4.15E-06	0.00066	1.6E-08	7.20E-04	5E-05	3.19E-06	0.001256	1.65E-08	0.001309
3489	493363.09	3849377.25	0.02427	0.04146	0.02507	0.0246	4.56E-05	3.6E-06	0.00054	2.7E-08	0.00059	5.59E-05	4.46E-06	0.000671	1.54E-08	7.31E-04	4.93E-05	3.43E-06	0.001277	1.59E-08	0.00133
3490	493863.09	3849377.25	0.02403	0.03719	0.02607	0.02439	4.52E-05	3.3E-06	0.00057	2.7E-08	0.00061	5.53E-05	4E-06	0.000697	1.53E-08	7.57E-04	4.88E-05	3.08E-06	0.001328	1.58E-08	0.00138
3491	494363.09	3849377.25	0.02641	0.03822	0.02583	0.02386	4.96E-05	3.4E-06	0.00056	2.7E-08	0.00061	6.08E-05	4.11E-06	0.000691	1.49E-08	7.56E-04	5.36E-05	3.16E-06	0.001316	1.54E-08	0.001372
3492	494863.09	3849377.25	0.02965	0.03924	0.03311	0.02577	5.57E-05	3.4E-06	0.00072	2.9E-08	0.00078	6.83E-05	4.22E-06	0.000886	1.61E-08	9.58E-04	6.02E-05	3.25E-06	0.001686	1.66E-08	0.00175
3493	495363.09	3849377.25	0.03285	0.04209	0.03623	0.02642	6.17E-05	3.7E-06	0.00079	3E-08	0.00085	7.56E-05	4.52E-06	0.000969	1.65E-08	1.05E-03	6.67E-05	3.48E-06	0.001845	1.71E-08	0.001915
3494	495863.09	3849377.25	0.02935	0.03781	0.03197	0.02342	5.52E-05	3.3E-06	0.00069	2.6E-08	0.00075	6.76E-05	4.06E-06	0.000855	1.46E-08	9.27E-04	5.96E-05	3.13E-06	0.001628	1.51E-08	0.001691
3495	496363.09	3849377.25	0.02898	0.03638	0.03302	0.02495	5.45E-05	3.2E-06	0.00072	2.8E-08	0.00077	6.67E-05	3.91E-06	0.000883	1.56E-08	9.54E-04	5.88E-05	3.01E-06	0.001682	1.61E-08	0.001744
3496	496863.09	3849377.25	0.03641	0.04573	0.04538	0.03238	6.84E-05	4E-06	0.00099	3.6E-08	0.00106	8.38E-05	4.92E-06	0.001214	2.03E-08	1.30E-03	7.39E-05	3.78E-06	0.002311	2.09E-08	0.002389
3497	497363.09	3849377.25	0.03891	0.05005	0.04383	0.03971	7.31E-05	4.4E-06	0.00095	4.4E-08	0.00103	8.96E-05	5.38E-06	0.001172	2.48E-08	1.27E-03	7.9E-05	4.14E-06	0.002232	2.57E-08	0.002315
3498	497863.09	3849377.25	0.04792	0.06745	0.05579	0.0456	9.01E-05	5.9E-06	0.00121	5.1E-08	0.00131	1.10E-04	7.25E-06	0.001492	2.85E-08	1.61E-03	9.73E-05	5.58E-06	0.002841	2.95E-08	0.002944
3499	498363.09	3849377.25	0.0462	0.07049	0.05578	0.04465	8.68E-05	6.2E-06	0.00121	5E-08	0.0013	1.06E-04	7.58E-06	0.001492	2.79E-08	1.61E-03	9.38E-05	5.83E-06	0.002841	2.88E-08	0.002941
3500	471363.09	3849877.25	0.15832	0.16504	0.20183	0.1187	2.98E-04	1.4E-05	0.00438	1.3E-07	0.0047	3.65E-04	1.77E-05	0.005398	7.42E-08	5.78E-03	0.000321	1.36E-05	0.010279	7.67E-08	0.010614
3501	471863.09	3849877.25	0.19081	0.1786	0.24276	0.17227	3.59E-04	1.6E-05	0.00527	1.9E-07	0.00565	4.39E-04	1.92E-05	0.006493	1.08E-07	6.95E-03	0.000387	1.48E-05	0.012364	1.11E-07	0.012766
3502	472363.09	3849877.25	0.21025	0.20963	0.24318	0.19979	3.95E-04	1.8E-05	0.00528	2.2E-07	0.00569	4.84E-04	2.25E-05	0.006504	1.25E-07	7.01E-03	0.000427	1.73E-05	0.012385	1.29E-07	0.01283
3503	472863.09	3849877.25	0.20638	0.2288	0.23771	0.21555	3.88E-04	2E-05	0.00516	2.4E-07	0.00557	4.75E-04	2.46E-05	0.006358	1.35E-07	6.86E-03	0.000419	1.89E-05	0.012107	1.39E-07	0.012545
3504	473363.09	3849877.25	0.18712	0.24078	0.21035	0.21491	3.52E-04	2.1E-05	0.00457	2.4E-07	0.00494	4.31E-04	2.59E-05	0.005626	1.34E-07	6.08E-03	0.00038	1.99E-05	0.010713	1.39E-07	0.011113
3505	473863.09	3849877.25	0.21886	0.25806	0.24827	0.2613	4.11E-04	2.3E-05	0.00539	2.9E-07	0.00583	5.04E-04	2.77E-05	0.00664	1.63E-07	7.17E-03	0.000444	2.13E-05	0.012645	1.69E-07	0.01311
3506	474363.09	3849877.25	0.24126	0.32593	0.28068	0.32958	4.53E-04	2.9E-05	0.0061	3.7E-07	0.00658	5.56E-04	3.5E-05	0.007507	2.06E-07	8.10E-03	0.00049	2.7E-05	0.014295	2.13E-07	0.014812
3507	474863.09	3849877.25	0.26486	0.33928	0.28776	0.32686	4.98E-04	3E-05	0.00625	3.7E-07	0.00678	6.10E-04	3.65E-05	0.007696	2.04E-07	8.34E-03	0.000538	2.81E-05	0.014656	2.11E-07	0.015222
3508	475363.09	3849877.25	0.2732	0.37294	0.30491	0.34314	5.13E-04	3.3E-05	0.00662	3.8E-07	0.00717	6.29E-04	4.01E-05	0.008155	2.15E-07	8.82E-03	0.000555	3.08E-05	0.015529	2.22E-07	0.016115
3509	475863.09	3849877.25	0.31205	0.37577	0.3515	0.43108	5.86E-04	3.3E-05	0.00763	4.8E-07	0.00825	7.19E-04	4.04E-05	0.009401	2.7E-07	1.02E-02	0.000634	3.11E-05	0.017902	2.78E-07	0.018567
3510	476363.09	3849877.25	0.33095	0.37671	0.33601	0.37279	6.22E-04	3.3E-05	0.0073	4.2E-07	0.00795	7.62E-04	4.05E-05	0.008987	2.33E-07	9.79E-03	0.000672	3.12E-05	0.017113	2.41E-07	0.017817
3511	476863.09	3849877.25	0.32488	0.40375	0.33099	0.4186	6.11E-04	3.5E-05	0.00719	4.7E-07	0.00783	7.48E-04	4.34E-05	0.008853	2.62E-07	9.64E-03	0.00066	3.34E-05	0.016858	2.7E-07	0.017551
3512	477363.09	3849877.25	0.29902	0.36586	0.32188	0.34116	5.62E-04	3.2E-05	0.00699	3.8E-07	0.00758	6.89E-04	3.93E-05	0.008609	2.13E-07	9.34E-03	0.000607	3.03E-05	0.016394	2.2E-07	0.017031
3513	477863.09	3849877.25	0.35508	0.41491	0.388	0.39818	6.67E-04	3.6E-05	0.00843	4.4E-07	0.00913	8.18E-04	4.46E-05	0.010377	2.49E-07	1.12E-02	0.000721	3.43E-05	0.019761	2.57E-07	0.020517
3514	478363.09	3849877.25	0.40367	0.47293	0.40233	0.38308	7.59E-04	4.1E-05	0.00874	4.3E-07	0.00954	9.30E-04	5.08E-05	0.010761	2.4E-07	1.17E-02	0.00082	3.91E-05	0.020491	2.47E-07	0.02135
3515	478863.09	3849877.25	0.43405	0.58846	0.49113	0.49324	8.16E-04	5.2E-05	0.01067	5.5E-07	0.01153	1.00E-03	6.33E-05	0.013136	3.08E-07	1.42E-02	0.000881	4.87E-05	0.025014	3.19E-07	0.025944
3516	479363.09	3849877.25	0.55776	0.65249	0.68547	0.46698	1.05E-03	5.7E-05	0.01489	5.2E-07	0.01599	1.28E-03	7.01E-05	0.018333	2.92E-07	1.97E-02	0.001132	5.4E-05	0.034911	3.02E-07	0.036098
3517	479863.09	3849877.25	0.50665	0.58592	0.60394	0.44724	9.52E-04	5.1E-05	0.01312	5E-07	0.01412	1.17E-03	6.3E-05	0.016153	2.8E-07	1.74E-02	0.001029	4.85E-05	0.030759	2.89E-07	0.031836
3518	480363.09	3849877.25	0.45073	0.45194	0.57882	0.33315	8.47E-04	4E-05	0.01257	3.7E-07	0.01346	1.04E-03	4.86E-05	0.015481	2.08E-07	1.66E-02	0.000915	3.74E-05	0.02948	2.15E-07	0.030432
3519	480863.09	3849877.25	0.31529	0.3619	0.39626	0.19647	5.92E-04	3.2E-05	0.00861	2.2E-07	0.00923	7.26E-04	3.89E-05	0.010598	1.23E-07	1.14E-02	0.00064	2.99E-05	0.020182	1.27E-07	0.020852
3520	481363.09	3849877.25	0.24471	0.25758	0.31197	0.13393	4.60E-04	2.3E-05	0.00677	1.5E-07	0.00726	5.64E-04	2.77E-05	0.008344	8.38E-08	8.94E-03	0.000497	2.13E-05	0.015889	8.65E-08	0.016407
3521	481863.09	3849877.25	0.12675	0.1703	0.16175	0.09505	2.38E-04	1.5E-05	0.00351	1.1E-07	0.00377	2.92E-04	1.83E-05	0.004326	5.94E-08	4.64E-03	0.000257	1.41E-05	0.008238	6.14E-08	0.00851
3522	482363.09	3849877.25	0.08487	0.12184	0.1029	0.07565	1.59E-04	1.1E-05	0.00223	8.5E-08	0.0024	1.95E-04	1.31E-05	0.002752	4.73E-08	2.96E-03	0.000172	1.01E-05	0.005241	4.89E-08	0.005423
3523	482863.09	3849877.25	0.07325	0.09298	0.08437	0.06669	1.38E-04	8.2E-06	0.00183	7.5E-08	0.00198	1.69E-04	1E-05	0.002257	4.17E-08	2.44E-03	0.000149	7.69E-06	0.004297	4.31E-08	0.004453
3524	483363.09	3849877.25	0.06806	0.06665	0.07933	0.06809	1.28E-04	5.8E-06	0.00172	7.6E-08	0.00186	1.57E-04	7.17E-06	0.002122	4.26E-08	2.29E-03	0.000138	5.51E-06	0.00404	4.4E-08	0.004184
3525	483863.09	3849877.25	0.06428	0.06827	0.08214	0.05625	1.21E-04	6E-06	0.00178	6.3E-08	0.00191	1.48E-04	7.34E-06	0.002197	3.52E-08	2.35E-03	0.000131	5.65E-06	0.004183	3.63E-08	0.00432
3526	484363.09	3849877.25	0.0732	0.12391	0.0903	0.07856	1.38E-04	1.1E-05	0.00196	8.8E-08	0.00211	1.69E-04	1.33E-05	0.002415	4.91E-08	2.60E-03	0.000149	1.02E-05	0.004599	5.07E-08	0.004758
3527	484863.09	3849877.25	0.10044	0.17492	0.12808	0.07354	1.89E-04	1.5E-05	0.00278	8.2E-08	0.00299	2.31E-04	1.88E-05	0.003426	4.6E-08	3.68E-03	0.000204	1.45E-05	0.006523	4.75E-08	0.006742
3528	485363.09	3849877.25	0.08529	0.11487	0.11235	0.06923	1.60E-04	1E-05	0.00244	7.7E-08	0.00261	1.96E-04	1.23E-05	0.003005	4.33E-08	3.21E-03	0.000173	9.5E-06	0.005722	4.47E-08	0.005905
3529	485863.09	3849877.25	0.06584	0.11477	0.08031	0.06429	1.24E-04	1E-05	0.00174	7.2E-08	0.00188	1.52E-04	1.23E-05	0.002148	4.02E-08	2.31E-03	0.000134	9.49E-06	0.00409	4.15E-08	0.004233
3530	486363.09	3849877.25	0.0674	0.09048	0.07563	0.06498	1.27E-04	7.9E-06	0.00164	7.3E-08	0.00178	1.55E-04	9.73E-06	0.002023	4.06E-08	2.19E-03	0.000137	7.48E-06	0.003852	4.2E-08	0.003996
3531	486863.09	3849877.25	0.06779	0.11374	0.08239	0.06745	1.27E-04	1E-05	0.00179	7.5E-08	0.00193	1.56E-04	1.22E-05	0.002204	4.22E-08	2.37E-03	0.000138	9.41E-06	0.004196	4.36E-08	0.004343
3532	487363.09	3849877.25	0.06364	0.11801	0.0778	0.05849	1.20E-04	1E-05	0.00169	6.5E-08	0.00182	1.47E-04	1.27E-05	0.002081	3.66E-08	2.24E-03	0.000129	9.76E-06	0.003962	3.78E-08	0.004101
3533	487863.09	3849877.25	0.05694	0.10425	0.05844	0.05039	1.07E-04	9.1E-06	0.00127	5.6E-08	0.00139	1.31E-04	1.12E-05	0.001563	3.15E-08	1.71E-03	0.000116	8.62E-06	0.002976	3.26E-08	0.003101
3534	488363.09	3849877.25	0.04958	0.10111	0.05237	0.05204	9.32E-05	8.9E-06	0.00114	5.8E-08	0.00124	1.14E-04	1.09E-05	0.001401	3.25E-08	1.53E-03	0.000101	8.36E-06	0.002667	3.36E-08	0.002776

3535	488863.09	3849877.25	0.05123	0.07728	0.06404	0.04079	9.63E-05	6.8E-06	0.00139	4.6E-08	0.00149	1.18E-04	8.31E-06	0.001713	2.55E-08	1.84E-03	0.000104	6.39E-06	0.003262	2.63E-08	0.003372
3536	489363.09	3849877.25	0.05114	0.08558	0.06052	0.04038	9.61E-05	7.5E-06	0.00131	4.5E-08	0.00142	1.18E-04	9.2E-06	0.001619	2.53E-08	1.75E-03	0.000104	7.08E-06	0.003082	2.61E-08	0.003193
3537	489863.09	3849877.25	0.04424	0.07873	0.05794	0.03991	8.31E-05	6.9E-06	0.00126	4.5E-08	0.00135	1.02E-04	8.46E-06	0.00155	2.5E-08	1.66E-03	8.98E-05	6.51E-06	0.002951	2.58E-08	0.003047
3538	490363.09	3849877.25	0.03873	0.06503	0.05061	0.03761	7.28E-05	5.7E-06	0.0011	4.2E-08	0.00118	8.92E-05	6.99E-06	0.001354	2.35E-08	1.45E-03	7.86E-05	5.38E-06	0.002578	2.43E-08	0.002662
3539	490863.09	3849877.25	0.0345	0.05912	0.04444	0.03663	6.48E-05	5.2E-06	0.00097	4.1E-08	0.00104	7.94E-05	6.36E-06	0.001189	2.29E-08	1.27E-03	7E-05	4.89E-06	0.002263	2.37E-08	0.002338
3540	491363.09	3849877.25	0.03252	0.04852	0.03895	0.0344	6.11E-05	4.3E-06	0.00085	3.8E-08	0.00091	7.49E-05	5.22E-06	0.001042	2.15E-08	1.12E-03	6.6E-05	4.01E-06	0.001984	2.22E-08	0.002054
3541	491863.09	3849877.25	0.03252	0.05051	0.03356	0.03233	6.11E-05	4.4E-06	0.00073	3.6E-08	0.00079	7.49E-05	5.43E-06	0.000898	2.02E-08	9.78E-04	6.6E-05	4.18E-06	0.001709	2.09E-08	0.001779
3542	492363.09	3849877.25	0.032	0.05891	0.03344	0.02999	6.01E-05	5.2E-06	0.00073	3.4E-08	0.00079	7.37E-05	6.33E-06	0.000894	1.88E-08	9.74E-04	6.5E-05	4.87E-06	0.001703	1.94E-08	0.001773
3543	492863.09	3849877.25	0.02995	0.0492	0.03433	0.02523	5.63E-05	4.3E-06	0.00075	2.8E-08	0.00081	6.90E-05	5.29E-06	0.000918	1.58E-08	9.92E-04	6.08E-05	4.07E-06	0.001748	1.63E-08	0.001813
3544	493363.09	3849877.25	0.02874	0.04539	0.03168	0.02638	5.40E-05	4E-06	0.00069	2.9E-08	0.00075	6.62E-05	4.88E-06	0.000847	1.65E-08	9.18E-04	5.84E-05	3.75E-06	0.001613	1.7E-08	0.001676
3545	493863.09	3849877.25	0.02917	0.03935	0.03075	0.02407	5.48E-05	3.5E-06	0.00067	2.7E-08	0.00073	6.72E-05	4.23E-06	0.000822	1.51E-08	8.94E-04	5.92E-05	3.25E-06	0.001566	1.55E-08	0.001629
3546	494363.09	3849877.25	0.03507	0.0435	0.03783	0.02977	6.59E-05	3.8E-06	0.00082	3.3E-08	0.00089	8.08E-05	4.68E-06	0.001012	1.86E-08	1.10E-03	7.12E-05	3.6E-06	0.001927	1.92E-08	0.002002
3547	494863.09	3849877.25	0.04031	0.05323	0.04563	0.03359	7.58E-05	4.7E-06	0.00099	3.8E-08	0.00107	9.28E-05	5.72E-06	0.00122	2.1E-08	1.32E-03	8.18E-05	4.4E-06	0.002324	2.17E-08	0.00241
3548	495363.09	3849877.25	0.03711	0.04997	0.04424	0.02987	6.97E-05	4.4E-06	0.00096	3.3E-08	0.00103	8.55E-05	5.37E-06	0.001183	1.87E-08	1.27E-03	7.53E-05	4.13E-06	0.002253	1.93E-08	0.002333
3549	495863.09	3849877.25	0.04174	0.05417	0.05138	0.03567	7.84E-05	4.8E-06	0.00112	4E-08	0.0012	9.61E-05	5.82E-06	0.001374	2.23E-08	1.48E-03	8.47E-05	4.48E-06	0.002617	2.3E-08	0.002706
3550	496363.09	3849877.25	0.04339	0.05402	0.05146	0.04258	8.15E-05	4.7E-06	0.00112	4.8E-08	0.0012	9.99E-05	5.81E-06	0.001376	2.66E-08	1.48E-03	8.81E-05	4.47E-06	0.002621	2.75E-08	0.002713
3551	496863.09	3849877.25	0.04361	0.06388	0.05134	0.04255	8.20E-05	5.6E-06	0.00111	4.8E-08	0.0012	1.00E-04	6.87E-06	0.001373	2.66E-08	1.48E-03	8.85E-05	5.28E-06	0.002615	2.75E-08	0.002709
3552	497363.09	3849877.25	0.05302	0.08286	0.05934	0.04741	9.96E-05	7.3E-06	0.00129	5.3E-08	0.0014	1.22E-04	8.91E-06	0.001587	2.97E-08	1.72E-03	0.000108	6.85E-06	0.003022	3.06E-08	0.003137
3553	497863.09	3849877.25	0.0563	0.07661	0.06506	0.05015	1.06E-04	6.7E-06	0.00141	5.6E-08	0.00153	1.30E-04	8.24E-06	0.00174	3.14E-08	1.88E-03	0.000114	6.34E-06	0.003314	3.24E-08	0.003434
3554	498363.09	3849877.25	0.05279	0.07435	0.06059	0.05011	9.92E-05	6.5E-06	0.00132	5.6E-08	0.00142	1.22E-04	7.99E-06	0.001621	3.13E-08	1.75E-03	0.000107	6.15E-06	0.003086	3.24E-08	0.003199
3555	471363.09	3850377.25	0.11301	0.13463	0.13641	0.08382	2.12E-04	1.2E-05	0.00296	9.4E-08	0.00319	2.60E-04	1.45E-05	0.003648	5.24E-08	3.92E-03	0.000229	1.11E-05	0.006947	5.41E-08	0.007188
3556	471863.09	3850377.25	0.15514	0.18168	0.1902	0.10652	2.92E-04	1.6E-05	0.00413	1.2E-07	0.00444	3.57E-04	1.95E-05	0.005087	6.66E-08	5.46E-03	0.000315	1.5E-05	0.009687	6.88E-08	0.010017
3557	472363.09	3850377.25	0.18135	0.19399	0.22306	0.14011	3.41E-04	1.7E-05	0.00484	1.6E-07	0.0052	4.18E-04	2.09E-05	0.005966	8.76E-08	6.40E-03	0.000368	1.6E-05	0.011361	9.05E-08	0.011745
3558	472863.09	3850377.25	0.20951	0.19739	0.2514	0.21108	3.94E-04	1.7E-05	0.00546	2.4E-07	0.00587	4.82E-04	2.12E-05	0.006724	1.32E-07	7.23E-03	0.000425	1.63E-05	0.012804	1.36E-07	0.013246
3559	473363.09	3850377.25	0.23069	0.21744	0.26801	0.21958	4.34E-04	1.9E-05	0.00582	2.5E-07	0.00627	5.31E-04	2.34E-05	0.007168	1.37E-07	7.72E-03	0.000468	1.8E-05	0.01365	1.42E-07	0.014136
3560	473863.09	3850377.25	0.22957	0.24985	0.26968	0.23526	4.31E-04	2.2E-05	0.00586	2.6E-07	0.00631	5.29E-04	2.69E-05	0.007213	1.47E-07	7.77E-03	0.000466	2.07E-05	0.013735	1.52E-07	0.014222
3561	474363.09	3850377.25	0.21021	0.26065	0.23683	0.24324	3.95E-04	2.3E-05	0.00514	2.7E-07	0.00556	4.84E-04	2.8E-05	0.006334	1.52E-07	6.85E-03	0.000427	2.16E-05	0.012062	1.57E-07	0.01251
3562	474863.09	3850377.25	0.22715	0.28375	0.27156	0.31018	4.27E-04	2.5E-05	0.0059	3.5E-07	0.00635	5.23E-04	3.05E-05	0.007263	1.94E-07	7.82E-03	0.000461	2.35E-05	0.013831	2E-07	0.014316
3563	475363.09	3850377.25	0.25715	0.35677	0.30081	0.39799	4.83E-04	3.1E-05	0.00653	4.4E-07	0.00705	5.92E-04	3.84E-05	0.008045	2.49E-07	8.68E-03	0.000522	2.95E-05	0.01532	2.57E-07	0.015872
3564	475863.09	3850377.25	0.27095	0.36757	0.31219	0.40144	5.09E-04	3.2E-05	0.00678	4.5E-07	0.00732	6.24E-04	3.95E-05	0.00835	2.51E-07	9.01E-03	0.00055	3.04E-05	0.0159	2.59E-07	0.016481
3565	476363.09	3850377.25	0.30743	0.38122	0.3164	0.37754	5.78E-04	3.3E-05	0.00687	4.2E-07	0.00748	7.08E-04	4.1E-05	0.008462	2.36E-07	9.21E-03	0.000624	3.15E-05	0.016114	2.44E-07	0.01677
3566	476863.09	3850377.25	0.34219	0.44718	0.38693	0.44982	6.43E-04	3.9E-05	0.0084	5E-07	0.00909	7.88E-04	4.81E-05	0.010349	2.81E-07	1.12E-02	0.000695	3.7E-05	0.019707	2.91E-07	0.020439
3567	477363.09	3850377.25	0.35199	0.41291	0.36575	0.44598	6.61E-04	3.6E-05	0.00794	5E-07	0.00864	8.11E-04	4.44E-05	0.009782	2.79E-07	1.06E-02	0.000715	3.41E-05	0.018628	2.88E-07	0.019377
3568	477863.09	3850377.25	0.34174	0.42739	0.38372	0.39789	6.42E-04	3.7E-05	0.00833	4.4E-07	0.00901	7.87E-04	4.59E-05	0.010263	2.49E-07	1.11E-02	0.000694	3.53E-05	0.019543	2.57E-07	0.020273
3569	478363.09	3850377.25	0.39422	0.43359	0.39083	0.4185	7.41E-04	3.8E-05	0.00849	4.7E-07	0.00927	9.08E-04	4.66E-05	0.010453	2.62E-07	1.14E-02	0.0008	3.59E-05	0.019905	2.7E-07	0.020742
3570	478863.09	3850377.25	0.39266	0.44679	0.37993	0.4132	7.38E-04	3.9E-05	0.00825	4.6E-07	0.00903	9.04E-04	4.8E-05	0.010161	2.58E-07	1.11E-02	0.000797	3.69E-05	0.01935	2.67E-07	0.020185
3571	479363.09	3850377.25	0.44995	0.57317	0.48036	0.54393	8.46E-04	5E-05	0.01043	6.1E-07	0.01133	1.04E-03	6.16E-05	0.012848	3.4E-07	1.39E-02	0.000914	4.74E-05	0.024465	3.51E-07	0.025426
3572	479863.09	3850377.25	0.58727	0.71209	0.68371	0.60856	1.10E-03	6.2E-05	0.01485	6.8E-07	0.01601	1.35E-03	7.66E-05	0.018286	3.81E-07	1.97E-02	0.001192	5.89E-05	0.034822	3.93E-07	0.036073
3573	480363.09	3850377.25	0.56092	0.65506	0.68716	0.49338	1.05E-03	5.7E-05	0.01492	5.5E-07	0.01603	1.29E-03	7.04E-05	0.018379	3.09E-07	1.97E-02	0.001139	5.42E-05	0.034997	3.19E-07	0.036191
3574	480863.09	3850377.25	0.51867	0.60575	0.6241	0.48774	9.75E-04	5.3E-05	0.01355	5.4E-07	0.01458	1.19E-03	6.51E-05	0.016692	3.05E-07	1.80E-02	0.001053	5.01E-05	0.031786	3.15E-07	0.032889
3575	481363.09	3850377.25	0.31728	0.30992	0.44415	0.18233	5.96E-04	2.7E-05	0.00965	2E-07	0.01027	7.31E-04	3.33E-05	0.011879	1.14E-07	1.26E-02	0.000644	2.56E-05	0.022621	1.18E-07	0.023291
3576	481863.09	3850377.25	0.27087	0.29774	0.31687	0.15435	5.09E-04	2.6E-05	0.00688	1.7E-07	0.00742	6.24E-04	3.2E-05	0.008475	9.65E-08	9.13E-03	0.00055	2.46E-05	0.016138	9.97E-08	0.016713
3577	482363.09	3850377.25	0.23476	0.24732	0.2508	0.14603	4.41E-04	2.2E-05	0.00545	1.6E-07	0.00591	5.41E-04	2.66E-05	0.006708	9.13E-08	7.28E-03	0.000477	2.05E-05	0.012773	9.43E-08	0.013271
3578	482863.09	3850377.25	0.10739	0.16002	0.13284	0.08828	2.02E-04	1.4E-05	0.00288	9.9E-08	0.0031	2.47E-04	1.72E-05	0.003553	5.52E-08	3.82E-03	0.000218	1.32E-05	0.006766	5.7E-08	0.006997
3579	483363.09	3850377.25	0.08911	0.09695	0.10448	0.08514	1.67E-04	8.5E-06	0.00227	9.5E-08	0.00244	2.05E-04	1.04E-05	0.002794	5.33E-08	3.01E-03	0.000181	8.02E-06	0.005321	5.5E-08	0.00551
3580	483863.09	3850377.25	0.097	0.11889	0.11404	0.08328	1.82E-04	1E-05	0.00248	9.3E-08	0.00267	2.23E-04	1.28E-05	0.00305	5.21E-08	3.29E-03	0.000197	9.83E-06	0.005808	5.38E-08	0.006015
3581	484363.09	3850377.25	0.09464	0.16392	0.12537	0.08471	1.78E-04	1.4E-05	0.00272	9.5E-08	0.00291	2.18E-04	1.76E-05	0.003353	5.3E-08	3.59E-03	0.000192	1.36E-05	0.006385	5.47E-08	0.006591
3582	484863.09	3850377.25	0.11941	0.18976	0.14517	0.08608	2.24E-04	1.7E-05	0.00315	9.6E-08	0.00339	2.75E-04	2.04E-05	0.003883	5.38E-08	4.18E-03	0.000242	1.57E-05	0.007394	5.56E-08	0.007652
3583	485363.09	3850377.25	0.11656	0.16399	0.14543	0.07893	2.19E-04	1.4E-05	0.00316	8.8E-08	0.00339	2.68E-04	1.76E-05	0.00389	4.94E-08	4.18E-03	0.000237	1.36E-05	0.007407	5.1E-08	0.007657
3584	485863.09	3850377.25	0.09182	0.16291	0.10728	0.07394	1.73E-04	1.4E-05	0.00233	8.3E-08	0.00252	2.11E-04	1.75E-05	0.002869	4.62E-08	3.10E-03	0.000186	1.35E-05	0.005464	4.78E-08	0.005664
3585	486363.09	3850377.25	0.08664	0.13745	0.09937	0.07311	1.63E-04	1.2E-05	0.00216	8.2E-08	0.00233	2.00E-04	1.48E-05	0.002658	4.57E-08	2.87E-03	0.000176	1.14E-05	0.005061	4.72E-08	0.005248
3586	486863.09	3850377.25	0.0861	0.13466	0.10348	0.07462	1.62E-04	1.2E-05	0.00225	8.3E-08	0.00242	1.98E-04	1.45E-05	0.002768	4.67E-08	2.98E-03	0.000175	1.11E-05	0.00527	4.82E-08	0.005456
3587	487363.09	3850377.25	0.07238	0.12906	0.08422	0.06616	1.36E-04	1.1E-05	0.00183	7.4E-08	0.00198	1.67E-04	1.39E-05	0.002253	4.14E-08	2.43E-03	0.000147	1.07E-05	0.004289	4.27E-08	0.004447
3588	487863.09	3850377.25	0.06321	0.13075	0.06799	0.0662	1.19E-04	1.1E-05	0.00148	7.4E-08	0.00161	1.46E-04	1.41E-05	0.001818	4.14E-08	1.98E-03	0.000128	1.08E-05	0.003463	4.28E-08	0.003602
3589	488363.09	3850377.25	0.05992	0.10139	0.06892	0.05519	1.13E-04	8.9E-06	0.0015	6.2E-08	0.00162	1.38E-04	1.09E-05	0.001843	3.45E-08	1.99E-03	0.000122	8.38E-06	0.00351	3.57E-08	0.00364
3590	488863.09	3850377.25	0.0538	0.09311	0.06561	0.0442	1.01E-04	8.2E-06	0.00142	4.9E-08	0.00153	1.24E-04	1E-05	0.001755	2.76E-08	1.89E-03	0.000109	7.7E-06	0.003342	2.86E-08	0.003459
3591	489363.09	3850377.25	0.05297	0.10098	0.06236	0.04696	9.95E-05	8.9E-06	0.00135	5.2E-08	0.00146	1.22E-04	1.09E-05	0.001668	2.94E-08	1.80E-03	0.000108	8.35E-06	0.003176	3.03E-08	0.003292
3592	489863.09	3850377.25	0.04457	0.08928	0.06132	0.04448	8.38E-05	7.8E-06	0.00133	5E-08	0.00142	1.03E-04	9.6E-06	0.00164	2.78E-08	1.75E-03	9.05E-05	7.38E-06	0.003123	2.87E-08	0.003221
3593	490363.09	3850377.25	0.04183	0.0662	0.05543	0.0423	7.86E-05	5.8E-06	0.0012	4.7E-08	0.00129	9.63E-05	7.12E-06	0.001483	2.65E-08	1.59E-03	8.49E-05	5.47E-06	0.002823	2.73E-08	0.002914
3594	490863.09	3850377.25	0.04354	0.07623	0.04651	0.04074	8.18E-05	6.7E-06	0.00101	4.6E-08	0.0011	1.00E-04	8.19E-06	0.001244	2.55E-08	1.35E-03	8.84E-05	6.3E-06	0.002369	2.63E-08	0.002464
3595	491363.09	3850377.25	0.04495	0.07811	0.0452	0.03657	8.45E-05	6.9E-06	0.00098	4.1E-08	0.00107	1.04E-04	8.4E-06	0.001209	2.29E-08	1.32E-03	9.13E-05	6.46E-06	0.002302	2.36E-08	0.0024

3596	491863.09	3850377.25	0.04336	0.07136	0.04343	0.03153	8.15E-05	6.3E-06	0.00094	3.5E-08	0.00103	9.99E-05	7.67E-06	0.001162	1.97E-08	1.27E-03	8.8E-05	5.9E-06	0.002212	2.04E-08	0.002306
3597	492363.09	3850377.25	0.03923	0.05917	0.04336	0.03207	7.37E-05	5.2E-06	0.00094	3.6E-08	0.00102	9.03E-05	6.36E-06	0.00116	2.01E-08	1.26E-03	7.97E-05	4.89E-06	0.002208	2.07E-08	0.002293
3598	492863.09	3850377.25	0.03759	0.06515	0.04127	0.03428	7.06E-05	5.7E-06	0.0009	3.8E-08	0.00097	8.66E-05	7E-06	0.001104	2.14E-08	1.20E-03	7.63E-05	5.39E-06	0.002102	2.21E-08	0.002184
3599	493363.09	3850377.25	0.0372	0.05196	0.03867	0.03061	6.99E-05	4.6E-06	0.00084	3.4E-08	0.00091	8.57E-05	5.59E-06	0.001034	1.91E-08	1.13E-03	7.55E-05	4.3E-06	0.001969	1.98E-08	0.002049
3600	493863.09	3850377.25	0.04097	0.04995	0.04544	0.03332	7.70E-05	4.4E-06	0.00099	3.7E-08	0.00107	9.43E-05	5.37E-06	0.001215	2.08E-08	1.32E-03	8.32E-05	4.13E-06	0.002314	2.15E-08	0.002402
3601	494363.09	3850377.25	0.04366	0.05926	0.05112	0.03415	8.20E-05	5.2E-06	0.00111	3.8E-08	0.0012	1.01E-04	6.37E-06	0.001367	2.14E-08	1.47E-03	8.86E-05	4.9E-06	0.002604	2.21E-08	0.002697
3602	494863.09	3850377.25	0.04768	0.06338	0.05684	0.03941	8.96E-05	5.6E-06	0.00123	4.4E-08	0.00133	1.10E-04	6.81E-06	0.00152	2.46E-08	1.64E-03	9.68E-05	5.24E-06	0.002895	2.55E-08	0.002997
3603	495363.09	3850377.25	0.05201	0.0721	0.05921	0.04923	9.77E-05	6.3E-06	0.00129	5.5E-08	0.00139	1.20E-04	7.75E-06	0.001584	3.08E-08	1.71E-03	0.000106	5.96E-06	0.003016	3.18E-08	0.003127
3604	495863.09	3850377.25	0.05026	0.07635	0.05531	0.04628	9.44E-05	6.7E-06	0.0012	5.2E-08	0.0013	1.16E-04	8.21E-06	0.001479	2.89E-08	1.60E-03	0.000102	6.31E-06	0.002817	2.99E-08	0.002925
3605	496363.09	3850377.25	0.05555	0.07891	0.06327	0.05008	1.04E-04	6.9E-06	0.00137	5.6E-08	0.00149	1.28E-04	8.48E-06	0.001692	3.13E-08	1.83E-03	0.000113	6.53E-06	0.003222	3.24E-08	0.003342
3606	496863.09	3850377.25	0.0614	0.0881	0.07027	0.05302	1.15E-04	7.7E-06	0.00153	5.9E-08	0.00165	1.41E-04	9.47E-06	0.001879	3.32E-08	2.03E-03	0.000125	7.29E-06	0.003579	3.42E-08	0.003711
3607	497363.09	3850377.25	0.06315	0.09135	0.07476	0.05675	1.19E-04	8E-06	0.00162	6.3E-08	0.00175	1.45E-04	9.82E-06	0.002	3.55E-08	2.15E-03	0.000128	7.55E-06	0.003808	3.67E-08	0.003943
3608	497863.09	3850377.25	0.061	0.08795	0.07577	0.05443	1.15E-04	7.7E-06	0.00165	6.1E-08	0.00177	1.40E-04	9.45E-06	0.002027	3.4E-08	2.18E-03	0.000124	7.27E-06	0.003859	3.52E-08	0.00399
3609	498363.09	3850377.25	0.05835	0.08758	0.07317	0.05657	1.10E-04	7.7E-06	0.00159	6.3E-08	0.00171	1.34E-04	9.42E-06	0.001957	3.54E-08	2.10E-03	0.000118	7.24E-06	0.003727	3.65E-08	0.003852
3610	471363.09	3850877.25	0.11989	0.14699	0.14387	0.09789	2.25E-04	1.3E-05	0.00312	1.1E-07	0.00336	2.76E-04	1.58E-05	0.003848	6.12E-08	4.14E-03	0.000243	1.22E-05	0.007327	6.32E-08	0.007583
3611	471863.09	3850877.25	0.15018	0.18335	0.18161	0.12169	2.82E-04	1.6E-05	0.00394	1.4E-07	0.00424	3.46E-04	1.97E-05	0.004857	7.61E-08	5.22E-03	0.000305	1.52E-05	0.00925	7.86E-08	0.00957
3612	472363.09	3850877.25	0.17026	0.22878	0.21524	0.14567	3.20E-04	2E-05	0.00467	1.6E-07	0.00501	3.92E-04	2.46E-05	0.005757	9.11E-08	6.17E-03	0.000346	1.89E-05	0.010962	9.41E-08	0.011327
3613	472863.09	3850877.25	0.19192	0.23641	0.23101	0.16931	3.61E-04	2.1E-05	0.00502	1.9E-07	0.0054	4.42E-04	2.54E-05	0.006179	1.06E-07	6.65E-03	0.00039	1.96E-05	0.011765	1.09E-07	0.012175
3614	473363.09	3850877.25	0.20085	0.23269	0.24809	0.15757	3.77E-04	2E-05	0.00539	1.8E-07	0.00579	4.63E-04	2.5E-05	0.006635	9.86E-08	7.12E-03	0.000408	1.92E-05	0.012635	1.02E-07	0.013063
3615	473863.09	3850877.25	0.23154	0.23492	0.26592	0.20962	4.35E-04	2.1E-05	0.00577	2.3E-07	0.00623	5.33E-04	2.53E-05	0.007112	1.31E-07	7.67E-03	0.00047	1.94E-05	0.013543	1.35E-07	0.014033
3616	474363.09	3850877.25	0.24905	0.24489	0.28157	0.26506	4.68E-04	2.1E-05	0.00611	3E-07	0.0066	5.74E-04	2.63E-05	0.007531	1.66E-07	8.13E-03	0.000506	2.03E-05	0.014341	1.71E-07	0.014867
3617	474863.09	3850877.25	0.23947	0.26523	0.28661	0.26349	4.50E-04	2.3E-05	0.00622	2.9E-07	0.0067	5.51E-04	2.85E-05	0.007666	1.65E-07	8.25E-03	0.000486	2.19E-05	0.014597	1.7E-07	0.015106
3618	475363.09	3850877.25	0.23453	0.31934	0.25131	0.27074	4.41E-04	2.8E-05	0.00546	3E-07	0.00593	5.40E-04	3.43E-05	0.006721	1.69E-07	7.30E-03	0.000476	2.64E-05	0.012799	1.75E-07	0.013302
3619	475863.09	3850877.25	0.23379	0.33116	0.28997	0.36832	4.39E-04	2.9E-05	0.0063	4.1E-07	0.00677	5.38E-04	3.56E-05	0.007755	2.3E-07	8.33E-03	0.000475	2.74E-05	0.014768	2.38E-07	0.015271
3620	476363.09	3850877.25	0.2771	0.37156	0.33291	0.44718	5.21E-04	3.3E-05	0.00723	5E-07	0.00778	6.38E-04	3.99E-05	0.008904	2.8E-07	9.58E-03	0.000563	3.07E-05	0.016955	2.89E-07	0.017549
3621	476863.09	3850877.25	0.30674	0.40852	0.32968	0.43148	5.76E-04	3.6E-05	0.00716	4.8E-07	0.00777	7.06E-04	4.39E-05	0.008818	2.7E-07	9.57E-03	0.000623	3.38E-05	0.016791	2.79E-07	0.017448
3622	477363.09	3850877.25	0.35665	0.4557	0.3825	0.51355	6.70E-04	4E-05	0.00831	5.7E-07	0.00902	8.21E-04	4.9E-05	0.01023	3.21E-07	1.11E-02	0.000724	3.77E-05	0.019481	3.32E-07	0.020243
3623	477863.09	3850877.25	0.38884	0.49136	0.3992	0.4625	7.31E-04	4.3E-05	0.00867	5.2E-07	0.00944	8.95E-04	5.28E-05	0.010677	2.89E-07	1.16E-02	0.000789	4.06E-05	0.020331	2.99E-07	0.021162
3624	478363.09	3850877.25	0.39869	0.49972	0.41441	0.53803	7.49E-04	4.4E-05	0.009	6E-07	0.00979	9.18E-04	5.37E-05	0.011084	3.37E-07	1.21E-02	0.000809	4.13E-05	0.021106	3.48E-07	0.021957
3625	478863.09	3850877.25	0.3803	0.46895	0.39684	0.49716	7.15E-04	4.1E-05	0.00862	5.6E-07	0.00937	8.76E-04	5.04E-05	0.010614	3.11E-07	1.15E-02	0.000772	3.88E-05	0.020211	3.21E-07	0.021023
3626	479363.09	3850877.25	0.40292	0.48776	0.41686	0.47153	7.57E-04	4.3E-05	0.00905	5.3E-07	0.00985	9.28E-04	5.24E-05	0.011149	2.95E-07	1.21E-02	0.000818	4.03E-05	0.021231	3.05E-07	0.02209
3627	479863.09	3850877.25	0.50841	0.63155	0.52002	0.61324	9.55E-04	5.5E-05	0.01129	6.9E-07	0.0123	1.17E-03	6.79E-05	0.013908	3.84E-07	1.51E-02	0.001032	5.22E-05	0.026485	3.96E-07	0.02757
3628	480363.09	3850877.25	0.52455	0.6943	0.60517	0.80711	9.86E-04	6.1E-05	0.01314	9E-07	0.01419	1.21E-03	7.46E-05	0.016186	5.05E-07	1.75E-02	0.001065	5.74E-05	0.030822	5.21E-07	0.031945
3629	480863.09	3850877.25	0.52184	0.67363	0.60241	0.71661	9.81E-04	5.9E-05	0.01308	8E-07	0.01412	1.20E-03	7.24E-05	0.016112	4.48E-07	1.74E-02	0.00106	5.57E-05	0.030681	4.63E-07	0.031797
3630	481363.09	3850877.25	0.55256	0.70327	0.63589	0.61477	1.04E-03	6.2E-05	0.01381	6.9E-07	0.01491	1.27E-03	7.56E-05	0.017007	3.85E-07	1.84E-02	0.001122	5.82E-05	0.032386	3.97E-07	0.033567
3631	481863.09	3850877.25	0.49948	0.59384	0.68637	0.34639	9.39E-04	5.2E-05	0.01491	3.9E-07	0.0159	1.15E-03	6.38E-05	0.018357	2.17E-07	1.96E-02	0.001014	4.91E-05	0.034957	2.24E-07	0.036021
3632	482363.09	3850877.25	0.32024	0.43826	0.41116	0.20139	6.02E-04	3.8E-05	0.00893	2.3E-07	0.00957	7.37E-04	4.71E-05	0.010997	1.26E-07	1.18E-02	0.00065	3.62E-05	0.020941	1.3E-07	0.021627
3633	482863.09	3850877.25	0.23334	0.28772	0.26228	0.13464	4.38E-04	2.5E-05	0.0057	1.5E-07	0.00616	5.37E-04	3.09E-05	0.007015	8.42E-08	7.58E-03	0.000474	2.38E-05	0.013358	8.7E-08	0.013856
3634	483363.09	3850877.25	0.14107	0.14942	0.18801	0.11988	2.65E-04	1.3E-05	0.00408	1.3E-07	0.00436	3.25E-04	1.61E-05	0.005028	7.5E-08	5.37E-03	0.000286	1.24E-05	0.009575	7.74E-08	0.009874
3635	483863.09	3850877.25	0.13469	0.19662	0.16987	0.09731	2.53E-04	1.7E-05	0.00369	1.1E-07	0.00396	3.10E-04	2.11E-05	0.004543	6.09E-08	4.87E-03	0.000273	1.63E-05	0.008652	6.29E-08	0.008941
3636	484363.09	3850877.25	0.14357	0.21121	0.17967	0.11177	2.70E-04	1.9E-05	0.0039	1.2E-07	0.00419	3.31E-04	2.27E-05	0.004805	6.99E-08	5.16E-03	0.000292	1.75E-05	0.009151	7.22E-08	0.00946
3637	484863.09	3850877.25	0.1322	0.21991	0.15918	0.09866	2.48E-04	1.9E-05	0.00346	1.1E-07	0.00372	3.04E-04	2.36E-05	0.004257	6.17E-08	4.59E-03	0.000268	1.82E-05	0.008107	6.37E-08	0.008394
3638	485363.09	3850877.25	0.13347	0.21373	0.17033	0.09001	2.51E-04	1.9E-05	0.0037	1E-07	0.00397	3.07E-04	2.3E-05	0.004556	5.63E-08	4.89E-03	0.000271	1.77E-05	0.008675	5.81E-08	0.008964
3639	485863.09	3850877.25	0.1038	0.18333	0.13187	0.07724	1.95E-04	1.6E-05	0.00286	8.6E-08	0.00307	2.39E-04	1.97E-05	0.003527	4.83E-08	3.79E-03	0.000211	1.52E-05	0.006716	4.99E-08	0.006942
3640	486363.09	3850877.25	0.10424	0.20095	0.12179	0.07875	1.96E-04	1.8E-05	0.00264	8.8E-08	0.00286	2.40E-04	2.16E-05	0.003257	4.93E-08	3.52E-03	0.000212	1.66E-05	0.006203	5.09E-08	0.006431
3641	486863.09	3850877.25	0.10259	0.15384	0.1311	0.0831	1.93E-04	1.3E-05	0.00285	9.3E-08	0.00305	2.36E-04	1.65E-05	0.003506	5.2E-08	3.76E-03	0.000208	1.27E-05	0.006677	5.37E-08	0.006898
3642	487363.09	3850877.25	0.0783	0.15453	0.09692	0.07944	1.47E-04	1.4E-05	0.0021	8.9E-08	0.00227	1.80E-04	1.66E-05	0.002592	4.97E-08	2.79E-03	0.000159	1.28E-05	0.004936	5.13E-08	0.005108
3643	487863.09	3850877.25	0.07513	0.14562	0.08276	0.07014	1.41E-04	1.3E-05	0.0018	7.8E-08	0.00195	1.73E-04	1.57E-05	0.002213	4.39E-08	2.40E-03	0.000153	1.2E-05	0.004215	4.53E-08	0.00438
3644	488363.09	3850877.25	0.06573	0.10907	0.08135	0.06733	1.24E-04	9.6E-06	0.00177	7.5E-08	0.0019	1.51E-04	1.17E-05	0.002176	4.21E-08	2.34E-03	0.000133	9.02E-06	0.004143	4.35E-08	0.004286
3645	488863.09	3850877.25	0.06185	0.11766	0.07309	0.05782	1.16E-04	1E-05	0.00159	6.5E-08	0.00171	1.42E-04	1.26E-05	0.001955	3.62E-08	2.11E-03	0.000126	9.73E-06	0.003723	3.73E-08	0.003858
3646	489363.09	3850877.25	0.06169	0.12522	0.07269	0.05505	1.16E-04	1.1E-05	0.00158	6.2E-08	0.00171	1.42E-04	1.35E-05	0.001944	3.44E-08	2.10E-03	0.000125	1.04E-05	0.003702	3.56E-08	0.003838
3647	489863.09	3850877.25	0.05297	0.10463	0.06133	0.05028	9.95E-05	9.2E-06	0.00133	5.6E-08	0.00144	1.22E-04	1.12E-05	0.00164	3.14E-08	1.77E-03	0.000108	8.65E-06	0.003124	3.25E-08	0.00324
3648	490363.09	3850877.25	0.05332	0.10603	0.05651	0.05016	1.00E-04	9.3E-06	0.00123	5.6E-08	0.00134	1.23E-04	1.14E-05	0.001511	3.14E-08	1.65E-03	0.000108	8.77E-06	0.002878	3.24E-08	0.002995
3649	490863.09	3850877.25	0.05619	0.11069	0.05923	0.04647	1.06E-04	9.7E-06	0.00129	5.2E-08	0.0014	1.29E-04	1.19E-05	0.001584	2.91E-08	1.73E-03	0.000114	9.15E-06	0.003017	3E-08	0.00314
3650	491363.09	3850877.25	0.05742	0.09515	0.05729	0.04456	1.08E-04	8.3E-06	0.00124	5E-08	0.00136	1.32E-04	1.02E-05	0.001532	2.79E-08	1.67E-03	0.000117	7.87E-06	0.002918	2.88E-08	0.003042
3651	491863.09	3850877.25	0.0536	0.08626	0.05962	0.03914	1.01E-04	7.6E-06	0.00129	4.4E-08	0.0014	1.23E-04	9.27E-06	0.001595	2.45E-08	1.73E-03	0.000109	7.13E-06	0.003036	2.53E-08	0.003152
3652	492363.09	3850877.25	0.04737	0.08297	0.05174	0.0386	8.90E-05	7.3E-06	0.00112	4.3E-08	0.00122	1.09E-04	8.92E-06	0.001384	2.41E-08	1.50E-03	9.62E-05	6.86E-06	0.002635	2.49E-08	0.002738
3653	492863.09	3850877.25	0.04991	0.07721	0.05402	0.03928	9.38E-05	6.8E-06	0.00117	4.4E-08	0.00127	1.15E-04	8.3E-06	0.001445	2.46E-08	1.57E-03	0.000101	6.39E-06	0.002751	2.54E-08	0.002859
3654	493363.09	3850877.25	0.05032	0.07076	0.05831	0.04442	9.46E-05	6.2E-06	0.00127	5E-08	0.00137	1.16E-04	7.61E-06	0.00156	2.78E-08	1.68E-03	0.000102	5.85E-06	0.00297	2.87E-08	0.003078
3655	493863.09	3850877.25	0.05359	0.08206	0.06238	0.04322	1.01E-04	7.2E-06	0.00135	4.8E-08	0.00146	1.23E-04	8.82E-06	0.001668	2.7E-08	1.80E-03	0.000109	6.79E-06	0.003177	2.79E-08	0.003293
3656	494363.09	3850877.25	0.05464	0.08325	0.06329	0.04968	1.03E-04	7.3E-06	0.00137	5.6E-08	0.00148	1.26E-04	8.95E-06	0.001693	3.11E-08	1.83E-03	0.000111	6.88E-06	0.003223	3.21E-08	0.003341

3657	494863.09	3850877.25	0.06025	0.08305	0.06698	0.05193		1.13E-04	7.3E-06	0.00145	5.8E-08	0.00158		1.39E-04	8.93E-06	0.001791	3.25E-08	1.94E-03		0.000122	6.87E-06	0.003411	3.35E-08	0.003541
3658	495363.09	3850877.25	0.06591	0.09919	0.0728	0.05895		1.24E-04	8.7E-06	0.00158	6.6E-08	0.00171		1.52E-04	1.07E-05	0.001947	3.69E-08	2.11E-03		0.000134	8.2E-06	0.003708	3.81E-08	0.00385
3659	495863.09	3850877.25	0.06473	0.09872	0.07486	0.05787		1.22E-04	8.7E-06	0.00163	6.5E-08	0.00176		1.49E-04	1.06E-05	0.002002	3.62E-08	2.16E-03		0.000131	8.16E-06	0.003813	3.74E-08	0.003952
3660	496363.09	3850877.25	0.066	0.0948	0.08069	0.06089		1.24E-04	8.3E-06	0.00175	6.8E-08	0.00188		1.52E-04	1.02E-05	0.002158	3.81E-08	2.32E-03		0.000134	7.84E-06	0.00411	3.93E-08	0.004251
3661	496863.09	3850877.25	0.0698	0.11198	0.08707	0.06468		1.31E-04	9.8E-06	0.00189	7.2E-08	0.00203		1.61E-04	1.2E-05	0.002329	4.05E-08	2.50E-03		0.000142	9.26E-06	0.004435	4.18E-08	0.004586
3662	497363.09	3850877.25	0.06901	0.10339	0.08632	0.06662		1.30E-04	9.1E-06	0.00187	7.4E-08	0.00201		1.59E-04	1.11E-05	0.002309	4.17E-08	2.48E-03		0.00014	8.55E-06	0.004396	4.3E-08	0.004545
3663	497863.09	3850877.25	0.06816	0.09643	0.08133	0.06221		1.28E-04	8.5E-06	0.00177	7E-08	0.0019		1.57E-04	1.04E-05	0.002175	3.89E-08	2.34E-03		0.000138	7.97E-06	0.004142	4.02E-08	0.004289
3664	498363.09	3850877.25	0.06936	0.08602	0.08007	0.0631		1.30E-04	7.5E-06	0.00174	7.1E-08	0.00188		1.60E-04	9.25E-06	0.002142	3.95E-08	2.31E-03		0.000141	7.11E-06	0.004078	4.08E-08	0.004226
3665	471363.09	3851377.25	0.14198	0.17729	0.15875	0.10642		2.67E-04	1.6E-05	0.00345	1.2E-07	0.00373		3.27E-04	1.91E-05	0.004246	6.66E-08	4.59E-03		0.000288	1.47E-05	0.008085	6.87E-08	0.008388
3666	471863.09	3851377.25	0.16257	0.18877	0.19546	0.12469		3.06E-04	1.7E-05	0.00424	1.4E-07	0.00457		3.74E-04	2.03E-05	0.005228	7.8E-08	5.62E-03		0.00033	1.56E-05	0.009955	8.05E-08	0.010301
3667	472363.09	3851377.25	0.1636	0.2076	0.19433	0.13866		3.07E-04	1.8E-05	0.00422	1.5E-07	0.00455		3.77E-04	2.23E-05	0.005197	8.67E-08	5.60E-03		0.000332	1.72E-05	0.009897	8.96E-08	0.010247
3668	472863.09	3851377.25	0.18514	0.21764	0.20863	0.15024		3.48E-04	1.9E-05	0.00453	1.7E-07	0.0049		4.26E-04	2.34E-05	0.00558	9.4E-08	6.03E-03		0.000376	1.8E-05	0.010626	9.71E-08	0.01102
3669	473363.09	3851377.25	0.17674	0.20872	0.21175	0.13244		3.32E-04	1.8E-05	0.0046	1.5E-07	0.00495		4.07E-04	2.24E-05	0.005663	8.28E-08	6.09E-03		0.000359	1.73E-05	0.010785	8.56E-08	0.011161
3670	473863.09	3851377.25	0.19021	0.24675	0.22893	0.14327		3.57E-04	2.2E-05	0.00497	1.6E-07	0.00535		4.38E-04	2.65E-05	0.006123	8.96E-08	6.59E-03		0.000386	2.04E-05	0.01166	9.25E-08	0.012066
3671	474363.09	3851377.25	0.22984	0.2657	0.27195	0.18099		4.32E-04	2.3E-05	0.00591	2E-07	0.00636		5.29E-04	2.86E-05	0.007273	1.13E-07	7.83E-03		0.000467	2.2E-05	0.013851	1.17E-07	0.014339
3672	474863.09	3851377.25	0.24999	0.28828	0.30436	0.25481		4.70E-04	2.5E-05	0.00661	2.8E-07	0.0071		5.76E-04	3.1E-05	0.00814	1.59E-07	8.75E-03		0.000508	2.38E-05	0.015501	1.65E-07	0.016033
3673	475363.09	3851377.25	0.27598	0.26976	0.32341	0.30991		5.19E-04	2.4E-05	0.00702	3.5E-07	0.00757		6.36E-04	2.9E-05	0.00865	1.94E-07	9.31E-03		0.00056	2.23E-05	0.016471	2E-07	0.017054
3674	475863.09	3851377.25	0.278	0.29465	0.32644	0.3027		5.22E-04	2.6E-05	0.00709	3.4E-07	0.00764		6.40E-04	3.17E-05	0.008731	1.89E-07	9.40E-03		0.000564	2.44E-05	0.016626	1.96E-07	0.017215
3675	476363.09	3851377.25	0.27382	0.38277	0.28662	0.30335		5.15E-04	3.4E-05	0.00622	3.4E-07	0.00677		6.31E-04	4.11E-05	0.007666	1.9E-07	8.34E-03		0.000556	3.17E-05	0.014598	1.96E-07	0.015186
3676	476863.09	3851377.25	0.28886	0.378	0.35522	0.4269		5.43E-04	3.3E-05	0.00771	4.8E-07	0.00829		6.65E-04	4.06E-05	0.009501	2.67E-07	1.02E-02		0.000586	3.13E-05	0.018092	2.76E-07	0.01871
3677	477363.09	3851377.25	0.32532	0.43571	0.37227	0.50219		6.11E-04	3.8E-05	0.00808	5.6E-07	0.00873		7.49E-04	4.68E-05	0.009957	3.14E-07	1.08E-02		0.000661	3.6E-05	0.01896	3.24E-07	0.019657
3678	477863.09	3851377.25	0.35696	0.49944	0.38511	0.48716		6.71E-04	4.4E-05	0.00836	5.4E-07	0.00908		8.22E-04	5.37E-05	0.0103	3.05E-07	1.12E-02		0.000725	4.13E-05	0.019614	3.15E-07	0.02038
3679	478363.09	3851377.25	0.43066	0.55674	0.48687	0.59771		8.09E-04	4.9E-05	0.01057	6.7E-07	0.01143		9.92E-04	5.99E-05	0.013022	3.74E-07	1.41E-02		0.000874	4.6E-05	0.024797	3.86E-07	0.025717
3680	478863.09	3851377.25	0.44804	0.54189	0.48761	0.56481		8.42E-04	4.8E-05	0.01059	6.3E-07	0.01148		1.03E-03	5.83E-05	0.013041	3.53E-07	1.41E-02		0.00091	4.48E-05	0.024834	3.65E-07	0.025789
3681	479363.09	3851377.25	0.46189	0.54553	0.46879	0.512		8.68E-04	4.8E-05	0.01018	5.7E-07	0.0111		1.06E-03	5.86E-05	0.012538	3.2E-07	1.37E-02		0.000938	4.51E-05	0.023876	3.31E-07	0.024859
3682	479863.09	3851377.25	0.44689	0.55865	0.51001	0.6035		8.40E-04	4.9E-05	0.01108	6.7E-07	0.01196		1.03E-03	6.01E-05	0.013641	3.77E-07	1.47E-02		0.000907	4.62E-05	0.025975	3.9E-07	0.026929
3683	480363.09	3851377.25	0.55953	0.71074	0.58437	0.71472		1.05E-03	6.2E-05	0.01269	8E-07	0.0138		1.29E-03	7.64E-05	0.015629	4.47E-07	1.70E-02		0.001136	5.88E-05	0.029762	4.62E-07	0.030958
3684	480863.09	3851377.25	0.57794	0.79049	0.68372	0.91943		1.09E-03	6.9E-05	0.01485	1E-06	0.016		1.33E-03	8.5E-05	0.018287	5.75E-07	1.97E-02		0.001173	6.54E-05	0.034822	5.94E-07	0.036062
3685	481363.09	3851377.25	0.57338	0.74117	0.66567	0.91123		1.08E-03	6.5E-05	0.01446	1E-06	0.0156		1.32E-03	7.97E-05	0.017804	5.7E-07	1.92E-02		0.001164	6.13E-05	0.033903	5.89E-07	0.035129
3686	481863.09	3851377.25	0.5898	0.80866	0.6859	0.63686		1.11E-03	7.1E-05	0.0149	7.1E-07	0.01608		1.36E-03	8.69E-05	0.018345	3.98E-07	1.98E-02		0.001198	6.69E-05	0.034933	4.11E-07	0.036198
3687	482363.09	3851377.25	0.54392	0.63068	0.72359	0.40442		1.02E-03	5.5E-05	0.01571	4.5E-07	0.01679		1.25E-03	6.78E-05	0.019353	2.53E-07	2.07E-02		0.001104	5.22E-05	0.036853	2.61E-07	0.03801
3688	482863.09	3851377.25	0.43035	0.49639	0.50725	0.25821		8.09E-04	4.4E-05	0.01102	2.9E-07	0.01187		9.91E-04	5.34E-05	0.013567	1.61E-07	1.46E-02		0.000874	4.11E-05	0.025835	1.67E-07	0.02675
3689	483363.09	3851377.25	0.22057	0.27076	0.27644	0.13967		4.14E-04	2.4E-05	0.006	1.6E-07	0.00644		5.08E-04	2.91E-05	0.007394	8.74E-08	7.93E-03		0.000448	2.24E-05	0.014079	9.02E-08	0.01455
3690	483863.09	3851377.25	0.16357	0.26972	0.21669	0.11945		3.07E-04	2.4E-05	0.00471	1.3E-07	0.00504		3.77E-04	2.9E-05	0.005796	7.47E-08	6.20E-03		0.000332	2.23E-05	0.011036	7.72E-08	0.011391
3691	484363.09	3851377.25	0.22645	0.33242	0.28534	0.14892		4.26E-04	2.9E-05	0.0062	1.7E-07	0.00665		5.21E-04	3.57E-05	0.007632	9.31E-08	8.19E-03		0.00046	2.75E-05	0.014533	9.62E-08	0.01502
3692	484863.09	3851377.25	0.1345	0.21873	0.16577	0.11212		2.53E-04	1.9E-05	0.0036	1.3E-07	0.00387		3.10E-04	2.35E-05	0.004434	7.01E-08	4.77E-03		0.000273	1.81E-05	0.008443	7.24E-08	0.008734
3693	485363.09	3851377.25	0.16492	0.29261	0.21674	0.12662		3.10E-04	2.6E-05	0.00471	1.4E-07	0.00504		3.80E-04	3.15E-05	0.005797	7.92E-08	6.21E-03		0.000335	2.42E-05	0.011039	8.18E-08	0.011398
3694	485863.09	3851377.25	0.13297	0.20018	0.16538	0.09229		2.50E-04	1.8E-05	0.00359	1E-07	0.00386		3.06E-04	2.15E-05	0.004423	5.77E-08	4.75E-03		0.00027	1.66E-05	0.008423	5.96E-08	0.008709
3695	486363.09	3851377.25	0.13458	0.34737	0.16225	0.09298		2.53E-04	3E-05	0.00352	1E-07	0.00381		3.10E-04	3.73E-05	0.004339	5.82E-08	4.69E-03		0.000273	2.87E-05	0.008263	6.01E-08	0.008566
3696	486863.09	3851377.25	0.11582	0.1985	0.15169	0.09109		2.18E-04	1.7E-05	0.00329	1E-07	0.00353		2.67E-04	2.13E-05	0.004057	5.7E-08	4.35E-03		0.000235	1.64E-05	0.007726	5.88E-08	0.007977
3697	487363.09	3851377.25	0.09141	0.18722	0.09505	0.08145		1.72E-04	1.6E-05	0.00206	9.1E-08	0.00225		2.11E-04	2.01E-05	0.002542	5.09E-08	2.77E-03		0.000186	1.55E-05	0.004841	5.26E-08	0.005042
3698	487863.09	3851377.25	0.08777	0.16102	0.0983	0.07587		1.65E-04	1.4E-05	0.00213	8.5E-08	0.00231		2.02E-04	1.73E-05	0.002629	4.75E-08	2.85E-03		0.000178	1.33E-05	0.005006	4.9E-08	0.005198
3699	488363.09	3851377.25	0.08011	0.15219	0.08934	0.07309		1.51E-04	1.3E-05	0.00194	8.2E-08	0.0021		1.84E-04	1.64E-05	0.002389	4.57E-08	2.59E-03		0.000163	1.26E-05	0.00455	4.72E-08	0.004725
3700	488863.09	3851377.25	0.0816	0.13205	0.08979	0.06432		1.53E-04	1.2E-05	0.00195	7.2E-08	0.00211		1.88E-04	1.42E-05	0.002401	4.02E-08	2.60E-03		0.000166	1.09E-05	0.004573	4.15E-08	0.00475
3701	489363.09	3851377.25	0.07356	0.13055	0.07351	0.06387		1.38E-04	1.1E-05	0.0016	7.1E-08	0.00175		1.69E-04	1.4E-05	0.001966	3.99E-08	2.15E-03		0.000149	1.08E-05	0.003744	4.13E-08	0.003904
3702	489863.09	3851377.25	0.07253	0.14308	0.07223	0.055		1.36E-04	1.3E-05	0.00157	6.1E-08	0.00172		1.67E-04	1.54E-05	0.001932	3.44E-08	2.11E-03		0.000147	1.18E-05	0.003679	3.55E-08	0.003838
3703	490363.09	3851377.25	0.07355	0.13406	0.07254	0.05118		1.38E-04	1.2E-05	0.00158	5.7E-08	0.00173		1.69E-04	1.44E-05	0.00194	3.2E-08	2.12E-03		0.000149	1.11E-05	0.003695	3.31E-08	0.003855
3704	490863.09	3851377.25	0.07067	0.12841	0.07493	0.04889		1.33E-04	1.1E-05	0.00163	5.5E-08	0.00177		1.63E-04	1.38E-05	0.002004	3.06E-08	2.18E-03		0.000143	1.06E-05	0.003816	3.16E-08	0.00397
3705	491363.09	3851377.25	0.0644	0.12335	0.07533	0.04623		1.21E-04	1.1E-05	0.00164	5.2E-08	0.00177		1.48E-04	1.33E-05	0.002015	2.89E-08	2.18E-03		0.000131	1.02E-05	0.003837	2.99E-08	0.003978
3706	491863.09	3851377.25	0.06358	0.11318	0.07246	0.04685		1.19E-04	9.9E-06	0.00157	5.2E-08	0.0017		1.46E-04	1.22E-05	0.001938	2.93E-08	2.10E-03		0.000129	9.36E-06	0.00369	3.03E-08	0.003829
3707	492363.09	3851377.25	0.065	0.10474	0.07252	0.05383		1.22E-04	9.2E-06	0.00157	6E-08	0.00171		1.50E-04	1.13E-05	0.00194	3.37E-08	2.10E-03		0.000132	8.66E-06	0.003693	3.48E-08	0.003834
3708	492863.09	3851377.25	0.06278	0.09518	0.07271	0.05402		1.18E-04	8.3E-06	0.00158	6E-08	0.00171		1.45E-04	1.02E-05	0.001945	3.38E-08	2.10E-03		0.000127	7.87E-06	0.003703	3.49E-08	0.003839
3709	493363.09	3851377.25	0.05575	0.08399	0.06517	0.04867		1.05E-04	7.4E-06	0.00142	5.4E-08	0.00153		1.28E-04	9.03E-06	0.001743	3.04E-08	1.88E-03		0.000113	6.95E-06	0.003319	3.14E-08	0.003439
3710	493863.09	3851377.25	0.05964	0.09319	0.06972	0.052		1.12E-04	8.2E-06	0.00151	5.8E-08	0.00163		1.37E-04	1E-05	0.001865	3.25E-08	2.01E-03		0.000121	7.71E-06	0.003551	3.36E-08	0.00368
3711	494363.09	3851377.25	0.0701	0.10485	0.07791	0.06279		1.32E-04	9.2E-06	0.00169	7E-08	0.00183		1.61E-04	1.13E-05	0.002084	3.93E-08	2.26E-03		0.000142	8.67E-06	0.003968	4.06E-08	0.004119
3712	494863.09	3851377.25	0.06907	0.1055	0.08454	0.06408		1.30E-04	9.3E-06	0.00184	7.2E-08	0.00197		1.59E-04	1.13E-05	0.002261	4.01E-08	2.43E-03		0.00014	8.72E-06	0.004306	4.14E-08	0.004455
3713	495363.09	3851377.25	0.07816	0.11983	0.09387	0.06855		1.47E-04	1.1E-05	0.00204	7.7E-08	0.0022		1.80E-04	1.29E-05	0.002511	4.29E-08	2.70E-03		0.000159	9.91E-06	0.004781	4.43E-08	0.00495
3714	495863.09	3851377.25	0.0814	0.12797	0.09905	0.07066		1.53E-04	1.1E-05	0.00215	7.9E-08	0.00232		1.87E-04	1.38E-05	0.002649	4.42E-08	2.85E-03		0.000165	1.06E-05	0.005045	4.56E-08	0.005221
3715	496363.09	3851377.25	0.07927	0.11717	0.098	0.07373		1.49E-04	1E-05	0.00213	8.2E-08	0.00229		1.83E-04	1.26E-05	0.002621	4.61E-08	2.82E-03		0.000161	9.69E-06	0.004991	4.76E-08	0.005162
3716	496863.09	3851377.25	0.07742	0.1272	0.0951	0.07042		1.45E-04	1.1E-05	0.00207	7.9E-08	0.00222		1.78E-04	1.37E-05	0.002544	4.4E-08	2.74E-03		0.000157	1.05E-05	0.004843	4.55E-08	0.005011
3717	497363.09	3851377.25	0.08161	0.12022	0.09496	0.0722		1.53E-04	1.1E-05	0.00206	8.1E-08	0.00223		1.88E-04	1.29E-05	0.00254	4.52E-08	2.74E-03		0.000166	9.94E-06	0.004836	4.66E-08	0.005012

3718	497863.09	3851377.25	0.08387	0.11937	0.09391	0.07237	1.58E-04	1E-05	0.00204	8.1E-08	0.00221	1.93E-04	1.28E-05	0.002512	4.53E-08	2.72E-03	0.00017	9.87E-06	0.004783	4.67E-08	0.004963
3719	498363.09	3851377.25	0.07646	0.1054	0.08789	0.06772	1.44E-04	9.2E-06	0.00191	7.6E-08	0.00206	1.76E-04	1.13E-05	0.002351	4.24E-08	2.54E-03	0.000155	8.72E-06	0.004476	4.37E-08	0.00464
3720	471363.09	3851877.25	0.14256	0.19138	0.19128	0.11782	2.68E-04	1.7E-05	0.00415	1.3E-07	0.00444	3.28E-04	2.06E-05	0.005116	7.37E-08	5.46E-03	0.000289	1.58E-05	0.009742	7.61E-08	0.010047
3721	471863.09	3851877.25	0.14152	0.17457	0.1859	0.12149	2.66E-04	1.5E-05	0.00404	1.4E-07	0.00432	3.26E-04	1.88E-05	0.004972	7.6E-08	5.32E-03	0.000287	1.44E-05	0.009468	7.85E-08	0.00977
3722	472363.09	3851877.25	0.16607	0.20954	0.20636	0.13323	3.12E-04	1.8E-05	0.00448	1.5E-07	0.00481	3.82E-04	2.25E-05	0.005519	8.33E-08	5.92E-03	0.000337	1.73E-05	0.01051	8.61E-08	0.010865
3723	472863.09	3851877.25	0.18761	0.23134	0.2175	0.13633	3.53E-04	2E-05	0.00472	1.5E-07	0.0051	4.32E-04	2.49E-05	0.005817	8.53E-08	6.27E-03	0.000381	1.91E-05	0.011077	8.81E-08	0.011478
3724	473363.09	3851877.25	0.17531	0.21031	0.19665	0.1304	3.29E-04	1.8E-05	0.00427	1.5E-07	0.00462	4.04E-04	2.26E-05	0.00526	8.16E-08	5.69E-03	0.000356	1.74E-05	0.010015	8.42E-08	0.010389
3725	473863.09	3851877.25	0.17608	0.21912	0.19554	0.12989	3.31E-04	1.9E-05	0.00425	1.5E-07	0.0046	4.05E-04	2.36E-05	0.00523	8.12E-08	5.66E-03	0.000358	1.81E-05	0.009959	8.39E-08	0.010335
3726	474363.09	3851877.25	0.22002	0.26943	0.2416	0.16234	4.13E-04	2.4E-05	0.00525	1.8E-07	0.00568	5.07E-04	2.9E-05	0.006462	1.02E-07	7.00E-03	0.000447	2.23E-05	0.012305	1.05E-07	0.012774
3727	474863.09	3851877.25	0.23586	0.32457	0.27579	0.20433	4.43E-04	2.8E-05	0.00599	2.3E-07	0.00646	5.43E-04	3.49E-05	0.007376	1.28E-07	7.95E-03	0.000479	2.68E-05	0.014046	1.32E-07	0.014552
3728	475363.09	3851877.25	0.26137	0.32569	0.30361	0.24556	4.91E-04	2.9E-05	0.00659	2.7E-07	0.00711	6.02E-04	3.5E-05	0.00812	1.54E-07	8.76E-03	0.000531	2.69E-05	0.015463	1.59E-07	0.016021
3729	475863.09	3851877.25	0.26929	0.34905	0.34078	0.26083	5.06E-04	3.1E-05	0.0074	2.9E-07	0.00794	6.20E-04	3.75E-05	0.009114	1.63E-07	9.77E-03	0.000547	2.89E-05	0.017356	1.68E-07	0.017932
3730	476363.09	3851877.25	0.30286	0.33245	0.37997	0.25315	5.69E-04	2.9E-05	0.00825	2.8E-07	0.00885	6.97E-04	3.57E-05	0.010163	1.58E-07	1.09E-02	0.000615	2.75E-05	0.019352	1.64E-07	0.019995
3731	476863.09	3851877.25	0.33878	0.35599	0.40651	0.29172	6.37E-04	3.1E-05	0.00883	3.3E-07	0.0095	7.80E-04	3.83E-05	0.010872	1.82E-07	1.17E-02	0.000688	2.94E-05	0.020704	1.88E-07	0.021421
3732	477363.09	3851877.25	0.35953	0.40735	0.37547	0.34996	6.76E-04	3.6E-05	0.00815	3.9E-07	0.00887	8.28E-04	4.38E-05	0.010042	2.19E-07	1.09E-02	0.00073	3.37E-05	0.019123	2.26E-07	0.019887
3733	477863.09	3851877.25	0.35223	0.45035	0.43662	0.46994	6.62E-04	4E-05	0.00948	5.3E-07	0.01018	8.11E-04	4.84E-05	0.011678	2.94E-07	1.25E-02	0.000715	3.72E-05	0.022237	3.04E-07	0.02299
3734	478363.09	3851877.25	0.4775	0.55369	0.54903	0.4833	8.97E-04	4.9E-05	0.01192	5.4E-07	0.01287	1.10E-03	5.95E-05	0.014684	3.02E-07	1.58E-02	0.00097	4.58E-05	0.027962	3.12E-07	0.028978
3735	478863.09	3851877.25	0.50648	0.62172	0.53628	0.6092	9.52E-04	5.5E-05	0.01165	6.8E-07	0.01265	1.17E-03	6.68E-05	0.014343	3.81E-07	1.56E-02	0.001028	5.14E-05	0.027313	3.94E-07	0.028393
3736	479363.09	3851877.25	0.53112	0.66922	0.55163	0.6083	9.98E-04	5.9E-05	0.01198	6.8E-07	0.01304	1.22E-03	7.19E-05	0.014754	3.8E-07	1.60E-02	0.001078	5.53E-05	0.028095	3.93E-07	0.029229
3737	479863.09	3851877.25	0.5508	0.67953	0.56283	0.65297	1.04E-03	6E-05	0.01222	7.3E-07	0.01332	1.27E-03	7.31E-05	0.015053	4.08E-07	1.64E-02	0.001118	5.62E-05	0.028665	4.22E-07	0.02984
3738	480363.09	3851877.25	0.53629	0.71361	0.59934	0.71446	1.01E-03	6.3E-05	0.01302	8E-07	0.01409	1.23E-03	7.67E-05	0.01603	4.47E-07	1.73E-02	0.001089	5.9E-05	0.030525	4.62E-07	0.031673
3739	480863.09	3851877.25	0.66135	0.78782	0.6561	0.80079	1.24E-03	6.9E-05	0.01425	8.9E-07	0.01556	1.52E-03	8.47E-05	0.017548	5.01E-07	1.92E-02	0.001343	6.52E-05	0.033416	5.17E-07	0.034824
3740	481363.09	3851877.25	0.6629	0.90705	0.78845	1.02976	1.25E-03	8E-05	0.01712	1.2E-06	0.01845	1.53E-03	9.75E-05	0.021088	6.44E-07	2.27E-02	0.001346	7.5E-05	0.040156	6.65E-07	0.041578
3741	481863.09	3851877.25	0.67229	0.83025	0.81099	1.00919	1.26E-03	7.3E-05	0.01761	1.1E-06	0.01895	1.55E-03	8.93E-05	0.02169	6.31E-07	2.33E-02	0.001365	6.87E-05	0.041304	6.52E-07	0.042739
3742	482363.09	3851877.25	0.64119	0.90396	0.87073	0.45683	1.20E-03	7.9E-05	0.01891	5.1E-07	0.02019	1.48E-03	9.72E-05	0.023288	2.86E-07	2.49E-02	0.001302	7.48E-05	0.044347	2.95E-07	0.045724
3743	482863.09	3851877.25	0.43685	0.44775	0.54714	0.22808	8.21E-04	3.9E-05	0.01188	2.5E-07	0.01274	1.01E-03	4.81E-05	0.014634	1.43E-07	1.57E-02	0.000887	3.7E-05	0.027866	1.47E-07	0.02879
3744	483363.09	3851877.25	0.40352	0.54217	0.49067	0.26072	7.58E-04	4.8E-05	0.01066	2.9E-07	0.01146	9.29E-04	5.83E-05	0.013123	1.63E-07	1.41E-02	0.000819	4.48E-05	0.02499	1.68E-07	0.025854
3745	483863.09	3851877.25	0.27698	0.55458	0.31432	0.17016	5.21E-04	4.9E-05	0.00683	1.9E-07	0.0074	6.38E-04	5.96E-05	0.008407	1.06E-07	9.10E-03	0.000562	4.59E-05	0.016008	1.1E-07	0.016617
3746	484363.09	3851877.25	0.33809	0.49744	0.39439	0.1786	6.35E-04	4.4E-05	0.00856	2E-07	0.00924	7.79E-04	5.35E-05	0.010548	1.12E-07	1.14E-02	0.000686	4.11E-05	0.020087	1.15E-07	0.020814
3747	484863.09	3851877.25	0.23063	0.35278	0.30084	0.16002	4.33E-04	3.1E-05	0.00653	1.8E-07	0.007	5.31E-04	3.79E-05	0.008046	1E-07	8.62E-03	0.000468	2.92E-05	0.015322	1.03E-07	0.015819
3748	485363.09	3851877.25	0.20881	0.38131	0.26689	0.14328	3.92E-04	3.3E-05	0.0058	1.6E-07	0.00622	4.81E-04	4.1E-05	0.007138	8.96E-08	7.66E-03	0.000424	3.15E-05	0.013593	9.26E-08	0.014048
3749	485863.09	3851877.25	0.23067	0.35412	0.28043	0.13535	4.33E-04	3.1E-05	0.00609	1.5E-07	0.00655	5.31E-04	3.81E-05	0.0075	8.47E-08	8.07E-03	0.000468	2.93E-05	0.014282	8.74E-08	0.01478
3750	486363.09	3851877.25	0.17503	0.42574	0.19505	0.1167	3.29E-04	3.7E-05	0.00424	1.3E-07	0.0046	4.03E-04	4.58E-05	0.005217	7.3E-08	5.67E-03	0.000355	3.52E-05	0.009934	7.54E-08	0.010325
3751	486863.09	3851877.25	0.13878	0.30044	0.17251	0.1092	2.61E-04	2.6E-05	0.00375	1.2E-07	0.00403	3.20E-04	3.23E-05	0.004614	6.83E-08	4.97E-03	0.000282	2.48E-05	0.008786	7.05E-08	0.009093
3752	487363.09	3851877.25	0.12342	0.26062	0.14037	0.09107	2.32E-04	2.3E-05	0.00305	1E-07	0.0033	2.84E-04	2.8E-05	0.003754	5.7E-08	4.07E-03	0.000251	2.16E-05	0.007149	5.88E-08	0.007421
3753	487863.09	3851877.25	0.09324	0.17837	0.09354	0.09066	1.75E-04	1.6E-05	0.00203	1E-07	0.00222	2.15E-04	1.92E-05	0.002502	5.67E-08	2.74E-03	0.000189	1.48E-05	0.004764	5.86E-08	0.004968
3754	488363.09	3851877.25	0.09109	0.14852	0.09933	0.07723	1.71E-04	1.3E-05	0.00216	8.6E-08	0.00234	2.10E-04	1.6E-05	0.002657	4.83E-08	2.88E-03	0.000185	1.23E-05	0.005059	4.99E-08	0.005256
3755	488863.09	3851877.25	0.07623	0.15771	0.08413	0.06443	1.43E-04	1.4E-05	0.00183	7.2E-08	0.00198	1.76E-04	1.7E-05	0.00225	4.03E-08	2.44E-03	0.000155	1.3E-05	0.004285	4.16E-08	0.004453
3756	489363.09	3851877.25	0.07672	0.16973	0.07164	0.05409	1.44E-04	1.5E-05	0.00156	6E-08	0.00171	1.77E-04	1.82E-05	0.001916	3.38E-08	2.11E-03	0.000156	1.4E-05	0.003649	3.49E-08	0.003819
3757	489863.09	3851877.25	0.07826	0.13913	0.07633	0.05194	1.47E-04	1.2E-05	0.00166	5.8E-08	0.00182	1.80E-04	1.5E-05	0.002041	3.25E-08	2.24E-03	0.000159	1.15E-05	0.003888	3.36E-08	0.004058
3758	490363.09	3851877.25	0.07662	0.14342	0.08756	0.051	1.44E-04	1.3E-05	0.0019	5.7E-08	0.00206	1.76E-04	1.54E-05	0.002342	3.19E-08	2.53E-03	0.000156	1.19E-05	0.004459	3.29E-08	0.004627
3759	490863.09	3851877.25	0.07639	0.14402	0.08754	0.05633	1.44E-04	1.3E-05	0.0019	6.3E-08	0.00206	1.76E-04	1.55E-05	0.002341	3.52E-08	2.53E-03	0.000155	1.19E-05	0.004458	3.64E-08	0.004626
3760	491363.09	3851877.25	0.07864	0.13293	0.08841	0.06275	1.48E-04	1.2E-05	0.00192	7E-08	0.00208	1.81E-04	1.43E-05	0.002365	3.92E-08	2.56E-03	0.00016	1.1E-05	0.004503	4.05E-08	0.004673
3761	491863.09	3851877.25	0.07773	0.12699	0.09212	0.06567	1.46E-04	1.1E-05	0.002	7.3E-08	0.00216	1.79E-04	1.37E-05	0.002464	4.11E-08	2.66E-03	0.000158	1.05E-05	0.004692	4.24E-08	0.00486
3762	492363.09	3851877.25	0.0824	0.12823	0.09304	0.06749	1.55E-04	1.1E-05	0.00202	7.5E-08	0.00219	1.90E-04	1.38E-05	0.002488	4.22E-08	2.69E-03	0.000167	1.06E-05	0.004739	4.36E-08	0.004917
3763	492863.09	3851877.25	0.07018	0.10887	0.07801	0.05772	1.32E-04	9.6E-06	0.00169	6.4E-08	0.00184	1.62E-04	1.17E-05	0.002086	3.61E-08	2.26E-03	0.000142	9E-06	0.003973	3.73E-08	0.004125
3764	493363.09	3851877.25	0.07995	0.12812	0.09181	0.06696	1.50E-04	1.1E-05	0.00199	7.5E-08	0.00216	1.84E-04	1.38E-05	0.002456	4.19E-08	2.65E-03	0.000162	1.06E-05	0.004676	4.33E-08	0.004849
3765	493863.09	3851877.25	0.09183	0.15119	0.11048	0.08018	1.73E-04	1.3E-05	0.0024	9E-08	0.00259	2.11E-04	1.63E-05	0.002955	5.01E-08	3.18E-03	0.000186	1.25E-05	0.005627	5.18E-08	0.005826
3766	494363.09	3851877.25	0.08966	0.14223	0.10197	0.07892	1.68E-04	1.2E-05	0.00221	8.8E-08	0.0024	2.06E-04	1.53E-05	0.002727	4.94E-08	2.95E-03	0.000182	1.18E-05	0.005193	5.1E-08	0.005387
3767	494863.09	3851877.25	0.09324	0.15188	0.11083	0.08234	1.75E-04	1.3E-05	0.00241	9.2E-08	0.0026	2.15E-04	1.63E-05	0.002964	5.15E-08	3.20E-03	0.000189	1.26E-05	0.005645	5.32E-08	0.005847
3768	495363.09	3851877.25	0.10144	0.15187	0.11595	0.08179	1.91E-04	1.3E-05	0.00252	9.1E-08	0.00272	2.34E-04	1.63E-05	0.003101	5.12E-08	3.35E-03	0.000206	1.26E-05	0.005905	5.28E-08	0.006124
3769	495863.09	3851877.25	0.10654	0.16107	0.1185	0.08295	2.00E-04	1.4E-05	0.00257	9.3E-08	0.00279	2.45E-04	1.73E-05	0.003169	5.19E-08	3.43E-03	0.000216	1.33E-05	0.006035	5.36E-08	0.006265
3770	496363.09	3851877.25	0.10771	0.14688	0.11716	0.08178	2.02E-04	1.3E-05	0.00254	9.1E-08	0.00276	2.48E-04	1.58E-05	0.003134	5.11E-08	3.40E-03	0.000219	1.21E-05	0.005967	5.28E-08	0.006198
3771	496863.09	3851877.25	0.10289	0.14468	0.11575	0.08049	1.93E-04	1.3E-05	0.00251	9E-08	0.00272	2.37E-04	1.56E-05	0.003096	5.03E-08	3.35E-03	0.000209	1.2E-05	0.005895	5.2E-08	0.006116
3772	497363.09	3851877.25	0.09733	0.1392	0.11014	0.07836	1.83E-04	1.2E-05	0.00239	8.8E-08	0.00259	2.24E-04	1.5E-05	0.002946	4.9E-08	3.18E-03	0.000198	1.15E-05	0.005609	5.06E-08	0.005819
3773	497863.09	3851877.25	0.08784	0.12132	0.10595	0.07413	1.65E-04	1.1E-05	0.0023	8.3E-08	0.00248	2.02E-04	1.3E-05	0.002834	4.64E-08	3.05E-03	0.000178	1E-05	0.005396	4.79E-08	0.005585
3774	498363.09	3851877.25	0.08053	0.10547	0.09398	0.06998	1.51E-04	9.3E-06	0.00204	7.8E-08	0.0022	1.85E-04	1.13E-05	0.002514	4.38E-08	2.71E-03	0.000164	8.72E-06	0.004786	4.52E-08	0.004959
3775	471363.09	3852377.25	0.12547	0.17781	0.16309	0.09644	2.36E-04	1.6E-05	0.00354	1.1E-07	0.00379	2.89E-04	1.91E-05	0.004362	6.03E-08	4.67E-03	0.000255	1.47E-05	0.008306	6.23E-08	0.008576
3776	471863.09	3852377.25	0.14963	0.21156	0.18348	0.11944	2.81E-04	1.9E-05	0.00398	1.3E-07	0.00428	3.45E-04	2.27E-05	0.004907	7.47E-08	5.27E-03	0.000304	1.75E-05	0.009345	7.72E-08	0.009666
3777	472363.09	3852377.25	0.17164	0.22787	0.20335	0.12431	3.23E-04	2E-05	0.00442	1.4E-07	0.00476	3.95E-04	2.45E-05	0.005439	7.77E-08	5.86E-03	0.000348	1.88E-05	0.010357	8.03E-08	0.010724
3778	472863.09	3852377.25	0.17469	0.22982	0.20908	0.14392	3.28E-04	2E-05	0.00454	1.6E-07	0.00489	4.02E-04	2.47E-05	0.005592	9E-08	6.02E-03	0.000355	1.9E-05	0.010649	9.3E-08	0.011022

3779	473363.09	3852377.25	0.16971	0.23164	0.23021	0.14893	3.19E-04	2E-05	0.005	1.7E-07	0.00534	3.91E-04	2.49E-05	0.006157	9.31E-08	6.57E-03	0.000345	1.92E-05	0.011725	9.62E-08	0.012089
3780	473863.09	3852377.25	0.1777	0.23854	0.23956	0.14684	3.34E-04	2.1E-05	0.0052	1.6E-07	0.00556	4.09E-04	2.56E-05	0.006407	9.18E-08	6.84E-03	0.000361	1.97E-05	0.012201	9.49E-08	0.012582
3781	474363.09	3852377.25	0.19058	0.25509	0.23605	0.14668	3.58E-04	2.2E-05	0.00513	1.6E-07	0.00551	4.39E-04	2.74E-05	0.006313	9.17E-08	6.78E-03	0.000387	2.11E-05	0.012022	9.48E-08	0.01243
3782	474863.09	3852377.25	0.2377	0.31508	0.27481	0.18476	4.47E-04	2.8E-05	0.00597	2.1E-07	0.00644	5.47E-04	3.39E-05	0.00735	1.16E-07	7.93E-03	0.000483	2.61E-05	0.013996	1.19E-07	0.014505
3783	475363.09	3852377.25	0.24637	0.32297	0.28909	0.21842	4.63E-04	2.8E-05	0.00628	2.4E-07	0.00677	5.67E-04	3.47E-05	0.007732	1.37E-07	8.33E-03	0.0005	2.67E-05	0.014724	1.41E-07	0.015251
3784	475863.09	3852377.25	0.26592	0.35338	0.32429	0.2039	5.00E-04	3.1E-05	0.00704	2.3E-07	0.00757	6.12E-04	3.8E-05	0.008673	1.28E-07	9.32E-03	0.00054	2.92E-05	0.016516	1.32E-07	0.017086
3785	476363.09	3852377.25	0.27699	0.35445	0.31337	0.21088	5.21E-04	3.1E-05	0.00681	2.4E-07	0.00736	6.38E-04	3.81E-05	0.008381	1.32E-07	9.06E-03	0.000562	2.93E-05	0.01596	1.36E-07	0.016552
3786	476863.09	3852377.25	0.30195	0.4111	0.3653	0.21493	5.67E-04	3.6E-05	0.00793	2.4E-07	0.00854	6.95E-04	4.42E-05	0.00977	1.34E-07	1.05E-02	0.000613	3.4E-05	0.018605	1.39E-07	0.019252
3787	477363.09	3852377.25	0.34245	0.42458	0.41201	0.20427	6.44E-04	3.7E-05	0.00895	2.3E-07	0.00963	7.89E-04	4.56E-05	0.011019	1.28E-07	1.19E-02	0.000695	3.51E-05	0.020984	1.32E-07	0.021714
3788	477863.09	3852377.25	0.29808	0.34976	0.36174	0.20069	5.60E-04	3.1E-05	0.00786	2.2E-07	0.00845	6.86E-04	3.76E-05	0.009675	1.26E-07	1.04E-02	0.000605	2.89E-05	0.018424	1.3E-07	0.019058
3789	478363.09	3852377.25	0.31446	0.36063	0.34557	0.22568	5.91E-04	3.2E-05	0.0075	2.5E-07	0.00813	7.24E-04	3.88E-05	0.009243	1.41E-07	1.00E-02	0.000638	2.98E-05	0.0176	1.46E-07	0.018269
3790	478863.09	3852377.25	0.38326	0.45636	0.51306	0.30413	7.20E-04	4E-05	0.01114	3.4E-07	0.0119	8.83E-04	4.91E-05	0.013722	1.9E-07	1.47E-02	0.000778	3.77E-05	0.02613	1.96E-07	0.026947
3791	479363.09	3852377.25	0.57876	0.63647	0.68504	0.34218	1.09E-03	5.6E-05	0.01488	3.8E-07	0.01602	1.33E-03	6.84E-05	0.018322	2.14E-07	1.97E-02	0.001175	5.26E-05	0.034889	2.21E-07	0.036117
3792	479863.09	3852377.25	0.65481	0.79272	0.74173	0.63638	1.23E-03	7E-05	0.01611	7.1E-07	0.01741	1.51E-03	8.52E-05	0.019838	3.98E-07	2.14E-02	0.00133	6.56E-05	0.037777	4.11E-07	0.039172
3793	480363.09	3852377.25	0.66006	0.78039	0.68814	0.7887	1.24E-03	6.8E-05	0.01494	8.8E-07	0.01625	1.52E-03	8.39E-05	0.018405	4.93E-07	2.00E-02	0.00134	6.45E-05	0.035047	5.09E-07	0.036453
3794	480863.09	3852377.25	0.62781	0.79275	0.66588	0.75805	1.18E-03	7E-05	0.01446	8.5E-07	0.01571	1.45E-03	8.52E-05	0.017809	4.74E-07	1.93E-02	0.001275	6.56E-05	0.033914	4.9E-07	0.035254
3795	481363.09	3852377.25	0.78008	0.96904	0.75334	0.86027	1.47E-03	8.5E-05	0.01636	9.6E-07	0.01791	1.80E-03	0.000104	0.020149	5.38E-07	2.20E-02	0.001584	8.01E-05	0.038368	5.56E-07	0.040033
3796	481863.09	3852377.25	0.80531	1.07971	0.92281	1.16581	1.51E-03	9.5E-05	0.02004	1.3E-06	0.02165	1.85E-03	0.000116	0.024681	7.29E-07	2.67E-02	0.001635	8.93E-05	0.046999	7.53E-07	0.048724
3797	482363.09	3852377.25	0.74937	1.11727	0.90309	1.10812	1.41E-03	9.8E-05	0.01961	1.2E-06	0.02112	1.73E-03	0.00012	0.024154	6.93E-07	2.60E-02	0.001522	9.24E-05	0.045995	7.16E-07	0.04761
3798	482863.09	3852377.25	0.818	1.04547	1.01865	0.62075	1.54E-03	9.2E-05	0.02212	6.9E-07	0.02375	1.88E-03	0.000112	0.027244	3.88E-07	2.92E-02	0.001661	8.65E-05	0.05188	4.01E-07	0.053628
3799	483363.09	3852377.25	0.63941	0.83954	0.82227	0.31858	1.20E-03	7.4E-05	0.01786	3.6E-07	0.01913	1.47E-03	9.03E-05	0.021992	1.99E-07	2.36E-02	0.001298	6.94E-05	0.041879	2.06E-07	0.043247
3800	483863.09	3852377.25	0.36028	0.65239	0.47024	0.23493	6.77E-04	5.7E-05	0.01021	2.6E-07	0.01095	8.30E-04	7.01E-05	0.012577	1.47E-07	1.35E-02	0.000732	5.4E-05	0.02395	1.52E-07	0.024735
3801	484363.09	3852377.25	0.44582	0.67308	0.59872	0.2151	8.38E-04	5.9E-05	0.013	2.4E-07	0.0139	1.03E-03	7.24E-05	0.016013	1.35E-07	1.71E-02	0.000905	5.57E-05	0.030493	1.39E-07	0.031454
3802	484863.09	3852377.25	0.3886	0.61415	0.51014	0.20725	7.30E-04	5.4E-05	0.01108	2.3E-07	0.01186	8.95E-04	6.6E-05	0.013644	1.3E-07	1.46E-02	0.000789	5.08E-05	0.025982	1.34E-07	0.026822
3803	485363.09	3852377.25	0.36845	0.66804	0.44331	0.19353	6.92E-04	5.9E-05	0.00963	2.2E-07	0.01038	8.48E-04	7.18E-05	0.011857	1.21E-07	1.28E-02	0.000748	5.52E-05	0.022578	1.25E-07	0.023381
3804	485863.09	3852377.25	0.31363	0.49884	0.40225	0.15352	5.89E-04	4.4E-05	0.00874	1.7E-07	0.00937	7.22E-04	5.36E-05	0.010758	9.6E-08	1.15E-02	0.000637	4.13E-05	0.020487	9.92E-08	0.021165
3805	486363.09	3852377.25	0.21855	0.42541	0.25383	0.13145	4.11E-04	3.7E-05	0.00551	1.5E-07	0.00596	5.03E-04	4.57E-05	0.006789	8.22E-08	7.34E-03	0.000444	3.52E-05	0.012928	8.49E-08	0.013407
3806	486863.09	3852377.25	0.15861	0.29418	0.17299	0.11805	2.98E-04	2.6E-05	0.00376	1.3E-07	0.00408	3.65E-04	3.16E-05	0.004627	7.38E-08	5.02E-03	0.000322	2.43E-05	0.00881	7.63E-08	0.009157
3807	487363.09	3852377.25	0.13224	0.24824	0.13691	0.0996	2.49E-04	2.2E-05	0.00297	1.1E-07	0.00324	3.05E-04	2.67E-05	0.003662	6.23E-08	3.99E-03	0.000268	2.05E-05	0.006973	6.43E-08	0.007262
3808	487863.09	3852377.25	0.10205	0.19457	0.10609	0.09086	1.92E-04	1.7E-05	0.0023	1E-07	0.00251	2.35E-04	2.09E-05	0.002837	5.68E-08	3.09E-03	0.000207	1.61E-05	0.005403	5.87E-08	0.005627
3809	488363.09	3852377.25	0.09172	0.19984	0.09678	0.07445	1.72E-04	1.8E-05	0.0021	8.3E-08	0.00229	2.11E-04	2.15E-05	0.002588	4.66E-08	2.82E-03	0.000186	1.65E-05	0.004929	4.81E-08	0.005132
3810	488863.09	3852377.25	0.08927	0.17495	0.08007	0.05668	1.68E-04	1.5E-05	0.00174	6.3E-08	0.00192	2.06E-04	1.88E-05	0.002142	3.55E-08	2.37E-03	0.000181	1.45E-05	0.004078	3.66E-08	0.004274
3811	489363.09	3852377.25	0.08011	0.15974	0.08953	0.05044	1.51E-04	1.4E-05	0.00194	5.6E-08	0.00211	1.84E-04	1.72E-05	0.002395	3.15E-08	2.60E-03	0.000163	1.32E-05	0.00456	3.26E-08	0.004736
3812	489863.09	3852377.25	0.07704	0.13351	0.08249	0.05086	1.45E-04	1.2E-05	0.00179	5.7E-08	0.00195	1.77E-04	1.44E-05	0.002206	3.18E-08	2.40E-03	0.000156	1.1E-05	0.004201	3.29E-08	0.004369
3813	490363.09	3852377.25	0.08103	0.14004	0.09114	0.06389	1.52E-04	1.2E-05	0.00198	7.1E-08	0.00214	1.87E-04	1.51E-05	0.002438	4E-08	2.64E-03	0.000165	1.16E-05	0.004642	4.13E-08	0.004818
3814	490863.09	3852377.25	0.09243	0.15438	0.1044	0.06796	1.74E-04	1.4E-05	0.00227	7.6E-08	0.00245	2.13E-04	1.66E-05	0.002792	4.25E-08	3.02E-03	0.000188	1.28E-05	0.005317	4.39E-08	0.005518
3815	491363.09	3852377.25	0.10842	0.20394	0.12146	0.07365	2.04E-04	1.8E-05	0.00264	8.2E-08	0.00286	2.50E-04	2.19E-05	0.003249	4.61E-08	3.52E-03	0.00022	1.69E-05	0.006186	4.76E-08	0.006423
3816	491863.09	3852377.25	0.11062	0.19421	0.12085	0.07786	2.08E-04	1.7E-05	0.00262	8.7E-08	0.00285	2.55E-04	2.09E-05	0.003232	4.87E-08	3.51E-03	0.000225	1.61E-05	0.006155	5.03E-08	0.006396
3817	492363.09	3852377.25	0.10792	0.18398	0.12675	0.0897	2.03E-04	1.6E-05	0.00275	1E-07	0.00297	2.49E-04	1.98E-05	0.00339	5.61E-08	3.66E-03	0.000219	1.52E-05	0.006455	5.79E-08	0.00669
3818	492863.09	3852377.25	0.11371	0.18846	0.13527	0.08904	2.14E-04	1.7E-05	0.00294	9.9E-08	0.00317	2.62E-04	2.03E-05	0.003618	5.57E-08	3.90E-03	0.000231	1.56E-05	0.006889	5.75E-08	0.007136
3819	493363.09	3852377.25	0.13602	0.22478	0.14678	0.09633	2.56E-04	2E-05	0.00319	1.1E-07	0.00346	3.13E-04	2.42E-05	0.003926	6.02E-08	4.26E-03	0.000276	1.86E-05	0.007476	6.22E-08	0.00777
3820	493863.09	3852377.25	0.13092	0.19615	0.14973	0.09389	2.46E-04	1.7E-05	0.00325	1E-07	0.00351	3.01E-04	2.11E-05	0.004005	5.87E-08	4.33E-03	0.000266	1.62E-05	0.007626	6.06E-08	0.007908
3821	494363.09	3852377.25	0.13004	0.18375	0.13563	0.09109	2.44E-04	1.6E-05	0.00295	1E-07	0.00321	2.99E-04	1.98E-05	0.003628	5.7E-08	3.95E-03	0.000264	1.52E-05	0.006908	5.88E-08	0.007187
3822	494863.09	3852377.25	0.13655	0.19694	0.14942	0.0944	2.57E-04	1.7E-05	0.00324	1.1E-07	0.00352	3.14E-04	2.12E-05	0.003996	5.9E-08	4.33E-03	0.000277	1.63E-05	0.00761	6.1E-08	0.007904
3823	495363.09	3852377.25	0.14202	0.21857	0.16113	0.09611	2.67E-04	1.9E-05	0.0035	1.1E-07	0.00379	3.27E-04	2.35E-05	0.00431	6.01E-08	4.66E-03	0.000288	1.81E-05	0.008206	6.21E-08	0.008513
3824	495863.09	3852377.25	0.13535	0.19799	0.15271	0.09245	2.54E-04	1.7E-05	0.00332	1E-07	0.00359	3.12E-04	2.13E-05	0.004084	5.78E-08	4.42E-03	0.000275	1.64E-05	0.007778	5.97E-08	0.008069
3825	496363.09	3852377.25	0.12784	0.17282	0.15158	0.09738	2.40E-04	1.5E-05	0.00329	1.1E-07	0.00355	2.94E-04	1.86E-05	0.004054	6.09E-08	4.37E-03	0.00026	1.43E-05	0.00772	6.29E-08	0.007994
3826	496863.09	3852377.25	0.12373	0.15965	0.14558	0.0923	2.33E-04	1.4E-05	0.00316	1E-07	0.00341	2.85E-04	1.72E-05	0.003894	5.77E-08	4.20E-03	0.000251	1.32E-05	0.007414	5.96E-08	0.007679
3827	497363.09	3852377.25	0.1071	0.14627	0.12989	0.08172	2.01E-04	1.3E-05	0.00282	9.1E-08	0.00303	2.47E-04	1.57E-05	0.003474	5.11E-08	3.74E-03	0.000217	1.21E-05	0.006615	5.28E-08	0.006845
3828	497863.09	3852377.25	0.0964	0.12024	0.11029	0.08153	1.81E-04	1.1E-05	0.0024	9.1E-08	0.00259	2.22E-04	1.29E-05	0.00295	5.1E-08	3.18E-03	0.000196	9.94E-06	0.005617	5.27E-08	0.005823
3829	498363.09	3852377.25	0.08371	0.10973	0.09754	0.07427	1.57E-04	9.6E-06	0.00212	8.3E-08	0.00229	1.93E-04	1.18E-05	0.002609	4.65E-08	2.81E-03	0.00017	9.07E-06	0.004968	4.8E-08	0.005147
3830	471363.09	3852877.25	0.14162	0.16866	0.17417	0.09285	2.66E-04	1.5E-05	0.00378	1E-07	0.00406	3.26E-04	1.81E-05	0.004658	5.81E-08	5.00E-03	0.000288	1.39E-05	0.008871	6E-08	0.009172
3831	471863.09	3852877.25	0.16416	0.19192	0.19781	0.10621	3.08E-04	1.7E-05	0.0043	1.2E-07	0.00462	3.78E-04	2.06E-05	0.005291	6.64E-08	5.69E-03	0.000333	1.59E-05	0.010075	6.86E-08	0.010424
3832	472363.09	3852877.25	0.18391	0.19901	0.22288	0.11568	3.46E-04	1.7E-05	0.00484	1.3E-07	0.0052	4.24E-04	2.14E-05	0.005961	7.24E-08	6.41E-03	0.000373	1.65E-05	0.011351	7.47E-08	0.011741
3833	472863.09	3852877.25	0.19785	0.21452	0.21521	0.13765	3.72E-04	1.9E-05	0.00467	1.5E-07	0.00506	4.56E-04	2.31E-05	0.005756	8.61E-08	6.23E-03	0.000402	1.77E-05	0.010961	8.89E-08	0.01138
3834	473363.09	3852877.25	0.19395	0.27886	0.24555	0.15239	3.64E-04	2.4E-05	0.00533	1.7E-07	0.00572	4.47E-04	3E-05	0.006567	9.53E-08	7.04E-03	0.000394	2.31E-05	0.012506	9.84E-08	0.012923
3835	473863.09	3852877.25	0.20682	0.30192	0.25339	0.16547	3.89E-04	2.6E-05	0.0055	1.8E-07	0.00592	4.76E-04	3.25E-05	0.006777	1.03E-07	7.29E-03	0.00042	2.5E-05	0.012905	1.07E-07	0.01335
3836	474363.09	3852877.25	0.22544	0.33148	0.25963	0.18881	4.24E-04	2.9E-05	0.00564	2.1E-07	0.00609	5.19E-04	3.56E-05	0.006944	1.18E-07	7.50E-03	0.000458	2.74E-05	0.013223	1.22E-07	0.013708
3837	474863.09	3852877.25	0.20966	0.29883	0.2583	0.16854	3.94E-04	2.6E-05	0.00561	1.9E-07	0.00603	4.83E-04	3.21E-05	0.006908	1.05E-07	7.42E-03	0.000426	2.47E-05	0.013155	1.09E-07	0.013606
3838	475363.09	3852877.25	0.21773	0.32723	0.29127	0.18071	4.09E-04	2.9E-05	0.00633	2E-07	0.00676	5.01E-04	3.52E-05	0.00779	1.13E-07	8.33E-03	0.000442	2.71E-05	0.014835	1.17E-07	0.015304
3839	475863.09	3852877.25	0.24265	0.35519	0.31163	0.1799	4.56E-04	3.1E-05	0.00677	2E-07	0.00725	5.59E-04	3.82E-05	0.008335	1.13E-07	8.93E-03	0.000493	2.94E-05	0.015871	1.16E-07	0.016394

3840	476363.09	3852877.25	0.24274	0.32306	0.28153	0.16991	4.56E-04	2.8E-05	0.00611	1.9E-07	0.0066	5.59E-04	3.47E-05	0.00753	1.06E-07	8.12E-03	0.000493	2.67E-05	0.014338	1.1E-07	0.014858
3841	476863.09	3852877.25	0.21309	0.2944	0.26493	0.13917	4.00E-04	2.6E-05	0.00575	1.6E-07	0.00618	4.91E-04	3.16E-05	0.007086	8.7E-08	7.61E-03	0.000433	2.43E-05	0.013493	8.99E-08	0.01395
3842	477363.09	3852877.25	0.20036	0.27597	0.23767	0.13878	3.77E-04	2.4E-05	0.00516	1.6E-07	0.00556	4.61E-04	2.97E-05	0.006357	8.68E-08	6.85E-03	0.000407	2.28E-05	0.012105	8.96E-08	0.012534
3843	477863.09	3852877.25	0.18226	0.22078	0.20846	0.1199	3.43E-04	1.9E-05	0.00453	1.3E-07	0.00489	4.20E-04	2.37E-05	0.005575	7.5E-08	6.02E-03	0.00037	1.83E-05	0.010617	7.75E-08	0.011005
3844	478363.09	3852877.25	0.14908	0.18721	0.1528	0.11494	2.80E-04	1.6E-05	0.00332	1.3E-07	0.00361	3.43E-04	2.01E-05	0.004087	7.19E-08	4.45E-03	0.000303	1.55E-05	0.007782	7.42E-08	0.0081
3845	478863.09	3852877.25	0.18206	0.21409	0.19548	0.15193	3.42E-04	1.9E-05	0.00425	1.7E-07	0.00461	4.19E-04	2.3E-05	0.005228	9.5E-08	5.67E-03	0.00037	1.77E-05	0.009956	9.81E-08	0.010343
3846	479363.09	3852877.25	0.28761	0.32756	0.32322	0.21636	5.40E-04	2.9E-05	0.00702	2.4E-07	0.00759	6.62E-04	3.52E-05	0.008645	1.35E-07	9.34E-03	0.000584	2.71E-05	0.016462	1.4E-07	0.017073
3847	479863.09	3852877.25	0.53192	0.68668	0.70527	0.37895	1.00E-03	6E-05	0.01532	4.2E-07	0.01638	1.22E-03	7.38E-05	0.018863	2.37E-07	2.02E-02	0.00108	5.68E-05	0.03592	2.45E-07	0.037057
3848	480363.09	3852877.25	0.64114	0.82342	0.6905	0.73773	1.20E-03	7.2E-05	0.01499	8.2E-07	0.01627	1.48E-03	8.85E-05	0.018468	4.61E-07	2.00E-02	0.001302	6.81E-05	0.035168	4.77E-07	0.036538
3849	480863.09	3852877.25	0.80496	1.02568	0.82861	0.85473	1.51E-03	9E-05	0.01799	9.6E-07	0.0196	1.85E-03	0.00011	0.022162	5.35E-07	2.41E-02	0.001634	8.48E-05	0.042202	5.52E-07	0.043921
3850	481363.09	3852877.25	0.85819	1.0959	0.86848	0.89281	1.61E-03	9.6E-05	0.01886	1E-06	0.02057	1.98E-03	0.000118	0.023228	5.58E-07	2.53E-02	0.001742	9.06E-05	0.044232	5.77E-07	0.046066
3851	481863.09	3852877.25	0.89257	1.11184	0.84751	0.94021	1.68E-03	9.8E-05	0.0184	1.1E-06	0.02018	2.06E-03	0.00012	0.022667	5.88E-07	2.48E-02	0.001812	9.19E-05	0.043164	6.07E-07	0.045069
3852	482363.09	3852877.25	1.00353	1.26805	1.10405	1.33563	1.89E-03	0.00011	0.02398	1.5E-06	0.02597	2.31E-03	0.000136	0.029529	8.35E-07	3.20E-02	0.002038	0.000105	0.05623	8.63E-07	0.058373
3853	482863.09	3852877.25	0.93944	1.39998	1.10891	1.26363	1.77E-03	0.00012	0.02408	1.4E-06	0.02597	2.16E-03	0.000151	0.029659	7.9E-07	3.20E-02	0.001907	0.000116	0.056477	8.16E-07	0.058501
3854	483363.09	3852877.25	0.90613	1.11765	1.1074	0.66971	1.70E-03	9.8E-05	0.02405	7.5E-07	0.02585	2.09E-03	0.00012	0.029618	4.19E-07	3.18E-02	0.00184	9.24E-05	0.056401	4.33E-07	0.058333
3855	483863.09	3852877.25	0.61738	1.01682	0.77201	0.31188	1.16E-03	8.9E-05	0.01676	3.5E-07	0.01801	1.42E-03	0.000109	0.020648	1.95E-07	2.22E-02	0.001254	8.41E-05	0.039319	2.01E-07	0.040657
3856	484363.09	3852877.25	0.60786	1.02939	0.78623	0.30694	1.14E-03	9E-05	0.01707	3.4E-07	0.01831	1.40E-03	0.000111	0.021028	1.92E-07	2.25E-02	0.001234	8.51E-05	0.040043	1.98E-07	0.041363
3857	484863.09	3852877.25	0.54806	0.94935	0.71873	0.25531	1.03E-03	8.3E-05	0.01561	2.9E-07	0.01672	1.26E-03	0.000102	0.019223	1.6E-07	2.06E-02	0.001113	7.85E-05	0.036605	1.65E-07	0.037797
3858	485363.09	3852877.25	0.31603	0.52255	0.37269	0.18238	5.94E-04	4.6E-05	0.00809	2E-07	0.00873	7.28E-04	5.62E-05	0.009968	1.14E-07	1.08E-02	0.000642	4.32E-05	0.018981	1.18E-07	0.019666
3859	485863.09	3852877.25	0.26286	0.38079	0.32029	0.1546	4.94E-04	3.3E-05	0.00696	1.7E-07	0.00748	6.05E-04	4.09E-05	0.008566	9.67E-08	9.21E-03	0.000534	3.15E-05	0.016313	9.99E-08	0.016878
3860	486363.09	3852877.25	0.18019	0.322	0.2054	0.13652	3.39E-04	2.8E-05	0.00446	1.5E-07	0.00483	4.15E-04	3.46E-05	0.005494	8.54E-08	5.94E-03	0.000366	2.66E-05	0.010461	8.82E-08	0.010854
3861	486863.09	3852877.25	0.16059	0.28453	0.16365	0.12101	3.02E-04	2.5E-05	0.00355	1.4E-07	0.00388	3.70E-04	3.06E-05	0.004377	7.57E-08	4.78E-03	0.000326	2.35E-05	0.008335	7.82E-08	0.008684
3862	487363.09	3852877.25	0.12916	0.26076	0.12855	0.10103	2.43E-04	2.3E-05	0.00279	1.1E-07	0.00306	2.97E-04	2.8E-05	0.003438	6.32E-08	3.76E-03	0.000262	2.16E-05	0.006547	6.53E-08	0.006831
3863	487863.09	3852877.25	0.1201	0.26337	0.10726	0.0894	2.26E-04	2.3E-05	0.00233	1E-07	0.00258	2.77E-04	2.83E-05	0.002869	5.59E-08	3.17E-03	0.000244	2.18E-05	0.005463	5.77E-08	0.005728
3864	488363.09	3852877.25	0.08579	0.17325	0.08803	0.05618	1.61E-04	1.5E-05	0.00191	6.3E-08	0.00209	1.98E-04	1.86E-05	0.002354	3.51E-08	2.57E-03	0.000174	1.43E-05	0.004483	3.63E-08	0.004672
3865	488863.09	3852877.25	0.10379	0.16553	0.09634	0.05737	1.95E-04	1.5E-05	0.00209	6.4E-08	0.0023	2.39E-04	1.78E-05	0.002577	3.59E-08	2.83E-03	0.000211	1.37E-05	0.004907	3.71E-08	0.005131
3866	489363.09	3852877.25	0.09752	0.18595	0.10233	0.06917	1.83E-04	1.6E-05	0.00222	7.7E-08	0.00242	2.25E-04	2E-05	0.002737	4.33E-08	2.98E-03	0.000198	1.54E-05	0.005212	4.47E-08	0.005425
3867	489863.09	3852877.25	0.09992	0.18296	0.10958	0.07597	1.88E-04	1.6E-05	0.00238	8.5E-08	0.00258	2.30E-04	1.97E-05	0.002931	4.75E-08	3.18E-03	0.000203	1.51E-05	0.005581	4.91E-08	0.005799
3868	490363.09	3852877.25	0.12409	0.25269	0.13363	0.08417	2.33E-04	2.2E-05	0.0029	9.4E-08	0.00316	2.86E-04	2.72E-05	0.003574	5.26E-08	3.89E-03	0.000252	2.09E-05	0.006806	5.44E-08	0.007079
3869	490863.09	3852877.25	0.13887	0.26345	0.15661	0.0946	2.61E-04	2.3E-05	0.0034	1.1E-07	0.00369	3.20E-04	2.83E-05	0.004189	5.92E-08	4.54E-03	0.000282	2.18E-05	0.007976	6.11E-08	0.00828
3870	491363.09	3852877.25	0.16105	0.27286	0.17445	0.09757	3.03E-04	2.4E-05	0.00379	1.1E-07	0.00412	3.71E-04	2.93E-05	0.004666	6.1E-08	5.07E-03	0.000327	2.26E-05	0.008885	6.3E-08	0.009234
3871	491863.09	3852877.25	0.15983	0.25971	0.18369	0.1007	3.00E-04	2.3E-05	0.00399	1.1E-07	0.00431	3.68E-04	2.79E-05	0.004913	6.3E-08	5.31E-03	0.000325	2.15E-05	0.009355	6.5E-08	0.009701
3872	492363.09	3852877.25	0.16449	0.25862	0.1805	0.10394	3.09E-04	2.3E-05	0.00392	1.2E-07	0.00425	3.79E-04	2.78E-05	0.004828	6.5E-08	5.23E-03	0.000334	2.14E-05	0.009193	6.71E-08	0.009548
3873	492863.09	3852877.25	0.18148	0.29926	0.20678	0.10981	3.41E-04	2.6E-05	0.00449	1.2E-07	0.00486	4.18E-04	3.22E-05	0.00553	6.87E-08	5.98E-03	0.000368	2.47E-05	0.010531	7.09E-08	0.010925
3874	493363.09	3852877.25	0.19187	0.31831	0.23295	0.12158	3.61E-04	2.8E-05	0.00506	1.4E-07	0.00545	4.42E-04	3.42E-05	0.00623	7.6E-08	6.71E-03	0.00039	2.63E-05	0.011864	7.85E-08	0.01228
3875	493863.09	3852877.25	0.18263	0.2658	0.21179	0.12171	3.43E-04	2.3E-05	0.0046	1.4E-07	0.00497	4.21E-04	2.86E-05	0.005664	7.61E-08	6.11E-03	0.000371	2.2E-05	0.010787	7.86E-08	0.011179
3876	494363.09	3852877.25	0.17635	0.26	0.20496	0.11674	3.31E-04	2.3E-05	0.00445	1.3E-07	0.00481	4.06E-04	2.8E-05	0.005482	7.3E-08	5.92E-03	0.000358	2.15E-05	0.010439	7.54E-08	0.010818
3877	494863.09	3852877.25	0.17853	0.26854	0.20531	0.11342	3.35E-04	2.4E-05	0.00446	1.3E-07	0.00482	4.11E-04	2.89E-05	0.005491	7.09E-08	5.93E-03	0.000362	2.22E-05	0.010457	7.33E-08	0.010841
3878	495363.09	3852877.25	0.16688	0.23042	0.19311	0.11465	3.14E-04	2E-05	0.00419	1.3E-07	0.00453	3.84E-04	2.48E-05	0.005165	7.17E-08	5.57E-03	0.000339	1.91E-05	0.009835	7.41E-08	0.010193
3879	495863.09	3852877.25	0.15524	0.20259	0.18288	0.11441	2.92E-04	1.8E-05	0.00397	1.3E-07	0.00428	3.57E-04	2.18E-05	0.004891	7.16E-08	5.27E-03	0.000315	1.68E-05	0.009314	7.39E-08	0.009646
3880	496363.09	3852877.25	0.15028	0.20169	0.18094	0.11957	2.82E-04	1.8E-05	0.00393	1.3E-07	0.00423	3.46E-04	2.17E-05	0.004839	7.48E-08	5.21E-03	0.000305	1.67E-05	0.009215	7.72E-08	0.009537
3881	496863.09	3852877.25	0.14079	0.19443	0.1696	0.10764	2.65E-04	1.7E-05	0.00368	1.2E-07	0.00396	3.24E-04	2.09E-05	0.004536	6.73E-08	4.88E-03	0.000286	1.61E-05	0.008638	6.95E-08	0.00894
3882	497363.09	3852877.25	0.11416	0.1484	0.14142	0.0931	2.15E-04	1.3E-05	0.00307	1E-07	0.0033	2.63E-04	1.6E-05	0.003782	5.82E-08	4.06E-03	0.000232	1.23E-05	0.007203	6.01E-08	0.007447
3883	497863.09	3852877.25	0.0838	0.10936	0.10409	0.07676	1.57E-04	9.6E-06	0.00226	8.6E-08	0.00243	1.93E-04	1.18E-05	0.002784	4.8E-08	2.99E-03	0.00017	9.04E-06	0.005301	4.96E-08	0.005481
3884	498363.09	3852877.25	0.07877	0.102	0.09894	0.0726	1.48E-04	8.9E-06	0.00215	8.1E-08	0.00231	1.81E-04	1.1E-05	0.002646	4.54E-08	2.84E-03	0.00016	8.44E-06	0.005039	4.69E-08	0.005207
3885	471363.09	3853377.25	0.13884	0.20345	0.16755	0.09431	2.61E-04	1.8E-05	0.00364	1.1E-07	0.00392	3.20E-04	2.19E-05	0.004481	5.9E-08	4.82E-03	0.000282	1.68E-05	0.008533	6.09E-08	0.008832
3886	471863.09	3853377.25	0.15446	0.22414	0.19701	0.09944	2.90E-04	2E-05	0.00428	1.1E-07	0.00459	3.56E-04	2.41E-05	0.005269	6.22E-08	5.65E-03	0.000314	1.85E-05	0.010034	6.42E-08	0.010366
3887	472363.09	3853377.25	0.16862	0.21638	0.21564	0.11002	3.17E-04	1.9E-05	0.00468	1.2E-07	0.00502	3.88E-04	2.33E-05	0.005767	6.88E-08	6.18E-03	0.000342	1.79E-05	0.010983	7.11E-08	0.011343
3888	472863.09	3853377.25	0.18324	0.21893	0.2265	0.12223	3.44E-04	1.9E-05	0.00492	1.4E-07	0.00528	4.22E-04	2.35E-05	0.006058	7.64E-08	6.50E-03	0.000372	1.81E-05	0.011536	7.9E-08	0.011926
3889	473363.09	3853377.25	0.20967	0.22746	0.24317	0.12701	3.94E-04	2E-05	0.00528	1.4E-07	0.00569	4.83E-04	2.45E-05	0.006504	7.94E-08	7.01E-03	0.000426	1.88E-05	0.012385	8.2E-08	0.012829
3890	473863.09	3853377.25	0.23033	0.23861	0.26484	0.14457	4.33E-04	2.1E-05	0.00575	1.6E-07	0.00621	5.30E-04	2.57E-05	0.007083	9.04E-08	7.64E-03	0.000468	1.97E-05	0.013488	9.34E-08	0.013976
3891	474363.09	3853377.25	0.22854	0.25467	0.26562	0.14941	4.29E-04	2.2E-05	0.00577	1.7E-07	0.00622	5.26E-04	2.74E-05	0.007104	9.34E-08	7.66E-03	0.000464	2.11E-05	0.013528	9.65E-08	0.014013
3892	474863.09	3853377.25	0.2225	0.25365	0.24995	0.14895	4.18E-04	2.2E-05	0.00543	1.7E-07	0.00587	5.12E-04	2.73E-05	0.006685	9.32E-08	7.22E-03	0.000452	2.1E-05	0.01273	9.62E-08	0.013203
3893	475363.09	3853377.25	0.22743	0.25944	0.25874	0.15336	4.27E-04	2.3E-05	0.00562	1.7E-07	0.00607	5.24E-04	2.79E-05	0.00692	9.59E-08	7.47E-03	0.000462	2.15E-05	0.013178	9.91E-08	0.013661
3894	475863.09	3853377.25	0.21989	0.29769	0.26675	0.15967	4.13E-04	2.6E-05	0.00579	1.8E-07	0.00623	5.06E-04	3.2E-05	0.007134	9.99E-08	7.67E-03	0.000446	2.46E-05	0.013586	1.03E-07	0.014057
3895	476363.09	3853377.25	0.19026	0.25833	0.24274	0.14073	3.58E-04	2.3E-05	0.00527	1.6E-07	0.00565	4.38E-04	2.78E-05	0.006492	8.8E-08	6.96E-03	0.000386	2.14E-05	0.012363	9.09E-08	0.012771
3896	476863.09	3853377.25	0.1697	0.23077	0.20357	0.13162	3.19E-04	2E-05	0.00442	1.5E-07	0.00476	3.91E-04	2.48E-05	0.005445	8.23E-08	5.86E-03	0.000345	1.91E-05	0.010368	8.5E-08	0.010732
3897	477363.09	3853377.25	0.16366	0.17436	0.208	0.12461	3.08E-04	1.5E-05	0.00452	1.4E-07	0.00484	3.77E-04	1.87E-05	0.005563	7.79E-08	5.96E-03	0.000332	1.44E-05	0.010594	8.05E-08	0.01094
3898	477863.09	3853377.25	0.17123	0.192	0.21058	0.11405	3.22E-04	1.7E-05	0.00457	1.3E-07	0.00491	3.94E-04	2.06E-05	0.005632	7.13E-08	6.05E-03	0.000348	1.59E-05	0.010725	7.37E-08	0.011089
3899	478363.09	3853377.25	0.1461	0.17482	0.15518	0.1018	2.75E-04	1.5E-05	0.00337	1.1E-07	0.00366	3.36E-04	1.88E-05	0.00415	6.37E-08	4.51E-03	0.000297	1.45E-05	0.007903	6.58E-08	0.008215
3900	478863.09	3853377.25	0.1219	0.14034	0.1173	0.0995	2.29E-04	1.2E-05	0.00255	1.1E-07	0.00279	2.81E-04	1.51E-05	0.003137	6.22E-08	3.43E-03	0.000248	1.16E-05	0.005974	6.43E-08	0.006233

3901	479363.09	3853377.25	0.20376	0.27088	0.21197	0.14877	3.83E-04	2.4E-05	0.0046	1.7E-07	0.00501	4.69E-04	2.91E-05	0.005669	9.3E-08	6.17E-03	0.000414	2.24E-05	0.010796	9.61E-08	0.011232
3902	479863.09	3853377.25	0.38223	0.53315	0.39517	0.23542	7.18E-04	4.7E-05	0.00858	2.6E-07	0.00935	8.80E-04	5.73E-05	0.010569	1.47E-07	1.15E-02	0.000776	4.41E-05	0.020126	1.52E-07	0.020947
3903	480363.09	3853377.25	0.62445	0.85792	0.71876	0.4036	1.17E-03	7.5E-05	0.01561	4.5E-07	0.01686	1.44E-03	9.22E-05	0.019224	2.52E-07	2.08E-02	0.001268	7.09E-05	0.036607	2.61E-07	0.037946
3904	480863.09	3853377.25	0.72235	0.9357	0.86304	0.41503	1.36E-03	8.2E-05	0.01874	4.6E-07	0.02018	1.66E-03	0.000101	0.023083	2.6E-07	2.48E-02	0.001467	7.74E-05	0.043955	2.68E-07	0.045499
3905	481363.09	3853377.25	0.9695	1.18989	1.05583	0.83393	1.82E-03	0.0001	0.02293	9.3E-07	0.02486	2.23E-03	0.000128	0.028239	5.22E-07	3.06E-02	0.001968	9.84E-05	0.053774	5.39E-07	0.055841
3906	481863.09	3853377.25	1.06536	1.28577	1.04875	1.10736	2.00E-03	0.00011	0.02277	1.2E-06	0.02489	2.45E-03	0.000138	0.02805	6.93E-07	3.06E-02	0.002163	0.000106	0.053413	7.15E-07	0.055684
3907	482363.09	3853377.25	1.20475	1.50243	1.05864	1.17652	2.26E-03	0.00013	0.02299	1.3E-06	0.02539	2.77E-03	0.000162	0.028314	7.36E-07	3.13E-02	0.002446	0.000124	0.053917	7.6E-07	0.056488
3908	482863.09	3853377.25	1.22684	1.58982	1.38627	1.57274	2.31E-03	0.00014	0.0301	1.8E-06	0.03255	2.83E-03	0.000171	0.037077	9.84E-07	4.01E-02	0.002491	0.000131	0.070604	1.02E-06	0.073227
3909	483363.09	3853377.25	1.2519	2.11587	1.3798	1.14218	2.35E-03	0.00019	0.02996	1.3E-06	0.0325	2.88E-03	0.000227	0.036904	7.14E-07	4.00E-02	0.002542	0.000175	0.070274	7.38E-07	0.072992
3910	483863.09	3853377.25	1.15279	1.70464	1.37265	0.60901	2.17E-03	0.00015	0.02981	6.8E-07	0.03213	2.65E-03	0.000183	0.036712	3.81E-07	3.96E-02	0.002341	0.000141	0.06991	3.93E-07	0.072392
3911	484363.09	3853377.25	0.93093	1.61677	1.00387	0.58523	1.75E-03	0.00014	0.0218	6.5E-07	0.02369	2.14E-03	0.000174	0.026849	3.66E-07	2.92E-02	0.00189	0.000134	0.051128	3.78E-07	0.053152
3912	484863.09	3853377.25	0.58497	0.96547	0.7372	0.28906	1.10E-03	8.5E-05	0.01601	3.2E-07	0.01719	1.35E-03	0.000104	0.019717	1.81E-07	2.12E-02	0.001188	7.98E-05	0.037546	1.87E-07	0.038814
3913	485363.09	3853377.25	0.29317	0.4925	0.3537	0.18873	5.51E-04	4.3E-05	0.00768	2.1E-07	0.00828	6.75E-04	5.29E-05	0.00946	1.18E-07	1.02E-02	0.000595	4.07E-05	0.018014	1.22E-07	0.01865
3914	485863.09	3853377.25	0.19268	0.2554	0.21639	0.14842	3.62E-04	2.2E-05	0.0047	1.7E-07	0.00508	4.44E-04	2.75E-05	0.005787	9.28E-08	6.26E-03	0.000391	2.11E-05	0.011021	9.59E-08	0.011433
3915	486363.09	3853377.25	0.17719	0.28679	0.19787	0.14153	3.33E-04	2.5E-05	0.0043	1.6E-07	0.00466	4.08E-04	3.08E-05	0.005292	8.85E-08	5.73E-03	0.00036	2.37E-05	0.010078	9.14E-08	0.010461
3916	486863.09	3853377.25	0.17577	0.34384	0.17604	0.12449	3.30E-04	3E-05	0.00382	1.4E-07	0.00418	4.05E-04	3.7E-05	0.004708	7.79E-08	5.15E-03	0.000357	2.84E-05	0.008966	8.04E-08	0.009351
3917	487363.09	3853377.25	0.18038	0.41102	0.17393	0.1109	3.39E-04	3.6E-05	0.00378	1.2E-07	0.00415	4.15E-04	4.42E-05	0.004652	6.94E-08	5.11E-03	0.000366	3.4E-05	0.008858	7.16E-08	0.009259
3918	487863.09	3853377.25	0.18929	0.34746	0.18661	0.10281	3.56E-04	3E-05	0.00405	1.1E-07	0.00444	4.36E-04	3.74E-05	0.004991	6.43E-08	5.46E-03	0.000384	2.87E-05	0.009504	6.64E-08	0.009917
3919	488363.09	3853377.25	0.20443	0.41393	0.20739	0.09883	3.84E-04	3.6E-05	0.0045	1.1E-07	0.00492	4.71E-04	4.45E-05	0.005547	6.18E-08	6.06E-03	0.000415	3.42E-05	0.010562	6.38E-08	0.011012
3920	488863.09	3853377.25	0.20546	0.45376	0.20669	0.10641	3.86E-04	4E-05	0.00449	1.2E-07	0.00491	4.73E-04	4.88E-05	0.005528	6.66E-08	6.05E-03	0.000417	3.75E-05	0.010527	6.87E-08	0.010982
3921	489363.09	3853377.25	0.20435	0.39252	0.2037	0.10469	3.84E-04	3.4E-05	0.00442	1.2E-07	0.00484	4.71E-04	4.22E-05	0.005448	6.55E-08	5.96E-03	0.000415	3.25E-05	0.010375	6.76E-08	0.010822
3922	489863.09	3853377.25	0.19289	0.35192	0.20128	0.11713	3.62E-04	3.1E-05	0.00437	1.3E-07	0.00476	4.44E-04	3.78E-05	0.005383	7.33E-08	5.87E-03	0.000392	2.91E-05	0.010251	7.57E-08	0.010672
3923	490363.09	3853377.25	0.20984	0.35793	0.24136	0.11138	3.94E-04	3.1E-05	0.00524	1.2E-07	0.00567	4.83E-04	3.85E-05	0.006455	6.97E-08	6.98E-03	0.000426	2.96E-05	0.012293	7.19E-08	0.012748
3924	490863.09	3853377.25	0.21716	0.3635	0.26461	0.12237	4.08E-04	3.2E-05	0.00575	1.4E-07	0.00619	5.00E-04	3.91E-05	0.007077	7.65E-08	7.62E-03	0.000441	3.01E-05	0.013477	7.9E-08	0.013948
3925	491363.09	3853377.25	0.22784	0.39771	0.26927	0.12756	4.28E-04	3.5E-05	0.00585	1.4E-07	0.00631	5.25E-04	4.28E-05	0.007202	7.98E-08	7.77E-03	0.000463	3.29E-05	0.013714	8.24E-08	0.01421
3926	491863.09	3853377.25	0.22987	0.37774	0.27091	0.13899	4.32E-04	3.3E-05	0.00588	1.6E-07	0.00635	5.29E-04	4.06E-05	0.007246	8.69E-08	7.82E-03	0.000467	3.12E-05	0.013798	8.98E-08	0.014296
3927	492363.09	3853377.25	0.23671	0.38284	0.28773	0.15131	4.45E-04	3.4E-05	0.00625	1.7E-07	0.00673	5.45E-04	4.12E-05	0.007696	9.46E-08	8.28E-03	0.000481	3.17E-05	0.014654	9.77E-08	0.015167
3928	492863.09	3853377.25	0.24302	0.38157	0.29841	0.15395	4.57E-04	3.3E-05	0.00648	1.7E-07	0.00697	5.60E-04	4.1E-05	0.007981	9.63E-08	8.58E-03	0.000493	3.16E-05	0.015198	9.94E-08	0.015723
3929	493363.09	3853377.25	0.23677	0.38457	0.29112	0.15763	4.45E-04	3.4E-05	0.00632	1.8E-07	0.0068	5.45E-04	4.13E-05	0.007786	9.86E-08	8.37E-03	0.000481	3.18E-05	0.014827	1.02E-07	0.01534
3930	493863.09	3853377.25	0.23302	0.35177	0.28284	0.16319	4.38E-04	3.1E-05	0.00614	1.8E-07	0.00661	5.37E-04	3.78E-05	0.007565	1.02E-07	8.14E-03	0.000473	2.91E-05	0.014405	1.05E-07	0.014908
3931	494363.09	3853377.25	0.21989	0.30764	0.2698	0.15995	4.13E-04	2.7E-05	0.00586	1.8E-07	0.0063	5.06E-04	3.31E-05	0.007216	1E-07	7.76E-03	0.000446	2.54E-05	0.013741	1.03E-07	0.014213
3932	494863.09	3853377.25	0.20555	0.28502	0.24726	0.15112	3.86E-04	2.5E-05	0.00537	1.7E-07	0.00578	4.73E-04	3.06E-05	0.006613	9.45E-08	7.12E-03	0.000417	2.36E-05	0.012593	9.76E-08	0.013034
3933	495363.09	3853377.25	0.19268	0.26527	0.24507	0.14173	3.62E-04	2.3E-05	0.00532	1.6E-07	0.00571	4.44E-04	2.85E-05	0.006555	8.86E-08	7.03E-03	0.000391	2.19E-05	0.012482	9.16E-08	0.012895
3934	495863.09	3853377.25	0.1806	0.24858	0.2349	0.13634	3.39E-04	2.2E-05	0.0051	1.5E-07	0.00546	4.16E-04	2.67E-05	0.006283	8.53E-08	6.73E-03	0.000367	2.06E-05	0.011964	8.81E-08	0.012351
3935	496363.09	3853377.25	0.16647	0.22232	0.20593	0.12714	3.13E-04	2E-05	0.00447	1.4E-07	0.0048	3.83E-04	2.39E-05	0.005508	7.95E-08	5.92E-03	0.000338	1.84E-05	0.010488	8.21E-08	0.010845
3936	496863.09	3853377.25	0.14084	0.17903	0.16688	0.11324	2.65E-04	1.6E-05	0.00362	1.3E-07	0.0039	3.24E-04	1.92E-05	0.004463	7.08E-08	4.81E-03	0.000286	1.48E-05	0.008499	7.31E-08	0.0088
3937	497363.09	3853377.25	0.11015	0.135	0.13604	0.09951	2.07E-04	1.2E-05	0.00295	1.1E-07	0.00317	2.54E-04	1.45E-05	0.003638	6.22E-08	3.91E-03	0.000224	1.12E-05	0.006929	6.43E-08	0.007163
3938	497863.09	3853377.25	0.07048	0.08928	0.08817	0.07325	1.32E-04	7.8E-06	0.00191	8.2E-08	0.00206	1.62E-04	9.6E-06	0.002358	4.58E-08	2.53E-03	0.000143	7.38E-06	0.004491	4.73E-08	0.004641
3939	498363.09	3853377.25	0.0554	0.06722	0.06947	0.06128	1.04E-04	5.9E-06	0.00151	6.8E-08	0.00162	1.28E-04	7.23E-06	0.001858	3.83E-08	1.99E-03	0.000112	5.56E-06	0.003538	3.96E-08	0.003656
3940	471363.09	3853877.25	0.14719	0.2126	0.16434	0.1021	2.77E-04	1.9E-05	0.00357	1.1E-07	0.00386	3.39E-04	2.29E-05	0.004395	6.39E-08	4.76E-03	0.000299	1.76E-05	0.00837	6.6E-08	0.008686
3941	471863.09	3853877.25	0.17475	0.24751	0.19625	0.111	3.28E-04	2.2E-05	0.00426	1.2E-07	0.00461	4.02E-04	2.66E-05	0.005249	6.94E-08	5.68E-03	0.000355	2.05E-05	0.009995	7.17E-08	0.01037
3942	472363.09	3853877.25	0.18396	0.26787	0.21102	0.11593	3.46E-04	2.3E-05	0.00458	1.3E-07	0.00495	4.24E-04	2.88E-05	0.005644	7.25E-08	6.10E-03	0.000374	2.22E-05	0.010747	7.49E-08	0.011143
3943	472863.09	3853877.25	0.19475	0.28666	0.23983	0.12702	3.66E-04	2.5E-05	0.00521	1.4E-07	0.0056	4.48E-04	3.08E-05	0.006414	7.94E-08	6.89E-03	0.000395	2.37E-05	0.012215	8.21E-08	0.012634
3944	473363.09	3853877.25	0.20077	0.28924	0.24504	0.14057	3.77E-04	2.5E-05	0.00532	1.6E-07	0.00572	4.62E-04	3.11E-05	0.006554	8.79E-08	7.05E-03	0.000408	2.39E-05	0.01248	9.08E-08	0.012912
3945	473863.09	3853877.25	0.20676	0.30102	0.25463	0.14131	3.89E-04	2.6E-05	0.00553	1.6E-07	0.00594	4.76E-04	3.24E-05	0.00681	8.84E-08	7.32E-03	0.00042	2.49E-05	0.012968	9.13E-08	0.013413
3946	474363.09	3853877.25	0.21469	0.30316	0.26966	0.15135	4.03E-04	2.7E-05	0.00586	1.7E-07	0.00629	4.94E-04	3.26E-05	0.007212	9.47E-08	7.74E-03	0.000436	2.51E-05	0.013734	9.78E-08	0.014195
3947	474863.09	3853877.25	0.22794	0.30507	0.27969	0.1493	4.28E-04	2.7E-05	0.00607	1.7E-07	0.00653	5.25E-04	3.28E-05	0.00748	9.34E-08	8.04E-03	0.000463	2.52E-05	0.014245	9.64E-08	0.014733
3948	475363.09	3853877.25	0.22349	0.28221	0.2607	0.13323	4.20E-04	2.5E-05	0.00566	1.5E-07	0.00611	5.15E-04	3.03E-05	0.006973	8.33E-08	7.52E-03	0.000454	2.33E-05	0.013278	8.61E-08	0.013755
3949	475863.09	3853877.25	0.19226	0.22625	0.21809	0.12292	3.61E-04	2E-05	0.00474	1.4E-07	0.00512	4.43E-04	2.43E-05	0.005833	7.69E-08	6.30E-03	0.00039	1.87E-05	0.011107	7.94E-08	0.011517
3950	476363.09	3853877.25	0.14234	0.17283	0.16548	0.11338	2.67E-04	1.5E-05	0.00359	1.3E-07	0.00388	3.28E-04	1.86E-05	0.004426	7.09E-08	4.77E-03	0.000289	1.43E-05	0.008428	7.32E-08	0.008731
3951	476863.09	3853877.25	0.11086	0.1419	0.13006	0.09958	2.08E-04	1.2E-05	0.00282	1.1E-07	0.00305	2.55E-04	1.53E-05	0.003479	6.23E-08	3.75E-03	0.000225	1.17E-05	0.006624	6.43E-08	0.006861
3952	477363.09	3853877.25	0.11686	0.14524	0.14178	0.11334	2.20E-04	1.3E-05	0.00308	1.3E-07	0.00331	2.69E-04	1.56E-05	0.003792	7.09E-08	4.08E-03	0.000237	1.2E-05	0.007221	7.32E-08	0.00747
3953	477863.09	3853877.25	0.1353	0.16126	0.15238	0.11146	2.54E-04	1.4E-05	0.00331	1.2E-07	0.00358	3.12E-04	1.73E-05	0.004076	6.97E-08	4.40E-03	0.000275	1.33E-05	0.007761	7.2E-08	0.008049
3954	478363.09	3853877.25	0.1419	0.17457	0.17568	0.11994	2.67E-04	1.5E-05	0.00382	1.3E-07	0.0041	3.27E-04	1.88E-05	0.004699	7.5E-08	5.04E-03	0.000288	1.44E-05	0.008947	7.75E-08	0.00925
3955	478863.09	3853877.25	0.11242	0.13021	0.12258	0.09903	2.11E-04	1.1E-05	0.00266	1.1E-07	0.00288	2.59E-04	1.4E-05	0.003278	6.19E-08	3.55E-03	0.000228	1.08E-05	0.006243	6.4E-08	0.006482
3956	479363.09	3853877.25	0.15128	0.17169	0.18223	0.11512	2.84E-04	1.5E-05	0.00396	1.3E-07	0.00426	3.48E-04	1.85E-05	0.004874	7.2E-08	5.24E-03	0.000307	1.42E-05	0.009281	7.44E-08	0.009603
3957	479863.09	3853877.25	0.28202	0.36671	0.33177	0.1824	5.30E-04	3.2E-05	0.0072	2E-07	0.00777	6.49E-04	3.94E-05	0.008873	1.14E-07	9.56E-03	0.000573	3.03E-05	0.016897	1.18E-07	0.0175
3958	480363.09	3853877.25	0.50862	0.7889	0.55075	0.27289	9.56E-04	6.9E-05	0.01196	3E-07	0.01299	1.17E-03	8.48E-05	0.01473	1.71E-07	1.60E-02	0.001033	6.52E-05	0.02805	1.76E-07	0.029148
3959	480863.09	3853877.25	0.72051	1.12412	0.81352	0.46857	1.35E-03	9.9E-05	0.01767	5.2E-07	0.01912	1.66E-03	0.000121	0.021758	2.93E-07	2.35E-02	0.001463	9.3E-05	0.041433	3.03E-07	0.042989
3960	481363.09	3853877.25	0.88658	1.16751	0.89583	0.73979	1.67E-03	0.0001	0.01945	8.3E-07	0.02122	2.04E-03	0.000126	0.02396	4.63E-07	2.61E-02	0.0018	9.66E-05	0.045625	4.78E-07	0.047522
3961	481863.09	3853877.25	1.14769	1.25953	0.92758	1.11633	2.16E-03	0.00011	0.02014	1.2E-06	0.02241	2.64E-03	0.000135	0.024809	6.98E-07	2.76E-02	0.00233	0.000104	0.047242	7.21E-07	0.049677

3962	482363.09	3853877.25	1.85513	1.8064	1.32982	1.37455		3.49E-03	0.00016	0.02888	1.5E-06	0.03252		4.27E-03	0.000194	0.035567	8.6E-07	4.00E-02		0.003767	0.000149	0.067728	8.88E-07	0.071645		
3963	482863.09	3853877.25	4.3513	2.14913	1.42058	1.39844		8.18E-03	0.00019	0.03085	1.6E-06	0.03922		1.00E-02	0.000231	0.037994	8.75E-07	4.82E-02		0.008835	0.000178	0.072351	9.03E-07	0.081364		
3964	483363.09	3853877.25	2.06067	2.75273	1.9984	1.69848		3.87E-03	0.00024	0.0434	1.9E-06	0.04751		4.75E-03	0.000296	0.053449	1.06E-06	5.85E-02		0.004184	0.000228	0.10178	1.1E-06	0.106192		
3965	483863.09	3853877.25	1.88133	2.40849	2.00757	1.30277		3.54E-03	0.00021	0.0436	1.5E-06	0.04734		4.33E-03	0.000259	0.053694	8.15E-07	5.83E-02		0.00382	0.000199	0.102247	8.42E-07	0.106267		
3966	484363.09	3853877.25	1.35918	2.15544	1.3992	0.55106		2.55E-03	0.00019	0.03039	6.2E-07	0.03313		3.13E-03	0.000232	0.037423	3.45E-07	4.08E-02		0.00276	0.000178	0.071262	3.56E-07	0.0742		
3967	484863.09	3853877.25	0.67833	0.98357	0.78343	0.3275		1.27E-03	8.6E-05	0.01701	3.7E-07	0.01837		1.56E-03	0.000106	0.020953	2.05E-07	2.26E-02		0.001377	8.13E-05	0.039901	2.12E-07	0.041359		
3968	485363.09	3853877.25	0.28198	0.43635	0.33193	0.20659		5.30E-04	3.8E-05	0.00721	2.3E-07	0.00778		6.49E-04	4.69E-05	0.008878	1.29E-07	9.57E-03		0.000573	3.61E-05	0.016905	1.33E-07	0.017514		
3969	485863.09	3853877.25	0.2969	0.5499	0.34678	0.19544		5.58E-04	4.8E-05	0.00753	2.2E-07	0.00814		6.84E-04	5.91E-05	0.009275	1.22E-07	1.00E-02		0.000603	4.55E-05	0.017662	1.26E-07	0.01831		
3970	486363.09	3853877.25	0.28438	0.65755	0.28105	0.17404		5.34E-04	5.8E-05	0.0061	1.9E-07	0.0067		6.55E-04	7.07E-05	0.007517	1.09E-07	8.24E-03		0.000577	5.44E-05	0.014314	1.12E-07	0.014946		
3971	486863.09	3853877.25	0.26934	0.53558	0.25468	0.14239		5.06E-04	4.7E-05	0.00553	1.6E-07	0.00608		6.20E-04	5.76E-05	0.006812	8.91E-08	7.49E-03		0.000547	4.43E-05	0.012971	9.2E-08	0.013562		
3972	487363.09	3853877.25	0.2905	0.69779	0.28357	0.12691		5.46E-04	6.1E-05	0.00616	1.4E-07	0.00677		6.69E-04	7.5E-05	0.007584	7.94E-08	8.33E-03		0.00059	5.77E-05	0.014442	8.2E-08	0.01509		
3973	487863.09	3853877.25	0.35303	0.74512	0.3569	0.15574		6.63E-04	6.5E-05	0.00775	1.7E-07	0.00848		8.13E-04	8.01E-05	0.009546	9.74E-08	1.04E-02		0.000717	6.16E-05	0.018177	1.01E-07	0.018956		
3974	488363.09	3853877.25	0.35296	0.70872	0.37504	0.16387		6.63E-04	6.2E-05	0.00814	1.8E-07	0.00887		8.13E-04	7.62E-05	0.010031	1.02E-07	1.09E-02		0.000717	5.86E-05	0.019101	1.06E-07	0.019876		
3975	488863.09	3853877.25	0.37753	0.75604	0.43411	0.18176		7.09E-04	6.6E-05	0.00943	2E-07	0.0102		8.69E-04	8.13E-05	0.011611	1.14E-07	1.26E-02		0.000767	6.25E-05	0.022109	1.17E-07	0.022939		
3976	489363.09	3853877.25	0.33913	0.65249	0.40464	0.17548		6.37E-04	5.7E-05	0.00879	2E-07	0.00948		7.81E-04	7.01E-05	0.010822	1.1E-07	1.17E-02		0.000689	5.4E-05	0.020609	1.13E-07	0.021351		
3977	489863.09	3853877.25	0.33324	0.62864	0.40606	0.18183		6.26E-04	5.5E-05	0.00882	2E-07	0.0095		7.67E-04	6.76E-05	0.01086	1.14E-07	1.17E-02		0.000677	5.2E-05	0.020681	1.17E-07	0.02141		
3978	490363.09	3853877.25	0.31741	0.57853	0.39183	0.18965		5.96E-04	5.1E-05	0.00851	2.1E-07	0.00916		7.31E-04	6.22E-05	0.01048	1.19E-07	1.13E-02		0.000644	4.78E-05	0.019956	1.23E-07	0.020649		
3979	490863.09	3853877.25	0.3215	0.48683	0.38334	0.19184		6.04E-04	4.3E-05	0.00832	2.1E-07	0.00897		7.40E-04	5.23E-05	0.010253	1.2E-07	1.10E-02		0.000653	4.03E-05	0.019524	1.24E-07	0.020217		
3980	491363.09	3853877.25	0.31545	0.50105	0.37099	0.19002		5.93E-04	4.4E-05	0.00806	2.1E-07	0.00869		7.26E-04	5.39E-05	0.009922	1.19E-07	1.07E-02		0.00064	4.14E-05	0.018895	1.23E-07	0.019577		
3981	491863.09	3853877.25	0.3166	0.51782	0.3584	0.19859		5.95E-04	4.5E-05	0.00778	2.2E-07	0.00842		7.29E-04	5.57E-05	0.009586	1.24E-07	1.04E-02		0.000643	4.28E-05	0.018254	1.28E-07	0.018939		
3982	492363.09	3853877.25	0.32725	0.54353	0.3775	0.21485		6.15E-04	4.8E-05	0.0082	2.4E-07	0.00886		7.54E-04	5.84E-05	0.010096	1.34E-07	1.09E-02		0.000664	4.49E-05	0.019226	1.39E-07	0.019936		
3983	492863.09	3853877.25	0.33188	0.56007	0.38545	0.22097		6.24E-04	4.9E-05	0.00837	2.5E-07	0.00904		7.64E-04	6.02E-05	0.010309	1.38E-07	1.11E-02		0.000674	4.63E-05	0.019631	1.43E-07	0.020351		
3984	493363.09	3853877.25	0.31806	0.51165	0.38254	0.21399		5.98E-04	4.5E-05	0.00831	2.4E-07	0.00895		7.32E-04	5.5E-05	0.010231	1.34E-07	1.10E-02		0.000646	4.23E-05	0.019483	1.38E-07	0.020171		
3985	493863.09	3853877.25	0.29923	0.44487	0.37223	0.20334		5.62E-04	3.9E-05	0.00808	2.3E-07	0.00868		6.89E-04	4.78E-05	0.009956	1.27E-07	1.07E-02		0.000608	3.68E-05	0.018958	1.31E-07	0.019602		
3986	494363.09	3853877.25	0.28365	0.40319	0.36609	0.19584		5.33E-04	3.5E-05	0.00795	2.2E-07	0.00852		6.53E-04	4.33E-05	0.009791	1.22E-07	1.05E-02		0.000576	3.33E-05	0.018645	1.27E-07	0.019255		
3987	494863.09	3853877.25	0.2552	0.35649	0.33253	0.186		4.80E-04	3.1E-05	0.00722	2.1E-07	0.00773		5.88E-04	3.83E-05	0.008894	1.16E-07	9.52E-03		0.000518	2.95E-05	0.016936	1.2E-07	0.017484		
3988	495363.09	3853877.25	0.21238	0.26365	0.26957	0.15733		3.99E-04	2.3E-05	0.00585	1.8E-07	0.00628		4.89E-04	2.83E-05	0.00721	9.84E-08	7.73E-03		0.000431	2.18E-05	0.013729	1.02E-07	0.014182		
3989	495863.09	3853877.25	0.18	0.23441	0.21909	0.13788		3.38E-04	2.1E-05	0.00476	1.5E-07	0.00512		4.15E-04	2.52E-05	0.00586	8.62E-08	6.30E-03		0.000365	1.94E-05	0.011158	8.91E-08	0.011543		
3990	496363.09	3853877.25	0.15631	0.20758	0.19268	0.12855		2.94E-04	1.8E-05	0.00418	1.4E-07	0.0045		3.60E-04	2.23E-05	0.005153	8.04E-08	5.54E-03		0.000317	1.72E-05	0.009813	8.3E-08	0.010148		
3991	496863.09	3853877.25	0.12546	0.152	0.16076	0.11524		2.36E-04	1.3E-05	0.00349	1.3E-07	0.00374		2.89E-04	1.63E-05	0.0043	7.21E-08	4.60E-03		0.000255	1.26E-05	0.008188	7.44E-08	0.008455		
3992	497363.09	3853877.25	0.10337	0.13288	0.13138	0.10233		1.94E-04	1.2E-05	0.00285	1.1E-07	0.00306		2.38E-04	1.43E-05	0.003514	6.4E-08	3.77E-03		0.00021	1.1E-05	0.006691	6.61E-08	0.006912		
3993	497863.09	3853877.25	0.08106	0.09922	0.10271	0.08638		1.52E-04	8.7E-06	0.00223	9.7E-08	0.00239		1.87E-04	1.07E-05	0.002747	5.4E-08	2.94E-03		0.000165	8.21E-06	0.005231	5.58E-08	0.005404		
3994	498363.09	3853877.25	0.07115	0.08579	0.08929	0.07669		1.34E-04	7.5E-06	0.00194	8.6E-08	0.00208		1.64E-04	9.22E-06	0.002388	4.8E-08	2.56E-03		0.000144	7.09E-06	0.004548	4.95E-08	0.004699		
3995	471363.09	3854377.25	0.1495	0.18408	0.15879	0.10248		2.81E-04	1.6E-05	0.00345	1.1E-07	0.00375		3.44E-04	1.98E-05	0.004247	6.41E-08	4.61E-03		0.000304	1.52E-05	0.008087	6.62E-08	0.008406		
3996	471863.09	3854377.25	0.17069	0.20279	0.17106	0.1183		3.21E-04	1.8E-05	0.00371	1.3E-07	0.00405		3.93E-04	2.18E-05	0.004575	7.4E-08	4.99E-03		0.000347	1.68E-05	0.008712	7.64E-08	0.009076		
3997	472363.09	3854377.25	0.18553	0.24295	0.17948	0.12839		3.49E-04	2.1E-05	0.0039	1.4E-07	0.00427		4.27E-04	2.61E-05	0.0048	8.03E-08	5.25E-03		0.000377	2.01E-05	0.009141	8.29E-08	0.009538		
3998	472863.09	3854377.25	0.19516	0.24002	0.20646	0.13268		3.67E-04	2.1E-05	0.00448	1.5E-07	0.00487		4.49E-04	2.58E-05	0.005522	8.3E-08	6.00E-03		0.000396	1.98E-05	0.010515	8.57E-08	0.010931		
3999	473363.09	3854377.25	0.20694	0.25228	0.23183	0.13813		3.89E-04	2.2E-05	0.00503	1.5E-07	0.00545		4.77E-04	2.71E-05	0.0062	8.64E-08	6.70E-03		0.00042	2.09E-05	0.011807	8.92E-08	0.012248		
4000	473863.09	3854377.25	0.21772	0.2646	0.25213	0.14754		4.09E-04	2.3E-05	0.00548	1.6E-07	0.00591		5.01E-04	2.84E-05	0.006743	9.23E-08	7.27E-03		0.000442	2.19E-05	0.012841	9.53E-08	0.013305		
4001	474363.09	3854377.25	0.22769	0.28066	0.27776	0.14884		4.28E-04	2.5E-05	0.00603	1.7E-07	0.00648		5.24E-04	3.02E-05	0.007429	9.31E-08	7.98E-03		0.000462	2.32E-05	0.014146	9.61E-08	0.014632		
4002	474863.09	3854377.25	0.22129	0.28218	0.26559	0.14026		4.16E-04	2.5E-05	0.00577	1.6E-07	0.00621		5.10E-04	3.03E-05	0.007103	8.77E-08	7.64E-03		0.000449	2.33E-05	0.013527	9.06E-08	0.013999		
4003	475363.09	3854377.25	0.18443	0.23784	0.22583	0.11477		3.47E-04	2.1E-05	0.0049	1.3E-07	0.00527		4.25E-04	2.56E-05	0.00604	7.18E-08	6.49E-03		0.000374	1.97E-05	0.011502	7.41E-08	0.011896		
4004	475863.09	3854377.25	0.10864	0.12875	0.13492	0.09668		2.04E-04	1.1E-05	0.00293	1.1E-07	0.00315		2.50E-04	1.38E-05	0.003609	6.05E-08	3.87E-03		0.000221	1.06E-05	0.006872	6.25E-08	0.007103		
4005	476363.09	3854377.25	0.10018	0.11407	0.11447	0.09538		1.88E-04	1E-05	0.00249	1.1E-07	0.00268		2.31E-04	1.23E-05	0.003062	5.97E-08	3.30E-03		0.000203	9.43E-06	0.00583	6.16E-08	0.006043		
4006	476863.09	3854377.25	0.10088	0.1147	0.12148	0.09641		1.90E-04	1E-05	0.00264	1.1E-07	0.00284		2.32E-04	1.23E-05	0.003249	6.03E-08	3.49E-03		0.000205	9.49E-06	0.006187	6.23E-08	0.006401		
4007	477363.09	3854377.25	0.10485	0.12331	0.12091	0.09481		1.97E-04	1.1E-05	0.00263	1.1E-07	0.00283		2.41E-04	1.33E-05	0.003234	5.93E-08	3.49E-03		0.000213	1.02E-05	0.006158	6.12E-08	0.006381		
4008	477863.09	3854377.25	0.11196	0.12812	0.12738	0.09221		2.10E-04	1.1E-05	0.00277	1E-07	0.00299		2.58E-04	1.38E-05	0.003407	5.77E-08	3.68E-03		0.000227	1.06E-05	0.006488	5.96E-08	0.006726		
4009	478363.09	3854377.25	0.1301	0.14895	0.15008	0.10453		2.44E-04	1.3E-05	0.00326	1.2E-07	0.00352		3.00E-04	1.6E-05	0.004014	6.54E-08	4.33E-03		0.000264	1.23E-05	0.007644	6.75E-08	0.00792		
4010	478863.09	3854377.25	0.13971	0.15691	0.1624	0.11694		2.63E-04	1.4E-05	0.00353	1.3E-07	0.0038		3.22E-04	1.69E-05	0.004343	7.31E-08	4.68E-03		0.000284	1.3E-05	0.008271	7.55E-08	0.008568		
4011	479363.09	3854377.25	0.20452	0.25104	0.24832	0.1623		3.84E-04	2.2E-05	0.00539	1.8E-07	0.0058		4.71E-04	2.7E-05	0.006641	1.02E-07	7.14E-03		0.000415	2.08E-05	0.012647	1.05E-07	0.013083		
4012	479863.09	3854377.25	0.28216	0.33331	0.32516	0.17655		5.30E-04	2.9E-05	0.00706	2E-07	0.00762		6.50E-04	3.58E-05	0.008697	1.1E-07	9.38E-03		0.000573	2.76E-05	0.016561	1.14E-07	0.017161		
4013	480363.09	3854377.25	0.42399	0.55085	0.42098	0.23385		7.97E-04	4.8E-05	0.00914	2.6E-07	0.00999		9.76E-04	5.92E-05	0.011259	1.46E-07	1.23E-02		0.000861	4.56E-05	0.021441	1.51E-07	0.022347		
4014	480863.09	3854377.25	0.66569	1.06346	0.67215	0.35148		1.25E-03	9.3E-05	0.0146	3.9E-07	0.01594		1.53E-03	0.000114	0.017977	2.2E-07	1.96E-02		0.001352	8.79E-05	0.034233	2.27E-07	0.035673		
4015	481363.09	3854377.25	0.89805	1.63896	0.87379	0.59623		1.69E-03	0.00014	0.01898	6.7E-07	0.02081		2.07E-03	0.000176	0.02337	3.73E-07	2.56E-02		0.001823	0.000136	0.044503	3.85E-07	0.046462		
4016	481863.09	3854377.25	1.11374	1.67614	0.98388	1.09252		2.09E-03	0.00015	0.02137	1.2E-06	0.02361		2.56E-03	0.00018	0.026315	6.83E-07	2.91E-02		0.002261	0.000139	0.05011	7.06E-07	0.05251		
4017	482363.09	3854377.25	1.45751	1.77044	1.18549	1.27329		2.74E-03	0.00016	0.02574	1.4E-06	0.02864		3.36E-03	0.00019	0.031707	7.96E-07	3.53E-02		0.002959	0.000146	0.060378	8.23E-07	0.063484		
4018	482863.09	3854377.25	2.73333	2.58381	1.52412	1.66742		5.14E-03	0.00023	0.0331	1.9E-06	0.03846		6.29E-03	0.000278	0.040764	1.04E-06	4.73E-02		0.00555	0.000214	0.077624	1.08E-06	0.083389		
4019	483363.09	3854377.25	3.44503	4.49088	2.17912	1.64471		6.47E-03	0.00039	0.04732	1.8E-06	0.05419		7.93E-03	0.000483	0.058282	1.03E-06	6.67E-02		0.006995	0.000371	0.110984	1.06E-06	0.118351		
4020	483863.09	3854377.25	3.09954	5.79082	3.18298	1.16057		5.82E-03	0.00051	0.06912	1.3E-06	0.07546		7.14E-03	0.000623	0.085131	7.26E-07	9.29E-02		0.006293	0.000479	0.162111	7.5E-07	0.168884		
4021	484363.09	3854377.25	1.63186	1.94042	1.71638	0.65038		3.07E-03	0.00017	0.03727	7.3E-07	0.04051		3.76E-03	0.000209	0.045906	4.07E-07	4.99E-02		0.003313	0.00016	0.087416	4.2E-07	0.09089		
4022	484863.09	3854377.25	0.65428	0.78687	0.73261	0.39291		1.23E-03	6.9E-05	0.01591	4.4E-07	0.01721		1.51E-03	8.46E-05	0.019594	2.46E-07	2.12E-02		0.001328	6.51E-05	0.037312	2.54E-07	0.038706		

4023	485363.09	3854377.25	0.77259	1.55513	0.74184	0.29456	1.45E-03	0.00014	0.01611	3.3E-07	0.0177	1.78E-03	0.000167	0.019841	1.84E-07	2.18E-02	0.001569	0.000129	0.037782	1.9E-07	0.03948
4024	485863.09	3854377.25	0.52152	1.1548	0.46169	0.24838	9.80E-04	0.0001	0.01003	2.8E-07	0.01111	1.20E-03	0.000124	0.012348	1.55E-07	1.37E-02	0.001059	9.55E-05	0.023514	1.6E-07	0.024669
4025	486363.09	3854377.25	0.55631	1.38054	0.56815	0.22945	1.05E-03	0.00012	0.01234	2.6E-07	0.0135	1.28E-03	0.000148	0.015196	1.44E-07	1.66E-02	0.00113	0.000114	0.028936	1.48E-07	0.03018
4026	486863.09	3854377.25	0.50384	1.19864	0.48934	0.2202	9.47E-04	0.00011	0.01063	2.5E-07	0.01168	1.16E-03	0.000129	0.013088	1.38E-07	1.44E-02	0.001023	9.91E-05	0.024922	1.42E-07	0.026045
4027	487363.09	3854377.25	0.52121	1.12993	0.54502	0.2269	9.79E-04	9.9E-05	0.01184	2.5E-07	0.01291	1.20E-03	0.000121	0.014577	1.42E-07	1.59E-02	0.001058	9.34E-05	0.027758	1.47E-07	0.02891
4028	487863.09	3854377.25	0.58576	1.11135	0.5875	0.24757	1.10E-03	9.7E-05	0.01276	2.8E-07	0.01396	1.35E-03	0.000119	0.015713	1.55E-07	1.72E-02	0.001189	9.19E-05	0.029922	1.6E-07	0.031203
4029	488363.09	3854377.25	0.60525	1.1116	0.62294	0.28532	1.14E-03	9.8E-05	0.01353	3.2E-07	0.01476	1.39E-03	0.000119	0.016661	1.78E-07	1.82E-02	0.001229	9.19E-05	0.031727	1.84E-07	0.033048
4030	488863.09	3854377.25	0.61533	1.06939	0.63819	0.28601	1.16E-03	9.4E-05	0.01386	3.2E-07	0.01511	1.42E-03	0.000115	0.017069	1.79E-07	1.86E-02	0.001249	8.84E-05	0.032503	1.85E-07	0.033841
4031	489363.09	3854377.25	0.58923	1.08668	0.63182	0.28453	1.11E-03	9.5E-05	0.01372	3.2E-07	0.01492	1.36E-03	0.000117	0.016898	1.78E-07	1.84E-02	0.001196	8.99E-05	0.032179	1.84E-07	0.033465
4032	489863.09	3854377.25	0.55482	0.94207	0.63323	0.2809	1.04E-03	8.3E-05	0.01375	3.1E-07	0.01488	1.28E-03	0.000101	0.016936	1.76E-07	1.83E-02	0.001126	7.79E-05	0.032251	1.81E-07	0.033455
4033	490363.09	3854377.25	0.5176	0.86569	0.57616	0.27401	9.73E-04	7.6E-05	0.01251	3.1E-07	0.01356	1.19E-03	9.31E-05	0.01541	1.71E-07	1.67E-02	0.001051	7.16E-05	0.029344	1.77E-07	0.030467
4034	490863.09	3854377.25	0.36715	0.57853	0.44166	0.22831	6.90E-04	5.1E-05	0.00959	2.6E-07	0.01033	8.45E-04	6.22E-05	0.011812	1.43E-07	1.27E-02	0.000745	4.78E-05	0.022494	1.47E-07	0.023287
4035	491363.09	3854377.25	0.43182	0.66493	0.4944	0.25329	8.11E-04	5.8E-05	0.01074	2.8E-07	0.01161	9.94E-04	7.15E-05	0.013223	1.58E-07	1.43E-02	0.000877	5.5E-05	0.02518	1.64E-07	0.026112
4036	491863.09	3854377.25	0.4759	0.75517	0.53667	0.27778	8.94E-04	6.6E-05	0.01165	3.1E-07	0.01262	1.10E-03	8.12E-05	0.014354	1.74E-07	1.55E-02	0.000966	6.25E-05	0.027333	1.79E-07	0.028362
4037	492363.09	3854377.25	0.47875	0.75702	0.55085	0.28671	9.00E-04	6.6E-05	0.01196	3.2E-07	0.01293	1.10E-03	8.14E-05	0.014733	1.79E-07	1.59E-02	0.000972	6.26E-05	0.028055	1.85E-07	0.02909
4038	492863.09	3854377.25	0.44593	0.6299	0.52843	0.28475	8.38E-04	5.5E-05	0.01148	3.2E-07	0.01237	1.03E-03	6.77E-05	0.014133	1.78E-07	1.52E-02	0.000905	5.21E-05	0.026913	1.84E-07	0.027871
4039	493363.09	3854377.25	0.40579	0.56591	0.48761	0.26989	7.63E-04	5E-05	0.01059	3E-07	0.0114	9.34E-04	6.08E-05	0.013041	1.69E-07	1.40E-02	0.000824	4.68E-05	0.024834	1.74E-07	0.025705
4040	493863.09	3854377.25	0.35889	0.54089	0.43748	0.24783	6.74E-04	4.7E-05	0.0095	2.8E-07	0.01022	8.26E-04	5.81E-05	0.011701	1.55E-07	1.26E-02	0.000729	4.47E-05	0.022281	1.6E-07	0.023055
4041	494363.09	3854377.25	0.32398	0.47674	0.40396	0.23073	6.09E-04	4.2E-05	0.00877	2.6E-07	0.00942	7.46E-04	5.13E-05	0.010804	1.44E-07	1.16E-02	0.000658	3.94E-05	0.020574	1.49E-07	0.021271
4042	494863.09	3854377.25	0.24339	0.34713	0.30233	0.18419	4.57E-04	3E-05	0.00657	2.1E-07	0.00705	5.60E-04	3.73E-05	0.008086	1.15E-07	8.68E-03	0.000494	2.87E-05	0.015398	1.19E-07	0.015921
4043	495363.09	3854377.25	0.17884	0.25608	0.2169	0.15049	3.36E-04	2.2E-05	0.00471	1.7E-07	0.00507	4.12E-04	2.75E-05	0.005801	9.41E-08	6.24E-03	0.000363	2.12E-05	0.011047	9.72E-08	0.011431
4044	495863.09	3854377.25	0.14034	0.20639	0.17717	0.13163	2.64E-04	1.8E-05	0.00385	1.5E-07	0.00413	3.23E-04	2.22E-05	0.004739	8.23E-08	5.08E-03	0.000285	1.71E-05	0.009023	8.5E-08	0.009325
4045	496363.09	3854377.25	0.12642	0.18924	0.15769	0.12108	2.38E-04	1.7E-05	0.00342	1.4E-07	0.00368	2.91E-04	2.03E-05	0.004218	7.57E-08	4.53E-03	0.000257	1.56E-05	0.008031	7.82E-08	0.008304
4046	496863.09	3854377.25	0.10989	0.14019	0.13428	0.10568	2.07E-04	1.2E-05	0.00292	1.2E-07	0.00313	2.53E-04	1.51E-05	0.003591	6.61E-08	3.86E-03	0.000223	1.16E-05	0.006839	6.83E-08	0.007074
4047	497363.09	3854377.25	0.08459	0.10733	0.10915	0.0905	1.59E-04	9.4E-06	0.00237	1E-07	0.00254	1.95E-04	1.15E-05	0.002919	5.66E-08	3.13E-03	0.000172	8.88E-06	0.005559	5.85E-08	0.00574
4048	497863.09	3854377.25	0.08582	0.11745	0.10938	0.09153	1.61E-04	1E-05	0.00238	1E-07	0.00255	1.98E-04	1.26E-05	0.002925	5.72E-08	3.14E-03	0.000174	9.71E-06	0.005571	5.91E-08	0.005755
4049	498363.09	3854377.25	0.07464	0.10332	0.09417	0.08132	1.40E-04	9.1E-06	0.00204	9.1E-08	0.00219	1.72E-04	1.11E-05	0.002519	5.09E-08	2.70E-03	0.000152	8.54E-06	0.004796	5.25E-08	0.004956
4050	471363.09	3854877.25	0.16238	0.23113	0.17776	0.09538	3.05E-04	2E-05	0.00386	1.1E-07	0.00419	3.74E-04	2.48E-05	0.004754	5.97E-08	5.15E-03	0.00033	1.91E-05	0.009053	6.16E-08	0.009402
4051	471863.09	3854877.25	0.17264	0.24819	0.18966	0.10103	3.24E-04	2.2E-05	0.00412	1.1E-07	0.00446	3.98E-04	2.67E-05	0.005073	6.32E-08	5.50E-03	0.000351	2.05E-05	0.009659	6.53E-08	0.010031
4052	472363.09	3854877.25	0.1809	0.25828	0.19943	0.10865	3.40E-04	2.3E-05	0.00433	1.2E-07	0.00469	4.17E-04	2.78E-05	0.005334	6.8E-08	5.78E-03	0.000367	2.14E-05	0.010157	7.02E-08	0.010546
4053	472863.09	3854877.25	0.18321	0.24667	0.20202	0.11173	3.44E-04	2.2E-05	0.00439	1.2E-07	0.00475	4.22E-04	2.65E-05	0.005403	6.99E-08	5.85E-03	0.000372	2.04E-05	0.010289	7.22E-08	0.010681
4054	473363.09	3854877.25	0.19843	0.28955	0.21978	0.13039	3.73E-04	2.5E-05	0.00477	1.5E-07	0.00517	4.57E-04	3.11E-05	0.005878	8.16E-08	6.37E-03	0.000403	2.39E-05	0.011194	8.42E-08	0.01162
4055	473863.09	3854877.25	0.2144	0.3112	0.23629	0.14308	4.03E-04	2.7E-05	0.00513	1.6E-07	0.00556	4.94E-04	3.35E-05	0.00632	8.95E-08	6.85E-03	0.000435	2.57E-05	0.012034	9.24E-08	0.012496
4056	474363.09	3854877.25	0.23613	0.34041	0.25911	0.15972	4.44E-04	3E-05	0.00563	1.8E-07	0.0061	5.44E-04	3.66E-05	0.00693	9.99E-08	7.51E-03	0.000479	2.82E-05	0.013197	1.03E-07	0.013704
4057	474863.09	3854877.25	0.194	0.29874	0.21916	0.1236	3.65E-04	2.6E-05	0.00476	1.4E-07	0.00515	4.47E-04	3.21E-05	0.005862	7.73E-08	6.34E-03	0.000394	2.47E-05	0.011162	7.98E-08	0.011581
4058	475363.09	3854877.25	0.12742	0.20604	0.15212	0.09264	2.39E-04	1.8E-05	0.0033	1E-07	0.00356	2.93E-04	2.21E-05	0.004069	5.79E-08	4.38E-03	0.000259	1.7E-05	0.007748	5.98E-08	0.008023
4059	475863.09	3854877.25	0.09278	0.1381	0.10895	0.09074	1.74E-04	1.2E-05	0.00237	1E-07	0.00255	2.14E-04	1.48E-05	0.002914	5.68E-08	3.14E-03	0.000188	1.14E-05	0.005549	5.86E-08	0.005749
4060	476363.09	3854877.25	0.06581	0.08499	0.07865	0.07857	1.24E-04	7.5E-06	0.00171	8.8E-08	0.00184	1.52E-04	9.14E-06	0.002104	4.91E-08	2.26E-03	0.000134	7.03E-06	0.004006	5.08E-08	0.004146
4061	476863.09	3854877.25	0.06742	0.08191	0.08019	0.06499	1.27E-04	7.2E-06	0.00174	7.3E-08	0.00188	1.55E-04	8.81E-06	0.002145	4.06E-08	2.31E-03	0.000137	6.77E-06	0.004084	4.2E-08	0.004228
4062	477363.09	3854877.25	0.0785	0.09745	0.09331	0.08002	1.48E-04	8.5E-06	0.00203	8.9E-08	0.00218	1.81E-04	1.05E-05	0.002496	5E-08	2.69E-03	0.000159	8.06E-06	0.004752	5.17E-08	0.00492
4063	477863.09	3854877.25	0.0932	0.10704	0.10651	0.09504	1.75E-04	9.4E-06	0.00231	1.1E-07	0.0025	2.15E-04	1.15E-05	0.002849	5.94E-08	3.07E-03	0.000189	8.85E-06	0.005425	6.14E-08	0.005623
4064	478363.09	3854877.25	0.11868	0.17355	0.13615	0.11641	2.23E-04	1.5E-05	0.00296	1.3E-07	0.0032	2.73E-04	1.87E-05	0.003641	7.28E-08	3.93E-03	0.000241	1.44E-05	0.006934	7.52E-08	0.00719
4065	478863.09	3854877.25	0.17061	0.25549	0.20393	0.15338	3.21E-04	2.2E-05	0.00443	1.7E-07	0.00477	3.93E-04	2.75E-05	0.005454	9.59E-08	5.87E-03	0.000346	2.11E-05	0.010386	9.91E-08	0.010754
4066	479363.09	3854877.25	0.2928	0.42446	0.33315	0.17592	5.50E-04	3.7E-05	0.00723	2E-07	0.00782	6.74E-04	4.56E-05	0.00891	1.1E-07	9.63E-03	0.000594	3.51E-05	0.016968	1.14E-07	0.017597
4067	479863.09	3854877.25	0.45253	0.57124	0.50365	0.23827	8.50E-04	5E-05	0.01094	2.7E-07	0.01184	1.04E-03	6.14E-05	0.01347	1.49E-07	1.46E-02	0.000919	4.72E-05	0.025651	1.54E-07	0.026617
4068	480363.09	3854877.25	0.60473	0.89153	0.71437	0.31441	1.14E-03	7.8E-05	0.01551	3.5E-07	0.01673	1.39E-03	9.58E-05	0.019106	1.97E-07	2.06E-02	0.001228	7.37E-05	0.036383	2.03E-07	0.037685
4069	480863.09	3854877.25	0.86602	1.38868	0.9356	0.38703	1.63E-03	0.00012	0.02032	4.3E-07	0.02207	1.99E-03	0.000149	0.025023	2.42E-07	2.72E-02	0.001758	0.000115	0.047651	2.5E-07	0.049524
4070	481363.09	3854877.25	1.04782	1.69895	1.08105	0.47594	1.97E-03	0.00015	0.02348	5.3E-07	0.02559	2.41E-03	0.000183	0.028913	2.98E-07	3.15E-02	0.002127	0.000141	0.055058	3.07E-07	0.057327
4071	481863.09	3854877.25	1.2107	2.10742	1.18581	0.50559	2.28E-03	0.00018	0.02575	5.6E-07	0.02821	2.79E-03	0.000227	0.031715	3.16E-07	3.47E-02	0.002458	0.000174	0.060394	3.27E-07	0.063027
4072	482363.09	3854877.25	1.40487	2.45705	1.19763	1.11332	2.64E-03	0.00022	0.02601	1.2E-06	0.02886	3.24E-03	0.000264	0.032031	6.96E-07	3.55E-02	0.002852	0.000203	0.060996	7.19E-07	0.064052
4073	482863.09	3854877.25	1.9857	3.60877	1.61741	1.48267	3.73E-03	0.00032	0.03512	1.7E-06	0.03917	4.57E-03	0.000388	0.043259	9.27E-07	4.82E-02	0.004032	0.000298	0.082376	9.58E-07	0.086707
4074	483363.09	3854877.25	2.81035	5.77576	2.19284	1.84103	5.28E-03	0.00051	0.04762	2.1E-06	0.05341	6.47E-03	0.000621	0.058649	1.15E-06	6.57E-02	0.005706	0.000478	0.111683	1.19E-06	0.117868
4075	483863.09	3854877.25	7.8336	22.57767	4.37258	1.87661	1.47E-02	0.00198	0.09495	2.1E-06	0.11166	1.80E-02	0.002427	0.116948	1.17E-06	1.37E-01	0.015905	0.001867	0.222698	1.21E-06	0.240472
4076	484363.09	3854877.25	12.64479	20.43939	7.77543	1.17111	2.38E-02	0.00179	0.16885	1.3E-06	0.19441	2.91E-02	0.002197	0.207959	7.32E-07	2.39E-01	0.025674	0.00169	0.396007	7.56E-07	0.423372
4077	484863.09	3854877.25	5.88127	10.41478	4.37197	1.01037	1.11E-02	0.00091	0.09494	1.1E-06	0.10691	1.35E-02	0.00112	0.116931	6.32E-07	1.32E-01	0.011941	0.000861	0.222667	6.53E-07	0.23547
4078	485363.09	3854877.25	2.87049	6.19287	2.53291	0.58104	5.39E-03	0.00054	0.055	6.5E-07	0.06094	6.61E-03	0.000666	0.067744	3.63E-07	7.50E-02	0.005828	0.000512	0.129003	3.75E-07	0.135343
4079	485863.09	3854877.25	1.80278	4.11835	1.68334	0.44053	3.39E-03	0.00036	0.03656	4.9E-07	0.04031	4.15E-03	0.000443	0.045022	2.76E-07	4.96E-02	0.00366	0.000341	0.085733	2.85E-07	0.089735
4080	486363.09	3854877.25	1.27301	2.72032	1.26134	0.41544	2.39E-03	0.00024	0.02739	4.6E-07	0.03002	2.93E-03	0.000292	0.033735	2.6E-07	3.70E-02	0.002585	0.000225	0.064241	2.68E-07	0.067051
4081	486863.09	3854877.25	1.03636	2.20362	1.04625	0.38695	1.95E-03	0.00019	0.02272	4.3E-07	0.02486	2.39E-03	0.000237	0.027983	2.42E-07	3.06E-02	0.002104	0.000182	0.053286	2.5E-07	0.055573
4082	487363.09	3854877.25	1.00372	1.88797	1.07175	0.37678	1.89E-03	0.00017	0.02327	4.2E-07	0.02533	2.31E-03	0.000203	0.028665	2.36E-07	3.12E-02	0.002038	0.000156	0.054585	2.43E-07	0.056779
4083	487863.09	3854877.25	0.95288	1.75241	1.11085	0.39135	1.79E-03	0.00015	0.02412	4.4E-07	0.02607	2.19E-03	0.000188	0.02971	2.45E-07	3.21E-02	0.001935	0.000145	0.056576	2.53E-07	0.058656

4084	488363.09	3854877.25	0.90043	1.59939	1.1109	0.40472	1.69E-03	0.00014	0.02412	4.5E-07	0.02596	2.07E-03	0.000172	0.029712	2.53E-07	3.20E-02	0.001828	0.000132	0.056579	2.61E-07	0.05854
4085	488863.09	3854877.25	0.88877	1.47045	1.08648	0.42646	1.67E-03	0.00013	0.02359	4.8E-07	0.02539	2.05E-03	0.000158	0.029059	2.67E-07	3.13E-02	0.001805	0.000122	0.055335	2.75E-07	0.057261
4086	489363.09	3854877.25	0.83385	1.24932	1.03513	0.43516	1.57E-03	0.00011	0.02248	4.9E-07	0.02416	1.92E-03	0.000134	0.027685	2.72E-07	2.97E-02	0.001693	0.000103	0.05272	2.81E-07	0.054516
4087	489863.09	3854877.25	0.73583	1.10878	0.93195	0.40179	1.38E-03	9.7E-05	0.02024	4.5E-07	0.02172	1.69E-03	0.000119	0.024926	2.51E-07	2.67E-02	0.001494	9.17E-05	0.047465	2.6E-07	0.049051
4088	490363.09	3854877.25	0.5173	0.71908	0.60917	0.29571	9.72E-04	6.3E-05	0.01323	3.3E-07	0.01426	1.19E-03	7.73E-05	0.016293	1.85E-07	1.76E-02	0.00105	5.95E-05	0.031025	1.91E-07	0.032135
4089	490863.09	3854877.25	0.30146	0.43867	0.36403	0.2248	5.67E-04	3.8E-05	0.00791	2.5E-07	0.00851	6.94E-04	4.72E-05	0.009736	1.41E-07	1.05E-02	0.000612	3.63E-05	0.01854	1.45E-07	0.019189
4090	491363.09	3854877.25	0.33857	0.46569	0.41397	0.23945	6.36E-04	4.1E-05	0.00899	2.7E-07	0.00967	7.80E-04	5.01E-05	0.011072	1.5E-07	1.19E-02	0.000687	3.85E-05	0.021084	1.55E-07	0.02181
4091	491863.09	3854877.25	0.58359	0.8268	0.72441	0.36427	1.10E-03	7.3E-05	0.01573	4.1E-07	0.0169	1.34E-03	8.89E-05	0.019375	2.28E-07	2.08E-02	0.001185	6.84E-05	0.036895	2.35E-07	0.038148
4092	492363.09	3854877.25	0.55025	0.78336	0.70696	0.3636	1.03E-03	6.9E-05	0.01535	4.1E-07	0.01646	1.27E-03	8.42E-05	0.018908	2.27E-07	2.03E-02	0.001117	6.48E-05	0.036006	2.35E-07	0.037188
4093	492863.09	3854877.25	0.49874	0.87638	0.64204	0.34552	9.37E-04	7.7E-05	0.01394	3.9E-07	0.01496	1.15E-03	9.42E-05	0.017172	2.16E-07	1.84E-02	0.001013	7.25E-05	0.032699	2.23E-07	0.033785
4094	493363.09	3854877.25	0.45505	0.72701	0.57451	0.31153	8.55E-04	6.4E-05	0.01248	3.5E-07	0.0134	1.05E-03	7.82E-05	0.015366	1.95E-07	1.65E-02	0.000924	6.01E-05	0.02926	2.01E-07	0.030244
4095	493863.09	3854877.25	0.42097	0.63307	0.52021	0.288	7.91E-04	5.6E-05	0.0113	3.2E-07	0.01214	9.69E-04	6.81E-05	0.013913	1.8E-07	1.50E-02	0.000855	5.24E-05	0.026495	1.86E-07	0.027402
4096	494363.09	3854877.25	0.29716	0.40911	0.35449	0.21535	5.58E-04	3.6E-05	0.0077	2.4E-07	0.00829	6.84E-04	4.4E-05	0.009481	1.35E-07	1.02E-02	0.000603	3.38E-05	0.018054	1.39E-07	0.018692
4097	494863.09	3854877.25	0.18726	0.25474	0.22818	0.15376	3.52E-04	2.2E-05	0.00496	1.7E-07	0.00533	4.31E-04	2.74E-05	0.006103	9.62E-08	6.56E-03	0.00038	2.11E-05	0.011621	9.93E-08	0.012023
4098	495363.09	3854877.25	0.14222	0.18315	0.18182	0.1285	2.67E-04	1.6E-05	0.00395	1.4E-07	0.00423	3.28E-04	1.97E-05	0.004863	8.04E-08	5.21E-03	0.000289	1.51E-05	0.00926	8.3E-08	0.009564
4099	495863.09	3854877.25	0.11933	0.14923	0.15199	0.11541	2.24E-04	1.3E-05	0.0033	1.3E-07	0.00354	2.75E-04	1.6E-05	0.004065	7.22E-08	4.36E-03	0.000242	1.23E-05	0.007741	7.46E-08	0.007996
4100	496363.09	3854877.25	0.09054	0.12625	0.11696	0.09988	1.70E-04	1.1E-05	0.00254	1.1E-07	0.00272	2.08E-04	1.36E-05	0.003128	6.25E-08	3.35E-03	0.000184	1.04E-05	0.005957	6.45E-08	0.006151
4101	496863.09	3854877.25	0.07786	0.11234	0.09892	0.09018	1.46E-04	9.9E-06	0.00215	1E-07	0.0023	1.79E-04	1.21E-05	0.002646	5.64E-08	2.84E-03	0.000158	9.29E-06	0.005038	5.83E-08	0.005205
4102	497363.09	3854877.25	0.07367	0.10508	0.09205	0.08566	1.38E-04	9.2E-06	0.002	9.6E-08	0.00215	1.70E-04	1.13E-05	0.002462	5.36E-08	2.64E-03	0.00015	8.69E-06	0.004688	5.53E-08	0.004846
4103	497863.09	3854877.25	0.08067	0.10892	0.10392	0.09017	1.52E-04	9.6E-06	0.00226	1E-07	0.00242	1.86E-04	1.17E-05	0.002779	5.64E-08	2.98E-03	0.000164	9.01E-06	0.005293	5.82E-08	0.005466
4104	498363.09	3854877.25	0.0783	0.10934	0.09936	0.08788	1.47E-04	9.6E-06	0.00216	9.8E-08	0.00231	1.80E-04	1.18E-05	0.002657	5.5E-08	2.85E-03	0.000159	9.04E-06	0.00506	5.68E-08	0.005229
4105	471363.09	3855377.25	0.16443	0.19888	0.19356	0.11437	3.09E-04	1.7E-05	0.0042	1.3E-07	0.00453	3.79E-04	2.14E-05	0.005177	7.15E-08	5.58E-03	0.000334	1.64E-05	0.009858	7.39E-08	0.010208
4106	471863.09	3855377.25	0.16868	0.20932	0.20402	0.11356	3.17E-04	1.8E-05	0.00443	1.3E-07	0.00477	3.88E-04	2.25E-05	0.005457	7.1E-08	5.87E-03	0.000342	1.73E-05	0.010391	7.34E-08	0.010751
4107	472363.09	3855377.25	0.17876	0.2254	0.22211	0.1223	3.36E-04	2E-05	0.00482	1.4E-07	0.00518	4.12E-04	2.42E-05	0.00594	7.65E-08	6.38E-03	0.000363	1.86E-05	0.011312	7.9E-08	0.011694
4108	472863.09	3855377.25	0.1823	0.21603	0.22979	0.12444	3.43E-04	1.9E-05	0.00499	1.4E-07	0.00535	4.20E-04	2.32E-05	0.006146	7.78E-08	6.59E-03	0.00037	1.79E-05	0.011703	8.04E-08	0.012091
4109	473363.09	3855377.25	0.19604	0.2251	0.25157	0.13602	3.68E-04	2E-05	0.00546	1.5E-07	0.00585	4.51E-04	2.42E-05	0.006728	8.51E-08	7.20E-03	0.000398	1.86E-05	0.012813	8.79E-08	0.013229
4110	473863.09	3855377.25	0.20825	0.23185	0.27036	0.14357	3.91E-04	2E-05	0.00587	1.6E-07	0.00628	4.80E-04	2.49E-05	0.007231	8.98E-08	7.74E-03	0.000423	1.92E-05	0.01377	9.27E-08	0.014212
4111	474363.09	3855377.25	0.22366	0.25055	0.28792	0.15021	4.20E-04	2.2E-05	0.00625	1.7E-07	0.00669	5.15E-04	2.69E-05	0.007701	9.39E-08	8.24E-03	0.000454	2.07E-05	0.014664	9.7E-08	0.015139
4112	474863.09	3855377.25	0.18702	0.22291	0.23855	0.10906	3.51E-04	2E-05	0.00518	1.2E-07	0.00555	4.31E-04	2.4E-05	0.00638	6.82E-08	6.83E-03	0.00038	1.84E-05	0.012149	7.04E-08	0.012548
4113	475363.09	3855377.25	0.07351	0.10921	0.08222	0.07429	1.38E-04	9.6E-06	0.00179	8.3E-08	0.00193	1.69E-04	1.17E-05	0.002199	4.65E-08	2.38E-03	0.000149	9.03E-06	0.004188	4.8E-08	0.004346
4114	475863.09	3855377.25	0.06067	0.07627	0.0609	0.07318	1.14E-04	6.7E-06	0.00132	8.2E-08	0.00144	1.40E-04	8.2E-06	0.001629	4.58E-08	1.78E-03	0.000123	6.31E-06	0.003102	4.73E-08	0.003231
4115	476363.09	3855377.25	0.07326	0.09395	0.07708	0.07921	1.38E-04	8.2E-06	0.00167	8.9E-08	0.00182	1.69E-04	1.01E-05	0.002062	4.95E-08	2.24E-03	0.000149	7.77E-06	0.003926	5.12E-08	0.004082
4116	476863.09	3855377.25	0.06704	0.09782	0.07558	0.08077	1.26E-04	8.6E-06	0.00164	9E-08	0.00178	1.54E-04	1.05E-05	0.002021	5.05E-08	2.19E-03	0.000136	8.09E-06	0.003849	5.22E-08	0.003994
4117	477363.09	3855377.25	0.07825	0.10619	0.08435	0.08267	1.47E-04	9.3E-06	0.00183	9.2E-08	0.00199	1.80E-04	1.14E-05	0.002256	5.17E-08	2.45E-03	0.000159	8.78E-06	0.004296	5.34E-08	0.004464
4118	477863.09	3855377.25	0.09739	0.13335	0.11139	0.09149	1.83E-04	1.2E-05	0.00242	1E-07	0.00261	2.24E-04	1.43E-05	0.002979	5.72E-08	3.22E-03	0.000198	1.1E-05	0.005673	5.91E-08	0.005882
4119	478363.09	3855377.25	0.12497	0.16892	0.1448	0.11839	2.35E-04	1.5E-05	0.00314	1.3E-07	0.00339	2.88E-04	1.82E-05	0.003873	7.4E-08	4.18E-03	0.000254	1.4E-05	0.007375	7.65E-08	0.007643
4120	478863.09	3855377.25	0.16508	0.21846	0.18863	0.13554	3.10E-04	1.9E-05	0.0041	1.5E-07	0.00443	3.80E-04	2.35E-05	0.005045	8.48E-08	5.45E-03	0.000335	1.81E-05	0.009607	8.76E-08	0.00996
4121	479363.09	3855377.25	0.24945	0.33961	0.28987	0.16488	4.69E-04	3E-05	0.00629	1.8E-07	0.00679	5.74E-04	3.65E-05	0.007753	1.03E-07	8.36E-03	0.000506	2.81E-05	0.014763	1.07E-07	0.015298
4122	479863.09	3855377.25	0.35279	0.48825	0.40754	0.19888	6.63E-04	4.3E-05	0.00885	2.2E-07	0.00956	8.12E-04	5.25E-05	0.0109	1.24E-07	1.18E-02	0.000716	4.04E-05	0.020756	1.28E-07	0.021513
4123	480363.09	3855377.25	0.58285	0.85557	0.68643	0.28478	1.10E-03	7.5E-05	0.01491	3.2E-07	0.01608	1.34E-03	9.2E-05	0.018359	1.78E-07	1.98E-02	0.001183	7.08E-05	0.03496	1.84E-07	0.036215
4124	480863.09	3855377.25	0.87206	1.30994	1.03696	0.49207	1.64E-03	0.00011	0.02252	5.5E-07	0.02427	2.01E-03	0.000141	0.027734	3.08E-07	2.99E-02	0.001771	0.000108	0.052813	3.18E-07	0.054692
4125	481363.09	3855377.25	1.04743	1.46074	1.1356	0.83031	1.97E-03	0.00013	0.02466	9.3E-07	0.02676	2.41E-03	0.000157	0.030372	5.19E-07	3.29E-02	0.002127	0.000121	0.057837	5.36E-07	0.060085
4126	481863.09	3855377.25	1.17665	1.77961	1.29358	1.11302	2.21E-03	0.00016	0.02809	1.2E-06	0.03046	2.71E-03	0.000191	0.034598	6.96E-07	3.75E-02	0.002389	0.000147	0.065883	7.19E-07	0.06842
4127	482363.09	3855377.25	1.32769	2.04756	1.46329	1.38048	2.49E-03	0.00018	0.03178	1.5E-06	0.03445	3.06E-03	0.00022	0.039137	8.63E-07	4.24E-02	0.002696	0.000169	0.074526	8.92E-07	0.077392
4128	482863.09	3855377.25	1.75501	2.7991	1.75766	1.63202	3.30E-03	0.00025	0.03817	1.8E-06	0.04171	4.04E-03	0.000301	0.04701	1.02E-06	5.14E-02	0.003563	0.000231	0.089519	1.05E-06	0.093315
4129	483363.09	3855377.25	2.30326	5.03169	2.28576	2.0484	4.33E-03	0.00044	0.04964	2.3E-06	0.05441	5.30E-03	0.000541	0.061134	1.28E-06	6.70E-02	0.004676	0.000416	0.116415	1.32E-06	0.121509
4130	483863.09	3855377.25	3.66797	8.98122	3.69561	2.73089	6.89E-03	0.00079	0.08025	3.1E-06	0.08794	8.45E-03	0.000966	0.098842	1.71E-06	1.08E-01	0.007447	0.000743	0.18822	1.76E-06	0.196411
4131	484363.09	3855377.25	7.10689	13.5482	9.40523	2.71061	1.34E-02	0.00119	0.20424	3E-06	0.21879	1.64E-02	0.001456	0.251549	1.7E-06	2.69E-01	0.01443	0.00112	0.479014	1.75E-06	0.494566
4132	484863.09	3855377.25	11.03159	11.6739	27.0545	5.21684	2.07E-02	0.00102	0.58752	5.8E-06	0.60928	2.54E-02	0.001255	0.723591	3.26E-06	7.50E-01	0.022398	0.000965	1.377901	3.37E-06	1.401268
4133	485363.09	3855377.25	8.71934	7.15863	11.03506	2.50498	1.64E-02	0.00063	0.23964	2.8E-06	0.25665	2.01E-02	0.00077	0.29514	1.57E-06	3.16E-01	0.017704	0.000592	0.562022	1.62E-06	0.580319
4134	485863.09	3855377.25	4.28855	5.53709	5.71591	1.34494	8.06E-03	0.00049	0.12413	1.5E-06	0.13267	9.88E-03	0.000595	0.152876	8.41E-07	1.63E-01	0.008707	0.000458	0.291115	8.69E-07	0.300281
4135	486363.09	3855377.25	2.68869	4.09698	3.22535	0.92614	5.05E-03	0.00036	0.07004	1E-06	0.07545	6.19E-03	0.00044	0.086264	5.79E-07	9.29E-02	0.005459	0.000339	0.164269	5.98E-07	0.170067
4136	486863.09	3855377.25	1.89697	2.72394	2.14931	0.7276	3.56E-03	0.00024	0.04667	8.1E-07	0.05048	4.37E-03	0.000293	0.057485	4.55E-07	6.21E-02	0.003852	0.000225	0.109466	4.7E-07	0.113543
4137	487363.09	3855377.25	1.69568	2.48755	1.95266	0.68532	3.19E-03	0.00022	0.0424	7.7E-07	0.04581	3.90E-03	0.000267	0.052225	4.29E-07	5.64E-02	0.003443	0.000206	0.09945	4.43E-07	0.103099
4138	487863.09	3855377.25	1.53444	2.16888	1.89811	0.65888	2.88E-03	0.00019	0.04122	7.4E-07	0.04429	3.53E-03	0.000233	0.050766	4.12E-07	5.45E-02	0.003115	0.000179	0.096672	4.26E-07	0.099967
4139	488363.09	3855377.25	1.42077	1.78735	1.74485	0.6676	2.67E-03	0.00016	0.03789	7.5E-07	0.04072	3.27E-03	0.000192	0.046667	4.18E-07	5.01E-02	0.002885	0.000148	0.088866	4.31E-07	0.091899
4140	488863.09	3855377.25	1.29776	1.64342	1.56354	0.68302	2.44E-03	0.00014	0.03395	7.6E-07	0.03654	2.99E-03	0.000177	0.041818	4.27E-07	4.50E-02	0.002635	0.000136	0.079632	4.41E-07	0.082403
4141	489363.09	3855377.25	1.15092	1.45526	1.42108	0.67328	2.16E-03	0.00013	0.03086	7.5E-07	0.03315	2.65E-03	0.000156	0.038008	4.21E-07	4.08E-02	0.002337	0.00012	0.072376	4.35E-07	0.074834
4142	489863.09	3855377.25	1.01165	1.39484	1.28801	0.62054	1.90E-03	0.00012	0.02797	6.9E-07	0.02999	2.33E-03	0.00015	0.034449	3.88E-07	3.69E-02	0.002054	0.000115	0.065599	4.01E-07	0.067769
4143	490363.09	3855377.25	0.93718	1.45862	1.18189	0.63291	1.76E-03	0.00013	0.02567	7.1E-07	0.02756	2.16E-03	0.000157	0.03161	3.96E-07	3.39E-02	0.001903	0.000121	0.060194	4.09E-07	0.062218
4144	490863.09	3855377.25	0.52652	0.63973	0.66228	0.32333	9.89E-04	5.6E-05	0.01438	3.6E-07	0.01543	1.21E-03	6.88E-05	0.017713	2.02E-07	1.90E-02	0.001069	5.29E-05	0.03373	2.09E-07	0.034852

4145	491363.09	3855377.25	0.39803	0.48823	0.5081	0.28036	7.48E-04	4.3E-05	0.01103	3.1E-07	0.01183	9.17E-04	5.25E-05	0.013589	1.75E-07	1.46E-02	0.000808	4.04E-05	0.025878	1.81E-07	0.026727
4146	491863.09	3855377.25	0.67017	0.98591	0.8539	0.49608	1.26E-03	8.6E-05	0.01854	5.5E-07	0.01989	1.54E-03	0.000106	0.022838	3.1E-07	2.45E-02	0.001361	8.15E-05	0.04349	3.2E-07	0.044932
4147	492363.09	3855377.25	0.63289	1.05879	0.81941	0.52026	1.19E-03	9.3E-05	0.01779	5.8E-07	0.01908	1.46E-03	0.000114	0.021916	3.25E-07	2.35E-02	0.001285	8.76E-05	0.041733	3.36E-07	0.043106
4148	492863.09	3855377.25	0.58685	0.88491	0.76517	0.44694	1.10E-03	7.8E-05	0.01662	5E-07	0.0178	1.35E-03	9.51E-05	0.020465	2.8E-07	2.19E-02	0.001192	7.32E-05	0.038971	2.89E-07	0.040236
4149	493363.09	3855377.25	0.51561	0.7204	0.67328	0.36193	9.69E-04	6.3E-05	0.01462	4E-07	0.01565	1.19E-03	7.74E-05	0.018007	2.26E-07	1.93E-02	0.001047	5.96E-05	0.034291	2.34E-07	0.035397
4150	493863.09	3855377.25	0.35858	0.48547	0.46449	0.2671	6.74E-04	4.3E-05	0.01009	3E-07	0.0108	8.26E-04	5.22E-05	0.012423	1.67E-07	1.33E-02	0.000728	4.01E-05	0.023657	1.73E-07	0.024425
4151	494363.09	3855377.25	0.22695	0.29191	0.27943	0.18852	4.26E-04	2.6E-05	0.00607	2.1E-07	0.00652	5.23E-04	3.14E-05	0.007474	1.18E-07	8.03E-03	0.000461	2.41E-05	0.014232	1.22E-07	0.014717
4152	494863.09	3855377.25	0.14521	0.1889	0.18807	0.13851	2.73E-04	1.7E-05	0.00408	1.5E-07	0.00437	3.34E-04	2.03E-05	0.00503	8.66E-08	5.38E-03	0.000295	1.56E-05	0.009579	8.95E-08	0.009889
4153	495363.09	3855377.25	0.10904	0.15331	0.13759	0.11274	2.05E-04	1.3E-05	0.00299	1.3E-07	0.00321	2.51E-04	1.65E-05	0.00368	7.05E-08	3.95E-03	0.000221	1.27E-05	0.007008	7.28E-08	0.007242
4154	495863.09	3855377.25	0.09057	0.12848	0.11052	0.09845	1.70E-04	1.1E-05	0.0024	1.1E-07	0.00258	2.09E-04	1.38E-05	0.002956	6.16E-08	3.18E-03	0.000184	1.06E-05	0.005629	6.36E-08	0.005823
4155	496363.09	3855377.25	0.08552	0.11866	0.10427	0.09377	1.61E-04	1E-05	0.00226	1E-07	0.00244	1.97E-04	1.28E-05	0.002789	5.86E-08	3.00E-03	0.000174	9.81E-06	0.005311	6.06E-08	0.005494
4156	496863.09	3855377.25	0.08193	0.11453	0.09719	0.08902	1.54E-04	1E-05	0.00211	9.9E-08	0.00227	1.89E-04	1.23E-05	0.002599	5.57E-08	2.80E-03	0.000166	9.47E-06	0.00495	5.75E-08	0.005126
4157	497363.09	3855377.25	0.08073	0.11577	0.09805	0.08835	1.52E-04	1E-05	0.00213	9.9E-08	0.00229	1.86E-04	1.24E-05	0.002622	5.53E-08	2.82E-03	0.000164	9.57E-06	0.004994	5.71E-08	0.005167
4158	497863.09	3855377.25	0.08564	0.1162	0.10035	0.08916	1.61E-04	1E-05	0.00218	1E-07	0.00235	1.97E-04	1.25E-05	0.002684	5.58E-08	2.89E-03	0.000174	9.61E-06	0.005111	5.76E-08	0.005294
4159	498363.09	3855377.25	0.09134	0.12451	0.10818	0.09234	1.72E-04	1.1E-05	0.00235	1E-07	0.00253	2.10E-04	1.34E-05	0.002893	5.78E-08	3.12E-03	0.000185	1.03E-05	0.00551	5.96E-08	0.005705
4160	471363.09	3855877.25	0.15704	0.18813	0.20739	0.10991	2.95E-04	1.7E-05	0.0045	1.2E-07	0.00482	3.62E-04	2.02E-05	0.005547	6.87E-08	5.93E-03	0.000319	1.56E-05	0.010562	7.1E-08	0.010897
4161	471863.09	3855877.25	0.1596	0.20515	0.21356	0.11098	3.00E-04	1.8E-05	0.00464	1.2E-07	0.00496	3.68E-04	2.21E-05	0.005712	6.94E-08	6.10E-03	0.000324	1.7E-05	0.010877	7.17E-08	0.011218
4162	472363.09	3855877.25	0.17233	0.22017	0.23564	0.12848	3.24E-04	1.9E-05	0.00512	1.4E-07	0.00546	3.97E-04	2.37E-05	0.006302	8.04E-08	6.72E-03	0.00035	1.82E-05	0.012001	8.3E-08	0.012369
4163	472863.09	3855877.25	0.17013	0.21629	0.23686	0.12566	3.20E-04	1.9E-05	0.00514	1.4E-07	0.00548	3.92E-04	2.33E-05	0.006335	7.86E-08	6.75E-03	0.000345	1.79E-05	0.012063	8.12E-08	0.012427
4164	473363.09	3855877.25	0.19107	0.25141	0.26031	0.14803	3.59E-04	2.2E-05	0.00565	1.7E-07	0.00603	4.40E-04	2.7E-05	0.006962	9.26E-08	7.43E-03	0.000388	2.08E-05	0.013258	9.56E-08	0.013667
4165	473863.09	3855877.25	0.21398	0.27928	0.27401	0.16046	4.02E-04	2.5E-05	0.00595	1.8E-07	0.00638	4.93E-04	3E-05	0.007329	1E-07	7.85E-03	0.000434	2.31E-05	0.013955	1.04E-07	0.014413
4166	474363.09	3855877.25	0.23254	0.29509	0.28067	0.15898	4.37E-04	2.6E-05	0.0061	1.8E-07	0.00656	5.35E-04	3.17E-05	0.007507	9.94E-08	8.07E-03	0.000472	2.44E-05	0.014295	1.03E-07	0.014791
4167	474863.09	3855877.25	0.17268	0.23133	0.20161	0.10754	3.25E-04	2E-05	0.00438	1.2E-07	0.00472	3.98E-04	2.49E-05	0.005392	6.73E-08	5.81E-03	0.000351	1.91E-05	0.010268	6.95E-08	0.010638
4168	475363.09	3855877.25	0.09258	0.12855	0.11052	0.07152	1.74E-04	1.1E-05	0.0024	8E-08	0.00259	2.13E-04	1.38E-05	0.002956	4.47E-08	3.18E-03	0.000188	1.06E-05	0.005629	4.62E-08	0.005827
4169	475863.09	3855877.25	0.04387	0.05606	0.05172	0.05407	8.24E-05	4.9E-06	0.00112	6E-08	0.00121	1.01E-04	6.03E-06	0.001383	3.38E-08	1.49E-03	8.91E-05	4.64E-06	0.002634	3.49E-08	0.002728
4170	476363.09	3855877.25	0.04774	0.06168	0.05672	0.05519	8.97E-05	5.4E-06	0.00123	6.2E-08	0.00133	1.10E-04	6.63E-06	0.001517	3.45E-08	1.63E-03	9.69E-05	5.1E-06	0.002889	3.57E-08	0.002991
4171	476863.09	3855877.25	0.06819	0.08335	0.0775	0.07282	1.28E-04	7.3E-06	0.00168	8.1E-08	0.00182	1.57E-04	8.96E-06	0.002073	4.55E-08	2.24E-03	0.000138	6.89E-06	0.003947	4.7E-08	0.004093
4172	477363.09	3855877.25	0.08426	0.11546	0.09295	0.07677	1.58E-04	1E-05	0.00202	8.6E-08	0.00219	1.94E-04	1.24E-05	0.002486	4.8E-08	2.69E-03	0.000171	9.55E-06	0.004734	4.96E-08	0.004915
4173	477863.09	3855877.25	0.10154	0.13704	0.10976	0.08673	1.91E-04	1.2E-05	0.00238	9.7E-08	0.00259	2.34E-04	1.47E-05	0.002936	5.42E-08	3.18E-03	0.000206	1.13E-05	0.00559	5.6E-08	0.005808
4174	478363.09	3855877.25	0.12908	0.1705	0.14532	0.10307	2.43E-04	1.5E-05	0.00316	1.2E-07	0.00341	2.97E-04	1.83E-05	0.003887	6.45E-08	4.20E-03	0.000262	1.41E-05	0.007401	6.66E-08	0.007677
4175	478863.09	3855877.25	0.19504	0.26373	0.19872	0.12649	3.67E-04	2.3E-05	0.00432	1.4E-07	0.00471	4.49E-04	2.84E-05	0.005315	7.91E-08	5.79E-03	0.000396	2.18E-05	0.010121	8.17E-08	0.010539
4176	479363.09	3855877.25	0.27602	0.40775	0.32499	0.15615	5.19E-04	3.6E-05	0.00706	1.7E-07	0.00761	6.36E-04	4.38E-05	0.008692	9.77E-08	9.37E-03	0.00056	3.37E-05	0.016552	1.01E-07	0.017146
4177	479863.09	3855877.25	0.39977	0.57423	0.45245	0.21119	7.51E-04	5E-05	0.00983	2.4E-07	0.01063	9.21E-04	6.17E-05	0.012101	1.32E-07	1.31E-02	0.000812	4.75E-05	0.023044	1.36E-07	0.023903
4178	480363.09	3855877.25	0.5771	0.90089	0.68139	0.30067	1.08E-03	7.9E-05	0.0148	3.4E-07	0.01596	1.33E-03	9.68E-05	0.018224	1.88E-07	1.97E-02	0.001172	7.45E-05	0.034704	1.94E-07	0.03595
4179	480863.09	3855877.25	0.77272	1.21927	0.98389	0.4392	1.45E-03	0.00011	0.02137	4.9E-07	0.02293	1.78E-03	0.000131	0.026315	2.75E-07	2.82E-02	0.001569	0.000101	0.05011	2.84E-07	0.05178
4180	481363.09	3855877.25	0.92376	1.516	1.05703	0.45963	1.74E-03	0.00013	0.02295	5.1E-07	0.02482	2.13E-03	0.000163	0.028271	2.87E-07	3.06E-02	0.001876	0.000125	0.053835	2.97E-07	0.055836
4181	481863.09	3855877.25	1.17017	1.96714	1.29022	1.10518	2.20E-03	0.00017	0.02802	1.2E-06	0.03039	2.69E-03	0.000211	0.034508	6.91E-07	3.74E-02	0.002376	0.000163	0.065712	7.14E-07	0.068251
4182	482363.09	3855877.25	1.28236	2.31792	1.41828	1.41609	2.41E-03	0.0002	0.0308	1.6E-06	0.03341	2.95E-03	0.000249	0.037933	8.86E-07	4.11E-02	0.002604	0.000192	0.072234	9.15E-07	0.07503
4183	482863.09	3855877.25	1.63195	2.43774	1.72091	1.69104	3.07E-03	0.00021	0.03737	1.9E-06	0.04065	3.76E-03	0.000262	0.046027	1.06E-06	5.00E-02	0.003313	0.000202	0.087647	1.09E-06	0.091163
4184	483363.09	3855877.25	1.88959	3.25281	2.23161	2.2192	3.55E-03	0.00029	0.04846	2.5E-06	0.0523	4.35E-03	0.00035	0.059686	1.39E-06	6.44E-02	0.003837	0.000269	0.113657	1.43E-06	0.117764
4185	483863.09	3855877.25	2.50235	4.01724	3.0845	2.96458	4.70E-03	0.00035	0.06698	3.3E-06	0.07204	5.76E-03	0.000432	0.082497	1.85E-06	8.87E-02	0.005081	0.000332	0.157095	1.92E-06	0.16251
4186	484363.09	3855877.25	3.5248	3.30272	4.62167	4.63506	6.62E-03	0.00029	0.10036	5.2E-06	0.10728	8.12E-03	0.000355	0.12361	2.9E-06	1.32E-01	0.007157	0.000273	0.235384	2.99E-06	0.242817
4187	484863.09	3855877.25	6.3045	4.21668	8.54066	4.91697	1.18E-02	0.00037	0.18547	5.5E-06	0.19769	1.45E-02	0.000453	0.228426	3.08E-06	2.43E-01	0.012801	0.000349	0.434981	3.18E-06	0.448133
4188	485363.09	3855877.25	10.97877	3.61928	26.97014	7.03321	2.06E-02	0.00032	0.58568	7.9E-06	0.60664	2.53E-02	0.000389	0.721335	4.4E-06	7.47E-01	0.022291	0.000299	1.373605	4.54E-06	1.3962
4189	485863.09	3855877.25	10.63373	4.03566	13.99887	3.88545	2.00E-02	0.00035	0.304	4.3E-06	0.32434	2.45E-02	0.000434	0.374409	2.43E-06	3.99E-01	0.021591	0.000334	0.71297	2.51E-06	0.734897
4190	486363.09	3855877.25	4.46031	3.03142	5.97537	1.86035	8.38E-03	0.00027	0.12976	2.1E-06	0.13841	1.03E-02	0.000326	0.159815	1.16E-06	1.70E-01	0.009056	0.000251	0.304329	1.2E-06	0.313637
4191	486863.09	3855877.25	3.12178	2.69284	4.011	1.33519	5.87E-03	0.00024	0.0871	1.5E-06	0.09321	7.19E-03	0.000289	0.107277	8.35E-07	1.15E-01	0.006338	0.000223	0.204283	8.62E-07	0.210844
4192	487363.09	3855877.25	2.67967	2.30891	3.39727	1.15807	5.04E-03	0.0002	0.07378	1.3E-06	0.07901	6.17E-03	0.000248	0.090862	7.24E-07	9.73E-02	0.005441	0.000191	0.173025	7.48E-07	0.178657
4193	487863.09	3855877.25	2.27576	2.05864	2.9256	1.19879	4.28E-03	0.00018	0.06353	1.3E-06	0.06799	5.24E-03	0.000221	0.078247	7.5E-07	8.37E-02	0.004621	0.00017	0.149002	7.74E-07	0.153794
4194	488363.09	3855877.25	1.90043	2.25826	2.4812	1.13739	3.57E-03	0.0002	0.05388	1.3E-06	0.05765	4.38E-03	0.000243	0.066361	7.11E-07	7.10E-02	0.003859	0.000187	0.126369	7.35E-07	0.130415
4195	488863.09	3855877.25	1.6423	1.96152	2.10443	1.0977	3.09E-03	0.00017	0.0457	1.2E-06	0.04896	3.78E-03	0.000211	0.056284	6.87E-07	6.03E-02	0.003334	0.000162	0.10718	7.09E-07	0.110677
4196	489363.09	3855877.25	1.41278	1.90153	1.81382	1.03759	2.65E-03	0.00017	0.03939	1.2E-06	0.04221	3.25E-03	0.000204	0.048512	6.49E-07	5.20E-02	0.002868	0.000157	0.092379	6.7E-07	0.095405
4197	489863.09	3855877.25	1.24902	1.85125	1.57348	0.97593	2.35E-03	0.00016	0.03417	1.1E-06	0.03668	2.88E-03	0.000199	0.042084	6.1E-07	4.52E-02	0.002536	0.000153	0.080138	6.3E-07	0.082828
4198	490363.09	3855877.25	1.10865	1.62239	1.38698	0.93114	2.08E-03	0.00014	0.03012	1E-06	0.03235	2.55E-03	0.000174	0.037096	5.82E-07	3.98E-02	0.002251	0.000134	0.07064	6.01E-07	0.073025
4199	490863.09	3855877.25	0.98845	1.46198	1.22904	0.78785	1.86E-03	0.00013	0.02669	8.8E-07	0.02868	2.28E-03	0.000157	0.032872	4.93E-07	3.53E-02	0.002007	0.000121	0.062596	5.09E-07	0.064724
4200	491363.09	3855877.25	0.84357	1.17439	1.0398	0.58003	1.59E-03	0.0001	0.02258	6.5E-07	0.02427	1.94E-03	0.000126	0.02781	3.63E-07	2.99E-02	0.001713	9.71E-05	0.052958	3.75E-07	0.054768
4201	491863.09	3855877.25	0.82096	1.09212	1.01488	0.68608	1.54E-03	9.6E-05	0.02204	7.7E-07	0.02368	1.89E-03	0.000117	0.027144	4.29E-07	2.92E-02	0.001667	9.03E-05	0.051688	4.43E-07	0.053446
4202	492363.09	3855877.25	0.75243	1.03977	0.92167	0.59112	1.41E-03	9.1E-05	0.02001	6.6E-07	0.02152	1.73E-03	0.000112	0.024651	3.7E-07	2.65E-02	0.001528	8.6E-05	0.046941	3.82E-07	0.048555
4203	492863.09	3855877.25	0.67237	0.95725	0.82597	0.52835	1.26E-03	8.4E-05	0.01794	5.9E-07	0.01928	1.55E-03	0.000103	0.022091	3.3E-07	2.37E-02	0.001365	7.92E-05	0.042067	3.41E-07	0.043512
4204	493363.09	3855877.25	0.46671	0.63861	0.5905	0.33788	8.77E-04	5.6E-05	0.01282	3.8E-07	0.01376	1.07E-03	6.87E-05	0.015793	2.11E-07	1.69E-02	0.000948	5.28E-05	0.030075	2.18E-07	0.031075
4205	493863.09	3855877.25	0.26317	0.35676	0.33305	0.22337	4.95E-04	3.1E-05	0.00723	2.5E-07	0.00776	6.06E-04	3.84E-05	0.008908	1.4E-07	9.55E-03	0.000534	2.95E-05	0.016962	1.44E-07	0.017526

4206	494363.09	3855877.25	0.16576	0.24372	0.20856	0.1638		3.11E-04	2.1E-05	0.00453	1.8E-07	0.00486		3.82E-04	2.62E-05	0.005578	1.02E-07	5.99E-03		0.000337	2.02E-05	0.010622	1.06E-07	0.010979
4207	494863.09	3855877.25	0.12127	0.18107	0.15963	0.1324		2.28E-04	1.6E-05	0.00347	1.5E-07	0.00371		2.79E-04	1.95E-05	0.004269	8.28E-08	4.57E-03		0.000246	1.5E-05	0.00813	8.55E-08	0.008391
4208	495363.09	3855877.25	0.09131	0.1197	0.1163	0.10247		1.72E-04	1.1E-05	0.00253	1.1E-07	0.00271		2.10E-04	1.29E-05	0.003111	6.41E-08	3.33E-03		0.000185	9.9E-06	0.005923	6.62E-08	0.006119
4209	495863.09	3855877.25	0.08778	0.1159	0.10969	0.09829		1.65E-04	1E-05	0.00238	1.1E-07	0.00256		2.02E-04	1.25E-05	0.002934	6.15E-08	3.15E-03		0.000178	9.58E-06	0.005587	6.35E-08	0.005774
4210	496363.09	3855877.25	0.08564	0.11484	0.10475	0.09404		1.61E-04	1E-05	0.00227	1.1E-07	0.00245		1.97E-04	1.23E-05	0.002802	5.88E-08	3.01E-03		0.000174	9.5E-06	0.005335	6.07E-08	0.005518
4211	496863.09	3855877.25	0.08653	0.11898	0.1059	0.09361		1.63E-04	1E-05	0.0023	1E-07	0.00247		1.99E-04	1.28E-05	0.002832	5.85E-08	3.04E-03		0.000176	9.84E-06	0.005394	6.05E-08	0.005579
4212	497363.09	3855877.25	0.08923	0.11773	0.1064	0.09598		1.68E-04	1E-05	0.00231	1.1E-07	0.00249		2.05E-04	1.27E-05	0.002846	6E-08	3.06E-03		0.000181	9.74E-06	0.005419	6.2E-08	0.00561
4213	497863.09	3855877.25	0.09275	0.11868	0.11004	0.09744		1.74E-04	1E-05	0.00239	1.1E-07	0.00257		2.14E-04	1.28E-05	0.002943	6.09E-08	3.17E-03		0.000188	9.81E-06	0.005604	6.29E-08	0.005803
4214	498363.09	3855877.25	0.10633	0.12947	0.12593	0.10628		2.00E-04	1.1E-05	0.00273	1.2E-07	0.00295		2.45E-04	1.39E-05	0.003368	6.65E-08	3.63E-03		0.000216	1.07E-05	0.006414	6.87E-08	0.00664
4215	471363.09	3856377.25	0.14715	0.22478	0.18557	0.11129		2.77E-04	2E-05	0.00403	1.2E-07	0.00433		3.39E-04	2.42E-05	0.004963	6.96E-08	5.33E-03		0.000299	1.86E-05	0.009451	7.19E-08	0.009769
4216	471863.09	3856377.25	0.15107	0.24075	0.20018	0.11233		2.84E-04	2.1E-05	0.00435	1.3E-07	0.00465		3.48E-04	2.59E-05	0.005354	7.03E-08	5.73E-03		0.000307	1.99E-05	0.010195	7.26E-08	0.010522
4217	472363.09	3856377.25	0.16144	0.25156	0.21156	0.12238		3.03E-04	2.2E-05	0.00459	1.4E-07	0.00492		3.72E-04	2.7E-05	0.005658	7.65E-08	6.06E-03		0.000328	2.08E-05	0.010775	7.91E-08	0.011124
4218	472863.09	3856377.25	0.17409	0.27284	0.22557	0.13238		3.27E-04	2.4E-05	0.0049	1.5E-07	0.00525		4.01E-04	2.93E-05	0.006033	8.28E-08	6.46E-03		0.000353	2.26E-05	0.011488	8.55E-08	0.011865
4219	473363.09	3856377.25	0.18338	0.2881	0.2369	0.13809		3.45E-04	2.5E-05	0.00514	1.5E-07	0.00551		4.22E-04	3.1E-05	0.006336	8.64E-08	6.79E-03		0.000372	2.38E-05	0.012065	8.92E-08	0.012462
4220	473863.09	3856377.25	0.20633	0.29571	0.2565	0.15833		3.88E-04	2.6E-05	0.00557	1.8E-07	0.00598		4.75E-04	3.18E-05	0.00686	9.9E-08	7.37E-03		0.000419	2.45E-05	0.013064	1.02E-07	0.013507
4221	474363.09	3856377.25	0.20626	0.3058	0.25292	0.1364		3.88E-04	2.7E-05	0.00549	1.5E-07	0.00591		4.75E-04	3.29E-05	0.006765	8.53E-08	7.27E-03		0.000419	2.53E-05	0.012881	8.81E-08	0.013326
4222	474863.09	3856377.25	0.19302	0.28108	0.23636	0.12467		3.63E-04	2.5E-05	0.00513	1.4E-07	0.00552		4.44E-04	3.02E-05	0.006322	7.8E-08	6.80E-03		0.000392	2.32E-05	0.012038	8.05E-08	0.012453
4223	475363.09	3856377.25	0.15009	0.20764	0.18901	0.10298		2.82E-04	1.8E-05	0.0041	1.2E-07	0.0044		3.46E-04	2.23E-05	0.005055	6.44E-08	5.42E-03		0.000305	1.72E-05	0.009626	6.65E-08	0.009948
4224	475863.09	3856377.25	0.09573	0.13363	0.11928	0.07477		1.80E-04	1.2E-05	0.00259	8.4E-08	0.00278		2.20E-04	1.44E-05	0.00319	4.68E-08	3.43E-03		0.000194	1.11E-05	0.006075	4.83E-08	0.00628
4225	476363.09	3856377.25	0.0901	0.12786	0.11111	0.07373		1.69E-04	1.1E-05	0.00241	8.2E-08	0.00259		2.07E-04	1.37E-05	0.002972	4.61E-08	3.19E-03		0.000183	1.06E-05	0.005659	4.76E-08	0.005852
4226	476863.09	3856377.25	0.09559	0.13241	0.11239	0.07582		1.80E-04	1.2E-05	0.00244	8.5E-08	0.00263		2.20E-04	1.42E-05	0.003006	4.74E-08	3.24E-03		0.000194	1.1E-05	0.005724	4.9E-08	0.005929
4227	477363.09	3856377.25	0.10723	0.13069	0.12355	0.08027		2.02E-04	1.1E-05	0.00268	9E-08	0.0029		2.47E-04	1.4E-05	0.003304	5.02E-08	3.57E-03		0.000218	1.08E-05	0.006292	5.19E-08	0.006521
4228	477863.09	3856377.25	0.08178	0.10574	0.0973	0.07559		1.54E-04	9.3E-06	0.00211	8.4E-08	0.00228		1.88E-04	1.14E-05	0.002602	4.73E-08	2.80E-03		0.000166	8.74E-06	0.004956	4.88E-08	0.00513
4229	478363.09	3856377.25	0.07187	0.10056	0.08139	0.07529		1.35E-04	8.8E-06	0.00177	8.4E-08	0.00191		1.66E-04	1.08E-05	0.002177	4.71E-08	2.35E-03		0.000146	8.32E-06	0.004145	4.86E-08	0.0043
4230	478863.09	3856377.25	0.15622	0.24489	0.16097	0.10008		2.94E-04	2.1E-05	0.0035	1.1E-07	0.00381		3.60E-04	2.63E-05	0.004305	6.26E-08	4.69E-03		0.000317	2.03E-05	0.008198	6.46E-08	0.008536
4231	479363.09	3856377.25	0.21895	0.33692	0.24476	0.12033		4.11E-04	3E-05	0.00532	1.3E-07	0.00576		5.04E-04	3.62E-05	0.006546	7.53E-08	7.09E-03		0.000445	2.79E-05	0.012466	7.77E-08	0.012938
4232	479863.09	3856377.25	0.38949	0.62955	0.44231	0.18381		7.32E-04	5.5E-05	0.00961	2.1E-07	0.01039		8.97E-04	6.77E-05	0.01183	1.15E-07	1.28E-02		0.000791	5.21E-05	0.022527	1.19E-07	0.02337
4233	480363.09	3856377.25	0.58409	0.96267	0.62264	0.30392		1.10E-03	8.4E-05	0.01352	3.4E-07	0.0147		1.35E-03	0.000103	0.016653	1.9E-07	1.81E-02		0.001186	7.96E-05	0.031711	1.96E-07	0.032977
4234	480863.09	3856377.25	0.76883	1.31457	0.80817	0.46347		1.44E-03	0.00012	0.01755	5.2E-07	0.01911		1.77E-03	0.000141	0.021615	2.9E-07	2.35E-02		0.001561	0.000109	0.041161	2.99E-07	0.042831
4235	481363.09	3856377.25	0.92678	1.63478	0.97129	0.69597		1.74E-03	0.00014	0.02109	7.8E-07	0.02298		2.13E-03	0.000176	0.025978	4.35E-07	2.83E-02		0.001882	0.000135	0.049468	4.5E-07	0.051486
4236	481863.09	3856377.25	1.08807	1.68424	1.0671	1.06807		2.04E-03	0.00015	0.02317	1.2E-06	0.02537		2.51E-03	0.000181	0.02854	6.68E-07	3.12E-02		0.002209	0.000139	0.054348	6.9E-07	0.056697
4237	482363.09	3856377.25	1.2059	1.6524	1.26531	1.35697		2.27E-03	0.00014	0.02748	1.5E-06	0.02989		2.78E-03	0.000178	0.033842	8.49E-07	3.68E-02		0.002448	0.000137	0.064443	8.77E-07	0.067029
4238	482863.09	3856377.25	1.42071	2.09592	1.54244	1.686		2.67E-03	0.00018	0.0335	1.9E-06	0.03635		3.27E-03	0.000225	0.041254	1.05E-06	4.48E-02		0.002885	0.000173	0.078557	1.09E-06	0.081616
4239	483363.09	3856377.25	1.65046	2.21827	2.11619	2.1331		3.10E-03	0.00019	0.04596	2.4E-06	0.04925		3.80E-03	0.000238	0.056599	1.33E-06	6.06E-02		0.003351	0.000183	0.107779	1.38E-06	0.111315
4240	483863.09	3856377.25	1.94682	2.3018	2.55898	2.78173		3.66E-03	0.0002	0.05557	3.1E-06	0.05943		4.48E-03	0.000247	0.068442	1.74E-06	7.32E-02		0.003953	0.00019	0.13033	1.8E-06	0.134475
4241	484363.09	3856377.25	2.43754	2.00017	3.15317	3.68696		4.58E-03	0.00018	0.06847	4.1E-06	0.07323		5.61E-03	0.000215	0.084334	2.31E-06	9.02E-02		0.004949	0.000165	0.160593	2.38E-06	0.16571
4242	484863.09	3856377.25	3.12949	2.23028	4.35734	5.18943		5.88E-03	0.0002	0.09462	5.8E-06	0.10071		7.21E-03	0.00024	0.11654	3.25E-06	1.24E-01		0.006354	0.000184	0.221922	3.35E-06	0.228464
4243	485363.09	3856377.25	5.19006	2.75631	7.07773	6.40273		9.75E-03	0.00024	0.1537	7.2E-06	0.1637		1.20E-02	0.000296	0.189299	4E-06	2.02E-01		0.010538	0.000228	0.360473	4.14E-06	0.371243
4244	485863.09	3856377.25	10.3362	3.10771	19.48463	8.31496		1.94E-02	0.00027	0.42313	9.3E-06	0.44283		2.38E-02	0.000334	0.52113	5.2E-06	5.45E-01		0.020986	0.000257	0.992363	5.37E-06	1.013612
4245	486363.09	3856377.25	11.29757	3.83772	17.94478	4.22782		2.12E-02	0.00034	0.38969	4.7E-06	0.41126		2.60E-02	0.000413	0.479945	2.64E-06	5.06E-01		0.022938	0.000317	0.913938	2.73E-06	0.937196
4246	486863.09	3856377.25	5.75621	3.79918	7.80193	2.40059		1.08E-02	0.00033	0.16943	2.7E-06	0.18058		1.33E-02	0.000408	0.208668	1.5E-06	2.22E-01		0.011687	0.000314	0.397357	1.55E-06	0.40936
4247	487363.09	3856377.25	4.00167	2.88888	5.46995	2.00689		7.52E-03	0.00025	0.11879	2.2E-06	0.12656		9.22E-03	0.000311	0.146298	1.26E-06	1.56E-01		0.008125	0.000239	0.278588	1.3E-06	0.286953
4248	487863.09	3856377.25	3.10503	2.78823	4.15714	2.0147		5.83E-03	0.00024	0.09028	2.3E-06	0.09636		7.15E-03	0.0003	0.111186	1.26E-06	1.19E-01		0.006304	0.000231	0.211726	1.3E-06	0.218262
4249	488363.09	3856377.25	2.47064	2.73124	3.20109	1.94157		4.64E-03	0.00024	0.06951	2.2E-06	0.0744		5.69E-03	0.000294	0.085615	1.21E-06	9.16E-02		0.005016	0.000226	0.163033	1.25E-06	0.168277
4250	488863.09	3856377.25	2.05769	2.71784	2.54661	1.82		3.87E-03	0.00024	0.0553	2E-06	0.05941		4.74E-03	0.000292	0.068111	1.14E-06	7.31E-02		0.004178	0.000225	0.1297	1.18E-06	0.134104
4251	489363.09	3856377.25	1.75049	2.31345	2.1805	1.61473		3.29E-03	0.0002	0.04735	1.8E-06	0.05085		4.03E-03	0.000249	0.058319	1.01E-06	6.26E-02		0.003554	0.000191	0.111054	1.04E-06	0.114801
4252	489863.09	3856377.25	1.48973	2.1954	1.82477	1.48486		2.80E-03	0.00019	0.03963	1.7E-06	0.04262		3.43E-03	0.000236	0.048805	9.29E-07	5.25E-02		0.003025	0.000182	0.092937	9.59E-07	0.096144
4253	490363.09	3856377.25	1.28049	1.72755	1.55335	1.29179		2.41E-03	0.00015	0.03373	1.4E-06	0.03629		2.95E-03	0.000186	0.041545	8.08E-07	4.47E-02		0.0026	0.000143	0.079113	8.34E-07	0.081857
4254	490863.09	3856377.25	1.12788	1.64791	1.39703	1.06221		2.12E-03	0.00014	0.03034	1.2E-06	0.0326		2.60E-03	0.000177	0.037365	6.64E-07	4.01E-02		0.00229	0.000136	0.071152	6.86E-07	0.073579
4255	491363.09	3856377.25	1.00488	1.71222	1.26407	0.92977		1.89E-03	0.00015	0.02745	1E-06	0.02949		2.31E-03	0.000184	0.033808	5.82E-07	3.63E-02		0.00204	0.000142	0.06438	6.01E-07	0.066562
4256	491863.09	3856377.25	0.91769	1.6594	1.14423	0.78787		1.72E-03	0.00015	0.02485	8.8E-07	0.02672		2.11E-03	0.000178	0.030603	4.93E-07	3.29E-02		0.001863	0.000137	0.058276	5.09E-07	0.060277
4257	492363.09	3856377.25	0.82672	1.44919	1.02243	0.63113		1.55E-03	0.00013	0.0222	7.1E-07	0.02388		1.90E-03	0.000156	0.027346	3.95E-07	2.94E-02		0.001679	0.00012	0.052073	4.08E-07	0.053872
4258	492863.09	3856377.25	0.66952	1.02671	0.80867	0.43255		1.26E-03	9E-05	0.01756	4.8E-07	0.01891		1.54E-03	0.00011	0.021628	2.71E-07	2.33E-02		0.001359	8.49E-05	0.041186	2.79E-07	0.042631
4259	493363.09	3856377.25	0.31656	0.45682	0.39062	0.25102		5.95E-04	4E-05	0.00848	2.8E-07	0.00912		7.29E-04	4.91E-05	0.010447	1.57E-07	1.12E-02		0.000643	3.78E-05	0.019894	1.62E-07	0.020575
4260	493863.09	3856377.25	0.22497	0.30542	0.2761	0.19903		4.23E-04	2.7E-05	0.006	2.2E-07	0.00645		5.18E-04	3.28E-05	0.007384	1.24E-07	7.94E-03		0.000457	2.53E-05	0.014062	1.29E-07	0.014544
4261	494363.09	3856377.25	0.14715	0.20612	0.18575	0.15303		2.77E-04	1.8E-05	0.00403	1.7E-07	0.00433		3.39E-04	2.22E-05	0.004968	9.57E-08	5.33E-03		0.000299	1.7E-05	0.00946	9.89E-08	0.009776
4262	494863.09	3856377.25	0.10717	0.14627	0.13537	0.12573		2.01E-04	1.3E-05	0.00294	1.4E-07	0.00315		2.47E-04	1.57E-05	0.003621	7.86E-08	3.88E-03		0.000218	1.21E-05	0.006894	8.12E-08	0.007124
4263	495363.09	3856377.25	0.08691	0.11475	0.11172	0.10264		1.63E-04	1E-05	0.00243	1.1E-07	0.0026		2.00E-04	1.23E-05	0.002988	6.42E-08	3.20E-03		0.000176	9.49E-06	0.00569	6.63E-08	0.005876
4264	495863.09	3856377.25	0.08316	0.10996	0.10637	0.09725		1.56E-04	9.6E-06	0.00231	1.1E-07	0.00248		1.92E-04	1.18E-05	0.002845	6.08E-08	3.05E-03		0.000169	9.09E-06	0.005417	6.28E-08	0.005595
4265	496363.09	3856377.25	0.08289	0.10607	0.10727	0.0957		1.56E-04	9.3E-06	0.00233	1.1E-07	0.00249		1.91E-04	1.14E-05	0.002869	5.99E-08	3.07E-03		0.000168	8.77E-06	0.005463	6.18E-08	0.00564
4266	496863.09	3856377.25	0.08828	0.10987	0.11127	0.10108		1.66E-04	9.6E-06	0.00242	1.1E-07	0.00259		2.03E-04	1.18E-05	0.002976	6.32E-08	3.19E-03		0.000179	9.09E-06	0.005667	6.53E-08	0.005855

4267	497363.09	3856377.25	0.09243	0.11449	0.11853	0.10249	1.74E-04	1E-05	0.00257	1.1E-07	0.00276	2.13E-04	1.23E-05	0.00317	6.41E-08	3.40E-03	0.000188	9.47E-06	0.006037	6.62E-08	0.006234
4268	497863.09	3856377.25	0.1012	0.12374	0.12639	0.10917	1.90E-04	1.1E-05	0.00274	1.2E-07	0.00295	2.33E-04	1.33E-05	0.00338	6.83E-08	3.63E-03	0.000205	1.02E-05	0.006437	7.05E-08	0.006653
4269	498363.09	3856377.25	0.11513	0.14844	0.14673	0.11869	2.16E-04	1.3E-05	0.00319	1.3E-07	0.00342	2.65E-04	1.6E-05	0.003924	7.42E-08	4.21E-03	0.000234	1.23E-05	0.007473	7.67E-08	0.007719
4270	471363.09	3856877.25	0.15395	0.26174	0.19234	0.11868	2.89E-04	2.3E-05	0.00418	1.3E-07	0.00449	3.55E-04	2.81E-05	0.005144	7.42E-08	5.53E-03	0.000313	2.16E-05	0.009796	7.67E-08	0.01013
4271	471863.09	3856877.25	0.1569	0.25648	0.20402	0.11849	2.95E-04	2.3E-05	0.00443	1.3E-07	0.00475	3.61E-04	2.76E-05	0.005457	7.41E-08	5.85E-03	0.000319	2.12E-05	0.010391	7.65E-08	0.010731
4272	472363.09	3856877.25	0.16535	0.23913	0.21389	0.1233	3.11E-04	2.1E-05	0.00464	1.4E-07	0.00498	3.81E-04	2.57E-05	0.005721	7.71E-08	6.13E-03	0.000336	1.98E-05	0.010894	7.96E-08	0.011249
4273	472863.09	3856877.25	0.1731	0.29786	0.223	0.13223	3.25E-04	2.6E-05	0.00484	1.5E-07	0.00519	3.99E-04	3.2E-05	0.005964	8.27E-08	6.40E-03	0.000351	2.46E-05	0.011358	8.54E-08	0.011734
4274	473363.09	3856877.25	0.18646	0.34147	0.24148	0.15251	3.50E-04	3E-05	0.00524	1.7E-07	0.00562	4.29E-04	3.67E-05	0.006459	9.54E-08	6.92E-03	0.000379	2.82E-05	0.012299	9.85E-08	0.012706
4275	473863.09	3856877.25	0.19945	0.35232	0.25318	0.16316	3.75E-04	3.1E-05	0.0055	1.8E-07	0.0059	4.59E-04	3.79E-05	0.006771	1.02E-07	7.27E-03	0.000405	2.91E-05	0.012895	1.05E-07	0.013329
4276	474363.09	3856877.25	0.19281	0.36852	0.25193	0.14708	3.62E-04	3.2E-05	0.00547	1.6E-07	0.00587	4.44E-04	3.96E-05	0.006738	9.2E-08	7.22E-03	0.000391	3.05E-05	0.012831	9.5E-08	0.013253
4277	474863.09	3856877.25	0.19648	0.3319	0.23654	0.12224	3.69E-04	2.9E-05	0.00514	1.4E-07	0.00554	4.52E-04	3.57E-05	0.006326	7.65E-08	6.81E-03	0.000399	2.74E-05	0.012047	7.9E-08	0.012474
4278	475363.09	3856877.25	0.16709	0.26721	0.19502	0.10418	3.14E-04	2.3E-05	0.00424	1.2E-07	0.00457	3.85E-04	2.87E-05	0.005216	6.52E-08	5.63E-03	0.000339	2.21E-05	0.009932	6.73E-08	0.010294
4279	475863.09	3856877.25	0.17219	0.25892	0.18912	0.10578	3.24E-04	2.3E-05	0.00411	1.2E-07	0.00445	3.97E-04	2.78E-05	0.005058	6.62E-08	5.48E-03	0.00035	2.14E-05	0.009632	6.83E-08	0.010003
4280	476363.09	3856877.25	0.14986	0.18975	0.17226	0.09554	2.82E-04	1.7E-05	0.00374	1.1E-07	0.00404	3.45E-04	2.04E-05	0.004607	5.98E-08	4.97E-03	0.000304	1.57E-05	0.008773	6.17E-08	0.009093
4281	476863.09	3856877.25	0.14371	0.1906	0.15005	0.08973	2.70E-04	1.7E-05	0.00326	1E-07	0.00355	3.31E-04	2.05E-05	0.004013	5.61E-08	4.36E-03	0.000292	1.58E-05	0.007642	5.8E-08	0.00795
4282	477363.09	3856877.25	0.12121	0.15674	0.14752	0.08047	2.28E-04	1.4E-05	0.0032	9E-08	0.00345	2.79E-04	1.68E-05	0.003946	5.03E-08	4.24E-03	0.000246	1.3E-05	0.007513	5.2E-08	0.007772
4283	477863.09	3856877.25	0.0739	0.11404	0.09567	0.06672	1.39E-04	1E-05	0.00208	7.5E-08	0.00223	1.70E-04	1.23E-05	0.002559	4.17E-08	2.74E-03	0.00015	9.43E-06	0.004873	4.31E-08	0.005032
4284	478363.09	3856877.25	0.06631	0.09294	0.08056	0.06522	1.25E-04	8.2E-06	0.00175	7.3E-08	0.00188	1.53E-04	9.99E-06	0.002155	4.08E-08	2.32E-03	0.000135	7.69E-06	0.004103	4.21E-08	0.004245
4285	478863.09	3856877.25	0.07927	0.11781	0.10071	0.0768	1.49E-04	1E-05	0.00219	8.6E-08	0.00235	1.83E-04	1.27E-05	0.002694	4.8E-08	2.89E-03	0.000161	9.74E-06	0.005129	4.96E-08	0.0053
4286	479363.09	3856877.25	0.1167	0.16662	0.1436	0.09167	2.19E-04	1.5E-05	0.00312	1E-07	0.00335	2.69E-04	1.79E-05	0.003841	5.73E-08	4.13E-03	0.000237	1.38E-05	0.007314	5.92E-08	0.007564
4287	479863.09	3856877.25	0.36797	0.54448	0.41821	0.19347	6.91E-04	4.8E-05	0.00908	2.2E-07	0.00982	8.47E-04	5.85E-05	0.011185	1.21E-07	1.21E-02	0.000747	4.5E-05	0.0213	1.25E-07	0.022092
4288	480363.09	3856877.25	0.5735	0.9091	0.6778	0.30944	1.08E-03	8E-05	0.01472	3.5E-07	0.01588	1.32E-03	9.77E-05	0.018128	1.94E-07	1.95E-02	0.001164	7.52E-05	0.034521	2E-07	0.035761
4289	480863.09	3856877.25	0.75522	1.21196	0.81779	0.49373	1.42E-03	0.00011	0.01776	5.5E-07	0.01929	1.74E-03	0.00013	0.021872	3.09E-07	2.37E-02	0.001533	0.0001	0.041651	3.19E-07	0.043284
4290	481363.09	3856877.25	0.87821	1.29107	0.9308	0.69111	1.65E-03	0.00011	0.02021	7.7E-07	0.02198	2.02E-03	0.000139	0.024895	4.32E-07	2.71E-02	0.001783	0.000107	0.047406	4.46E-07	0.049296
4291	481863.09	3856877.25	1.00335	1.49006	1.15601	0.86182	1.89E-03	0.00013	0.0251	9.6E-07	0.02712	2.31E-03	0.00016	0.030918	5.39E-07	3.34E-02	0.002037	0.000123	0.058876	5.57E-07	0.061037
4292	482363.09	3856877.25	1.11015	1.61576	1.24348	1.24882	2.09E-03	0.00014	0.027	1.4E-06	0.02923	2.56E-03	0.000174	0.033258	7.81E-07	3.60E-02	0.002254	0.000134	0.063331	8.07E-07	0.06572
4293	482863.09	3856877.25	1.26908	1.69943	1.49754	1.51825	2.38E-03	0.00015	0.03252	1.7E-06	0.03506	2.92E-03	0.000183	0.040053	9.5E-07	4.32E-02	0.002577	0.000141	0.076271	9.81E-07	0.078989
4294	483363.09	3856877.25	1.42791	1.77636	1.74305	1.89537	2.68E-03	0.00016	0.03785	2.1E-06	0.04069	3.29E-03	0.000191	0.046619	1.19E-06	5.01E-02	0.002899	0.000147	0.088775	1.22E-06	0.091822
4295	483863.09	3856877.25	1.64708	1.61327	1.97019	2.34297	3.10E-03	0.00014	0.04278	2.6E-06	0.04602	3.79E-03	0.000173	0.052694	1.47E-06	5.67E-02	0.003344	0.000133	0.100343	1.51E-06	0.103822
4296	484363.09	3856877.25	1.91431	1.83148	2.53089	2.89412	3.60E-03	0.00016	0.05496	3.2E-06	0.05872	4.41E-03	0.000197	0.06769	1.81E-06	7.23E-02	0.003887	0.000151	0.1289	1.87E-06	0.13294
4297	484863.09	3856877.25	2.26141	2.14573	2.98253	3.87488	4.25E-03	0.00019	0.06477	4.3E-06	0.06921	5.21E-03	0.000231	0.07977	2.42E-06	8.52E-02	0.004592	0.000177	0.151902	2.5E-06	0.156673
4298	485363.09	3856877.25	2.85425	2.5915	3.7992	4.88804	5.36E-03	0.00023	0.0825	5.5E-06	0.0881	6.57E-03	0.000279	0.101612	3.06E-06	1.08E-01	0.005795	0.000214	0.193495	3.16E-06	0.199508
4299	485863.09	3856877.25	4.402	3.73654	5.99318	6.42161	8.27E-03	0.00033	0.13015	7.2E-06	0.13876	1.01E-02	0.000402	0.160292	4.02E-06	1.71E-01	0.008938	0.000309	0.305236	4.15E-06	0.314487
4300	486363.09	3856877.25	9.90641	6.24743	19.12295	4.47847	1.86E-02	0.00055	0.41527	5E-06	0.43444	2.28E-02	0.000672	0.511456	2.8E-06	5.35E-01	0.020114	0.000517	0.973943	2.89E-06	0.994576
4301	486863.09	3856877.25	11.92504	11.23328	24.37013	6.29797	2.24E-02	0.00099	0.52922	7E-06	0.55262	2.75E-02	0.001208	0.651796	3.94E-06	6.80E-01	0.024212	0.000929	1.241185	4.07E-06	1.26633
4302	487363.09	3856877.25	5.75569	6.94815	8.19988	3.72258	1.08E-02	0.00061	0.17807	4.2E-06	0.1895	1.33E-02	0.000747	0.219311	2.33E-06	2.33E-01	0.011686	0.000575	0.417625	2.4E-06	0.429888
4303	487863.09	3856877.25	3.67319	6.38886	5.08577	3.19359	6.90E-03	0.00056	0.11044	3.6E-06	0.11791	8.46E-03	0.000687	0.136022	2E-06	1.45E-01	0.007458	0.000528	0.259021	2.06E-06	0.26701
4304	488363.09	3856877.25	2.75632	5.21915	3.61774	3.08794	5.18E-03	0.00046	0.07856	3.5E-06	0.0842	6.35E-03	0.000561	0.096759	1.93E-06	1.04E-01	0.005596	0.000432	0.184254	1.99E-06	0.190284
4305	488863.09	3856877.25	2.24219	4.07383	2.96186	2.61539	4.21E-03	0.00036	0.06432	2.9E-06	0.06889	5.16E-03	0.000438	0.079217	1.64E-06	8.48E-02	0.004552	0.000337	0.150849	1.69E-06	0.15574
4306	489363.09	3856877.25	1.85287	3.39786	2.3992	2.32521	3.48E-03	0.0003	0.0521	2.6E-06	0.05588	4.27E-03	0.000365	0.064168	1.45E-06	6.88E-02	0.003762	0.000281	0.122193	1.5E-06	0.126237
4307	489863.09	3856877.25	1.5978	2.9009	2.07388	1.93678	3.00E-03	0.00025	0.04504	2.2E-06	0.0483	3.68E-03	0.000312	0.055467	1.21E-06	5.95E-02	0.003244	0.00024	0.105624	1.25E-06	0.109109
4308	490363.09	3856877.25	1.38498	2.47503	1.71161	1.59175	2.60E-03	0.00022	0.03717	1.8E-06	0.03999	3.19E-03	0.000266	0.045778	9.96E-07	4.92E-02	0.002812	0.000205	0.087173	1.03E-06	0.090191
4309	490863.09	3856877.25	1.25218	2.02244	1.54879	1.35085	2.35E-03	0.00018	0.03363	1.5E-06	0.03617	2.88E-03	0.000217	0.041423	8.45E-07	4.45E-02	0.002542	0.000167	0.078881	8.73E-07	0.081591
4310	491363.09	3856877.25	1.13805	1.76871	1.38847	1.14428	2.14E-03	0.00016	0.03015	1.3E-06	0.03245	2.62E-03	0.00019	0.037136	7.16E-07	3.99E-02	0.002311	0.000146	0.070716	7.39E-07	0.073173
4311	491863.09	3856877.25	1.03414	1.5674	1.23783	0.95672	1.94E-03	0.00014	0.02688	1.1E-06	0.02896	2.38E-03	0.000168	0.033107	5.98E-07	3.57E-02	0.0021	0.00013	0.063043	6.18E-07	0.065273
4312	492363.09	3856877.25	0.80694	1.31398	0.9664	0.56534	1.52E-03	0.00012	0.02099	6.3E-07	0.02262	1.86E-03	0.000141	0.025847	3.54E-07	2.78E-02	0.001638	0.000109	0.049219	3.65E-07	0.050967
4313	492863.09	3856877.25	0.54778	0.82961	0.68792	0.4016	1.03E-03	7.3E-05	0.01494	4.5E-07	0.01604	1.26E-03	8.92E-05	0.018399	2.51E-07	1.97E-02	0.001112	6.86E-05	0.035036	2.59E-07	0.036217
4314	493363.09	3856877.25	0.3313	0.46239	0.40506	0.27944	6.23E-04	4.1E-05	0.0088	3.1E-07	0.00946	7.63E-04	4.97E-05	0.010834	1.75E-07	1.16E-02	0.000673	3.82E-05	0.02063	1.81E-07	0.021341
4315	493863.09	3856877.25	0.19596	0.27132	0.25029	0.18737	3.68E-04	2.4E-05	0.00544	2.1E-07	0.00583	4.51E-04	2.92E-05	0.006694	1.17E-07	7.17E-03	0.000398	2.24E-05	0.012747	1.21E-07	0.013168
4316	494363.09	3856877.25	0.13325	0.19209	0.16522	0.13979	2.50E-04	1.7E-05	0.00359	1.6E-07	0.00386	3.07E-04	2.07E-05	0.004419	8.74E-08	4.75E-03	0.000271	1.59E-05	0.008415	9.03E-08	0.008701
4317	494863.09	3856877.25	0.11224	0.15142	0.14062	0.12255	2.11E-04	1.3E-05	0.00305	1.4E-07	0.00328	2.58E-04	1.63E-05	0.003761	7.66E-08	4.04E-03	0.000228	1.25E-05	0.007162	7.92E-08	0.007402
4318	495363.09	3856877.25	0.09742	0.13244	0.12136	0.10928	1.83E-04	1.2E-05	0.00264	1.2E-07	0.00283	2.24E-04	1.42E-05	0.003246	6.83E-08	3.48E-03	0.000198	1.1E-05	0.006181	7.06E-08	0.00639
4319	495863.09	3856877.25	0.0954	0.12517	0.11999	0.10472	1.79E-04	1.1E-05	0.00261	1.2E-07	0.0028	2.20E-04	1.35E-05	0.003209	6.55E-08	3.44E-03	0.000194	1.04E-05	0.006111	6.76E-08	0.006315
4320	496363.09	3856877.25	0.09521	0.12776	0.1199	0.10385	1.79E-04	1.1E-05	0.0026	1.2E-07	0.00279	2.19E-04	1.37E-05	0.003207	6.5E-08	3.44E-03	0.000193	1.06E-05	0.006107	6.71E-08	0.006311
4321	496863.09	3856877.25	0.09692	0.13354	0.12162	0.10604	1.82E-04	1.2E-05	0.00264	1.2E-07	0.00284	2.23E-04	1.44E-05	0.003253	6.63E-08	3.49E-03	0.000197	1.1E-05	0.006194	6.85E-08	0.006402
4322	497363.09	3856877.25	0.10372	0.14598	0.13097	0.1088	1.95E-04	1.3E-05	0.00284	1.2E-07	0.00305	2.39E-04	1.57E-05	0.003503	6.8E-08	3.76E-03	0.000211	1.21E-05	0.00667	7.03E-08	0.006893
4323	497863.09	3856877.25	0.12096	0.17185	0.14802	0.11959	2.27E-04	1.5E-05	0.00321	1.3E-07	0.00346	2.79E-04	1.85E-05	0.003959	7.48E-08	4.26E-03	0.000246	1.42E-05	0.007539	7.73E-08	0.007799
4324	498363.09	3856877.25	0.14945	0.20783	0.17128	0.13319	2.81E-04	1.8E-05	0.00372	1.5E-07	0.00402	3.44E-04	2.23E-05	0.004581	8.33E-08	4.95E-03	0.000303	1.72E-05	0.008723	8.6E-08	0.009044
4325	471363.09	3857377.25	0.15409	0.27498	0.16776	0.14446	2.90E-04	2.4E-05	0.00364	1.6E-07	0.00396	3.55E-04	2.96E-05	0.004487	9.04E-08	4.87E-03	0.000313	2.27E-05	0.008544	9.33E-08	0.00888
4326	471863.09	3857377.25	0.15339	0.26977	0.17519	0.14043	2.88E-04	2.4E-05	0.0038	1.6E-07	0.00412	3.53E-04	2.9E-05	0.004686	8.78E-08	5.07E-03	0.000311	2.23E-05	0.008923	9.07E-08	0.009256
4327	472363.09	3857377.25	0.16399	0.26137	0.18414	0.14309	3.08E-04	2.3E-05	0.004	1.6E-07	0.00433	3.78E-04	2.81E-05	0.004925	8.95E-08	5.33E-03	0.000333	2.16E-05	0.009378	9.24E-08	0.009733

4328	472863.09	3857377.25	0.17389	0.33208	0.20422	0.14884	3.27E-04	2.9E-05	0.00443	1.7E-07	0.00479	4.00E-04	3.57E-05	0.005462	9.31E-08	5.90E-03	0.000353	2.75E-05	0.010401	9.61E-08	0.010782
4329	473363.09	3857377.25	0.1834	0.33138	0.21468	0.15914	3.45E-04	2.9E-05	0.00466	1.8E-07	0.00504	4.22E-04	3.56E-05	0.005742	9.95E-08	6.20E-03	0.000372	2.74E-05	0.010934	1.03E-07	0.011334
4330	473863.09	3857377.25	0.19686	0.32454	0.22616	0.18396	3.70E-04	2.8E-05	0.00491	2.1E-07	0.00531	4.53E-04	3.49E-05	0.006049	1.15E-07	6.54E-03	0.0004	2.68E-05	0.011518	1.19E-07	0.011945
4331	474363.09	3857377.25	0.20541	0.33118	0.23632	0.15329	3.86E-04	2.9E-05	0.00513	1.7E-07	0.00555	4.73E-04	3.56E-05	0.006321	9.59E-08	6.83E-03	0.000417	2.74E-05	0.012036	9.9E-08	0.01248
4332	474863.09	3857377.25	0.16672	0.27538	0.18135	0.10525	3.13E-04	2.4E-05	0.00394	1.2E-07	0.00428	3.84E-04	2.96E-05	0.00485	6.58E-08	5.26E-03	0.000339	2.28E-05	0.009236	6.8E-08	0.009598
4333	475363.09	3857377.25	0.11035	0.1553	0.12973	0.08307	2.07E-04	1.4E-05	0.00282	9.3E-08	0.00304	2.54E-04	1.67E-05	0.00347	5.2E-08	3.74E-03	0.000224	1.28E-05	0.006607	5.37E-08	0.006844
4334	475863.09	3857377.25	0.10231	0.13805	0.1196	0.07404	1.92E-04	1.2E-05	0.0026	8.3E-08	0.0028	2.36E-04	1.48E-05	0.003199	4.63E-08	3.45E-03	0.000208	1.14E-05	0.006091	4.78E-08	0.00631
4335	476363.09	3857377.25	0.13773	0.20246	0.15663	0.09625	2.59E-04	1.8E-05	0.0034	1.1E-07	0.00368	3.17E-04	2.18E-05	0.004189	6.02E-08	4.53E-03	0.00028	1.67E-05	0.007977	6.22E-08	0.008274
4336	476863.09	3857377.25	0.14303	0.21606	0.17592	0.10412	2.69E-04	1.9E-05	0.00382	1.2E-07	0.00411	3.29E-04	2.32E-05	0.004705	6.51E-08	5.06E-03	0.00029	1.79E-05	0.00896	6.73E-08	0.009268
4337	477363.09	3857377.25	0.11939	0.16245	0.15267	0.0902	2.24E-04	1.4E-05	0.00332	1E-07	0.00355	2.75E-04	1.75E-05	0.004083	5.64E-08	4.38E-03	0.000242	1.34E-05	0.007776	5.83E-08	0.008031
4338	477863.09	3857377.25	0.08495	0.13137	0.10294	0.06836	1.60E-04	1.2E-05	0.00224	7.6E-08	0.00241	1.96E-04	1.41E-05	0.002753	4.28E-08	2.96E-03	0.000172	1.09E-05	0.005243	4.42E-08	0.005426
4339	478363.09	3857377.25	0.06013	0.09662	0.07898	0.06305	1.13E-04	8.5E-06	0.00172	7E-08	0.00184	1.38E-04	1.04E-05	0.002112	3.94E-08	2.26E-03	0.000122	7.99E-06	0.004022	4.07E-08	0.004153
4340	478863.09	3857377.25	0.05554	0.09824	0.06724	0.06022	1.04E-04	8.6E-06	0.00146	6.7E-08	0.00157	1.28E-04	1.06E-05	0.001798	3.77E-08	1.94E-03	0.000113	8.12E-06	0.003425	3.89E-08	0.003546
4341	479363.09	3857377.25	0.08481	0.14704	0.10817	0.07546	1.59E-04	1.3E-05	0.00235	8.4E-08	0.00252	1.95E-04	1.58E-05	0.002893	4.72E-08	3.10E-03	0.000172	1.22E-05	0.005509	4.87E-08	0.005694
4342	479863.09	3857377.25	0.29978	0.45834	0.36159	0.16368	5.63E-04	4E-05	0.00785	1.8E-07	0.00846	6.90E-04	4.93E-05	0.009671	1.02E-07	1.04E-02	0.000609	3.79E-05	0.018416	1.06E-07	0.019063
4343	480363.09	3857377.25	0.22574	0.29934	0.28081	0.1344	4.24E-04	2.6E-05	0.0061	1.5E-07	0.00655	5.20E-04	3.22E-05	0.00751	8.41E-08	8.06E-03	0.000458	2.48E-05	0.014302	8.68E-08	0.014785
4344	480863.09	3857377.25	0.73263	1.02423	0.80417	0.49853	1.38E-03	9E-05	0.01746	5.6E-07	0.01893	1.69E-03	0.00011	0.021508	3.12E-07	2.33E-02	0.001488	8.47E-05	0.040957	3.22E-07	0.042529
4345	481363.09	3857377.25	0.80131	1.18442	0.94961	0.5233	1.51E-03	0.0001	0.02062	5.8E-07	0.02223	1.85E-03	0.000127	0.025398	3.27E-07	2.74E-02	0.001627	9.8E-05	0.048364	3.38E-07	0.050089
4346	481863.09	3857377.25	0.90939	1.24491	1.12397	0.76438	1.71E-03	0.00011	0.02441	8.5E-07	0.02623	2.09E-03	0.000134	0.030061	4.78E-07	3.23E-02	0.001846	0.000103	0.057244	4.94E-07	0.059194
4347	482363.09	3857377.25	1.0221	1.43886	1.18302	1.16104	1.92E-03	0.00013	0.02569	1.3E-06	0.02774	2.35E-03	0.000155	0.031641	7.26E-07	3.41E-02	0.002075	0.000119	0.060252	7.5E-07	0.062447
4348	482863.09	3857377.25	1.05822	1.37387	1.26584	1.41279	1.99E-03	0.00012	0.02749	1.6E-06	0.0296	2.44E-03	0.000148	0.033856	8.84E-07	3.64E-02	0.002149	0.000114	0.06447	9.13E-07	0.066733
4349	483363.09	3857377.25	1.16736	1.67791	1.38079	1.71646	2.19E-03	0.00015	0.02999	1.9E-06	0.03233	2.69E-03	0.00018	0.03693	1.07E-06	3.98E-02	0.00237	0.000139	0.070324	1.11E-06	0.072834
4350	483863.09	3857377.25	1.32064	1.58107	1.57971	2.00182	2.48E-03	0.00014	0.0343	2.2E-06	0.03693	3.04E-03	0.00017	0.04225	1.25E-06	4.55E-02	0.002681	0.000131	0.080456	1.29E-06	0.083269
4351	484363.09	3857377.25	1.51884	1.7252	1.77303	2.40735	2.85E-03	0.00015	0.0385	2.7E-06	0.04151	3.50E-03	0.000185	0.047421	1.51E-06	5.11E-02	0.003084	0.000143	0.090301	1.56E-06	0.093529
4352	484863.09	3857377.25	1.72026	2.02056	2.1174	2.75534	3.23E-03	0.00018	0.04598	3.1E-06	0.04939	3.96E-03	0.000217	0.056631	1.72E-06	6.08E-02	0.003493	0.000167	0.10784	1.78E-06	0.111502
4353	485363.09	3857377.25	1.97834	2.66282	2.46517	3.33544	3.72E-03	0.00023	0.05353	3.7E-06	0.05749	4.56E-03	0.000286	0.065933	2.09E-06	7.08E-02	0.004017	0.00022	0.125553	2.15E-06	0.129792
4354	485863.09	3857377.25	2.42601	3.8859	3.02214	4.26047	4.56E-03	0.00034	0.06563	4.8E-06	0.07053	5.59E-03	0.000418	0.080829	2.66E-06	8.68E-02	0.004926	0.000321	0.153919	2.75E-06	0.159169
4355	486363.09	3857377.25	3.59962	7.6622	4.44993	5.8656	6.76E-03	0.00067	0.09663	6.6E-06	0.10408	8.29E-03	0.000824	0.119016	3.67E-06	1.28E-01	0.007309	0.000634	0.226637	3.79E-06	0.234584
4356	486863.09	3857377.25	8.00292	33.83123	6.90085	4.51427	1.50E-02	0.00297	0.14986	5E-06	0.16787	1.84E-02	0.003637	0.184568	2.82E-06	2.07E-01	0.016249	0.002798	0.351464	2.92E-06	0.370514
4357	487363.09	3857377.25	7.3431	49.94233	8.82476	9.14876	1.38E-02	0.00438	0.19164	1E-05	0.20983	1.69E-02	0.005369	0.236024	5.72E-06	2.58E-01	0.014909	0.00413	0.44945	5.91E-06	0.468495
4358	487863.09	3857377.25	3.89543	17.23103	4.92823	5.71466	7.32E-03	0.00151	0.10702	6.4E-06	0.11586	8.97E-03	0.001852	0.131809	3.57E-06	1.43E-01	0.007909	0.001425	0.250998	3.69E-06	0.260335
4359	488363.09	3857377.25	2.74929	8.62835	3.24446	4.44513	5.17E-03	0.00076	0.07046	5E-06	0.07639	6.33E-03	0.000928	0.086775	2.78E-06	9.40E-02	0.005582	0.000714	0.165242	2.87E-06	0.171541
4360	488863.09	3857377.25	2.16755	5.50655	2.49507	3.78854	4.07E-03	0.00048	0.05418	4.2E-06	0.05874	4.99E-03	0.000592	0.066732	2.37E-06	7.23E-02	0.004401	0.000455	0.127075	2.45E-06	0.131934
4361	489363.09	3857377.25	1.8279	4.01968	2.06194	3.02896	3.43E-03	0.00035	0.04478	3.4E-06	0.04857	4.21E-03	0.000432	0.055148	1.89E-06	5.98E-02	0.003711	0.000332	0.105016	1.96E-06	0.109061
4362	489863.09	3857377.25	1.58905	3.03809	1.80496	2.42356	2.99E-03	0.00027	0.0392	2.7E-06	0.04245	3.66E-03	0.000327	0.048275	1.52E-06	5.23E-02	0.003226	0.000251	0.091928	1.57E-06	0.095407
4363	490363.09	3857377.25	1.35983	2.50344	1.55876	1.84888	2.56E-03	0.00022	0.03385	2.1E-06	0.03663	3.13E-03	0.000269	0.04169	1.16E-06	4.51E-02	0.002761	0.000207	0.079389	1.19E-06	0.082358
4364	490863.09	3857377.25	1.21012	2.13273	1.3743	1.61477	2.27E-03	0.00019	0.02984	1.8E-06	0.03231	2.79E-03	0.000229	0.036757	1.01E-06	3.98E-02	0.002457	0.000176	0.069994	1.04E-06	0.072628
4365	491363.09	3857377.25	1.09892	1.77469	1.27043	1.40697	2.07E-03	0.00016	0.02759	1.6E-06	0.02981	2.53E-03	0.000191	0.033979	8.8E-07	3.67E-02	0.002231	0.000147	0.064704	9.09E-07	0.067083
4366	491863.09	3857377.25	0.98362	1.60599	1.19333	1.04856	1.85E-03	0.00014	0.02591	1.2E-06	0.0279	2.27E-03	0.000173	0.031916	6.56E-07	3.44E-02	0.001997	0.000133	0.060777	6.77E-07	0.062908
4367	492363.09	3857377.25	0.70592	1.14276	0.87883	0.53646	1.33E-03	0.0001	0.01908	6E-07	0.02051	1.63E-03	0.000123	0.023505	3.36E-07	2.53E-02	0.001433	9.45E-05	0.044759	3.47E-07	0.046287
4368	492863.09	3857377.25	0.38218	0.60461	0.45849	0.33044	7.18E-04	5.3E-05	0.00996	3.7E-07	0.01073	8.80E-04	6.5E-05	0.012263	2.07E-07	1.32E-02	0.000776	5E-05	0.023351	2.13E-07	0.024177
4369	493363.09	3857377.25	0.22578	0.34905	0.27307	0.2321	4.24E-04	3.1E-05	0.00593	2.6E-07	0.00639	5.20E-04	3.75E-05	0.007303	1.45E-07	7.86E-03	0.000458	2.89E-05	0.013908	1.5E-07	0.014395
4370	493863.09	3857377.25	0.18011	0.27432	0.22049	0.1997	3.38E-04	2.4E-05	0.00479	2.2E-07	0.00515	4.15E-04	2.95E-05	0.005897	1.25E-07	6.34E-03	0.000366	2.27E-05	0.01123	1.29E-07	0.011618
4371	494363.09	3857377.25	0.14329	0.22493	0.17568	0.15595	2.69E-04	2E-05	0.00382	1.7E-07	0.0041	3.30E-04	2.42E-05	0.004699	9.75E-08	5.05E-03	0.000291	1.86E-05	0.008947	1.01E-07	0.009257
4372	494863.09	3857377.25	0.12746	0.19883	0.15334	0.14091	2.40E-04	1.7E-05	0.00333	1.6E-07	0.00359	2.94E-04	2.14E-05	0.004101	8.81E-08	4.42E-03	0.000259	1.64E-05	0.00781	9.1E-08	0.008085
4373	495363.09	3857377.25	0.11731	0.16755	0.13904	0.12583	2.20E-04	1.5E-05	0.00302	1.4E-07	0.00325	2.70E-04	1.8E-05	0.003719	7.87E-08	4.01E-03	0.000238	1.39E-05	0.007081	8.13E-08	0.007334
4374	495863.09	3857377.25	0.11285	0.16068	0.13662	0.12296	2.12E-04	1.4E-05	0.00297	1.4E-07	0.00319	2.60E-04	1.73E-05	0.003654	7.69E-08	3.93E-03	0.000229	1.33E-05	0.006958	7.94E-08	0.007201
4375	496363.09	3857377.25	0.10936	0.16305	0.13512	0.12053	2.06E-04	1.4E-05	0.00293	1.3E-07	0.00315	2.52E-04	1.75E-05	0.003614	7.54E-08	3.88E-03	0.000222	1.35E-05	0.006882	7.79E-08	0.007117
4376	496863.09	3857377.25	0.1122	0.15723	0.13584	0.1184	2.11E-04	1.4E-05	0.00295	1.3E-07	0.00317	2.58E-04	1.69E-05	0.003633	7.41E-08	3.91E-03	0.000228	1.3E-05	0.006918	7.65E-08	0.007159
4377	497363.09	3857377.25	0.12172	0.16256	0.14817	0.12408	2.29E-04	1.4E-05	0.00322	1.4E-07	0.00346	2.80E-04	1.75E-05	0.003963	7.76E-08	4.26E-03	0.000247	1.34E-05	0.007546	8.02E-08	0.007807
4378	497863.09	3857377.25	0.137	0.19468	0.16698	0.13257	2.57E-04	1.7E-05	0.00363	1.5E-07	0.0039	3.15E-04	2.09E-05	0.004466	8.29E-08	4.80E-03	0.000278	1.61E-05	0.008504	8.56E-08	0.008799
4379	498363.09	3857377.25	0.17781	0.25223	0.21577	0.1703	3.34E-04	2.2E-05	0.00469	1.9E-07	0.00504	4.09E-04	2.71E-05	0.005771	1.07E-07	6.21E-03	0.000361	2.09E-05	0.010989	1.1E-07	0.011371
4380	471363.09	3857877.25	0.16115	0.23082	0.18086	0.1333	3.03E-04	2E-05	0.00393	1.5E-07	0.00425	3.71E-04	2.48E-05	0.004837	8.34E-08	5.23E-03	0.000327	1.91E-05	0.009211	8.61E-08	0.009558
4381	471863.09	3857877.25	0.16344	0.23364	0.18901	0.13071	3.07E-04	2E-05	0.0041	1.5E-07	0.00443	3.76E-04	2.51E-05	0.005055	8.18E-08	5.46E-03	0.000332	1.93E-05	0.009626	8.44E-08	0.009978
4382	472363.09	3857877.25	0.17394	0.26542	0.19708	0.14022	3.27E-04	2.3E-05	0.00428	1.6E-07	0.00463	4.01E-04	2.85E-05	0.005271	8.77E-08	5.70E-03	0.000353	2.19E-05	0.010037	9.06E-08	0.010413
4383	472863.09	3857877.25	0.18924	0.2769	0.21148	0.15463	3.56E-04	2.4E-05	0.00459	1.7E-07	0.00497	4.36E-04	2.98E-05	0.005656	9.67E-08	6.12E-03	0.000384	2.29E-05	0.010771	9.99E-08	0.011178
4384	473363.09	3857877.25	0.20052	0.29535	0.2254	0.16089	3.77E-04	2.6E-05	0.00489	1.8E-07	0.0053	4.62E-04	3.18E-05	0.006028	1.01E-07	6.52E-03	0.000407	2.44E-05	0.01148	1.04E-07	0.011911
4385	473863.09	3857877.25	0.21162	0.32028	0.23729	0.17709	3.98E-04	2.8E-05	0.00515	2E-07	0.00558	4.87E-04	3.44E-05	0.006346	1.11E-07	6.87E-03	0.00043	2.65E-05	0.012085	1.14E-07	0.012542
4386	474363.09	3857877.25	0.19676	0.32461	0.23983	0.15112	3.70E-04	2.8E-05	0.00521	1.7E-07	0.00561	4.53E-04	3.49E-05	0.006414	9.45E-08	6.90E-03	0.000399	2.68E-05	0.012215	9.76E-08	0.012641
4387	474863.09	3857877.25	0.15152	0.21143	0.18237	0.11214	2.85E-04	1.9E-05	0.00396	1.3E-07	0.00426	3.49E-04	2.27E-05	0.004878	7.01E-08	5.25E-03	0.000308	1.75E-05	0.009288	7.24E-08	0.009613
4388	475363.09	3857877.25	0.07731	0.10016	0.10317	0.06523	1.45E-04	8.8E-06	0.00224	7.3E-08	0.00239	1.78E-04	1.08E-05	0.002759	4.08E-08	2.95E-03	0.000157	8.28E-06	0.005255	4.21E-08	0.00542

4389	475863.09	3857877.25	0.03701	0.05529	0.04907	0.04265	6.95E-05	4.9E-06	0.00107	4.8E-08	0.00114	8.52E-05	5.94E-06	0.001312	2.67E-08	1.40E-03	7.51E-05	4.57E-06	0.002499	2.76E-08	0.002579
4390	476363.09	3857877.25	0.09065	0.12956	0.10555	0.06994	1.70E-04	1.1E-05	0.00229	7.8E-08	0.00247	2.09E-04	1.39E-05	0.002823	4.37E-08	3.05E-03	0.000184	1.07E-05	0.005376	4.52E-08	0.005571
4391	476863.09	3857877.25	0.11247	0.16176	0.12998	0.07746	2.11E-04	1.4E-05	0.00282	8.7E-08	0.00305	2.59E-04	1.74E-05	0.003476	4.84E-08	3.75E-03	0.000228	1.34E-05	0.00662	5E-08	0.006862
4392	477363.09	3857877.25	0.10515	0.17611	0.12978	0.07818	1.98E-04	1.5E-05	0.00282	8.7E-08	0.00303	2.42E-04	1.89E-05	0.003471	4.89E-08	3.73E-03	0.000213	1.46E-05	0.00661	5.05E-08	0.006838
4393	477863.09	3857877.25	0.09865	0.15787	0.12703	0.08035	1.85E-04	1.4E-05	0.00276	9E-08	0.00296	2.27E-04	1.7E-05	0.003398	5.03E-08	3.64E-03	0.0002	1.31E-05	0.00647	5.19E-08	0.006683
4394	478363.09	3857877.25	0.05293	0.08835	0.07141	0.05895	9.95E-05	7.8E-06	0.00155	6.6E-08	0.00166	1.22E-04	9.5E-06	0.00191	3.69E-08	2.04E-03	0.000107	7.31E-06	0.003637	3.81E-08	0.003752
4395	478863.09	3857877.25	0.04735	0.07984	0.05784	0.05097	8.90E-05	7E-06	0.00126	5.7E-08	0.00135	1.09E-04	8.58E-06	0.001547	3.19E-08	1.66E-03	9.61E-05	6.6E-06	0.002946	3.29E-08	0.003049
4396	479363.09	3857877.25	0.28078	0.43046	0.32637	0.15407	5.28E-04	3.8E-05	0.00709	1.7E-07	0.00765	6.47E-04	4.63E-05	0.008729	9.64E-08	9.42E-03	0.00057	3.56E-05	0.016622	9.95E-08	0.017228
4397	479863.09	3857877.25	0.51815	0.6965	0.59527	0.34177	9.74E-04	6.1E-05	0.01293	3.8E-07	0.01396	1.19E-03	7.49E-05	0.015921	2.14E-07	1.72E-02	0.001052	5.76E-05	0.030317	2.21E-07	0.031427
4398	480363.09	3857877.25	0.61686	0.79825	0.71442	0.45767	1.16E-03	7E-05	0.01551	5.1E-07	0.01674	1.42E-03	8.58E-05	0.019108	2.86E-07	2.06E-02	0.001252	6.6E-05	0.036386	2.96E-07	0.037705
4399	480863.09	3857877.25	0.67186	0.84111	0.79831	0.524	1.26E-03	7.4E-05	0.01734	5.9E-07	0.01867	1.55E-03	9.04E-05	0.021351	3.28E-07	2.30E-02	0.001364	6.96E-05	0.040658	3.38E-07	0.042092
4400	481363.09	3857877.25	0.76686	0.89515	0.8906	0.58666	1.44E-03	7.9E-05	0.01934	6.6E-07	0.02086	1.77E-03	9.62E-05	0.02382	3.67E-07	2.57E-02	0.001557	7.4E-05	0.045359	3.79E-07	0.04699
4401	481863.09	3857877.25	0.83699	1.14604	0.96159	0.7749	1.57E-03	0.0001	0.02088	8.7E-07	0.02256	1.93E-03	0.000123	0.025718	4.85E-07	2.78E-02	0.001699	9.48E-05	0.048974	5.01E-07	0.050769
4402	482363.09	3857877.25	0.90698	1.06486	1.07457	1.00633	1.70E-03	9.3E-05	0.02334	1.1E-06	0.02513	2.09E-03	0.000114	0.02874	6.29E-07	3.09E-02	0.001842	8.81E-05	0.054728	6.5E-07	0.056659
4403	482863.09	3857877.25	0.92543	1.11795	1.09684	1.22376	1.74E-03	9.8E-05	0.02382	1.4E-06	0.02566	2.13E-03	0.00012	0.029336	7.65E-07	3.16E-02	0.001879	9.25E-05	0.055863	7.91E-07	0.057835
4404	483363.09	3857877.25	0.97924	1.12848	1.17131	1.42353	1.84E-03	9.9E-05	0.02544	1.6E-06	0.02738	2.26E-03	0.000121	0.031327	8.9E-07	3.37E-02	0.001988	9.33E-05	0.059655	9.2E-07	0.061738
4405	483863.09	3857877.25	1.05997	1.18149	1.28758	1.5314	1.99E-03	0.0001	0.02796	1.7E-06	0.03006	2.44E-03	0.000127	0.034437	9.58E-07	3.70E-02	0.002152	9.77E-05	0.065577	9.89E-07	0.067828
4406	484363.09	3857877.25	1.17575	1.47755	1.41348	1.75722	2.21E-03	0.00013	0.0307	2E-06	0.03304	2.71E-03	0.000159	0.037804	1.1E-06	4.07E-02	0.002387	0.000122	0.071989	1.14E-06	0.0745
4407	484863.09	3857877.25	1.31007	1.66435	1.55407	2.15949	2.46E-03	0.00015	0.03375	2.4E-06	0.03636	3.02E-03	0.000179	0.041565	1.35E-06	4.48E-02	0.00266	0.000138	0.07915	1.39E-06	0.081949
4408	485363.09	3857877.25	1.44742	2.47255	1.59488	2.44336	2.72E-03	0.00022	0.03463	2.7E-06	0.03757	3.33E-03	0.000266	0.042656	1.53E-06	4.63E-02	0.002939	0.000204	0.081228	1.58E-06	0.084373
4409	485863.09	3857877.25	1.65275	3.65135	1.78346	2.92979	3.11E-03	0.00032	0.03873	3.3E-06	0.04216	3.81E-03	0.000393	0.0477	1.83E-06	5.19E-02	0.003356	0.000302	0.090833	1.89E-06	0.094492
4410	486363.09	3857877.25	1.98552	5.27941	2.20812	3.47995	3.73E-03	0.00046	0.04795	3.9E-06	0.05215	4.57E-03	0.000568	0.059058	2.18E-06	6.42E-02	0.004031	0.000437	0.112461	2.25E-06	0.116931
4411	486863.09	3857877.25	2.59138	7.24239	2.28242	5.123	4.87E-03	0.00064	0.04957	5.7E-06	0.05508	5.97E-03	0.000779	0.061045	3.2E-06	6.78E-02	0.005261	0.000599	0.116245	3.31E-06	0.122109
4412	487363.09	3857877.25	5.14805	8.11242	2.73558	9.3756	9.67E-03	0.00071	0.05941	1E-05	0.0698	1.19E-02	0.000872	0.073165	5.86E-06	8.59E-02	0.010452	0.000671	0.139325	6.06E-06	0.150454
4413	487863.09	3857877.25	5.3766	6.64165	3.01733	15.62275	1.01E-02	0.00058	0.06552	1.7E-05	0.07623	1.24E-02	0.000714	0.080701	9.77E-06	9.38E-02	0.010917	0.000549	0.153674	1.01E-05	0.16515
4414	488363.09	3857877.25	2.81354	5.59196	2.74323	7.51044	5.29E-03	0.00049	0.05957	8.4E-06	0.06536	6.48E-03	0.000601	0.07337	4.7E-06	8.05E-02	0.005713	0.000462	0.139714	4.85E-06	0.145894
4415	488863.09	3857877.25	2.17558	3.5423	2.19973	4.51921	4.09E-03	0.00031	0.04777	5E-06	0.05217	5.01E-03	0.000381	0.058833	2.83E-06	6.42E-02	0.004417	0.000293	0.112034	2.92E-06	0.116747
4416	489363.09	3857877.25	1.71526	3.17332	1.8254	3.21766	3.22E-03	0.00028	0.03964	3.6E-06	0.04315	3.95E-03	0.000341	0.048822	2.01E-06	5.31E-02	0.003483	0.000262	0.092969	2.08E-06	0.096716
4417	489863.09	3857877.25	1.40199	2.9386	1.4353	2.41588	2.63E-03	0.00026	0.03117	2.7E-06	0.03406	3.23E-03	0.000316	0.038388	1.51E-06	4.19E-02	0.002847	0.000243	0.073101	1.56E-06	0.076192
4418	490363.09	3857877.25	1.24	2.5465	1.29272	1.98513	2.33E-03	0.00022	0.02807	2.2E-06	0.03063	2.86E-03	0.000274	0.034575	1.24E-06	3.77E-02	0.002518	0.000211	0.065839	1.28E-06	0.068569
4419	490863.09	3857877.25	1.09487	2.14519	1.15017	1.63162	2.06E-03	0.00019	0.02498	1.8E-06	0.02722	2.52E-03	0.000231	0.030762	1.02E-06	3.35E-02	0.002223	0.000177	0.058579	1.05E-06	0.06098
4420	491363.09	3857877.25	0.98602	1.81226	1.03788	1.19298	1.85E-03	0.00016	0.02254	1.3E-06	0.02455	2.27E-03	0.000195	0.027759	7.46E-07	3.02E-02	0.002002	0.00015	0.05286	7.71E-07	0.055012
4421	491863.09	3857877.25	0.87307	1.53708	1.00565	0.8397	1.64E-03	0.00013	0.02184	9.4E-07	0.02362	2.01E-03	0.000165	0.026897	5.25E-07	2.91E-02	0.001773	0.000127	0.051218	5.42E-07	0.053119
4422	492363.09	3857877.25	0.54625	0.87239	0.64102	0.42137	1.03E-03	7.7E-05	0.01392	4.7E-07	0.01502	1.26E-03	9.38E-05	0.017145	2.64E-07	1.85E-02	0.001109	7.21E-05	0.032648	2.72E-07	0.033829
4423	492863.09	3857877.25	0.28459	0.46411	0.32555	0.28479	5.35E-04	4.1E-05	0.00707	3.2E-07	0.00765	6.55E-04	4.99E-05	0.008707	1.78E-07	9.41E-03	0.000578	3.84E-05	0.01658	1.84E-07	0.017197
4424	493363.09	3857877.25	0.22009	0.3404	0.26127	0.22602	4.14E-04	3E-05	0.00567	2.5E-07	0.00612	5.07E-04	3.66E-05	0.006988	1.41E-07	7.53E-03	0.000447	2.82E-05	0.013307	1.46E-07	0.013782
4425	493863.09	3857877.25	0.19098	0.29331	0.22677	0.20459	3.59E-04	2.6E-05	0.00492	2.3E-07	0.00531	4.40E-04	3.15E-05	0.006065	1.28E-07	6.54E-03	0.000388	2.43E-05	0.01155	1.32E-07	0.011962
4426	494363.09	3857877.25	0.17573	0.24132	0.20926	0.18808	3.30E-04	2.1E-05	0.00454	2.1E-07	0.0049	4.05E-04	2.59E-05	0.005597	1.18E-07	6.03E-03	0.000357	2E-05	0.010658	1.21E-07	0.011035
4427	494863.09	3857877.25	0.15268	0.20648	0.17417	0.16332	2.87E-04	1.8E-05	0.00378	1.8E-07	0.00409	3.52E-04	2.22E-05	0.004658	1.02E-07	5.03E-03	0.00031	1.71E-05	0.008871	1.05E-07	0.009198
4428	495363.09	3857877.25	0.13931	0.18067	0.16139	0.15272	2.62E-04	1.6E-05	0.0035	1.7E-07	0.00378	3.21E-04	1.94E-05	0.004316	9.55E-08	4.66E-03	0.000283	1.49E-05	0.00822	9.87E-08	0.008518
4429	495863.09	3857877.25	0.12874	0.16662	0.15128	0.14371	2.42E-04	1.5E-05	0.00329	1.6E-07	0.00354	2.96E-04	1.79E-05	0.004046	8.99E-08	4.36E-03	0.000261	1.38E-05	0.007705	9.28E-08	0.00798
4430	496363.09	3857877.25	0.1298	0.16918	0.15068	0.14143	2.44E-04	1.5E-05	0.00327	1.6E-07	0.00353	2.99E-04	1.82E-05	0.00403	8.85E-08	4.35E-03	0.000264	1.4E-05	0.007674	9.14E-08	0.007952
4431	496863.09	3857877.25	0.13187	0.17825	0.15266	0.13864	2.48E-04	1.6E-05	0.00332	1.5E-07	0.00358	3.04E-04	1.92E-05	0.004083	8.67E-08	4.41E-03	0.000268	1.47E-05	0.007775	8.96E-08	0.008058
4432	497363.09	3857877.25	0.13382	0.18061	0.14849	0.13797	2.51E-04	1.6E-05	0.00322	1.5E-07	0.00349	3.08E-04	1.94E-05	0.003971	8.63E-08	4.30E-03	0.000272	1.49E-05	0.007563	8.91E-08	0.007849
4433	497863.09	3857877.25	0.16216	0.21031	0.18248	0.16058	3.05E-04	1.8E-05	0.00396	1.8E-07	0.00429	3.73E-04	2.26E-05	0.004881	1E-07	5.28E-03	0.000329	1.74E-05	0.009294	1.04E-07	0.009641
4434	498363.09	3857877.25	0.19691	0.24785	0.22374	0.17705	3.70E-04	2.2E-05	0.00486	2E-07	0.00525	4.53E-04	2.66E-05	0.005984	1.11E-07	6.46E-03	0.0004	2.05E-05	0.011395	1.14E-07	0.011816
4435	471363.09	3858377.25	0.15674	0.24733	0.18103	0.14519	2.95E-04	2.2E-05	0.00393	1.6E-07	0.00425	3.61E-04	2.66E-05	0.004842	9.08E-08	5.23E-03	0.000318	2.05E-05	0.00922	9.38E-08	0.009559
4436	471863.09	3858377.25	0.15759	0.23889	0.1886	0.15182	2.96E-04	2.1E-05	0.0041	1.7E-07	0.00441	3.63E-04	2.57E-05	0.005044	9.5E-08	5.43E-03	0.00032	1.98E-05	0.009606	9.81E-08	0.009945
4437	472363.09	3858377.25	0.1605	0.23384	0.20959	0.15622	3.02E-04	2.1E-05	0.00455	1.7E-07	0.00487	3.70E-04	2.51E-05	0.005606	9.77E-08	6.00E-03	0.000326	1.93E-05	0.010675	1.01E-07	0.01102
4438	472863.09	3858377.25	0.17546	0.27567	0.22135	0.1603	3.30E-04	2.4E-05	0.00481	1.8E-07	0.00516	4.04E-04	2.96E-05	0.00592	1E-07	6.35E-03	0.000356	2.28E-05	0.011273	1.04E-07	0.011653
4439	473363.09	3858377.25	0.19467	0.30655	0.23007	0.18329	3.66E-04	2.7E-05	0.005	2E-07	0.00539	4.48E-04	3.3E-05	0.006153	1.15E-07	6.63E-03	0.000395	2.54E-05	0.011718	1.18E-07	0.012138
4440	473863.09	3858377.25	0.19563	0.30717	0.23352	0.18174	3.68E-04	2.7E-05	0.00507	2E-07	0.00547	4.50E-04	3.3E-05	0.006246	1.14E-07	6.73E-03	0.000397	2.54E-05	0.011893	1.17E-07	0.012316
4441	474363.09	3858377.25	0.19133	0.28553	0.217	0.15271	3.60E-04	2.5E-05	0.00471	1.7E-07	0.0051	4.41E-04	3.07E-05	0.005804	9.55E-08	6.28E-03	0.000388	2.36E-05	0.011052	9.86E-08	0.011464
4442	474863.09	3858377.25	0.16333	0.23486	0.17273	0.11926	3.07E-04	2.1E-05	0.00375	1.3E-07	0.00408	3.76E-04	2.52E-05	0.00462	7.46E-08	5.02E-03	0.000332	1.94E-05	0.008797	7.7E-08	0.009148
4443	475363.09	3858377.25	0.09913	0.14898	0.11951	0.07486	1.86E-04	1.3E-05	0.0026	8.4E-08	0.00279	2.28E-04	1.6E-05	0.003196	4.68E-08	3.44E-03	0.000201	1.23E-05	0.006087	4.84E-08	0.0063
4444	475863.09	3858377.25	0.06946	0.10069	0.08668	0.05946	1.31E-04	8.8E-06	0.00188	6.6E-08	0.00202	1.60E-04	1.08E-05	0.002318	3.72E-08	2.49E-03	0.000141	8.33E-06	0.004415	3.84E-08	0.004564
4445	476363.09	3858377.25	0.07432	0.10571	0.09166	0.06283	1.40E-04	9.3E-06	0.00199	7E-08	0.00214	1.71E-04	1.14E-05	0.002452	3.93E-08	2.63E-03	0.000151	8.74E-06	0.004668	4.06E-08	0.004828
4446	476863.09	3858377.25	0.08025	0.1087	0.09792	0.06787	1.51E-04	9.5E-06	0.00213	7.6E-08	0.00229	1.85E-04	1.17E-05	0.002619	4.24E-08	2.82E-03	0.000163	8.99E-06	0.004987	4.38E-08	0.005159
4447	477363.09	3858377.25	0.07305	0.11253	0.09653	0.06694	1.37E-04	9.9E-06	0.0021	7.5E-08	0.00224	1.68E-04	1.21E-05	0.002582	4.19E-08	2.76E-03	0.000148	9.31E-06	0.004916	4.32E-08	0.005074
4448	477863.09	3858377.25	0.10627	0.16536	0.12104	0.08344	2.00E-04	1.5E-05	0.00263	9.3E-08	0.00284	2.45E-04	1.78E-05	0.003237	5.22E-08	3.50E-03	0.000216	1.37E-05	0.006165	5.39E-08	0.006394
4449	478363.09	3858377.25	0.11858	0.172	0.1263	0.08563	2.23E-04	1.5E-05	0.00274	9.6E-08	0.00298	2.73E-04	1.85E-05	0.003378	5.36E-08	3.67E-03	0.000241	1.42E-05	0.006433	5.53E-08	0.006688

4450	478863.09	3858377.25	0.07308	0.10569	0.08866	0.06708	1.37E-04	9.3E-06	0.00193	7.5E-08	0.00207	1.68E-04	1.14E-05	0.002371	4.2E-08	2.55E-03	0.000148	8.74E-06	0.004516	4.33E-08	0.004673
4451	479363.09	3858377.25	0.29165	0.43605	0.33951	0.16054	5.48E-04	3.8E-05	0.00737	1.8E-07	0.00796	6.72E-04	4.69E-05	0.00908	1E-07	9.80E-03	0.000592	3.61E-05	0.017291	1.04E-07	0.01792
4452	479863.09	3858377.25	0.51334	0.75743	0.62182	0.3826	9.65E-04	6.6E-05	0.0135	4.3E-07	0.01453	1.18E-03	8.14E-05	0.016631	2.39E-07	1.79E-02	0.001042	6.26E-05	0.03167	2.47E-07	0.032775
4453	480363.09	3858377.25	0.56912	0.69092	0.69327	0.48827	1.07E-03	6.1E-05	0.01506	5.5E-07	0.01619	1.31E-03	7.43E-05	0.018542	3.05E-07	1.99E-02	0.001156	5.71E-05	0.035309	3.15E-07	0.036522
4454	480863.09	3858377.25	0.60311	0.72763	0.74622	0.53912	1.13E-03	6.4E-05	0.0162	6E-07	0.0174	1.39E-03	7.82E-05	0.019958	3.37E-07	2.14E-02	0.001225	6.02E-05	0.038005	3.48E-07	0.03929
4455	481363.09	3858377.25	0.63099	0.89355	0.82242	0.60553	1.19E-03	7.8E-05	0.01786	6.8E-07	0.01912	1.45E-03	9.61E-05	0.021996	3.79E-07	2.35E-02	0.001281	7.39E-05	0.041886	3.91E-07	0.043242
4456	481863.09	3858377.25	0.7378	0.98932	0.87109	0.62919	1.39E-03	8.7E-05	0.01892	7E-07	0.02039	1.70E-03	0.000106	0.023298	3.94E-07	2.51E-02	0.001498	8.18E-05	0.044365	4.06E-07	0.045945
4457	482363.09	3858377.25	0.79492	1.08546	0.99849	0.81679	1.49E-03	9.5E-05	0.02168	9.1E-07	0.02327	1.83E-03	0.000117	0.026705	5.11E-07	2.87E-02	0.001614	8.98E-05	0.050854	5.28E-07	0.052558
4458	482863.09	3858377.25	0.83096	1.04963	1.0103	1.01699	1.56E-03	9.2E-05	0.02194	1.1E-06	0.02359	1.91E-03	0.000113	0.027021	6.36E-07	2.90E-02	0.001687	8.68E-05	0.051455	6.57E-07	0.05323
4459	483363.09	3858377.25	0.85302	1.11913	0.99141	1.18438	1.60E-03	9.8E-05	0.02153	1.3E-06	0.02323	1.96E-03	0.00012	0.026516	7.41E-07	2.86E-02	0.001732	9.26E-05	0.050493	7.65E-07	0.052318
4460	483863.09	3858377.25	0.8838	1.331	1.09255	1.34162	1.66E-03	0.00012	0.02373	1.5E-06	0.0255	2.04E-03	0.000143	0.029221	8.39E-07	3.14E-02	0.001794	0.00011	0.055644	8.67E-07	0.05755
4461	484363.09	3858377.25	0.96234	1.50374	1.14608	1.43336	1.81E-03	0.00013	0.02489	1.6E-06	0.02683	2.22E-03	0.000162	0.030653	8.96E-07	3.30E-02	0.001954	0.000124	0.058371	9.26E-07	0.06045
4462	484863.09	3858377.25	1.01304	1.78698	1.11407	1.69468	1.90E-03	0.00016	0.02419	1.9E-06	0.02626	2.33E-03	0.000192	0.029797	1.06E-06	3.23E-02	0.002057	0.000148	0.05674	1.09E-06	0.058946
4463	485363.09	3858377.25	1.06574	2.02633	1.08117	1.8919	2.00E-03	0.00018	0.02348	2.1E-06	0.02566	2.45E-03	0.000218	0.028917	1.18E-06	3.16E-02	0.002164	0.000168	0.055065	1.22E-06	0.057397
4464	485863.09	3858377.25	1.20908	2.55319	1.19765	2.06903	2.27E-03	0.00022	0.02601	2.3E-06	0.02851	2.78E-03	0.000274	0.032032	1.29E-06	3.51E-02	0.002455	0.000211	0.060997	1.34E-06	0.063664
4465	486363.09	3858377.25	1.35101	2.75982	1.24231	2.34081	2.54E-03	0.00024	0.02698	2.6E-06	0.02976	3.11E-03	0.000297	0.033226	1.46E-06	3.66E-02	0.002743	0.000228	0.063272	1.51E-06	0.066244
4466	486863.09	3858377.25	1.50277	2.89638	1.38961	2.78517	2.82E-03	0.00025	0.03018	3.1E-06	0.03326	3.46E-03	0.000311	0.037166	1.74E-06	4.09E-02	0.003051	0.00024	0.070774	1.8E-06	0.074066
4467	487363.09	3858377.25	1.82305	2.96591	1.6062	3.3483	3.43E-03	0.00026	0.03488	3.7E-06	0.03857	4.20E-03	0.000319	0.042959	2.09E-06	4.75E-02	0.003701	0.000245	0.081805	2.16E-06	0.085754
4468	487863.09	3858377.25	2.90342	3.30389	1.81125	4.23428	5.46E-03	0.00029	0.03933	4.7E-06	0.04508	6.69E-03	0.000355	0.048443	2.65E-06	5.55E-02	0.005895	0.000273	0.092248	2.74E-06	0.098419
4469	488363.09	3858377.25	3.83853	3.0269	1.92315	5.27409	7.21E-03	0.00027	0.04176	5.9E-06	0.04925	8.84E-03	0.000325	0.051436	3.3E-06	6.06E-02	0.007794	0.00025	0.097947	3.41E-06	0.105995
4470	488863.09	3858377.25	2.123	2.5689	1.68308	3.41141	3.99E-03	0.00023	0.03655	3.8E-06	0.04077	4.89E-03	0.000276	0.045015	2.13E-06	5.02E-02	0.00431	0.000212	0.08572	2.2E-06	0.090245
4471	489363.09	3858377.25	1.63029	2.67187	1.59874	2.91471	3.06E-03	0.00023	0.03472	3.3E-06	0.03802	3.75E-03	0.000287	0.042759	1.82E-06	4.68E-02	0.00331	0.000221	0.081425	1.88E-06	0.084958
4472	489863.09	3858377.25	1.38363	1.9818	1.48472	2.04706	2.60E-03	0.00017	0.03224	2.3E-06	0.03502	3.19E-03	0.000213	0.03971	1.28E-06	4.31E-02	0.002809	0.000164	0.075618	1.32E-06	0.078592
4473	490363.09	3858377.25	1.20193	1.67136	1.37971	1.67749	2.26E-03	0.00015	0.02996	1.9E-06	0.03237	2.77E-03	0.00018	0.036901	1.05E-06	3.98E-02	0.00244	0.000138	0.070269	1.08E-06	0.072849
4474	490863.09	3858377.25	1.00659	1.50514	1.07728	1.44439	1.89E-03	0.00013	0.02339	1.6E-06	0.02542	2.32E-03	0.000162	0.028813	9.03E-07	3.13E-02	0.002044	0.000124	0.054866	9.33E-07	0.057036
4475	491363.09	3858377.25	0.87701	1.30311	0.95375	1.12606	1.65E-03	0.00011	0.02071	1.3E-06	0.02248	2.02E-03	0.00014	0.025509	7.04E-07	2.77E-02	0.001781	0.000108	0.048575	7.27E-07	0.050464
4476	491863.09	3858377.25	0.75002	1.16816	0.84654	0.60014	1.41E-03	0.0001	0.01838	6.7E-07	0.0199	1.73E-03	0.000126	0.022641	3.75E-07	2.45E-02	0.001523	9.66E-05	0.043115	3.88E-07	0.044735
4477	492363.09	3858377.25	0.39344	0.53939	0.41358	0.30037	7.39E-04	4.7E-05	0.00898	3.4E-07	0.00977	9.06E-04	5.8E-05	0.011061	1.88E-07	1.20E-02	0.000799	4.46E-05	0.021064	1.94E-07	0.021907
4478	492863.09	3858377.25	0.42917	0.58146	0.47884	0.31571	8.06E-04	5.1E-05	0.0104	3.5E-07	0.01126	9.88E-04	6.25E-05	0.012807	1.97E-07	1.39E-02	0.000871	4.81E-05	0.024388	2.04E-07	0.025307
4479	493363.09	3858377.25	0.31875	0.43545	0.36973	0.26782	5.99E-04	3.8E-05	0.00803	3E-07	0.00867	7.34E-04	4.68E-05	0.009889	1.68E-07	1.07E-02	0.000647	3.6E-05	0.018831	1.73E-07	0.019514
4480	493863.09	3858377.25	0.27001	0.37126	0.31179	0.23843	5.07E-04	3.3E-05	0.00677	2.7E-07	0.00731	6.22E-04	3.99E-05	0.008339	1.49E-07	9.00E-03	0.000548	3.07E-05	0.01588	1.54E-07	0.016459
4481	494363.09	3858377.25	0.22463	0.32083	0.25522	0.20974	4.22E-04	2.8E-05	0.00554	2.3E-07	0.00599	5.17E-04	3.45E-05	0.006826	1.31E-07	7.38E-03	0.000456	2.65E-05	0.012999	1.35E-07	0.013481
4482	494863.09	3858377.25	0.18244	0.26743	0.21276	0.18954	3.43E-04	2.3E-05	0.00462	2.1E-07	0.00499	4.20E-04	2.87E-05	0.00569	1.19E-07	6.14E-03	0.00037	2.21E-05	0.010836	1.22E-07	0.011229
4483	495363.09	3858377.25	0.16008	0.21433	0.19149	0.16756	3.01E-04	1.9E-05	0.00416	1.9E-07	0.00448	3.69E-04	2.3E-05	0.005122	1.05E-07	5.51E-03	0.000325	1.77E-05	0.009753	1.08E-07	0.010096
4484	495863.09	3858377.25	0.15419	0.20525	0.195	0.16216	2.90E-04	1.8E-05	0.00423	1.8E-07	0.00454	3.55E-04	2.21E-05	0.005215	1.01E-07	5.59E-03	0.000313	1.7E-05	0.009931	1.05E-07	0.010262
4485	496363.09	3858377.25	0.14946	0.19971	0.18676	0.15564	2.81E-04	1.8E-05	0.00406	1.7E-07	0.00435	3.44E-04	2.15E-05	0.004995	9.73E-08	5.36E-03	0.000303	1.65E-05	0.009512	1.01E-07	0.009832
4486	496863.09	3858377.25	0.16357	0.21681	0.20463	0.16135	3.07E-04	1.9E-05	0.00444	1.8E-07	0.00477	3.77E-04	2.33E-05	0.005473	1.01E-07	5.87E-03	0.000332	1.79E-05	0.010422	1.04E-07	0.010772
4487	497363.09	3858377.25	0.16927	0.21657	0.20629	0.16053	3.18E-04	1.9E-05	0.00448	1.8E-07	0.00482	3.90E-04	2.33E-05	0.005517	1E-07	5.93E-03	0.000344	1.79E-05	0.010506	1.04E-07	0.010868
4488	497863.09	3858377.25	0.20518	0.25966	0.25713	0.17857	3.86E-04	2.3E-05	0.00558	2E-07	0.00599	4.72E-04	2.79E-05	0.006877	1.12E-07	7.38E-03	0.000417	2.15E-05	0.013096	1.15E-07	0.013534
4489	498363.09	3858377.25	0.28992	0.34281	0.35205	0.20572	5.45E-04	3E-05	0.00765	2.3E-07	0.00822	6.68E-04	3.69E-05	0.009416	1.29E-07	1.01E-02	0.000589	2.83E-05	0.01793	1.33E-07	0.018547
4490	471363.09	3858877.25	0.14541	0.2695	0.18442	0.15749	2.73E-04	2.4E-05	0.004	1.8E-07	0.0043	3.35E-04	2.9E-05	0.004932	9.85E-08	5.30E-03	0.000295	2.23E-05	0.009393	1.02E-07	0.00971
4491	471863.09	3858877.25	0.15697	0.30217	0.18512	0.15955	2.95E-04	2.7E-05	0.00402	1.8E-07	0.00434	3.61E-04	3.25E-05	0.004951	9.98E-08	5.35E-03	0.000319	2.5E-05	0.009428	1.03E-07	0.009772
4492	472363.09	3858877.25	0.16815	0.30923	0.19183	0.17286	3.16E-04	2.7E-05	0.00417	1.9E-07	0.00451	3.87E-04	3.32E-05	0.005131	1.08E-07	5.55E-03	0.000341	2.56E-05	0.00977	1.12E-07	0.010137
4493	472863.09	3858877.25	0.17374	0.30293	0.19702	0.17547	3.26E-04	2.7E-05	0.00428	2E-07	0.00463	4.00E-04	3.26E-05	0.005269	1.1E-07	5.70E-03	0.000353	2.51E-05	0.010034	1.13E-07	0.010412
4494	473363.09	3858877.25	0.18754	0.3072	0.20494	0.18483	3.52E-04	2.7E-05	0.00445	2.1E-07	0.00483	4.32E-04	3.3E-05	0.005481	1.16E-07	5.95E-03	0.000381	2.54E-05	0.010438	1.19E-07	0.010844
4495	473863.09	3858877.25	0.19987	0.34331	0.21888	0.17598	3.76E-04	3E-05	0.00475	2E-07	0.00516	4.60E-04	3.69E-05	0.005854	1.1E-07	6.35E-03	0.000406	2.84E-05	0.011148	1.14E-07	0.011582
4496	474363.09	3858877.25	0.19588	0.33515	0.22157	0.14824	3.68E-04	2.9E-05	0.00481	1.7E-07	0.00521	4.51E-04	3.6E-05	0.005926	9.27E-08	6.41E-03	0.000398	2.77E-05	0.011285	9.58E-08	0.01171
4497	474863.09	3858877.25	0.09952	0.13641	0.11886	0.07267	1.87E-04	1.2E-05	0.00258	8.1E-08	0.00278	2.29E-04	1.47E-05	0.003179	4.55E-08	3.42E-03	0.000202	1.13E-05	0.006054	4.69E-08	0.006267
4498	475363.09	3858877.25	0.0675	0.09022	0.08565	0.06039	1.27E-04	7.9E-06	0.00186	6.7E-08	0.00199	1.55E-04	9.7E-06	0.002291	3.78E-08	2.46E-03	0.000137	7.46E-06	0.004362	3.9E-08	0.004507
4499	475863.09	3858877.25	0.0767	0.09683	0.09612	0.07097	1.44E-04	8.5E-06	0.00209	7.9E-08	0.00224	1.77E-04	1.04E-05	0.002571	4.44E-08	2.76E-03	0.000156	8.01E-06	0.004895	4.58E-08	0.005059
4500	476363.09	3858877.25	0.04772	0.06341	0.06004	0.05187	8.97E-05	5.6E-06	0.0013	5.8E-08	0.0014	1.10E-04	6.82E-06	0.001606	3.24E-08	1.72E-03	9.69E-05	5.24E-06	0.003058	3.35E-08	0.00316
4501	476863.09	3858877.25	0.06004	0.07921	0.07668	0.05864	1.13E-04	6.9E-06	0.00167	6.6E-08	0.00179	1.38E-04	8.52E-06	0.002051	3.67E-08	2.20E-03	0.000122	6.55E-06	0.003905	3.79E-08	0.004034
4502	477363.09	3858877.25	0.06329	0.09089	0.07252	0.0591	1.19E-04	8E-06	0.00157	6.6E-08	0.0017	1.46E-04	9.77E-06	0.00194	3.7E-08	2.10E-03	0.000129	7.52E-06	0.003693	3.82E-08	0.00383
4503	477863.09	3858877.25	0.08634	0.11832	0.09316	0.07307	1.62E-04	1E-05	0.00202	8.2E-08	0.0022	1.99E-04	1.27E-05	0.002492	4.57E-08	2.70E-03	0.000175	9.78E-06	0.004745	4.72E-08	0.00493
4504	478363.09	3858877.25	0.20595	0.26512	0.23388	0.10839	3.87E-04	2.3E-05	0.00508	1.2E-07	0.00549	4.74E-04	2.85E-05	0.006255	6.78E-08	6.76E-03	0.000418	2.19E-05	0.011912	7E-08	0.012352
4505	478863.09	3858877.25	0.1626	0.24235	0.18693	0.09821	3.06E-04	2.1E-05	0.00406	1.1E-07	0.00439	3.74E-04	2.61E-05	0.005	6.14E-08	5.40E-03	0.00033	2E-05	0.00952	6.34E-08	0.009871
4506	479363.09	3858877.25	0.1292	0.17734	0.14801	0.0828	2.43E-04	1.6E-05	0.00321	9.3E-08	0.00347	2.98E-04	1.91E-05	0.003959	5.18E-08	4.28E-03	0.000262	1.47E-05	0.007538	5.35E-08	0.007815
4507	479863.09	3858877.25	0.49183	0.611	0.58097	0.41562	9.24E-04	5.4E-05	0.01262	4.6E-07	0.01359	1.13E-03	6.57E-05	0.015538	2.6E-07	1.67E-02	0.000999	5.05E-05	0.029589	2.68E-07	0.030639
4508	480363.09	3858877.25	0.50979	0.71683	0.57942	0.51276	9.58E-04	6.3E-05	0.01258	5.7E-07	0.0136	1.17E-03	7.71E-05	0.015497	3.21E-07	1.67E-02	0.001035	5.93E-05	0.02951	3.31E-07	0.030605
4509	480863.09	3858877.25	0.5268	0.69154	0.66613	0.59802	9.90E-04	6.1E-05	0.01447	6.7E-07	0.01552	1.21E-03	7.43E-05	0.017816	3.74E-07	1.91E-02	0.00107	5.72E-05	0.033926	3.86E-07	0.035054
4510	481363.09	3858877.25	0.60704	0.85509	0.70207	0.61903	1.14E-03	7.5E-05	0.01525	6.9E-07	0.01646	1.40E-03	9.19E-05	0.018777	3.87E-07	2.03E-02	0.001233	7.07E-05	0.035757	4E-07	0.03706

4511	481863.09	3858877.25	0.66417	0.83623	0.78672	0.65899	1.25E-03	7.3E-05	0.01708	7.4E-07	0.01841	1.53E-03	8.99E-05	0.021041	4.12E-07	2.27E-02	0.001349	6.92E-05	0.040068	4.26E-07	0.041486
4512	482363.09	3858877.25	0.70007	1.08576	0.84997	0.78247	1.32E-03	9.5E-05	0.01846	8.7E-07	0.01987	1.61E-03	0.000117	0.022733	4.89E-07	2.45E-02	0.001421	8.98E-05	0.043289	5.05E-07	0.044801
4513	482863.09	3858877.25	0.7546	1.13152	0.88218	0.85321	1.42E-03	9.9E-05	0.01916	9.5E-07	0.02068	1.74E-03	0.000122	0.023595	5.34E-07	2.55E-02	0.001532	9.36E-05	0.04493	5.51E-07	0.046556
4514	483363.09	3858877.25	0.74445	1.24459	0.92973	1.06395	1.40E-03	0.00011	0.02019	1.2E-06	0.0217	1.71E-03	0.000134	0.024866	6.65E-07	2.67E-02	0.001512	0.000103	0.047352	6.87E-07	0.048967
4515	483863.09	3858877.25	0.75258	1.15371	0.88151	1.12089	1.41E-03	0.0001	0.01914	1.3E-06	0.02066	1.73E-03	0.000124	0.023577	7.01E-07	2.54E-02	0.001528	9.54E-05	0.044896	7.24E-07	0.04652
4516	484363.09	3858877.25	0.80893	1.25552	0.84121	1.13287	1.52E-03	0.00011	0.01827	1.3E-06	0.0199	1.86E-03	0.000135	0.022499	7.09E-07	2.45E-02	0.001642	0.000104	0.042843	7.32E-07	0.04459
4517	484863.09	3858877.25	0.80189	1.43968	0.80875	1.35239	1.51E-03	0.00013	0.01756	1.5E-06	0.0192	1.85E-03	0.000155	0.021631	8.46E-07	2.36E-02	0.001628	0.000119	0.04119	8.74E-07	0.042938
4518	485363.09	3858877.25	0.80895	1.62637	0.81431	1.39966	1.52E-03	0.00014	0.01768	1.6E-06	0.01935	1.86E-03	0.000175	0.021779	8.75E-07	2.38E-02	0.001642	0.000134	0.041473	9.04E-07	0.043251
4519	485863.09	3858877.25	0.86425	1.80976	0.84245	1.50614	1.62E-03	0.00016	0.01829	1.7E-06	0.02008	1.99E-03	0.000195	0.022532	9.42E-07	2.47E-02	0.001755	0.00015	0.042906	9.73E-07	0.044812
4520	486363.09	3858877.25	0.94917	2.3073	0.93571	1.54673	1.78E-03	0.0002	0.02032	1.7E-06	0.02231	2.19E-03	0.000248	0.025026	9.67E-07	2.75E-02	0.001927	0.000191	0.047656	9.99E-07	0.049775
4521	486863.09	3858877.25	1.04434	1.87207	1.02198	1.66717	1.96E-03	0.00016	0.02219	1.9E-06	0.02432	2.40E-03	0.000201	0.027334	1.04E-06	2.99E-02	0.00212	0.000155	0.05205	1.08E-06	0.054326
4522	487363.09	3858877.25	1.20818	1.90738	1.07582	1.96025	2.27E-03	0.00017	0.02336	2.2E-06	0.0258	2.78E-03	0.000205	0.028774	1.23E-06	3.18E-02	0.002453	0.000158	0.054792	1.27E-06	0.057404
4523	487863.09	3858877.25	1.38071	2.00075	1.22736	2.32173	2.59E-03	0.00018	0.02665	2.6E-06	0.02943	3.18E-03	0.000215	0.032827	1.45E-06	3.62E-02	0.002803	0.000165	0.06251	1.5E-06	0.06548
4524	488363.09	3858877.25	1.89643	2.0442	1.39053	2.59074	3.56E-03	0.00018	0.0302	2.9E-06	0.03394	4.37E-03	0.00022	0.037191	1.62E-06	4.18E-02	0.00385	0.000169	0.07082	1.67E-06	0.074842
4525	488863.09	3858877.25	4.38108	2.05414	1.46559	2.94716	8.23E-03	0.00018	0.03183	3.3E-06	0.04024	1.01E-02	0.000221	0.039198	1.84E-06	4.95E-02	0.008895	0.00017	0.074643	1.9E-06	0.08371
4526	489363.09	3858877.25	1.57589	1.76264	1.13535	2.27205	2.96E-03	0.00015	0.02466	2.5E-06	0.02777	3.63E-03	0.000189	0.030366	1.42E-06	3.42E-02	0.0032	0.000146	0.057824	1.47E-06	0.061171
4527	489863.09	3858877.25	1.18647	1.64737	1.01438	1.77785	2.23E-03	0.00014	0.02203	2E-06	0.0244	2.73E-03	0.000177	0.02713	1.11E-06	3.00E-02	0.002409	0.000136	0.051663	1.15E-06	0.054209
4528	490363.09	3858877.25	1.09256	1.7757	1.19024	1.81059	2.05E-03	0.00016	0.02585	2E-06	0.02806	2.52E-03	0.000191	0.031834	1.13E-06	3.45E-02	0.002218	0.000147	0.06062	1.17E-06	0.062986
4529	490863.09	3858877.25	0.94704	1.47193	1.12675	1.34763	1.78E-03	0.00013	0.02447	1.5E-06	0.02638	2.18E-03	0.000158	0.030136	8.43E-07	3.25E-02	0.001923	0.000122	0.057386	8.71E-07	0.059431
4530	491363.09	3858877.25	0.91795	1.16716	1.13181	0.69566	1.73E-03	0.0001	0.02458	7.8E-07	0.02641	2.11E-03	0.000125	0.030271	4.35E-07	3.25E-02	0.001864	9.65E-05	0.057644	4.49E-07	0.059604
4531	491863.09	3858877.25	0.59314	0.7066	0.72679	0.3332	1.11E-03	6.2E-05	0.01578	3.7E-07	0.01696	1.37E-03	7.6E-05	0.019438	2.08E-07	2.09E-02	0.001204	5.84E-05	0.037016	2.15E-07	0.038279
4532	492363.09	3858877.25	0.61357	0.85473	0.74506	0.44001	1.15E-03	7.5E-05	0.01618	4.9E-07	0.01741	1.41E-03	9.19E-05	0.019927	2.75E-07	2.14E-02	0.001246	7.07E-05	0.037946	2.84E-07	0.039263
4533	492863.09	3858877.25	0.6433	0.88843	0.69371	0.55717	1.21E-03	7.8E-05	0.01506	6.2E-07	0.01635	1.48E-03	9.55E-05	0.018554	3.48E-07	2.01E-02	0.001306	7.35E-05	0.035331	3.6E-07	0.036711
4534	493363.09	3858877.25	0.53516	0.74868	0.59996	0.42158	1.01E-03	6.6E-05	0.01303	4.7E-07	0.0141	1.23E-03	8.05E-05	0.016046	2.64E-07	1.74E-02	0.001087	6.19E-05	0.030556	2.72E-07	0.031705
4535	493863.09	3858877.25	0.41542	0.6018	0.47183	0.29216	7.81E-04	5.3E-05	0.01025	3.3E-07	0.01108	9.57E-04	6.47E-05	0.012619	1.83E-07	1.36E-02	0.000843	4.98E-05	0.024031	1.89E-07	0.024924
4536	494363.09	3858877.25	0.3404	0.4875	0.4347	0.24874	6.40E-04	4.3E-05	0.00944	2.8E-07	0.01012	7.84E-04	5.24E-05	0.011626	1.56E-07	1.25E-02	0.000691	4.03E-05	0.02214	1.61E-07	0.022871
4537	494863.09	3858877.25	0.2945	0.39609	0.36131	0.22528	5.53E-04	3.5E-05	0.00785	2.5E-07	0.00843	6.78E-04	4.26E-05	0.009663	1.41E-07	1.04E-02	0.000598	3.28E-05	0.018402	1.46E-07	0.019033
4538	495363.09	3858877.25	0.24329	0.3164	0.29684	0.19886	4.57E-04	2.8E-05	0.00645	2.2E-07	0.00693	5.60E-04	3.4E-05	0.007939	1.24E-07	8.53E-03	0.000494	2.62E-05	0.015118	1.28E-07	0.015638
4539	495863.09	3858877.25	0.23034	0.28631	0.27016	0.18825	4.33E-04	2.5E-05	0.00587	2.1E-07	0.00632	5.30E-04	3.08E-05	0.007226	1.18E-07	7.79E-03	0.000468	2.37E-05	0.013759	1.22E-07	0.014251
4540	496363.09	3858877.25	0.22509	0.28473	0.25641	0.18315	4.23E-04	2.5E-05	0.00557	2E-07	0.00602	5.18E-04	3.06E-05	0.006858	1.15E-07	7.41E-03	0.000457	2.35E-05	0.013059	1.18E-07	0.01354
4541	496863.09	3858877.25	0.21746	0.29389	0.24347	0.18409	4.09E-04	2.6E-05	0.00529	2.1E-07	0.00572	5.01E-04	3.16E-05	0.006512	1.15E-07	7.04E-03	0.000442	2.43E-05	0.0124	1.19E-07	0.012866
4542	497363.09	3858877.25	0.20798	0.3214	0.24095	0.18794	3.91E-04	2.8E-05	0.00523	2.1E-07	0.00565	4.79E-04	3.46E-05	0.006444	1.18E-07	6.96E-03	0.000422	2.66E-05	0.012272	1.21E-07	0.012721
4543	497863.09	3858877.25	0.28958	0.40799	0.34323	0.23148	5.44E-04	3.6E-05	0.00745	2.6E-07	0.00803	6.67E-04	4.39E-05	0.00918	1.45E-07	9.89E-03	0.000588	3.37E-05	0.017481	1.5E-07	0.018103
4544	498363.09	3858877.25	0.33515	0.45769	0.39245	0.28494	6.30E-04	4E-05	0.00852	3.2E-07	0.00919	7.72E-04	4.92E-05	0.010496	1.78E-07	1.13E-02	0.00068	3.79E-05	0.019988	1.84E-07	0.020706
4545	471363.09	3859377.25	0.14826	0.24971	0.17148	0.15523	2.79E-04	2.2E-05	0.00372	1.7E-07	0.00402	3.41E-04	2.68E-05	0.004586	9.71E-08	4.95E-03	0.000301	2.07E-05	0.008734	1E-07	0.009055
4546	471863.09	3859377.25	0.1583	0.28629	0.18087	0.15614	2.97E-04	2.5E-05	0.00393	1.7E-07	0.00425	3.65E-04	3.08E-05	0.004837	9.77E-08	5.23E-03	0.000321	2.37E-05	0.009212	1.01E-07	0.009557
4547	472363.09	3859377.25	0.16875	0.27894	0.18748	0.1651	3.17E-04	2.4E-05	0.00407	1.8E-07	0.00441	3.89E-04	3E-05	0.005014	1.03E-07	5.43E-03	0.000343	2.31E-05	0.009548	1.07E-07	0.009914
4548	472863.09	3859377.25	0.17772	0.29069	0.20339	0.16934	3.34E-04	2.6E-05	0.00442	1.9E-07	0.00478	4.09E-04	3.12E-05	0.00544	1.06E-07	5.88E-03	0.000361	2.4E-05	0.010359	1.09E-07	0.010744
4549	473363.09	3859377.25	0.19866	0.29449	0.22556	0.18238	3.73E-04	2.6E-05	0.0049	2E-07	0.0053	4.57E-04	3.17E-05	0.006033	1.14E-07	6.52E-03	0.000403	2.44E-05	0.011488	1.18E-07	0.011916
4550	473863.09	3859377.25	0.20548	0.28152	0.2383	0.18536	3.86E-04	2.5E-05	0.00517	2.1E-07	0.00559	4.73E-04	3.03E-05	0.006373	1.16E-07	6.88E-03	0.000417	2.33E-05	0.012137	1.2E-07	0.012577
4551	474363.09	3859377.25	0.20522	0.28844	0.23395	0.15225	3.86E-04	2.5E-05	0.00508	1.7E-07	0.00549	4.73E-04	3.1E-05	0.006257	9.52E-08	6.76E-03	0.000417	2.39E-05	0.011915	9.83E-08	0.012356
4552	474863.09	3859377.25	0.17483	0.2351	0.18958	0.10613	3.29E-04	2.1E-05	0.00412	1.2E-07	0.00447	4.03E-04	2.53E-05	0.00507	6.64E-08	5.50E-03	0.000355	1.94E-05	0.009655	6.86E-08	0.01003
4553	475363.09	3859377.25	0.09712	0.14099	0.11891	0.07307	1.83E-04	1.2E-05	0.00258	8.2E-08	0.00278	2.24E-04	1.52E-05	0.00318	4.57E-08	3.42E-03	0.000197	1.17E-05	0.006056	4.72E-08	0.006265
4554	475863.09	3859377.25	0.05725	0.09186	0.06933	0.05454	1.08E-04	8.1E-06	0.00151	6.1E-08	0.00162	1.32E-04	9.88E-06	0.001854	3.41E-08	2.00E-03	0.000116	7.6E-06	0.003531	3.52E-08	0.003655
4555	476363.09	3859377.25	0.05337	0.09133	0.06746	0.04954	1.00E-04	8E-06	0.00146	5.5E-08	0.00157	1.23E-04	9.82E-06	0.001804	3.1E-08	1.94E-03	0.000108	7.55E-06	0.003436	3.2E-08	0.003552
4556	476863.09	3859377.25	0.04276	0.06805	0.0547	0.04528	8.04E-05	6E-06	0.00119	5.1E-08	0.00127	9.85E-05	7.32E-06	0.001463	2.83E-08	1.57E-03	8.68E-05	5.63E-06	0.002786	2.92E-08	0.002878
4557	477363.09	3859377.25	0.0464	0.06891	0.05738	0.04778	8.72E-05	6E-06	0.00125	5.3E-08	0.00134	1.07E-04	7.41E-06	0.001535	2.99E-08	1.65E-03	9.42E-05	5.7E-06	0.002922	3.09E-08	0.003022
4558	477863.09	3859377.25	0.10426	0.12699	0.11725	0.07114	1.96E-04	1.1E-05	0.00255	7.9E-08	0.00275	2.40E-04	1.37E-05	0.003136	4.45E-08	3.39E-03	0.000212	1.05E-05	0.005972	4.6E-08	0.006194
4559	478363.09	3859377.25	0.17359	0.26551	0.20806	0.10406	3.26E-04	2.3E-05	0.00452	1.2E-07	0.00487	4.00E-04	2.85E-05	0.005565	6.51E-08	5.99E-03	0.000352	2.2E-05	0.010597	6.72E-08	0.010971
4560	478863.09	3859377.25	0.27155	0.43139	0.35389	0.16059	5.10E-04	3.8E-05	0.00769	1.8E-07	0.00823	6.25E-04	4.64E-05	0.009465	1E-07	1.01E-02	0.000551	3.57E-05	0.018024	1.04E-07	0.018611
4561	479363.09	3859377.25	0.38418	0.58128	0.45711	0.2719	7.22E-04	5.1E-05	0.00993	3E-07	0.0107	8.85E-04	6.25E-05	0.012226	1.7E-07	1.32E-02	0.00078	4.81E-05	0.023281	1.76E-07	0.024109
4562	479863.09	3859377.25	0.45244	0.60947	0.51367	0.37253	8.50E-04	5.3E-05	0.01115	4.2E-07	0.01206	1.04E-03	6.55E-05	0.013738	2.33E-07	1.48E-02	0.000919	5.04E-05	0.026162	2.41E-07	0.027131
4563	480363.09	3859377.25	0.46322	0.65697	0.55537	0.47687	8.70E-04	5.8E-05	0.01206	5.3E-07	0.01299	1.07E-03	7.06E-05	0.014854	2.98E-07	1.60E-02	0.000941	5.43E-05	0.028285	3.08E-07	0.02928
4564	480863.09	3859377.25	0.53753	0.75557	0.58801	0.54471	1.01E-03	6.6E-05	0.01277	6.1E-07	0.01385	1.24E-03	8.12E-05	0.015727	3.41E-07	1.70E-02	0.001091	6.25E-05	0.029948	3.52E-07	0.031102
4565	481363.09	3859377.25	0.55172	0.7626	0.63835	0.61633	1.04E-03	6.7E-05	0.01386	6.9E-07	0.01497	1.27E-03	8.2E-05	0.017073	3.85E-07	1.84E-02	0.00112	6.31E-05	0.032512	3.98E-07	0.033695
4566	481863.09	3859377.25	0.57668	0.83506	0.69338	0.70635	1.08E-03	7.3E-05	0.01506	7.9E-07	0.01622	1.33E-03	8.98E-05	0.018545	4.42E-07	2.00E-02	0.001171	6.91E-05	0.035314	4.56E-07	0.036555
4567	482363.09	3859377.25	0.60576	0.94068	0.70859	0.74319	1.14E-03	8.3E-05	0.01539	8.3E-07	0.01661	1.39E-03	0.000101	0.018952	4.65E-07	2.04E-02	0.00123	7.78E-05	0.036089	4.8E-07	0.037397
4568	482863.09	3859377.25	0.67954	1.02386	0.76507	0.78205	1.28E-03	9E-05	0.01661	8.7E-07	0.01798	1.56E-03	0.00011	0.020462	4.89E-07	2.21E-02	0.00138	8.47E-05	0.038965	5.05E-07	0.04043
4569	483363.09	3859377.25	0.68296	1.00377	0.7697	0.82462	1.28E-03	8.8E-05	0.01671	9.2E-07	0.01809	1.57E-03	0.000108	0.020586	5.16E-07	2.23E-02	0.001387	8.3E-05	0.039201	5.33E-07	0.040671
4570	483863.09	3859377.25	0.6399	0.90494	0.71896	0.95157	1.20E-03	7.9E-05	0.01561	1.1E-06	0.0169	1.47E-03	9.73E-05	0.019229	5.95E-07	2.08E-02	0.001299	7.48E-05	0.036617	6.15E-07	0.037992
4571	484363.09	3859377.25	0.63007	1.14406	0.66305	0.98532	1.18E-03	0.0001	0.0144	1.1E-06	0.01568	1.45E-03	0.000123	0.017734	6.16E-07	1.93E-02	0.001279	9.46E-05	0.03377	6.36E-07	0.035144

4572	484863.09	3859377.25	0.64775	1.2652	0.65999	1.06824	1.22E-03	0.00011	0.01433	1.2E-06	0.01566	1.49E-03	0.000136	0.017652	6.68E-07	1.93E-02	0.001315	0.000105	0.033614	6.9E-07	0.035034
4573	485363.09	3859377.25	0.64108	1.18495	0.64278	1.12127	1.20E-03	0.0001	0.01396	1.3E-06	0.01527	1.48E-03	0.000127	0.017192	7.01E-07	1.88E-02	0.001302	9.8E-05	0.032737	7.24E-07	0.034138
4574	485863.09	3859377.25	0.63878	1.30472	0.63982	1.01717	1.20E-03	0.00011	0.01389	1.1E-06	0.01521	1.47E-03	0.00014	0.017112	6.36E-07	1.87E-02	0.001297	0.000108	0.032586	6.57E-07	0.033992
4575	486363.09	3859377.25	0.70211	1.46853	0.68679	0.99964	1.32E-03	0.00013	0.01491	1.1E-06	0.01636	1.62E-03	0.000158	0.018369	6.25E-07	2.01E-02	0.001426	0.000121	0.034979	6.46E-07	0.036526
4576	486863.09	3859377.25	0.78358	1.36787	0.77629	1.16476	1.47E-03	0.00012	0.01686	1.3E-06	0.01845	1.80E-03	0.000147	0.020762	7.28E-07	2.27E-02	0.001591	0.000113	0.039537	7.52E-07	0.041242
4577	487363.09	3859377.25	0.81175	1.30808	0.8321	1.31544	1.53E-03	0.00011	0.01807	1.5E-06	0.01971	1.87E-03	0.000141	0.022255	8.23E-07	2.43E-02	0.001648	0.000108	0.042379	8.5E-07	0.044137
4578	487863.09	3859377.25	0.91588	1.437	0.93577	1.50713	1.72E-03	0.00013	0.02032	1.7E-06	0.02217	2.11E-03	0.000154	0.025028	9.43E-07	2.73E-02	0.00186	0.000119	0.047659	9.74E-07	0.049639
4579	488363.09	3859377.25	1.02109	1.51005	0.98828	1.67851	1.92E-03	0.00013	0.02146	1.9E-06	0.02351	2.35E-03	0.000162	0.026432	1.05E-06	2.89E-02	0.002073	0.000125	0.050334	1.08E-06	0.052533
4580	488863.09	3859377.25	1.28883	1.55879	1.08796	1.86659	2.42E-03	0.00014	0.02363	2.1E-06	0.02619	2.97E-03	0.000168	0.029098	1.17E-06	3.22E-02	0.002617	0.000129	0.05541	1.21E-06	0.058157
4581	489363.09	3859377.25	1.48711	1.537	1.18466	2.09792	2.79E-03	0.00013	0.02573	2.3E-06	0.02866	3.42E-03	0.000165	0.031685	1.31E-06	3.53E-02	0.003019	0.000127	0.060335	1.36E-06	0.063483
4582	489863.09	3859377.25	1.08358	1.26062	0.9154	1.57577	2.04E-03	0.00011	0.01988	1.8E-06	0.02203	2.50E-03	0.000136	0.024483	9.86E-07	2.71E-02	0.0022	0.000104	0.046622	1.02E-06	0.048927
4583	490363.09	3859377.25	0.8415	1.10023	0.89755	1.38163	1.58E-03	9.7E-05	0.01949	1.5E-06	0.02117	1.94E-03	0.000118	0.024006	8.64E-07	2.61E-02	0.001709	9.1E-05	0.045713	8.92E-07	0.047513
4584	490863.09	3859377.25	0.75536	1.20879	0.81402	1.16809	1.42E-03	0.00011	0.01768	1.3E-06	0.0192	1.74E-03	0.00013	0.021772	7.31E-07	2.36E-02	0.001534	1E-04	0.041459	7.55E-07	0.043093
4585	491363.09	3859377.25	0.72623	1.24524	0.96785	0.6743	1.36E-03	0.00011	0.02102	7.5E-07	0.02249	1.67E-03	0.000134	0.025886	4.22E-07	2.77E-02	0.001475	0.000103	0.049293	4.36E-07	0.050871
4586	491863.09	3859377.25	0.78162	1.0883	0.91503	0.95351	1.47E-03	9.5E-05	0.01987	1.1E-06	0.02144	1.80E-03	0.000117	0.024473	5.96E-07	2.64E-02	0.001587	9E-05	0.046603	6.16E-07	0.048281
4587	492363.09	3859377.25	0.7214	0.99474	0.8781	0.84559	1.36E-03	8.7E-05	0.01907	9.4E-07	0.02051	1.66E-03	0.000107	0.023485	5.29E-07	2.53E-02	0.001465	8.23E-05	0.044722	5.46E-07	0.04627
4588	492863.09	3859377.25	0.62018	0.78201	0.73879	0.68839	1.17E-03	6.9E-05	0.01604	7.7E-07	0.01728	1.43E-03	8.41E-05	0.019759	4.31E-07	2.13E-02	0.001259	6.47E-05	0.037627	4.45E-07	0.038951
4589	493363.09	3859377.25	0.61275	0.71932	0.68241	0.53897	1.15E-03	6.3E-05	0.01482	6E-07	0.01603	1.41E-03	7.73E-05	0.018252	3.37E-07	1.97E-02	0.001244	5.95E-05	0.034756	3.48E-07	0.036059
4590	493863.09	3859377.25	0.52649	0.72428	0.599	0.50183	9.89E-04	6.4E-05	0.01301	5.6E-07	0.01406	1.21E-03	7.79E-05	0.016021	3.14E-07	1.73E-02	0.001069	5.99E-05	0.030507	3.24E-07	0.031637
4591	494363.09	3859377.25	0.49697	0.6524	0.52863	0.43032	9.34E-04	5.7E-05	0.01148	4.8E-07	0.01247	1.14E-03	7.01E-05	0.014139	2.69E-07	1.54E-02	0.001009	5.4E-05	0.026923	2.78E-07	0.027987
4592	494863.09	3859377.25	0.39429	0.52786	0.46633	0.29766	7.41E-04	4.6E-05	0.01013	3.3E-07	0.01091	9.08E-04	5.67E-05	0.012472	1.86E-07	1.34E-02	0.000801	4.37E-05	0.02375	1.92E-07	0.024595
4593	495363.09	3859377.25	0.3687	0.52991	0.45078	0.29904	6.93E-04	4.6E-05	0.00979	3.3E-07	0.01053	8.49E-04	5.7E-05	0.012056	1.87E-07	1.30E-02	0.000749	4.38E-05	0.022958	1.93E-07	0.023751
4594	495863.09	3859377.25	0.325	0.44728	0.43646	0.25972	6.11E-04	3.9E-05	0.00948	2.9E-07	0.01013	7.48E-04	4.81E-05	0.011673	1.62E-07	1.25E-02	0.00066	3.7E-05	0.022229	1.68E-07	0.022926
4595	496363.09	3859377.25	0.32588	0.45919	0.43304	0.2615	6.12E-04	4E-05	0.0094	2.9E-07	0.01006	7.50E-04	4.94E-05	0.011582	1.64E-07	1.24E-02	0.000662	3.8E-05	0.022055	1.69E-07	0.022755
4596	496863.09	3859377.25	0.29126	0.39698	0.36952	0.21868	5.47E-04	3.5E-05	0.00802	2.4E-07	0.00861	6.71E-04	4.27E-05	0.009883	1.37E-07	1.06E-02	0.000591	3.28E-05	0.01882	1.41E-07	0.019444
4597	497363.09	3859377.25	0.31001	0.40424	0.37173	0.23193	5.83E-04	3.5E-05	0.00807	2.6E-07	0.00869	7.14E-04	4.35E-05	0.009942	1.45E-07	1.07E-02	0.000629	3.34E-05	0.018932	1.5E-07	0.019595
4598	497863.09	3859377.25	0.32088	0.39934	0.37887	0.33323	6.03E-04	3.5E-05	0.00823	3.7E-07	0.00887	7.39E-04	4.29E-05	0.010133	2.08E-07	1.09E-02	0.000652	3.3E-05	0.019296	2.15E-07	0.019981
4599	498363.09	3859377.25	0.33981	0.39923	0.37476	0.39465	6.39E-04	3.5E-05	0.00814	4.4E-07	0.00881	7.83E-04	4.29E-05	0.010023	2.47E-07	1.08E-02	0.00069	3.3E-05	0.019087	2.55E-07	0.01981
4600	471363.09	3859877.25	0.1561	0.23729	0.18118	0.14201	2.93E-04	2.1E-05	0.00393	1.6E-07	0.00425	3.59E-04	2.55E-05	0.004846	8.88E-08	5.23E-03	0.000317	1.96E-05	0.009228	9.17E-08	0.009564
4601	471863.09	3859877.25	0.16343	0.26509	0.19511	0.14769	3.07E-04	2.3E-05	0.00424	1.7E-07	0.00457	3.76E-04	2.85E-05	0.005218	9.24E-08	5.62E-03	0.000332	2.19E-05	0.009937	9.54E-08	0.010291
4602	472363.09	3859877.25	0.1798	0.24609	0.21314	0.16098	3.38E-04	2.2E-05	0.00463	1.8E-07	0.00499	4.14E-04	2.65E-05	0.005701	1.01E-07	6.14E-03	0.000365	2.04E-05	0.010855	1.04E-07	0.011241
4603	472863.09	3859877.25	0.19188	0.27866	0.22608	0.18044	3.61E-04	2.4E-05	0.00491	2E-07	0.00529	4.42E-04	3E-05	0.006047	1.13E-07	6.52E-03	0.00039	2.3E-05	0.011514	1.17E-07	0.011927
4604	473363.09	3859877.25	0.19496	0.29366	0.23643	0.19584	3.66E-04	2.6E-05	0.00513	2.2E-07	0.00553	4.49E-04	3.16E-05	0.006323	1.22E-07	6.80E-03	0.000396	2.43E-05	0.012042	1.27E-07	0.012462
4605	473863.09	3859877.25	0.19869	0.33955	0.24378	0.20376	3.73E-04	3E-05	0.00529	2.3E-07	0.0057	4.58E-04	3.65E-05	0.00652	1.27E-07	7.01E-03	0.000403	2.81E-05	0.012416	1.32E-07	0.012847
4606	474363.09	3859877.25	0.2116	0.37381	0.2653	0.16749	3.98E-04	3.3E-05	0.00576	1.9E-07	0.00619	4.87E-04	4.02E-05	0.007096	1.05E-07	7.62E-03	0.00043	3.09E-05	0.013512	1.08E-07	0.013973
4607	474863.09	3859877.25	0.20397	0.32947	0.23192	0.12485	3.83E-04	2.9E-05	0.00504	1.4E-07	0.00545	4.70E-04	3.54E-05	0.006203	7.81E-08	6.71E-03	0.000414	2.72E-05	0.011812	8.06E-08	0.012253
4608	475363.09	3859877.25	0.12187	0.18186	0.14289	0.07956	2.29E-04	1.6E-05	0.0031	8.9E-08	0.00335	2.81E-04	1.96E-05	0.003822	4.98E-08	4.12E-03	0.000247	1.5E-05	0.007277	5.14E-08	0.00754
4609	475863.09	3859877.25	0.06021	0.10113	0.06711	0.05248	1.13E-04	8.9E-06	0.00146	5.9E-08	0.00158	1.39E-04	1.09E-05	0.001795	3.28E-08	1.94E-03	0.000122	8.36E-06	0.003418	3.39E-08	0.003549
4610	476363.09	3859877.25	0.03769	0.0616	0.04483	0.04104	7.08E-05	5.4E-06	0.00097	4.6E-08	0.00105	8.68E-05	6.62E-06	0.001199	2.57E-08	1.29E-03	7.65E-05	5.09E-06	0.002283	2.65E-08	0.002365
4611	476863.09	3859877.25	0.0434	0.07053	0.05306	0.04415	8.16E-05	6.2E-06	0.00115	4.9E-08	0.00124	9.99E-05	7.58E-06	0.001419	2.76E-08	1.53E-03	8.81E-05	5.83E-06	0.002702	2.85E-08	0.002796
4612	477363.09	3859877.25	0.04921	0.07731	0.05863	0.04866	9.25E-05	6.8E-06	0.00127	5.4E-08	0.00137	1.13E-04	8.31E-06	0.001568	3.04E-08	1.69E-03	9.99E-05	6.39E-06	0.002986	3.14E-08	0.003092
4613	477863.09	3859877.25	0.09201	0.1119	0.11353	0.07019	1.73E-04	9.8E-06	0.00247	7.8E-08	0.00265	2.12E-04	1.2E-05	0.003036	4.39E-08	3.26E-03	0.000187	9.25E-06	0.005782	4.53E-08	0.005978
4614	478363.09	3859877.25	0.17147	0.26802	0.20461	0.11304	3.22E-04	2.4E-05	0.00444	1.3E-07	0.00479	3.95E-04	2.88E-05	0.005472	7.07E-08	5.90E-03	0.000348	2.22E-05	0.010421	7.3E-08	0.010791
4615	478863.09	3859877.25	0.27641	0.46976	0.34264	0.17301	5.19E-04	4.1E-05	0.00744	1.9E-07	0.008	6.37E-04	5.05E-05	0.009164	1.08E-07	9.85E-03	0.000561	3.88E-05	0.017451	1.12E-07	0.018051
4616	479363.09	3859877.25	0.35385	0.48803	0.44071	0.28468	6.65E-04	4.3E-05	0.00957	3.2E-07	0.01028	8.15E-04	5.25E-05	0.011787	1.78E-07	1.27E-02	0.000718	4.04E-05	0.022446	1.84E-07	0.023205
4617	479863.09	3859877.25	0.41991	0.58668	0.45627	0.39251	7.89E-04	5.1E-05	0.00991	4.4E-07	0.01075	9.67E-04	6.31E-05	0.012203	2.45E-07	1.32E-02	0.000853	4.85E-05	0.023238	2.54E-07	0.024139
4618	480363.09	3859877.25	0.44448	0.7554	0.51694	0.45027	8.35E-04	6.6E-05	0.01123	5E-07	0.01213	1.02E-03	8.12E-05	0.013826	2.82E-07	1.49E-02	0.000902	6.25E-05	0.026328	2.91E-07	0.027293
4619	480863.09	3859877.25	0.47044	0.74549	0.56127	0.49784	8.84E-04	6.5E-05	0.01219	5.6E-07	0.01314	1.08E-03	8.01E-05	0.015012	3.11E-07	1.62E-02	0.000955	6.17E-05	0.028586	3.22E-07	0.029603
4620	481363.09	3859877.25	0.48688	0.79093	0.59788	0.5928	9.15E-04	6.9E-05	0.01298	6.6E-07	0.01397	1.12E-03	8.5E-05	0.015991	3.71E-07	1.72E-02	0.000989	6.54E-05	0.03045	3.83E-07	0.031505
4621	481863.09	3859877.25	0.49952	0.81016	0.58891	0.6207	9.39E-04	7.1E-05	0.01279	6.9E-07	0.0138	1.15E-03	8.71E-05	0.015751	3.88E-07	1.70E-02	0.001014	6.7E-05	0.029994	4.01E-07	0.031075
4622	482363.09	3859877.25	0.53965	0.80181	0.65321	0.64223	1.01E-03	7E-05	0.01419	7.2E-07	0.01527	1.24E-03	8.62E-05	0.017471	4.02E-07	1.88E-02	0.001096	6.63E-05	0.033268	4.15E-07	0.034431
4623	482863.09	3859877.25	0.56325	0.93637	0.63571	0.70103	1.06E-03	8.2E-05	0.01381	7.8E-07	0.01495	1.30E-03	0.000101	0.017002	4.38E-07	1.84E-02	0.001144	7.74E-05	0.032377	4.53E-07	0.033599
4624	483363.09	3859877.25	0.55249	0.82275	0.66039	0.72972	1.04E-03	7.2E-05	0.01434	8.2E-07	0.01545	1.27E-03	8.84E-05	0.017663	4.56E-07	1.90E-02	0.001122	6.8E-05	0.033634	4.71E-07	0.034824
4625	483863.09	3859877.25	0.50936	0.94766	0.58397	0.85884	9.57E-04	8.3E-05	0.01268	9.6E-07	0.01372	1.17E-03	0.000102	0.015619	5.37E-07	1.69E-02	0.001034	7.84E-05	0.029742	5.55E-07	0.030855
4626	484363.09	3859877.25	0.50935	0.89217	0.54544	0.88162	9.57E-04	7.8E-05	0.01184	9.9E-07	0.01288	1.17E-03	9.59E-05	0.014588	5.51E-07	1.59E-02	0.001034	7.38E-05	0.02778	5.69E-07	0.028888
4627	484863.09	3859877.25	0.50972	0.90825	0.54393	0.86103	9.58E-04	8E-05	0.01181	9.6E-07	0.01285	1.17E-03	9.76E-05	0.014548	5.39E-07	1.58E-02	0.001035	7.51E-05	0.027703	5.56E-07	0.028813
4628	485363.09	3859877.25	0.51343	1.05177	0.5194	0.79749	9.65E-04	9.2E-05	0.01128	8.9E-07	0.01234	1.18E-03	0.000113	0.013892	4.99E-07	1.52E-02	0.001042	8.7E-05	0.026453	5.15E-07	0.027583
4629	485863.09	3859877.25	0.53531	1.2502	0.51795	0.78554	1.01E-03	0.00011	0.01125	8.8E-07	0.01236	1.23E-03	0.000134	0.013853	4.91E-07	1.52E-02	0.001087	0.000103	0.026379	5.07E-07	0.02757
4630	486363.09	3859877.25	0.54495	1.01603	0.54146	0.82496	1.02E-03	8.9E-05	0.01176	9.2E-07	0.01287	1.25E-03	0.000109	0.014482	5.16E-07	1.58E-02	0.001106	8.4E-05	0.027577	5.33E-07	0.028768
4631	486863.09	3859877.25	0.6136	1.04923	0.59683	0.95474	1.15E-03	9.2E-05	0.01296	1.1E-06	0.01421	1.41E-03	0.000113	0.015963	5.97E-07	1.75E-02	0.001246	8.68E-05	0.030397	6.17E-07	0.03173
4632	487363.09	3859877.25	0.61146	0.97885	0.68079	0.95315	1.15E-03	8.6E-05	0.01478	1.1E-06	0.01602	1.41E-03	0.000105	0.018208	5.96E-07	1.97E-02	0.001241	8.09E-05	0.034673	6.16E-07	0.035996

4633	487863.09	3859877.25	0.707	1.22084	0.67709	1.14274	1.33E-03	0.00011	0.0147	1.3E-06	0.01614	1.63E-03	0.000131	0.018109	7.15E-07	1.99E-02	0.001435	0.000101	0.034485	7.38E-07	0.036022
4634	488363.09	3859877.25	0.78235	1.0723	0.78434	1.21772	1.47E-03	9.4E-05	0.01703	1.4E-06	0.0186	1.80E-03	0.000115	0.020978	7.62E-07	2.29E-02	0.001588	8.87E-05	0.039947	7.87E-07	0.041625
4635	488863.09	3859877.25	0.84951	1.14963	0.82578	1.35494	1.60E-03	0.0001	0.01793	1.5E-06	0.01963	1.96E-03	0.000124	0.022086	8.47E-07	2.42E-02	0.001725	9.51E-05	0.042057	8.75E-07	0.043878
4636	489363.09	3859877.25	0.97007	1.17684	0.86231	1.49814	1.82E-03	0.0001	0.01873	1.7E-06	0.02065	2.23E-03	0.000127	0.023063	9.37E-07	2.54E-02	0.00197	9.73E-05	0.043918	9.68E-07	0.045986
4637	489863.09	3859877.25	1.0769	1.22222	0.90954	1.45765	2.02E-03	0.00011	0.01975	1.6E-06	0.02188	2.48E-03	0.000131	0.024326	9.12E-07	2.69E-02	0.002187	0.000101	0.046323	9.42E-07	0.048612
4638	490363.09	3859877.25	0.76094	1.00819	0.77103	1.28363	1.43E-03	8.8E-05	0.01674	1.4E-06	0.01826	1.75E-03	0.000108	0.020622	8.03E-07	2.25E-02	0.001545	8.34E-05	0.039269	8.29E-07	0.040898
4639	490863.09	3859877.25	0.68159	0.91427	0.68279	1.10907	1.28E-03	8E-05	0.01483	1.2E-06	0.01619	1.57E-03	9.83E-05	0.018262	6.94E-07	1.99E-02	0.001384	7.56E-05	0.034775	7.16E-07	0.036235
4640	491363.09	3859877.25	0.61137	0.81739	0.59234	0.98959	1.15E-03	7.2E-05	0.01286	1.1E-06	0.01408	1.41E-03	8.79E-05	0.015843	6.19E-07	1.73E-02	0.001241	6.76E-05	0.030168	6.39E-07	0.031478
4641	491863.09	3859877.25	0.57919	0.89237	0.6509	1.01801	1.09E-03	7.8E-05	0.01413	1.1E-06	0.0153	1.33E-03	9.59E-05	0.017409	6.37E-07	1.88E-02	0.001176	7.38E-05	0.033151	6.58E-07	0.034401
4642	492363.09	3859877.25	0.63205	0.96615	0.68893	1.06151	1.19E-03	8.5E-05	0.01496	1.2E-06	0.01623	1.46E-03	0.000104	0.018426	6.64E-07	2.00E-02	0.001283	7.99E-05	0.035088	6.86E-07	0.036451
4643	492863.09	3859877.25	0.60926	0.8149	0.677	0.91972	1.14E-03	7.1E-05	0.0147	1E-06	0.01592	1.40E-03	8.76E-05	0.018107	5.75E-07	1.96E-02	0.001237	6.74E-05	0.03448	5.94E-07	0.035785
4644	493363.09	3859877.25	0.57852	0.77685	0.6531	0.81144	1.09E-03	6.8E-05	0.01418	9.1E-07	0.01534	1.33E-03	8.35E-05	0.017468	5.08E-07	1.89E-02	0.001175	6.42E-05	0.033263	5.24E-07	0.034502
4645	493863.09	3859877.25	0.50706	0.64237	0.58591	0.65697	9.53E-04	5.6E-05	0.01272	7.3E-07	0.01373	1.17E-03	6.91E-05	0.015671	4.11E-07	1.69E-02	0.00103	5.31E-05	0.029841	4.24E-07	0.030924
4646	494363.09	3859877.25	0.47201	0.57145	0.58837	0.56982	8.87E-04	5E-05	0.01278	6.4E-07	0.01371	1.09E-03	6.14E-05	0.015736	3.56E-07	1.69E-02	0.000958	4.73E-05	0.029966	3.68E-07	0.030972
4647	494863.09	3859877.25	0.42673	0.52348	0.51448	0.51467	8.02E-04	4.6E-05	0.01117	5.8E-07	0.01202	9.83E-04	5.63E-05	0.01376	3.22E-07	1.48E-02	0.000866	4.33E-05	0.026203	3.32E-07	0.027113
4648	495363.09	3859877.25	0.42315	0.53848	0.48866	0.43933	7.95E-04	4.7E-05	0.01061	4.9E-07	0.01145	9.74E-04	5.79E-05	0.01307	2.75E-07	1.41E-02	0.000859	4.45E-05	0.024888	2.84E-07	0.025792
4649	495863.09	3859877.25	0.38012	0.49901	0.44185	0.389	7.14E-04	4.4E-05	0.0096	4.3E-07	0.01035	8.75E-04	5.36E-05	0.011818	2.43E-07	1.27E-02	0.000772	4.13E-05	0.022504	2.51E-07	0.023317
4650	496363.09	3859877.25	0.34652	0.47233	0.40575	0.31749	6.51E-04	4.1E-05	0.00881	3.5E-07	0.0095	7.98E-04	5.08E-05	0.010852	1.99E-07	1.17E-02	0.000704	3.91E-05	0.020665	2.05E-07	0.021408
4651	496863.09	3859877.25	0.23599	0.30461	0.29472	0.17697	4.43E-04	2.7E-05	0.0064	2E-07	0.00687	5.43E-04	3.27E-05	0.007882	1.11E-07	8.46E-03	0.000479	2.52E-05	0.01501	1.14E-07	0.015515
4652	497363.09	3859877.25	0.30618	0.40781	0.39975	0.28518	5.75E-04	3.6E-05	0.00868	3.2E-07	0.00929	7.05E-04	4.38E-05	0.010692	1.78E-07	1.14E-02	0.000622	3.37E-05	0.020359	1.84E-07	0.021015
4653	497863.09	3859877.25	0.32806	0.41465	0.40291	0.37267	6.16E-04	3.6E-05	0.00875	4.2E-07	0.0094	7.55E-04	4.46E-05	0.010776	2.33E-07	1.16E-02	0.000666	3.43E-05	0.02052	2.41E-07	0.021221
4654	498363.09	3859877.25	0.29296	0.35268	0.3338	0.40584	5.51E-04	3.1E-05	0.00725	4.5E-07	0.00783	6.75E-04	3.79E-05	0.008928	2.54E-07	9.64E-03	0.000595	2.92E-05	0.017001	2.62E-07	0.017625
4655	471363.09	3860377.25	0.16209	0.23625	0.20448	0.16311	3.05E-04	2.1E-05	0.00444	1.8E-07	0.00477	3.73E-04	2.54E-05	0.005469	1.02E-07	5.87E-03	0.000329	1.95E-05	0.010414	1.05E-07	0.010763
4656	471863.09	3860377.25	0.17692	0.24235	0.21483	0.17721	3.32E-04	2.1E-05	0.00467	2E-07	0.00502	4.07E-04	2.61E-05	0.005746	1.11E-07	6.18E-03	0.000359	2E-05	0.010941	1.14E-07	0.011321
4657	472363.09	3860377.25	0.17797	0.2726	0.22156	0.18983	3.34E-04	2.4E-05	0.00481	2.1E-07	0.00517	4.10E-04	2.93E-05	0.005926	1.19E-07	6.37E-03	0.000361	2.25E-05	0.011284	1.23E-07	0.011668
4658	472863.09	3860377.25	0.1764	0.31793	0.22372	0.19909	3.31E-04	2.8E-05	0.00486	2.2E-07	0.00522	4.06E-04	3.42E-05	0.005984	1.25E-07	6.42E-03	0.000358	2.63E-05	0.011394	1.29E-07	0.011779
4659	473363.09	3860377.25	0.18371	0.31472	0.23844	0.21574	3.45E-04	2.8E-05	0.00518	2.4E-07	0.00555	4.23E-04	3.38E-05	0.006377	1.35E-07	6.83E-03	0.000373	2.6E-05	0.012144	1.39E-07	0.012543
4660	473863.09	3860377.25	0.19773	0.27065	0.24334	0.22082	3.72E-04	2.4E-05	0.00528	2.5E-07	0.00568	4.55E-04	2.91E-05	0.006508	1.38E-07	6.99E-03	0.000401	2.24E-05	0.012393	1.43E-07	0.012817
4661	474363.09	3860377.25	0.21358	0.29616	0.25455	0.21942	4.01E-04	2.6E-05	0.00553	2.5E-07	0.00596	4.92E-04	3.18E-05	0.006808	1.37E-07	7.33E-03	0.000434	2.45E-05	0.012964	1.42E-07	0.013423
4662	474863.09	3860377.25	0.22362	0.35612	0.26038	0.19927	4.20E-04	3.1E-05	0.00565	2.2E-07	0.00611	5.15E-04	3.83E-05	0.006964	1.25E-07	7.52E-03	0.000454	2.95E-05	0.013261	1.29E-07	0.013745
4663	475363.09	3860377.25	0.21606	0.36646	0.24391	0.15468	4.06E-04	3.2E-05	0.0053	1.7E-07	0.00574	4.98E-04	3.94E-05	0.006524	9.67E-08	7.06E-03	0.000439	3.03E-05	0.012422	9.99E-08	0.012892
4664	475863.09	3860377.25	0.18314	0.29857	0.20708	0.10863	3.44E-04	2.6E-05	0.0045	1.2E-07	0.00487	4.22E-04	3.21E-05	0.005538	6.79E-08	5.99E-03	0.000372	2.47E-05	0.010547	7.02E-08	0.010943
4665	476363.09	3860377.25	0.15508	0.199	0.16101	0.09316	2.91E-04	1.7E-05	0.0035	1E-07	0.00381	3.57E-04	2.14E-05	0.004306	5.83E-08	4.68E-03	0.000315	1.65E-05	0.0082	6.02E-08	0.008532
4666	476863.09	3860377.25	0.12703	0.18901	0.15913	0.0866	2.39E-04	1.7E-05	0.00346	9.7E-08	0.00371	2.93E-04	2.03E-05	0.004256	5.42E-08	4.57E-03	0.000258	1.56E-05	0.008105	5.59E-08	0.008378
4667	477363.09	3860377.25	0.07794	0.10328	0.09249	0.06546	1.46E-04	9.1E-06	0.00201	7.3E-08	0.00216	1.79E-04	1.11E-05	0.002474	4.09E-08	2.66E-03	0.000158	8.54E-06	0.004711	4.23E-08	0.004877
4668	477863.09	3860377.25	0.10073	0.13696	0.11981	0.07771	1.89E-04	1.2E-05	0.0026	8.7E-08	0.0028	2.32E-04	1.47E-05	0.003204	4.86E-08	3.45E-03	0.000205	1.13E-05	0.006102	5.02E-08	0.006318
4669	478363.09	3860377.25	0.19734	0.27412	0.23691	0.11883	3.71E-04	2.4E-05	0.00514	1.3E-07	0.00554	4.54E-04	2.95E-05	0.006336	7.43E-08	6.82E-03	0.000401	2.27E-05	0.012066	7.68E-08	0.012489
4670	478863.09	3860377.25	0.29421	0.40321	0.33386	0.18951	5.53E-04	3.5E-05	0.00725	2.1E-07	0.00784	6.78E-04	4.33E-05	0.008929	1.19E-07	9.65E-03	0.000597	3.33E-05	0.017004	1.22E-07	0.017635
4671	479363.09	3860377.25	0.36649	0.52337	0.40934	0.276	6.89E-04	4.6E-05	0.00889	3.1E-07	0.00962	8.44E-04	5.63E-05	0.010948	1.73E-07	1.18E-02	0.000744	4.33E-05	0.020848	1.78E-07	0.021635
4672	479863.09	3860377.25	0.39885	0.63965	0.47421	0.36087	7.50E-04	5.6E-05	0.0103	4E-07	0.0111	9.18E-04	6.88E-05	0.012683	2.26E-07	1.37E-02	0.00081	5.29E-05	0.024152	2.33E-07	0.025015
4673	480363.09	3860377.25	0.41086	0.63352	0.49875	0.44266	7.72E-04	5.6E-05	0.01083	4.9E-07	0.01166	9.46E-04	6.81E-05	0.013339	2.77E-07	1.44E-02	0.000834	5.24E-05	0.025402	2.86E-07	0.026289
4674	480863.09	3860377.25	0.42578	0.58926	0.51515	0.51138	8.00E-04	5.2E-05	0.01119	5.7E-07	0.01204	9.80E-04	6.33E-05	0.013778	3.2E-07	1.48E-02	0.000864	4.87E-05	0.026237	3.3E-07	0.02715
4675	481363.09	3860377.25	0.43208	0.6374	0.52493	0.54327	8.12E-04	5.6E-05	0.0114	6.1E-07	0.01227	9.95E-04	6.85E-05	0.01404	3.4E-07	1.51E-02	0.000877	5.27E-05	0.026735	3.51E-07	0.027665
4676	481863.09	3860377.25	0.46075	0.66205	0.51817	0.59353	8.66E-04	5.8E-05	0.01125	6.6E-07	0.01218	1.06E-03	7.12E-05	0.013859	3.71E-07	1.50E-02	0.000935	5.48E-05	0.026391	3.83E-07	0.027381
4677	482363.09	3860377.25	0.47904	0.75893	0.54741	0.60152	9.00E-04	6.7E-05	0.01189	6.7E-07	0.01286	1.10E-03	8.16E-05	0.014641	3.76E-07	1.58E-02	0.000973	6.28E-05	0.02788	3.89E-07	0.028916
4678	482863.09	3860377.25	0.46799	0.67384	0.55341	0.65384	8.79E-04	5.9E-05	0.01202	7.3E-07	0.01296	1.08E-03	7.24E-05	0.014801	4.09E-07	1.60E-02	0.00095	5.57E-05	0.028185	4.22E-07	0.029192
4679	483363.09	3860377.25	0.45558	0.75013	0.54317	0.71654	8.56E-04	6.6E-05	0.0118	8E-07	0.01272	1.05E-03	8.06E-05	0.014527	4.48E-07	1.57E-02	0.000925	6.2E-05	0.027664	4.63E-07	0.028651
4680	483863.09	3860377.25	0.46365	0.8258	0.52031	0.76847	8.71E-04	7.2E-05	0.0113	8.6E-07	0.01224	1.07E-03	8.88E-05	0.013916	4.81E-07	1.51E-02	0.000941	6.83E-05	0.0265	4.96E-07	0.02751
4681	484363.09	3860377.25	0.42625	0.73537	0.48649	0.71001	8.01E-04	6.5E-05	0.01056	7.9E-07	0.01143	9.82E-04	7.91E-05	0.013012	4.44E-07	1.41E-02	0.000865	6.08E-05	0.024777	4.59E-07	0.025704
4682	484863.09	3860377.25	0.42863	0.83779	0.47516	0.65828	8.05E-04	7.3E-05	0.01032	7.4E-07	0.0112	9.87E-04	9.01E-05	0.012708	4.12E-07	1.38E-02	0.00087	6.93E-05	0.0242	4.25E-07	0.02514
4683	485363.09	3860377.25	0.41733	0.78598	0.43642	0.63685	7.84E-04	6.9E-05	0.00948	7.1E-07	0.01033	9.61E-04	8.45E-05	0.011672	3.98E-07	1.27E-02	0.000847	6.5E-05	0.022227	4.11E-07	0.02314
4684	485863.09	3860377.25	0.41423	1.06973	0.45037	0.61534	7.78E-04	9.4E-05	0.00978	6.9E-07	0.01065	9.54E-04	0.000115	0.012045	3.85E-07	1.31E-02	0.000841	8.85E-05	0.022938	3.97E-07	0.023868
4685	486363.09	3860377.25	0.439	0.91206	0.47285	0.67015	8.25E-04	8E-05	0.01027	7.5E-07	0.01117	1.01E-03	9.8E-05	0.012647	4.19E-07	1.38E-02	0.000891	7.54E-05	0.024083	4.33E-07	0.02505
4686	486863.09	3860377.25	0.46405	0.78649	0.48896	0.68003	8.72E-04	6.9E-05	0.01062	7.6E-07	0.01156	1.07E-03	8.45E-05	0.013078	4.25E-07	1.42E-02	0.000942	6.5E-05	0.024903	4.39E-07	0.025911
4687	487363.09	3860377.25	0.5042	0.75539	0.56488	0.72581	9.47E-04	6.6E-05	0.01227	8.1E-07	0.01328	1.16E-03	8.12E-05	0.015108	4.54E-07	1.64E-02	0.001024	6.25E-05	0.02877	4.69E-07	0.029856
4688	487863.09	3860377.25	0.55599	0.89944	0.59191	0.91556	1.04E-03	7.9E-05	0.01285	1E-06	0.01398	1.28E-03	9.67E-05	0.015831	5.73E-07	1.72E-02	0.001129	7.44E-05	0.030146	5.91E-07	0.03135
4689	488363.09	3860377.25	0.56987	0.76499	0.57603	0.99369	1.07E-03	6.7E-05	0.01251	1.1E-06	0.01365	1.31E-03	8.22E-05	0.015406	6.21E-07	1.68E-02	0.001157	6.33E-05	0.029338	6.42E-07	0.030558
4690	488863.09	3860377.25	0.6649	0.89371	0.64089	1.04372	1.25E-03	7.8E-05	0.01392	1.2E-06	0.01525	1.53E-03	9.61E-05	0.017141	6.53E-07	1.88E-02	0.00135	7.39E-05	0.032641	6.74E-07	0.034065
4691	489363.09	3860377.25	0.69944	0.8449	0.68331	1.05592	1.31E-03	7.4E-05	0.01484	1.2E-06	0.01623	1.61E-03	9.08E-05	0.018276	6.6E-07	2.00E-02	0.00142	6.99E-05	0.034801	6.82E-07	0.036292
4692	489863.09	3860377.25	0.78235	0.9122	0.68985	1.18477	1.47E-03	8E-05	0.01498	1.3E-06	0.01653	1.80E-03	9.81E-05	0.018451	7.41E-07	2.04E-02	0.001588	7.54E-05	0.035134	7.65E-07	0.036799
4693	490363.09	3860377.25	0.8294	0.93078	0.71181	1.12933	1.56E-03	8.2E-05	0.01546	1.3E-06	0.0171	1.91E-03	0.0001	0.019038	7.06E-07	2.10E-02	0.001684	7.7E-05	0.036253	7.3E-07	0.038015

4694	490863.09	3860377.25	0.64687	0.86797	0.63349	1.1093	1.22E-03	7.6E-05	0.01376	1.2E-06	0.01505	1.49E-03	9.33E-05	0.016943	6.94E-07	1.85E-02	0.001313	7.18E-05	0.032264	7.17E-07	0.03365
4695	491363.09	3860377.25	0.54639	0.69803	0.51786	0.86332	1.03E-03	6.1E-05	0.01125	9.6E-07	0.01233	1.26E-03	7.5E-05	0.013851	5.4E-07	1.52E-02	0.001109	5.77E-05	0.026375	5.58E-07	0.027543
4696	491863.09	3860377.25	0.48691	0.64616	0.54287	0.77826	9.15E-04	5.7E-05	0.01179	8.7E-07	0.01276	1.12E-03	6.95E-05	0.014519	4.87E-07	1.57E-02	0.000989	5.34E-05	0.027649	5.03E-07	0.028691
4697	492363.09	3860377.25	0.47725	0.64102	0.47907	0.7518	8.97E-04	5.6E-05	0.0104	8.4E-07	0.01136	1.10E-03	6.89E-05	0.012813	4.7E-07	1.40E-02	0.000969	5.3E-05	0.024399	4.86E-07	0.025422
4698	492863.09	3860377.25	0.48316	0.6942	0.53398	0.82094	9.08E-04	6.1E-05	0.0116	9.2E-07	0.01257	1.11E-03	7.46E-05	0.014282	5.13E-07	1.55E-02	0.000981	5.74E-05	0.027196	5.3E-07	0.028235
4699	493363.09	3860377.25	0.48294	0.75725	0.5717	0.85555	9.08E-04	6.6E-05	0.01242	9.6E-07	0.01339	1.11E-03	8.14E-05	0.015291	5.35E-07	1.65E-02	0.000981	6.26E-05	0.029117	5.53E-07	0.030161
4700	493863.09	3860377.25	0.47844	0.65188	0.53552	0.80903	8.99E-04	5.7E-05	0.01163	9E-07	0.01259	1.10E-03	7.01E-05	0.014323	5.06E-07	1.55E-02	0.000971	5.39E-05	0.027274	5.23E-07	0.0283
4701	494363.09	3860377.25	0.4777	0.58547	0.52173	0.71516	8.98E-04	5.1E-05	0.01133	8E-07	0.01228	1.10E-03	6.29E-05	0.013954	4.47E-07	1.51E-02	0.00097	4.84E-05	0.026572	4.62E-07	0.027591
4702	494863.09	3860377.25	0.4207	0.551	0.49264	0.61206	7.91E-04	4.8E-05	0.0107	6.8E-07	0.01154	9.69E-04	5.92E-05	0.013176	3.83E-07	1.42E-02	0.000854	4.56E-05	0.02509	3.95E-07	0.025991
4703	495363.09	3860377.25	0.39168	0.47833	0.47987	0.56983	7.36E-04	4.2E-05	0.01042	6.4E-07	0.0112	9.02E-04	5.14E-05	0.012834	3.56E-07	1.38E-02	0.000795	3.96E-05	0.02444	3.68E-07	0.025275
4704	495863.09	3860377.25	0.37098	0.42365	0.42994	0.4783	6.97E-04	3.7E-05	0.00934	5.3E-07	0.01007	8.54E-04	4.55E-05	0.011499	2.99E-07	1.24E-02	0.000753	3.5E-05	0.021897	3.09E-07	0.022686
4705	496363.09	3860377.25	0.3797	0.42605	0.44017	0.36497	7.14E-04	3.7E-05	0.00956	4.1E-07	0.01031	8.74E-04	4.58E-05	0.011773	2.28E-07	1.27E-02	0.000771	3.52E-05	0.022418	2.36E-07	0.023225
4706	496863.09	3860377.25	0.33349	0.44169	0.42125	0.30129	6.27E-04	3.9E-05	0.00915	3.4E-07	0.00981	7.68E-04	4.75E-05	0.011267	1.88E-07	1.21E-02	0.000677	3.65E-05	0.021455	1.95E-07	0.022168
4707	497363.09	3860377.25	0.2884	0.40416	0.36384	0.23844	5.42E-04	3.5E-05	0.0079	2.7E-07	0.00848	6.64E-04	4.34E-05	0.009731	1.49E-07	1.04E-02	0.000586	3.34E-05	0.018531	1.54E-07	0.01915
4708	497863.09	3860377.25	0.29792	0.37981	0.34214	0.35127	5.60E-04	3.3E-05	0.00743	3.9E-07	0.00802	6.86E-04	4.08E-05	0.009151	2.2E-07	9.88E-03	0.000605	3.14E-05	0.017425	2.27E-07	0.018062
4709	498363.09	3860377.25	0.25688	0.34276	0.30867	0.40608	4.83E-04	3E-05	0.0067	4.5E-07	0.00722	5.92E-04	3.68E-05	0.008256	2.54E-07	8.88E-03	0.000522	2.83E-05	0.015721	2.62E-07	0.016271
4710	471363.09	3860877.25	0.15886	0.24716	0.2031	0.18643	2.99E-04	2.2E-05	0.00441	2.1E-07	0.00473	3.66E-04	2.66E-05	0.005432	1.17E-07	5.82E-03	0.000323	2.04E-05	0.010344	1.2E-07	0.010687
4711	471863.09	3860877.25	0.15851	0.2477	0.2024	0.19093	2.98E-04	2.2E-05	0.0044	2.1E-07	0.00472	3.65E-04	2.66E-05	0.005413	1.19E-07	5.81E-03	0.000322	2.05E-05	0.010308	1.23E-07	0.010651
4712	472363.09	3860877.25	0.15857	0.27278	0.21228	0.19474	2.98E-04	2.4E-05	0.00461	2.2E-07	0.00493	3.65E-04	2.93E-05	0.005678	1.22E-07	6.07E-03	0.000322	2.26E-05	0.010812	1.26E-07	0.011156
4713	472863.09	3860877.25	0.17078	0.24063	0.21345	0.2174	3.21E-04	2.1E-05	0.00464	2.4E-07	0.00498	3.93E-04	2.59E-05	0.005709	1.36E-07	6.13E-03	0.000347	1.99E-05	0.010871	1.4E-07	0.011238
4714	473363.09	3860877.25	0.18147	0.25565	0.23288	0.21861	3.41E-04	2.2E-05	0.00506	2.4E-07	0.00542	4.18E-04	2.75E-05	0.006229	1.37E-07	6.67E-03	0.000368	2.11E-05	0.011861	1.41E-07	0.01225
4715	473863.09	3860877.25	0.18962	0.29437	0.22449	0.23068	3.56E-04	2.6E-05	0.00488	2.6E-07	0.00526	4.37E-04	3.16E-05	0.006004	1.44E-07	6.47E-03	0.000385	2.43E-05	0.011433	1.49E-07	0.011843
4716	474363.09	3860877.25	0.20886	0.31113	0.23628	0.23472	3.92E-04	2.7E-05	0.00513	2.6E-07	0.00555	4.81E-04	3.34E-05	0.006319	1.47E-07	6.83E-03	0.000424	2.57E-05	0.012034	1.52E-07	0.012484
4717	474863.09	3860877.25	0.22045	0.29727	0.2456	0.23023	4.14E-04	2.6E-05	0.00533	2.6E-07	0.00577	5.08E-04	3.2E-05	0.006569	1.44E-07	7.11E-03	0.000448	2.46E-05	0.012509	1.49E-07	0.012981
4718	475363.09	3860877.25	0.24531	0.34584	0.27932	0.21336	4.61E-04	3E-05	0.00607	2.4E-07	0.00656	5.65E-04	3.72E-05	0.007471	1.33E-07	8.07E-03	0.000498	2.86E-05	0.014226	1.38E-07	0.014753
4719	475863.09	3860877.25	0.24386	0.35546	0.27291	0.20268	4.58E-04	3.1E-05	0.00593	2.3E-07	0.00642	5.62E-04	3.82E-05	0.007299	1.27E-07	7.90E-03	0.000495	2.94E-05	0.013899	1.31E-07	0.014424
4720	476363.09	3860877.25	0.23394	0.34902	0.26014	0.16578	4.40E-04	3.1E-05	0.00565	1.9E-07	0.00612	5.39E-04	3.75E-05	0.006958	1.04E-07	7.53E-03	0.000475	2.89E-05	0.013249	1.07E-07	0.013753
4721	476863.09	3860877.25	0.22286	0.34843	0.2776	0.15217	4.19E-04	3.1E-05	0.00603	1.7E-07	0.00648	5.13E-04	3.75E-05	0.007425	9.52E-08	7.98E-03	0.000452	2.88E-05	0.014138	9.83E-08	0.01462
4722	477363.09	3860877.25	0.23407	0.3219	0.27923	0.16364	4.40E-04	2.8E-05	0.00606	1.8E-07	0.00653	5.39E-04	3.46E-05	0.007468	1.02E-07	8.04E-03	0.000475	2.66E-05	0.014221	1.06E-07	0.014723
4723	477863.09	3860877.25	0.21364	0.28324	0.25557	0.13703	4.01E-04	2.5E-05	0.00555	1.5E-07	0.00598	4.92E-04	3.04E-05	0.006835	8.57E-08	7.36E-03	0.000434	2.34E-05	0.013016	8.85E-08	0.013474
4724	478363.09	3860877.25	0.13231	0.15443	0.16835	0.0922	2.49E-04	1.4E-05	0.00366	1E-07	0.00392	3.05E-04	1.66E-05	0.004503	5.77E-08	4.82E-03	0.000269	1.28E-05	0.008574	5.96E-08	0.008856
4725	478863.09	3860877.25	0.2752	0.38315	0.32582	0.19739	5.17E-04	3.4E-05	0.00708	2.2E-07	0.00763	6.34E-04	4.12E-05	0.008714	1.23E-07	9.39E-03	0.000559	3.17E-05	0.016594	1.28E-07	0.017185
4726	479363.09	3860877.25	0.35275	0.53588	0.42007	0.28114	6.63E-04	4.7E-05	0.00912	3.1E-07	0.00983	8.12E-04	5.76E-05	0.011235	1.76E-07	1.21E-02	0.000716	4.43E-05	0.021394	1.82E-07	0.022155
4727	479863.09	3860877.25	0.37787	0.62863	0.43369	0.37946	7.10E-04	5.5E-05	0.00942	4.2E-07	0.01018	8.70E-04	6.76E-05	0.011599	2.37E-07	1.25E-02	0.000767	5.2E-05	0.022088	2.45E-07	0.022908
4728	480363.09	3860877.25	0.36836	0.60135	0.44592	0.45969	6.92E-04	5.3E-05	0.00968	5.1E-07	0.01043	8.48E-04	6.46E-05	0.011926	2.88E-07	1.28E-02	0.000748	4.97E-05	0.022711	2.97E-07	0.023509
4729	480863.09	3860877.25	0.38067	0.51486	0.46634	0.4907	7.15E-04	4.5E-05	0.01013	5.5E-07	0.01089	8.77E-04	5.53E-05	0.012473	3.07E-07	1.34E-02	0.000773	4.26E-05	0.023751	3.17E-07	0.024567
4730	481363.09	3860877.25	0.40158	0.55629	0.43743	0.52858	7.55E-04	4.9E-05	0.0095	5.9E-07	0.0103	9.25E-04	5.98E-05	0.011699	3.31E-07	1.27E-02	0.000815	4.6E-05	0.022279	3.41E-07	0.02314
4731	481863.09	3860877.25	0.41127	0.57384	0.48601	0.5333	7.73E-04	5E-05	0.01055	6E-07	0.01138	9.47E-04	6.17E-05	0.012999	3.34E-07	1.40E-02	0.000835	4.75E-05	0.024753	3.44E-07	0.025636
4732	482363.09	3860877.25	0.40619	0.63499	0.48472	0.58171	7.63E-04	5.6E-05	0.01053	6.5E-07	0.01135	9.35E-04	6.83E-05	0.012964	3.64E-07	1.40E-02	0.000825	5.25E-05	0.024687	3.76E-07	0.025565
4733	482863.09	3860877.25	0.4026	0.65506	0.463	0.57124	7.57E-04	5.7E-05	0.01005	6.4E-07	0.01087	9.27E-04	7.04E-05	0.012383	3.57E-07	1.34E-02	0.000817	5.42E-05	0.023581	3.69E-07	0.024453
4734	483363.09	3860877.25	0.41313	0.65921	0.47062	0.63589	7.76E-04	5.8E-05	0.01022	7.1E-07	0.01105	9.51E-04	7.09E-05	0.012587	3.98E-07	1.36E-02	0.000839	5.45E-05	0.023969	4.11E-07	0.024863
4735	483863.09	3860877.25	0.39291	0.62396	0.46089	0.61516	7.38E-04	5.5E-05	0.01001	6.9E-07	0.0108	9.05E-04	6.71E-05	0.012327	3.85E-07	1.33E-02	0.000798	5.16E-05	0.023473	3.97E-07	0.024323
4736	484363.09	3860877.25	0.36063	0.64632	0.44562	0.58588	6.78E-04	5.7E-05	0.00968	6.5E-07	0.01041	8.30E-04	6.95E-05	0.011918	3.66E-07	1.28E-02	0.000732	5.34E-05	0.022696	3.78E-07	0.023482
4737	484863.09	3860877.25	0.35692	0.61301	0.40329	0.55852	6.71E-04	5.4E-05	0.00876	6.2E-07	0.00948	8.22E-04	6.59E-05	0.010786	3.49E-07	1.17E-02	0.000725	5.07E-05	0.02054	3.61E-07	0.021316
4738	485363.09	3860877.25	0.34495	0.73576	0.38612	0.54246	6.48E-04	6.5E-05	0.00838	6.1E-07	0.0091	7.94E-04	7.91E-05	0.010327	3.39E-07	1.12E-02	0.0007	6.08E-05	0.019665	3.5E-07	0.020427
4739	485863.09	3860877.25	0.36239	0.71309	0.41119	0.55011	6.81E-04	6.3E-05	0.00893	6.1E-07	0.00967	8.35E-04	7.67E-05	0.010998	3.44E-07	1.19E-02	0.000736	5.9E-05	0.020942	3.55E-07	0.021737
4740	486363.09	3860877.25	0.37038	0.81915	0.41073	0.57834	6.96E-04	7.2E-05	0.00892	6.5E-07	0.00969	8.53E-04	8.81E-05	0.010985	3.62E-07	1.19E-02	0.000752	6.77E-05	0.020919	3.74E-07	0.021739
4741	486863.09	3860877.25	0.39123	0.6517	0.42593	0.55765	7.35E-04	5.7E-05	0.00925	6.2E-07	0.01004	9.01E-04	7.01E-05	0.011392	3.49E-07	1.24E-02	0.000794	5.39E-05	0.021693	3.6E-07	0.022541
4742	487363.09	3860877.25	0.42044	0.62287	0.45794	0.59095	7.90E-04	5.5E-05	0.00994	6.6E-07	0.01079	9.68E-04	6.7E-05	0.012248	3.7E-07	1.33E-02	0.000854	5.15E-05	0.023323	3.82E-07	0.024229
4743	487863.09	3860877.25	0.45279	0.73271	0.47755	0.68145	8.51E-04	6.4E-05	0.01037	7.6E-07	0.01129	1.04E-03	7.88E-05	0.012772	4.26E-07	1.39E-02	0.000919	6.06E-05	0.024322	4.4E-07	0.025302
4744	488363.09	3860877.25	0.48006	0.75053	0.48559	0.76446	9.02E-04	6.6E-05	0.01055	8.5E-07	0.01151	1.11E-03	8.07E-05	0.012987	4.78E-07	1.42E-02	0.000975	6.21E-05	0.024731	4.94E-07	0.025769
4745	488863.09	3860877.25	0.52961	0.66882	0.57509	0.83136	9.95E-04	5.9E-05	0.01249	9.3E-07	0.01354	1.22E-03	7.19E-05	0.015381	5.2E-07	1.67E-02	0.001075	5.53E-05	0.02929	5.37E-07	0.030421
4746	489363.09	3860877.25	0.54305	0.76696	0.59559	0.93747	1.02E-03	6.7E-05	0.01293	1E-06	0.01402	1.25E-03	8.24E-05	0.015929	5.86E-07	1.73E-02	0.001103	6.34E-05	0.030334	6.06E-07	0.0315
4747	489863.09	3860877.25	0.57601	0.73087	0.53346	0.88864	1.08E-03	6.4E-05	0.01158	9.9E-07	0.01273	1.33E-03	7.86E-05	0.014268	5.56E-07	1.57E-02	0.00117	6.04E-05	0.027169	5.74E-07	0.0284
4748	490363.09	3860877.25	0.60703	0.74854	0.54605	1.02	1.14E-03	6.6E-05	0.01186	1.1E-06	0.01307	1.40E-03	8.05E-05	0.014604	6.38E-07	1.61E-02	0.001233	6.19E-05	0.027811	6.59E-07	0.029106
4749	490863.09	3860877.25	0.65284	0.74644	0.57329	0.92174	1.23E-03	6.5E-05	0.01245	1E-06	0.01374	1.50E-03	8.02E-05	0.015333	5.76E-07	1.69E-02	0.001326	6.17E-05	0.029198	5.95E-07	0.030586
4750	491363.09	3860877.25	0.52871	0.69919	0.5163	0.84543	9.94E-04	6.1E-05	0.01121	9.4E-07	0.01227	1.22E-03	7.52E-05	0.013809	5.29E-07	1.51E-02	0.001073	5.78E-05	0.026295	5.46E-07	0.027427
4751	491863.09	3860877.25	0.44031	0.5706	0.44727	0.70511	8.27E-04	5E-05	0.00971	7.9E-07	0.01059	1.01E-03	6.13E-05	0.011963	4.41E-07	1.30E-02	0.000894	4.72E-05	0.02278	4.55E-07	0.023721
4752	492363.09	3860877.25	0.43067	0.54658	0.43773	0.68519	8.09E-04	4.8E-05	0.00951	7.7E-07	0.01036	9.92E-04	5.88E-05	0.011707	4.29E-07	1.28E-02	0.000874	4.52E-05	0.022294	4.43E-07	0.023214
4753	492863.09	3860877.25	0.3729	0.47498	0.36065	0.57945	7.01E-04	4.2E-05	0.00783	6.5E-07	0.00857	8.59E-04	5.11E-05	0.009646	3.62E-07	1.06E-02	0.000757	3.93E-05	0.018368	3.74E-07	0.019165
4754	493363.09	3860877.25	0.39632	0.51647	0.41889	0.61808	7.45E-04	4.5E-05	0.0091	6.9E-07	0.00989	9.13E-04	5.55E-05	0.011203	3.87E-07	1.22E-02	0.000805	4.27E-05	0.021334	3.99E-07	0.022182

4755	493863.09	3860877.25	0.41152	0.56594	0.43192	0.67632	7.73E-04	5E-05	0.00938	7.6E-07	0.0102	9.48E-04	6.08E-05	0.011552	4.23E-07	1.26E-02	0.000836	4.68E-05	0.021998	4.37E-07	0.022881
4756	494363.09	3860877.25	0.39546	0.57866	0.45957	0.69047	7.43E-04	5.1E-05	0.00998	7.7E-07	0.01077	9.11E-04	6.22E-05	0.012292	4.32E-07	1.33E-02	0.000803	4.79E-05	0.023406	4.46E-07	0.024257
4757	494863.09	3860877.25	0.39625	0.56438	0.4357	0.66208	7.45E-04	5E-05	0.00946	7.4E-07	0.01026	9.12E-04	6.07E-05	0.011653	4.14E-07	1.26E-02	0.000805	4.67E-05	0.02219	4.28E-07	0.023042
4758	495363.09	3860877.25	0.40017	0.49223	0.41053	0.60056	7.52E-04	4.3E-05	0.00892	6.7E-07	0.00971	9.22E-04	5.29E-05	0.01098	3.76E-07	1.20E-02	0.000812	4.07E-05	0.020909	3.88E-07	0.021762
4759	495863.09	3860877.25	0.36034	0.488	0.39663	0.54114	6.77E-04	4.3E-05	0.00861	6E-07	0.00933	8.30E-04	5.25E-05	0.010608	3.38E-07	1.15E-02	0.000732	4.04E-05	0.020201	3.5E-07	0.020973
4760	496363.09	3860877.25	0.32941	0.42258	0.39469	0.48453	6.19E-04	3.7E-05	0.00857	5.4E-07	0.00923	7.59E-04	4.54E-05	0.010556	3.03E-07	1.14E-02	0.000669	3.49E-05	0.020102	3.13E-07	0.020806
4761	496863.09	3860877.25	0.33367	0.40436	0.39928	0.44295	6.27E-04	3.5E-05	0.00867	4.9E-07	0.00933	7.68E-04	4.35E-05	0.010679	2.77E-07	1.15E-02	0.000677	3.34E-05	0.020336	2.86E-07	0.021047
4762	497363.09	3860877.25	0.31637	0.33995	0.35924	0.40415	5.95E-04	3E-05	0.0078	4.5E-07	0.00843	7.29E-04	3.65E-05	0.009608	2.53E-07	1.04E-02	0.000642	2.81E-05	0.018296	2.61E-07	0.018967
4763	497863.09	3860877.25	0.3002	0.3417	0.35042	0.35025	5.64E-04	3E-05	0.00761	3.9E-07	0.0082	6.91E-04	3.67E-05	0.009372	2.19E-07	1.01E-02	0.00061	2.83E-05	0.017847	2.26E-07	0.018485
4764	498363.09	3860877.25	0.24811	0.3154	0.28575	0.36533	4.66E-04	2.8E-05	0.00621	4.1E-07	0.0067	5.71E-04	3.39E-05	0.007643	2.28E-07	8.25E-03	0.000504	2.61E-05	0.014553	2.36E-07	0.015083
4765	471363.09	3861377.25	0.14784	0.22857	0.18065	0.18537	2.78E-04	2E-05	0.00392	2.1E-07	0.00422	3.40E-04	2.46E-05	0.004832	1.16E-07	5.20E-03	0.0003	1.89E-05	0.009201	1.2E-07	0.00952
4766	471863.09	3861377.25	0.15674	0.19896	0.20062	0.20661	2.95E-04	1.7E-05	0.00436	2.3E-07	0.00467	3.61E-04	2.14E-05	0.005366	1.29E-07	5.75E-03	0.000318	1.65E-05	0.010218	1.33E-07	0.010553
4767	472363.09	3861377.25	0.1634	0.2234	0.19041	0.20857	3.07E-04	2E-05	0.00413	2.3E-07	0.00446	3.76E-04	2.4E-05	0.005093	1.3E-07	5.49E-03	0.000332	1.85E-05	0.009698	1.35E-07	0.010048
4768	472863.09	3861377.25	0.16543	0.22825	0.19388	0.21992	3.11E-04	2E-05	0.00421	2.5E-07	0.00454	3.81E-04	2.45E-05	0.005185	1.38E-07	5.59E-03	0.000336	1.89E-05	0.009874	1.42E-07	0.010229
4769	473363.09	3861377.25	0.1747	0.23748	0.19817	0.23166	3.28E-04	2.1E-05	0.0043	2.6E-07	0.00465	4.02E-04	2.55E-05	0.0053	1.45E-07	5.73E-03	0.000355	1.96E-05	0.010093	1.5E-07	0.010467
4770	473863.09	3861377.25	0.19023	0.27622	0.20975	0.22911	3.57E-04	2.4E-05	0.00455	2.6E-07	0.00494	4.38E-04	2.97E-05	0.00561	1.43E-07	6.08E-03	0.000386	2.28E-05	0.010683	1.48E-07	0.011092
4771	474363.09	3861377.25	0.20496	0.28563	0.22675	0.23139	3.85E-04	2.5E-05	0.00492	2.6E-07	0.00533	4.72E-04	3.07E-05	0.006065	1.45E-07	6.57E-03	0.000416	2.36E-05	0.011549	1.49E-07	0.011988
4772	474863.09	3861377.25	0.21637	0.29891	0.23074	0.23538	4.07E-04	2.6E-05	0.00501	2.6E-07	0.00544	4.98E-04	3.21E-05	0.006171	1.47E-07	6.70E-03	0.000439	2.47E-05	0.011752	1.52E-07	0.012216
4773	475363.09	3861377.25	0.23261	0.27716	0.23935	0.2533	4.37E-04	2.4E-05	0.0052	2.8E-07	0.00566	5.36E-04	2.98E-05	0.006402	1.58E-07	6.97E-03	0.000472	2.29E-05	0.01219	1.64E-07	0.012686
4774	475863.09	3861377.25	0.23813	0.32582	0.26261	0.26732	4.47E-04	2.9E-05	0.0057	3E-07	0.00618	5.48E-04	3.5E-05	0.007024	1.67E-07	7.61E-03	0.000483	2.69E-05	0.013375	1.73E-07	0.013885
4775	476363.09	3861377.25	0.23144	0.3249	0.29196	0.24476	4.35E-04	2.9E-05	0.00634	2.7E-07	0.0068	5.33E-04	3.49E-05	0.007809	1.53E-07	8.38E-03	0.00047	2.69E-05	0.01487	1.58E-07	0.015367
4776	476863.09	3861377.25	0.24972	0.35532	0.28481	0.24327	4.69E-04	3.1E-05	0.00618	2.7E-07	0.00669	5.75E-04	3.82E-05	0.007617	1.52E-07	8.23E-03	0.000507	2.94E-05	0.014506	1.57E-07	0.015042
4777	477363.09	3861377.25	0.27389	0.39105	0.31929	0.25146	5.15E-04	3.4E-05	0.00693	2.8E-07	0.00748	6.31E-04	4.2E-05	0.00854	1.57E-07	9.21E-03	0.000556	3.23E-05	0.016262	1.62E-07	0.01685
4778	477863.09	3861377.25	0.25674	0.34763	0.30429	0.19222	4.82E-04	3E-05	0.00661	2.1E-07	0.00712	5.91E-04	3.74E-05	0.008138	1.2E-07	8.77E-03	0.000521	2.87E-05	0.015498	1.24E-07	0.016048
4779	478363.09	3861377.25	0.16626	0.20957	0.20048	0.10653	3.12E-04	1.8E-05	0.00435	1.2E-07	0.00468	3.83E-04	2.25E-05	0.005362	6.66E-08	5.77E-03	0.000338	1.73E-05	0.010211	6.88E-08	0.010566
4780	478863.09	3861377.25	0.2187	0.28753	0.25164	0.1284	4.11E-04	2.5E-05	0.00546	1.4E-07	0.0059	5.04E-04	3.09E-05	0.00673	8.03E-08	7.26E-03	0.000444	2.38E-05	0.012816	8.29E-08	0.013284
4781	479363.09	3861377.25	0.32696	0.53607	0.39177	0.28412	6.14E-04	4.7E-05	0.00851	3.2E-07	0.00917	7.53E-04	5.76E-05	0.010478	1.78E-07	1.13E-02	0.000664	4.43E-05	0.019953	1.84E-07	0.020661
4782	479863.09	3861377.25	0.34941	0.53772	0.40384	0.39087	6.57E-04	4.7E-05	0.00877	4.4E-07	0.00947	8.05E-04	5.78E-05	0.010801	2.44E-07	1.17E-02	0.000709	4.45E-05	0.020568	2.52E-07	0.021322
4783	480363.09	3861377.25	0.34939	0.44345	0.40285	0.46337	6.57E-04	3.9E-05	0.00875	5.2E-07	0.00944	8.05E-04	4.77E-05	0.010774	2.9E-07	1.16E-02	0.000709	3.67E-05	0.020517	2.99E-07	0.021264
4784	480863.09	3861377.25	0.36022	0.47555	0.38523	0.48854	6.77E-04	4.2E-05	0.00837	5.5E-07	0.00908	8.30E-04	5.11E-05	0.010303	3.06E-07	1.12E-02	0.000731	3.93E-05	0.01962	3.16E-07	0.020391
4785	481363.09	3861377.25	0.36332	0.49266	0.39993	0.48262	6.83E-04	4.3E-05	0.00868	5.4E-07	0.00941	8.37E-04	5.3E-05	0.010696	3.02E-07	1.16E-02	0.000738	4.07E-05	0.020369	3.12E-07	0.021147
4786	481863.09	3861377.25	0.36179	0.55667	0.41648	0.50602	6.80E-04	4.9E-05	0.00904	5.7E-07	0.00977	8.33E-04	5.98E-05	0.011139	3.16E-07	1.20E-02	0.000735	4.6E-05	0.021212	3.27E-07	0.021992
4787	482363.09	3861377.25	0.35985	0.56532	0.40137	0.51825	6.76E-04	5E-05	0.00872	5.8E-07	0.00944	8.29E-04	6.08E-05	0.010735	3.24E-07	1.16E-02	0.000731	4.68E-05	0.020442	3.35E-07	0.02122
4788	482863.09	3861377.25	0.36485	0.54357	0.42604	0.53261	6.86E-04	4.8E-05	0.00925	6E-07	0.00999	8.40E-04	5.84E-05	0.011395	3.33E-07	1.23E-02	0.000741	4.5E-05	0.021698	3.44E-07	0.022485
4789	483363.09	3861377.25	0.35201	0.53865	0.41887	0.54435	6.61E-04	4.7E-05	0.0091	6.1E-07	0.00981	8.11E-04	5.79E-05	0.011203	3.4E-07	1.21E-02	0.000715	4.45E-05	0.021333	3.52E-07	0.022093
4790	483863.09	3861377.25	0.33147	0.61117	0.38131	0.52392	6.23E-04	5.4E-05	0.00828	5.9E-07	0.00896	7.63E-04	6.57E-05	0.010198	3.28E-07	1.10E-02	0.000673	5.05E-05	0.01942	3.38E-07	0.020144
4791	484363.09	3861377.25	0.3328	0.58931	0.39703	0.50551	6.25E-04	5.2E-05	0.00862	5.6E-07	0.0093	7.66E-04	6.34E-05	0.010619	3.16E-07	1.14E-02	0.000676	4.87E-05	0.020221	3.27E-07	0.020946
4792	484863.09	3861377.25	0.30003	0.62842	0.36592	0.49917	5.64E-04	5.5E-05	0.00795	5.6E-07	0.00857	6.91E-04	6.76E-05	0.009787	3.12E-07	1.05E-02	0.000609	5.2E-05	0.018637	3.22E-07	0.019298
4793	485363.09	3861377.25	0.29784	0.73522	0.3352	0.47773	5.60E-04	6.4E-05	0.00728	5.3E-07	0.0079	6.86E-04	7.9E-05	0.008965	2.99E-07	9.73E-03	0.000605	6.08E-05	0.017072	3.09E-07	0.017738
4794	485863.09	3861377.25	0.31325	0.59786	0.35215	0.46521	5.89E-04	5.2E-05	0.00765	5.2E-07	0.00829	7.21E-04	6.43E-05	0.009418	2.91E-07	1.02E-02	0.000636	4.94E-05	0.017935	3.01E-07	0.018621
4795	486363.09	3861377.25	0.32085	0.74139	0.37369	0.46857	6.03E-04	6.5E-05	0.00812	5.2E-07	0.00878	7.39E-04	7.97E-05	0.009995	2.93E-07	1.08E-02	0.000651	6.13E-05	0.019032	3.03E-07	0.019745
4796	486863.09	3861377.25	0.3274	0.53388	0.37362	0.4971	6.15E-04	4.7E-05	0.00811	5.6E-07	0.00878	7.54E-04	5.74E-05	0.009993	3.11E-07	1.08E-02	0.000665	4.42E-05	0.019029	3.21E-07	0.019738
4797	487363.09	3861377.25	0.34868	0.55883	0.40059	0.49694	6.55E-04	4.9E-05	0.0087	5.6E-07	0.0094	8.03E-04	6.01E-05	0.010714	3.11E-07	1.16E-02	0.000708	4.62E-05	0.020402	3.21E-07	0.021157
4798	487863.09	3861377.25	0.39086	0.63419	0.40401	0.57887	7.35E-04	5.6E-05	0.00877	6.5E-07	0.00956	9.00E-04	6.82E-05	0.010806	3.62E-07	1.18E-02	0.000794	5.24E-05	0.020576	3.74E-07	0.021423
4799	488363.09	3861377.25	0.4039	0.61059	0.42685	0.65829	7.59E-04	5.4E-05	0.00927	7.4E-07	0.01008	9.30E-04	6.56E-05	0.011416	4.12E-07	1.24E-02	0.00082	5.05E-05	0.02174	4.25E-07	0.022611
4800	488863.09	3861377.25	0.39793	0.53962	0.43509	0.67524	7.48E-04	4.7E-05	0.00945	7.5E-07	0.01024	9.16E-04	5.8E-05	0.011637	4.22E-07	1.26E-02	0.000808	4.46E-05	0.022159	4.36E-07	0.023012
4801	489363.09	3861377.25	0.47193	0.60207	0.49892	0.72855	8.87E-04	5.3E-05	0.01083	8.1E-07	0.01178	1.09E-03	6.47E-05	0.013344	4.56E-07	1.45E-02	0.000958	4.98E-05	0.02541	4.71E-07	0.026419
4802	489863.09	3861377.25	0.4598	0.63774	0.48199	0.84642	8.64E-04	5.6E-05	0.01047	9.5E-07	0.01139	1.06E-03	6.86E-05	0.012891	5.29E-07	1.40E-02	0.000934	5.27E-05	0.024548	5.47E-07	0.025535
4803	490363.09	3861377.25	0.47227	0.57226	0.45859	0.78396	8.87E-04	5E-05	0.00996	8.8E-07	0.0109	1.09E-03	6.15E-05	0.012265	4.9E-07	1.34E-02	0.000959	4.73E-05	0.023356	5.06E-07	0.024363
4804	490863.09	3861377.25	0.48476	0.61639	0.45766	0.84305	9.11E-04	5.4E-05	0.00994	9.4E-07	0.0109	1.12E-03	6.63E-05	0.01224	5.27E-07	1.34E-02	0.000984	5.1E-05	0.023309	5.45E-07	0.024345
4805	491363.09	3861377.25	0.52279	0.61213	0.47413	0.77152	9.82E-04	5.4E-05	0.0103	8.6E-07	0.01133	1.20E-03	6.58E-05	0.012681	4.83E-07	1.40E-02	0.001061	5.06E-05	0.024148	4.98E-07	0.02526
4806	491863.09	3861377.25	0.44364	0.54307	0.44568	0.67811	8.34E-04	4.8E-05	0.00968	7.6E-07	0.01056	1.02E-03	5.84E-05	0.01192	4.24E-07	1.30E-02	0.000901	4.49E-05	0.022699	4.38E-07	0.023645
4807	492363.09	3861377.25	0.37784	0.5126	0.40524	0.6468	7.10E-04	4.5E-05	0.0088	7.2E-07	0.00956	8.70E-04	5.51E-05	0.010838	4.05E-07	1.18E-02	0.000767	4.24E-05	0.020639	4.18E-07	0.021449
4808	492863.09	3861377.25	0.36686	0.49143	0.34929	0.59614	6.89E-04	4.3E-05	0.00759	6.7E-07	0.00832	8.45E-04	5.28E-05	0.009342	3.73E-07	1.02E-02	0.000745	4.06E-05	0.01779	3.85E-07	0.018575
4809	493363.09	3861377.25	0.33528	0.4503	0.37583	0.54076	6.30E-04	4E-05	0.00816	6E-07	0.00883	7.72E-04	4.84E-05	0.010052	3.38E-07	1.09E-02	0.000681	3.72E-05	0.019141	3.49E-07	0.01986
4810	493863.09	3861377.25	0.31781	0.40866	0.31167	0.5021	5.97E-04	3.6E-05	0.00677	5.6E-07	0.0074	7.32E-04	4.39E-05	0.008336	3.14E-07	9.11E-03	0.000645	3.38E-05	0.015874	3.24E-07	0.016553
4811	494363.09	3861377.25	0.33638	0.41666	0.34101	0.5161	6.32E-04	3.7E-05	0.00741	5.8E-07	0.00807	7.75E-04	4.48E-05	0.009121	3.23E-07	9.94E-03	0.000683	3.45E-05	0.017368	3.33E-07	0.018086
4812	494863.09	3861377.25	0.35221	0.46483	0.34699	0.5531	6.62E-04	4.1E-05	0.00754	6.2E-07	0.00824	8.11E-04	5E-05	0.00928	3.46E-07	1.01E-02	0.000715	3.84E-05	0.017672	3.57E-07	0.018426
4813	495363.09	3861377.25	0.33504	0.46138	0.38003	0.57996	6.30E-04	4E-05	0.00825	6.5E-07	0.00892	7.72E-04	4.96E-05	0.010164	3.63E-07	1.10E-02	0.00068	3.82E-05	0.019355	3.75E-07	0.020074
4814	495863.09	3861377.25	0.32293	0.45453	0.35496	0.55815	6.07E-04	4E-05	0.00771	6.2E-07	0.00836	7.44E-04	4.89E-05	0.009494	3.49E-07	1.03E-02	0.000656	3.76E-05	0.018078	3.61E-07	0.018772
4815	496363.09	3861377.25	0.31501	0.40551	0.33449	0.50432	5.92E-04	3.6E-05	0.00726	5.6E-07	0.00789	7.25E-04	4.36E-05	0.008946	3.15E-07	9.72E-03	0.00064	3.35E-05	0.017036	3.26E-07	0.017709

4816	496863.09	3861377.25	0.31496	0.40518	0.33541	0.47985	5.92E-04	3.6E-05	0.00728	5.4E-07	0.00791	7.25E-04	4.36E-05	0.008971	3E-07	9.74E-03	0.000639	3.35E-05	0.017083	3.1E-07	0.017756
4817	497363.09	3861377.25	0.2861	0.37583	0.33671	0.4435	5.38E-04	3.3E-05	0.00731	5E-07	0.00788	6.59E-04	4.04E-05	0.009006	2.77E-07	9.71E-03	0.000581	3.11E-05	0.017149	2.86E-07	0.017761
4818	497863.09	3861377.25	0.28475	0.33778	0.33716	0.40023	5.35E-04	3E-05	0.00732	4.5E-07	0.00789	6.56E-04	3.63E-05	0.009018	2.5E-07	9.71E-03	0.000578	2.79E-05	0.017172	2.59E-07	0.017778
4819	498363.09	3861377.25	0.25706	0.3078	0.29693	0.40179	4.83E-04	2.7E-05	0.00645	4.5E-07	0.00696	5.92E-04	3.31E-05	0.007942	2.51E-07	8.57E-03	0.000522	2.55E-05	0.015123	2.6E-07	0.01567
4820	471363.09	3861877.25	0.1493	0.21382	0.168	0.19938	2.81E-04	1.9E-05	0.00365	2.2E-07	0.00395	3.44E-04	2.3E-05	0.004493	1.25E-07	4.86E-03	0.000303	1.77E-05	0.008556	1.29E-07	0.008877
4821	471863.09	3861877.25	0.1467	0.20877	0.1751	0.20494	2.76E-04	1.8E-05	0.0038	2.3E-07	0.0041	3.38E-04	2.24E-05	0.004683	1.28E-07	5.04E-03	0.000298	1.73E-05	0.008918	1.32E-07	0.009233
4822	472363.09	3861877.25	0.15468	0.22107	0.17889	0.21729	2.91E-04	1.9E-05	0.00388	2.4E-07	0.0042	3.56E-04	2.38E-05	0.004785	1.36E-07	5.16E-03	0.000314	1.83E-05	0.009111	1.4E-07	0.009443
4823	472863.09	3861877.25	0.166	0.24284	0.18011	0.22149	3.12E-04	2.1E-05	0.00391	2.5E-07	0.00424	3.82E-04	2.61E-05	0.004817	1.39E-07	5.23E-03	0.000337	2.01E-05	0.009173	1.43E-07	0.00953
4824	473363.09	3861877.25	0.17875	0.24215	0.19093	0.21705	3.36E-04	2.1E-05	0.00415	2.4E-07	0.0045	4.12E-04	2.6E-05	0.005107	1.36E-07	5.54E-03	0.000363	2E-05	0.009724	1.4E-07	0.010107
4825	473863.09	3861877.25	0.1868	0.25167	0.20669	0.22005	3.51E-04	2.2E-05	0.00449	2.5E-07	0.00486	4.30E-04	2.71E-05	0.005528	1.38E-07	5.99E-03	0.000379	2.08E-05	0.010527	1.42E-07	0.010927
4826	474363.09	3861877.25	0.20074	0.24524	0.20514	0.23138	3.77E-04	2.2E-05	0.00445	2.6E-07	0.00485	4.62E-04	2.64E-05	0.005487	1.45E-07	5.98E-03	0.000408	2.03E-05	0.010448	1.49E-07	0.010876
4827	474863.09	3861877.25	0.20285	0.23393	0.21496	0.26293	3.81E-04	2.1E-05	0.00467	2.9E-07	0.00507	4.67E-04	2.51E-05	0.005749	1.64E-07	6.24E-03	0.000412	1.93E-05	0.010948	1.7E-07	0.011379
4828	475363.09	3861877.25	0.19755	0.26765	0.23431	0.26866	3.71E-04	2.3E-05	0.00509	3E-07	0.00548	4.55E-04	2.88E-05	0.006267	1.68E-07	6.75E-03	0.000401	2.21E-05	0.011934	1.74E-07	0.012357
4829	475863.09	3861877.25	0.20858	0.30467	0.2343	0.25557	3.92E-04	2.7E-05	0.00509	2.9E-07	0.00551	4.80E-04	3.28E-05	0.006267	1.6E-07	6.78E-03	0.000423	2.52E-05	0.011933	1.65E-07	0.012382
4830	476363.09	3861877.25	0.23103	0.31033	0.26427	0.28051	4.34E-04	2.7E-05	0.00574	3.1E-07	0.0062	5.32E-04	3.34E-05	0.007068	1.75E-07	7.63E-03	0.000469	2.57E-05	0.013459	1.81E-07	0.013954
4831	476863.09	3861877.25	0.25654	0.32909	0.29521	0.29046	4.82E-04	2.9E-05	0.00641	3.2E-07	0.00692	5.91E-04	3.54E-05	0.007896	1.82E-07	8.52E-03	0.000521	2.72E-05	0.015035	1.88E-07	0.015583
4832	477363.09	3861877.25	0.26722	0.37398	0.29228	0.28166	5.02E-04	3.3E-05	0.00635	3.1E-07	0.00688	6.15E-04	4.02E-05	0.007817	1.76E-07	8.47E-03	0.000543	3.09E-05	0.014886	1.82E-07	0.01546
4833	477863.09	3861877.25	0.24794	0.36202	0.28251	0.19455	4.66E-04	3.2E-05	0.00613	2.2E-07	0.00663	5.71E-04	3.89E-05	0.007556	1.22E-07	8.17E-03	0.000503	2.99E-05	0.014388	1.26E-07	0.014922
4834	478363.09	3861877.25	0.13707	0.1738	0.16125	0.10372	2.58E-04	1.5E-05	0.0035	1.2E-07	0.00377	3.16E-04	1.87E-05	0.004313	6.49E-08	4.65E-03	0.000278	1.44E-05	0.008213	6.7E-08	0.008505
4835	478863.09	3861877.25	0.23077	0.32986	0.28193	0.15718	4.34E-04	2.9E-05	0.00612	1.8E-07	0.00659	5.31E-04	3.55E-05	0.00754	9.83E-08	8.11E-03	0.000469	2.73E-05	0.014359	1.02E-07	0.014855
4836	479363.09	3861877.25	0.20248	0.30425	0.28481	0.14208	3.81E-04	2.7E-05	0.00618	1.6E-07	0.00659	4.66E-04	3.27E-05	0.007617	8.89E-08	8.12E-03	0.000411	2.52E-05	0.014506	9.18E-08	0.014942
4837	479863.09	3861877.25	0.33195	0.44604	0.3607	0.38818	6.24E-04	3.9E-05	0.00783	4.3E-07	0.0085	7.64E-04	4.8E-05	0.009647	2.43E-07	1.05E-02	0.000674	3.69E-05	0.018371	2.51E-07	0.019082
4838	480363.09	3861877.25	0.31064	0.41125	0.35162	0.42915	5.84E-04	3.6E-05	0.00764	4.8E-07	0.00826	7.15E-04	4.42E-05	0.009404	2.68E-07	1.02E-02	0.000631	3.4E-05	0.017908	2.77E-07	0.018573
4839	480863.09	3861877.25	0.31539	0.46652	0.34601	0.43874	5.93E-04	4.1E-05	0.00751	4.9E-07	0.00815	7.26E-04	5.02E-05	0.009254	2.74E-07	1.00E-02	0.00064	3.86E-05	0.017622	2.83E-07	0.018302
4840	481363.09	3861877.25	0.3228	0.47213	0.34812	0.4268	6.07E-04	4.1E-05	0.00756	4.8E-07	0.00821	7.43E-04	5.08E-05	0.009311	2.67E-07	1.01E-02	0.000655	3.9E-05	0.01773	2.76E-07	0.018425
4841	481863.09	3861877.25	0.32492	0.45278	0.34694	0.46548	6.11E-04	4E-05	0.00753	5.2E-07	0.00818	7.48E-04	4.87E-05	0.009279	2.91E-07	1.01E-02	0.00066	3.74E-05	0.01767	3.01E-07	0.018367
4842	482363.09	3861877.25	0.31831	0.49947	0.36104	0.43632	5.98E-04	4.4E-05	0.00784	4.9E-07	0.00848	7.33E-04	5.37E-05	0.009656	2.73E-07	1.04E-02	0.000646	4.13E-05	0.018388	2.82E-07	0.019076
4843	482863.09	3861877.25	0.31602	0.45001	0.38182	0.46607	5.94E-04	3.9E-05	0.00829	5.2E-07	0.00893	7.28E-04	4.84E-05	0.010212	2.91E-07	1.10E-02	0.000642	3.72E-05	0.019446	3.01E-07	0.020125
4844	483363.09	3861877.25	0.30226	0.53929	0.34381	0.47417	5.68E-04	4.7E-05	0.00747	5.3E-07	0.00808	6.96E-04	5.8E-05	0.009195	2.97E-07	9.95E-03	0.000614	4.46E-05	0.01751	3.06E-07	0.018169
4845	483863.09	3861877.25	0.30524	0.53725	0.36537	0.45758	5.74E-04	4.7E-05	0.00793	5.1E-07	0.00856	7.03E-04	5.78E-05	0.009772	2.86E-07	1.05E-02	0.00062	4.44E-05	0.018609	2.96E-07	0.019273
4846	484363.09	3861877.25	0.28603	0.56114	0.34245	0.46258	5.38E-04	4.9E-05	0.00744	5.2E-07	0.00802	6.59E-04	6.03E-05	0.009159	2.89E-07	9.88E-03	0.000581	4.64E-05	0.017441	2.99E-07	0.018069
4847	484863.09	3861877.25	0.28047	0.61706	0.32662	0.43897	5.27E-04	5.4E-05	0.00709	4.9E-07	0.00767	6.46E-04	6.63E-05	0.008736	2.75E-07	9.45E-03	0.000569	5.1E-05	0.016635	2.84E-07	0.017256
4848	485363.09	3861877.25	0.27259	0.54692	0.30399	0.43808	5.12E-04	4.8E-05	0.0066	4.9E-07	0.00716	6.28E-04	5.88E-05	0.00813	2.74E-07	8.82E-03	0.000553	4.52E-05	0.015482	2.83E-07	0.016081
4849	485863.09	3861877.25	0.27254	0.4943	0.31423	0.41214	5.12E-04	4.3E-05	0.00682	4.6E-07	0.00738	6.28E-04	5.31E-05	0.008404	2.58E-07	9.09E-03	0.000553	4.09E-05	0.016004	2.66E-07	0.016598
4850	486363.09	3861877.25	0.28867	0.59116	0.32446	0.41923	5.42E-04	5.2E-05	0.00705	4.7E-07	0.00764	6.65E-04	6.36E-05	0.008678	2.62E-07	9.41E-03	0.000586	4.89E-05	0.016525	2.71E-07	0.01716
4851	486863.09	3861877.25	0.29254	0.46866	0.34161	0.43357	5.50E-04	4.1E-05	0.00742	4.8E-07	0.00801	6.74E-04	5.04E-05	0.009137	2.71E-07	9.86E-03	0.000594	3.88E-05	0.017398	2.8E-07	0.018031
4852	487363.09	3861877.25	0.31254	0.44846	0.35757	0.44131	5.87E-04	3.9E-05	0.00776	4.9E-07	0.00839	7.20E-04	4.82E-05	0.009563	2.76E-07	1.03E-02	0.000635	3.71E-05	0.018211	2.85E-07	0.018883
4853	487863.09	3861877.25	0.3406	0.5002	0.38055	0.49645	6.40E-04	4.4E-05	0.00826	5.5E-07	0.00895	7.84E-04	5.38E-05	0.010178	3.11E-07	1.10E-02	0.000692	4.14E-05	0.019382	3.21E-07	0.020115
4854	488363.09	3861877.25	0.35555	0.50309	0.37191	0.54537	6.68E-04	4.4E-05	0.00808	6.1E-07	0.00879	8.19E-04	5.41E-05	0.009947	3.41E-07	1.08E-02	0.000722	4.16E-05	0.018942	3.52E-07	0.019705
4855	488863.09	3861877.25	0.34141	0.45012	0.36782	0.61666	6.42E-04	3.9E-05	0.00799	6.9E-07	0.00867	7.86E-04	4.84E-05	0.009838	3.86E-07	1.07E-02	0.000693	3.72E-05	0.018733	3.98E-07	0.019464
4856	489363.09	3861877.25	0.36195	0.45519	0.43654	0.6006	6.80E-04	4E-05	0.00948	6.7E-07	0.0102	8.34E-04	4.89E-05	0.011676	3.76E-07	1.26E-02	0.000735	3.76E-05	0.022233	3.88E-07	0.023006
4857	489863.09	3861877.25	0.38778	0.53189	0.42797	0.67587	7.29E-04	4.7E-05	0.00929	7.6E-07	0.01007	8.93E-04	5.72E-05	0.011446	4.23E-07	1.24E-02	0.000787	4.4E-05	0.021797	4.37E-07	0.022629
4858	490363.09	3861877.25	0.39426	0.50652	0.42224	0.64166	7.41E-04	4.4E-05	0.00917	7.2E-07	0.00996	9.08E-04	5.45E-05	0.011293	4.01E-07	1.23E-02	0.0008	4.19E-05	0.021505	4.14E-07	0.022348
4859	490863.09	3861877.25	0.40068	0.4743	0.4018	0.61994	7.53E-04	4.2E-05	0.00873	6.9E-07	0.00952	9.23E-04	5.1E-05	0.010746	3.88E-07	1.17E-02	0.000814	3.92E-05	0.020464	4E-07	0.021317
4860	491363.09	3861877.25	0.40979	0.54358	0.3902	0.69519	7.70E-04	4.8E-05	0.00847	7.8E-07	0.00929	9.44E-04	5.84E-05	0.010436	4.35E-07	1.14E-02	0.000832	4.5E-05	0.019873	4.49E-07	0.020751
4861	491863.09	3861877.25	0.43433	0.51735	0.41138	0.6625	8.16E-04	4.5E-05	0.00893	7.4E-07	0.0098	1.00E-03	5.56E-05	0.011003	4.14E-07	1.21E-02	0.000882	4.28E-05	0.020952	4.28E-07	0.021877
4862	492363.09	3861877.25	0.39526	0.47691	0.40263	0.60735	7.43E-04	4.2E-05	0.00874	6.8E-07	0.00953	9.10E-04	5.13E-05	0.010769	3.8E-07	1.17E-02	0.000803	3.94E-05	0.020506	3.92E-07	0.021349
4863	492863.09	3861877.25	0.34247	0.4607	0.34944	0.56364	6.44E-04	4E-05	0.00759	6.3E-07	0.00827	7.89E-04	4.95E-05	0.009346	3.53E-07	1.02E-02	0.000695	3.81E-05	0.017797	3.64E-07	0.018531
4864	493363.09	3861877.25	0.30386	0.41114	0.31122	0.51684	5.71E-04	3.6E-05	0.00676	5.8E-07	0.00737	7.00E-04	4.42E-05	0.008324	3.23E-07	9.07E-03	0.000617	3.4E-05	0.015851	3.34E-07	0.016502
4865	493863.09	3861877.25	0.30524	0.39347	0.31026	0.47942	5.74E-04	3.5E-05	0.00674	5.4E-07	0.00735	7.03E-04	4.23E-05	0.008298	3E-07	9.04E-03	0.00062	3.25E-05	0.015802	3.1E-07	0.016454
4866	494363.09	3861877.25	0.26507	0.34428	0.26419	0.42584	4.98E-04	3E-05	0.00574	4.8E-07	0.00627	6.10E-04	3.7E-05	0.007066	2.66E-07	7.71E-03	0.000538	2.85E-05	0.013455	2.75E-07	0.014022
4867	494863.09	3861877.25	0.28183	0.36174	0.29411	0.4461	5.30E-04	3.2E-05	0.00639	5E-07	0.00695	6.49E-04	3.89E-05	0.007866	2.79E-07	8.55E-03	0.000572	2.99E-05	0.014979	2.88E-07	0.015582
4868	495363.09	3861877.25	0.29185	0.35968	0.29759	0.43349	5.48E-04	3.2E-05	0.00646	4.8E-07	0.00704	6.72E-04	3.87E-05	0.007959	2.71E-07	8.67E-03	0.000593	2.97E-05	0.015156	2.8E-07	0.015779
4869	495863.09	3861877.25	0.29395	0.39214	0.29813	0.46597	5.52E-04	3.4E-05	0.00647	5.2E-07	0.00706	6.77E-04	4.22E-05	0.007974	2.91E-07	8.69E-03	0.000597	3.24E-05	0.015184	3.01E-07	0.015813
4870	496363.09	3861877.25	0.29245	0.39454	0.32683	0.50558	5.50E-04	3.5E-05	0.0071	5.6E-07	0.00768	6.73E-04	4.24E-05	0.008741	3.16E-07	9.46E-03	0.000594	3.26E-05	0.016646	3.27E-07	0.017272
4871	496863.09	3861877.25	0.30132	0.42605	0.3338	0.52768	5.66E-04	3.7E-05	0.00725	5.9E-07	0.00785	6.94E-04	4.58E-05	0.008928	3.3E-07	9.67E-03	0.000612	3.52E-05	0.017001	3.41E-07	0.017648
4872	497363.09	3861877.25	0.27035	0.38325	0.28972	0.44068	5.08E-04	3.4E-05	0.00629	4.9E-07	0.00683	6.23E-04	4.12E-05	0.007749	2.76E-07	8.41E-03	0.000549	3.17E-05	0.014756	2.85E-07	0.015336
4873	497863.09	3861877.25	0.26767	0.3383	0.28208	0.41579	5.03E-04	3E-05	0.00613	4.6E-07	0.00666	6.16E-04	3.64E-05	0.007544	2.6E-07	8.20E-03	0.000543	2.8E-05	0.014366	2.69E-07	0.014938
4874	498363.09	3861877.25	0.24375	0.32455	0.27764	0.39711	4.58E-04	2.8E-05	0.00603	4.4E-07	0.00652	5.61E-04	3.49E-05	0.007426	2.48E-07	8.02E-03	0.000495	2.68E-05	0.01414	2.57E-07	0.014662
4875	471363.09	3862377.25	0.14035	0.20136	0.16265	0.20518	2.64E-04	1.8E-05	0.00353	2.3E-07	0.00381	3.23E-04	2.16E-05	0.00435	1.28E-07	4.70E-03	0.000285	1.67E-05	0.008284	1.33E-07	0.008586
4876	471863.09	3862377.25	0.14888	0.21692	0.1617	0.19883	2.80E-04	1.9E-05	0.00351	2.2E-07	0.00381	3.43E-04	2.33E-05	0.004325	1.24E-07	4.69E-03	0.000302	1.79E-05	0.008235	1.28E-07	0.008556

4877	472363.09	3862377.25	0.15872	0.20464	0.16361	0.20115	2.98E-04	1.8E-05	0.00355	2.2E-07	0.00387	3.66E-04	2.2E-05	0.004376	1.26E-07	4.76E-03	0.000322	1.69E-05	0.008333	1.3E-07	0.008672
4878	472863.09	3862377.25	0.16656	0.20954	0.17029	0.20244	3.13E-04	1.8E-05	0.0037	2.3E-07	0.00403	3.84E-04	2.25E-05	0.004555	1.27E-07	4.96E-03	0.000338	1.73E-05	0.008673	1.31E-07	0.009029
4879	473363.09	3862377.25	0.17299	0.20199	0.18326	0.21145	3.25E-04	1.8E-05	0.00398	2.4E-07	0.00432	3.98E-04	2.17E-05	0.004901	1.32E-07	5.32E-03	0.000351	1.67E-05	0.009334	1.37E-07	0.009702
4880	473863.09	3862377.25	0.17626	0.20487	0.19192	0.23871	3.31E-04	1.8E-05	0.00417	2.7E-07	0.00452	4.06E-04	2.2E-05	0.005133	1.49E-07	5.56E-03	0.000358	1.69E-05	0.009775	1.54E-07	0.01015
4881	474363.09	3862377.25	0.17195	0.23859	0.20192	0.23507	3.23E-04	2.1E-05	0.00438	2.6E-07	0.00473	3.96E-04	2.56E-05	0.0054	1.47E-07	5.82E-03	0.000349	1.97E-05	0.010284	1.52E-07	0.010653
4882	474863.09	3862377.25	0.17861	0.25368	0.20852	0.21907	3.36E-04	2.2E-05	0.00453	2.4E-07	0.00489	4.11E-04	2.73E-05	0.005577	1.37E-07	6.02E-03	0.000363	2.1E-05	0.01062	1.42E-07	0.011004
4883	475363.09	3862377.25	0.19905	0.27794	0.22078	0.24395	3.74E-04	2.4E-05	0.00479	2.7E-07	0.00519	4.58E-04	2.99E-05	0.005905	1.53E-07	6.39E-03	0.000404	2.3E-05	0.011244	1.58E-07	0.011672
4884	475863.09	3862377.25	0.21798	0.28882	0.2394	0.27238	4.10E-04	2.5E-05	0.0052	3E-07	0.00563	5.02E-04	3.1E-05	0.006403	1.7E-07	6.94E-03	0.000443	2.39E-05	0.012193	1.76E-07	0.012659
4885	476363.09	3862377.25	0.22681	0.29104	0.2386	0.26963	4.26E-04	2.6E-05	0.00518	3E-07	0.00563	5.22E-04	3.13E-05	0.006382	1.69E-07	6.94E-03	0.000461	2.41E-05	0.012152	1.74E-07	0.012637
4886	476863.09	3862377.25	0.2346	0.3052	0.23414	0.27707	4.41E-04	2.7E-05	0.00508	3.1E-07	0.00555	5.40E-04	3.28E-05	0.006262	1.73E-07	6.84E-03	0.000476	2.52E-05	0.011925	1.79E-07	0.012427
4887	477363.09	3862377.25	0.24713	0.35299	0.27159	0.27996	4.64E-04	3.1E-05	0.0059	3.1E-07	0.00639	5.69E-04	3.79E-05	0.007264	1.75E-07	7.87E-03	0.000502	2.92E-05	0.013832	1.81E-07	0.014363
4888	477863.09	3862377.25	0.25546	0.41598	0.28034	0.22464	4.80E-04	3.6E-05	0.00609	2.5E-07	0.0066	5.88E-04	4.47E-05	0.007498	1.4E-07	8.13E-03	0.000519	3.44E-05	0.014278	1.45E-07	0.014831
4889	478363.09	3862377.25	0.23275	0.37037	0.25782	0.1887	4.37E-04	3.2E-05	0.0056	2.1E-07	0.00607	5.36E-04	3.98E-05	0.006896	1.18E-07	7.47E-03	0.000473	3.06E-05	0.013131	1.22E-07	0.013634
4890	478863.09	3862377.25	0.23838	0.38238	0.28883	0.19458	4.48E-04	3.4E-05	0.00627	2.2E-07	0.00675	5.49E-04	4.11E-05	0.007725	1.22E-07	8.32E-03	0.000484	3.16E-05	0.01471	1.26E-07	0.015226
4891	479363.09	3862377.25	0.26793	0.37044	0.32717	0.25125	5.03E-04	3.2E-05	0.0071	2.8E-07	0.00764	6.17E-04	3.98E-05	0.00875	1.57E-07	9.41E-03	0.000544	3.06E-05	0.016663	1.62E-07	0.017238
4892	479863.09	3862377.25	0.28067	0.35588	0.33354	0.36692	5.27E-04	3.1E-05	0.00724	4.1E-07	0.0078	6.46E-04	3.83E-05	0.008921	2.29E-07	9.61E-03	0.00057	2.94E-05	0.016987	2.37E-07	0.017587
4893	480363.09	3862377.25	0.27455	0.41847	0.31604	0.38737	5.16E-04	3.7E-05	0.00686	4.3E-07	0.00742	6.32E-04	4.5E-05	0.008453	2.42E-07	9.13E-03	0.000557	3.46E-05	0.016096	2.5E-07	0.016688
4894	480863.09	3862377.25	0.28891	0.40776	0.28959	0.37911	5.43E-04	3.6E-05	0.00629	4.2E-07	0.00687	6.65E-04	4.38E-05	0.007745	2.37E-07	8.45E-03	0.000587	3.37E-05	0.014749	2.45E-07	0.01537
4895	481363.09	3862377.25	0.28427	0.43165	0.29415	0.42028	5.34E-04	3.8E-05	0.00639	4.7E-07	0.00696	6.55E-04	4.64E-05	0.007867	2.63E-07	8.57E-03	0.000577	3.57E-05	0.014981	2.71E-07	0.015594
4896	481863.09	3862377.25	0.28447	0.41479	0.32935	0.40388	5.35E-04	3.6E-05	0.00715	4.5E-07	0.00772	6.55E-04	4.46E-05	0.008809	2.53E-07	9.51E-03	0.000578	3.43E-05	0.016774	2.61E-07	0.017386
4897	482363.09	3862377.25	0.27875	0.38276	0.34584	0.41504	5.24E-04	3.4E-05	0.00751	4.6E-07	0.00807	6.42E-04	4.11E-05	0.00925	2.6E-07	9.93E-03	0.000566	3.17E-05	0.017614	2.68E-07	0.018212
4898	482863.09	3862377.25	0.27479	0.43909	0.31567	0.43655	5.16E-04	3.9E-05	0.00686	4.9E-07	0.00741	6.33E-04	4.72E-05	0.008443	2.73E-07	9.12E-03	0.000558	3.63E-05	0.016077	2.82E-07	0.016672
4899	483363.09	3862377.25	0.28067	0.51559	0.31078	0.41704	5.27E-04	4.5E-05	0.00675	4.7E-07	0.00732	6.46E-04	5.54E-05	0.008312	2.61E-07	9.01E-03	0.00057	4.26E-05	0.015828	2.69E-07	0.016441
4900	483863.09	3862377.25	0.27224	0.42029	0.32774	0.40106	5.12E-04	3.7E-05	0.00712	4.5E-07	0.00767	6.27E-04	4.52E-05	0.008766	2.51E-07	9.44E-03	0.000553	3.48E-05	0.016692	2.59E-07	0.01728
4901	484363.09	3862377.25	0.2579	0.49525	0.31804	0.37941	4.85E-04	4.3E-05	0.00691	4.2E-07	0.00744	5.94E-04	5.32E-05	0.008506	2.37E-07	9.15E-03	0.000524	4.1E-05	0.016198	2.45E-07	0.016763
4902	484863.09	3862377.25	0.24773	0.58308	0.28961	0.40165	4.66E-04	5.1E-05	0.00629	4.5E-07	0.00681	5.70E-04	6.27E-05	0.007746	2.51E-07	8.38E-03	0.000503	4.82E-05	0.01475	2.59E-07	0.015301
4903	485363.09	3862377.25	0.23834	0.45016	0.26229	0.3784	4.48E-04	3.9E-05	0.0057	4.2E-07	0.00618	5.49E-04	4.84E-05	0.007015	2.37E-07	7.61E-03	0.000484	3.72E-05	0.013359	2.44E-07	0.01388
4904	485863.09	3862377.25	0.24605	0.45404	0.2726	0.3759	4.62E-04	4E-05	0.00592	4.2E-07	0.00642	5.67E-04	4.88E-05	0.007291	2.35E-07	7.91E-03	0.0005	3.75E-05	0.013884	2.43E-07	0.014421
4905	486363.09	3862377.25	0.26393	0.50827	0.29611	0.38329	4.96E-04	4.5E-05	0.00643	4.3E-07	0.00697	6.08E-04	5.46E-05	0.00792	2.4E-07	8.58E-03	0.000536	4.2E-05	0.015081	2.48E-07	0.015659
4906	486863.09	3862377.25	0.26636	0.41151	0.3094	0.39782	5.01E-04	3.6E-05	0.00672	4.4E-07	0.00726	6.13E-04	4.42E-05	0.008275	2.49E-07	8.93E-03	0.000541	3.4E-05	0.015758	2.57E-07	0.016333
4907	487363.09	3862377.25	0.26014	0.3905	0.33194	0.388	4.89E-04	3.4E-05	0.00721	4.3E-07	0.00773	5.99E-04	4.2E-05	0.008878	2.43E-07	9.52E-03	0.000528	3.23E-05	0.016906	2.51E-07	0.017467
4908	487863.09	3862377.25	0.29675	0.42668	0.34042	0.43139	5.58E-04	3.7E-05	0.00739	4.8E-07	0.00799	6.83E-04	4.59E-05	0.009105	2.7E-07	9.83E-03	0.000603	3.53E-05	0.017338	2.79E-07	0.017976
4909	488363.09	3862377.25	0.3191	0.47701	0.30087	0.44843	6.00E-04	4.2E-05	0.00653	5E-07	0.00718	7.35E-04	5.13E-05	0.008047	2.8E-07	8.83E-03	0.000648	3.94E-05	0.015323	2.9E-07	0.016011
4910	488863.09	3862377.25	0.30297	0.47774	0.33104	0.52768	5.69E-04	4.2E-05	0.00719	5.9E-07	0.0078	6.98E-04	5.14E-05	0.008854	3.3E-07	9.60E-03	0.000615	3.95E-05	0.01686	3.41E-07	0.017515
4911	489363.09	3862377.25	0.29734	0.39121	0.3265	0.51552	5.59E-04	3.4E-05	0.00709	5.8E-07	0.00768	6.85E-04	4.21E-05	0.008732	3.22E-07	9.46E-03	0.000604	3.24E-05	0.016629	3.33E-07	0.017265
4912	489863.09	3862377.25	0.35304	0.4254	0.4085	0.52954	6.63E-04	3.7E-05	0.00887	5.9E-07	0.00957	8.13E-04	4.57E-05	0.010926	3.31E-07	1.18E-02	0.000717	3.52E-05	0.020805	3.42E-07	0.021557
4913	490363.09	3862377.25	0.34454	0.48487	0.36751	0.57026	6.47E-04	4.3E-05	0.00798	6.4E-07	0.00867	7.93E-04	5.21E-05	0.009829	3.57E-07	1.07E-02	0.0007	4.01E-05	0.018717	3.68E-07	0.019458
4914	490863.09	3862377.25	0.35681	0.43282	0.35898	0.57389	6.71E-04	3.8E-05	0.0078	6.4E-07	0.0085	8.22E-04	4.65E-05	0.009601	3.59E-07	1.05E-02	0.000724	3.58E-05	0.018283	3.71E-07	0.019044
4915	491363.09	3862377.25	0.35644	0.41699	0.36377	0.55709	6.70E-04	3.7E-05	0.0079	6.2E-07	0.00861	8.21E-04	4.48E-05	0.009729	3.48E-07	1.06E-02	0.000724	3.45E-05	0.018527	3.6E-07	0.019286
4916	491863.09	3862377.25	0.36011	0.48916	0.34876	0.59203	6.77E-04	4.3E-05	0.00757	6.6E-07	0.00829	8.29E-04	5.26E-05	0.009328	3.7E-07	1.02E-02	0.000731	4.05E-05	0.017763	3.82E-07	0.018535
4917	492363.09	3862377.25	0.36923	0.45655	0.37137	0.58768	6.94E-04	4E-05	0.00806	6.6E-07	0.0088	8.50E-04	4.91E-05	0.009933	3.68E-07	1.08E-02	0.00075	3.78E-05	0.018914	3.8E-07	0.019702
4918	492863.09	3862377.25	0.35351	0.4451	0.35429	0.55198	6.64E-04	3.9E-05	0.00769	6.2E-07	0.0084	8.14E-04	4.78E-05	0.009476	3.45E-07	1.03E-02	0.000718	3.68E-05	0.018044	3.57E-07	0.018799
4919	493363.09	3862377.25	0.31738	0.42067	0.30074	0.51445	5.96E-04	3.7E-05	0.00653	5.7E-07	0.00716	7.31E-04	4.52E-05	0.008043	3.22E-07	8.82E-03	0.000644	3.48E-05	0.015317	3.32E-07	0.015996
4920	493863.09	3862377.25	0.26544	0.35786	0.27643	0.4413	4.99E-04	3.1E-05	0.006	4.9E-07	0.00653	6.11E-04	3.85E-05	0.007393	2.76E-07	8.04E-03	0.000539	2.96E-05	0.014079	2.85E-07	0.014648
4921	494363.09	3862377.25	0.27552	0.35972	0.26331	0.41813	5.18E-04	3.2E-05	0.00572	4.7E-07	0.00627	6.34E-04	3.87E-05	0.007042	2.62E-07	7.72E-03	0.000559	2.97E-05	0.013411	2.7E-07	0.014
4922	494863.09	3862377.25	0.24644	0.33989	0.27705	0.40614	4.63E-04	3E-05	0.00602	4.5E-07	0.00651	5.68E-04	3.65E-05	0.00741	2.54E-07	8.01E-03	0.0005	2.81E-05	0.01411	2.62E-07	0.014639
4923	495363.09	3862377.25	0.22871	0.30046	0.23472	0.37617	4.30E-04	2.6E-05	0.0051	4.2E-07	0.00555	5.27E-04	3.23E-05	0.006278	2.35E-07	6.84E-03	0.000464	2.48E-05	0.011954	2.43E-07	0.012444
4924	495863.09	3862377.25	0.24114	0.32453	0.26688	0.39547	4.53E-04	2.8E-05	0.0058	4.4E-07	0.00628	5.55E-04	3.49E-05	0.007138	2.47E-07	7.73E-03	0.00049	2.68E-05	0.013592	2.55E-07	0.014109
4925	496363.09	3862377.25	0.24698	0.32153	0.27642	0.39036	4.64E-04	2.8E-05	0.006	4.4E-07	0.0065	5.69E-04	3.46E-05	0.007393	2.44E-07	8.00E-03	0.000501	2.66E-05	0.014078	2.52E-07	0.014607
4926	496863.09	3862377.25	0.26299	0.34298	0.25292	0.40954	4.94E-04	3E-05	0.00549	4.6E-07	0.00602	6.06E-04	3.69E-05	0.006765	2.56E-07	7.41E-03	0.000534	2.84E-05	0.012881	2.65E-07	0.013444
4927	497363.09	3862377.25	0.25684	0.34855	0.28473	0.44412	4.83E-04	3.1E-05	0.00618	5E-07	0.0067	5.91E-04	3.75E-05	0.007615	2.78E-07	8.24E-03	0.000521	2.88E-05	0.014501	2.87E-07	0.015052
4928	497863.09	3862377.25	0.23805	0.34167	0.26373	0.43227	4.47E-04	3E-05	0.00573	4.8E-07	0.0062	5.48E-04	3.67E-05	0.007054	2.7E-07	7.64E-03	0.000483	2.83E-05	0.013432	2.79E-07	0.013944
4929	498363.09	3862377.25	0.22685	0.31655	0.23533	0.37794	4.26E-04	2.8E-05	0.00511	4.2E-07	0.00556	5.22E-04	3.4E-05	0.006294	2.36E-07	6.85E-03	0.000461	2.62E-05	0.011985	2.44E-07	0.012473
4930	471363.09	3862877.25	0.14238	0.17401	0.14625	0.18525	2.68E-04	1.5E-05	0.00318	2.1E-07	0.00346	3.28E-04	1.87E-05	0.003912	1.16E-07	4.26E-03	0.000289	1.44E-05	0.007449	1.2E-07	0.007752
4931	471863.09	3862877.25	0.14835	0.19424	0.1499	0.18189	2.79E-04	1.7E-05	0.00326	2E-07	0.00355	3.42E-04	2.09E-05	0.004009	1.14E-07	4.37E-03	0.000301	1.61E-05	0.007634	1.17E-07	0.007952
4932	472363.09	3862877.25	0.15154	0.19334	0.16258	0.19462	2.85E-04	1.7E-05	0.00353	2.2E-07	0.00383	3.49E-04	2.08E-05	0.004348	1.22E-07	4.72E-03	0.000308	1.6E-05	0.00828	1.26E-07	0.008604
4933	472863.09	3862877.25	0.16065	0.19353	0.16997	0.21092	3.02E-04	1.7E-05	0.00369	2.4E-07	0.00401	3.70E-04	2.08E-05	0.004546	1.32E-07	4.94E-03	0.000326	1.6E-05	0.008657	1.36E-07	0.008999
4934	473363.09	3862877.25	0.15656	0.2137	0.1824	0.20932	2.94E-04	1.9E-05	0.00396	2.3E-07	0.00427	3.61E-04	2.3E-05	0.004878	1.31E-07	5.26E-03	0.000318	1.77E-05	0.00929	1.35E-07	0.009625
4935	473863.09	3862877.25	0.15874	0.23629	0.18609	0.20353	2.98E-04	2.1E-05	0.00404	2.3E-07	0.00436	3.66E-04	2.54E-05	0.004977	1.27E-07	5.37E-03	0.000322	1.95E-05	0.009478	1.31E-07	0.00982
4936	474363.09	3862877.25	0.17091	0.23746	0.19515	0.21622	3.21E-04	2.1E-05	0.00424	2.4E-07	0.00458	3.94E-04	2.55E-05	0.005219	1.35E-07	5.64E-03	0.000347	1.96E-05	0.009939	1.4E-07	0.010306
4937	474863.09	3862877.25	0.19069	0.2457	0.21625	0.24131	3.58E-04	2.2E-05	0.0047	2.7E-07	0.00508	4.39E-04	2.64E-05	0.005784	1.51E-07	6.25E-03	0.000387	2.03E-05	0.011014	1.56E-07	0.011421

4938	475363.09	3862877.25	0.20193	0.25426	0.21232	0.24627	3.79E-04	2.2E-05	0.00461	2.8E-07	0.00501	4.65E-04	2.73E-05	0.005679	1.54E-07	6.17E-03	0.00041	2.1E-05	0.010814	1.59E-07	0.011245
4939	475863.09	3862877.25	0.20855	0.26417	0.20722	0.2476	3.92E-04	2.3E-05	0.0045	2.8E-07	0.00492	4.80E-04	2.84E-05	0.005542	1.55E-07	6.05E-03	0.000423	2.18E-05	0.010554	1.6E-07	0.010999
4940	476363.09	3862877.25	0.21102	0.27652	0.2024	0.27063	3.97E-04	2.4E-05	0.0044	3E-07	0.00482	4.86E-04	2.97E-05	0.005413	1.69E-07	5.93E-03	0.000428	2.29E-05	0.010308	1.75E-07	0.01076
4941	476863.09	3862877.25	0.21398	0.29565	0.22682	0.27816	4.02E-04	2.6E-05	0.00493	3.1E-07	0.00535	4.93E-04	3.18E-05	0.006066	1.74E-07	6.59E-03	0.000434	2.44E-05	0.011552	1.8E-07	0.012011
4942	477363.09	3862877.25	0.22347	0.33663	0.22846	0.27781	4.20E-04	3E-05	0.00496	3.1E-07	0.00541	5.15E-04	3.62E-05	0.00611	1.74E-07	6.66E-03	0.000454	2.78E-05	0.011636	1.79E-07	0.012117
4943	477863.09	3862877.25	0.23832	0.39336	0.26108	0.25345	4.48E-04	3.5E-05	0.00567	2.8E-07	0.00615	5.49E-04	4.23E-05	0.006983	1.59E-07	7.57E-03	0.000484	3.25E-05	0.013297	1.64E-07	0.013814
4944	478363.09	3862877.25	0.24357	0.36063	0.27263	0.2256	4.58E-04	3.2E-05	0.00592	2.5E-07	0.00641	5.61E-04	3.88E-05	0.007292	1.41E-07	7.89E-03	0.000495	2.98E-05	0.013885	1.46E-07	0.01441
4945	478863.09	3862877.25	0.25166	0.36114	0.3067	0.24066	4.73E-04	3.2E-05	0.00666	2.7E-07	0.00717	5.80E-04	3.88E-05	0.008203	1.51E-07	8.82E-03	0.000511	2.99E-05	0.01562	1.55E-07	0.016161
4946	479363.09	3862877.25	0.25943	0.3766	0.31952	0.25239	4.88E-04	3.3E-05	0.00694	2.8E-07	0.00746	5.97E-04	4.05E-05	0.008546	1.58E-07	9.18E-03	0.000527	3.11E-05	0.016273	1.63E-07	0.016831
4947	479863.09	3862877.25	0.2469	0.35571	0.29086	0.35129	4.64E-04	3.1E-05	0.00632	3.9E-07	0.00681	5.69E-04	3.82E-05	0.007779	2.2E-07	8.39E-03	0.000501	2.94E-05	0.014814	2.27E-07	0.015345
4948	480363.09	3862877.25	0.25981	0.35759	0.24843	0.35345	4.88E-04	3.1E-05	0.00539	3.9E-07	0.00591	5.98E-04	3.84E-05	0.006644	2.21E-07	7.28E-03	0.000528	2.96E-05	0.012653	2.28E-07	0.01321
4949	480863.09	3862877.25	0.25836	0.38646	0.25008	0.37775	4.86E-04	3.4E-05	0.00543	4.2E-07	0.00595	5.95E-04	4.15E-05	0.006689	2.36E-07	7.33E-03	0.000525	3.2E-05	0.012737	2.44E-07	0.013293
4950	481363.09	3862877.25	0.26081	0.34147	0.29721	0.37552	4.90E-04	3E-05	0.00645	4.2E-07	0.00697	6.01E-04	3.67E-05	0.007949	2.35E-07	8.59E-03	0.00053	2.82E-05	0.015137	2.43E-07	0.015695
4951	481863.09	3862877.25	0.25817	0.38252	0.28571	0.36719	4.85E-04	3.4E-05	0.0062	4.1E-07	0.00672	5.95E-04	4.11E-05	0.007642	2.3E-07	8.28E-03	0.000524	3.16E-05	0.014551	2.37E-07	0.015107
4952	482363.09	3862877.25	0.24969	0.36829	0.28935	0.36366	4.69E-04	3.2E-05	0.00628	4.1E-07	0.00679	5.75E-04	3.96E-05	0.007739	2.27E-07	8.35E-03	0.000507	3.05E-05	0.014737	2.35E-07	0.015274
4953	482863.09	3862877.25	0.25652	0.43188	0.29197	0.38933	4.82E-04	3.8E-05	0.00634	4.4E-07	0.00686	5.91E-04	4.64E-05	0.007809	2.44E-07	8.45E-03	0.000521	3.57E-05	0.01487	2.51E-07	0.015427
4954	483363.09	3862877.25	0.23741	0.35663	0.26483	0.37676	4.46E-04	3.1E-05	0.00575	4.2E-07	0.00623	5.47E-04	3.83E-05	0.007083	2.36E-07	7.67E-03	0.000482	2.95E-05	0.013488	2.43E-07	0.014
4955	483863.09	3862877.25	0.24307	0.45623	0.27621	0.34514	4.57E-04	4E-05	0.006	3.9E-07	0.0065	5.60E-04	4.9E-05	0.007387	2.16E-07	8.00E-03	0.000494	3.77E-05	0.014068	2.23E-07	0.014599
4956	484363.09	3862877.25	0.23217	0.44071	0.27971	0.36247	4.36E-04	3.9E-05	0.00607	4E-07	0.00655	5.35E-04	4.74E-05	0.007481	2.27E-07	8.06E-03	0.000471	3.64E-05	0.014246	2.34E-07	0.014754
4957	484863.09	3862877.25	0.21846	0.48595	0.24766	0.36401	4.11E-04	4.3E-05	0.00538	4.1E-07	0.00583	5.03E-04	5.22E-05	0.006624	2.28E-07	7.18E-03	0.000444	4.02E-05	0.012613	2.35E-07	0.013097
4958	485363.09	3862877.25	0.21623	0.43902	0.24193	0.34048	4.06E-04	3.9E-05	0.00525	3.8E-07	0.0057	4.98E-04	4.72E-05	0.006471	2.13E-07	7.02E-03	0.000439	3.63E-05	0.012322	2.2E-07	0.012797
4959	485863.09	3862877.25	0.22501	0.36895	0.24465	0.32648	4.23E-04	3.2E-05	0.00531	3.6E-07	0.00577	5.18E-04	3.97E-05	0.006543	2.04E-07	7.10E-03	0.000457	3.05E-05	0.01246	2.11E-07	0.012948
4960	486363.09	3862877.25	0.23662	0.4095	0.27411	0.34958	4.45E-04	3.6E-05	0.00595	3.9E-07	0.00643	5.45E-04	4.4E-05	0.007331	2.19E-07	7.92E-03	0.00048	3.39E-05	0.013961	2.26E-07	0.014475
4961	486863.09	3862877.25	0.24515	0.36331	0.28853	0.35088	4.61E-04	3.2E-05	0.00627	3.9E-07	0.00676	5.65E-04	3.91E-05	0.007717	2.19E-07	8.32E-03	0.000498	3E-05	0.014695	2.27E-07	0.015223
4962	487363.09	3862877.25	0.24216	0.34857	0.29341	0.34655	4.55E-04	3.1E-05	0.00637	3.9E-07	0.00686	5.58E-04	3.75E-05	0.007847	2.17E-07	8.44E-03	0.000492	2.88E-05	0.014944	2.24E-07	0.015464
4963	487863.09	3862877.25	0.25078	0.37941	0.29546	0.39147	4.71E-04	3.3E-05	0.00642	4.4E-07	0.00692	5.77E-04	4.08E-05	0.007902	2.45E-07	8.52E-03	0.000509	3.14E-05	0.015048	2.53E-07	0.015589
4964	488363.09	3862877.25	0.26664	0.37152	0.28199	0.40692	5.01E-04	3.3E-05	0.00612	4.5E-07	0.00666	6.14E-04	3.99E-05	0.007542	2.55E-07	8.20E-03	0.000541	3.07E-05	0.014362	2.63E-07	0.014934
4965	488863.09	3862877.25	0.27531	0.41236	0.28649	0.4736	5.17E-04	3.6E-05	0.00622	5.3E-07	0.00678	6.34E-04	4.43E-05	0.007662	2.96E-07	8.34E-03	0.000559	3.41E-05	0.014591	3.06E-07	0.015184
4966	489363.09	3862877.25	0.2738	0.36419	0.29928	0.46615	5.15E-04	3.2E-05	0.0065	5.2E-07	0.00705	6.31E-04	3.92E-05	0.008004	2.92E-07	8.67E-03	0.000556	3.01E-05	0.015243	3.01E-07	0.015829
4967	489863.09	3862877.25	0.28235	0.37912	0.34605	0.45857	5.31E-04	3.3E-05	0.00751	5.1E-07	0.00808	6.50E-04	4.08E-05	0.009255	2.87E-07	9.95E-03	0.000573	3.14E-05	0.017625	2.96E-07	0.018229
4968	490363.09	3862877.25	0.32403	0.44376	0.34498	0.55049	6.09E-04	3.9E-05	0.00749	6.2E-07	0.00814	7.46E-04	4.77E-05	0.009227	3.44E-07	1.00E-02	0.000658	3.67E-05	0.01757	3.56E-07	0.018265
4969	490863.09	3862877.25	0.32845	0.41652	0.32074	0.5457	6.17E-04	3.7E-05	0.00697	6.1E-07	0.00762	7.56E-04	4.48E-05	0.008578	3.41E-07	9.38E-03	0.000667	3.44E-05	0.016335	3.53E-07	0.017037
4970	491363.09	3862877.25	0.31869	0.40516	0.34219	0.52369	5.99E-04	3.6E-05	0.00743	5.9E-07	0.00807	7.34E-04	4.36E-05	0.009152	3.28E-07	9.93E-03	0.000647	3.35E-05	0.017428	3.38E-07	0.018109
4971	491863.09	3862877.25	0.31175	0.37378	0.31533	0.51156	5.86E-04	3.3E-05	0.00685	5.7E-07	0.00747	7.18E-04	4.02E-05	0.008434	3.2E-07	9.19E-03	0.000633	3.09E-05	0.01606	3.3E-07	0.016724
4972	492363.09	3862877.25	0.31089	0.44585	0.31591	0.51891	5.84E-04	3.9E-05	0.00686	5.8E-07	0.00748	7.16E-04	4.79E-05	0.008449	3.25E-07	9.21E-03	0.000631	3.69E-05	0.016089	3.35E-07	0.016758
4973	492863.09	3862877.25	0.32025	0.40901	0.33866	0.52808	6.02E-04	3.6E-05	0.00735	5.9E-07	0.00799	7.37E-04	4.4E-05	0.009058	3.3E-07	9.84E-03	0.00065	3.38E-05	0.017248	3.41E-07	0.017933
4974	493363.09	3862877.25	0.31622	0.40671	0.32019	0.51406	5.94E-04	3.6E-05	0.00695	5.7E-07	0.00758	7.28E-04	4.37E-05	0.008564	3.22E-07	9.34E-03	0.000642	3.36E-05	0.016307	3.32E-07	0.016983
4975	493863.09	3862877.25	0.28724	0.39475	0.26986	0.46663	5.40E-04	3.5E-05	0.00586	5.2E-07	0.00644	6.61E-04	4.24E-05	0.007218	2.92E-07	7.92E-03	0.000583	3.26E-05	0.013744	3.01E-07	0.01436
4976	494363.09	3862877.25	0.23872	0.34438	0.26195	0.42064	4.49E-04	3E-05	0.00569	4.7E-07	0.00617	5.50E-04	3.7E-05	0.007006	2.63E-07	7.59E-03	0.000485	2.85E-05	0.013341	2.72E-07	0.013855
4977	494863.09	3862877.25	0.23469	0.32619	0.23862	0.39146	4.41E-04	2.9E-05	0.00518	4.4E-07	0.00565	5.40E-04	3.51E-05	0.006382	2.45E-07	6.96E-03	0.000477	2.7E-05	0.012153	2.53E-07	0.012657
4978	495363.09	3862877.25	0.23685	0.31139	0.24121	0.3777	4.45E-04	2.7E-05	0.00524	4.2E-07	0.00571	5.45E-04	3.35E-05	0.006451	2.36E-07	7.03E-03	0.000481	2.58E-05	0.012285	2.44E-07	0.012792
4979	495863.09	3862877.25	0.20378	0.27746	0.20832	0.33506	3.83E-04	2.4E-05	0.00452	3.7E-07	0.00493	4.69E-04	2.98E-05	0.005572	2.1E-07	6.07E-03	0.000414	2.29E-05	0.01061	2.16E-07	0.011047
4980	496363.09	3862877.25	0.20809	0.27853	0.20742	0.34348	3.91E-04	2.4E-05	0.0045	3.8E-07	0.00492	4.79E-04	2.99E-05	0.005548	2.15E-07	6.06E-03	0.000423	2.3E-05	0.010564	2.22E-07	0.01101
4981	496863.09	3862877.25	0.22272	0.29198	0.21748	0.35038	4.19E-04	2.6E-05	0.00472	3.9E-07	0.00517	5.13E-04	3.14E-05	0.005817	2.19E-07	6.36E-03	0.000452	2.41E-05	0.011076	2.26E-07	0.011553
4982	497363.09	3862877.25	0.21533	0.29411	0.24855	0.34636	4.05E-04	2.6E-05	0.0054	3.9E-07	0.00583	4.96E-04	3.16E-05	0.006648	2.17E-07	7.18E-03	0.000437	2.43E-05	0.012659	2.24E-07	0.013121
4983	497863.09	3862877.25	0.22704	0.30427	0.21591	0.35737	4.27E-04	2.7E-05	0.00469	4E-07	0.00514	5.23E-04	3.27E-05	0.005775	2.24E-07	6.33E-03	0.000461	2.52E-05	0.010996	2.31E-07	0.011483
4984	498363.09	3862877.25	0.22308	0.31334	0.25277	0.39588	4.19E-04	2.7E-05	0.00549	4.4E-07	0.00594	5.14E-04	3.37E-05	0.006761	2.48E-07	7.31E-03	0.000453	2.59E-05	0.012874	2.56E-07	0.013353
4985	471363.09	3863377.25	0.13356	0.17042	0.14377	0.17431	2.51E-04	1.5E-05	0.00312	1.9E-07	0.00339	3.08E-04	1.83E-05	0.003845	1.09E-07	4.17E-03	0.000271	1.41E-05	0.007322	1.13E-07	0.007608
4986	471863.09	3863377.25	0.14213	0.18443	0.15197	0.18514	2.67E-04	1.6E-05	0.0033	2.1E-07	0.00358	3.27E-04	1.98E-05	0.004065	1.16E-07	4.41E-03	0.000289	1.53E-05	0.00774	1.2E-07	0.008044
4987	472363.09	3863377.25	0.14358	0.19985	0.16719	0.18906	2.70E-04	1.8E-05	0.00363	2.1E-07	0.00392	3.31E-04	2.15E-05	0.004472	1.18E-07	4.82E-03	0.000292	1.65E-05	0.008515	1.22E-07	0.008823
4988	472863.09	3863377.25	0.14275	0.20053	0.1705	0.18543	2.68E-04	1.8E-05	0.0037	2.1E-07	0.00399	3.29E-04	2.16E-05	0.00456	1.16E-07	4.91E-03	0.00029	1.66E-05	0.008684	1.2E-07	0.00899
4989	473363.09	3863377.25	0.1471	0.21843	0.17432	0.19152	2.76E-04	1.9E-05	0.00379	2.1E-07	0.00408	3.39E-04	2.35E-05	0.004662	1.2E-07	5.02E-03	0.000299	1.81E-05	0.008878	1.24E-07	0.009195
4990	473863.09	3863377.25	0.16533	0.21475	0.18222	0.21706	3.11E-04	1.9E-05	0.00396	2.4E-07	0.00429	3.81E-04	2.31E-05	0.004874	1.36E-07	5.28E-03	0.000336	1.78E-05	0.009281	1.4E-07	0.009634
4991	474363.09	3863377.25	0.17415	0.22057	0.18797	0.21645	3.27E-04	1.9E-05	0.00408	2.4E-07	0.00443	4.01E-04	2.37E-05	0.005027	1.35E-07	5.45E-03	0.000354	1.82E-05	0.009573	1.4E-07	0.009945
4992	474863.09	3863377.25	0.18534	0.22983	0.18524	0.21587	3.48E-04	2E-05	0.00402	2.4E-07	0.00439	4.27E-04	2.47E-05	0.004954	1.35E-07	5.41E-03	0.000376	1.9E-05	0.009434	1.39E-07	0.00983
4993	475363.09	3863377.25	0.19157	0.24579	0.18035	0.24267	3.60E-04	2.2E-05	0.00392	2.7E-07	0.0043	4.41E-04	2.64E-05	0.004824	1.52E-07	5.29E-03	0.000389	2.03E-05	0.009185	1.57E-07	0.009595
4994	475863.09	3863377.25	0.19249	0.24814	0.18803	0.26204	3.62E-04	2.2E-05	0.00408	2.9E-07	0.00447	4.43E-04	2.67E-05	0.005029	1.64E-07	5.50E-03	0.000391	2.05E-05	0.009576	1.69E-07	0.009988
4995	476363.09	3863377.25	0.19221	0.276	0.21185	0.24583	3.61E-04	2.4E-05	0.0046	2.7E-07	0.00499	4.43E-04	2.97E-05	0.005666	1.54E-07	6.14E-03	0.00039	2.28E-05	0.01079	1.59E-07	0.011203
4996	476863.09	3863377.25	0.19221	0.29746	0.20537	0.26463	3.61E-04	2.6E-05	0.00446	3E-07	0.00485	4.43E-04	3.2E-05	0.005493	1.66E-07	5.97E-03	0.00039	2.46E-05	0.01046	1.71E-07	0.010875
4997	477363.09	3863377.25	0.20412	0.3062	0.22022	0.26013	3.84E-04	2.7E-05	0.00478	2.9E-07	0.00519	4.70E-04	3.29E-05	0.00589	1.63E-07	6.39E-03	0.000414	2.53E-05	0.011216	1.68E-07	0.011656
4998	477863.09	3863377.25	0.2169	0.27512	0.22992	0.2848	4.08E-04	2.4E-05	0.00499	3.2E-07	0.00542	4.99E-04	2.96E-05	0.006149	1.78E-07	6.68E-03	0.00044	2.28E-05	0.01171	1.84E-07	0.012173

4999	478363.09	3863377.25	0.23293	0.31807	0.27667	0.27364	4.38E-04	2.8E-05	0.00601	3.1E-07	0.00647	5.36E-04	3.42E-05	0.0074	1.71E-07	7.97E-03	0.000473	2.63E-05	0.014091	1.77E-07	0.01459
5000	478863.09	3863377.25	0.24152	0.34683	0.29627	0.28846	4.54E-04	3E-05	0.00643	3.2E-07	0.00692	5.56E-04	3.73E-05	0.007924	1.8E-07	8.52E-03	0.00049	2.87E-05	0.015089	1.86E-07	0.015608
5001	479363.09	3863377.25	0.22658	0.32605	0.26827	0.32296	4.26E-04	2.9E-05	0.00583	3.6E-07	0.00628	5.22E-04	3.51E-05	0.007175	2.02E-07	7.73E-03	0.00046	2.7E-05	0.013663	2.09E-07	0.01415
5002	479863.09	3863377.25	0.23328	0.34615	0.22736	0.33429	4.38E-04	3E-05	0.00494	3.7E-07	0.00541	5.37E-04	3.72E-05	0.006081	2.09E-07	6.66E-03	0.000474	2.86E-05	0.01158	2.16E-07	0.012082
5003	480363.09	3863377.25	0.23061	0.31909	0.21353	0.33609	4.33E-04	2.8E-05	0.00464	3.8E-07	0.0051	5.31E-04	3.43E-05	0.005711	2.1E-07	6.28E-03	0.000468	2.64E-05	0.010875	2.17E-07	0.01137
5004	480863.09	3863377.25	0.22341	0.27592	0.25445	0.35284	4.20E-04	2.4E-05	0.00553	3.9E-07	0.00597	5.14E-04	2.97E-05	0.006805	2.21E-07	7.35E-03	0.000454	2.28E-05	0.012959	2.28E-07	0.013436
5005	481363.09	3863377.25	0.22993	0.34271	0.26163	0.33276	4.32E-04	3E-05	0.00568	3.7E-07	0.00614	5.29E-04	3.68E-05	0.006997	2.08E-07	7.56E-03	0.000467	2.83E-05	0.013325	2.15E-07	0.01382
5006	481863.09	3863377.25	0.22781	0.34798	0.26549	0.32704	4.28E-04	3.1E-05	0.00577	3.7E-07	0.00622	5.25E-04	3.74E-05	0.007101	2.05E-07	7.66E-03	0.000463	2.88E-05	0.013522	2.11E-07	0.014013
5007	482363.09	3863377.25	0.23524	0.3915	0.27218	0.35456	4.42E-04	3.4E-05	0.00591	4E-07	0.00639	5.42E-04	4.21E-05	0.00728	2.22E-07	7.86E-03	0.000478	3.24E-05	0.013862	2.29E-07	0.014373
5008	482863.09	3863377.25	0.21723	0.3314	0.25816	0.35581	4.08E-04	2.9E-05	0.00561	4E-07	0.00604	5.00E-04	3.56E-05	0.006905	2.23E-07	7.44E-03	0.000441	2.74E-05	0.013148	2.3E-07	0.013617
5009	483363.09	3863377.25	0.22871	0.35566	0.25574	0.33484	4.30E-04	3.1E-05	0.00555	3.7E-07	0.00602	5.27E-04	3.82E-05	0.00684	2.09E-07	7.41E-03	0.000464	2.94E-05	0.013025	2.16E-07	0.013519
5010	483863.09	3863377.25	0.21478	0.39934	0.24932	0.32632	4.04E-04	3.5E-05	0.00541	3.6E-07	0.00585	4.95E-04	4.29E-05	0.006668	2.04E-07	7.21E-03	0.000436	3.3E-05	0.012698	2.11E-07	0.013167
5011	484363.09	3863377.25	0.21207	0.4522	0.25	0.33904	3.99E-04	4E-05	0.00543	3.8E-07	0.00587	4.88E-04	4.86E-05	0.006686	2.12E-07	7.22E-03	0.000431	3.74E-05	0.012733	2.19E-07	0.013201
5012	484863.09	3863377.25	0.2002	0.37758	0.22668	0.32314	3.76E-04	3.3E-05	0.00492	3.6E-07	0.00533	4.61E-04	4.06E-05	0.006063	2.02E-07	6.56E-03	0.000406	3.12E-05	0.011545	2.09E-07	0.011983
5013	485363.09	3863377.25	0.19444	0.41432	0.22153	0.30416	3.65E-04	3.6E-05	0.00481	3.4E-07	0.00521	4.48E-04	4.45E-05	0.005925	1.9E-07	6.42E-03	0.000395	3.43E-05	0.011283	1.96E-07	0.011712
5014	485863.09	3863377.25	0.20371	0.3444	0.22404	0.28436	3.83E-04	3E-05	0.00487	3.2E-07	0.00528	4.69E-04	3.7E-05	0.005992	1.78E-07	6.50E-03	0.000414	2.85E-05	0.01141	1.84E-07	0.011853
5015	486363.09	3863377.25	0.2177	0.33916	0.25295	0.31748	4.09E-04	3E-05	0.00549	3.5E-07	0.00593	5.01E-04	3.65E-05	0.006765	1.99E-07	7.30E-03	0.000442	2.8E-05	0.012883	2.05E-07	0.013353
5016	486863.09	3863377.25	0.21911	0.31872	0.27035	0.32244	4.12E-04	2.8E-05	0.00587	3.6E-07	0.00631	5.05E-04	3.43E-05	0.007231	2.02E-07	7.77E-03	0.000445	2.64E-05	0.013769	2.08E-07	0.014241
5017	487363.09	3863377.25	0.21709	0.31496	0.27148	0.32657	4.08E-04	2.8E-05	0.0059	3.6E-07	0.00633	5.00E-04	3.39E-05	0.007261	2.04E-07	7.79E-03	0.000441	2.6E-05	0.013827	2.11E-07	0.014294
5018	487863.09	3863377.25	0.22726	0.34731	0.25976	0.35637	4.27E-04	3E-05	0.00564	4E-07	0.0061	5.23E-04	3.73E-05	0.006947	2.23E-07	7.51E-03	0.000461	2.87E-05	0.01323	2.3E-07	0.01372
5019	488363.09	3863377.25	0.24279	0.32834	0.2625	0.3574	4.56E-04	2.9E-05	0.0057	4E-07	0.00619	5.59E-04	3.53E-05	0.007021	2.24E-07	7.62E-03	0.000493	2.72E-05	0.013369	2.31E-07	0.01389
5020	488863.09	3863377.25	0.25513	0.41297	0.23282	0.38702	4.79E-04	3.6E-05	0.00506	4.3E-07	0.00557	5.88E-04	4.44E-05	0.006227	2.42E-07	6.86E-03	0.000518	3.42E-05	0.011858	2.5E-07	0.01241
5021	489363.09	3863377.25	0.24634	0.33236	0.27562	0.40667	4.63E-04	2.9E-05	0.00599	4.5E-07	0.00648	5.67E-04	3.57E-05	0.007372	2.54E-07	7.97E-03	0.0005	2.75E-05	0.014037	2.63E-07	0.014565
5022	489863.09	3863377.25	0.24122	0.32894	0.2706	0.44573	4.53E-04	2.9E-05	0.00588	5E-07	0.00636	5.55E-04	3.54E-05	0.007237	2.79E-07	7.83E-03	0.00049	2.72E-05	0.013782	2.88E-07	0.014299
5023	490363.09	3863377.25	0.27516	0.34577	0.33888	0.43597	5.17E-04	3E-05	0.00736	4.9E-07	0.00791	6.34E-04	3.72E-05	0.009064	2.73E-07	9.73E-03	0.000559	2.86E-05	0.017259	2.82E-07	0.017847
5024	490863.09	3863377.25	0.2954	0.39249	0.31676	0.48897	5.55E-04	3.4E-05	0.00688	5.5E-07	0.00747	6.80E-04	4.22E-05	0.008472	3.06E-07	9.19E-03	0.0006	3.25E-05	0.016133	3.16E-07	0.016765
5025	491363.09	3863377.25	0.30443	0.37286	0.28736	0.46169	5.72E-04	3.3E-05	0.00624	5.2E-07	0.00685	7.01E-04	4.01E-05	0.007686	2.89E-07	8.43E-03	0.000618	3.08E-05	0.014635	2.98E-07	0.015285
5026	491863.09	3863377.25	0.27204	0.37471	0.2969	0.48031	5.11E-04	3.3E-05	0.00645	5.4E-07	0.00699	6.26E-04	4.03E-05	0.007941	3E-07	8.61E-03	0.000552	3.1E-05	0.015121	3.1E-07	0.015705
5027	492363.09	3863377.25	0.27819	0.36151	0.28054	0.46595	5.23E-04	3.2E-05	0.00609	5.2E-07	0.00665	6.41E-04	3.89E-05	0.007503	2.91E-07	8.18E-03	0.000565	2.99E-05	0.014288	3.01E-07	0.014883
5028	492863.09	3863377.25	0.28224	0.42677	0.29722	0.48062	5.30E-04	3.7E-05	0.00645	5.4E-07	0.00702	6.50E-04	4.59E-05	0.007949	3.01E-07	8.65E-03	0.000573	3.53E-05	0.015138	3.1E-07	0.015746
5029	493363.09	3863377.25	0.29851	0.39304	0.328	0.4911	5.61E-04	3.4E-05	0.00712	5.5E-07	0.00772	6.87E-04	4.23E-05	0.008773	3.07E-07	9.50E-03	0.000606	3.25E-05	0.016705	3.17E-07	0.017344
5030	493863.09	3863377.25	0.30109	0.40602	0.30606	0.47461	5.66E-04	3.6E-05	0.00665	5.3E-07	0.00725	6.93E-04	4.36E-05	0.008186	2.97E-07	8.92E-03	0.000611	3.36E-05	0.015588	3.07E-07	0.016233
5031	494363.09	3863377.25	0.26382	0.37006	0.25586	0.42739	4.96E-04	3.2E-05	0.00556	4.8E-07	0.00608	6.08E-04	3.98E-05	0.006843	2.67E-07	7.49E-03	0.000536	3.06E-05	0.013031	2.76E-07	0.013598
5032	494863.09	3863377.25	0.2453	0.33557	0.2566	0.38784	4.61E-04	2.9E-05	0.00557	4.3E-07	0.00606	5.65E-04	3.61E-05	0.006863	2.43E-07	7.46E-03	0.000498	2.78E-05	0.013069	2.51E-07	0.013595
5033	495363.09	3863377.25	0.21573	0.32174	0.23182	0.36029	4.05E-04	2.8E-05	0.00503	4E-07	0.00547	4.97E-04	3.46E-05	0.0062	2.25E-07	6.73E-03	0.000438	2.66E-05	0.011807	2.33E-07	0.012272
5034	495863.09	3863377.25	0.22661	0.30157	0.21857	0.34913	4.26E-04	2.6E-05	0.00475	3.9E-07	0.0052	5.22E-04	3.24E-05	0.005846	2.18E-07	6.40E-03	0.00046	2.49E-05	0.011132	2.26E-07	0.011617
5035	496363.09	3863377.25	0.1964	0.2772	0.2174	0.32531	3.69E-04	2.4E-05	0.00472	3.6E-07	0.00511	4.52E-04	2.98E-05	0.005815	2.03E-07	6.30E-03	0.000399	2.29E-05	0.011072	2.1E-07	0.011494
5036	496863.09	3863377.25	0.18252	0.23917	0.18735	0.29377	3.43E-04	2.1E-05	0.00407	3.3E-07	0.00443	4.20E-04	2.57E-05	0.005011	1.84E-07	5.46E-03	0.000371	1.98E-05	0.009542	1.9E-07	0.009932
5037	497363.09	3863377.25	0.19118	0.25371	0.19837	0.30579	3.59E-04	2.2E-05	0.00431	3.4E-07	0.00469	4.40E-04	2.73E-05	0.005306	1.91E-07	5.77E-03	0.000388	2.1E-05	0.010103	1.98E-07	0.010512
5038	497863.09	3863377.25	0.20066	0.26081	0.1943	0.31822	3.77E-04	2.3E-05	0.00422	3.6E-07	0.00462	4.62E-04	2.8E-05	0.005197	1.99E-07	5.69E-03	0.000407	2.16E-05	0.009896	2.06E-07	0.010325
5039	498363.09	3863377.25	0.19088	0.26648	0.21384	0.29954	3.59E-04	2.3E-05	0.00464	3.3E-07	0.00503	4.40E-04	2.86E-05	0.005719	1.87E-07	6.19E-03	0.000388	2.2E-05	0.010891	1.93E-07	0.011301
5040	471363.09	3863877.25	0.13219	0.18381	0.14987	0.1726	2.48E-04	1.6E-05	0.00325	1.9E-07	0.00352	3.04E-04	1.98E-05	0.004008	1.08E-07	4.33E-03	0.000268	1.52E-05	0.007633	1.11E-07	0.007917
5041	471863.09	3863877.25	0.12904	0.18265	0.15626	0.17145	2.42E-04	1.6E-05	0.00339	1.9E-07	0.00365	2.97E-04	1.96E-05	0.004179	1.07E-07	4.50E-03	0.000262	1.51E-05	0.007958	1.11E-07	0.008236
5042	472363.09	3863877.25	0.13383	0.19674	0.15716	0.17334	2.51E-04	1.7E-05	0.00341	1.9E-07	0.00368	3.08E-04	2.11E-05	0.004203	1.08E-07	4.53E-03	0.000272	1.63E-05	0.008004	1.12E-07	0.008292
5043	472863.09	3863877.25	0.1442	0.20433	0.16472	0.19346	2.71E-04	1.8E-05	0.00358	2.2E-07	0.00387	3.32E-04	2.2E-05	0.004406	1.21E-07	4.76E-03	0.000293	1.69E-05	0.008389	1.25E-07	0.008699
5044	473363.09	3863877.25	0.15588	0.19326	0.17354	0.20145	2.93E-04	1.7E-05	0.00377	2.3E-07	0.00408	3.59E-04	2.08E-05	0.004641	1.26E-07	5.02E-03	0.000316	1.6E-05	0.008838	1.3E-07	0.009171
5045	473863.09	3863877.25	0.16224	0.20384	0.16944	0.20359	3.05E-04	1.8E-05	0.00368	2.3E-07	0.004	3.74E-04	2.19E-05	0.004532	1.27E-07	4.93E-03	0.000329	1.69E-05	0.00863	1.32E-07	0.008976
5046	474363.09	3863877.25	0.16712	0.23282	0.16237	0.20993	3.14E-04	2E-05	0.00353	2.3E-07	0.00386	3.85E-04	2.5E-05	0.004343	1.31E-07	4.75E-03	0.000339	1.93E-05	0.00827	1.36E-07	0.008628
5047	474863.09	3863877.25	0.17215	0.22372	0.1604	0.23653	3.24E-04	2E-05	0.00348	2.6E-07	0.00383	3.96E-04	2.41E-05	0.00429	1.48E-07	4.71E-03	0.00035	1.85E-05	0.008169	1.53E-07	0.008537
5048	475363.09	3863877.25	0.17609	0.22902	0.1749	0.22153	3.31E-04	2E-05	0.0038	2.5E-07	0.00415	4.06E-04	2.46E-05	0.004678	1.39E-07	5.11E-03	0.000358	1.89E-05	0.008908	1.43E-07	0.009284
5049	475863.09	3863877.25	0.17469	0.23629	0.19432	0.2264	3.28E-04	2.1E-05	0.00422	2.5E-07	0.00457	4.02E-04	2.54E-05	0.005197	1.42E-07	5.63E-03	0.000355	1.95E-05	0.009897	1.46E-07	0.010271
5050	476363.09	3863877.25	0.17695	0.26299	0.18597	0.23626	3.33E-04	2.3E-05	0.00404	2.6E-07	0.00439	4.07E-04	2.83E-05	0.004974	1.48E-07	5.41E-03	0.000359	2.17E-05	0.009472	1.53E-07	0.009853
5051	476863.09	3863877.25	0.18416	0.25911	0.19377	0.23135	3.46E-04	2.3E-05	0.00421	2.6E-07	0.00458	4.24E-04	2.79E-05	0.005183	1.45E-07	5.63E-03	0.000374	2.14E-05	0.009869	1.49E-07	0.010264
5052	477363.09	3863877.25	0.19324	0.24128	0.20006	0.26499	3.63E-04	2.1E-05	0.00434	3E-07	0.00473	4.45E-04	2.59E-05	0.005351	1.66E-07	5.82E-03	0.000392	2E-05	0.010189	1.71E-07	0.010602
5053	477863.09	3863877.25	0.20393	0.29433	0.22514	0.26799	3.83E-04	2.6E-05	0.00489	3E-07	0.0053	4.70E-04	3.16E-05	0.006022	1.68E-07	6.52E-03	0.000414	2.43E-05	0.011467	1.73E-07	0.011905
5054	478363.09	3863877.25	0.21245	0.29367	0.25605	0.26618	3.99E-04	2.6E-05	0.00556	3E-07	0.00599	4.89E-04	3.16E-05	0.006848	1.66E-07	7.37E-03	0.000431	2.43E-05	0.013041	1.72E-07	0.013497
5055	478863.09	3863877.25	0.20767	0.3013	0.24361	0.28831	3.90E-04	2.6E-05	0.00529	3.2E-07	0.00571	4.78E-04	3.24E-05	0.006516	1.8E-07	7.03E-03	0.000422	2.49E-05	0.012407	1.86E-07	0.012854
5056	479363.09	3863877.25	0.21198	0.29002	0.20957	0.31063	3.98E-04	2.5E-05	0.00455	3.5E-07	0.00498	4.88E-04	3.12E-05	0.005605	1.94E-07	6.12E-03	0.00043	2.4E-05	0.010674	2.01E-07	0.011128
5057	479863.09	3863877.25	0.20768	0.29373	0.1958	0.29655	3.90E-04	2.6E-05	0.00425	3.3E-07	0.00467	4.78E-04	3.16E-05	0.005237	1.85E-07	5.75E-03	0.000422	2.43E-05	0.009972	1.92E-07	0.010418
5058	480363.09	3863877.25	0.20043	0.26231	0.20106	0.31432	3.77E-04	2.3E-05	0.00437	3.5E-07	0.00477	4.62E-04	2.82E-05	0.005377	1.97E-07	5.87E-03	0.000407	2.17E-05	0.01024	2.03E-07	0.010669
5059	480863.09	3863877.25	0.20814	0.26894	0.24097	0.28206	3.91E-04	2.4E-05	0.00523	3.2E-07	0.00565	4.79E-04	2.89E-05	0.006445	1.76E-07	6.95E-03	0.000423	2.22E-05	0.012273	1.82E-07	0.012718

5060	481363.09	3863877.25	0.20989	0.32042	0.23064	0.29749	3.94E-04	2.8E-05	0.00501	3.3E-07	0.00543	4.83E-04	3.44E-05	0.006169	1.86E-07	6.69E-03	0.000426	2.65E-05	0.011747	1.92E-07	0.012199
5061	481863.09	3863877.25	0.21648	0.33398	0.25293	0.30364	4.07E-04	2.9E-05	0.00549	3.4E-07	0.00593	4.99E-04	3.59E-05	0.006765	1.9E-07	7.30E-03	0.00044	2.76E-05	0.012882	1.96E-07	0.013349
5062	482363.09	3863877.25	0.20673	0.33569	0.24949	0.33732	3.88E-04	2.9E-05	0.00542	3.8E-07	0.00584	4.76E-04	3.61E-05	0.006673	2.11E-07	7.19E-03	0.00042	2.78E-05	0.012707	2.18E-07	0.013154
5063	482863.09	3863877.25	0.1919	0.28693	0.22015	0.32367	3.61E-04	2.5E-05	0.00478	3.6E-07	0.00517	4.42E-04	3.08E-05	0.005888	2.02E-07	6.36E-03	0.00039	2.37E-05	0.011212	2.09E-07	0.011626
5064	483363.09	3863877.25	0.20908	0.37286	0.23372	0.29929	3.93E-04	3.3E-05	0.00508	3.3E-07	0.0055	4.81E-04	4.01E-05	0.006251	1.87E-07	6.77E-03	0.000425	3.08E-05	0.011903	1.93E-07	0.012359
5065	483863.09	3863877.25	0.19444	0.37711	0.22295	0.30225	3.65E-04	3.3E-05	0.00484	3.4E-07	0.00524	4.48E-04	4.05E-05	0.005963	1.89E-07	6.45E-03	0.000395	3.12E-05	0.011355	1.95E-07	0.011781
5066	484363.09	3863877.25	0.19296	0.35044	0.22229	0.31521	3.63E-04	3.1E-05	0.00483	3.5E-07	0.00522	4.44E-04	3.77E-05	0.005945	1.97E-07	6.43E-03	0.000392	2.9E-05	0.011321	2.04E-07	0.011742
5067	484863.09	3863877.25	0.18172	0.29912	0.20402	0.29271	3.41E-04	2.6E-05	0.00443	3.3E-07	0.0048	4.18E-04	3.22E-05	0.005457	1.83E-07	5.91E-03	0.000369	2.47E-05	0.010391	1.89E-07	0.010785
5068	485363.09	3863877.25	0.17574	0.3367	0.20334	0.28257	3.30E-04	3E-05	0.00442	3.2E-07	0.00478	4.05E-04	3.62E-05	0.005438	1.77E-07	5.88E-03	0.000357	2.78E-05	0.010356	1.83E-07	0.010741
5069	485863.09	3863877.25	0.17987	0.35708	0.20601	0.26514	3.38E-04	3.1E-05	0.00447	3E-07	0.00484	4.14E-04	3.84E-05	0.00551	1.66E-07	5.96E-03	0.000365	2.95E-05	0.010492	1.71E-07	0.010887
5070	486363.09	3863877.25	0.19895	0.28963	0.23376	0.28306	3.74E-04	2.5E-05	0.00508	3.2E-07	0.00548	4.58E-04	3.11E-05	0.006252	1.77E-07	6.74E-03	0.000404	2.4E-05	0.011906	1.83E-07	0.012334
5071	486863.09	3863877.25	0.19529	0.30183	0.24631	0.29511	3.67E-04	2.6E-05	0.00535	3.3E-07	0.00574	4.50E-04	3.24E-05	0.006588	1.85E-07	7.07E-03	0.000397	2.5E-05	0.012545	1.91E-07	0.012966
5072	487363.09	3863877.25	0.20067	0.28777	0.23667	0.30778	3.77E-04	2.5E-05	0.00514	3.4E-07	0.00554	4.62E-04	3.09E-05	0.00633	1.92E-07	6.82E-03	0.000407	2.38E-05	0.012054	1.99E-07	0.012485
5073	487863.09	3863877.25	0.20869	0.31846	0.24254	0.32304	3.92E-04	2.8E-05	0.00527	3.6E-07	0.00569	4.81E-04	3.42E-05	0.006487	2.02E-07	7.00E-03	0.000424	2.63E-05	0.012353	2.09E-07	0.012803
5074	488363.09	3863877.25	0.22394	0.30606	0.24496	0.34076	4.21E-04	2.7E-05	0.00532	3.8E-07	0.00577	5.16E-04	3.29E-05	0.006552	2.13E-07	7.10E-03	0.000455	2.53E-05	0.012476	2.2E-07	0.012956
5075	488863.09	3863877.25	0.21597	0.33557	0.22027	0.34194	4.06E-04	2.9E-05	0.00478	3.8E-07	0.00522	4.97E-04	3.61E-05	0.005891	2.14E-07	6.42E-03	0.000439	2.78E-05	0.011218	2.21E-07	0.011685
5076	489363.09	3863877.25	0.22125	0.34788	0.22485	0.36276	4.16E-04	3.1E-05	0.00488	4.1E-07	0.00533	5.09E-04	3.74E-05	0.006014	2.27E-07	6.56E-03	0.000449	2.88E-05	0.011452	2.34E-07	0.01193
5077	489863.09	3863877.25	0.2247	0.29534	0.24445	0.37988	4.22E-04	2.6E-05	0.00531	4.2E-07	0.00576	5.17E-04	3.17E-05	0.006538	2.38E-07	7.09E-03	0.000456	2.44E-05	0.01245	2.45E-07	0.012931
5078	490363.09	3863877.25	0.23022	0.31899	0.26928	0.38898	4.33E-04	2.8E-05	0.00585	4.3E-07	0.00631	5.30E-04	3.43E-05	0.007202	2.43E-07	7.77E-03	0.000467	2.64E-05	0.013715	2.51E-07	0.014209
5079	490863.09	3863877.25	0.26622	0.35506	0.31195	0.41676	5.00E-04	3.1E-05	0.00677	4.7E-07	0.00731	6.13E-04	3.82E-05	0.008343	2.61E-07	8.99E-03	0.000541	2.94E-05	0.015888	2.69E-07	0.016458
5080	491363.09	3863877.25	0.25672	0.3523	0.27885	0.43451	4.82E-04	3.1E-05	0.00606	4.9E-07	0.00657	5.91E-04	3.79E-05	0.007458	2.72E-07	8.09E-03	0.000521	2.91E-05	0.014202	2.81E-07	0.014753
5081	491863.09	3863877.25	0.26744	0.34095	0.27299	0.42405	5.03E-04	3E-05	0.00593	4.7E-07	0.00646	6.16E-04	3.67E-05	0.007301	2.65E-07	7.95E-03	0.000543	2.82E-05	0.013904	2.74E-07	0.014475
5082	492363.09	3863877.25	0.26641	0.36271	0.2744	0.48674	5.01E-04	3.2E-05	0.00596	5.4E-07	0.00649	6.13E-04	3.9E-05	0.007339	3.04E-07	7.99E-03	0.000541	3E-05	0.013975	3.14E-07	0.014547
5083	492863.09	3863877.25	0.27981	0.36789	0.266	0.5353	5.26E-04	3.2E-05	0.00578	6E-07	0.00634	6.44E-04	3.95E-05	0.007114	3.35E-07	7.80E-03	0.000568	3.04E-05	0.013548	3.46E-07	0.014146
5084	493363.09	3863877.25	0.26806	0.4081	0.27939	0.54061	5.04E-04	3.6E-05	0.00607	6E-07	0.00661	6.17E-04	4.39E-05	0.007472	3.38E-07	8.13E-03	0.000544	3.37E-05	0.014229	3.49E-07	0.014808
5085	493863.09	3863877.25	0.29152	0.36198	0.30497	0.58202	5.48E-04	3.2E-05	0.00662	6.5E-07	0.0072	6.71E-04	3.89E-05	0.008157	3.64E-07	8.87E-03	0.000592	2.99E-05	0.015532	3.76E-07	0.016155
5086	494363.09	3863877.25	0.28148	0.38333	0.28008	0.50691	5.29E-04	3.4E-05	0.00608	5.7E-07	0.00665	6.48E-04	4.12E-05	0.007491	3.17E-07	8.18E-03	0.000572	3.17E-05	0.014265	3.27E-07	0.014868
5087	494863.09	3863877.25	0.24209	0.32785	0.23789	0.41538	4.55E-04	2.9E-05	0.00517	4.6E-07	0.00565	5.57E-04	3.52E-05	0.006363	2.6E-07	6.96E-03	0.000492	2.71E-05	0.012116	2.68E-07	0.012635
5088	495363.09	3863877.25	0.23046	0.31024	0.23386	0.37469	4.33E-04	2.7E-05	0.00508	4.2E-07	0.00554	5.31E-04	3.34E-05	0.006255	2.34E-07	6.82E-03	0.000468	2.57E-05	0.011911	2.42E-07	0.012404
5089	495863.09	3863877.25	0.20157	0.28625	0.21085	0.35639	3.79E-04	2.5E-05	0.00458	4E-07	0.00498	4.64E-04	3.08E-05	0.005639	2.23E-07	6.13E-03	0.000409	2.37E-05	0.010739	2.3E-07	0.011172
5090	496363.09	3863877.25	0.1951	0.27226	0.19804	0.30613	3.67E-04	2.4E-05	0.0043	3.4E-07	0.00469	4.49E-04	2.93E-05	0.005297	1.91E-07	5.78E-03	0.000396	2.25E-05	0.010086	1.98E-07	0.010505
5091	496863.09	3863877.25	0.19708	0.2691	0.20141	0.31038	3.70E-04	2.4E-05	0.00437	3.5E-07	0.00477	4.54E-04	2.89E-05	0.005387	1.94E-07	5.87E-03	0.0004	2.23E-05	0.010258	2E-07	0.010681
5092	497363.09	3863877.25	0.1645	0.23602	0.17321	0.27994	3.09E-04	2.1E-05	0.00376	3.1E-07	0.00409	3.79E-04	2.54E-05	0.004633	1.75E-07	5.04E-03	0.000334	1.95E-05	0.008822	1.81E-07	0.009175
5093	497863.09	3863877.25	0.16695	0.22951	0.16987	0.28154	3.14E-04	2E-05	0.00369	3.1E-07	0.00402	3.84E-04	2.47E-05	0.004543	1.76E-07	4.95E-03	0.000339	1.9E-05	0.008652	1.82E-07	0.00901
5094	498363.09	3863877.25	0.17366	0.23601	0.18736	0.27887	3.26E-04	2.1E-05	0.00407	3.1E-07	0.00442	4.00E-04	2.54E-05	0.005011	1.74E-07	5.44E-03	0.000353	1.95E-05	0.009542	1.8E-07	0.009915
5095	471363.09	3864377.25	0.12173	0.16615	0.14414	0.16089	2.29E-04	1.5E-05	0.00313	1.8E-07	0.00337	2.80E-04	1.79E-05	0.003855	1.01E-07	4.15E-03	0.000247	1.37E-05	0.007341	1.04E-07	0.007602
5096	471863.09	3864377.25	0.12674	0.18814	0.14836	0.17217	2.38E-04	1.7E-05	0.00322	1.9E-07	0.00348	2.92E-04	2.02E-05	0.003968	1.08E-07	4.28E-03	0.000257	1.56E-05	0.007556	1.11E-07	0.007829
5097	472363.09	3864377.25	0.14089	0.1838	0.15325	0.18653	2.65E-04	1.6E-05	0.00333	2.1E-07	0.00361	3.24E-04	1.98E-05	0.004099	1.17E-07	4.44E-03	0.000286	1.52E-05	0.007805	1.2E-07	0.008106
5098	472863.09	3864377.25	0.14345	0.18591	0.1526	0.18432	2.70E-04	1.6E-05	0.00331	2.1E-07	0.0036	3.30E-04	2E-05	0.004081	1.15E-07	4.43E-03	0.000291	1.54E-05	0.007772	1.19E-07	0.008079
5099	473363.09	3864377.25	0.14637	0.18919	0.14884	0.19209	2.75E-04	1.7E-05	0.00323	2.1E-07	0.00352	3.37E-04	2.03E-05	0.003981	1.2E-07	4.34E-03	0.000297	1.56E-05	0.007581	1.24E-07	0.007893
5100	473863.09	3864377.25	0.15021	0.19927	0.14377	0.20245	2.82E-04	1.7E-05	0.00312	2.3E-07	0.00342	3.46E-04	2.14E-05	0.003845	1.27E-07	4.21E-03	0.000305	1.65E-05	0.007322	1.31E-07	0.007644
5101	474363.09	3864377.25	0.1554	0.20764	0.15192	0.20725	2.92E-04	1.8E-05	0.0033	2.3E-07	0.00361	3.58E-04	2.23E-05	0.004063	1.3E-07	4.44E-03	0.000316	1.72E-05	0.007737	1.34E-07	0.00807
5102	474863.09	3864377.25	0.15951	0.20259	0.16255	0.19832	3.00E-04	1.8E-05	0.00353	2.2E-07	0.00385	3.67E-04	2.18E-05	0.004348	1.24E-07	4.74E-03	0.000324	1.68E-05	0.008279	1.28E-07	0.00862
5103	475363.09	3864377.25	0.16025	0.20839	0.17835	0.2114	3.01E-04	1.8E-05	0.00387	2.4E-07	0.00419	3.69E-04	2.24E-05	0.00477	1.32E-07	5.16E-03	0.000325	1.72E-05	0.009083	1.37E-07	0.009426
5104	475863.09	3864377.25	0.16615	0.22621	0.1685	0.21817	3.12E-04	2E-05	0.00366	2.4E-07	0.00399	3.83E-04	2.43E-05	0.004507	1.36E-07	4.91E-03	0.000337	1.87E-05	0.008582	1.41E-07	0.008938
5105	476363.09	3864377.25	0.16827	0.2325	0.17213	0.21416	3.16E-04	2E-05	0.00374	2.4E-07	0.00407	3.87E-04	2.5E-05	0.004604	1.34E-07	5.02E-03	0.000342	1.92E-05	0.008767	1.38E-07	0.009128
5106	476863.09	3864377.25	0.17727	0.22724	0.17808	0.2391	3.33E-04	2E-05	0.00387	2.7E-07	0.00422	4.08E-04	2.44E-05	0.004763	1.5E-07	5.20E-03	0.00036	1.88E-05	0.00907	1.54E-07	0.009449
5107	477363.09	3864377.25	0.18278	0.25992	0.20493	0.2411	3.43E-04	2.3E-05	0.00445	2.7E-07	0.00482	4.21E-04	2.79E-05	0.005481	1.51E-07	5.93E-03	0.000371	2.15E-05	0.010437	1.56E-07	0.01083
5108	477863.09	3864377.25	0.18416	0.27165	0.21936	0.25808	3.46E-04	2.4E-05	0.00476	2.9E-07	0.00513	4.24E-04	2.92E-05	0.005867	1.61E-07	6.32E-03	0.000374	2.25E-05	0.011172	1.67E-07	0.011569
5109	478363.09	3864377.25	0.19111	0.26121	0.21236	0.27219	3.59E-04	2.3E-05	0.00461	3E-07	0.00499	4.40E-04	2.81E-05	0.00568	1.7E-07	6.15E-03	0.000388	2.16E-05	0.010816	1.76E-07	0.011225
5110	478863.09	3864377.25	0.18946	0.25028	0.19075	0.27532	3.56E-04	2.2E-05	0.00414	3.1E-07	0.00452	4.36E-04	2.69E-05	0.005102	1.72E-07	5.57E-03	0.000385	2.07E-05	0.009715	1.78E-07	0.010121
5111	479363.09	3864377.25	0.18145	0.29044	0.18182	0.27128	3.41E-04	2.5E-05	0.00395	3E-07	0.00432	4.18E-04	3.12E-05	0.004863	1.7E-07	5.31E-03	0.000368	2.4E-05	0.00926	1.75E-07	0.009653
5112	479863.09	3864377.25	0.1798	0.26074	0.18039	0.27272	3.38E-04	2.3E-05	0.00392	3E-07	0.00428	4.14E-04	2.8E-05	0.004825	1.71E-07	5.27E-03	0.000365	2.16E-05	0.009187	1.76E-07	0.009574
5113	480363.09	3864377.25	0.18737	0.24751	0.19543	0.23499	3.52E-04	2.2E-05	0.00424	2.6E-07	0.00462	4.31E-04	2.66E-05	0.005227	1.47E-07	5.69E-03	0.00038	2.05E-05	0.009953	1.52E-07	0.010354
5114	480863.09	3864377.25	0.19778	0.2724	0.21048	0.25409	3.72E-04	2.4E-05	0.00457	2.8E-07	0.00497	4.55E-04	2.93E-05	0.005629	1.59E-07	6.11E-03	0.000402	2.25E-05	0.01072	1.64E-07	0.011144
5115	481363.09	3864377.25	0.19893	0.30022	0.20742	0.28689	3.74E-04	2.6E-05	0.0045	3.2E-07	0.0049	4.58E-04	3.23E-05	0.005548	1.79E-07	6.04E-03	0.000404	2.48E-05	0.010564	1.85E-07	0.010993
5116	481863.09	3864377.25	0.19441	0.31874	0.23672	0.29109	3.65E-04	2.8E-05	0.00514	3.3E-07	0.00553	4.48E-04	3.43E-05	0.006331	1.82E-07	6.81E-03	0.000395	2.64E-05	0.012056	1.88E-07	0.012478
5117	482363.09	3864377.25	0.1797	0.27312	0.21888	0.31103	3.38E-04	2.4E-05	0.00475	3.5E-07	0.00512	4.14E-04	2.94E-05	0.005854	1.95E-07	6.30E-03	0.000365	2.26E-05	0.011148	2.01E-07	0.011535
5118	482863.09	3864377.25	0.17157	0.29874	0.19645	0.28677	3.22E-04	2.6E-05	0.00427	3.2E-07	0.00462	3.95E-04	3.21E-05	0.005254	1.79E-07	5.68E-03	0.000348	2.47E-05	0.010005	1.85E-07	0.010379
5119	483363.09	3864377.25	0.18535	0.32982	0.19494	0.2791	3.48E-04	2.9E-05	0.00423	3.1E-07	0.00461	4.27E-04	3.55E-05	0.005214	1.75E-07	5.68E-03	0.000376	2.73E-05	0.009928	1.8E-07	0.010332
5120	483863.09	3864377.25	0.18039	0.35689	0.20218	0.27963	3.39E-04	3.1E-05	0.00439	3.1E-07	0.00476	4.15E-04	3.84E-05	0.005407	1.75E-07	5.86E-03	0.000366	2.95E-05	0.010297	1.81E-07	0.010693

5121	484363.09	3864377.25	0.17764	0.31884	0.20109	0.27762	3.34E-04	2.8E-05	0.00437	3.1E-07	0.00473	4.09E-04	3.43E-05	0.005378	1.74E-07	5.82E-03	0.000361	2.64E-05	0.010242	1.79E-07	0.010629
5122	484863.09	3864377.25	0.16385	0.27656	0.18908	0.26317	3.08E-04	2.4E-05	0.00411	2.9E-07	0.00444	3.77E-04	2.97E-05	0.005057	1.65E-07	5.46E-03	0.000333	2.29E-05	0.00963	1.7E-07	0.009986
5123	485363.09	3864377.25	0.1632	0.29022	0.18687	0.25843	3.07E-04	2.5E-05	0.00406	2.9E-07	0.00439	3.76E-04	3.12E-05	0.004998	1.62E-07	5.41E-03	0.000331	2.4E-05	0.009517	1.67E-07	0.009873
5124	485863.09	3864377.25	0.16334	0.32625	0.18971	0.24336	3.07E-04	2.9E-05	0.00412	2.7E-07	0.00446	3.76E-04	3.51E-05	0.005074	1.52E-07	5.49E-03	0.000332	2.7E-05	0.009662	1.57E-07	0.010021
5125	486363.09	3864377.25	0.18173	0.26491	0.21384	0.24385	3.42E-04	2.3E-05	0.00464	2.7E-07	0.00501	4.18E-04	2.85E-05	0.005719	1.53E-07	6.17E-03	0.000369	2.19E-05	0.010891	1.58E-07	0.011282
5126	486863.09	3864377.25	0.17802	0.27347	0.20991	0.27376	3.35E-04	2.4E-05	0.00456	3.1E-07	0.00492	4.10E-04	2.94E-05	0.005614	1.71E-07	6.05E-03	0.000361	2.26E-05	0.010691	1.77E-07	0.011075
5127	487363.09	3864377.25	0.1889	0.26228	0.21667	0.29077	3.55E-04	2.3E-05	0.00471	3.2E-07	0.00508	4.35E-04	2.82E-05	0.005795	1.82E-07	6.26E-03	0.000384	2.17E-05	0.011035	1.88E-07	0.011441
5128	487863.09	3864377.25	0.19192	0.28996	0.23355	0.28957	3.61E-04	2.5E-05	0.00507	3.2E-07	0.00546	4.42E-04	3.12E-05	0.006246	1.81E-07	6.72E-03	0.00039	2.4E-05	0.011895	1.87E-07	0.012309
5129	488363.09	3864377.25	0.19895	0.27181	0.22159	0.31422	3.74E-04	2.4E-05	0.00481	3.5E-07	0.00521	4.58E-04	2.92E-05	0.005927	1.97E-07	6.41E-03	0.000404	2.25E-05	0.011286	2.03E-07	0.011712
5130	488863.09	3864377.25	0.20325	0.28723	0.20343	0.31882	3.82E-04	2.5E-05	0.00442	3.6E-07	0.00483	4.68E-04	3.09E-05	0.005441	1.99E-07	5.94E-03	0.000413	2.38E-05	0.010361	2.06E-07	0.010797
5131	489363.09	3864377.25	0.20735	0.30007	0.19269	0.3272	3.90E-04	2.6E-05	0.00418	3.7E-07	0.0046	4.77E-04	3.23E-05	0.005154	2.05E-07	5.66E-03	0.000421	2.48E-05	0.009814	2.11E-07	0.01026
5132	489863.09	3864377.25	0.20309	0.27193	0.24063	0.34069	3.82E-04	2.4E-05	0.00523	3.8E-07	0.00563	4.68E-04	2.92E-05	0.006436	2.13E-07	6.93E-03	0.000412	2.25E-05	0.012255	2.2E-07	0.01269
5133	490363.09	3864377.25	0.20241	0.29395	0.22484	0.33897	3.80E-04	2.6E-05	0.00488	3.8E-07	0.00529	4.66E-04	3.16E-05	0.006013	2.12E-07	6.51E-03	0.000411	2.43E-05	0.011451	2.19E-07	0.011887
5134	490863.09	3864377.25	0.23934	0.27735	0.28553	0.36853	4.50E-04	2.4E-05	0.0062	4.1E-07	0.00668	5.51E-04	2.98E-05	0.007637	2.3E-07	8.22E-03	0.000486	2.29E-05	0.014542	2.38E-07	0.015051
5135	491363.09	3864377.25	0.26084	0.33212	0.28318	0.41897	4.90E-04	2.9E-05	0.00615	4.7E-07	0.00667	6.01E-04	3.57E-05	0.007574	2.62E-07	8.21E-03	0.00053	2.75E-05	0.014423	2.71E-07	0.01498
5136	491863.09	3864377.25	0.22852	0.23978	0.32055	0.15283	4.29E-04	2.1E-05	0.00696	1.7E-07	0.00741	5.26E-04	2.58E-05	0.008573	9.56E-08	9.13E-03	0.000464	1.98E-05	0.016326	9.87E-08	0.01681
5137	492363.09	3864377.25	0.30491	0.37674	0.35567	0.4027	5.73E-04	3.3E-05	0.00772	4.5E-07	0.00833	7.02E-04	4.05E-05	0.009513	2.52E-07	1.03E-02	0.000619	3.12E-05	0.018114	2.6E-07	0.018765
5138	492863.09	3864377.25	0.29379	0.31037	0.36647	0.21886	5.52E-04	2.7E-05	0.00796	2.4E-07	0.00854	6.77E-04	3.34E-05	0.009801	1.37E-07	1.05E-02	0.000597	2.57E-05	0.018665	1.41E-07	0.019287
5139	493363.09	3864377.25	0.35161	0.39601	0.36925	0.42652	6.61E-04	3.5E-05	0.00802	4.8E-07	0.00871	8.10E-04	4.26E-05	0.009876	2.67E-07	1.07E-02	0.000714	3.27E-05	0.018806	2.76E-07	0.019553
5140	493863.09	3864377.25	0.28518	0.36989	0.29483	0.47289	5.36E-04	3.2E-05	0.0064	5.3E-07	0.00697	6.57E-04	3.98E-05	0.007885	2.96E-07	8.58E-03	0.000579	3.06E-05	0.015016	3.05E-07	0.015626
5141	494363.09	3864377.25	0.27668	0.33061	0.28272	0.5463	5.20E-04	2.9E-05	0.00614	6.1E-07	0.00669	6.37E-04	3.55E-05	0.007562	3.42E-07	8.23E-03	0.000562	2.73E-05	0.014399	3.53E-07	0.014989
5142	494863.09	3864377.25	0.25654	0.34413	0.25499	0.4916	4.82E-04	3E-05	0.00554	5.5E-07	0.00605	5.91E-04	3.7E-05	0.00682	3.07E-07	7.45E-03	0.000521	2.85E-05	0.012987	3.18E-07	0.013536
5143	495363.09	3864377.25	0.21999	0.29866	0.21662	0.38939	4.13E-04	2.6E-05	0.0047	4.4E-07	0.00514	5.07E-04	3.21E-05	0.005794	2.44E-07	6.33E-03	0.000447	2.47E-05	0.011033	2.52E-07	0.011504
5144	495863.09	3864377.25	0.21057	0.29185	0.2093	0.36723	3.96E-04	2.6E-05	0.00455	4.1E-07	0.00497	4.85E-04	3.14E-05	0.005598	2.3E-07	6.11E-03	0.000428	2.41E-05	0.01066	2.37E-07	0.011112
5145	496363.09	3864377.25	0.18011	0.26373	0.19599	0.2967	3.38E-04	2.3E-05	0.00426	3.3E-07	0.00462	4.15E-04	2.84E-05	0.005242	1.86E-07	5.69E-03	0.000366	2.18E-05	0.009982	1.92E-07	0.01037
5146	496863.09	3864377.25	0.17543	0.25207	0.18347	0.2822	3.30E-04	2.2E-05	0.00398	3.2E-07	0.00434	4.04E-04	2.71E-05	0.004907	1.76E-07	5.34E-03	0.000356	2.08E-05	0.009344	1.82E-07	0.009721
5147	497363.09	3864377.25	0.17947	0.24002	0.17415	0.28813	3.37E-04	2.1E-05	0.00378	3.2E-07	0.00414	4.13E-04	2.58E-05	0.004658	1.8E-07	5.10E-03	0.000364	1.98E-05	0.00887	1.86E-07	0.009254
5148	497863.09	3864377.25	0.16214	0.23433	0.17766	0.27066	3.05E-04	2.1E-05	0.00386	3E-07	0.00418	3.73E-04	2.52E-05	0.004752	1.69E-07	5.15E-03	0.000329	1.94E-05	0.009048	1.75E-07	0.009397
5149	498363.09	3864377.25	0.15264	0.2078	0.16075	0.24207	2.87E-04	1.8E-05	0.00349	2.7E-07	0.0038	3.52E-04	2.23E-05	0.004299	1.51E-07	4.67E-03	0.00031	1.72E-05	0.008187	1.56E-07	0.008514
5150	471363.09	3864877.25	0.12447	0.17593	0.14082	0.16961	2.34E-04	1.5E-05	0.00306	1.9E-07	0.00331	2.87E-04	1.89E-05	0.003766	1.06E-07	4.07E-03	0.000253	1.45E-05	0.007172	1.1E-07	0.007439
5151	471863.09	3864877.25	0.12901	0.17109	0.14326	0.17383	2.42E-04	1.5E-05	0.00311	1.9E-07	0.00337	2.97E-04	1.84E-05	0.003832	1.09E-07	4.15E-03	0.000262	1.41E-05	0.007296	1.12E-07	0.007573
5152	472363.09	3864877.25	0.13175	0.1841	0.13884	0.18109	2.48E-04	1.6E-05	0.00302	2E-07	0.00328	3.03E-04	1.98E-05	0.003713	1.13E-07	4.04E-03	0.000268	1.52E-05	0.007071	1.17E-07	0.007354
5153	472863.09	3864877.25	0.13319	0.18553	0.1361	0.18235	2.50E-04	1.6E-05	0.00296	2E-07	0.00322	3.07E-04	1.99E-05	0.00364	1.14E-07	3.97E-03	0.00027	1.53E-05	0.006932	1.18E-07	0.007218
5154	473363.09	3864877.25	0.13527	0.17795	0.12925	0.19576	2.54E-04	1.6E-05	0.00281	2.2E-07	0.00308	3.12E-04	1.91E-05	0.003457	1.22E-07	3.79E-03	0.000275	1.47E-05	0.006583	1.26E-07	0.006872
5155	473863.09	3864877.25	0.1374	0.18472	0.14281	0.18172	2.58E-04	1.6E-05	0.0031	2E-07	0.00338	3.16E-04	1.99E-05	0.00382	1.14E-07	4.16E-03	0.000279	1.53E-05	0.007273	1.17E-07	0.007568
5156	474363.09	3864877.25	0.14235	0.18073	0.15197	0.18196	2.68E-04	1.6E-05	0.0033	2E-07	0.00358	3.28E-04	1.94E-05	0.004065	1.14E-07	4.41E-03	0.000289	1.49E-05	0.00774	1.18E-07	0.008044
5157	474863.09	3864877.25	0.14847	0.19048	0.16351	0.20498	2.79E-04	1.7E-05	0.00355	2.3E-07	0.00385	3.42E-04	2.05E-05	0.004373	1.28E-07	4.74E-03	0.000301	1.58E-05	0.008328	1.32E-07	0.008645
5158	475363.09	3864877.25	0.15615	0.19251	0.15543	0.204	2.93E-04	1.7E-05	0.00338	2.3E-07	0.00369	3.60E-04	2.07E-05	0.004157	1.28E-07	4.54E-03	0.000317	1.59E-05	0.007916	1.32E-07	0.008249
5159	475863.09	3864877.25	0.15247	0.21324	0.15792	0.20427	2.87E-04	1.9E-05	0.00343	2.3E-07	0.00373	3.51E-04	2.29E-05	0.004224	1.28E-07	4.60E-03	0.00031	1.76E-05	0.008043	1.32E-07	0.00837
5160	476363.09	3864877.25	0.16531	0.23172	0.16096	0.22054	3.11E-04	2E-05	0.0035	2.5E-07	0.00383	3.81E-04	2.49E-05	0.004305	1.38E-07	4.71E-03	0.000336	1.92E-05	0.008198	1.42E-07	0.008553
5161	476863.09	3864877.25	0.17222	0.23965	0.18678	0.22138	3.24E-04	2.1E-05	0.00406	2.5E-07	0.0044	3.97E-04	2.58E-05	0.004996	1.38E-07	5.42E-03	0.00035	1.98E-05	0.009513	1.43E-07	0.009882
5162	477363.09	3864877.25	0.17224	0.24721	0.1984	0.24324	3.24E-04	2.2E-05	0.00431	2.7E-07	0.00465	3.97E-04	2.66E-05	0.005306	1.52E-07	5.73E-03	0.00035	2.04E-05	0.010105	1.57E-07	0.010475
5163	477863.09	3864877.25	0.17538	0.22952	0.19074	0.25063	3.30E-04	2E-05	0.00414	2.8E-07	0.00449	4.04E-04	2.47E-05	0.005101	1.57E-07	5.53E-03	0.000356	1.9E-05	0.009714	1.62E-07	0.01009
5164	478363.09	3864877.25	0.17072	0.22121	0.1764	0.26273	3.21E-04	1.9E-05	0.00383	2.9E-07	0.00417	3.93E-04	2.38E-05	0.004718	1.64E-07	5.14E-03	0.000347	1.83E-05	0.008984	1.7E-07	0.009349
5165	478863.09	3864877.25	0.16421	0.25261	0.17026	0.25655	3.09E-04	2.2E-05	0.0037	2.9E-07	0.00403	3.78E-04	2.72E-05	0.004554	1.6E-07	4.96E-03	0.000333	2.09E-05	0.008671	1.66E-07	0.009026
5166	479363.09	3864877.25	0.15959	0.24599	0.16459	0.24131	3.00E-04	2.2E-05	0.00357	2.7E-07	0.0039	3.68E-04	2.64E-05	0.004402	1.51E-07	4.80E-03	0.000324	2.03E-05	0.008383	1.56E-07	0.008727
5167	479863.09	3864877.25	0.16683	0.24464	0.17678	0.21823	3.14E-04	2.1E-05	0.00384	2.4E-07	0.00417	3.84E-04	2.63E-05	0.004728	1.36E-07	5.14E-03	0.000339	2.02E-05	0.009004	1.41E-07	0.009363
5168	480363.09	3864877.25	0.17472	0.27149	0.19361	0.22395	3.28E-04	2.4E-05	0.0042	2.5E-07	0.00456	4.02E-04	2.92E-05	0.005178	1.4E-07	5.61E-03	0.000355	2.25E-05	0.009861	1.45E-07	0.010238
5169	480863.09	3864877.25	0.1756	0.25426	0.18372	0.2594	3.30E-04	2.2E-05	0.00399	2.9E-07	0.00434	4.04E-04	2.73E-05	0.004914	1.62E-07	5.35E-03	0.000357	2.1E-05	0.009357	1.68E-07	0.009735
5170	481363.09	3864877.25	0.18149	0.28846	0.21397	0.25997	3.41E-04	2.5E-05	0.00465	2.9E-07	0.00501	4.18E-04	3.1E-05	0.005723	1.63E-07	6.17E-03	0.000368	2.39E-05	0.010898	1.68E-07	0.01129
5171	481863.09	3864877.25	0.16974	0.22254	0.21335	0.27753	3.19E-04	2E-05	0.00463	3.1E-07	0.00497	3.91E-04	2.39E-05	0.005706	1.74E-07	6.12E-03	0.000345	1.84E-05	0.010866	1.79E-07	0.011229
5172	482363.09	3864877.25	0.15996	0.24674	0.18687	0.27571	3.01E-04	2.2E-05	0.00406	3.1E-07	0.00438	3.68E-04	2.65E-05	0.004998	1.72E-07	5.39E-03	0.000325	2.04E-05	0.009517	1.78E-07	0.009863
5173	482863.09	3864877.25	0.1684	0.30123	0.19364	0.26714	3.16E-04	2.6E-05	0.00421	3E-07	0.00455	3.88E-04	3.24E-05	0.005179	1.67E-07	5.60E-03	0.000342	2.49E-05	0.009862	1.73E-07	0.010229
5174	483363.09	3864877.25	0.16401	0.29736	0.17429	0.2646	3.08E-04	2.6E-05	0.00378	3E-07	0.00412	3.78E-04	3.2E-05	0.004662	1.65E-07	5.07E-03	0.000333	2.46E-05	0.008877	1.71E-07	0.009234
5175	483863.09	3864877.25	0.16822	0.30123	0.18824	0.26933	3.16E-04	2.6E-05	0.00409	3E-07	0.00443	3.87E-04	3.24E-05	0.005035	1.68E-07	5.45E-03	0.000342	2.49E-05	0.009587	1.74E-07	0.009954
5176	484363.09	3864877.25	0.16464	0.25219	0.18721	0.253	3.09E-04	2.2E-05	0.00407	2.8E-07	0.0044	3.79E-04	2.71E-05	0.005007	1.58E-07	5.41E-03	0.000334	2.09E-05	0.009535	1.63E-07	0.00989
5177	484863.09	3864877.25	0.15171	0.2528	0.17602	0.2451	2.85E-04	2.2E-05	0.00382	2.7E-07	0.00413	3.49E-04	2.72E-05	0.004708	1.53E-07	5.08E-03	0.000308	2.09E-05	0.008965	1.58E-07	0.009294
5178	485363.09	3864877.25	0.15155	0.27031	0.16896	0.23404	2.85E-04	2.4E-05	0.00367	2.6E-07	0.00398	3.49E-04	2.91E-05	0.004519	1.46E-07	4.90E-03	0.000308	2.24E-05	0.008605	1.51E-07	0.008935
5179	485863.09	3864877.25	0.15126	0.288	0.17754	0.22934	2.84E-04	2.5E-05	0.00386	2.6E-07	0.00417	3.48E-04	3.1E-05	0.004748	1.43E-07	5.13E-03	0.000307	2.38E-05	0.009042	1.48E-07	0.009373
5180	486363.09	3864877.25	0.16737	0.24408	0.19416	0.2322	3.15E-04	2.1E-05	0.00422	2.6E-07	0.00455	3.85E-04	2.62E-05	0.005193	1.45E-07	5.60E-03	0.00034	2.02E-05	0.009889	1.5E-07	0.010249
5181	486863.09	3864877.25	0.16622	0.24817	0.187	0.25346	3.12E-04	2.2E-05	0.00406	2.8E-07	0.0044	3.83E-04	2.67E-05	0.005001	1.59E-07	5.41E-03	0.000337	2.05E-05	0.009524	1.64E-07	0.009882

5182	487363.09	3864877.25	0.17753	0.24913	0.19307	0.26242	3.34E-04	2.2E-05	0.00419	2.9E-07	0.00455	4.09E-04	2.68E-05	0.005164	1.64E-07	5.60E-03	0.00036	2.06E-05	0.009833	1.7E-07	0.010214
5183	487863.09	3864877.25	0.18181	0.27444	0.21718	0.25628	3.42E-04	2.4E-05	0.00472	2.9E-07	0.00508	4.19E-04	2.95E-05	0.005809	1.6E-07	6.26E-03	0.000369	2.27E-05	0.011061	1.66E-07	0.011453
5184	488363.09	3864877.25	0.1753	0.24367	0.1981	0.30405	3.29E-04	2.1E-05	0.0043	3.4E-07	0.00465	4.04E-04	2.62E-05	0.005298	1.9E-07	5.73E-03	0.000356	2.02E-05	0.010089	1.96E-07	0.010466
5185	488863.09	3864877.25	0.19122	0.26531	0.19948	0.28779	3.59E-04	2.3E-05	0.00433	3.2E-07	0.00471	4.40E-04	2.85E-05	0.005335	1.8E-07	5.80E-03	0.000388	2.19E-05	0.01016	1.86E-07	0.01057
5186	489363.09	3864877.25	0.17812	0.28538	0.18204	0.29488	3.35E-04	2.5E-05	0.00395	3.3E-07	0.00431	4.10E-04	3.07E-05	0.004869	1.84E-07	5.31E-03	0.000362	2.36E-05	0.009271	1.9E-07	0.009657
5187	489863.09	3864877.25	0.18449	0.26411	0.19124	0.31984	3.47E-04	2.3E-05	0.00415	3.6E-07	0.00452	4.25E-04	2.84E-05	0.005115	2E-07	5.57E-03	0.000375	2.18E-05	0.00974	2.07E-07	0.010137
5188	490363.09	3864877.25	0.18905	0.25825	0.20438	0.30484	3.55E-04	2.3E-05	0.00444	3.4E-07	0.00482	4.35E-04	2.78E-05	0.005466	1.91E-07	5.93E-03	0.000384	2.14E-05	0.010409	1.97E-07	0.010815
5189	490863.09	3864877.25	0.20296	0.27825	0.2411	0.32544	3.81E-04	2.4E-05	0.00524	3.6E-07	0.00564	4.67E-04	2.99E-05	0.006448	2.04E-07	6.95E-03	0.000412	2.3E-05	0.012279	2.1E-07	0.012715
5190	491363.09	3864877.25	0.24242	0.29809	0.2786	0.36443	4.56E-04	2.6E-05	0.00605	4.1E-07	0.00653	5.58E-04	3.2E-05	0.007451	2.28E-07	8.04E-03	0.000492	2.47E-05	0.014189	2.35E-07	0.014706
5191	491863.09	3864877.25	0.25859	0.33301	0.2467	0.41207	4.86E-04	2.9E-05	0.00536	4.6E-07	0.00587	5.95E-04	3.58E-05	0.006598	2.58E-07	7.23E-03	0.000525	2.75E-05	0.012565	2.66E-07	0.013117
5192	492363.09	3864877.25	0.13294	0.13722	0.173	0.09702	2.50E-04	1.2E-05	0.00376	1.1E-07	0.00402	3.06E-04	1.48E-05	0.004627	6.07E-08	4.95E-03	0.00027	1.13E-05	0.008811	6.27E-08	0.009092
5193	492863.09	3864877.25	0.20376	0.20727	0.26873	0.1344	3.83E-04	1.8E-05	0.00584	1.5E-07	0.00624	4.69E-04	2.23E-05	0.007187	8.41E-08	7.68E-03	0.000414	1.71E-05	0.013687	8.68E-08	0.014118
5194	493363.09	3864877.25	0.18282	0.17201	0.24412	0.10892	3.44E-04	1.5E-05	0.0053	1.2E-07	0.00566	4.21E-04	1.85E-05	0.006529	6.81E-08	6.97E-03	0.000371	1.42E-05	0.012433	7.04E-08	0.012819
5195	493863.09	3864877.25	0.32327	0.37629	0.33848	0.42084	6.07E-04	3.3E-05	0.00735	4.7E-07	0.00799	7.44E-04	4.05E-05	0.009053	2.63E-07	9.84E-03	0.000656	3.11E-05	0.017239	2.72E-07	0.017927
5196	494363.09	3864877.25	0.24257	0.31535	0.24819	0.44064	4.56E-04	2.8E-05	0.00539	4.9E-07	0.00587	5.59E-04	3.39E-05	0.006638	2.76E-07	7.23E-03	0.000493	2.61E-05	0.01264	2.85E-07	0.013159
5197	494863.09	3864877.25	0.25449	0.30542	0.26057	0.49906	4.78E-04	2.7E-05	0.00566	5.6E-07	0.00616	5.86E-04	3.28E-05	0.006969	3.12E-07	7.59E-03	0.000517	2.53E-05	0.013271	3.22E-07	0.013813
5198	495363.09	3864877.25	0.23469	0.31929	0.23249	0.46754	4.41E-04	2.8E-05	0.00505	5.2E-07	0.00552	5.40E-04	3.43E-05	0.006218	2.92E-07	6.79E-03	0.000477	2.64E-05	0.011841	3.02E-07	0.012344
5199	495863.09	3864877.25	0.20166	0.26837	0.2032	0.31198	3.79E-04	2.4E-05	0.00441	3.5E-07	0.00482	4.64E-04	2.89E-05	0.005435	1.95E-07	5.93E-03	0.000409	2.22E-05	0.010349	2.02E-07	0.010781
5200	496363.09	3864877.25	0.18966	0.27253	0.18921	0.38132	3.56E-04	2.4E-05	0.00411	4.3E-07	0.00449	4.37E-04	2.93E-05	0.005061	2.38E-07	5.53E-03	0.000385	2.25E-05	0.009637	2.46E-07	0.010044
5201	496863.09	3864877.25	0.18358	0.25753	0.17728	0.29447	3.45E-04	2.3E-05	0.00385	3.3E-07	0.00422	4.23E-04	2.77E-05	0.004741	1.84E-07	5.19E-03	0.000373	2.13E-05	0.009029	1.9E-07	0.009423
5202	497363.09	3864877.25	0.16115	0.233	0.17327	0.27518	3.03E-04	2E-05	0.00376	3.1E-07	0.00409	3.71E-04	2.5E-05	0.004634	1.72E-07	5.03E-03	0.000327	1.93E-05	0.008825	1.78E-07	0.009171
5203	497863.09	3864877.25	0.16303	0.22167	0.16452	0.26041	3.06E-04	1.9E-05	0.00357	2.9E-07	0.0039	3.75E-04	2.38E-05	0.0044	1.63E-07	4.80E-03	0.000331	1.83E-05	0.008379	1.68E-07	0.008729
5204	498363.09	3864877.25	0.16431	0.22565	0.16769	0.26347	3.09E-04	2E-05	0.00364	2.9E-07	0.00397	3.78E-04	2.43E-05	0.004485	1.65E-07	4.89E-03	0.000334	1.87E-05	0.008541	1.7E-07	0.008893
5205	471363.09	3865377.25	0.11759	0.17151	0.12986	0.16858	2.21E-04	1.5E-05	0.00282	1.9E-07	0.00306	2.71E-04	1.84E-05	0.003473	1.05E-07	3.76E-03	0.000239	1.42E-05	0.006614	1.09E-07	0.006867
5206	471863.09	3865377.25	0.11953	0.17398	0.12982	0.17453	2.25E-04	1.5E-05	0.00282	2E-07	0.00306	2.75E-04	1.87E-05	0.003472	1.09E-07	3.77E-03	0.000243	1.44E-05	0.006612	1.13E-07	0.006869
5207	472363.09	3865377.25	0.12019	0.17236	0.12325	0.17654	2.26E-04	1.5E-05	0.00268	2E-07	0.00292	2.77E-04	1.85E-05	0.003296	1.1E-07	3.59E-03	0.000244	1.43E-05	0.006277	1.14E-07	0.006536
5208	472863.09	3865377.25	0.12293	0.1639	0.12246	0.17262	2.31E-04	1.4E-05	0.00266	1.9E-07	0.0029	2.83E-04	1.76E-05	0.003275	1.08E-07	3.58E-03	0.00025	1.36E-05	0.006237	1.12E-07	0.0065
5209	473363.09	3865377.25	0.12313	0.16239	0.13477	0.16893	2.31E-04	1.4E-05	0.00293	1.9E-07	0.00317	2.84E-04	1.75E-05	0.003605	1.06E-07	3.91E-03	0.00025	1.34E-05	0.006864	1.09E-07	0.007127
5210	473863.09	3865377.25	0.12879	0.16659	0.14186	0.17674	2.42E-04	1.5E-05	0.00308	2E-07	0.00334	2.97E-04	1.79E-05	0.003794	1.11E-07	4.11E-03	0.000261	1.38E-05	0.007225	1.14E-07	0.0075
5211	474363.09	3865377.25	0.13454	0.16962	0.14979	0.19607	2.53E-04	1.5E-05	0.00325	2.2E-07	0.00352	3.10E-04	1.82E-05	0.004006	1.23E-07	4.33E-03	0.000273	1.4E-05	0.007629	1.27E-07	0.007916
5212	474863.09	3865377.25	0.14652	0.18121	0.14409	0.19174	2.75E-04	1.6E-05	0.00313	2.1E-07	0.00342	3.37E-04	1.95E-05	0.003854	1.2E-07	4.21E-03	0.000297	1.5E-05	0.007339	1.24E-07	0.007651
5213	475363.09	3865377.25	0.14152	0.21513	0.14489	0.19516	2.66E-04	1.9E-05	0.00315	2.2E-07	0.00343	3.26E-04	2.31E-05	0.003875	1.22E-07	4.22E-03	0.000287	1.78E-05	0.007379	1.26E-07	0.007685
5214	475863.09	3865377.25	0.15133	0.23746	0.14779	0.20006	2.84E-04	2.1E-05	0.00321	2.2E-07	0.00351	3.48E-04	2.55E-05	0.003953	1.25E-07	4.33E-03	0.000307	1.96E-05	0.007527	1.29E-07	0.007854
5215	476363.09	3865377.25	0.15794	0.22253	0.17218	0.20974	2.97E-04	2E-05	0.00374	2.3E-07	0.00406	3.64E-04	2.39E-05	0.004605	1.31E-07	4.99E-03	0.000321	1.84E-05	0.008769	1.35E-07	0.009108
5216	476863.09	3865377.25	0.16719	0.22955	0.19177	0.22249	3.14E-04	2E-05	0.00416	2.5E-07	0.0045	3.85E-04	2.47E-05	0.005129	1.39E-07	5.54E-03	0.000339	1.9E-05	0.009767	1.44E-07	0.010126
5217	477363.09	3865377.25	0.1619	0.21519	0.17699	0.23274	3.04E-04	1.9E-05	0.00384	2.6E-07	0.00417	3.73E-04	2.31E-05	0.004734	1.46E-07	5.13E-03	0.000329	1.78E-05	0.009014	1.5E-07	0.009361
5218	477863.09	3865377.25	0.1563	0.20533	0.16593	0.24325	2.94E-04	1.8E-05	0.0036	2.7E-07	0.00392	3.60E-04	2.21E-05	0.004438	1.52E-07	4.82E-03	0.000317	1.7E-05	0.008451	1.57E-07	0.008785
5219	478363.09	3865377.25	0.15066	0.22029	0.16139	0.24302	2.83E-04	1.9E-05	0.0035	2.7E-07	0.00381	3.47E-04	2.37E-05	0.004316	1.52E-07	4.69E-03	0.000306	1.82E-05	0.00822	1.57E-07	0.008544
5220	478863.09	3865377.25	0.14588	0.23764	0.15565	0.22624	2.74E-04	2.1E-05	0.00338	2.5E-07	0.00368	3.36E-04	2.55E-05	0.004163	1.41E-07	4.52E-03	0.000296	1.97E-05	0.007927	1.46E-07	0.008243
5221	479363.09	3865377.25	0.14918	0.224	0.16087	0.20437	2.80E-04	2E-05	0.00349	2.3E-07	0.00379	3.44E-04	2.41E-05	0.004303	1.28E-07	4.67E-03	0.000303	1.85E-05	0.008193	1.32E-07	0.008515
5222	479863.09	3865377.25	0.16551	0.23697	0.17245	0.19176	3.11E-04	2.1E-05	0.00374	2.1E-07	0.00408	3.81E-04	2.55E-05	0.004612	1.2E-07	5.02E-03	0.000336	1.96E-05	0.008783	1.24E-07	0.009139
5223	480363.09	3865377.25	0.16313	0.25307	0.17444	0.2305	3.07E-04	2.2E-05	0.00379	2.6E-07	0.00412	3.76E-04	2.72E-05	0.004666	1.44E-07	5.07E-03	0.000331	2.09E-05	0.008884	1.49E-07	0.009237
5224	480863.09	3865377.25	0.1685	0.26087	0.16807	0.23978	3.17E-04	2.3E-05	0.00365	2.7E-07	0.00399	3.88E-04	2.8E-05	0.004495	1.5E-07	4.91E-03	0.000342	2.16E-05	0.00856	1.55E-07	0.008924
5225	481363.09	3865377.25	0.1608	0.2634	0.20616	0.25606	3.02E-04	2.3E-05	0.00448	2.9E-07	0.0048	3.70E-04	2.83E-05	0.005514	1.6E-07	5.91E-03	0.000326	2.18E-05	0.0105	1.65E-07	0.010848
5226	481863.09	3865377.25	0.15365	0.20898	0.18721	0.26574	2.89E-04	1.8E-05	0.00407	3E-07	0.00437	3.54E-04	2.25E-05	0.005007	1.66E-07	5.38E-03	0.000312	1.73E-05	0.009535	1.72E-07	0.009864
5227	482363.09	3865377.25	0.14307	0.24504	0.15814	0.25636	2.69E-04	2.1E-05	0.00343	2.9E-07	0.00372	3.29E-04	2.63E-05	0.00423	1.6E-07	4.59E-03	0.00029	2.03E-05	0.008054	1.66E-07	0.008365
5228	482863.09	3865377.25	0.15952	0.26992	0.15759	0.25341	3.00E-04	2.4E-05	0.00342	2.8E-07	0.00375	3.67E-04	2.9E-05	0.004215	1.58E-07	4.61E-03	0.000324	2.23E-05	0.008026	1.64E-07	0.008373
5229	483363.09	3865377.25	0.14801	0.29442	0.16097	0.25049	2.78E-04	2.6E-05	0.0035	2.8E-07	0.0038	3.41E-04	3.17E-05	0.004305	1.57E-07	4.68E-03	0.000301	2.43E-05	0.008198	1.62E-07	0.008523
5230	483863.09	3865377.25	0.15696	0.26974	0.17716	0.24853	2.95E-04	2.4E-05	0.00385	2.8E-07	0.00417	3.61E-04	2.9E-05	0.004738	1.55E-07	5.13E-03	0.000319	2.23E-05	0.009023	1.61E-07	0.009364
5231	484363.09	3865377.25	0.14637	0.22246	0.1719	0.23394	2.75E-04	2E-05	0.00373	2.6E-07	0.00403	3.37E-04	2.39E-05	0.004598	1.46E-07	4.96E-03	0.000297	1.84E-05	0.008755	1.51E-07	0.009071
5232	484863.09	3865377.25	0.14019	0.2721	0.1654	0.2354	2.63E-04	2.4E-05	0.00359	2.6E-07	0.00388	3.23E-04	2.93E-05	0.004424	1.47E-07	4.78E-03	0.000285	2.25E-05	0.008424	1.52E-07	0.008731
5233	485363.09	3865377.25	0.14059	0.25322	0.15703	0.22346	2.64E-04	2.2E-05	0.00341	2.5E-07	0.0037	3.24E-04	2.72E-05	0.0042	1.4E-07	4.55E-03	0.000285	2.09E-05	0.007998	1.44E-07	0.008304
5234	485863.09	3865377.25	0.14064	0.25834	0.16675	0.2147	2.64E-04	2.3E-05	0.00362	2.4E-07	0.00391	3.24E-04	2.78E-05	0.00446	1.34E-07	4.81E-03	0.000286	2.14E-05	0.008493	1.39E-07	0.0088
5235	486363.09	3865377.25	0.15605	0.23694	0.17809	0.21144	2.93E-04	2.1E-05	0.00387	2.4E-07	0.00418	3.59E-04	2.55E-05	0.004763	1.32E-07	5.15E-03	0.000317	1.96E-05	0.00907	1.37E-07	0.009407
5236	486863.09	3865377.25	0.15442	0.227	0.17698	0.23441	2.90E-04	2E-05	0.00384	2.6E-07	0.00415	3.56E-04	2.44E-05	0.004733	1.47E-07	5.11E-03	0.000314	1.88E-05	0.009014	1.51E-07	0.009346
5237	487363.09	3865377.25	0.16749	0.229	0.17942	0.24476	3.15E-04	2E-05	0.0039	2.7E-07	0.00423	3.86E-04	2.46E-05	0.004799	1.53E-07	5.21E-03	0.00034	1.89E-05	0.009138	1.58E-07	0.009497
5238	487863.09	3865377.25	0.16844	0.25014	0.19257	0.23059	3.17E-04	2.2E-05	0.00418	2.6E-07	0.00452	3.88E-04	2.69E-05	0.00515	1.44E-07	5.57E-03	0.000342	2.07E-05	0.009808	1.49E-07	0.010171
5239	488363.09	3865377.25	0.16691	0.23166	0.18527	0.2783	3.14E-04	2E-05	0.00402	3.1E-07	0.00436	3.84E-04	2.49E-05	0.004955	1.74E-07	5.36E-03	0.000339	1.92E-05	0.009436	1.8E-07	0.009794
5240	488863.09	3865377.25	0.17514	0.23863	0.18247	0.26639	3.29E-04	2.1E-05	0.00396	3E-07	0.00431	4.03E-04	2.57E-05	0.00488	1.67E-07	5.31E-03	0.000356	1.97E-05	0.009293	1.72E-07	0.009669
5241	489363.09	3865377.25	0.17308	0.26018	0.17086	0.27382	3.25E-04	2.3E-05	0.00371	3.1E-07	0.00406	3.99E-04	2.8E-05	0.00457	1.71E-07	5.00E-03	0.000351	2.15E-05	0.008702	1.77E-07	0.009075
5242	489863.09	3865377.25	0.17268	0.28002	0.17704	0.28654	3.25E-04	2.5E-05	0.00384	3.2E-07	0.00419	3.98E-04	3.01E-05	0.004735	1.79E-07	5.16E-03	0.000351	2.32E-05	0.009017	1.85E-07	0.009391

5243	490363.09	3865377.25	0.19367	0.25126	0.21647	0.31711	3.64E-04	2.2E-05	0.0047	3.5E-07	0.00509	4.46E-04	2.7E-05	0.00579	1.98E-07	6.26E-03	0.000393	2.08E-05	0.011025	2.05E-07	0.011439
5244	490863.09	3865377.25	0.18905	0.26253	0.20108	0.30053	3.55E-04	2.3E-05	0.00437	3.4E-07	0.00475	4.35E-04	2.82E-05	0.005378	1.88E-07	5.84E-03	0.000384	2.17E-05	0.010241	1.94E-07	0.010647
5245	491363.09	3865377.25	0.21467	0.24141	0.26094	0.35265	4.03E-04	2.1E-05	0.00567	3.9E-07	0.00609	4.94E-04	2.6E-05	0.006979	2.21E-07	7.50E-03	0.000436	2E-05	0.01329	2.28E-07	0.013746
5246	491863.09	3865377.25	0.23531	0.29946	0.2669	0.38435	4.42E-04	2.6E-05	0.0058	4.3E-07	0.00626	5.42E-04	3.22E-05	0.007138	2.4E-07	7.71E-03	0.000478	2.48E-05	0.013593	2.48E-07	0.014096
5247	492363.09	3865377.25	0.25399	0.31643	0.31387	0.29825	4.77E-04	2.8E-05	0.00682	3.3E-07	0.00732	5.85E-04	3.4E-05	0.008395	1.87E-07	9.01E-03	0.000516	2.62E-05	0.015986	1.93E-07	0.016528
5248	492863.09	3865377.25	0.23102	0.25621	0.30776	0.17199	4.34E-04	2.2E-05	0.00668	1.9E-07	0.00714	5.32E-04	2.75E-05	0.008231	1.08E-07	8.79E-03	0.000469	2.12E-05	0.015674	1.11E-07	0.016165
5249	493363.09	3865377.25	0.17757	0.17054	0.24255	0.12005	3.34E-04	1.5E-05	0.00527	1.3E-07	0.00562	4.09E-04	1.83E-05	0.006487	7.51E-08	6.91E-03	0.000361	1.41E-05	0.012353	7.75E-08	0.012728
5250	493863.09	3865377.25	0.26954	0.29935	0.31689	0.25999	5.07E-04	2.6E-05	0.00688	2.9E-07	0.00741	6.21E-04	3.22E-05	0.008475	1.63E-07	9.13E-03	0.000547	2.48E-05	0.016139	1.68E-07	0.016712
5251	494363.09	3865377.25	0.29902	0.33928	0.30321	0.41212	5.62E-04	3E-05	0.00658	4.6E-07	0.00718	6.89E-04	3.65E-05	0.00811	2.58E-07	8.83E-03	0.000607	2.81E-05	0.015443	2.66E-07	0.016078
5252	494863.09	3865377.25	0.2343	0.29809	0.23914	0.40435	4.40E-04	2.6E-05	0.00519	4.5E-07	0.00566	5.40E-04	3.2E-05	0.006396	2.53E-07	6.97E-03	0.000476	2.47E-05	0.01218	2.61E-07	0.01268
5253	495363.09	3865377.25	0.23976	0.28362	0.24375	0.45638	4.51E-04	2.5E-05	0.00529	5.1E-07	0.00577	5.52E-04	3.05E-05	0.006519	2.85E-07	7.10E-03	0.000487	2.35E-05	0.012414	2.95E-07	0.012925
5254	495863.09	3865377.25	0.21362	0.29632	0.21229	0.43688	4.01E-04	2.6E-05	0.00461	4.9E-07	0.00504	4.92E-04	3.19E-05	0.005678	2.73E-07	6.20E-03	0.000434	2.45E-05	0.010812	2.82E-07	0.011271
5255	496363.09	3865377.25	0.19189	0.24535	0.19215	0.36742	3.61E-04	2.2E-05	0.00417	4.1E-07	0.00456	4.42E-04	2.64E-05	0.005139	2.3E-07	5.61E-03	0.00039	2.03E-05	0.009786	2.37E-07	0.010196
5256	496863.09	3865377.25	0.17823	0.25517	0.18048	0.40359	3.35E-04	2.2E-05	0.00392	4.5E-07	0.00428	4.10E-04	2.74E-05	0.004827	2.52E-07	5.27E-03	0.000362	2.11E-05	0.009192	2.61E-07	0.009575
5257	497363.09	3865377.25	0.16938	0.23357	0.17484	0.28907	3.18E-04	2E-05	0.0038	3.2E-07	0.00414	3.90E-04	2.51E-05	0.004676	1.81E-07	5.09E-03	0.000344	1.93E-05	0.008905	1.87E-07	0.009268
5258	497863.09	3865377.25	0.15084	0.21757	0.15732	0.28334	2.83E-04	1.9E-05	0.00342	3.2E-07	0.00372	3.47E-04	2.34E-05	0.004208	1.77E-07	4.58E-03	0.000306	1.8E-05	0.008012	1.83E-07	0.008337
5259	498363.09	3865377.25	0.14516	0.21286	0.15431	0.29862	2.73E-04	1.9E-05	0.00335	3.3E-07	0.00364	3.34E-04	2.29E-05	0.004127	1.87E-07	4.48E-03	0.000295	1.76E-05	0.007859	1.93E-07	0.008172
5260	471363.09	3865877.25	0.1086	0.14804	0.11844	0.1674	2.04E-04	1.3E-05	0.00257	1.9E-07	0.00279	2.50E-04	1.59E-05	0.003168	1.05E-07	3.43E-03	0.00022	1.22E-05	0.006032	1.08E-07	0.006265
5261	471863.09	3865877.25	0.10711	0.15585	0.11134	0.16426	2.01E-04	1.4E-05	0.00242	1.8E-07	0.00263	2.47E-04	1.68E-05	0.002978	1.03E-07	3.24E-03	0.000217	1.29E-05	0.005671	1.06E-07	0.005901
5262	472363.09	3865877.25	0.11257	0.15405	0.1168	0.16409	2.12E-04	1.4E-05	0.00254	1.8E-07	0.00276	2.59E-04	1.66E-05	0.003124	1.03E-07	3.40E-03	0.000229	1.27E-05	0.005949	1.06E-07	0.00619
5263	472863.09	3865877.25	0.11574	0.14452	0.12693	0.1584	2.17E-04	1.3E-05	0.00276	1.8E-07	0.00299	2.67E-04	1.55E-05	0.003395	9.91E-08	3.68E-03	0.000235	1.2E-05	0.006465	1.02E-07	0.006712
5264	473363.09	3865877.25	0.12205	0.15654	0.13315	0.17176	2.29E-04	1.4E-05	0.00289	1.9E-07	0.00313	2.81E-04	1.68E-05	0.003561	1.07E-07	3.86E-03	0.000248	1.29E-05	0.006781	1.11E-07	0.007042
5265	473863.09	3865877.25	0.1226	0.1532	0.13728	0.1852	2.30E-04	1.3E-05	0.00298	2.1E-07	0.00323	2.82E-04	1.65E-05	0.003672	1.16E-07	3.97E-03	0.000249	1.27E-05	0.006992	1.2E-07	0.007253
5266	474363.09	3865877.25	0.13109	0.1734	0.13363	0.18001	2.46E-04	1.5E-05	0.0029	2E-07	0.00316	3.02E-04	1.86E-05	0.003574	1.13E-07	3.89E-03	0.000266	1.43E-05	0.006806	1.16E-07	0.007086
5267	474863.09	3865877.25	0.13311	0.19476	0.1344	0.187	2.50E-04	1.7E-05	0.00292	2.1E-07	0.00319	3.07E-04	2.09E-05	0.003595	1.17E-07	3.92E-03	0.00027	1.61E-05	0.006845	1.21E-07	0.007132
5268	475363.09	3865877.25	0.13981	0.21761	0.13714	0.18537	2.63E-04	1.9E-05	0.00298	2.1E-07	0.00326	3.22E-04	2.34E-05	0.003668	1.16E-07	4.01E-03	0.000284	1.8E-05	0.006985	1.2E-07	0.007287
5269	475863.09	3865877.25	0.14019	0.21198	0.15479	0.19244	2.63E-04	1.9E-05	0.00336	2.2E-07	0.00364	3.23E-04	2.28E-05	0.00414	1.2E-07	4.49E-03	0.000285	1.75E-05	0.007884	1.24E-07	0.008186
5270	476363.09	3865877.25	0.1466	0.21513	0.166	0.22323	2.75E-04	1.9E-05	0.0036	2.5E-07	0.0039	3.38E-04	2.31E-05	0.00444	1.4E-07	4.80E-03	0.000298	1.78E-05	0.008454	1.44E-07	0.00877
5271	476863.09	3865877.25	0.16667	0.21201	0.17796	0.2127	3.13E-04	1.9E-05	0.00386	2.4E-07	0.0042	3.84E-04	2.28E-05	0.00476	1.33E-07	5.17E-03	0.000338	1.75E-05	0.009064	1.37E-07	0.00942
5272	477363.09	3865877.25	0.14977	0.198	0.15896	0.2218	2.81E-04	1.7E-05	0.00345	2.5E-07	0.00375	3.45E-04	2.13E-05	0.004251	1.39E-07	4.62E-03	0.000304	1.64E-05	0.008096	1.43E-07	0.008417
5273	477863.09	3865877.25	0.14215	0.19191	0.15363	0.23045	2.67E-04	1.7E-05	0.00334	2.6E-07	0.00362	3.27E-04	2.06E-05	0.004109	1.44E-07	4.46E-03	0.000289	1.59E-05	0.007824	1.49E-07	0.008129
5274	478363.09	3865877.25	0.13475	0.20554	0.14863	0.20912	2.53E-04	1.8E-05	0.00323	2.3E-07	0.0035	3.10E-04	2.21E-05	0.003975	1.31E-07	4.31E-03	0.000274	1.7E-05	0.00757	1.35E-07	0.007861
5275	478863.09	3865877.25	0.13296	0.21116	0.14485	0.18189	2.50E-04	1.9E-05	0.00315	2E-07	0.00341	3.06E-04	2.27E-05	0.003874	1.14E-07	4.20E-03	0.00027	1.75E-05	0.007377	1.17E-07	0.007665
5276	479363.09	3865877.25	0.15124	0.22528	0.15913	0.17777	2.84E-04	2E-05	0.00346	2E-07	0.00376	3.48E-04	2.42E-05	0.004256	1.11E-07	4.63E-03	0.000307	1.86E-05	0.008105	1.15E-07	0.00843
5277	479863.09	3865877.25	0.14567	0.24274	0.16474	0.20536	2.74E-04	2.1E-05	0.00358	2.3E-07	0.00387	3.35E-04	2.61E-05	0.004406	1.28E-07	4.77E-03	0.000296	2.01E-05	0.00839	1.33E-07	0.008706
5278	480363.09	3865877.25	0.15027	0.23479	0.15439	0.23105	2.82E-04	2.1E-05	0.00335	2.6E-07	0.00366	3.46E-04	2.52E-05	0.004129	1.45E-07	4.50E-03	0.000305	1.94E-05	0.007863	1.49E-07	0.008188
5279	480863.09	3865877.25	0.15191	0.22315	0.17372	0.23185	2.85E-04	2E-05	0.00377	2.6E-07	0.00408	3.50E-04	2.4E-05	0.004646	1.45E-07	5.02E-03	0.000308	1.85E-05	0.008848	1.5E-07	0.009175
5280	481363.09	3865877.25	0.1476	0.19889	0.18543	0.22272	2.77E-04	1.7E-05	0.00403	2.5E-07	0.00432	3.40E-04	2.14E-05	0.004959	1.39E-07	5.32E-03	0.0003	1.64E-05	0.009444	1.44E-07	0.00976
5281	481863.09	3865877.25	0.13954	0.21281	0.16141	0.24716	2.62E-04	1.9E-05	0.00351	2.8E-07	0.00379	3.21E-04	2.29E-05	0.004317	1.55E-07	4.66E-03	0.000283	1.76E-05	0.008221	1.6E-07	0.008522
5282	482363.09	3865877.25	0.13481	0.2394	0.15668	0.24388	2.53E-04	2.1E-05	0.0034	2.7E-07	0.00368	3.10E-04	2.57E-05	0.004191	1.53E-07	4.53E-03	0.000274	1.98E-05	0.00798	1.58E-07	0.008273
5283	482863.09	3865877.25	0.14262	0.25394	0.14488	0.23293	2.68E-04	2.2E-05	0.00315	2.6E-07	0.00344	3.28E-04	2.73E-05	0.003875	1.46E-07	4.23E-03	0.00029	2.1E-05	0.007379	1.5E-07	0.00769
5284	483363.09	3865877.25	0.13958	0.26814	0.15513	0.23027	2.62E-04	2.4E-05	0.00337	2.6E-07	0.00365	3.21E-04	2.88E-05	0.004149	1.44E-07	4.50E-03	0.000283	2.22E-05	0.007901	1.49E-07	0.008207
5285	483863.09	3865877.25	0.14698	0.21666	0.16353	0.22441	2.76E-04	1.9E-05	0.00355	2.5E-07	0.00385	3.38E-04	2.33E-05	0.004374	1.4E-07	4.74E-03	0.000298	1.79E-05	0.008329	1.45E-07	0.008645
5286	484363.09	3865877.25	0.13726	0.21074	0.15914	0.226	2.58E-04	1.8E-05	0.00346	2.5E-07	0.00373	3.16E-04	2.27E-05	0.004256	1.41E-07	4.60E-03	0.000279	1.74E-05	0.008105	1.46E-07	0.008401
5287	484863.09	3865877.25	0.13111	0.22007	0.15217	0.22018	2.46E-04	1.9E-05	0.0033	2.5E-07	0.00357	3.02E-04	2.37E-05	0.00407	1.38E-07	4.40E-03	0.000266	1.82E-05	0.00775	1.42E-07	0.008035
5288	485363.09	3865877.25	0.13161	0.23458	0.14858	0.21366	2.47E-04	2.1E-05	0.00323	2.4E-07	0.00349	3.03E-04	2.52E-05	0.003974	1.34E-07	4.30E-03	0.000267	1.94E-05	0.007567	1.38E-07	0.007854
5289	485863.09	3865877.25	0.1313	0.21893	0.15762	0.19572	2.47E-04	1.9E-05	0.00342	2.2E-07	0.00369	3.02E-04	2.35E-05	0.004216	1.22E-07	4.54E-03	0.000267	1.81E-05	0.008028	1.26E-07	0.008312
5290	486363.09	3865877.25	0.14568	0.22972	0.16843	0.19643	2.74E-04	2E-05	0.00366	2.2E-07	0.00395	3.35E-04	2.47E-05	0.004505	1.23E-07	4.87E-03	0.000296	1.9E-05	0.008578	1.27E-07	0.008893
5291	486863.09	3865877.25	0.146	0.21151	0.16775	0.21675	2.74E-04	1.9E-05	0.00364	2.4E-07	0.00394	3.36E-04	2.27E-05	0.004487	1.36E-07	4.85E-03	0.000296	1.75E-05	0.008544	1.4E-07	0.008858
5292	487363.09	3865877.25	0.15792	0.21084	0.16832	0.22621	2.97E-04	1.8E-05	0.00366	2.5E-07	0.00397	3.64E-04	2.27E-05	0.004502	1.41E-07	4.89E-03	0.000321	1.74E-05	0.008573	1.46E-07	0.008911
5293	487863.09	3865877.25	0.15541	0.2126	0.17776	0.21869	2.92E-04	1.9E-05	0.00386	2.4E-07	0.00417	3.58E-04	2.29E-05	0.004754	1.37E-07	5.14E-03	0.000316	1.76E-05	0.009053	1.41E-07	0.009387
5294	488363.09	3865877.25	0.15881	0.21553	0.17617	0.25306	2.98E-04	1.9E-05	0.00383	2.8E-07	0.00414	3.66E-04	2.32E-05	0.004712	1.58E-07	5.10E-03	0.000322	1.78E-05	0.008972	1.63E-07	0.009313
5295	488863.09	3865877.25	0.16182	0.22576	0.16792	0.26114	3.04E-04	2E-05	0.00365	2.9E-07	0.00397	3.73E-04	2.43E-05	0.004491	1.63E-07	4.89E-03	0.000329	1.87E-05	0.008552	1.69E-07	0.0089
5296	489363.09	3865877.25	0.16702	0.23632	0.16562	0.25988	3.14E-04	2.1E-05	0.0036	2.9E-07	0.00393	3.85E-04	2.54E-05	0.00443	1.63E-07	4.84E-03	0.000339	1.95E-05	0.008435	1.68E-07	0.008794
5297	489863.09	3865877.25	0.15037	0.24753	0.16589	0.26949	2.83E-04	2.2E-05	0.0036	3E-07	0.00391	3.46E-04	2.66E-05	0.004437	1.69E-07	4.81E-03	0.000305	2.05E-05	0.008449	1.74E-07	0.008775
5298	490363.09	3865877.25	0.16261	0.24383	0.17572	0.29131	3.06E-04	2.1E-05	0.00382	3.3E-07	0.00414	3.74E-04	2.62E-05	0.0047	1.82E-07	5.10E-03	0.00033	2.02E-05	0.00895	1.88E-07	0.0093
5299	490863.09	3865877.25	0.17527	0.23492	0.18172	0.28412	3.29E-04	2.1E-05	0.00395	3.2E-07	0.0043	4.04E-04	2.53E-05	0.00486	1.78E-07	5.29E-03	0.000356	1.94E-05	0.009255	1.84E-07	0.009631
5300	491363.09	3865877.25	0.18191	0.24468	0.22079	0.28198	3.42E-04	2.1E-05	0.00479	3.2E-07	0.00516	4.19E-04	2.63E-05	0.005905	1.76E-07	6.35E-03	0.000369	2.02E-05	0.011245	1.82E-07	0.011635
5301	491863.09	3865877.25	0.22906	0.28464	0.25235	0.35367	4.30E-04	2.5E-05	0.00548	4E-07	0.00594	5.27E-04	3.06E-05	0.006749	2.21E-07	7.31E-03	0.000465	2.35E-05	0.012852	2.28E-07	0.013341
5302	492363.09	3865877.25	0.25695	0.31725	0.27472	0.30541	4.83E-04	2.8E-05	0.00597	3.4E-07	0.00648	5.92E-04	3.41E-05	0.007348	1.91E-07	7.97E-03	0.000522	2.62E-05	0.013992	1.97E-07	0.01454
5303	492863.09	3865877.25	0.22698	0.23037	0.29529	0.18391	4.27E-04	2E-05	0.00641	2.1E-07	0.00686	5.23E-04	2.48E-05	0.007898	1.15E-07	8.45E-03	0.000461	1.91E-05	0.015039	1.19E-07	0.015519

5304	493363.09	3865877.25	0.2403	0.26724	0.30241	0.19109	4.52E-04	2.3E-05	0.00657	2.1E-07	0.00704	5.53E-04	2.87E-05	0.008088	1.2E-07	8.67E-03	0.000488	2.21E-05	0.015402	1.23E-07	0.015912
5305	493863.09	3865877.25	0.27018	0.29156	0.33893	0.28515	5.08E-04	2.6E-05	0.00736	3.2E-07	0.00789	6.22E-04	3.13E-05	0.009065	1.78E-07	9.72E-03	0.000549	2.41E-05	0.017262	1.84E-07	0.017835
5306	494363.09	3865877.25	0.26621	0.30571	0.29279	0.35	5.00E-04	2.7E-05	0.00636	3.9E-07	0.00689	6.13E-04	3.29E-05	0.007831	2.19E-07	8.48E-03	0.000541	2.53E-05	0.014912	2.26E-07	0.015478
5307	494863.09	3865877.25	0.20869	0.27564	0.20229	0.40132	3.92E-04	2.4E-05	0.00439	4.5E-07	0.00481	4.81E-04	2.96E-05	0.00541	2.51E-07	5.92E-03	0.000424	2.28E-05	0.010303	2.59E-07	0.01075
5308	495363.09	3865877.25	0.19834	0.26692	0.20234	0.37486	3.73E-04	2.3E-05	0.00439	4.2E-07	0.00479	4.57E-04	2.87E-05	0.005412	2.34E-07	5.90E-03	0.000403	2.21E-05	0.010305	2.42E-07	0.01073
5309	495863.09	3865877.25	0.22858	0.26411	0.22859	0.42753	4.30E-04	2.3E-05	0.00496	4.8E-07	0.00542	5.26E-04	2.84E-05	0.006114	2.67E-07	6.67E-03	0.000464	2.18E-05	0.011642	2.76E-07	0.012128
5310	496363.09	3865877.25	0.21905	0.29622	0.21179	0.45845	4.12E-04	2.6E-05	0.0046	5.1E-07	0.00504	5.04E-04	3.18E-05	0.005664	2.87E-07	6.20E-03	0.000445	2.45E-05	0.010787	2.96E-07	0.011256
5311	496863.09	3865877.25	0.21122	0.26875	0.21726	0.36645	3.97E-04	2.4E-05	0.00472	4.1E-07	0.00514	4.86E-04	2.89E-05	0.005811	2.29E-07	6.33E-03	0.000429	2.22E-05	0.011065	2.37E-07	0.011516
5312	497363.09	3865877.25	0.17628	0.23913	0.17372	0.3509	3.31E-04	2.1E-05	0.00377	3.9E-07	0.00413	4.06E-04	2.57E-05	0.004646	2.19E-07	5.08E-03	0.000358	1.98E-05	0.008848	2.27E-07	0.009226
5313	497863.09	3865877.25	0.16443	0.2171	0.16338	0.32088	3.09E-04	1.9E-05	0.00355	3.6E-07	0.00388	3.79E-04	2.33E-05	0.00437	2.01E-07	4.77E-03	0.000334	1.8E-05	0.008321	2.07E-07	0.008673
5314	498363.09	3865877.25	0.17119	0.21634	0.16874	0.29136	3.22E-04	1.9E-05	0.00366	3.3E-07	0.00401	3.94E-04	2.33E-05	0.004513	1.82E-07	4.93E-03	0.000348	1.79E-05	0.008594	1.88E-07	0.00896
5315	471363.09	3866377.25	0.09905	0.14902	0.10721	0.15843	1.86E-04	1.3E-05	0.00233	1.8E-07	0.00253	2.28E-04	1.6E-05	0.002867	9.91E-08	3.11E-03	0.000201	1.23E-05	0.00546	1.02E-07	0.005674
5316	471863.09	3866377.25	0.10548	0.13849	0.11063	0.15454	1.98E-04	1.2E-05	0.0024	1.7E-07	0.00261	2.43E-04	1.49E-05	0.002959	9.67E-08	3.22E-03	0.000214	1.15E-05	0.005634	9.98E-08	0.00586
5317	472363.09	3866377.25	0.10937	0.14054	0.12013	0.1527	2.06E-04	1.2E-05	0.00261	1.7E-07	0.00283	2.52E-04	1.51E-05	0.003213	9.55E-08	3.48E-03	0.000222	1.16E-05	0.006118	9.86E-08	0.006352
5318	472863.09	3866377.25	0.11589	0.14894	0.12612	0.16699	2.18E-04	1.3E-05	0.00274	1.9E-07	0.00297	2.67E-04	1.6E-05	0.003373	1.04E-07	3.66E-03	0.000235	1.23E-05	0.006423	1.08E-07	0.006671
5319	473363.09	3866377.25	0.11261	0.1445	0.12563	0.17511	2.12E-04	1.3E-05	0.00273	2E-07	0.00295	2.59E-04	1.55E-05	0.00336	1.1E-07	3.64E-03	0.000229	1.19E-05	0.006398	1.13E-07	0.006639
5320	473863.09	3866377.25	0.11667	0.15589	0.12448	0.16907	2.19E-04	1.4E-05	0.0027	1.9E-07	0.00294	2.69E-04	1.68E-05	0.003329	1.06E-07	3.61E-03	0.000237	1.29E-05	0.00634	1.09E-07	0.00659
5321	474363.09	3866377.25	0.12445	0.17746	0.12442	0.17599	2.34E-04	1.6E-05	0.0027	2E-07	0.00295	2.87E-04	1.91E-05	0.003328	1.1E-07	3.63E-03	0.000253	1.47E-05	0.006337	1.14E-07	0.006604
5322	474863.09	3866377.25	0.12777	0.19871	0.12716	0.1711	2.40E-04	1.7E-05	0.00276	1.9E-07	0.00302	2.94E-04	2.14E-05	0.003401	1.07E-07	3.72E-03	0.000259	1.64E-05	0.006476	1.11E-07	0.006752
5323	475363.09	3866377.25	0.12893	0.20314	0.14115	0.17975	2.42E-04	1.8E-05	0.00307	2E-07	0.00333	2.97E-04	2.18E-05	0.003775	1.12E-07	4.09E-03	0.000262	1.68E-05	0.007189	1.16E-07	0.007468
5324	475863.09	3866377.25	0.13279	0.20188	0.14698	0.19389	2.50E-04	1.8E-05	0.00319	2.2E-07	0.00346	3.06E-04	2.17E-05	0.003931	1.21E-07	4.26E-03	0.00027	1.67E-05	0.007486	1.25E-07	0.007772
5325	476363.09	3866377.25	0.14492	0.19004	0.14955	0.21092	2.72E-04	1.7E-05	0.00325	2.4E-07	0.00354	3.34E-04	2.04E-05	0.004	1.32E-07	4.35E-03	0.000294	1.57E-05	0.007617	1.36E-07	0.007927
5326	476863.09	3866377.25	0.16051	0.19611	0.16289	0.19239	3.02E-04	1.7E-05	0.00354	2.1E-07	0.00386	3.70E-04	2.11E-05	0.004357	1.2E-07	4.75E-03	0.000326	1.62E-05	0.008296	1.24E-07	0.008638
5327	477363.09	3866377.25	0.1399	0.18193	0.14925	0.219	2.63E-04	1.6E-05	0.00324	2.4E-07	0.00352	3.22E-04	1.96E-05	0.003992	1.37E-07	4.33E-03	0.000284	1.5E-05	0.007601	1.41E-07	0.007901
5328	477863.09	3866377.25	0.12671	0.17404	0.14328	0.19424	2.38E-04	1.5E-05	0.00311	2.2E-07	0.00337	2.92E-04	1.87E-05	0.003832	1.21E-07	4.14E-03	0.000257	1.44E-05	0.007297	1.25E-07	0.007569
5329	478363.09	3866377.25	0.12168	0.19231	0.13224	0.16949	2.29E-04	1.7E-05	0.00287	1.9E-07	0.00312	2.80E-04	2.07E-05	0.003537	1.06E-07	3.84E-03	0.000247	1.59E-05	0.006735	1.09E-07	0.006998
5330	478863.09	3866377.25	0.13457	0.1943	0.14653	0.16536	2.53E-04	1.7E-05	0.00318	1.8E-07	0.00345	3.10E-04	2.09E-05	0.003919	1.03E-07	4.25E-03	0.000273	1.61E-05	0.007463	1.07E-07	0.007752
5331	479363.09	3866377.25	0.13872	0.22892	0.1481	0.1784	2.61E-04	2E-05	0.00322	2E-07	0.0035	3.19E-04	2.46E-05	0.003961	1.12E-07	4.31E-03	0.000282	1.89E-05	0.007543	1.15E-07	0.007844
5332	479863.09	3866377.25	0.13904	0.22927	0.1425	0.20523	2.61E-04	2E-05	0.00309	2.3E-07	0.00338	3.20E-04	2.46E-05	0.003811	1.28E-07	4.16E-03	0.000282	1.9E-05	0.007258	1.33E-07	0.007559
5333	480363.09	3866377.25	0.14406	0.22378	0.14757	0.21111	2.71E-04	2E-05	0.0032	2.4E-07	0.0035	3.32E-04	2.41E-05	0.003947	1.32E-07	4.30E-03	0.000292	1.85E-05	0.007516	1.36E-07	0.007827
5334	480863.09	3866377.25	0.14263	0.21125	0.18184	0.20629	2.68E-04	1.9E-05	0.00395	2.3E-07	0.00424	3.28E-04	2.27E-05	0.004863	1.29E-07	5.21E-03	0.00029	1.75E-05	0.009261	1.33E-07	0.009568
5335	481363.09	3866377.25	0.13691	0.17536	0.16472	0.23161	2.57E-04	1.5E-05	0.00358	2.6E-07	0.00385	3.15E-04	1.89E-05	0.004406	1.45E-07	4.74E-03	0.000278	1.45E-05	0.008389	1.5E-07	0.008682
5336	481863.09	3866377.25	0.12661	0.23152	0.13766	0.23592	2.38E-04	2E-05	0.00299	2.6E-07	0.00325	2.92E-04	2.49E-05	0.003682	1.48E-07	4.00E-03	0.000257	1.91E-05	0.007011	1.52E-07	0.007287
5337	482363.09	3866377.25	0.13238	0.24172	0.14104	0.23266	2.49E-04	2.1E-05	0.00306	2.6E-07	0.00333	3.05E-04	2.6E-05	0.003772	1.46E-07	4.10E-03	0.000269	2E-05	0.007183	1.5E-07	0.007472
5338	482863.09	3866377.25	0.12668	0.24747	0.13505	0.2229	2.38E-04	2.2E-05	0.00293	2.5E-07	0.00319	2.92E-04	2.66E-05	0.003612	1.39E-07	3.93E-03	0.000257	2.05E-05	0.006878	1.44E-07	0.007156
5339	483363.09	3866377.25	0.13183	0.22859	0.1504	0.2147	2.48E-04	2E-05	0.00327	2.4E-07	0.00353	3.04E-04	2.46E-05	0.004023	1.34E-07	4.35E-03	0.000268	1.89E-05	0.00766	1.39E-07	0.007947
5340	483863.09	3866377.25	0.13667	0.19241	0.15595	0.20725	2.57E-04	1.7E-05	0.00339	2.3E-07	0.00366	3.15E-04	2.07E-05	0.004171	1.3E-07	4.51E-03	0.000277	1.59E-05	0.007943	1.34E-07	0.008236
5341	484363.09	3866377.25	0.1286	0.19015	0.14859	0.21786	2.42E-04	1.7E-05	0.00323	2.4E-07	0.00349	2.96E-04	2.04E-05	0.003974	1.36E-07	4.29E-03	0.000261	1.57E-05	0.007568	1.41E-07	0.007845
5342	484863.09	3866377.25	0.12188	0.20178	0.14808	0.20121	2.29E-04	1.8E-05	0.00322	2.2E-07	0.00346	2.81E-04	2.17E-05	0.00396	1.26E-07	4.26E-03	0.000247	1.67E-05	0.007542	1.3E-07	0.007806
5343	485363.09	3866377.25	0.12243	0.21774	0.1405	0.20388	2.30E-04	1.9E-05	0.00305	2.3E-07	0.0033	2.82E-04	2.34E-05	0.003758	1.28E-07	4.06E-03	0.000249	1.8E-05	0.007156	1.32E-07	0.007422
5344	485863.09	3866377.25	0.123	0.20594	0.14406	0.18129	2.31E-04	1.8E-05	0.00313	2E-07	0.00338	2.83E-04	2.21E-05	0.003853	1.13E-07	4.16E-03	0.00025	1.7E-05	0.007337	1.17E-07	0.007604
5345	486363.09	3866377.25	0.13625	0.20729	0.15654	0.18689	2.56E-04	1.8E-05	0.0034	2.1E-07	0.00367	3.14E-04	2.23E-05	0.004187	1.17E-07	4.52E-03	0.000277	1.71E-05	0.007973	1.21E-07	0.008267
5346	486863.09	3866377.25	0.13813	0.19808	0.15968	0.20108	2.60E-04	1.7E-05	0.00347	2.2E-07	0.00374	3.18E-04	2.13E-05	0.004271	1.26E-07	4.61E-03	0.00028	1.64E-05	0.008133	1.3E-07	0.00843
5347	487363.09	3866377.25	0.15235	0.20971	0.16066	0.20959	2.86E-04	1.8E-05	0.00349	2.3E-07	0.00379	3.51E-04	2.25E-05	0.004297	1.31E-07	4.67E-03	0.000309	1.73E-05	0.008183	1.35E-07	0.008509
5348	487863.09	3866377.25	0.14796	0.21385	0.16739	0.20897	2.78E-04	1.9E-05	0.00364	2.3E-07	0.00393	3.41E-04	2.3E-05	0.004477	1.31E-07	4.84E-03	0.0003	1.77E-05	0.008525	1.35E-07	0.008844
5349	488363.09	3866377.25	0.15535	0.20705	0.17188	0.23357	2.92E-04	1.8E-05	0.00373	2.6E-07	0.00404	3.58E-04	2.23E-05	0.004597	1.46E-07	4.98E-03	0.000315	1.71E-05	0.008754	1.51E-07	0.009087
5350	488863.09	3866377.25	0.15431	0.21406	0.16657	0.26541	2.90E-04	1.9E-05	0.00362	3E-07	0.00393	3.55E-04	2.3E-05	0.004455	1.66E-07	4.83E-03	0.000313	1.77E-05	0.008484	1.71E-07	0.008815
5351	489363.09	3866377.25	0.15991	0.21377	0.15966	0.25647	3.01E-04	1.9E-05	0.00347	2.9E-07	0.00379	3.68E-04	2.3E-05	0.00427	1.6E-07	4.66E-03	0.000325	1.77E-05	0.008132	1.66E-07	0.008474
5352	489863.09	3866377.25	0.15343	0.22502	0.15948	0.23525	2.88E-04	2E-05	0.00346	2.6E-07	0.00377	3.53E-04	2.42E-05	0.004265	1.47E-07	4.64E-03	0.000312	1.86E-05	0.008122	1.52E-07	0.008453
5353	490363.09	3866377.25	0.14675	0.22387	0.16469	0.25763	2.76E-04	2E-05	0.00358	2.9E-07	0.00387	3.38E-04	2.41E-05	0.004405	1.61E-07	4.77E-03	0.000298	1.85E-05	0.008388	1.66E-07	0.008704
5354	490863.09	3866377.25	0.15475	0.21499	0.17813	0.25864	2.91E-04	1.9E-05	0.00387	2.9E-07	0.00418	3.56E-04	2.31E-05	0.004764	1.62E-07	5.14E-03	0.000314	1.78E-05	0.009072	1.67E-07	0.009404
5355	491363.09	3866377.25	0.16213	0.21756	0.17221	0.26782	3.05E-04	1.9E-05	0.00374	3E-07	0.00406	3.73E-04	2.34E-05	0.004606	1.68E-07	5.00E-03	0.000329	1.8E-05	0.008771	1.73E-07	0.009118
5356	491863.09	3866377.25	0.20903	0.22637	0.26047	0.28925	3.93E-04	2E-05	0.00566	3.2E-07	0.00607	4.81E-04	2.43E-05	0.006966	1.81E-07	7.47E-03	0.000424	1.87E-05	0.013266	1.87E-07	0.013709
5357	492363.09	3866377.25	0.24591	0.28594	0.27481	0.32612	4.62E-04	2.5E-05	0.00597	3.6E-07	0.00646	5.66E-04	3.07E-05	0.00735	2.04E-07	7.95E-03	0.000499	2.36E-05	0.013996	2.11E-07	0.014519
5358	492863.09	3866377.25	0.23527	0.31647	0.26457	0.25318	4.42E-04	2.8E-05	0.00575	2.8E-07	0.00622	5.42E-04	3.4E-05	0.007076	1.58E-07	7.65E-03	0.000478	2.62E-05	0.013475	1.64E-07	0.013979
5359	493363.09	3866377.25	0.24363	0.23827	0.29525	0.25397	4.58E-04	2.1E-05	0.00641	2.8E-07	0.00689	5.61E-04	2.56E-05	0.007897	1.59E-07	8.48E-03	0.000495	1.97E-05	0.015037	1.64E-07	0.015552
5360	493863.09	3866377.25	0.25158	0.28358	0.28585	0.31342	4.73E-04	2.5E-05	0.00621	3.5E-07	0.00671	5.79E-04	3.05E-05	0.007645	1.96E-07	8.26E-03	0.000511	2.35E-05	0.014559	2.02E-07	0.015093
5361	494363.09	3866377.25	0.21109	0.27189	0.21731	0.37748	3.97E-04	2.4E-05	0.00472	4.2E-07	0.00514	4.86E-04	2.92E-05	0.005812	2.36E-07	6.33E-03	0.000429	2.25E-05	0.011068	2.44E-07	0.011519
5362	494863.09	3866377.25	0.21897	0.27281	0.22958	0.34319	4.11E-04	2.4E-05	0.00499	3.8E-07	0.00542	5.04E-04	2.93E-05	0.00614	2.15E-07	6.67E-03	0.000445	2.26E-05	0.011693	2.22E-07	0.01216
5363	495363.09	3866377.25	0.25645	0.29785	0.25796	0.35169	4.82E-04	2.6E-05	0.0056	3.9E-07	0.00611	5.91E-04	3.2E-05	0.006899	2.2E-07	7.52E-03	0.000521	2.46E-05	0.013138	2.27E-07	0.013684
5364	495863.09	3866377.25	0.2502	0.29094	0.26275	0.32934	4.70E-04	2.6E-05	0.00571	3.7E-07	0.0062	5.76E-04	3.13E-05	0.007027	2.06E-07	7.64E-03	0.000508	2.41E-05	0.013382	2.13E-07	0.013914

5365	496363.09	3866377.25	0.2733	0.32994	0.29428	0.39238	5.14E-04	2.9E-05	0.00639	4.4E-07	0.00693	6.29E-04	3.55E-05	0.007871	2.45E-07	8.54E-03	0.000555	2.73E-05	0.014988	2.53E-07	0.01557
5366	496863.09	3866377.25	0.26955	0.34363	0.28688	0.40837	5.07E-04	3E-05	0.00623	4.6E-07	0.00677	6.21E-04	3.69E-05	0.007673	2.55E-07	8.33E-03	0.000547	2.84E-05	0.014611	2.64E-07	0.015187
5367	497363.09	3866377.25	0.23098	0.28913	0.24897	0.31261	4.34E-04	2.5E-05	0.00541	3.5E-07	0.00587	5.32E-04	3.11E-05	0.006659	1.96E-07	7.22E-03	0.000469	2.39E-05	0.01268	2.02E-07	0.013173
5368	497863.09	3866377.25	0.20389	0.2659	0.20824	0.30371	3.83E-04	2.3E-05	0.00452	3.4E-07	0.00493	4.70E-04	2.86E-05	0.00557	1.9E-07	6.07E-03	0.000414	2.2E-05	0.010606	1.96E-07	0.011042
5369	498363.09	3866377.25	0.22764	0.28051	0.26528	0.28903	4.28E-04	2.5E-05	0.00576	3.2E-07	0.00621	5.24E-04	3.02E-05	0.007095	1.81E-07	7.65E-03	0.000462	2.32E-05	0.013511	1.87E-07	0.013996
5370	474494.92	3848334.16	0.27012	0.31993	0.27502	0.24195	5.08E-04	2.8E-05	0.00597	2.7E-07	0.00651	6.22E-04	3.44E-05	0.007356	1.51E-07	8.01E-03	0.000548	2.65E-05	0.014007	1.56E-07	0.014582
5371	475167.27	3848920.79	0.29349	0.3493	0.32986	0.27687	5.52E-04	3.1E-05	0.00716	3.1E-07	0.00775	6.76E-04	3.76E-05	0.008822	1.73E-07	9.54E-03	0.000596	2.89E-05	0.0168	1.79E-07	0.017425
5372	475297.89	3848997.96	0.30087	0.35871	0.33565	0.27498	5.65E-04	3.1E-05	0.00729	3.1E-07	0.00789	6.93E-04	3.86E-05	0.008977	1.72E-07	9.71E-03	0.000611	2.97E-05	0.017095	1.78E-07	0.017736
5373	475439.05	3849062	0.29308	0.35125	0.3359	0.25186	5.51E-04	3.1E-05	0.00729	2.8E-07	0.00788	6.75E-04	3.78E-05	0.008984	1.58E-07	9.70E-03	0.000595	2.9E-05	0.017108	1.63E-07	0.017732
5374	475486.86	3849061.09	0.29495	0.34794	0.34997	0.25641	5.54E-04	3.1E-05	0.0076	2.9E-07	0.00819	6.79E-04	3.74E-05	0.00936	1.6E-07	1.01E-02	0.000599	2.88E-05	0.017824	1.66E-07	0.018452
5375	475538.46	3849075.56	0.30011	0.35493	0.3416	0.26097	5.64E-04	3.1E-05	0.00742	2.9E-07	0.00801	6.91E-04	3.82E-05	0.009136	1.63E-07	9.87E-03	0.000609	2.94E-05	0.017398	1.69E-07	0.018037
5376	475751.79	3849137.15	0.31532	0.37949	0.34033	0.32672	5.93E-04	3.3E-05	0.00739	3.7E-07	0.00802	7.26E-04	4.08E-05	0.009102	2.04E-07	9.87E-03	0.00064	3.14E-05	0.017333	2.11E-07	0.018005
5377	476303.62	3849223.38	0.31683	0.35203	0.33057	0.28821	5.95E-04	3.1E-05	0.00718	3.2E-07	0.00781	7.30E-04	3.78E-05	0.008841	1.8E-07	9.61E-03	0.000643	2.91E-05	0.016836	1.86E-07	0.017509
5378	476304.51	3849238.92	0.31271	0.36132	0.32271	0.30328	5.88E-04	3.2E-05	0.00701	3.4E-07	0.00763	7.20E-04	3.88E-05	0.008631	1.9E-07	9.39E-03	0.000635	2.99E-05	0.016436	1.96E-07	0.017101
5379	476365.04	3849247.98	0.32248	0.36406	0.32006	0.2756	6.06E-04	3.2E-05	0.00695	3.1E-07	0.00759	7.43E-04	3.91E-05	0.00856	1.72E-07	9.34E-03	0.000655	3.01E-05	0.016301	1.78E-07	0.016986
5380	476444.86	3849267.13	0.31602	0.38394	0.31584	0.25751	5.94E-04	3.4E-05	0.00686	2.9E-07	0.00749	7.28E-04	4.13E-05	0.008447	1.61E-07	9.22E-03	0.000642	3.18E-05	0.016086	1.66E-07	0.016759
5381	476550.75	3849300.66	0.29308	0.3627	0.31744	0.26935	5.51E-04	3.2E-05	0.00689	3E-07	0.00748	6.75E-04	3.9E-05	0.00849	1.68E-07	9.20E-03	0.000595	3E-05	0.016167	1.74E-07	0.016793
5382	476656.71	3849346.88	0.30546	0.3458	0.29697	0.27249	5.74E-04	3E-05	0.00645	3E-07	0.00705	7.03E-04	3.72E-05	0.007943	1.7E-07	8.68E-03	0.00062	2.86E-05	0.015125	1.76E-07	0.015774
5383	476873.55	3849454.53	0.30706	0.36025	0.32965	0.31911	5.77E-04	3.2E-05	0.00716	3.6E-07	0.00777	7.07E-04	3.87E-05	0.008817	2E-07	9.56E-03	0.000623	2.98E-05	0.016789	2.06E-07	0.017443
5384	477700	3849859.7	0.3421	0.37941	0.33395	0.38387	6.43E-04	3.3E-05	0.00725	4.3E-07	0.00793	7.88E-04	4.08E-05	0.008932	2.4E-07	9.76E-03	0.000695	3.14E-05	0.017008	2.48E-07	0.017734
5385	477743.16	3849856.38	0.34843	0.38611	0.34329	0.3972	6.55E-04	3.4E-05	0.00745	4.4E-07	0.00814	8.02E-04	4.15E-05	0.009182	2.48E-07	1.00E-02	0.000707	3.19E-05	0.017484	2.57E-07	0.018224
5386	478477.35	3850216.33	0.38576	0.46857	0.40166	0.41987	7.25E-04	4.1E-05	0.00872	4.7E-07	0.00949	8.88E-04	5.04E-05	0.010743	2.63E-07	1.17E-02	0.000783	3.88E-05	0.020457	2.71E-07	0.021279
5387	478485.8	3850201.6	0.37089	0.45598	0.39549	0.40717	6.97E-04	4E-05	0.00859	4.5E-07	0.00933	8.54E-04	4.9E-05	0.010578	2.55E-07	1.15E-02	0.000753	3.77E-05	0.020143	2.63E-07	0.020934
5388	479113.21	3850501.53	0.41451	0.47355	0.42383	0.44365	7.79E-04	4.2E-05	0.0092	5E-07	0.01002	9.55E-04	5.09E-05	0.011336	2.77E-07	1.23E-02	0.000842	3.92E-05	0.021586	2.87E-07	0.022467
5389	479108.11	3850382.28	0.41719	0.47664	0.42861	0.58285	7.84E-04	4.2E-05	0.00931	6.5E-07	0.01013	9.61E-04	5.12E-05	0.011463	3.65E-07	1.25E-02	0.000847	3.94E-05	0.021829	3.77E-07	0.022716
5390	479689.85	3850674.28	0.51433	0.62267	0.53751	0.55924	9.67E-04	5.5E-05	0.01167	6.2E-07	0.01269	1.18E-03	6.69E-05	0.014376	3.5E-07	1.56E-02	0.001044	5.15E-05	0.027376	3.61E-07	0.028472
5391	479952.42	3850774.28	0.53458	0.63639	0.54134	0.65689	1.00E-03	5.6E-05	0.01176	7.3E-07	0.01282	1.23E-03	6.84E-05	0.014479	4.11E-07	1.58E-02	0.001085	5.26E-05	0.027571	4.24E-07	0.028709
5392	479911.32	3850884.85	0.53014	0.65964	0.54473	0.59105	9.96E-04	5.8E-05	0.01183	6.6E-07	0.01288	1.22E-03	7.09E-05	0.014569	3.7E-07	1.59E-02	0.001076	5.46E-05	0.027743	3.82E-07	0.028875
5393	480500.92	3851178.12	0.56343	0.74964	0.63244	0.77076	1.06E-03	6.6E-05	0.01373	8.6E-07	0.01486	1.30E-03	8.06E-05	0.016915	4.82E-07	1.83E-02	0.001144	6.2E-05	0.032211	4.98E-07	0.033417
5394	480738.01	3851289.27	0.58353	0.78088	0.671	0.8573	1.10E-03	6.9E-05	0.01457	9.6E-07	0.01574	1.34E-03	8.39E-05	0.017946	5.36E-07	1.94E-02	0.001185	6.46E-05	0.034174	5.54E-07	0.035424
5395	481055.42	3851443.58	0.59056	0.79277	0.705	1.01301	1.11E-03	7E-05	0.01531	1.1E-06	0.01649	1.36E-03	8.52E-05	0.018856	6.34E-07	2.03E-02	0.001199	6.56E-05	0.035906	6.54E-07	0.037171
5396	481110.22	3851443.15	0.58709	0.79045	0.67667	1.0032	1.10E-03	6.9E-05	0.01469	1.1E-06	0.01587	1.35E-03	8.5E-05	0.018098	6.27E-07	1.95E-02	0.001192	6.54E-05	0.034463	6.48E-07	0.035721
5397	481111.1	3851417.45	0.58412	0.77597	0.67821	0.98351	1.10E-03	6.8E-05	0.01473	1.1E-06	0.01589	1.35E-03	8.34E-05	0.018139	6.15E-07	1.96E-02	0.001186	6.42E-05	0.034542	6.35E-07	0.035792
5398	482248.44	3852605.09	0.84145	1.12242	0.97797	1.36224	1.58E-03	9.8E-05	0.02124	1.5E-06	0.02292	1.94E-03	0.000121	0.026156	8.52E-07	2.82E-02	0.001708	9.28E-05	0.049809	8.8E-07	0.051611
5399	482273.34	3852632.31	0.85039	1.13556	0.99089	1.37288	1.60E-03	1E-04	0.02152	1.5E-06	0.02322	1.96E-03	0.000122	0.026502	8.59E-07	2.86E-02	0.001727	9.39E-05	0.050467	8.87E-07	0.052288
5400	482665.46	3853038.72	0.98437	1.33827	1.17499	1.55181	1.85E-03	0.00012	0.02552	1.7E-06	0.02749	2.27E-03	0.000144	0.031426	9.71E-07	3.38E-02	0.001999	0.000111	0.059843	1E-06	0.061953
5401	483077.95	3853844.31	2.7055	2.4384	1.52843	1.47721	5.08E-03	0.00021	0.03319	1.7E-06	0.03849	6.23E-03	0.000262	0.040879	9.24E-07	4.74E-02	0.005493	0.000202	0.077844	9.54E-07	0.08354
5402	483121.38	3853909.38	2.70279	2.628	1.59086	1.43864	5.08E-03	0.00023	0.03455	1.6E-06	0.03986	6.22E-03	0.000283	0.042549	9E-07	4.91E-02	0.005488	0.000217	0.081023	9.29E-07	0.086729
5403	483492.64	3853911.49	1.97083	3.25827	1.93609	1.74627	3.70E-03	0.00029	0.04204	2E-06	0.04604	4.54E-03	0.00035	0.051782	1.09E-06	5.67E-02	0.004002	0.000269	0.098606	1.13E-06	0.102878
5404	483498.29	3854204.73	2.67657	3.64531	2.32102	1.60006	5.03E-03	0.00032	0.0504	1.8E-06	0.05575	6.16E-03	0.000392	0.062077	1E-06	6.86E-02	0.005434	0.000301	0.118211	1.03E-06	0.123948
5405	484132.44	3854662.55	4.36515	5.70695	3.63004	0.82093	8.20E-03	0.0005	0.07883	9.2E-07	0.08753	1.01E-02	0.000614	0.097088	5.13E-07	1.08E-01	0.008863	0.000472	0.18488	5.3E-07	0.194215
5406	484627.62	3854876.13	11.24066	12.55409	6.53778	1.2722	2.11E-02	0.0011	0.14197	1.4E-06	0.1642	2.59E-02	0.00135	0.174857	7.96E-07	2.02E-01	0.022823	0.001038	0.332973	8.22E-07	0.356835
5407	484756.14	3854949.04	10.6462	18.66421	9.58632	1.27688	2.00E-02	0.00164	0.20818	1.4E-06	0.22982	2.45E-02	0.002006	0.256393	7.99E-07	2.83E-01	0.021616	0.001544	0.488237	8.25E-07	0.511397
5408	486697.51	3856599.17	10.82199	5.80874	14.74294	3.84662	2.03E-02	0.00051	0.32016	4.3E-06	0.34101	2.49E-02	0.000624	0.39431	2.41E-06	4.20E-01	0.021973	0.00048	0.750866	2.48E-06	0.773322
5409	487105.31	3856962.27	9.97777	12.21882	13.944	4.99635	1.88E-02	0.00107	0.30281	5.6E-06	0.32264	2.30E-02	0.001314	0.372942	3.12E-06	3.97E-01	0.020259	0.00101	0.710176	3.23E-06	0.731448
5410	487157.57	3856901.7	8.08613	9.56422	11.09299	4.43253	1.52E-02	0.00084	0.2409	5E-06	0.25693	1.86E-02	0.001028	0.29669	2.77E-06	3.16E-01	0.016418	0.000791	0.564972	2.86E-06	0.582184
5411	487173.5	3856853.74	7.29813	8.30276	10.10031	4.12121	1.37E-02	0.00073	0.21934	4.6E-06	0.23379	1.68E-02	0.000893	0.27014	2.58E-06	2.88E-01	0.014818	0.000687	0.514415	2.66E-06	0.529922
5412	487564.41	3856860.83	4.54057	6.28464	6.5686	3.30976	8.53E-03	0.00055	0.14264	3.7E-06	0.15173	1.05E-02	0.000676	0.175682	2.07E-06	1.87E-01	0.009219	0.00052	0.334543	2.14E-06	0.344284
5413	487563.31	3856931.58	4.70984	7.50876	6.75342	3.70323	8.85E-03	0.00066	0.14666	4.1E-06	0.15617	1.08E-02	0.000807	0.180625	2.32E-06	1.92E-01	0.009563	0.000621	0.343956	2.39E-06	0.354142
5414	487782.7	3856926.85	3.93379	7.72869	5.46184	3.40165	7.39E-03	0.00068	0.11861	3.8E-06	0.12668	9.06E-03	0.000831	0.146081	2.13E-06	1.56E-01	0.007987	0.000639	0.278175	2.2E-06	0.286803
5415	487782.39	3856757.07	3.74389	4.42865	5.28944	2.88215	7.04E-03	0.00039	0.11487	3.2E-06	0.12229	8.62E-03	0.000476	0.14147	1.8E-06	1.51E-01	0.007602	0.000366	0.269394	1.86E-06	0.277364
5416	487917.26	3856752.41	3.44804	4.58913	4.76497	2.88898	6.48E-03	0.0004	0.10348	3.2E-06	0.11036	7.94E-03	0.000493	0.127442	1.81E-06	1.36E-01	0.007001	0.00038	0.242683	1.87E-06	0.250065
5417	487919.57	3856953.35	3.60902	7.63268	4.90139	3.45537	6.78E-03	0.00067	0.10644	3.9E-06	0.11389	8.31E-03	0.000821	0.131091	2.16E-06	1.40E-01	0.007328	0.000631	0.249631	2.23E-06	0.257592
5418	487932.76	3857000.32	3.54484	8.25697	4.93472	3.52427	6.66E-03	0.00072	0.10716	3.9E-06	0.11455	8.16E-03	0.000888	0.131982	2.2E-06	1.41E-01	0.007197	0.000683	0.251328	2.28E-06	0.259211
5419	487960.5	3857044.75	3.4382	8.59044	4.87487	3.5979	6.46E-03	0.00075	0.10586	4E-06	0.11308	7.92E-03	0.000923	0.130382	2.25E-06	1.39E-01	0.006981	0.00071	0.24828	2.32E-06	0.255974
5420	488016.54	3857089.54	3.3229	9.27325	4.68944	3.67814	6.24E-03	0.00081	0.10184	4.1E-06	0.1089	7.65E-03	0.000997	0.125422	2.3E-06	1.34E-01	0.006747	0.000767	0.238836	2.38E-06	0.246352
5421	488114.39	3857165.47	3.11484	9.82988	4.21167	3.884	5.85E-03	0.00086	0.09146	4.3E-06	0.09818	7.17E-03	0.001057	0.112644	2.43E-06	1.21E-01	0.006324	0.000813	0.214503	2.51E-06	0.221642
5422	488171.49	3857234.24	3.02519	9.49786	4.02691	4.03455	5.68E-03	0.00083	0.08745	4.5E-06	0.09397	6.97E-03	0.001021	0.107702	2.52E-06	1.16E-01	0.006142	0.000785	0.205093	2.61E-06	0.212023
5423	488193.16	3857297.8	2.98383	10.23676	3.82682	4.36555	5.61E-03	0.0009	0.0831	4.9E-06	0.08961	6.87E-03	0.0011	0.102351	2.73E-06	1.10E-01	0.006058	0.000847	0.194902	2.82E-06	0.20181
5424	488189.27	3857649.94	3.41837	7.4018	3.70752	6.51123	6.42E-03	0.00065	0.08051	7.3E-06	0.08759	7.87E-03	0.000796	0.09916	4.07E-06	1.08E-01	0.006941	0.000612	0.188826	4.21E-06	0.196383
5425	488127.43	3857732.32	3.76739	7.18109	3.83357	7.42624	7.08E-03	0.00063	0.08325	8.3E-06	0.09097	8.68E-03	0.000772	0.102531	4.64E-06	1.12E-01	0.007649	0.000594	0.195246	4.8E-06	0.203494

5426	488149.93	3857752.94	3.67455	7.14379	3.6386	7.40395	6.91E-03	0.00063	0.07902	8.3E-06	0.08656	8.46E-03	0.000768	0.097317	4.63E-06	1.07E-01	0.007461	0.000591	0.185316	4.78E-06	0.193372
5427	488144.76	3857758.71	3.65471	7.1963	3.63442	7.48689	6.87E-03	0.00063	0.07893	8.4E-06	0.08643	8.42E-03	0.000774	0.097205	4.68E-06	1.06E-01	0.00742	0.000595	0.185103	4.84E-06	0.193123
5428	488335.58	3857932.55	2.84876	5.19627	2.46422	8.36083	5.35E-03	0.00046	0.05351	9.3E-06	0.05933	6.56E-03	0.000559	0.065907	5.23E-06	7.30E-02	0.005784	0.00043	0.125504	5.4E-06	0.131723
5429	488372.29	3857943.79	2.7461	5.09832	2.4695	7.92267	5.16E-03	0.00045	0.05363	8.9E-06	0.05924	6.32E-03	0.000548	0.066048	4.96E-06	7.29E-02	0.005576	0.000422	0.125773	5.12E-06	0.131775
5430	488828.64	3857936.4	2.13976	3.30145	2.19547	4.53334	4.02E-03	0.00029	0.04768	5.1E-06	0.05199	4.93E-03	0.000355	0.058719	2.84E-06	6.40E-02	0.004345	0.000273	0.111817	2.93E-06	0.116437
5431	488829.08	3857959.58	2.11672	3.3213	2.12263	4.51676	3.98E-03	0.00029	0.0461	5E-06	0.05037	4.87E-03	0.000357	0.056771	2.82E-06	6.20E-02	0.004298	0.000275	0.108107	2.92E-06	0.112682
5432	488351.61	3857964.55	2.78384	4.79764	2.37775	8.30815	5.23E-03	0.00042	0.05164	9.3E-06	0.0573	6.41E-03	0.000516	0.063595	5.2E-06	7.05E-02	0.005652	0.000397	0.1211	5.37E-06	0.127155
5433	488316.87	3857947.65	2.87404	4.97427	2.45855	8.69538	5.40E-03	0.00044	0.05339	9.7E-06	0.05924	6.62E-03	0.000535	0.065756	5.44E-06	7.29E-02	0.005835	0.000411	0.125215	5.62E-06	0.131468
5434	488129.1	3857775.77	3.7115	7.22391	3.63597	7.80148	6.97E-03	0.00063	0.07896	8.7E-06	0.08658	8.55E-03	0.000777	0.097246	4.88E-06	1.07E-01	0.007536	0.000597	0.185182	5.04E-06	0.19332
5435	488062.53	3857846.13	3.88348	6.51102	3.58635	9.77922	7.30E-03	0.00057	0.07788	1.1E-05	0.08576	8.94E-03	0.0007	0.095919	6.12E-06	1.06E-01	0.007885	0.000538	0.182655	6.32E-06	0.191085
5436	488330.41	3858091.34	2.80701	4.12356	2.34512	7.45874	5.27E-03	0.00036	0.05093	8.3E-06	0.05657	6.46E-03	0.000443	0.062722	4.67E-06	6.96E-02	0.005699	0.000341	0.119438	4.82E-06	0.125483
5437	488470.87	3858174.45	2.58871	3.56315	2.132	5.92659	4.86E-03	0.00031	0.0463	6.6E-06	0.05148	5.96E-03	0.000383	0.057022	3.71E-06	6.34E-02	0.005256	0.000295	0.108584	3.83E-06	0.114139
5438	488568.9	3858262.31	2.53493	3.06042	1.86161	4.97304	4.76E-03	0.00027	0.04043	5.6E-06	0.04546	5.84E-03	0.000329	0.04979	3.11E-06	5.60E-02	0.005147	0.000253	0.094813	3.21E-06	0.100216
5439	488964.27	3858025.71	1.96969	3.03172	1.95289	3.94934	3.70E-03	0.00027	0.04241	4.4E-06	0.04638	4.54E-03	0.000326	0.052231	2.47E-06	5.71E-02	0.003999	0.000251	0.099462	2.55E-06	0.103714
5440	489147.25	3857956.64	1.86135	3.01334	1.92684	3.61853	3.50E-03	0.00026	0.04184	4E-06	0.04561	4.29E-03	0.000324	0.051535	2.26E-06	5.61E-02	0.003779	0.000249	0.098135	2.34E-06	0.102166
5441	489343.52	3857932.45	1.72352	2.94083	1.84846	3.16484	3.24E-03	0.00026	0.04014	3.5E-06	0.04364	3.97E-03	0.000316	0.049438	1.98E-06	5.37E-02	0.003499	0.000243	0.094143	2.04E-06	0.097888
5442	489866.19	3857923.19	1.38682	2.86618	1.4298	2.37391	2.61E-03	0.00025	0.03105	2.7E-06	0.03391	3.19E-03	0.000308	0.038241	1.48E-06	4.17E-02	0.002816	0.000237	0.072821	1.53E-06	0.075875
5443	489955.65	3857902.27	1.36765	2.81311	1.39774	2.28121	2.57E-03	0.00025	0.03035	2.5E-06	0.03317	3.15E-03	0.000302	0.037384	1.43E-06	4.08E-02	0.002777	0.000233	0.071188	1.47E-06	0.074199
5444	490079.44	3857847.9	1.34482	2.8101	1.38895	2.2369	2.53E-03	0.00025	0.03016	2.5E-06	0.03294	3.10E-03	0.000302	0.037148	1.4E-06	4.05E-02	0.00273	0.000232	0.07074	1.44E-06	0.073704
5445	490108.49	3857934.13	1.31534	2.59802	1.32788	2.10355	2.47E-03	0.00023	0.02884	2.4E-06	0.03154	3.03E-03	0.000279	0.035515	1.32E-06	3.88E-02	0.002671	0.000215	0.06763	1.36E-06	0.070517
5446	489884.48	3858014.17	1.41195	2.37913	1.44297	2.29068	2.65E-03	0.00021	0.03134	2.6E-06	0.0342	3.25E-03	0.000256	0.038593	1.43E-06	4.21E-02	0.002867	0.000197	0.073491	1.48E-06	0.076556
5447	489326.56	3858025.86	1.70926	2.69687	1.83726	3.12426	3.21E-03	0.00024	0.0399	3.5E-06	0.04335	3.94E-03	0.00029	0.049139	1.95E-06	5.34E-02	0.00347	0.000223	0.093573	2.02E-06	0.097268
5448	489130.38	3858056.71	1.84562	2.68217	1.92284	3.42743	3.47E-03	0.00024	0.04176	3.8E-06	0.04546	4.25E-03	0.000288	0.051428	2.14E-06	5.60E-02	0.003747	0.000222	0.097931	2.21E-06	0.101903
5449	488936.49	3858143.93	1.91885	3.43028	1.89718	3.83563	3.61E-03	0.0003	0.0412	4.3E-06	0.04511	4.42E-03	0.000369	0.050741	2.4E-06	5.55E-02	0.003896	0.000284	0.096624	2.48E-06	0.100807
5450	488638.08	3858327.45	2.49108	2.99322	1.72257	4.45632	4.68E-03	0.00026	0.03741	5E-06	0.04236	5.74E-03	0.000322	0.046071	2.79E-06	5.21E-02	0.005058	0.000248	0.087731	2.88E-06	0.09304
5451	488663.79	3858349.57	2.46811	2.9398	1.69028	4.34237	4.64E-03	0.00026	0.03671	4.9E-06	0.04161	5.68E-03	0.000316	0.045208	2.72E-06	5.12E-02	0.005011	0.000243	0.086087	2.81E-06	0.091344
5452	488694.56	3858349.5	2.37607	2.8142	1.72048	4.14599	4.47E-03	0.00025	0.03736	4.6E-06	0.04208	5.47E-03	0.000303	0.046015	2.59E-06	5.18E-02	0.004824	0.000233	0.087625	2.68E-06	0.092685
5453	488694.35	3858336.75	2.36407	2.75299	1.74375	4.21056	4.44E-03	0.00024	0.03787	4.7E-06	0.04256	5.44E-03	0.000296	0.046638	2.63E-06	5.24E-02	0.0048	0.000228	0.08881	2.72E-06	0.093841
5454	488712.81	3858336.38	2.33378	2.76174	1.73475	4.16934	4.39E-03	0.00024	0.03767	4.7E-06	0.0423	5.37E-03	0.000297	0.046397	2.61E-06	5.21E-02	0.004738	0.000228	0.088352	2.69E-06	0.093321
5455	488713.23	3858367.46	2.36261	2.80328	1.68673	4.0582	4.44E-03	0.00025	0.03663	4.5E-06	0.04132	5.44E-03	0.000301	0.045113	2.54E-06	5.09E-02	0.004797	0.000232	0.085906	2.62E-06	0.090938
5456	488704.63	3858384.05	2.42068	2.82612	1.63962	4.16374	4.55E-03	0.00025	0.03561	4.7E-06	0.04041	5.57E-03	0.000304	0.043853	2.6E-06	4.97E-02	0.004915	0.000234	0.083507	2.69E-06	0.088658
5457	488604.15	3858488.29	3.06073	2.77621	1.64456	4.29669	5.75E-03	0.00024	0.03571	4.8E-06	0.04171	7.05E-03	0.000298	0.043985	2.69E-06	5.13E-02	0.006214	0.00023	0.083758	2.78E-06	0.090205
5458	488605.66	3858550.47	3.53929	2.65394	1.70015	4.03448	6.65E-03	0.00023	0.03692	4.5E-06	0.04381	8.15E-03	0.000285	0.045472	2.52E-06	5.39E-02	0.007186	0.000219	0.08659	2.61E-06	0.093998
5459	488692.68	3858548.71	2.95676	2.58901	1.58289	3.87755	5.56E-03	0.00023	0.03437	4.3E-06	0.04016	6.81E-03	0.000278	0.042335	2.43E-06	4.94E-02	0.006003	0.000214	0.080617	2.5E-06	0.086837
5460	488759.93	3858461.81	2.4196	2.53657	1.5521	3.91551	4.55E-03	0.00022	0.03371	4.4E-06	0.03848	5.57E-03	0.000273	0.041512	2.45E-06	4.74E-02	0.004913	0.00021	0.079049	2.53E-06	0.084174
5461	488816.57	3858541.79	2.45107	2.38262	1.46109	3.40675	4.61E-03	0.00021	0.03173	3.8E-06	0.03655	5.64E-03	0.000256	0.039078	2.13E-06	4.50E-02	0.004977	0.000197	0.074414	2.2E-06	0.07959
5462	488944.63	3858656.77	2.41208	2.16209	1.38446	3.08911	4.53E-03	0.00019	0.03006	3.5E-06	0.03479	5.55E-03	0.000232	0.037028	1.93E-06	4.28E-02	0.004897	0.000179	0.070511	2E-06	0.07559
5463	489134.91	3858830.7	2.15881	1.91259	1.28326	2.56366	4.06E-03	0.00017	0.02787	2.9E-06	0.03209	4.97E-03	0.000206	0.034322	1.6E-06	3.95E-02	0.004383	0.000158	0.065357	1.66E-06	0.0699
5464	489193.99	3858886.05	1.90436	1.82811	1.26442	2.43522	3.58E-03	0.00016	0.02746	2.7E-06	0.0312	4.39E-03	0.000197	0.033818	1.52E-06	3.84E-02	0.003867	0.000151	0.064398	1.57E-06	0.068417
5465	489295.2	3858954.34	1.57614	1.73334	1.18227	2.28314	2.96E-03	0.00015	0.02567	2.6E-06	0.02879	3.63E-03	0.000186	0.031621	1.43E-06	3.54E-02	0.0032	0.000143	0.060214	1.47E-06	0.063559
5466	489295.64	3858992.74	1.58731	1.7602	1.2303	2.31158	2.98E-03	0.00015	0.02672	2.6E-06	0.02986	3.66E-03	0.000189	0.032905	1.45E-06	3.68E-02	0.003223	0.000146	0.06266	1.49E-06	0.06603
5467	489183.74	3858911.72	1.83497	1.89005	1.30173	2.52814	3.45E-03	0.00017	0.02827	2.8E-06	0.03189	4.23E-03	0.000203	0.034816	1.58E-06	3.92E-02	0.003726	0.000156	0.066298	1.63E-06	0.070181
5468	488873.37	3858625.59	2.51743	2.20896	1.47263	3.17266	4.73E-03	0.00019	0.03198	3.5E-06	0.03691	5.80E-03	0.000237	0.039386	1.98E-06	4.54E-02	0.005111	0.000183	0.075002	2.05E-06	0.080298
5469	488842.84	3858658.69	2.81803	2.32959	1.50109	3.35812	5.30E-03	0.0002	0.0326	3.8E-06	0.0381	6.49E-03	0.00025	0.040148	2.1E-06	4.69E-02	0.005722	0.000193	0.076451	2.17E-06	0.082368
5470	488856.39	3858670.93	2.81787	2.31806	1.48879	3.32907	5.30E-03	0.0002	0.03233	3.7E-06	0.03783	6.49E-03	0.000249	0.039819	2.08E-06	4.66E-02	0.005721	0.000192	0.075825	2.15E-06	0.08174
5471	488805.7	3858724.5	3.62188	2.2999	1.52855	3.27058	6.81E-03	0.0002	0.03319	3.7E-06	0.04021	8.34E-03	0.000247	0.040882	2.05E-06	4.95E-02	0.007354	0.00019	0.07785	2.11E-06	0.085396
5472	488805.87	3858804.16	5.49377	2.13155	1.49895	3.13038	1.03E-02	0.00019	0.03255	3.5E-06	0.04307	1.27E-02	0.000229	0.04009	1.96E-06	5.30E-02	0.011154	0.000176	0.076342	2.02E-06	0.087675
5473	488995.78	3858936.96	2.668	1.95116	1.38402	2.73325	5.01E-03	0.00017	0.03006	3.1E-06	0.03524	6.14E-03	0.00021	0.037017	1.71E-06	4.34E-02	0.005417	0.000161	0.070489	1.77E-06	0.076069
5474	489130.76	3859017.38	1.9225	1.86922	1.31261	2.52229	3.61E-03	0.00016	0.0285	2.8E-06	0.03228	4.43E-03	0.000201	0.035107	1.58E-06	3.97E-02	0.003903	0.000155	0.066852	1.63E-06	0.070912
5475	489130.92	3859052.24	1.92266	1.82129	1.29934	2.46587	3.61E-03	0.00016	0.02822	2.8E-06	0.03199	4.43E-03	0.000196	0.034752	1.54E-06	3.94E-02	0.003904	0.000151	0.066176	1.59E-06	0.070232
5476	489200.33	3859090.6	1.75756	1.78348	1.27282	2.37105	3.30E-03	0.00016	0.02764	2.6E-06	0.0311	4.05E-03	0.000192	0.034042	1.48E-06	3.83E-02	0.003569	0.000147	0.064825	1.53E-06	0.068543
5477	489296.07	3859143.7	1.52567	1.70811	1.19775	2.23852	2.87E-03	0.00015	0.02601	2.5E-06	0.02903	3.51E-03	0.000184	0.032035	1.4E-06	3.57E-02	0.003098	0.000141	0.061002	1.45E-06	0.064242
5478	489296.43	3858954.74	1.5739	1.73152	1.18033	2.28006	2.96E-03	0.00015	0.02563	2.5E-06	0.02874	3.62E-03	0.000186	0.031569	1.43E-06	3.54E-02	0.003196	0.000143	0.060115	1.47E-06	0.063455
5479	489410.33	3859033.19	1.44573	1.61194	1.11357	2.08465	2.72E-03	0.00014	0.02418	2.3E-06	0.02704	3.33E-03	0.000173	0.029783	1.3E-06	3.33E-02	0.002935	0.000133	0.056715	1.35E-06	0.059785
5480	489371.37	3859089.8	1.49462	1.70588	1.1605	2.17745	2.81E-03	0.00015	0.0252	2.4E-06	0.02816	3.44E-03	0.000183	0.031038	1.36E-06	3.47E-02	0.003035	0.000141	0.059105	1.41E-06	0.062282
5481	489390.52	3859102.82	1.47173	1.68728	1.1553	2.14738	2.77E-03	0.00015	0.02509	2.4E-06	0.028	3.39E-03	0.000181	0.030899	1.34E-06	3.45E-02	0.002988	0.00014	0.05884	1.39E-06	0.061969
5482	489382.3	3859114.53	1.47808	1.68905	1.14083	2.15636	2.78E-03	0.00015	0.02477	2.4E-06	0.0277	3.40E-03	0.000182	0.030512	1.35E-06	3.41E-02	0.003001	0.00014	0.058103	1.39E-06	0.061245
5483	489363.04	3859102.45	1.50337	1.7074	1.14944	2.18597	2.83E-03	0.00015	0.02496	2.4E-06	0.02794	3.46E-03	0.000184	0.030743	1.37E-06	3.44E-02	0.003052	0.000141	0.058542	1.41E-06	0.061737
5484	489337.52	3859140.71	1.48219	1.69622	1.13516	2.2991	2.79E-03	0.00015	0.02465	2.6E-06	0.02759	3.41E-03	0.000182	0.030361	1.44E-06	3.40E-02	0.003009	0.00014	0.057814	1.49E-06	0.060966
5485	489375.14	3859164.55	1.42089	1.6642	1.11605	2.24308	2.67E-03	0.00015	0.02424	2.5E-06	0.02705	3.27E-03	0.000179	0.02985	1.4E-06	3.33E-02	0.002885	0.000138	0.056841	1.45E-06	0.059865
5486	489409.3	3859114.5	1.44999	1.66974	1.15232	2.1188	2.72E-03	0.00015	0.02502	2.4E-06	0.0279	3.34E-03	0.00018	0.03082	1.33E-06	3.43E-02	0.002944	0.000138	0.058688	1.37E-06	0.061772

5487	489434.87	3859131.81	1.42155	1.64692	1.14621	2.08919	2.67E-03	0.00014	0.02489	2.3E-06	0.02771	3.27E-03	0.000177	0.030656	1.31E-06	3.41E-02	0.002886	0.000136	0.058377	1.35E-06	0.061401
5488	489471.87	3859075.75	1.37042	1.5531	1.08565	1.98977	2.58E-03	0.00014	0.02358	2.2E-06	0.02629	3.16E-03	0.000167	0.029036	1.24E-06	3.24E-02	0.002782	0.000128	0.055293	1.29E-06	0.058205
5489	489602.62	3859164.69	1.26598	1.43344	1.01338	1.80731	2.38E-03	0.00013	0.02201	2E-06	0.02451	2.92E-03	0.000154	0.027104	1.13E-06	3.02E-02	0.00257	0.000119	0.051612	1.17E-06	0.054302
5490	489558.29	3859232.45	1.28663	1.5353	1.08447	1.93142	2.42E-03	0.00013	0.02355	2.2E-06	0.02611	2.96E-03	0.000165	0.029005	1.21E-06	3.21E-02	0.002612	0.000127	0.055233	1.25E-06	0.057973
5491	489620.11	3859273.56	1.23812	1.48342	1.06916	1.83459	2.33E-03	0.00013	0.02322	2E-06	0.02568	2.85E-03	0.000159	0.028595	1.15E-06	3.16E-02	0.002514	0.000123	0.054453	1.19E-06	0.057091
5492	489666.06	3859206.42	1.22301	1.3767	0.98052	1.72554	2.30E-03	0.00012	0.02129	1.9E-06	0.02371	2.82E-03	0.000148	0.026225	1.08E-06	2.92E-02	0.002483	0.000114	0.049938	1.11E-06	0.052537
5493	489787.9	3859285.65	1.12756	1.27714	0.92085	1.58894	2.12E-03	0.00011	0.02	1.8E-06	0.02223	2.60E-03	0.000137	0.024629	9.94E-07	2.74E-02	0.002289	0.000106	0.046899	1.03E-06	0.049295
5494	489752.17	3859343.13	1.13591	1.37412	0.99574	1.70585	2.13E-03	0.00012	0.02162	1.9E-06	0.02388	2.62E-03	0.000148	0.026632	1.07E-06	2.94E-02	0.002306	0.000114	0.050714	1.1E-06	0.053135
5495	489814.94	3859385.33	1.08937	1.32679	0.97442	1.67702	2.05E-03	0.00012	0.02116	1.9E-06	0.02333	2.51E-03	0.000143	0.026062	1.05E-06	2.87E-02	0.002212	0.00011	0.049628	1.08E-06	0.05195
5496	489853.42	3859330.74	1.08667	1.22957	0.89212	1.54047	2.04E-03	0.00011	0.01937	1.7E-06	0.02152	2.50E-03	0.000132	0.02386	9.63E-07	2.65E-02	0.002206	0.000102	0.045436	9.95E-07	0.047745
5497	489969.5	3859401.91	1.02607	1.1898	0.83685	1.47116	1.93E-03	0.0001	0.01817	1.6E-06	0.02021	2.36E-03	0.000128	0.022382	9.2E-07	2.49E-02	0.002083	9.84E-05	0.042621	9.5E-07	0.044804
5498	490166.91	3859486.96	0.90902	1.12208	0.79748	1.41659	1.71E-03	9.8E-05	0.01732	1.6E-06	0.01913	2.09E-03	0.000121	0.021329	8.86E-07	2.35E-02	0.001846	9.28E-05	0.040616	9.15E-07	0.042555
5499	490128.86	3859571.46	0.93852	1.09397	0.81326	1.36119	1.76E-03	9.6E-05	0.01766	1.5E-06	0.01952	2.16E-03	0.000118	0.021751	8.51E-07	2.40E-02	0.001906	9.05E-05	0.04142	8.79E-07	0.043417
5500	490186.65	3859593.65	0.91224	1.04227	0.78241	1.28812	1.71E-03	9.1E-05	0.01699	1.4E-06	0.0188	2.10E-03	0.000112	0.020926	8.06E-07	2.31E-02	0.001852	8.62E-05	0.039849	8.32E-07	0.041788
5501	490223.74	3859517.48	0.88363	1.10351	0.78981	1.38907	1.66E-03	9.7E-05	0.01715	1.6E-06	0.01891	2.03E-03	0.000119	0.021124	8.69E-07	2.33E-02	0.001794	9.13E-05	0.040225	8.97E-07	0.042112
5502	490846.34	3859817.22	0.68892	0.93541	0.72473	1.11452	1.29E-03	8.2E-05	0.01574	1.2E-06	0.01712	1.59E-03	0.000101	0.019383	6.97E-07	2.11E-02	0.001399	7.74E-05	0.036911	7.2E-07	0.038388
5503	490925.65	3859844.59	0.66876	0.91796	0.72745	1.12581	1.26E-03	8.1E-05	0.0158	1.3E-06	0.01714	1.54E-03	9.87E-05	0.019456	7.04E-07	2.11E-02	0.001358	7.59E-05	0.037049	7.27E-07	0.038484
5504	491159.29	3859896.28	0.6278	0.85513	0.69093	1.01116	1.18E-03	7.5E-05	0.015	1.1E-06	0.01626	1.45E-03	9.19E-05	0.018479	6.32E-07	2.00E-02	0.001275	7.07E-05	0.035189	6.53E-07	0.036536
5505	491370.69	3859960.89	0.58159	0.76702	0.63174	0.9111	1.09E-03	6.7E-05	0.01372	1E-06	0.01488	1.34E-03	8.25E-05	0.016896	5.7E-07	1.83E-02	0.001181	6.34E-05	0.032175	5.89E-07	0.03342
5506	491330.28	3860063.17	0.57755	0.77043	0.626	0.95399	1.09E-03	6.8E-05	0.01359	1.1E-06	0.01475	1.33E-03	8.28E-05	0.016743	5.97E-07	1.82E-02	0.001173	6.37E-05	0.031883	6.16E-07	0.03312
5507	491636.45	3860180.75	0.52917	0.70873	0.59407	0.83675	9.94E-04	6.2E-05	0.0129	9.3E-07	0.01396	1.22E-03	7.62E-05	0.015889	5.23E-07	1.72E-02	0.001074	5.86E-05	0.030256	5.41E-07	0.03139
5508	491617.94	3860203.93	0.53377	0.70421	0.59026	0.85078	1.00E-03	6.2E-05	0.01282	9.5E-07	0.01388	1.23E-03	7.57E-05	0.015787	5.32E-07	1.71E-02	0.001084	5.82E-05	0.030062	5.5E-07	0.031205
5509	491805.68	3860271.59	0.50313	0.67	0.5678	0.78717	9.45E-04	5.9E-05	0.01233	8.8E-07	0.01334	1.16E-03	7.2E-05	0.015186	4.92E-07	1.64E-02	0.001022	5.54E-05	0.028918	5.08E-07	0.029996
5510	491654.23	3860414.02	0.52748	0.6871	0.51951	0.85276	9.91E-04	6E-05	0.01128	9.5E-07	0.01233	1.21E-03	7.39E-05	0.013895	5.33E-07	1.52E-02	0.001071	5.68E-05	0.026459	5.51E-07	0.027587
5511	491592.62	3860510.76	0.52168	0.6674	0.49847	0.83738	9.80E-04	5.9E-05	0.01082	9.4E-07	0.01186	1.20E-03	7.17E-05	0.013332	5.24E-07	1.46E-02	0.001059	5.52E-05	0.025387	5.41E-07	0.026502
5512	491475.41	3860368.93	0.54334	0.70093	0.50291	0.89833	1.02E-03	6.1E-05	0.01092	1E-06	0.012	1.25E-03	7.54E-05	0.013451	5.62E-07	1.48E-02	0.001103	5.8E-05	0.025613	5.8E-07	0.026775
5513	491445.61	3860337.28	0.5483	0.70861	0.51397	0.90751	1.03E-03	6.2E-05	0.01116	1E-06	0.01225	1.26E-03	7.62E-05	0.013746	5.68E-07	1.51E-02	0.001113	5.86E-05	0.026177	5.86E-07	0.027349
5514	491399.05	3860300.37	0.55655	0.72075	0.52446	0.92202	1.05E-03	6.3E-05	0.01139	1E-06	0.0125	1.28E-03	7.75E-05	0.014027	5.77E-07	1.54E-02	0.00113	5.96E-05	0.026711	5.96E-07	0.027901
5515	491228.84	3860235.98	0.57531	0.74336	0.5557	0.95821	1.08E-03	6.5E-05	0.01207	1.1E-06	0.01321	1.32E-03	7.99E-05	0.014863	5.99E-07	1.63E-02	0.001168	6.15E-05	0.028302	6.19E-07	0.029532
5516	491228.47	3860174.57	0.58518	0.76278	0.556	0.97483	1.10E-03	6.7E-05	0.01207	1.1E-06	0.01324	1.35E-03	8.2E-05	0.014871	6.1E-07	1.63E-02	0.001188	6.31E-05	0.028317	6.3E-07	0.029569
5517	491145.77	3860112.55	0.60308	0.78909	0.57596	1.00427	1.13E-03	6.9E-05	0.01251	1.1E-06	0.01371	1.39E-03	8.48E-05	0.015404	6.28E-07	1.69E-02	0.001224	6.53E-05	0.029334	6.49E-07	0.030624
5518	490844.41	3859966.22	0.66981	0.86885	0.64244	1.09639	1.26E-03	7.6E-05	0.01395	1.2E-06	0.01529	1.54E-03	9.34E-05	0.017182	6.86E-07	1.88E-02	0.00136	7.19E-05	0.03272	7.08E-07	0.034152
5519	490845.55	3859928.15	0.68865	0.89522	0.64606	1.11118	1.29E-03	7.9E-05	0.01403	1.2E-06	0.0154	1.59E-03	9.62E-05	0.017279	6.95E-07	1.90E-02	0.001398	7.4E-05	0.032904	7.18E-07	0.034377
5520	490046.91	3859625.6	0.89709	1.1742	0.8785	1.48666	1.69E-03	0.0001	0.01908	1.7E-06	0.02087	2.07E-03	0.000126	0.023496	9.3E-07	2.57E-02	0.001821	9.71E-05	0.044743	9.6E-07	0.046662
5521	489970.48	3859589.4	0.91802	1.21775	0.89466	1.61056	1.73E-03	0.00011	0.01943	1.8E-06	0.02126	2.11E-03	0.000131	0.023928	1.01E-06	2.62E-02	0.001864	0.000101	0.045566	1.04E-06	0.047531
5522	489865.89	3859529.06	0.96778	1.30405	0.92839	1.72613	1.82E-03	0.00011	0.02016	1.9E-06	0.0221	2.23E-03	0.00014	0.02483	1.08E-06	2.72E-02	0.001965	0.000108	0.047283	1.12E-06	0.049357
5523	489826.89	3859531.74	1.02913	1.35939	0.92943	1.76774	1.93E-03	0.00012	0.02018	2E-06	0.02224	2.37E-03	0.000146	0.024858	1.11E-06	2.74E-02	0.00209	0.000112	0.047336	1.14E-06	0.049539
5524	489410.47	3859303.06	1.35833	1.54345	1.15981	2.0443	2.55E-03	0.00014	0.02519	2.3E-06	0.02788	3.13E-03	0.000166	0.03102	1.28E-06	3.43E-02	0.002758	0.000128	0.05907	1.32E-06	0.061957
5525	489407.15	3859286.09	1.35396	1.55876	1.14251	2.02888	2.54E-03	0.00014	0.02481	2.3E-06	0.02749	3.12E-03	0.000168	0.030557	1.27E-06	3.38E-02	0.002749	0.000129	0.058189	1.31E-06	0.061068
5526	488806.07	3858963.62	2.59565	1.87874	1.2491	2.7294	4.88E-03	0.00016	0.02713	3E-06	0.03217	5.98E-03	0.000202	0.033408	1.71E-06	3.96E-02	0.00527	0.000155	0.063617	1.76E-06	0.069045
5527	488817.64	3859546.3	1.0273	1.29638	0.95566	1.6735	1.93E-03	0.00011	0.02075	1.9E-06	0.0228	2.37E-03	0.000139	0.02556	1.05E-06	2.81E-02	0.002086	0.000107	0.048672	1.08E-06	0.050866
5528	489187.25	3859549.52	1.251	1.32414	0.99596	1.83236	2.35E-03	0.00012	0.02163	2E-06	0.0241	2.88E-03	0.000142	0.026638	1.15E-06	2.97E-02	0.00254	0.00011	0.050725	1.18E-06	0.053376
5529	489187.66	3859523.74	1.28322	1.34894	1.05058	1.82968	2.41E-03	0.00012	0.02281	2E-06	0.02535	2.96E-03	0.000145	0.028098	1.14E-06	3.12E-02	0.002605	0.000112	0.053507	1.18E-06	0.056225
5530	489232.59	3859522.85	1.28014	1.35319	1.04583	1.84909	2.41E-03	0.00012	0.02271	2.1E-06	0.02524	2.95E-03	0.000145	0.027971	1.16E-06	3.11E-02	0.002599	0.000112	0.053265	1.19E-06	0.055977
5531	489224.98	3859759.91	1.04115	1.22413	0.9009	1.58871	1.96E-03	0.00011	0.01956	1.8E-06	0.02163	2.40E-03	0.000132	0.024095	9.94E-07	2.66E-02	0.002114	0.000101	0.045883	1.03E-06	0.0481
5532	488401.39	3859763.34	0.84918	1.07656	0.78667	1.31595	1.60E-03	9.4E-05	0.01708	1.5E-06	0.01878	1.96E-03	0.000116	0.02104	8.23E-07	2.31E-02	0.001724	8.9E-05	0.040066	8.5E-07	0.04188
5533	488405.51	3859966.16	0.75947	1.02678	0.76169	1.18725	1.43E-03	9E-05	0.01654	1.3E-06	0.01806	1.75E-03	0.00011	0.020372	7.43E-07	2.22E-02	0.001542	8.49E-05	0.038793	7.67E-07	0.040421
5534	489202.85	3859956.57	0.84501	1.10149	0.79947	1.3737	1.59E-03	9.7E-05	0.01736	1.5E-06	0.01905	1.95E-03	0.000118	0.021382	8.59E-07	2.34E-02	0.001716	9.11E-05	0.040717	8.87E-07	0.042525
5535	489191.9	3860676.74	0.57003	0.79811	0.62175	0.9875	1.07E-03	7E-05	0.0135	1.1E-06	0.01464	1.31E-03	8.58E-05	0.016629	6.18E-07	1.80E-02	0.001157	6.6E-05	0.031666	6.38E-07	0.03289
5536	488392.82	3860687.88	0.51222	0.73839	0.51082	0.86822	9.63E-04	6.5E-05	0.01109	9.7E-07	0.01212	1.18E-03	7.94E-05	0.013662	5.43E-07	1.49E-02	0.00104	6.11E-05	0.026016	5.61E-07	0.027118
5537	488392.82	3860760.27	0.50337	0.73884	0.49119	0.83686	9.46E-04	6.5E-05	0.01067	9.4E-07	0.01168	1.16E-03	7.94E-05	0.013137	5.23E-07	1.44E-02	0.001022	6.11E-05	0.025017	5.41E-07	0.0261
5538	487549.05	3860777.45	0.46467	0.70686	0.49371	0.63992	8.73E-04	6.2E-05	0.01072	7.1E-07	0.01166	1.07E-03	7.6E-05	0.013205	4E-07	1.44E-02	0.000943	5.85E-05	0.025145	4.13E-07	0.026147
5539	487554.62	3859571.83	0.76308	1.12257	0.7875	1.15108	1.43E-03	9.8E-05	0.0171	1.3E-06	0.01864	1.76E-03	0.000121	0.021062	7.2E-07	2.29E-02	0.001549	9.28E-05	0.040108	7.44E-07	0.041751
5540	485949.46	3859558.54	0.60308	1.4257	0.59131	0.92856	1.13E-03	0.00013	0.01284	1E-06	0.0141	1.39E-03	0.000153	0.015815	5.81E-07	1.74E-02	0.001224	0.000118	0.030116	6E-07	0.031459
5541	485947.55	3857943.61	1.64133	3.8629	1.69993	2.88825	3.08E-03	0.00034	0.03692	3.2E-06	0.04034	3.78E-03	0.000415	0.045466	1.81E-06	4.97E-02	0.003333	0.000319	0.086578	1.87E-06	0.090232
5542	484738.38	3857940.21	1.22856	1.63152	1.47124	1.99286	2.31E-03	0.00014	0.03195	2.2E-06	0.0344	2.83E-03	0.000175	0.039349	1.25E-06	4.24E-02	0.002494	0.000135	0.074931	1.29E-06	0.077562
5543	484737.06	3857535.68	1.52858	1.56427	1.92173	2.47754	2.87E-03	0.00014	0.04173	2.8E-06	0.04474	3.52E-03	0.000168	0.051398	1.55E-06	5.51E-02	0.003104	0.000129	0.097875	1.6E-06	0.101109
5544	483730.2	3857530.13	1.20907	1.41073	1.4666	1.76894	2.27E-03	0.00012	0.03185	2E-06	0.03425	2.78E-03	0.000152	0.039225	1.11E-06	4.22E-02	0.002455	0.000117	0.074695	1.14E-06	0.077267
5545	483727.27	3857130.01	1.40758	1.68224	1.68681	2.09437	2.65E-03	0.00015	0.03663	2.3E-06	0.03943	3.24E-03	0.000181	0.045115	1.31E-06	4.85E-02	0.002858	0.000139	0.08591	1.35E-06	0.088909
5546	483124.42	3857123.45	1.21162	1.56738	1.50157	1.64528	2.28E-03	0.00014	0.03261	1.8E-06	0.03502	2.79E-03	0.000168	0.040161	1.03E-06	4.31E-02	0.00246	0.00013	0.076476	1.06E-06	0.079067
5547	483111.13	3855921.03	1.73033	2.83783	1.97199	1.91604	3.25E-03	0.00025	0.04282	2.1E-06	0.04633	3.98E-03	0.000305	0.052742	1.2E-06	5.70E-02	0.003513	0.000235	0.100435	1.24E-06	0.104184

5548	482701.73	3855918.24	1.50249	2.25516	1.57826	1.59915		2.82E-03	0.0002	0.03427	1.8E-06	0.0373		3.46E-03	0.000242	0.042212	1E-06	4.59E-02		0.003051	0.000186	0.080382	1.03E-06	0.08362							
5549	482668.02	3853521.78	1.79519	1.801	1.16677	1.21784		3.37E-03	0.00016	0.02534	1.4E-06	0.02887		4.13E-03	0.000194	0.031206	7.62E-07	3.55E-02		0.003645	0.000149	0.059424	7.87E-07	0.063219							
5550	482579.91	3853219.19	1.26518	1.50899	1.22076	1.39387		2.38E-03	0.00013	0.02651	1.6E-06	0.02902		2.91E-03	0.000162	0.03265	8.72E-07	3.57E-02		0.002569	0.000125	0.062174	9E-07	0.064868							
5551	482434.06	3852961.94	1.12726	1.31858	1.13604	1.35234		2.12E-03	0.00012	0.02467	1.5E-06	0.02691		2.60E-03	0.000142	0.030384	8.46E-07	3.31E-02		0.002289	0.000109	0.057859	8.74E-07	0.060258							
5552	482332.11	3852832.85	0.94418	1.24322	1.09707	1.33675		1.77E-03	0.00011	0.02382	1.5E-06	0.02571		2.17E-03	0.000134	0.029342	8.36E-07	3.17E-02		0.001917	0.000103	0.055874	8.63E-07	0.057895							
5553	481334.99	3851818.96	0.65639	0.89448	0.76523	1.04613		1.23E-03	7.8E-05	0.01662	1.2E-06	0.01793		1.51E-03	9.62E-05	0.020467	6.54E-07	2.21E-02		0.001333	7.4E-05	0.038974	6.76E-07	0.040381							
5554	481127.62	3851646.36	0.62214	0.84643	0.73541	0.97176		1.17E-03	7.4E-05	0.01597	1.1E-06	0.01721		1.43E-03	9.1E-05	0.019669	6.08E-07	2.12E-02		0.001263	7E-05	0.037455	6.28E-07	0.038789							
5555	481025.04	3851591.73	0.63862	0.84387	0.72603	0.89695		1.20E-03	7.4E-05	0.01577	1E-06	0.01704		1.47E-03	9.07E-05	0.019418	5.61E-07	2.10E-02		0.001297	6.98E-05	0.036977	5.79E-07	0.038344							
5556	480513.6	3851335.76	0.57187	0.72205	0.5822	0.81392		1.07E-03	6.3E-05	0.01264	9.1E-07	0.01378		1.32E-03	7.76E-05	0.015571	5.09E-07	1.70E-02		0.001161	5.97E-05	0.029652	5.26E-07	0.030873							
5557	480523.56	3851317.66	0.57195	0.7377	0.57894	0.84342		1.07E-03	6.5E-05	0.01257	9.4E-07	0.01371		1.32E-03	7.93E-05	0.015484	5.28E-07	1.69E-02		0.001161	6.1E-05	0.029486	5.45E-07	0.030709							
5558	476921.56	3849569.11	0.29371	0.35171	0.31449	0.30055		5.52E-04	3.1E-05	0.00683	3.4E-07	0.00741		6.76E-04	3.78E-05	0.008411	1.88E-07	9.13E-03		0.000596	2.91E-05	0.016017	1.94E-07	0.016643							
5559	476521.19	3849373.96	0.31408	0.37026	0.32391	0.31967		5.90E-04	3.2E-05	0.00703	3.6E-07	0.00766		7.23E-04	3.98E-05	0.008663	2E-07	9.43E-03		0.000638	3.06E-05	0.016497	2.06E-07	0.017165							
5560	476391.45	3849333.38	0.30217	0.3676	0.3147	0.32908		5.68E-04	3.2E-05	0.00683	3.7E-07	0.00743		6.96E-04	3.95E-05	0.008417	2.06E-07	9.15E-03		0.000614	3.04E-05	0.016028	2.13E-07	0.016672							
5561	476219.41	3849304.29	0.32159	0.37617	0.34578	0.32112		6.04E-04	3.3E-05	0.00751	3.6E-07	0.00815		7.41E-04	4.04E-05	0.009248	2.01E-07	1.00E-02		0.000653	3.11E-05	0.017611	2.07E-07	0.018295							
5562	475679.11	3849218.47	0.29889	0.36403	0.32672	0.29842		5.62E-04	3.2E-05	0.0071	3.3E-07	0.00769		6.88E-04	3.91E-05	0.008738	1.87E-07	9.47E-03		0.000607	3.01E-05	0.01664	1.93E-07	0.017277							
5563	475677.71	3849233.88	0.30278	0.36987	0.32612	0.31376		5.69E-04	3.2E-05	0.00708	3.5E-07	0.00768		6.97E-04	3.98E-05	0.008722	1.96E-07	9.46E-03		0.000615	3.06E-05	0.016609	2.03E-07	0.017255							
5564	475492.74	3849204.66	0.29138	0.3438	0.34699	0.25337		5.48E-04	3E-05	0.00754	2.8E-07	0.00811		6.71E-04	3.7E-05	0.00928	1.58E-07	9.99E-03		0.000592	2.84E-05	0.017672	1.64E-07	0.018293							
5565	475497.64	3849158.75	0.30454	0.35721	0.35346	0.27392		5.72E-04	3.1E-05	0.00768	3.1E-07	0.00828		7.01E-04	3.84E-05	0.009454	1.71E-07	1.02E-02		0.000618	2.95E-05	0.018002	1.77E-07	0.01865							
5566	475391.35	3849141.94	0.30179	0.35032	0.34741	0.2961		5.67E-04	3.1E-05	0.00754	3.3E-07	0.00814		6.95E-04	3.77E-05	0.009292	1.85E-07	1.00E-02		0.000613	2.9E-05	0.017694	1.91E-07	0.018336							
5567	475277	3849095.47	0.29494	0.33158	0.33923	0.29376		5.54E-04	2.9E-05	0.00737	3.3E-07	0.00795		6.79E-04	3.56E-05	0.009073	1.84E-07	9.79E-03		0.000599	2.74E-05	0.017277	1.9E-07	0.017904							
5568	475183.93	3849025.66	0.29009	0.33047	0.33799	0.28895		5.45E-04	2.9E-05	0.00734	3.2E-07	0.00791		6.68E-04	3.55E-05	0.00904	1.81E-07	9.74E-03		0.000589	2.73E-05	0.017214	1.87E-07	0.017831							
5569	474453.23	3848378.77	0.25765	0.30213	0.29457	0.2367		4.84E-04	2.7E-05	0.0064	2.6E-07	0.00691		5.93E-04	3.25E-05	0.007878	1.48E-07	8.50E-03		0.000523	2.5E-05	0.015003	1.53E-07	0.015551							
5570	474569.63	3848399.34	0.27067	0.32	0.28622	0.24343		5.09E-04	2.8E-05	0.00622	2.7E-07	0.00675		6.23E-04	3.44E-05	0.007655	1.52E-07	8.31E-03		0.00055	2.65E-05	0.014577	1.57E-07	0.015154							
5571	474644.33	3848464.52	0.27082	0.31952	0.29761	0.24505		5.09E-04	2.8E-05	0.00646	2.7E-07	0.007		6.24E-04	3.43E-05	0.00796	1.53E-07	8.62E-03		0.00055	2.64E-05	0.015157	1.58E-07	0.015734							
5572	474719.04	3848529.7	0.27102	0.31913	0.30897	0.24565		5.09E-04	2.8E-05	0.00671	2.7E-07	0.00725		6.24E-04	3.43E-05	0.008264	1.54E-07	8.92E-03		0.00055	2.64E-05	0.015736	1.59E-07	0.016313							
5573	474793.74	3848594.88	0.27157	0.31924	0.31612	0.2441		5.10E-04	2.8E-05	0.00686	2.7E-07	0.0074		6.25E-04	3.43E-05	0.008455	1.53E-07	9.11E-03		0.000551	2.64E-05	0.0161	1.58E-07	0.016678							
5574	474868.45	3848660.07	0.27157	0.31891	0.3156	0.24064		5.10E-04	2.8E-05	0.00685	2.7E-07	0.00739		6.25E-04	3.43E-05	0.008441	1.51E-07	9.10E-03		0.000551	2.64E-05	0.016074	1.55E-07	0.016652							
5575	474943.15	3848725.25	0.27283	0.32582	0.31786	0.2386		5.13E-04	2.9E-05	0.0069	2.7E-07	0.00744		6.28E-04	3.5E-05	0.008501	1.49E-07	9.16E-03		0.000554	2.69E-05	0.016189	1.54E-07	0.01677							
5576	475017.86	3848790.43	0.2831	0.34024	0.32416	0.24103		5.32E-04	3E-05	0.00704	2.7E-07	0.0076		6.52E-04	3.66E-05	0.00867	1.51E-07	9.36E-03		0.000575	2.81E-05	0.01651	1.56E-07	0.017113							
5577	475092.56	3848855.61	0.29297	0.35171	0.32907	0.25885		5.51E-04	3.1E-05	0.00715	2.9E-07	0.00773		6.75E-04	3.78E-05	0.008801	1.62E-07	9.51E-03		0.000595	2.91E-05	0.01676	1.67E-07	0.017384							
5578	475232.58	3848959.38	0.29709	0.35387	0.33327	0.2772		5.58E-04	3.1E-05	0.00724	3.1E-07	0.00783		6.84E-04	3.8E-05	0.008914	1.73E-07	9.64E-03		0.000603	2.93E-05	0.016974	1.79E-07	0.017606							
5579	475368.47	3849029.98	0.29803	0.36189	0.33529	0.26335		5.60E-04	3.2E-05	0.00728	2.9E-07	0.00787		6.86E-04	3.89E-05	0.008968	1.65E-07	9.69E-03		0.000605	2.99E-05	0.017077	1.7E-07	0.017712							
5580	475609.57	3849096.09	0.30574	0.36274	0.32786	0.2667		5.75E-04	3.2E-05	0.00712	3E-07	0.00773		7.04E-04	3.9E-05	0.008769	1.67E-07	9.51E-03		0.000621	3E-05	0.016698	1.72E-07	0.017349							
5581	475680.68	3849116.62	0.31513	0.36951	0.3165	0.30171		5.92E-04	3.2E-05	0.00687	3.4E-07	0.0075		7.26E-04	3.97E-05	0.008465	1.89E-07	9.23E-03		0.00064	3.06E-05	0.01612	1.95E-07	0.01679							
5582	475843.76	3849151.52	0.30835	0.36725	0.37009	0.3338		5.79E-04	3.2E-05	0.00804	3.7E-07	0.00865		7.10E-04	3.95E-05	0.009898	2.09E-07	1.06E-02		0.000626	3.04E-05	0.018849	2.16E-07	0.019506							
5583	475935.73	3849165.89	0.31506	0.37609	0.3496	0.3321		5.92E-04	3.3E-05	0.00759	3.7E-07	0.00822		7.26E-04	4.04E-05	0.00935	2.08E-07	1.01E-02		0.00064	3.11E-05	0.017805	2.15E-07	0.018476							
5584	476027.71	3849180.27	0.31152	0.37631	0.35003	0.31715		5.85E-04	3.3E-05	0.0076	3.5E-07	0.00822		7.17E-04	4.05E-05	0.009362	1.98E-07	1.01E-02		0.000633	3.11E-05	0.017827	2.05E-07	0.018491							
5585	476119.68	3849194.64	0.32279	0.37298	0.33987	0.31234		6.07E-04	3.3E-05	0.00738	3.5E-07	0.00802		7.43E-04	4.01E-05	0.00909	1.95E-07	9.87E-03		0.000655	3.08E-05	0.01731	2.02E-07	0.017996							
5586	476211.65	3849209.01	0.31125	0.3546	0.33145	0.30896		5.85E-04	3.1E-05	0.0072	3.5E-07	0.00781		7.17E-04	3.81E-05	0.008865	1.93E-07	9.62E-03		0.000632	2.93E-05	0.016881	2E-07	0.017542							
5587	476497.8	3849283.9	0.30421	0.37728	0.31416	0.25271		5.72E-04	3.3E-05	0.00682	2.8E-07	0.00743		7.01E-04	4.06E-05	0.008402	1.58E-07	9.14E-03		0.000618	3.12E-05	0.016	1.63E-07	0.016649							
5588	476603.73	3849323.77	0.30148	0.35324	0.30669	0.26965		5.67E-04	3.1E-05	0.00666	3E-07	0.00726		6.94E-04	3.8E-05	0.008203	1.69E-07	8.94E-03		0.000612	2.92E-05	0.01562	1.74E-07	0.016261							
5589	476728.99	3849382.76	0.29885	0.3597	0.30144	0.29574		5.62E-04	3.2E-05	0.00655	3.3E-07	0.00714		6.88E-04	3.87E-05	0.008062	1.85E-07	8.79E-03		0.000607	2.97E-05	0.015353	1.91E-07	0.015989							
5590	476801.27	3849418.65	0.29979	0.36706	0.31552	0.31888		5.63E-04	3.2E-05	0.00685	3.6E-07	0.00745		6.90E-04	3.95E-05	0.008439	1.99E-07	9.17E-03		0.000609	3.04E-05	0.01607	2.06E-07	0.016709							
5591	476956.2	3849495.05	0.31196	0.35185	0.31916	0.3427		5.86E-04	3.1E-05	0.00693	3.8E-07	0.00755		7.18E-04	3.78E-05	0.008536	2.14E-07	9.29E-03		0.000633	2.91E-05	0.016255	2.21E-07	0.016918							
5592	477038.84	3849535.56	0.31128	0.3656	0.32503	0.33726		5.85E-04	3.2E-05	0.00706	3.8E-07	0.00768		7.17E-04	3.93E-05	0.008693	2.11E-07	9.45E-03		0.000632	3.02E-05	0.016554	2.18E-07	0.017216							
5593	477121.48	3849576.08	0.31805	0.37427	0.33475	0.35547		5.98E-04	3.3E-05	0.00727	4E-07	0.0079		7.32E-04	4.02E-05	0.008953	2.22E-07	9.73E-03		0.000646	3.1E-05	0.017049	2.3E-07	0.017726							
5594	477204.13	3849616.6	0.32717	0.38355	0.33296	0.37351		6.15E-04	3.4E-05	0.00723	4.2E-07	0.00788		7.53E-04	4.12E-05	0.008905	2.34E-07	9.70E-03		0.000664	3.17E-05	0.016958	2.41E-07	0.017654							
5595	477286.78	3849657.12	0.34081	0.38794	0.35871	0.38713		6.40E-04	3.4E-05	0.00779	4.3E-07	0.00846		7.85E-04	4.17E-05	0.009594	2.42E-07	1.04E-02		0.000692	3.21E-05	0.018269	2.5E-07	0.018994							
5596	477369.42	3849697.63	0.31946	0.38281	0.35365	0.40924		6.00E-04	3.4E-05	0.00768	4.6E-07	0.00831		7.36E-04	4.12E-05	0.009459	2.56E-07	1.02E-02		0.000649	3.17E-05	0.018012	2.64E-07	0.018692							
5597	477452.07	3849738.15	0.3394	0.39462	0.36723	0.41501		6.38E-04	3.5E-05	0.00797	4.6E-07	0.00865		7.82E-04	4.24E-05	0.009822	2.6E-07	1.06E-02		0.000689	3.26E-05	0.018703	2.68E-07	0.019425							
5598	477534.71	3849778.67	0.33761	0.37054	0.35234	0.40888		6.34E-04	3.3E-05	0.00765	4.6E-07	0.00832		7.77E-04	3.98E-05	0.009424	2.56E-07	1.02E-02		0.000685	3.06E-05	0.017945	2.64E-07	0.018661							
5599	477617.35	3849819.18	0.34095	0.37782	0.3488	0.39328		6.41E-04	3.3E-05	0.00757	4.4E-07	0.00825		7.85E-04	4.06E-05	0.009329	2.46E-07	1.02E-02		0.000692	3.12E-05	0.017765	2.54E-07	0.018488							
5600	477824.74	3849896.37	0.34521	0.38637	0.35761	0.39774		6.49E-04	3.4E-05	0.00777	4.4E-07	0.00845		7.95E-04	4.15E-05	0.009565	2.49E-07	1.04E-02		0.000701	3.2E-05	0.018213	2.57E-07	0.018946							
5601	477906.31	3849936.37	0.36433	0.42743	0.39546	0.37425		6.85E-04	3.7E-05	0.00859	4.2E-07	0.00931		8.39E-04	4.59E-05	0.010577	2.34E-07	1.15E-02		0.00074	3.53E-05	0.020141	2.42E-07	0.020916							
5602	477987.89	3849976.36	0.35757	0.40635	0.38905	0.41641		6.72E-04	3.6E-05	0.00845	4.7E-07	0.00916		8.23E-04	4.37E-05	0.010405	2.6E-07	1.13E-02		0.000726	3.36E-05	0.019815	2.69E-07	0.020574							
5603	478069.47	3850016.36	0.36705	0.43703	0.40504	0.44165		6.90E-04	3.8E-05	0.0088	4.9E-07	0.00952		8.45E-04	4.7E-05	0.010833	2.76E-07	1.17E-02		0.000745	3.61E-05	0.020629	2.85E-07	0.021411							
5604	478151.04	3850056.35	0.37846	0.46742	0.41413	0.42792		7.11E-04	4.1E-05	0.00899	4.8E-07	0.00975		8.72E-04	5.02E-05	0.011076	2.68E-07	1.20E-02		0.000768	3.87E-05	0.021092	2.76E-07	0.021899							
5605	478232.62	3850096.35	0.36971	0.46927	0.40966	0.41688		6.95E-04	4.1E-05	0.0089	4.7E-07	0.00963		8.51E-04	5.04E-05	0.010957	2.61E-07	1.19E-02		0.000751	3.88E-05	0.020864	2.69E-07	0.021654							
5606	478314.2	3850136.34	0.36819	0.4547	0.41626	0.42243		6.92E-04	4E-05	0.00904	4.7E-07	0.00977		8.48E-04	4.89E-05	0.011133	2.64E-07	1.20E-02		0.000748	3.76E-05	0.0212	2.73E-07	0.021986							
5607	478395.77	3850176.34	0.37803	0.46185	0.41429	0.4019		7.10E-04	4.1E-05	0.009	4.5E-07	0.00975		8.71E-04	4.96E-05	0.01108	2.51E-07	1.20E-02		0.000768	3.82E-05	0.0211	2.6E-07	0.021906							
5608	478575.43	3850244.45	0.35971	0.43347	0.38151	0.39652		6.76E-04	3.8E-05	0.00828	4.4E-07	0.009		8.28E-04	4.66E-05	0.010204	2.48E-07	1.11E-02		0.00073	3.58E-05	0.019431	2.56E-07	0.020197							

5609	478665.06	3850287.29	0.37535	0.43443	0.36822	0.39213	7.05E-04	3.8E-05	0.008	4.4E-07	0.00874	8.64E-04	4.67E-05	0.009848	2.45E-07	1.08E-02	0.000762	3.59E-05	0.018754	2.53E-07	0.019552
5610	478754.69	3850330.14	0.39006	0.42506	0.36393	0.41197	7.33E-04	3.7E-05	0.0079	4.6E-07	0.00867	8.98E-04	4.57E-05	0.009734	2.58E-07	1.07E-02	0.000792	3.52E-05	0.018535	2.66E-07	0.019363
5611	478844.32	3850372.99	0.39422	0.44173	0.37434	0.41506	7.41E-04	3.9E-05	0.00813	4.6E-07	0.00891	9.08E-04	4.75E-05	0.010012	2.6E-07	1.10E-02	0.0008	3.65E-05	0.019065	2.68E-07	0.019903
5612	478933.95	3850415.84	0.39743	0.4451	0.38474	0.43888	7.47E-04	3.9E-05	0.00836	4.9E-07	0.00914	9.15E-04	4.78E-05	0.01029	2.74E-07	1.13E-02	0.000807	3.68E-05	0.019595	2.84E-07	0.020439
5613	479023.58	3850458.68	0.40993	0.4753	0.40032	0.4435	7.70E-04	4.2E-05	0.00869	5E-07	0.00951	9.44E-04	5.11E-05	0.010707	2.77E-07	1.17E-02	0.000832	3.93E-05	0.020389	2.86E-07	0.02126
5614	479110.66	3850441.9	0.41925	0.48945	0.43792	0.53606	7.88E-04	4.3E-05	0.00951	6E-07	0.01034	9.65E-04	5.26E-05	0.011712	3.35E-07	1.27E-02	0.000851	4.05E-05	0.022304	3.46E-07	0.023196
5615	479191.22	3850423.99	0.42507	0.49047	0.43353	0.5969	7.99E-04	4.3E-05	0.00941	6.7E-07	0.01026	9.79E-04	5.27E-05	0.011595	3.73E-07	1.26E-02	0.000863	4.06E-05	0.02208	3.86E-07	0.022984
5616	479274.32	3850465.71	0.43575	0.51712	0.4524	0.60352	8.19E-04	4.5E-05	0.00982	6.7E-07	0.01069	1.00E-03	5.56E-05	0.0121	3.77E-07	1.32E-02	0.000885	4.28E-05	0.023041	3.9E-07	0.023969
5617	479357.43	3850507.42	0.44153	0.54338	0.46689	0.60183	8.30E-04	4.8E-05	0.01014	6.7E-07	0.01102	1.02E-03	5.84E-05	0.012487	3.76E-07	1.36E-02	0.000896	4.49E-05	0.023779	3.89E-07	0.024721
5618	479440.53	3850549.14	0.45543	0.5758	0.47325	0.59113	8.56E-04	5.1E-05	0.01028	6.6E-07	0.01118	1.05E-03	6.19E-05	0.012657	3.7E-07	1.38E-02	0.000925	4.76E-05	0.024103	3.82E-07	0.025076
5619	479523.64	3850590.85	0.46512	0.58372	0.48307	0.57386	8.74E-04	5.1E-05	0.01049	6.4E-07	0.01142	1.07E-03	6.28E-05	0.01292	3.59E-07	1.41E-02	0.000944	4.83E-05	0.024603	3.71E-07	0.025596
5620	479606.74	3850632.57	0.49216	0.58705	0.51446	0.57189	9.25E-04	5.2E-05	0.01117	6.4E-07	0.01215	1.13E-03	6.31E-05	0.01376	3.58E-07	1.50E-02	0.000999	4.85E-05	0.026202	3.69E-07	0.02725
5621	479777.37	3850707.61	0.53641	0.65703	0.53148	0.62556	1.01E-03	5.8E-05	0.01154	7E-07	0.01261	1.24E-03	7.06E-05	0.014215	3.91E-07	1.55E-02	0.001089	5.43E-05	0.027069	4.04E-07	0.028212
5622	479864.9	3850740.95	0.5391	0.65683	0.5248	0.66698	1.01E-03	5.8E-05	0.0114	7.5E-07	0.01247	1.24E-03	7.06E-05	0.014036	4.17E-07	1.53E-02	0.001095	5.43E-05	0.026728	4.31E-07	0.027878
5623	479931.87	3850829.56	0.54063	0.68606	0.53748	0.65167	1.02E-03	6E-05	0.01167	7.3E-07	0.01275	1.24E-03	7.38E-05	0.014375	4.08E-07	1.57E-02	0.001098	5.67E-05	0.027374	4.21E-07	0.028529
5624	479995.55	3850926.75	0.5336	0.67393	0.52443	0.66698	1.00E-03	5.9E-05	0.01139	7.5E-07	0.01245	1.23E-03	7.24E-05	0.014026	4.17E-07	1.53E-02	0.001083	5.57E-05	0.02671	4.31E-07	0.027849
5625	480079.78	3850968.64	0.53643	0.67515	0.53769	0.69356	1.01E-03	5.9E-05	0.01168	7.7E-07	0.01274	1.24E-03	7.26E-05	0.014381	4.34E-07	1.57E-02	0.001089	5.58E-05	0.027385	4.48E-07	0.02853
5626	480164.01	3851010.54	0.5378	0.6559	0.53597	0.75439	1.01E-03	5.8E-05	0.01164	8.4E-07	0.01271	1.24E-03	7.05E-05	0.014335	4.72E-07	1.56E-02	0.001092	5.42E-05	0.027297	4.87E-07	0.028444
5627	480248.23	3851052.43	0.53836	0.68752	0.54323	0.77575	1.01E-03	6E-05	0.0118	8.7E-07	0.01287	1.24E-03	7.39E-05	0.014529	4.85E-07	1.58E-02	0.001093	5.69E-05	0.027667	5.01E-07	0.028817
5628	480332.46	3851094.33	0.53726	0.7003	0.58615	0.73581	1.01E-03	6.1E-05	0.01273	8.2E-07	0.0138	1.24E-03	7.53E-05	0.015677	4.6E-07	1.70E-02	0.001091	5.79E-05	0.029853	4.75E-07	0.031002
5629	480416.69	3851136.22	0.55017	0.72601	0.60432	0.70466	1.03E-03	6.4E-05	0.01312	7.9E-07	0.01422	1.27E-03	7.8E-05	0.016163	4.41E-07	1.75E-02	0.001117	6E-05	0.030778	4.55E-07	0.031956
5630	480579.95	3851215.17	0.58673	0.75869	0.64929	0.82945	1.10E-03	6.7E-05	0.0141	9.3E-07	0.01527	1.35E-03	8.16E-05	0.017366	5.19E-07	1.88E-02	0.001191	6.27E-05	0.033069	5.36E-07	0.034323
5631	480658.98	3851252.22	0.59784	0.76812	0.65587	0.82206	1.12E-03	6.7E-05	0.01424	9.2E-07	0.01543	1.38E-03	8.26E-05	0.017542	5.14E-07	1.90E-02	0.001214	6.35E-05	0.033404	5.31E-07	0.034682
5632	480817.36	3851327.85	0.56817	0.78101	0.6735	0.91468	1.07E-03	6.9E-05	0.01463	1E-06	0.01576	1.31E-03	8.4E-05	0.018013	5.72E-07	1.94E-02	0.001154	6.46E-05	0.034302	5.91E-07	0.035521
5633	480896.72	3851366.42	0.57614	0.79018	0.66977	0.94454	1.08E-03	6.9E-05	0.01454	1.1E-06	0.0157	1.33E-03	8.49E-05	0.017913	5.91E-07	1.93E-02	0.00117	6.53E-05	0.034112	6.1E-07	0.035348
5634	480976.07	3851405	0.58406	0.80403	0.66812	0.96909	1.10E-03	7.1E-05	0.01451	1.1E-06	0.01568	1.34E-03	8.64E-05	0.017869	6.06E-07	1.93E-02	0.001186	6.65E-05	0.034028	6.26E-07	0.035281
5635	481178	3851487.31	0.59535	0.78769	0.69102	1.00153	1.12E-03	6.9E-05	0.01501	1.1E-06	0.0162	1.37E-03	8.47E-05	0.018482	6.26E-07	1.99E-02	0.001209	6.51E-05	0.035194	6.47E-07	0.036469
5636	481244.9	3851557.17	0.60449	0.80014	0.70458	1.01889	1.14E-03	7E-05	0.0153	1.1E-06	0.01651	1.39E-03	8.6E-05	0.018844	6.37E-07	2.03E-02	0.001227	6.62E-05	0.035885	6.58E-07	0.037179
5637	481311.81	3851627.03	0.61433	0.81379	0.71917	1.03625	1.15E-03	7.1E-05	0.01562	1.2E-06	0.01684	1.41E-03	8.75E-05	0.019235	6.48E-07	2.07E-02	0.001247	6.73E-05	0.036628	6.69E-07	0.037943
5638	481378.71	3851696.89	0.62486	0.82816	0.73453	1.05397	1.17E-03	7.3E-05	0.01595	1.2E-06	0.0172	1.44E-03	8.9E-05	0.019646	6.59E-07	2.12E-02	0.001269	6.85E-05	0.03741	6.81E-07	0.038748
5639	481445.61	3851766.76	0.63554	0.84271	0.75017	1.07301	1.19E-03	7.4E-05	0.01629	1.2E-06	0.01756	1.46E-03	9.06E-05	0.020064	6.71E-07	2.16E-02	0.00129	6.97E-05	0.038207	6.93E-07	0.039567
5640	481512.51	3851836.62	0.64704	0.85875	0.76708	1.09716	1.22E-03	7.5E-05	0.01666	1.2E-06	0.01795	1.49E-03	9.23E-05	0.020516	6.86E-07	2.21E-02	0.001314	7.1E-05	0.039068	7.09E-07	0.040453
5641	481579.42	3851906.48	0.65915	0.87758	0.78471	1.12177	1.24E-03	7.7E-05	0.01704	1.3E-06	0.01836	1.52E-03	9.43E-05	0.020988	7.02E-07	2.26E-02	0.001338	7.26E-05	0.039966	7.25E-07	0.041377
5642	481646.32	3851976.34	0.67137	0.90256	0.80272	1.14739	1.26E-03	7.9E-05	0.01743	1.3E-06	0.01877	1.55E-03	9.7E-05	0.021469	7.18E-07	2.31E-02	0.001363	7.46E-05	0.040883	7.41E-07	0.042322
5643	481713.22	3852046.2	0.68624	0.93316	0.82355	1.16941	1.29E-03	8.2E-05	0.01788	1.3E-06	0.01926	1.58E-03	0.0001	0.022026	7.31E-07	2.37E-02	0.001393	7.72E-05	0.041944	7.55E-07	0.043415
5644	481780.12	3852116.06	0.69836	0.95792	0.842	1.19897	1.31E-03	8.4E-05	0.01828	1.3E-06	0.01968	1.61E-03	0.000103	0.02252	7.5E-07	2.42E-02	0.001418	7.92E-05	0.042884	7.74E-07	0.044381
5645	481847.03	3852185.92	0.71394	0.98001	0.85952	1.23131	1.34E-03	8.6E-05	0.01867	1.4E-06	0.02009	1.64E-03	0.000105	0.022988	7.7E-07	2.47E-02	0.00145	8.1E-05	0.043776	7.95E-07	0.045307
5646	481913.93	3852255.78	0.73032	1.00081	0.87674	1.25542	1.37E-03	8.8E-05	0.01904	1.4E-06	0.0205	1.68E-03	0.000108	0.023449	7.85E-07	2.52E-02	0.001483	8.28E-05	0.044653	8.11E-07	0.046219
5647	481980.83	3852325.65	0.74589	1.01771	0.89241	1.27441	1.40E-03	8.9E-05	0.01938	1.4E-06	0.02087	1.72E-03	0.000109	0.023868	7.97E-07	2.57E-02	0.001514	8.42E-05	0.045451	8.23E-07	0.04705
5648	482047.73	3852395.51	0.77014	1.04282	0.91235	1.29556	1.45E-03	9.1E-05	0.01981	1.4E-06	0.02135	1.77E-03	0.000112	0.024401	8.1E-07	2.63E-02	0.001564	8.62E-05	0.046467	8.37E-07	0.048117
5649	482114.64	3852465.37	0.79472	1.06195	0.92973	1.31162	1.49E-03	9.3E-05	0.02019	1.5E-06	0.02178	1.83E-03	0.000114	0.024866	8.2E-07	2.68E-02	0.001614	8.78E-05	0.047352	8.47E-07	0.049054
5650	482181.54	3852535.23	0.82369	1.09447	0.95422	1.33879	1.55E-03	9.6E-05	0.02072	1.5E-06	0.02237	1.90E-03	0.000118	0.025521	8.37E-07	2.75E-02	0.001672	9.05E-05	0.048599	8.65E-07	0.050363
5651	482338.69	3852700.04	0.86812	1.1636	1.01609	1.39693	1.63E-03	0.0001	0.02207	1.6E-06	0.0238	2.00E-03	0.000125	0.027176	8.74E-07	2.93E-02	0.001763	9.62E-05	0.05175	9.02E-07	0.05361
5652	482404.05	3852767.78	0.88831	1.19486	1.04395	1.42414	1.67E-03	0.0001	0.02267	1.6E-06	0.02445	2.05E-03	0.000128	0.027921	8.91E-07	3.01E-02	0.001804	9.88E-05	0.053169	9.2E-07	0.055072
5653	482469.4	3852835.52	0.91006	1.22671	1.07295	1.45244	1.71E-03	0.00011	0.0233	1.6E-06	0.02512	2.10E-03	0.000132	0.028697	9.08E-07	3.09E-02	0.001848	0.000101	0.054646	9.38E-07	0.056596
5654	482534.75	3852903.25	0.93445	1.2658	1.10694	1.48626	1.76E-03	0.00011	0.02404	1.7E-06	0.02591	2.15E-03	0.000136	0.029606	9.3E-07	3.19E-02	0.001897	0.000105	0.056377	9.6E-07	0.05838
5655	482600.11	3852970.98	0.9579	1.2996	1.13909	1.51752	1.80E-03	0.00011	0.02474	1.7E-06	0.02665	2.21E-03	0.00014	0.030466	9.49E-07	3.28E-02	0.001945	0.000107	0.058015	9.8E-07	0.060068
5656	482706.71	3853119.28	1.03841	1.40749	1.19886	1.55067	1.95E-03	0.00012	0.02603	1.7E-06	0.02811	2.39E-03	0.000151	0.032064	9.7E-07	3.46E-02	0.002108	0.000116	0.061059	1E-06	0.063284
5657	482747.96	3853199.84	1.09594	1.45712	1.25436	1.59357	2.06E-03	0.00013	0.02724	1.8E-06	0.02943	2.52E-03	0.000157	0.033549	9.97E-07	3.62E-02	0.002225	0.000121	0.063885	1.03E-06	0.066232
5658	482789.21	3853280.4	1.2174	1.4937	1.35088	1.58604	2.29E-03	0.00013	0.02934	1.8E-06	0.03176	2.80E-03	0.000161	0.03613	9.92E-07	3.91E-02	0.002472	0.000124	0.068801	1.02E-06	0.071397
5659	482830.46	3853360.96	1.2906	1.58657	1.34473	1.56523	2.43E-03	0.00014	0.0292	1.7E-06	0.03177	2.97E-03	0.000171	0.035966	9.79E-07	3.91E-02	0.00262	0.000131	0.068488	1.01E-06	0.07124
5660	482871.71	3853441.52	1.26882	1.69584	1.38987	1.67459	2.38E-03	0.00015	0.03018	1.9E-06	0.03272	2.92E-03	0.000182	0.037173	1.05E-06	4.03E-02	0.002576	0.00014	0.070787	1.08E-06	0.073504
5661	482912.95	3853522.07	1.39287	1.82254	1.46362	1.60723	2.62E-03	0.00016	0.03178	1.8E-06	0.03456	3.21E-03	0.000196	0.039146	1.01E-06	4.25E-02	0.002828	0.000151	0.074543	1.04E-06	0.077523
5662	482954.2	3853602.63	2.26162	1.91519	1.52173	1.6258	4.25E-03	0.00017	0.03305	1.8E-06	0.03747	5.21E-03	0.000206	0.0407	1.02E-06	4.61E-02	0.004592	0.000158	0.077503	1.05E-06	0.082254
5663	482995.45	3853683.19	2.61191	2.03876	1.56147	1.52609	4.91E-03	0.00018	0.03391	1.7E-06	0.039	6.01E-03	0.000219	0.041763	9.54E-07	4.80E-02	0.005303	0.000169	0.079527	9.86E-07	0.084999
5664	483036.7	3853763.75	2.68353	2.23361	1.52072	1.5203	5.04E-03	0.0002	0.03302	1.7E-06	0.03826	6.18E-03	0.00024	0.040673	9.51E-07	4.71E-02	0.005449	0.000185	0.077451	9.82E-07	0.083085
5665	483214.2	3853909.91	2.25971	2.61692	1.89891	1.53231	4.25E-03	0.00023	0.04124	1.7E-06	0.04571	5.20E-03	0.000281	0.050788	9.58E-07	5.63E-02	0.004588	0.000216	0.096713	9.9E-07	0.101518
5666	483307.01	3853910.44	2.24838	2.65052	1.94003	1.62488	4.23E-03	0.00023	0.04213	1.8E-06	0.04659	5.18E-03	0.000285	0.051887	1.02E-06	5.74E-02	0.004565	0.000219	0.098807	1.05E-06	0.103592
5667	483399.83	3853910.96	2.09501	2.76926	2.02807	1.77544	3.94E-03	0.00024	0.04404	2E-06	0.04822	4.82E-03	0.000298	0.054242	1.11E-06	5.94E-02	0.004254	0.000229	0.103291	1.15E-06	0.107775
5668	483494.52	3854009.24	2.18965	3.10352	2.14886	1.80145	4.11E-03	0.00027	0.04666	2E-06	0.05105	5.04E-03	0.000334	0.057473	1.13E-06	6.28E-02	0.004446	0.000257	0.109443	1.16E-06	0.114146
5669	483496.41	3854106.98	2.43807	3.3161	2.17464	1.73594	4.58E-03	0.00029	0.04722	1.9E-06	0.0521	5.61E-03	0.000356	0.058162	1.09E-06	6.41E-02	0.00495	0.000274	0.110756	1.12E-06	0.115981

5670	483577.56	3854261.96	2.75632	4.04852	2.54969	1.57804	5.18E-03	0.00036	0.05537	1.8E-06	0.06091	6.35E-03	0.000435	0.068193	9.87E-07	7.50E-02	0.005596	0.000335	0.129857	1.02E-06	0.135789
5671	483656.83	3854319.19	2.96276	4.52899	2.81516	1.52724	5.57E-03	0.0004	0.06113	1.7E-06	0.0671	6.82E-03	0.000487	0.075293	9.55E-07	8.26E-02	0.006016	0.000375	0.143378	9.87E-07	0.149769
5672	483736.1	3854376.41	3.14314	5.15735	3.12876	1.40705	5.91E-03	0.00045	0.06794	1.6E-06	0.0743	7.24E-03	0.000554	0.083681	8.8E-07	9.15E-02	0.006382	0.000427	0.15935	9.09E-07	0.166159
5673	483815.36	3854433.64	3.32707	5.68284	3.44399	1.22154	6.25E-03	0.0005	0.07479	1.4E-06	0.08154	7.66E-03	0.000611	0.092112	7.64E-07	1.00E-01	0.006755	0.00047	0.175404	7.89E-07	0.18263
5674	483894.63	3854490.87	3.52374	6.02437	3.63814	1.03017	6.62E-03	0.00053	0.07901	1.2E-06	0.08616	8.11E-03	0.000648	0.097305	6.44E-07	1.06E-01	0.007155	0.000498	0.185293	6.65E-07	0.192946
5675	483973.9	3854548.1	3.75588	5.77377	3.59678	0.90415	7.06E-03	0.00051	0.07811	1E-06	0.08567	8.65E-03	0.000621	0.096198	5.65E-07	1.05E-01	0.007626	0.000477	0.183186	5.84E-07	0.19129
5676	484053.17	3854605.32	4.01492	5.70667	3.66908	0.86612	7.54E-03	0.0005	0.07968	9.7E-07	0.08772	9.25E-03	0.000613	0.098132	5.42E-07	1.08E-01	0.008152	0.000472	0.186868	5.59E-07	0.195493
5677	484214.97	3854698.15	5.06467	6.14714	3.77499	0.82392	9.52E-03	0.00054	0.08198	9.2E-07	0.09204	1.17E-02	0.000661	0.100965	5.15E-07	1.13E-01	0.010283	0.000508	0.192262	5.32E-07	0.203054
5678	484297.5	3854733.74	6.08226	6.61564	4.29305	0.90449	1.14E-02	0.00058	0.09323	1E-06	0.10524	1.40E-02	0.000711	0.114821	5.66E-07	1.30E-01	0.012349	0.000547	0.218647	5.84E-07	0.231544
5679	484380.03	3854769.34	6.70457	6.49555	4.78716	0.94184	1.26E-02	0.00057	0.10396	1.1E-06	0.11713	1.54E-02	0.000698	0.128036	5.89E-07	1.44E-01	0.013613	0.000537	0.243813	6.08E-07	0.257963
5680	484462.56	3854804.94	8.20287	7.35901	5.19853	1.01726	1.54E-02	0.00065	0.11289	1.1E-06	0.12895	1.89E-02	0.000791	0.139038	6.36E-07	1.59E-01	0.016655	0.000609	0.264764	6.57E-07	0.282028
5681	484545.09	3854840.53	9.07838	9.09505	5.52361	1.11529	1.71E-02	0.0008	0.11995	1.2E-06	0.13781	2.09E-02	0.000978	0.147733	6.98E-07	1.70E-01	0.018433	0.000752	0.281321	7.2E-07	0.300506
5682	484691.88	3854912.58	11.38689	15.68347	8.12491	1.31523	2.14E-02	0.00138	0.17644	1.5E-06	0.19922	2.62E-02	0.001686	0.217306	8.23E-07	2.45E-01	0.02312	0.001297	0.413806	8.5E-07	0.438224
5683	484830.81	3855012.51	10.5018	21.78848	11.2953	1.32648	1.97E-02	0.00191	0.24529	1.5E-06	0.26694	2.42E-02	0.002342	0.3021	8.3E-07	3.29E-01	0.021323	0.001802	0.575276	8.57E-07	0.598401
5684	484905.48	3855075.97	10.87168	22.27228	12.46634	1.79429	2.04E-02	0.00195	0.27072	2E-06	0.29311	2.50E-02	0.002394	0.333421	1.12E-06	3.61E-01	0.022074	0.001842	0.634918	1.16E-06	0.658835
5685	484980.14	3855139.44	10.9731	18.4571	13.44534	1.83028	2.06E-02	0.00162	0.29198	2E-06	0.31422	2.53E-02	0.001984	0.359605	1.14E-06	3.87E-01	0.02228	0.001526	0.684779	1.18E-06	0.708586
5686	485054.81	3855202.91	11.07523	14.48533	13.76017	2.19915	2.08E-02	0.00127	0.29882	2.5E-06	0.3209	2.55E-02	0.001557	0.368025	1.38E-06	3.95E-01	0.022487	0.001198	0.700813	1.42E-06	0.7245
5687	485129.48	3855266.37	10.70386	10.80931	13.40445	2.51792	2.01E-02	0.00095	0.29109	2.8E-06	0.31216	2.46E-02	0.001162	0.358511	1.57E-06	3.84E-01	0.021733	0.000894	0.682696	1.63E-06	0.705325
5688	485204.15	3855329.84	11.17906	9.07642	14.2124	2.9499	2.10E-02	0.0008	0.30864	3.3E-06	0.33044	2.57E-02	0.000976	0.38012	1.84E-06	4.07E-01	0.022698	0.000751	0.723846	1.91E-06	0.747296
5689	485278.82	3855393.31	11.11661	7.77674	14.15015	3.1766	2.09E-02	0.00068	0.30728	3.5E-06	0.32886	2.56E-02	0.000836	0.378455	1.99E-06	4.05E-01	0.022571	0.000643	0.720675	2.05E-06	0.743891
5690	485353.48	3855456.77	11.16629	7.36867	14.15377	3.44589	2.10E-02	0.00065	0.30736	3.9E-06	0.329	2.57E-02	0.000792	0.378552	2.16E-06	4.05E-01	0.022672	0.000609	0.72086	2.23E-06	0.744143
5691	485428.15	3855520.24	11.12046	6.95821	14.16993	3.52099	2.09E-02	0.00061	0.30771	3.9E-06	0.32923	2.56E-02	0.000748	0.378984	2.2E-06	4.05E-01	0.022579	0.000575	0.721683	2.27E-06	0.744839
5692	485502.82	3855583.71	11.13976	6.26309	14.06809	3.62588	2.09E-02	0.00055	0.3055	4.1E-06	0.32699	2.57E-02	0.000673	0.376261	2.27E-06	4.03E-01	0.022618	0.000518	0.716496	2.34E-06	0.739634
5693	485577.49	3855647.17	11.33852	5.49623	14.38011	3.84265	2.13E-02	0.00048	0.31228	4.3E-06	0.33407	2.61E-02	0.000591	0.384606	2.4E-06	4.11E-01	0.023021	0.000455	0.732387	2.48E-06	0.755866
5694	485652.16	3855710.64	11.45353	4.96376	14.74628	4.01304	2.15E-02	0.00044	0.32023	4.5E-06	0.34219	2.64E-02	0.000534	0.394399	2.51E-06	4.21E-01	0.023255	0.00041	0.751036	2.59E-06	0.774705
5695	485726.83	3855774.1	11.47235	4.46956	14.86512	4.16544	2.16E-02	0.00039	0.32281	4.7E-06	0.34477	2.64E-02	0.00048	0.397578	2.61E-06	4.24E-01	0.023293	0.00037	0.757089	2.69E-06	0.780755
5696	485801.49	3855837.57	11.33481	4.22007	14.72377	4.09012	2.13E-02	0.00037	0.31974	4.6E-06	0.34142	2.61E-02	0.000454	0.393797	2.56E-06	4.20E-01	0.023014	0.000349	0.74989	2.64E-06	0.773256
5697	485876.16	3855901.04	11.30846	3.92272	14.69261	4.10702	2.13E-02	0.00034	0.31906	4.6E-06	0.34066	2.60E-02	0.000422	0.392964	2.57E-06	4.19E-01	0.02296	0.000324	0.748303	2.65E-06	0.771591
5698	485950.83	3855964.5	11.0787	3.56236	14.51841	4.03752	2.08E-02	0.00031	0.31528	4.5E-06	0.33642	2.55E-02	0.000383	0.388305	2.53E-06	4.14E-01	0.022494	0.000295	0.739431	2.61E-06	0.762222
5699	486025.5	3856027.97	10.83592	3.45115	14.17763	3.99024	2.04E-02	0.0003	0.30788	4.5E-06	0.32855	2.50E-02	0.000371	0.37919	2.5E-06	4.05E-01	0.022001	0.000285	0.722075	2.58E-06	0.744364
5700	486100.17	3856091.44	11.10128	3.37347	14.88796	4.25827	2.09E-02	0.0003	0.32331	4.8E-06	0.34447	2.56E-02	0.000363	0.398189	2.66E-06	4.24E-01	0.02254	0.000279	0.758252	2.75E-06	0.781074
5701	486174.83	3856154.9	10.71383	3.37578	14.36414	4.05755	2.01E-02	0.0003	0.31193	4.5E-06	0.33237	2.47E-02	0.000363	0.384179	2.54E-06	4.09E-01	0.021753	0.000279	0.731574	2.62E-06	0.753609
5702	486249.5	3856218.37	10.17446	3.56008	13.43408	3.71364	1.91E-02	0.00031	0.29173	4.1E-06	0.31117	2.34E-02	0.000383	0.359304	2.32E-06	3.83E-01	0.020658	0.000294	0.684205	2.4E-06	0.70516
5703	486324.17	3856281.84	9.98925	3.73685	12.94735	3.49615	1.88E-02	0.00033	0.28116	3.9E-06	0.30027	2.30E-02	0.000402	0.346286	2.19E-06	3.70E-01	0.020282	0.000309	0.659416	2.26E-06	0.680009
5704	486398.84	3856345.3	10.43309	3.98841	13.86689	3.54941	1.96E-02	0.00035	0.30113	4E-06	0.32109	2.40E-02	0.000429	0.370879	2.22E-06	3.95E-01	0.021183	0.00033	0.706249	2.29E-06	0.727764
5705	486473.51	3856408.77	10.5439	4.35734	14.09295	3.5353	1.98E-02	0.00038	0.30604	4E-06	0.32624	2.43E-02	0.000468	0.376925	2.21E-06	4.02E-01	0.021408	0.00036	0.717762	2.28E-06	0.739533
5706	486548.17	3856472.24	10.70546	4.87372	14.54109	3.55763	2.01E-02	0.00043	0.31577	4E-06	0.33632	2.47E-02	0.000524	0.388911	2.23E-06	4.14E-01	0.021736	0.000403	0.740586	2.3E-06	0.762728
5707	486622.84	3856535.7	10.826	5.37152	14.74714	3.68044	2.03E-02	0.00047	0.32025	4.1E-06	0.34107	2.49E-02	0.000577	0.394422	2.3E-06	4.20E-01	0.021981	0.000444	0.75108	2.38E-06	0.773508
5708	486765.48	3856659.69	10.84138	6.7251	14.65404	4.00323	2.04E-02	0.00059	0.31823	4.5E-06	0.33919	2.50E-02	0.000723	0.391932	2.5E-06	4.18E-01	0.022012	0.000556	0.746339	2.59E-06	0.768909
5709	486833.44	3856720.2	10.93714	7.18663	14.68729	4.11804	2.06E-02	0.00063	0.31895	4.6E-06	0.34014	2.52E-02	0.000773	0.392822	2.58E-06	4.19E-01	0.022207	0.000594	0.748032	2.66E-06	0.770836
5710	486901.41	3856780.72	10.85865	7.69123	14.56497	4.40092	2.04E-02	0.00067	0.31629	4.9E-06	0.33738	2.50E-02	0.000827	0.38955	2.75E-06	4.15E-01	0.022047	0.000636	0.741802	2.84E-06	0.764488
5711	486969.38	3856841.24	10.63144	8.76802	14.4942	4.59138	2.00E-02	0.00077	0.31476	5.1E-06	0.33551	2.45E-02	0.000943	0.387657	2.87E-06	4.13E-01	0.021586	0.000725	0.738198	2.97E-06	0.760512
5712	487037.34	3856901.75	10.27305	10.93008	14.31481	4.78412	1.93E-02	0.00096	0.31086	5.3E-06	0.33113	2.37E-02	0.001175	0.382859	2.99E-06	4.08E-01	0.020858	0.000904	0.729061	3.09E-06	0.750827
5713	487271.23	3856855.51	6.39351	7.16612	8.82763	3.8645	1.20E-02	0.00063	0.1917	4.3E-06	0.20435	1.47E-02	0.00077	0.236101	2.42E-06	2.52E-01	0.012981	0.000593	0.449596	2.5E-06	0.463173
5714	487368.96	3856857.29	5.67453	6.62878	8.00207	3.66195	1.07E-02	0.00058	0.17377	4.1E-06	0.18502	1.31E-02	0.000713	0.214021	2.29E-06	2.28E-01	0.011521	0.000548	0.40755	2.37E-06	0.419622
5715	487466.68	3856859.06	4.9947	6.61958	7.23241	3.54992	9.39E-03	0.00058	0.15706	4E-06	0.16703	1.15E-02	0.000712	0.193436	2.22E-06	2.06E-01	0.010141	0.000547	0.368351	2.29E-06	0.379042
5716	487636.44	3856930	4.42738	8.08071	6.29885	3.49631	8.32E-03	0.00071	0.13679	3.9E-06	0.14582	1.02E-02	0.000869	0.168467	2.19E-06	1.80E-01	0.008989	0.000668	0.320804	2.26E-06	0.330464
5717	487709.57	3856928.43	4.16684	7.58442	5.81509	3.46245	7.83E-03	0.00067	0.12628	3.9E-06	0.13478	9.60E-03	0.000815	0.155529	2.17E-06	1.66E-01	0.00846	0.000627	0.296166	2.24E-06	0.305256
5718	487782.54	3856841.96	3.8359	6.00374	5.37425	3.13996	7.21E-03	0.00053	0.11671	3.5E-06	0.12445	8.83E-03	0.000645	0.143738	1.96E-06	1.53E-01	0.007788	0.000497	0.273714	2.03E-06	0.282
5719	487849.83	3856754.74	3.59271	4.55153	5.03523	2.87494	6.75E-03	0.0004	0.10935	3.2E-06	0.1165	8.27E-03	0.000489	0.134671	1.8E-06	1.43E-01	0.007295	0.000376	0.256447	1.86E-06	0.26412
5720	487918.03	3856819.39	3.49578	5.53448	4.90876	3.04378	6.57E-03	0.00049	0.1066	3.4E-06	0.11366	8.05E-03	0.000595	0.131288	1.9E-06	1.40E-01	0.007098	0.000458	0.250006	1.97E-06	0.257563
5721	487918.8	3856886.37	3.54322	6.31722	4.89193	3.28807	6.66E-03	0.00055	0.10623	3.7E-06	0.11345	8.16E-03	0.000679	0.130838	2.06E-06	1.40E-01	0.007194	0.000522	0.249149	2.12E-06	0.256867
5722	488065.47	3857127.5	3.19791	9.45912	4.39563	3.80729	6.01E-03	0.00083	0.09546	4.3E-06	0.1023	7.36E-03	0.001017	0.117564	2.38E-06	1.26E-01	0.006493	0.000782	0.223872	2.46E-06	0.23115
5723	488192.19	3857385.83	2.97847	10.91599	3.68686	4.77963	5.60E-03	0.00096	0.08006	5.3E-06	0.08662	6.86E-03	0.001173	0.098608	2.99E-06	1.07E-01	0.006047	0.000903	0.187774	3.09E-06	0.194727
5724	488191.22	3857473.87	3.08987	11.0755	3.66276	5.2445	5.81E-03	0.00097	0.07954	5.9E-06	0.08632	7.12E-03	0.001191	0.097963	3.28E-06	1.06E-01	0.006274	0.000916	0.186546	3.39E-06	0.193739
5725	488190.24	3857561.9	3.267	8.99555	3.89906	5.77865	6.14E-03	0.00079	0.08467	6.5E-06	0.09161	7.52E-03	0.000967	0.104283	3.61E-06	1.13E-01	0.006633	0.000744	0.198581	3.73E-06	0.205962
5726	488158.35	3857691.13	3.62868	6.76669	3.63106	6.98197	6.82E-03	0.00059	0.07885	7.8E-06	0.08627	8.36E-03	0.000727	0.097115	4.37E-06	1.06E-01	0.007368	0.00056	0.184932	4.51E-06	0.192864
5727	488208.37	3857816.66	3.27438	6.5682	3.22511	7.97191	6.15E-03	0.00058	0.07004	8.9E-06	0.07677	7.54E-03	0.000706	0.086258	4.99E-06	9.45E-02	0.006648	0.000543	0.164257	5.15E-06	0.171453
5728	488271.97	3857874.6	3.02749	6.01692	2.91273	8.20009	5.69E-03	0.00053	0.06325	9.2E-06	0.06948	6.97E-03	0.000647	0.077903	5.13E-06	8.55E-02	0.006147	0.000498	0.148347	5.3E-06	0.154997
5729	488463.56	3857942.31	2.54003	5.08099	2.52453	6.86306	4.77E-03	0.00045	0.05482	7.7E-06	0.06005	5.85E-03	0.000546	0.06752	4.29E-06	7.39E-02	0.005157	0.00042	0.128576	4.43E-06	0.134158
5730	488554.83	3857940.83	2.39806	4.74718	2.3397	6.09069	4.51E-03	0.00042	0.05081	6.8E-06	0.05574	5.52E-03	0.00051	0.062577	3.81E-06	6.86E-02	0.004869	0.000393	0.119162	3.93E-06	0.124428

5731	488646.1	3857939.36	2.2955	4.09509	2.17191	5.58525	4.31E-03	0.00036	0.04717	6.2E-06	0.05184	5.29E-03	0.00044	0.058089	3.49E-06	6.38E-02	0.004661	0.000339	0.110617	3.61E-06	0.11562	
5732	488737.37	3857937.88	2.21008	3.574	2.1677	5.03557	4.15E-03	0.00031	0.04707	5.6E-06	0.05155	5.09E-03	0.000384	0.057977	3.15E-06	6.35E-02	0.004487	0.000296	0.110402	3.25E-06	0.115188	
5733	488733.59	3857960.57	2.1911	3.68826	2.07687	4.94296	4.12E-03	0.00032	0.0451	5.5E-06	0.04955	5.05E-03	0.000396	0.055547	3.09E-06	6.10E-02	0.004449	0.000305	0.105776	3.19E-06	0.110533	
5734	488638.09	3857961.57	2.28274	4.32671	2.20342	5.51676	4.29E-03	0.00038	0.04785	6.2E-06	0.05252	5.26E-03	0.000465	0.058932	3.45E-06	6.47E-02	0.004635	0.000358	0.112221	3.56E-06	0.117218	
5735	488542.6	3857962.56	2.38605	4.78851	2.37461	6.24129	4.48E-03	0.00042	0.05157	7E-06	0.05648	5.49E-03	0.000515	0.063511	3.9E-06	6.95E-02	0.004845	0.000396	0.12094	4.03E-06	0.126185	
5736	488447.1	3857963.56	2.5786	4.93048	2.50034	7.09483	4.85E-03	0.00043	0.0543	7.9E-06	0.05958	5.94E-03	0.00053	0.066873	4.44E-06	7.33E-02	0.005236	0.000408	0.127344	4.58E-06	0.132992	
5737	488254.28	3857890.36	3.07473	5.68369	2.669	8.65503	5.78E-03	0.0005	0.05796	9.7E-06	0.06425	7.08E-03	0.000611	0.071384	5.41E-06	7.91E-02	0.006243	0.00047	0.135934	5.59E-06	0.142652	
5738	488191.69	3857833.06	3.32921	6.74252	3.18419	8.34294	6.26E-03	0.00059	0.06915	9.3E-06	0.076	7.67E-03	0.000725	0.085163	5.22E-06	9.36E-02	0.00676	0.000558	0.162173	5.39E-06	0.169495	
5739	488129.5	3857907.43	3.47176	5.69825	3.19612	10.76893	6.52E-03	0.0005	0.06941	1.2E-05	0.07644	7.99E-03	0.000613	0.085482	6.74E-06	9.41E-02	0.007049	0.000471	0.16278	6.96E-06	0.170307	
5740	488196.47	3857968.73	3.1755	5.19411	2.91687	11.10851	5.97E-03	0.00046	0.06334	1.2E-05	0.06978	7.31E-03	0.000558	0.078014	6.95E-06	8.59E-02	0.006447	0.00043	0.148558	7.18E-06	0.155442	
5741	488263.44	3858030.04	2.93127	4.55328	2.59947	9.28398	5.51E-03	0.0004	0.05645	1E-05	0.06237	6.75E-03	0.000489	0.069525	5.81E-06	7.68E-02	0.005952	0.000377	0.132392	6E-06	0.138727	
5742	488400.64	3858132.9	2.69226	3.82728	2.23136	6.77272	5.06E-03	0.00034	0.04846	7.6E-06	0.05386	6.20E-03	0.000411	0.059679	4.24E-06	6.63E-02	0.005466	0.000317	0.113644	4.37E-06	0.119432	
5743	488519.89	3858218.38	2.57491	3.26497	1.97711	5.45522	4.84E-03	0.00029	0.04293	6.1E-06	0.04807	5.93E-03	0.000351	0.052879	3.41E-06	5.92E-02	0.005228	0.00027	0.100695	3.52E-06	0.106197	
5744	488647.97	3858214.99	2.27788	3.22463	1.91002	5.02499	4.28E-03	0.00028	0.04148	5.6E-06	0.04605	5.25E-03	0.000347	0.051085	3.14E-06	5.67E-02	0.004625	0.000267	0.097278	3.25E-06	0.102173	
5745	488727.05	3858167.67	2.16537	3.34529	1.78648	4.66764	4.07E-03	0.00029	0.0388	5.2E-06	0.04316	4.99E-03	0.00036	0.047781	2.92E-06	5.31E-02	0.004397	0.000277	0.090986	3.02E-06	0.095663	
5746	488806.12	3858120.35	2.0484	3.67606	2.00776	4.35258	3.85E-03	0.00032	0.0436	4.9E-06	0.04778	4.72E-03	0.000395	0.053699	2.72E-06	5.88E-02	0.004159	0.000304	0.102256	2.81E-06	0.106722	
5747	488885.2	3858073.03	1.99282	3.58882	1.91832	4.13549	3.74E-03	0.00031	0.04166	4.6E-06	0.04572	4.59E-03	0.000386	0.051307	2.59E-06	5.63E-02	0.004046	0.000297	0.097701	2.67E-06	0.102047	
5748	489055.76	3857991.17	1.94679	2.8752	2.05817	3.79105	3.66E-03	0.00025	0.0447	4.2E-06	0.04861	4.48E-03	0.000309	0.055047	2.37E-06	5.98E-02	0.003953	0.000238	0.104824	2.45E-06	0.109017	
5749	489245.39	3857944.54	1.78044	3.03677	1.88422	3.40302	3.35E-03	0.00027	0.04092	3.8E-06	0.04453	4.10E-03	0.000326	0.050395	2.13E-06	5.48E-02	0.003615	0.000251	0.095964	2.2E-06	0.099833	
5750	489430.63	3857930.91	1.68068	2.82374	1.81566	2.98178	3.16E-03	0.00025	0.03943	3.3E-06	0.04284	3.87E-03	0.000304	0.048561	1.86E-06	5.27E-02	0.003412	0.000234	0.092473	1.93E-06	0.09612	
5751	489517.74	3857929.36	1.6264	2.80098	1.71169	2.83571	3.06E-03	0.00025	0.03717	3.2E-06	0.04048	3.75E-03	0.000301	0.04578	1.77E-06	4.98E-02	0.003302	0.000232	0.087177	1.83E-06	0.090713	
5752	489604.85	3857927.82	1.55758	2.87539	1.60381	2.69568	2.93E-03	0.00025	0.03483	3E-06	0.03801	3.59E-03	0.000309	0.042895	1.69E-06	4.68E-02	0.003162	0.000238	0.081683	1.74E-06	0.085085	
5753	489691.97	3857926.28	1.48988	2.84256	1.52981	2.56788	2.80E-03	0.00025	0.03322	2.9E-06	0.03627	3.43E-03	0.000306	0.040916	1.61E-06	4.47E-02	0.003025	0.000235	0.077914	1.66E-06	0.081176	
5754	489779.08	3857924.73	1.42388	2.84153	1.46659	2.45806	2.68E-03	0.00025	0.03185	2.7E-06	0.03478	3.28E-03	0.000305	0.039225	1.54E-06	4.28E-02	0.002891	0.000235	0.074694	1.59E-06	0.077822	
5755	490017.54	3857875.08	1.35093	2.89536	1.39074	2.23704	2.54E-03	0.00025	0.0302	2.5E-06	0.033	3.11E-03	0.000311	0.037196	1.4E-06	4.06E-02	0.002743	0.000239	0.070831	1.45E-06	0.073815	
5756	490033.82	3857960.81	1.33026	2.64945	1.34052	2.14768	2.50E-03	0.00023	0.02911	2.4E-06	0.03185	3.06E-03	0.000285	0.035853	1.34E-06	3.92E-02	0.002701	0.000219	0.068273	1.39E-06	0.071195	
5757	489959.15	3857987.49	1.3429	2.48994	1.36588	2.2441	2.52E-03	0.00022	0.02966	2.5E-06	0.03241	3.09E-03	0.000268	0.036531	1.4E-06	3.99E-02	0.002727	0.000206	0.069565	1.45E-06	0.072499	
5758	489791.49	3858016.12	1.47712	2.37217	1.53695	2.40872	2.78E-03	0.00021	0.03338	2.7E-06	0.03636	3.40E-03	0.000255	0.041107	1.51E-06	4.48E-02	0.002999	0.000196	0.078278	1.56E-06	0.081475	
5759	489698.51	3858018.07	1.5216	2.45703	1.62962	2.53688	2.86E-03	0.00022	0.03539	2.8E-06	0.03847	3.50E-03	0.000264	0.043585	1.59E-06	4.74E-02	0.003089	0.000203	0.082997	1.64E-06	0.086292	
5760	489605.52	3858020.02	1.56149	2.54544	1.67838	2.67016	2.93E-03	0.00022	0.03645	3E-06	0.03961	3.60E-03	0.000274	0.044889	1.67E-06	4.88E-02	0.00317	0.000211	0.085481	1.72E-06	0.088863	
5761	489512.53	3858021.96	1.60092	2.62799	1.74067	2.81035	3.01E-03	0.00023	0.0378	3.1E-06	0.04104	3.69E-03	0.000283	0.046555	1.76E-06	5.05E-02	0.00325	0.000217	0.088653	1.82E-06	0.092123	
5762	489419.55	3858023.91	1.64325	2.67059	1.79204	2.96697	3.09E-03	0.00023	0.03892	3.3E-06	0.04224	3.78E-03	0.000287	0.047929	1.86E-06	5.20E-02	0.003336	0.000221	0.09127	1.92E-06	0.094829	
5763	489228.47	3858041.29	1.76877	2.63716	1.91513	3.25364	3.32E-03	0.00023	0.04159	3.6E-06	0.04515	4.07E-03	0.000284	0.051221	2.03E-06	5.56E-02	0.003591	0.000218	0.097539	2.1E-06	0.10135	
5764	489065.75	3858085.78	1.87631	2.95524	1.86216	3.51009	3.53E-03	0.00026	0.04044	3.9E-06	0.04423	4.32E-03	0.000318	0.049805	2.2E-06	5.44E-02	0.00381	0.000244	0.094841	2.27E-06	0.098897	
5765	489001.12	3858114.86	1.90212	3.29356	1.8208	3.63303	3.57E-03	0.00029	0.03954	4.1E-06	0.04341	4.38E-03	0.000354	0.048699	2.27E-06	5.34E-02	0.003862	0.000272	0.092734	2.35E-06	0.096871	
5766	488861.89	3858189.81	1.97653	3.33836	1.91007	4.14035	3.71E-03	0.00029	0.04148	4.6E-06	0.04549	4.55E-03	0.000359	0.051086	2.59E-06	5.60E-02	0.004013	0.000276	0.097281	2.67E-06	0.101573	
5767	488787.28	3858235.69	2.0557	2.96998	1.76974	4.50677	3.86E-03	0.00026	0.03843	5E-06	0.04256	4.73E-03	0.000319	0.047333	2.82E-06	5.24E-02	0.004174	0.000246	0.090134	2.91E-06	0.094556	
5768	488712.68	3858281.57	2.26713	2.95129	1.82149	4.17144	4.26E-03	0.00026	0.03956	4.7E-06	0.04408	5.22E-03	0.000317	0.048717	2.61E-06	5.43E-02	0.004603	0.000244	0.09277	2.69E-06	0.097619	
5769	488654.39	3858436.17	2.69072	2.66351	1.64206	4.16031	5.06E-03	0.00023	0.03566	4.6E-06	0.04095	6.20E-03	0.000286	0.043918	2.6E-06	5.04E-02	0.005463	0.00022	0.083631	2.69E-06	0.089317	
5770	488726.3	3858505.26	2.69131	2.45469	1.5901	3.84445	5.06E-03	0.00022	0.03453	4.3E-06	0.03981	6.20E-03	0.000264	0.042528	2.4E-06	4.90E-02	0.005464	0.000203	0.080985	2.48E-06	0.086655	
5771	488880.6	3858599.28	2.44006	2.28334	1.41931	3.25738	4.59E-03	0.0002	0.03082	3.6E-06	0.03561	5.62E-03	0.000245	0.03796	2.04E-06	4.38E-02	0.004954	0.000189	0.072286	2.1E-06	0.077431	
5772	489008.06	3858714.75	2.37247	2.05395	1.34149	2.85197	4.46E-03	0.00018	0.02913	3.2E-06	0.03377	5.46E-03	0.000221	0.035879	1.78E-06	4.16E-02	0.004817	0.00017	0.068323	1.84E-06	0.073312	
5773	489071.48	3858772.72	2.34029	1.98235	1.30933	2.69947	4.40E-03	0.00017	0.02843	3E-06	0.03301	5.39E-03	0.000213	0.035019	1.69E-06	4.06E-02	0.004752	0.000164	0.066685	1.74E-06	0.071602	
5774	489244.59	3858920.19	1.71325	1.79355	1.22239	2.38052	3.22E-03	0.00016	0.02655	2.7E-06	0.02992	3.95E-03	0.000193	0.032694	1.49E-06	3.68E-02	0.003479	0.000148	0.062257	1.54E-06	0.065885	
5775	489239.69	3858952.23	1.67736	1.80938	1.26586	2.41595	3.15E-03	0.00016	0.02749	2.7E-06	0.0308	3.86E-03	0.000195	0.033856	1.51E-06	3.79E-02	0.003406	0.00015	0.064471	1.56E-06	0.068028	
5776	489121.67	3858854.49	2.19714	1.93781	1.33294	2.64568	4.13E-03	0.00017	0.02895	3E-06	0.03325	5.06E-03	0.000208	0.03565	1.65E-06	4.09E-02	0.004461	0.00016	0.067887	1.71E-06	0.07251	
5777	489059.59	3858797.27	2.41195	1.98056	1.36594	2.71291	4.53E-03	0.00017	0.02966	3E-06	0.03437	5.55E-03	0.000213	0.036533	1.7E-06	4.23E-02	0.004897	0.000164	0.069568	1.75E-06	0.074631	
5778	488997.52	3858740.04	2.52956	2.0262	1.40163	2.78169	4.75E-03	0.00018	0.03044	3.1E-06	0.03537	5.83E-03	0.000218	0.037488	1.74E-06	4.35E-02	0.005136	0.000168	0.071386	1.8E-06	0.076691	
5779	488935.44	3858682.82	2.52498	2.10444	1.43568	2.89777	4.74E-03	0.00018	0.03118	3.2E-06	0.03611	5.81E-03	0.000226	0.038398	1.81E-06	4.44E-02	0.005127	0.000174	0.07312	1.87E-06	0.078423	
5780	488869.17	3858848.43	5.10505	2.07005	1.45875	2.99808	9.59E-03	0.00018	0.03168	3.3E-06	0.04146	1.18E-02	0.000223	0.039015	1.88E-06	5.10E-02	0.010365	0.000171	0.074295	1.94E-06	0.084833	
5781	488932.48	3858892.69	3.58034	1.99231	1.42659	2.86634	6.73E-03	0.00017	0.03098	3.2E-06	0.03789	8.24E-03	0.000214	0.038155	1.79E-06	4.66E-02	0.007269	0.000165	0.072657	1.85E-06	0.080093	
5782	489063.27	3858977.17	2.19539	1.91826	1.35385	2.63422	4.13E-03	0.00017	0.0294	2.9E-06	0.0337	5.06E-03	0.000206	0.03621	1.65E-06	4.15E-02	0.004457	0.000159	0.068952	1.7E-06	0.07357	
5783	489248.2	3859117.15	1.63632	1.74851	1.24001	2.30435	3.07E-03	0.00015	0.02693	2.6E-06	0.03016	3.77E-03	0.000188	0.033165	1.44E-06	3.71E-02	0.003322	0.000145	0.063154	1.49E-06	0.066623	
5784	489296.25	3859049.22	1.61082	1.77563	1.18242	2.29822	3.03E-03	0.00016	0.02568	2.6E-06	0.02886	3.71E-03	0.000191	0.031625	1.44E-06	3.55E-02	0.003271	0.000147	0.060221	1.48E-06	0.06364	
5785	489353.38	3858993.96	1.5016	1.67057	1.14531	2.17887	2.82E-03	0.00015	0.02487	2.4E-06	0.02784	3.46E-03	0.00018	0.030632	1.36E-06	3.43E-02	0.003049	0.000138	0.058331	1.41E-06	0.06152	
5786	489537.24	3859120.22	1.3169	1.4934	1.0477	1.89494	2.47E-03	0.00013	0.02275	2.1E-06	0.02536	3.03E-03	0.000161	0.028021	1.19E-06	3.12E-02	0.002674	0.000124	0.05336	1.22E-06	0.056158	
5787	489726.98	3859246.04	1.17172	1.32584	0.95023	1.65126	2.20E-03	0.00012	0.02064	1.8E-06	0.02296	2.70E-03	0.000143	0.025415	1.03E-06	2.83E-02	0.002379	0.00011	0.048396	1.07E-06	0.050886	
5788	489911.46	3859366.33	1.05585	1.20368	0.86708	1.50714	1.98E-03	0.00011	0.01883	1.7E-06	0.02092	2.43E-03	0.000129	0.023191	9.43E-07	2.58E-02	0.002144	9.95E-05	0.044161	9.74E-07	0.046405	
5789	490035.3	3859430.26	0.98817	1.18411	0.80619	1.45971	1.86E-03	0.0001	0.01751	1.6E-06	0.01947	2.28E-03	0.000127	0.021562	9.13E-07	2.40E-02	0.002006	9.79E-05	0.04106	9.43E-07	0.043165	
5790	490101.11	3859458.61	0.94499	1.14059	0.79967	1.4394	1.78E-03	0.0001	0.01737	1.6E-06	0.01924	2.18E-03	0.000123	0.021388	9E-07	2.37E-02	0.001919	9.43E-05	0.040728	9.3E-07	0.042742	
5791	490312.68	3859560.3	0.84629	1.07747	0.77953	1.35064	1.59E-03	9.5E-05	0.01693	1.5E-06	0.01861	1.95E-03	0.000116	0.020849	8.45E-07	2.29E-02	0.001718	8.91E-05	0.039702	8.72E-07	0.04151	

5792	490401.63	3859603.12	0.80958	1.05303	0.75645	1.30786	1.52E-03	9.2E-05	0.01643	1.5E-06	0.01804	1.86E-03	0.000113	0.020232	8.18E-07	2.22E-02	0.001644	8.71E-05	0.038526	8.45E-07	0.040258
5793	490490.57	3859645.94	0.78156	1.02725	0.73652	1.27118	1.47E-03	9E-05	0.01599	1.4E-06	0.01755	1.80E-03	0.00011	0.019699	7.95E-07	2.16E-02	0.001587	8.5E-05	0.037511	8.21E-07	0.039184
5794	490579.51	3859688.76	0.75341	1.00652	0.73065	1.23109	1.42E-03	8.8E-05	0.01587	1.4E-06	0.01737	1.73E-03	0.000108	0.019542	7.7E-07	2.14E-02	0.00153	8.32E-05	0.037212	7.95E-07	0.038826
5795	490668.45	3859731.58	0.73727	0.98736	0.7321	1.19086	1.39E-03	8.7E-05	0.0159	1.3E-06	0.01737	1.70E-03	0.000106	0.019581	7.45E-07	2.14E-02	0.001497	8.17E-05	0.037286	7.69E-07	0.038866
5796	490757.4	3859774.4	0.71251	0.95823	0.72387	1.15267	1.34E-03	8.4E-05	0.01572	1.3E-06	0.01714	1.64E-03	0.000103	0.01936	7.21E-07	2.11E-02	0.001447	7.92E-05	0.036867	7.45E-07	0.038394
5797	491003.53	3859861.82	0.64976	0.89415	0.70997	1.05938	1.22E-03	7.8E-05	0.01542	1.2E-06	0.01672	1.50E-03	9.61E-05	0.018989	6.63E-07	2.06E-02	0.001319	7.39E-05	0.036159	6.84E-07	0.037553
5798	491081.41	3859879.05	0.63563	0.86642	0.69811	1.03567	1.19E-03	7.6E-05	0.01516	1.2E-06	0.01643	1.46E-03	9.31E-05	0.018671	6.48E-07	2.02E-02	0.001291	7.17E-05	0.035555	6.69E-07	0.036918
5799	491229.76	3859917.82	0.61232	0.82623	0.6782	0.9788	1.15E-03	7.2E-05	0.01473	1.1E-06	0.01595	1.41E-03	8.88E-05	0.018139	6.12E-07	1.96E-02	0.001243	6.83E-05	0.034541	6.32E-07	0.035853
5800	491300.22	3859939.35	0.59388	0.79703	0.66424	0.94542	1.12E-03	7E-05	0.01442	1.1E-06	0.01561	1.37E-03	8.57E-05	0.017766	5.91E-07	1.92E-02	0.001206	6.59E-05	0.03383	6.11E-07	0.035102
5801	491350.48	3860012.03	0.57471	0.78437	0.64231	0.93567	1.08E-03	6.9E-05	0.01395	1E-06	0.0151	1.32E-03	8.43E-05	0.017179	5.85E-07	1.86E-02	0.001167	6.49E-05	0.032713	6.04E-07	0.033946
5802	491406.82	3860092.56	0.56492	0.7615	0.62283	0.92118	1.06E-03	6.7E-05	0.01353	1E-06	0.01465	1.30E-03	8.19E-05	0.016658	5.76E-07	1.80E-02	0.001147	6.3E-05	0.031721	5.95E-07	0.032932
5803	491483.36	3860121.96	0.55099	0.73714	0.61118	0.88743	1.04E-03	6.5E-05	0.01327	9.9E-07	0.01437	1.27E-03	7.92E-05	0.016346	5.55E-07	1.77E-02	0.001119	6.1E-05	0.031128	5.73E-07	0.032308
5804	491559.91	3860151.35	0.54015	0.7211	0.60195	0.85664	1.02E-03	6.3E-05	0.01307	9.6E-07	0.01415	1.24E-03	7.75E-05	0.0161	5.36E-07	1.74E-02	0.001097	5.96E-05	0.030658	5.53E-07	0.031815
5805	491711.81	3860237.76	0.53577	0.71439	0.59971	0.81382	1.01E-03	6.3E-05	0.01302	9.1E-07	0.01409	1.23E-03	7.68E-05	0.01604	5.09E-07	1.74E-02	0.001088	5.91E-05	0.030544	5.26E-07	0.031691
5806	491755.2	3860319.07	0.50446	0.67	0.55887	0.8227	9.48E-04	5.9E-05	0.01214	9.2E-07	0.01314	1.16E-03	7.2E-05	0.014947	5.15E-07	1.62E-02	0.001024	5.54E-05	0.028464	5.31E-07	0.029544
5807	491704.71	3860366.54	0.49973	0.6758	0.54607	0.85433	9.39E-04	5.9E-05	0.01186	9.5E-07	0.01286	1.15E-03	7.27E-05	0.014605	5.34E-07	1.58E-02	0.001015	5.59E-05	0.027812	5.52E-07	0.028883
5808	491623.42	3860462.39	0.52785	0.67891	0.49404	0.86476	9.92E-04	6E-05	0.01073	9.7E-07	0.01178	1.22E-03	7.3E-05	0.013213	5.41E-07	1.45E-02	0.001072	5.61E-05	0.025162	5.59E-07	0.02629
5809	491534.02	3860439.85	0.55939	0.72735	0.52822	0.88877	1.05E-03	6.4E-05	0.01147	9.9E-07	0.01259	1.29E-03	7.82E-05	0.014128	5.56E-07	1.55E-02	0.001136	6.02E-05	0.026903	5.74E-07	0.028099
5810	491313.95	3860268.17	0.56396	0.73289	0.53127	0.93961	1.06E-03	6.4E-05	0.01154	1E-06	0.01266	1.30E-03	7.88E-05	0.014209	5.88E-07	1.56E-02	0.001145	6.06E-05	0.027058	6.07E-07	0.028264
5811	491187.12	3860143.56	0.59495	0.77712	0.56677	0.99022	1.12E-03	6.8E-05	0.01231	1.1E-06	0.0135	1.37E-03	8.35E-05	0.015159	6.19E-07	1.66E-02	0.001208	6.43E-05	0.028866	6.4E-07	0.030139
5812	491070.43	3860075.97	0.61833	0.81058	0.58302	1.02967	1.16E-03	7.1E-05	0.01266	1.2E-06	0.0139	1.42E-03	8.71E-05	0.015593	6.44E-07	1.71E-02	0.001255	6.7E-05	0.029694	6.65E-07	0.031017
5813	490995.09	3860039.38	0.6312	0.83526	0.6052	1.05234	1.19E-03	7.3E-05	0.01314	1.2E-06	0.0144	1.45E-03	8.98E-05	0.016186	6.58E-07	1.77E-02	0.001282	6.91E-05	0.030823	6.8E-07	0.032175
5814	490919.75	3860002.8	0.64645	0.84713	0.62884	1.07202	1.21E-03	7.4E-05	0.01366	1.2E-06	0.01495	1.49E-03	9.11E-05	0.016819	6.7E-07	1.84E-02	0.001313	7.01E-05	0.032027	6.92E-07	0.03341
5815	490756.81	3859894.53	0.70698	0.90146	0.66628	1.13443	1.33E-03	7.9E-05	0.01447	1.3E-06	0.01588	1.63E-03	9.69E-05	0.01782	7.1E-07	1.95E-02	0.001435	7.45E-05	0.033934	7.33E-07	0.035445
5816	490668.07	3859860.92	0.72214	0.90784	0.66439	1.15162	1.36E-03	8E-05	0.01443	1.3E-06	0.01587	1.66E-03	9.76E-05	0.01777	7.2E-07	1.95E-02	0.001466	7.51E-05	0.033838	7.44E-07	0.03538
5817	490579.34	3859827.3	0.7475	0.92039	0.66508	1.1465	1.40E-03	8.1E-05	0.01444	1.3E-06	0.01593	1.72E-03	9.89E-05	0.017788	7.17E-07	1.96E-02	0.001518	7.61E-05	0.033873	7.41E-07	0.035467
5818	490490.6	3859793.68	0.78126	0.91801	0.67754	1.15652	1.47E-03	8.1E-05	0.01471	1.3E-06	0.01626	1.80E-03	9.87E-05	0.018121	7.23E-07	2.00E-02	0.001586	7.59E-05	0.034507	7.47E-07	0.03617
5819	490401.86	3859760.07	0.81834	0.94161	0.71948	1.18156	1.54E-03	8.3E-05	0.01562	1.3E-06	0.01725	1.88E-03	0.000101	0.019243	7.39E-07	2.12E-02	0.001662	7.79E-05	0.036644	7.63E-07	0.038384
5820	490313.12	3859726.45	0.83966	1.02891	0.76117	1.24756	1.58E-03	9E-05	0.01653	1.4E-06	0.0182	1.93E-03	0.000111	0.020358	7.8E-07	2.24E-02	0.001705	8.51E-05	0.038767	8.06E-07	0.040558
5821	490224.39	3859692.83	0.85907	1.07976	0.80909	1.34472	1.61E-03	9.5E-05	0.01757	1.5E-06	0.01928	1.98E-03	0.000116	0.02164	8.41E-07	2.37E-02	0.001744	8.93E-05	0.041207	8.69E-07	0.043042
5822	490135.65	3859659.22	0.87494	1.12778	0.83847	1.36683	1.64E-03	9.9E-05	0.01821	1.5E-06	0.01995	2.01E-03	0.000121	0.022425	8.55E-07	2.46E-02	0.001776	9.33E-05	0.042704	8.83E-07	0.044574
5823	489918.18	3859559.23	0.94306	1.2597	0.91244	1.6747	1.77E-03	0.00011	0.01981	1.9E-06	0.0217	2.17E-03	0.000135	0.024404	1.05E-06	2.67E-02	0.001915	0.000104	0.046471	1.08E-06	0.048491
5824	489743.61	3859486	1.0822	1.40725	0.94803	1.80508	2.03E-03	0.00012	0.02059	2E-06	0.02275	2.49E-03	0.000151	0.025356	1.13E-06	2.80E-02	0.002197	0.000116	0.048284	1.17E-06	0.050599
5825	489660.32	3859440.27	1.14048	1.42906	0.9979	1.79709	2.14E-03	0.00013	0.02167	2E-06	0.02394	2.63E-03	0.000154	0.02669	1.12E-06	2.95E-02	0.002316	0.000118	0.050824	1.16E-06	0.053259
5826	489577.04	3859394.53	1.20573	1.44518	1.058	1.84029	2.27E-03	0.00013	0.02298	2.1E-06	0.02537	2.78E-03	0.000155	0.028297	1.15E-06	3.12E-02	0.002448	0.00012	0.053885	1.19E-06	0.056453
5827	489493.75	3859348.8	1.27101	1.49321	1.10832	1.92601	2.39E-03	0.00013	0.02407	2.2E-06	0.02659	2.93E-03	0.000161	0.029643	1.2E-06	3.27E-02	0.002581	0.000123	0.056447	1.24E-06	0.059153
5828	489321.28	3859240.02	1.46106	1.59628	1.19861	2.18277	2.75E-03	0.00014	0.02603	2.4E-06	0.02892	3.36E-03	0.000172	0.032058	1.37E-06	3.56E-02	0.002967	0.000132	0.061046	1.41E-06	0.064146
5829	489235.41	3859193.96	1.59265	1.67449	1.21878	2.33349	2.99E-03	0.00015	0.02647	2.6E-06	0.02961	3.67E-03	0.00018	0.032597	1.46E-06	3.64E-02	0.003234	0.000138	0.062073	1.51E-06	0.065447
5830	489149.54	3859147.89	1.78926	1.74856	1.28985	2.47074	3.36E-03	0.00015	0.02801	2.8E-06	0.03153	4.12E-03	0.000188	0.034498	1.55E-06	3.88E-02	0.003633	0.000145	0.065693	1.6E-06	0.069472
5831	489063.68	3859101.82	2.09834	1.77	1.34275	2.58634	3.94E-03	0.00016	0.02916	2.9E-06	0.03326	4.83E-03	0.00019	0.035913	1.62E-06	4.09E-02	0.00426	0.000146	0.068387	1.67E-06	0.072795
5832	488977.81	3859055.75	2.23487	1.84104	1.32325	2.67676	4.20E-03	0.00016	0.02874	3E-06	0.0331	5.15E-03	0.000198	0.035391	1.67E-06	4.07E-02	0.004538	0.000152	0.067394	1.73E-06	0.072085
5833	488891.94	3859009.69	2.44587	1.86978	1.28613	2.73038	4.60E-03	0.00016	0.02793	3.1E-06	0.03269	5.63E-03	0.000201	0.034398	1.71E-06	4.02E-02	0.004966	0.000155	0.065503	1.76E-06	0.070626
5834	488808	3859060.73	2.05444	1.84045	1.23944	2.54613	3.86E-03	0.00016	0.02692	2.8E-06	0.03094	4.73E-03	0.000198	0.03315	1.59E-06	3.81E-02	0.004171	0.000152	0.063125	1.64E-06	0.067451
5835	488809.93	3859157.85	1.66415	1.67827	1.22638	2.35946	3.13E-03	0.00015	0.02663	2.6E-06	0.02991	3.83E-03	0.00018	0.0328	1.48E-06	3.68E-02	0.003379	0.000139	0.06246	1.52E-06	0.065979
5836	488811.85	3859254.96	1.38314	1.63722	1.17846	2.17667	2.60E-03	0.00014	0.02559	2.4E-06	0.02834	3.19E-03	0.000176	0.031519	1.36E-06	3.49E-02	0.002808	0.000135	0.06002	1.41E-06	0.062965
5837	488813.78	3859352.07	1.28543	1.48035	1.08858	1.88351	2.42E-03	0.00013	0.02364	2.1E-06	0.02619	2.96E-03	0.000159	0.029115	1.18E-06	3.22E-02	0.00261	0.000122	0.055442	1.22E-06	0.058176
5838	488815.71	3859449.19	1.15743	1.41792	1.04658	1.77836	2.18E-03	0.00012	0.02273	2E-06	0.02503	2.67E-03	0.000152	0.027991	1.11E-06	3.08E-02	0.00235	0.000117	0.053303	1.15E-06	0.055771
5839	488910.04	3859547.1	1.08871	1.31873	1.01201	1.66549	2.05E-03	0.00012	0.02198	1.9E-06	0.02414	2.51E-03	0.000142	0.027067	1.04E-06	2.97E-02	0.00221	0.000109	0.051542	1.08E-06	0.053863
5840	489002.45	3859547.91	1.13169	1.39094	0.9913	1.64436	2.13E-03	0.00012	0.02153	1.8E-06	0.02378	2.61E-03	0.00015	0.026513	1.03E-06	2.93E-02	0.002298	0.000115	0.050487	1.06E-06	0.052901
5841	489094.85	3859548.71	1.13218	1.3928	0.99979	1.87731	2.13E-03	0.00012	0.02171	2.1E-06	0.02396	2.61E-03	0.00015	0.02674	1.17E-06	2.95E-02	0.002299	0.000115	0.05092	1.21E-06	0.053335
5842	489230.05	3859601.87	1.19979	1.28762	0.95694	1.76417	2.25E-03	0.00011	0.02078	2E-06	0.02315	2.76E-03	0.000138	0.025594	1.1E-06	2.85E-02	0.002436	0.000106	0.048738	1.14E-06	0.051281
5843	489227.52	3859680.89	1.07222	1.29999	0.92311	1.70442	2.01E-03	0.00011	0.02005	1.9E-06	0.02218	2.47E-03	0.00014	0.024689	1.07E-06	2.73E-02	0.002177	0.000108	0.047015	1.1E-06	0.0493
5844	489133.47	3859760.29	1.0059	1.11314	0.90581	1.43708	1.89E-03	9.8E-05	0.01967	1.6E-06	0.02166	2.32E-03	0.00012	0.024227	8.99E-07	2.67E-02	0.002042	9.21E-05	0.046133	9.28E-07	0.048269
5845	489041.96	3859760.67	0.93005	1.21629	0.87382	1.4925	1.75E-03	0.00011	0.01898	1.7E-06	0.02083	2.14E-03	0.000131	0.023371	9.33E-07	2.56E-02	0.001888	0.000101	0.044504	9.64E-07	0.046494
5846	488950.45	3859761.05	0.92024	1.11448	0.87464	1.47251	1.73E-03	9.8E-05	0.01899	1.6E-06	0.02082	2.12E-03	0.00012	0.023393	9.21E-07	2.56E-02	0.001868	9.22E-05	0.044546	9.51E-07	0.046507
5847	488858.94	3859761.43	0.90905	1.22638	0.88343	1.43274	1.71E-03	0.00011	0.01918	1.6E-06	0.021	2.09E-03	0.000132	0.023628	8.96E-07	2.59E-02	0.001846	0.000101	0.044994	9.26E-07	0.046942
5848	488767.43	3859761.82	0.88942	1.22597	0.86268	1.40534	1.67E-03	0.00011	0.01873	1.6E-06	0.02051	2.05E-03	0.000132	0.023073	8.79E-07	2.53E-02	0.001806	0.000101	0.043937	9.08E-07	0.045845
5849	488675.92	3859762.2	0.86289	1.23108	0.83692	1.45156	1.62E-03	0.00011	0.01817	1.6E-06	0.01991	1.99E-03	0.000132	0.022384	9.08E-07	2.45E-02	0.001752	0.000102	0.042625	9.38E-07	0.04448
5850	488584.41	3859762.58	0.85576	1.21584	0.82104	1.38822	1.61E-03	0.00011	0.01783	1.6E-06	0.01955	1.97E-03	0.000131	0.021959	8.68E-07	2.41E-02	0.001738	0.000101	0.041816	8.97E-07	0.043655
5851	488492.9	3859762.96	0.87811	1.19575	0.79486	1.37221	1.65E-03	0.0001	0.01726	1.5E-06	0.01902	2.02E-03	0.000129	0.021259	8.58E-07	2.34E-02	0.001783	9.89E-05	0.040483	8.86E-07	0.042365
5852	488402.76	3859830.95	0.82163	1.04744	0.77305	1.25051	1.54E-03	9.2E-05	0.01679	1.4E-06	0.01842	1.89E-03	0.000113	0.020676	7.82E-07	2.27E-02	0.001668	8.66E-05	0.039372	8.08E-07	0.041128

5853	488404.14	3859898.55	0.78874	1.01179	0.7745	1.21602	1.48E-03	8.9E-05	0.01682	1.4E-06	0.01839	1.82E-03	0.000109	0.020715	7.61E-07	2.26E-02	0.001601	8.37E-05	0.039446	7.86E-07	0.041132
5854	488505.18	3859964.96	0.79645	0.97652	0.74152	1.22063	1.50E-03	8.6E-05	0.0161	1.4E-06	0.01769	1.83E-03	0.000105	0.019832	7.63E-07	2.18E-02	0.001617	8.08E-05	0.037766	7.88E-07	0.039465
5855	488604.84	3859963.76	0.79172	1.07369	0.73643	1.21579	1.49E-03	9.4E-05	0.01599	1.4E-06	0.01758	1.82E-03	0.000115	0.019696	7.6E-07	2.16E-02	0.001607	8.88E-05	0.037507	7.85E-07	0.039204
5856	488704.51	3859962.56	0.77848	1.10728	0.76767	1.27742	1.46E-03	9.7E-05	0.01667	1.4E-06	0.01823	1.79E-03	0.000119	0.020532	7.99E-07	2.24E-02	0.001581	9.16E-05	0.039098	8.25E-07	0.040771
5857	488804.18	3859961.37	0.78901	1.11751	0.76265	1.30757	1.48E-03	9.8E-05	0.01656	1.5E-06	0.01814	1.82E-03	0.00012	0.020398	8.18E-07	2.23E-02	0.001602	9.24E-05	0.038842	8.45E-07	0.040537
5858	488903.85	3859960.17	0.81502	1.10031	0.79127	1.31673	1.53E-03	9.7E-05	0.01718	1.5E-06	0.01881	1.88E-03	0.000118	0.021163	8.24E-07	2.32E-02	0.001655	9.1E-05	0.0403	8.51E-07	0.042046
5859	489003.52	3859958.97	0.83117	1.103	0.81238	1.30796	1.56E-03	9.7E-05	0.01764	1.5E-06	0.0193	1.91E-03	0.000119	0.021728	8.18E-07	2.38E-02	0.001688	9.12E-05	0.041375	8.45E-07	0.043155
5860	489103.18	3859957.77	0.84322	1.01682	0.79093	1.32296	1.58E-03	8.9E-05	0.01718	1.5E-06	0.01885	1.94E-03	0.000109	0.021154	8.27E-07	2.32E-02	0.001712	8.41E-05	0.040283	8.55E-07	0.04208
5861	489201.48	3860046.59	0.8163	1.02723	0.78178	1.26229	1.53E-03	9E-05	0.01698	1.4E-06	0.0186	1.88E-03	0.00011	0.020909	7.89E-07	2.29E-02	0.001657	8.5E-05	0.039817	8.15E-07	0.04156
5862	489200.11	3860136.61	0.77768	0.93812	0.75136	1.19882	1.46E-03	8.2E-05	0.01632	1.3E-06	0.01786	1.79E-03	0.000101	0.020096	7.5E-07	2.20E-02	0.001579	7.76E-05	0.038267	7.74E-07	0.039925
5863	489198.74	3860226.63	0.74073	0.96394	0.7249	1.16442	1.39E-03	8.5E-05	0.01574	1.3E-06	0.01722	1.71E-03	0.000104	0.019388	7.28E-07	2.12E-02	0.001504	7.97E-05	0.03692	7.52E-07	0.038504
5864	489197.38	3860316.65	0.70402	0.96001	0.68437	1.15684	1.32E-03	8.4E-05	0.01486	1.3E-06	0.01627	1.62E-03	0.000103	0.018304	7.24E-07	2.00E-02	0.001429	7.94E-05	0.034855	7.47E-07	0.036365
5865	489196.01	3860406.68	0.66114	0.91466	0.66295	1.13999	1.24E-03	8E-05	0.0144	1.3E-06	0.01572	1.52E-03	9.83E-05	0.017731	7.13E-07	1.94E-02	0.001342	7.56E-05	0.033764	7.36E-07	0.035183
5866	489194.64	3860496.7	0.63416	0.85053	0.65921	1.10914	1.19E-03	7.5E-05	0.01432	1.2E-06	0.01558	1.46E-03	9.14E-05	0.017631	6.94E-07	1.92E-02	0.001288	7.03E-05	0.033574	7.16E-07	0.034933
5867	489193.27	3860586.72	0.60187	0.8442	0.65114	1.04836	1.13E-03	7.4E-05	0.01414	1.2E-06	0.01535	1.39E-03	9.08E-05	0.017415	6.56E-07	1.89E-02	0.001222	6.98E-05	0.033163	6.77E-07	0.034455
5868	489092.02	3860678.13	0.5785	0.79693	0.5822	0.97933	1.09E-03	7E-05	0.01264	1.1E-06	0.0138	1.33E-03	8.57E-05	0.015571	6.13E-07	1.70E-02	0.001175	6.59E-05	0.029652	6.33E-07	0.030893
5869	488992.13	3860679.52	0.58254	0.75685	0.59291	0.91602	1.09E-03	6.6E-05	0.01288	1E-06	0.01404	1.34E-03	8.14E-05	0.015858	5.73E-07	1.73E-02	0.001183	6.26E-05	0.030197	5.92E-07	0.031443
5870	488892.24	3860680.92	0.61345	0.74224	0.60949	0.87735	1.15E-03	6.5E-05	0.01324	9.8E-07	0.01445	1.41E-03	7.98E-05	0.016301	5.49E-07	1.78E-02	0.001246	6.14E-05	0.031042	5.67E-07	0.032349
5871	488792.36	3860682.31	0.57584	0.70718	0.60048	0.90764	1.08E-03	6.2E-05	0.01304	1E-06	0.01419	1.33E-03	7.6E-05	0.01606	5.68E-07	1.75E-02	0.001169	5.85E-05	0.030583	5.86E-07	0.031811
5872	488692.47	3860683.7	0.56034	0.78083	0.59492	0.85294	1.05E-03	6.8E-05	0.01292	9.5E-07	0.01404	1.29E-03	8.39E-05	0.015912	5.33E-07	1.73E-02	0.001138	6.46E-05	0.0303	5.51E-07	0.031502
5873	488592.59	3860685.1	0.53102	0.7247	0.54404	0.84371	9.98E-04	6.4E-05	0.01181	9.4E-07	0.01288	1.22E-03	7.79E-05	0.014551	5.28E-07	1.59E-02	0.001078	5.99E-05	0.027708	5.45E-07	0.028847
5874	488492.71	3860686.49	0.50279	0.68699	0.52925	0.90047	9.45E-04	6E-05	0.01149	1E-06	0.0125	1.16E-03	7.39E-05	0.014155	5.63E-07	1.54E-02	0.001021	5.68E-05	0.026955	5.82E-07	0.028033
5875	488299.07	3860762.18	0.49651	0.78244	0.50863	0.78241	9.33E-04	6.9E-05	0.01105	8.7E-07	0.01205	1.14E-03	8.41E-05	0.013604	4.89E-07	1.48E-02	0.001008	6.47E-05	0.025905	5.05E-07	0.026978
5876	488205.32	3860764.09	0.50202	0.77506	0.51573	0.78559	9.43E-04	6.8E-05	0.0112	8.8E-07	0.01221	1.16E-03	8.33E-05	0.013794	4.91E-07	1.50E-02	0.001019	6.41E-05	0.026266	5.07E-07	0.02735
5877	488111.56	3860766	0.49933	0.73197	0.51764	0.80788	9.38E-04	6.4E-05	0.01124	9E-07	0.01224	1.15E-03	7.87E-05	0.013845	5.05E-07	1.51E-02	0.001014	6.05E-05	0.026364	5.22E-07	0.027439
5878	488017.81	3860767.91	0.48696	0.77015	0.51312	0.78379	9.15E-04	6.8E-05	0.01114	8.8E-07	0.01213	1.12E-03	8.28E-05	0.013724	4.9E-07	1.49E-02	0.000989	6.37E-05	0.026133	5.06E-07	0.027186
5879	487924.06	3860769.81	0.47634	0.73639	0.50148	0.74375	8.95E-04	6.5E-05	0.01089	8.3E-07	0.01185	1.10E-03	7.92E-05	0.013412	4.65E-07	1.46E-02	0.000967	6.09E-05	0.025541	4.8E-07	0.026569
5880	487830.31	3860771.72	0.46694	0.77894	0.49108	0.7118	8.77E-04	6.8E-05	0.01066	8E-07	0.01161	1.08E-03	8.37E-05	0.013134	4.45E-07	1.43E-02	0.000948	6.44E-05	0.025011	4.6E-07	0.026024
5881	487736.55	3860773.63	0.45837	0.76246	0.509	0.69575	8.61E-04	6.7E-05	0.01105	7.8E-07	0.01198	1.06E-03	8.2E-05	0.013614	4.35E-07	1.48E-02	0.000931	6.31E-05	0.025924	4.49E-07	0.026918
5882	487642.8	3860775.54	0.45327	0.73013	0.49811	0.66457	8.52E-04	6.4E-05	0.01082	7.4E-07	0.01173	1.04E-03	7.85E-05	0.013322	4.16E-07	1.44E-02	0.00092	6.04E-05	0.025369	4.29E-07	0.02635
5883	487549.48	3860684.71	0.47333	0.73692	0.49807	0.68495	8.89E-04	6.5E-05	0.01082	7.7E-07	0.01177	1.09E-03	7.92E-05	0.013321	4.28E-07	1.45E-02	0.000961	6.09E-05	0.025367	4.42E-07	0.026389
5884	487549.91	3860591.97	0.4814	0.76283	0.52892	0.70875	9.05E-04	6.7E-05	0.01149	7.9E-07	0.01246	1.11E-03	8.2E-05	0.014146	4.43E-07	1.53E-02	0.000977	6.31E-05	0.026938	4.58E-07	0.027979
5885	487550.34	3860499.23	0.49256	0.79024	0.56453	0.73243	9.26E-04	6.9E-05	0.01226	8.2E-07	0.01326	1.13E-03	8.5E-05	0.015099	4.58E-07	1.63E-02	0.001	6.54E-05	0.028752	4.73E-07	0.029818
5886	487550.76	3860406.49	0.50779	0.81462	0.57798	0.75656	9.54E-04	7.1E-05	0.01255	8.5E-07	0.01358	1.17E-03	8.76E-05	0.015458	4.73E-07	1.67E-02	0.001031	6.74E-05	0.029437	4.89E-07	0.030536
5887	487551.19	3860313.75	0.52589	0.83298	0.58951	0.78581	9.88E-04	7.3E-05	0.0128	8.8E-07	0.01386	1.21E-03	8.95E-05	0.015767	4.91E-07	1.71E-02	0.001068	6.89E-05	0.030024	5.08E-07	0.031161
5888	487551.62	3860221.01	0.54622	0.84985	0.60232	0.82641	1.03E-03	7.5E-05	0.01308	9.2E-07	0.01418	1.26E-03	9.14E-05	0.016109	5.17E-07	1.75E-02	0.001109	7.03E-05	0.030677	5.34E-07	0.031856
5889	487552.05	3860128.27	0.57164	0.87698	0.61958	0.87231	1.07E-03	7.7E-05	0.01345	9.7E-07	0.01461	1.32E-03	9.43E-05	0.016571	5.46E-07	1.80E-02	0.001161	7.25E-05	0.031556	5.63E-07	0.032789
5890	487552.48	3860035.53	0.60281	0.90326	0.63687	0.94287	1.13E-03	7.9E-05	0.01383	1.1E-06	0.01504	1.39E-03	9.71E-05	0.017034	5.9E-07	1.85E-02	0.001224	7.47E-05	0.032436	6.09E-07	0.033735
5891	487552.91	3859942.79	0.62336	0.92056	0.66038	0.9784	1.17E-03	8.1E-05	0.01434	1.1E-06	0.01559	1.44E-03	9.9E-05	0.017662	6.12E-07	1.92E-02	0.001266	7.61E-05	0.033634	6.32E-07	0.034976
5892	487553.33	3859850.05	0.6527	0.95183	0.69202	1.01027	1.23E-03	8.4E-05	0.01503	1.1E-06	0.01634	1.50E-03	0.000102	0.018509	6.32E-07	2.01E-02	0.001325	7.87E-05	0.035245	6.53E-07	0.03665
5893	487553.76	3859757.31	0.68338	0.99056	0.71904	1.05599	1.28E-03	8.7E-05	0.01561	1.2E-06	0.01699	1.57E-03	0.000106	0.019231	6.6E-07	2.09E-02	0.001388	8.19E-05	0.036621	6.82E-07	0.038091
5894	487554.19	3859664.57	0.71705	1.04426	0.75103	1.10152	1.35E-03	9.2E-05	0.01631	1.2E-06	0.01775	1.65E-03	0.000112	0.020087	6.89E-07	2.19E-02	0.001456	8.64E-05	0.03825	7.12E-07	0.039793
5895	487460.2	3859571.05	0.73312	1.15042	0.7662	1.11797	1.38E-03	0.0001	0.01664	1.2E-06	0.01812	1.69E-03	0.000124	0.020493	6.99E-07	2.23E-02	0.001489	9.51E-05	0.039023	7.22E-07	0.040607
5896	487365.78	3859570.27	0.71174	1.16609	0.76016	1.14957	1.34E-03	0.0001	0.01651	1.3E-06	0.01795	1.64E-03	0.000125	0.020331	7.19E-07	2.21E-02	0.001445	9.64E-05	0.038715	7.43E-07	0.040258
5897	487271.36	3859569.48	0.68577	1.13576	0.75041	1.11873	1.29E-03	1E-04	0.0163	1.2E-06	0.01769	1.58E-03	0.000122	0.02007	7E-07	2.18E-02	0.001392	9.39E-05	0.038219	7.23E-07	0.039706
5898	487176.94	3859568.7	0.66067	1.12448	0.73312	1.08909	1.24E-03	9.9E-05	0.01592	1.2E-06	0.01726	1.52E-03	0.000121	0.019608	6.81E-07	2.13E-02	0.001341	9.3E-05	0.037338	7.04E-07	0.038773
5899	487082.51	3859567.92	0.66047	1.15322	0.74071	1.08961	1.24E-03	0.0001	0.01609	1.2E-06	0.01743	1.52E-03	0.000124	0.019811	6.81E-07	2.15E-02	0.001341	9.54E-05	0.037725	7.04E-07	0.039162
5900	486988.09	3859567.14	0.6775	1.16319	0.76379	1.14554	1.27E-03	0.0001	0.01659	1.3E-06	0.01796	1.56E-03	0.000125	0.020428	7.16E-07	2.21E-02	0.001376	9.62E-05	0.0389	7.4E-07	0.040373
5901	486893.67	3859566.36	0.67483	1.20426	0.69602	1.04127	1.27E-03	0.00011	0.01511	1.2E-06	0.01649	1.55E-03	0.000129	0.018616	6.51E-07	2.03E-02	0.00137	9.96E-05	0.035449	6.73E-07	0.036919
5902	486799.25	3859565.58	0.67477	1.21244	0.66495	1.02605	1.27E-03	0.00011	0.01444	1.1E-06	0.01582	1.55E-03	0.00013	0.017785	6.42E-07	1.95E-02	0.00137	0.0001	0.033866	6.63E-07	0.035337
5903	486704.83	3859564.79	0.69504	1.23964	0.64724	1.01079	1.31E-03	0.00011	0.01406	1.1E-06	0.01547	1.60E-03	0.000133	0.017311	6.32E-07	1.90E-02	0.001411	0.000103	0.032964	6.53E-07	0.034479
5904	486610.41	3859564.01	0.67038	1.39134	0.62653	0.99421	1.26E-03	0.00012	0.01361	1.1E-06	0.01499	1.54E-03	0.00015	0.016757	6.22E-07	1.85E-02	0.001361	0.000115	0.03191	6.42E-07	0.033386
5905	486515.99	3859563.23	0.6473	1.36546	0.64357	0.97239	1.22E-03	0.00012	0.01398	1.1E-06	0.01531	1.49E-03	0.000147	0.017213	6.08E-07	1.89E-02	0.001314	0.000113	0.032777	6.28E-07	0.034205
5906	486421.57	3859562.45	0.63117	1.31192	0.62591	0.9436	1.19E-03	0.00012	0.01359	1.1E-06	0.01489	1.45E-03	0.000141	0.01674	5.9E-07	1.83E-02	0.001282	0.000108	0.031878	6.1E-07	0.033269
5907	486327.14	3859561.67	0.63179	1.26633	0.6286	0.91341	1.19E-03	0.00011	0.01365	1E-06	0.01495	1.45E-03	0.000136	0.016812	5.71E-07	1.84E-02	0.001283	0.000105	0.032015	5.9E-07	0.033403
5908	486232.72	3859560.89	0.63155	1.51701	0.61406	0.912	1.19E-03	0.00013	0.01333	1E-06	0.01466	1.45E-03	0.000163	0.016423	5.7E-07	1.80E-02	0.001282	0.000125	0.031274	5.89E-07	0.032683
5909	486138.3	3859560.1	0.62635	1.58963	0.60263	0.91576	1.18E-03	0.00014	0.01309	1E-06	0.0144	1.44E-03	0.000171	0.016118	5.73E-07	1.77E-02	0.001272	0.000131	0.030692	5.92E-07	0.032096
5910	486043.88	3859559.32	0.61494	1.49096	0.6072	0.9191	1.16E-03	0.00013	0.01319	1E-06	0.01447	1.42E-03	0.00016	0.01624	5.75E-07	1.78E-02	0.001249	0.000123	0.030925	5.94E-07	0.032297
5911	485949.35	3859463.54	0.62359	1.36877	0.62283	0.96533	1.17E-03	0.00012	0.01353	1.1E-06	0.01482	1.44E-03	0.000147	0.016658	6.04E-07	1.82E-02	0.001266	0.000113	0.031721	6.24E-07	0.033101
5912	485949.24	3859368.55	0.64246	1.33419	0.64887	0.99996	1.21E-03	0.00012	0.01409	1.1E-06	0.01542	1.48E-03	0.000143	0.017354	6.25E-07	1.90E-02	0.001304	0.00011	0.033047	6.46E-07	0.034463
5913	485949.12	3859273.55	0.66401	1.40546	0.66728	1.12076	1.25E-03	0.00012	0.01449	1.3E-06	0.01586	1.53E-03	0.000151	0.017847	7.01E-07	1.95E-02	0.001348	0.000116	0.033985	7.24E-07	0.03545

5914	485949.01	3859178.56	0.70904	1.46612	0.69701	1.25785		1.33E-03	0.00013	0.01514	1.4E-06	0.0166		1.63E-03	0.000158	0.018642	7.87E-07	2.04E-02		0.00144	0.000121	0.035499	8.13E-07	0.037061							
5915	485948.9	3859083.56	0.75411	1.50397	0.72664	1.36413		1.42E-03	0.00013	0.01578	1.5E-06	0.01733		1.74E-03	0.000162	0.019434	8.53E-07	2.13E-02		0.001531	0.000124	0.037008	8.81E-07	0.038665							
5916	485948.79	3858988.56	0.79145	1.56395	0.76098	1.41473		1.49E-03	0.00014	0.01653	1.6E-06	0.01815		1.82E-03	0.000168	0.020353	8.85E-07	2.23E-02		0.001607	0.000129	0.038757	9.14E-07	0.040494							
5917	485948.67	3858893.57	0.83386	1.69184	0.79758	1.48852		1.57E-03	0.00015	0.01732	1.7E-06	0.01904		1.92E-03	0.000182	0.021332	9.31E-07	2.34E-02		0.001693	0.00014	0.040621	9.62E-07	0.042455							
5918	485948.56	3858798.57	0.91037	1.86352	0.85818	1.59865		1.71E-03	0.00016	0.01864	1.8E-06	0.02051		2.10E-03	0.0002	0.022953	1E-06	2.53E-02		0.001848	0.000154	0.043708	1.03E-06	0.045711							
5919	485948.45	3858703.58	0.99266	2.05682	0.91441	1.66359		1.87E-03	0.00018	0.01986	1.9E-06	0.02191		2.29E-03	0.000221	0.024457	1.04E-06	2.70E-02		0.002015	0.00017	0.046571	1.07E-06	0.048758							
5920	485948.34	3858608.58	1.08596	2.33347	0.99507	1.77232		2.04E-03	0.0002	0.02161	2E-06	0.02386		2.50E-03	0.000251	0.026614	1.11E-06	2.94E-02		0.002205	0.000193	0.050679	1.14E-06	0.053079							
5921	485948.22	3858513.59	1.15542	2.61794	1.06748	1.9282		2.17E-03	0.00023	0.02318	2.2E-06	0.02558		2.66E-03	0.000281	0.02855	1.21E-06	3.15E-02		0.002346	0.000217	0.054367	1.25E-06	0.056931							
5922	485948.11	3858418.59	1.23488	2.60452	1.10352	2.06229		2.32E-03	0.00023	0.02396	2.3E-06	0.02652		2.84E-03	0.00028	0.029514	1.29E-06	3.26E-02		0.002507	0.000215	0.056203	1.33E-06	0.058927							
5923	485948	3858323.59	1.29034	2.75763	1.19625	2.18712		2.42E-03	0.00024	0.02598	2.4E-06	0.02865		2.97E-03	0.000296	0.031995	1.37E-06	3.53E-02		0.00262	0.000228	0.060926	1.41E-06	0.063775							
5924	485947.89	3858228.6	1.34563	2.98115	1.35699	2.29688		2.53E-03	0.00026	0.02947	2.6E-06	0.03226		3.10E-03	0.00032	0.036294	1.44E-06	3.97E-02		0.002732	0.000247	0.069112	1.48E-06	0.072092							
5925	485947.77	3858133.6	1.40842	3.16676	1.46848	2.44234		2.65E-03	0.00028	0.03189	2.7E-06	0.03482		3.24E-03	0.00034	0.039275	1.53E-06	4.29E-02		0.00286	0.000262	0.074791	1.58E-06	0.077914							
5926	485947.66	3858038.61	1.5154	3.201	1.56426	2.61689		2.85E-03	0.00028	0.03397	2.9E-06	0.0371		3.49E-03	0.000344	0.041837	1.64E-06	4.57E-02		0.003077	0.000265	0.079669	1.69E-06	0.083012							
5927	485854.54	3857943.35	1.56406	3.63073	1.71198	2.75981		2.94E-03	0.00032	0.03718	3.1E-06	0.04044		3.60E-03	0.00039	0.045788	1.73E-06	4.98E-02		0.003176	0.0003	0.087192	1.78E-06	0.09067							
5928	485761.52	3857943.09	1.51249	3.30327	1.64389	2.65911		2.84E-03	0.00029	0.0357	3E-06	0.03883		3.48E-03	0.000355	0.043967	1.66E-06	4.78E-02		0.003071	0.000273	0.083724	1.72E-06	0.08707							
5929	485668.51	3857942.83	1.47709	2.94847	1.61489	2.55222		2.78E-03	0.00026	0.03507	2.9E-06	0.03811		3.40E-03	0.000317	0.043191	1.6E-06	4.69E-02		0.002999	0.000244	0.082247	1.65E-06	0.085492							
5930	485575.5	3857942.56	1.42949	2.62194	1.57665	2.47599		2.69E-03	0.00023	0.03424	2.8E-06	0.03716		3.29E-03	0.000282	0.042169	1.55E-06	4.57E-02		0.002902	0.000217	0.0803	1.6E-06	0.083421							
5931	485482.48	3857942.3	1.39652	2.4817	1.54691	2.42806		2.62E-03	0.00022	0.03359	2.7E-06	0.03644		3.22E-03	0.000267	0.041373	1.52E-06	4.49E-02		0.002835	0.000205	0.078785	1.57E-06	0.081827							
5932	485389.47	3857942.04	1.38823	2.5004	1.53264	2.3807		2.61E-03	0.00022	0.03328	2.7E-06	0.03611		3.20E-03	0.000269	0.040991	1.49E-06	4.45E-02		0.002819	0.000207	0.078058	1.54E-06	0.081085							
5933	485296.46	3857941.78	1.36552	2.42097	1.52055	2.33522		2.57E-03	0.00021	0.03302	2.6E-06	0.0358		3.14E-03	0.00026	0.040668	1.46E-06	4.41E-02		0.002773	0.0002	0.077442	1.51E-06	0.080417							
5934	485203.45	3857941.52	1.35413	2.26209	1.50748	2.29544		2.54E-03	0.0002	0.03274	2.6E-06	0.03548		3.12E-03	0.000243	0.040319	1.44E-06	4.37E-02		0.002749	0.000187	0.076777	1.48E-06	0.079715							
5935	485110.43	3857941.26	1.33342	2.1172	1.487	2.24208		2.51E-03	0.00019	0.03229	2.5E-06	0.03499		3.07E-03	0.000228	0.039771	1.4E-06	4.31E-02		0.002707	0.000175	0.075734	1.45E-06	0.078618							
5936	485017.42	3857940.99	1.3083	1.94815	1.4793	2.1741		2.46E-03	0.00017	0.03212	2.4E-06	0.03476		3.01E-03	0.000209	0.039565	1.36E-06	4.28E-02		0.002656	0.000161	0.075342	1.4E-06	0.07816							
5937	484924.41	3857940.73	1.28271	1.77051	1.49379	2.0881		2.41E-03	0.00016	0.03244	2.3E-06	0.03501		2.95E-03	0.00019	0.039952	1.31E-06	4.31E-02		0.002604	0.000146	0.07608	1.35E-06	0.078832							
5938	484831.39	3857940.47	1.25997	1.70505	1.49854	2.02752		2.37E-03	0.00015	0.03254	2.3E-06	0.03506		2.90E-03	0.000183	0.040079	1.27E-06	4.32E-02		0.002558	0.000141	0.076321	1.31E-06	0.079022							
5939	484738.12	3857859.3	1.28921	1.59663	1.519	2.09666		2.42E-03	0.00014	0.03299	2.3E-06	0.03555		2.97E-03	0.000172	0.040627	1.31E-06	4.38E-02		0.002618	0.000132	0.077364	1.35E-06	0.080115							
5940	484737.85	3857778.4	1.35879	1.56684	1.61346	2.17442		2.55E-03	0.00014	0.03504	2.4E-06	0.03773		3.13E-03	0.000168	0.043153	1.36E-06	4.65E-02		0.002759	0.00013	0.082174	1.4E-06	0.085064							
5941	484737.59	3857697.49	1.42215	1.63032	1.69244	2.25249		2.67E-03	0.00014	0.03675	2.5E-06	0.03957		3.27E-03	0.000175	0.045265	1.41E-06	4.87E-02		0.002888	0.000135	0.086197	1.46E-06	0.089221							
5942	484737.32	3857616.59	1.48209	1.62828	1.81401	2.3533		2.79E-03	0.00014	0.03939	2.6E-06	0.04232		3.41E-03	0.000175	0.048517	1.47E-06	5.21E-02		0.003009	0.000135	0.092389	1.52E-06	0.095534							
5943	484645.53	3857535.18	1.50574	1.50281	1.8931	2.42819		2.83E-03	0.00013	0.04111	2.7E-06	0.04407		3.47E-03	0.000162	0.050632	1.52E-06	5.43E-02		0.003057	0.000124	0.096417	1.57E-06	0.0996							
5944	484553.99	3857534.67	1.47296	1.41218	1.82836	2.37806		2.77E-03	0.00012	0.0397	2.7E-06	0.0426		3.39E-03	0.000152	0.048901	1.49E-06	5.24E-02		0.002991	0.000117	0.093119	1.54E-06	0.096228							
5945	484462.46	3857534.17	1.43966	1.39608	1.74669	2.32582		2.71E-03	0.00012	0.03793	2.6E-06	0.04076		3.32E-03	0.00015	0.046716	1.45E-06	5.02E-02		0.002923	0.000115	0.08896	1.5E-06	0.092							
5946	484370.93	3857533.66	1.41507	1.37363	1.65254	2.27302		2.66E-03	0.00012	0.03589	2.5E-06	0.03867		3.26E-03	0.000148	0.044198	1.42E-06	4.76E-02		0.002873	0.000114	0.084165	1.47E-06	0.087153							
5947	484279.4	3857533.16	1.39226	1.37497	1.60657	2.22396		2.62E-03	0.00012	0.03489	2.5E-06	0.03763		3.21E-03	0.000148	0.042969	1.39E-06	4.63E-02		0.002827	0.000114	0.081824	1.44E-06	0.084765							
5948	484187.86	3857532.65	1.36801	1.45855	1.58171	2.0906		2.57E-03	0.00013	0.03435	2.3E-06	0.03705		3.15E-03	0.000157	0.042304	1.31E-06	4.56E-02		0.002778	0.000121	0.080557	1.35E-06	0.083457							
5949	484096.33	3857532.15	1.33858	1.4895	1.56143	2.00437		2.52E-03	0.00013	0.03391	2.2E-06	0.03656		3.08E-03	0.00016	0.041762	1.25E-06	4.50E-02		0.002718	0.000123	0.079525	1.29E-06	0.082367							
5950	484004.8	3857531.64	1.30362	1.35305	1.53527	1.9582		2.45E-03	0.00012	0.03334	2.2E-06	0.03591		3.00E-03	0.000145	0.041062	1.22E-06	4.42E-02		0.002647	0.000112	0.078192	1.26E-06	0.080952							
5951	483913.27	3857531.14	1.26486	1.29828	1.50373	1.90344		2.38E-03	0.00011	0.03266	2.1E-06	0.03515		2.91E-03	0.00014	0.040218	1.19E-06	4.33E-02		0.002568	0.000107	0.076586	1.23E-06	0.079263							
5952	483821.73	3857530.63	1.23161	1.44865	1.4787	1.83927		2.31E-03	0.00013	0.03211	2.1E-06	0.03456		2.84E-03	0.000156	0.039549	1.15E-06	4.25E-02		0.002501	0.00012	0.075311	1.19E-06	0.077933							
5953	483729.61	3857450.11	1.23365	1.46793	1.49463	1.8523		2.32E-03	0.00013	0.03246	2.1E-06	0.03491		2.84E-03	0.000158	0.039975	1.16E-06	4.30E-02		0.002505	0.000121	0.076122	1.2E-06	0.07875							
5954	483729.03	3857370.08	1.2756	1.53517	1.54615	1.94151		2.40E-03	0.00013	0.03358	2.2E-06	0.03611		2.94E-03	0.000165	0.041353	1.21E-06	4.45E-02		0.00259	0.000127	0.078746	1.25E-06	0.081464							
5955	483728.44	3857290.06	1.31612	1.57141	1.59749	1.99377		2.47E-03	0.00014	0.03469	2.2E-06	0.0373		3.03E-03	0.000169	0.042726	1.25E-06	4.59E-02		0.002672	0.00013	0.081361	1.29E-06	0.084165							
5956	483727.86	3857210.03	1.36007	1.66701	1.64235	2.04316		2.56E-03	0.00015	0.03567	2.3E-06	0.03837		3.13E-03	0.000179	0.043926	1.28E-06	4.72E-02		0.002761	0.000138	0.083646	1.32E-06	0.086546							
5957	483641.15	3857129.07	1.38189	1.74701	1.66473	2.04426		2.60E-03	0.00015	0.03615	2.3E-06	0.0389		3.18E-03	0.000188	0.044524	1.28E-06	4.79E-02		0.002806	0.000144	0.084786	1.32E-06	0.087737							
5958	483555.03	3857128.14	1.35444	1.80502	1.63721	1.96584		2.55E-03	0.00016	0.03555	2.2E-06	0.03826		3.12E-03	0.000194	0.043788	1.23E-06	4.71E-02		0.00275	0.000149	0.083384	1.27E-06	0.086285							
5959	483468.91	3857127.2	1.31923	1.83609	1.5994	1.92635		2.48E-03	0.00016	0.03473	2.2E-06	0.03737		3.04E-03	0.000197	0.042777	1.2E-06	4.60E-02		0.002679	0.000152	0.081458	1.24E-06	0.08429							
5960	483382.78	3857126.26	1.29502	1.76173	1.57987	1.89111		2.43E-03	0.00015	0.03431	2.1E-06	0.0369		2.98E-03	0.000189	0.042255	1.18E-06	4.54E-02		0.002629	0.000146	0.080464	1.22E-06	0.08324							
5961	483296.66	3857125.32	1.2652	1.67583	1.55309	1.85601		2.38E-03	0.00015	0.03373	2.1E-06	0.03625		2.91E-03	0.00018	0.041538	1.16E-06	4.46E-02		0.002569	0.000139	0.0791	1.2E-06	0.081808							
5962	483210.54	3857124.39	1.23153	1.59737	1.52385	1.75634		2.31E-03	0.00014	0.03309	2E-06	0.03555		2.84E-03	0.000172	0.040756	1.1E-06	4.38E-02		0.0025	0.000132	0.077611	1.13E-06	0.080244							
5963	483123.4	3857030.96	1.25013	1.54271	1.55193	1.6736		2.35E-03	0.00014	0.0337	1.9E-06	0.03619		2.88E-03	0.000166	0.041507	1.05E-06	4.46E-02		0.002538	0.000128	0.079041	1.08E-06	0.081708							
5964	483122.38	3856938.46	1.30747	1.65348	1.62413	1.67819		2.46E-03	0.00015	0.03527	1.9E-06	0.03787		3.01E-03	0.000178	0.043438	1.05E-06	4.66E-02		0.002655	0.000137	0.082718	1.08E-06	0.08551							
5965	483121.35	3856845.97	1.36358	1.69751	1.68846	1.68731		2.56E-03	0.00015	0.03667	1.9E-06	0.03938		3.14E-03	0.000182	0.045159	1.06E-06	4.85E-02		0.002769	0.00014	0.085994	1.09E-06	0.088904							
5966	483120.33	3856753.47	1.40504	1.86717	1.73629	1.71163		2.64E-03	0.00016	0.03771	1.9E-06	0.04051		3.24E-03	0.000201	0.046438	1.07E-06	4.99E-02		0.002853	0.000154	0.08843	1.11E-06	0.091439							
5967	483119.31	3856660.98	1.43581	2.04439	1.75787	1.79648		2.70E-03	0.00018	0.03817	2E-06	0.04105		3.31E-03	0.00022	0.047015	1.12E-06	5.05E-02		0.002915	0.000169	0.089529	1.16E-06	0.092615							
5968	483118.29	3856568.49	1.47198	2.0545	1.79923	1.856		2.77E-03	0.00018	0.03907	2.1E-06	0.04202		3.39E-03	0.000221	0.048122	1.16E-06	5.17E-02		0.002989	0.00017	0.091636	1.2E-06	0.094796							
5969	483117.26	3856475.99	1.51068	2.1021	1.83039	1.88764		2.84E-03	0.00018	0.03975	2.1E-06	0.04277		3.48E-03	0.000226	0.048955	1.18E-06	5.27E-02		0.003067	0.000174	0.093223	1.22E-06	0.096465							
5970	483116.24	3856383.5	1.54172	2.19249	1.8289	1.89641		2.90E-03	0.00019	0.03972	2.1E-06	0.04281		3.55E-03	0.000236	0.048915	1.19E-06	5.27E-02		0.00313	0.000181	0.093147	1.23E-06	0.09646							
5971	483115.22	3856291.01	1.57163	2.31362	1.78733	1.90244		2.95E-03	0.0002	0.03881	2.1E-06	0.04197		3.62E-03	0.000249	0.047803	1.19E-06	5.17E-02		0.003191	0.000191	0.09103	1.23E-06	0.094413							
5972	483114.2	3856198.51	1.614	2.545	1.78638	1.91669		3.03E-03	0.00022	0.03879	2.1E-06	0.04205		3.72E-03	0.000274	0.047778	1.2E-06	5.18E-02		0.003277	0.00021	0.090981	1.24E-06	0.09447							
5973	483113.17	3856106.02	1.6598	2.63473	1.81983	1.89506		3.12E-03	0.00023	0.03952	2.1E-06	0.04287		3.82E-03	0.000283	0.048673	1.19E-06	5.28E-02		0.00337	0.000218	0.092685	1.22E-06	0.096274							
5974	483112.15	3856013.52	1.69458	2.64092	1.87776	1.90627		3.18E-03	0.00023	0.04078	2.1E-06	0.0442		3.90E-03	0.000284	0.050222	1.19E-06	5.44E-02		0.003441	0.000218	0.095635	1.23E-06	0.099296							

5975	483029.25	3855920.47	1.70361	2.78916	1.85889	1.81742		3.20E-03	0.00024	0.04037	2E-06	0.04382		3.92E-03	0.0003	0.049717	1.14E-06	5.39E-02		0.003459	0.000231	0.094674	1.17E-06	0.098365	
5976	482947.37	3855919.91	1.67099	2.6259	1.77095	1.75937		3.14E-03	0.00023	0.03846	2E-06	0.04183		3.85E-03	0.000282	0.047365	1.1E-06	5.15E-02		0.003393	0.000217	0.090195	1.14E-06	0.093807	
5977	482865.49	3855919.36	1.62896	2.3579	1.71672	1.72196		3.06E-03	0.00021	0.03728	1.9E-06	0.04055		3.75E-03	0.000253	0.045915	1.08E-06	4.99E-02		0.003307	0.000195	0.087434	1.11E-06	0.090937	
5978	482783.61	3855918.8	1.56137	2.29686	1.63279	1.66196		2.93E-03	0.0002	0.03546	1.9E-06	0.0386		3.60E-03	0.000247	0.04367	1.04E-06	4.75E-02		0.00317	0.00019	0.083159	1.07E-06	0.08652	
5979	482700.33	3855818.39	1.51777	2.3896	1.62943	1.55393		2.85E-03	0.00021	0.03538	1.7E-06	0.03845		3.50E-03	0.000257	0.04358	9.72E-07	4.73E-02		0.003082	0.000198	0.082988	1E-06	0.086268	
5980	482698.92	3855718.54	1.53927	2.59023	1.65758	1.57337		2.89E-03	0.00023	0.036	1.8E-06	0.03912		3.54E-03	0.000278	0.044333	9.84E-07	4.82E-02		0.003125	0.000214	0.084421	1.02E-06	0.087762	
5981	482697.52	3855618.68	1.53804	2.43591	1.67038	1.57431		2.89E-03	0.00021	0.03627	1.8E-06	0.03938		3.54E-03	0.000262	0.044675	9.85E-07	4.85E-02		0.003123	0.000201	0.085073	1.02E-06	0.088399	
5982	482696.11	3855518.83	1.57526	2.55483	1.68588	1.61211		2.96E-03	0.00022	0.03661	1.8E-06	0.0398		3.63E-03	0.000275	0.04509	1.01E-06	4.90E-02		0.003198	0.000211	0.085863	1.04E-06	0.089274	
5983	482694.71	3855418.98	1.586	2.4489	1.64659	1.55497		2.98E-03	0.00021	0.03576	1.7E-06	0.03895		3.65E-03	0.000263	0.044039	9.73E-07	4.80E-02		0.00322	0.000203	0.083862	1E-06	0.087285	
5984	482693.3	3855319.13	1.62365	2.46635	1.64858	1.46107		3.05E-03	0.00022	0.0358	1.6E-06	0.03907		3.74E-03	0.000265	0.044092	9.14E-07	4.81E-02		0.003297	0.000204	0.083963	9.44E-07	0.087465	
5985	482691.9	3855219.27	1.65015	2.57988	1.67069	1.42997		3.10E-03	0.00023	0.03628	1.6E-06	0.03961		3.80E-03	0.000277	0.044684	8.94E-07	4.88E-02		0.00335	0.000213	0.085089	9.24E-07	0.088654	
5986	482690.49	3855119.42	1.66179	2.5274	1.65961	1.34532		3.12E-03	0.00022	0.03604	1.5E-06	0.03939		3.83E-03	0.000272	0.044387	8.41E-07	4.85E-02		0.003374	0.000209	0.084525	8.69E-07	0.088109	
5987	482689.09	3855019.57	1.71832	3.20481	1.52343	1.33482		3.23E-03	0.00028	0.03308	1.5E-06	0.03659		3.96E-03	0.000345	0.040745	8.35E-07	4.50E-02		0.003489	0.000265	0.077589	8.62E-07	0.081344	
5988	482687.68	3854919.71	1.73873	3.28358	1.42919	1.3		3.27E-03	0.00029	0.03104	1.5E-06	0.03459		4.00E-03	0.000353	0.038225	8.13E-07	4.26E-02		0.00353	0.000272	0.072789	8.4E-07	0.076592	
5989	482686.28	3854819.86	1.80356	3.24681	1.42319	1.38327		3.39E-03	0.00028	0.03091	1.5E-06	0.03458		4.15E-03	0.000349	0.038064	8.65E-07	4.26E-02		0.003662	0.000269	0.072484	8.94E-07	0.076415	
5990	482684.88	3854720.01	1.84304	3.14435	1.33408	1.45955		3.46E-03	0.00028	0.02897	1.6E-06	0.03271		4.24E-03	0.000338	0.035681	9.13E-07	4.03E-02		0.003742	0.00026	0.067945	9.43E-07	0.071949	
5991	482683.47	3854620.16	1.90417	2.91003	1.3945	1.48039		3.58E-03	0.00026	0.03028	1.7E-06	0.03412		4.38E-03	0.000313	0.037297	9.26E-07	4.20E-02		0.003866	0.000241	0.071023	9.56E-07	0.07513	
5992	482682.07	3854520.31	2.02698	2.45995	1.43073	1.41075		3.81E-03	0.00022	0.03107	1.6E-06	0.0351		4.67E-03	0.000264	0.038266	8.82E-07	4.32E-02		0.004116	0.000203	0.072868	9.11E-07	0.077188	
5993	482680.66	3854420.45	2.05406	2.25757	1.40261	1.34338		3.86E-03	0.0002	0.03046	1.5E-06	0.03452		4.73E-03	0.000243	0.037514	8.4E-07	4.25E-02		0.004171	0.000187	0.071436	8.68E-07	0.075794	
5994	482679.26	3854320.6	2.14718	2.26844	1.3306	1.50384		4.03E-03	0.0002	0.0289	1.7E-06	0.03313		4.94E-03	0.000244	0.035588	9.41E-07	4.08E-02		0.00436	0.000188	0.067768	9.71E-07	0.072316	
5995	482677.85	3854220.75	2.33648	2.31175	1.45783	1.59878		4.39E-03	0.0002	0.03166	1.8E-06	0.03625		5.38E-03	0.000249	0.038991	1E-06	4.46E-02		0.004744	0.000191	0.074248	1.03E-06	0.079184	
5996	482676.45	3854120.9	2.40143	2.0217	1.55615	1.59875		4.51E-03	0.00018	0.03379	1.8E-06	0.03849		5.53E-03	0.000217	0.04162	1E-06	4.74E-02		0.004876	0.000167	0.079256	1.03E-06	0.0843	
5997	482675.04	3854021.04	2.59975	2.22933	1.4901	1.43282		4.89E-03	0.0002	0.03236	1.6E-06	0.03744		5.99E-03	0.00024	0.039854	8.96E-07	4.61E-02		0.005278	0.000184	0.075892	9.26E-07	0.081355	
5998	482673.64	3853921.19	2.29438	1.9302	1.41269	1.49024		4.31E-03	0.00017	0.03068	1.7E-06	0.03516		5.28E-03	0.000208	0.037783	9.32E-07	4.33E-02		0.004658	0.00016	0.071949	9.63E-07	0.076768	
5999	482672.23	3853821.34	2.2357	1.9526	1.44287	1.33118		4.20E-03	0.00017	0.03133	1.5E-06	0.03571		5.15E-03	0.00021	0.038591	8.33E-07	4.39E-02		0.004539	0.000161	0.073486	8.6E-07	0.078188	
6000	482670.83	3853721.48	2.21395	1.73116	1.23489	1.27754		4.16E-03	0.00015	0.02682	1.4E-06	0.03113		5.10E-03	0.000186	0.033028	7.99E-07	3.83E-02		0.004495	0.000143	0.062894	8.25E-07	0.067533	
6001	482669.42	3853621.63	2.15871	1.74769	1.18406	1.29038		4.06E-03	0.00015	0.02571	1.4E-06	0.02992		4.97E-03	0.000188	0.031668	8.07E-07	3.68E-02		0.004383	0.000145	0.060305	8.34E-07	0.064833	
6002	482645.99	3853446.13	1.56763	1.72279	1.19011	1.27042		2.95E-03	0.00015	0.02584	1.4E-06	0.02894		3.61E-03	0.000185	0.03183	7.95E-07	3.56E-02		0.003183	0.000142	0.060613	8.21E-07	0.063939	
6003	482623.97	3853370.48	1.44364	1.65147	1.22162	1.30499		2.71E-03	0.00014	0.02653	1.5E-06	0.02939		3.32E-03	0.000178	0.032673	8.16E-07	3.62E-02		0.002931	0.000137	0.062218	8.43E-07	0.065286	
6004	482601.94	3853294.84	1.32968	1.56722	1.22502	1.39478		2.50E-03	0.00014	0.0266	1.6E-06	0.02924		3.06E-03	0.000168	0.032764	8.72E-07	3.60E-02		0.0027	0.00013	0.062391	9.01E-07	0.065221	
6005	482531.29	3853133.44	1.18715	1.45346	1.21273	1.46171		2.23E-03	0.00013	0.02634	1.6E-06	0.0287		2.73E-03	0.000156	0.032435	9.14E-07	3.53E-02		0.00241	0.00012	0.061765	9.44E-07	0.064297	
6006	482482.68	3853047.69	1.16629	1.39367	1.17214	1.40347		2.19E-03	0.00012	0.02545	1.6E-06	0.02777		2.69E-03	0.00015	0.03135	8.78E-07	3.42E-02		0.002368	0.000115	0.059698	9.07E-07	0.062182	
6007	482383.09	3852897.4	1.03967	1.278	1.11291	1.3433		1.95E-03	0.00011	0.02417	1.5E-06	0.02624		2.39E-03	0.000137	0.029766	8.4E-07	3.23E-02		0.002111	0.000106	0.056681	8.68E-07	0.058899	
6008	482265.64	3852765.26	0.92226	1.2087	1.06889	1.31392		1.73E-03	0.00011	0.02321	1.5E-06	0.02505		2.12E-03	0.00013	0.028588	8.22E-07	3.08E-02		0.001873	1E-04	0.054439	8.49E-07	0.056413	
6009	482199.16	3852697.66	0.88759	1.18077	1.04349	1.2911		1.67E-03	0.0001	0.02266	1.4E-06	0.02443		2.04E-03	0.000127	0.027909	8.08E-07	3.01E-02		0.001802	9.76E-05	0.053146	8.34E-07	0.055046	
6010	482132.69	3852630.07	0.86908	1.15574	1.02053	1.26247		1.63E-03	0.0001	0.02216	1.4E-06	0.0239		2.00E-03	0.000124	0.027295	7.9E-07	2.94E-02		0.001765	9.56E-05	0.051976	8.16E-07	0.053837	
6011	482066.21	3852562.48	0.85242	1.13022	0.99752	1.234		1.60E-03	9.9E-05	0.02166	1.4E-06	0.02336		1.96E-03	0.000122	0.026679	7.72E-07	2.88E-02		0.001731	9.35E-05	0.050804	7.97E-07	0.052629	
6012	481999.74	3852494.89	0.83492	1.1039	0.97411	1.21222		1.57E-03	9.7E-05	0.02115	1.4E-06	0.02282		1.92E-03	0.000119	0.026053	7.58E-07	2.81E-02		0.001695	9.13E-05	0.049612	7.83E-07	0.051399	
6013	481933.26	3852427.29	0.81809	1.07891	0.95156	1.19091		1.54E-03	9.5E-05	0.02066	1.3E-06	0.0223		1.88E-03	0.000116	0.02545	7.45E-07	2.75E-02		0.001661	8.92E-05	0.048463	7.69E-07	0.050215	
6014	481866.79	3852359.7	0.80464	1.06099	0.92988	1.1751		1.51E-03	9.3E-05	0.02019	1.3E-06	0.0218		1.85E-03	0.000114	0.02487	7.35E-07	2.68E-02		0.001634	8.77E-05	0.047359	7.59E-07	0.049082	
6015	481800.31	3852292.11	0.79204	1.04395	0.90772	1.16003		1.49E-03	9.2E-05	0.01971	1.3E-06	0.02129		1.82E-03	0.000112	0.024278	7.26E-07	2.62E-02		0.001608	8.63E-05	0.046231	7.49E-07	0.047926	
6016	481733.84	3852224.52	0.77882	1.02611	0.88555	1.14366		1.46E-03	9E-05	0.01923	1.3E-06	0.02079		1.79E-03	0.00011	0.023685	7.15E-07	2.56E-02		0.001581	8.49E-05	0.045102	7.39E-07	0.046768	
6017	481667.36	3852156.92	0.76095	1.01123	0.8657	1.12961		1.43E-03	8.9E-05	0.0188	1.3E-06	0.02032		1.75E-03	0.000109	0.023154	7.07E-07	2.50E-02		0.001545	8.36E-05	0.044091	7.3E-07	0.04572	
6018	481600.89	3852089.33	0.73587	0.98855	0.84235	1.11004		1.38E-03	8.7E-05	0.01829	1.2E-06	0.01976		1.69E-03	0.000106	0.022529	6.94E-07	2.43E-02		0.001494	8.18E-05	0.042901	7.17E-07	0.044478	
6019	481534.41	3852021.74	0.71204	0.96144	0.81907	1.09101		1.34E-03	8.4E-05	0.01779	1.2E-06	0.01921		1.64E-03	0.000103	0.021907	6.82E-07	2.37E-02		0.001446	7.95E-05	0.041716	7.05E-07	0.043242	
6020	481467.94	3851954.15	0.69126	0.93431	0.79873	1.07505		1.30E-03	8.2E-05	0.01735	1.2E-06	0.01873		1.59E-03	0.0001	0.021363	6.72E-07	2.31E-02		0.001404	7.73E-05	0.04068	6.94E-07	0.042161	
6021	481401.46	3851886.55	0.67402	0.91492	0.78244	1.06112		1.27E-03	8E-05	0.01699	1.2E-06	0.01834		1.55E-03	9.84E-05	0.020927	6.64E-07	2.26E-02		0.001369	7.57E-05	0.03985	6.85E-07	0.041295	
6022	481265.87	3851761.43	0.64022	0.87686	0.75487	1.0215		1.20E-03	7.7E-05	0.01639	1.1E-06	0.01767		1.47E-03	9.43E-05	0.02019	6.39E-07	2.18E-02		0.0013	7.25E-05	0.038446	6.6E-07	0.039819	
6023	481196.74	3851703.89	0.62676	0.86324	0.74977	1.00444		1.18E-03	7.6E-05	0.01628	1.1E-06	0.01754		1.44E-03	9.28E-05	0.020053	6.28E-07	2.16E-02		0.001273	7.14E-05	0.038186	6.49E-07	0.039531	
6024	481076.33	3851619.04	0.63059	0.84016	0.73134	0.93809		1.19E-03	7.4E-05	0.01588	1E-06	0.01714		1.45E-03	9.03E-05	0.01956	5.87E-07	2.11E-02		0.00128	6.95E-05	0.037248	6.06E-07	0.038598	
6025	480939.8	3851549.07	0.63445	0.82661	0.71172	0.90687		1.19E-03	7.3E-05	0.01546	1E-06	0.01672		1.46E-03	8.89E-05	0.019035	5.67E-07	2.06E-02		0.001288	6.84E-05	0.036248	5.86E-07	0.037605	
6026	480854.56	3851506.41	0.6169	0.81439	0.6915	0.84716		1.16E-03	7.1E-05	0.01502	9.5E-07	0.01625		1.42E-03	8.75E-05	0.018495	5.3E-07	2.00E-02		0.001253	6.73E-05	0.035218	5.47E-07	0.036539	
6027	480769.32	3851463.75	0.60165	0.79973	0.66499	0.77794		1.13E-03	7E-05	0.01444	8.7E-07	0.01564		1.39E-03	8.6E-05	0.017786	4.87E-07	1.93E-02		0.001222	6.61E-05	0.033868	5.03E-07	0.035157	
6028	480684.08	3851421.08	0.57953	0.77417	0.67013	0.81352		1.09E-03	6.8E-05	0.01455	9.1E-07	0.01571		1.33E-03	8.32E-05	0.017923	5.09E-07	1.93E-02		0.001177	6.4E-05	0.03413	5.26E-07	0.035371	
6029	480598.84	3851378.42	0.58191	0.75931	0.59735	0.85538		1.09E-03	6.7E-05	0.01297	9.6E-07	0.01413		1.34E-03	8.16E-05	0.015977	5.35E-07	1.74E-02		0.001181	6.28E-05	0.030423	5.53E-07	0.031668	
6030	480435.71	3851275.01	0.56453	0.7144	0.57676	0.78783		1.06E-03	6.3E-05	0.01252	8.8E-07	0.01365		1.30E-03	7.68E-05	0.015426	4.93E-07	1.68E-02		0.001146	5.91E-05	0.029375	5.09E-07	0.030581	
6031	480347.85	3851232.36	0.55605	0.72667	0.55793	0.7231		1.04E-03	6.4E-05	0.01212	8.1E-07	0.01323		1.28E-03	7.81E-05	0.014922	4.52E-07	1.63E-02		0.001129	6.01E-05	0.028416	4.67E-07	0.029605	
6032	480260	3851189.72	0.54463	0.71658	0.55812	0.70158		1.02E-03	6.3E-05	0.01212	7.8E-07	0.01321		1.25E-03	7.7E-05	0.014927	4.39E-07	1.63E-02		0.001106	5.93E-05	0.028425	4.53E-07	0.029591	
6033	480172.15	3851147.07	0.52698	0.69083	0.54563	0.67811		9.90E-04	6.1E-05	0.01185	7.6E-07	0.0129		1.21E-03	7.43E-05	0.014593	4.24E-07	1.59E-02		0.00107	5.71E-05	0.027789	4.38E-07	0.028917	
6034	480084.29	3851104.42	0.51442	0.65156	0.53365	0.66459		9.67E-04	5.7E-05	0.01159	7.4E-07	0.01261		1.18E-03	7E-05	0.014273	4.16E-07	1.55E-02		0.001044	5.39E-05	0.027179	4.29E-07	0.028278	
6035	479996.44	3851061.77	0.49692	0.64389	0.52758	0.67448		9.34E-04	5.6E-05	0.01146	7.5E-07	0.01245		1.14E-03	6.92E-05	0.01411	4.22E-07	1.53E-02		0.001009	5.32E-05	0.02687	4.36E-07	0.027933	

6036	479908.58	3851019.13	0.51067	0.61412	0.52034	0.67409	9.60E-04	5.4E-05	0.0113	7.5E-07	0.01231	1.18E-03	6.6E-05	0.013917	4.22E-07	1.52E-02	0.001037	5.08E-05	0.026501	4.35E-07	0.027589
6037	479820.73	3850976.48	0.48595	0.57976	0.51652	0.66397	9.13E-04	5.1E-05	0.01122	7.4E-07	0.01218	1.12E-03	6.23E-05	0.013815	4.15E-07	1.50E-02	0.000987	4.79E-05	0.026307	4.29E-07	0.027342
6038	479732.88	3850933.83	0.4696	0.56653	0.50904	0.64471	8.82E-04	5E-05	0.01105	7.2E-07	0.01199	1.08E-03	6.09E-05	0.013615	4.03E-07	1.48E-02	0.000953	4.69E-05	0.025926	4.16E-07	0.026926
6039	479645.02	3850891.18	0.46596	0.5628	0.49673	0.61757	8.76E-04	4.9E-05	0.01079	6.9E-07	0.01171	1.07E-03	6.05E-05	0.013285	3.86E-07	1.44E-02	0.000946	4.65E-05	0.025299	3.99E-07	0.026292
6040	479557.17	3850848.54	0.45831	0.54408	0.47993	0.55063	8.61E-04	4.8E-05	0.01042	6.2E-07	0.01133	1.06E-03	5.85E-05	0.012836	3.44E-07	1.40E-02	0.000931	4.5E-05	0.024443	3.56E-07	0.025419
6041	479469.32	3850805.89	0.44881	0.51271	0.46488	0.47463	8.43E-04	4.5E-05	0.0101	5.3E-07	0.01098	1.03E-03	5.51E-05	0.012434	2.97E-07	1.35E-02	0.000911	4.24E-05	0.023677	3.07E-07	0.024631
6042	479381.46	3850763.24	0.43655	0.49863	0.43012	0.47116	8.20E-04	4.4E-05	0.00934	5.3E-07	0.01021	1.01E-03	5.36E-05	0.011504	2.95E-07	1.26E-02	0.000886	4.12E-05	0.021906	3.04E-07	0.022834
6043	479293.61	3850720.59	0.41925	0.48166	0.41124	0.46538	7.88E-04	4.2E-05	0.00893	5.2E-07	0.00976	9.65E-04	5.18E-05	0.010999	2.91E-07	1.20E-02	0.000851	3.98E-05	0.020945	3.01E-07	0.021836
6044	479205.76	3850677.95	0.40239	0.46284	0.38712	0.45418	7.56E-04	4.1E-05	0.00841	5.1E-07	0.0092	9.27E-04	4.98E-05	0.010354	2.84E-07	1.13E-02	0.000817	3.83E-05	0.019716	2.93E-07	0.020572
6045	479117.9	3850635.3	0.38302	0.44195	0.37364	0.43824	7.20E-04	3.9E-05	0.00811	4.9E-07	0.00887	8.82E-04	4.75E-05	0.009993	2.74E-07	1.09E-02	0.000778	3.65E-05	0.01903	2.83E-07	0.019844
6046	479030.05	3850592.65	0.37263	0.43987	0.3806	0.42459	7.00E-04	3.9E-05	0.00827	4.7E-07	0.009	8.58E-04	4.73E-05	0.010179	2.66E-07	1.11E-02	0.000757	3.64E-05	0.019384	2.74E-07	0.020177
6047	478942.19	3850550	0.36088	0.45045	0.379	0.45111	6.78E-04	4E-05	0.00823	5E-07	0.00895	8.31E-04	4.84E-05	0.010137	2.82E-07	1.10E-02	0.000733	3.73E-05	0.019303	2.91E-07	0.020073
6048	478854.34	3850507.36	0.35956	0.43979	0.39743	0.46432	6.76E-04	3.9E-05	0.00863	5.2E-07	0.00935	8.28E-04	4.73E-05	0.01063	2.9E-07	1.15E-02	0.00073	3.64E-05	0.020241	3E-07	0.021008
6049	478766.49	3850464.71	0.36188	0.4663	0.4123	0.46312	6.80E-04	4.1E-05	0.00895	5.2E-07	0.00967	8.33E-04	5.01E-05	0.011027	2.9E-07	1.19E-02	0.000735	3.86E-05	0.020999	2.99E-07	0.021772
6050	478678.63	3850422.06	0.36478	0.46624	0.42058	0.46311	6.85E-04	4.1E-05	0.00913	5.2E-07	0.00986	8.40E-04	5.01E-05	0.011249	2.9E-07	1.21E-02	0.000741	3.86E-05	0.02142	2.99E-07	0.0222
6051	478590.78	3850379.41	0.37349	0.46501	0.42305	0.45	7.02E-04	4.1E-05	0.00919	5E-07	0.00993	8.60E-04	5E-05	0.011315	2.81E-07	1.22E-02	0.000758	3.85E-05	0.021546	2.91E-07	0.022343
6052	478502.93	3850336.77	0.38355	0.45924	0.41327	0.46491	7.21E-04	4E-05	0.00897	5.2E-07	0.00974	8.83E-04	4.94E-05	0.011053	2.91E-07	1.20E-02	0.000779	3.8E-05	0.021048	3E-07	0.021865
6053	478415.07	3850294.12	0.38038	0.44999	0.4164	0.47925	7.15E-04	3.9E-05	0.00904	5.4E-07	0.0098	8.76E-04	4.84E-05	0.011137	3E-07	1.21E-02	0.000772	3.72E-05	0.021207	3.1E-07	0.022017
6054	478327.22	3850251.47	0.38712	0.45666	0.4212	0.42741	7.27E-04	4E-05	0.00915	4.8E-07	0.00991	8.91E-04	4.91E-05	0.011265	2.67E-07	1.22E-02	0.000786	3.78E-05	0.021452	2.76E-07	0.022276
6055	478239.36	3850208.82	0.39081	0.45923	0.4244	0.39349	7.34E-04	4E-05	0.00922	4.4E-07	0.00999	9.00E-04	4.94E-05	0.011351	2.46E-07	1.23E-02	0.000793	3.8E-05	0.021615	2.54E-07	0.022447
6056	478151.51	3850166.18	0.38915	0.45804	0.39678	0.40886	7.31E-04	4E-05	0.00862	4.6E-07	0.00939	8.96E-04	4.92E-05	0.010612	2.56E-07	1.16E-02	0.00079	3.79E-05	0.020208	2.64E-07	0.021036
6057	478063.66	3850123.53	0.38056	0.45417	0.37657	0.39439	7.15E-04	4E-05	0.00818	4.4E-07	0.00893	8.76E-04	4.88E-05	0.010072	2.47E-07	1.10E-02	0.000773	3.76E-05	0.019179	2.55E-07	0.019989
6058	477975.8	3850080.88	0.36512	0.40206	0.36182	0.40051	6.86E-04	3.5E-05	0.00786	4.5E-07	0.00858	8.41E-04	4.32E-05	0.009677	2.5E-07	1.06E-02	0.000741	3.32E-05	0.018428	2.59E-07	0.019203
6059	477887.95	3850038.23	0.35586	0.39218	0.3618	0.42156	6.69E-04	3.4E-05	0.00786	4.7E-07	0.00856	8.19E-04	4.22E-05	0.009677	2.64E-07	1.05E-02	0.000723	3.24E-05	0.018427	2.72E-07	0.019182
6060	477800.1	3849995.59	0.34312	0.38229	0.35635	0.44104	6.45E-04	3.4E-05	0.00774	4.9E-07	0.00842	7.90E-04	4.11E-05	0.009531	2.76E-07	1.04E-02	0.000697	3.16E-05	0.018149	2.85E-07	0.018878
6061	477712.24	3849952.94	0.33512	0.37926	0.34783	0.43763	6.30E-04	3.3E-05	0.00755	4.9E-07	0.00822	7.72E-04	4.08E-05	0.009303	2.74E-07	1.01E-02	0.00068	3.14E-05	0.017715	2.83E-07	0.018427
6062	477624.39	3849910.29	0.32665	0.37019	0.33459	0.41925	6.14E-04	3.2E-05	0.00727	4.7E-07	0.00791	7.52E-04	3.98E-05	0.008949	2.62E-07	9.74E-03	0.000663	3.06E-05	0.017041	2.71E-07	0.017735
6063	477536.54	3849867.64	0.31643	0.3732	0.32269	0.39981	5.95E-04	3.3E-05	0.00701	4.5E-07	0.00764	7.29E-04	4.01E-05	0.008631	2.5E-07	9.40E-03	0.000642	3.09E-05	0.016435	2.58E-07	0.017108
6064	477448.68	3849825	0.31121	0.35205	0.31603	0.37931	5.85E-04	3.1E-05	0.00686	4.2E-07	0.00748	7.17E-04	3.78E-05	0.008452	2.37E-07	9.21E-03	0.000632	2.91E-05	0.016096	2.45E-07	0.016757
6065	477360.83	3849782.35	0.30331	0.34102	0.30474	0.38816	5.70E-04	3E-05	0.00662	4.3E-07	0.00722	6.98E-04	3.67E-05	0.00815	2.43E-07	8.89E-03	0.000616	2.82E-05	0.015521	2.51E-07	0.016165
6066	477272.97	3849739.7	0.29787	0.33611	0.30828	0.36732	5.60E-04	2.9E-05	0.00669	4.1E-07	0.00728	6.86E-04	3.61E-05	0.008245	2.3E-07	8.97E-03	0.000605	2.78E-05	0.015701	2.37E-07	0.016334
6067	477185.12	3849697.05	0.28855	0.33975	0.30616	0.36247	5.42E-04	3E-05	0.00665	4E-07	0.00722	6.64E-04	3.65E-05	0.008188	2.27E-07	8.89E-03	0.000586	2.81E-05	0.015593	2.34E-07	0.016207
6068	477097.27	3849654.41	0.28187	0.34642	0.29318	0.34695	5.30E-04	3E-05	0.00637	3.9E-07	0.00693	6.49E-04	3.72E-05	0.007841	2.17E-07	8.53E-03	0.000572	2.86E-05	0.014932	2.24E-07	0.015533
6069	477009.41	3849611.76	0.28686	0.34839	0.30378	0.31469	5.39E-04	3.1E-05	0.0066	3.5E-07	0.00717	6.61E-04	3.75E-05	0.008125	1.97E-07	8.82E-03	0.000582	2.88E-05	0.015472	2.03E-07	0.016083
6070	476841.49	3849530.08	0.2954	0.35335	0.32263	0.30637	5.55E-04	3.1E-05	0.00701	3.4E-07	0.00759	6.80E-04	3.8E-05	0.008629	1.92E-07	9.35E-03	0.0006	2.92E-05	0.016432	1.98E-07	0.017061
6071	476761.41	3849491.05	0.29708	0.35416	0.32941	0.29251	5.58E-04	3.1E-05	0.00715	3.3E-07	0.00774	6.84E-04	3.81E-05	0.00881	1.83E-07	9.53E-03	0.000603	2.93E-05	0.016777	1.89E-07	0.01741
6072	476681.34	3849452.02	0.30299	0.37298	0.32669	0.30498	5.69E-04	3.3E-05	0.00709	3.4E-07	0.0077	6.98E-04	4.01E-05	0.008738	1.91E-07	9.48E-03	0.000615	3.08E-05	0.016639	1.97E-07	0.017285
6073	476601.26	3849412.99	0.31147	0.37106	0.31388	0.31478	5.85E-04	3.3E-05	0.00682	3.5E-07	0.00743	7.17E-04	3.99E-05	0.008395	1.97E-07	9.15E-03	0.000632	3.07E-05	0.015986	2.03E-07	0.016649
6074	476456.32	3849353.67	0.31054	0.3672	0.31746	0.32382	5.84E-04	3.2E-05	0.00689	3.6E-07	0.00751	7.15E-04	3.95E-05	0.008491	2.03E-07	9.25E-03	0.000631	3.04E-05	0.016168	2.09E-07	0.01683
6075	476305.43	3849318.83	0.32184	0.38003	0.3346	0.33102	6.05E-04	3.3E-05	0.00727	3.7E-07	0.0079	7.41E-04	4.09E-05	0.008949	2.07E-07	9.73E-03	0.000653	3.14E-05	0.017041	2.14E-07	0.017726
6076	476129.36	3849289.99	0.30996	0.37408	0.34036	0.34644	5.82E-04	3.3E-05	0.00739	3.9E-07	0.00801	7.14E-04	4.02E-05	0.009103	2.17E-07	9.86E-03	0.000629	3.09E-05	0.017335	2.24E-07	0.017995
6077	476039.31	3849275.68	0.30345	0.37446	0.33355	0.36431	5.70E-04	3.3E-05	0.00724	4.1E-07	0.00785	6.99E-04	4.03E-05	0.008921	2.28E-07	9.66E-03	0.000616	3.1E-05	0.016988	2.35E-07	0.017635
6078	475949.26	3849261.38	0.30848	0.3942	0.34113	0.36886	5.80E-04	3.5E-05	0.00741	4.1E-07	0.00802	7.10E-04	4.24E-05	0.009124	2.31E-07	9.88E-03	0.000626	3.26E-05	0.017374	2.38E-07	0.018033
6079	475859.21	3849247.08	0.31375	0.36933	0.32017	0.3459	5.90E-04	3.2E-05	0.00695	3.9E-07	0.00758	7.23E-04	3.97E-05	0.008563	2.16E-07	9.33E-03	0.000637	3.05E-05	0.016306	2.23E-07	0.016974
6080	475769.16	3849232.77	0.29499	0.34582	0.33714	0.30173	5.54E-04	3E-05	0.00732	3.4E-07	0.00791	6.79E-04	3.72E-05	0.009017	1.89E-07	9.73E-03	0.000599	2.86E-05	0.017171	1.95E-07	0.017798
6081	475585.22	3849219.27	0.29902	0.35349	0.35746	0.24292	5.62E-04	3.1E-05	0.00776	2.7E-07	0.00836	6.89E-04	3.8E-05	0.009561	1.52E-07	1.03E-02	0.000607	2.92E-05	0.018206	1.57E-07	0.018842
6082	475444.49	3849150.35	0.31289	0.3653	0.3413	0.2862	5.88E-04	3.2E-05	0.00741	3.2E-07	0.00803	7.21E-04	3.93E-05	0.009128	1.79E-07	9.89E-03	0.000635	3.02E-05	0.017383	1.85E-07	0.018048
6083	475334.17	3849118.71	0.29537	0.34063	0.34353	0.29797	5.55E-04	3E-05	0.00746	3.3E-07	0.00805	6.80E-04	3.66E-05	0.009188	1.86E-07	9.90E-03	0.0006	2.82E-05	0.017496	1.92E-07	0.018124
6084	475230.47	3849060.56	0.29265	0.33061	0.33933	0.29087	5.50E-04	2.9E-05	0.00737	3.2E-07	0.00795	6.74E-04	3.55E-05	0.009076	1.82E-07	9.79E-03	0.000594	2.73E-05	0.017282	1.88E-07	0.017904
6085	475110.86	3848960.97	0.28917	0.33492	0.33631	0.29149	5.43E-04	2.9E-05	0.0073	3.3E-07	0.00788	6.66E-04	3.6E-05	0.008995	1.82E-07	9.70E-03	0.000587	2.77E-05	0.017128	1.88E-07	0.017743
6086	475037.79	3848896.28	0.2913	0.33894	0.32876	0.28253	5.47E-04	3E-05	0.00714	3.2E-07	0.00772	6.71E-04	3.64E-05	0.008793	1.77E-07	9.50E-03	0.000591	2.8E-05	0.016744	1.83E-07	0.017364
6087	474964.72	3848831.59	0.29314	0.34075	0.31685	0.27225	5.51E-04	3E-05	0.00688	3E-07	0.00746	6.75E-04	3.66E-05	0.008474	1.7E-07	9.19E-03	0.000595	2.82E-05	0.016137	1.76E-07	0.016761
6088	474891.65	3848766.9	0.28553	0.33003	0.32293	0.26668	5.37E-04	2.9E-05	0.00701	3E-07	0.00758	6.58E-04	3.55E-05	0.008637	1.67E-07	9.33E-03	0.00058	2.73E-05	0.016447	1.72E-07	0.017054
6089	474818.58	3848702.21	0.27749	0.3292	0.32516	0.27164	5.21E-04	2.9E-05	0.00706	3E-07	0.00761	6.39E-04	3.54E-05	0.008697	1.7E-07	9.37E-03	0.000563	2.72E-05	0.016561	1.75E-07	0.017151
6090	474745.51	3848637.53	0.2771	0.32996	0.30917	0.27525	5.21E-04	2.9E-05	0.00671	3.1E-07	0.00726	6.38E-04	3.55E-05	0.008269	1.72E-07	8.94E-03	0.000563	2.73E-05	0.015746	1.78E-07	0.016336
6091	474672.44	3848572.84	0.27288	0.33119	0.30675	0.2693	5.13E-04	2.9E-05	0.00666	3E-07	0.0072	6.28E-04	3.56E-05	0.008204	1.68E-07	8.87E-03	0.000554	2.74E-05	0.015623	1.74E-07	0.016205
6092	474599.37	3848508.15	0.2655	0.32606	0.30287	0.2512	4.99E-04	2.9E-05	0.00658	2.8E-07	0.0071	6.11E-04	3.51E-05	0.0081	1.57E-07	8.75E-03	0.000539	2.7E-05	0.015425	1.62E-07	0.015992
6093	474526.3	3848443.46	0.25667	0.31429	0.29688	0.24092	4.82E-04	2.8E-05	0.00645	2.7E-07	0.00696	5.91E-04	3.38E-05	0.00794	1.51E-07	8.57E-03	0.000521	2.6E-05	0.01512	1.56E-07	0.015668

			PM2.5				2028 - RD					2033 - RD					2048 - RD				
			Period				Rates	1.82E-03	8.51E-05	5.31E-03	1.07E-06	Ra	2.23E-03	1.04E-04	6.50E-03	5.97E-07	Ra	1.97E-03	8.02E-05	1.40E-02	6.17E-07
			Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]					Concentration [ug/m^3]					Concentration [ug/m^3]			
	X	Y	IMF (SLINE	IMF-Idle (I	IMF-Truck	IMF-Truck-Idle (PAREA5)		IMF	IMF-Idle	IMF-Truck	IMF-Truck	Total	IMF	IMF-Idle	IMF-Trucks	IMF-Truck-	Total	IMF	IMF-Idle	IMF-Trucks	IMF-Truck-
1	485973.61	3854936.51	0.56545	0.92316	0.52793	0.11872		1.03E-03	7.9E-05	0.0028	1.3E-07	3.91E-03	1.26E-03	9.62645E-05	0.003429	7.09E-08	4.79E-03	1.11E-03	7.41E-05	0.007385	7.32E-08
2	486023.61	3854936.51	0.54187	0.87109	0.50802	0.11883		9.88E-04	7.4E-05	0.0027	1.3E-07	0.00376	1.21E-03	9.08348E-05	0.0033	7.09E-08	4.60E-03	0.001067	6.99E-05	0.007107	7.33E-08
3	486073.61	3854936.51	0.52404	0.82972	0.49386	0.1195		9.55E-04	7.1E-05	0.00262	1.3E-07	0.00365	1.17E-03	8.65209E-05	0.003208	7.13E-08	4.46E-03	0.001032	6.66E-05	0.006909	7.37E-08
4	486123.61	3854936.51	0.4966	0.77466	0.46897	0.11843		9.05E-04	6.6E-05	0.00249	1.3E-07	0.00346	1.11E-03	8.07794E-05	0.003046	7.07E-08	4.24E-03	0.000978	6.21E-05	0.00656	7.3E-08
5	486173.61	3854936.51	0.48688	0.74852	0.46263	0.11974		8.87E-04	6.4E-05	0.00246	1.3E-07	0.00341	1.09E-03	7.80535E-05	0.003005	7.15E-08	4.17E-03	0.000959	6E-05	0.006472	7.38E-08
6	486223.61	3854936.51	0.46834	0.71014	0.4465	0.11944		8.54E-04	6E-05	0.00237	1.3E-07	0.00329	1.05E-03	7.40514E-05	0.0029	7.13E-08	4.02E-03	0.000922	5.7E-05	0.006246	7.36E-08
7	486273.61	3854936.51	0.45363	0.67881	0.43418	0.11951		8.27E-04	5.8E-05	0.00231	1.3E-07	0.00319	1.01E-03	7.07844E-05	0.00282	7.13E-08	3.90E-03	0.000893	5.45E-05	0.006074	7.37E-08
8	486323.61	3854936.51	0.44057	0.65093	0.42338	0.11963		8.03E-04	5.5E-05	0.00225	1.3E-07	0.00311	9.84E-04	6.78771E-05	0.00275	7.14E-08	3.80E-03	0.000868	5.22E-05	0.005923	7.38E-08
9	485973.61	3854986.51	0.61272	0.95261	0.59739	0.1427		1.12E-03	8.1E-05	0.00317	1.5E-07	0.00437	1.37E-03	9.93355E-05	0.00388	8.52E-08	5.35E-03	0.001207	7.64E-05	0.008357	8.8E-08
10	486023.61	3854986.51	0.58911	0.90218	0.57621	0.14251		1.07E-03	7.7E-05	0.00306	1.5E-07	0.00421	1.32E-03	9.40768E-05	0.003743	8.51E-08	5.15E-03	0.00116	7.24E-05	0.008061	8.79E-08
11	486073.61	3854986.51	0.56397	0.85092	0.55299	0.1417		1.03E-03	7.2E-05	0.00294	1.5E-07	0.00404	1.26E-03	8.87315E-05	0.003592	8.46E-08	4.94E-03	0.001111	6.83E-05	0.007736	8.74E-08
12	486123.61	3854986.51	0.54084	0.80421	0.53164	0.1408		9.86E-04	6.8E-05	0.00282	1.5E-07	0.00388	1.21E-03	8.38607E-05	0.003453	8.4E-08	4.75E-03	0.001065	6.45E-05	0.007437	8.68E-08
13	486173.61	3854986.51	0.52513	0.76969	0.51816	0.14092		9.57E-04	6.5E-05	0.00275	1.5E-07	0.00378	1.17E-03	8.02611E-05	0.003366	8.41E-08	4.62E-03	0.001034	6.17E-05	0.007249	8.69E-08
14	486223.61	3854986.51	0.50391	0.72866	0.49819	0.13978		9.19E-04	6.2E-05	0.00265	1.5E-07	0.00363	1.13E-03	7.59826E-05	0.003236	8.34E-08	4.44E-03	0.000992	5.85E-05	0.006969	8.62E-08
15	486273.61	3854986.51	0.48248	0.68885	0.47777	0.13831		8.79E-04	5.9E-05	0.00254	1.5E-07	0.00348	1.08E-03	7.18313E-05	0.003103	8.25E-08	4.25E-03	0.00095	5.53E-05	0.006684	8.53E-08
16	486323.61	3854986.51	0.47536	0.66995	0.47292	0.13924		8.66E-04	5.7E-05	0.00251	1.5E-07	0.00344	1.06E-03	6.98605E-05	0.003072	8.31E-08	4.20E-03	0.000936	5.37E-05	0.006616	8.59E-08
17	485973.61	3855036.51	0.66417	0.97186	0.67378	0.17187		1.21E-03	8.3E-05	0.00358	1.8E-07	0.00487	1.48E-03	0.000101343	0.004376	1.03E-07	5.96E-03	0.001308	7.8E-05	0.009426	1.06E-07
18	486023.61	3855036.51	0.63587	0.91748	0.64596	0.17021		1.16E-03	7.8E-05	0.00343	1.8E-07	0.00467	1.42E-03	9.56722E-05	0.004196	1.02E-07	5.71E-03	0.001252	7.36E-05	0.009036	1.05E-07
19	486073.61	3855036.51	0.60502	0.86107	0.61495	0.16766		1.10E-03	7.3E-05	0.00327	1.8E-07	0.00444	1.35E-03	8.97899E-05	0.003994	1E-07	5.44E-03	0.001192	6.91E-05	0.008603	1.03E-07
20	486123.61	3855036.51	0.58038	0.81477	0.59082	0.1659		1.06E-03	6.9E-05	0.00314	1.8E-07	0.00427	1.30E-03	8.49619E-05	0.003838	9.9E-08	5.22E-03	0.001143	6.54E-05	0.008265	1.02E-07
21	486173.61	3855036.51	0.56333	0.78002	0.57505	0.16527		1.03E-03	6.6E-05	0.00306	1.8E-07	0.00415	1.26E-03	8.13383E-05	0.003735	9.86E-08	5.07E-03	0.001109	6.26E-05	0.008044	1.02E-07
22	486223.61	3855036.51	0.53749	0.73497	0.54896	0.16257		9.80E-04	6.3E-05	0.00292	1.7E-07	0.00396	1.20E-03	7.66406E-05	0.003566	9.7E-08	4.84E-03	0.001059	5.9E-05	0.007679	1E-07
23	486273.61	3855036.51	0.52426	0.70776	0.53697	0.16216		9.56E-04	6E-05	0.00285	1.7E-07	0.00387	1.17E-03	7.38032E-05	0.003488	9.68E-08	4.73E-03	0.001033	5.68E-05	0.007512	1E-07
24	486323.61	3855036.51	0.505	0.67391	0.51791	0.16029		9.21E-04	5.7E-05	0.00275	1.7E-07	0.00373	1.13E-03	7.02734E-05	0.003364	9.57E-08	4.56E-03	0.000995	5.41E-05	0.007245	9.88E-08
25	485973.61	3855086.51	0.71487	0.97476	0.75133	0.20583		1.30E-03	8.3E-05	0.00399	2.2E-07	0.00538	1.60E-03	0.000101645	0.00488	1.23E-07	6.58E-03	0.001408	7.82E-05	0.01051	1.27E-07
26	486023.61	3855086.51	0.68697	0.92496	0.72256	0.20322		1.25E-03	7.9E-05	0.00384	2.2E-07	0.00517	1.53E-03	9.64522E-05	0.004693	1.21E-07	6.32E-03	0.001353	7.42E-05	0.010108	1.25E-07
27	486073.61	3855086.51	0.65223	0.86775	0.68556	0.19868		1.19E-03	7.4E-05	0.00364	2.1E-07	0.00491	1.46E-03	9.04865E-05	0.004453	1.19E-07	6.00E-03	0.001285	6.96E-05	0.00959	1.23E-07
28	486123.61	3855086.51	0.62857	0.82581	0.6615	0.19625		1.15E-03	7E-05	0.00351	2.1E-07	0.00473	1.40E-03	8.61131E-05	0.004297	1.17E-07	5.79E-03	0.001238	6.62E-05	0.009254	1.21E-07
29	486173.61	3855086.51	0.59985	0.77884	0.63122	0.1924		1.09E-03	6.6E-05	0.00335	2.1E-07	0.00451	1.34E-03	8.12152E-05	0.0041	1.15E-07	5.52E-03	0.001181	6.25E-05	0.00883	1.19E-07
30	486223.61	3855086.51	0.5789	0.74267	0.60984	0.18993		1.06E-03	6.3E-05	0.00324	2E-07	0.00436	1.29E-03	7.74435E-05	0.003961	1.13E-07	5.33E-03	0.00114	5.96E-05	0.008531	1.17E-07
31	485973.61	3855136.51	0.77284	0.97357	0.83971	0.24631		1.41E-03	8.3E-05	0.00446	2.6E-07	0.00595	1.73E-03	0.000101521	0.005454	1.47E-07	7.28E-03	0.001522	7.81E-05	0.011747	1.52E-07
32	486023.61	3855136.51	0.73785	0.92019	0.8009	0.24065		1.34E-03	7.8E-05	0.00426	2.6E-07	0.00568	1.65E-03	9.59548E-05	0.005202	1.44E-07	6.95E-03	0.001453	7.38E-05	0.011204	1.48E-07
33	486073.61	3855136.51	0.70411	0.86928	0.76359	0.23491		1.28E-03	7.4E-05	0.00406	2.5E-07	0.00541	1.57E-03	9.06461E-05	0.00496	1.4E-07	6.62E-03	0.001387	6.97E-05	0.010682	1.45E-07
34	486123.61	3855136.51	0.67463	0.82419	0.73136	0.22988		1.23E-03	7E-05	0.00389	2.5E-07	0.00519	1.51E-03	8.59442E-05	0.00475	1.37E-07	6.34E-03	0.001329	6.61E-05	0.010231	1.42E-07
35	486173.61	3855136.51	0.64516	0.78018	0.69901	0.22465		1.18E-03	6.6E-05	0.00371	2.4E-07	0.00496	1.44E-03	8.1355E-05	0.00454	1.34E-07	6.06E-03	0.001271	6.26E-05	0.009778	1.39E-07
36	486223.61	3855136.51	0.61932	0.74132	0.67088	0.22007		1.13E-03	6.3E-05	0.00356	2.3E-07	0.00476	1.38E-03	7.73028E-05	0.004358	1.31E-07	5.82E-03	0.00122	5.95E-05	0.009385	1.36E-07
37	485973.61	3855186.51	0.83269	0.96199	0.93293	0.29225		1.52E-03	8.2E-05	0.00496	3.1E-07	0.00656	1.86E-03	0.000100314	0.00606	1.74E-07	8.02E-03	0.00164	7.72E-05	0.013051	1.8E-07
38	486023.61	3855186.51	0.79542	0.91228	0.88958	0.28411		1.45E-03	7.8E-05	0.00473	3E-07	0.00625	1.78E-03	9.513E-05	0.005778	1.7E-07	7.65E-03	0.001567	7.32E-05	0.012444	1.75E-07
39	486073.61	3855186.51	0.75471	0.85974	0.84199	0.27473		1.38E-03	7.3E-05	0.00447	2.9E-07	0.00592	1.69E-03	8.96513E-05	0.005469	1.64E-07	7.24E-03	0.001486	6.9E-05	0.011779	1.69E-07
40	486123.61	3855186.51	0.71723	0.81115	0.79859	0.26607		1.31E-03	6.9E-05	0.00424	2.8E-07	0.00562	1.60E-03	8.45844E-05	0.005187	1.59E-07	6.87E-03	0.001413	6.51E-05	0.011171	1.64E-07
41	486173.61	3855186.51	0.68704	0.7706	0.76415	0.25915		1.25E-03	6.6E-05	0.00406	2.8E-07	0.00538	1.53E-03	8.0356E-05	0.004963	1.55E-07	6.58E-03	0.001353	6.18E-05	0.01069	1.6E-07
42	486223.61	3855186.51	0.65886	0.7329	0.73214	0.2527		1.20E-03	6.2E-05	0.00389	2.7E-07	0.00515	1.47E-03	7.64247E-05	0.004755	1.51E-07	6.30E-03	0.001298	5.88E-05	0.010242	1.56E-07
43	486273.61	3855186.51	0.63098	0.6964	0.70036	0.24615		1.15E-03	5.9E-05	0.00372	2.6E-07	0.00493	1.41E-03	7.26186E-05	0.004549	1.47E-07	6.03E-03	0.001243	5.59E-05	0.009797	1.52E-07
44	486323.61	3855186.51	0.62129	0.67879	0.69078	0.24453		1.13E-03	5.8E-05	0.00367	2.6E-07	0.00486	1.39E-03	7.07823E-05	0.004487	1.46E-07	5.95E-03	0.001224	5.45E-05	0.009663	1.51E-07
45	485973.61	3855236.51	0.89331	0.93925	1.02899	0.34282		1.63E-03	8E-05	0.00547	3.7E-07	0.00718	2.00E-03	9.79423E-05	0.006684	2.05E-07	8.78E-03	0.001759	7.53E-05	0.014395	2.11E-07
46	486023.61	3855236.51	0.84683	0.88828	0.97235	0.32964		1.54E-03	7.6E-05	0.00517	3.5E-07	0.00679	1.89E-03	9.26273E-05	0.006316	1.97E-07	8.30E-03	0.001668	7.13E-05	0.013602	2.03E-07
47	486073.61	3855236.51	0.80201	0.83885	0.91797	0.31693		1.46E-03	7.1E-05	0.00488	3.4E-07	0.00641	1.79E-03	8.74729E-05	0.005962	1.89E-07	7.84E-03	0.00158	6.73E-05	0.012841	1.95E-07
48	486123.61	3855236.51	0.7654	0.79689	0.87421	0.30669		1.40E-03	6.8E-05	0.00464	3.3E-07	0.00611	1.71E-03	8.30974E-05	0.005678	1.83E-07	7.47E-03	0.001507	6.39E-05	0.012229	1.89E-07
49	486173.61	3855236.51	0.73228	0.75831	0.83495	0.29743		1.33E-03	6.5E-05	0.00444	3.2E-07	0.00584	1.64E-03	7.90744E-05	0.005423	1.78E-07	7.14E-03	0.001442	6.08E-05	0.01168	1.83E-07
50	486223.61	3855236.51	0.69986	0.72073	0.79651	0.28824		1.28E-03	6.1E-05	0.00423	3.1E-07	0.00557	1.56E-03	7.51557E-05	0.005174	1.72E-07	6.81E-03	0.001378	5.78E-05	0.011142	1.78E-07
51	486273.61	3855236.51	0.66176	0.67862	0.75099	0.27729		1.21E-03	5.8E-05	0.00399	3E-07	0.00525	1.48E-03	7.07646E-05	0.004878	1.65E-07	6.43E-03	0.001303	5.44E-05	0.010506	1.71E-07
52	486323.61	3855236.51	0.65894	0.66882	0.74945	0.27685		1.20E-03	5.7E-05	0.00398	3E-07	0.00524	1.47E-03	6.97427E-05	0.004868	1.65E-07	6.41E-03	0.001298	5.37E-05	0.010484	1.71E-07
53	485973.61	3855286.51	0.95536	0.9061	1.12793	0.39744		1.74E-03	7.7E-05	0.00599	4.2E-07	0.00781	2.13E-03	9.44855E-05	0.007326	2.37E-07	9.55E-03	0.001882	7.27E-05	0.015779	2.45E-07
54	486023.61	3855286.51	0.90257	0.8588	1.06173	0.37955		1.65E-03	7.3E-05	0.00564	4E-07	0.00736	2.02E-03	8.95532E-05	0.006896	2.27E-07	9.00E-03	0.001778	6.89E-05	0.014853	2.34E-07
55	486073.61	3855286.51	0.85681	0.81632	1.0048	0.36426		1.56E-03	6.9E-05	0.00534	3.9E-07	0.00697	1.91E-03	8.51235E-05	0.006526	2.17E-07	8.53E-03	0.001687	6.55E-05	0.014056	2.25E-07
56	486123.61	3855286.51	0.81258	0.77454	0.94994	0.34955		1.48E-03	6.6E-05	0.00505	3.7E-07	0.00659	1.82E-03	8.07668E-05	0.00617	2.09E-07	8.07E-03	0.0016	6.21E-05	0.013289	2.16E-07
57	486173.61	3855286.51	0.77351	0.73647	0.90187	0.33663		1.41E-03	6.3E-05	0.00479	3.6E-07	0.00626	1.73E-03	7.6797E-05	0.005858	2.01E-07	7.66E-03	0.001523	5.91E-05	0.012616	2.08E-07

58	486223.61	3855286.51	0.74199	0.70429	0.86356	0.32618	1.35E-03	6E-05	0.00459	3.5E-07	0.006	1.66E-03	7.34414E-05	0.005609	1.95E-07	7.34E-03	0.001461	5.65E-05	0.01208	2.01E-07
59	486123.61	3855336.51	0.86134	0.74603	1.02837	0.39495	1.57E-03	6.3E-05	0.00546	4.2E-07	0.0071	1.92E-03	7.77939E-05	0.00668	2.36E-07	8.68E-03	0.001696	5.98E-05	0.014386	2.44E-07
60	486173.61	3855336.51	0.82262	0.71428	0.9797	0.38027	1.50E-03	6.1E-05	0.00521	4.1E-07	0.00677	1.84E-03	7.44831E-05	0.006363	2.27E-07	8.28E-03	0.00162	5.73E-05	0.013705	2.34E-07
61	486223.61	3855336.51	0.78506	0.68278	0.93266	0.36612	1.43E-03	5.8E-05	0.00496	3.9E-07	0.00644	1.75E-03	7.11984E-05	0.006058	2.19E-07	7.88E-03	0.001546	5.48E-05	0.013047	2.26E-07
62	486123.61	3855386.51	0.91453	0.7133	1.11272	0.44358	1.67E-03	6.1E-05	0.00591	4.7E-07	0.00764	2.04E-03	7.43809E-05	0.007227	2.65E-07	9.34E-03	0.001801	5.72E-05	0.015566	2.73E-07
63	486173.61	3855386.51	0.87185	0.68516	1.05803	0.42561	1.59E-03	5.8E-05	0.00562	4.5E-07	0.00727	1.95E-03	7.14465E-05	0.006872	2.54E-07	8.89E-03	0.001717	5.5E-05	0.014801	2.62E-07
64	486223.61	3855386.51	0.83366	0.65876	1.00935	0.40952	1.52E-03	5.6E-05	0.00536	4.4E-07	0.00694	1.86E-03	6.86936E-05	0.006556	2.44E-07	8.49E-03	0.001642	5.28E-05	0.01412	2.52E-07
65	486533.18	3855443.15	0.70181	0.51254	0.85521	0.37347	1.28E-03	4.4E-05	0.00454	4E-07	0.00587	1.57E-03	5.34462E-05	0.005555	2.23E-07	7.18E-03	0.001382	4.11E-05	0.011964	2.3E-07
66	486583.18	3855443.15	0.67622	0.49673	0.8223	0.36169	1.23E-03	4.2E-05	0.00437	3.9E-07	0.00564	1.51E-03	5.17976E-05	0.005341	2.16E-07	6.90E-03	0.001332	3.98E-05	0.011503	2.23E-07
67	486633.18	3855443.15	0.65224	0.4817	0.79147	0.3506	1.19E-03	4.1E-05	0.00421	3.7E-07	0.00544	1.46E-03	5.02303E-05	0.005141	2.09E-07	6.65E-03	0.001285	3.86E-05	0.011072	2.16E-07
68	486683.18	3855443.15	0.63388	0.46976	0.76795	0.34198	1.16E-03	4E-05	0.00408	3.6E-07	0.00528	1.42E-03	4.89852E-05	0.004988	2.04E-07	6.45E-03	0.001248	3.77E-05	0.010743	2.11E-07
69	486533.18	3855493.15	0.73648	0.49277	0.91032	0.40623	1.34E-03	4.2E-05	0.00484	4.3E-07	0.00622	1.65E-03	5.13847E-05	0.005913	2.42E-07	7.61E-03	0.00145	3.95E-05	0.012734	2.5E-07
70	486583.18	3855493.15	0.71073	0.4796	0.87674	0.39354	1.30E-03	4.1E-05	0.00466	4.2E-07	0.006	1.59E-03	5.00113E-05	0.005695	2.35E-07	7.33E-03	0.0014	3.85E-05	0.012265	2.43E-07
71	486633.18	3855493.15	0.68546	0.46652	0.84381	0.38109	1.25E-03	4E-05	0.00448	4.1E-07	0.00577	1.53E-03	4.86474E-05	0.005481	2.27E-07	7.06E-03	0.00135	3.74E-05	0.011804	2.35E-07
72	486683.18	3855493.15	0.66206	0.45409	0.81331	0.36957	1.21E-03	3.9E-05	0.00432	3.9E-07	0.00557	1.48E-03	4.73512E-05	0.005283	2.21E-07	6.81E-03	0.001304	3.64E-05	0.011377	2.28E-07
73	486533.18	3855543.15	0.77571	0.47252	0.97127	0.44151	1.41E-03	4E-05	0.00516	4.7E-07	0.00662	1.73E-03	4.9273E-05	0.006309	2.64E-07	8.09E-03	0.001528	3.79E-05	0.013587	2.72E-07
74	486583.18	3855543.15	0.7422	0.45835	0.92703	0.42448	1.35E-03	3.9E-05	0.00493	4.5E-07	0.00632	1.66E-03	4.77954E-05	0.006021	2.53E-07	7.73E-03	0.001462	3.68E-05	0.012968	2.62E-07
75	486633.18	3855543.15	0.71669	0.44755	0.89343	0.41117	1.31E-03	3.8E-05	0.00475	4.4E-07	0.00609	1.60E-03	4.66692E-05	0.005803	2.45E-07	7.45E-03	0.001411	3.59E-05	0.012498	2.54E-07
76	486683.18	3855543.15	0.68652	0.4342	0.85365	0.39582	1.25E-03	3.7E-05	0.00454	4.2E-07	0.00582	1.53E-03	4.52771E-05	0.005545	2.36E-07	7.12E-03	0.001352	3.48E-05	0.011942	2.44E-07
77	486533.18	3855593.15	0.81331	0.45008	1.02977	0.47636	1.48E-03	3.8E-05	0.00547	5.1E-07	0.00699	1.82E-03	4.69331E-05	0.006689	2.84E-07	8.55E-03	0.001602	3.61E-05	0.014405	2.94E-07
78	486583.18	3855593.15	0.77975	0.43832	0.9851	0.45841	1.42E-03	3.7E-05	0.00523	4.9E-07	0.00669	1.74E-03	4.57068E-05	0.006399	2.74E-07	8.19E-03	0.001536	3.52E-05	0.013781	2.83E-07
79	486633.18	3855593.15	0.74993	0.42787	0.94547	0.44235	1.37E-03	3.6E-05	0.00502	4.7E-07	0.00643	1.68E-03	4.46171E-05	0.006141	2.64E-07	7.86E-03	0.001477	3.43E-05	0.013226	2.73E-07
80	486683.18	3855593.15	0.72489	0.41909	0.91219	0.42862	1.32E-03	3.6E-05	0.00485	4.6E-07	0.0062	1.62E-03	4.37015E-05	0.005925	2.56E-07	7.59E-03	0.001428	3.36E-05	0.012761	2.64E-07
81	486533.18	3855643.15	0.85464	0.42868	1.0929	0.51299	1.56E-03	3.6E-05	0.00581	5.5E-07	0.0074	1.91E-03	4.47015E-05	0.007099	3.06E-07	9.05E-03	0.001683	3.44E-05	0.015289	3.16E-07
82	486583.18	3855643.15	0.8199	0.41853	1.04635	0.49367	1.49E-03	3.6E-05	0.00556	5.3E-07	0.00709	1.83E-03	4.36431E-05	0.006796	2.95E-07	8.67E-03	0.001615	3.36E-05	0.014637	3.04E-07
83	486633.18	3855643.15	0.78741	0.4091	1.00286	0.4756	1.44E-03	3.5E-05	0.00533	5.1E-07	0.0068	1.76E-03	4.26598E-05	0.006514	2.84E-07	8.32E-03	0.001551	3.28E-05	0.014029	2.93E-07
84	486683.18	3855643.15	0.75861	0.40075	0.96429	0.45943	1.38E-03	3.4E-05	0.00512	4.9E-07	0.00654	1.69E-03	4.17891E-05	0.006263	2.74E-07	8.00E-03	0.001494	3.21E-05	0.013489	2.83E-07
85	486533.18	3855693.15	0.90326	0.40974	1.16552	0.55306	1.65E-03	3.5E-05	0.00619	5.9E-07	0.00787	2.02E-03	4.27265E-05	0.00757	3.3E-07	9.63E-03	0.001779	3.29E-05	0.016304	3.41E-07
86	486583.18	3855693.15	0.85905	0.39855	1.10589	0.52829	1.57E-03	3.4E-05	0.00588	5.6E-07	0.00748	1.92E-03	4.15597E-05	0.007183	3.15E-07	9.14E-03	0.001692	3.2E-05	0.01547	3.26E-07
87	486633.18	3855693.15	0.8172	0.38785	1.04951	0.50502	1.49E-03	3.3E-05	0.00558	5.4E-07	0.0071	1.83E-03	4.04439E-05	0.006817	3.01E-07	8.68E-03	0.001609	3.11E-05	0.014682	3.11E-07
88	486683.18	3855693.15	0.79397	0.38288	1.01826	0.49093	1.45E-03	3.3E-05	0.00541	5.2E-07	0.00689	1.77E-03	3.99256E-05	0.006614	2.93E-07	8.43E-03	0.001564	3.07E-05	0.014244	3.03E-07
89	486733.18	3855693.15	0.77812	0.38021	0.9969	0.48078	1.42E-03	3.2E-05	0.0053	5.1E-07	0.00675	1.74E-03	3.96472E-05	0.006475	2.87E-07	8.25E-03	0.001532	3.05E-05	0.013946	2.96E-07
90	486783.18	3855693.15	0.76597	0.37847	0.98055	0.473	1.40E-03	3.2E-05	0.00521	5E-07	0.00664	1.71E-03	3.94658E-05	0.006369	2.82E-07	8.12E-03	0.001509	3.04E-05	0.013717	2.92E-07
91	486533.18	3855743.15	0.95048	0.39105	1.23585	0.59201	1.73E-03	3.3E-05	0.00657	6.3E-07	0.00833	2.12E-03	4.07776E-05	0.008027	3.53E-07	1.02E-02	0.001872	3.14E-05	0.017288	3.65E-07
92	486583.18	3855743.15	0.89697	0.37914	1.16334	0.56191	1.64E-03	3.2E-05	0.00618	6E-07	0.00785	2.00E-03	3.95356E-05	0.007556	3.35E-07	9.60E-03	0.001767	3.04E-05	0.016274	3.46E-07
93	486633.18	3855743.15	0.85791	0.37084	1.1105	0.53935	1.56E-03	3.2E-05	0.0059	5.8E-07	0.0075	1.92E-03	3.86701E-05	0.007213	3.22E-07	9.17E-03	0.00169	2.97E-05	0.015535	3.33E-07
94	486683.18	3855743.15	0.83724	0.36774	1.08259	0.52609	1.53E-03	3.1E-05	0.00575	5.6E-07	0.00731	1.87E-03	3.83469E-05	0.007032	3.14E-07	8.94E-03	0.001649	2.95E-05	0.015144	3.24E-07
95	486733.18	3855743.15	0.81239	0.36342	1.04893	0.511	1.48E-03	3.1E-05	0.00557	5.5E-07	0.00709	1.81E-03	3.78964E-05	0.006813	3.05E-07	8.67E-03	0.0016	2.92E-05	0.014673	3.15E-07
96	486783.18	3855743.15	0.80314	0.36343	1.03643	0.50452	1.46E-03	3.1E-05	0.00551	5.4E-07	0.007	1.79E-03	3.78975E-05	0.006732	3.01E-07	8.56E-03	0.001582	2.92E-05	0.014499	3.11E-07
97	486533.18	3855793.15	1.00275	0.37466	1.31265	0.6329	1.83E-03	3.2E-05	0.00697	6.8E-07	0.00883	2.24E-03	3.90685E-05	0.008526	3.78E-07	1.08E-02	0.001975	3.01E-05	0.018363	3.9E-07
98	486583.18	3855793.15	0.93411	0.36096	1.21924	0.59463	1.70E-03	3.1E-05	0.00648	6.3E-07	0.00821	2.09E-03	3.76399E-05	0.007919	3.55E-07	1.00E-02	0.00184	2.9E-05	0.017056	3.67E-07
99	486633.18	3855793.15	0.90877	0.35714	1.18499	0.57826	1.66E-03	3E-05	0.0063	6.2E-07	0.00798	2.03E-03	3.72415E-05	0.007697	3.45E-07	9.76E-03	0.00179	2.86E-05	0.016577	3.57E-07
100	486683.18	3855793.15	0.88636	0.35445	1.15464	0.5639	1.62E-03	3E-05	0.00613	6E-07	0.00778	1.98E-03	3.6961E-05	0.0075	3.37E-07	9.52E-03	0.001746	2.84E-05	0.016152	3.48E-07
101	486733.18	3855793.15	0.86159	0.35131	1.12098	0.54875	1.57E-03	3E-05	0.00596	5.9E-07	0.00756	1.92E-03	3.66336E-05	0.007281	3.28E-07	9.24E-03	0.001697	2.82E-05	0.015681	3.38E-07
102	486783.18	3855793.15	0.84056	0.34891	1.09241	0.53565	1.53E-03	3E-05	0.0058	5.7E-07	0.00737	1.88E-03	3.63833E-05	0.007096	3.2E-07	9.01E-03	0.001655	2.8E-05	0.015282	3.3E-07
103	486533.18	3855843.15	1.04877	0.35836	1.38041	0.66969	1.91E-03	3E-05	0.00733	7.1E-07	0.00928	2.34E-03	3.73688E-05	0.008966	4E-07	1.13E-02	0.002066	2.87E-05	0.019311	4.13E-07
104	486583.18	3855843.15	0.98672	0.34762	1.2959	0.63428	1.80E-03	3E-05	0.00689	6.8E-07	0.00871	2.20E-03	3.62488E-05	0.008417	3.79E-07	1.07E-02	0.001943	2.79E-05	0.018128	3.91E-07
105	486633.18	3855843.15	0.95954	0.34402	1.25911	0.61661	1.75E-03	2.9E-05	0.00669	6.6E-07	0.00847	2.14E-03	3.58734E-05	0.008178	3.68E-07	1.04E-02	0.00189	2.76E-05	0.017614	3.8E-07
106	486683.18	3855843.15	0.93442	0.34138	1.22502	0.60058	1.70E-03	2.9E-05	0.00651	6.4E-07	0.00824	2.09E-03	3.55981E-05	0.007957	3.58E-07	1.01E-02	0.00184	2.74E-05	0.017137	3.7E-07
107	486733.18	3855843.15	0.91045	0.3393	1.19241	0.58561	1.66E-03	2.9E-05	0.00634	6.2E-07	0.00802	2.03E-03	3.53812E-05	0.007745	3.5E-07	9.81E-03	0.001793	2.72E-05	0.016681	3.61E-07
108	486783.18	3855843.15	0.8859	0.33702	1.15897	0.57058	1.61E-03	2.9E-05	0.00616	6.1E-07	0.0078	1.98E-03	3.51435E-05	0.007528	3.41E-07	9.54E-03	0.001745	2.7E-05	0.016213	3.52E-07
109	486533.18	3855893.15	1.08419	0.34192	1.43308	0.70072	1.98E-03	2.9E-05	0.00761	7.5E-07	0.00962	2.42E-03	3.56545E-05	0.009308	4.18E-07	1.18E-02	0.002135	2.74E-05	0.020047	4.32E-07
110	486583.18	3855893.15	1.04877	0.33698	1.38525	0.67796	1.91E-03	2.9E-05	0.00736	7.2E-07	0.0093	2.34E-03	3.51393E-05	0.008998	4.05E-07	1.14E-02	0.002066	2.7E-05	0.019378	4.18E-07
111	486633.18	3855893.15	1.01452	0.33258	1.33876	0.65638	1.85E-03	2.8E-05	0.00711	7E-07	0.00899	2.27E-03	3.46805E-05	0.008696	3.92E-07	1.10E-02	0.001998	2.67E-05	0.018728	4.05E-07
112	486683.18	3855893.15	0.98628	0.32987	1.30039	0.63846	1.80E-03	2.8E-05	0.00691	6.8E-07	0.00874	2.20E-03	3.43979E-05	0.008446	3.81E-07	1.07E-02	0.001942	2.65E-05	0.018191	3.94E-07
113	486733.18	3855893.15	0.95961	0.32793	1.26407	0.6219	1.75E-03	2.8E-05	0.00672	6.6E-07	0.00849	2.14E-03	3.41956E-05	0.008211	3.71E-07	1.04E-02	0.00189	2.63E-05	0.017683	3.83E-07
114	486783.18	3855893.15	0.93695	0.32689	1.23318	0.6081	1.71E-03	2.8E-05	0.00655	6.5E-07	0.00829	2.09E-03	3.40872E-05	0.00801	3.63E-07	1.01E-02	0.001845	2.62E-05	0.017251	3.75E-07
115	486533.18	3855943.15	1.14539	0.33126	1.52079	0.74391	2.09E-03	2.8E-05	0.00808	7.9E-07	0.0102	2.56E-03	3.45429E-05	0.009878	4.44E-07	1.25E-02	0.002256	2.66E-05	0.021274	4.59E-07
116	486583.18	3855943.15	1.11716	0.32806	1.48311	0.72413	2.04E-03	2.8E-05	0.00788	7.7E-07	0.00995	2.50E-03	3.42092E-05	0.009633	4.32E-07	1.22E-02	0.0022	2.63E-05	0.020747	4.46E-07
117	486633.18	3855943.15	1.07516	0.32299	1.42599	0.69824	1.96E-03	2.7E-05	0.00758	7.4E-07	0.00956	2.40E-03	3.36805E-05	0.009262	4.17E-07	1.17E-02	0.002117	2.59E-05	0.019948	4.31E-07
118	486683.18	3855943.15	1.04698	0.32072	1.38774	0.68028	1.91E-03	2.7E-05	0.00737	7.3E-07	0.00931	2.34E-03	3.34438E-05	0.009014	4.06E-07	1.14E-02	0.002062	2.57E-05	0.019413	4.19E-07

119	486733.18	3855943.15	1.0136	0.3182	1.34213	0.65991	1.85E-03	2.7E-05	0.00713	7E-07	0.00901	2.26E-03	3.3181E-05	0.008718	3.94E-07	1.10E-02	0.001996	2.55E-05	0.018775	4.07E-07
120	486783.18	3855943.15	0.98956	0.31757	1.30932	0.64554	1.80E-03	2.7E-05	0.00696	6.9E-07	0.00879	2.21E-03	3.31153E-05	0.008504	3.85E-07	1.07E-02	0.001949	2.55E-05	0.018316	3.98E-07
121	486533.18	3855993.15	1.22466	0.32375	1.63302	0.79504	2.23E-03	2.8E-05	0.00868	8.5E-07	0.01094	2.74E-03	3.37597E-05	0.010607	4.75E-07	1.34E-02	0.002412	2.6E-05	0.022844	4.9E-07
122	486583.18	3855993.15	1.1832	0.3194	1.57731	0.76817	2.16E-03	2.7E-05	0.00838	8.2E-07	0.01057	2.64E-03	3.33061E-05	0.010245	4.58E-07	1.29E-02	0.00233	2.56E-05	0.022065	4.74E-07
123	486633.18	3855993.15	1.14264	0.31517	1.52235	0.74266	2.08E-03	2.7E-05	0.00809	7.9E-07	0.0102	2.55E-03	3.2865E-05	0.009888	4.43E-07	1.25E-02	0.00225	2.53E-05	0.021296	4.58E-07
124	486683.18	3855993.15	1.11007	0.31261	1.4781	0.72224	2.02E-03	2.7E-05	0.00785	7.7E-07	0.0099	2.48E-03	3.25981E-05	0.009601	4.31E-07	1.21E-02	0.002186	2.51E-05	0.020677	4.45E-07
125	486733.18	3855993.15	1.07454	0.31032	1.42953	0.70075	1.96E-03	2.6E-05	0.0076	7.5E-07	0.00958	2.40E-03	3.23593E-05	0.009285	4.18E-07	1.17E-02	0.002116	2.49E-05	0.019998	4.32E-07
126	486783.18	3855993.15	1.04407	0.30922	1.38783	0.68274	1.90E-03	2.6E-05	0.00737	7.3E-07	0.0093	2.33E-03	3.22446E-05	0.009014	4.07E-07	1.14E-02	0.002056	2.48E-05	0.019414	4.21E-07
127	486533.18	3856043.15	1.30983	0.31685	1.75255	0.84805	2.39E-03	2.7E-05	0.00931	9E-07	0.01173	2.93E-03	3.30402E-05	0.011383	5.06E-07	1.43E-02	0.00258	2.54E-05	0.024516	5.23E-07
128	486583.18	3856043.15	1.26668	0.31333	1.69495	0.81976	2.31E-03	2.7E-05	0.00901	8.7E-07	0.01134	2.83E-03	3.26732E-05	0.011009	4.89E-07	1.39E-02	0.002495	2.51E-05	0.023711	5.05E-07
129	486633.18	3856043.15	1.21731	0.30878	1.62811	0.78947	2.22E-03	2.6E-05	0.00865	8.4E-07	0.0109	2.72E-03	3.21987E-05	0.010575	4.71E-07	1.33E-02	0.002397	2.48E-05	0.022776	4.87E-07
130	486683.18	3856043.15	1.18177	0.3063	1.57995	0.76753	2.15E-03	2.6E-05	0.00839	8.2E-07	0.01058	2.64E-03	3.19401E-05	0.010262	4.58E-07	1.29E-02	0.002327	2.46E-05	0.022102	4.73E-07
131	486733.18	3856043.15	1.13968	0.30366	1.52236	0.74246	2.08E-03	2.6E-05	0.00809	7.9E-07	0.01019	2.55E-03	3.16648E-05	0.009888	4.43E-07	1.25E-02	0.002245	2.44E-05	0.021296	4.58E-07
132	486783.18	3856043.15	1.10992	0.30327	1.48122	0.72545	2.02E-03	2.6E-05	0.00787	7.7E-07	0.00992	2.48E-03	3.16241E-05	0.009621	4.33E-07	1.21E-02	0.002186	2.43E-05	0.020721	4.47E-07
133	486533.18	3856093.15	1.41685	0.31157	1.89912	0.90914	2.58E-03	2.7E-05	0.01009	9.7E-07	0.0127	3.16E-03	3.24896E-05	0.012335	5.43E-07	1.55E-02	0.00279	2.5E-05	0.026567	5.61E-07
134	486583.18	3856093.15	1.35908	0.30786	1.82224	0.87339	2.48E-03	2.6E-05	0.00968	9.3E-07	0.01219	3.04E-03	3.21028E-05	0.011836	5.21E-07	1.49E-02	0.002677	2.47E-05	0.025491	5.39E-07
135	486633.18	3856093.15	1.30505	0.30391	1.74981	0.84076	2.38E-03	2.6E-05	0.0093	9E-07	0.0117	2.92E-03	3.16909E-05	0.011366	5.02E-07	1.43E-02	0.00257	2.44E-05	0.024478	5.18E-07
136	486683.18	3856093.15	1.26108	0.30112	1.69025	0.81449	2.30E-03	2.6E-05	0.00898	8.7E-07	0.01131	2.82E-03	3.13999E-05	0.010979	4.86E-07	1.38E-02	0.002484	2.42E-05	0.023645	5.02E-07
137	486733.18	3856093.15	1.21556	0.29877	1.62841	0.78817	2.22E-03	2.5E-05	0.00865	8.4E-07	0.01089	2.72E-03	3.11549E-05	0.010577	4.7E-07	1.33E-02	0.002394	2.4E-05	0.02278	4.86E-07
138	486783.18	3856093.15	1.17801	0.29801	1.57695	0.76726	2.15E-03	2.5E-05	0.00838	8.2E-07	0.01055	2.63E-03	3.10756E-05	0.010243	4.58E-07	1.29E-02	0.00232	2.39E-05	0.02206	4.73E-07
139	486533.18	3856143.15	1.53693	0.30628	2.0597	0.97279	2.80E-03	2.6E-05	0.01094	1E-06	0.01377	3.43E-03	3.1938E-05	0.013378	5.81E-07	1.68E-02	0.003027	2.46E-05	0.028813	6E-07
140	486583.18	3856143.15	1.46241	0.30276	1.96179	0.92916	2.67E-03	2.6E-05	0.01042	9.9E-07	0.01312	3.27E-03	3.1571E-05	0.012742	5.55E-07	1.60E-02	0.00288	2.43E-05	0.027443	5.73E-07
141	486633.18	3856143.15	1.405	0.29991	1.88666	0.89545	2.56E-03	2.6E-05	0.01002	9.6E-07	0.01261	3.14E-03	3.12738E-05	0.012254	5.34E-07	1.54E-02	0.002767	2.41E-05	0.026392	5.52E-07
142	486683.18	3856143.15	1.34995	0.29699	1.81297	0.86404	2.46E-03	2.5E-05	0.00963	9.2E-07	0.01212	3.02E-03	3.09693E-05	0.011776	5.16E-07	1.48E-02	0.002659	2.38E-05	0.025362	5.33E-07
143	486733.18	3856143.15	1.2992	0.29494	1.7446	0.83593	2.37E-03	2.5E-05	0.00927	8.9E-07	0.01166	2.90E-03	3.07555E-05	0.011332	4.99E-07	1.43E-02	0.002559	2.37E-05	0.024405	5.15E-07
144	486783.18	3856143.15	1.26069	0.2949	1.69205	0.81618	2.30E-03	2.5E-05	0.00899	8.7E-07	0.01131	2.82E-03	3.07513E-05	0.01099	4.87E-07	1.38E-02	0.002483	2.37E-05	0.02367	5.03E-07
145	486533.18	3856193.15	1.68955	0.30239	2.26041	1.04642	3.08E-03	2.6E-05	0.01201	1.1E-06	0.01512	3.77E-03	3.15324E-05	0.014682	6.25E-07	1.85E-02	0.003328	2.43E-05	0.031621	6.45E-07
146	486583.18	3856193.15	1.59072	0.29907	2.13438	0.99351	2.90E-03	2.5E-05	0.01134	1.1E-06	0.01427	3.55E-03	3.11862E-05	0.013863	5.93E-07	1.74E-02	0.003133	2.4E-05	0.029858	6.13E-07
147	486633.18	3856193.15	1.5198	0.29669	2.04217	0.95423	2.77E-03	2.5E-05	0.01085	1E-06	0.01365	3.39E-03	3.0938E-05	0.013264	5.7E-07	1.67E-02	0.002993	2.38E-05	0.028568	5.88E-07
148	486683.18	3856193.15	1.46073	0.29486	1.96494	0.92315	2.66E-03	2.5E-05	0.01044	9.8E-07	0.01313	3.26E-03	3.07472E-05	0.012763	5.51E-07	1.61E-02	0.002877	2.37E-05	0.027488	5.69E-07
149	486733.18	3856193.15	1.3963	0.29257	1.87903	0.88924	2.55E-03	2.5E-05	0.00998	9.5E-07	0.01255	3.12E-03	3.05084E-05	0.012205	5.31E-07	1.54E-02	0.00275	2.35E-05	0.026286	5.48E-07
150	486783.18	3856193.15	1.34836	0.29255	1.81442	0.86658	2.46E-03	2.5E-05	0.00964	9.2E-07	0.01212	3.01E-03	3.05063E-05	0.011785	5.17E-07	1.48E-02	0.002656	2.35E-05	0.025382	5.34E-07
151	486533.18	3856243.15	1.86529	0.29943	2.49096	1.12661	3.40E-03	2.5E-05	0.01323	1.2E-06	0.01666	4.17E-03	3.12237E-05	0.01618	6.72E-07	2.04E-02	0.003674	2.4E-05	0.034846	6.95E-07
152	486583.18	3856243.15	1.75236	0.29724	2.3494	1.06974	3.19E-03	2.5E-05	0.01248	1.1E-06	0.0157	3.91E-03	3.09953E-05	0.01526	6.38E-07	1.92E-02	0.003451	2.38E-05	0.032866	6.6E-07
153	486633.18	3856243.15	1.65668	0.29491	2.22696	1.02139	3.02E-03	2.5E-05	0.01183	1.1E-06	0.01488	3.70E-03	3.07524E-05	0.014465	6.1E-07	1.82E-02	0.003263	2.37E-05	0.031153	6.3E-07
154	486683.18	3856243.15	1.57624	0.29289	2.12349	0.98189	2.87E-03	2.5E-05	0.01128	1E-06	0.01418	3.52E-03	3.05417E-05	0.013793	5.86E-07	1.73E-02	0.003104	2.35E-05	0.029705	6.05E-07
155	486733.18	3856243.15	1.50842	0.29164	2.03299	0.94949	2.75E-03	2.5E-05	0.0108	1E-06	0.01358	3.37E-03	3.04114E-05	0.013205	5.67E-07	1.66E-02	0.002971	2.34E-05	0.028439	5.85E-07
156	486783.18	3856243.15	1.44224	0.29088	1.94442	0.91786	2.63E-03	2.5E-05	0.01033	9.8E-07	0.01299	3.22E-03	3.03321E-05	0.01263	5.48E-07	1.59E-02	0.00284	2.33E-05	0.0272	5.66E-07
157	486533.18	3856293.15	2.08579	0.29905	2.77517	1.22139	3.80E-03	2.5E-05	0.01474	1.3E-06	0.01857	4.66E-03	3.11841E-05	0.018026	7.29E-07	2.27E-02	0.004108	2.4E-05	0.038822	7.53E-07
158	486583.18	3856293.15	1.93645	0.29665	2.59135	1.15259	3.53E-03	2.5E-05	0.01377	1.2E-06	0.01732	4.33E-03	3.09338E-05	0.016832	6.88E-07	2.12E-02	0.003814	2.38E-05	0.03625	7.11E-07
159	486633.18	3856293.15	1.81588	0.29463	2.43961	1.09652	3.31E-03	2.5E-05	0.01296	1.2E-06	0.0163	4.06E-03	3.07232E-05	0.015846	6.54E-07	1.99E-02	0.003576	2.36E-05	0.034128	6.76E-07
160	486683.18	3856293.15	1.7146	0.29272	2.30931	1.04942	3.13E-03	2.5E-05	0.01227	1.1E-06	0.01542	3.83E-03	3.0524E-05	0.015	6.26E-07	1.89E-02	0.003377	2.35E-05	0.032305	6.47E-07
161	486733.18	3856293.15	1.6314	0.29179	2.2023	1.01346	2.97E-03	2.5E-05	0.0117	1.1E-06	0.0147	3.64E-03	3.0427E-05	0.014305	6.05E-07	1.80E-02	0.003213	2.34E-05	0.030808	6.25E-07
162	486783.18	3856293.15	1.5512	0.29096	2.0952	0.97665	2.83E-03	2.5E-05	0.01113	1E-06	0.01399	3.46E-03	3.03405E-05	0.013609	5.83E-07	1.71E-02	0.003055	2.33E-05	0.02931	6.02E-07
163	486783.18	3856343.15	1.67864	0.29429	2.26972	1.04613	3.06E-03	2.5E-05	0.01206	1.1E-06	0.01515	3.75E-03	3.06877E-05	0.014743	6.24E-07	1.85E-02	0.003306	2.36E-05	0.031751	6.45E-07
164	486833.18	3856343.15	1.59371	0.2946	2.15576	1.011	2.91E-03	2.5E-05	0.01145	1.1E-06	0.01439	3.56E-03	3.07201E-05	0.014002	6.03E-07	1.76E-02	0.003139	2.36E-05	0.030157	6.23E-07
165	486883.18	3856343.15	1.51843	0.29575	2.05325	0.98049	2.77E-03	2.5E-05	0.01091	1E-06	0.0137	3.39E-03	3.084E-05	0.013336	5.85E-07	1.68E-02	0.00299	2.37E-05	0.028723	6.05E-07
166	486783.18	3856393.15	1.81551	0.29792	2.45482	1.11406	3.31E-03	2.5E-05	0.01304	1.2E-06	0.01638	4.06E-03	3.10663E-05	0.015945	6.65E-07	2.00E-02	0.003576	2.39E-05	0.03434	6.87E-07
167	486833.18	3856393.15	1.71393	0.29809	2.31944	1.07453	3.12E-03	2.5E-05	0.01232	1.1E-06	0.01547	3.83E-03	3.1084E-05	0.015065	6.41E-07	1.89E-02	0.003376	2.39E-05	0.032447	6.63E-07
168	486883.18	3856393.15	1.62133	0.29874	2.195	1.03517	2.96E-03	2.5E-05	0.01166	1.1E-06	0.01464	3.62E-03	3.11518E-05	0.014257	6.18E-07	1.79E-02	0.003193	2.4E-05	0.030706	6.38E-07
169	487208.74	3856886.11	2.16883	0.70567	2.95274	1.55568	3.95E-03	6E-05	0.01569	1.7E-06	0.0197	4.84E-03	7.35853E-05	0.019179	9.28E-07	2.41E-02	0.004271	5.66E-05	0.041306	9.59E-07
170	487258.74	3856886.11	1.98072	0.72256	2.7251	1.48419	3.61E-03	6.1E-05	0.01448	1.6E-06	0.01815	4.42E-03	7.53465E-05	0.0177	8.86E-07	2.22E-02	0.003901	5.8E-05	0.038121	9.15E-07
171	487308.74	3856886.11	1.82115	0.74767	2.53076	1.42462	3.32E-03	6.4E-05	0.01345	1.5E-06	0.01683	4.07E-03	7.79649E-05	0.016438	8.5E-07	2.06E-02	0.003587	6E-05	0.035403	8.78E-07
172	487358.74	3856886.11	1.6875	0.78295	2.36447	1.36776	3.08E-03	6.7E-05	0.01256	1.5E-06	0.01571	3.77E-03	8.16438E-05	0.015358	8.16E-07	1.92E-02	0.003323	6.28E-05	0.033077	8.43E-07
173	487208.74	3856936.11	2.30245	0.92838	3.23177	1.68488	4.20E-03	7.9E-05	0.01717	1.8E-06	0.02145	5.14E-03	9.68088E-05	0.020991	1.01E-06	2.62E-02	0.004535	7.45E-05	0.045209	1.04E-06
174	487258.74	3856936.11	2.06053	0.9714	2.9483	1.59816	3.76E-03	8.3E-05	0.01566	1.7E-06	0.01951	4.60E-03	0.000101295	0.01915	9.54E-07	2.39E-02	0.004058	7.79E-05	0.041244	9.85E-07
175	487308.74	3856936.11	1.86936	1.0283	2.70962	1.52827	3.41E-03	8.8E-05	0.0144	1.6E-06	0.01789	4.18E-03	0.000107228	0.0176	9.12E-07	2.19E-02	0.003682	8.25E-05	0.037905	9.42E-07
176	487358.74	3856936.11	1.71718	1.09193	2.50718	1.46475	3.13E-03	9.3E-05	0.01332	1.6E-06	0.01655	3.84E-03	0.000113863	0.016285	8.74E-07	2.02E-02	0.003382	8.76E-05	0.035073	9.03E-07
177	487208.74	3856986.11	2.29131	1.40079	3.58878	1.84084	4.18E-03	0.00012	0.01907	2E-06	0.02337	5.12E-03	0.00014607	0.02331	1.1E-06	2.86E-02	0.004513	0.000112	0.050203	1.14E-06
178	487258.74	3856986.11	2.03876	1.50091	3.20825	1.74033	3.72E-03	0.00013	0.01705	1.9E-06	0.02089	4.55E-03	0.000156511	0.020839	1.04E-06	2.56E-02	0.004015	0.00012	0.04488	1.07E-06
179	487308.74	3856986.11	1.85302	1.59728	2.91068	1.64526	3.38E-03	0.00014	0.01546	1.8E-06	0.01898	4.14E-03	0.00016656	0.018906	9.82E-07	2.32E-02	0.003649	0.000128	0.040717	1.01E-06

180	487358.74	3856986.11	1.70076	1.66669	2.65447	1.57619	3.10E-03	0.00014	0.0141	1.7E-06	0.01735	3.80E-03	0.000173798	0.017242	9.41E-07	2.12E-02	0.00335	0.000134	0.037133	9.72E-07
181	487208.74	3857036.11	2.12927	2.70821	4.05261	2.03535	3.88E-03	0.00023	0.02153	2.2E-06	0.02565	4.76E-03	0.000282404	0.026323	1.21E-06	3.14E-02	0.004194	0.000217	0.056692	1.25E-06
182	487258.74	3857036.11	1.93994	2.73555	3.52071	1.89642	3.54E-03	0.00023	0.01871	2E-06	0.02248	4.33E-03	0.000285255	0.022868	1.13E-06	2.75E-02	0.003821	0.000219	0.049251	1.17E-06
183	487308.74	3857036.11	1.78269	2.71667	3.11177	1.79286	3.25E-03	0.00023	0.01653	1.9E-06	0.02002	3.98E-03	0.000283287	0.020212	1.07E-06	2.45E-02	0.003511	0.000218	0.043531	1.11E-06
184	487358.74	3857036.11	1.65374	2.68285	2.79373	1.70306	3.01E-03	0.00023	0.01484	1.8E-06	0.01809	3.69E-03	0.00027976	0.018146	1.02E-06	2.21E-02	0.003257	0.000215	0.039081	1.05E-06
185	487427.14	3856878.23	1.52595	0.80277	2.14541	1.3008	2.78E-03	6.8E-05	0.0114	1.4E-06	0.01425	3.41E-03	8.37106E-05	0.013935	7.76E-07	1.74E-02	0.003005	6.44E-05	0.030012	8.02E-07
186	487477.14	3856878.23	1.43239	0.84698	2.02025	1.26322	2.61E-03	7.2E-05	0.01073	1.3E-06	0.01342	3.20E-03	8.83207E-05	0.013122	7.54E-07	1.64E-02	0.002821	6.79E-05	0.028261	7.79E-07
187	487527.14	3856878.23	1.35096	0.89108	1.90809	1.22624	2.46E-03	7.6E-05	0.01014	1.3E-06	0.01268	3.02E-03	9.29193E-05	0.012394	7.32E-07	1.55E-02	0.002661	7.15E-05	0.026692	7.56E-07
188	487427.14	3856928.23	1.54752	1.10895	2.251	1.3839	2.82E-03	9.4E-05	0.01196	1.5E-06	0.01488	3.46E-03	0.000115638	0.014621	8.26E-07	1.82E-02	0.003048	8.9E-05	0.031489	8.53E-07
189	487477.14	3856928.23	1.44924	1.1647	2.10763	1.33435	2.64E-03	9.9E-05	0.0112	1.4E-06	0.01394	3.24E-03	0.000121452	0.01369	7.96E-07	1.70E-02	0.002854	9.34E-05	0.029484	8.23E-07
190	487527.14	3856928.23	1.36295	1.21107	1.97748	1.29535	2.48E-03	0.0001	0.01051	1.4E-06	0.0131	3.04E-03	0.000126287	0.012844	7.73E-07	1.60E-02	0.002684	9.71E-05	0.027663	7.99E-07
191	487577.14	3856928.23	1.28778	1.24916	1.86119	1.25897	2.35E-03	0.00011	0.00989	1.3E-06	0.01234	2.88E-03	0.000130259	0.012089	7.51E-07	1.51E-02	0.002536	0.0001	0.026036	7.76E-07
192	487627.14	3856928.23	1.22274	1.28132	1.75846	1.21922	2.23E-03	0.00011	0.00934	1.3E-06	0.01168	2.73E-03	0.000133612	0.011422	7.28E-07	1.43E-02	0.002408	0.000103	0.024599	7.52E-07
193	487677.14	3856928.23	1.1633	1.3025	1.66246	1.1919	2.12E-03	0.00011	0.00883	1.3E-06	0.01107	2.60E-03	0.000135821	0.010798	7.11E-07	1.35E-02	0.002291	0.000104	0.023256	7.35E-07
194	487727.14	3856928.23	1.10963	1.31605	1.57492	1.16763	2.02E-03	0.00011	0.00837	1.2E-06	0.0105	2.48E-03	0.000137234	0.01023	6.97E-07	1.28E-02	0.002185	0.000106	0.022032	7.2E-07
195	487777.14	3856928.23	1.0621	1.32516	1.49704	1.13849	1.94E-03	0.00011	0.00795	1.2E-06	0.01	2.37E-03	0.000138184	0.009724	6.79E-07	1.22E-02	0.002092	0.000106	0.020942	7.02E-07
196	487427.14	3856978.23	1.54232	1.62985	2.35627	1.47135	2.81E-03	0.00014	0.01252	1.6E-06	0.01547	3.45E-03	0.000169956	0.015305	8.78E-07	1.89E-02	0.003038	0.000131	0.032962	9.07E-07
197	487477.14	3856978.23	1.44371	1.66791	2.18515	1.42118	2.63E-03	0.00014	0.01161	1.5E-06	0.01439	3.22E-03	0.000173925	0.014193	8.48E-07	1.76E-02	0.002843	0.000134	0.030568	8.76E-07
198	487527.14	3856978.23	1.35872	1.69339	2.03626	1.37576	2.48E-03	0.00014	0.01082	1.5E-06	0.01344	3.04E-03	0.000176582	0.013226	8.21E-07	1.64E-02	0.002676	0.000136	0.028485	8.48E-07
199	487577.14	3856978.23	1.28527	1.70868	1.90618	1.33231	2.34E-03	0.00015	0.01013	1.4E-06	0.01262	2.87E-03	0.000178176	0.012381	7.95E-07	1.54E-02	0.002531	0.000137	0.026666	8.21E-07
200	487627.14	3856978.23	1.22138	1.71756	1.79261	1.28688	2.23E-03	0.00015	0.00952	1.4E-06	0.0119	2.73E-03	0.000179102	0.011644	7.68E-07	1.46E-02	0.002405	0.000138	0.025077	7.93E-07
201	487677.14	3856978.23	1.16224	1.7127	1.68756	1.25531	2.12E-03	0.00015	0.00897	1.3E-06	0.01123	2.60E-03	0.000178596	0.010961	7.49E-07	1.37E-02	0.002289	0.000137	0.023607	7.74E-07
202	487727.14	3856978.23	1.11276	1.71046	1.59895	1.2074	2.03E-03	0.00015	0.0085	1.3E-06	0.01067	2.49E-03	0.000178362	0.010386	7.21E-07	1.31E-02	0.002192	0.000137	0.022368	7.44E-07
203	487777.14	3856978.23	1.0612	1.68152	1.50841	1.19988	1.93E-03	0.00014	0.00801	1.3E-06	0.01009	2.37E-03	0.000175344	0.009798	7.16E-07	1.23E-02	0.00209	0.000135	0.021101	7.4E-07
204	487427.14	3857028.23	1.51393	2.45694	2.44175	1.58158	2.76E-03	0.00021	0.01297	1.7E-06	0.01594	3.38E-03	0.000256203	0.01586	9.44E-07	1.95E-02	0.002982	0.000197	0.034158	9.75E-07
205	487477.14	3857028.23	1.42348	2.4239	2.24523	1.51947	2.59E-03	0.00021	0.01193	1.6E-06	0.01473	3.18E-03	0.000252757	0.014583	9.07E-07	1.80E-02	0.002803	0.000194	0.031409	9.37E-07
206	487527.14	3857028.23	1.34505	2.38643	2.0791	1.4618	2.45E-03	0.0002	0.01105	1.6E-06	0.0137	3.00E-03	0.00024885	0.013504	8.72E-07	1.68E-02	0.002649	0.000191	0.029085	9.01E-07
207	487577.14	3857028.23	1.275	2.34053	1.93431	1.41349	2.32E-03	0.0002	0.01028	1.5E-06	0.0128	2.85E-03	0.000244064	0.012564	8.44E-07	1.57E-02	0.002511	0.000188	0.027059	8.72E-07
208	487627.14	3857028.23	1.21436	2.29873	1.81152	1.35972	2.21E-03	0.0002	0.00962	1.5E-06	0.01204	2.71E-03	0.000239705	0.011766	8.12E-07	1.47E-02	0.002392	0.000184	0.025341	8.38E-07
209	487677.14	3857028.23	1.15788	2.2446	1.69978	1.3213	2.11E-03	0.00019	0.00903	1.4E-06	0.01133	2.59E-03	0.000234061	0.011041	7.89E-07	1.39E-02	0.00228	0.00018	0.023778	8.15E-07
210	487727.14	3857028.23	1.10565	2.18258	1.59829	1.2925	2.02E-03	0.00019	0.00849	1.4E-06	0.01069	2.47E-03	0.000227593	0.010381	7.71E-07	1.31E-02	0.002178	0.000175	0.022358	7.97E-07
211	487777.14	3857028.23	1.05948	2.12322	1.50952	1.26002	1.93E-03	0.00018	0.00802	1.3E-06	0.01013	2.37E-03	0.000221403	0.009805	7.52E-07	1.24E-02	0.002087	0.00017	0.021117	7.77E-07
212	487427.14	3857078.23	1.48547	3.6535	2.50057	1.70369	2.71E-03	0.00031	0.01329	1.8E-06	0.01631	3.32E-03	0.000380977	0.016242	1.02E-06	1.99E-02	0.002926	0.000293	0.03498	1.05E-06
213	487477.14	3857078.23	1.40435	3.46934	2.28146	1.62541	2.56E-03	0.0003	0.01212	1.7E-06	0.01498	3.14E-03	0.000361773	0.014819	9.7E-07	1.83E-02	0.002766	0.000278	0.031915	1E-06
214	487527.14	3857078.23	1.33083	3.30118	2.09691	1.56149	2.43E-03	0.00028	0.01114	1.7E-06	0.01385	2.97E-03	0.000344238	0.01362	9.32E-07	1.69E-02	0.002621	0.000265	0.029334	9.63E-07
215	487577.14	3857078.23	1.26553	3.15216	1.94196	1.50251	2.31E-03	0.00027	0.01032	1.6E-06	0.01289	2.83E-03	0.000328698	0.012614	8.97E-07	1.58E-02	0.002492	0.000253	0.027166	9.26E-07
216	487627.14	3857078.23	1.20714	3.01912	1.81039	1.4457	2.20E-03	0.00026	0.00962	1.5E-06	0.01208	2.70E-03	0.000314825	0.011759	8.63E-07	1.48E-02	0.002377	0.000242	0.025326	8.91E-07
217	487677.14	3857078.23	1.15315	2.88759	1.69356	1.40032	2.10E-03	0.00025	0.009	1.5E-06	0.01135	2.58E-03	0.00030111	0.011	8.36E-07	1.39E-02	0.002271	0.000232	0.023691	8.63E-07
218	487727.14	3857078.23	1.10332	2.75992	1.58985	1.36226	2.01E-03	0.00023	0.00845	1.5E-06	0.01069	2.46E-03	0.000287797	0.010327	8.13E-07	1.31E-02	0.002173	0.000221	0.02224	8.4E-07
219	487777.14	3857078.23	1.05911	2.64639	1.50026	1.3201	1.93E-03	0.00023	0.00797	1.4E-06	0.01013	2.37E-03	0.000275958	0.009745	7.88E-07	1.24E-02	0.002086	0.000212	0.020987	8.14E-07
220	487427.14	3857128.23	1.47408	5.18842	2.52662	1.84782	2.69E-03	0.00044	0.01342	2E-06	0.01655	3.29E-03	0.000541034	0.016411	1.1E-06	2.02E-02	0.002903	0.000416	0.035345	1.14E-06
221	487477.14	3857128.23	1.39749	4.77391	2.28957	1.74914	2.55E-03	0.00041	0.01216	1.9E-06	0.01512	3.12E-03	0.00049781	0.014871	1.04E-06	1.85E-02	0.002752	0.000383	0.032029	1.08E-06
222	487527.14	3857128.23	1.32824	4.42941	2.09575	1.66541	2.42E-03	0.00038	0.01114	1.8E-06	0.01393	2.97E-03	0.000461886	0.013613	9.94E-07	1.70E-02	0.002616	0.000355	0.029317	1.03E-06
223	487577.14	3857128.23	1.26407	4.12615	1.93167	1.59877	2.30E-03	0.00035	0.01026	1.7E-06	0.01292	2.82E-03	0.000430263	0.012547	9.54E-07	1.58E-02	0.00249	0.000331	0.027022	9.86E-07
224	487627.14	3857128.23	1.20573	3.86077	1.79271	1.54041	2.20E-03	0.00033	0.00953	1.6E-06	0.01205	2.69E-03	0.00040259	0.011644	9.19E-07	1.47E-02	0.002375	0.00031	0.025078	9.5E-07
225	487677.14	3857128.23	1.15393	3.63356	1.67568	1.48062	2.10E-03	0.00031	0.0089	1.6E-06	0.01132	2.58E-03	0.000378897	0.010884	8.84E-07	1.38E-02	0.002273	0.000291	0.023441	9.13E-07
226	487727.14	3857128.23	1.10418	3.40951	1.56839	1.44226	2.01E-03	0.00029	0.00833	1.5E-06	0.01064	2.47E-03	0.000355534	0.010187	8.61E-07	1.30E-02	0.002175	0.000274	0.02194	8.89E-07
227	487777.14	3857128.23	1.06071	3.22269	1.47836	1.39375	1.93E-03	0.00027	0.00785	1.5E-06	0.01006	2.37E-03	0.000336053	0.009602	8.32E-07	1.23E-02	0.002089	0.000259	0.020681	8.59E-07
228	488049.44	3856539.39	0.7848	0.38922	1.04279	0.74586	1.43E-03	3.3E-05	0.00554	8E-07	0.00701	1.75E-03	4.05868E-05	0.006773	4.45E-07	8.57E-03	0.001546	3.12E-05	0.014588	4.6E-07
229	488099.44	3856539.39	0.76387	0.3973	1.01379	0.73015	1.39E-03	3.4E-05	0.00539	7.8E-07	0.00681	1.71E-03	4.14293E-05	0.006585	4.36E-07	8.33E-03	0.001504	3.19E-05	0.014182	4.5E-07
230	488149.44	3856539.39	0.74364	0.40516	0.98553	0.71849	1.36E-03	3.4E-05	0.00524	7.7E-07	0.00663	1.66E-03	4.22489E-05	0.006401	4.29E-07	8.11E-03	0.001465	3.25E-05	0.013787	4.43E-07
231	488049.44	3856589.39	0.80045	0.4356	1.06627	0.7772	1.46E-03	3.7E-05	0.00567	8.3E-07	0.00716	1.79E-03	4.54231E-05	0.006926	4.64E-07	8.76E-03	0.001576	3.49E-05	0.014916	4.79E-07
232	488099.44	3856589.39	0.77826	0.44502	1.03526	0.76141	1.42E-03	3.8E-05	0.0055	8.1E-07	0.00696	1.74E-03	4.64054E-05	0.006724	4.54E-07	8.51E-03	0.001533	3.57E-05	0.014482	4.69E-07
233	488149.44	3856589.39	0.75713	0.45396	1.00544	0.74731	1.38E-03	3.9E-05	0.00534	8E-07	0.00676	1.69E-03	4.73377E-05	0.006531	4.46E-07	8.27E-03	0.001491	3.64E-05	0.014065	4.61E-07
234	488199.44	3856589.39	0.73712	0.46252	0.97726	0.7315	1.34E-03	3.9E-05	0.00519	7.8E-07	0.00658	1.65E-03	4.82303E-05	0.006348	4.37E-07	8.04E-03	0.001452	3.71E-05	0.013671	4.51E-07
235	488249.44	3856589.39	0.7172	0.47049	0.94887	0.72637	1.31E-03	4E-05	0.00504	7.7E-07	0.00639	1.60E-03	4.90614E-05	0.006163	4.34E-07	7.81E-03	0.001413	3.77E-05	0.013274	4.48E-07
236	488049.44	3856639.39	0.81507	0.49498	1.08899	0.80823	1.49E-03	4.2E-05	0.00579	8.6E-07	0.00731	1.82E-03	5.16151E-05	0.007073	4.82E-07	8.95E-03	0.001605	3.97E-05	0.015234	4.98E-07
237	488099.44	3856639.39	0.79171	0.50549	1.05591	0.7916	1.44E-03	4.3E-05	0.00561	8.4E-07	0.0071	1.77E-03	5.27111E-05	0.006858	4.72E-07	8.68E-03	0.001559	4.05E-05	0.014771	4.88E-07
238	488149.44	3856639.39	0.76951	0.51527	1.0243	0.77599	1.40E-03	4.4E-05	0.00544	8.3E-07	0.00689	1.72E-03	5.37309E-05	0.006653	4.63E-07	8.43E-03	0.001516	4.13E-05	0.014329	4.78E-07
239	488199.44	3856639.39	0.74805	0.52414	0.99358	0.76458	1.36E-03	4.5E-05	0.00528	8.2E-07	0.00669	1.67E-03	5.46558E-05	0.006454	4.56E-07	8.18E-03	0.001473	4.2E-05	0.013899	4.71E-07
240	488249.44	3856639.39	0.72787	0.53253	0.96455	0.7521	1.33E-03	4.5E-05	0.00512	8E-07	0.0065	1.63E-03	5.55307E-05	0.006265	4.49E-07	7.95E-03	0.001434	4.27E-05	0.013493	4.64E-07

241	488299.44	3856639.39	0.70856	0.54019	0.93677	0.74041	1.29E-03	4.6E-05	0.00498	7.9E-07	0.00632	1.58E-03	5.63295E-05	0.006085	4.42E-07	7.72E-03	0.001395	4.33E-05	0.013104	4.57E-07
242	488349.44	3856639.39	0.69046	0.54734	0.91062	0.72666	1.26E-03	4.7E-05	0.00484	7.8E-07	0.00614	1.54E-03	5.70751E-05	0.005915	4.34E-07	7.51E-03	0.00136	4.39E-05	0.012739	4.48E-07
243	488399.44	3856639.39	0.67264	0.55295	0.88466	0.71923	1.23E-03	4.7E-05	0.0047	7.7E-07	0.00597	1.50E-03	5.76601E-05	0.005746	4.29E-07	7.31E-03	0.001325	4.44E-05	0.012376	4.43E-07
244	488099.44	3856689.39	0.80352	0.58151	1.07446	0.82521	1.46E-03	4.9E-05	0.00571	8.8E-07	0.00722	1.79E-03	6.06382E-05	0.006979	4.93E-07	8.83E-03	0.001583	4.66E-05	0.015031	5.09E-07
245	488149.44	3856689.39	0.78044	0.59168	1.0411	0.80771	1.42E-03	5E-05	0.00553	8.6E-07	0.00701	1.74E-03	6.16987E-05	0.006762	4.82E-07	8.57E-03	0.001537	4.75E-05	0.014564	4.98E-07
246	488199.44	3856689.39	0.75806	0.60045	1.00864	0.79482	1.38E-03	5.1E-05	0.00536	8.5E-07	0.00679	1.69E-03	6.26132E-05	0.006551	4.74E-07	8.31E-03	0.001493	4.82E-05	0.01411	4.9E-07
247	488249.44	3856689.39	0.73737	0.60881	0.97855	0.77839	1.34E-03	5.2E-05	0.0052	8.3E-07	0.0066	1.65E-03	6.3485E-05	0.006356	4.65E-07	8.07E-03	0.001452	4.88E-05	0.013689	4.8E-07
248	488299.44	3856689.39	0.717	0.61518	0.9487	0.76924	1.31E-03	5.2E-05	0.00504	8.2E-07	0.0064	1.60E-03	6.41492E-05	0.006162	4.59E-07	7.83E-03	0.001412	4.93E-05	0.013271	4.74E-07
249	488349.44	3856689.39	0.69826	0.62123	0.92127	0.75474	1.27E-03	5.3E-05	0.00489	8.1E-07	0.00622	1.56E-03	6.47801E-05	0.005984	4.5E-07	7.61E-03	0.001375	4.98E-05	0.012888	4.65E-07
250	488399.44	3856689.39	0.68087	0.62668	0.8958	0.7364	1.24E-03	5.3E-05	0.00476	7.9E-07	0.00605	1.52E-03	6.53484E-05	0.005818	4.4E-07	7.41E-03	0.001341	5.03E-05	0.012531	4.54E-07
251	488099.44	3856739.39	0.81333	0.67659	1.09053	0.86161	1.48E-03	5.8E-05	0.00579	9.2E-07	0.00734	1.82E-03	7.05529E-05	0.007083	5.14E-07	8.97E-03	0.001602	5.43E-05	0.015255	5.31E-07
252	488149.44	3856739.39	0.78977	0.68662	1.05584	0.84	1.44E-03	5.8E-05	0.00561	9E-07	0.00711	1.76E-03	7.15988E-05	0.006858	5.01E-07	8.69E-03	0.001555	5.51E-05	0.01477	5.18E-07
253	488199.44	3856739.39	0.76631	0.69364	1.02108	0.82867	1.40E-03	5.9E-05	0.00543	8.8E-07	0.00688	1.71E-03	7.23308E-05	0.006632	4.95E-07	8.42E-03	0.001509	5.56E-05	0.014284	5.11E-07
254	488249.44	3856739.39	0.745	0.70059	0.98953	0.81078	1.36E-03	6E-05	0.00526	8.6E-07	0.00668	1.66E-03	7.30555E-05	0.006427	4.84E-07	8.16E-03	0.001467	5.62E-05	0.013843	5E-07
255	488299.44	3856739.39	0.72525	0.70685	0.96034	0.78912	1.32E-03	6E-05	0.0051	8.4E-07	0.00649	1.62E-03	7.37083E-05	0.006238	4.71E-07	7.93E-03	0.001428	5.67E-05	0.013434	4.87E-07
256	488349.44	3856739.39	0.705	0.70885	0.92998	0.7827	1.29E-03	6E-05	0.00494	8.3E-07	0.00629	1.57E-03	7.39169E-05	0.00604	4.67E-07	7.69E-03	0.001388	5.69E-05	0.013009	4.83E-07
257	488399.44	3856739.39	0.68575	0.70937	0.90119	0.77517	1.25E-03	6E-05	0.00479	8.3E-07	0.0061	1.53E-03	7.39711E-05	0.005853	4.63E-07	7.46E-03	0.001351	5.69E-05	0.012607	4.78E-07
258	487999.44	3856789.39	0.87839	0.77875	1.18938	0.92404	1.60E-03	6.6E-05	0.00632	9.9E-07	0.00799	1.96E-03	8.12058E-05	0.007725	5.52E-07	9.77E-03	0.00173	6.25E-05	0.016638	5.7E-07
259	488049.44	3856789.39	0.84972	0.78877	1.14649	0.90612	1.55E-03	6.7E-05	0.00609	9.7E-07	0.00771	1.90E-03	8.22507E-05	0.007447	5.41E-07	9.43E-03	0.001673	6.33E-05	0.016038	5.59E-07
260	488099.44	3856789.39	0.82215	0.79583	1.10498	0.89395	1.50E-03	6.8E-05	0.00587	9.5E-07	0.00744	1.84E-03	8.29869E-05	0.007177	5.34E-07	9.10E-03	0.001619	6.38E-05	0.015458	5.51E-07
261	488149.44	3856789.39	0.79741	0.80301	1.0677	0.87413	1.45E-03	6.8E-05	0.00567	9.3E-07	0.0072	1.78E-03	8.37356E-05	0.006935	5.22E-07	8.80E-03	0.00157	6.44E-05	0.014936	5.39E-07
262	488199.44	3856789.39	0.77349	0.80741	1.03161	0.85919	1.41E-03	6.9E-05	0.00548	9.2E-07	0.00696	1.73E-03	8.41944E-05	0.006701	5.13E-07	8.51E-03	0.001523	6.48E-05	0.014431	5.3E-07
263	488249.44	3856789.39	0.75144	0.81079	0.99826	0.84145	1.37E-03	6.9E-05	0.0053	9E-07	0.00674	1.68E-03	8.45469E-05	0.006484	5.02E-07	8.25E-03	0.00148	6.5E-05	0.013965	5.19E-07
264	488299.44	3856789.39	0.73114	0.81314	0.96743	0.82081	1.33E-03	6.9E-05	0.00514	8.8E-07	0.00654	1.63E-03	8.47919E-05	0.006284	4.9E-07	8.00E-03	0.00144	6.52E-05	0.013533	5.06E-07
265	488349.44	3856789.39	0.71014	0.81036	0.93558	0.8137	1.29E-03	6.9E-05	0.00497	8.7E-07	0.00634	1.59E-03	8.45021E-05	0.006077	4.86E-07	7.75E-03	0.001399	6.5E-05	0.013088	5.02E-07
266	488399.44	3856789.39	0.69076	0.80682	0.9062	0.80259	1.26E-03	6.9E-05	0.00481	8.6E-07	0.00614	1.54E-03	8.41329E-05	0.005886	4.79E-07	7.51E-03	0.00136	6.47E-05	0.012677	4.95E-07
267	487949.44	3856839.39	0.91847	0.9263	1.25404	0.98011	1.67E-03	7.9E-05	0.00666	1E-06	0.00842	2.05E-03	9.65919E-05	0.008145	5.85E-07	1.03E-02	0.001809	7.43E-05	0.017543	6.04E-07
268	487999.44	3856839.39	0.88667	0.93423	1.20519	0.96085	1.62E-03	7.9E-05	0.0064	1E-06	0.0081	1.98E-03	9.74189E-05	0.007828	5.73E-07	9.91E-03	0.001746	7.49E-05	0.016859	5.92E-07
269	488049.44	3856839.39	0.85711	0.94004	1.15971	0.94141	1.56E-03	8E-05	0.00616	1E-06	0.00781	1.91E-03	9.80247E-05	0.007533	5.62E-07	9.55E-03	0.001688	7.54E-05	0.016223	5.8E-07
270	488099.44	3856839.39	0.82908	0.94282	1.11644	0.92541	1.51E-03	8E-05	0.00593	9.9E-07	0.00752	1.85E-03	9.83146E-05	0.007252	5.52E-07	9.20E-03	0.001633	7.56E-05	0.015618	5.71E-07
271	488149.44	3856839.39	0.80296	0.94346	1.0761	0.90959	1.46E-03	8E-05	0.00572	9.7E-07	0.00726	1.79E-03	9.83813E-05	0.00699	5.43E-07	8.88E-03	0.001581	7.57E-05	0.015054	5.61E-07
272	488199.44	3856839.39	0.77856	0.94215	1.0383	0.89344	1.42E-03	8E-05	0.00552	9.5E-07	0.00702	1.74E-03	9.82447E-05	0.006744	5.33E-07	8.58E-03	0.001533	7.56E-05	0.014525	5.51E-07
273	487949.44	3856889.39	0.92507	1.12837	1.26876	1.017	1.69E-03	9.6E-05	0.00674	1.1E-06	0.00852	2.07E-03	0.000117663	0.008241	6.07E-07	1.04E-02	0.001822	9.05E-05	0.017749	6.27E-07
274	487999.44	3856889.39	0.89147	1.12589	1.21545	1.00293	1.62E-03	9.6E-05	0.00646	1.1E-06	0.00818	1.99E-03	0.000117405	0.007895	5.99E-07	1.00E-02	0.001756	9.03E-05	0.017003	6.18E-07
275	488049.44	3856889.39	0.86235	1.12539	1.16878	0.97669	1.57E-03	9.6E-05	0.00621	1E-06	0.00788	1.93E-03	0.000117352	0.007592	5.83E-07	9.64E-03	0.001698	9.03E-05	0.01635	6.02E-07
276	488099.44	3856889.39	0.83342	1.1182	1.12273	0.96249	1.52E-03	9.5E-05	0.00597	1E-06	0.00758	1.86E-03	0.000116603	0.007292	5.74E-07	9.27E-03	0.001641	8.97E-05	0.015706	5.93E-07
277	488635.86	3857895.05	0.58048	0.67583	0.33193	1.4195	1.06E-03	5.8E-05	0.00176	1.5E-06	0.00288	1.30E-03	7.04736E-05	0.002156	8.47E-07	3.52E-03	0.001143	5.42E-05	0.004643	8.75E-07
278	489137.64	3857804.15	0.45726	0.63989	0.3333	0.88961	8.34E-04	5.4E-05	0.00177	9.5E-07	0.00266	1.02E-03	6.67259E-05	0.002165	5.31E-07	3.25E-03	0.000901	5.13E-05	0.004663	5.49E-07
279	488617.32	3857859.41	0.59724	0.73036	0.35491	1.45762	1.09E-03	6.2E-05	0.00189	1.6E-06	0.00304	1.33E-03	7.61599E-05	0.002305	8.7E-07	3.72E-03	0.001176	5.86E-05	0.004965	8.99E-07
280	488667.32	3857859.41	0.57803	0.71645	0.35092	1.37118	1.05E-03	6.1E-05	0.00186	1.5E-06	0.00298	1.29E-03	7.47094E-05	0.002279	8.18E-07	3.65E-03	0.001138	5.75E-05	0.004909	8.45E-07
281	488717.32	3857859.41	0.56023	0.70263	0.34688	1.29376	1.02E-03	6E-05	0.00184	1.4E-06	0.00293	1.25E-03	7.32683E-05	0.002253	7.72E-07	3.58E-03	0.001103	5.64E-05	0.004853	7.98E-07
282	488767.32	3857859.41	0.54304	0.68657	0.34183	1.22781	9.90E-04	5.8E-05	0.00182	1.3E-06	0.00287	1.21E-03	7.15936E-05	0.00222	7.33E-07	3.51E-03	0.001069	5.51E-05	0.004782	7.57E-07
283	488617.32	3857909.41	0.58391	0.66139	0.32477	1.44761	1.06E-03	5.6E-05	0.00173	1.5E-06	0.00285	1.30E-03	6.89679E-05	0.002109	8.64E-07	3.48E-03	0.00115	5.31E-05	0.004543	8.93E-07
284	488667.32	3857909.41	0.56487	0.64795	0.32111	1.36081	1.03E-03	5.5E-05	0.00171	1.5E-06	0.00279	1.26E-03	6.75664E-05	0.002086	8.12E-07	3.42E-03	0.001112	5.2E-05	0.004492	8.39E-07
285	488717.32	3857909.41	0.54856	0.6397	0.31954	1.27504	1.00E-03	5.4E-05	0.0017	1.4E-06	0.00275	1.23E-03	6.67061E-05	0.002076	7.61E-07	3.37E-03	0.00108	5.13E-05	0.00447	7.86E-07
286	488767.32	3857909.41	0.53227	0.62726	0.31611	1.20546	9.70E-04	5.3E-05	0.00168	1.3E-06	0.0027	1.19E-03	6.54089E-05	0.002053	7.19E-07	3.31E-03	0.001048	5.03E-05	0.004422	7.43E-07
287	488417.32	3857959.41	0.65955	0.62672	0.3014	1.94441	1.20E-03	5.3E-05	0.0016	2.1E-06	0.00286	1.47E-03	6.53526E-05	0.001958	1.16E-06	3.50E-03	0.001299	5.03E-05	0.004216	1.2E-06
288	488467.32	3857959.41	0.63473	0.62081	0.30078	1.77453	1.16E-03	5.3E-05	0.0016	1.9E-06	0.00281	1.42E-03	6.47363E-05	0.001954	1.06E-06	3.44E-03	0.00125	4.98E-05	0.004208	1.09E-06
289	488517.32	3857959.41	0.61208	0.61369	0.2997	1.63251	1.12E-03	5.2E-05	0.00159	1.7E-06	0.00276	1.37E-03	6.39939E-05	0.001947	9.74E-07	3.38E-03	0.001205	4.92E-05	0.004193	1.01E-06
290	488567.32	3857959.41	0.59131	0.60567	0.29827	1.51166	1.08E-03	5.2E-05	0.00158	1.6E-06	0.00272	1.32E-03	6.31576E-05	0.001937	9.02E-07	3.32E-03	0.001165	4.86E-05	0.004172	9.32E-07
291	488617.32	3857959.41	0.57229	0.59815	0.29707	1.40522	1.04E-03	5.1E-05	0.00158	1.5E-06	0.00267	1.28E-03	6.23734E-05	0.00193	8.39E-07	3.27E-03	0.001127	4.8E-05	0.004156	8.66E-07
292	488667.32	3857959.41	0.55457	0.59033	0.29573	1.31278	1.01E-03	5E-05	0.00157	1.4E-06	0.00263	1.24E-03	6.15579E-05	0.001921	7.84E-07	3.22E-03	0.001092	4.74E-05	0.004137	8.09E-07
293	488717.32	3857959.41	0.53811	0.58128	0.29382	1.23355	9.81E-04	4.9E-05	0.00156	1.3E-06	0.00259	1.20E-03	6.06142E-05	0.001908	7.36E-07	3.17E-03	0.00106	4.66E-05	0.00411	7.61E-07
294	488767.32	3857959.41	0.52288	0.57287	0.2921	1.16244	9.53E-04	4.9E-05	0.00155	1.2E-06	0.00256	1.17E-03	5.97373E-05	0.001897	6.94E-07	3.13E-03	0.00103	4.6E-05	0.004086	7.17E-07
295	488417.32	3858009.41	0.64806	0.55766	0.27261	1.83426	1.18E-03	4.7E-05	0.00145	2E-06	0.00268	1.45E-03	5.81512E-05	0.001771	1.09E-06	3.28E-03	0.001276	4.47E-05	0.003814	1.13E-06
296	488467.32	3858009.41	0.62418	0.55451	0.27276	1.6729	1.14E-03	4.7E-05	0.00145	1.8E-06	0.00264	1.39E-03	5.78227E-05	0.001772	9.98E-07	3.22E-03	0.001229	4.45E-05	0.003816	1.03E-06
297	488517.32	3858009.41	0.60235	0.55063	0.27274	1.53787	1.10E-03	4.7E-05	0.00145	1.6E-06	0.0026	1.35E-03	5.74181E-05	0.001772	9.18E-07	3.18E-03	0.001186	4.42E-05	0.003815	9.48E-07
298	488567.32	3858009.41	0.58266	0.54559	0.27231	1.42991	1.06E-03	4.6E-05	0.00145	1.5E-06	0.00256	1.30E-03	5.68926E-05	0.001769	8.53E-07	3.13E-03	0.001148	4.38E-05	0.003809	8.82E-07
299	488617.32	3858009.41	0.56411	0.54155	0.27235	1.3285	1.03E-03	4.6E-05	0.00145	1.4E-06	0.00252	1.26E-03	5.64713E-05	0.001769	7.93E-07	3.09E-03	0.001111	4.34E-05	0.00381	8.19E-07
300	488667.32	3858009.41	0.5465	0.53667	0.27208	1.23732	9.96E-04	4.6E-05	0.00145	1.3E-06	0.00249	1.22E-03	5.59624E-05	0.001767	7.38E-07	3.04E-03	0.001076	4.31E-05	0.003806	7.63E-07
301	488717.32	3858009.41	0.53045	0.53057	0.27128	1.16674	9.67E-04	4.5E-05	0.00144	1.2E-06	0.00245	1.18E-03	5.53263E-05	0.001762	6.96E-07	3.00E-03	0.001045	4.26E-05	0.003795	7.19E-07

302	488767.32	3858009.41	0.51558	0.52408	0.2703	1.10097	9.40E-04	4.5E-05	0.00144	1.2E-06	0.00242	1.15E-03	5.46496E-05	0.001756	6.57E-07	2.96E-03	0.001015	4.2E-05	0.003781	6.79E-07
303	488417.32	3858059.41	0.64409	0.49614	0.24827	1.636	1.17E-03	4.2E-05	0.00132	1.7E-06	0.00254	1.44E-03	5.17361E-05	0.001613	9.76E-07	3.10E-03	0.001269	3.98E-05	0.003473	1.01E-06
304	488467.32	3858059.41	0.62046	0.49511	0.24839	1.5148	1.13E-03	4.2E-05	0.00132	1.6E-06	0.00249	1.39E-03	5.16287E-05	0.001613	9.04E-07	3.05E-03	0.001222	3.97E-05	0.003475	9.34E-07
305	488517.32	3858059.41	0.59872	0.49382	0.24886	1.39922	1.09E-03	4.2E-05	0.00132	1.5E-06	0.00246	1.34E-03	5.14942E-05	0.001616	8.35E-07	3.01E-03	0.001179	3.96E-05	0.003481	8.63E-07
306	488567.32	3858059.41	0.57878	0.49164	0.24922	1.30136	1.06E-03	4.2E-05	0.00132	1.4E-06	0.00242	1.29E-03	5.12668E-05	0.001619	7.77E-07	2.96E-03	0.00114	3.94E-05	0.003486	8.02E-07
307	488617.32	3858059.41	0.55985	0.48898	0.24953	1.21693	1.02E-03	4.2E-05	0.00133	1.3E-06	0.00239	1.25E-03	5.09895E-05	0.001621	7.26E-07	2.92E-03	0.001103	3.92E-05	0.003491	7.5E-07
308	488667.32	3858059.41	0.54236	0.48669	0.25009	1.14247	9.89E-04	4.1E-05	0.00133	1.2E-06	0.00236	1.21E-03	5.07507E-05	0.001624	6.82E-07	2.89E-03	0.001068	3.9E-05	0.003499	7.04E-07
309	488417.32	3858109.41	0.64736	0.44469	0.22978	1.38049	1.18E-03	3.8E-05	0.00122	1.5E-06	0.00244	1.45E-03	4.6371E-05	0.001492	8.24E-07	2.99E-03	0.001275	3.57E-05	0.003214	8.51E-07
310	488467.32	3858109.41	0.62336	0.44419	0.22885	1.30428	1.14E-03	3.8E-05	0.00122	1.4E-06	0.00239	1.39E-03	4.63189E-05	0.001486	7.78E-07	2.93E-03	0.001228	3.56E-05	0.003201	8.04E-07
311	488517.32	3858109.41	0.60143	0.44351	0.22857	1.22296	1.10E-03	3.8E-05	0.00121	1.3E-06	0.00235	1.34E-03	4.6248E-05	0.001485	7.3E-07	2.88E-03	0.001184	3.56E-05	0.003197	7.54E-07
312	488567.32	3858109.41	0.57998	0.44319	0.22898	1.15012	1.06E-03	3.8E-05	0.00122	1.2E-06	0.00231	1.30E-03	4.62146E-05	0.001487	6.86E-07	2.83E-03	0.001142	3.56E-05	0.003203	7.09E-07
313	488617.32	3858109.41	0.56016	0.44205	0.2294	1.08605	1.02E-03	3.8E-05	0.00122	1.2E-06	0.00228	1.25E-03	4.60957E-05	0.00149	6.48E-07	2.79E-03	0.001103	3.55E-05	0.003209	6.7E-07
314	488667.32	3858109.41	0.54136	0.44179	0.23044	1.02776	9.87E-04	3.8E-05	0.00122	1.1E-06	0.00225	1.21E-03	4.60686E-05	0.001497	6.13E-07	2.75E-03	0.001066	3.54E-05	0.003224	6.34E-07
315	488769.93	3858449.27	0.61642	0.24375	0.15202	0.41061	1.12E-03	2.1E-05	0.00081	4.4E-07	0.00195	1.38E-03	2.54176E-05	0.000987	2.45E-07	2.39E-03	0.001214	1.96E-05	0.002127	2.53E-07
316	488819.93	3858449.27	0.58051	0.24473	0.15129	0.40914	1.06E-03	2.1E-05	0.0008	4.4E-07	0.00188	1.30E-03	2.55198E-05	0.000983	2.44E-07	2.31E-03	0.001143	1.96E-05	0.002116	2.52E-07
317	488819.93	3858499.27	0.61924	0.22757	0.14502	0.36689	1.13E-03	1.9E-05	0.00077	3.9E-07	0.00192	1.38E-03	2.37304E-05	0.000942	2.19E-07	2.35E-03	0.00122	1.83E-05	0.002029	2.26E-07
318	488869.93	3858499.27	0.58115	0.2284	0.1443	0.36612	1.06E-03	1.9E-05	0.00077	3.9E-07	0.00185	1.30E-03	2.38169E-05	0.000937	2.19E-07	2.26E-03	0.001145	1.83E-05	0.002019	2.26E-07
319	488869.93	3858549.27	0.62256	0.2134	0.1387	0.33105	1.13E-03	1.8E-05	0.00074	3.5E-07	0.00189	1.39E-03	2.22527E-05	0.000901	1.98E-07	2.31E-03	0.001226	1.71E-05	0.00194	2.04E-07
320	489438.17	3859571.48	0.10282	0.09108	0.07329	0.11152	1.87E-04	7.8E-06	0.00039	1.2E-07	0.00058	2.30E-04	9.49756E-06	0.000476	6.66E-08	7.15E-04	0.000203	7.31E-06	0.001025	6.88E-08
321	489488.17	3859571.48	0.10256	0.0912	0.07333	0.11173	1.87E-04	7.8E-06	0.00039	1.2E-07	0.00058	2.29E-04	9.51008E-06	0.000476	6.67E-08	7.15E-04	0.000202	7.32E-06	0.001026	6.89E-08
322	489538.17	3859571.48	0.10215	0.09122	0.0733	0.11179	1.86E-04	7.8E-06	0.00039	1.2E-07	0.00058	2.28E-04	9.51216E-06	0.000476	6.67E-08	7.14E-04	0.000201	7.32E-06	0.001025	6.89E-08
323	489588.17	3859571.48	0.1015	0.09101	0.0731	0.11167	1.85E-04	7.7E-06	0.00039	1.2E-07	0.00058	2.27E-04	9.49027E-06	0.000475	6.66E-08	7.11E-04	0.0002	7.3E-06	0.001023	6.89E-08
324	489438.17	3859621.48	0.0983	0.08791	0.07118	0.10726	1.79E-04	7.5E-06	0.00038	1.1E-07	0.00056	2.20E-04	9.16701E-06	0.000462	6.4E-08	6.91E-04	0.000194	7.05E-06	0.000996	6.61E-08
325	489488.17	3859621.48	0.09818	0.08808	0.07126	0.10759	1.79E-04	7.5E-06	0.00038	1.1E-07	0.00057	2.19E-04	9.18473E-06	0.000463	6.42E-08	6.91E-04	0.000193	7.07E-06	0.000997	6.63E-08
326	489538.17	3859621.48	0.09795	0.08821	0.07132	0.10781	1.79E-04	7.5E-06	0.00038	1.2E-07	0.00057	2.19E-04	9.19829E-06	0.000463	6.43E-08	6.91E-04	0.000193	7.08E-06	0.000998	6.65E-08
327	489588.17	3859621.48	0.09768	0.08837	0.07138	0.1079	1.78E-04	7.5E-06	0.00038	1.2E-07	0.00056	2.18E-04	9.21497E-06	0.000464	6.44E-08	6.91E-04	0.000192	7.09E-06	0.000999	6.65E-08
328	489238.17	3859671.48	0.09314	0.08347	0.06813	0.10152	1.70E-04	7.1E-06	0.00036	1.1E-07	0.00054	2.08E-04	8.70402E-06	0.000443	6.06E-08	6.59E-04	0.000183	6.7E-06	0.000953	6.26E-08
329	489288.17	3859671.48	0.09343	0.08378	0.06836	0.10189	1.70E-04	7.1E-06	0.00036	1.1E-07	0.00054	2.09E-04	8.73634E-06	0.000444	6.08E-08	6.62E-04	0.000184	6.72E-06	0.000956	6.28E-08
330	489338.17	3859671.48	0.09375	0.08419	0.06865	0.10231	1.71E-04	7.2E-06	0.00036	1.1E-07	0.00054	2.09E-04	8.7791E-06	0.000446	6.11E-08	6.64E-04	0.000185	6.75E-06	0.00096	6.31E-08
331	489388.17	3859671.48	0.09409	0.08469	0.069	0.10277	1.72E-04	7.2E-06	0.00037	1.1E-07	0.00055	2.10E-04	8.83123E-06	0.000448	6.13E-08	6.67E-04	0.000185	6.79E-06	0.000965	6.34E-08
332	489438.17	3859671.48	0.09414	0.08492	0.06915	0.10318	1.72E-04	7.2E-06	0.00037	1.1E-07	0.00055	2.10E-04	8.85522E-06	0.000449	6.16E-08	6.68E-04	0.000185	6.81E-06	0.000967	6.36E-08
333	489488.17	3859671.48	0.09427	0.08534	0.06942	0.1036	1.72E-04	7.3E-06	0.00037	1.1E-07	0.00055	2.11E-04	8.89901E-06	0.000451	6.18E-08	6.70E-04	0.000186	6.85E-06	0.000971	6.39E-08
334	489538.17	3859671.48	0.09422	0.08559	0.06957	0.10393	1.72E-04	7.3E-06	0.00037	1.1E-07	0.00055	2.10E-04	8.92508E-06	0.000452	6.2E-08	6.71E-04	0.000186	6.87E-06	0.000973	6.41E-08
335	489588.17	3859671.48	0.09408	0.08581	0.06968	0.10416	1.71E-04	7.3E-06	0.00037	1.1E-07	0.00055	2.10E-04	8.94802E-06	0.000453	6.22E-08	6.72E-04	0.000185	6.88E-06	0.000975	6.42E-08
336	489238.17	3859721.48	0.08919	0.08067	0.06617	0.09778	1.63E-04	6.9E-06	0.00035	1E-07	0.00052	1.99E-04	8.41204E-06	0.00043	5.84E-08	6.37E-04	0.000176	6.47E-06	0.000926	6.03E-08
337	489288.17	3859721.48	0.08966	0.08118	0.06653	0.09815	1.63E-04	6.9E-06	0.00035	1E-07	0.00052	2.00E-04	8.46522E-06	0.000432	5.86E-08	6.41E-04	0.000177	6.51E-06	0.000931	6.05E-08
338	489338.17	3859721.48	0.08997	0.08155	0.06679	0.09852	1.64E-04	6.9E-06	0.00035	1.1E-07	0.00053	2.01E-04	8.5038E-06	0.000434	5.88E-08	6.43E-04	0.000177	6.54E-06	0.000934	6.07E-08
339	489388.17	3859721.48	0.0902	0.08188	0.06704	0.09892	1.64E-04	7E-06	0.00036	1.1E-07	0.00053	2.01E-04	8.53821E-06	0.000435	5.9E-08	6.46E-04	0.000178	6.57E-06	0.000938	6.1E-08
340	489438.17	3859721.48	0.09033	0.08215	0.06724	0.09932	1.65E-04	7E-06	0.00036	1.1E-07	0.00053	2.02E-04	8.56637E-06	0.000437	5.93E-08	6.47E-04	0.000178	6.59E-06	0.000941	6.12E-08
341	489488.17	3859721.48	0.09058	0.08264	0.06757	0.09976	1.65E-04	7E-06	0.00036	1.1E-07	0.00053	2.02E-04	8.61747E-06	0.000439	5.95E-08	6.50E-04	0.000178	6.63E-06	0.000945	6.15E-08
342	489538.17	3859721.48	0.09066	0.083	0.0678	0.10015	1.65E-04	7.1E-06	0.00036	1.1E-07	0.00053	2.03E-04	8.65501E-06	0.00044	5.98E-08	6.52E-04	0.000179	6.66E-06	0.000948	6.17E-08
343	489588.17	3859721.48	0.09063	0.08328	0.06797	0.10047	1.65E-04	7.1E-06	0.00036	1.1E-07	0.00053	2.02E-04	8.6842E-06	0.000441	6E-08	6.53E-04	0.000178	6.68E-06	0.000951	6.19E-08
344	489238.17	3859771.48	0.08562	0.07808	0.06435	0.09431	1.56E-04	6.6E-06	0.00034	1E-07	0.0005	1.91E-04	8.14196E-06	0.000418	5.63E-08	6.17E-04	0.000169	6.26E-06	0.0009	5.81E-08
345	489288.17	3859771.48	0.08606	0.07857	0.06469	0.09464	1.57E-04	6.7E-06	0.00034	1E-07	0.00051	1.92E-04	8.19306E-06	0.00042	5.65E-08	6.21E-04	0.000169	6.3E-06	0.000905	5.84E-08
346	489338.17	3859771.48	0.08629	0.07884	0.06488	0.09495	1.57E-04	6.7E-06	0.00034	1E-07	0.00051	1.93E-04	8.22121E-06	0.000421	5.67E-08	6.22E-04	0.00017	6.32E-06	0.000908	5.85E-08
347	489388.17	3859771.48	0.0866	0.07921	0.06516	0.0953	1.58E-04	6.7E-06	0.00035	1E-07	0.00051	1.93E-04	8.25979E-06	0.000423	5.69E-08	6.25E-04	0.000171	6.35E-06	0.000912	5.88E-08
348	489438.17	3859771.48	0.08674	0.07946	0.06535	0.09567	1.58E-04	6.8E-06	0.00035	1E-07	0.00051	1.94E-04	8.28586E-06	0.000424	5.71E-08	6.27E-04	0.000171	6.37E-06	0.000914	5.9E-08
349	489488.17	3859771.48	0.08712	0.08007	0.06577	0.09611	1.59E-04	6.8E-06	0.00035	1E-07	0.00052	1.95E-04	8.34947E-06	0.000427	5.74E-08	6.30E-04	0.000172	6.42E-06	0.00092	5.93E-08
350	489538.17	3859771.48	0.08734	0.08054	0.0661	0.09651	1.59E-04	6.9E-06	0.00035	1E-07	0.00052	1.95E-04	8.39848E-06	0.000429	5.76E-08	6.33E-04	0.000172	6.46E-06	0.000925	5.95E-08
351	489588.17	3859771.48	0.08734	0.08077	0.06625	0.09688	1.59E-04	6.9E-06	0.00035	1E-07	0.00052	1.95E-04	8.42247E-06	0.00043	5.78E-08	6.34E-04	0.000172	6.48E-06	0.000927	5.97E-08
352	489238.17	3859821.48	0.08227	0.07556	0.06259	0.09105	1.50E-04	6.4E-06	0.00033	9.7E-08	0.00049	1.84E-04	7.87918E-06	0.000407	5.43E-08	5.98E-04	0.000162	6.06E-06	0.000876	5.61E-08
353	489288.17	3859821.48	0.0827	0.07606	0.06291	0.09135	1.51E-04	6.5E-06	0.00033	9.7E-08	0.00049	1.85E-04	7.93132E-06	0.000409	5.45E-08	6.01E-04	0.000163	6.1E-06	0.00088	5.63E-08
354	489338.17	3859821.48	0.08297	0.07635	0.06311	0.09162	1.51E-04	6.5E-06	0.00034	9.8E-08	0.00049	1.85E-04	7.96156E-06	0.00041	5.47E-08	6.03E-04	0.000163	6.12E-06	0.000883	5.65E-08
355	489388.17	3859821.48	0.08326	0.0767	0.06336	0.09193	1.52E-04	6.5E-06	0.00034	9.8E-08	0.0005	1.86E-04	7.99806E-06	0.000412	5.49E-08	6.06E-04	0.000164	6.15E-06	0.000886	5.67E-08
356	489438.17	3859821.48	0.08365	0.07721	0.06373	0.0923	1.52E-04	6.6E-06	0.00034	9.8E-08	0.0005	1.87E-04	8.05124E-06	0.000414	5.51E-08	6.09E-04	0.000165	6.19E-06	0.000892	5.69E-08
357	489488.17	3859821.48	0.08396	0.07769	0.06409	0.09267	1.53E-04	6.6E-06	0.00034	9.9E-08	0.0005	1.88E-04	8.10129E-06	0.000416	5.53E-08	6.12E-04	0.000165	6.23E-06	0.000897	5.71E-08
358	489538.17	3859821.48	0.0842	0.07817	0.06443	0.09304	1.53E-04	6.7E-06	0.00034	9.9E-08	0.0005	1.88E-04	8.15135E-06	0.000418	5.55E-08	6.15E-04	0.000166	6.27E-06	0.000901	5.74E-08
359	489588.17	3859821.48	0.08427	0.07844	0.06462	0.09342	1.54E-04	6.7E-06	0.00034	1E-07	0.0005	1.88E-04	8.1795E-06	0.00042	5.58E-08	6.16E-04	0.000166	6.29E-06	0.000904	5.76E-08
360	489238.17	3859871.48	0.07926	0.07325	0.06098	0.08801	1.44E-04	6.2E-06	0.00032	9.4E-08	0.00047	1.77E-04	7.6383E-06	0.000396	5.25E-08	5.81E-04	0.000156	5.88E-06	0.000853	5.43E-08
361	489288.17	3859871.48	0.07956	0.07362	0.06119	0.08825	1.45E-04	6.3E-06	0.00033	9.4E-08	0.00048	1.78E-04	7.67689E-06	0.000397	5.27E-08	5.83E-04	0.000157	5.91E-06	0.000856	5.44E-08
362	489338.17	3859871.48	0.07987	0.07398	0.06142	0.08851	1.46E-04	6.3E-06	0.00033	9.4E-08	0.00048	1.78E-04	7.71443E-06	0.000399	5.28E-08	5.85E-04	0.000157	5.93E-06	0.000859	5.46E-08

363	489388.17	3859871.48	0.08028	0.07446	0.06175	0.0888	1.46E-04	6.3E-06	0.00033	9.5E-08	0.00048	1.79E-04	7.76448E-06	0.000401	5.3E-08	5.88E-04	0.000158	5.97E-06	0.000864	5.48E-08
364	489438.17	3859871.48	0.08078	0.07511	0.06221	0.08912	1.47E-04	6.4E-06	0.00033	9.5E-08	0.00048	1.80E-04	7.83226E-06	0.000404	5.32E-08	5.92E-04	0.000159	6.03E-06	0.00087	5.49E-08
365	489488.17	3859871.48	0.08123	0.07581	0.06271	0.08941	1.48E-04	6.5E-06	0.00033	9.5E-08	0.00049	1.81E-04	7.90525E-06	0.000407	5.34E-08	5.97E-04	0.00016	6.08E-06	0.000877	5.51E-08
366	489538.17	3859871.48	0.08132	0.076	0.06287	0.08976	1.48E-04	6.5E-06	0.00033	9.6E-08	0.00049	1.82E-04	7.92507E-06	0.000408	5.36E-08	5.98E-04	0.00016	6.1E-06	0.000879	5.53E-08
367	489588.17	3859871.48	0.08146	0.07633	0.06312	0.09011	1.48E-04	6.5E-06	0.00034	9.6E-08	0.00049	1.82E-04	7.95948E-06	0.00041	5.38E-08	6.00E-04	0.00016	6.12E-06	0.000883	5.56E-08
368	489238.17	3859921.48	0.07657	0.07116	0.05953	0.08518	1.40E-04	6.1E-06	0.00032	9.1E-08	0.00046	1.71E-04	7.42036E-06	0.000387	5.08E-08	5.65E-04	0.000151	5.71E-06	0.000833	5.25E-08
369	489288.17	3859921.48	0.07694	0.07166	0.05981	0.08543	1.40E-04	6.1E-06	0.00032	9.1E-08	0.00046	1.72E-04	7.4725E-06	0.000388	5.1E-08	5.68E-04	0.000152	5.75E-06	0.000837	5.27E-08
370	489338.17	3859921.48	0.07723	0.07202	0.06002	0.08564	1.41E-04	6.1E-06	0.00032	9.1E-08	0.00047	1.73E-04	7.51004E-06	0.00039	5.11E-08	5.70E-04	0.000152	5.78E-06	0.00084	5.28E-08
371	489388.17	3859921.48	0.07768	0.07257	0.06038	0.08589	1.42E-04	6.2E-06	0.00032	9.2E-08	0.00047	1.74E-04	7.56739E-06	0.000392	5.13E-08	5.73E-04	0.000153	5.82E-06	0.000845	5.3E-08
372	489438.17	3859921.48	0.0782	0.0733	0.06089	0.08611	1.43E-04	6.2E-06	0.00032	9.2E-08	0.00047	1.75E-04	7.64352E-06	0.000395	5.14E-08	5.78E-04	0.000154	5.88E-06	0.000852	5.31E-08
373	489488.17	3859921.48	0.07848	0.07372	0.06119	0.08636	1.43E-04	6.3E-06	0.00033	9.2E-08	0.00047	1.75E-04	7.68731E-06	0.000397	5.15E-08	5.80E-04	0.000155	5.91E-06	0.000856	5.32E-08
374	489538.17	3859921.48	0.07865	0.074	0.06141	0.08665	1.43E-04	6.3E-06	0.00033	9.2E-08	0.00048	1.76E-04	7.71651E-06	0.000399	5.17E-08	5.82E-04	0.000155	5.94E-06	0.000859	5.34E-08
375	489588.17	3859921.48	0.07889	0.07446	0.06175	0.08696	1.44E-04	6.3E-06	0.00033	9.3E-08	0.00048	1.76E-04	7.76448E-06	0.000401	5.19E-08	5.85E-04	0.000155	5.97E-06	0.000864	5.36E-08
376	489238.17	3859971.48	0.07411	0.06924	0.05821	0.08253	1.35E-04	5.9E-06	0.00031	8.8E-08	0.00045	1.66E-04	7.22015E-06	0.000378	4.93E-08	5.51E-04	0.000146	5.55E-06	0.000814	5.09E-08
377	489288.17	3859971.48	0.07436	0.0696	0.05838	0.08273	1.36E-04	5.9E-06	0.00031	8.8E-08	0.00045	1.66E-04	7.25769E-06	0.000379	4.94E-08	5.53E-04	0.000146	5.58E-06	0.000817	5.1E-08
378	489338.17	3859971.48	0.07472	0.07009	0.05866	0.08293	1.36E-04	6E-06	0.00031	8.8E-08	0.00045	1.67E-04	7.30879E-06	0.000381	4.95E-08	5.55E-04	0.000147	5.62E-06	0.000821	5.11E-08
379	489388.17	3859971.48	0.07522	0.07076	0.05908	0.08311	1.37E-04	6E-06	0.00031	8.9E-08	0.00046	1.68E-04	7.37865E-06	0.000384	4.96E-08	5.59E-04	0.000148	5.68E-06	0.000826	5.12E-08
380	489438.17	3859971.48	0.07576	0.07157	0.05962	0.08326	1.38E-04	6.1E-06	0.00032	8.9E-08	0.00046	1.69E-04	7.46312E-06	0.000387	4.97E-08	5.64E-04	0.000149	5.74E-06	0.000834	5.13E-08
381	489488.17	3859971.48	0.07609	0.07247	0.06023	0.0827	1.39E-04	6.2E-06	0.00032	8.8E-08	0.00046	1.70E-04	7.55697E-06	0.000391	4.94E-08	5.69E-04	0.00015	5.81E-06	0.000843	5.1E-08
382	489538.17	3859971.48	0.07631	0.07304	0.06063	0.08266	1.39E-04	6.2E-06	0.00032	8.8E-08	0.00047	1.70E-04	7.6164E-06	0.000394	4.93E-08	5.72E-04	0.00015	5.86E-06	0.000848	5.1E-08
383	489588.17	3859971.48	0.07646	0.07348	0.06096	0.08277	1.39E-04	6.3E-06	0.00032	8.8E-08	0.00047	1.71E-04	7.66229E-06	0.000396	4.94E-08	5.74E-04	0.000151	5.89E-06	0.000853	5.1E-08
384	483577.7	3854071	0.38272	0.17641	0.11987	0.05865	6.98E-04	1.5E-05	0.00064	6.3E-08	0.00135	8.55E-04	1.83955E-05	0.000779	3.5E-08	1.65E-03	0.000754	1.42E-05	0.001677	3.62E-08
385	483627.7	3854071	0.36701	0.17639	0.12338	0.06026	6.69E-04	1.5E-05	0.00066	6.4E-08	0.00134	8.20E-04	1.83935E-05	0.000801	3.6E-08	1.64E-03	0.000723	1.41E-05	0.001726	3.72E-08
386	483677.7	3854071	0.35232	0.17551	0.12639	0.06107	6.42E-04	1.5E-05	0.00067	6.5E-08	0.00133	7.87E-04	1.83017E-05	0.000821	3.64E-08	1.63E-03	0.000694	1.41E-05	0.001768	3.77E-08
387	483727.7	3854071	0.33912	0.17376	0.12872	0.06124	6.18E-04	1.5E-05	0.00068	6.5E-08	0.00132	7.58E-04	1.81192E-05	0.000836	3.66E-08	1.61E-03	0.000668	1.39E-05	0.001801	3.78E-08
388	483777.7	3854071	0.32432	0.17195	0.13035	0.05954	5.91E-04	1.5E-05	0.00069	6.4E-08	0.0013	7.24E-04	1.79305E-05	0.000847	3.55E-08	1.59E-03	0.000639	1.38E-05	0.001823	3.67E-08
389	483577.7	3854121	0.40437	0.19149	0.12286	0.05776	7.37E-04	1.6E-05	0.00065	6.2E-08	0.00141	9.03E-04	1.9968E-05	0.000798	3.45E-08	1.72E-03	0.000796	1.54E-05	0.001719	3.56E-08
390	483627.7	3854121	0.38607	0.19336	0.12735	0.05872	7.04E-04	1.6E-05	0.00068	6.3E-08	0.0014	8.62E-04	2.0163E-05	0.000827	3.5E-08	1.71E-03	0.00076	1.55E-05	0.001781	3.62E-08
391	483677.7	3854121	0.36838	0.19403	0.13137	0.05869	6.71E-04	1.7E-05	0.0007	6.3E-08	0.00139	8.23E-04	2.02329E-05	0.000853	3.5E-08	1.70E-03	0.000726	1.56E-05	0.001838	3.62E-08
392	483727.7	3854121	0.35114	0.19294	0.13451	0.05794	6.40E-04	1.6E-05	0.00071	6.2E-08	0.00137	7.84E-04	2.01192E-05	0.000874	3.46E-08	1.68E-03	0.000692	1.55E-05	0.001882	3.57E-08
393	483777.7	3854121	0.338	0.18967	0.13655	0.05769	6.16E-04	1.6E-05	0.00073	6.2E-08	0.00136	7.55E-04	1.97783E-05	0.000887	3.44E-08	1.66E-03	0.000666	1.52E-05	0.00191	3.56E-08
394	483577.7	3854171	0.42427	0.21013	0.12634	0.05537	7.73E-04	1.8E-05	0.00067	5.9E-08	0.00146	9.48E-04	2.19118E-05	0.000821	3.3E-08	1.79E-03	0.000836	1.69E-05	0.001767	3.41E-08
395	483627.7	3854171	0.40183	0.21411	0.1316	0.05514	7.32E-04	1.8E-05	0.0007	5.9E-08	0.00145	8.98E-04	2.23268E-05	0.000855	3.29E-08	1.77E-03	0.000791	1.72E-05	0.001841	3.4E-08
396	483677.7	3854171	0.38341	0.21511	0.13611	0.05538	6.99E-04	1.8E-05	0.00072	5.9E-08	0.00144	8.56E-04	2.24311E-05	0.000884	3.31E-08	1.76E-03	0.000755	1.73E-05	0.001904	3.41E-08
397	483727.7	3854171	0.36799	0.21296	0.13984	0.05576	6.71E-04	1.8E-05	0.00074	5.9E-08	0.00143	8.22E-04	2.22069E-05	0.000908	3.33E-08	1.75E-03	0.000725	1.71E-05	0.001956	3.44E-08
398	483777.7	3854171	0.35349	0.20944	0.14257	0.05549	6.44E-04	1.8E-05	0.00076	5.9E-08	0.00142	7.90E-04	2.18398E-05	0.000926	3.31E-08	1.74E-03	0.000696	1.68E-05	0.001994	3.42E-08
399	483827.7	3854171	0.3356	0.20456	0.14372	0.0536	6.12E-04	1.7E-05	0.00076	5.7E-08	0.00139	7.50E-04	2.13309E-05	0.000934	3.2E-08	1.70E-03	0.000661	1.64E-05	0.00201	3.3E-08
400	483877.7	3854171	0.32316	0.19489	0.14411	0.05282	5.89E-04	1.7E-05	0.00077	5.6E-08	0.00137	7.22E-04	2.03226E-05	0.000936	3.15E-08	1.68E-03	0.000636	1.56E-05	0.002016	3.26E-08
401	483727.7	3854221	0.38893	0.23542	0.14485	0.05389	7.09E-04	2E-05	0.00077	5.7E-08	0.0015	8.69E-04	2.45489E-05	0.000941	3.22E-08	1.83E-03	0.000766	1.89E-05	0.002026	3.32E-08
402	483777.7	3854221	0.37249	0.2321	0.14833	0.05358	6.79E-04	2E-05	0.00079	5.7E-08	0.00149	8.32E-04	2.42027E-05	0.000963	3.2E-08	1.82E-03	0.000734	1.86E-05	0.002075	3.3E-08
403	483827.7	3854221	0.3638	0.22861	0.15118	0.05471	6.63E-04	1.9E-05	0.0008	5.8E-08	0.00149	8.13E-04	2.38388E-05	0.000982	3.27E-08	1.82E-03	0.000716	1.83E-05	0.002115	3.37E-08
404	483877.7	3854221	0.34714	0.2172	0.15216	0.05339	6.33E-04	1.8E-05	0.00081	5.7E-08	0.00146	7.75E-04	2.2649E-05	0.000988	3.19E-08	1.79E-03	0.000684	1.74E-05	0.002129	3.29E-08
405	489150.19	3858726.45	0.52194	0.17507	0.11903	0.24384	9.51E-04	1.5E-05	0.00063	2.6E-07	0.0016	1.17E-03	1.82558E-05	0.000773	1.46E-07	1.96E-03	0.001028	1.4E-05	0.001665	1.5E-07
406	489200.19	3858726.45	0.48357	0.17544	0.11845	0.24409	8.81E-04	1.5E-05	0.00063	2.6E-07	0.00153	1.08E-03	1.82944E-05	0.000769	1.46E-07	1.87E-03	0.000952	1.41E-05	0.001657	1.5E-07
407	489150.19	3858776.45	0.53154	0.16577	0.11516	0.22682	9.69E-04	1.4E-05	0.00061	2.4E-07	0.0016	1.19E-03	1.7286E-05	0.000748	1.35E-07	1.95E-03	0.001047	1.33E-05	0.001611	1.4E-07
408	489200.19	3858776.45	0.48401	0.16603	0.1146	0.22662	8.82E-04	1.4E-05	0.00061	2.4E-07	0.00151	1.08E-03	1.73131E-05	0.000744	1.35E-07	1.84E-03	0.000953	1.33E-05	0.001603	1.4E-07
409	488919.6	3856400.76	0.50595	0.38451	0.64963	0.51806	9.22E-04	3.3E-05	0.00345	5.5E-07	0.00441	1.13E-03	4.00956E-05	0.00422	3.09E-07	5.39E-03	0.000996	3.08E-05	0.009088	3.19E-07
410	488919.6	3856450.76	0.51223	0.41384	0.65757	0.53521	9.34E-04	3.5E-05	0.00349	5.7E-07	0.00446	1.14E-03	4.31541E-05	0.004271	3.19E-07	5.46E-03	0.001009	3.32E-05	0.009199	3.3E-07
411	488969.6	3856450.76	0.50255	0.4152	0.64367	0.52671	9.16E-04	3.5E-05	0.00342	5.6E-07	0.00437	1.12E-03	4.32959E-05	0.004181	3.14E-07	5.35E-03	0.00099	3.33E-05	0.009004	3.25E-07
412	488919.6	3856500.76	0.51808	0.44721	0.66462	0.55274	9.44E-04	3.8E-05	0.00353	5.9E-07	0.00451	1.16E-03	4.66338E-05	0.004317	3.3E-07	5.52E-03	0.00102	3.59E-05	0.009297	3.41E-07
413	488969.6	3856500.76	0.50803	0.44774	0.65012	0.54509	9.26E-04	3.8E-05	0.00345	5.8E-07	0.00442	1.13E-03	4.66891E-05	0.004223	3.25E-07	5.40E-03	0.001001	3.59E-05	0.009095	3.36E-07
414	488919.6	3856550.76	0.52332	0.48474	0.6705	0.57202	9.54E-04	4.1E-05	0.00356	6.1E-07	0.00456	1.17E-03	5.05473E-05	0.004355	3.41E-07	5.57E-03	0.001031	3.89E-05	0.00938	3.53E-07
415	488969.6	3856550.76	0.51307	0.48421	0.65565	0.56275	9.35E-04	4.1E-05	0.00348	6E-07	0.00446	1.15E-03	5.04921E-05	0.004259	3.36E-07	5.46E-03	0.00101	3.88E-05	0.009172	3.47E-07
416	488819.6	3856600.76	0.55045	0.52878	0.70795	0.60847	1.00E-03	4.5E-05	0.00376	6.5E-07	0.00481	1.23E-03	5.51397E-05	0.004598	3.63E-07	5.88E-03	0.001084	4.24E-05	0.009904	3.75E-07
417	488869.6	3856600.76	0.53914	0.52793	0.69145	0.59844	9.83E-04	4.5E-05	0.00367	6.4E-07	0.0047	1.20E-03	5.5051E-05	0.004491	3.57E-07	5.75E-03	0.001062	4.23E-05	0.009673	3.69E-07
418	488919.6	3856600.76	0.52813	0.52636	0.67541	0.58985	9.63E-04	4.5E-05	0.00359	6.3E-07	0.0046	1.18E-03	5.48873E-05	0.004387	3.52E-07	5.62E-03	0.00104	4.22E-05	0.009448	3.64E-07
419	488819.6	3856650.76	0.55513	0.57844	0.71234	0.62836	1.01E-03	4.9E-05	0.00378	6.7E-07	0.00485	1.24E-03	6.03181E-05	0.004627	3.75E-07	5.93E-03	0.001093	4.64E-05	0.009965	3.87E-07
420	488869.6	3856650.76	0.54358	0.57571	0.69536	0.61768	9.91E-04	4.9E-05	0.00369	6.6E-07	0.00474	1.21E-03	6.00334E-05	0.004517	3.69E-07	5.79E-03	0.001071	4.62E-05	0.009727	3.81E-07
421	488819.6	3856700.76	0.55914	0.6331	0.71517	0.64901	1.02E-03	5.4E-05	0.0038	6.9E-07	0.00487	1.25E-03	6.60179E-05	0.004645	3.87E-07	5.96E-03	0.001101	5.08E-05	0.010005	4E-07
422	488869.6	3856700.76	0.54744	0.62809	0.69787	0.63718	9.98E-04	5.3E-05	0.00371	6.8E-07	0.00476	1.22E-03	6.54954E-05	0.004533	3.8E-07	5.82E-03	0.001078	5.04E-05	0.009763	3.93E-07
423	488819.6	3856750.76	0.56273	0.69285	0.71656	0.66858	1.03E-03	5.9E-05	0.00381	7.1E-07	0.00489	1.26E-03	7.22484E-05	0.004654	3.99E-07	5.98E-03	0.001108	5.56E-05	0.010024	4.12E-07

424	488869.6	3856750.76	0.55072	0.68453	0.69865	0.65766	1.00E-03	5.8E-05	0.00371	7E-07	0.00477	1.23E-03	7.13809E-05	0.004538	3.93E-07	5.84E-03	0.001085	5.49E-05	0.009773	4.05E-07
425	488819.6	3857050.76	0.57439	1.08901	0.6843	0.80309	1.05E-03	9.3E-05	0.00364	8.6E-07	0.00478	1.28E-03	0.000113559	0.004445	4.79E-07	5.84E-03	0.001131	8.74E-05	0.009573	4.95E-07
426	488869.6	3857050.76	0.56161	1.05163	0.66568	0.78789	1.02E-03	8.9E-05	0.00354	8.4E-07	0.00465	1.25E-03	0.000109661	0.004324	4.7E-07	5.69E-03	0.001106	8.44E-05	0.009312	4.86E-07
427	488919.6	3857050.76	0.54949	1.01678	0.64823	0.77196	1.00E-03	8.7E-05	0.00344	8.2E-07	0.00453	1.23E-03	0.000106027	0.00421	4.61E-07	5.54E-03	0.001082	8.16E-05	0.009068	4.76E-07
428	488819.6	3857100.76	0.57565	1.14218	0.67259	0.82741	1.05E-03	9.7E-05	0.00357	8.8E-07	0.00472	1.29E-03	0.000119103	0.004369	4.94E-07	5.77E-03	0.001134	9.16E-05	0.009409	5.1E-07
429	488869.6	3857100.76	0.56293	1.10053	0.65457	0.80977	1.03E-03	9.4E-05	0.00348	8.6E-07	0.0046	1.26E-03	0.00011476	0.004252	4.83E-07	5.62E-03	0.001109	8.83E-05	0.009157	4.99E-07
430	488919.6	3857100.76	0.55038	1.06009	0.63694	0.79421	1.00E-03	9E-05	0.00338	8.5E-07	0.00448	1.23E-03	0.000110543	0.004137	4.74E-07	5.48E-03	0.001084	8.5E-05	0.00891	4.9E-07
431	488819.6	3857150.76	0.57677	1.18465	0.6595	0.85238	1.05E-03	0.0001	0.0035	9.1E-07	0.00466	1.29E-03	0.000123532	0.004284	5.09E-07	5.70E-03	0.001136	9.5E-05	0.009226	5.26E-07
432	488869.6	3857150.76	0.56368	1.13778	0.64148	0.83448	1.03E-03	9.7E-05	0.00341	8.9E-07	0.00453	1.26E-03	0.000118644	0.004167	4.98E-07	5.54E-03	0.00111	9.13E-05	0.008974	5.15E-07
433	488919.6	3857150.76	0.55121	1.09441	0.62455	0.81636	1.00E-03	9.3E-05	0.00332	8.7E-07	0.00442	1.23E-03	0.000114122	0.004057	4.87E-07	5.40E-03	0.001086	8.78E-05	0.008737	5.03E-07
434	488969.6	3857150.76	0.53915	1.05339	0.60829	0.79921	9.83E-04	9E-05	0.00323	8.5E-07	0.00431	1.20E-03	0.000109845	0.003951	4.77E-07	5.27E-03	0.001062	8.45E-05	0.008509	4.93E-07
435	488819.6	3857200.76	0.57774	1.21402	0.64507	0.87841	1.05E-03	0.0001	0.00343	9.4E-07	0.00458	1.29E-03	0.000126595	0.00419	5.24E-07	5.61E-03	0.001138	9.74E-05	0.009024	5.42E-07
436	488869.6	3857200.76	0.56432	1.16329	0.62727	0.85954	1.03E-03	9.9E-05	0.00333	9.2E-07	0.00446	1.26E-03	0.000121305	0.004074	5.13E-07	5.46E-03	0.001111	9.33E-05	0.008775	5.3E-07
437	488919.6	3857200.76	0.55162	1.11665	0.6106	0.84044	1.01E-03	9.5E-05	0.00324	9E-07	0.00435	1.23E-03	0.000116441	0.003966	5.02E-07	5.32E-03	0.001086	8.96E-05	0.008542	5.18E-07
438	488969.6	3857200.76	0.53957	1.07381	0.595	0.82107	9.84E-04	9.1E-05	0.00316	8.8E-07	0.00424	1.21E-03	0.000111974	0.003865	4.9E-07	5.18E-03	0.001063	8.61E-05	0.008323	5.06E-07
439	488819.6	3857250.76	0.57878	1.22991	0.62975	0.90433	1.06E-03	0.0001	0.00335	9.6E-07	0.00451	1.29E-03	0.000128252	0.00409	5.4E-07	5.51E-03	0.00114	9.87E-05	0.00881	5.58E-07
440	488869.6	3857250.76	0.56517	1.17714	0.61244	0.88365	1.03E-03	0.0001	0.00325	9.4E-07	0.00439	1.26E-03	0.000122749	0.003978	5.27E-07	5.36E-03	0.001113	9.44E-05	0.008567	5.45E-07
441	488919.6	3857250.76	0.55213	1.12818	0.59603	0.86355	1.01E-03	9.6E-05	0.00317	9.2E-07	0.00427	1.23E-03	0.000117643	0.003871	5.15E-07	5.22E-03	0.001087	9.05E-05	0.008338	5.32E-07
442	488969.6	3857250.76	0.53965	1.08273	0.58049	0.84393	9.84E-04	9.2E-05	0.00308	9E-07	0.00416	1.21E-03	0.000112904	0.00377	5.04E-07	5.09E-03	0.001063	8.69E-05	0.00812	5.2E-07
443	488819.6	3857300.76	0.57937	1.23015	0.6129	0.93206	1.06E-03	0.0001	0.00326	9.9E-07	0.00442	1.29E-03	0.000128277	0.003981	5.56E-07	5.40E-03	0.001141	9.87E-05	0.008574	5.75E-07
444	488869.6	3857300.76	0.56546	1.17651	0.59605	0.90966	1.03E-03	0.0001	0.00317	9.7E-07	0.0043	1.26E-03	0.000122683	0.003872	5.43E-07	5.26E-03	0.001114	9.44E-05	0.008338	5.61E-07
445	488919.6	3857300.76	0.55201	1.12616	0.57985	0.88868	1.01E-03	9.6E-05	0.00308	9.5E-07	0.00418	1.23E-03	0.000117433	0.003766	5.3E-07	5.12E-03	0.001087	9.03E-05	0.008112	5.48E-07
446	488819.6	3857450.76	0.57916	1.15372	0.55388	1.01735	1.06E-03	9.8E-05	0.00294	1.1E-06	0.0041	1.29E-03	0.000120307	0.003598	6.07E-07	5.01E-03	0.001141	9.25E-05	0.007748	6.27E-07
447	488869.6	3857450.76	0.56409	1.10514	0.53884	0.98881	1.03E-03	9.4E-05	0.00286	1.1E-06	0.00399	1.26E-03	0.000115241	0.0035	5.9E-07	4.88E-03	0.001111	8.87E-05	0.007538	6.1E-07
448	488919.6	3857450.76	0.54917	1.05771	0.52383	0.96361	1.00E-03	9E-05	0.00278	1E-06	0.00388	1.23E-03	0.000110295	0.003402	5.75E-07	4.74E-03	0.001082	8.48E-05	0.007328	5.94E-07
449	488819.6	3857500.76	0.57796	1.10941	0.531	1.04499	1.05E-03	9.4E-05	0.00282	1.1E-06	0.00397	1.29E-03	0.000115686	0.003449	6.24E-07	4.86E-03	0.001138	8.9E-05	0.007428	6.44E-07
450	488869.6	3857500.76	0.56196	1.06253	0.51614	1.01589	1.02E-03	9E-05	0.00274	1.1E-06	0.00386	1.26E-03	0.000110798	0.003352	6.06E-07	4.72E-03	0.001107	8.52E-05	0.00722	6.26E-07
451	488919.6	3857500.76	0.5468	1.01883	0.50215	0.98764	9.97E-04	8.7E-05	0.00267	1.1E-06	0.00375	1.22E-03	0.000106241	0.003262	5.89E-07	4.59E-03	0.001077	8.17E-05	0.007025	6.09E-07
452	488819.6	3857550.76	0.57531	1.05694	0.50574	1.07347	1.05E-03	9E-05	0.00269	1.1E-06	0.00383	1.29E-03	0.000110215	0.003285	6.41E-07	4.68E-03	0.001133	8.48E-05	0.007075	6.62E-07
453	488869.6	3857550.76	0.55909	1.01496	0.49218	1.04069	1.02E-03	8.6E-05	0.00262	1.1E-06	0.00372	1.25E-03	0.000105837	0.003197	6.21E-07	4.55E-03	0.001101	8.14E-05	0.006885	6.42E-07
454	488919.6	3857550.76	0.54345	0.97443	0.47898	1.01037	9.91E-04	8.3E-05	0.00254	1.1E-06	0.00362	1.21E-03	0.000101611	0.003111	6.03E-07	4.43E-03	0.00107	7.82E-05	0.0067	6.23E-07
455	489663.71	3860900.05	0.04377	0.04248	0.03835	0.05022	7.98E-05	3.6E-06	0.0002	5.4E-08	0.00029	9.78E-05	4.42969E-06	0.000249	3E-08	3.51E-04	8.62E-05	3.41E-06	0.000536	3.1E-08
456	489813.71	3860900.05	0.04401	0.04278	0.03845	0.05049	8.02E-05	3.6E-06	0.0002	5.4E-08	0.00029	9.83E-05	4.46098E-06	0.00025	3.01E-08	3.53E-04	8.67E-05	3.43E-06	0.000538	3.11E-08
457	489863.71	3860900.05	0.04403	0.04283	0.03842	0.05051	8.03E-05	3.6E-06	0.0002	5.4E-08	0.00029	9.84E-05	4.46619E-06	0.00025	3.01E-08	3.52E-04	8.67E-05	3.44E-06	0.000537	3.11E-08
458	489913.71	3860900.05	0.04419	0.04304	0.03849	0.05062	8.06E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.87E-05	4.48809E-06	0.00025	3.02E-08	3.53E-04	8.7E-05	3.45E-06	0.000538	3.12E-08
459	489963.71	3860900.05	0.04422	0.04311	0.03846	0.05064	8.06E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.88E-05	4.49539E-06	0.00025	3.02E-08	3.53E-04	8.71E-05	3.46E-06	0.000538	3.12E-08
460	490013.71	3860900.05	0.04439	0.04333	0.03855	0.05075	8.09E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.92E-05	4.51833E-06	0.00025	3.03E-08	3.54E-04	8.74E-05	3.48E-06	0.000539	3.13E-08
461	490063.71	3860900.05	0.04449	0.04349	0.03859	0.05083	8.11E-05	3.7E-06	0.00021	5.4E-08	0.00029	9.94E-05	4.53501E-06	0.000251	3.03E-08	3.55E-04	8.76E-05	3.49E-06	0.00054	3.13E-08
462	489663.71	3860950.05	0.04281	0.04158	0.03763	0.04907	7.80E-05	3.5E-06	0.0002	5.2E-08	0.00028	9.56E-05	4.33584E-06	0.000244	2.93E-08	3.44E-04	8.43E-05	3.34E-06	0.000526	3.03E-08
463	489813.71	3860950.05	0.04303	0.04184	0.03775	0.04936	7.84E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.61E-05	4.36296E-06	0.000245	2.95E-08	3.46E-04	8.47E-05	3.36E-06	0.000528	3.04E-08
464	489863.71	3860950.05	0.04303	0.04187	0.0377	0.04937	7.84E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.61E-05	4.36609E-06	0.000245	2.95E-08	3.45E-04	8.47E-05	3.36E-06	0.000527	3.04E-08
465	489913.71	3860950.05	0.04315	0.04202	0.03775	0.04945	7.87E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.64E-05	4.38173E-06	0.000245	2.95E-08	3.46E-04	8.5E-05	3.37E-06	0.000528	3.05E-08
466	489963.71	3860950.05	0.04321	0.04212	0.03774	0.04949	7.88E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.65E-05	4.39215E-06	0.000245	2.95E-08	3.46E-04	8.51E-05	3.38E-06	0.000528	3.05E-08
467	490013.71	3860950.05	0.04331	0.04227	0.03778	0.04956	7.89E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.67E-05	4.4078E-06	0.000245	2.96E-08	3.47E-04	8.53E-05	3.39E-06	0.000529	3.06E-08
468	490063.71	3860950.05	0.04342	0.04244	0.03782	0.04964	7.91E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.70E-05	4.42552E-06	0.000246	2.96E-08	3.47E-04	8.55E-05	3.4E-06	0.000529	3.06E-08
469	489513.71	3861000.05	0.04183	0.04054	0.03682	0.04751	7.62E-05	3.4E-06	0.0002	5.1E-08	0.00028	9.34E-05	4.2274E-06	0.000239	2.84E-08	3.37E-04	8.24E-05	3.25E-06	0.000515	2.93E-08
470	489563.71	3861000.05	0.04183	0.04059	0.03685	0.04767	7.62E-05	3.5E-06	0.0002	5.1E-08	0.00028	9.34E-05	4.23261E-06	0.000239	2.85E-08	3.37E-04	8.24E-05	3.26E-06	0.000515	2.94E-08
471	489613.71	3861000.05	0.04189	0.04069	0.03692	0.04784	7.64E-05	3.5E-06	0.0002	5.1E-08	0.00028	9.36E-05	4.24304E-06	0.00024	2.86E-08	3.38E-04	8.25E-05	3.26E-06	0.000516	2.95E-08
472	489663.71	3861000.05	0.04192	0.04074	0.03696	0.04798	7.64E-05	3.5E-06	0.0002	5.1E-08	0.00028	9.36E-05	4.24825E-06	0.00024	2.86E-08	3.38E-04	8.26E-05	3.27E-06	0.000517	2.96E-08
473	489713.71	3861000.05	0.04193	0.04076	0.03697	0.04807	7.64E-05	3.5E-06	0.0002	5.1E-08	0.00028	9.37E-05	4.25034E-06	0.00024	2.87E-08	3.38E-04	8.26E-05	3.27E-06	0.000517	2.96E-08
474	489763.71	3861000.05	0.04198	0.04082	0.037	0.04815	7.65E-05	3.5E-06	0.0002	5.1E-08	0.00028	9.38E-05	4.25659E-06	0.00024	2.87E-08	3.38E-04	8.27E-05	3.27E-06	0.000518	2.97E-08
475	489813.71	3861000.05	0.04211	0.04097	0.03708	0.04829	7.68E-05	3.5E-06	0.0002	5.2E-08	0.00028	9.41E-05	4.27224E-06	0.000241	2.88E-08	3.39E-04	8.29E-05	3.29E-06	0.000519	2.98E-08
476	489863.71	3861000.05	0.0421	0.04098	0.03704	0.04829	7.67E-05	3.5E-06	0.0002	5.2E-08	0.00028	9.40E-05	4.27328E-06	0.000241	2.88E-08	3.39E-04	8.29E-05	3.29E-06	0.000518	2.98E-08
477	489913.71	3861000.05	0.04221	0.04112	0.03708	0.04838	7.69E-05	3.5E-06	0.0002	5.2E-08	0.00028	9.43E-05	4.28788E-06	0.000241	2.89E-08	3.39E-04	8.31E-05	3.3E-06	0.000519	2.98E-08
478	489963.71	3861000.05	0.04223	0.04117	0.03705	0.04839	7.70E-05	3.5E-06	0.0002	5.2E-08	0.00028	9.43E-05	4.29309E-06	0.000241	2.89E-08	3.39E-04	8.32E-05	3.3E-06	0.000518	2.98E-08
479	490013.71	3861000.05	0.04233	0.04131	0.03707	0.04845	7.72E-05	3.5E-06	0.0002	5.2E-08	0.00028	9.46E-05	4.30769E-06	0.000241	2.89E-08	3.40E-04	8.34E-05	3.31E-06	0.000519	2.99E-08
480	490063.71	3861000.05	0.04241	0.04144	0.03709	0.04851	7.73E-05	3.5E-06	0.0002	5.2E-08	0.00028	9.47E-05	4.32125E-06	0.000241	2.9E-08	3.40E-04	8.35E-05	3.32E-06	0.000519	2.99E-08
481	489513.71	3861050.05	0.04102	0.03975	0.03619	0.04646	7.48E-05	3.4E-06	0.00019	5E-08	0.00027	9.16E-05	4.14502E-06	0.000235	2.77E-08	3.31E-04	8.08E-05	3.19E-06	0.000506	2.86E-08
482	489563.71	3861050.05	0.04101	0.03981	0.03621	0.04661	7.48E-05	3.4E-06	0.00019	5E-08	0.00027	9.16E-05	4.15127E-06	0.000235	2.78E-08	3.31E-04	8.08E-05	3.19E-06	0.000507	2.87E-08
483	489613.71	3861050.05	0.0411	0.03995	0.03632	0.04682	7.49E-05	3.4E-06	0.00019	5E-08	0.00027	9.18E-05	4.16587E-06	0.000236	2.79E-08	3.32E-04	8.09E-05	3.2E-06	0.000508	2.89E-08
484	489663.71	3861050.05	0.04106	0.03993	0.0363	0.04691	7.48E-05	3.4E-06	0.00019	5E-08	0.00027	9.17E-05	4.16379E-06	0.000236	2.8E-08	3.32E-04	8.09E-05	3.2E-06	0.000508	2.89E-08

485	489713.71	3861050.05	0.04105	0.03994	0.0363	0.047	7.48E-05	3.4E-06	0.00019	5E-08	0.00027	9.17E-05	4.16483E-06	0.000236	2.81E-08	3.32E-04	8.08E-05	3.2E-06	0.000508	2.9E-08
486	489763.71	3861050.05	0.0411	0.04	0.03634	0.0471	7.49E-05	3.4E-06	0.00019	5E-08	0.00027	9.18E-05	4.17109E-06	0.000236	2.81E-08	3.32E-04	8.09E-05	3.21E-06	0.000508	2.9E-08
487	489813.71	3861050.05	0.04118	0.04008	0.03639	0.0472	7.51E-05	3.4E-06	0.00019	5E-08	0.00027	9.20E-05	4.17943E-06	0.000236	2.82E-08	3.33E-04	8.11E-05	3.22E-06	0.000509	2.91E-08
488	489863.71	3861050.05	0.04121	0.04013	0.03639	0.04725	7.51E-05	3.4E-06	0.00019	5E-08	0.00027	9.21E-05	4.18464E-06	0.000236	2.82E-08	3.33E-04	8.12E-05	3.22E-06	0.000509	2.91E-08
489	489913.71	3861050.05	0.04127	0.0402	0.0364	0.0473	7.52E-05	3.4E-06	0.00019	5E-08	0.00027	9.22E-05	4.19194E-06	0.000236	2.82E-08	3.33E-04	8.13E-05	3.22E-06	0.000509	2.92E-08
490	489963.71	3861050.05	0.04132	0.04028	0.03639	0.04734	7.53E-05	3.4E-06	0.00019	5.1E-08	0.00027	9.23E-05	4.20028E-06	0.000236	2.83E-08	3.33E-04	8.14E-05	3.23E-06	0.000509	2.92E-08
491	490013.71	3861050.05	0.04144	0.04043	0.03644	0.04742	7.55E-05	3.4E-06	0.00019	5.1E-08	0.00027	9.26E-05	4.21593E-06	0.000237	2.83E-08	3.33E-04	8.16E-05	3.24E-06	0.00051	2.92E-08
492	490063.71	3861050.05	0.04149	0.04053	0.03644	0.04746	7.56E-05	3.4E-06	0.00019	5.1E-08	0.00027	9.27E-05	4.22635E-06	0.000237	2.83E-08	3.34E-04	8.17E-05	3.25E-06	0.00051	2.93E-08
493	489513.71	3861100.05	0.0403	0.03906	0.03564	0.04549	7.35E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.00E-05	4.07307E-06	0.000231	2.72E-08	3.26E-04	7.94E-05	3.13E-06	0.000499	2.8E-08
494	489563.71	3861100.05	0.0402	0.03903	0.03558	0.04557	7.33E-05	3.3E-06	0.00019	4.9E-08	0.00027	8.98E-05	4.06994E-06	0.000231	2.72E-08	3.25E-04	7.92E-05	3.13E-06	0.000498	2.81E-08
495	489613.71	3861100.05	0.04009	0.03898	0.03552	0.04564	7.31E-05	3.3E-06	0.00019	4.9E-08	0.00027	8.96E-05	4.06472E-06	0.000231	2.72E-08	3.24E-04	7.9E-05	3.13E-06	0.000497	2.81E-08
496	489663.71	3861100.05	0.04012	0.03904	0.03557	0.04579	7.31E-05	3.3E-06	0.00019	4.9E-08	0.00027	8.96E-05	4.07098E-06	0.000231	2.73E-08	3.25E-04	7.9E-05	3.13E-06	0.000498	2.82E-08
497	489713.71	3861100.05	0.04016	0.0391	0.03562	0.04593	7.32E-05	3.3E-06	0.00019	4.9E-08	0.00027	8.97E-05	4.07724E-06	0.000231	2.74E-08	3.25E-04	7.91E-05	3.14E-06	0.000498	2.83E-08
498	489763.71	3861100.05	0.0402	0.03915	0.03566	0.04604	7.33E-05	3.3E-06	0.00019	4.9E-08	0.00027	8.98E-05	4.08245E-06	0.000232	2.75E-08	3.26E-04	7.92E-05	3.14E-06	0.000499	2.84E-08
499	489813.71	3861100.05	0.04028	0.03923	0.03571	0.04615	7.34E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.00E-05	4.09079E-06	0.000232	2.75E-08	3.26E-04	7.93E-05	3.15E-06	0.0005	2.85E-08
500	489863.71	3861100.05	0.04039	0.03935	0.03579	0.04627	7.36E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.02E-05	4.10331E-06	0.000232	2.76E-08	3.27E-04	7.95E-05	3.16E-06	0.000501	2.85E-08
501	489913.71	3861100.05	0.04039	0.03935	0.03575	0.04628	7.36E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.02E-05	4.10331E-06	0.000232	2.76E-08	3.27E-04	7.95E-05	3.16E-06	0.0005	2.85E-08
502	489963.71	3861100.05	0.04045	0.03943	0.03576	0.04633	7.37E-05	3.4E-06	0.00019	4.9E-08	0.00027	9.04E-05	4.11165E-06	0.000232	2.77E-08	3.27E-04	7.97E-05	3.16E-06	0.0005	2.86E-08
503	490013.71	3861100.05	0.04047	0.03948	0.03573	0.04634	7.38E-05	3.4E-06	0.00019	4.9E-08	0.00027	9.04E-05	4.11686E-06	0.000232	2.77E-08	3.27E-04	7.97E-05	3.17E-06	0.0005	2.86E-08
504	490063.71	3861100.05	0.04053	0.03959	0.03574	0.04639	7.39E-05	3.4E-06	0.00019	4.9E-08	0.00027	9.05E-05	4.12833E-06	0.000232	2.77E-08	3.27E-04	7.98E-05	3.18E-06	0.0005	2.86E-08
505	489713.71	3861150.05	0.03933	0.03831	0.03496	0.0449	7.17E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.79E-05	3.99486E-06	0.000227	2.68E-08	3.19E-04	7.75E-05	3.07E-06	0.000489	2.77E-08
506	489763.71	3861150.05	0.03938	0.03837	0.03502	0.04503	7.18E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.80E-05	4.00112E-06	0.000227	2.69E-08	3.19E-04	7.76E-05	3.08E-06	0.00049	2.78E-08
507	489813.71	3861150.05	0.03945	0.03844	0.03508	0.04515	7.19E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.81E-05	4.00841E-06	0.000228	2.69E-08	3.20E-04	7.77E-05	3.08E-06	0.000491	2.78E-08
508	489863.71	3861150.05	0.03949	0.03849	0.03511	0.04523	7.20E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.82E-05	4.01363E-06	0.000228	2.7E-08	3.20E-04	7.78E-05	3.09E-06	0.000491	2.79E-08
509	489913.71	3861150.05	0.03953	0.03853	0.03511	0.04528	7.21E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.83E-05	4.0178E-06	0.000228	2.7E-08	3.20E-04	7.79E-05	3.09E-06	0.000491	2.79E-08
510	489963.71	3861150.05	0.03955	0.03856	0.03509	0.04531	7.21E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.83E-05	4.02093E-06	0.000228	2.7E-08	3.20E-04	7.79E-05	3.09E-06	0.000491	2.79E-08
511	490013.71	3861150.05	0.03957	0.03861	0.03508	0.04533	7.21E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.84E-05	4.02614E-06	0.000228	2.71E-08	3.20E-04	7.79E-05	3.1E-06	0.000491	2.79E-08
512	490063.71	3861150.05	0.03966	0.03872	0.0351	0.04539	7.23E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.86E-05	4.03761E-06	0.000228	2.71E-08	3.21E-04	7.81E-05	3.11E-06	0.000491	2.8E-08
513	489613.71	3861200.05	0.03843	0.03737	0.0342	0.04358	7.01E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.58E-05	3.89684E-06	0.000222	2.6E-08	3.12E-04	7.57E-05	3E-06	0.000478	2.69E-08
514	489663.71	3861200.05	0.03848	0.03747	0.03426	0.04375	7.01E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.60E-05	3.90727E-06	0.000223	2.61E-08	3.12E-04	7.58E-05	3.01E-06	0.000479	2.7E-08
515	489713.71	3861200.05	0.03853	0.03755	0.03433	0.04391	7.02E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.61E-05	3.91561E-06	0.000223	2.62E-08	3.13E-04	7.59E-05	3.01E-06	0.00048	2.71E-08
516	489763.71	3861200.05	0.03858	0.03762	0.03439	0.04405	7.03E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.62E-05	3.92291E-06	0.000223	2.63E-08	3.13E-04	7.6E-05	3.02E-06	0.000481	2.72E-08
517	489813.71	3861200.05	0.03864	0.03768	0.03445	0.04417	7.04E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.63E-05	3.92916E-06	0.000224	2.64E-08	3.14E-04	7.61E-05	3.02E-06	0.000482	2.72E-08
518	489863.71	3861200.05	0.03872	0.03776	0.03451	0.04429	7.06E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.65E-05	3.93751E-06	0.000224	2.64E-08	3.15E-04	7.63E-05	3.03E-06	0.000483	2.73E-08
519	489913.71	3861200.05	0.03874	0.03778	0.03452	0.04435	7.06E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.65E-05	3.93959E-06	0.000224	2.65E-08	3.15E-04	7.63E-05	3.03E-06	0.000483	2.73E-08
520	489963.71	3861200.05	0.03874	0.03779	0.0345	0.04437	7.06E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.65E-05	3.94063E-06	0.000224	2.65E-08	3.15E-04	7.63E-05	3.03E-06	0.000483	2.74E-08
521	490013.71	3861200.05	0.03879	0.03785	0.0345	0.04441	7.07E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.66E-05	3.94689E-06	0.000224	2.65E-08	3.15E-04	7.64E-05	3.04E-06	0.000483	2.74E-08
522	490063.71	3861200.05	0.03882	0.0379	0.03448	0.04443	7.08E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.67E-05	3.9521E-06	0.000224	2.65E-08	3.15E-04	7.65E-05	3.04E-06	0.000482	2.74E-08
523	489513.71	3861250.05	0.03756	0.03631	0.03344	0.04225	6.85E-05	3.1E-06	0.00018	4.5E-08	0.00025	8.39E-05	3.7863E-06	0.000217	2.52E-08	3.05E-04	7.4E-05	2.91E-06	0.000468	2.61E-08
524	489563.71	3861250.05	0.03764	0.03651	0.03354	0.04245	6.86E-05	3.1E-06	0.00018	4.5E-08	0.00025	8.41E-05	3.80716E-06	0.000218	2.53E-08	3.06E-04	7.41E-05	2.93E-06	0.000469	2.62E-08
525	489613.71	3861250.05	0.0377	0.03666	0.03361	0.04264	6.87E-05	3.1E-06	0.00018	4.5E-08	0.00025	8.42E-05	3.8228E-06	0.000218	2.54E-08	3.06E-04	7.42E-05	2.94E-06	0.00047	2.63E-08
526	489663.71	3861250.05	0.03772	0.03674	0.03366	0.04279	6.88E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.43E-05	3.83114E-06	0.000219	2.55E-08	3.07E-04	7.43E-05	2.95E-06	0.000471	2.64E-08
527	489713.71	3861250.05	0.03777	0.03683	0.03372	0.04295	6.88E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.44E-05	3.84053E-06	0.000219	2.56E-08	3.07E-04	7.44E-05	2.95E-06	0.000472	2.65E-08
528	489763.71	3861250.05	0.03781	0.03689	0.03378	0.0431	6.89E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.45E-05	3.84678E-06	0.000219	2.57E-08	3.08E-04	7.45E-05	2.96E-06	0.000473	2.66E-08
529	489813.71	3861250.05	0.03786	0.03695	0.03384	0.04323	6.90E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.46E-05	3.85304E-06	0.00022	2.58E-08	3.08E-04	7.46E-05	2.96E-06	0.000473	2.67E-08
530	489863.71	3861250.05	0.03791	0.03699	0.03388	0.04333	6.91E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.47E-05	3.85721E-06	0.00022	2.59E-08	3.09E-04	7.47E-05	2.97E-06	0.000474	2.67E-08
531	489913.71	3861250.05	0.03797	0.03705	0.03393	0.04342	6.92E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.48E-05	3.86347E-06	0.00022	2.59E-08	3.09E-04	7.48E-05	2.97E-06	0.000475	2.68E-08
532	489963.71	3861250.05	0.03801	0.03709	0.03394	0.04348	6.93E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.49E-05	3.86764E-06	0.00022	2.6E-08	3.09E-04	7.49E-05	2.98E-06	0.000475	2.68E-08
533	490013.71	3861250.05	0.03804	0.03712	0.03394	0.04352	6.93E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.50E-05	3.87077E-06	0.00022	2.6E-08	3.09E-04	7.49E-05	2.98E-06	0.000475	2.68E-08
534	490063.71	3861250.05	0.03803	0.03712	0.0339	0.04351	6.93E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.49E-05	3.87077E-06	0.00022	2.6E-08	3.09E-04	7.49E-05	2.98E-06	0.000474	2.68E-08
535	489528.13	3861308.47	0.0367	0.03547	0.03276	0.04122	6.69E-05	3E-06	0.00017	4.4E-08	0.00024	8.20E-05	3.69871E-06	0.000213	2.46E-08	2.98E-04	7.23E-05	2.85E-06	0.000458	2.54E-08
536	489578.13	3861308.47	0.03677	0.03566	0.03284	0.0414	6.70E-05	3E-06	0.00017	4.4E-08	0.00024	8.21E-05	3.71852E-06	0.000213	2.47E-08	2.99E-04	7.24E-05	2.86E-06	0.000459	2.55E-08
537	489628.13	3861308.47	0.03682	0.0358	0.03291	0.04157	6.71E-05	3E-06	0.00017	4.4E-08	0.00025	8.22E-05	3.73312E-06	0.000214	2.48E-08	3.00E-04	7.25E-05	2.87E-06	0.00046	2.56E-08
538	489678.13	3861308.47	0.03687	0.03593	0.03298	0.04175	6.72E-05	3.1E-06	0.00018	4.5E-08	0.00025	8.24E-05	3.74668E-06	0.000214	2.49E-08	3.00E-04	7.26E-05	2.88E-06	0.000461	2.57E-08
539	489728.13	3861308.47	0.03692	0.03603	0.03305	0.04192	6.73E-05	3.1E-06	0.00018	4.5E-08	0.00025	8.25E-05	3.75711E-06	0.000215	2.5E-08	3.01E-04	7.27E-05	2.89E-06	0.000462	2.58E-08
540	489778.13	3861308.47	0.03695	0.03608	0.0331	0.04205	6.74E-05	3.1E-06	0.00018	4.5E-08	0.00025	8.25E-05	3.76232E-06	0.000215	2.51E-08	3.01E-04	7.28E-05	2.89E-06	0.000463	2.59E-08
541	489678.13	3861358.47	0.03615	0.03522	0.0324	0.04085	6.59E-05	3E-06	0.00017	4.4E-08	0.00024	8.07E-05	3.67264E-06	0.00021	2.44E-08	2.95E-04	7.12E-05	2.83E-06	0.000453	2.52E-08
542	489728.13	3861358.47	0.03619	0.03532	0.03246	0.04101	6.60E-05	3E-06	0.00017	4.4E-08	0.00024	8.08E-05	3.68307E-06	0.000211	2.45E-08	2.95E-04	7.13E-05	2.83E-06	0.000454	2.53E-08
543	489528.13	3861408.47	0.03528	0.03399	0.03161	0.03947	6.43E-05	2.9E-06	0.00017	4.2E-08	0.00024	7.88E-05	3.54438E-06	0.000205	2.36E-08	2.88E-04	6.95E-05	2.73E-06	0.000442	2.43E-08
544	489578.13	3861408.47	0.03534	0.03419	0.03168	0.03963	6.44E-05	2.9E-06	0.00017	4.2E-08	0.00024	7.89E-05	3.56524E-06	0.000206	2.37E-08	2.88E-04	6.96E-05	2.74E-06	0.000443	2.44E-08
545	489628.13	3861408.47	0.03546	0.03443	0.0318	0.03984	6.46E-05	2.9E-06	0.00017	4.2E-08	0.00024	7.92E-05	3.59026E-06	0.000207	2.38E-08	2.89E-04	6.98E-05	2.76E-06	0.000445	2.46E-08

546	489678.13	3861408.47	0.03547	0.03454	0.03184	0.03998	6.47E-05	2.9E-06	0.00017	4.3E-08	0.00024	7.92E-05	3.60173E-06	0.000207	2.39E-08	2.90E-04	6.99E-05	2.77E-06	0.000445	2.47E-08
547	489728.13	3861408.47	0.03549	0.03463	0.03188	0.04012	6.47E-05	2.9E-06	0.00017	4.3E-08	0.00024	7.93E-05	3.61112E-06	0.000207	2.39E-08	2.90E-04	6.99E-05	2.78E-06	0.000446	2.47E-08
548	489528.13	3861458.47	0.03464	0.03331	0.0311	0.03868	6.31E-05	2.8E-06	0.00017	4.1E-08	0.00023	7.74E-05	3.47347E-06	0.000202	2.31E-08	2.83E-04	6.82E-05	2.67E-06	0.000435	2.38E-08
549	489578.13	3861458.47	0.03471	0.03353	0.03117	0.03883	6.33E-05	2.9E-06	0.00017	4.1E-08	0.00023	7.75E-05	3.49641E-06	0.000202	2.32E-08	2.84E-04	6.84E-05	2.69E-06	0.000436	2.39E-08
550	489628.13	3861458.47	0.03476	0.03371	0.03123	0.03898	6.34E-05	2.9E-06	0.00017	4.2E-08	0.00023	7.76E-05	3.51518E-06	0.000203	2.33E-08	2.84E-04	6.85E-05	2.7E-06	0.000437	2.4E-08
551	489678.13	3861458.47	0.03479	0.03385	0.03128	0.03913	6.34E-05	2.9E-06	0.00017	4.2E-08	0.00023	7.77E-05	3.52978E-06	0.000203	2.34E-08	2.84E-04	6.85E-05	2.72E-06	0.000438	2.41E-08
552	489728.13	3861458.47	0.03478	0.03391	0.03129	0.03924	6.34E-05	2.9E-06	0.00017	4.2E-08	0.00023	7.77E-05	3.53604E-06	0.000203	2.34E-08	2.84E-04	6.85E-05	2.72E-06	0.000438	2.42E-08
553	489528.13	3861508.47	0.034	0.03263	0.03058	0.03789	6.20E-05	2.8E-06	0.00016	4E-08	0.00023	7.59E-05	3.40256E-06	0.000199	2.26E-08	2.78E-04	6.7E-05	2.62E-06	0.000428	2.34E-08
554	489578.13	3861508.47	0.03404	0.03283	0.03063	0.03802	6.20E-05	2.8E-06	0.00016	4.1E-08	0.00023	7.60E-05	3.42342E-06	0.000199	2.27E-08	2.78E-04	6.7E-05	2.63E-06	0.000428	2.34E-08
555	489628.13	3861508.47	0.03408	0.033	0.03067	0.03815	6.21E-05	2.8E-06	0.00016	4.1E-08	0.00023	7.61E-05	3.44115E-06	0.000199	2.28E-08	2.79E-04	6.71E-05	2.65E-06	0.000429	2.35E-08
556	489678.13	3861508.47	0.0341	0.03314	0.03071	0.03828	6.22E-05	2.8E-06	0.00016	4.1E-08	0.00023	7.62E-05	3.45575E-06	0.000199	2.28E-08	2.79E-04	6.72E-05	2.66E-06	0.00043	2.36E-08
557	489728.13	3861508.47	0.03411	0.03325	0.03074	0.03841	6.22E-05	2.8E-06	0.00016	4.1E-08	0.00023	7.62E-05	3.46722E-06	0.0002	2.29E-08	2.79E-04	6.72E-05	2.67E-06	0.00043	2.37E-08
558	489628.13	3861558.47	0.03348	0.03237	0.03018	0.0374	6.10E-05	2.8E-06	0.00016	4E-08	0.00022	7.48E-05	3.37545E-06	0.000196	2.23E-08	2.74E-04	6.59E-05	2.6E-06	0.000422	2.31E-08
559	489678.13	3861558.47	0.03355	0.03257	0.03026	0.03756	6.12E-05	2.8E-06	0.00016	4E-08	0.00022	7.49E-05	3.39631E-06	0.000197	2.24E-08	2.75E-04	6.61E-05	2.61E-06	0.000423	2.32E-08
560	489728.13	3861558.47	0.03357	0.03269	0.03029	0.03768	6.12E-05	2.8E-06	0.00016	4E-08	0.00022	7.50E-05	3.40882E-06	0.000197	2.25E-08	2.75E-04	6.61E-05	2.62E-06	0.000424	2.32E-08
561	489357.08	3861015.81	0.04149	0.03986	0.03647	0.04663	7.56E-05	3.4E-06	0.00019	5E-08	0.00027	9.27E-05	4.15649E-06	0.000237	2.78E-08	3.34E-04	8.17E-05	3.2E-06	0.00051	2.88E-08
562	489407.08	3861015.81	0.04146	0.03997	0.03647	0.04676	7.56E-05	3.4E-06	0.00019	5E-08	0.00027	9.26E-05	4.16796E-06	0.000237	2.79E-08	3.34E-04	8.17E-05	3.21E-06	0.00051	2.88E-08
563	489457.08	3861015.81	0.04148	0.0401	0.03651	0.04693	7.56E-05	3.4E-06	0.00019	5E-08	0.00027	9.27E-05	4.18151E-06	0.000237	2.8E-08	3.34E-04	8.17E-05	3.22E-06	0.000511	2.89E-08
564	489357.08	3861065.81	0.04065	0.03901	0.03583	0.04559	7.41E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.08E-05	4.06785E-06	0.000233	2.72E-08	3.28E-04	8.01E-05	3.13E-06	0.000501	2.81E-08
565	489407.08	3861065.81	0.04062	0.03913	0.03582	0.0457	7.40E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.07E-05	4.08037E-06	0.000233	2.73E-08	3.28E-04	8E-05	3.14E-06	0.000501	2.82E-08
566	489457.08	3861065.81	0.04064	0.03927	0.03586	0.04587	7.41E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.08E-05	4.09496E-06	0.000233	2.74E-08	3.28E-04	8E-05	3.15E-06	0.000502	2.83E-08
567	489357.08	3861115.81	0.03981	0.03815	0.03517	0.04456	7.26E-05	3.2E-06	0.00019	4.8E-08	0.00026	8.89E-05	3.97817E-06	0.000228	2.66E-08	3.21E-04	7.84E-05	3.06E-06	0.000492	2.75E-08
568	489407.08	3861115.81	0.03986	0.03836	0.03523	0.04472	7.27E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.90E-05	4.00007E-06	0.000229	2.67E-08	3.22E-04	7.85E-05	3.08E-06	0.000493	2.76E-08
569	489457.08	3861115.81	0.03989	0.03853	0.03528	0.04489	7.27E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.91E-05	4.0178E-06	0.000229	2.68E-08	3.22E-04	7.86E-05	3.09E-06	0.000494	2.77E-08
570	489407.08	3861165.81	0.03911	0.03759	0.03464	0.04376	7.13E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.74E-05	3.91978E-06	0.000225	2.61E-08	3.16E-04	7.7E-05	3.02E-06	0.000485	2.7E-08
571	489457.08	3861165.81	0.03909	0.03772	0.03465	0.04389	7.13E-05	3.2E-06	0.00018	4.7E-08	0.00026	8.73E-05	3.93333E-06	0.000225	2.62E-08	3.16E-04	7.7E-05	3.03E-06	0.000485	2.71E-08
572	489407.08	3861215.81	0.03814	0.0366	0.03387	0.04268	6.95E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.52E-05	3.81654E-06	0.00022	2.55E-08	3.09E-04	7.51E-05	2.94E-06	0.000474	2.63E-08
573	489457.08	3861215.81	0.03816	0.03678	0.0339	0.04281	6.96E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.52E-05	3.83531E-06	0.00022	2.56E-08	3.09E-04	7.52E-05	2.95E-06	0.000474	2.64E-08
574	489407.08	3861265.81	0.0372	0.03563	0.03312	0.04163	6.78E-05	3E-06	0.00018	4.4E-08	0.00025	8.31E-05	3.7154E-06	0.000215	2.48E-08	3.02E-04	7.33E-05	2.86E-06	0.000463	2.57E-08
575	489457.08	3861265.81	0.03727	0.03586	0.03319	0.04179	6.79E-05	3.1E-06	0.00018	4.5E-08	0.00025	8.33E-05	3.73938E-06	0.000216	2.49E-08	3.03E-04	7.34E-05	2.88E-06	0.000464	2.58E-08
576	489309.86	3861110.14	0.03982	0.03801	0.03517	0.04452	7.26E-05	3.2E-06	0.00019	4.7E-08	0.00026	8.89E-05	3.96358E-06	0.000228	2.66E-08	3.21E-04	7.84E-05	3.05E-06	0.000492	2.74E-08
577	489407.08	3861315.81	0.03646	0.03485	0.03253	0.04074	6.65E-05	3E-06	0.00017	4.3E-08	0.00024	8.14E-05	3.63406E-06	0.000211	2.43E-08	2.96E-04	7.18E-05	2.8E-06	0.000455	2.51E-08
578	489457.08	3861315.81	0.03654	0.0351	0.03261	0.04089	6.66E-05	3E-06	0.00017	4.4E-08	0.00024	8.16E-05	3.66013E-06	0.000212	2.44E-08	2.97E-04	7.2E-05	2.82E-06	0.000456	2.52E-08
579	488906.03	3861006.75	0.04152	0.03863	0.03642	0.04644	7.57E-05	3.3E-06	0.00019	5E-08	0.00027	9.27E-05	4.02823E-06	0.000237	2.77E-08	3.33E-04	8.18E-05	3.1E-06	0.000509	2.86E-08
580	488956.03	3861006.75	0.04168	0.03884	0.03659	0.0465	7.60E-05	3.3E-06	0.00019	5E-08	0.00027	9.31E-05	4.05013E-06	0.000238	2.78E-08	3.35E-04	8.21E-05	3.12E-06	0.000512	2.87E-08
581	488904.24	3861051.87	0.04135	0.03855	0.03635	0.04586	7.54E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.24E-05	4.01989E-06	0.000236	2.74E-08	3.33E-04	8.14E-05	3.09E-06	0.000508	2.83E-08
582	488954.24	3861051.87	0.04111	0.03832	0.03616	0.04572	7.49E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.18E-05	3.9959E-06	0.000235	2.73E-08	3.31E-04	8.1E-05	3.07E-06	0.000506	2.82E-08
583	489004.24	3861051.87	0.04133	0.03862	0.03638	0.04579	7.53E-05	3.3E-06	0.00019	4.9E-08	0.00027	9.23E-05	4.02718E-06	0.000236	2.73E-08	3.33E-04	8.14E-05	3.1E-06	0.000509	2.82E-08
584	488804.24	3861101.87	0.04015	0.03753	0.03529	0.04477	7.32E-05	3.2E-06	0.00019	4.8E-08	0.00026	8.97E-05	3.91352E-06	0.000229	2.67E-08	3.23E-04	7.91E-05	3.01E-06	0.000494	2.76E-08
585	488854.24	3861101.87	0.04027	0.03759	0.03544	0.04483	7.34E-05	3.2E-06	0.00019	4.8E-08	0.00026	9.00E-05	3.91978E-06	0.00023	2.68E-08	3.24E-04	7.93E-05	3.02E-06	0.000496	2.76E-08
586	488904.24	3861101.87	0.03981	0.03708	0.03508	0.04456	7.26E-05	3.2E-06	0.00019	4.8E-08	0.00026	8.89E-05	3.8666E-06	0.000228	2.66E-08	3.21E-04	7.84E-05	2.97E-06	0.000491	2.75E-08
587	488954.24	3861101.87	0.03969	0.03697	0.03501	0.04445	7.23E-05	3.1E-06	0.00019	4.7E-08	0.00026	8.87E-05	3.85513E-06	0.000227	2.65E-08	3.20E-04	7.82E-05	2.97E-06	0.00049	2.74E-08
588	489004.24	3861101.87	0.03974	0.03706	0.03507	0.04444	7.24E-05	3.2E-06	0.00019	4.7E-08	0.00026	8.88E-05	3.86451E-06	0.000228	2.65E-08	3.20E-04	7.83E-05	2.97E-06	0.000491	2.74E-08
589	488804.24	3861151.87	0.03872	0.03623	0.03412	0.04349	7.06E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.65E-05	3.77796E-06	0.000222	2.6E-08	3.12E-04	7.63E-05	2.91E-06	0.000477	2.68E-08
590	488854.24	3861151.87	0.03864	0.03607	0.0341	0.04343	7.04E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.63E-05	3.76128E-06	0.000221	2.59E-08	3.12E-04	7.61E-05	2.89E-06	0.000477	2.68E-08
591	489129.49	3861187.55	0.03819	0.03579	0.03387	0.04269	6.96E-05	3E-06	0.00018	4.6E-08	0.00025	8.53E-05	3.73208E-06	0.00022	2.55E-08	3.09E-04	7.52E-05	2.87E-06	0.000474	2.63E-08
592	489179.49	3861187.55	0.03822	0.03595	0.0339	0.0427	6.97E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.54E-05	3.74876E-06	0.00022	2.55E-08	3.09E-04	7.53E-05	2.88E-06	0.000474	2.63E-08
593	488804.24	3861201.87	0.03796	0.0356	0.03352	0.0426	6.92E-05	3E-06	0.00018	4.5E-08	0.00025	8.48E-05	3.71227E-06	0.000218	2.54E-08	3.06E-04	7.48E-05	2.86E-06	0.000469	2.63E-08
594	488854.24	3861201.87	0.03777	0.03532	0.03341	0.04248	6.88E-05	3E-06	0.00018	4.5E-08	0.00025	8.44E-05	3.68307E-06	0.000217	2.54E-08	3.05E-04	7.44E-05	2.83E-06	0.000467	2.62E-08
595	489129.49	3861237.55	0.03751	0.03512	0.03333	0.04188	6.84E-05	3E-06	0.00018	4.5E-08	0.00025	8.38E-05	3.66221E-06	0.000216	2.5E-08	3.04E-04	7.39E-05	2.82E-06	0.000466	2.58E-08
596	489179.49	3861237.55	0.03746	0.03518	0.0333	0.04182	6.83E-05	3E-06	0.00018	4.5E-08	0.00025	8.37E-05	3.66847E-06	0.000216	2.5E-08	3.04E-04	7.38E-05	2.82E-06	0.000466	2.58E-08
597	488804.24	3861251.87	0.03726	0.03504	0.03298	0.04177	6.79E-05	3E-06	0.00018	4.5E-08	0.00025	8.32E-05	3.65387E-06	0.000214	2.49E-08	3.01E-04	7.34E-05	2.81E-06	0.000461	2.58E-08
598	488854.24	3861251.87	0.03705	0.03471	0.03283	0.04164	6.75E-05	3E-06	0.00017	4.4E-08	0.00024	8.28E-05	3.61946E-06	0.000213	2.49E-08	3.00E-04	7.3E-05	2.78E-06	0.000459	2.57E-08
599	488804.24	3861301.87	0.03648	0.03439	0.03235	0.04089	6.65E-05	2.9E-06	0.00017	4.4E-08	0.00024	8.15E-05	3.58609E-06	0.00021	2.44E-08	2.95E-04	7.18E-05	2.76E-06	0.000453	2.52E-08
600	488854.24	3861301.87	0.03635	0.03413	0.03227	0.04082	6.63E-05	2.9E-06	0.00017	4.4E-08	0.00024	8.12E-05	3.55898E-06	0.00021	2.44E-08	2.94E-04	7.16E-05	2.74E-06	0.000451	2.52E-08
601	490943.5	3860181.97	0.06028	0.05882	0.0494	0.06938	1.10E-04	5E-06	0.00026	7.4E-08	0.00038	1.35E-04	6.13358E-06	0.000321	4.14E-08	4.62E-04	0.000119	4.72E-06	0.000691	4.28E-08
602	490993.5	3860181.97	0.06014	0.05854	0.04909	0.06903	1.10E-04	5E-06	0.00026	7.4E-08	0.00038	1.34E-04	6.10439E-06	0.000319	4.12E-08	4.59E-04	0.000118	4.7E-06	0.000687	4.26E-08
603	491043.5	3860181.97	0.06003	0.0583	0.04882	0.06874	1.09E-04	5E-06	0.00026	7.3E-08	0.00037	1.34E-04	6.07936E-06	0.000317	4.1E-08	4.57E-04	0.000118	4.68E-06	0.000683	4.24E-08
604	491093.5	3860181.97	0.05987	0.05802	0.04852	0.06846	1.09E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.34E-04	6.05016E-06	0.000315	4.09E-08	4.55E-04	0.000118	4.65E-06	0.000679	4.22E-08
605	490943.5	3860231.97	0.05868	0.05764	0.04865	0.06795	1.07E-04	4.9E-06	0.00026	7.2E-08	0.00037	1.31E-04	6.01054E-06	0.000316	4.06E-08	4.53E-04	0.000116	4.62E-06	0.000681	4.19E-08
606	490993.5	3860231.97	0.05863	0.05748	0.04843	0.06762	1.07E-04	4.9E-06	0.00026	7.2E-08	0.00037	1.31E-04	5.99385E-06	0.000315	4.04E-08	4.52E-04	0.000115	4.61E-06	0.000677	4.17E-08

607	491043.5	3860231.97	0.05838	0.0571	0.04806	0.06721	1.06E-04	4.9E-06	0.00026	7.2E-08	0.00037	1.30E-04	5.95423E-06	0.000312	4.01E-08	4.49E-04	0.000115	4.58E-06	0.000672	4.14E-08
608	491093.5	3860231.97	0.05817	0.05676	0.04772	0.06686	1.06E-04	4.8E-06	0.00025	7.1E-08	0.00036	1.30E-04	5.91877E-06	0.00031	3.99E-08	4.46E-04	0.000115	4.55E-06	0.000668	4.12E-08
609	490943.5	3860281.97	0.05724	0.05655	0.04795	0.06667	1.04E-04	4.8E-06	0.00025	7.1E-08	0.00036	1.28E-04	5.89687E-06	0.000311	3.98E-08	4.45E-04	0.000113	4.54E-06	0.000671	4.11E-08
610	490993.5	3860281.97	0.05711	0.05633	0.04769	0.06627	1.04E-04	4.8E-06	0.00025	7.1E-08	0.00036	1.28E-04	5.87393E-06	0.00031	3.96E-08	4.43E-04	0.000112	4.52E-06	0.000667	4.09E-08
611	491043.5	3860281.97	0.05688	0.05598	0.04735	0.06584	1.04E-04	4.8E-06	0.00025	7E-08	0.00036	1.27E-04	5.83744E-06	0.000308	3.93E-08	4.40E-04	0.000112	4.49E-06	0.000662	4.06E-08
612	491093.5	3860281.97	0.05666	0.05565	0.04702	0.06545	1.03E-04	4.7E-06	0.00025	7E-08	0.00036	1.27E-04	5.80302E-06	0.000305	3.91E-08	4.38E-04	0.000112	4.46E-06	0.000658	4.04E-08
613	490943.5	3860331.97	0.05592	0.05552	0.04728	0.0655	1.02E-04	4.7E-06	0.00025	7E-08	0.00036	1.25E-04	5.78947E-06	0.000307	3.91E-08	4.38E-04	0.00011	4.45E-06	0.000661	4.04E-08
614	490993.5	3860331.97	0.05563	0.05514	0.04691	0.06498	1.01E-04	4.7E-06	0.00025	6.9E-08	0.00036	1.24E-04	5.74984E-06	0.000305	3.88E-08	4.35E-04	0.00011	4.42E-06	0.000656	4.01E-08
615	491043.5	3860331.97	0.05538	0.0548	0.04658	0.06451	1.01E-04	4.7E-06	0.00025	6.9E-08	0.00035	1.24E-04	5.71439E-06	0.000303	3.85E-08	4.32E-04	0.000109	4.4E-06	0.000652	3.98E-08
616	491093.5	3860331.97	0.05516	0.05449	0.04626	0.06409	1.01E-04	4.6E-06	0.00025	6.8E-08	0.00035	1.23E-04	5.68206E-06	0.0003	3.83E-08	4.29E-04	0.000109	4.37E-06	0.000647	3.95E-08
617	490086.72	3859935.12	0.07528	0.07249	0.06024	0.08735	1.37E-04	6.2E-06	0.00032	9.3E-08	0.00046	1.68E-04	7.55905E-06	0.000391	5.21E-08	5.67E-04	0.000148	5.81E-06	0.000843	5.39E-08
618	490136.72	3859935.12	0.07475	0.07212	0.05993	0.08686	1.36E-04	6.1E-06	0.00032	9.3E-08	0.00046	1.67E-04	7.52047E-06	0.000389	5.18E-08	5.64E-04	0.000147	5.79E-06	0.000838	5.36E-08
619	490186.72	3859935.12	0.07423	0.07172	0.05958	0.08626	1.35E-04	6.1E-06	0.00032	9.2E-08	0.00046	1.66E-04	7.47876E-06	0.000387	5.15E-08	5.60E-04	0.000146	5.75E-06	0.000833	5.32E-08
620	490236.72	3859935.12	0.07373	0.07128	0.0592	0.08559	1.34E-04	6.1E-06	0.00031	9.1E-08	0.00046	1.65E-04	7.43288E-06	0.000385	5.11E-08	5.57E-04	0.000145	5.72E-06	0.000828	5.28E-08
621	490286.72	3859935.12	0.07322	0.07077	0.05876	0.08485	1.33E-04	6E-06	0.00031	9.1E-08	0.00045	1.64E-04	7.3797E-06	0.000382	5.06E-08	5.53E-04	0.000144	5.68E-06	0.000822	5.23E-08
622	490336.72	3859935.12	0.07275	0.07025	0.05829	0.08409	1.33E-04	6E-06	0.00031	9E-08	0.00045	1.63E-04	7.32547E-06	0.000379	5.02E-08	5.48E-04	0.000143	5.64E-06	0.000815	5.18E-08
623	490386.72	3859935.12	0.07238	0.06978	0.05786	0.08335	1.32E-04	5.9E-06	0.00031	8.9E-08	0.00045	1.62E-04	7.27646E-06	0.000376	4.97E-08	5.45E-04	0.000143	5.6E-06	0.000809	5.14E-08
624	490436.72	3859935.12	0.07204	0.06929	0.0574	0.08263	1.31E-04	5.9E-06	0.0003	8.8E-08	0.00044	1.61E-04	7.22537E-06	0.000373	4.93E-08	5.41E-04	0.000142	5.56E-06	0.000803	5.09E-08
625	490486.72	3859935.12	0.07179	0.06886	0.05698	0.08197	1.31E-04	5.9E-06	0.0003	8.7E-08	0.00044	1.60E-04	7.18053E-06	0.00037	4.89E-08	5.38E-04	0.000141	5.52E-06	0.000797	5.05E-08
626	490536.72	3859935.12	0.07179	0.06868	0.05673	0.08144	1.31E-04	5.8E-06	0.0003	8.7E-08	0.00044	1.60E-04	7.16176E-06	0.000368	4.86E-08	5.36E-04	0.000141	5.51E-06	0.000794	5.02E-08
627	490586.72	3859935.12	0.07189	0.0686	0.05655	0.081	1.31E-04	5.8E-06	0.0003	8.6E-08	0.00044	1.61E-04	7.15341E-06	0.000367	4.83E-08	5.35E-04	0.000142	5.5E-06	0.000791	4.99E-08
628	490636.72	3859935.12	0.07185	0.06837	0.05626	0.08057	1.31E-04	5.8E-06	0.0003	8.6E-08	0.00044	1.60E-04	7.12943E-06	0.000365	4.81E-08	5.33E-04	0.000142	5.48E-06	0.000787	4.97E-08
629	490686.72	3859935.12	0.07209	0.06848	0.0562	0.08028	1.31E-04	5.8E-06	0.0003	8.6E-08	0.00044	1.61E-04	7.1409E-06	0.000365	4.79E-08	5.33E-04	0.000142	5.49E-06	0.000786	4.95E-08
630	490736.72	3859935.12	0.07219	0.06845	0.05605	0.08002	1.32E-04	5.8E-06	0.0003	8.5E-08	0.00044	1.61E-04	7.13777E-06	0.000364	4.78E-08	5.32E-04	0.000142	5.49E-06	0.000784	4.93E-08
631	490086.72	3859985.12	0.07333	0.0708	0.05908	0.08516	1.34E-04	6E-06	0.00031	9.1E-08	0.00045	1.64E-04	7.38282E-06	0.000384	5.08E-08	5.55E-04	0.000144	5.68E-06	0.000826	5.25E-08
632	490136.72	3859985.12	0.07282	0.07047	0.0588	0.08481	1.33E-04	6E-06	0.00031	9E-08	0.00045	1.63E-04	7.34841E-06	0.000382	5.06E-08	5.52E-04	0.000143	5.65E-06	0.000823	5.23E-08
633	490186.72	3859985.12	0.07236	0.07018	0.05854	0.08437	1.32E-04	6E-06	0.00031	9E-08	0.00045	1.62E-04	7.31817E-06	0.00038	5.04E-08	5.49E-04	0.000143	5.63E-06	0.000819	5.2E-08
634	490236.72	3859985.12	0.07194	0.06988	0.05827	0.08383	1.31E-04	5.9E-06	0.00031	8.9E-08	0.00045	1.61E-04	7.28689E-06	0.000378	5E-08	5.47E-04	0.000142	5.61E-06	0.000815	5.17E-08
635	490286.72	3859985.12	0.07142	0.06942	0.05788	0.08318	1.30E-04	5.9E-06	0.00031	8.9E-08	0.00044	1.60E-04	7.23892E-06	0.000376	4.96E-08	5.43E-04	0.000141	5.57E-06	0.00081	5.13E-08
636	490336.72	3859985.12	0.07092	0.06893	0.05745	0.08247	1.29E-04	5.9E-06	0.00031	8.8E-08	0.00044	1.58E-04	7.18783E-06	0.000373	4.92E-08	5.39E-04	0.00014	5.53E-06	0.000804	5.08E-08
637	490386.72	3859985.12	0.07038	0.06834	0.05694	0.08171	1.28E-04	5.8E-06	0.0003	8.7E-08	0.00044	1.57E-04	7.1263E-06	0.00037	4.88E-08	5.34E-04	0.000139	5.48E-06	0.000797	5.04E-08
638	490436.72	3859985.12	0.06996	0.06783	0.05648	0.08097	1.28E-04	5.8E-06	0.0003	8.6E-08	0.00043	1.56E-04	7.07312E-06	0.000367	4.83E-08	5.30E-04	0.000138	5.44E-06	0.00079	4.99E-08
639	490486.72	3859985.12	0.06963	0.06739	0.05606	0.08028	1.27E-04	5.7E-06	0.0003	8.6E-08	0.00043	1.56E-04	7.02724E-06	0.000364	4.79E-08	5.27E-04	0.000137	5.41E-06	0.000784	4.95E-08
640	490536.72	3859985.12	0.06946	0.06707	0.05572	0.07967	1.27E-04	5.7E-06	0.0003	8.5E-08	0.00043	1.55E-04	6.99387E-06	0.000362	4.76E-08	5.24E-04	0.000137	5.38E-06	0.000779	4.91E-08
641	490586.72	3859985.12	0.06939	0.06685	0.05545	0.07913	1.26E-04	5.7E-06	0.00029	8.4E-08	0.00043	1.55E-04	6.97093E-06	0.00036	4.72E-08	5.22E-04	0.000137	5.36E-06	0.000776	4.88E-08
642	490636.72	3859985.12	0.06943	0.06673	0.05525	0.07868	1.27E-04	5.7E-06	0.00029	8.4E-08	0.00043	1.55E-04	6.95842E-06	0.000359	4.7E-08	5.21E-04	0.000137	5.35E-06	0.000773	4.85E-08
643	490686.72	3859985.12	0.06964	0.06681	0.05519	0.07832	1.27E-04	5.7E-06	0.00029	8.4E-08	0.00043	1.56E-04	6.96676E-06	0.000358	4.67E-08	5.21E-04	0.000137	5.36E-06	0.000772	4.83E-08
644	490736.72	3859985.12	0.06958	0.06657	0.05489	0.07795	1.27E-04	5.7E-06	0.00029	8.3E-08	0.00042	1.55E-04	6.94173E-06	0.000357	4.65E-08	5.19E-04	0.000137	5.34E-06	0.000768	4.81E-08
645	490786.72	3859985.12	0.06954	0.06635	0.05461	0.07765	1.27E-04	5.6E-06	0.00029	8.3E-08	0.00042	1.55E-04	6.91879E-06	0.000355	4.63E-08	5.17E-04	0.000137	5.32E-06	0.000764	4.79E-08
646	490086.72	3860035.12	0.07142	0.0691	0.05789	0.08291	1.30E-04	5.9E-06	0.00031	8.8E-08	0.00044	1.60E-04	7.20555E-06	0.000376	4.95E-08	5.43E-04	0.000141	5.54E-06	0.00081	5.11E-08
647	490136.72	3860035.12	0.071	0.06886	0.05768	0.08272	1.29E-04	5.9E-06	0.00031	8.8E-08	0.00044	1.59E-04	7.18053E-06	0.000375	4.94E-08	5.40E-04	0.00014	5.52E-06	0.000807	5.1E-08
648	490186.72	3860035.12	0.07056	0.0686	0.05746	0.08241	1.29E-04	5.8E-06	0.00031	8.8E-08	0.00044	1.58E-04	7.15341E-06	0.000373	4.92E-08	5.38E-04	0.000139	5.5E-06	0.000804	5.08E-08
649	490236.72	3860035.12	0.0701	0.06829	0.05719	0.08199	1.28E-04	5.8E-06	0.0003	8.7E-08	0.00044	1.57E-04	7.12109E-06	0.000371	4.89E-08	5.35E-04	0.000138	5.48E-06	0.0008	5.06E-08
650	490286.72	3860035.12	0.06959	0.06789	0.05685	0.08144	1.27E-04	5.8E-06	0.0003	8.7E-08	0.00043	1.55E-04	7.07938E-06	0.000369	4.86E-08	5.32E-04	0.000137	5.45E-06	0.000795	5.02E-08
651	490336.72	3860035.12	0.06918	0.06755	0.05654	0.08085	1.26E-04	5.7E-06	0.0003	8.6E-08	0.00043	1.55E-04	7.04392E-06	0.000367	4.83E-08	5.29E-04	0.000136	5.42E-06	0.000791	4.98E-08
652	490386.72	3860035.12	0.06862	0.067	0.05607	0.08015	1.25E-04	5.7E-06	0.0003	8.6E-08	0.00043	1.53E-04	6.98657E-06	0.000364	4.78E-08	5.25E-04	0.000135	5.37E-06	0.000784	4.94E-08
653	490436.72	3860035.12	0.06814	0.06649	0.05562	0.07943	1.24E-04	5.7E-06	0.0003	8.5E-08	0.00043	1.52E-04	6.93339E-06	0.000361	4.74E-08	5.20E-04	0.000134	5.33E-06	0.000778	4.9E-08
654	490486.72	3860035.12	0.06773	0.06602	0.0552	0.07873	1.23E-04	5.6E-06	0.00029	8.4E-08	0.00042	1.51E-04	6.88438E-06	0.000359	4.7E-08	5.17E-04	0.000133	5.3E-06	0.000772	4.85E-08
655	490536.72	3860035.12	0.06746	0.06566	0.05484	0.07808	1.23E-04	5.6E-06	0.00029	8.3E-08	0.00042	1.51E-04	6.84684E-06	0.000356	4.66E-08	5.14E-04	0.000133	5.27E-06	0.000767	4.81E-08
656	490586.72	3860035.12	0.06723	0.0653	0.05448	0.07746	1.23E-04	5.6E-06	0.00029	8.3E-08	0.00042	1.50E-04	6.8093E-06	0.000354	4.62E-08	5.11E-04	0.000132	5.24E-06	0.000762	4.78E-08
657	490636.72	3860035.12	0.06697	0.06488	0.05407	0.07686	1.22E-04	5.5E-06	0.00029	8.2E-08	0.00041	1.50E-04	6.7655E-06	0.000351	4.59E-08	5.08E-04	0.000132	5.2E-06	0.000756	4.74E-08
658	490686.72	3860035.12	0.06695	0.06471	0.05383	0.0764	1.22E-04	5.5E-06	0.00029	8.2E-08	0.00041	1.50E-04	6.74778E-06	0.00035	4.56E-08	5.06E-04	0.000132	5.19E-06	0.000753	4.71E-08
659	490736.72	3860035.12	0.06717	0.06482	0.05379	0.07607	1.22E-04	5.5E-06	0.00029	8.1E-08	0.00041	1.50E-04	6.75925E-06	0.000349	4.54E-08	5.06E-04	0.000132	5.2E-06	0.000752	4.69E-08
660	490786.72	3860035.12	0.06709	0.06456	0.0535	0.07569	1.22E-04	5.5E-06	0.00028	8.1E-08	0.00041	1.50E-04	6.73213E-06	0.000347	4.52E-08	5.04E-04	0.000132	5.18E-06	0.000748	4.67E-08
661	490836.72	3860035.12	0.067	0.06431	0.0532	0.07538	1.22E-04	5.5E-06	0.00028	8E-08	0.00041	1.50E-04	6.70607E-06	0.000346	4.5E-08	5.02E-04	0.000132	5.16E-06	0.000744	4.65E-08
662	490086.72	3860085.12	0.06978	0.06769	0.05689	0.08067	1.27E-04	5.8E-06	0.0003	8.6E-08	0.00044	1.56E-04	7.05852E-06	0.00037	4.81E-08	5.32E-04	0.000137	5.43E-06	0.000796	4.97E-08
663	490136.72	3860085.12	0.0692	0.06723	0.05653	0.08056	1.26E-04	5.7E-06	0.0003	8.6E-08	0.00043	1.55E-04	7.01055E-06	0.000367	4.81E-08	5.29E-04	0.000136	5.39E-06	0.000791	4.97E-08
664	490186.72	3860085.12	0.06891	0.06713	0.05643	0.08042	1.26E-04	5.7E-06	0.0003	8.6E-08	0.00043	1.54E-04	7.00013E-06	0.000367	4.8E-08	5.28E-04	0.000136	5.39E-06	0.000789	4.96E-08
665	490236.72	3860085.12	0.06846	0.06685	0.05619	0.08013	1.25E-04	5.7E-06	0.0003	8.5E-08	0.00043	1.53E-04	6.97093E-06	0.000365	4.78E-08	5.25E-04	0.000135	5.36E-06	0.000786	4.94E-08
666	490286.72	3860085.12	0.068	0.06651	0.05591	0.07972	1.24E-04	5.7E-06	0.0003	8.5E-08	0.00043	1.52E-04	6.93547E-06	0.000363	4.76E-08	5.22E-04	0.000134	5.34E-06	0.000782	4.92E-08
667	490336.72	3860085.12	0.06748	0.06609	0.05555	0.0792	1.23E-04	5.6E-06	0.0003	8.4E-08	0.00042	1.51E-04	6.89168E-06	0.000361	4.73E-08	5.18E-04	0.000133	5.3E-06	0.000777	4.88E-08

668	490386.72	3860085.12	0.06697	0.06565	0.05517	0.0786	1.22E-04	5.6E-06	0.00029	8.4E-08	0.00042	1.50E-04	6.8458E-06	0.000358	4.69E-08	5.15E-04	0.000132	5.27E-06	0.000772	4.85E-08
669	490436.72	3860085.12	0.06649	0.06519	0.05477	0.07794	1.21E-04	5.5E-06	0.00029	8.3E-08	0.00042	1.49E-04	6.79783E-06	0.000356	4.65E-08	5.11E-04	0.000131	5.23E-06	0.000766	4.81E-08
670	490486.72	3860085.12	0.066	0.06468	0.05433	0.07724	1.20E-04	5.5E-06	0.00029	8.2E-08	0.00041	1.47E-04	6.74465E-06	0.000353	4.61E-08	5.07E-04	0.00013	5.19E-06	0.00076	4.76E-08
671	490536.72	3860085.12	0.06566	0.0643	0.05396	0.07659	1.20E-04	5.5E-06	0.00029	8.2E-08	0.00041	1.47E-04	6.70502E-06	0.00035	4.57E-08	5.04E-04	0.000129	5.16E-06	0.000755	4.72E-08
672	490586.72	3860085.12	0.06536	0.06392	0.0536	0.07595	1.19E-04	5.4E-06	0.00028	8.1E-08	0.00041	1.46E-04	6.6654E-06	0.000348	4.53E-08	5.01E-04	0.000129	5.13E-06	0.00075	4.68E-08
673	490636.72	3860085.12	0.06505	0.0635	0.05319	0.07531	1.19E-04	5.4E-06	0.00028	8E-08	0.00041	1.45E-04	6.6216E-06	0.000345	4.49E-08	4.97E-04	0.000128	5.09E-06	0.000744	4.64E-08
674	490686.72	3860085.12	0.06489	0.06322	0.05289	0.07478	1.18E-04	5.4E-06	0.00028	8E-08	0.0004	1.45E-04	6.5924E-06	0.000344	4.46E-08	4.95E-04	0.000128	5.07E-06	0.00074	4.61E-08
675	490736.72	3860085.12	0.06484	0.06304	0.05265	0.07432	1.18E-04	5.4E-06	0.00028	7.9E-08	0.0004	1.45E-04	6.57363E-06	0.000342	4.44E-08	4.93E-04	0.000128	5.06E-06	0.000737	4.58E-08
676	490786.72	3860085.12	0.06483	0.06289	0.05243	0.07391	1.18E-04	5.4E-06	0.00028	7.9E-08	0.0004	1.45E-04	6.55799E-06	0.000341	4.41E-08	4.92E-04	0.000128	5.04E-06	0.000733	4.56E-08
677	490836.72	3860085.12	0.0647	0.06259	0.05211	0.07352	1.18E-04	5.3E-06	0.00028	7.8E-08	0.0004	1.45E-04	6.52671E-06	0.000338	4.39E-08	4.90E-04	0.000127	5.02E-06	0.000729	4.53E-08
678	490086.72	3860135.12	0.06754	0.06551	0.05532	0.07823	1.23E-04	5.6E-06	0.00029	8.3E-08	0.00042	1.51E-04	6.8312E-06	0.000359	4.67E-08	5.17E-04	0.000133	5.26E-06	0.000774	4.82E-08
679	490136.72	3860135.12	0.06737	0.06552	0.05531	0.07833	1.23E-04	5.6E-06	0.00029	8.4E-08	0.00042	1.50E-04	6.83224E-06	0.000359	4.68E-08	5.17E-04	0.000133	5.26E-06	0.000774	4.83E-08
680	490186.72	3860135.12	0.06714	0.06548	0.05526	0.07833	1.22E-04	5.6E-06	0.00029	8.4E-08	0.00042	1.50E-04	6.82807E-06	0.000359	4.68E-08	5.16E-04	0.000132	5.25E-06	0.000773	4.83E-08
681	490236.72	3860135.12	0.06676	0.06526	0.05507	0.07817	1.22E-04	5.6E-06	0.00029	8.3E-08	0.00042	1.49E-04	6.80513E-06	0.000358	4.67E-08	5.14E-04	0.000131	5.24E-06	0.00077	4.82E-08
682	490286.72	3860135.12	0.06637	0.06503	0.05487	0.07791	1.21E-04	5.5E-06	0.00029	8.3E-08	0.00042	1.48E-04	6.78114E-06	0.000356	4.65E-08	5.11E-04	0.000131	5.22E-06	0.000768	4.8E-08
683	490336.72	3860135.12	0.06594	0.06472	0.05461	0.07753	1.20E-04	5.5E-06	0.00029	8.3E-08	0.00042	1.47E-04	6.74882E-06	0.000355	4.63E-08	5.09E-04	0.00013	5.19E-06	0.000764	4.78E-08
684	490386.72	3860135.12	0.06545	0.06433	0.05427	0.07704	1.19E-04	5.5E-06	0.00029	8.2E-08	0.00041	1.46E-04	6.70815E-06	0.000352	4.6E-08	5.05E-04	0.000129	5.16E-06	0.000759	4.75E-08
685	490436.72	3860135.12	0.06493	0.06387	0.05388	0.07645	1.18E-04	5.4E-06	0.00029	8.2E-08	0.00041	1.45E-04	6.66018E-06	0.00035	4.56E-08	5.02E-04	0.000128	5.12E-06	0.000754	4.71E-08
686	490486.72	3860135.12	0.06446	0.06343	0.0535	0.07582	1.17E-04	5.4E-06	0.00028	8.1E-08	0.00041	1.44E-04	6.6143E-06	0.000347	4.53E-08	4.98E-04	0.000127	5.09E-06	0.000748	4.67E-08
687	490536.72	3860135.12	0.06409	0.06306	0.05316	0.0752	1.17E-04	5.4E-06	0.00028	8E-08	0.0004	1.43E-04	6.57572E-06	0.000345	4.49E-08	4.95E-04	0.000126	5.06E-06	0.000744	4.64E-08
688	490586.72	3860135.12	0.06371	0.06265	0.05277	0.07455	1.16E-04	5.3E-06	0.00028	8E-08	0.0004	1.42E-04	6.53296E-06	0.000343	4.45E-08	4.92E-04	0.000125	5.03E-06	0.000738	4.6E-08
689	490636.72	3860135.12	0.06336	0.06224	0.05238	0.07391	1.15E-04	5.3E-06	0.00028	7.9E-08	0.0004	1.42E-04	6.49021E-06	0.00034	4.41E-08	4.88E-04	0.000125	4.99E-06	0.000733	4.56E-08
690	490686.72	3860135.12	0.06305	0.06183	0.05199	0.07329	1.15E-04	5.3E-06	0.00028	7.8E-08	0.0004	1.41E-04	6.44746E-06	0.000338	4.37E-08	4.85E-04	0.000124	4.96E-06	0.000727	4.52E-08
691	490736.72	3860135.12	0.06284	0.06151	0.05166	0.07274	1.15E-04	5.2E-06	0.00027	7.8E-08	0.00039	1.40E-04	6.41409E-06	0.000336	4.34E-08	4.82E-04	0.000124	4.93E-06	0.000723	4.48E-08
692	490786.72	3860135.12	0.06277	0.06132	0.05143	0.07229	1.14E-04	5.2E-06	0.00027	7.7E-08	0.00039	1.40E-04	6.39428E-06	0.000334	4.31E-08	4.81E-04	0.000124	4.92E-06	0.000719	4.46E-08
693	490836.72	3860135.12	0.06258	0.06099	0.05108	0.07182	1.14E-04	5.2E-06	0.00027	7.7E-08	0.00039	1.40E-04	6.35986E-06	0.000332	4.29E-08	4.78E-04	0.000123	4.89E-06	0.000715	4.43E-08
694	490086.72	3860185.12	0.06559	0.06367	0.05398	0.07585	1.20E-04	5.4E-06	0.00029	8.1E-08	0.00041	1.47E-04	6.63933E-06	0.000351	4.53E-08	5.04E-04	0.000129	5.11E-06	0.000755	4.68E-08
695	490136.72	3860185.12	0.06556	0.06382	0.05408	0.07608	1.20E-04	5.4E-06	0.00029	8.1E-08	0.00041	1.46E-04	6.65497E-06	0.000351	4.54E-08	5.04E-04	0.000129	5.12E-06	0.000757	4.69E-08
696	490186.72	3860185.12	0.06541	0.06385	0.05408	0.07619	1.19E-04	5.4E-06	0.00029	8.1E-08	0.00041	1.46E-04	6.6581E-06	0.000351	4.55E-08	5.04E-04	0.000129	5.12E-06	0.000757	4.7E-08
697	490236.72	3860185.12	0.06511	0.06372	0.05396	0.07617	1.19E-04	5.4E-06	0.00029	8.1E-08	0.00041	1.45E-04	6.64454E-06	0.00035	4.55E-08	5.03E-04	0.000128	5.11E-06	0.000755	4.7E-08
698	490286.72	3860185.12	0.06477	0.06353	0.0538	0.07603	1.18E-04	5.4E-06	0.00029	8.1E-08	0.00041	1.45E-04	6.62473E-06	0.000349	4.54E-08	5.01E-04	0.000128	5.1E-06	0.000753	4.69E-08
699	490336.72	3860185.12	0.06438	0.06327	0.05358	0.07578	1.17E-04	5.4E-06	0.00028	8.1E-08	0.00041	1.44E-04	6.59762E-06	0.000348	4.52E-08	4.98E-04	0.000127	5.08E-06	0.00075	4.67E-08
700	490386.72	3860185.12	0.06395	0.06296	0.05332	0.07542	1.17E-04	5.4E-06	0.00028	8E-08	0.00041	1.43E-04	6.56529E-06	0.000346	4.5E-08	4.96E-04	0.000126	5.05E-06	0.000746	4.65E-08
701	490436.72	3860185.12	0.0635	0.06261	0.05301	0.07496	1.16E-04	5.3E-06	0.00028	8E-08	0.0004	1.42E-04	6.52879E-06	0.000344	4.47E-08	4.93E-04	0.000125	5.02E-06	0.000742	4.62E-08
702	490486.72	3860185.12	0.06303	0.06221	0.05267	0.07441	1.15E-04	5.3E-06	0.00028	7.9E-08	0.0004	1.41E-04	6.48708E-06	0.000342	4.44E-08	4.89E-04	0.000124	4.99E-06	0.000737	4.59E-08
703	490536.72	3860185.12	0.06261	0.06183	0.05233	0.07383	1.14E-04	5.3E-06	0.00028	7.9E-08	0.0004	1.40E-04	6.44746E-06	0.00034	4.41E-08	4.86E-04	0.000123	4.96E-06	0.000732	4.55E-08
704	490586.72	3860185.12	0.06226	0.06149	0.05201	0.07324	1.13E-04	5.2E-06	0.00028	7.8E-08	0.0004	1.39E-04	6.412E-06	0.000338	4.37E-08	4.83E-04	0.000123	4.93E-06	0.000728	4.52E-08
705	490636.72	3860185.12	0.06184	0.06104	0.0516	0.07258	1.13E-04	5.2E-06	0.00027	7.7E-08	0.00039	1.38E-04	6.36508E-06	0.000335	4.33E-08	4.80E-04	0.000122	4.9E-06	0.000722	4.48E-08
706	490686.72	3860185.12	0.06152	0.06067	0.05125	0.07197	1.12E-04	5.2E-06	0.00027	7.7E-08	0.00039	1.37E-04	6.3265E-06	0.000333	4.3E-08	4.77E-04	0.000121	4.87E-06	0.000717	4.44E-08
707	490736.72	3860185.12	0.06116	0.06022	0.05083	0.07134	1.11E-04	5.1E-06	0.00027	7.6E-08	0.00039	1.37E-04	6.27957E-06	0.00033	4.26E-08	4.73E-04	0.00012	4.83E-06	0.000711	4.4E-08
708	490786.72	3860185.12	0.06094	0.0599	0.0505	0.0708	1.11E-04	5.1E-06	0.00027	7.6E-08	0.00038	1.36E-04	6.2462E-06	0.000328	4.23E-08	4.70E-04	0.00012	4.81E-06	0.000706	4.37E-08
709	490836.72	3860185.12	0.06074	0.0596	0.05018	0.0703	1.11E-04	5.1E-06	0.00027	7.5E-08	0.00038	1.36E-04	6.21492E-06	0.000326	4.2E-08	4.68E-04	0.00012	4.78E-06	0.000702	4.33E-08
710	490086.72	3860235.12	0.06377	0.06197	0.05272	0.07355	1.16E-04	5.3E-06	0.00028	7.8E-08	0.0004	1.42E-04	6.46206E-06	0.000342	4.39E-08	4.91E-04	0.000126	4.97E-06	0.000737	4.53E-08
711	490136.72	3860235.12	0.06375	0.0621	0.05281	0.07382	1.16E-04	5.3E-06	0.00028	7.9E-08	0.0004	1.42E-04	6.47561E-06	0.000343	4.41E-08	4.92E-04	0.000126	4.98E-06	0.000739	4.55E-08
712	490186.72	3860235.12	0.06367	0.06219	0.05287	0.07402	1.16E-04	5.3E-06	0.00028	7.9E-08	0.0004	1.42E-04	6.485E-06	0.000343	4.42E-08	4.92E-04	0.000125	4.99E-06	0.00074	4.56E-08
713	490236.72	3860235.12	0.06348	0.06216	0.05283	0.07412	1.16E-04	5.3E-06	0.00028	7.9E-08	0.0004	1.42E-04	6.48187E-06	0.000343	4.42E-08	4.91E-04	0.000125	4.99E-06	0.000739	4.57E-08
714	490286.72	3860235.12	0.06321	0.06204	0.05272	0.07411	1.15E-04	5.3E-06	0.00028	7.9E-08	0.0004	1.41E-04	6.46936E-06	0.000342	4.42E-08	4.90E-04	0.000124	4.98E-06	0.000737	4.57E-08
715	490336.72	3860235.12	0.06289	0.06187	0.05258	0.07399	1.15E-04	5.3E-06	0.00028	7.9E-08	0.0004	1.40E-04	6.45163E-06	0.000342	4.42E-08	4.88E-04	0.000124	4.96E-06	0.000736	4.56E-08
716	490386.72	3860235.12	0.06252	0.06164	0.05238	0.07376	1.14E-04	5.2E-06	0.00028	7.9E-08	0.0004	1.40E-04	6.42764E-06	0.00034	4.4E-08	4.86E-04	0.000123	4.94E-06	0.000733	4.55E-08
717	490436.72	3860235.12	0.06214	0.06136	0.05214	0.07343	1.13E-04	5.2E-06	0.00028	7.8E-08	0.0004	1.39E-04	6.39845E-06	0.000339	4.38E-08	4.84E-04	0.000122	4.92E-06	0.000729	4.53E-08
718	490486.72	3860235.12	0.06169	0.06101	0.05184	0.07298	1.12E-04	5.2E-06	0.00028	7.8E-08	0.00039	1.38E-04	6.36195E-06	0.000337	4.36E-08	4.81E-04	0.000121	4.89E-06	0.000725	4.5E-08
719	490536.72	3860235.12	0.06128	0.06067	0.05154	0.07248	1.12E-04	5.2E-06	0.00027	7.7E-08	0.00039	1.37E-04	6.3265E-06	0.000335	4.33E-08	4.78E-04	0.000121	4.87E-06	0.000721	4.47E-08
720	490586.72	3860235.12	0.06089	0.06032	0.05122	0.07193	1.11E-04	5.1E-06	0.00027	7.7E-08	0.00039	1.36E-04	6.29E-06	0.000333	4.29E-08	4.75E-04	0.00012	4.84E-06	0.000717	4.43E-08
721	490636.72	3860235.12	0.0605	0.05993	0.05087	0.07134	1.10E-04	5.1E-06	0.00027	7.6E-08	0.00039	1.35E-04	6.24933E-06	0.00033	4.26E-08	4.72E-04	0.000119	4.81E-06	0.000712	4.4E-08
722	490686.72	3860235.12	0.06013	0.05955	0.05051	0.07073	1.10E-04	5.1E-06	0.00027	7.5E-08	0.00038	1.34E-04	6.20971E-06	0.000328	4.22E-08	4.69E-04	0.000118	4.78E-06	0.000707	4.36E-08
723	490736.72	3860235.12	0.05976	0.05914	0.05013	0.07011	1.09E-04	5E-06	0.00027	7.5E-08	0.00038	1.33E-04	6.16695E-06	0.000326	4.18E-08	4.65E-04	0.000118	4.74E-06	0.000701	4.32E-08
724	490786.72	3860235.12	0.05942	0.05873	0.04974	0.06951	1.08E-04	5E-06	0.00026	7.4E-08	0.00038	1.33E-04	6.1242E-06	0.000323	4.15E-08	4.62E-04	0.000117	4.71E-06	0.000696	4.29E-08
725	490086.72	3860285.12	0.06195	0.06025	0.05143	0.07128	1.13E-04	5.1E-06	0.00027	7.6E-08	0.00039	1.38E-04	6.2827E-06	0.000334	4.25E-08	4.79E-04	0.000122	4.83E-06	0.000719	4.39E-08
726	490136.72	3860285.12	0.06199	0.06044	0.05157	0.07159	1.13E-04	5.1E-06	0.00027	7.6E-08	0.00039	1.38E-04	6.30251E-06	0.000335	4.27E-08	4.80E-04	0.000122	4.85E-06	0.000721	4.41E-08
727	490186.72	3860285.12	0.06194	0.06053	0.05164	0.07184	1.13E-04	5.2E-06	0.00027	7.7E-08	0.00039	1.38E-04	6.3119E-06	0.000335	4.29E-08	4.80E-04	0.000122	4.86E-06	0.000722	4.43E-08
728	490236.72	3860285.12	0.06186	0.06061	0.05169	0.07205	1.13E-04	5.2E-06	0.00027	7.7E-08	0.00039	1.38E-04	6.32024E-06	0.000336	4.3E-08	4.80E-04	0.000122	4.86E-06	0.000723	4.44E-08

729	490286.72	3860285.12	0.06165	0.06054	0.05163	0.07213	1.12E-04	5.2E-06	0.00027	7.7E-08	0.00039	1.38E-04	6.31294E-06	0.000335	4.31E-08	4.79E-04	0.000121	4.86E-06	0.000722	4.45E-08
730	490336.72	3860285.12	0.06139	0.06042	0.05152	0.07213	1.12E-04	5.1E-06	0.00027	7.7E-08	0.00039	1.37E-04	6.30043E-06	0.000335	4.31E-08	4.78E-04	0.000121	4.85E-06	0.000721	4.45E-08
731	490386.72	3860285.12	0.06113	0.0603	0.05141	0.07204	1.11E-04	5.1E-06	0.00027	7.7E-08	0.00039	1.37E-04	6.28791E-06	0.000334	4.3E-08	4.77E-04	0.00012	4.84E-06	0.000719	4.44E-08
732	490436.72	3860285.12	0.06078	0.06008	0.05122	0.07182	1.11E-04	5.1E-06	0.00027	7.7E-08	0.00039	1.36E-04	6.26497E-06	0.000333	4.29E-08	4.75E-04	0.00012	4.82E-06	0.000717	4.43E-08
733	490486.72	3860285.12	0.0604	0.05982	0.05099	0.07151	1.10E-04	5.1E-06	0.00027	7.6E-08	0.00039	1.35E-04	6.23786E-06	0.000331	4.27E-08	4.72E-04	0.000119	4.8E-06	0.000713	4.41E-08
734	490536.72	3860285.12	0.05998	0.05948	0.0507	0.07109	1.09E-04	5.1E-06	0.00027	7.6E-08	0.00038	1.34E-04	6.20241E-06	0.000329	4.24E-08	4.70E-04	0.000118	4.77E-06	0.000709	4.38E-08
735	490586.72	3860285.12	0.05957	0.05913	0.0504	0.07061	1.09E-04	5E-06	0.00027	7.5E-08	0.00038	1.33E-04	6.16591E-06	0.000327	4.21E-08	4.67E-04	0.000117	4.74E-06	0.000705	4.35E-08
736	490636.72	3860285.12	0.05919	0.05879	0.05009	0.07008	1.08E-04	5E-06	0.00027	7.5E-08	0.00038	1.32E-04	6.13046E-06	0.000325	4.18E-08	4.64E-04	0.000117	4.72E-06	0.000701	4.32E-08
737	490686.72	3860285.12	0.05883	0.05845	0.04978	0.06952	1.07E-04	5E-06	0.00026	7.4E-08	0.00038	1.31E-04	6.095E-06	0.000323	4.15E-08	4.61E-04	0.000116	4.69E-06	0.000696	4.29E-08
738	490736.72	3860285.12	0.05846	0.05807	0.04942	0.06893	1.07E-04	4.9E-06	0.00026	7.4E-08	0.00037	1.31E-04	6.05538E-06	0.000321	4.11E-08	4.58E-04	0.000115	4.66E-06	0.000691	4.25E-08
739	490786.72	3860285.12	0.05813	0.0577	0.04908	0.06835	1.06E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.30E-04	6.01679E-06	0.000319	4.08E-08	4.55E-04	0.000114	4.63E-06	0.000687	4.21E-08
740	490086.72	3860335.12	0.06017	0.05856	0.05015	0.06909	1.10E-04	5E-06	0.00027	7.4E-08	0.00038	1.34E-04	6.10647E-06	0.000326	4.12E-08	4.66E-04	0.000119	4.7E-06	0.000702	4.26E-08
741	490136.72	3860335.12	0.06027	0.05879	0.05033	0.06942	1.10E-04	5E-06	0.00027	7.4E-08	0.00038	1.35E-04	6.13046E-06	0.000327	4.14E-08	4.68E-04	0.000119	4.72E-06	0.000704	4.28E-08
742	490186.72	3860335.12	0.06026	0.05892	0.05043	0.0697	1.10E-04	5E-06	0.00027	7.4E-08	0.00038	1.35E-04	6.14401E-06	0.000328	4.16E-08	4.68E-04	0.000119	4.73E-06	0.000705	4.3E-08
743	490236.72	3860335.12	0.06026	0.05906	0.05053	0.06997	1.10E-04	5E-06	0.00027	7.5E-08	0.00038	1.35E-04	6.15861E-06	0.000328	4.18E-08	4.69E-04	0.000119	4.74E-06	0.000707	4.31E-08
744	490286.72	3860335.12	0.06012	0.05905	0.05052	0.07014	1.10E-04	5E-06	0.00027	7.5E-08	0.00038	1.34E-04	6.15757E-06	0.000328	4.19E-08	4.69E-04	0.000118	4.74E-06	0.000707	4.32E-08
745	490336.72	3860335.12	0.05992	0.05899	0.05047	0.07024	1.09E-04	5E-06	0.00027	7.5E-08	0.00038	1.34E-04	6.15131E-06	0.000328	4.19E-08	4.68E-04	0.000118	4.73E-06	0.000706	4.33E-08
746	490386.72	3860335.12	0.0597	0.05891	0.05039	0.07025	1.09E-04	5E-06	0.00027	7.5E-08	0.00038	1.33E-04	6.14297E-06	0.000327	4.19E-08	4.67E-04	0.000118	4.73E-06	0.000705	4.33E-08
747	490436.72	3860335.12	0.05942	0.05877	0.05027	0.07016	1.08E-04	5E-06	0.00027	7.5E-08	0.00038	1.33E-04	6.12837E-06	0.000327	4.19E-08	4.65E-04	0.000117	4.71E-06	0.000703	4.33E-08
748	490486.72	3860335.12	0.0591	0.05856	0.05009	0.06996	1.08E-04	5E-06	0.00027	7.5E-08	0.00038	1.32E-04	6.10647E-06	0.000325	4.18E-08	4.64E-04	0.000116	4.7E-06	0.000701	4.31E-08
749	490536.72	3860335.12	0.05877	0.05835	0.0499	0.06969	1.07E-04	5E-06	0.00027	7.4E-08	0.00038	1.31E-04	6.08457E-06	0.000324	4.16E-08	4.62E-04	0.000116	4.68E-06	0.000698	4.3E-08
750	490586.72	3860335.12	0.05837	0.05803	0.04962	0.06929	1.06E-04	4.9E-06	0.00026	7.4E-08	0.00038	1.30E-04	6.0512E-06	0.000322	4.14E-08	4.59E-04	0.000115	4.66E-06	0.000694	4.27E-08
751	490636.72	3860335.12	0.05799	0.05771	0.04934	0.06884	1.06E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.30E-04	6.01784E-06	0.00032	4.11E-08	4.56E-04	0.000114	4.63E-06	0.00069	4.24E-08
752	490686.72	3860335.12	0.05762	0.05738	0.04904	0.06833	1.05E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.29E-04	5.98342E-06	0.000319	4.08E-08	4.53E-04	0.000113	4.6E-06	0.000686	4.21E-08
753	490736.72	3860335.12	0.05725	0.05704	0.04872	0.06779	1.04E-04	4.9E-06	0.00026	7.2E-08	0.00037	1.28E-04	5.94797E-06	0.000316	4.05E-08	4.50E-04	0.000113	4.58E-06	0.000682	4.18E-08
754	490786.72	3860335.12	0.05696	0.05674	0.04844	0.06725	1.04E-04	4.8E-06	0.00026	7.2E-08	0.00037	1.27E-04	5.91669E-06	0.000315	4.01E-08	4.48E-04	0.000112	4.55E-06	0.000678	4.15E-08
755	490086.72	3860385.12	0.05848	0.05696	0.04892	0.067	1.07E-04	4.8E-06	0.00026	7.1E-08	0.00037	1.31E-04	5.93963E-06	0.000318	4E-08	4.54E-04	0.000115	4.57E-06	0.000684	4.13E-08
756	490136.72	3860385.12	0.05861	0.05721	0.04913	0.06733	1.07E-04	4.9E-06	0.00026	7.2E-08	0.00037	1.31E-04	5.9657E-06	0.000319	4.02E-08	4.56E-04	0.000115	4.59E-06	0.000687	4.15E-08
757	490186.72	3860385.12	0.0586	0.05732	0.04922	0.06761	1.07E-04	4.9E-06	0.00026	7.2E-08	0.00037	1.31E-04	5.97717E-06	0.00032	4.04E-08	4.57E-04	0.000115	4.6E-06	0.000689	4.17E-08
758	490236.72	3860385.12	0.05863	0.05747	0.04934	0.0679	1.07E-04	4.9E-06	0.00026	7.2E-08	0.00037	1.31E-04	5.99281E-06	0.00032	4.05E-08	4.57E-04	0.000115	4.61E-06	0.00069	4.19E-08
759	490286.72	3860385.12	0.05856	0.05753	0.04938	0.06814	1.07E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.31E-04	5.99907E-06	0.000321	4.07E-08	4.58E-04	0.000115	4.61E-06	0.000691	4.2E-08
760	490336.72	3860385.12	0.05845	0.05755	0.04939	0.06831	1.07E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.31E-04	6.00115E-06	0.000321	4.08E-08	4.57E-04	0.000115	4.62E-06	0.000691	4.21E-08
761	490386.72	3860385.12	0.05828	0.05751	0.04935	0.06842	1.06E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.30E-04	5.99698E-06	0.000321	4.08E-08	4.57E-04	0.000115	4.61E-06	0.00069	4.22E-08
762	490436.72	3860385.12	0.05807	0.05744	0.04928	0.06843	1.06E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.30E-04	5.98968E-06	0.00032	4.08E-08	4.56E-04	0.000114	4.61E-06	0.000689	4.22E-08
763	490486.72	3860385.12	0.05783	0.05733	0.04919	0.06837	1.05E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.29E-04	5.97821E-06	0.00032	4.08E-08	4.55E-04	0.000114	4.6E-06	0.000688	4.22E-08
764	490536.72	3860385.12	0.05754	0.05716	0.04903	0.0682	1.05E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.29E-04	5.96048E-06	0.000318	4.07E-08	4.53E-04	0.000113	4.59E-06	0.000686	4.21E-08
765	490586.72	3860385.12	0.05721	0.05693	0.04883	0.06793	1.04E-04	4.8E-06	0.00026	7.2E-08	0.00037	1.28E-04	5.9365E-06	0.000317	4.05E-08	4.51E-04	0.000113	4.57E-06	0.000683	4.19E-08
766	490636.72	3860385.12	0.05684	0.05664	0.04858	0.06756	1.04E-04	4.8E-06	0.00026	7.2E-08	0.00037	1.27E-04	5.90626E-06	0.000316	4.03E-08	4.48E-04	0.000112	4.54E-06	0.00068	4.17E-08
767	490686.72	3860385.12	0.0565	0.05637	0.04833	0.06715	1.03E-04	4.8E-06	0.00026	7.2E-08	0.00036	1.26E-04	5.8781E-06	0.000314	4.01E-08	4.46E-04	0.000111	4.52E-06	0.000676	4.14E-08
768	490736.72	3860385.12	0.05611	0.05601	0.04802	0.06665	1.02E-04	4.8E-06	0.00026	7.1E-08	0.00036	1.25E-04	5.84056E-06	0.000312	3.98E-08	4.43E-04	0.000111	4.49E-06	0.000672	4.11E-08
769	490786.72	3860385.12	0.05576	0.05568	0.04771	0.06612	1.02E-04	4.7E-06	0.00025	7.1E-08	0.00036	1.25E-04	5.80615E-06	0.00031	3.95E-08	4.40E-04	0.00011	4.47E-06	0.000667	4.08E-08
770	490136.72	3860435.12	0.05694	0.0556	0.04788	0.0653	1.04E-04	4.7E-06	0.00025	7E-08	0.00036	1.27E-04	5.79781E-06	0.000311	3.9E-08	4.44E-04	0.000112	4.46E-06	0.00067	4.03E-08
771	490186.72	3860435.12	0.05703	0.0558	0.04805	0.0656	1.04E-04	4.7E-06	0.00026	7E-08	0.00036	1.27E-04	5.81867E-06	0.000312	3.92E-08	4.45E-04	0.000112	4.48E-06	0.000672	4.04E-08
772	490236.72	3860435.12	0.05705	0.05594	0.04817	0.06589	1.04E-04	4.8E-06	0.00026	7E-08	0.00036	1.27E-04	5.83327E-06	0.000313	3.93E-08	4.46E-04	0.000112	4.49E-06	0.000674	4.06E-08
773	490286.72	3860435.12	0.05704	0.05604	0.04825	0.06615	1.04E-04	4.8E-06	0.00026	7.1E-08	0.00037	1.27E-04	5.84369E-06	0.000313	3.95E-08	4.47E-04	0.000112	4.5E-06	0.000675	4.08E-08
774	490336.72	3860435.12	0.05695	0.05607	0.04828	0.06637	1.04E-04	4.8E-06	0.00026	7.1E-08	0.00037	1.27E-04	5.84682E-06	0.000314	3.96E-08	4.47E-04	0.000112	4.5E-06	0.000675	4.09E-08
775	490386.72	3860435.12	0.05685	0.05611	0.0483	0.06656	1.04E-04	4.8E-06	0.00026	7.1E-08	0.00037	1.27E-04	5.85099E-06	0.000314	3.97E-08	4.47E-04	0.000112	4.5E-06	0.000676	4.1E-08
776	490436.72	3860435.12	0.05671	0.05609	0.04828	0.06667	1.03E-04	4.8E-06	0.00026	7.1E-08	0.00036	1.27E-04	5.84891E-06	0.000314	3.98E-08	4.46E-04	0.000112	4.5E-06	0.000675	4.11E-08
777	490486.72	3860435.12	0.05652	0.05603	0.04821	0.0667	1.03E-04	4.8E-06	0.00026	7.1E-08	0.00036	1.26E-04	5.84265E-06	0.000313	3.98E-08	4.45E-04	0.000111	4.49E-06	0.000674	4.11E-08
778	490536.72	3860435.12	0.0563	0.05593	0.04813	0.06664	1.03E-04	4.8E-06	0.00026	7.1E-08	0.00036	1.26E-04	5.83222E-06	0.000313	3.98E-08	4.44E-04	0.000111	4.49E-06	0.000673	4.11E-08
779	490586.72	3860435.12	0.05602	0.05576	0.04797	0.06648	1.02E-04	4.7E-06	0.00025	7.1E-08	0.00036	1.25E-04	5.8145E-06	0.000312	3.97E-08	4.43E-04	0.00011	4.47E-06	0.000671	4.1E-08
780	490636.72	3860435.12	0.05569	0.05553	0.04777	0.06622	1.02E-04	4.7E-06	0.00025	7.1E-08	0.00036	1.24E-04	5.79051E-06	0.00031	3.95E-08	4.41E-04	0.00011	4.45E-06	0.000668	4.08E-08
781	490686.72	3860435.12	0.05537	0.05529	0.04756	0.0659	1.01E-04	4.7E-06	0.00025	7E-08	0.00036	1.24E-04	5.76548E-06	0.000309	3.93E-08	4.38E-04	0.000109	4.44E-06	0.000665	4.06E-08
782	490736.72	3860435.12	0.05506	0.05505	0.04734	0.06551	1.00E-04	4.7E-06	0.00025	7E-08	0.00036	1.23E-04	5.74046E-06	0.000307	3.91E-08	4.36E-04	0.000108	4.42E-06	0.000662	4.04E-08
783	490786.72	3860435.12	0.05469	0.05472	0.04704	0.06504	9.97E-05	4.7E-06	0.00025	6.9E-08	0.00035	1.22E-04	5.70605E-06	0.000306	3.88E-08	4.33E-04	0.000108	4.39E-06	0.000658	4.01E-08
784	490136.72	3860485.12	0.05544	0.05417	0.04677	0.06341	1.01E-04	4.6E-06	0.00025	6.8E-08	0.00035	1.24E-04	5.64869E-06	0.000304	3.78E-08	4.33E-04	0.000109	4.35E-06	0.000654	3.91E-08
785	490186.72	3860485.12	0.0555	0.05433	0.04691	0.06368	1.01E-04	4.6E-06	0.00025	6.8E-08	0.00036	1.24E-04	5.66538E-06	0.000305	3.8E-08	4.34E-04	0.000109	4.36E-06	0.000656	3.93E-08
786	490236.72	3860485.12	0.05551	0.05444	0.04701	0.06394	1.01E-04	4.6E-06	0.00025	6.8E-08	0.00036	1.24E-04	5.67685E-06	0.000305	3.82E-08	4.35E-04	0.000109	4.37E-06	0.000658	3.94E-08
787	490286.72	3860485.12	0.05555	0.05459	0.04714	0.06423	1.01E-04	4.6E-06	0.00025	6.9E-08	0.00036	1.24E-04	5.69249E-06	0.000306	3.83E-08	4.36E-04	0.000109	4.38E-06	0.000659	3.96E-08
788	490336.72	3860485.12	0.05551	0.05466	0.04719	0.06447	1.01E-04	4.7E-06	0.00025	6.9E-08	0.00036	1.24E-04	5.69979E-06	0.000307	3.85E-08	4.36E-04	0.000109	4.38E-06	0.00066	3.98E-08
789	490386.72	3860485.12	0.05547	0.05474	0.04726	0.06471	1.01E-04	4.7E-06	0.00025	6.9E-08	0.00036	1.24E-04	5.70813E-06	0.000307	3.86E-08	4.37E-04	0.000109	4.39E-06	0.000661	3.99E-08

790	490436.72	3860485.12	0.05543	0.05482	0.04732	0.06492	1.01E-04	4.7E-06	0.00025	6.9E-08	0.00036	1.24E-04	5.71647E-06	0.000307	3.87E-08	4.37E-04	0.000109	4.4E-06	0.000662	4E-08
791	490486.72	3860485.12	0.05526	0.05478	0.04728	0.06502	1.01E-04	4.7E-06	0.00025	6.9E-08	0.00036	1.23E-04	5.7123E-06	0.000307	3.88E-08	4.36E-04	0.000109	4.39E-06	0.000661	4.01E-08
792	490536.72	3860485.12	0.05505	0.05468	0.04719	0.06503	1.00E-04	4.7E-06	0.00025	6.9E-08	0.00036	1.23E-04	5.70188E-06	0.000307	3.88E-08	4.35E-04	0.000108	4.39E-06	0.00066	4.01E-08
793	490586.72	3860485.12	0.05481	0.05455	0.04708	0.06497	9.99E-05	4.6E-06	0.00025	6.9E-08	0.00035	1.22E-04	5.68832E-06	0.000306	3.88E-08	4.34E-04	0.000108	4.38E-06	0.000659	4.01E-08
794	490636.72	3860485.12	0.05457	0.05442	0.04696	0.06484	9.95E-05	4.6E-06	0.00025	6.9E-08	0.00035	1.22E-04	5.67476E-06	0.000305	3.87E-08	4.33E-04	0.000107	4.37E-06	0.000657	4E-08
795	490686.72	3860485.12	0.05426	0.0542	0.04676	0.06459	9.89E-05	4.6E-06	0.00025	6.9E-08	0.00035	1.21E-04	5.65182E-06	0.000304	3.86E-08	4.31E-04	0.000107	4.35E-06	0.000654	3.98E-08
796	490736.72	3860485.12	0.05397	0.05399	0.04657	0.0643	9.84E-05	4.6E-06	0.00025	6.9E-08	0.00035	1.21E-04	5.62992E-06	0.000302	3.84E-08	4.29E-04	0.000106	4.33E-06	0.000651	3.96E-08
797	490786.72	3860485.12	0.05365	0.05374	0.04634	0.06392	9.78E-05	4.6E-06	0.00025	6.8E-08	0.00035	1.20E-04	5.60386E-06	0.000301	3.82E-08	4.26E-04	0.000106	4.31E-06	0.000648	3.94E-08
798	490136.72	3860535.12	0.05396	0.05276	0.04567	0.06162	9.84E-05	4.5E-06	0.00024	6.6E-08	0.00035	1.21E-04	5.50166E-06	0.000297	3.68E-08	4.23E-04	0.000106	4.23E-06	0.000639	3.8E-08
799	490186.72	3860535.12	0.05415	0.05305	0.0459	0.0619	9.87E-05	4.5E-06	0.00024	6.6E-08	0.00035	1.21E-04	5.5319E-06	0.000298	3.69E-08	4.25E-04	0.000107	4.26E-06	0.000642	3.82E-08
800	490236.72	3860535.12	0.05407	0.05304	0.04592	0.06209	9.86E-05	4.5E-06	0.00024	6.6E-08	0.00035	1.21E-04	5.53086E-06	0.000298	3.71E-08	4.25E-04	0.000106	4.25E-06	0.000642	3.83E-08
801	490286.72	3860535.12	0.05407	0.05314	0.04601	0.06234	9.86E-05	4.5E-06	0.00024	6.7E-08	0.00035	1.21E-04	5.54129E-06	0.000299	3.72E-08	4.25E-04	0.000106	4.26E-06	0.000644	3.84E-08
802	490336.72	3860535.12	0.0541	0.05327	0.04612	0.06262	9.86E-05	4.5E-06	0.00025	6.7E-08	0.00035	1.21E-04	5.55485E-06	0.0003	3.74E-08	4.26E-04	0.000107	4.27E-06	0.000645	3.86E-08
803	490386.72	3860535.12	0.05413	0.05342	0.04624	0.0629	9.87E-05	4.5E-06	0.00025	6.7E-08	0.00035	1.21E-04	5.57049E-06	0.0003	3.75E-08	4.27E-04	0.000107	4.29E-06	0.000647	3.88E-08
804	490436.72	3860535.12	0.05412	0.05353	0.04632	0.06315	9.87E-05	4.6E-06	0.00025	6.7E-08	0.00035	1.21E-04	5.58196E-06	0.000301	3.77E-08	4.27E-04	0.000107	4.29E-06	0.000648	3.89E-08
805	490486.72	3860535.12	0.05405	0.05357	0.04636	0.06333	9.85E-05	4.6E-06	0.00025	6.8E-08	0.00035	1.21E-04	5.58613E-06	0.000301	3.78E-08	4.27E-04	0.000106	4.3E-06	0.000649	3.9E-08
806	490536.72	3860535.12	0.05406	0.05372	0.04646	0.06353	9.85E-05	4.6E-06	0.00025	6.8E-08	0.00035	1.21E-04	5.60177E-06	0.000302	3.79E-08	4.28E-04	0.000106	4.31E-06	0.00065	3.92E-08
807	490586.72	3860535.12	0.05368	0.05342	0.04623	0.06345	9.78E-05	4.5E-06	0.00025	6.8E-08	0.00035	1.20E-04	5.57049E-06	0.0003	3.79E-08	4.26E-04	0.000106	4.29E-06	0.000647	3.91E-08
808	490636.72	3860535.12	0.05344	0.05329	0.04611	0.06339	9.74E-05	4.5E-06	0.00024	6.8E-08	0.00035	1.19E-04	5.55693E-06	0.000299	3.78E-08	4.24E-04	0.000105	4.27E-06	0.000645	3.91E-08
809	490686.72	3860535.12	0.0532	0.05315	0.04599	0.06327	9.70E-05	4.5E-06	0.00024	6.7E-08	0.00035	1.19E-04	5.54233E-06	0.000299	3.78E-08	4.23E-04	0.000105	4.26E-06	0.000643	3.9E-08
810	490736.72	3860535.12	0.05291	0.05295	0.04581	0.06304	9.64E-05	4.5E-06	0.00024	6.7E-08	0.00034	1.18E-04	5.52148E-06	0.000298	3.76E-08	4.21E-04	0.000104	4.25E-06	0.000641	3.89E-08
811	490786.72	3860535.12	0.05263	0.05275	0.04563	0.06276	9.59E-05	4.5E-06	0.00024	6.7E-08	0.00034	1.18E-04	5.50062E-06	0.000296	3.75E-08	4.19E-04	0.000104	4.23E-06	0.000638	3.87E-08
812	490136.72	3860585.12	0.05266	0.05154	0.0447	0.05998	9.60E-05	4.4E-06	0.00024	6.4E-08	0.00034	1.18E-04	5.37445E-06	0.00029	3.58E-08	4.13E-04	0.000104	4.13E-06	0.000625	3.7E-08
813	490186.72	3860585.12	0.05243	0.05135	0.04457	0.06002	9.56E-05	4.4E-06	0.00024	6.4E-08	0.00034	1.17E-04	5.35463E-06	0.000289	3.58E-08	4.12E-04	0.000103	4.12E-06	0.000623	3.7E-08
814	490236.72	3860585.12	0.05258	0.05159	0.04477	0.06029	9.58E-05	4.4E-06	0.00024	6.4E-08	0.00034	1.17E-04	5.37966E-06	0.000291	3.6E-08	4.14E-04	0.000104	4.14E-06	0.000626	3.72E-08
815	490286.72	3860585.12	0.05268	0.05178	0.04494	0.06056	9.60E-05	4.4E-06	0.00024	6.5E-08	0.00034	1.18E-04	5.39947E-06	0.000292	3.61E-08	4.15E-04	0.000104	4.15E-06	0.000629	3.73E-08
816	490336.72	3860585.12	0.05271	0.05191	0.04505	0.06082	9.61E-05	4.4E-06	0.00024	6.5E-08	0.00034	1.18E-04	5.41303E-06	0.000293	3.63E-08	4.16E-04	0.000104	4.16E-06	0.00063	3.75E-08
817	490386.72	3860585.12	0.05272	0.05202	0.04515	0.06108	9.61E-05	4.4E-06	0.00024	6.5E-08	0.00034	1.18E-04	5.4245E-06	0.000293	3.65E-08	4.16E-04	0.000104	4.17E-06	0.000632	3.77E-08
818	490436.72	3860585.12	0.05289	0.05231	0.04538	0.06143	9.64E-05	4.5E-06	0.00024	6.6E-08	0.00034	1.18E-04	5.45474E-06	0.000295	3.67E-08	4.18E-04	0.000104	4.2E-06	0.000635	3.79E-08
819	490486.72	3860585.12	0.053	0.05254	0.04556	0.06173	9.66E-05	4.5E-06	0.00024	6.6E-08	0.00034	1.18E-04	5.47872E-06	0.000296	3.68E-08	4.20E-04	0.000104	4.21E-06	0.000637	3.81E-08
820	490536.72	3860585.12	0.05285	0.0525	0.04553	0.06188	9.63E-05	4.5E-06	0.00024	6.6E-08	0.00034	1.18E-04	5.47455E-06	0.000296	3.69E-08	4.19E-04	0.000104	4.21E-06	0.000637	3.82E-08
821	490586.72	3860585.12	0.05246	0.05218	0.04528	0.06184	9.56E-05	4.4E-06	0.00024	6.6E-08	0.00034	1.17E-04	5.44118E-06	0.000294	3.69E-08	4.17E-04	0.000103	4.19E-06	0.000633	3.81E-08
822	490636.72	3860585.12	0.05231	0.05214	0.04524	0.06189	9.54E-05	4.4E-06	0.00024	6.6E-08	0.00034	1.17E-04	5.43701E-06	0.000294	3.69E-08	4.16E-04	0.000103	4.18E-06	0.000633	3.82E-08
823	490686.72	3860585.12	0.05211	0.05204	0.04516	0.06186	9.50E-05	4.4E-06	0.00024	6.6E-08	0.00034	1.16E-04	5.42658E-06	0.000293	3.69E-08	4.15E-04	0.000103	4.17E-06	0.000632	3.81E-08
824	490736.72	3860585.12	0.05188	0.05191	0.04504	0.06174	9.46E-05	4.4E-06	0.00024	6.6E-08	0.00034	1.16E-04	5.41303E-06	0.000293	3.68E-08	4.14E-04	0.000102	4.16E-06	0.00063	3.81E-08
825	490786.72	3860585.12	0.0516	0.05172	0.04487	0.06153	9.41E-05	4.4E-06	0.00024	6.6E-08	0.00034	1.15E-04	5.39322E-06	0.000291	3.67E-08	4.12E-04	0.000102	4.15E-06	0.000628	3.79E-08
826	490136.72	3860635.12	0.05152	0.05048	0.04386	0.05847	9.39E-05	4.3E-06	0.00023	6.2E-08	0.00033	1.15E-04	5.26391E-06	0.000285	3.49E-08	4.05E-04	0.000101	4.05E-06	0.000614	3.61E-08
827	490186.72	3860635.12	0.05138	0.05038	0.0438	0.05854	9.37E-05	4.3E-06	0.00023	6.2E-08	0.00033	1.15E-04	5.25348E-06	0.000284	3.49E-08	4.05E-04	0.000101	4.04E-06	0.000613	3.61E-08
828	490236.72	3860635.12	0.05125	0.05029	0.04375	0.05863	9.34E-05	4.3E-06	0.00023	6.3E-08	0.00033	1.14E-04	5.2441E-06	0.000284	3.5E-08	4.04E-04	0.000101	4.03E-06	0.000612	3.61E-08
829	490286.72	3860635.12	0.05128	0.0504	0.04385	0.05883	9.35E-05	4.3E-06	0.00023	6.3E-08	0.00033	1.15E-04	5.25557E-06	0.000285	3.51E-08	4.05E-04	0.000101	4.04E-06	0.000613	3.63E-08
830	490336.72	3860635.12	0.05136	0.05057	0.044	0.05909	9.36E-05	4.3E-06	0.00023	6.3E-08	0.00033	1.15E-04	5.2733E-06	0.000286	3.53E-08	4.06E-04	0.000101	4.06E-06	0.000616	3.64E-08
831	490386.72	3860635.12	0.05141	0.05072	0.04413	0.05936	9.37E-05	4.3E-06	0.00023	6.3E-08	0.00033	1.15E-04	5.28894E-06	0.000287	3.54E-08	4.07E-04	0.000101	4.07E-06	0.000617	3.66E-08
832	490436.72	3860635.12	0.05142	0.05082	0.04422	0.05961	9.37E-05	4.3E-06	0.00023	6.4E-08	0.00033	1.15E-04	5.29937E-06	0.000287	3.56E-08	4.07E-04	0.000101	4.08E-06	0.000619	3.68E-08
833	490486.72	3860635.12	0.05143	0.05094	0.04432	0.05987	9.37E-05	4.3E-06	0.00024	6.4E-08	0.00033	1.15E-04	5.31188E-06	0.000288	3.57E-08	4.08E-04	0.000101	4.09E-06	0.00062	3.69E-08
834	490536.72	3860635.12	0.05148	0.0511	0.04445	0.06014	9.38E-05	4.3E-06	0.00024	6.4E-08	0.00033	1.15E-04	5.32856E-06	0.000289	3.59E-08	4.09E-04	0.000101	4.1E-06	0.000622	3.71E-08
835	490586.72	3860635.12	0.05131	0.05103	0.04439	0.06026	9.35E-05	4.3E-06	0.00024	6.4E-08	0.00033	1.15E-04	5.32126E-06	0.000288	3.6E-08	4.08E-04	0.000101	4.09E-06	0.000621	3.72E-08
836	490636.72	3860635.12	0.05122	0.05104	0.0444	0.06039	9.34E-05	4.3E-06	0.00024	6.4E-08	0.00033	1.14E-04	5.32231E-06	0.000288	3.6E-08	4.08E-04	0.000101	4.09E-06	0.000621	3.72E-08
837	490686.72	3860635.12	0.05105	0.05098	0.04434	0.06044	9.31E-05	4.3E-06	0.00024	6.4E-08	0.00033	1.14E-04	5.31605E-06	0.000288	3.61E-08	4.07E-04	0.000101	4.09E-06	0.00062	3.73E-08
838	490736.72	3860635.12	0.05082	0.05084	0.04422	0.06038	9.26E-05	4.3E-06	0.00023	6.4E-08	0.00033	1.14E-04	5.30145E-06	0.000287	3.6E-08	4.06E-04	0.0001	4.08E-06	0.000619	3.72E-08
839	490786.72	3860635.12	0.0506	0.05072	0.04411	0.06028	9.22E-05	4.3E-06	0.00023	6.4E-08	0.00033	1.13E-04	5.28894E-06	0.000287	3.6E-08	4.05E-04	9.97E-05	4.07E-06	0.000617	3.72E-08
840	490136.72	3860685.12	0.05013	0.04912	0.0428	0.05692	9.14E-05	4.2E-06	0.00023	6.1E-08	0.00032	1.12E-04	5.12209E-06	0.000278	3.4E-08	3.95E-04	9.87E-05	3.94E-06	0.000599	3.51E-08
841	490186.72	3860685.12	0.05042	0.04951	0.0431	0.05716	9.19E-05	4.2E-06	0.00023	6.1E-08	0.00033	1.13E-04	5.16276E-06	0.00028	3.41E-08	3.98E-04	9.93E-05	3.97E-06	0.000603	3.52E-08
842	490236.72	3860685.12	0.0502	0.04931	0.04296	0.05719	9.15E-05	4.2E-06	0.00023	6.1E-08	0.00032	1.12E-04	5.14191E-06	0.000279	3.41E-08	3.96E-04	9.89E-05	3.96E-06	0.000601	3.53E-08
843	490286.72	3860685.12	0.04992	0.04907	0.04279	0.05719	9.10E-05	4.2E-06	0.00023	6.1E-08	0.00032	1.12E-04	5.11688E-06	0.000278	3.41E-08	3.95E-04	9.83E-05	3.94E-06	0.000599	3.53E-08
844	490336.72	3860685.12	0.05007	0.0493	0.04299	0.05746	9.13E-05	4.2E-06	0.00023	6.1E-08	0.00032	1.12E-04	5.14086E-06	0.000279	3.43E-08	3.96E-04	9.86E-05	3.95E-06	0.000601	3.54E-08
845	490386.72	3860685.12	0.05013	0.04945	0.04312	0.0577	9.14E-05	4.2E-06	0.00023	6.2E-08	0.00032	1.12E-04	5.15651E-06	0.00028	3.44E-08	3.97E-04	9.87E-05	3.97E-06	0.000603	3.56E-08
846	490436.72	3860685.12	0.05011	0.04952	0.04319	0.05792	9.13E-05	4.2E-06	0.00023	6.2E-08	0.00033	1.12E-04	5.16381E-06	0.000281	3.46E-08	3.98E-04	9.87E-05	3.97E-06	0.000604	3.57E-08
847	490486.72	3860685.12	0.05008	0.04957	0.04325	0.05814	9.13E-05	4.2E-06	0.00023	6.2E-08	0.00033	1.12E-04	5.16902E-06	0.000281	3.47E-08	3.98E-04	9.86E-05	3.98E-06	0.000605	3.58E-08
848	490536.72	3860685.12	0.05011	0.0497	0.04335	0.0584	9.13E-05	4.2E-06	0.00023	6.2E-08	0.00033	1.12E-04	5.18258E-06	0.000282	3.49E-08	3.99E-04	9.87E-05	3.99E-06	0.000606	3.6E-08
849	490586.72	3860685.12	0.05009	0.04979	0.04342	0.05863	9.13E-05	4.2E-06	0.00023	6.3E-08	0.00033	1.12E-04	5.19196E-06	0.000282	3.5E-08	3.99E-04	9.87E-05	3.99E-06	0.000607	3.61E-08
850	490636.72	3860685.12	0.05007	0.04987	0.04349	0.05884	9.13E-05	4.2E-06	0.00023	6.3E-08	0.00033	1.12E-04	5.2003E-06	0.000282	3.51E-08	4.00E-04	9.86E-05	4E-06	0.000608	3.63E-08

851	490686.72	3860685.12	0.05001	0.04992	0.04352	0.05899	9.12E-05	4.2E-06	0.00023	6.3E-08	0.00033	1.12E-04	5.20552E-06	0.000283	3.52E-08	4.00E-04	9.85E-05	4E-06	0.000609	3.64E-08
852	490736.72	3860685.12	0.04984	0.04984	0.04346	0.05902	9.08E-05	4.2E-06	0.00023	6.3E-08	0.00033	1.11E-04	5.19717E-06	0.000282	3.52E-08	3.99E-04	9.82E-05	4E-06	0.000608	3.64E-08
853	490786.72	3860685.12	0.04974	0.04984	0.04344	0.05905	9.07E-05	4.2E-06	0.00023	6.3E-08	0.00033	1.11E-04	5.19717E-06	0.000282	3.52E-08	3.98E-04	9.8E-05	4E-06	0.000608	3.64E-08
854	490136.72	3860735.12	0.04856	0.04756	0.04159	0.05532	8.85E-05	4E-06	0.00022	5.9E-08	0.00031	1.08E-04	4.95942E-06	0.00027	3.3E-08	3.84E-04	9.56E-05	3.82E-06	0.000582	3.41E-08
855	490186.72	3860735.12	0.04855	0.04761	0.04162	0.05538	8.85E-05	4.1E-06	0.00022	5.9E-08	0.00031	1.08E-04	4.96464E-06	0.00027	3.31E-08	3.84E-04	9.56E-05	3.82E-06	0.000582	3.41E-08
856	490236.72	3860735.12	0.0486	0.04771	0.0417	0.05551	8.86E-05	4.1E-06	0.00022	5.9E-08	0.00031	1.09E-04	4.97506E-06	0.000271	3.31E-08	3.84E-04	9.57E-05	3.83E-06	0.000583	3.42E-08
857	490286.72	3860735.12	0.04867	0.04786	0.04182	0.05567	8.87E-05	4.1E-06	0.00022	5.9E-08	0.00032	1.09E-04	4.99071E-06	0.000272	3.32E-08	3.85E-04	9.59E-05	3.84E-06	0.000585	3.43E-08
858	490336.72	3860735.12	0.04874	0.04799	0.04194	0.05586	8.88E-05	4.1E-06	0.00022	6E-08	0.00032	1.09E-04	5.00426E-06	0.000272	3.33E-08	3.86E-04	9.6E-05	3.85E-06	0.000587	3.44E-08
859	490386.72	3860735.12	0.04885	0.04818	0.04211	0.0561	8.90E-05	4.1E-06	0.00022	6E-08	0.00032	1.09E-04	5.02407E-06	0.000274	3.35E-08	3.88E-04	9.62E-05	3.86E-06	0.000589	3.46E-08
860	490436.72	3860735.12	0.04906	0.04848	0.04236	0.05642	8.94E-05	4.1E-06	0.00023	6E-08	0.00032	1.10E-04	5.05536E-06	0.000275	3.37E-08	3.90E-04	9.66E-05	3.89E-06	0.000593	3.48E-08
861	490486.72	3860735.12	0.049	0.0485	0.04239	0.05661	8.93E-05	4.1E-06	0.00023	6E-08	0.00032	1.09E-04	5.05744E-06	0.000275	3.38E-08	3.90E-04	9.65E-05	3.89E-06	0.000593	3.49E-08
862	490536.72	3860735.12	0.04886	0.04843	0.04235	0.05676	8.91E-05	4.1E-06	0.00023	6.1E-08	0.00032	1.09E-04	5.05014E-06	0.000275	3.39E-08	3.89E-04	9.62E-05	3.88E-06	0.000592	3.5E-08
863	490586.72	3860735.12	0.04884	0.0485	0.04242	0.05699	8.90E-05	4.1E-06	0.00023	6.1E-08	0.00032	1.09E-04	5.05744E-06	0.000276	3.4E-08	3.90E-04	9.62E-05	3.89E-06	0.000593	3.51E-08
864	490636.72	3860735.12	0.04882	0.04859	0.04249	0.05721	8.90E-05	4.1E-06	0.00023	6.1E-08	0.00032	1.09E-04	5.06683E-06	0.000276	3.41E-08	3.90E-04	9.61E-05	3.9E-06	0.000594	3.53E-08
865	490686.72	3860735.12	0.04885	0.04873	0.04259	0.05745	8.90E-05	4.1E-06	0.00023	6.1E-08	0.00032	1.09E-04	5.08143E-06	0.000277	3.43E-08	3.91E-04	9.62E-05	3.91E-06	0.000596	3.54E-08
866	490736.72	3860735.12	0.04884	0.04882	0.04266	0.05762	8.90E-05	4.2E-06	0.00023	6.1E-08	0.00032	1.09E-04	5.09081E-06	0.000277	3.44E-08	3.91E-04	9.62E-05	3.92E-06	0.000597	3.55E-08
867	490136.72	3860785.12	0.04718	0.04621	0.04055	0.05384	8.60E-05	3.9E-06	0.00022	5.7E-08	0.00031	1.05E-04	4.81865E-06	0.000263	3.21E-08	3.74E-04	9.29E-05	3.71E-06	0.000567	3.32E-08
868	490186.72	3860785.12	0.04725	0.04634	0.04062	0.05394	8.61E-05	3.9E-06	0.00022	5.8E-08	0.00031	1.06E-04	4.8322E-06	0.000264	3.22E-08	3.74E-04	9.31E-05	3.72E-06	0.000568	3.33E-08
869	490236.72	3860785.12	0.0473	0.04645	0.0407	0.05404	8.62E-05	4E-06	0.00022	5.8E-08	0.00031	1.06E-04	4.84367E-06	0.000264	3.23E-08	3.75E-04	9.32E-05	3.73E-06	0.000569	3.33E-08
870	490286.72	3860785.12	0.04737	0.04658	0.04081	0.05417	8.63E-05	4E-06	0.00022	5.8E-08	0.00031	1.06E-04	4.85723E-06	0.000265	3.23E-08	3.76E-04	9.33E-05	3.74E-06	0.000571	3.34E-08
871	490336.72	3860785.12	0.04743	0.0467	0.04091	0.05432	8.65E-05	4E-06	0.00022	5.8E-08	0.00031	1.06E-04	4.86974E-06	0.000266	3.24E-08	3.77E-04	9.34E-05	3.75E-06	0.000572	3.35E-08
872	490386.72	3860785.12	0.0476	0.04694	0.04112	0.05457	8.68E-05	4E-06	0.00022	5.8E-08	0.00031	1.06E-04	4.89477E-06	0.000267	3.26E-08	3.78E-04	9.37E-05	3.77E-06	0.000575	3.36E-08
873	490436.72	3860785.12	0.04766	0.04707	0.04123	0.05477	8.69E-05	4E-06	0.00022	5.8E-08	0.00031	1.06E-04	4.90833E-06	0.000268	3.27E-08	3.79E-04	9.39E-05	3.78E-06	0.000577	3.38E-08
874	490486.72	3860785.12	0.0478	0.0473	0.04143	0.05505	8.71E-05	4E-06	0.00022	5.9E-08	0.00031	1.07E-04	4.93231E-06	0.000269	3.29E-08	3.81E-04	9.41E-05	3.79E-06	0.00058	3.39E-08
875	490536.72	3860785.12	0.04776	0.04733	0.04147	0.05525	8.71E-05	4E-06	0.00022	5.9E-08	0.00031	1.07E-04	4.93544E-06	0.000269	3.3E-08	3.81E-04	9.41E-05	3.8E-06	0.00058	3.41E-08
876	490586.72	3860785.12	0.04764	0.04728	0.04145	0.0554	8.68E-05	4E-06	0.00022	5.9E-08	0.00031	1.06E-04	4.93022E-06	0.000269	3.31E-08	3.81E-04	9.38E-05	3.79E-06	0.00058	3.42E-08
877	490636.72	3860785.12	0.04762	0.04736	0.04151	0.05562	8.68E-05	4E-06	0.00022	5.9E-08	0.00031	1.06E-04	4.93857E-06	0.00027	3.32E-08	3.81E-04	9.38E-05	3.8E-06	0.000581	3.43E-08
878	490686.72	3860785.12	0.04764	0.04747	0.04161	0.05586	8.68E-05	4E-06	0.00022	6E-08	0.00031	1.06E-04	4.95004E-06	0.00027	3.33E-08	3.82E-04	9.38E-05	3.81E-06	0.000582	3.44E-08
879	490736.72	3860785.12	0.04769	0.04762	0.04173	0.05611	8.69E-05	4.1E-06	0.00022	6E-08	0.00031	1.07E-04	4.96568E-06	0.000271	3.35E-08	3.83E-04	9.39E-05	3.82E-06	0.000584	3.46E-08
880	490086.72	3860835.12	0.04592	0.04492	0.03961	0.05243	8.37E-05	3.8E-06	0.00021	5.6E-08	0.0003	1.03E-04	4.68413E-06	0.000257	3.13E-08	3.65E-04	9.04E-05	3.6E-06	0.000554	3.23E-08
881	490136.72	3860835.12	0.04605	0.04511	0.03971	0.05255	8.39E-05	3.8E-06	0.00021	5.6E-08	0.0003	1.03E-04	4.70394E-06	0.000258	3.14E-08	3.66E-04	9.07E-05	3.62E-06	0.000556	3.24E-08
882	490186.72	3860835.12	0.04606	0.04518	0.03972	0.05259	8.40E-05	3.8E-06	0.00021	5.6E-08	0.0003	1.03E-04	4.71124E-06	0.000258	3.14E-08	3.66E-04	9.07E-05	3.62E-06	0.000556	3.24E-08
883	490236.72	3860835.12	0.0461	0.04527	0.03978	0.05267	8.40E-05	3.9E-06	0.00021	5.6E-08	0.0003	1.03E-04	4.72063E-06	0.000258	3.14E-08	3.66E-04	9.08E-05	3.63E-06	0.000556	3.25E-08
884	490286.72	3860835.12	0.04618	0.04541	0.03988	0.05279	8.42E-05	3.9E-06	0.00021	5.6E-08	0.0003	1.03E-04	4.73523E-06	0.000259	3.15E-08	3.67E-04	9.1E-05	3.64E-06	0.000558	3.25E-08
885	490336.72	3860835.12	0.04622	0.04551	0.03996	0.0529	8.43E-05	3.9E-06	0.00021	5.6E-08	0.0003	1.03E-04	4.74565E-06	0.00026	3.16E-08	3.68E-04	9.1E-05	3.65E-06	0.000559	3.26E-08
886	490386.72	3860835.12	0.04628	0.04563	0.04007	0.05305	8.44E-05	3.9E-06	0.00021	5.7E-08	0.0003	1.03E-04	4.75817E-06	0.00026	3.17E-08	3.68E-04	9.11E-05	3.66E-06	0.000561	3.27E-08
887	490436.72	3860835.12	0.04641	0.04583	0.04023	0.05327	8.46E-05	3.9E-06	0.00021	5.7E-08	0.0003	1.04E-04	4.77902E-06	0.000261	3.18E-08	3.70E-04	9.14E-05	3.68E-06	0.000563	3.28E-08
888	490486.72	3860835.12	0.04651	0.046	0.04038	0.05349	8.48E-05	3.9E-06	0.00021	5.7E-08	0.0003	1.04E-04	4.79675E-06	0.000262	3.19E-08	3.71E-04	9.16E-05	3.69E-06	0.000565	3.3E-08
889	490536.72	3860835.12	0.04655	0.04611	0.04049	0.05371	8.49E-05	3.9E-06	0.00022	5.7E-08	0.0003	1.04E-04	4.80822E-06	0.000263	3.21E-08	3.72E-04	9.17E-05	3.7E-06	0.000566	3.31E-08
890	490586.72	3860835.12	0.04653	0.04617	0.04055	0.05391	8.48E-05	3.9E-06	0.00022	5.8E-08	0.0003	1.04E-04	4.81448E-06	0.000263	3.22E-08	3.72E-04	9.16E-05	3.7E-06	0.000567	3.32E-08
891	490636.72	3860835.12	0.0465	0.04622	0.0406	0.05411	8.48E-05	3.9E-06	0.00022	5.8E-08	0.0003	1.04E-04	4.81969E-06	0.000264	3.23E-08	3.72E-04	9.16E-05	3.71E-06	0.000568	3.34E-08
892	490686.72	3860835.12	0.04653	0.04633	0.0407	0.05436	8.48E-05	3.9E-06	0.00022	5.8E-08	0.00031	1.04E-04	4.83116E-06	0.000264	3.24E-08	3.73E-04	9.16E-05	3.72E-06	0.000569	3.35E-08
893	490736.72	3860835.12	0.04659	0.04649	0.04083	0.05462	8.49E-05	4E-06	0.00022	5.8E-08	0.00031	1.04E-04	4.84785E-06	0.000265	3.26E-08	3.74E-04	9.18E-05	3.73E-06	0.000571	3.37E-08
894	490086.72	3860885.12	0.04486	0.04388	0.03884	0.05122	8.18E-05	3.7E-06	0.00021	5.5E-08	0.00029	1.00E-04	4.57568E-06	0.000252	3.06E-08	3.57E-04	8.84E-05	3.52E-06	0.000543	3.16E-08
895	490136.72	3860885.12	0.04491	0.044	0.03887	0.05128	8.19E-05	3.7E-06	0.00021	5.5E-08	0.00029	1.00E-04	4.5882E-06	0.000252	3.06E-08	3.57E-04	8.84E-05	3.53E-06	0.000544	3.16E-08
896	490186.72	3860885.12	0.04495	0.04409	0.03889	0.05133	8.19E-05	3.8E-06	0.00021	5.5E-08	0.00029	1.00E-04	4.59758E-06	0.000253	3.06E-08	3.58E-04	8.85E-05	3.54E-06	0.000544	3.16E-08
897	490236.72	3860885.12	0.04499	0.04419	0.03894	0.0514	8.20E-05	3.8E-06	0.00021	5.5E-08	0.00029	1.00E-04	4.60801E-06	0.000253	3.07E-08	3.58E-04	8.86E-05	3.54E-06	0.000545	3.17E-08
898	490286.72	3860885.12	0.04504	0.04429	0.039	0.05147	8.21E-05	3.8E-06	0.00021	5.5E-08	0.00029	1.01E-04	4.61844E-06	0.000253	3.07E-08	3.59E-04	8.87E-05	3.55E-06	0.000546	3.17E-08
899	490336.72	3860885.12	0.04507	0.04437	0.03905	0.05155	8.22E-05	3.8E-06	0.00021	5.5E-08	0.00029	1.01E-04	4.62678E-06	0.000254	3.08E-08	3.59E-04	8.88E-05	3.56E-06	0.000546	3.18E-08
900	490386.72	3860885.12	0.04516	0.04452	0.03917	0.0517	8.23E-05	3.8E-06	0.00021	5.5E-08	0.00029	1.01E-04	4.64242E-06	0.000254	3.09E-08	3.60E-04	8.89E-05	3.57E-06	0.000548	3.19E-08
901	490436.72	3860885.12	0.04527	0.0447	0.03932	0.05188	8.25E-05	3.8E-06	0.00021	5.5E-08	0.0003	1.01E-04	4.66119E-06	0.000255	3.1E-08	3.61E-04	8.92E-05	3.59E-06	0.00055	3.2E-08
902	490486.72	3860885.12	0.04535	0.04483	0.03944	0.05206	8.27E-05	3.8E-06	0.00021	5.6E-08	0.0003	1.01E-04	4.67475E-06	0.000256	3.11E-08	3.62E-04	8.93E-05	3.6E-06	0.000552	3.21E-08
903	490536.72	3860885.12	0.0454	0.04495	0.03955	0.05225	8.28E-05	3.8E-06	0.00021	5.6E-08	0.0003	1.01E-04	4.68726E-06	0.000257	3.12E-08	3.63E-04	8.94E-05	3.61E-06	0.000553	3.22E-08
904	490586.72	3860885.12	0.04541	0.04503	0.03964	0.05245	8.28E-05	3.8E-06	0.00021	5.6E-08	0.0003	1.01E-04	4.6956E-06	0.000257	3.13E-08	3.64E-04	8.94E-05	3.61E-06	0.000555	3.23E-08
905	490636.72	3860885.12	0.04541	0.0451	0.03971	0.05265	8.28E-05	3.8E-06	0.00021	5.6E-08	0.0003	1.01E-04	4.7029E-06	0.000258	3.14E-08	3.64E-04	8.94E-05	3.62E-06	0.000556	3.25E-08
906	490686.72	3860885.12	0.04542	0.0452	0.03979	0.05288	8.28E-05	3.8E-06	0.00021	5.6E-08	0.0003	1.01E-04	4.71333E-06	0.000258	3.16E-08	3.65E-04	8.95E-05	3.63E-06	0.000557	3.26E-08
907	490736.72	3860885.12	0.04544	0.04531	0.03989	0.05311	8.28E-05	3.9E-06	0.00021	5.7E-08	0.0003	1.02E-04	4.7248E-06	0.000259	3.17E-08	3.65E-04	8.95E-05	3.63E-06	0.000558	3.27E-08
908	490086.72	3860935.12	0.04375	0.04279	0.03804	0.05	7.97E-05	3.6E-06	0.0002	5.3E-08	0.00029	9.77E-05	4.46202E-06	0.000247	2.98E-08	3.49E-04	8.62E-05	3.43E-06	0.000532	3.08E-08
909	490136.72	3860935.12	0.04375	0.04285	0.03801	0.05001	7.97E-05	3.6E-06	0.0002	5.3E-08	0.00029	9.77E-05	4.46828E-06	0.000247	2.98E-08	3.49E-04	8.62E-05	3.44E-06	0.000532	3.08E-08
910	490186.72	3860935.12	0.04383	0.04299	0.03806	0.05009	7.99E-05	3.7E-06	0.0002	5.3E-08	0.00029	9.79E-05	4.48288E-06	0.000247	2.99E-08	3.50E-04	8.63E-05	3.45E-06	0.000532	3.09E-08
911	490236.72	3860935.12	0.0439	0.04312	0.03811	0.05016	8.00E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.81E-05	4.49643E-06	0.000248	2.99E-08	3.50E-04	8.65E-05	3.46E-06	0.000533	3.09E-08

912	490286.72	3860935.12	0.04398	0.04325	0.03818	0.05024	8.02E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.82E-05	4.50999E-06	0.000248	3E-08	3.51E-04	8.66E-05	3.47E-06	0.000534	3.1E-08
913	490336.72	3860935.12	0.04399	0.04331	0.03821	0.0503	8.02E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.83E-05	4.51624E-06	0.000248	3E-08	3.51E-04	8.66E-05	3.47E-06	0.000535	3.1E-08
914	490386.72	3860935.12	0.04409	0.04347	0.03833	0.05043	8.04E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.85E-05	4.53293E-06	0.000249	3.01E-08	3.52E-04	8.68E-05	3.49E-06	0.000536	3.11E-08
915	490436.72	3860935.12	0.04419	0.04362	0.03845	0.05057	8.06E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.87E-05	4.54857E-06	0.00025	3.02E-08	3.53E-04	8.7E-05	3.5E-06	0.000538	3.12E-08
916	490486.72	3860935.12	0.04424	0.04373	0.03855	0.05071	8.06E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.88E-05	4.56004E-06	0.00025	3.03E-08	3.54E-04	8.71E-05	3.51E-06	0.000539	3.13E-08
917	490536.72	3860935.12	0.04431	0.04386	0.03867	0.05088	8.08E-05	3.7E-06	0.00021	5.4E-08	0.00029	9.90E-05	4.5736E-06	0.000251	3.04E-08	3.55E-04	8.73E-05	3.52E-06	0.000541	3.14E-08
918	490586.72	3860935.12	0.04433	0.04395	0.03875	0.05106	8.08E-05	3.7E-06	0.00021	5.4E-08	0.00029	9.90E-05	4.58298E-06	0.000252	3.05E-08	3.55E-04	8.73E-05	3.53E-06	0.000542	3.15E-08
919	490636.72	3860935.12	0.04434	0.04402	0.03883	0.05124	8.08E-05	3.7E-06	0.00021	5.5E-08	0.00029	9.90E-05	4.59028E-06	0.000252	3.06E-08	3.56E-04	8.73E-05	3.53E-06	0.000543	3.16E-08
920	490686.72	3860935.12	0.04437	0.04413	0.03892	0.05146	8.09E-05	3.8E-06	0.00021	5.5E-08	0.00029	9.91E-05	4.60175E-06	0.000253	3.07E-08	3.57E-04	8.74E-05	3.54E-06	0.000544	3.17E-08
921	490736.72	3860935.12	0.04439	0.04422	0.03901	0.05168	8.09E-05	3.8E-06	0.00021	5.5E-08	0.00029	9.92E-05	4.61114E-06	0.000253	3.08E-08	3.57E-04	8.74E-05	3.55E-06	0.000546	3.19E-08
922	490786.72	3860935.12	0.04441	0.04432	0.0391	0.05191	8.10E-05	3.8E-06	0.00021	5.5E-08	0.00029	9.92E-05	4.62156E-06	0.000254	3.1E-08	3.58E-04	8.75E-05	3.56E-06	0.000547	3.2E-08
923	490836.72	3860935.12	0.04447	0.04447	0.03923	0.05217	8.11E-05	3.8E-06	0.00021	5.6E-08	0.00029	9.93E-05	4.63721E-06	0.000255	3.11E-08	3.59E-04	8.76E-05	3.57E-06	0.000549	3.22E-08
924	490086.72	3860985.12	0.04275	0.04181	0.03732	0.04887	7.79E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.55E-05	4.35983E-06	0.000242	2.92E-08	3.42E-04	8.42E-05	3.35E-06	0.000522	3.01E-08
925	490136.72	3860985.12	0.04279	0.0419	0.03732	0.04891	7.80E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.56E-05	4.36921E-06	0.000242	2.92E-08	3.42E-04	8.43E-05	3.36E-06	0.000522	3.02E-08
926	490186.72	3860985.12	0.04288	0.04205	0.03736	0.04898	7.82E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.58E-05	4.38486E-06	0.000243	2.92E-08	3.43E-04	8.45E-05	3.37E-06	0.000523	3.02E-08
927	490236.72	3860985.12	0.04288	0.04211	0.03734	0.049	7.82E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.58E-05	4.39111E-06	0.000243	2.92E-08	3.43E-04	8.45E-05	3.38E-06	0.000522	3.02E-08
928	490286.72	3860985.12	0.04291	0.0422	0.03737	0.04904	7.82E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.58E-05	4.4005E-06	0.000243	2.93E-08	3.43E-04	8.45E-05	3.39E-06	0.000523	3.02E-08
929	490336.72	3860985.12	0.04296	0.0423	0.03742	0.04911	7.83E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.60E-05	4.41092E-06	0.000243	2.93E-08	3.43E-04	8.46E-05	3.39E-06	0.000523	3.03E-08
930	490386.72	3860985.12	0.04304	0.04243	0.0375	0.0492	7.85E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.61E-05	4.42448E-06	0.000244	2.94E-08	3.44E-04	8.48E-05	3.4E-06	0.000525	3.03E-08
931	490436.72	3860985.12	0.04317	0.04261	0.03764	0.04935	7.87E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.64E-05	4.44325E-06	0.000244	2.95E-08	3.45E-04	8.5E-05	3.42E-06	0.000527	3.04E-08
932	490486.72	3860985.12	0.04321	0.04271	0.03772	0.04946	7.88E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.65E-05	4.45368E-06	0.000245	2.95E-08	3.46E-04	8.51E-05	3.43E-06	0.000528	3.05E-08
933	490536.72	3860985.12	0.04324	0.04279	0.03779	0.04958	7.88E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.66E-05	4.46202E-06	0.000245	2.96E-08	3.47E-04	8.52E-05	3.43E-06	0.000529	3.06E-08
934	490586.72	3860985.12	0.04327	0.04288	0.03788	0.04972	7.89E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.67E-05	4.47141E-06	0.000246	2.97E-08	3.47E-04	8.52E-05	3.44E-06	0.00053	3.07E-08
935	490636.72	3860985.12	0.04333	0.043	0.03799	0.04992	7.90E-05	3.7E-06	0.0002	5.3E-08	0.00028	9.68E-05	4.48392E-06	0.000247	2.98E-08	3.48E-04	8.53E-05	3.45E-06	0.000531	3.08E-08
936	490686.72	3860985.12	0.04335	0.04308	0.03807	0.0501	7.90E-05	3.7E-06	0.0002	5.3E-08	0.00029	9.68E-05	4.49226E-06	0.000247	2.99E-08	3.49E-04	8.54E-05	3.46E-06	0.000533	3.09E-08
937	490736.72	3860985.12	0.04336	0.04316	0.03815	0.0503	7.90E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.69E-05	4.5006E-06	0.000248	3E-08	3.49E-04	8.54E-05	3.46E-06	0.000534	3.1E-08
938	490786.72	3860985.12	0.04339	0.04328	0.03825	0.05053	7.91E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.69E-05	4.51312E-06	0.000248	3.02E-08	3.50E-04	8.55E-05	3.47E-06	0.000535	3.12E-08
939	490836.72	3860985.12	0.04345	0.04342	0.03838	0.05079	7.92E-05	3.7E-06	0.0002	5.4E-08	0.00029	9.71E-05	4.52771E-06	0.000249	3.03E-08	3.51E-04	8.56E-05	3.48E-06	0.000537	3.13E-08
940	490086.72	3861035.12	0.04178	0.04084	0.03662	0.04778	7.62E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.33E-05	4.25868E-06	0.000238	2.85E-08	3.35E-04	8.23E-05	3.28E-06	0.000512	2.95E-08
941	490136.72	3861035.12	0.04184	0.04096	0.03662	0.04782	7.63E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.35E-05	4.27119E-06	0.000238	2.85E-08	3.36E-04	8.24E-05	3.29E-06	0.000512	2.95E-08
942	490186.72	3861035.12	0.04187	0.04105	0.03662	0.04785	7.63E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.35E-05	4.28058E-06	0.000238	2.86E-08	3.36E-04	8.25E-05	3.29E-06	0.000512	2.95E-08
943	490236.72	3861035.12	0.04193	0.04117	0.03664	0.04791	7.64E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.37E-05	4.29309E-06	0.000238	2.86E-08	3.36E-04	8.26E-05	3.3E-06	0.000513	2.95E-08
944	490286.72	3861035.12	0.04194	0.04123	0.03663	0.04792	7.64E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.37E-05	4.29935E-06	0.000238	2.86E-08	3.36E-04	8.26E-05	3.31E-06	0.000512	2.95E-08
945	490336.72	3861035.12	0.04196	0.04131	0.03665	0.04796	7.65E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.37E-05	4.30769E-06	0.000238	2.86E-08	3.36E-04	8.26E-05	3.31E-06	0.000513	2.96E-08
946	490386.72	3861035.12	0.04207	0.04147	0.03675	0.04807	7.67E-05	3.5E-06	0.0002	5.1E-08	0.00028	9.40E-05	4.32437E-06	0.000239	2.87E-08	3.37E-04	8.29E-05	3.33E-06	0.000514	2.96E-08
947	490436.72	3861035.12	0.04218	0.04163	0.03686	0.04819	7.69E-05	3.5E-06	0.0002	5.1E-08	0.00028	9.42E-05	4.34106E-06	0.000239	2.88E-08	3.38E-04	8.31E-05	3.34E-06	0.000516	2.97E-08
948	490486.72	3861035.12	0.04223	0.04174	0.03693	0.04828	7.70E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.43E-05	4.35253E-06	0.00024	2.88E-08	3.39E-04	8.32E-05	3.35E-06	0.000517	2.98E-08
949	490536.72	3861035.12	0.04226	0.04182	0.037	0.04837	7.70E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.44E-05	4.36087E-06	0.00024	2.89E-08	3.39E-04	8.32E-05	3.35E-06	0.000518	2.98E-08
950	490586.72	3861035.12	0.04229	0.04189	0.03707	0.04849	7.71E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.45E-05	4.36817E-06	0.000241	2.89E-08	3.40E-04	8.33E-05	3.36E-06	0.000519	2.99E-08
951	490636.72	3861035.12	0.04231	0.04197	0.03715	0.04863	7.71E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.45E-05	4.37651E-06	0.000241	2.9E-08	3.40E-04	8.33E-05	3.37E-06	0.00052	3E-08
952	490686.72	3861035.12	0.04233	0.04205	0.03723	0.04879	7.72E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.46E-05	4.38486E-06	0.000242	2.91E-08	3.41E-04	8.34E-05	3.37E-06	0.000521	3.01E-08
953	490736.72	3861035.12	0.04236	0.04215	0.03732	0.04898	7.72E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.46E-05	4.39528E-06	0.000242	2.92E-08	3.41E-04	8.34E-05	3.38E-06	0.000522	3.02E-08
954	490786.72	3861035.12	0.04242	0.04227	0.03743	0.04921	7.73E-05	3.6E-06	0.0002	5.2E-08	0.00028	9.48E-05	4.4078E-06	0.000243	2.94E-08	3.42E-04	8.35E-05	3.39E-06	0.000524	3.03E-08
955	490836.72	3861035.12	0.04247	0.0424	0.03755	0.04945	7.74E-05	3.6E-06	0.0002	5.3E-08	0.00028	9.49E-05	4.42135E-06	0.000244	2.95E-08	3.43E-04	8.36E-05	3.4E-06	0.000525	3.05E-08
956	490086.72	3861085.12	0.04086	0.03993	0.03596	0.04673	7.45E-05	3.4E-06	0.00019	5E-08	0.00027	9.13E-05	4.16379E-06	0.000234	2.79E-08	3.29E-04	8.05E-05	3.2E-06	0.000503	2.88E-08
957	490136.72	3861085.12	0.04096	0.04008	0.03599	0.0468	7.47E-05	3.4E-06	0.00019	5E-08	0.00027	9.15E-05	4.17943E-06	0.000234	2.79E-08	3.29E-04	8.07E-05	3.22E-06	0.000503	2.89E-08
958	490186.72	3861085.12	0.04106	0.04024	0.03604	0.04688	7.48E-05	3.4E-06	0.00019	5E-08	0.00027	9.17E-05	4.19611E-06	0.000234	2.8E-08	3.30E-04	8.09E-05	3.23E-06	0.000504	2.89E-08
959	490236.72	3861085.12	0.04105	0.04029	0.03599	0.04688	7.48E-05	3.4E-06	0.00019	5E-08	0.00027	9.17E-05	4.20133E-06	0.000234	2.8E-08	3.30E-04	8.08E-05	3.23E-06	0.000503	2.89E-08
960	490286.72	3861085.12	0.04106	0.04035	0.03597	0.04689	7.48E-05	3.4E-06	0.00019	5E-08	0.00027	9.17E-05	4.20758E-06	0.000234	2.8E-08	3.30E-04	8.09E-05	3.24E-06	0.000503	2.89E-08
961	490336.72	3861085.12	0.04106	0.04041	0.03597	0.04691	7.48E-05	3.4E-06	0.00019	5E-08	0.00027	9.17E-05	4.21384E-06	0.000234	2.8E-08	3.30E-04	8.09E-05	3.24E-06	0.000503	2.89E-08
962	490386.72	3861085.12	0.04115	0.04056	0.03604	0.047	7.50E-05	3.5E-06	0.00019	5E-08	0.00027	9.19E-05	4.22948E-06	0.000234	2.81E-08	3.30E-04	8.1E-05	3.25E-06	0.000504	2.9E-08
963	490436.72	3861085.12	0.0412	0.04066	0.03609	0.04706	7.51E-05	3.5E-06	0.00019	5E-08	0.00027	9.20E-05	4.23991E-06	0.000234	2.81E-08	3.31E-04	8.11E-05	3.26E-06	0.000505	2.9E-08
964	490486.72	3861085.12	0.04125	0.04076	0.03615	0.04714	7.52E-05	3.5E-06	0.00019	5E-08	0.00027	9.21E-05	4.25034E-06	0.000235	2.81E-08	3.31E-04	8.12E-05	3.27E-06	0.000506	2.91E-08
965	490536.72	3861085.12	0.04134	0.0409	0.03625	0.04725	7.54E-05	3.5E-06	0.00019	5E-08	0.00027	9.23E-05	4.26494E-06	0.000235	2.82E-08	3.32E-04	8.14E-05	3.28E-06	0.000507	2.91E-08
966	490586.72	3861085.12	0.04135	0.04095	0.03631	0.04733	7.54E-05	3.5E-06	0.00019	5E-08	0.00027	9.24E-05	4.27015E-06	0.000236	2.82E-08	3.33E-04	8.14E-05	3.28E-06	0.000508	2.92E-08
967	490636.72	3861085.12	0.04133	0.04099	0.03634	0.04741	7.53E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.23E-05	4.27432E-06	0.000236	2.83E-08	3.33E-04	8.14E-05	3.29E-06	0.000508	2.92E-08
968	490686.72	3861085.12	0.04136	0.04106	0.03642	0.04755	7.54E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.24E-05	4.28162E-06	0.000237	2.84E-08	3.33E-04	8.15E-05	3.29E-06	0.000509	2.93E-08
969	490736.72	3861085.12	0.04141	0.04117	0.03652	0.04773	7.55E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.25E-05	4.29309E-06	0.000237	2.85E-08	3.34E-04	8.16E-05	3.3E-06	0.000511	2.94E-08
970	490786.72	3861085.12	0.04146	0.04129	0.03663	0.04793	7.56E-05	3.5E-06	0.00019	5.1E-08	0.00027	9.26E-05	4.3056E-06	0.000238	2.86E-08	3.35E-04	8.17E-05	3.31E-06	0.000512	2.96E-08
971	490836.72	3861085.12	0.04151	0.04141	0.03674	0.04815	7.57E-05	3.5E-06	0.0002	5.1E-08	0.00027	9.27E-05	4.31812E-06	0.000239	2.87E-08	3.36E-04	8.18E-05	3.32E-06	0.000514	2.97E-08
972	490086.72	3861135.12	0.03996	0.03904	0.03531	0.04572	7.28E-05	3.3E-06	0.00019	4.9E-08	0.00026	8.93E-05	4.07098E-06	0.000229	2.73E-08	3.23E-04	7.87E-05	3.13E-06	0.000494	2.82E-08

973	490136.72	3861135.12	0.04004	0.03917	0.03532	0.04577	7.30E-05	3.3E-06	0.00019	4.9E-08	0.00026	8.94E-05	4.08454E-06	0.000229	2.73E-08	3.23E-04	7.89E-05	3.14E-06	0.000494	2.82E-08
974	490186.72	3861135.12	0.04013	0.03931	0.03535	0.04584	7.32E-05	3.3E-06	0.00019	4.9E-08	0.00026	8.96E-05	4.09914E-06	0.00023	2.74E-08	3.23E-04	7.9E-05	3.15E-06	0.000495	2.83E-08
975	490236.72	3861135.12	0.04019	0.03943	0.03536	0.04589	7.33E-05	3.4E-06	0.00019	4.9E-08	0.00026	8.98E-05	4.11165E-06	0.00023	2.74E-08	3.24E-04	7.92E-05	3.16E-06	0.000495	2.83E-08
976	490286.72	3861135.12	0.04022	0.03951	0.03535	0.04591	7.33E-05	3.4E-06	0.00019	4.9E-08	0.00026	8.98E-05	4.11999E-06	0.00023	2.74E-08	3.24E-04	7.92E-05	3.17E-06	0.000495	2.83E-08
977	490336.72	3861135.12	0.04022	0.03957	0.03533	0.04593	7.33E-05	3.4E-06	0.00019	4.9E-08	0.00026	8.98E-05	4.12625E-06	0.000229	2.74E-08	3.23E-04	7.92E-05	3.17E-06	0.000494	2.83E-08
978	490386.72	3861135.12	0.04027	0.03967	0.03536	0.04597	7.34E-05	3.4E-06	0.00019	4.9E-08	0.00026	9.00E-05	4.13668E-06	0.00023	2.74E-08	3.24E-04	7.93E-05	3.18E-06	0.000495	2.83E-08
979	490436.72	3861135.12	0.0403	0.03976	0.03538	0.04601	7.35E-05	3.4E-06	0.00019	4.9E-08	0.00026	9.00E-05	4.14606E-06	0.00023	2.75E-08	3.24E-04	7.94E-05	3.19E-06	0.000495	2.84E-08
980	490486.72	3861135.12	0.04035	0.03986	0.03544	0.04607	7.36E-05	3.4E-06	0.00019	4.9E-08	0.00027	9.01E-05	4.15649E-06	0.00023	2.75E-08	3.25E-04	7.95E-05	3.2E-06	0.000496	2.84E-08
981	490536.72	3861135.12	0.0404	0.03995	0.0355	0.04615	7.36E-05	3.4E-06	0.00019	4.9E-08	0.00027	9.02E-05	4.16587E-06	0.000231	2.75E-08	3.25E-04	7.96E-05	3.2E-06	0.000497	2.85E-08
982	490586.72	3861135.12	0.04042	0.04003	0.03555	0.04622	7.37E-05	3.4E-06	0.00019	4.9E-08	0.00027	9.03E-05	4.17422E-06	0.000231	2.76E-08	3.25E-04	7.96E-05	3.21E-06	0.000497	2.85E-08
983	490636.72	3861135.12	0.04042	0.04007	0.03558	0.04628	7.37E-05	3.4E-06	0.00019	4.9E-08	0.00027	9.03E-05	4.17839E-06	0.000231	2.76E-08	3.26E-04	7.96E-05	3.21E-06	0.000498	2.85E-08
984	490686.72	3861135.12	0.04045	0.04015	0.03566	0.0464	7.37E-05	3.4E-06	0.00019	4.9E-08	0.00027	9.04E-05	4.18673E-06	0.000232	2.77E-08	3.26E-04	7.97E-05	3.22E-06	0.000499	2.86E-08
985	490736.72	3861135.12	0.04051	0.04026	0.03576	0.04656	7.38E-05	3.4E-06	0.00019	5E-08	0.00027	9.05E-05	4.1982E-06	0.000232	2.78E-08	3.27E-04	7.98E-05	3.23E-06	0.0005	2.87E-08
986	490786.72	3861135.12	0.04056	0.04037	0.03587	0.04673	7.39E-05	3.4E-06	0.00019	5E-08	0.00027	9.06E-05	4.20967E-06	0.000233	2.79E-08	3.28E-04	7.99E-05	3.24E-06	0.000502	2.88E-08
987	490836.72	3861135.12	0.0406	0.04047	0.03596	0.04692	7.40E-05	3.4E-06	0.00019	5E-08	0.00027	9.07E-05	4.2201E-06	0.000234	2.8E-08	3.29E-04	8E-05	3.25E-06	0.000503	2.89E-08
988	490086.72	3861185.12	0.0391	0.03819	0.03468	0.04474	7.13E-05	3.2E-06	0.00018	4.8E-08	0.00026	8.73E-05	3.98235E-06	0.000225	2.67E-08	3.17E-04	7.7E-05	3.06E-06	0.000485	2.76E-08
989	490136.72	3861185.12	0.03912	0.03825	0.03464	0.04475	7.13E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.74E-05	3.9886E-06	0.000225	2.67E-08	3.16E-04	7.7E-05	3.07E-06	0.000485	2.76E-08
990	490186.72	3861185.12	0.03918	0.03836	0.03465	0.04479	7.14E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.75E-05	4.00007E-06	0.000225	2.67E-08	3.17E-04	7.72E-05	3.08E-06	0.000485	2.76E-08
991	490236.72	3861185.12	0.03925	0.03849	0.03467	0.04485	7.15E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.77E-05	4.01363E-06	0.000225	2.68E-08	3.17E-04	7.73E-05	3.09E-06	0.000485	2.77E-08
992	490286.72	3861185.12	0.03935	0.03864	0.03471	0.04493	7.17E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.79E-05	4.02927E-06	0.000225	2.68E-08	3.17E-04	7.75E-05	3.1E-06	0.000486	2.77E-08
993	490336.72	3861185.12	0.0393	0.03864	0.03464	0.04489	7.16E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.78E-05	4.02927E-06	0.000225	2.68E-08	3.17E-04	7.74E-05	3.1E-06	0.000485	2.77E-08
994	490386.72	3861185.12	0.03935	0.03875	0.03466	0.04494	7.17E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.79E-05	4.04074E-06	0.000225	2.68E-08	3.17E-04	7.75E-05	3.11E-06	0.000485	2.77E-08
995	490436.72	3861185.12	0.03943	0.03888	0.03471	0.04501	7.19E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.81E-05	4.0543E-06	0.000225	2.69E-08	3.18E-04	7.77E-05	3.12E-06	0.000486	2.78E-08
996	490486.72	3861185.12	0.03946	0.03897	0.03474	0.04505	7.19E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.81E-05	4.06368E-06	0.000226	2.69E-08	3.18E-04	7.77E-05	3.13E-06	0.000486	2.78E-08
997	490536.72	3861185.12	0.03958	0.03913	0.03485	0.04516	7.21E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.84E-05	4.08037E-06	0.000226	2.7E-08	3.19E-04	7.8E-05	3.14E-06	0.000488	2.78E-08
998	490586.72	3861185.12	0.03958	0.03918	0.03487	0.04519	7.21E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.84E-05	4.08558E-06	0.000226	2.7E-08	3.19E-04	7.8E-05	3.14E-06	0.000488	2.79E-08
999	490636.72	3861185.12	0.03953	0.03917	0.03485	0.04521	7.21E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.83E-05	4.08454E-06	0.000226	2.7E-08	3.19E-04	7.79E-05	3.14E-06	0.000488	2.79E-08
1000	490686.72	3861185.12	0.03956	0.03925	0.03492	0.04529	7.21E-05	3.3E-06	0.00019	4.8E-08	0.00026	8.84E-05	4.09288E-06	0.000227	2.7E-08	3.19E-04	7.79E-05	3.15E-06	0.000488	2.79E-08
1001	490736.72	3861185.12	0.03964	0.03938	0.03503	0.04545	7.23E-05	3.4E-06	0.00019	4.8E-08	0.00026	8.85E-05	4.10644E-06	0.000228	2.71E-08	3.20E-04	7.81E-05	3.16E-06	0.00049	2.8E-08
1002	490786.72	3861185.12	0.0397	0.0395	0.03514	0.04561	7.24E-05	3.4E-06	0.00019	4.9E-08	0.00026	8.87E-05	4.11895E-06	0.000228	2.72E-08	3.21E-04	7.82E-05	3.17E-06	0.000492	2.81E-08
1003	490836.72	3861185.12	0.03974	0.0396	0.03524	0.04578	7.24E-05	3.4E-06	0.00019	4.9E-08	0.00026	8.88E-05	4.12938E-06	0.000229	2.73E-08	3.22E-04	7.83E-05	3.18E-06	0.000493	2.82E-08
1004	490086.72	3861235.12	0.03826	0.03736	0.03405	0.04378	6.97E-05	3.2E-06	0.00018	4.7E-08	0.00025	8.55E-05	3.8958E-06	0.000221	2.61E-08	3.11E-04	7.54E-05	3E-06	0.000476	2.7E-08
1005	490136.72	3861235.12	0.03829	0.03742	0.03403	0.0438	6.98E-05	3.2E-06	0.00018	4.7E-08	0.00025	8.55E-05	3.90205E-06	0.000221	2.61E-08	3.10E-04	7.54E-05	3E-06	0.000476	2.7E-08
1006	490186.72	3861235.12	0.03836	0.03753	0.03405	0.04385	6.99E-05	3.2E-06	0.00018	4.7E-08	0.00025	8.57E-05	3.91352E-06	0.000221	2.62E-08	3.11E-04	7.55E-05	3.01E-06	0.000476	2.7E-08
1007	490236.72	3861235.12	0.03837	0.0376	0.03401	0.04386	6.99E-05	3.2E-06	0.00018	4.7E-08	0.00025	8.57E-05	3.92082E-06	0.000221	2.62E-08	3.11E-04	7.56E-05	3.02E-06	0.000476	2.7E-08
1008	490386.72	3861235.12	0.03846	0.03786	0.03399	0.04394	7.01E-05	3.2E-06	0.00018	4.7E-08	0.00025	8.59E-05	3.94793E-06	0.000221	2.62E-08	3.11E-04	7.57E-05	3.04E-06	0.000475	2.71E-08
1009	490436.72	3861235.12	0.03848	0.03793	0.03398	0.04397	7.01E-05	3.2E-06	0.00018	4.7E-08	0.00025	8.60E-05	3.95523E-06	0.000221	2.62E-08	3.11E-04	7.58E-05	3.04E-06	0.000475	2.71E-08
1010	490486.72	3861235.12	0.03852	0.03802	0.034	0.04401	7.02E-05	3.2E-06	0.00018	4.7E-08	0.00025	8.60E-05	3.96462E-06	0.000221	2.63E-08	3.11E-04	7.59E-05	3.05E-06	0.000476	2.71E-08
1011	490536.72	3861235.12	0.03869	0.03824	0.03414	0.04415	7.05E-05	3.3E-06	0.00018	4.7E-08	0.00026	8.64E-05	3.98756E-06	0.000222	2.64E-08	3.12E-04	7.62E-05	3.07E-06	0.000478	2.72E-08
1012	490586.72	3861235.12	0.0388	0.0384	0.03424	0.04425	7.07E-05	3.3E-06	0.00018	4.7E-08	0.00026	8.67E-05	4.00424E-06	0.000222	2.64E-08	3.13E-04	7.64E-05	3.08E-06	0.000479	2.73E-08
1013	490636.72	3861235.12	0.03867	0.03831	0.03416	0.04419	7.05E-05	3.3E-06	0.00018	4.7E-08	0.00026	8.64E-05	3.99486E-06	0.000222	2.64E-08	3.12E-04	7.62E-05	3.07E-06	0.000478	2.72E-08
1014	490686.72	3861235.12	0.03871	0.03839	0.03422	0.04426	7.06E-05	3.3E-06	0.00018	4.7E-08	0.00026	8.65E-05	4.0032E-06	0.000222	2.64E-08	3.13E-04	7.62E-05	3.08E-06	0.000479	2.73E-08
1015	490736.72	3861235.12	0.03879	0.03852	0.03433	0.04439	7.07E-05	3.3E-06	0.00018	4.7E-08	0.00026	8.66E-05	4.01676E-06	0.000223	2.65E-08	3.14E-04	7.64E-05	3.09E-06	0.00048	2.74E-08
1016	490786.72	3861235.12	0.03887	0.03866	0.03444	0.04454	7.09E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.68E-05	4.03136E-06	0.000224	2.66E-08	3.15E-04	7.66E-05	3.1E-06	0.000482	2.75E-08
1017	490836.72	3861235.12	0.03892	0.03875	0.03453	0.04468	7.09E-05	3.3E-06	0.00018	4.8E-08	0.00026	8.69E-05	4.04074E-06	0.000224	2.67E-08	3.15E-04	7.67E-05	3.11E-06	0.000483	2.75E-08
1018	490086.72	3861285.12	0.03751	0.03663	0.0335	0.0429	6.84E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.38E-05	3.81967E-06	0.000218	2.56E-08	3.05E-04	7.39E-05	2.94E-06	0.000469	2.65E-08
1019	490136.72	3861285.12	0.03761	0.03676	0.03354	0.04298	6.86E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.40E-05	3.83323E-06	0.000218	2.57E-08	3.06E-04	7.41E-05	2.95E-06	0.000469	2.65E-08
1020	490186.72	3861285.12	0.03759	0.03676	0.03348	0.04296	6.85E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.40E-05	3.83323E-06	0.000217	2.56E-08	3.05E-04	7.4E-05	2.95E-06	0.000468	2.65E-08
1021	490236.72	3861285.12	0.0376	0.03682	0.03345	0.04297	6.85E-05	3.1E-06	0.00018	4.6E-08	0.00025	8.40E-05	3.83949E-06	0.000217	2.56E-08	3.05E-04	7.41E-05	2.95E-06	0.000468	2.65E-08
1022	490386.72	3861285.12	0.03767	0.03706	0.03339	0.04303	6.87E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.41E-05	3.86451E-06	0.000217	2.57E-08	3.05E-04	7.42E-05	2.97E-06	0.000467	2.65E-08
1023	490436.72	3861285.12	0.03773	0.03717	0.03341	0.04308	6.88E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.43E-05	3.87598E-06	0.000217	2.57E-08	3.05E-04	7.43E-05	2.98E-06	0.000467	2.66E-08
1024	490486.72	3861285.12	0.03774	0.03723	0.0334	0.04309	6.88E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.43E-05	3.88224E-06	0.000217	2.57E-08	3.05E-04	7.43E-05	2.99E-06	0.000467	2.66E-08
1025	490536.72	3861285.12	0.03778	0.03733	0.03343	0.04314	6.89E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.44E-05	3.89267E-06	0.000217	2.57E-08	3.05E-04	7.44E-05	2.99E-06	0.000468	2.66E-08
1026	490586.72	3861285.12	0.03786	0.03745	0.03349	0.04321	6.90E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.46E-05	3.90518E-06	0.000218	2.58E-08	3.06E-04	7.46E-05	3E-06	0.000468	2.66E-08
1027	490636.72	3861285.12	0.03782	0.03745	0.03347	0.0432	6.89E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.45E-05	3.90518E-06	0.000217	2.58E-08	3.06E-04	7.45E-05	3E-06	0.000468	2.66E-08
1028	490686.72	3861285.12	0.03786	0.03754	0.03352	0.04326	6.90E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.46E-05	3.91457E-06	0.000218	2.58E-08	3.06E-04	7.46E-05	3.01E-06	0.000469	2.67E-08
1029	490736.72	3861285.12	0.03799	0.03772	0.03367	0.04341	6.92E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.49E-05	3.93333E-06	0.000219	2.59E-08	3.08E-04	7.48E-05	3.03E-06	0.000471	2.68E-08
1030	490786.72	3861285.12	0.03803	0.0378	0.03374	0.0435	6.93E-05	3.2E-06	0.00018	4.6E-08	0.00025	8.49E-05	3.94168E-06	0.000219	2.6E-08	3.08E-04	7.49E-05	3.03E-06	0.000472	2.68E-08
1031	490836.72	3861285.12	0.03804	0.03786	0.03379	0.0436	6.93E-05	3.2E-06	0.00018	4.7E-08	0.00025	8.50E-05	3.94793E-06	0.000219	2.6E-08	3.08E-04	7.49E-05	3.04E-06	0.000473	2.69E-08
1032	490061.24	3859716.13	0.08605	0.08048	0.06549	0.09709	1.57E-04	6.8E-06	0.00035	1E-07	0.00051	1.92E-04	8.39223E-06	0.000425	5.79E-08	6.26E-04	0.000169	6.46E-06	0.000916	5.99E-08
1033	490111.24	3859716.13	0.08569	0.07995	0.06501	0.09622	1.56E-04	6.8E-06	0.00035	1E-07	0.00051	1.91E-04	8.33696E-06	0.000422	5.74E-08	6.22E-04	0.000169	6.41E-06	0.000909	5.93E-08

1034	490161.24	3859716.13	0.08537	0.07936	0.06447	0.09537	1.56E-04	6.8E-06	0.00034	1E-07	0.00051	1.91E-04	8.27544E-06	0.000419	5.69E-08	6.18E-04	0.000168	6.37E-06	0.000902	5.88E-08
1035	490211.24	3859716.13	0.08507	0.07874	0.06391	0.09457	1.55E-04	6.7E-06	0.00034	1E-07	0.0005	1.90E-04	8.21078E-06	0.000415	5.64E-08	6.13E-04	0.000168	6.32E-06	0.000894	5.83E-08
1036	490061.24	3859766.13	0.08328	0.07873	0.0644	0.09492	1.52E-04	6.7E-06	0.00034	1E-07	0.0005	1.86E-04	8.20974E-06	0.000418	5.67E-08	6.13E-04	0.000164	6.32E-06	0.000901	5.85E-08
1037	490111.24	3859766.13	0.08277	0.07816	0.06391	0.09408	1.51E-04	6.7E-06	0.00034	1E-07	0.0005	1.85E-04	8.1503E-06	0.000415	5.62E-08	6.08E-04	0.000163	6.27E-06	0.000894	5.8E-08
1038	490161.24	3859766.13	0.08231	0.07754	0.06337	0.09322	1.50E-04	6.6E-06	0.00034	9.9E-08	0.00049	1.84E-04	8.08565E-06	0.000412	5.56E-08	6.04E-04	0.000162	6.22E-06	0.000886	5.75E-08
1039	490211.24	3859766.13	0.08196	0.07698	0.06285	0.09239	1.49E-04	6.6E-06	0.00033	9.9E-08	0.00049	1.83E-04	8.02726E-06	0.000408	5.51E-08	5.99E-04	0.000161	6.18E-06	0.000879	5.7E-08
1040	490061.24	3859816.13	0.08079	0.07694	0.06325	0.09278	1.47E-04	6.5E-06	0.00034	9.9E-08	0.00049	1.80E-04	8.02309E-06	0.000411	5.54E-08	5.99E-04	0.000159	6.17E-06	0.000885	5.72E-08
1041	490111.24	3859816.13	0.08019	0.07638	0.06278	0.09201	1.46E-04	6.5E-06	0.00033	9.8E-08	0.00049	1.79E-04	7.96469E-06	0.000408	5.49E-08	5.95E-04	0.000158	6.13E-06	0.000878	5.67E-08
1042	490161.24	3859816.13	0.07968	0.07584	0.06231	0.0912	1.45E-04	6.5E-06	0.00033	9.7E-08	0.00048	1.78E-04	7.90838E-06	0.000405	5.44E-08	5.91E-04	0.000157	6.08E-06	0.000872	5.62E-08
1043	490211.24	3859816.13	0.07923	0.07527	0.06181	0.09038	1.44E-04	6.4E-06	0.00033	9.6E-08	0.00048	1.77E-04	7.84894E-06	0.000401	5.39E-08	5.86E-04	0.000156	6.04E-06	0.000865	5.57E-08
1044	490061.24	3859866.13	0.07848	0.07513	0.06205	0.09061	1.43E-04	6.4E-06	0.00033	9.7E-08	0.00048	1.75E-04	7.83434E-06	0.000403	5.41E-08	5.86E-04	0.000155	6.03E-06	0.000868	5.59E-08
1045	490111.24	3859866.13	0.07791	0.07468	0.06168	0.08998	1.42E-04	6.4E-06	0.00033	9.6E-08	0.00048	1.74E-04	7.78742E-06	0.000401	5.37E-08	5.83E-04	0.000153	5.99E-06	0.000863	5.55E-08
1046	490161.24	3859866.13	0.07738	0.07421	0.06127	0.08926	1.41E-04	6.3E-06	0.00033	9.5E-08	0.00047	1.73E-04	7.73841E-06	0.000398	5.33E-08	5.79E-04	0.000152	5.95E-06	0.000857	5.5E-08
1047	490211.24	3859866.13	0.07689	0.07372	0.06083	0.08849	1.40E-04	6.3E-06	0.00032	9.4E-08	0.00047	1.72E-04	7.68731E-06	0.000395	5.28E-08	5.75E-04	0.000151	5.91E-06	0.000851	5.46E-08
1048	490061.24	3859916.13	0.07629	0.07329	0.06081	0.0884	1.39E-04	6.2E-06	0.00032	9.4E-08	0.00047	1.70E-04	7.64247E-06	0.000395	5.28E-08	5.73E-04	0.00015	5.88E-06	0.000851	5.45E-08
1049	490111.24	3859916.13	0.0758	0.07297	0.06054	0.08792	1.38E-04	6.2E-06	0.00032	9.4E-08	0.00047	1.69E-04	7.60911E-06	0.000393	5.25E-08	5.70E-04	0.000149	5.85E-06	0.000847	5.42E-08
1050	490161.24	3859916.13	0.07527	0.07257	0.06019	0.08732	1.37E-04	6.2E-06	0.00032	9.3E-08	0.00046	1.68E-04	7.56739E-06	0.000391	5.21E-08	5.67E-04	0.000148	5.82E-06	0.000842	5.38E-08
1051	490211.24	3859916.13	0.07473	0.0721	0.05979	0.08664	1.36E-04	6.1E-06	0.00032	9.2E-08	0.00046	1.67E-04	7.51838E-06	0.000388	5.17E-08	5.63E-04	0.000147	5.78E-06	0.000836	5.34E-08
1052	490229.25	3859815.26	0.07917	0.07515	0.06168	0.09013	1.44E-04	6.4E-06	0.00033	9.6E-08	0.00048	1.77E-04	7.83643E-06	0.000401	5.38E-08	5.85E-04	0.000156	6.03E-06	0.000863	5.56E-08
1053	490279.25	3859815.26	0.07879	0.07457	0.06116	0.08933	1.44E-04	6.3E-06	0.00032	9.5E-08	0.00048	1.76E-04	7.77595E-06	0.000397	5.33E-08	5.81E-04	0.000155	5.98E-06	0.000856	5.51E-08
1054	490329.25	3859815.26	0.07848	0.07402	0.06064	0.08857	1.43E-04	6.3E-06	0.00032	9.4E-08	0.00047	1.75E-04	7.7186E-06	0.000394	5.29E-08	5.77E-04	0.000155	5.94E-06	0.000848	5.46E-08
1055	490379.25	3859815.26	0.07836	0.07365	0.06025	0.08793	1.43E-04	6.3E-06	0.00032	9.4E-08	0.00047	1.75E-04	7.68001E-06	0.000391	5.25E-08	5.74E-04	0.000154	5.91E-06	0.000843	5.42E-08
1056	490429.25	3859815.26	0.0784	0.07344	0.05996	0.0874	1.43E-04	6.2E-06	0.00032	9.3E-08	0.00047	1.75E-04	7.65812E-06	0.000389	5.22E-08	5.72E-04	0.000154	5.89E-06	0.000839	5.39E-08
1057	490229.25	3859865.26	0.07677	0.07356	0.06069	0.08824	1.40E-04	6.3E-06	0.00032	9.4E-08	0.00047	1.71E-04	7.67063E-06	0.000394	5.27E-08	5.73E-04	0.000151	5.9E-06	0.000849	5.44E-08
1058	490279.25	3859865.26	0.07632	0.073	0.06019	0.08744	1.39E-04	6.2E-06	0.00032	9.3E-08	0.00047	1.70E-04	7.61223E-06	0.000391	5.22E-08	5.69E-04	0.00015	5.86E-06	0.000842	5.39E-08
1059	490329.25	3859865.26	0.07593	0.07245	0.05969	0.08666	1.38E-04	6.2E-06	0.00032	9.2E-08	0.00046	1.70E-04	7.55488E-06	0.000388	5.17E-08	5.65E-04	0.00015	5.81E-06	0.000835	5.34E-08
1060	490379.25	3859865.26	0.07566	0.07198	0.05924	0.08594	1.38E-04	6.1E-06	0.00031	9.2E-08	0.00046	1.69E-04	7.50587E-06	0.000385	5.13E-08	5.61E-04	0.000149	5.77E-06	0.000829	5.3E-08
1061	490429.25	3859865.26	0.0755	0.07159	0.05884	0.0853	1.38E-04	6.1E-06	0.00031	9.1E-08	0.00046	1.69E-04	7.4652E-06	0.000382	5.09E-08	5.58E-04	0.000149	5.74E-06	0.000823	5.26E-08
1062	490229.25	3859915.26	0.0746	0.07197	0.05967	0.08641	1.36E-04	6.1E-06	0.00032	9.2E-08	0.00046	1.67E-04	7.50483E-06	0.000388	5.16E-08	5.62E-04	0.000147	5.77E-06	0.000835	5.33E-08
1063	490279.25	3859915.26	0.07408	0.07142	0.05919	0.08565	1.35E-04	6.1E-06	0.00031	9.1E-08	0.00046	1.65E-04	7.44748E-06	0.000384	5.11E-08	5.57E-04	0.000146	5.73E-06	0.000828	5.28E-08
1064	490329.25	3859915.26	0.07364	0.07091	0.05873	0.08488	1.34E-04	6E-06	0.00031	9.1E-08	0.00045	1.64E-04	7.39429E-06	0.000381	5.07E-08	5.53E-04	0.000145	5.69E-06	0.000822	5.23E-08
1065	490379.25	3859915.26	0.07329	0.07043	0.05829	0.08414	1.34E-04	6E-06	0.00031	9E-08	0.00045	1.64E-04	7.34424E-06	0.000379	5.02E-08	5.50E-04	0.000144	5.65E-06	0.000815	5.19E-08
1066	490429.25	3859915.26	0.07299	0.06996	0.05784	0.08342	1.33E-04	6E-06	0.00031	8.9E-08	0.00045	1.63E-04	7.29523E-06	0.000376	4.98E-08	5.46E-04	0.000144	5.61E-06	0.000809	5.14E-08
1067	490451.43	3859872.59	0.07503	0.07116	0.0585	0.08474	1.37E-04	6.1E-06	0.00031	9E-08	0.00045	1.68E-04	7.42036E-06	0.00038	5.06E-08	5.55E-04	0.000148	5.71E-06	0.000818	5.22E-08
1068	490501.43	3859872.59	0.07502	0.07093	0.05821	0.08423	1.37E-04	6E-06	0.00031	9E-08	0.00045	1.68E-04	7.39638E-06	0.000378	5.03E-08	5.53E-04	0.000148	5.69E-06	0.000814	5.19E-08
1069	490551.43	3859872.59	0.07518	0.07091	0.05806	0.08383	1.37E-04	6E-06	0.00031	8.9E-08	0.00045	1.68E-04	7.39429E-06	0.000377	5E-08	5.52E-04	0.000148	5.69E-06	0.000812	5.17E-08
1070	490601.43	3859872.59	0.07535	0.07091	0.05792	0.0835	1.37E-04	6E-06	0.00031	8.9E-08	0.00045	1.68E-04	7.39429E-06	0.000376	4.98E-08	5.52E-04	0.000148	5.69E-06	0.00081	5.15E-08
1071	490451.43	3859922.59	0.07254	0.06954	0.05751	0.08287	1.32E-04	5.9E-06	0.00031	8.8E-08	0.00044	1.62E-04	7.25143E-06	0.000374	4.95E-08	5.43E-04	0.000143	5.58E-06	0.000805	5.11E-08
1072	490501.43	3859922.59	0.07238	0.06919	0.05714	0.08226	1.32E-04	5.9E-06	0.0003	8.8E-08	0.00044	1.62E-04	7.21494E-06	0.000371	4.91E-08	5.40E-04	0.000143	5.55E-06	0.000799	5.07E-08
1073	490551.43	3859922.59	0.07242	0.06904	0.05691	0.08177	1.32E-04	5.9E-06	0.0003	8.7E-08	0.00044	1.62E-04	7.1993E-06	0.00037	4.88E-08	5.39E-04	0.000143	5.54E-06	0.000796	5.04E-08
1074	490601.43	3859922.59	0.07255	0.069	0.05675	0.08137	1.32E-04	5.9E-06	0.0003	8.7E-08	0.00044	1.62E-04	7.19512E-06	0.000369	4.86E-08	5.38E-04	0.000143	5.54E-06	0.000794	5.02E-08
1075	482129.67	3852241.07	0.04256	0.03706	0.03922	0.03077	7.76E-05	3.2E-06	0.00021	3.3E-08	0.00029	9.51E-05	3.86451E-06	0.000255	1.84E-08	3.54E-04	8.38E-05	2.97E-06	0.000549	1.9E-08
1076	482029.67	3852291.07	0.04326	0.03828	0.03941	0.03115	7.89E-05	3.3E-06	0.00021	3.3E-08	0.00029	9.66E-05	3.99173E-06	0.000256	1.86E-08	3.57E-04	8.52E-05	3.07E-06	0.000551	1.92E-08
1077	482079.67	3852291.07	0.04347	0.03816	0.03972	0.03144	7.92E-05	3.2E-06	0.00021	3.4E-08	0.00029	9.71E-05	3.97922E-06	0.000258	1.88E-08	3.59E-04	8.56E-05	3.06E-06	0.000556	1.94E-08
1078	482129.67	3852291.07	0.0436	0.03805	0.03994	0.0315	7.95E-05	3.2E-06	0.00021	3.4E-08	0.00029	9.74E-05	3.96775E-06	0.000259	1.88E-08	3.61E-04	8.59E-05	3.05E-06	0.000559	1.94E-08
1079	482179.67	3852291.07	0.04361	0.03798	0.0401	0.03126	7.95E-05	3.2E-06	0.00021	3.3E-08	0.0003	9.74E-05	3.96045E-06	0.00026	1.87E-08	3.62E-04	8.59E-05	3.05E-06	0.000561	1.93E-08
1080	482229.67	3852291.07	0.04347	0.03796	0.04019	0.03067	7.92E-05	3.2E-06	0.00021	3.3E-08	0.0003	9.71E-05	3.95836E-06	0.000261	1.83E-08	3.62E-04	8.56E-05	3.05E-06	0.000562	1.89E-08
1081	482029.67	3852341.07	0.04398	0.03914	0.03976	0.03137	8.02E-05	3.3E-06	0.00021	3.3E-08	0.00029	9.82E-05	4.08141E-06	0.000258	1.87E-08	3.61E-04	8.66E-05	3.14E-06	0.000556	1.93E-08
1082	482079.67	3852341.07	0.04432	0.03912	0.04022	0.03182	8.08E-05	3.3E-06	0.00021	3.4E-08	0.0003	9.90E-05	4.07932E-06	0.000261	1.9E-08	3.64E-04	8.73E-05	3.14E-06	0.000563	1.96E-08
1083	482129.67	3852341.07	0.04454	0.03901	0.04055	0.03211	8.12E-05	3.3E-06	0.00022	3.4E-08	0.0003	9.95E-05	4.06785E-06	0.000263	1.92E-08	3.67E-04	8.77E-05	3.13E-06	0.000567	1.98E-08
1084	482179.67	3852341.07	0.0447	0.03894	0.04081	0.03212	8.15E-05	3.3E-06	0.00022	3.4E-08	0.0003	9.98E-05	4.06055E-06	0.000265	1.92E-08	3.69E-04	8.8E-05	3.12E-06	0.000571	1.98E-08
1085	482259.06	3852400.14	0.04572	0.03957	0.04162	0.03323	8.33E-05	3.4E-06	0.00022	3.5E-08	0.00031	1.02E-04	4.12625E-06	0.00027	1.98E-08	3.77E-04	9E-05	3.17E-06	0.000582	2.05E-08
1086	482309.06	3852400.14	0.04595	0.0398	0.04196	0.03263	8.38E-05	3.4E-06	0.00022	3.5E-08	0.00031	1.03E-04	4.15023E-06	0.000273	1.95E-08	3.79E-04	9.05E-05	3.19E-06	0.000587	2.01E-08
1087	482209.06	3852450.14	0.04662	0.04072	0.04203	0.03366	8.50E-05	3.5E-06	0.00022	3.6E-08	0.00031	1.04E-04	4.24617E-06	0.000273	2.01E-08	3.81E-04	9.18E-05	3.27E-06	0.000588	2.08E-08
1088	482259.06	3852450.14	0.04682	0.04066	0.04237	0.03388	8.53E-05	3.5E-06	0.00023	3.6E-08	0.00031	1.05E-04	4.23991E-06	0.000275	2.02E-08	3.84E-04	9.22E-05	3.26E-06	0.000593	2.09E-08
1089	482309.06	3852450.14	0.04713	0.0408	0.04275	0.03366	8.59E-05	3.5E-06	0.00023	3.6E-08	0.00032	1.05E-04	4.25451E-06	0.000278	2.01E-08	3.87E-04	9.28E-05	3.27E-06	0.000598	2.08E-08
1090	482209.06	3852500.14	0.04762	0.0418	0.04255	0.03391	8.68E-05	3.6E-06	0.00023	3.6E-08	0.00032	1.06E-04	4.35879E-06	0.000276	2.02E-08	3.87E-04	9.38E-05	3.35E-06	0.000595	2.09E-08
1091	482259.06	3852500.14	0.04793	0.0418	0.04304	0.03434	8.74E-05	3.6E-06	0.00023	3.7E-08	0.00032	1.07E-04	4.35879E-06	0.00028	2.05E-08	3.91E-04	9.44E-05	3.35E-06	0.000602	2.12E-08
1092	482309.06	3852500.14	0.04822	0.04185	0.04347	0.03447	8.79E-05	3.6E-06	0.00023	3.7E-08	0.00032	1.08E-04	4.364E-06	0.000282	2.06E-08	3.94E-04	9.5E-05	3.36E-06	0.000608	2.13E-08
1093	482283.91	3852513.62	0.04834	0.04208	0.04341	0.03459	8.81E-05	3.6E-06	0.00023	3.7E-08	0.00032	1.08E-04	4.38798E-06	0.000282	2.06E-08	3.94E-04	9.52E-05	3.38E-06	0.000607	2.13E-08
1094	482333.91	3852513.62	0.04857	0.04207	0.04376	0.03468	8.85E-05	3.6E-06	0.00023	3.7E-08	0.00032	1.08E-04	4.38694E-06	0.000284	2.07E-08	3.97E-04	9.57E-05	3.37E-06	0.000612	2.14E-08

1095	482283.91	3852563.62	0.04934	0.0431	0.04389	0.03496	8.99E-05	3.7E-06	0.00023	3.7E-08	0.00033	1.10E-04	4.49435E-06	0.000285	2.09E-08	4.00E-04	9.72E-05	3.46E-06	0.000614	2.16E-08
1096	482333.91	3852563.62	0.04958	0.04304	0.04434	0.03537	9.04E-05	3.7E-06	0.00024	3.8E-08	0.00033	1.11E-04	4.48809E-06	0.000288	2.11E-08	4.03E-04	9.76E-05	3.45E-06	0.00062	2.18E-08
1097	482383.91	3852563.62	0.04974	0.04292	0.04462	0.03555	9.07E-05	3.7E-06	0.00024	3.8E-08	0.00033	1.11E-04	4.47558E-06	0.00029	2.12E-08	4.05E-04	9.8E-05	3.44E-06	0.000624	2.19E-08
1098	482283.91	3852613.62	0.05057	0.0444	0.04446	0.03503	9.22E-05	3.8E-06	0.00024	3.7E-08	0.00033	1.13E-04	4.62991E-06	0.000289	2.09E-08	4.06E-04	9.96E-05	3.56E-06	0.000622	2.16E-08
1099	482333.91	3852613.62	0.05074	0.04422	0.04493	0.03572	9.25E-05	3.8E-06	0.00024	3.8E-08	0.00034	1.13E-04	4.61114E-06	0.000292	2.13E-08	4.10E-04	9.99E-05	3.55E-06	0.000629	2.2E-08
1100	482383.91	3852613.62	0.05087	0.04402	0.04528	0.03618	9.27E-05	3.7E-06	0.00024	3.9E-08	0.00034	1.14E-04	4.59028E-06	0.000294	2.16E-08	4.12E-04	0.0001	3.53E-06	0.000633	2.23E-08
1101	482602.38	3852600.87	0.05196	0.04392	0.04587	0.03417	9.47E-05	3.7E-06	0.00024	3.6E-08	0.00034	1.16E-04	4.57985E-06	0.000298	2.04E-08	4.19E-04	0.000102	3.52E-06	0.000642	2.11E-08
1102	482652.38	3852600.87	0.05205	0.04388	0.04571	0.03338	9.49E-05	3.7E-06	0.00024	3.6E-08	0.00034	1.16E-04	4.57568E-06	0.000297	1.99E-08	4.18E-04	0.000103	3.52E-06	0.000639	2.06E-08
1103	482702.38	3852600.87	0.05171	0.04407	0.04564	0.03177	9.43E-05	3.8E-06	0.00024	3.4E-08	0.00034	1.16E-04	4.5955E-06	0.000296	1.9E-08	4.17E-04	0.000102	3.54E-06	0.000638	1.96E-08
1104	482552.38	3852650.87	0.05323	0.04504	0.04692	0.03637	9.70E-05	3.8E-06	0.00025	3.9E-08	0.00035	1.19E-04	4.69664E-06	0.000305	2.17E-08	4.28E-04	0.000105	3.61E-06	0.000656	2.24E-08
1105	482602.38	3852650.87	0.05352	0.04505	0.04697	0.0358	9.76E-05	3.8E-06	0.00025	3.8E-08	0.00035	1.20E-04	4.69769E-06	0.000305	2.14E-08	4.29E-04	0.000105	3.61E-06	0.000657	2.21E-08
1106	482652.38	3852650.87	0.05375	0.04497	0.04685	0.03516	9.80E-05	3.8E-06	0.00025	3.8E-08	0.00035	1.20E-04	4.68934E-06	0.000304	2.1E-08	4.29E-04	0.000106	3.61E-06	0.000655	2.17E-08
1107	482702.38	3852650.87	0.05384	0.0449	0.04667	0.03438	9.81E-05	3.8E-06	0.00025	3.7E-08	0.00035	1.20E-04	4.68205E-06	0.000303	2.05E-08	4.28E-04	0.000106	3.6E-06	0.000653	2.12E-08
1108	482552.38	3852700.87	0.05465	0.04633	0.04793	0.03749	9.96E-05	3.9E-06	0.00025	4E-08	0.00036	1.22E-04	4.83116E-06	0.000311	2.24E-08	4.38E-04	0.000108	3.72E-06	0.00067	2.31E-08
1109	482602.38	3852700.87	0.05504	0.04616	0.04797	0.03729	1.00E-04	3.9E-06	0.00025	4E-08	0.00036	1.23E-04	4.81343E-06	0.000312	2.23E-08	4.39E-04	0.000108	3.7E-06	0.000671	2.3E-08
1110	482652.38	3852700.87	0.05516	0.04574	0.0477	0.03714	1.01E-04	3.9E-06	0.00025	4E-08	0.00036	1.23E-04	4.76964E-06	0.00031	2.22E-08	4.38E-04	0.000109	3.67E-06	0.000667	2.29E-08
1111	482702.38	3852700.87	0.05555	0.04582	0.04769	0.03641	1.01E-04	3.9E-06	0.00025	3.9E-08	0.00036	1.24E-04	4.77798E-06	0.00031	2.17E-08	4.39E-04	0.000109	3.68E-06	0.000667	2.24E-08
1112	482452.38	3852750.87	0.05508	0.04775	0.04789	0.03768	1.00E-04	4.1E-06	0.00025	4E-08	0.00036	1.23E-04	4.97924E-06	0.000311	2.25E-08	4.39E-04	0.000108	3.83E-06	0.00067	2.32E-08
1113	482521.29	3852749.74	0.05562	0.0476	0.04856	0.03831	1.01E-04	4.1E-06	0.00026	4.1E-08	0.00036	1.24E-04	4.96359E-06	0.000315	2.29E-08	4.45E-04	0.00011	3.82E-06	0.000679	2.36E-08
1114	482571.29	3852749.74	0.05612	0.04746	0.04884	0.03847	1.02E-04	4E-06	0.00026	4.1E-08	0.00037	1.25E-04	4.94899E-06	0.000317	2.3E-08	4.48E-04	0.000111	3.81E-06	0.000683	2.37E-08
1115	482521.29	3852799.74	0.05697	0.04893	0.04923	0.0388	1.04E-04	4.2E-06	0.00026	4.1E-08	0.00037	1.27E-04	5.10228E-06	0.00032	2.32E-08	4.52E-04	0.000112	3.93E-06	0.000689	2.39E-08
1116	482571.29	3852799.74	0.0575	0.04878	0.04965	0.03926	1.05E-04	4.2E-06	0.00026	4.2E-08	0.00037	1.28E-04	5.08664E-06	0.000322	2.34E-08	4.56E-04	0.000113	3.91E-06	0.000695	2.42E-08
1117	482621.29	3852799.74	0.05814	0.04865	0.04995	0.03942	1.06E-04	4.1E-06	0.00027	4.2E-08	0.00038	1.30E-04	5.07308E-06	0.000324	2.35E-08	4.59E-04	0.000115	3.9E-06	0.000699	2.43E-08
1118	482571.29	3852849.74	0.05912	0.05038	0.05052	0.0397	1.08E-04	4.3E-06	0.00027	4.2E-08	0.00038	1.32E-04	5.25348E-06	0.000328	2.37E-08	4.65E-04	0.000116	4.04E-06	0.000707	2.45E-08
1119	482621.29	3852849.74	0.05991	0.05033	0.05103	0.04011	1.09E-04	4.3E-06	0.00027	4.3E-08	0.00038	1.34E-04	5.24827E-06	0.000331	2.39E-08	4.71E-04	0.000118	4.04E-06	0.000714	2.47E-08
1120	482577.42	3852901.55	0.06108	0.0522	0.05144	0.03996	1.11E-04	4.4E-06	0.00027	4.3E-08	0.00039	1.36E-04	5.44327E-06	0.000334	2.38E-08	4.76E-04	0.00012	4.19E-06	0.00072	2.46E-08
1121	482627.42	3852901.55	0.06199	0.05221	0.05215	0.04061	1.13E-04	4.4E-06	0.00028	4.3E-08	0.00039	1.38E-04	5.44431E-06	0.000339	2.42E-08	4.83E-04	0.000122	4.19E-06	0.00073	2.5E-08
1122	482629.96	3852955.85	0.06407	0.05412	0.05303	0.04092	1.17E-04	4.6E-06	0.00028	4.4E-08	0.0004	1.43E-04	5.64348E-06	0.000344	2.44E-08	4.93E-04	0.000126	4.34E-06	0.000742	2.52E-08
1123	482679.96	3852955.85	0.06514	0.05409	0.05374	0.0416	1.19E-04	4.6E-06	0.00029	4.4E-08	0.00041	1.46E-04	5.64035E-06	0.000349	2.48E-08	5.00E-04	0.000128	4.34E-06	0.000752	2.56E-08
1124	482781.63	3853034.48	0.07087	0.05718	0.05662	0.04321	1.29E-04	4.9E-06	0.0003	4.6E-08	0.00043	1.58E-04	5.96257E-06	0.000368	2.58E-08	5.32E-04	0.00014	4.59E-06	0.000792	2.66E-08
1125	482831.63	3853034.48	0.07127	0.05717	0.05711	0.0433	1.30E-04	4.9E-06	0.0003	4.6E-08	0.00044	1.59E-04	5.96153E-06	0.000371	2.58E-08	5.36E-04	0.00014	4.59E-06	0.000799	2.67E-08
1126	482881.63	3853034.48	0.07128	0.05712	0.05736	0.0431	1.30E-04	4.9E-06	0.0003	4.6E-08	0.00044	1.59E-04	5.95631E-06	0.000373	2.57E-08	5.38E-04	0.00014	4.58E-06	0.000802	2.66E-08
1127	482781.63	3853084.48	0.07368	0.05922	0.05763	0.04373	1.34E-04	5E-06	0.00031	4.7E-08	0.00045	1.65E-04	6.17529E-06	0.000374	2.61E-08	5.45E-04	0.000145	4.75E-06	0.000806	2.7E-08
1128	482831.63	3853084.48	0.07426	0.05926	0.05836	0.04417	1.35E-04	5E-06	0.00031	4.7E-08	0.00045	1.66E-04	6.17947E-06	0.000379	2.64E-08	5.51E-04	0.000146	4.75E-06	0.000816	2.72E-08
1129	482881.63	3853084.48	0.07433	0.05918	0.05879	0.0443	1.35E-04	5E-06	0.00031	4.7E-08	0.00045	1.66E-04	6.17112E-06	0.000382	2.64E-08	5.54E-04	0.000146	4.75E-06	0.000822	2.73E-08
1130	482781.63	3853134.48	0.07667	0.06125	0.0584	0.04398	1.40E-04	5.2E-06	0.00031	4.7E-08	0.00046	1.71E-04	6.38698E-06	0.000379	2.62E-08	5.57E-04	0.000151	4.91E-06	0.000817	2.71E-08
1131	482831.63	3853134.48	0.07741	0.06133	0.05936	0.04481	1.41E-04	5.2E-06	0.00032	4.8E-08	0.00046	1.73E-04	6.39532E-06	0.000386	2.67E-08	5.65E-04	0.000152	4.92E-06	0.00083	2.76E-08
1132	482881.63	3853134.48	0.0775	0.06117	0.05997	0.04537	1.41E-04	5.2E-06	0.00032	4.8E-08	0.00047	1.73E-04	6.37863E-06	0.00039	2.71E-08	5.69E-04	0.000153	4.91E-06	0.000839	2.8E-08
1133	482831.63	3853184.48	0.08094	0.06348	0.06018	0.0451	1.48E-04	5.4E-06	0.00032	4.8E-08	0.00047	1.81E-04	6.61951E-06	0.000391	2.69E-08	5.78E-04	0.000159	5.09E-06	0.000842	2.78E-08
1134	482881.63	3853184.48	0.08108	0.06334	0.06103	0.04606	1.48E-04	5.4E-06	0.00032	4.9E-08	0.00048	1.81E-04	6.60492E-06	0.000396	2.75E-08	5.84E-04	0.00016	5.08E-06	0.000854	2.84E-08
1135	484154.84	3854250.98	0.28547	0.18144	0.14046	0.04413	5.20E-04	1.5E-05	0.00075	4.7E-08	0.00128	6.38E-04	1.89201E-05	0.000912	2.63E-08	1.57E-03	0.000562	1.46E-05	0.001965	2.72E-08
1136	484204.84	3854250.98	0.27704	0.17624	0.13713	0.04286	5.05E-04	1.5E-05	0.00073	4.6E-08	0.00125	6.19E-04	1.83778E-05	0.000891	2.56E-08	1.53E-03	0.000546	1.41E-05	0.001918	2.64E-08
1137	484154.84	3854300.98	0.29617	0.18867	0.14554	0.04384	5.40E-04	1.6E-05	0.00077	4.7E-08	0.00133	6.62E-04	1.9674E-05	0.000945	2.62E-08	1.63E-03	0.000583	1.51E-05	0.002036	2.7E-08
1138	484204.84	3854300.98	0.29152	0.18562	0.14331	0.04331	5.31E-04	1.6E-05	0.00076	4.6E-08	0.00131	6.51E-04	1.93559E-05	0.000931	2.58E-08	1.60E-03	0.000574	1.49E-05	0.002005	2.67E-08
1139	484074.19	3854519.8	0.47684	0.32456	0.19275	0.04668	8.69E-04	2.8E-05	0.00102	5E-08	0.00192	1.07E-03	3.38442E-05	0.001252	2.79E-08	2.35E-03	0.000939	2.6E-05	0.002696	2.88E-08
1140	484124.19	3854519.8	0.45349	0.3011	0.18779	0.04637	8.27E-04	2.6E-05	0.001	4.9E-08	0.00185	1.01E-03	3.13979E-05	0.00122	2.77E-08	2.26E-03	0.000893	2.42E-05	0.002627	2.86E-08
1141	484074.19	3854569.8	0.56872	0.38264	0.20661	0.04792	1.04E-03	3.3E-05	0.0011	5.1E-08	0.00217	1.27E-03	3.99006E-05	0.001342	2.86E-08	2.65E-03	0.00112	3.07E-05	0.00289	2.95E-08
1142	484124.19	3854569.8	0.53111	0.35112	0.19878	0.04705	9.68E-04	3E-05	0.00106	5E-08	0.00205	1.19E-03	3.66138E-05	0.001291	2.81E-08	2.51E-03	0.001046	2.82E-05	0.002781	2.9E-08
1143	485205.11	3855188.89	2.13313	2.45703	2.48129	0.53322	3.89E-03	0.00021	0.01318	5.7E-07	0.01728	4.76E-03	0.000256212	0.016117	3.18E-07	2.11E-02	0.004201	0.000197	0.034711	3.29E-07
1144	485255.11	3855188.89	1.90504	2.24574	2.20956	0.49449	3.47E-03	0.00019	0.01174	5.3E-07	0.0154	4.26E-03	0.000234179	0.014352	2.95E-07	1.88E-02	0.003752	0.00018	0.03091	3.05E-07
1145	485205.11	3855238.89	2.36169	2.14752	2.81006	0.75336	4.30E-03	0.00018	0.01493	8E-07	0.01942	5.28E-03	0.000223937	0.018252	4.5E-07	2.38E-02	0.004651	0.000172	0.03931	4.64E-07
1146	485255.11	3855238.89	2.12741	2.01655	2.53376	0.68611	3.88E-03	0.00017	0.01346	7.3E-07	0.01751	4.75E-03	0.00021028	0.016458	4.09E-07	2.14E-02	0.00419	0.000162	0.035445	4.23E-07
1147	485205.11	3855288.89	2.91052	1.93882	3.47997	1.04108	5.31E-03	0.00016	0.01849	1.1E-06	0.02396	6.50E-03	0.000202175	0.022603	6.21E-07	2.93E-02	0.005732	0.000156	0.048681	6.42E-07
1148	485255.11	3855288.89	2.51446	1.81883	3.03043	0.93206	4.58E-03	0.00015	0.0161	9.9E-07	0.02084	5.62E-03	0.000189662	0.019684	5.56E-07	2.55E-02	0.004952	0.000146	0.042393	5.75E-07
1149	485255.11	3855338.89	3.03239	1.61329	3.67313	1.23178	5.53E-03	0.00014	0.01952	1.3E-06	0.02518	6.77E-03	0.000168229	0.023858	7.35E-07	3.08E-02	0.005972	0.000129	0.051383	7.59E-07
1150	485305.11	3855338.89	2.61536	1.53201	3.1932	1.07902	4.77E-03	0.00013	0.01697	1.2E-06	0.02186	5.84E-03	0.000159754	0.020741	6.44E-07	2.67E-02	0.005151	0.000123	0.04467	6.65E-07
1151	485852.5	3855635.28	1.83309	0.61329	2.39075	1.03847	3.34E-03	5.2E-05	0.0127	1.1E-06	0.0161	4.09E-03	6.39521E-05	0.015529	6.2E-07	1.97E-02	0.00361	4.92E-05	0.033444	6.4E-07
1152	485902.5	3855635.28	1.68777	0.59704	2.20149	0.96175	3.08E-03	5.1E-05	0.0117	1E-06	0.01483	3.77E-03	6.22576E-05	0.014299	5.74E-07	1.81E-02	0.003324	4.79E-05	0.030797	5.93E-07
1153	485852.5	3855685.28	2.00778	0.5773	2.6263	1.15085	3.66E-03	4.9E-05	0.01395	1.2E-06	0.01766	4.48E-03	6.01992E-05	0.017059	6.87E-07	2.16E-02	0.003954	4.63E-05	0.036739	7.1E-07
1154	485902.5	3855685.28	1.83198	0.55724	2.40207	1.06011	3.34E-03	4.7E-05	0.01276	1.1E-06	0.01615	4.09E-03	5.81074E-05	0.015602	6.33E-07	1.98E-02	0.003608	4.47E-05	0.033603	6.54E-07
1155	485852.5	3855735.28	2.22084	0.53608	2.90688	1.27904	4.05E-03	4.6E-05	0.01544	1.4E-06	0.01954	4.96E-03	5.59009E-05	0.018881	7.63E-07	2.39E-02	0.004374	4.3E-05	0.040664	7.89E-07

1156	485902.5	3855735.28	2.02066	0.52816	2.65595	1.17915	3.68E-03	4.5E-05	0.01411	1.3E-06	0.01784	4.51E-03	5.5075E-05	0.017251	7.04E-07	2.18E-02	0.00398	4.24E-05	0.037154	7.27E-07
1157	485852.5	3855785.28	2.53427	0.49862	3.28385	1.44199	4.62E-03	4.2E-05	0.01745	1.5E-06	0.02211	5.66E-03	5.19947E-05	0.02133	8.61E-07	2.70E-02	0.004991	4E-05	0.045938	8.89E-07
1158	485902.5	3855785.28	2.22981	0.49284	2.92863	1.30265	4.06E-03	4.2E-05	0.01556	1.4E-06	0.01967	4.98E-03	5.1392E-05	0.019022	7.77E-07	2.41E-02	0.004392	3.95E-05	0.040969	8.03E-07
1159	486809.46	3856465.28	1.9828	0.3092	2.67938	1.20594	3.61E-03	2.6E-05	0.01424	1.3E-06	0.01788	4.43E-03	3.22425E-05	0.017403	7.2E-07	2.19E-02	0.003905	2.48E-05	0.037482	7.44E-07
1160	486859.46	3856465.28	1.85553	0.3089	2.51053	1.15655	3.38E-03	2.6E-05	0.01334	1.2E-06	0.01675	4.14E-03	3.22112E-05	0.016307	6.9E-07	2.05E-02	0.003654	2.48E-05	0.03512	7.13E-07
1161	486909.46	3856465.28	1.74424	0.30923	2.36126	1.10954	3.18E-03	2.6E-05	0.01255	1.2E-06	0.01575	3.90E-03	3.22456E-05	0.015337	6.62E-07	1.93E-02	0.003435	2.48E-05	0.033032	6.84E-07
1162	486809.46	3856515.28	2.17114	0.32227	2.92527	1.29669	3.96E-03	2.7E-05	0.01554	1.4E-06	0.01953	4.85E-03	3.36054E-05	0.019	7.74E-07	2.39E-02	0.004276	2.59E-05	0.040922	8E-07
1163	486859.46	3856515.28	2.01397	0.32145	2.72091	1.24183	3.67E-03	2.7E-05	0.01446	1.3E-06	0.01816	4.50E-03	3.35199E-05	0.017673	7.41E-07	2.22E-02	0.003966	2.58E-05	0.038063	7.66E-07
1164	486909.46	3856515.28	1.88129	0.32138	2.54471	1.19019	3.43E-03	2.7E-05	0.01352	1.3E-06	0.01698	4.20E-03	3.35126E-05	0.016529	7.1E-07	2.08E-02	0.003705	2.58E-05	0.035598	7.34E-07
1165	486980.94	3856357.95	1.40904	0.29676	1.90542	0.9346	2.57E-03	2.5E-05	0.01012	1E-06	0.01272	3.15E-03	3.09453E-05	0.012376	5.58E-07	1.56E-02	0.002775	2.38E-05	0.026655	5.76E-07
1166	487030.94	3856357.95	1.34907	0.29483	1.82299	0.90836	2.46E-03	2.5E-05	0.00969	9.7E-07	0.01217	3.01E-03	3.0744E-05	0.011841	5.42E-07	1.49E-02	0.002657	2.37E-05	0.025502	5.6E-07
1167	486980.94	3856407.95	1.49794	0.30164	2.02763	0.99071	2.73E-03	2.6E-05	0.01077	1.1E-06	0.01353	3.35E-03	3.14542E-05	0.01317	5.91E-07	1.65E-02	0.00295	2.42E-05	0.028365	6.11E-07
1168	487030.94	3856407.95	1.42845	0.29984	1.9327	0.96019	2.60E-03	2.6E-05	0.01027	1E-06	0.0129	3.19E-03	3.12665E-05	0.012553	5.73E-07	1.58E-02	0.002813	2.41E-05	0.027037	5.92E-07
1169	487447.18	3856437.45	1.06433	0.27937	1.42806	0.81403	1.94E-03	2.4E-05	0.00759	8.7E-07	0.00955	2.38E-03	2.91319E-05	0.009276	4.86E-07	1.17E-02	0.002096	2.24E-05	0.019977	5.02E-07
1170	487497.18	3856437.45	1.02961	0.28119	1.37994	0.79935	1.88E-03	2.4E-05	0.00733	8.5E-07	0.00923	2.30E-03	2.93217E-05	0.008963	4.77E-07	1.13E-02	0.002028	2.26E-05	0.019304	4.93E-07
1171	487547.18	3856437.45	0.99724	0.28445	1.3346	0.78649	1.82E-03	2.4E-05	0.00709	8.4E-07	0.00893	2.23E-03	2.96616E-05	0.008669	4.69E-07	1.09E-02	0.001964	2.28E-05	0.01867	4.85E-07
1172	487447.18	3856487.45	1.10692	0.29115	1.48723	0.85415	2.02E-03	2.5E-05	0.0079	9.1E-07	0.00995	2.47E-03	3.03603E-05	0.00966	5.1E-07	1.22E-02	0.00218	2.34E-05	0.020805	5.27E-07
1173	487497.18	3856487.45	1.0688	0.29432	1.43464	0.83728	1.95E-03	2.5E-05	0.00762	8.9E-07	0.0096	2.39E-03	3.06909E-05	0.009318	5E-07	1.17E-02	0.002105	2.36E-05	0.020069	5.16E-07
1174	487547.18	3856487.45	1.03307	0.30282	1.38528	0.82359	1.88E-03	2.6E-05	0.00736	8.8E-07	0.00927	2.31E-03	3.15772E-05	0.008998	4.92E-07	1.13E-02	0.002035	2.43E-05	0.019379	5.08E-07
1175	487447.18	3856537.45	1.15084	0.312	1.54951	0.89658	2.10E-03	2.7E-05	0.00823	9.6E-07	0.01036	2.57E-03	3.25345E-05	0.010065	5.35E-07	1.27E-02	0.002267	2.5E-05	0.021676	5.53E-07
1176	487497.18	3856537.45	1.10922	0.31628	1.49194	0.87724	2.02E-03	2.7E-05	0.00793	9.4E-07	0.00998	2.48E-03	3.29808E-05	0.009691	5.24E-07	1.22E-02	0.002185	2.54E-05	0.020871	5.41E-07
1177	487547.18	3856537.45	1.07046	0.32146	1.43814	0.86363	1.95E-03	2.7E-05	0.00764	9.2E-07	0.00962	2.39E-03	3.35209E-05	0.009341	5.15E-07	1.18E-02	0.002108	2.58E-05	0.020118	5.32E-07
1178	489285.89	3858826.54	0.40165	0.1577	0.10995	0.21159	7.32E-04	1.3E-05	0.00058	2.3E-07	0.00133	8.97E-04	1.64445E-05	0.000714	1.26E-07	1.63E-03	0.000791	1.27E-05	0.001538	1.3E-07
1179	489335.89	3858826.54	0.37438	0.15797	0.10943	0.21184	6.82E-04	1.3E-05	0.00058	2.3E-07	0.00128	8.36E-04	1.64727E-05	0.000711	1.26E-07	1.56E-03	0.000737	1.27E-05	0.001531	1.31E-07
1180	489385.89	3858826.54	0.35156	0.15861	0.10912	0.21223	6.41E-04	1.3E-05	0.00058	2.3E-07	0.00123	7.85E-04	1.65394E-05	0.000709	1.27E-07	1.51E-03	0.000692	1.27E-05	0.001526	1.31E-07
1181	489435.89	3858826.54	0.33247	0.15935	0.1089	0.21274	6.06E-04	1.4E-05	0.00058	2.3E-07	0.0012	7.43E-04	1.66166E-05	0.000707	1.27E-07	1.47E-03	0.000655	1.28E-05	0.001523	1.31E-07
1182	489485.89	3858826.54	0.31635	0.16022	0.10879	0.21243	5.77E-04	1.4E-05	0.00058	2.3E-07	0.00117	7.07E-04	1.67073E-05	0.000707	1.27E-07	1.43E-03	0.000623	1.29E-05	0.001522	1.31E-07
1183	489535.89	3858826.54	0.30245	0.16122	0.10882	0.2129	5.51E-04	1.4E-05	0.00058	2.3E-07	0.00114	6.76E-04	1.68116E-05	0.000707	1.27E-07	1.40E-03	0.000596	1.29E-05	0.001522	1.31E-07
1184	489585.89	3858826.54	0.29039	0.16226	0.10896	0.2133	5.29E-04	1.4E-05	0.00058	2.3E-07	0.00112	6.49E-04	1.692E-05	0.000708	1.27E-07	1.37E-03	0.000572	1.3E-05	0.001524	1.32E-07
1185	489635.89	3858826.54	0.27976	0.16339	0.10925	0.21352	5.10E-04	1.4E-05	0.00058	2.3E-07	0.0011	6.25E-04	1.70378E-05	0.00071	1.27E-07	1.35E-03	0.000551	1.31E-05	0.001528	1.32E-07
1186	489685.89	3858826.54	0.27019	0.16453	0.10965	0.21356	4.93E-04	1.4E-05	0.00058	2.3E-07	0.00109	6.04E-04	1.71567E-05	0.000712	1.27E-07	1.33E-03	0.000532	1.32E-05	0.001534	1.32E-07
1187	489735.89	3858826.54	0.26155	0.16561	0.11012	0.21343	4.77E-04	1.4E-05	0.00059	2.3E-07	0.00108	5.84E-04	1.72693E-05	0.000715	1.27E-07	1.32E-03	0.000515	1.33E-05	0.00154	1.32E-07
1188	489785.89	3858826.54	0.2538	0.16647	0.1106	0.21324	4.63E-04	1.4E-05	0.00059	2.3E-07	0.00106	5.67E-04	1.7359E-05	0.000718	1.27E-07	1.30E-03	0.0005	1.34E-05	0.001547	1.31E-07
1189	489835.89	3858826.54	0.24671	0.16736	0.1112	0.21276	4.50E-04	1.4E-05	0.00059	2.3E-07	0.00106	5.51E-04	1.74518E-05	0.000722	1.27E-07	1.29E-03	0.000486	1.34E-05	0.001556	1.31E-07
1190	489885.89	3858826.54	0.2403	0.16793	0.11173	0.2123	4.38E-04	1.4E-05	0.00059	2.3E-07	0.00105	5.37E-04	1.75113E-05	0.000726	1.27E-07	1.28E-03	0.000473	1.35E-05	0.001563	1.31E-07
1191	489935.89	3858826.54	0.23441	0.16838	0.11228	0.21169	4.27E-04	1.4E-05	0.0006	2.3E-07	0.00104	5.24E-04	1.75582E-05	0.000729	1.26E-07	1.27E-03	0.000462	1.35E-05	0.001571	1.31E-07
1192	489985.89	3858826.54	0.22896	0.16872	0.11284	0.21092	4.17E-04	1.4E-05	0.0006	2.3E-07	0.00103	5.11E-04	1.75936E-05	0.000733	1.26E-07	1.26E-03	0.000451	1.35E-05	0.001579	1.3E-07
1193	490035.89	3858826.54	0.22388	0.16912	0.11348	0.20987	4.08E-04	1.4E-05	0.0006	2.2E-07	0.00103	5.00E-04	1.76354E-05	0.000737	1.25E-07	1.25E-03	0.000441	1.36E-05	0.001587	1.29E-07
1194	489285.89	3858876.54	0.36698	0.15014	0.1067	0.19841	6.69E-04	1.3E-05	0.00057	2.1E-07	0.00125	8.20E-04	1.56562E-05	0.000693	1.18E-07	1.53E-03	0.000723	1.2E-05	0.001493	1.22E-07
1195	489335.89	3858876.54	0.34407	0.15011	0.10608	0.19824	6.27E-04	1.3E-05	0.00056	2.1E-07	0.0012	7.69E-04	1.5653E-05	0.000689	1.18E-07	1.47E-03	0.000678	1.2E-05	0.001484	1.22E-07
1196	489385.89	3858876.54	0.32494	0.15025	0.10555	0.19838	5.92E-04	1.3E-05	0.00056	2.1E-07	0.00117	7.26E-04	1.56676E-05	0.000686	1.18E-07	1.43E-03	0.00064	1.21E-05	0.001477	1.22E-07
1197	489435.89	3858876.54	0.30867	0.15063	0.10515	0.19873	5.63E-04	1.3E-05	0.00056	2.1E-07	0.00113	6.89E-04	1.57073E-05	0.000683	1.19E-07	1.39E-03	0.000608	1.21E-05	0.001471	1.23E-07
1198	489485.89	3858876.54	0.29462	0.15121	0.10487	0.19923	5.37E-04	1.3E-05	0.00056	2.1E-07	0.00111	6.58E-04	1.57678E-05	0.000681	1.19E-07	1.36E-03	0.00058	1.21E-05	0.001467	1.23E-07
1199	489535.89	3858876.54	0.28246	0.15198	0.10472	0.19979	5.15E-04	1.3E-05	0.00056	2.1E-07	0.00108	6.31E-04	1.5848E-05	0.00068	1.19E-07	1.33E-03	0.000556	1.22E-05	0.001465	1.23E-07
1200	489585.89	3858876.54	0.27187	0.15297	0.10475	0.19948	4.96E-04	1.3E-05	0.00056	2.1E-07	0.00107	6.07E-04	1.59513E-05	0.00068	1.19E-07	1.30E-03	0.000535	1.23E-05	0.001465	1.23E-07
1201	489635.89	3858876.54	0.26265	0.1539	0.10481	0.20001	4.79E-04	1.3E-05	0.00056	2.1E-07	0.00105	5.87E-04	1.60483E-05	0.000681	1.19E-07	1.28E-03	0.000517	1.23E-05	0.001466	1.23E-07
1202	489685.89	3858876.54	0.25435	0.15496	0.10503	0.2004	4.64E-04	1.3E-05	0.00056	2.1E-07	0.00104	5.68E-04	1.61588E-05	0.000682	1.2E-07	1.27E-03	0.000501	1.24E-05	0.001469	1.24E-07
1203	489735.89	3858876.54	0.24681	0.15608	0.10537	0.20061	4.50E-04	1.3E-05	0.00056	2.1E-07	0.00102	5.51E-04	1.62756E-05	0.000684	1.2E-07	1.25E-03	0.000486	1.25E-05	0.001474	1.24E-07
1204	489785.89	3858876.54	0.24	0.15702	0.10571	0.20079	4.37E-04	1.3E-05	0.00056	2.1E-07	0.00101	5.36E-04	1.63736E-05	0.000687	1.2E-07	1.24E-03	0.000473	1.26E-05	0.001479	1.24E-07
1205	489835.89	3858876.54	0.23375	0.15802	0.10619	0.20073	4.26E-04	1.3E-05	0.00056	2.1E-07	0.001	5.22E-04	1.64779E-05	0.00069	1.2E-07	1.23E-03	0.00046	1.27E-05	0.001485	1.24E-07
1206	489885.89	3858876.54	0.22809	0.15867	0.1066	0.20071	4.16E-04	1.4E-05	0.00057	2.1E-07	0.001	5.09E-04	1.65457E-05	0.000692	1.2E-07	1.22E-03	0.000449	1.27E-05	0.001491	1.24E-07
1207	489935.89	3858876.54	0.22282	0.1595	0.10717	0.20034	4.06E-04	1.4E-05	0.00057	2.1E-07	0.00099	4.98E-04	1.66322E-05	0.000696	1.2E-07	1.21E-03	0.000439	1.28E-05	0.001499	1.24E-07
1208	489985.89	3858876.54	0.21792	0.16024	0.1078	0.19978	3.97E-04	1.4E-05	0.00057	2.1E-07	0.00098	4.87E-04	1.67094E-05	0.0007	1.19E-07	1.20E-03	0.000429	1.29E-05	0.001508	1.23E-07
1209	490035.89	3858876.54	0.21339	0.16081	0.1084	0.19913	3.89E-04	1.4E-05	0.00058	2.1E-07	0.00098	4.77E-04	1.67688E-05	0.000704	1.19E-07	1.20E-03	0.00042	1.29E-05	0.001516	1.23E-07
1210	489285.89	3858926.54	0.32458	0.14351	0.1037	0.18737	5.92E-04	1.2E-05	0.00055	2E-07	0.00116	7.25E-04	1.49648E-05	0.000674	1.12E-07	1.41E-03	0.000639	1.15E-05	0.001451	1.16E-07
1211	489335.89	3858926.54	0.30824	0.1432	0.10302	0.18673	5.62E-04	1.2E-05	0.00055	2E-07	0.00112	6.89E-04	1.49325E-05	0.000669	1.11E-07	1.37E-03	0.000607	1.15E-05	0.001441	1.15E-07
1212	489385.89	3858926.54	0.29401	0.14313	0.10245	0.18642	5.36E-04	1.2E-05	0.00054	2E-07	0.00109	6.57E-04	1.49252E-05	0.000665	1.11E-07	1.34E-03	0.000579	1.15E-05	0.001433	1.15E-07
1213	489435.89	3858926.54	0.28159	0.14316	0.1019	0.18644	5.13E-04	1.2E-05	0.00054	2E-07	0.00107	6.29E-04	1.49283E-05	0.000662	1.11E-07	1.31E-03	0.000555	1.15E-05	0.001425	1.15E-07
1214	489485.89	3858926.54	0.27063	0.14342	0.10148	0.18669	4.93E-04	1.2E-05	0.00054	2E-07	0.00104	6.05E-04	1.49554E-05	0.000659	1.11E-07	1.28E-03	0.000533	1.15E-05	0.00142	1.15E-07
1215	489535.89	3858926.54	0.26085	0.14388	0.10117	0.18712	4.75E-04	1.2E-05	0.00054	2E-07	0.00103	5.83E-04	1.50034E-05	0.000657	1.12E-07	1.25E-03	0.000514	1.15E-05	0.001415	1.15E-07
1216	489585.89	3858926.54	0.25212	0.14453	0.10098	0.18765	4.60E-04	1.2E-05	0.00054	2E-07	0.00101	5.63E-04	1.50712E-05	0.000656	1.12E-07	1.23E-03	0.000497	1.16E-05	0.001413	1.16E-07

1217	489635.89	3858926.54	0.24437	0.14531	0.10091	0.18747	4.45E-04	1.2E-05	0.00054	2E-07	0.00099	5.46E-04	1.51525E-05	0.000655	1.12E-07	1.22E-03	0.000481	1.17E-05	0.001412	1.16E-07
1218	489685.89	3858926.54	0.23754	0.14627	0.10098	0.18798	4.33E-04	1.2E-05	0.00054	2E-07	0.00098	5.31E-04	1.52526E-05	0.000656	1.12E-07	1.20E-03	0.000468	1.17E-05	0.001413	1.16E-07
1219	489735.89	3858926.54	0.23128	0.14714	0.10108	0.18854	4.22E-04	1.3E-05	0.00054	2E-07	0.00097	5.17E-04	1.53433E-05	0.000657	1.13E-07	1.19E-03	0.000455	1.18E-05	0.001414	1.16E-07
1220	489785.89	3858926.54	0.22554	0.14802	0.10126	0.18903	4.11E-04	1.3E-05	0.00054	2E-07	0.00096	5.04E-04	1.54351E-05	0.000658	1.13E-07	1.18E-03	0.000444	1.19E-05	0.001417	1.17E-07
1221	489835.89	3858926.54	0.22026	0.14908	0.10161	0.18927	4.01E-04	1.3E-05	0.00054	2E-07	0.00095	4.92E-04	1.55456E-05	0.00066	1.13E-07	1.17E-03	0.000434	1.2E-05	0.001421	1.17E-07
1222	489885.89	3858926.54	0.21539	0.14994	0.10196	0.18949	3.93E-04	1.3E-05	0.00054	2E-07	0.00095	4.81E-04	1.56353E-05	0.000662	1.13E-07	1.16E-03	0.000424	1.2E-05	0.001426	1.17E-07
1223	489935.89	3858926.54	0.21086	0.15083	0.10242	0.18951	3.84E-04	1.3E-05	0.00054	2E-07	0.00094	4.71E-04	1.57281E-05	0.000665	1.13E-07	1.15E-03	0.000415	1.21E-05	0.001433	1.17E-07
1224	489985.89	3858926.54	0.20662	0.15179	0.10299	0.18927	3.77E-04	1.3E-05	0.00055	2E-07	0.00094	4.62E-04	1.58282E-05	0.000669	1.13E-07	1.15E-03	0.000407	1.22E-05	0.001441	1.17E-07
1225	490035.89	3858926.54	0.2026	0.15284	0.10369	0.1887	3.69E-04	1.3E-05	0.00055	2E-07	0.00093	4.53E-04	1.59377E-05	0.000673	1.13E-07	1.14E-03	0.000399	1.23E-05	0.001451	1.16E-07
1226	489335.89	3858976.54	0.27159	0.13723	0.10026	0.17708	4.95E-04	1.2E-05	0.00053	1.9E-07	0.00104	6.07E-04	1.431E-05	0.000651	1.06E-07	1.27E-03	0.000535	1.1E-05	0.001403	1.09E-07
1227	489385.89	3858976.54	0.26236	0.13694	0.09964	0.17632	4.78E-04	1.2E-05	0.00053	1.9E-07	0.00102	5.86E-04	1.42797E-05	0.000647	1.05E-07	1.25E-03	0.000517	1.1E-05	0.001394	1.09E-07
1228	489435.89	3858976.54	0.25387	0.1366	0.09896	0.17592	4.63E-04	1.2E-05	0.00053	1.9E-07	0.001	5.67E-04	1.42443E-05	0.000643	1.05E-07	1.22E-03	0.0005	1.1E-05	0.001384	1.08E-07
1229	489485.89	3858976.54	0.24603	0.13661	0.09845	0.17579	4.48E-04	1.2E-05	0.00052	1.9E-07	0.00098	5.50E-04	1.42453E-05	0.000639	1.05E-07	1.20E-03	0.000485	1.1E-05	0.001377	1.08E-07
1230	489535.89	3858976.54	0.23883	0.13684	0.09805	0.17592	4.35E-04	1.2E-05	0.00052	1.9E-07	0.00097	5.33E-04	1.42693E-05	0.000637	1.05E-07	1.18E-03	0.00047	1.1E-05	0.001372	1.08E-07
1231	489585.89	3858976.54	0.23222	0.13711	0.09768	0.17628	4.23E-04	1.2E-05	0.00052	1.9E-07	0.00095	5.19E-04	1.42974E-05	0.000634	1.05E-07	1.17E-03	0.000457	1.1E-05	0.001366	1.09E-07
1232	489635.89	3858976.54	0.22609	0.13764	0.09746	0.17675	4.12E-04	1.2E-05	0.00052	1.9E-07	0.00094	5.05E-04	1.43527E-05	0.000633	1.05E-07	1.15E-03	0.000445	1.1E-05	0.001363	1.09E-07
1233	489685.89	3858976.54	0.22043	0.13836	0.09737	0.17658	4.02E-04	1.2E-05	0.00052	1.9E-07	0.00093	4.92E-04	1.44278E-05	0.000632	1.05E-07	1.14E-03	0.000434	1.11E-05	0.001362	1.09E-07
1234	489735.89	3858976.54	0.21537	0.13909	0.09732	0.17719	3.93E-04	1.2E-05	0.00052	1.9E-07	0.00092	4.81E-04	1.45039E-05	0.000632	1.06E-07	1.13E-03	0.000424	1.12E-05	0.001361	1.09E-07
1235	489785.89	3858976.54	0.2107	0.1398	0.09732	0.17786	3.84E-04	1.2E-05	0.00052	1.9E-07	0.00091	4.71E-04	1.45779E-05	0.000632	1.06E-07	1.12E-03	0.000415	1.12E-05	0.001361	1.1E-07
1236	489835.89	3858976.54	0.20646	0.14063	0.09745	0.17842	3.76E-04	1.2E-05	0.00052	1.9E-07	0.00091	4.61E-04	1.46645E-05	0.000633	1.06E-07	1.11E-03	0.000407	1.13E-05	0.001363	1.1E-07
1237	489885.89	3858976.54	0.20253	0.14176	0.09781	0.17872	3.69E-04	1.2E-05	0.00052	1.9E-07	0.0009	4.52E-04	1.47823E-05	0.000635	1.07E-07	1.10E-03	0.000399	1.14E-05	0.001368	1.1E-07
1238	489935.89	3858976.54	0.19874	0.14277	0.09818	0.17896	3.62E-04	1.2E-05	0.00052	1.9E-07	0.0009	4.44E-04	1.48877E-05	0.000638	1.07E-07	1.10E-03	0.000391	1.15E-05	0.001373	1.1E-07
1239	489985.89	3858976.54	0.1952	0.1437	0.0986	0.17911	3.56E-04	1.2E-05	0.00052	1.9E-07	0.00089	4.36E-04	1.49846E-05	0.00064	1.07E-07	1.09E-03	0.000384	1.15E-05	0.001379	1.1E-07
1240	490035.89	3858976.54	0.19151	0.14555	0.09955	0.17822	3.49E-04	1.2E-05	0.00053	1.9E-07	0.00089	4.28E-04	1.51775E-05	0.000647	1.06E-07	1.09E-03	0.000377	1.17E-05	0.001393	1.1E-07
1241	489385.89	3859026.54	0.2327	0.1315	0.09705	0.16785	4.24E-04	1.1E-05	0.00052	1.8E-07	0.00095	5.20E-04	1.37124E-05	0.00063	1E-07	1.16E-03	0.000458	1.05E-05	0.001358	1.03E-07
1242	489435.89	3859026.54	0.22745	0.13106	0.09639	0.16701	4.15E-04	1.1E-05	0.00051	1.8E-07	0.00094	5.08E-04	1.36666E-05	0.000626	9.97E-08	1.15E-03	0.000448	1.05E-05	0.001348	1.03E-07
1243	489485.89	3859026.54	0.22234	0.13081	0.0958	0.16647	4.05E-04	1.1E-05	0.00051	1.8E-07	0.00093	4.97E-04	1.36405E-05	0.000622	9.94E-08	1.13E-03	0.000438	1.05E-05	0.00134	1.03E-07
1244	489535.89	3859026.54	0.21743	0.13067	0.09525	0.16624	3.96E-04	1.1E-05	0.00051	1.8E-07	0.00091	4.86E-04	1.36259E-05	0.000619	9.92E-08	1.12E-03	0.000428	1.05E-05	0.001332	1.02E-07
1245	489585.89	3859026.54	0.21274	0.13079	0.09484	0.16625	3.88E-04	1.1E-05	0.0005	1.8E-07	0.0009	4.75E-04	1.36384E-05	0.000616	9.92E-08	1.10E-03	0.000419	1.05E-05	0.001327	1.03E-07
1246	489635.89	3859026.54	0.20827	0.13098	0.09445	0.1665	3.80E-04	1.1E-05	0.0005	1.8E-07	0.00089	4.65E-04	1.36582E-05	0.000613	9.94E-08	1.09E-03	0.00041	1.05E-05	0.001321	1.03E-07
1247	489685.89	3859026.54	0.20404	0.13135	0.09418	0.16691	3.72E-04	1.1E-05	0.0005	1.8E-07	0.00088	4.56E-04	1.36968E-05	0.000612	9.96E-08	1.08E-03	0.000402	1.05E-05	0.001317	1.03E-07
1248	489735.89	3859026.54	0.20006	0.13179	0.09396	0.16745	3.65E-04	1.1E-05	0.0005	1.8E-07	0.00088	4.47E-04	1.37427E-05	0.00061	9.99E-08	1.07E-03	0.000394	1.06E-05	0.001314	1.03E-07
1249	489785.89	3859026.54	0.19636	0.13237	0.09384	0.16805	3.58E-04	1.1E-05	0.0005	1.8E-07	0.00087	4.39E-04	1.38032E-05	0.00061	1E-07	1.06E-03	0.000387	1.06E-05	0.001313	1.04E-07
1250	489835.89	3859026.54	0.1929	0.13328	0.09395	0.16797	3.52E-04	1.1E-05	0.0005	1.8E-07	0.00086	4.31E-04	1.38981E-05	0.00061	1E-07	1.06E-03	0.00038	1.07E-05	0.001314	1.04E-07
1251	489885.89	3859026.54	0.18975	0.13416	0.09408	0.16851	3.46E-04	1.1E-05	0.0005	1.8E-07	0.00086	4.24E-04	1.39898E-05	0.000611	1.01E-07	1.05E-03	0.000374	1.08E-05	0.001316	1.04E-07
1252	489935.89	3859026.54	0.18673	0.13516	0.09434	0.16893	3.40E-04	1.2E-05	0.0005	1.8E-07	0.00085	4.17E-04	1.40941E-05	0.000613	1.01E-07	1.04E-03	0.000368	1.08E-05	0.00132	1.04E-07
1253	489985.89	3859026.54	0.18383	0.13618	0.09468	0.16925	3.35E-04	1.2E-05	0.0005	1.8E-07	0.00085	4.11E-04	1.42005E-05	0.000615	1.01E-07	1.04E-03	0.000362	1.09E-05	0.001324	1.04E-07
1254	490035.89	3859026.54	0.18063	0.1382	0.09559	0.16848	3.29E-04	1.2E-05	0.00051	1.8E-07	0.00085	4.03E-04	1.44111E-05	0.000621	1.01E-07	1.04E-03	0.000356	1.11E-05	0.001337	1.04E-07
1255	489485.89	3859076.54	0.20083	0.12573	0.09339	0.15862	3.66E-04	1.1E-05	0.0005	1.7E-07	0.00087	4.49E-04	1.31108E-05	0.000607	9.47E-08	1.07E-03	0.000396	1.01E-05	0.001306	9.78E-08
1256	489535.89	3859076.54	0.19769	0.12543	0.09281	0.15798	3.60E-04	1.1E-05	0.00049	1.7E-07	0.00086	4.42E-04	1.30795E-05	0.000603	9.43E-08	1.06E-03	0.000389	1.01E-05	0.001298	9.74E-08
1257	489585.89	3859076.54	0.19456	0.12527	0.09229	0.15762	3.55E-04	1.1E-05	0.00049	1.7E-07	0.00086	4.35E-04	1.30628E-05	0.000599	9.41E-08	1.05E-03	0.000383	1E-05	0.001291	9.72E-08
1258	489635.89	3859076.54	0.19144	0.12512	0.09176	0.15756	3.49E-04	1.1E-05	0.00049	1.7E-07	0.00085	4.28E-04	1.30472E-05	0.000596	9.4E-08	1.04E-03	0.000377	1E-05	0.001284	9.71E-08
1259	489685.89	3859076.54	0.18841	0.12517	0.09133	0.15771	3.43E-04	1.1E-05	0.00049	1.7E-07	0.00084	4.21E-04	1.30524E-05	0.000593	9.41E-08	1.03E-03	0.000371	1E-05	0.001278	9.72E-08
1260	489735.89	3859076.54	0.18549	0.12539	0.09101	0.15805	3.38E-04	1.1E-05	0.00048	1.7E-07	0.00083	4.14E-04	1.30753E-05	0.000591	9.43E-08	1.02E-03	0.000365	1.01E-05	0.001273	9.74E-08
1261	489785.89	3859076.54	0.18268	0.12578	0.09078	0.15851	3.33E-04	1.1E-05	0.00048	1.7E-07	0.00083	4.08E-04	1.3116E-05	0.00059	9.46E-08	1.01E-03	0.00036	1.01E-05	0.00127	9.77E-08
1262	489835.89	3859076.54	0.17993	0.12641	0.09071	0.15904	3.28E-04	1.1E-05	0.00048	1.7E-07	0.00082	4.02E-04	1.31817E-05	0.000589	9.49E-08	1.00E-03	0.000354	1.01E-05	0.001269	9.81E-08
1263	489885.89	3859076.54	0.17731	0.12719	0.09075	0.15899	3.23E-04	1.1E-05	0.00048	1.7E-07	0.00082	3.96E-04	1.3263E-05	0.000589	9.49E-08	9.99E-04	0.000349	1.02E-05	0.00127	9.8E-08
1264	489935.89	3859076.54	0.17497	0.12798	0.09084	0.15955	3.19E-04	1.1E-05	0.00048	1.7E-07	0.00081	3.91E-04	1.33454E-05	0.00059	9.52E-08	9.94E-04	0.000345	1.03E-05	0.001271	9.84E-08
1265	489985.89	3859076.54	0.17273	0.129	0.09109	0.15996	3.15E-04	1.1E-05	0.00048	1.7E-07	0.00081	3.86E-04	1.34518E-05	0.000592	9.55E-08	9.91E-04	0.00034	1.03E-05	0.001274	9.86E-08
1266	490035.89	3859076.54	0.17024	0.1308	0.09179	0.15963	3.10E-04	1.1E-05	0.00049	1.7E-07	0.00081	3.80E-04	1.36395E-05	0.000596	9.53E-08	9.90E-04	0.000335	1.05E-05	0.001284	9.84E-08
1267	489585.89	3859126.54	0.17818	0.12037	0.08994	0.15032	3.25E-04	1E-05	0.00048	1.6E-07	0.00081	3.98E-04	1.25518E-05	0.000584	8.97E-08	9.95E-04	0.000351	9.66E-06	0.001258	9.27E-08
1268	489635.89	3859126.54	0.17609	0.12001	0.08933	0.14989	3.21E-04	1E-05	0.00047	1.6E-07	0.00081	3.93E-04	1.25143E-05	0.00058	8.95E-08	9.86E-04	0.000347	9.63E-06	0.00125	9.24E-08
1269	489685.89	3859126.54	0.17399	0.11985	0.08884	0.14971	3.17E-04	1E-05	0.00047	1.6E-07	0.0008	3.89E-04	1.24976E-05	0.000577	8.94E-08	9.78E-04	0.000343	9.61E-06	0.001243	9.23E-08
1270	489735.89	3859126.54	0.17189	0.11986	0.08842	0.14975	3.13E-04	1E-05	0.00047	1.6E-07	0.00079	3.84E-04	1.24987E-05	0.000574	8.94E-08	9.71E-04	0.000339	9.61E-06	0.001237	9.23E-08
1271	489785.89	3859126.54	0.16983	0.12001	0.08809	0.14998	3.10E-04	1E-05	0.00047	1.6E-07	0.00079	3.79E-04	1.25143E-05	0.000572	8.95E-08	9.64E-04	0.000334	9.63E-06	0.001232	9.25E-08
1272	489835.89	3859126.54	0.16783	0.1204	0.08789	0.15034	3.06E-04	1E-05	0.00047	1.6E-07	0.00078	3.75E-04	1.2555E-05	0.000571	8.97E-08	9.58E-04	0.000331	9.66E-06	0.001229	9.27E-08
1273	489885.89	3859126.54	0.16577	0.12101	0.08783	0.15021	3.02E-04	1E-05	0.00047	1.6E-07	0.00078	3.70E-04	1.26186E-05	0.00057	8.97E-08	9.53E-04	0.000326	9.71E-06	0.001229	9.26E-08
1274	489935.89	3859126.54	0.16386	0.12161	0.08778	0.15075	2.99E-04	1E-05	0.00047	1.6E-07	0.00078	3.66E-04	1.26811E-05	0.00057	9E-08	9.49E-04	0.000323	9.76E-06	0.001228	9.29E-08
1275	489985.89	3859126.54	0.16205	0.12272	0.08803	0.15102	2.95E-04	1E-05	0.00047	1.6E-07	0.00077	3.62E-04	1.27969E-05	0.000572	9.01E-08	9.47E-04	0.000319	9.84E-06	0.001231	9.31E-08
1276	490035.89	3859126.54	0.16021	0.12391	0.08836	0.15123	2.92E-04	1.1E-05	0.00047	1.6E-07	0.00077	3.58E-04	1.2921E-05	0.000574	9.03E-08	9.45E-04	0.000316	9.94E-06	0.001236	9.32E-08
1277	489585.89	3859176.54	0.16369	0.11618	0.08786	0.14412	2.98E-04	9.9E-06	0.00047	1.5E-07	0.00078	3.66E-04	1.21149E-05	0.000571	8.6E-08	9.49E-04	0.000322	9.32E-06	0.001229	8.89E-08

1278	489635.89	3859176.54	0.16242	0.11564	0.0872	0.14337	2.96E-04	9.8E-06	0.00046	1.5E-07	0.00077	3.63E-04	1.20586E-05	0.000566	8.56E-08	9.41E-04	0.00032	9.28E-06	0.00122	8.84E-08
1279	489685.89	3859176.54	0.161	0.1152	0.08658	0.14286	2.93E-04	9.8E-06	0.00046	1.5E-07	0.00076	3.60E-04	1.20127E-05	0.000562	8.53E-08	9.34E-04	0.000317	9.24E-06	0.001211	8.81E-08
1280	489735.89	3859176.54	0.15953	0.11493	0.08605	0.14259	2.91E-04	9.8E-06	0.00046	1.5E-07	0.00076	3.56E-04	1.19846E-05	0.000559	8.51E-08	9.27E-04	0.000314	9.22E-06	0.001204	8.79E-08
1281	489785.89	3859176.54	0.1581	0.11497	0.08569	0.14251	2.88E-04	9.8E-06	0.00046	1.5E-07	0.00075	3.53E-04	1.19887E-05	0.000557	8.51E-08	9.22E-04	0.000311	9.22E-06	0.001199	8.79E-08
1282	489835.89	3859176.54	0.15664	0.11511	0.08538	0.14263	2.86E-04	9.8E-06	0.00045	1.5E-07	0.00075	3.50E-04	1.20033E-05	0.000555	8.51E-08	9.17E-04	0.000308	9.23E-06	0.001194	8.79E-08
1283	489885.89	3859176.54	0.15519	0.11548	0.0852	0.1429	2.83E-04	9.8E-06	0.00045	1.5E-07	0.00075	3.47E-04	1.20419E-05	0.000553	8.53E-08	9.12E-04	0.000306	9.26E-06	0.001192	8.81E-08
1284	489935.89	3859176.54	0.1537	0.11587	0.08504	0.1433	2.80E-04	9.9E-06	0.00045	1.5E-07	0.00074	3.43E-04	1.20826E-05	0.000552	8.55E-08	9.08E-04	0.000303	9.29E-06	0.00119	8.84E-08
1285	489985.89	3859176.54	0.15215	0.11678	0.08517	0.14297	2.77E-04	9.9E-06	0.00045	1.5E-07	0.00074	3.40E-04	1.21775E-05	0.000553	8.53E-08	9.05E-04	0.0003	9.37E-06	0.001191	8.82E-08
1286	490035.89	3859176.54	0.15081	0.11738	0.08516	0.14351	2.75E-04	1E-05	0.00045	1.5E-07	0.00074	3.37E-04	1.22401E-05	0.000553	8.57E-08	9.02E-04	0.000297	9.42E-06	0.001191	8.85E-08
1287	489685.89	3859226.54	0.14942	0.11126	0.08463	0.13702	2.72E-04	9.5E-06	0.00045	1.5E-07	0.00073	3.34E-04	1.16019E-05	0.00055	8.18E-08	8.95E-04	0.000294	8.93E-06	0.001184	8.45E-08
1288	489735.89	3859226.54	0.14845	0.11074	0.08399	0.13645	2.71E-04	9.4E-06	0.00045	1.5E-07	0.00073	3.32E-04	1.15477E-05	0.000546	8.14E-08	8.89E-04	0.000292	8.88E-06	0.001175	8.41E-08
1289	489785.89	3859226.54	0.14747	0.11053	0.08352	0.13607	2.69E-04	9.4E-06	0.00044	1.5E-07	0.00072	3.29E-04	1.15258E-05	0.000542	8.12E-08	8.84E-04	0.00029	8.87E-06	0.001168	8.39E-08
1290	489835.89	3859226.54	0.1465	0.11056	0.08318	0.13589	2.67E-04	9.4E-06	0.00044	1.4E-07	0.00072	3.27E-04	1.15289E-05	0.00054	8.11E-08	8.79E-04	0.000289	8.87E-06	0.001164	8.38E-08
1291	489885.89	3859226.54	0.14546	0.11066	0.08287	0.13592	2.65E-04	9.4E-06	0.00044	1.4E-07	0.00072	3.25E-04	1.15393E-05	0.000538	8.11E-08	8.75E-04	0.000286	8.88E-06	0.001159	8.38E-08
1292	489935.89	3859226.54	0.14437	0.11092	0.08266	0.1361	2.63E-04	9.4E-06	0.00044	1.5E-07	0.00071	3.22E-04	1.15664E-05	0.000537	8.12E-08	8.71E-04	0.000284	8.9E-06	0.001156	8.39E-08
1293	489985.89	3859226.54	0.14309	0.11172	0.08275	0.1355	2.61E-04	9.5E-06	0.00044	1.4E-07	0.00071	3.20E-04	1.16498E-05	0.000537	8.09E-08	8.69E-04	0.000282	8.96E-06	0.001158	8.35E-08
1294	490035.89	3859226.54	0.14203	0.11203	0.08257	0.13602	2.59E-04	9.5E-06	0.00044	1.5E-07	0.00071	3.17E-04	1.16822E-05	0.000536	8.12E-08	8.65E-04	0.00028	8.99E-06	0.001155	8.39E-08
1295	489735.89	3859276.54	0.13845	0.10711	0.08214	0.13122	2.52E-04	9.1E-06	0.00044	1.4E-07	0.0007	3.09E-04	1.11691E-05	0.000534	7.83E-08	8.54E-04	0.000273	8.59E-06	0.001149	8.09E-08
1296	489785.89	3859276.54	0.13786	0.10666	0.08157	0.13057	2.51E-04	9.1E-06	0.00043	1.4E-07	0.00069	3.08E-04	1.11222E-05	0.00053	7.79E-08	8.49E-04	0.000272	8.56E-06	0.001141	8.05E-08
1297	489835.89	3859276.54	0.13726	0.10654	0.08118	0.1301	2.50E-04	9.1E-06	0.00043	1.4E-07	0.00069	3.07E-04	1.11097E-05	0.000527	7.76E-08	8.45E-04	0.00027	8.55E-06	0.001136	8.02E-08
1298	489885.89	3859276.54	0.13654	0.10641	0.08077	0.12986	2.49E-04	9.1E-06	0.00043	1.4E-07	0.00069	3.05E-04	1.10961E-05	0.000525	7.75E-08	8.41E-04	0.000269	8.54E-06	0.00113	8.01E-08
1299	489935.89	3859276.54	0.13586	0.10655	0.08052	0.12977	2.48E-04	9.1E-06	0.00043	1.4E-07	0.00068	3.03E-04	1.11107E-05	0.000523	7.75E-08	8.38E-04	0.000268	8.55E-06	0.001126	8E-08
1300	489985.89	3859276.54	0.1349	0.10721	0.08056	0.1289	2.46E-04	9.1E-06	0.00043	1.4E-07	0.00068	3.01E-04	1.11796E-05	0.000523	7.69E-08	8.36E-04	0.000266	8.6E-06	0.001127	7.95E-08
1301	490035.89	3859276.54	0.13408	0.10711	0.08016	0.12941	2.44E-04	9.1E-06	0.00043	1.4E-07	0.00068	2.99E-04	1.11691E-05	0.000521	7.72E-08	8.31E-04	0.000264	8.59E-06	0.001121	7.98E-08
1302	490458.06	3859590.74	0.09525	0.08472	0.06634	0.10066	1.74E-04	7.2E-06	0.00035	1.1E-07	0.00053	2.13E-04	8.83436E-06	0.000431	6.01E-08	6.53E-04	0.000188	6.8E-06	0.000928	6.21E-08
1303	490508.06	3859590.74	0.09527	0.08512	0.06636	0.10081	1.74E-04	7.2E-06	0.00035	1.1E-07	0.00053	2.13E-04	8.87607E-06	0.000431	6.02E-08	6.53E-04	0.000188	6.83E-06	0.000928	6.22E-08
1304	490558.06	3859590.74	0.09531	0.08557	0.06641	0.10103	1.74E-04	7.3E-06	0.00035	1.1E-07	0.00053	2.13E-04	8.923E-06	0.000431	6.03E-08	6.53E-04	0.000188	6.86E-06	0.000929	6.23E-08
1305	490608.06	3859590.74	0.09523	0.08613	0.06652	0.10086	1.74E-04	7.3E-06	0.00035	1.1E-07	0.00053	2.13E-04	8.98139E-06	0.000432	6.02E-08	6.54E-04	0.000188	6.91E-06	0.000931	6.22E-08
1306	490658.06	3859590.74	0.09511	0.08677	0.06668	0.10102	1.73E-04	7.4E-06	0.00035	1.1E-07	0.00054	2.12E-04	9.04813E-06	0.000433	6.03E-08	6.55E-04	0.000187	6.96E-06	0.000933	6.23E-08
1307	490708.06	3859590.74	0.09496	0.08745	0.06687	0.10118	1.73E-04	7.4E-06	0.00036	1.1E-07	0.00054	2.12E-04	9.11904E-06	0.000434	6.04E-08	6.56E-04	0.000187	7.02E-06	0.000935	6.24E-08
1308	490758.06	3859590.74	0.09474	0.08819	0.06711	0.10127	1.73E-04	7.5E-06	0.00036	1.1E-07	0.00054	2.12E-04	9.1962E-06	0.000436	6.04E-08	6.57E-04	0.000187	7.07E-06	0.000939	6.24E-08
1309	490808.06	3859590.74	0.0945	0.08885	0.06731	0.10145	1.72E-04	7.6E-06	0.00036	1.1E-07	0.00054	2.11E-04	9.26503E-06	0.000437	6.05E-08	6.58E-04	0.000186	7.13E-06	0.000942	6.26E-08
1310	490858.06	3859590.74	0.09424	0.08955	0.06756	0.10154	1.72E-04	7.6E-06	0.00036	1.1E-07	0.00054	2.11E-04	9.33802E-06	0.000439	6.06E-08	6.59E-04	0.000186	7.18E-06	0.000945	6.26E-08
1311	490458.06	3859640.74	0.09104	0.08162	0.06462	0.09699	1.66E-04	6.9E-06	0.00034	1E-07	0.00052	2.03E-04	8.5111E-06	0.00042	5.79E-08	6.32E-04	0.000179	6.55E-06	0.000904	5.98E-08
1312	490508.06	3859640.74	0.09108	0.08186	0.06457	0.09701	1.66E-04	7E-06	0.00034	1E-07	0.00052	2.03E-04	8.53613E-06	0.000419	5.79E-08	6.31E-04	0.000179	6.57E-06	0.000903	5.98E-08
1313	490558.06	3859640.74	0.0911	0.08217	0.06455	0.09711	1.66E-04	7E-06	0.00034	1E-07	0.00052	2.03E-04	8.56846E-06	0.000419	5.8E-08	6.31E-04	0.000179	6.59E-06	0.000903	5.99E-08
1314	490608.06	3859640.74	0.09126	0.08268	0.06465	0.09727	1.66E-04	7E-06	0.00034	1E-07	0.00052	2.04E-04	8.62164E-06	0.00042	5.81E-08	6.32E-04	0.00018	6.63E-06	0.000904	6E-08
1315	490658.06	3859640.74	0.09131	0.08326	0.06479	0.09703	1.66E-04	7.1E-06	0.00034	1E-07	0.00052	2.04E-04	8.68212E-06	0.000421	5.79E-08	6.34E-04	0.00018	6.68E-06	0.000906	5.98E-08
1316	490708.06	3859640.74	0.09124	0.08382	0.06492	0.09716	1.66E-04	7.1E-06	0.00034	1E-07	0.00052	2.04E-04	8.74051E-06	0.000422	5.8E-08	6.34E-04	0.00018	6.72E-06	0.000908	5.99E-08
1317	490758.06	3859640.74	0.09113	0.08447	0.0651	0.09727	1.66E-04	7.2E-06	0.00035	1E-07	0.00052	2.04E-04	8.80829E-06	0.000423	5.81E-08	6.35E-04	0.000179	6.78E-06	0.000911	6E-08
1318	490808.06	3859640.74	0.09096	0.08501	0.06522	0.09752	1.66E-04	7.2E-06	0.00035	1E-07	0.00052	2.03E-04	8.8646E-06	0.000424	5.82E-08	6.36E-04	0.000179	6.82E-06	0.000912	6.01E-08
1319	490858.06	3859640.74	0.09079	0.08558	0.06537	0.09778	1.65E-04	7.3E-06	0.00035	1E-07	0.00052	2.03E-04	8.92404E-06	0.000425	5.84E-08	6.36E-04	0.000179	6.87E-06	0.000914	6.03E-08
1320	490608.06	3859690.74	0.0874	0.07962	0.06296	0.09363	1.59E-04	6.8E-06	0.00033	1E-07	0.0005	1.95E-04	8.30255E-06	0.000409	5.59E-08	6.13E-04	0.000172	6.39E-06	0.000881	5.77E-08
1321	490658.06	3859690.74	0.08763	0.08009	0.06306	0.09343	1.60E-04	6.8E-06	0.00034	1E-07	0.0005	1.96E-04	8.35156E-06	0.00041	5.58E-08	6.14E-04	0.000173	6.42E-06	0.000882	5.76E-08
1322	490708.06	3859690.74	0.08767	0.08055	0.06314	0.09347	1.60E-04	6.9E-06	0.00034	1E-07	0.0005	1.96E-04	8.39953E-06	0.00041	5.58E-08	6.14E-04	0.000173	6.46E-06	0.000883	5.76E-08
1323	490758.06	3859690.74	0.08765	0.0811	0.06327	0.09353	1.60E-04	6.9E-06	0.00034	1E-07	0.0005	1.96E-04	8.45688E-06	0.000411	5.58E-08	6.15E-04	0.000173	6.51E-06	0.000885	5.77E-08
1324	490808.06	3859690.74	0.08757	0.08159	0.06337	0.0937	1.60E-04	6.9E-06	0.00034	1E-07	0.0005	1.96E-04	8.50797E-06	0.000412	5.59E-08	6.16E-04	0.000172	6.54E-06	0.000886	5.78E-08
1325	490858.06	3859690.74	0.08744	0.08194	0.06338	0.09408	1.59E-04	7E-06	0.00034	1E-07	0.0005	1.95E-04	8.54447E-06	0.000412	5.62E-08	6.16E-04	0.000172	6.57E-06	0.000887	5.8E-08
1326	490708.06	3859740.74	0.08415	0.07754	0.06146	0.09046	1.53E-04	6.6E-06	0.00033	9.6E-08	0.00049	1.88E-04	8.08565E-06	0.000399	5.4E-08	5.95E-04	0.000166	6.22E-06	0.00086	5.58E-08
1327	490758.06	3859740.74	0.08419	0.07779	0.06143	0.0903	1.53E-04	6.6E-06	0.00033	9.6E-08	0.00049	1.88E-04	8.11172E-06	0.000399	5.39E-08	5.95E-04	0.000166	6.24E-06	0.000859	5.57E-08
1328	490808.06	3859740.74	0.08419	0.07817	0.06147	0.09044	1.53E-04	6.7E-06	0.00033	9.6E-08	0.00049	1.88E-04	8.15135E-06	0.000399	5.4E-08	5.96E-04	0.000166	6.27E-06	0.00086	5.58E-08
1329	490858.06	3859740.74	0.08414	0.07853	0.0615	0.09067	1.53E-04	6.7E-06	0.00033	9.7E-08	0.00049	1.88E-04	8.18889E-06	0.000399	5.41E-08	5.96E-04	0.000166	6.3E-06	0.00086	5.59E-08
1330	490786.56	3859749.39	0.08361	0.07745	0.06114	0.08983	1.52E-04	6.6E-06	0.00032	9.6E-08	0.00048	1.87E-04	8.07627E-06	0.000397	5.36E-08	5.92E-04	0.000165	6.21E-06	0.000855	5.54E-08
1331	490836.56	3859749.39	0.0836	0.07783	0.06118	0.08999	1.52E-04	6.6E-06	0.00033	9.6E-08	0.00048	1.87E-04	8.11589E-06	0.000397	5.37E-08	5.92E-04	0.000165	6.24E-06	0.000856	5.55E-08
1332	490786.56	3859799.39	0.08018	0.07456	0.0595	0.08696	1.46E-04	6.3E-06	0.00032	9.3E-08	0.00047	1.79E-04	7.77491E-06	0.000386	5.19E-08	5.73E-04	0.000158	5.98E-06	0.000832	5.36E-08
1333	490836.56	3859799.39	0.08031	0.07486	0.05951	0.08709	1.46E-04	6.4E-06	0.00032	9.3E-08	0.00047	1.79E-04	7.80619E-06	0.000387	5.2E-08	5.74E-04	0.000158	6.01E-06	0.000832	5.37E-08
1334	492307.84	3854508.36	0.12014	0.11286	0.13339	0.0822	2.19E-04	9.6E-06	0.00071	8.8E-08	0.00094	2.68E-04	1.17687E-05	0.000866	4.91E-08	1.15E-03	0.000237	9.05E-06	0.001866	5.07E-08
1335	486445.7	3854753.6	0.32932	0.52367	0.28082	0.07381	6.00E-04	4.5E-05	0.00149	7.9E-08	0.00214	7.36E-04	5.46068E-05	0.001824	4.41E-08	2.61E-03	0.000649	4.2E-05	0.003928	4.55E-08
1336	472599.75	3877830.11	0.00324	0.00289	0.0032	0.00297	5.91E-06	2.5E-07	1.7E-05	3.2E-09	2.3E-05	7.24E-06	3.01361E-07	2.08E-05	1.77E-09	2.83E-05	6.38E-06	2.32E-07	4.48E-05	1.83E-09
1337	493107.48	3866840.19	0.01003	0.01039	0.00992	0.00839	1.83E-05	8.8E-07	5.3E-05	9E-09	7.2E-05	2.24E-05	1.08344E-06	6.44E-05	5.01E-09	8.79E-05	1.98E-05	8.33E-07	0.000139	5.17E-09
1338	495815.79	3861662.87	0.03085	0.03303	0.02869	0.03809	5.62E-05	2.8E-06	0.00015	4.1E-08	0.00021	6.89E-05	3.44428E-06	0.000186	2.27E-08	2.59E-04	6.08E-05	2.65E-06	0.000401	2.35E-08

1339	480272.33	3841389.2	0.00106	0.00103	0.00108	0.0009	1.93E-06	8.8E-08	5.7E-06	9.6E-10	7.8E-06	2.37E-06	1.07405E-07	7.01E-06	5.37E-10	9.49E-06	2.09E-06	8.26E-08	1.51E-05	5.55E-10
1340	497005.18	3862813.64	0.02153	0.02296	0.01993	0.02584	3.92E-05	2E-06	0.00011	2.8E-08	0.00015	4.81E-05	2.3942E-06	0.000129	1.54E-08	1.80E-04	4.24E-05	1.84E-06	0.000279	1.59E-08
1341	493677.33	3860302.55	0.05736	0.06068	0.05068	0.06838	1.05E-04	5.2E-06	0.00027	7.3E-08	0.00038	1.28E-04	6.32754E-06	0.000329	4.08E-08	4.64E-04	0.000113	4.87E-06	0.000709	4.22E-08
1342	493727.33	3860302.55	0.05725	0.06057	0.05063	0.06818	1.04E-04	5.2E-06	0.00027	7.3E-08	0.00038	1.28E-04	6.31607E-06	0.000329	4.07E-08	4.63E-04	0.000113	4.86E-06	0.000708	4.2E-08
1343	493777.33	3860302.55	0.05715	0.06048	0.05058	0.06796	1.04E-04	5.1E-06	0.00027	7.2E-08	0.00038	1.28E-04	6.30668E-06	0.000329	4.06E-08	4.63E-04	0.000113	4.85E-06	0.000708	4.19E-08
1344	493827.33	3860302.55	0.05704	0.0604	0.05053	0.06772	1.04E-04	5.1E-06	0.00027	7.2E-08	0.00038	1.27E-04	6.29834E-06	0.000328	4.04E-08	4.62E-04	0.000112	4.85E-06	0.000707	4.18E-08
1345	493877.33	3860302.55	0.0569	0.06026	0.05044	0.06751	1.04E-04	5.1E-06	0.00027	7.2E-08	0.00038	1.27E-04	6.28374E-06	0.000328	4.03E-08	4.61E-04	0.000112	4.83E-06	0.000706	4.16E-08
1346	493927.33	3860302.55	0.05673	0.0601	0.05031	0.06731	1.03E-04	5.1E-06	0.00027	7.2E-08	0.00038	1.27E-04	6.26706E-06	0.000327	4.02E-08	4.60E-04	0.000112	4.82E-06	0.000704	4.15E-08
1347	493977.33	3860302.55	0.05669	0.06014	0.05033	0.06695	1.03E-04	5.1E-06	0.00027	7.1E-08	0.00038	1.27E-04	6.27123E-06	0.000327	4E-08	4.60E-04	0.000112	4.82E-06	0.000704	4.13E-08
1348	494027.33	3860302.55	0.05658	0.06007	0.05026	0.06665	1.03E-04	5.1E-06	0.00027	7.1E-08	0.00038	1.26E-04	6.26393E-06	0.000326	3.98E-08	4.59E-04	0.000111	4.82E-06	0.000703	4.11E-08
1349	493677.33	3860352.55	0.05605	0.05934	0.0496	0.06711	1.02E-04	5E-06	0.00026	7.2E-08	0.00037	1.25E-04	6.18781E-06	0.000322	4.01E-08	4.54E-04	0.00011	4.76E-06	0.000694	4.14E-08
1350	493727.33	3860352.55	0.05592	0.0592	0.04954	0.06706	1.02E-04	5E-06	0.00026	7.2E-08	0.00037	1.25E-04	6.17321E-06	0.000322	4E-08	4.53E-04	0.00011	4.75E-06	0.000693	4.13E-08
1351	493777.33	3860352.55	0.05579	0.05906	0.04947	0.0669	1.02E-04	5E-06	0.00026	7.1E-08	0.00037	1.25E-04	6.15861E-06	0.000321	3.99E-08	4.52E-04	0.00011	4.74E-06	0.000692	4.12E-08
1352	493827.33	3860352.55	0.05569	0.05896	0.04942	0.06671	1.02E-04	5E-06	0.00026	7.1E-08	0.00037	1.24E-04	6.14818E-06	0.000321	3.98E-08	4.52E-04	0.00011	4.73E-06	0.000691	4.11E-08
1353	493877.33	3860352.55	0.05562	0.0589	0.04939	0.06639	1.01E-04	5E-06	0.00026	7.1E-08	0.00037	1.24E-04	6.14193E-06	0.000321	3.96E-08	4.51E-04	0.00011	4.72E-06	0.000691	4.09E-08
1354	493927.33	3860352.55	0.05557	0.05888	0.04939	0.06614	1.01E-04	5E-06	0.00026	7.1E-08	0.00037	1.24E-04	6.13984E-06	0.000321	3.95E-08	4.51E-04	0.000109	4.72E-06	0.000691	4.08E-08
1355	493977.33	3860352.55	0.05553	0.0589	0.0494	0.06585	1.01E-04	5E-06	0.00026	7E-08	0.00037	1.24E-04	6.14193E-06	0.000321	3.93E-08	4.51E-04	0.000109	4.72E-06	0.000691	4.06E-08
1356	494027.33	3860352.55	0.0554	0.05878	0.04931	0.06563	1.01E-04	5E-06	0.00026	7E-08	0.00037	1.24E-04	6.12941E-06	0.00032	3.92E-08	4.50E-04	0.000109	4.72E-06	0.00069	4.05E-08
1357	493677.33	3860402.55	0.05466	0.05792	0.04843	0.06591	9.96E-05	4.9E-06	0.00026	7E-08	0.00036	1.22E-04	6.03973E-06	0.000315	3.93E-08	4.43E-04	0.000108	4.65E-06	0.000677	4.06E-08
1358	493727.33	3860402.55	0.05456	0.0578	0.04839	0.06577	9.95E-05	4.9E-06	0.00026	7E-08	0.00036	1.22E-04	6.02722E-06	0.000314	3.93E-08	4.42E-04	0.000107	4.64E-06	0.000677	4.06E-08
1359	493777.33	3860402.55	0.05458	0.05785	0.04848	0.06561	9.95E-05	4.9E-06	0.00026	7E-08	0.00036	1.22E-04	6.03243E-06	0.000315	3.92E-08	4.43E-04	0.000107	4.64E-06	0.000678	4.05E-08
1360	493827.33	3860402.55	0.05442	0.05767	0.04839	0.06546	9.92E-05	4.9E-06	0.00026	7E-08	0.00036	1.22E-04	6.01366E-06	0.000314	3.91E-08	4.42E-04	0.000107	4.63E-06	0.000677	4.04E-08
1361	493877.33	3860402.55	0.05431	0.05755	0.04833	0.0653	9.90E-05	4.9E-06	0.00026	7E-08	0.00036	1.21E-04	6.00115E-06	0.000314	3.9E-08	4.41E-04	0.000107	4.62E-06	0.000676	4.03E-08
1362	493927.33	3860402.55	0.05432	0.05759	0.04838	0.06511	9.90E-05	4.9E-06	0.00026	6.9E-08	0.00036	1.21E-04	6.00532E-06	0.000314	3.89E-08	4.42E-04	0.000107	4.62E-06	0.000677	4.01E-08
1363	493977.33	3860402.55	0.05436	0.05766	0.04845	0.06474	9.91E-05	4.9E-06	0.00026	6.9E-08	0.00036	1.21E-04	6.01262E-06	0.000315	3.86E-08	4.42E-04	0.000107	4.63E-06	0.000678	3.99E-08
1364	494027.33	3860402.55	0.05422	0.05751	0.04835	0.06457	9.88E-05	4.9E-06	0.00026	6.9E-08	0.00036	1.21E-04	5.99698E-06	0.000314	3.85E-08	4.41E-04	0.000107	4.61E-06	0.000676	3.98E-08
1365	493677.33	3860452.55	0.05341	0.05664	0.04733	0.06457	9.74E-05	4.8E-06	0.00025	6.9E-08	0.00035	1.19E-04	5.90626E-06	0.000307	3.85E-08	4.33E-04	0.000105	4.54E-06	0.000662	3.98E-08
1366	493727.33	3860452.55	0.05324	0.05641	0.04724	0.06447	9.70E-05	4.8E-06	0.00025	6.9E-08	0.00035	1.19E-04	5.88228E-06	0.000307	3.85E-08	4.32E-04	0.000105	4.53E-06	0.000661	3.98E-08
1367	493777.33	3860452.55	0.05317	0.05632	0.04724	0.06435	9.69E-05	4.8E-06	0.00025	6.9E-08	0.00035	1.19E-04	5.87289E-06	0.000307	3.84E-08	4.32E-04	0.000105	4.52E-06	0.000661	3.97E-08
1368	493827.33	3860452.55	0.05316	0.05635	0.04731	0.06421	9.69E-05	4.8E-06	0.00025	6.8E-08	0.00035	1.19E-04	5.87602E-06	0.000307	3.83E-08	4.32E-04	0.000105	4.52E-06	0.000662	3.96E-08
1369	493877.33	3860452.55	0.05313	0.05633	0.04734	0.06407	9.68E-05	4.8E-06	0.00025	6.8E-08	0.00035	1.19E-04	5.87393E-06	0.000307	3.82E-08	4.32E-04	0.000105	4.52E-06	0.000662	3.95E-08
1370	493927.33	3860452.55	0.05318	0.05644	0.04746	0.06389	9.69E-05	4.8E-06	0.00025	6.8E-08	0.00035	1.19E-04	5.8854E-06	0.000308	3.81E-08	4.33E-04	0.000105	4.53E-06	0.000664	3.94E-08
1371	493977.33	3860452.55	0.05309	0.05634	0.04741	0.06373	9.68E-05	4.8E-06	0.00025	6.8E-08	0.00035	1.19E-04	5.87498E-06	0.000308	3.8E-08	4.32E-04	0.000105	4.52E-06	0.000663	3.93E-08
1372	494027.33	3860452.55	0.05299	0.05624	0.04736	0.06357	9.66E-05	4.8E-06	0.00025	6.8E-08	0.00035	1.18E-04	5.86455E-06	0.000308	3.79E-08	4.32E-04	0.000104	4.51E-06	0.000663	3.92E-08
1373	493677.33	3860502.55	0.05215	0.05534	0.0462	0.06323	9.51E-05	4.7E-06	0.00025	6.7E-08	0.00035	1.16E-04	5.7707E-06	0.0003	3.77E-08	4.22E-04	0.000103	4.44E-06	0.000646	3.9E-08
1374	493727.33	3860502.55	0.05203	0.05517	0.04616	0.06313	9.48E-05	4.7E-06	0.00025	6.7E-08	0.00034	1.16E-04	5.75297E-06	0.0003	3.77E-08	4.22E-04	0.000102	4.43E-06	0.000646	3.89E-08
1375	493777.33	3860502.55	0.05197	0.0551	0.04619	0.06304	9.47E-05	4.7E-06	0.00025	6.7E-08	0.00034	1.16E-04	5.74567E-06	0.0003	3.76E-08	4.22E-04	0.000102	4.42E-06	0.000646	3.89E-08
1376	493827.33	3860502.55	0.05191	0.05504	0.04621	0.06294	9.46E-05	4.7E-06	0.00025	6.7E-08	0.00034	1.16E-04	5.73942E-06	0.0003	3.76E-08	4.22E-04	0.000102	4.42E-06	0.000646	3.88E-08
1377	493877.33	3860502.55	0.05192	0.05507	0.04629	0.06283	9.46E-05	4.7E-06	0.00025	6.7E-08	0.00035	1.16E-04	5.74254E-06	0.000301	3.75E-08	4.22E-04	0.000102	4.42E-06	0.000648	3.87E-08
1378	493927.33	3860502.55	0.05195	0.05515	0.0464	0.0627	9.47E-05	4.7E-06	0.00025	6.7E-08	0.00035	1.16E-04	5.75089E-06	0.000301	3.74E-08	4.23E-04	0.000102	4.42E-06	0.000649	3.87E-08
1379	493977.33	3860502.55	0.05186	0.05503	0.04636	0.06256	9.45E-05	4.7E-06	0.00025	6.7E-08	0.00035	1.16E-04	5.73837E-06	0.000301	3.73E-08	4.23E-04	0.000102	4.41E-06	0.000649	3.86E-08
1380	494027.33	3860502.55	0.05179	0.05497	0.04634	0.06242	9.44E-05	4.7E-06	0.00025	6.7E-08	0.00035	1.16E-04	5.73212E-06	0.000301	3.73E-08	4.22E-04	0.000102	4.41E-06	0.000648	3.85E-08
1381	493627.33	3860552.55	0.05094	0.05409	0.04499	0.06189	9.29E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.14E-04	5.64035E-06	0.000292	3.69E-08	4.12E-04	0.0001	4.34E-06	0.000629	3.82E-08
1382	493677.33	3860552.55	0.05083	0.05394	0.04499	0.06183	9.27E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.14E-04	5.62471E-06	0.000292	3.69E-08	4.11E-04	0.0001	4.33E-06	0.000629	3.81E-08
1383	493727.33	3860552.55	0.05074	0.05382	0.04499	0.06177	9.25E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.13E-04	5.6122E-06	0.000292	3.69E-08	4.11E-04	9.99E-05	4.32E-06	0.000629	3.81E-08
1384	493777.33	3860552.55	0.05072	0.05381	0.04507	0.06171	9.25E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.13E-04	5.61115E-06	0.000293	3.68E-08	4.12E-04	9.99E-05	4.32E-06	0.00063	3.8E-08
1385	493827.33	3860552.55	0.05075	0.05387	0.04519	0.06165	9.25E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.13E-04	5.61741E-06	0.000294	3.68E-08	4.13E-04	1E-04	4.32E-06	0.000632	3.8E-08
1386	493877.33	3860552.55	0.05068	0.05377	0.04518	0.06156	9.24E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.13E-04	5.60698E-06	0.000293	3.67E-08	4.12E-04	9.98E-05	4.31E-06	0.000632	3.8E-08
1387	493927.33	3860552.55	0.05069	0.05379	0.04527	0.06147	9.24E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.13E-04	5.60907E-06	0.000294	3.67E-08	4.13E-04	9.98E-05	4.31E-06	0.000633	3.79E-08
1388	493977.33	3860552.55	0.05071	0.05384	0.04536	0.06138	9.24E-05	4.6E-06	0.00024	6.5E-08	0.00034	1.13E-04	5.61428E-06	0.000295	3.66E-08	4.14E-04	9.99E-05	4.32E-06	0.000635	3.78E-08
1389	494027.33	3860552.55	0.05062	0.05374	0.04533	0.06125	9.23E-05	4.6E-06	0.00024	6.5E-08	0.00034	1.13E-04	5.60386E-06	0.000294	3.66E-08	4.13E-04	9.97E-05	4.31E-06	0.000634	3.78E-08
1390	493627.33	3860602.55	0.04969	0.05277	0.04382	0.06047	9.06E-05	4.5E-06	0.00023	6.5E-08	0.00033	1.11E-04	5.50271E-06	0.000285	3.61E-08	4.01E-04	9.79E-05	4.23E-06	0.000613	3.73E-08
1391	493727.33	3860602.55	0.04943	0.05245	0.04379	0.06036	9.01E-05	4.5E-06	0.00023	6.4E-08	0.00033	1.10E-04	5.46934E-06	0.000284	3.6E-08	4.00E-04	9.74E-05	4.21E-06	0.000613	3.72E-08
1392	493777.33	3860602.55	0.04952	0.05257	0.04397	0.06037	9.03E-05	4.5E-06	0.00023	6.4E-08	0.00033	1.11E-04	5.48185E-06	0.000286	3.6E-08	4.02E-04	9.75E-05	4.22E-06	0.000615	3.72E-08
1393	493827.33	3860602.55	0.0495	0.05255	0.04404	0.06033	9.02E-05	4.5E-06	0.00023	6.4E-08	0.00033	1.11E-04	5.47977E-06	0.000286	3.6E-08	4.02E-04	9.75E-05	4.22E-06	0.000616	3.72E-08
1394	493877.33	3860602.55	0.04955	0.05263	0.04418	0.06029	9.03E-05	4.5E-06	0.00023	6.4E-08	0.00033	1.11E-04	5.48811E-06	0.000287	3.6E-08	4.03E-04	9.76E-05	4.22E-06	0.000618	3.72E-08
1395	493927.33	3860602.55	0.04955	0.05263	0.04425	0.06023	9.03E-05	4.5E-06	0.00024	6.4E-08	0.00033	1.11E-04	5.48811E-06	0.000287	3.59E-08	4.04E-04	9.76E-05	4.22E-06	0.000619	3.71E-08
1396	493977.33	3860602.55	0.04955	0.05264	0.04433	0.06016	9.03E-05	4.5E-06	0.00024	6.4E-08	0.00033	1.11E-04	5.48915E-06	0.000288	3.59E-08	4.04E-04	9.76E-05	4.22E-06	0.00062	3.71E-08
1397	494027.33	3860602.55	0.04945	0.05252	0.0443	0.06005	9.01E-05	4.5E-06	0.00024	6.4E-08	0.00033	1.10E-04	5.47664E-06	0.000288	3.58E-08	4.04E-04	9.74E-05	4.21E-06	0.00062	3.7E-08
1398	493627.33	3860652.55	0.04843	0.05142	0.04263	0.05902	8.83E-05	4.4E-06	0.00023	6.3E-08	0.00032	1.08E-04	5.36193E-06	0.000277	3.52E-08	3.90E-04	9.54E-05	4.12E-06	0.000596	3.64E-08
1399	493727.33	3860652.55	0.04822	0.05117	0.04265	0.05896	8.79E-05	4.4E-06	0.00023	6.3E-08	0.00032	1.08E-04	5.33586E-06	0.000277	3.52E-08	3.90E-04	9.5E-05	4.1E-06	0.000597	3.64E-08

1400	493777.33	3860652.55	0.04828	0.05126	0.04281	0.05899	8.80E-05	4.4E-06	0.00023	6.3E-08	0.00032	1.08E-04	5.34525E-06	0.000278	3.52E-08	3.91E-04	9.51E-05	4.11E-06	0.000599	3.64E-08
1401	493827.33	3860652.55	0.04833	0.05134	0.04296	0.059	8.81E-05	4.4E-06	0.00023	6.3E-08	0.00032	1.08E-04	5.35359E-06	0.000279	3.52E-08	3.92E-04	9.52E-05	4.12E-06	0.000601	3.64E-08
1402	493877.33	3860652.55	0.0484	0.05144	0.04312	0.05901	8.82E-05	4.4E-06	0.00023	6.3E-08	0.00032	1.08E-04	5.36402E-06	0.00028	3.52E-08	3.94E-04	9.53E-05	4.13E-06	0.000603	3.64E-08
1403	493927.33	3860652.55	0.0484	0.05144	0.04321	0.05897	8.82E-05	4.4E-06	0.00023	6.3E-08	0.00032	1.08E-04	5.36402E-06	0.000281	3.52E-08	3.94E-04	9.53E-05	4.13E-06	0.000604	3.64E-08
1404	493977.33	3860652.55	0.04838	0.05142	0.04327	0.05891	8.82E-05	4.4E-06	0.00023	6.3E-08	0.00032	1.08E-04	5.36193E-06	0.000281	3.52E-08	3.95E-04	9.53E-05	4.12E-06	0.000605	3.63E-08
1405	494027.33	3860652.55	0.04841	0.05147	0.04338	0.05887	8.82E-05	4.4E-06	0.00023	6.3E-08	0.00032	1.08E-04	5.36715E-06	0.000282	3.51E-08	3.95E-04	9.53E-05	4.13E-06	0.000607	3.63E-08
1406	494311.06	3858401.99	0.0648	0.07221	0.06322	0.06193	1.18E-04	6.1E-06	0.00034	6.6E-08	0.00046	1.45E-04	7.52985E-06	0.000411	3.7E-08	5.63E-04	0.000128	5.79E-06	0.000884	3.82E-08
1407	494361.06	3858401.99	0.06362	0.07078	0.0621	0.06089	1.16E-04	6E-06	0.00033	6.5E-08	0.00045	1.42E-04	7.38074E-06	0.000403	3.63E-08	5.53E-04	0.000125	5.68E-06	0.000869	3.75E-08
1408	494411.06	3858401.99	0.06283	0.06982	0.06138	0.06017	1.15E-04	5.9E-06	0.00033	6.4E-08	0.00045	1.40E-04	7.28063E-06	0.000399	3.59E-08	5.46E-04	0.000124	5.6E-06	0.000859	3.71E-08
1409	494461.06	3858401.99	0.06246	0.06933	0.06108	0.0598	1.14E-04	5.9E-06	0.00032	6.4E-08	0.00044	1.40E-04	7.22954E-06	0.000397	3.57E-08	5.44E-04	0.000123	5.56E-06	0.000854	3.69E-08
1410	494511.06	3858401.99	0.06161	0.06828	0.06029	0.05902	1.12E-04	5.8E-06	0.00032	6.3E-08	0.00044	1.38E-04	7.12005E-06	0.000392	3.52E-08	5.36E-04	0.000121	5.48E-06	0.000843	3.64E-08
1411	494561.06	3858401.99	0.06121	0.06776	0.05995	0.05863	1.12E-04	5.8E-06	0.00032	6.3E-08	0.00044	1.37E-04	7.06582E-06	0.000389	3.5E-08	5.33E-04	0.000121	5.44E-06	0.000839	3.61E-08
1412	494611.06	3858401.99	0.06036	0.06671	0.05915	0.05786	1.10E-04	5.7E-06	0.00031	6.2E-08	0.00043	1.35E-04	6.95633E-06	0.000384	3.45E-08	5.26E-04	0.000119	5.35E-06	0.000827	3.57E-08
1413	494661.06	3858401.99	0.05964	0.06578	0.05848	0.0572	1.09E-04	5.6E-06	0.00031	6.1E-08	0.00043	1.33E-04	6.85935E-06	0.00038	3.41E-08	5.20E-04	0.000117	5.28E-06	0.000818	3.53E-08
1414	494711.06	3858401.99	0.05855	0.06448	0.05743	0.05625	1.07E-04	5.5E-06	0.00031	6E-08	0.00042	1.31E-04	6.72379E-06	0.000373	3.36E-08	5.11E-04	0.000115	5.17E-06	0.000803	3.47E-08
1415	494761.06	3858401.99	0.05799	0.06378	0.05692	0.05572	1.06E-04	5.4E-06	0.0003	5.9E-08	0.00041	1.30E-04	6.6508E-06	0.00037	3.33E-08	5.06E-04	0.000114	5.12E-06	0.000796	3.44E-08
1416	494811.06	3858401.99	0.05716	0.06277	0.05614	0.05498	1.04E-04	5.3E-06	0.0003	5.9E-08	0.00041	1.28E-04	6.54548E-06	0.000365	3.28E-08	4.99E-04	0.000113	5.04E-06	0.000785	3.39E-08
1417	494861.06	3858401.99	0.05643	0.06188	0.05545	0.05433	1.03E-04	5.3E-06	0.00029	5.8E-08	0.0004	1.26E-04	6.45267E-06	0.00036	3.24E-08	4.93E-04	0.000111	4.96E-06	0.000776	3.35E-08
1418	494911.06	3858401.99	0.05571	0.06101	0.05478	0.05368	1.02E-04	5.2E-06	0.00029	5.7E-08	0.0004	1.24E-04	6.36195E-06	0.000356	3.2E-08	4.87E-04	0.00011	4.89E-06	0.000766	3.31E-08
1419	494961.06	3858401.99	0.05496	0.0601	0.05406	0.05301	1.00E-04	5.1E-06	0.00029	5.7E-08	0.00039	1.23E-04	6.26706E-06	0.000351	3.16E-08	4.80E-04	0.000108	4.82E-06	0.000756	3.27E-08
1420	495011.06	3858401.99	0.05399	0.05894	0.05312	0.05216	9.84E-05	5E-06	0.00028	5.6E-08	0.00039	1.21E-04	6.1461E-06	0.000345	3.11E-08	4.72E-04	0.000106	4.73E-06	0.000743	3.22E-08
1421	495061.06	3858401.99	0.05325	0.05804	0.05241	0.05148	9.71E-05	4.9E-06	0.00028	5.5E-08	0.00038	1.19E-04	6.05225E-06	0.00034	3.07E-08	4.65E-04	0.000105	4.66E-06	0.000733	3.17E-08
1422	495111.06	3858401.99	0.05184	0.05639	0.05101	0.05025	9.45E-05	4.8E-06	0.00027	5.4E-08	0.00037	1.16E-04	5.88019E-06	0.000331	3E-08	4.53E-04	0.000102	4.52E-06	0.000714	3.1E-08
1423	495161.06	3858401.99	0.05159	0.05606	0.05081	0.04999	9.40E-05	4.8E-06	0.00027	5.3E-08	0.00037	1.15E-04	5.84578E-06	0.00033	2.98E-08	4.51E-04	0.000102	4.5E-06	0.000711	3.08E-08
1424	495211.06	3858401.99	0.05038	0.05465	0.04962	0.04893	9.18E-05	4.7E-06	0.00026	5.2E-08	0.00036	1.13E-04	5.69875E-06	0.000322	2.92E-08	4.41E-04	9.92E-05	4.38E-06	0.000694	3.02E-08
1425	495261.06	3858401.99	0.04973	0.05386	0.049	0.04835	9.06E-05	4.6E-06	0.00026	5.2E-08	0.00036	1.11E-04	5.61637E-06	0.000318	2.89E-08	4.35E-04	9.79E-05	4.32E-06	0.000685	2.98E-08
1426	495311.06	3858401.99	0.04905	0.05304	0.04834	0.04774	8.94E-05	4.5E-06	0.00026	5.1E-08	0.00035	1.10E-04	5.53086E-06	0.000314	2.85E-08	4.29E-04	9.66E-05	4.25E-06	0.000676	2.94E-08
1427	495361.06	3858401.99	0.04858	0.05247	0.04791	0.04731	8.86E-05	4.5E-06	0.00025	5E-08	0.00035	1.09E-04	5.47142E-06	0.000311	2.82E-08	4.25E-04	9.57E-05	4.21E-06	0.00067	2.92E-08
1428	495411.06	3858401.99	0.04833	0.05213	0.0477	0.04706	8.81E-05	4.4E-06	0.00025	5E-08	0.00035	1.08E-04	5.43597E-06	0.00031	2.81E-08	4.23E-04	9.52E-05	4.18E-06	0.000667	2.9E-08
1429	495461.06	3858401.99	0.04816	0.05189	0.04758	0.04687	8.78E-05	4.4E-06	0.00025	5E-08	0.00035	1.08E-04	5.41094E-06	0.000309	2.8E-08	4.22E-04	9.48E-05	4.16E-06	0.000666	2.89E-08
1430	495511.06	3858401.99	0.04792	0.05157	0.04737	0.04663	8.73E-05	4.4E-06	0.00025	5E-08	0.00034	1.07E-04	5.37757E-06	0.000308	2.78E-08	4.20E-04	9.44E-05	4.14E-06	0.000663	2.88E-08
1431	495561.06	3858401.99	0.0473	0.05085	0.04697	0.04615	8.62E-05	4.3E-06	0.00025	4.9E-08	0.00034	1.06E-04	5.30249E-06	0.000305	2.75E-08	4.16E-04	9.32E-05	4.08E-06	0.000657	2.85E-08
1432	495611.06	3858401.99	0.04707	0.05055	0.04682	0.04595	8.58E-05	4.3E-06	0.00025	4.9E-08	0.00034	1.05E-04	5.27121E-06	0.000304	2.74E-08	4.15E-04	9.27E-05	4.06E-06	0.000655	2.83E-08
1433	495661.06	3858401.99	0.04738	0.05082	0.04695	0.04604	8.64E-05	4.3E-06	0.00025	4.9E-08	0.00034	1.06E-04	5.29937E-06	0.000305	2.75E-08	4.16E-04	9.33E-05	4.08E-06	0.000657	2.84E-08
1434	494311.06	3858451.99	0.06609	0.07398	0.06439	0.06281	1.20E-04	6.3E-06	0.00034	6.7E-08	0.00047	1.48E-04	7.71443E-06	0.000418	3.75E-08	5.74E-04	0.00013	5.93E-06	0.000901	3.87E-08
1435	494361.06	3858451.99	0.06514	0.07281	0.06351	0.06196	1.19E-04	6.2E-06	0.00034	6.6E-08	0.00046	1.46E-04	7.59242E-06	0.000413	3.7E-08	5.66E-04	0.000128	5.84E-06	0.000888	3.82E-08
1436	494411.06	3858451.99	0.06434	0.07183	0.06278	0.06123	1.17E-04	6.1E-06	0.00033	6.5E-08	0.00046	1.44E-04	7.49023E-06	0.000408	3.65E-08	5.59E-04	0.000127	5.76E-06	0.000878	3.78E-08
1437	494461.06	3858451.99	0.06364	0.07096	0.06215	0.06059	1.16E-04	6E-06	0.00033	6.5E-08	0.00045	1.42E-04	7.39951E-06	0.000404	3.62E-08	5.53E-04	0.000125	5.69E-06	0.000869	3.74E-08
1438	494511.06	3858451.99	0.06322	0.07042	0.06181	0.06018	1.15E-04	6E-06	0.00033	6.4E-08	0.00045	1.41E-04	7.3432E-06	0.000401	3.59E-08	5.50E-04	0.000125	5.65E-06	0.000865	3.71E-08
1439	494561.06	3858451.99	0.06233	0.06932	0.06097	0.05936	1.14E-04	5.9E-06	0.00032	6.3E-08	0.00044	1.39E-04	7.22849E-06	0.000396	3.54E-08	5.43E-04	0.000123	5.56E-06	0.000853	3.66E-08
1440	494611.06	3858451.99	0.06166	0.06849	0.06036	0.05874	1.12E-04	5.8E-06	0.00032	6.3E-08	0.00044	1.38E-04	7.14194E-06	0.000392	3.51E-08	5.37E-04	0.000121	5.49E-06	0.000844	3.62E-08
1441	494661.06	3858451.99	0.06093	0.0676	0.05969	0.05809	1.11E-04	5.8E-06	0.00032	6.2E-08	0.00043	1.36E-04	7.04914E-06	0.000388	3.47E-08	5.31E-04	0.00012	5.42E-06	0.000835	3.58E-08
1442	494711.06	3858451.99	0.06	0.06646	0.05881	0.05726	1.09E-04	5.7E-06	0.00031	6.1E-08	0.00043	1.34E-04	6.93026E-06	0.000382	3.42E-08	5.23E-04	0.000118	5.33E-06	0.000823	3.53E-08
1443	494761.06	3858451.99	0.05905	0.06531	0.05791	0.05641	1.08E-04	5.6E-06	0.00031	6E-08	0.00042	1.32E-04	6.81034E-06	0.000376	3.37E-08	5.15E-04	0.000116	5.24E-06	0.00081	3.48E-08
1444	494811.06	3858451.99	0.0583	0.06439	0.05721	0.05574	1.06E-04	5.5E-06	0.0003	5.9E-08	0.00042	1.30E-04	6.71441E-06	0.000372	3.33E-08	5.09E-04	0.000115	5.17E-06	0.0008	3.44E-08
1445	494861.06	3858451.99	0.05745	0.06332	0.0564	0.05498	1.05E-04	5.4E-06	0.0003	5.9E-08	0.00041	1.28E-04	6.60283E-06	0.000366	3.28E-08	5.01E-04	0.000113	5.08E-06	0.000789	3.39E-08
1446	494911.06	3858451.99	0.05645	0.06213	0.05547	0.054	1.03E-04	5.3E-06	0.00029	5.8E-08	0.0004	1.26E-04	6.47874E-06	0.00036	3.22E-08	4.93E-04	0.000111	4.98E-06	0.000776	3.33E-08
1447	494961.06	3858451.99	0.05552	0.061	0.05454	0.05328	1.01E-04	5.2E-06	0.00029	5.7E-08	0.0004	1.24E-04	6.36091E-06	0.000354	3.18E-08	4.85E-04	0.000109	4.89E-06	0.000763	3.29E-08
1448	495011.06	3858451.99	0.05449	0.05977	0.05355	0.05239	9.93E-05	5.1E-06	0.00028	5.6E-08	0.00039	1.22E-04	6.23265E-06	0.000348	3.13E-08	4.76E-04	0.000107	4.79E-06	0.000749	3.23E-08
1449	495061.06	3858451.99	0.05402	0.05918	0.05312	0.05195	9.85E-05	5E-06	0.00028	5.5E-08	0.00039	1.21E-04	6.17112E-06	0.000345	3.1E-08	4.72E-04	0.000106	4.75E-06	0.000743	3.2E-08
1450	495111.06	3858451.99	0.05303	0.058	0.05216	0.05109	9.67E-05	4.9E-06	0.00028	5.5E-08	0.00038	1.18E-04	6.04808E-06	0.000339	3.05E-08	4.63E-04	0.000104	4.65E-06	0.00073	3.15E-08
1451	495161.06	3858451.99	0.05192	0.05669	0.05107	0.05012	9.46E-05	4.8E-06	0.00027	5.3E-08	0.00037	1.16E-04	5.91147E-06	0.000332	2.99E-08	4.54E-04	0.000102	4.55E-06	0.000714	3.09E-08
1452	495211.06	3858451.99	0.05093	0.05552	0.05011	0.04923	9.28E-05	4.7E-06	0.00027	5.3E-08	0.00036	1.14E-04	5.78947E-06	0.000325	2.94E-08	4.45E-04	0.0001	4.45E-06	0.000701	3.04E-08
1453	495261.06	3858451.99	0.05029	0.05474	0.04951	0.04866	9.17E-05	4.7E-06	0.00026	5.2E-08	0.00036	1.12E-04	5.70813E-06	0.000322	2.9E-08	4.40E-04	9.9E-05	4.39E-06	0.000693	3E-08
1454	495311.06	3858451.99	0.04977	0.0541	0.04902	0.04817	9.07E-05	4.6E-06	0.00026	5.1E-08	0.00036	1.11E-04	5.6414E-06	0.000318	2.87E-08	4.35E-04	9.8E-05	4.34E-06	0.000686	2.97E-08
1455	495361.06	3858451.99	0.04934	0.05356	0.04863	0.04777	8.99E-05	4.6E-06	0.00026	5.1E-08	0.00035	1.10E-04	5.58509E-06	0.000316	2.85E-08	4.32E-04	9.72E-05	4.3E-06	0.00068	2.95E-08
1456	495411.06	3858451.99	0.04914	0.05329	0.04848	0.04756	8.96E-05	4.5E-06	0.00026	5.1E-08	0.00035	1.10E-04	5.55693E-06	0.000315	2.84E-08	4.30E-04	9.68E-05	4.27E-06	0.000678	2.93E-08
1457	495461.06	3858451.99	0.049	0.05307	0.04838	0.04739	8.93E-05	4.5E-06	0.00026	5.1E-08	0.00035	1.09E-04	5.53399E-06	0.000314	2.83E-08	4.29E-04	9.65E-05	4.26E-06	0.000677	2.92E-08
1458	495511.06	3858451.99	0.04848	0.05244	0.0479	0.04693	8.84E-05	4.5E-06	0.00025	5E-08	0.00035	1.08E-04	5.46829E-06	0.000311	2.8E-08	4.25E-04	9.55E-05	4.21E-06	0.00067	2.89E-08
1459	495561.06	3858451.99	0.04855	0.05246	0.04801	0.04694	8.85E-05	4.5E-06	0.00026	5E-08	0.00035	1.08E-04	5.47038E-06	0.000312	2.8E-08	4.26E-04	9.56E-05	4.21E-06	0.000672	2.89E-08
1460	495611.06	3858451.99	0.04792	0.0517	0.04741	0.04638	8.73E-05	4.4E-06	0.00025	4.9E-08	0.00034	1.07E-04	5.39113E-06	0.000308	2.77E-08	4.20E-04	9.44E-05	4.15E-06	0.000663	2.86E-08

1461	495661.06	3858451.99	0.04785	0.05157	0.04738	0.04628	8.72E-05	4.4E-06	0.00025	4.9E-08	0.00034	1.07E-04	5.37757E-06	0.000308	2.76E-08	4.20E-04	9.42E-05	4.14E-06	0.000663	2.85E-08
1462	494311.06	3858501.99	0.0662	0.07432	0.06435	0.0627	1.21E-04	6.3E-06	0.00034	6.7E-08	0.00047	1.48E-04	7.74988E-06	0.000418	3.74E-08	5.74E-04	0.00013	5.96E-06	0.0009	3.87E-08
1463	494361.06	3858501.99	0.06558	0.07355	0.06381	0.06212	1.20E-04	6.3E-06	0.00034	6.6E-08	0.00046	1.46E-04	7.66959E-06	0.000414	3.71E-08	5.69E-04	0.000129	5.9E-06	0.000893	3.83E-08
1464	494411.06	3858501.99	0.06486	0.07266	0.06317	0.06147	1.18E-04	6.2E-06	0.00034	6.6E-08	0.00046	1.45E-04	7.57678E-06	0.00041	3.67E-08	5.63E-04	0.000128	5.83E-06	0.000884	3.79E-08
1465	494461.06	3858501.99	0.06441	0.07209	0.0628	0.06103	1.17E-04	6.1E-06	0.00033	6.5E-08	0.00046	1.44E-04	7.51734E-06	0.000408	3.64E-08	5.59E-04	0.000127	5.78E-06	0.000879	3.76E-08
1466	494511.06	3858501.99	0.06344	0.07091	0.06189	0.06017	1.16E-04	6E-06	0.00033	6.4E-08	0.00045	1.42E-04	7.39429E-06	0.000402	3.59E-08	5.51E-04	0.000125	5.69E-06	0.000866	3.71E-08
1467	494561.06	3858501.99	0.06351	0.07095	0.06205	0.06018	1.16E-04	6E-06	0.00033	6.4E-08	0.00045	1.42E-04	7.39847E-06	0.000403	3.59E-08	5.52E-04	0.000125	5.69E-06	0.000868	3.71E-08
1468	494611.06	3858501.99	0.06268	0.06993	0.06128	0.05943	1.14E-04	6E-06	0.00033	6.3E-08	0.00045	1.40E-04	7.2921E-06	0.000398	3.55E-08	5.45E-04	0.000123	5.61E-06	0.000857	3.66E-08
1469	494661.06	3858501.99	0.06214	0.06926	0.06081	0.05892	1.13E-04	5.9E-06	0.00032	6.3E-08	0.00044	1.39E-04	7.22224E-06	0.000395	3.52E-08	5.41E-04	0.000122	5.56E-06	0.000851	3.63E-08
1470	494711.06	3858501.99	0.06118	0.06809	0.05991	0.05807	1.12E-04	5.8E-06	0.00032	6.2E-08	0.00044	1.37E-04	7.10023E-06	0.000389	3.47E-08	5.33E-04	0.00012	5.46E-06	0.000838	3.58E-08
1471	494761.06	3858501.99	0.0601	0.06678	0.05887	0.0571	1.10E-04	5.7E-06	0.00031	6.1E-08	0.00043	1.34E-04	6.96363E-06	0.000382	3.41E-08	5.24E-04	0.000118	5.36E-06	0.000824	3.52E-08
1472	494811.06	3858501.99	0.0591	0.06558	0.05792	0.05622	1.08E-04	5.6E-06	0.00031	6E-08	0.00042	1.32E-04	6.8385E-06	0.000376	3.36E-08	5.15E-04	0.000116	5.26E-06	0.00081	3.47E-08
1473	494861.06	3858501.99	0.05841	0.06473	0.05729	0.0556	1.06E-04	5.5E-06	0.0003	5.9E-08	0.00042	1.30E-04	6.74986E-06	0.000372	3.32E-08	5.09E-04	0.000115	5.19E-06	0.000801	3.43E-08
1474	494911.06	3858501.99	0.05705	0.06311	0.05596	0.05442	1.04E-04	5.4E-06	0.0003	5.8E-08	0.00041	1.27E-04	6.58093E-06	0.000363	3.25E-08	4.98E-04	0.000112	5.06E-06	0.000783	3.36E-08
1475	494961.06	3858501.99	0.05636	0.06222	0.05532	0.0538	1.03E-04	5.3E-06	0.00029	5.7E-08	0.0004	1.26E-04	6.48813E-06	0.000359	3.21E-08	4.92E-04	0.000111	4.99E-06	0.000774	3.32E-08
1476	495011.06	3858501.99	0.0552	0.06084	0.0542	0.0528	1.01E-04	5.2E-06	0.00029	5.6E-08	0.00039	1.23E-04	6.34422E-06	0.000352	3.15E-08	4.82E-04	0.000109	4.88E-06	0.000758	3.26E-08
1477	495061.06	3858501.99	0.05472	0.06024	0.05376	0.05235	9.97E-05	5.1E-06	0.00029	5.6E-08	0.00039	1.22E-04	6.28166E-06	0.000349	3.12E-08	4.78E-04	0.000108	4.83E-06	0.000752	3.23E-08
1478	495111.06	3858501.99	0.05329	0.05855	0.05235	0.05113	9.71E-05	5E-06	0.00028	5.5E-08	0.00038	1.19E-04	6.10543E-06	0.00034	3.05E-08	4.65E-04	0.000105	4.7E-06	0.000732	3.15E-08
1479	495161.06	3858501.99	0.05238	0.05747	0.05147	0.05034	9.55E-05	4.9E-06	0.00027	5.4E-08	0.00037	1.17E-04	5.99281E-06	0.000334	3E-08	4.57E-04	0.000103	4.61E-06	0.00072	3.1E-08
1480	495211.06	3858501.99	0.0515	0.05642	0.05062	0.04958	9.39E-05	4.8E-06	0.00027	5.3E-08	0.00037	1.15E-04	5.88332E-06	0.000329	2.96E-08	4.50E-04	0.000101	4.53E-06	0.000708	3.06E-08
1481	495261.06	3858501.99	0.05088	0.05566	0.05004	0.049	9.27E-05	4.7E-06	0.00027	5.2E-08	0.00036	1.14E-04	5.80407E-06	0.000325	2.92E-08	4.45E-04	0.0001	4.46E-06	0.0007	3.02E-08
1482	495311.06	3858501.99	0.05052	0.05521	0.04972	0.04866	9.21E-05	4.7E-06	0.00026	5.2E-08	0.00036	1.13E-04	5.75714E-06	0.000323	2.9E-08	4.42E-04	9.95E-05	4.43E-06	0.000696	3E-08
1483	495361.06	3858501.99	0.05019	0.05478	0.04944	0.04834	9.15E-05	4.7E-06	0.00026	5.2E-08	0.00036	1.12E-04	5.7123E-06	0.000321	2.89E-08	4.39E-04	9.88E-05	4.39E-06	0.000692	2.98E-08
1484	495411.06	3858501.99	0.04997	0.05448	0.04926	0.04812	9.11E-05	4.6E-06	0.00026	5.1E-08	0.00036	1.12E-04	5.68102E-06	0.00032	2.87E-08	4.37E-04	9.84E-05	4.37E-06	0.000689	2.97E-08
1485	495461.06	3858501.99	0.04976	0.05418	0.04909	0.0479	9.07E-05	4.6E-06	0.00026	5.1E-08	0.00036	1.11E-04	5.64974E-06	0.000319	2.86E-08	4.36E-04	9.8E-05	4.35E-06	0.000687	2.95E-08
1486	495511.06	3858501.99	0.04942	0.05375	0.0488	0.04756	9.01E-05	4.6E-06	0.00026	5.1E-08	0.00035	1.10E-04	5.6049E-06	0.000317	2.84E-08	4.33E-04	9.73E-05	4.31E-06	0.000683	2.93E-08
1487	495561.06	3858501.99	0.04947	0.05375	0.04889	0.04758	9.02E-05	4.6E-06	0.00026	5.1E-08	0.00035	1.11E-04	5.6049E-06	0.000318	2.84E-08	4.34E-04	9.74E-05	4.31E-06	0.000684	2.93E-08
1488	495611.06	3858501.99	0.0489	0.05306	0.04859	0.04716	8.91E-05	4.5E-06	0.00026	5E-08	0.00035	1.09E-04	5.53295E-06	0.000316	2.81E-08	4.30E-04	9.63E-05	4.26E-06	0.00068	2.91E-08
1489	495661.06	3858501.99	0.04885	0.05295	0.04836	0.04696	8.90E-05	4.5E-06	0.00026	5E-08	0.00035	1.09E-04	5.52148E-06	0.000314	2.8E-08	4.29E-04	9.62E-05	4.25E-06	0.000677	2.9E-08
1490	494311.06	3858551.99	0.06499	0.0731	0.06328	0.06153	1.18E-04	6.2E-06	0.00034	6.6E-08	0.00046	1.45E-04	7.62266E-06	0.000411	3.67E-08	5.64E-04	0.000128	5.86E-06	0.000885	3.79E-08
1491	494361.06	3858551.99	0.06539	0.07354	0.06377	0.06181	1.19E-04	6.3E-06	0.00034	6.6E-08	0.00046	1.46E-04	7.66854E-06	0.000414	3.69E-08	5.68E-04	0.000129	5.9E-06	0.000892	3.81E-08
1492	494411.06	3858551.99	0.06576	0.07392	0.06394	0.06205	1.20E-04	6.3E-06	0.00034	6.6E-08	0.00047	1.47E-04	7.70817E-06	0.000415	3.7E-08	5.70E-04	0.00013	5.93E-06	0.000894	3.83E-08
1493	494461.06	3858551.99	0.06557	0.07365	0.06383	0.06184	1.20E-04	6.3E-06	0.00034	6.6E-08	0.00046	1.46E-04	7.68001E-06	0.000415	3.69E-08	5.69E-04	0.000129	5.91E-06	0.000893	3.81E-08
1494	494511.06	3858551.99	0.06503	0.07298	0.06337	0.06133	1.19E-04	6.2E-06	0.00034	6.5E-08	0.00046	1.45E-04	7.61015E-06	0.000412	3.66E-08	5.65E-04	0.000128	5.85E-06	0.000886	3.78E-08
1495	494561.06	3858551.99	0.06459	0.07243	0.06301	0.06091	1.18E-04	6.2E-06	0.00033	6.5E-08	0.00046	1.44E-04	7.5528E-06	0.000409	3.64E-08	5.61E-04	0.000127	5.81E-06	0.000881	3.76E-08
1496	494611.06	3858551.99	0.06393	0.07162	0.06242	0.06031	1.17E-04	6.1E-06	0.00033	6.4E-08	0.00045	1.43E-04	7.46833E-06	0.000405	3.6E-08	5.56E-04	0.000126	5.75E-06	0.000873	3.72E-08
1497	494661.06	3858551.99	0.06335	0.0709	0.06191	0.05977	1.15E-04	6E-06	0.00033	6.4E-08	0.00045	1.42E-04	7.39325E-06	0.000402	3.57E-08	5.51E-04	0.000125	5.69E-06	0.000866	3.69E-08
1498	494711.06	3858551.99	0.06228	0.0696	0.0609	0.05882	1.14E-04	5.9E-06	0.00032	6.3E-08	0.00044	1.39E-04	7.25769E-06	0.000396	3.51E-08	5.42E-04	0.000123	5.58E-06	0.000852	3.63E-08
1499	494761.06	3858551.99	0.06122	0.06832	0.0599	0.05789	1.12E-04	5.8E-06	0.00032	6.2E-08	0.00044	1.37E-04	7.12422E-06	0.000389	3.46E-08	5.33E-04	0.000121	5.48E-06	0.000838	3.57E-08
1500	494811.06	3858551.99	0.0604	0.06733	0.05914	0.05716	1.10E-04	5.7E-06	0.00031	6.1E-08	0.00043	1.35E-04	7.02098E-06	0.000384	3.41E-08	5.26E-04	0.000119	5.4E-06	0.000827	3.52E-08
1501	494861.06	3858551.99	0.05935	0.06606	0.05814	0.05623	1.08E-04	5.6E-06	0.00031	6E-08	0.00042	1.33E-04	6.88855E-06	0.000378	3.36E-08	5.17E-04	0.000117	5.3E-06	0.000813	3.47E-08
1502	494911.06	3858551.99	0.05815	0.06462	0.05699	0.05517	1.06E-04	5.5E-06	0.0003	5.9E-08	0.00041	1.30E-04	6.73839E-06	0.00037	3.29E-08	5.07E-04	0.000115	5.18E-06	0.000797	3.4E-08
1503	494961.06	3858551.99	0.05721	0.06349	0.05609	0.05434	1.04E-04	5.4E-06	0.0003	5.8E-08	0.00041	1.28E-04	6.62056E-06	0.000364	3.24E-08	4.99E-04	0.000113	5.09E-06	0.000785	3.35E-08
1504	495011.06	3858551.99	0.056	0.06205	0.05492	0.05329	1.02E-04	5.3E-06	0.00029	5.7E-08	0.0004	1.25E-04	6.4704E-06	0.000357	3.18E-08	4.88E-04	0.00011	4.98E-06	0.000768	3.29E-08
1505	495061.06	3858551.99	0.05528	0.06111	0.05424	0.05264	1.01E-04	5.2E-06	0.00029	5.6E-08	0.00039	1.23E-04	6.37238E-06	0.000352	3.14E-08	4.82E-04	0.000109	4.9E-06	0.000759	3.25E-08
1506	495111.06	3858551.99	0.05384	0.05943	0.05284	0.05142	9.81E-05	5.1E-06	0.00028	5.5E-08	0.00038	1.20E-04	6.19719E-06	0.000343	3.07E-08	4.70E-04	0.000106	4.77E-06	0.000739	3.17E-08
1507	495161.06	3858551.99	0.05293	0.05833	0.05195	0.05062	9.65E-05	5E-06	0.00028	5.4E-08	0.00038	1.18E-04	6.08249E-06	0.000337	3.02E-08	4.62E-04	0.000104	4.68E-06	0.000727	3.12E-08
1508	495211.06	3858551.99	0.05213	0.05737	0.05119	0.04992	9.50E-05	4.9E-06	0.00027	5.3E-08	0.00037	1.16E-04	5.98238E-06	0.000332	2.98E-08	4.55E-04	0.000103	4.6E-06	0.000716	3.08E-08
1509	495261.06	3858551.99	0.05157	0.0567	0.05068	0.04943	9.40E-05	4.8E-06	0.00027	5.3E-08	0.00037	1.15E-04	5.91252E-06	0.000329	2.95E-08	4.50E-04	0.000102	4.55E-06	0.000709	3.05E-08
1510	495311.06	3858551.99	0.05131	0.05634	0.05046	0.04916	9.35E-05	4.8E-06	0.00027	5.2E-08	0.00037	1.15E-04	5.87498E-06	0.000328	2.93E-08	4.48E-04	0.000101	4.52E-06	0.000706	3.03E-08
1511	495361.06	3858551.99	0.05098	0.05592	0.05018	0.04885	9.29E-05	4.8E-06	0.00027	5.2E-08	0.00036	1.14E-04	5.83118E-06	0.000326	2.92E-08	4.46E-04	0.0001	4.49E-06	0.000702	3.01E-08
1512	495411.06	3858551.99	0.05084	0.05571	0.05008	0.04869	9.27E-05	4.7E-06	0.00027	5.2E-08	0.00036	1.14E-04	5.80928E-06	0.000325	2.91E-08	4.45E-04	0.0001	4.47E-06	0.000701	3E-08
1513	495461.06	3858551.99	0.05057	0.05536	0.04986	0.04843	9.22E-05	4.7E-06	0.00026	5.2E-08	0.00036	1.13E-04	5.77278E-06	0.000324	2.89E-08	4.43E-04	9.96E-05	4.44E-06	0.000697	2.99E-08
1514	495511.06	3858551.99	0.05045	0.05517	0.04979	0.04829	9.20E-05	4.7E-06	0.00026	5.2E-08	0.00036	1.13E-04	5.75297E-06	0.000323	2.88E-08	4.42E-04	9.94E-05	4.43E-06	0.000697	2.98E-08
1515	495561.06	3858551.99	0.05018	0.05482	0.04957	0.04803	9.15E-05	4.7E-06	0.00026	5.1E-08	0.00036	1.12E-04	5.71647E-06	0.000322	2.87E-08	4.40E-04	9.88E-05	4.4E-06	0.000693	2.96E-08
1516	495611.06	3858551.99	0.04985	0.05438	0.04927	0.04771	9.09E-05	4.6E-06	0.00026	5.1E-08	0.00036	1.11E-04	5.67059E-06	0.00032	2.85E-08	4.37E-04	9.82E-05	4.36E-06	0.000689	2.94E-08
1517	495661.06	3858551.99	0.04946	0.0539	0.04892	0.04736	9.02E-05	4.6E-06	0.00026	5.1E-08	0.00035	1.10E-04	5.62054E-06	0.000318	2.83E-08	4.34E-04	9.74E-05	4.32E-06	0.000684	2.92E-08
1518	494311.06	3858601.99	0.06161	0.06923	0.05942	0.0585	1.12E-04	5.9E-06	0.00032	6.2E-08	0.00043	1.38E-04	7.21911E-06	0.000386	3.49E-08	5.31E-04	0.000121	5.55E-06	0.000831	3.61E-08
1519	494361.06	3858601.99	0.06478	0.07297	0.063	0.06115	1.18E-04	6.2E-06	0.00033	6.5E-08	0.00046	1.45E-04	7.60911E-06	0.000409	3.65E-08	5.62E-04	0.000128	5.85E-06	0.000881	3.77E-08
1520	494411.06	3858601.99	0.06705	0.07559	0.06508	0.06303	1.22E-04	6.4E-06	0.00035	6.7E-08	0.00047	1.50E-04	7.88231E-06	0.000423	3.76E-08	5.80E-04	0.000132	6.06E-06	0.00091	3.89E-08
1521	494461.06	3858601.99	0.06681	0.07528	0.06493	0.06279	1.22E-04	6.4E-06	0.00034	6.7E-08	0.00047	1.49E-04	7.84999E-06	0.000422	3.75E-08	5.79E-04	0.000132	6.04E-06	0.000908	3.87E-08

1522	494511.06	3858601.99	0.06599	0.07431	0.06424	0.06186	1.20E-04	6.3E-06	0.00034	6.6E-08	0.00047	1.47E-04	7.74884E-06	0.000417	3.69E-08	5.72E-04	0.00013	5.96E-06	0.000899	3.81E-08
1523	494561.06	3858601.99	0.06596	0.07423	0.06425	0.06199	1.20E-04	6.3E-06	0.00034	6.6E-08	0.00047	1.47E-04	7.74049E-06	0.000417	3.7E-08	5.72E-04	0.00013	5.95E-06	0.000899	3.82E-08
1524	494611.06	3858601.99	0.06507	0.07314	0.06343	0.06117	1.19E-04	6.2E-06	0.00034	6.5E-08	0.00046	1.45E-04	7.62683E-06	0.000412	3.65E-08	5.65E-04	0.000128	5.87E-06	0.000887	3.77E-08
1525	494661.06	3858601.99	0.06441	0.07234	0.06285	0.06057	1.17E-04	6.2E-06	0.00033	6.5E-08	0.00046	1.44E-04	7.54341E-06	0.000408	3.62E-08	5.60E-04	0.000127	5.8E-06	0.000879	3.73E-08
1526	494711.06	3858601.99	0.06341	0.07112	0.06192	0.05964	1.16E-04	6.1E-06	0.00033	6.4E-08	0.00045	1.42E-04	7.41619E-06	0.000402	3.56E-08	5.51E-04	0.000125	5.71E-06	0.000866	3.68E-08
1527	494761.06	3858601.99	0.06241	0.06992	0.06099	0.05875	1.14E-04	5.9E-06	0.00032	6.3E-08	0.00044	1.39E-04	7.29106E-06	0.000396	3.51E-08	5.43E-04	0.000123	5.61E-06	0.000853	3.62E-08
1528	494811.06	3858601.99	0.06094	0.06815	0.05957	0.05745	1.11E-04	5.8E-06	0.00032	6.1E-08	0.00043	1.36E-04	7.10649E-06	0.000387	3.43E-08	5.30E-04	0.00012	5.47E-06	0.000833	3.54E-08
1529	494861.06	3858601.99	0.06015	0.0672	0.05885	0.05675	1.10E-04	5.7E-06	0.00031	6.1E-08	0.00043	1.34E-04	7.00743E-06	0.000382	3.39E-08	5.24E-04	0.000118	5.39E-06	0.000823	3.5E-08
1530	494911.06	3858601.99	0.05879	0.06557	0.05753	0.05556	1.07E-04	5.6E-06	0.00031	5.9E-08	0.00042	1.31E-04	6.83745E-06	0.000374	3.32E-08	5.12E-04	0.000116	5.26E-06	0.000805	3.43E-08
1531	494961.06	3858601.99	0.05783	0.06442	0.05663	0.0547	1.05E-04	5.5E-06	0.0003	5.8E-08	0.00041	1.29E-04	6.71754E-06	0.000368	3.26E-08	5.04E-04	0.000114	5.17E-06	0.000792	3.37E-08
1532	495011.06	3858601.99	0.05684	0.06323	0.05569	0.05383	1.04E-04	5.4E-06	0.0003	5.7E-08	0.0004	1.27E-04	6.59345E-06	0.000362	3.21E-08	4.95E-04	0.000112	5.07E-06	0.000779	3.32E-08
1533	495061.06	3858601.99	0.05581	0.062	0.0547	0.05293	1.02E-04	5.3E-06	0.00029	5.6E-08	0.0004	1.25E-04	6.46518E-06	0.000355	3.16E-08	4.86E-04	0.00011	4.97E-06	0.000765	3.26E-08
1534	495111.06	3858601.99	0.05428	0.0602	0.0532	0.05163	9.89E-05	5.1E-06	0.00028	5.5E-08	0.00039	1.21E-04	6.27749E-06	0.000346	3.08E-08	4.73E-04	0.000107	4.83E-06	0.000744	3.18E-08
1535	495161.06	3858601.99	0.05348	0.05918	0.05244	0.05092	9.75E-05	5E-06	0.00028	5.4E-08	0.00038	1.19E-04	6.17112E-06	0.000341	3.04E-08	4.66E-04	0.000105	4.75E-06	0.000734	3.14E-08
1536	495211.06	3858601.99	0.05296	0.05855	0.05197	0.05046	9.65E-05	5E-06	0.00028	5.4E-08	0.00038	1.18E-04	6.10543E-06	0.000338	3.01E-08	4.62E-04	0.000104	4.7E-06	0.000727	3.11E-08
1537	495261.06	3858601.99	0.05237	0.05783	0.05142	0.04992	9.55E-05	4.9E-06	0.00027	5.3E-08	0.00037	1.17E-04	6.03035E-06	0.000334	2.98E-08	4.57E-04	0.000103	4.64E-06	0.000719	3.08E-08
1538	495311.06	3858601.99	0.05194	0.05729	0.05104	0.04953	9.47E-05	4.9E-06	0.00027	5.3E-08	0.00037	1.16E-04	5.97404E-06	0.000332	2.96E-08	4.54E-04	0.000102	4.6E-06	0.000714	3.05E-08
1539	495361.06	3858601.99	0.05171	0.05698	0.05085	0.04929	9.43E-05	4.8E-06	0.00027	5.3E-08	0.00037	1.16E-04	5.94171E-06	0.00033	2.94E-08	4.52E-04	0.000102	4.57E-06	0.000711	3.04E-08
1540	495411.06	3858601.99	0.05147	0.05667	0.05067	0.04906	9.38E-05	4.8E-06	0.00027	5.2E-08	0.00037	1.15E-04	5.90939E-06	0.000329	2.93E-08	4.50E-04	0.000101	4.55E-06	0.000709	3.02E-08
1541	495461.06	3858601.99	0.05129	0.05642	0.05053	0.04887	9.35E-05	4.8E-06	0.00027	5.2E-08	0.00037	1.15E-04	5.88332E-06	0.000328	2.92E-08	4.49E-04	0.000101	4.53E-06	0.000707	3.01E-08
1542	495511.06	3858601.99	0.05085	0.05587	0.05013	0.04847	9.27E-05	4.8E-06	0.00027	5.2E-08	0.00036	1.14E-04	5.82597E-06	0.000326	2.89E-08	4.45E-04	0.0001	4.48E-06	0.000701	2.99E-08
1543	495561.06	3858601.99	0.05079	0.05575	0.05012	0.04837	9.26E-05	4.7E-06	0.00027	5.2E-08	0.00036	1.13E-04	5.81345E-06	0.000326	2.89E-08	4.45E-04	0.0001	4.47E-06	0.000701	2.98E-08
1544	495611.06	3858601.99	0.05026	0.0551	0.04962	0.0479	9.16E-05	4.7E-06	0.00026	5.1E-08	0.00036	1.12E-04	5.74567E-06	0.000322	2.86E-08	4.40E-04	9.9E-05	4.42E-06	0.000694	2.95E-08
1545	495661.06	3858601.99	0.05012	0.05489	0.04953	0.04775	9.14E-05	4.7E-06	0.00026	5.1E-08	0.00036	1.12E-04	5.72377E-06	0.000322	2.85E-08	4.39E-04	9.87E-05	4.4E-06	0.000693	2.94E-08
1546	494311.06	3858651.99	0.06087	0.06846	0.05852	0.05769	1.11E-04	5.8E-06	0.00031	6.2E-08	0.00043	1.36E-04	7.13882E-06	0.00038	3.44E-08	5.23E-04	0.00012	5.49E-06	0.000819	3.56E-08
1547	494361.06	3858651.99	0.06396	0.07212	0.06201	0.06028	1.17E-04	6.1E-06	0.00033	6.4E-08	0.00045	1.43E-04	7.52047E-06	0.000403	3.6E-08	5.53E-04	0.000126	5.79E-06	0.000867	3.72E-08
1548	494411.06	3858651.99	0.06747	0.07628	0.06559	0.06325	1.23E-04	6.5E-06	0.00035	6.7E-08	0.00048	1.51E-04	7.95426E-06	0.000426	3.78E-08	5.85E-04	0.000133	6.12E-06	0.000918	3.9E-08
1549	494461.06	3858651.99	0.06774	0.07652	0.06569	0.06348	1.23E-04	6.5E-06	0.00035	6.8E-08	0.00048	1.51E-04	7.97929E-06	0.000427	3.79E-08	5.86E-04	0.000133	6.14E-06	0.000919	3.91E-08
1550	494511.06	3858651.99	0.06718	0.07584	0.06523	0.06297	1.22E-04	6.5E-06	0.00035	6.7E-08	0.00048	1.50E-04	7.90838E-06	0.000424	3.76E-08	5.82E-04	0.000132	6.08E-06	0.000913	3.88E-08
1551	494561.06	3858651.99	0.06683	0.07539	0.06496	0.06263	1.22E-04	6.4E-06	0.00035	6.7E-08	0.00047	1.49E-04	7.86146E-06	0.000422	3.74E-08	5.79E-04	0.000132	6.05E-06	0.000909	3.86E-08
1552	494611.06	3858651.99	0.06629	0.07473	0.06451	0.06213	1.21E-04	6.4E-06	0.00034	6.6E-08	0.00047	1.48E-04	7.79263E-06	0.000419	3.71E-08	5.75E-04	0.000131	5.99E-06	0.000902	3.83E-08
1553	494661.06	3858651.99	0.06546	0.07372	0.06376	0.06137	1.19E-04	6.3E-06	0.00034	6.5E-08	0.00046	1.46E-04	7.68731E-06	0.000414	3.66E-08	5.68E-04	0.000129	5.91E-06	0.000892	3.78E-08
1554	494711.06	3858651.99	0.06432	0.07235	0.0627	0.06034	1.17E-04	6.2E-06	0.00033	6.4E-08	0.00046	1.44E-04	7.54445E-06	0.000407	3.6E-08	5.59E-04	0.000127	5.8E-06	0.000877	3.72E-08
1555	494761.06	3858651.99	0.06342	0.07127	0.06189	0.05953	1.16E-04	6.1E-06	0.00033	6.4E-08	0.00045	1.42E-04	7.43183E-06	0.000402	3.55E-08	5.51E-04	0.000125	5.72E-06	0.000866	3.67E-08
1556	494811.06	3858651.99	0.06211	0.06969	0.06064	0.05836	1.13E-04	5.9E-06	0.00032	6.2E-08	0.00044	1.39E-04	7.26708E-06	0.000394	3.48E-08	5.40E-04	0.000122	5.59E-06	0.000848	3.6E-08
1557	494861.06	3858651.99	0.06091	0.06825	0.0595	0.05726	1.11E-04	5.8E-06	0.00032	6.1E-08	0.00043	1.36E-04	7.11692E-06	0.000386	3.42E-08	5.30E-04	0.00012	5.47E-06	0.000832	3.53E-08
1558	494911.06	3858651.99	0.05958	0.06667	0.05824	0.05609	1.09E-04	5.7E-06	0.00031	6E-08	0.00042	1.33E-04	6.95216E-06	0.000378	3.35E-08	5.18E-04	0.000117	5.35E-06	0.000815	3.46E-08
1559	494961.06	3858651.99	0.05839	0.06525	0.0571	0.05505	1.06E-04	5.6E-06	0.0003	5.9E-08	0.00042	1.30E-04	6.80409E-06	0.000371	3.29E-08	5.08E-04	0.000115	5.23E-06	0.000799	3.39E-08
1560	495011.06	3858651.99	0.05747	0.06414	0.05623	0.05424	1.05E-04	5.5E-06	0.0003	5.8E-08	0.00041	1.28E-04	6.68834E-06	0.000365	3.24E-08	5.00E-04	0.000113	5.15E-06	0.000787	3.34E-08
1561	495061.06	3858651.99	0.05643	0.0629	0.05524	0.05331	1.03E-04	5.4E-06	0.00029	5.7E-08	0.0004	1.26E-04	6.55903E-06	0.000359	3.18E-08	4.91E-04	0.000111	5.05E-06	0.000773	3.29E-08
1562	495111.06	3858651.99	0.05521	0.06145	0.05406	0.05225	1.01E-04	5.2E-06	0.00029	5.6E-08	0.00039	1.23E-04	6.40783E-06	0.000351	3.12E-08	4.81E-04	0.000109	4.93E-06	0.000756	3.22E-08
1563	495161.06	3858651.99	0.05444	0.06053	0.05334	0.05158	9.92E-05	5.2E-06	0.00028	5.5E-08	0.00039	1.22E-04	6.3119E-06	0.000346	3.08E-08	4.74E-04	0.000107	4.86E-06	0.000746	3.18E-08
1564	495211.06	3858651.99	0.05353	0.05945	0.05247	0.05078	9.76E-05	5.1E-06	0.00028	5.4E-08	0.00038	1.20E-04	6.19928E-06	0.000341	3.03E-08	4.67E-04	0.000105	4.77E-06	0.000734	3.13E-08
1565	495261.06	3858651.99	0.05328	0.05912	0.05227	0.05053	9.71E-05	5E-06	0.00028	5.4E-08	0.00038	1.19E-04	6.16487E-06	0.00034	3.02E-08	4.65E-04	0.000105	4.74E-06	0.000731	3.12E-08
1566	495311.06	3858651.99	0.05282	0.05856	0.05186	0.05011	9.63E-05	5E-06	0.00028	5.3E-08	0.00038	1.18E-04	6.10647E-06	0.000337	2.99E-08	4.61E-04	0.000104	4.7E-06	0.000725	3.09E-08
1567	495361.06	3858651.99	0.05256	0.05822	0.05165	0.04986	9.58E-05	5E-06	0.00027	5.3E-08	0.00038	1.17E-04	6.07102E-06	0.000335	2.98E-08	4.59E-04	0.000104	4.67E-06	0.000723	3.07E-08
1568	495411.06	3858651.99	0.0524	0.05799	0.05154	0.04968	9.55E-05	4.9E-06	0.00027	5.3E-08	0.00037	1.17E-04	6.04703E-06	0.000335	2.97E-08	4.58E-04	0.000103	4.65E-06	0.000721	3.06E-08
1569	495461.06	3858651.99	0.05236	0.05791	0.05155	0.04961	9.54E-05	4.9E-06	0.00027	5.3E-08	0.00037	1.17E-04	6.03869E-06	0.000335	2.96E-08	4.58E-04	0.000103	4.65E-06	0.000721	3.06E-08
1570	495511.06	3858651.99	0.05183	0.05721	0.05106	0.04914	9.45E-05	4.9E-06	0.00027	5.2E-08	0.00037	1.16E-04	5.9657E-06	0.000332	2.93E-08	4.53E-04	0.000102	4.59E-06	0.000714	3.03E-08
1571	495561.06	3858651.99	0.05146	0.05673	0.05073	0.04879	9.38E-05	4.8E-06	0.00027	5.2E-08	0.00037	1.15E-04	5.91564E-06	0.00033	2.91E-08	4.50E-04	0.000101	4.55E-06	0.00071	3.01E-08
1572	495611.06	3858651.99	0.05085	0.056	0.05016	0.04825	9.27E-05	4.8E-06	0.00027	5.1E-08	0.00036	1.14E-04	5.83952E-06	0.000326	2.88E-08	4.45E-04	0.0001	4.49E-06	0.000702	2.97E-08
1573	495661.06	3858651.99	0.05068	0.05576	0.05003	0.04808	9.24E-05	4.7E-06	0.00027	5.1E-08	0.00036	1.13E-04	5.8145E-06	0.000325	2.87E-08	4.44E-04	9.98E-05	4.47E-06	0.0007	2.96E-08
1574	494311.06	3858701.99	0.06162	0.06943	0.0591	0.05811	1.12E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.38E-04	7.23996E-06	0.000384	3.47E-08	5.29E-04	0.000121	5.57E-06	0.000827	3.58E-08
1575	494361.06	3858701.99	0.06589	0.07454	0.06375	0.06175	1.20E-04	6.3E-06	0.00034	6.6E-08	0.00047	1.47E-04	7.77282E-06	0.000414	3.69E-08	5.69E-04	0.00013	5.98E-06	0.000892	3.81E-08
1576	494411.06	3858701.99	0.0683	0.07739	0.06621	0.06386	1.24E-04	6.6E-06	0.00035	6.8E-08	0.00048	1.53E-04	8.07001E-06	0.00043	3.81E-08	5.91E-04	0.000135	6.21E-06	0.000926	3.94E-08
1577	494461.06	3858701.99	0.06823	0.0773	0.06624	0.06381	1.24E-04	6.6E-06	0.00035	6.8E-08	0.00048	1.52E-04	8.06063E-06	0.00043	3.81E-08	5.91E-04	0.000134	6.2E-06	0.000927	3.93E-08
1578	494511.06	3858701.99	0.06811	0.07707	0.06596	0.06371	1.24E-04	6.6E-06	0.00035	6.8E-08	0.00048	1.52E-04	8.03664E-06	0.000428	3.8E-08	5.89E-04	0.000134	6.18E-06	0.000923	3.93E-08
1579	494561.06	3858701.99	0.0676	0.07644	0.06556	0.06324	1.23E-04	6.5E-06	0.00035	6.7E-08	0.00048	1.51E-04	7.97095E-06	0.000426	3.77E-08	5.85E-04	0.000133	6.13E-06	0.000917	3.9E-08
1580	494611.06	3858701.99	0.06624	0.0748	0.0643	0.062	1.21E-04	6.4E-06	0.00034	6.6E-08	0.00047	1.48E-04	7.79993E-06	0.000418	3.7E-08	5.73E-04	0.00013	6E-06	0.000899	3.82E-08
1581	494661.06	3858701.99	0.06611	0.07462	0.06426	0.06187	1.21E-04	6.3E-06	0.00034	6.6E-08	0.00047	1.48E-04	7.78116E-06	0.000417	3.69E-08	5.73E-04	0.00013	5.99E-06	0.000899	3.81E-08
1582	494711.06	3858701.99	0.06325	0.07121	0.0615	0.0593	1.15E-04	6.1E-06	0.00033	6.3E-08	0.00045	1.41E-04	7.42558E-06	0.000399	3.54E-08	5.48E-04	0.000125	5.71E-06	0.00086	3.66E-08

1583	494761.06	3858701.99	0.06379	0.07183	0.06212	0.05976	1.16E-04	6.1E-06	0.00033	6.4E-08	0.00045	1.42E-04	7.49023E-06	0.000403	3.57E-08	5.54E-04	0.000126	5.76E-06	0.000869	3.68E-08
1584	494811.06	3858701.99	0.06248	0.07026	0.06089	0.05858	1.14E-04	6E-06	0.00032	6.2E-08	0.00044	1.40E-04	7.32651E-06	0.000395	3.5E-08	5.42E-04	0.000123	5.64E-06	0.000852	3.61E-08
1585	494861.06	3858701.99	0.06143	0.069	0.05991	0.05764	1.12E-04	5.9E-06	0.00032	6.1E-08	0.00044	1.37E-04	7.19512E-06	0.000389	3.44E-08	5.34E-04	0.000121	5.54E-06	0.000838	3.55E-08
1586	494911.06	3858701.99	0.06052	0.06791	0.05907	0.05679	1.10E-04	5.8E-06	0.00031	6.1E-08	0.00043	1.35E-04	7.08146E-06	0.000384	3.39E-08	5.26E-04	0.000119	5.45E-06	0.000826	3.5E-08
1587	494961.06	3858701.99	0.05873	0.06578	0.05734	0.05522	1.07E-04	5.6E-06	0.0003	5.9E-08	0.00042	1.31E-04	6.85935E-06	0.000372	3.3E-08	5.11E-04	0.000116	5.28E-06	0.000802	3.4E-08
1588	495011.06	3858701.99	0.05761	0.06444	0.05627	0.05423	1.05E-04	5.5E-06	0.0003	5.8E-08	0.00041	1.29E-04	6.71962E-06	0.000365	3.24E-08	5.01E-04	0.000113	5.17E-06	0.000787	3.34E-08
1589	495061.06	3858701.99	0.0571	0.06383	0.05582	0.05376	1.04E-04	5.4E-06	0.0003	5.7E-08	0.00041	1.28E-04	6.65601E-06	0.000363	3.21E-08	4.97E-04	0.000112	5.12E-06	0.000781	3.31E-08
1590	495111.06	3858701.99	0.0558	0.06228	0.05457	0.05263	1.02E-04	5.3E-06	0.00029	5.6E-08	0.0004	1.25E-04	6.49438E-06	0.000354	3.14E-08	4.86E-04	0.00011	5E-06	0.000763	3.25E-08
1591	495161.06	3858701.99	0.05515	0.0615	0.05397	0.05203	1.01E-04	5.2E-06	0.00029	5.6E-08	0.00039	1.23E-04	6.41305E-06	0.000351	3.11E-08	4.80E-04	0.000109	4.93E-06	0.000755	3.21E-08
1592	495211.06	3858701.99	0.05426	0.06045	0.05313	0.05126	9.89E-05	5.1E-06	0.00028	5.5E-08	0.00039	1.21E-04	6.30356E-06	0.000345	3.06E-08	4.73E-04	0.000107	4.85E-06	0.000743	3.16E-08
1593	495261.06	3858701.99	0.05405	0.06017	0.05297	0.05104	9.85E-05	5.1E-06	0.00028	5.4E-08	0.00039	1.21E-04	6.27436E-06	0.000344	3.05E-08	4.71E-04	0.000106	4.83E-06	0.000741	3.15E-08
1594	495311.06	3858701.99	0.05384	0.0599	0.05281	0.05083	9.81E-05	5.1E-06	0.00028	5.4E-08	0.00038	1.20E-04	6.2462E-06	0.000343	3.03E-08	4.70E-04	0.000106	4.81E-06	0.000739	3.13E-08
1595	495361.06	3858701.99	0.05348	0.05945	0.05251	0.05049	9.75E-05	5.1E-06	0.00028	5.4E-08	0.00038	1.19E-04	6.19928E-06	0.000341	3.01E-08	4.67E-04	0.000105	4.77E-06	0.000735	3.11E-08
1596	495411.06	3858701.99	0.0534	0.05932	0.05248	0.05039	9.73E-05	5E-06	0.00028	5.4E-08	0.00038	1.19E-04	6.18572E-06	0.000341	3.01E-08	4.66E-04	0.000105	4.76E-06	0.000734	3.11E-08
1597	495461.06	3858701.99	0.05313	0.05898	0.05226	0.05013	9.68E-05	5E-06	0.00028	5.3E-08	0.00038	1.19E-04	6.15027E-06	0.000339	2.99E-08	4.64E-04	0.000105	4.73E-06	0.000731	3.09E-08
1598	495511.06	3858701.99	0.05272	0.05847	0.05189	0.04975	9.61E-05	5E-06	0.00028	5.3E-08	0.00038	1.18E-04	6.09709E-06	0.000337	2.97E-08	4.61E-04	0.000104	4.69E-06	0.000726	3.07E-08
1599	495561.06	3858701.99	0.05221	0.05785	0.05142	0.04929	9.52E-05	4.9E-06	0.00027	5.3E-08	0.00037	1.17E-04	6.03243E-06	0.000334	2.94E-08	4.57E-04	0.000103	4.64E-06	0.000719	3.04E-08
1600	495611.06	3858701.99	0.05169	0.05722	0.05095	0.04883	9.42E-05	4.9E-06	0.00027	5.2E-08	0.00037	1.15E-04	5.96674E-06	0.000331	2.91E-08	4.52E-04	0.000102	4.59E-06	0.000713	3.01E-08
1601	495661.06	3858701.99	0.05138	0.05683	0.05068	0.04854	9.37E-05	4.8E-06	0.00027	5.2E-08	0.00037	1.15E-04	5.92607E-06	0.000329	2.9E-08	4.50E-04	0.000101	4.56E-06	0.000709	2.99E-08
1602	494311.06	3858751.99	0.06264	0.07077	0.05998	0.05863	1.14E-04	6E-06	0.00032	6.3E-08	0.00044	1.40E-04	7.3797E-06	0.00039	3.5E-08	5.37E-04	0.000123	5.68E-06	0.000839	3.61E-08
1603	494361.06	3858751.99	0.06751	0.07659	0.06512	0.06303	1.23E-04	6.5E-06	0.00035	6.7E-08	0.00048	1.51E-04	7.98659E-06	0.000423	3.76E-08	5.82E-04	0.000133	6.14E-06	0.000911	3.89E-08
1604	494411.06	3858751.99	0.06928	0.0787	0.06693	0.06467	1.26E-04	6.7E-06	0.00036	6.9E-08	0.00049	1.55E-04	8.20661E-06	0.000435	3.86E-08	5.98E-04	0.000136	6.31E-06	0.000936	3.99E-08
1605	494461.06	3858751.99	0.06919	0.07857	0.06694	0.0646	1.26E-04	6.7E-06	0.00036	6.9E-08	0.00049	1.55E-04	8.19306E-06	0.000435	3.86E-08	5.98E-04	0.000136	6.3E-06	0.000936	3.98E-08
1606	494511.06	3858751.99	0.06924	0.07854	0.06686	0.06471	1.26E-04	6.7E-06	0.00036	6.9E-08	0.00049	1.55E-04	8.18993E-06	0.000434	3.86E-08	5.97E-04	0.000136	6.3E-06	0.000935	3.99E-08
1607	494561.06	3858751.99	0.06842	0.07759	0.06628	0.06382	1.25E-04	6.6E-06	0.00035	6.8E-08	0.00048	1.53E-04	8.09087E-06	0.000431	3.81E-08	5.91E-04	0.000135	6.22E-06	0.000927	3.93E-08
1608	494611.06	3858751.99	0.06731	0.07622	0.0652	0.06275	1.23E-04	6.5E-06	0.00035	6.7E-08	0.00048	1.50E-04	7.94801E-06	0.000423	3.75E-08	5.82E-04	0.000133	6.11E-06	0.000912	3.87E-08
1609	494661.06	3858751.99	0.06662	0.07542	0.06482	0.06226	1.21E-04	6.4E-06	0.00034	6.6E-08	0.00047	1.49E-04	7.86458E-06	0.000421	3.72E-08	5.78E-04	0.000131	6.05E-06	0.000907	3.84E-08
1610	494711.06	3858751.99	0.06501	0.07346	0.06332	0.06077	1.19E-04	6.3E-06	0.00034	6.5E-08	0.00046	1.45E-04	7.6602E-06	0.000411	3.63E-08	5.64E-04	0.000128	5.89E-06	0.000886	3.75E-08
1611	494761.06	3858751.99	0.06449	0.07277	0.06266	0.06031	1.18E-04	6.2E-06	0.00033	6.4E-08	0.00046	1.44E-04	7.58825E-06	0.000407	3.6E-08	5.59E-04	0.000127	5.84E-06	0.000877	3.72E-08
1612	494811.06	3858751.99	0.06307	0.07107	0.06134	0.05902	1.15E-04	6E-06	0.00033	6.3E-08	0.00045	1.41E-04	7.41098E-06	0.000398	3.52E-08	5.47E-04	0.000124	5.7E-06	0.000858	3.64E-08
1613	494861.06	3858751.99	0.06183	0.06959	0.06019	0.0579	1.13E-04	5.9E-06	0.00032	6.2E-08	0.00044	1.38E-04	7.25665E-06	0.000391	3.46E-08	5.36E-04	0.000122	5.58E-06	0.000842	3.57E-08
1614	494911.06	3858751.99	0.06046	0.06794	0.05889	0.05667	1.10E-04	5.8E-06	0.00031	6E-08	0.00043	1.35E-04	7.08459E-06	0.000383	3.38E-08	5.25E-04	0.000119	5.45E-06	0.000824	3.49E-08
1615	494961.06	3858751.99	0.05947	0.06677	0.05798	0.05578	1.08E-04	5.7E-06	0.00031	6E-08	0.00042	1.33E-04	6.96259E-06	0.000377	3.33E-08	5.16E-04	0.000117	5.36E-06	0.000811	3.44E-08
1616	495011.06	3858751.99	0.0588	0.06596	0.05737	0.05514	1.07E-04	5.6E-06	0.0003	5.9E-08	0.00042	1.31E-04	6.87812E-06	0.000373	3.29E-08	5.11E-04	0.000116	5.29E-06	0.000803	3.4E-08
1617	495061.06	3858751.99	0.05778	0.06474	0.05641	0.05424	1.05E-04	5.5E-06	0.0003	5.8E-08	0.00041	1.29E-04	6.7509E-06	0.000366	3.24E-08	5.02E-04	0.000114	5.19E-06	0.000789	3.34E-08
1618	495111.06	3858751.99	0.05659	0.06333	0.05527	0.05319	1.03E-04	5.4E-06	0.00029	5.7E-08	0.0004	1.26E-04	6.60387E-06	0.000359	3.17E-08	4.92E-04	0.000111	5.08E-06	0.000773	3.28E-08
1619	495161.06	3858751.99	0.0559	0.0625	0.05464	0.05257	1.02E-04	5.3E-06	0.00029	5.6E-08	0.0004	1.25E-04	6.51732E-06	0.000355	3.14E-08	4.86E-04	0.00011	5.01E-06	0.000764	3.24E-08
1620	495211.06	3858751.99	0.05502	0.06146	0.05382	0.0518	1.00E-04	5.2E-06	0.00029	5.5E-08	0.00039	1.23E-04	6.40888E-06	0.00035	3.09E-08	4.79E-04	0.000108	4.93E-06	0.000753	3.19E-08
1621	495261.06	3858751.99	0.05476	0.06113	0.05361	0.05154	9.98E-05	5.2E-06	0.00028	5.5E-08	0.00039	1.22E-04	6.37446E-06	0.000348	3.08E-08	4.77E-04	0.000108	4.9E-06	0.00075	3.18E-08
1622	495311.06	3858751.99	0.05456	0.06088	0.05347	0.05134	9.95E-05	5.2E-06	0.00028	5.5E-08	0.00039	1.22E-04	6.34839E-06	0.000347	3.06E-08	4.76E-04	0.000107	4.88E-06	0.000748	3.17E-08
1623	495361.06	3858751.99	0.05423	0.06046	0.05318	0.05102	9.89E-05	5.1E-06	0.00028	5.4E-08	0.00039	1.21E-04	6.3046E-06	0.000345	3.05E-08	4.73E-04	0.000107	4.85E-06	0.000744	3.15E-08
1624	495411.06	3858751.99	0.05422	0.06043	0.05323	0.05099	9.88E-05	5.1E-06	0.00028	5.4E-08	0.00039	1.21E-04	6.30147E-06	0.000346	3.04E-08	4.73E-04	0.000107	4.85E-06	0.000745	3.14E-08
1625	495461.06	3858751.99	0.05395	0.06009	0.05301	0.05073	9.83E-05	5.1E-06	0.00028	5.4E-08	0.00039	1.21E-04	6.26602E-06	0.000344	3.03E-08	4.71E-04	0.000106	4.82E-06	0.000742	3.13E-08
1626	495511.06	3858751.99	0.05353	0.05957	0.05263	0.05034	9.76E-05	5.1E-06	0.00028	5.4E-08	0.00038	1.20E-04	6.21179E-06	0.000342	3E-08	4.68E-04	0.000105	4.78E-06	0.000736	3.1E-08
1627	495561.06	3858751.99	0.05304	0.05898	0.05219	0.0499	9.67E-05	5E-06	0.00028	5.3E-08	0.00038	1.18E-04	6.15027E-06	0.000339	2.98E-08	4.64E-04	0.000104	4.73E-06	0.00073	3.08E-08
1628	495611.06	3858751.99	0.05256	0.05839	0.05175	0.04945	9.58E-05	5E-06	0.00027	5.3E-08	0.00038	1.17E-04	6.08874E-06	0.000336	2.95E-08	4.60E-04	0.000104	4.68E-06	0.000724	3.05E-08
1629	495661.06	3858751.99	0.05217	0.05791	0.0514	0.04909	9.51E-05	4.9E-06	0.00027	5.2E-08	0.00037	1.17E-04	6.03869E-06	0.000334	2.93E-08	4.56E-04	0.000103	4.65E-06	0.000719	3.03E-08
1630	494311.06	3858801.99	0.06457	0.07318	0.06192	0.06027	1.18E-04	6.2E-06	0.00033	6.4E-08	0.00045	1.44E-04	7.631E-06	0.000402	3.6E-08	5.54E-04	0.000127	5.87E-06	0.000866	3.72E-08
1631	494361.06	3858801.99	0.06869	0.07813	0.06603	0.064	1.25E-04	6.6E-06	0.00035	6.8E-08	0.00048	1.53E-04	8.14718E-06	0.000429	3.82E-08	5.91E-04	0.000135	6.27E-06	0.000924	3.95E-08
1632	494411.06	3858801.99	0.06956	0.07916	0.06696	0.06517	1.27E-04	6.7E-06	0.00036	7E-08	0.00049	1.55E-04	8.25458E-06	0.000435	3.89E-08	5.99E-04	0.000137	6.35E-06	0.000937	4.02E-08
1633	494461.06	3858801.99	0.06992	0.07957	0.06739	0.06532	1.27E-04	6.8E-06	0.00036	7E-08	0.00049	1.56E-04	8.29733E-06	0.000438	3.9E-08	6.02E-04	0.000138	6.38E-06	0.000943	4.03E-08
1634	494511.06	3858801.99	0.07006	0.07965	0.0674	0.06555	1.28E-04	6.8E-06	0.00036	7E-08	0.00049	1.56E-04	8.30568E-06	0.000438	3.91E-08	6.03E-04	0.000138	6.39E-06	0.000943	4.04E-08
1635	494561.06	3858801.99	0.06968	0.07916	0.06713	0.06522	1.27E-04	6.7E-06	0.00036	7E-08	0.00049	1.56E-04	8.25458E-06	0.000436	3.89E-08	6.00E-04	0.000137	6.35E-06	0.000939	4.02E-08
1636	494611.06	3858801.99	0.06898	0.07831	0.06656	0.06457	1.26E-04	6.7E-06	0.00035	6.9E-08	0.00049	1.54E-04	8.16595E-06	0.000432	3.85E-08	5.95E-04	0.000136	6.28E-06	0.000931	3.98E-08
1637	494661.06	3858801.99	0.06784	0.07691	0.06556	0.06341	1.24E-04	6.5E-06	0.00035	6.8E-08	0.00048	1.52E-04	8.01996E-06	0.000426	3.78E-08	5.85E-04	0.000134	6.17E-06	0.000917	3.91E-08
1638	494711.06	3858801.99	0.06648	0.07528	0.06434	0.06212	1.21E-04	6.4E-06	0.00034	6.6E-08	0.00047	1.48E-04	7.84999E-06	0.000418	3.71E-08	5.74E-04	0.000131	6.04E-06	0.0009	3.83E-08
1639	494761.06	3858801.99	0.06491	0.07337	0.06289	0.06064	1.18E-04	6.2E-06	0.00033	6.5E-08	0.00046	1.45E-04	7.65082E-06	0.000408	3.62E-08	5.61E-04	0.000128	5.89E-06	0.00088	3.74E-08
1640	494811.06	3858801.99	0.06328	0.07142	0.06139	0.05914	1.15E-04	6.1E-06	0.00033	6.3E-08	0.00045	1.41E-04	7.44748E-06	0.000399	3.53E-08	5.48E-04	0.000125	5.73E-06	0.000859	3.65E-08
1641	494861.06	3858801.99	0.06242	0.07038	0.06062	0.05835	1.14E-04	6E-06	0.00032	6.2E-08	0.00044	1.39E-04	7.33903E-06	0.000394	3.48E-08	5.41E-04	0.000123	5.65E-06	0.000848	3.6E-08
1642	494911.06	3858801.99	0.0611	0.06881	0.0594	0.05716	1.11E-04	5.9E-06	0.00032	6.1E-08	0.00043	1.36E-04	7.17531E-06	0.000386	3.41E-08	5.30E-04	0.00012	5.52E-06	0.000831	3.52E-08
1643	494961.06	3858801.99	0.06014	0.06765	0.05851	0.05628	1.10E-04	5.8E-06	0.00031	6E-08	0.00043	1.34E-04	7.05435E-06	0.00038	3.36E-08	5.21E-04	0.000118	5.43E-06	0.000818	3.47E-08

1644	495011.06	3858801.99	0.05911	0.06643	0.05757	0.05536	1.08E-04	5.7E-06	0.00031	5.9E-08	0.00042	1.32E-04	6.92713E-06	0.000374	3.3E-08	5.13E-04	0.000116	5.33E-06	0.000805	3.41E-08
1645	495061.06	3858801.99	0.05846	0.06565	0.05699	0.05477	1.07E-04	5.6E-06	0.0003	5.8E-08	0.00042	1.31E-04	6.8458E-06	0.00037	3.27E-08	5.08E-04	0.000115	5.27E-06	0.000797	3.38E-08
1646	495111.06	3858801.99	0.05715	0.06409	0.05574	0.05357	1.04E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.28E-04	6.68312E-06	0.000362	3.2E-08	4.96E-04	0.000113	5.14E-06	0.00078	3.3E-08
1647	495161.06	3858801.99	0.05619	0.06295	0.05485	0.05273	1.02E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.56425E-06	0.000356	3.15E-08	4.88E-04	0.000111	5.05E-06	0.000767	3.25E-08
1648	495211.06	3858801.99	0.05568	0.06234	0.0544	0.05226	1.01E-04	5.3E-06	0.00029	5.6E-08	0.0004	1.24E-04	6.50064E-06	0.000353	3.12E-08	4.84E-04	0.00011	5E-06	0.000761	3.22E-08
1649	495261.06	3858801.99	0.05545	0.06205	0.05422	0.05203	1.01E-04	5.3E-06	0.00029	5.6E-08	0.00039	1.24E-04	6.4704E-06	0.000352	3.11E-08	4.83E-04	0.000109	4.98E-06	0.000758	3.21E-08
1650	495311.06	3858801.99	0.05531	0.06186	0.05414	0.05188	1.01E-04	5.3E-06	0.00029	5.5E-08	0.00039	1.24E-04	6.45059E-06	0.000352	3.1E-08	4.82E-04	0.000109	4.96E-06	0.000757	3.2E-08
1651	495361.06	3858801.99	0.05501	0.0615	0.05389	0.0516	1.00E-04	5.2E-06	0.00029	5.5E-08	0.00039	1.23E-04	6.41305E-06	0.00035	3.08E-08	4.79E-04	0.000108	4.93E-06	0.000754	3.18E-08
1652	495411.06	3858801.99	0.05515	0.06164	0.05409	0.05169	1.01E-04	5.2E-06	0.00029	5.5E-08	0.00039	1.23E-04	6.42764E-06	0.000351	3.09E-08	4.81E-04	0.000109	4.94E-06	0.000757	3.19E-08
1653	495461.06	3858801.99	0.05482	0.06122	0.0538	0.05138	9.99E-05	5.2E-06	0.00029	5.5E-08	0.00039	1.22E-04	6.38385E-06	0.000349	3.07E-08	4.78E-04	0.000108	4.91E-06	0.000753	3.17E-08
1654	495511.06	3858801.99	0.05431	0.06062	0.05335	0.05092	9.90E-05	5.2E-06	0.00028	5.4E-08	0.00039	1.21E-04	6.32128E-06	0.000347	3.04E-08	4.74E-04	0.000107	4.86E-06	0.000746	3.14E-08
1655	495561.06	3858801.99	0.05391	0.06012	0.05299	0.05055	9.83E-05	5.1E-06	0.00028	5.4E-08	0.00038	1.20E-04	6.26914E-06	0.000344	3.02E-08	4.71E-04	0.000106	4.82E-06	0.000741	3.12E-08
1656	495611.06	3858801.99	0.05329	0.05938	0.05241	0.04999	9.71E-05	5.1E-06	0.00028	5.3E-08	0.00038	1.19E-04	6.19198E-06	0.00034	2.98E-08	4.66E-04	0.000105	4.76E-06	0.000733	3.08E-08
1657	495661.06	3858801.99	0.053	0.05901	0.05217	0.04972	9.66E-05	5E-06	0.00028	5.3E-08	0.00038	1.18E-04	6.1534E-06	0.000339	2.97E-08	4.63E-04	0.000104	4.73E-06	0.00073	3.07E-08
1658	494311.06	3858851.99	0.0689	0.07846	0.06588	0.06411	1.26E-04	6.7E-06	0.00035	6.8E-08	0.00048	1.54E-04	8.18159E-06	0.000428	3.83E-08	5.90E-04	0.000136	6.29E-06	0.000922	3.95E-08
1659	494361.06	3858851.99	0.0711	0.08112	0.06803	0.06635	1.30E-04	6.9E-06	0.00036	7.1E-08	0.0005	1.59E-04	8.45896E-06	0.000442	3.96E-08	6.09E-04	0.00014	6.51E-06	0.000952	4.09E-08
1660	494411.06	3858851.99	0.07081	0.08076	0.06786	0.06613	1.29E-04	6.9E-06	0.00036	7.1E-08	0.0005	1.58E-04	8.42142E-06	0.000441	3.95E-08	6.07E-04	0.000139	6.48E-06	0.000949	4.08E-08
1661	494461.06	3858851.99	0.07084	0.08078	0.06798	0.06624	1.29E-04	6.9E-06	0.00036	7.1E-08	0.0005	1.58E-04	8.42351E-06	0.000442	3.95E-08	6.08E-04	0.00014	6.48E-06	0.000951	4.08E-08
1662	494511.06	3858851.99	0.07068	0.08049	0.06772	0.0662	1.29E-04	6.8E-06	0.00036	7.1E-08	0.0005	1.58E-04	8.39327E-06	0.00044	3.95E-08	6.06E-04	0.000139	6.46E-06	0.000947	4.08E-08
1663	494561.06	3858851.99	0.07018	0.07987	0.06735	0.06575	1.28E-04	6.8E-06	0.00036	7E-08	0.00049	1.57E-04	8.32862E-06	0.000437	3.92E-08	6.03E-04	0.000138	6.41E-06	0.000942	4.05E-08
1664	494611.06	3858851.99	0.06931	0.07881	0.06663	0.06492	1.26E-04	6.7E-06	0.00035	6.9E-08	0.00049	1.55E-04	8.21808E-06	0.000433	3.87E-08	5.96E-04	0.000137	6.32E-06	0.000932	4E-08
1665	494661.06	3858851.99	0.06823	0.0775	0.0657	0.06386	1.24E-04	6.6E-06	0.00035	6.8E-08	0.00048	1.52E-04	8.08148E-06	0.000427	3.81E-08	5.87E-04	0.000134	6.22E-06	0.000919	3.94E-08
1666	494711.06	3858851.99	0.06667	0.0756	0.0643	0.06234	1.22E-04	6.4E-06	0.00034	6.7E-08	0.00047	1.49E-04	7.88335E-06	0.000418	3.72E-08	5.74E-04	0.000131	6.06E-06	0.000899	3.84E-08
1667	494761.06	3858851.99	0.06516	0.07378	0.06294	0.06083	1.19E-04	6.3E-06	0.00033	6.5E-08	0.00046	1.46E-04	7.69357E-06	0.000409	3.63E-08	5.62E-04	0.000128	5.92E-06	0.00088	3.75E-08
1668	494811.06	3858851.99	0.0639	0.07227	0.06181	0.05966	1.16E-04	6.1E-06	0.00033	6.4E-08	0.00045	1.43E-04	7.53611E-06	0.000401	3.56E-08	5.52E-04	0.000126	5.8E-06	0.000865	3.68E-08
1669	494861.06	3858851.99	0.06307	0.07126	0.06109	0.05889	1.15E-04	6.1E-06	0.00032	6.3E-08	0.00045	1.41E-04	7.43079E-06	0.000397	3.51E-08	5.45E-04	0.000124	5.72E-06	0.000855	3.63E-08
1670	494911.06	3858851.99	0.06191	0.06986	0.06003	0.05782	1.13E-04	5.9E-06	0.00032	6.2E-08	0.00044	1.38E-04	7.2848E-06	0.00039	3.45E-08	5.36E-04	0.000122	5.6E-06	0.00084	3.57E-08
1671	494961.06	3858851.99	0.06089	0.06865	0.05912	0.05689	1.11E-04	5.8E-06	0.00031	6.1E-08	0.00043	1.36E-04	7.15863E-06	0.000384	3.4E-08	5.27E-04	0.00012	5.51E-06	0.000827	3.51E-08
1672	495011.06	3858851.99	0.06007	0.06766	0.05838	0.05615	1.09E-04	5.8E-06	0.00031	6E-08	0.00043	1.34E-04	7.05539E-06	0.000379	3.35E-08	5.20E-04	0.000118	5.43E-06	0.000817	3.46E-08
1673	495061.06	3858851.99	0.0591	0.06649	0.05749	0.05526	1.08E-04	5.7E-06	0.00031	5.9E-08	0.00042	1.32E-04	6.93339E-06	0.000373	3.3E-08	5.12E-04	0.000116	5.33E-06	0.000804	3.41E-08
1674	495111.06	3858851.99	0.05733	0.0644	0.05581	0.05368	1.05E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.28E-04	6.71545E-06	0.000363	3.2E-08	4.97E-04	0.000113	5.17E-06	0.000781	3.31E-08
1675	495161.06	3858851.99	0.05641	0.0633	0.05496	0.05283	1.03E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.60075E-06	0.000357	3.15E-08	4.90E-04	0.000111	5.08E-06	0.000769	3.26E-08
1676	495211.06	3858851.99	0.05645	0.06333	0.05506	0.05284	1.03E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.60387E-06	0.000358	3.15E-08	4.90E-04	0.000111	5.08E-06	0.00077	3.26E-08
1677	495261.06	3858851.99	0.0562	0.06302	0.05487	0.0526	1.02E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.57155E-06	0.000356	3.14E-08	4.89E-04	0.000111	5.06E-06	0.000768	3.24E-08
1678	495311.06	3858851.99	0.05613	0.06293	0.05486	0.05255	1.02E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.25E-04	6.56216E-06	0.000356	3.14E-08	4.88E-04	0.000111	5.05E-06	0.000767	3.24E-08
1679	495361.06	3858851.99	0.05593	0.06268	0.05472	0.05236	1.02E-04	5.3E-06	0.00029	5.6E-08	0.0004	1.25E-04	6.53609E-06	0.000355	3.13E-08	4.87E-04	0.00011	5.03E-06	0.000765	3.23E-08
1680	495411.06	3858851.99	0.05573	0.06243	0.05458	0.05217	1.02E-04	5.3E-06	0.00029	5.6E-08	0.0004	1.24E-04	6.51002E-06	0.000355	3.11E-08	4.86E-04	0.00011	5.01E-06	0.000764	3.22E-08
1681	495461.06	3858851.99	0.05559	0.06224	0.05449	0.05202	1.01E-04	5.3E-06	0.00029	5.5E-08	0.0004	1.24E-04	6.49021E-06	0.000354	3.1E-08	4.85E-04	0.000109	4.99E-06	0.000762	3.21E-08
1682	495511.06	3858851.99	0.05531	0.06192	0.05432	0.05163	1.01E-04	5.3E-06	0.00029	5.5E-08	0.00039	1.24E-04	6.45684E-06	0.000353	3.08E-08	4.83E-04	0.000109	4.97E-06	0.00076	3.18E-08
1683	495561.06	3858851.99	0.05443	0.06084	0.05343	0.05093	9.92E-05	5.2E-06	0.00028	5.4E-08	0.00039	1.22E-04	6.34422E-06	0.000347	3.04E-08	4.75E-04	0.000107	4.88E-06	0.000747	3.14E-08
1684	495611.06	3858851.99	0.05377	0.06005	0.05281	0.05033	9.80E-05	5.1E-06	0.00028	5.4E-08	0.00038	1.20E-04	6.26184E-06	0.000343	3E-08	4.69E-04	0.000106	4.82E-06	0.000739	3.1E-08
1685	495661.06	3858851.99	0.05362	0.05985	0.05271	0.05018	9.77E-05	5.1E-06	0.00028	5.4E-08	0.00038	1.20E-04	6.24099E-06	0.000342	2.99E-08	4.68E-04	0.000106	4.8E-06	0.000737	3.09E-08
1686	494311.06	3858901.99	0.0704	0.08026	0.06703	0.06552	1.28E-04	6.8E-06	0.00036	7E-08	0.00049	1.57E-04	8.36929E-06	0.000435	3.91E-08	6.01E-04	0.000139	6.44E-06	0.000938	4.04E-08
1687	494361.06	3858901.99	0.07192	0.08212	0.06851	0.06722	1.31E-04	7E-06	0.00036	7.2E-08	0.0005	1.61E-04	8.56324E-06	0.000445	4.01E-08	6.14E-04	0.000142	6.59E-06	0.000958	4.14E-08
1688	494411.06	3858901.99	0.07192	0.08213	0.06859	0.06734	1.31E-04	7E-06	0.00036	7.2E-08	0.0005	1.61E-04	8.56428E-06	0.000446	4.02E-08	6.15E-04	0.000142	6.59E-06	0.00096	4.15E-08
1689	494461.06	3858901.99	0.07197	0.08211	0.06854	0.06756	1.31E-04	7E-06	0.00036	7.2E-08	0.0005	1.61E-04	8.5622E-06	0.000445	4.03E-08	6.15E-04	0.000142	6.59E-06	0.000959	4.17E-08
1690	494511.06	3858901.99	0.07176	0.08185	0.06844	0.06745	1.31E-04	7E-06	0.00036	7.2E-08	0.0005	1.60E-04	8.53509E-06	0.000445	4.03E-08	6.13E-04	0.000141	6.57E-06	0.000957	4.16E-08
1691	494561.06	3858901.99	0.0709	0.0808	0.06774	0.06659	1.29E-04	6.9E-06	0.00036	7.1E-08	0.0005	1.58E-04	8.4256E-06	0.00044	3.97E-08	6.07E-04	0.00014	6.48E-06	0.000948	4.11E-08
1692	494611.06	3858901.99	0.0694	0.079	0.06645	0.06505	1.27E-04	6.7E-06	0.00035	6.9E-08	0.00049	1.55E-04	8.2379E-06	0.000432	3.88E-08	5.95E-04	0.000137	6.34E-06	0.00093	4.01E-08
1693	494661.06	3858901.99	0.06856	0.07798	0.06576	0.06423	1.25E-04	6.6E-06	0.00035	6.9E-08	0.00048	1.53E-04	8.13153E-06	0.000427	3.83E-08	5.88E-04	0.000135	6.26E-06	0.00092	3.96E-08
1694	494711.06	3858901.99	0.06717	0.07629	0.06454	0.06284	1.22E-04	6.5E-06	0.00034	6.7E-08	0.00047	1.50E-04	7.95531E-06	0.000419	3.75E-08	5.77E-04	0.000132	6.12E-06	0.000903	3.87E-08
1695	494761.06	3858901.99	0.06551	0.07429	0.06306	0.06121	1.19E-04	6.3E-06	0.00034	6.5E-08	0.00046	1.46E-04	7.74675E-06	0.00041	3.65E-08	5.64E-04	0.000129	5.96E-06	0.000882	3.77E-08
1696	494811.06	3858901.99	0.06452	0.0731	0.0622	0.06022	1.18E-04	6.2E-06	0.00033	6.4E-08	0.00045	1.44E-04	7.62266E-06	0.000404	3.59E-08	5.56E-04	0.000127	5.86E-06	0.00087	3.71E-08
1697	494861.06	3858901.99	0.06377	0.07219	0.06157	0.05952	1.16E-04	6.1E-06	0.00033	6.3E-08	0.00045	1.42E-04	7.52777E-06	0.0004	3.55E-08	5.50E-04	0.000126	5.79E-06	0.000861	3.67E-08
1698	494911.06	3858901.99	0.06215	0.07024	0.06008	0.05799	1.13E-04	6E-06	0.00032	6.2E-08	0.00044	1.39E-04	7.32443E-06	0.00039	3.46E-08	5.36E-04	0.000122	5.63E-06	0.00084	3.58E-08
1699	494961.06	3858901.99	0.06126	0.06917	0.0593	0.05717	1.12E-04	5.9E-06	0.00032	6.1E-08	0.00043	1.37E-04	7.21285E-06	0.000385	3.41E-08	5.29E-04	0.000121	5.55E-06	0.00083	3.52E-08
1700	495011.06	3858901.99	0.06039	0.06813	0.05854	0.05638	1.10E-04	5.8E-06	0.00031	6E-08	0.00043	1.35E-04	7.1044E-06	0.00038	3.36E-08	5.22E-04	0.000119	5.47E-06	0.000819	3.48E-08
1701	495061.06	3858901.99	0.05914	0.06664	0.05739	0.05523	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.32E-04	6.94903E-06	0.000373	3.3E-08	5.12E-04	0.000116	5.35E-06	0.000803	3.41E-08
1702	495111.06	3858901.99	0.05737	0.06453	0.05571	0.05364	1.05E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.28E-04	6.72901E-06	0.000362	3.2E-08	4.97E-04	0.000113	5.18E-06	0.000779	3.31E-08
1703	495161.06	3858901.99	0.05684	0.06389	0.05526	0.05316	1.04E-04	5.4E-06	0.00029	5.7E-08	0.0004	1.27E-04	6.66227E-06	0.000359	3.17E-08	4.93E-04	0.000112	5.13E-06	0.000773	3.28E-08
1704	495211.06	3858901.99	0.05716	0.06425	0.05564	0.05343	1.04E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.28E-04	6.69981E-06	0.000361	3.19E-08	4.96E-04	0.000113	5.15E-06	0.000778	3.29E-08

1705	495261.06	3858901.99	0.05703	0.06409	0.05558	0.05331	1.04E-04	5.5E-06	0.0003	5.7E-08	0.0004	1.27E-04	6.68312E-06	0.000361	3.18E-08	4.95E-04	0.000112	5.14E-06	0.000778	3.29E-08
1706	495311.06	3858901.99	0.05676	0.06376	0.05538	0.05305	1.03E-04	5.4E-06	0.00029	5.7E-08	0.0004	1.27E-04	6.64871E-06	0.00036	3.17E-08	4.93E-04	0.000112	5.11E-06	0.000775	3.27E-08
1707	495361.06	3858901.99	0.05653	0.06348	0.05522	0.05284	1.03E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.61951E-06	0.000359	3.15E-08	4.92E-04	0.000111	5.09E-06	0.000772	3.26E-08
1708	495411.06	3858901.99	0.05655	0.06348	0.05529	0.05285	1.03E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.61951E-06	0.000359	3.15E-08	4.92E-04	0.000111	5.09E-06	0.000773	3.26E-08
1709	495461.06	3858901.99	0.05618	0.06303	0.05498	0.0525	1.02E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.25E-04	6.57259E-06	0.000357	3.13E-08	4.89E-04	0.000111	5.06E-06	0.000769	3.24E-08
1710	495511.06	3858901.99	0.05559	0.06233	0.05445	0.05196	1.01E-04	5.3E-06	0.00029	5.5E-08	0.0004	1.24E-04	6.4996E-06	0.000354	3.1E-08	4.84E-04	0.000109	5E-06	0.000762	3.2E-08
1711	495561.06	3858901.99	0.05512	0.06176	0.05403	0.05153	1.00E-04	5.3E-06	0.00029	5.5E-08	0.00039	1.23E-04	6.44016E-06	0.000351	3.08E-08	4.81E-04	0.000109	4.95E-06	0.000756	3.18E-08
1712	495611.06	3858901.99	0.05447	0.06097	0.05343	0.05093	9.93E-05	5.2E-06	0.00028	5.4E-08	0.00039	1.22E-04	6.35778E-06	0.000347	3.04E-08	4.75E-04	0.000107	4.89E-06	0.000747	3.14E-08
1713	495661.06	3858901.99	0.05439	0.06086	0.0534	0.05085	9.91E-05	5.2E-06	0.00028	5.4E-08	0.00039	1.21E-04	6.34631E-06	0.000347	3.03E-08	4.75E-04	0.000107	4.88E-06	0.000747	3.14E-08
1714	494311.06	3858951.99	0.07266	0.08286	0.06881	0.06798	1.32E-04	7.1E-06	0.00037	7.3E-08	0.00051	1.62E-04	8.64041E-06	0.000447	4.06E-08	6.18E-04	0.000143	6.65E-06	0.000963	4.19E-08
1715	494361.06	3858951.99	0.07312	0.08345	0.06929	0.06867	1.33E-04	7.1E-06	0.00037	7.3E-08	0.00051	1.63E-04	8.70193E-06	0.00045	4.1E-08	6.22E-04	0.000144	6.69E-06	0.000969	4.23E-08
1716	494411.06	3858951.99	0.07249	0.08273	0.06881	0.06808	1.32E-04	7E-06	0.00037	7.3E-08	0.0005	1.62E-04	8.62685E-06	0.000447	4.06E-08	6.18E-04	0.000143	6.64E-06	0.000963	4.2E-08
1717	494461.06	3858951.99	0.07258	0.08278	0.06879	0.06838	1.32E-04	7E-06	0.00037	7.3E-08	0.0005	1.62E-04	8.63206E-06	0.000447	4.08E-08	6.18E-04	0.000143	6.64E-06	0.000962	4.22E-08
1718	494511.06	3858951.99	0.07209	0.08221	0.06844	0.06795	1.31E-04	7E-06	0.00036	7.2E-08	0.0005	1.61E-04	8.57263E-06	0.000445	4.06E-08	6.14E-04	0.000142	6.59E-06	0.000957	4.19E-08
1719	494561.06	3858951.99	0.07126	0.08123	0.06778	0.06711	1.30E-04	6.9E-06	0.00036	7.2E-08	0.0005	1.59E-04	8.47043E-06	0.00044	4.01E-08	6.08E-04	0.00014	6.52E-06	0.000948	4.14E-08
1720	494611.06	3858951.99	0.07004	0.07978	0.06676	0.06582	1.28E-04	6.8E-06	0.00035	7E-08	0.00049	1.56E-04	8.31923E-06	0.000434	3.93E-08	5.98E-04	0.000138	6.4E-06	0.000934	4.06E-08
1721	494661.06	3858951.99	0.0689	0.07842	0.0658	0.06465	1.26E-04	6.7E-06	0.00035	6.9E-08	0.00048	1.54E-04	8.17742E-06	0.000427	3.86E-08	5.90E-04	0.000136	6.29E-06	0.00092	3.99E-08
1722	494711.06	3858951.99	0.06728	0.07647	0.06439	0.06297	1.23E-04	6.5E-06	0.00034	6.7E-08	0.00047	1.50E-04	7.97408E-06	0.000418	3.76E-08	5.77E-04	0.000133	6.13E-06	0.000901	3.88E-08
1723	494761.06	3858951.99	0.06607	0.07502	0.06335	0.06178	1.20E-04	6.4E-06	0.00034	6.6E-08	0.00046	1.48E-04	7.82287E-06	0.000411	3.69E-08	5.67E-04	0.00013	6.02E-06	0.000886	3.81E-08
1724	494811.06	3858951.99	0.06522	0.074	0.06264	0.06097	1.19E-04	6.3E-06	0.00033	6.5E-08	0.00046	1.46E-04	7.71651E-06	0.000407	3.64E-08	5.60E-04	0.000128	5.94E-06	0.000876	3.76E-08
1725	494861.06	3858951.99	0.06438	0.07298	0.06193	0.06016	1.17E-04	6.2E-06	0.00033	6.4E-08	0.00045	1.44E-04	7.61015E-06	0.000402	3.59E-08	5.54E-04	0.000127	5.85E-06	0.000866	3.71E-08
1726	494911.06	3858951.99	0.06314	0.0715	0.06084	0.05891	1.15E-04	6.1E-06	0.00032	6.3E-08	0.00044	1.41E-04	7.45582E-06	0.000395	3.52E-08	5.44E-04	0.000124	5.74E-06	0.000851	3.63E-08
1727	494961.06	3858951.99	0.0625	0.07073	0.06031	0.05832	1.14E-04	6E-06	0.00032	6.2E-08	0.00044	1.40E-04	7.37552E-06	0.000392	3.48E-08	5.39E-04	0.000123	5.67E-06	0.000844	3.6E-08
1728	495011.06	3858951.99	0.06059	0.06845	0.05855	0.0565	1.10E-04	5.8E-06	0.00031	6E-08	0.00043	1.35E-04	7.13777E-06	0.00038	3.37E-08	5.23E-04	0.000119	5.49E-06	0.000819	3.48E-08
1729	495061.06	3858951.99	0.05878	0.06629	0.05687	0.05484	1.07E-04	5.6E-06	0.0003	5.9E-08	0.00042	1.31E-04	6.91253E-06	0.000369	3.27E-08	5.08E-04	0.000116	5.32E-06	0.000796	3.38E-08
1730	495111.06	3858951.99	0.05741	0.06466	0.0556	0.05359	1.05E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.28E-04	6.74256E-06	0.000361	3.2E-08	4.96E-04	0.000113	5.19E-06	0.000778	3.3E-08
1731	495161.06	3858951.99	0.05798	0.06533	0.05624	0.05412	1.06E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.30E-04	6.81243E-06	0.000365	3.23E-08	5.02E-04	0.000114	5.24E-06	0.000787	3.34E-08
1732	495211.06	3858951.99	0.05789	0.06521	0.05622	0.05404	1.06E-04	5.5E-06	0.0003	5.8E-08	0.00041	1.29E-04	6.79991E-06	0.000365	3.23E-08	5.01E-04	0.000114	5.23E-06	0.000786	3.33E-08
1733	495261.06	3858951.99	0.05778	0.06506	0.05618	0.05394	1.05E-04	5.5E-06	0.0003	5.8E-08	0.00041	1.29E-04	6.78427E-06	0.000365	3.22E-08	5.01E-04	0.000114	5.22E-06	0.000786	3.33E-08
1734	495311.06	3858951.99	0.0571	0.06426	0.05559	0.05332	1.04E-04	5.5E-06	0.0003	5.7E-08	0.0004	1.28E-04	6.70085E-06	0.000361	3.18E-08	4.95E-04	0.000112	5.15E-06	0.000778	3.29E-08
1735	495361.06	3858951.99	0.05707	0.0642	0.05561	0.05329	1.04E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.27E-04	6.69459E-06	0.000361	3.18E-08	4.95E-04	0.000112	5.15E-06	0.000778	3.29E-08
1736	495411.06	3858951.99	0.05713	0.06427	0.05574	0.05336	1.04E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.28E-04	6.70189E-06	0.000362	3.18E-08	4.96E-04	0.000113	5.16E-06	0.00078	3.29E-08
1737	495461.06	3858951.99	0.05685	0.06391	0.05552	0.05309	1.04E-04	5.4E-06	0.00029	5.7E-08	0.0004	1.27E-04	6.66435E-06	0.000361	3.17E-08	4.94E-04	0.000112	5.13E-06	0.000777	3.27E-08
1738	495511.06	3858951.99	0.05676	0.0638	0.05549	0.05302	1.03E-04	5.4E-06	0.00029	5.7E-08	0.0004	1.27E-04	6.65288E-06	0.00036	3.16E-08	4.94E-04	0.000112	5.12E-06	0.000776	3.27E-08
1739	495561.06	3858951.99	0.05579	0.06265	0.05459	0.05211	1.02E-04	5.3E-06	0.00029	5.6E-08	0.0004	1.25E-04	6.53296E-06	0.000355	3.11E-08	4.86E-04	0.00011	5.03E-06	0.000764	3.21E-08
1740	495611.06	3858951.99	0.05522	0.06196	0.05408	0.05158	1.01E-04	5.3E-06	0.00029	5.5E-08	0.00039	1.23E-04	6.46101E-06	0.000351	3.08E-08	4.81E-04	0.000109	4.97E-06	0.000757	3.18E-08
1741	495661.06	3858951.99	0.05517	0.06188	0.05408	0.05153	1.01E-04	5.3E-06	0.00029	5.5E-08	0.00039	1.23E-04	6.45267E-06	0.000351	3.08E-08	4.81E-04	0.000109	4.96E-06	0.000757	3.18E-08
1742	494311.06	3859001.99	0.07393	0.0841	0.06964	0.06966	1.35E-04	7.2E-06	0.00037	7.4E-08	0.00051	1.65E-04	8.76971E-06	0.000452	4.16E-08	6.26E-04	0.000146	6.75E-06	0.000974	4.3E-08
1743	494361.06	3859001.99	0.07371	0.08391	0.06951	0.06958	1.34E-04	7.1E-06	0.00037	7.4E-08	0.00051	1.65E-04	8.7499E-06	0.000451	4.15E-08	6.25E-04	0.000145	6.73E-06	0.000972	4.29E-08
1744	494411.06	3859001.99	0.07348	0.0836	0.06921	0.06951	1.34E-04	7.1E-06	0.00037	7.4E-08	0.00051	1.64E-04	8.71757E-06	0.00045	4.15E-08	6.22E-04	0.000145	6.71E-06	0.000968	4.29E-08
1745	494461.06	3859001.99	0.07304	0.08313	0.0689	0.06914	1.33E-04	7.1E-06	0.00037	7.4E-08	0.00051	1.63E-04	8.66856E-06	0.000448	4.13E-08	6.19E-04	0.000144	6.67E-06	0.000964	4.26E-08
1746	494511.06	3859001.99	0.07258	0.08264	0.06856	0.06874	1.32E-04	7E-06	0.00036	7.3E-08	0.0005	1.62E-04	8.61747E-06	0.000445	4.1E-08	6.16E-04	0.000143	6.63E-06	0.000959	4.24E-08
1747	494561.06	3859001.99	0.07144	0.08133	0.06764	0.06748	1.30E-04	6.9E-06	0.00036	7.2E-08	0.0005	1.60E-04	8.48086E-06	0.000439	4.03E-08	6.07E-04	0.000141	6.52E-06	0.000946	4.16E-08
1748	494611.06	3859001.99	0.07037	0.08009	0.06678	0.06634	1.28E-04	6.8E-06	0.00035	7.1E-08	0.00049	1.57E-04	8.35156E-06	0.000434	3.96E-08	5.99E-04	0.000139	6.42E-06	0.000934	4.09E-08
1749	494661.06	3859001.99	0.06906	0.07856	0.06569	0.06492	1.26E-04	6.7E-06	0.00035	6.9E-08	0.00048	1.54E-04	8.19201E-06	0.000427	3.87E-08	5.89E-04	0.000136	6.3E-06	0.000919	4E-08
1750	494711.06	3859001.99	0.06751	0.07673	0.06436	0.06327	1.23E-04	6.5E-06	0.00034	6.7E-08	0.00047	1.51E-04	8.00119E-06	0.000418	3.78E-08	5.77E-04	0.000133	6.16E-06	0.0009	3.9E-08
1751	494761.06	3859001.99	0.06656	0.0756	0.06356	0.06231	1.21E-04	6.4E-06	0.00034	6.6E-08	0.00047	1.49E-04	7.88335E-06	0.000413	3.72E-08	5.69E-04	0.000131	6.06E-06	0.000889	3.84E-08
1752	494811.06	3859001.99	0.06597	0.0749	0.0631	0.06177	1.20E-04	6.4E-06	0.00034	6.6E-08	0.00046	1.47E-04	7.81036E-06	0.00041	3.69E-08	5.65E-04	0.00013	6.01E-06	0.000883	3.81E-08
1753	494861.06	3859001.99	0.06492	0.07365	0.06221	0.06072	1.18E-04	6.3E-06	0.00033	6.5E-08	0.00046	1.45E-04	7.68001E-06	0.000404	3.62E-08	5.57E-04	0.000128	5.91E-06	0.00087	3.74E-08
1754	494911.06	3859001.99	0.0638	0.07232	0.06124	0.05962	1.16E-04	6.2E-06	0.00033	6.4E-08	0.00045	1.43E-04	7.54133E-06	0.000398	3.56E-08	5.48E-04	0.000126	5.8E-06	0.000857	3.68E-08
1755	494961.06	3859001.99	0.06265	0.07096	0.06024	0.05873	1.14E-04	6E-06	0.00032	6.3E-08	0.00044	1.40E-04	7.39951E-06	0.000391	3.51E-08	5.39E-04	0.000123	5.69E-06	0.000843	3.62E-08
1756	495011.06	3859001.99	0.05962	0.06734	0.05742	0.05552	1.09E-04	5.7E-06	0.00031	5.9E-08	0.00042	1.33E-04	7.02202E-06	0.000373	3.31E-08	5.13E-04	0.000117	5.4E-06	0.000803	3.42E-08
1757	495061.06	3859001.99	0.05901	0.06661	0.05691	0.05497	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.32E-04	6.9459E-06	0.00037	3.28E-08	5.08E-04	0.000116	5.34E-06	0.000796	3.39E-08
1758	495111.06	3859001.99	0.05773	0.06509	0.05574	0.0538	1.05E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.29E-04	6.7874E-06	0.000362	3.21E-08	4.98E-04	0.000114	5.22E-06	0.00078	3.32E-08
1759	495161.06	3859001.99	0.05868	0.06621	0.05675	0.0547	1.07E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.31E-04	6.90419E-06	0.000369	3.26E-08	5.07E-04	0.000116	5.31E-06	0.000794	3.37E-08
1760	495211.06	3859001.99	0.05839	0.06587	0.05654	0.05445	1.06E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.30E-04	6.86874E-06	0.000367	3.25E-08	5.05E-04	0.000115	5.28E-06	0.000791	3.36E-08
1761	495261.06	3859001.99	0.05834	0.06581	0.05657	0.05443	1.06E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.30E-04	6.86248E-06	0.000367	3.25E-08	5.05E-04	0.000115	5.28E-06	0.000791	3.36E-08
1762	495311.06	3859001.99	0.05799	0.06539	0.0563	0.05412	1.06E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.30E-04	6.81868E-06	0.000366	3.23E-08	5.02E-04	0.000114	5.25E-06	0.000788	3.34E-08
1763	495361.06	3859001.99	0.05792	0.0653	0.0563	0.05407	1.06E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.29E-04	6.8093E-06	0.000366	3.23E-08	5.02E-04	0.000114	5.24E-06	0.000788	3.33E-08
1764	495411.06	3859001.99	0.05771	0.06504	0.05616	0.05389	1.05E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.29E-04	6.78219E-06	0.000365	3.22E-08	5.00E-04	0.000114	5.22E-06	0.000786	3.32E-08
1765	495461.06	3859001.99	0.05757	0.06486	0.05608	0.05376	1.05E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.29E-04	6.76342E-06	0.000364	3.21E-08	5.00E-04	0.000113	5.2E-06	0.000785	3.31E-08

1766	495511.06	3859001.99	0.05682	0.06397	0.05542	0.05306	1.04E-04	5.4E-06	0.00029	5.7E-08	0.0004	1.27E-04	6.67061E-06	0.00036	3.17E-08	4.94E-04	0.000112	5.13E-06	0.000775	3.27E-08
1767	495561.06	3859001.99	0.05639	0.06345	0.05506	0.05267	1.03E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.61639E-06	0.000358	3.14E-08	4.90E-04	0.000111	5.09E-06	0.00077	3.25E-08
1768	495611.06	3859001.99	0.05591	0.06287	0.05464	0.05222	1.02E-04	5.3E-06	0.00029	5.6E-08	0.0004	1.25E-04	6.55591E-06	0.000355	3.12E-08	4.86E-04	0.00011	5.04E-06	0.000764	3.22E-08
1769	495661.06	3859001.99	0.05619	0.06318	0.05496	0.05249	1.02E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.58823E-06	0.000357	3.13E-08	4.89E-04	0.000111	5.07E-06	0.000769	3.24E-08
1770	494311.06	3859051.99	0.07463	0.08449	0.06992	0.07086	1.36E-04	7.2E-06	0.00037	7.6E-08	0.00051	1.67E-04	8.81038E-06	0.000454	4.23E-08	6.30E-04	0.000147	6.78E-06	0.000978	4.37E-08
1771	494361.06	3859051.99	0.07454	0.08439	0.06975	0.07101	1.36E-04	7.2E-06	0.00037	7.6E-08	0.00051	1.67E-04	8.79995E-06	0.000453	4.24E-08	6.28E-04	0.000147	6.77E-06	0.000976	4.38E-08
1772	494411.06	3859051.99	0.07393	0.08378	0.0693	0.07041	1.35E-04	7.1E-06	0.00037	7.5E-08	0.00051	1.65E-04	8.73634E-06	0.00045	4.2E-08	6.24E-04	0.000146	6.72E-06	0.000969	4.34E-08
1773	494461.06	3859051.99	0.07322	0.08303	0.06876	0.06965	1.33E-04	7.1E-06	0.00037	7.4E-08	0.00051	1.64E-04	8.65813E-06	0.000447	4.16E-08	6.19E-04	0.000144	6.66E-06	0.000962	4.29E-08
1774	494511.06	3859051.99	0.0723	0.08203	0.06804	0.06863	1.32E-04	7E-06	0.00036	7.3E-08	0.0005	1.61E-04	8.55386E-06	0.000442	4.1E-08	6.12E-04	0.000142	6.58E-06	0.000952	4.23E-08
1775	494561.06	3859051.99	0.07152	0.08118	0.06743	0.0678	1.30E-04	6.9E-06	0.00036	7.2E-08	0.0005	1.60E-04	8.46522E-06	0.000438	4.05E-08	6.06E-04	0.000141	6.51E-06	0.000943	4.18E-08
1776	494611.06	3859051.99	0.07046	0.07999	0.06658	0.06661	1.28E-04	6.8E-06	0.00035	7.1E-08	0.00049	1.57E-04	8.34113E-06	0.000432	3.98E-08	5.98E-04	0.000139	6.42E-06	0.000931	4.11E-08
1777	494661.06	3859051.99	0.0693	0.07867	0.06563	0.06532	1.26E-04	6.7E-06	0.00035	7E-08	0.00048	1.55E-04	8.20349E-06	0.000426	3.9E-08	5.89E-04	0.000136	6.31E-06	0.000918	4.03E-08
1778	494711.06	3859051.99	0.0682	0.07742	0.06473	0.06415	1.24E-04	6.6E-06	0.00034	6.8E-08	0.00047	1.52E-04	8.07314E-06	0.00042	3.83E-08	5.81E-04	0.000134	6.21E-06	0.000906	3.96E-08
1779	494761.06	3859051.99	0.06706	0.0761	0.06378	0.06294	1.22E-04	6.5E-06	0.00034	6.7E-08	0.00047	1.50E-04	7.93549E-06	0.000414	3.76E-08	5.72E-04	0.000132	6.1E-06	0.000892	3.88E-08
1780	494811.06	3859051.99	0.06624	0.07515	0.0631	0.06211	1.21E-04	6.4E-06	0.00034	6.6E-08	0.00046	1.48E-04	7.83643E-06	0.00041	3.71E-08	5.66E-04	0.00013	6.03E-06	0.000883	3.83E-08
1781	494861.06	3859051.99	0.06539	0.07417	0.0624	0.06126	1.19E-04	6.3E-06	0.00033	6.5E-08	0.00046	1.46E-04	7.73424E-06	0.000405	3.66E-08	5.59E-04	0.000129	5.95E-06	0.000873	3.78E-08
1782	494911.06	3859051.99	0.06408	0.07262	0.06128	0.05992	1.17E-04	6.2E-06	0.00033	6.4E-08	0.00045	1.43E-04	7.57261E-06	0.000398	3.58E-08	5.49E-04	0.000126	5.83E-06	0.000857	3.69E-08
1783	494961.06	3859051.99	0.06212	0.0703	0.05953	0.05793	1.13E-04	6E-06	0.00032	6.2E-08	0.00044	1.39E-04	7.33069E-06	0.000387	3.46E-08	5.33E-04	0.000122	5.64E-06	0.000833	3.57E-08
1784	495011.06	3859051.99	0.06064	0.06855	0.05821	0.05644	1.11E-04	5.8E-06	0.00031	6E-08	0.00043	1.35E-04	7.1482E-06	0.000378	3.37E-08	5.21E-04	0.000119	5.5E-06	0.000814	3.48E-08
1785	495061.06	3859051.99	0.05965	0.06738	0.05734	0.05551	1.09E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.33E-04	7.0262E-06	0.000372	3.31E-08	5.13E-04	0.000117	5.41E-06	0.000802	3.42E-08
1786	495111.06	3859051.99	0.05911	0.06675	0.05691	0.05503	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.32E-04	6.9605E-06	0.00037	3.28E-08	5.09E-04	0.000116	5.35E-06	0.000796	3.39E-08
1787	495161.06	3859051.99	0.05953	0.06727	0.05739	0.05549	1.09E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.33E-04	7.01473E-06	0.000373	3.31E-08	5.13E-04	0.000117	5.4E-06	0.000803	3.42E-08
1788	495211.06	3859051.99	0.0589	0.06651	0.05685	0.0549	1.07E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.32E-04	6.93547E-06	0.000369	3.28E-08	5.08E-04	0.000116	5.34E-06	0.000795	3.38E-08
1789	495261.06	3859051.99	0.05906	0.06671	0.05708	0.0551	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.32E-04	6.95633E-06	0.000371	3.29E-08	5.10E-04	0.000116	5.35E-06	0.000798	3.4E-08
1790	495311.06	3859051.99	0.05863	0.0662	0.05674	0.05472	1.07E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.31E-04	6.90315E-06	0.000369	3.27E-08	5.06E-04	0.000115	5.31E-06	0.000794	3.37E-08
1791	495361.06	3859051.99	0.05844	0.06598	0.05663	0.05457	1.07E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.31E-04	6.88021E-06	0.000368	3.26E-08	5.05E-04	0.000115	5.29E-06	0.000792	3.36E-08
1792	495411.06	3859051.99	0.05842	0.06595	0.05667	0.05459	1.06E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.30E-04	6.87708E-06	0.000368	3.26E-08	5.05E-04	0.000115	5.29E-06	0.000793	3.37E-08
1793	495461.06	3859051.99	0.05838	0.0659	0.05669	0.05458	1.06E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.30E-04	6.87187E-06	0.000368	3.26E-08	5.06E-04	0.000115	5.29E-06	0.000793	3.37E-08
1794	495511.06	3859051.99	0.05761	0.06498	0.05602	0.05384	1.05E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.29E-04	6.77593E-06	0.000364	3.21E-08	4.99E-04	0.000113	5.21E-06	0.000784	3.32E-08
1795	495561.06	3859051.99	0.05703	0.06429	0.05552	0.05329	1.04E-04	5.5E-06	0.00029	5.7E-08	0.0004	1.27E-04	6.70398E-06	0.000361	3.18E-08	4.95E-04	0.000112	5.16E-06	0.000777	3.29E-08
1796	495611.06	3859051.99	0.05653	0.06368	0.05509	0.05282	1.03E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.64037E-06	0.000358	3.15E-08	4.91E-04	0.000111	5.11E-06	0.000771	3.26E-08
1797	495661.06	3859051.99	0.05673	0.06391	0.05534	0.05305	1.03E-04	5.4E-06	0.00029	5.7E-08	0.0004	1.27E-04	6.66435E-06	0.000359	3.17E-08	4.93E-04	0.000112	5.13E-06	0.000774	3.27E-08
1798	494311.06	3859101.99	0.07523	0.08455	0.06997	0.07221	1.37E-04	7.2E-06	0.00037	7.7E-08	0.00052	1.68E-04	8.81664E-06	0.000454	4.31E-08	6.31E-04	0.000148	6.78E-06	0.000979	4.45E-08
1799	494361.06	3859101.99	0.0747	0.08407	0.06959	0.07169	1.36E-04	7.2E-06	0.00037	7.6E-08	0.00051	1.67E-04	8.76658E-06	0.000452	4.28E-08	6.28E-04	0.000147	6.74E-06	0.000973	4.42E-08
1800	494411.06	3859101.99	0.07427	0.08368	0.06927	0.07132	1.35E-04	7.1E-06	0.00037	7.6E-08	0.00051	1.66E-04	8.72591E-06	0.00045	4.26E-08	6.25E-04	0.000146	6.71E-06	0.000969	4.4E-08
1801	494461.06	3859101.99	0.07354	0.08295	0.06872	0.07051	1.34E-04	7.1E-06	0.00037	7.5E-08	0.00051	1.64E-04	8.64979E-06	0.000446	4.21E-08	6.19E-04	0.000145	6.65E-06	0.000961	4.35E-08
1802	494511.06	3859101.99	0.0725	0.08186	0.06792	0.06924	1.32E-04	7E-06	0.00036	7.4E-08	0.0005	1.62E-04	8.53613E-06	0.000441	4.13E-08	6.12E-04	0.000143	6.57E-06	0.00095	4.27E-08
1803	494561.06	3859101.99	0.07166	0.08098	0.06727	0.06829	1.31E-04	6.9E-06	0.00036	7.3E-08	0.0005	1.60E-04	8.44437E-06	0.000437	4.08E-08	6.05E-04	0.000141	6.5E-06	0.000941	4.21E-08
1804	494611.06	3859101.99	0.07038	0.07958	0.06625	0.06674	1.28E-04	6.8E-06	0.00035	7.1E-08	0.00049	1.57E-04	8.29838E-06	0.00043	3.98E-08	5.96E-04	0.000139	6.38E-06	0.000927	4.11E-08
1805	494661.06	3859101.99	0.06955	0.07869	0.06559	0.06584	1.27E-04	6.7E-06	0.00035	7E-08	0.00048	1.55E-04	8.20557E-06	0.000426	3.93E-08	5.90E-04	0.000137	6.31E-06	0.000918	4.06E-08
1806	494711.06	3859101.99	0.06807	0.07702	0.06438	0.06412	1.24E-04	6.6E-06	0.00034	6.8E-08	0.00047	1.52E-04	8.03143E-06	0.000418	3.83E-08	5.78E-04	0.000134	6.18E-06	0.000901	3.95E-08
1807	494761.06	3859101.99	0.06765	0.07659	0.06406	0.06376	1.23E-04	6.5E-06	0.00034	6.8E-08	0.00047	1.51E-04	7.98659E-06	0.000416	3.81E-08	5.75E-04	0.000133	6.14E-06	0.000896	3.93E-08
1808	494811.06	3859101.99	0.06666	0.07547	0.06325	0.0627	1.22E-04	6.4E-06	0.00034	6.7E-08	0.00046	1.49E-04	7.8698E-06	0.000411	3.74E-08	5.68E-04	0.000131	6.05E-06	0.000885	3.87E-08
1809	494861.06	3859101.99	0.06577	0.07447	0.06252	0.06177	1.20E-04	6.3E-06	0.00033	6.6E-08	0.00046	1.47E-04	7.76552E-06	0.000406	3.69E-08	5.61E-04	0.00013	5.97E-06	0.000875	3.81E-08
1810	494911.06	3859101.99	0.06446	0.07295	0.0614	0.06037	1.17E-04	6.2E-06	0.00033	6.4E-08	0.00045	1.44E-04	7.60702E-06	0.000399	3.6E-08	5.50E-04	0.000127	5.85E-06	0.000859	3.72E-08
1811	494961.06	3859101.99	0.06244	0.07058	0.05962	0.05823	1.14E-04	6E-06	0.00032	6.2E-08	0.00044	1.39E-04	7.35988E-06	0.000387	3.48E-08	5.34E-04	0.000123	5.66E-06	0.000834	3.59E-08
1812	495011.06	3859101.99	0.06029	0.06805	0.05769	0.05607	1.10E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.09606E-06	0.000375	3.35E-08	5.17E-04	0.000119	5.46E-06	0.000807	3.46E-08
1813	495061.06	3859101.99	0.06028	0.06808	0.05776	0.05613	1.10E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.09919E-06	0.000375	3.35E-08	5.17E-04	0.000119	5.46E-06	0.000808	3.46E-08
1814	495111.06	3859101.99	0.05968	0.06739	0.05726	0.05559	1.09E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.33E-04	7.02724E-06	0.000372	3.32E-08	5.12E-04	0.000118	5.41E-06	0.000801	3.43E-08
1815	495161.06	3859101.99	0.06006	0.06787	0.05769	0.05605	1.09E-04	5.8E-06	0.00031	6E-08	0.00042	1.34E-04	7.07729E-06	0.000375	3.35E-08	5.16E-04	0.000118	5.44E-06	0.000807	3.46E-08
1816	495211.06	3859101.99	0.05951	0.06724	0.05725	0.05555	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.33E-04	7.0116E-06	0.000372	3.32E-08	5.12E-04	0.000117	5.39E-06	0.000801	3.43E-08
1817	495261.06	3859101.99	0.05951	0.06725	0.05731	0.05561	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.33E-04	7.01264E-06	0.000372	3.32E-08	5.12E-04	0.000117	5.39E-06	0.000802	3.43E-08
1818	495311.06	3859101.99	0.05935	0.06711	0.05729	0.05536	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.33E-04	6.99804E-06	0.000372	3.3E-08	5.12E-04	0.000117	5.38E-06	0.000801	3.41E-08
1819	495361.06	3859101.99	0.05932	0.06705	0.05727	0.05554	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.33E-04	6.99178E-06	0.000372	3.31E-08	5.12E-04	0.000117	5.38E-06	0.000801	3.42E-08
1820	495411.06	3859101.99	0.05917	0.06687	0.05719	0.05544	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.32E-04	6.97301E-06	0.000371	3.31E-08	5.11E-04	0.000117	5.36E-06	0.0008	3.42E-08
1821	495461.06	3859101.99	0.05873	0.06641	0.057	0.05501	1.07E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.31E-04	6.92505E-06	0.00037	3.28E-08	5.08E-04	0.000116	5.33E-06	0.000797	3.39E-08
1822	495511.06	3859101.99	0.05844	0.06608	0.05679	0.05477	1.07E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.31E-04	6.89064E-06	0.000369	3.27E-08	5.06E-04	0.000115	5.3E-06	0.000794	3.38E-08
1823	495561.06	3859101.99	0.05786	0.06533	0.05615	0.05423	1.05E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.29E-04	6.81243E-06	0.000365	3.24E-08	5.01E-04	0.000114	5.24E-06	0.000785	3.34E-08
1824	495611.06	3859101.99	0.05726	0.06462	0.05563	0.05359	1.04E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.28E-04	6.73839E-06	0.000361	3.2E-08	4.96E-04	0.000113	5.18E-06	0.000778	3.3E-08
1825	495661.06	3859101.99	0.05721	0.06456	0.05564	0.05364	1.04E-04	5.5E-06	0.0003	5.7E-08	0.00041	1.28E-04	6.73213E-06	0.000361	3.2E-08	4.96E-04	0.000113	5.18E-06	0.000778	3.31E-08
1826	494311.06	3859151.99	0.07537	0.0841	0.06976	0.07304	1.37E-04	7.2E-06	0.00037	7.8E-08	0.00052	1.68E-04	8.76971E-06	0.000453	4.36E-08	6.30E-04	0.000148	6.75E-06	0.000976	4.5E-08

1827	494361.06	3859151.99	0.07501	0.08382	0.0695	0.07279	1.37E-04	7.1E-06	0.00037	7.8E-08	0.00051	1.68E-04	8.74051E-06	0.000451	4.34E-08	6.28E-04	0.000148	6.72E-06	0.000972	4.49E-08
1828	494411.06	3859151.99	0.07421	0.08304	0.06891	0.0718	1.35E-04	7.1E-06	0.00037	7.7E-08	0.00051	1.66E-04	8.65918E-06	0.000448	4.29E-08	6.22E-04	0.000146	6.66E-06	0.000964	4.43E-08
1829	494461.06	3859151.99	0.07339	0.08224	0.0683	0.07078	1.34E-04	7E-06	0.00036	7.6E-08	0.0005	1.64E-04	8.57575E-06	0.000444	4.22E-08	6.16E-04	0.000145	6.6E-06	0.000955	4.36E-08
1830	494511.06	3859151.99	0.07232	0.08115	0.06749	0.06941	1.32E-04	6.9E-06	0.00036	7.4E-08	0.0005	1.62E-04	8.46209E-06	0.000438	4.14E-08	6.08E-04	0.000142	6.51E-06	0.000944	4.28E-08
1831	494561.06	3859151.99	0.07165	0.0805	0.06699	0.06867	1.31E-04	6.9E-06	0.00036	7.3E-08	0.00049	1.60E-04	8.39431E-06	0.000435	4.1E-08	6.04E-04	0.000141	6.46E-06	0.000937	4.23E-08
1832	494611.06	3859151.99	0.07056	0.07935	0.06614	0.0673	1.29E-04	6.8E-06	0.00035	7.2E-08	0.00049	1.58E-04	8.27439E-06	0.00043	4.02E-08	5.96E-04	0.000139	6.37E-06	0.000925	4.15E-08
1833	494661.06	3859151.99	0.06983	0.07862	0.06557	0.0665	1.27E-04	6.7E-06	0.00035	7.1E-08	0.00048	1.56E-04	8.19827E-06	0.000426	3.97E-08	5.90E-04	0.000138	6.31E-06	0.000917	4.1E-08
1834	494711.06	3859151.99	0.0692	0.07797	0.06509	0.06583	1.26E-04	6.6E-06	0.00035	7E-08	0.00048	1.55E-04	8.13049E-06	0.000423	3.93E-08	5.86E-04	0.000136	6.25E-06	0.000911	4.06E-08
1835	494761.06	3859151.99	0.06789	0.07655	0.06403	0.06426	1.24E-04	6.5E-06	0.00034	6.9E-08	0.00047	1.52E-04	7.98242E-06	0.000416	3.84E-08	5.76E-04	0.000134	6.14E-06	0.000896	3.96E-08
1836	494811.06	3859151.99	0.06678	0.07532	0.06312	0.06298	1.22E-04	6.4E-06	0.00034	6.7E-08	0.00046	1.49E-04	7.85416E-06	0.00041	3.76E-08	5.67E-04	0.000132	6.04E-06	0.000883	3.88E-08
1837	494861.06	3859151.99	0.06604	0.07453	0.06254	0.06222	1.20E-04	6.3E-06	0.00033	6.6E-08	0.00046	1.48E-04	7.77178E-06	0.000406	3.71E-08	5.62E-04	0.00013	5.98E-06	0.000875	3.84E-08
1838	494911.06	3859151.99	0.06464	0.07295	0.06135	0.06064	1.18E-04	6.2E-06	0.00033	6.5E-08	0.00045	1.44E-04	7.60702E-06	0.000398	3.62E-08	5.51E-04	0.000127	5.85E-06	0.000858	3.74E-08
1839	494961.06	3859151.99	0.06277	0.07084	0.05981	0.05847	1.14E-04	6E-06	0.00032	6.2E-08	0.00044	1.40E-04	7.38699E-06	0.000388	3.49E-08	5.36E-04	0.000124	5.68E-06	0.000837	3.61E-08
1840	495011.06	3859151.99	0.06084	0.06855	0.05803	0.05659	1.11E-04	5.8E-06	0.00031	6E-08	0.00043	1.36E-04	7.1482E-06	0.000377	3.38E-08	5.20E-04	0.00012	5.5E-06	0.000812	3.49E-08
1841	495061.06	3859151.99	0.06065	0.06838	0.05792	0.05648	1.11E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.13047E-06	0.000376	3.37E-08	5.19E-04	0.000119	5.49E-06	0.00081	3.48E-08
1842	495111.06	3859151.99	0.06029	0.068	0.05765	0.05618	1.10E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.09085E-06	0.000374	3.35E-08	5.16E-04	0.000119	5.45E-06	0.000806	3.46E-08
1843	495161.06	3859151.99	0.06065	0.06846	0.05804	0.05665	1.11E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.13882E-06	0.000377	3.38E-08	5.20E-04	0.000119	5.49E-06	0.000812	3.49E-08
1844	495211.06	3859151.99	0.06035	0.06814	0.05783	0.05642	1.10E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.10545E-06	0.000376	3.37E-08	5.18E-04	0.000119	5.47E-06	0.000809	3.48E-08
1845	495261.06	3859151.99	0.06007	0.06785	0.05764	0.05621	1.09E-04	5.8E-06	0.00031	6E-08	0.00042	1.34E-04	7.07521E-06	0.000374	3.35E-08	5.16E-04	0.000118	5.44E-06	0.000806	3.47E-08
1846	495311.06	3859151.99	0.05988	0.06765	0.05752	0.05609	1.09E-04	5.8E-06	0.00031	6E-08	0.00042	1.34E-04	7.05435E-06	0.000374	3.35E-08	5.14E-04	0.000118	5.43E-06	0.000805	3.46E-08
1847	495361.06	3859151.99	0.05963	0.06737	0.05735	0.0559	1.09E-04	5.7E-06	0.0003	6E-08	0.00042	1.33E-04	7.02515E-06	0.000373	3.34E-08	5.13E-04	0.000117	5.4E-06	0.000802	3.45E-08
1848	495411.06	3859151.99	0.05989	0.06771	0.05765	0.05628	1.09E-04	5.8E-06	0.00031	6E-08	0.00042	1.34E-04	7.06061E-06	0.000374	3.36E-08	5.15E-04	0.000118	5.43E-06	0.000806	3.47E-08
1849	495461.06	3859151.99	0.05967	0.06747	0.05751	0.05613	1.09E-04	5.7E-06	0.00031	6E-08	0.00042	1.33E-04	7.03558E-06	0.000374	3.35E-08	5.14E-04	0.000118	5.41E-06	0.000805	3.46E-08
1850	495511.06	3859151.99	0.059	0.06668	0.05695	0.05545	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.32E-04	6.9532E-06	0.00037	3.31E-08	5.09E-04	0.000116	5.35E-06	0.000797	3.42E-08
1851	495561.06	3859151.99	0.05852	0.06613	0.05657	0.055	1.07E-04	5.6E-06	0.0003	5.9E-08	0.00041	1.31E-04	6.89585E-06	0.000367	3.28E-08	5.05E-04	0.000115	5.3E-06	0.000791	3.39E-08
1852	495611.06	3859151.99	0.05811	0.06566	0.05625	0.05462	1.06E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.30E-04	6.84684E-06	0.000365	3.26E-08	5.02E-04	0.000114	5.27E-06	0.000787	3.37E-08
1853	495661.06	3859151.99	0.05777	0.06525	0.05598	0.05431	1.05E-04	5.6E-06	0.0003	5.8E-08	0.00041	1.29E-04	6.80409E-06	0.000364	3.24E-08	4.99E-04	0.000114	5.23E-06	0.000783	3.35E-08
1854	494311.06	3859201.99	0.07533	0.08344	0.06939	0.07376	1.37E-04	7.1E-06	0.00037	7.9E-08	0.00051	1.68E-04	8.70089E-06	0.000451	4.4E-08	6.28E-04	0.000148	6.69E-06	0.000971	4.55E-08
1855	494361.06	3859201.99	0.07482	0.08299	0.06902	0.07323	1.36E-04	7.1E-06	0.00037	7.8E-08	0.00051	1.67E-04	8.65396E-06	0.000448	4.37E-08	6.24E-04	0.000147	6.66E-06	0.000966	4.52E-08
1856	494411.06	3859201.99	0.07415	0.08237	0.06854	0.07241	1.35E-04	7E-06	0.00036	7.7E-08	0.00051	1.66E-04	8.58931E-06	0.000445	4.32E-08	6.19E-04	0.000146	6.61E-06	0.000959	4.46E-08
1857	494461.06	3859201.99	0.0732	0.08145	0.06785	0.07111	1.33E-04	6.9E-06	0.00036	7.6E-08	0.0005	1.64E-04	8.49338E-06	0.000441	4.24E-08	6.13E-04	0.000144	6.53E-06	0.000949	4.38E-08
1858	494511.06	3859201.99	0.07253	0.08082	0.06736	0.07031	1.32E-04	6.9E-06	0.00036	7.5E-08	0.0005	1.62E-04	8.42768E-06	0.000438	4.2E-08	6.08E-04	0.000143	6.48E-06	0.000942	4.34E-08
1859	494561.06	3859201.99	0.07145	0.07974	0.06655	0.06886	1.30E-04	6.8E-06	0.00035	7.3E-08	0.00049	1.60E-04	8.31506E-06	0.000432	4.11E-08	6.00E-04	0.000141	6.4E-06	0.000931	4.25E-08
1860	494611.06	3859201.99	0.07058	0.07888	0.0659	0.06778	1.29E-04	6.7E-06	0.00035	7.2E-08	0.00049	1.58E-04	8.22538E-06	0.000428	4.05E-08	5.94E-04	0.000139	6.33E-06	0.000922	4.18E-08
1861	494661.06	3859201.99	0.06987	0.07819	0.06536	0.06696	1.27E-04	6.7E-06	0.00035	7.1E-08	0.00048	1.56E-04	8.15343E-06	0.000425	4E-08	5.89E-04	0.000138	6.27E-06	0.000914	4.13E-08
1862	494711.06	3859201.99	0.06916	0.07748	0.06481	0.06614	1.26E-04	6.6E-06	0.00034	7.1E-08	0.00048	1.54E-04	8.0794E-06	0.000421	3.95E-08	5.84E-04	0.000136	6.22E-06	0.000907	4.08E-08
1863	494761.06	3859201.99	0.06799	0.07625	0.06389	0.06467	1.24E-04	6.5E-06	0.00034	6.9E-08	0.00047	1.52E-04	7.95113E-06	0.000415	3.86E-08	5.75E-04	0.000134	6.12E-06	0.000894	3.99E-08
1864	494811.06	3859201.99	0.067	0.0752	0.0631	0.0635	1.22E-04	6.4E-06	0.00034	6.8E-08	0.00046	1.50E-04	7.84164E-06	0.00041	3.79E-08	5.67E-04	0.000132	6.03E-06	0.000883	3.92E-08
1865	494861.06	3859201.99	0.06588	0.07404	0.06222	0.06202	1.20E-04	6.3E-06	0.00033	6.6E-08	0.00046	1.47E-04	7.72068E-06	0.000404	3.7E-08	5.59E-04	0.00013	5.94E-06	0.00087	3.82E-08
1866	494911.06	3859201.99	0.06434	0.07228	0.0609	0.06038	1.17E-04	6.2E-06	0.00032	6.4E-08	0.00045	1.44E-04	7.53715E-06	0.000396	3.6E-08	5.47E-04	0.000127	5.8E-06	0.000852	3.72E-08
1867	494961.06	3859201.99	0.06273	0.07046	0.05952	0.05858	1.14E-04	6E-06	0.00032	6.2E-08	0.00044	1.40E-04	7.34737E-06	0.000387	3.5E-08	5.34E-04	0.000124	5.65E-06	0.000833	3.61E-08
1868	495011.06	3859201.99	0.06055	0.06797	0.05761	0.05619	1.10E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.08772E-06	0.000374	3.35E-08	5.17E-04	0.000119	5.45E-06	0.000806	3.46E-08
1869	495061.06	3859201.99	0.0613	0.06892	0.05834	0.05718	1.12E-04	5.9E-06	0.00031	6.1E-08	0.00043	1.37E-04	7.18678E-06	0.000379	3.41E-08	5.23E-04	0.000121	5.53E-06	0.000816	3.53E-08
1870	495111.06	3859201.99	0.06124	0.06891	0.05833	0.05722	1.12E-04	5.9E-06	0.00031	6.1E-08	0.00043	1.37E-04	7.18574E-06	0.000379	3.42E-08	5.23E-04	0.000121	5.53E-06	0.000816	3.53E-08
1871	495161.06	3859201.99	0.06106	0.06877	0.05823	0.05714	1.11E-04	5.9E-06	0.00031	6.1E-08	0.00043	1.36E-04	7.17114E-06	0.000378	3.41E-08	5.22E-04	0.00012	5.52E-06	0.000815	3.52E-08
1872	495211.06	3859201.99	0.06058	0.06825	0.05784	0.0567	1.10E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.11692E-06	0.000376	3.38E-08	5.18E-04	0.000119	5.47E-06	0.000809	3.5E-08
1873	495261.06	3859201.99	0.06054	0.06826	0.05787	0.05677	1.10E-04	5.8E-06	0.00031	6.1E-08	0.00042	1.35E-04	7.11796E-06	0.000376	3.39E-08	5.18E-04	0.000119	5.48E-06	0.00081	3.5E-08
1874	495311.06	3859201.99	0.06035	0.06807	0.05774	0.05666	1.10E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.09815E-06	0.000375	3.38E-08	5.17E-04	0.000119	5.46E-06	0.000808	3.49E-08
1875	495361.06	3859201.99	0.06023	0.06797	0.05769	0.05663	1.10E-04	5.8E-06	0.00031	6E-08	0.00042	1.35E-04	7.08772E-06	0.000375	3.38E-08	5.16E-04	0.000119	5.45E-06	0.000807	3.49E-08
1876	495411.06	3859201.99	0.06037	0.06818	0.05787	0.05693	1.10E-04	5.8E-06	0.00031	6.1E-08	0.00042	1.35E-04	7.10962E-06	0.000376	3.4E-08	5.18E-04	0.000119	5.47E-06	0.00081	3.51E-08
1877	495461.06	3859201.99	0.06004	0.06782	0.05763	0.05665	1.09E-04	5.8E-06	0.00031	6E-08	0.00042	1.34E-04	7.07208E-06	0.000374	3.38E-08	5.16E-04	0.000118	5.44E-06	0.000806	3.49E-08
1878	495511.06	3859201.99	0.05972	0.06747	0.05739	0.05638	1.09E-04	5.7E-06	0.0003	6E-08	0.00042	1.33E-04	7.03558E-06	0.000373	3.36E-08	5.13E-04	0.000118	5.41E-06	0.000803	3.48E-08
1879	495561.06	3859201.99	0.05901	0.06665	0.0568	0.05563	1.08E-04	5.7E-06	0.0003	5.9E-08	0.00042	1.32E-04	6.95007E-06	0.000369	3.32E-08	5.08E-04	0.000116	5.35E-06	0.000795	3.43E-08
1880	495611.06	3859201.99	0.0585	0.06608	0.0564	0.05514	1.07E-04	5.6E-06	0.0003	5.9E-08	0.00041	1.31E-04	6.89064E-06	0.000366	3.29E-08	5.04E-04	0.000115	5.3E-06	0.000789	3.4E-08
1881	495661.06	3859201.99	0.05817	0.06571	0.05615	0.05485	1.06E-04	5.6E-06	0.0003	5.9E-08	0.00041	1.30E-04	6.85205E-06	0.000365	3.27E-08	5.02E-04	0.000115	5.27E-06	0.000785	3.38E-08
1882	494311.06	3859251.99	0.07516	0.08269	0.0689	0.07443	1.37E-04	7E-06	0.00037	7.9E-08	0.00051	1.68E-04	8.62268E-06	0.000448	4.44E-08	6.24E-04	0.000148	6.63E-06	0.000964	4.59E-08
1883	494361.06	3859251.99	0.07448	0.08206	0.06843	0.07354	1.36E-04	7E-06	0.00036	7.8E-08	0.00051	1.66E-04	8.55698E-06	0.000444	4.39E-08	6.19E-04	0.000147	6.58E-06	0.000957	4.53E-08
1884	494411.06	3859251.99	0.07357	0.08118	0.0678	0.07223	1.34E-04	6.9E-06	0.00036	7.7E-08	0.0005	1.64E-04	8.46522E-06	0.00044	4.31E-08	6.13E-04	0.000145	6.51E-06	0.000948	4.45E-08
1885	494461.06	3859251.99	0.07293	0.08059	0.06734	0.07144	1.33E-04	6.9E-06	0.00036	7.6E-08	0.0005	1.63E-04	8.4037E-06	0.000437	4.26E-08	6.09E-04	0.000144	6.46E-06	0.000942	4.4E-08
1886	494511.06	3859251.99	0.07192	0.0796	0.06662	0.07	1.31E-04	6.8E-06	0.00035	7.5E-08	0.00049	1.61E-04	8.30046E-06	0.000433	4.18E-08	6.02E-04	0.000142	6.39E-06	0.000932	4.32E-08
1887	494561.06	3859251.99	0.07122	0.07895	0.06611	0.06913	1.30E-04	6.7E-06	0.00035	7.4E-08	0.00049	1.59E-04	8.23268E-06	0.000429	4.13E-08	5.97E-04	0.00014	6.33E-06	0.000925	4.26E-08

1888	494611.06	3859251.99	0.07032	0.07806	0.06544	0.06792	1.28E-04	6.6E-06	0.00035	7.2E-08	0.00048	1.57E-04	8.13988E-06	0.000425	4.05E-08	5.90E-04	0.000138	6.26E-06	0.000915	4.19E-08
1889	494661.06	3859251.99	0.0698	0.07759	0.06505	0.06737	1.27E-04	6.6E-06	0.00035	7.2E-08	0.00048	1.56E-04	8.09087E-06	0.000423	4.02E-08	5.87E-04	0.000137	6.22E-06	0.00091	4.15E-08
1890	494711.06	3859251.99	0.06911	0.07692	0.06452	0.06653	1.26E-04	6.5E-06	0.00034	7.1E-08	0.00048	1.54E-04	8.021E-06	0.000419	3.97E-08	5.82E-04	0.000136	6.17E-06	0.000903	4.1E-08
1891	494761.06	3859251.99	0.06742	0.07519	0.06325	0.06406	1.23E-04	6.4E-06	0.00034	6.8E-08	0.00047	1.51E-04	7.8406E-06	0.000411	3.82E-08	5.69E-04	0.000133	6.03E-06	0.000885	3.95E-08
1892	494811.06	3859251.99	0.06708	0.07486	0.06295	0.06394	1.22E-04	6.4E-06	0.00033	6.8E-08	0.00046	1.50E-04	7.80619E-06	0.000409	3.82E-08	5.67E-04	0.000132	6.01E-06	0.000881	3.94E-08
1893	494861.06	3859251.99	0.0655	0.07321	0.06176	0.06183	1.19E-04	6.2E-06	0.00033	6.6E-08	0.00045	1.46E-04	7.63413E-06	0.000401	3.69E-08	5.55E-04	0.000129	5.87E-06	0.000864	3.81E-08
1894	494911.06	3859251.99	0.06401	0.07151	0.06044	0.0601	1.17E-04	6.1E-06	0.00032	6.4E-08	0.00044	1.43E-04	7.45686E-06	0.000393	3.59E-08	5.43E-04	0.000126	5.74E-06	0.000845	3.71E-08
1895	494961.06	3859251.99	0.06322	0.07069	0.05979	0.05926	1.15E-04	6E-06	0.00032	6.3E-08	0.00044	1.41E-04	7.37135E-06	0.000388	3.54E-08	5.37E-04	0.000125	5.67E-06	0.000836	3.65E-08
1896	495011.06	3859251.99	0.06226	0.06966	0.05899	0.05823	1.13E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.39E-04	7.26395E-06	0.000383	3.48E-08	5.30E-04	0.000123	5.59E-06	0.000825	3.59E-08
1897	495061.06	3859251.99	0.06227	0.06976	0.05904	0.05838	1.14E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.39E-04	7.27438E-06	0.000383	3.48E-08	5.30E-04	0.000123	5.6E-06	0.000826	3.6E-08
1898	495111.06	3859251.99	0.06188	0.06938	0.05873	0.05804	1.13E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.38E-04	7.23475E-06	0.000381	3.46E-08	5.27E-04	0.000122	5.57E-06	0.000822	3.58E-08
1899	495161.06	3859251.99	0.06167	0.06921	0.05858	0.05793	1.12E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.38E-04	7.21702E-06	0.00038	3.46E-08	5.26E-04	0.000121	5.55E-06	0.000819	3.57E-08
1900	495211.06	3859251.99	0.06123	0.06876	0.05824	0.05753	1.12E-04	5.9E-06	0.00031	6.1E-08	0.00043	1.37E-04	7.1701E-06	0.000378	3.43E-08	5.22E-04	0.000121	5.52E-06	0.000815	3.55E-08
1901	495261.06	3859251.99	0.06109	0.06871	0.05823	0.05741	1.11E-04	5.8E-06	0.00031	6.1E-08	0.00043	1.36E-04	7.16488E-06	0.000378	3.43E-08	5.22E-04	0.00012	5.51E-06	0.000815	3.54E-08
1902	495311.06	3859251.99	0.06101	0.06863	0.05813	0.05754	1.11E-04	5.8E-06	0.00031	6.1E-08	0.00043	1.36E-04	7.15654E-06	0.000378	3.43E-08	5.21E-04	0.00012	5.51E-06	0.000813	3.55E-08
1903	495361.06	3859251.99	0.06074	0.06837	0.05793	0.05735	1.11E-04	5.8E-06	0.00031	6.1E-08	0.00042	1.36E-04	7.12943E-06	0.000376	3.42E-08	5.19E-04	0.00012	5.48E-06	0.00081	3.54E-08
1904	495411.06	3859251.99	0.0608	0.06849	0.05803	0.05757	1.11E-04	5.8E-06	0.00031	6.1E-08	0.00043	1.36E-04	7.14194E-06	0.000377	3.44E-08	5.20E-04	0.00012	5.49E-06	0.000812	3.55E-08
1905	495461.06	3859251.99	0.06049	0.06818	0.05781	0.05733	1.10E-04	5.8E-06	0.00031	6.1E-08	0.00042	1.35E-04	7.10962E-06	0.000375	3.42E-08	5.18E-04	0.000119	5.47E-06	0.000809	3.53E-08
1906	495511.06	3859251.99	0.0598	0.06741	0.05724	0.05658	1.09E-04	5.7E-06	0.0003	6E-08	0.00042	1.34E-04	7.02932E-06	0.000372	3.38E-08	5.12E-04	0.000118	5.41E-06	0.000801	3.49E-08
1907	495561.06	3859251.99	0.0594	0.06698	0.05693	0.05621	1.08E-04	5.7E-06	0.0003	6E-08	0.00042	1.33E-04	6.98449E-06	0.00037	3.35E-08	5.09E-04	0.000117	5.37E-06	0.000796	3.47E-08
1908	495611.06	3859251.99	0.05879	0.06631	0.05644	0.05558	1.07E-04	5.6E-06	0.0003	5.9E-08	0.00041	1.31E-04	6.91462E-06	0.000367	3.32E-08	5.05E-04	0.000116	5.32E-06	0.00079	3.43E-08
1909	495661.06	3859251.99	0.05839	0.06587	0.05613	0.05521	1.06E-04	5.6E-06	0.0003	5.9E-08	0.00041	1.30E-04	6.86874E-06	0.000365	3.3E-08	5.02E-04	0.000115	5.28E-06	0.000785	3.4E-08
1910	494311.06	3859301.99	0.07481	0.08182	0.06826	0.0749	1.36E-04	7E-06	0.00036	8E-08	0.00051	1.67E-04	8.53196E-06	0.000443	4.47E-08	6.19E-04	0.000147	6.56E-06	0.000955	4.62E-08
1911	494361.06	3859301.99	0.07413	0.08117	0.06781	0.07395	1.35E-04	6.9E-06	0.00036	7.9E-08	0.0005	1.66E-04	8.46418E-06	0.00044	4.41E-08	6.15E-04	0.000146	6.51E-06	0.000949	4.56E-08
1912	494411.06	3859301.99	0.07327	0.08035	0.06724	0.07265	1.34E-04	6.8E-06	0.00036	7.8E-08	0.0005	1.64E-04	8.37867E-06	0.000437	4.34E-08	6.09E-04	0.000144	6.45E-06	0.000941	4.48E-08
1913	494461.06	3859301.99	0.0724	0.07951	0.06664	0.07136	1.32E-04	6.8E-06	0.00035	7.6E-08	0.00049	1.62E-04	8.29108E-06	0.000433	4.26E-08	6.03E-04	0.000143	6.38E-06	0.000932	4.4E-08
1914	494511.06	3859301.99	0.07161	0.07875	0.06609	0.07026	1.31E-04	6.7E-06	0.00035	7.5E-08	0.00049	1.60E-04	8.21183E-06	0.000429	4.19E-08	5.97E-04	0.000141	6.32E-06	0.000925	4.33E-08
1915	494561.06	3859301.99	0.07096	0.07814	0.06563	0.06943	1.29E-04	6.6E-06	0.00035	7.4E-08	0.00048	1.59E-04	8.14822E-06	0.000426	4.14E-08	5.93E-04	0.00014	6.27E-06	0.000918	4.28E-08
1916	494611.06	3859301.99	0.07024	0.07746	0.0651	0.06848	1.28E-04	6.6E-06	0.00035	7.3E-08	0.00048	1.57E-04	8.07731E-06	0.000423	4.09E-08	5.88E-04	0.000138	6.21E-06	0.000911	4.22E-08
1917	494661.06	3859301.99	0.06953	0.07677	0.06458	0.06755	1.27E-04	6.5E-06	0.00034	7.2E-08	0.00048	1.55E-04	8.00536E-06	0.000419	4.03E-08	5.83E-04	0.000137	6.16E-06	0.000903	4.16E-08
1918	494711.06	3859301.99	0.06866	0.07593	0.06394	0.06639	1.25E-04	6.5E-06	0.00034	7.1E-08	0.00047	1.53E-04	7.91777E-06	0.000415	3.96E-08	5.77E-04	0.000135	6.09E-06	0.000894	4.09E-08
1919	494761.06	3859301.99	0.06789	0.07517	0.06335	0.06539	1.24E-04	6.4E-06	0.00034	7E-08	0.00047	1.52E-04	7.83852E-06	0.000411	3.9E-08	5.71E-04	0.000134	6.03E-06	0.000886	4.03E-08
1920	494811.06	3859301.99	0.06677	0.07403	0.0625	0.06388	1.22E-04	6.3E-06	0.00033	6.8E-08	0.00046	1.49E-04	7.71964E-06	0.000406	3.81E-08	5.63E-04	0.000132	5.94E-06	0.000874	3.94E-08
1921	494861.06	3859301.99	0.06519	0.07236	0.06125	0.06177	1.19E-04	6.2E-06	0.00033	6.6E-08	0.00045	1.46E-04	7.5455E-06	0.000398	3.69E-08	5.51E-04	0.000128	5.8E-06	0.000857	3.81E-08
1922	494911.06	3859301.99	0.06437	0.07152	0.06059	0.06081	1.17E-04	6.1E-06	0.00032	6.5E-08	0.00045	1.44E-04	7.4579E-06	0.000394	3.63E-08	5.45E-04	0.000127	5.74E-06	0.000848	3.75E-08
1923	494961.06	3859301.99	0.06274	0.06977	0.05926	0.05873	1.14E-04	5.9E-06	0.00031	6.3E-08	0.00044	1.40E-04	7.27542E-06	0.000385	3.51E-08	5.32E-04	0.000124	5.6E-06	0.000829	3.62E-08
1924	495011.06	3859301.99	0.06212	0.06914	0.05875	0.05808	1.13E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.39E-04	7.20972E-06	0.000382	3.47E-08	5.28E-04	0.000122	5.55E-06	0.000822	3.58E-08
1925	495061.06	3859301.99	0.0628	0.07006	0.0594	0.05914	1.14E-04	6E-06	0.00032	6.3E-08	0.00044	1.40E-04	7.30566E-06	0.000386	3.53E-08	5.33E-04	0.000124	5.62E-06	0.000831	3.65E-08
1926	495111.06	3859301.99	0.06192	0.06909	0.05862	0.05813	1.13E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.38E-04	7.20451E-06	0.000381	3.47E-08	5.26E-04	0.000122	5.54E-06	0.00082	3.58E-08
1927	495161.06	3859301.99	0.0617	0.0689	0.05844	0.0581	1.12E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.38E-04	7.1847E-06	0.00038	3.47E-08	5.25E-04	0.000122	5.53E-06	0.000818	3.58E-08
1928	495211.06	3859301.99	0.06184	0.06914	0.05858	0.05845	1.13E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.38E-04	7.20972E-06	0.00038	3.49E-08	5.26E-04	0.000122	5.55E-06	0.000819	3.6E-08
1929	495261.06	3859301.99	0.06175	0.06912	0.05853	0.0585	1.13E-04	5.9E-06	0.00031	6.2E-08	0.00043	1.38E-04	7.20764E-06	0.00038	3.49E-08	5.25E-04	0.000122	5.54E-06	0.000819	3.61E-08
1930	495311.06	3859301.99	0.06114	0.06849	0.05805	0.05786	1.11E-04	5.8E-06	0.00031	6.2E-08	0.00043	1.37E-04	7.14194E-06	0.000377	3.45E-08	5.21E-04	0.00012	5.49E-06	0.000812	3.57E-08
1931	495361.06	3859301.99	0.06112	0.06854	0.05806	0.05801	1.11E-04	5.8E-06	0.00031	6.2E-08	0.00043	1.37E-04	7.14716E-06	0.000377	3.46E-08	5.21E-04	0.00012	5.5E-06	0.000812	3.58E-08
1932	495411.06	3859301.99	0.06091	0.06836	0.05791	0.05789	1.11E-04	5.8E-06	0.00031	6.2E-08	0.00042	1.36E-04	7.12839E-06	0.000376	3.46E-08	5.19E-04	0.00012	5.48E-06	0.00081	3.57E-08
1933	495461.06	3859301.99	0.06077	0.06825	0.05782	0.05787	1.11E-04	5.8E-06	0.00031	6.2E-08	0.00042	1.36E-04	7.11692E-06	0.000376	3.45E-08	5.18E-04	0.00012	5.47E-06	0.000809	3.57E-08
1934	495511.06	3859301.99	0.06023	0.06768	0.05739	0.0573	1.10E-04	5.8E-06	0.0003	6.1E-08	0.00042	1.35E-04	7.05748E-06	0.000373	3.42E-08	5.14E-04	0.000119	5.43E-06	0.000803	3.53E-08
1935	495561.06	3859301.99	0.05936	0.06673	0.05669	0.05631	1.08E-04	5.7E-06	0.0003	6E-08	0.00042	1.33E-04	6.95842E-06	0.000368	3.36E-08	5.08E-04	0.000117	5.35E-06	0.000793	3.47E-08
1936	495611.06	3859301.99	0.05898	0.06634	0.05639	0.05596	1.08E-04	5.6E-06	0.0003	6E-08	0.00041	1.32E-04	6.91775E-06	0.000366	3.34E-08	5.05E-04	0.000116	5.32E-06	0.000789	3.45E-08
1937	495661.06	3859301.99	0.05858	0.06592	0.05609	0.05559	1.07E-04	5.6E-06	0.0003	5.9E-08	0.00041	1.31E-04	6.87395E-06	0.000364	3.32E-08	5.02E-04	0.000115	5.29E-06	0.000785	3.43E-08
1938	494311.06	3859351.99	0.07419	0.08077	0.06744	0.07488	1.35E-04	6.9E-06	0.00036	8E-08	0.0005	1.66E-04	8.42247E-06	0.000438	4.47E-08	6.12E-04	0.000146	6.48E-06	0.000943	4.62E-08
1939	494361.06	3859351.99	0.07354	0.08013	0.06702	0.07395	1.34E-04	6.8E-06	0.00036	7.9E-08	0.0005	1.64E-04	8.35573E-06	0.000435	4.41E-08	6.08E-04	0.000145	6.43E-06	0.000938	4.56E-08
1940	494411.06	3859351.99	0.07265	0.07927	0.06646	0.07253	1.32E-04	6.7E-06	0.00035	7.7E-08	0.00049	1.62E-04	8.26605E-06	0.000432	4.33E-08	6.02E-04	0.000143	6.36E-06	0.00093	4.47E-08
1941	494461.06	3859351.99	0.07187	0.07851	0.06595	0.07136	1.31E-04	6.7E-06	0.00035	7.6E-08	0.00049	1.61E-04	8.1868E-06	0.000428	4.26E-08	5.97E-04	0.000142	6.3E-06	0.000923	4.4E-08
1942	494511.06	3859351.99	0.07115	0.07782	0.06546	0.07034	1.30E-04	6.6E-06	0.00035	7.5E-08	0.00048	1.59E-04	8.11485E-06	0.000425	4.2E-08	5.92E-04	0.00014	6.24E-06	0.000916	4.34E-08
1943	494561.06	3859351.99	0.07059	0.07729	0.06506	0.06964	1.29E-04	6.6E-06	0.00035	7.4E-08	0.00048	1.58E-04	8.05958E-06	0.000423	4.16E-08	5.88E-04	0.000139	6.2E-06	0.00091	4.29E-08
1944	494611.06	3859351.99	0.06994	0.07667	0.0646	0.06878	1.27E-04	6.5E-06	0.00034	7.3E-08	0.00048	1.56E-04	7.99493E-06	0.00042	4.11E-08	5.84E-04	0.000138	6.15E-06	0.000904	4.24E-08
1945	494661.06	3859351.99	0.06925	0.07601	0.06411	0.06784	1.26E-04	6.5E-06	0.00034	7.2E-08	0.00047	1.55E-04	7.92611E-06	0.000416	4.05E-08	5.79E-04	0.000136	6.1E-06	0.000897	4.18E-08
1946	494711.06	3859351.99	0.06838	0.07515	0.06348	0.06659	1.25E-04	6.4E-06	0.00034	7.1E-08	0.00047	1.53E-04	7.83643E-06	0.000412	3.97E-08	5.73E-04	0.000135	6.03E-06	0.000888	4.11E-08
1947	494761.06	3859351.99	0.06727	0.0741	0.06273	0.06491	1.23E-04	6.3E-06	0.00033	6.9E-08	0.00046	1.50E-04	7.72694E-06	0.000407	3.87E-08	5.65E-04	0.000132	5.94E-06	0.000878	4E-08
1948	494811.06	3859351.99	0.06569	0.07238	0.06147	0.06268	1.20E-04	6.2E-06	0.00033	6.7E-08	0.00045	1.47E-04	7.54758E-06	0.000399	3.74E-08	5.54E-04	0.000129	5.81E-06	0.00086	3.86E-08

1949	494861.06	3859351.99	0.06504	0.07176	0.06096	0.06193	1.19E-04	6.1E-06	0.00032	6.6E-08	0.00045	1.45E-04	7.48293E-06	0.000396	3.7E-08	5.49E-04	0.000128	5.76E-06	0.000853	3.82E-08
1950	494911.06	3859351.99	0.0646	0.07136	0.06061	0.06149	1.18E-04	6.1E-06	0.00032	6.6E-08	0.00045	1.44E-04	7.44122E-06	0.000394	3.67E-08	5.45E-04	0.000127	5.72E-06	0.000848	3.79E-08
1951	494961.06	3859351.99	0.06385	0.07061	0.06001	0.06059	1.16E-04	6E-06	0.00032	6.5E-08	0.00044	1.43E-04	7.36301E-06	0.00039	3.62E-08	5.40E-04	0.000126	5.66E-06	0.000839	3.74E-08
1952	495011.06	3859351.99	0.0633	0.07008	0.05957	0.06	1.15E-04	6E-06	0.00032	6.4E-08	0.00044	1.41E-04	7.30774E-06	0.000387	3.58E-08	5.36E-04	0.000125	5.62E-06	0.000833	3.7E-08
1953	495061.06	3859351.99	0.06355	0.07045	0.05977	0.06056	1.16E-04	6E-06	0.00032	6.5E-08	0.00044	1.42E-04	7.34633E-06	0.000388	3.61E-08	5.38E-04	0.000125	5.65E-06	0.000836	3.73E-08
1954	495111.06	3859351.99	0.06294	0.06985	0.05929	0.05987	1.15E-04	5.9E-06	0.00032	6.4E-08	0.00044	1.41E-04	7.28376E-06	0.000385	3.57E-08	5.33E-04	0.000124	5.6E-06	0.000829	3.69E-08
1955	495161.06	3859351.99	0.06263	0.06959	0.05905	0.05963	1.14E-04	5.9E-06	0.00031	6.4E-08	0.00043	1.40E-04	7.25665E-06	0.000384	3.56E-08	5.31E-04	0.000123	5.58E-06	0.000826	3.68E-08
1956	495211.06	3859351.99	0.06229	0.06928	0.05877	0.05932	1.14E-04	5.9E-06	0.00031	6.3E-08	0.00043	1.39E-04	7.22432E-06	0.000382	3.54E-08	5.28E-04	0.000123	5.56E-06	0.000822	3.66E-08
1957	495261.06	3859351.99	0.06215	0.06921	0.05867	0.05933	1.13E-04	5.9E-06	0.00031	6.3E-08	0.00043	1.39E-04	7.21702E-06	0.000381	3.54E-08	5.27E-04	0.000122	5.55E-06	0.000821	3.66E-08
1958	495311.06	3859351.99	0.06164	0.06871	0.05827	0.05879	1.12E-04	5.8E-06	0.00031	6.3E-08	0.00043	1.38E-04	7.16488E-06	0.000378	3.51E-08	5.23E-04	0.000121	5.51E-06	0.000815	3.62E-08
1959	495361.06	3859351.99	0.06133	0.06843	0.05803	0.05854	1.12E-04	5.8E-06	0.00031	6.2E-08	0.00043	1.37E-04	7.13569E-06	0.000377	3.49E-08	5.21E-04	0.000121	5.49E-06	0.000812	3.61E-08
1960	495411.06	3859351.99	0.06117	0.06832	0.05791	0.05849	1.12E-04	5.8E-06	0.00031	6.2E-08	0.00043	1.37E-04	7.12422E-06	0.000376	3.49E-08	5.20E-04	0.00012	5.48E-06	0.00081	3.61E-08
1961	495461.06	3859351.99	0.0611	0.06831	0.05788	0.0586	1.11E-04	5.8E-06	0.00031	6.3E-08	0.00042	1.36E-04	7.12317E-06	0.000376	3.5E-08	5.20E-04	0.00012	5.48E-06	0.00081	3.61E-08
1962	495511.06	3859351.99	0.0604	0.06758	0.05732	0.05777	1.10E-04	5.8E-06	0.0003	6.2E-08	0.00042	1.35E-04	7.04705E-06	0.000372	3.45E-08	5.14E-04	0.000119	5.42E-06	0.000802	3.56E-08
1963	495561.06	3859351.99	0.05987	0.06704	0.05691	0.0572	1.09E-04	5.7E-06	0.0003	6.1E-08	0.00042	1.34E-04	6.99074E-06	0.00037	3.41E-08	5.10E-04	0.000118	5.38E-06	0.000796	3.53E-08
1964	495611.06	3859351.99	0.05949	0.06666	0.05661	0.05684	1.08E-04	5.7E-06	0.0003	6.1E-08	0.00041	1.33E-04	6.95112E-06	0.000368	3.39E-08	5.08E-04	0.000117	5.35E-06	0.000792	3.5E-08
1965	495661.06	3859351.99	0.05877	0.0659	0.05604	0.05602	1.07E-04	5.6E-06	0.0003	6E-08	0.00041	1.31E-04	6.87187E-06	0.000364	3.34E-08	5.02E-04	0.000116	5.29E-06	0.000784	3.45E-08
1966	494311.06	3859401.99	0.07367	0.07991	0.06665	0.07517	1.34E-04	6.8E-06	0.00035	8E-08	0.0005	1.65E-04	8.33279E-06	0.000433	4.49E-08	6.06E-04	0.000145	6.41E-06	0.000932	4.63E-08
1967	494361.06	3859401.99	0.07286	0.07911	0.06618	0.07381	1.33E-04	6.7E-06	0.00035	7.9E-08	0.00049	1.63E-04	8.24937E-06	0.00043	4.41E-08	6.01E-04	0.000143	6.35E-06	0.000926	4.55E-08
1968	494411.06	3859401.99	0.072	0.07826	0.06566	0.07237	1.31E-04	6.7E-06	0.00035	7.7E-08	0.00049	1.61E-04	8.16073E-06	0.000426	4.32E-08	5.96E-04	0.000142	6.28E-06	0.000919	4.46E-08
1969	494461.06	3859401.99	0.07132	0.07758	0.06522	0.07137	1.30E-04	6.6E-06	0.00035	7.6E-08	0.00048	1.59E-04	8.08982E-06	0.000424	4.26E-08	5.91E-04	0.00014	6.22E-06	0.000912	4.4E-08
1970	494511.06	3859401.99	0.07083	0.0771	0.06488	0.07077	1.29E-04	6.6E-06	0.00034	7.5E-08	0.00048	1.58E-04	8.03977E-06	0.000421	4.22E-08	5.88E-04	0.000139	6.18E-06	0.000908	4.36E-08
1971	494561.06	3859401.99	0.07025	0.07654	0.06449	0.07001	1.28E-04	6.5E-06	0.00034	7.5E-08	0.00048	1.57E-04	7.98137E-06	0.000419	4.18E-08	5.84E-04	0.000138	6.14E-06	0.000902	4.32E-08
1972	494611.06	3859401.99	0.06956	0.07586	0.06402	0.06899	1.27E-04	6.5E-06	0.00034	7.4E-08	0.00047	1.55E-04	7.91047E-06	0.000416	4.12E-08	5.79E-04	0.000137	6.09E-06	0.000896	4.25E-08
1973	494661.06	3859401.99	0.06903	0.07536	0.06365	0.06834	1.26E-04	6.4E-06	0.00034	7.3E-08	0.00047	1.54E-04	7.85833E-06	0.000413	4.08E-08	5.76E-04	0.000136	6.05E-06	0.00089	4.21E-08
1974	494711.06	3859401.99	0.0684	0.07476	0.06321	0.06748	1.25E-04	6.4E-06	0.00034	7.2E-08	0.00047	1.53E-04	7.79576E-06	0.000411	4.03E-08	5.71E-04	0.000135	6E-06	0.000884	4.16E-08
1975	494761.06	3859401.99	0.06728	0.07371	0.06249	0.06569	1.23E-04	6.3E-06	0.00033	7E-08	0.00046	1.50E-04	7.68627E-06	0.000406	3.92E-08	5.64E-04	0.000133	5.91E-06	0.000874	4.05E-08
1976	494811.06	3859401.99	0.06638	0.07274	0.06177	0.0644	1.21E-04	6.2E-06	0.00033	6.9E-08	0.00046	1.48E-04	7.58512E-06	0.000401	3.84E-08	5.57E-04	0.000131	5.84E-06	0.000864	3.97E-08
1977	494861.06	3859401.99	0.06524	0.07158	0.06093	0.06274	1.19E-04	6.1E-06	0.00032	6.7E-08	0.00045	1.46E-04	7.46416E-06	0.000396	3.74E-08	5.49E-04	0.000128	5.74E-06	0.000852	3.87E-08
1978	494911.06	3859401.99	0.06452	0.07091	0.0604	0.06171	1.18E-04	6E-06	0.00032	6.6E-08	0.00044	1.44E-04	7.39429E-06	0.000392	3.68E-08	5.44E-04	0.000127	5.69E-06	0.000845	3.8E-08
1979	494961.06	3859401.99	0.06408	0.07046	0.06002	0.06136	1.17E-04	6E-06	0.00032	6.5E-08	0.00044	1.43E-04	7.34737E-06	0.00039	3.66E-08	5.40E-04	0.000126	5.65E-06	0.00084	3.78E-08
1980	495011.06	3859401.99	0.06377	0.0702	0.05978	0.06111	1.16E-04	6E-06	0.00032	6.5E-08	0.00044	1.42E-04	7.32026E-06	0.000388	3.65E-08	5.38E-04	0.000126	5.63E-06	0.000836	3.77E-08
1981	495061.06	3859401.99	0.06359	0.07013	0.05968	0.06098	1.16E-04	6E-06	0.00032	6.5E-08	0.00044	1.42E-04	7.31296E-06	0.000388	3.64E-08	5.37E-04	0.000125	5.63E-06	0.000835	3.76E-08
1982	495111.06	3859401.99	0.06297	0.06952	0.05918	0.0602	1.15E-04	5.9E-06	0.00031	6.4E-08	0.00044	1.41E-04	7.24935E-06	0.000384	3.59E-08	5.32E-04	0.000124	5.58E-06	0.000828	3.71E-08
1983	495161.06	3859401.99	0.06273	0.06929	0.05894	0.06015	1.14E-04	5.9E-06	0.00031	6.4E-08	0.00043	1.40E-04	7.22537E-06	0.000383	3.59E-08	5.30E-04	0.000124	5.56E-06	0.000825	3.71E-08
1984	495211.06	3859401.99	0.06261	0.06924	0.05884	0.0602	1.14E-04	5.9E-06	0.00031	6.4E-08	0.00043	1.40E-04	7.22015E-06	0.000382	3.59E-08	5.29E-04	0.000123	5.55E-06	0.000823	3.71E-08
1985	495261.06	3859401.99	0.06229	0.06896	0.05859	0.05992	1.14E-04	5.9E-06	0.00031	6.4E-08	0.00043	1.39E-04	7.19095E-06	0.000381	3.58E-08	5.27E-04	0.000123	5.53E-06	0.00082	3.69E-08
1986	495311.06	3859401.99	0.06192	0.06862	0.0583	0.05956	1.13E-04	5.8E-06	0.00031	6.4E-08	0.00043	1.38E-04	7.1555E-06	0.000379	3.55E-08	5.24E-04	0.000122	5.5E-06	0.000816	3.67E-08
1987	495361.06	3859401.99	0.06186	0.06863	0.05825	0.05969	1.13E-04	5.8E-06	0.00031	6.4E-08	0.00043	1.38E-04	7.15654E-06	0.000378	3.56E-08	5.24E-04	0.000122	5.51E-06	0.000815	3.68E-08
1988	495411.06	3859401.99	0.06161	0.06843	0.05806	0.05953	1.12E-04	5.8E-06	0.00031	6.4E-08	0.00043	1.38E-04	7.13569E-06	0.000377	3.55E-08	5.22E-04	0.000121	5.49E-06	0.000812	3.67E-08
1989	495461.06	3859401.99	0.06116	0.06801	0.05771	0.05905	1.11E-04	5.8E-06	0.00031	6.3E-08	0.00042	1.37E-04	7.09189E-06	0.000375	3.52E-08	5.19E-04	0.00012	5.46E-06	0.000807	3.64E-08
1990	495511.06	3859401.99	0.06052	0.06736	0.05721	0.05827	1.10E-04	5.7E-06	0.0003	6.2E-08	0.00042	1.35E-04	7.02411E-06	0.000372	3.48E-08	5.14E-04	0.000119	5.4E-06	0.0008	3.59E-08
1991	495561.06	3859401.99	0.05977	0.06658	0.05661	0.05733	1.09E-04	5.7E-06	0.0003	6.1E-08	0.00042	1.34E-04	6.94277E-06	0.000368	3.42E-08	5.08E-04	0.000118	5.34E-06	0.000792	3.53E-08
1992	495611.06	3859401.99	0.05934	0.06617	0.05628	0.05689	1.08E-04	5.6E-06	0.0003	6.1E-08	0.00041	1.33E-04	6.90002E-06	0.000366	3.4E-08	5.05E-04	0.000117	5.31E-06	0.000787	3.51E-08
1993	495661.06	3859401.99	0.05898	0.06582	0.056	0.05655	1.08E-04	5.6E-06	0.0003	6E-08	0.00041	1.32E-04	6.86352E-06	0.000364	3.38E-08	5.02E-04	0.000116	5.28E-06	0.000783	3.49E-08
1994	494311.06	3859451.99	0.07281	0.07879	0.06568	0.07467	1.33E-04	6.7E-06	0.00035	8E-08	0.00049	1.63E-04	8.216E-06	0.000427	4.46E-08	5.98E-04	0.000143	6.32E-06	0.000919	4.6E-08
1995	494361.06	3859451.99	0.07211	0.07809	0.06529	0.07352	1.31E-04	6.6E-06	0.00035	7.8E-08	0.00049	1.61E-04	8.143E-06	0.000424	4.39E-08	5.93E-04	0.000142	6.26E-06	0.000913	4.53E-08
1996	494411.06	3859451.99	0.07114	0.07711	0.06473	0.07174	1.30E-04	6.6E-06	0.00034	7.7E-08	0.00048	1.59E-04	8.04081E-06	0.00042	4.28E-08	5.87E-04	0.00014	6.19E-06	0.000906	4.42E-08
1997	494461.06	3859451.99	0.07073	0.0767	0.06445	0.07134	1.29E-04	6.5E-06	0.00034	7.6E-08	0.00048	1.58E-04	7.99806E-06	0.000419	4.26E-08	5.85E-04	0.000139	6.15E-06	0.000902	4.4E-08
1998	494511.06	3859451.99	0.0701	0.07606	0.06405	0.07041	1.28E-04	6.5E-06	0.00034	7.5E-08	0.00047	1.57E-04	7.93132E-06	0.000416	4.2E-08	5.81E-04	0.000138	6.1E-06	0.000896	4.34E-08
1999	494561.06	3859451.99	0.06957	0.07553	0.0637	0.0697	1.27E-04	6.4E-06	0.00034	7.4E-08	0.00047	1.55E-04	7.87605E-06	0.000414	4.16E-08	5.77E-04	0.000137	6.06E-06	0.000891	4.3E-08
2000	494611.06	3859451.99	0.06921	0.07518	0.06344	0.0694	1.26E-04	6.4E-06	0.00034	7.4E-08	0.00047	1.55E-04	7.83956E-06	0.000412	4.14E-08	5.75E-04	0.000136	6.03E-06	0.000887	4.28E-08
2001	494661.06	3859451.99	0.06853	0.0745	0.06299	0.06836	1.25E-04	6.3E-06	0.00033	7.3E-08	0.00047	1.53E-04	7.76865E-06	0.000409	4.08E-08	5.70E-04	0.000135	5.98E-06	0.000881	4.21E-08
2002	494711.06	3859451.99	0.06783	0.07382	0.06252	0.06731	1.24E-04	6.3E-06	0.00033	7.2E-08	0.00046	1.52E-04	7.69774E-06	0.000406	4.02E-08	5.65E-04	0.000134	5.92E-06	0.000875	4.15E-08
2003	494761.06	3859451.99	0.06723	0.07323	0.0621	0.06648	1.23E-04	6.2E-06	0.00033	7.1E-08	0.00046	1.50E-04	7.63622E-06	0.000403	3.97E-08	5.61E-04	0.000132	5.87E-06	0.000869	4.1E-08
2004	494811.06	3859451.99	0.06633	0.07233	0.06148	0.06508	1.21E-04	6.2E-06	0.00033	6.9E-08	0.00045	1.48E-04	7.54237E-06	0.000399	3.88E-08	5.55E-04	0.000131	5.8E-06	0.00086	4.01E-08
2005	494861.06	3859451.99	0.06556	0.07156	0.06093	0.06396	1.20E-04	6.1E-06	0.00032	6.8E-08	0.00045	1.46E-04	7.46207E-06	0.000396	3.82E-08	5.50E-04	0.000129	5.74E-06	0.000852	3.94E-08
2006	494911.06	3859451.99	0.06496	0.07098	0.06048	0.06318	1.18E-04	6E-06	0.00032	6.7E-08	0.00045	1.45E-04	7.40159E-06	0.000393	3.77E-08	5.45E-04	0.000128	5.69E-06	0.000846	3.9E-08
2007	494961.06	3859451.99	0.06459	0.07064	0.06019	0.0628	1.18E-04	6E-06	0.00032	6.7E-08	0.00044	1.44E-04	7.36614E-06	0.000391	3.75E-08	5.43E-04	0.000127	5.67E-06	0.000842	3.87E-08
2008	495011.06	3859451.99	0.06413	0.0702	0.05984	0.06227	1.17E-04	6E-06	0.00032	6.6E-08	0.00044	1.43E-04	7.32026E-06	0.000389	3.72E-08	5.39E-04	0.000126	5.63E-06	0.000837	3.84E-08
2009	495061.06	3859451.99	0.06367	0.06977	0.05949	0.06175	1.16E-04	5.9E-06	0.00032	6.6E-08	0.00044	1.42E-04	7.27542E-06	0.000386	3.69E-08	5.36E-04	0.000125	5.6E-06	0.000832	3.81E-08

2010	495111.06	3859451.99	0.0632	0.06933	0.05912	0.0612	1.15E-04	5.9E-06	0.00031	6.5E-08	0.00044	1.41E-04	7.22954E-06	0.000384	3.65E-08	5.32E-04	0.000124	5.56E-06	0.000827	3.77E-08
2011	495161.06	3859451.99	0.06296	0.06914	0.05892	0.06105	1.15E-04	5.9E-06	0.00031	6.5E-08	0.00043	1.41E-04	7.20972E-06	0.000383	3.64E-08	5.31E-04	0.000124	5.55E-06	0.000824	3.76E-08
2012	495211.06	3859451.99	0.06279	0.06903	0.05878	0.06103	1.14E-04	5.9E-06	0.00031	6.5E-08	0.00043	1.40E-04	7.19825E-06	0.000382	3.64E-08	5.29E-04	0.000124	5.54E-06	0.000822	3.76E-08
2013	495261.06	3859451.99	0.0626	0.06889	0.05862	0.06095	1.14E-04	5.9E-06	0.00031	6.5E-08	0.00043	1.40E-04	7.18365E-06	0.000381	3.64E-08	5.28E-04	0.000123	5.53E-06	0.00082	3.76E-08
2014	495311.06	3859451.99	0.06222	0.06855	0.05832	0.06057	1.13E-04	5.8E-06	0.00031	6.5E-08	0.00043	1.39E-04	7.1482E-06	0.000379	3.62E-08	5.25E-04	0.000123	5.5E-06	0.000816	3.73E-08
2015	495361.06	3859451.99	0.06192	0.0683	0.05808	0.06031	1.13E-04	5.8E-06	0.00031	6.4E-08	0.00043	1.38E-04	7.12213E-06	0.000377	3.6E-08	5.23E-04	0.000122	5.48E-06	0.000812	3.72E-08
2016	495411.06	3859451.99	0.06153	0.06794	0.05778	0.05989	1.12E-04	5.8E-06	0.00031	6.4E-08	0.00042	1.37E-04	7.08459E-06	0.000375	3.57E-08	5.20E-04	0.000121	5.45E-06	0.000808	3.69E-08
2017	495461.06	3859451.99	0.06122	0.06767	0.05753	0.0596	1.12E-04	5.8E-06	0.00031	6.4E-08	0.00042	1.37E-04	7.05644E-06	0.000374	3.56E-08	5.18E-04	0.000121	5.43E-06	0.000805	3.67E-08
2018	495511.06	3859451.99	0.06051	0.06697	0.05699	0.05866	1.10E-04	5.7E-06	0.0003	6.3E-08	0.00042	1.35E-04	6.98344E-06	0.00037	3.5E-08	5.12E-04	0.000119	5.37E-06	0.000797	3.62E-08
2019	495561.06	3859451.99	0.06006	0.06653	0.05664	0.05815	1.09E-04	5.7E-06	0.0003	6.2E-08	0.00042	1.34E-04	6.93756E-06	0.000368	3.47E-08	5.09E-04	0.000118	5.34E-06	0.000792	3.59E-08
2020	495611.06	3859451.99	0.05961	0.06611	0.05629	0.05765	1.09E-04	5.6E-06	0.0003	6.1E-08	0.00041	1.33E-04	6.89376E-06	0.000366	3.44E-08	5.06E-04	0.000117	5.3E-06	0.000787	3.55E-08
2021	495661.06	3859451.99	0.0592	0.06572	0.05597	0.05721	1.08E-04	5.6E-06	0.0003	6.1E-08	0.00041	1.32E-04	6.8531E-06	0.000364	3.41E-08	5.03E-04	0.000117	5.27E-06	0.000783	3.53E-08
2022	494311.06	3859501.99	0.07203	0.07781	0.06474	0.07443	1.31E-04	6.6E-06	0.00034	7.9E-08	0.00048	1.61E-04	8.11381E-06	0.000421	4.44E-08	5.90E-04	0.000142	6.24E-06	0.000906	4.59E-08
2023	494361.06	3859501.99	0.07138	0.07714	0.06438	0.07331	1.30E-04	6.6E-06	0.00034	7.8E-08	0.00048	1.59E-04	8.04394E-06	0.000418	4.38E-08	5.86E-04	0.000141	6.19E-06	0.000901	4.52E-08
2024	494411.06	3859501.99	0.07028	0.07606	0.06382	0.07113	1.28E-04	6.5E-06	0.00034	7.6E-08	0.00047	1.57E-04	7.93132E-06	0.000415	4.25E-08	5.79E-04	0.000138	6.1E-06	0.000893	4.39E-08
2025	494461.06	3859501.99	0.07015	0.07588	0.06367	0.07138	1.28E-04	6.5E-06	0.00034	7.6E-08	0.00047	1.57E-04	7.91255E-06	0.000414	4.26E-08	5.78E-04	0.000138	6.09E-06	0.000891	4.4E-08
2026	494511.06	3859501.99	0.06949	0.07522	0.06327	0.07033	1.27E-04	6.4E-06	0.00034	7.5E-08	0.00047	1.55E-04	7.84373E-06	0.000411	4.2E-08	5.74E-04	0.000137	6.03E-06	0.000885	4.34E-08
2027	494561.06	3859501.99	0.06891	0.07462	0.06291	0.06948	1.26E-04	6.3E-06	0.00033	7.4E-08	0.00047	1.54E-04	7.78116E-06	0.000409	4.15E-08	5.70E-04	0.000136	5.99E-06	0.00088	4.28E-08
2028	494611.06	3859501.99	0.06882	0.07451	0.06279	0.0698	1.25E-04	6.3E-06	0.00033	7.4E-08	0.00047	1.54E-04	7.76969E-06	0.000408	4.17E-08	5.69E-04	0.000136	5.98E-06	0.000878	4.3E-08
2029	494661.06	3859501.99	0.06809	0.07379	0.06234	0.06859	1.24E-04	6.3E-06	0.00033	7.3E-08	0.00046	1.52E-04	7.69461E-06	0.000405	4.09E-08	5.65E-04	0.000134	5.92E-06	0.000872	4.23E-08
2030	494711.06	3859501.99	0.06722	0.07291	0.0618	0.06709	1.23E-04	6.2E-06	0.00033	7.2E-08	0.00046	1.50E-04	7.60285E-06	0.000401	4E-08	5.59E-04	0.000132	5.85E-06	0.000865	4.14E-08
2031	494761.06	3859501.99	0.06698	0.07268	0.06161	0.06701	1.22E-04	6.2E-06	0.00033	7.1E-08	0.00046	1.50E-04	7.57886E-06	0.0004	4E-08	5.57E-04	0.000132	5.83E-06	0.000862	4.13E-08
2032	494811.06	3859501.99	0.06586	0.07155	0.06088	0.06504	1.20E-04	6.1E-06	0.00032	6.9E-08	0.00045	1.47E-04	7.46103E-06	0.000395	3.88E-08	5.50E-04	0.00013	5.74E-06	0.000852	4.01E-08
2033	494861.06	3859501.99	0.06535	0.07105	0.06052	0.0644	1.19E-04	6E-06	0.00032	6.9E-08	0.00045	1.46E-04	7.40889E-06	0.000393	3.84E-08	5.47E-04	0.000129	5.7E-06	0.000847	3.97E-08
2034	494911.06	3859501.99	0.06502	0.07073	0.06027	0.06409	1.19E-04	6E-06	0.00032	6.8E-08	0.00044	1.45E-04	7.37552E-06	0.000391	3.83E-08	5.44E-04	0.000128	5.67E-06	0.000843	3.95E-08
2035	494961.06	3859501.99	0.06439	0.07011	0.05982	0.06321	1.17E-04	6E-06	0.00032	6.7E-08	0.00044	1.44E-04	7.31087E-06	0.000389	3.77E-08	5.40E-04	0.000127	5.62E-06	0.000837	3.9E-08
2036	495011.06	3859501.99	0.06408	0.06982	0.05957	0.06293	1.17E-04	5.9E-06	0.00032	6.7E-08	0.00044	1.43E-04	7.28063E-06	0.000387	3.76E-08	5.37E-04	0.000126	5.6E-06	0.000833	3.88E-08
2037	495061.06	3859501.99	0.06378	0.06955	0.05933	0.06267	1.16E-04	5.9E-06	0.00032	6.7E-08	0.00044	1.42E-04	7.25248E-06	0.000385	3.74E-08	5.35E-04	0.000126	5.58E-06	0.00083	3.86E-08
2038	495111.06	3859501.99	0.06318	0.06896	0.05889	0.06184	1.15E-04	5.9E-06	0.00031	6.6E-08	0.00043	1.41E-04	7.19095E-06	0.000383	3.69E-08	5.31E-04	0.000124	5.53E-06	0.000824	3.81E-08
2039	495161.06	3859501.99	0.0629	0.06872	0.05866	0.06162	1.15E-04	5.8E-06	0.00031	6.6E-08	0.00043	1.41E-04	7.16593E-06	0.000381	3.68E-08	5.29E-04	0.000124	5.51E-06	0.000821	3.8E-08
2040	495211.06	3859501.99	0.06275	0.06861	0.05853	0.06164	1.14E-04	5.8E-06	0.00031	6.6E-08	0.00043	1.40E-04	7.15446E-06	0.00038	3.68E-08	5.28E-04	0.000124	5.5E-06	0.000819	3.8E-08
2041	495261.06	3859501.99	0.06247	0.06837	0.0583	0.0614	1.14E-04	5.8E-06	0.00031	6.5E-08	0.00043	1.40E-04	7.12943E-06	0.000379	3.66E-08	5.25E-04	0.000123	5.48E-06	0.000816	3.79E-08
2042	495311.06	3859501.99	0.06224	0.06818	0.05811	0.06127	1.13E-04	5.8E-06	0.00031	6.5E-08	0.00043	1.39E-04	7.10962E-06	0.000377	3.66E-08	5.24E-04	0.000123	5.47E-06	0.000813	3.78E-08
2043	495361.06	3859501.99	0.06191	0.06788	0.05784	0.06093	1.13E-04	5.8E-06	0.00031	6.5E-08	0.00043	1.38E-04	7.07833E-06	0.000376	3.64E-08	5.21E-04	0.000122	5.45E-06	0.000809	3.76E-08
2044	495411.06	3859501.99	0.06159	0.06761	0.0576	0.06063	1.12E-04	5.8E-06	0.00031	6.5E-08	0.00042	1.38E-04	7.05018E-06	0.000374	3.62E-08	5.19E-04	0.000121	5.42E-06	0.000806	3.74E-08
2045	495461.06	3859501.99	0.06121	0.06726	0.0573	0.0602	1.12E-04	5.7E-06	0.0003	6.4E-08	0.00042	1.37E-04	7.01368E-06	0.000372	3.59E-08	5.16E-04	0.000121	5.4E-06	0.000802	3.71E-08
2046	495511.06	3859501.99	0.06042	0.06652	0.05675	0.05898	1.10E-04	5.7E-06	0.0003	6.3E-08	0.00042	1.35E-04	6.93652E-06	0.000369	3.52E-08	5.11E-04	0.000119	5.34E-06	0.000794	3.64E-08
2047	495561.06	3859501.99	0.0602	0.06631	0.05653	0.05891	1.10E-04	5.6E-06	0.0003	6.3E-08	0.00042	1.34E-04	6.91462E-06	0.000367	3.52E-08	5.09E-04	0.000119	5.32E-06	0.000791	3.63E-08
2048	495611.06	3859501.99	0.05975	0.06587	0.05618	0.05836	1.09E-04	5.6E-06	0.0003	6.2E-08	0.00041	1.33E-04	6.86874E-06	0.000365	3.48E-08	5.05E-04	0.000118	5.28E-06	0.000786	3.6E-08
2049	495661.06	3859501.99	0.05923	0.06538	0.05579	0.05771	1.08E-04	5.6E-06	0.0003	6.2E-08	0.00041	1.32E-04	6.81764E-06	0.000362	3.44E-08	5.02E-04	0.000117	5.24E-06	0.00078	3.56E-08
2050	494311.06	3859551.99	0.07118	0.07677	0.06374	0.07402	1.30E-04	6.5E-06	0.00034	7.9E-08	0.00048	1.59E-04	8.00536E-06	0.000414	4.42E-08	5.81E-04	0.00014	6.16E-06	0.000892	4.56E-08
2051	494361.06	3859551.99	0.07047	0.07611	0.06341	0.0727	1.28E-04	6.5E-06	0.00034	7.8E-08	0.00047	1.57E-04	7.93654E-06	0.000412	4.34E-08	5.77E-04	0.000139	6.11E-06	0.000887	4.48E-08
2052	494411.06	3859551.99	0.06944	0.07509	0.06291	0.0705	1.27E-04	6.4E-06	0.00033	7.5E-08	0.00047	1.55E-04	7.83017E-06	0.000409	4.21E-08	5.72E-04	0.000137	6.02E-06	0.00088	4.35E-08
2053	494461.06	3859551.99	0.06941	0.07497	0.06279	0.07111	1.27E-04	6.4E-06	0.00033	7.6E-08	0.00047	1.55E-04	7.81766E-06	0.000408	4.24E-08	5.71E-04	0.000137	6.01E-06	0.000878	4.38E-08
2054	494511.06	3859551.99	0.06881	0.07435	0.06244	0.07014	1.25E-04	6.3E-06	0.00033	7.5E-08	0.00046	1.54E-04	7.75301E-06	0.000406	4.19E-08	5.67E-04	0.000136	5.96E-06	0.000873	4.32E-08
2055	494561.06	3859551.99	0.06832	0.07384	0.06214	0.06947	1.25E-04	6.3E-06	0.00033	7.4E-08	0.00046	1.53E-04	7.69983E-06	0.000404	4.15E-08	5.64E-04	0.000135	5.92E-06	0.000869	4.28E-08
2056	494611.06	3859551.99	0.068	0.07349	0.0619	0.06923	1.24E-04	6.3E-06	0.00033	7.4E-08	0.00046	1.52E-04	7.66333E-06	0.000402	4.13E-08	5.62E-04	0.000134	5.9E-06	0.000866	4.27E-08
2057	494661.06	3859551.99	0.06757	0.07304	0.06162	0.0687	1.23E-04	6.2E-06	0.00033	7.3E-08	0.00046	1.51E-04	7.6164E-06	0.0004	4.1E-08	5.59E-04	0.000133	5.86E-06	0.000862	4.24E-08
2058	494711.06	3859551.99	0.06639	0.07186	0.06095	0.0664	1.21E-04	6.1E-06	0.00032	7.1E-08	0.00045	1.48E-04	7.49336E-06	0.000396	3.96E-08	5.52E-04	0.000131	5.76E-06	0.000853	4.09E-08
2059	494761.06	3859551.99	0.0665	0.07195	0.06094	0.06711	1.21E-04	6.1E-06	0.00032	7.2E-08	0.00045	1.49E-04	7.50274E-06	0.000396	4.01E-08	5.52E-04	0.000131	5.77E-06	0.000852	4.14E-08
2060	494811.06	3859551.99	0.0656	0.07105	0.06039	0.06553	1.20E-04	6E-06	0.00032	7E-08	0.00045	1.47E-04	7.40889E-06	0.000392	3.91E-08	5.46E-04	0.000129	5.7E-06	0.000845	4.04E-08
2061	494861.06	3859551.99	0.06515	0.0706	0.06008	0.06496	1.19E-04	6E-06	0.00032	6.9E-08	0.00044	1.46E-04	7.36197E-06	0.00039	3.88E-08	5.43E-04	0.000128	5.66E-06	0.00084	4.01E-08
2062	494911.06	3859551.99	0.06461	0.07005	0.05971	0.0642	1.18E-04	6E-06	0.00032	6.8E-08	0.00044	1.44E-04	7.30462E-06	0.000388	3.83E-08	5.39E-04	0.000127	5.62E-06	0.000835	3.96E-08
2063	494961.06	3859551.99	0.0643	0.06975	0.05947	0.06394	1.17E-04	5.9E-06	0.00032	6.8E-08	0.00044	1.44E-04	7.27333E-06	0.000386	3.82E-08	5.37E-04	0.000127	5.6E-06	0.000832	3.94E-08
2064	495011.06	3859551.99	0.06406	0.06952	0.05927	0.0638	1.17E-04	5.9E-06	0.00031	6.8E-08	0.00044	1.43E-04	7.24935E-06	0.000385	3.81E-08	5.35E-04	0.000126	5.58E-06	0.000829	3.93E-08
2065	495061.06	3859551.99	0.06365	0.06911	0.05897	0.06329	1.16E-04	5.9E-06	0.00031	6.8E-08	0.00044	1.42E-04	7.2066E-06	0.000383	3.78E-08	5.32E-04	0.000125	5.54E-06	0.000825	3.9E-08
2066	495111.06	3859551.99	0.06312	0.0686	0.0586	0.06257	1.15E-04	5.8E-06	0.00031	6.7E-08	0.00043	1.41E-04	7.15341E-06	0.000381	3.73E-08	5.29E-04	0.000124	5.5E-06	0.00082	3.86E-08
2067	495161.06	3859551.99	0.0629	0.06839	0.05841	0.06245	1.15E-04	5.8E-06	0.00031	6.7E-08	0.00043	1.41E-04	7.13152E-06	0.000379	3.73E-08	5.27E-04	0.000124	5.49E-06	0.000817	3.85E-08
2068	495211.06	3859551.99	0.06274	0.06827	0.05826	0.06247	1.14E-04	5.8E-06	0.00031	6.7E-08	0.00043	1.40E-04	7.119E-06	0.000378	3.73E-08	5.26E-04	0.000124	5.48E-06	0.000815	3.85E-08
2069	495261.06	3859551.99	0.06232	0.06786	0.05794	0.06193	1.14E-04	5.8E-06	0.00031	6.6E-08	0.00043	1.39E-04	7.07625E-06	0.000376	3.7E-08	5.23E-04	0.000123	5.44E-06	0.000811	3.82E-08
2070	495311.06	3859551.99	0.06198	0.06755	0.05768	0.06156	1.13E-04	5.7E-06	0.00031	6.6E-08	0.00043	1.38E-04	7.04392E-06	0.000375	3.67E-08	5.20E-04	0.000122	5.42E-06	0.000807	3.8E-08

2071	495361.06	3859551.99	0.0617	0.0673	0.05745	0.06131	1.12E-04	5.7E-06	0.00031	6.5E-08	0.00042	1.38E-04	7.01785E-06	0.000373	3.66E-08	5.18E-04	0.000122	5.4E-06	0.000804	3.78E-08
2072	495411.06	3859551.99	0.06148	0.06711	0.05726	0.06119	1.12E-04	5.7E-06	0.0003	6.5E-08	0.00042	1.37E-04	6.99804E-06	0.000372	3.65E-08	5.16E-04	0.000121	5.38E-06	0.000801	3.77E-08
2073	495461.06	3859551.99	0.06094	0.0666	0.05687	0.06042	1.11E-04	5.7E-06	0.0003	6.4E-08	0.00042	1.36E-04	6.94486E-06	0.000369	3.61E-08	5.12E-04	0.00012	5.34E-06	0.000796	3.73E-08
2074	495511.06	3859551.99	0.06037	0.06606	0.05645	0.05961	1.10E-04	5.6E-06	0.0003	6.4E-08	0.00042	1.35E-04	6.88855E-06	0.000367	3.56E-08	5.08E-04	0.000119	5.3E-06	0.00079	3.68E-08
2075	495561.06	3859551.99	0.06002	0.06573	0.05618	0.05922	1.09E-04	5.6E-06	0.0003	6.3E-08	0.00041	1.34E-04	6.85414E-06	0.000365	3.53E-08	5.06E-04	0.000118	5.27E-06	0.000786	3.65E-08
2076	495611.06	3859551.99	0.05965	0.0654	0.05589	0.05879	1.09E-04	5.6E-06	0.0003	6.3E-08	0.00041	1.33E-04	6.81973E-06	0.000363	3.51E-08	5.03E-04	0.000117	5.25E-06	0.000782	3.62E-08
2077	495661.06	3859551.99	0.05919	0.06496	0.05554	0.0582	1.08E-04	5.5E-06	0.0003	6.2E-08	0.00041	1.32E-04	6.77385E-06	0.000361	3.47E-08	5.00E-04	0.000117	5.21E-06	0.000777	3.59E-08
2078	494311.06	3859601.99	0.07036	0.07578	0.06274	0.07382	1.28E-04	6.4E-06	0.00033	7.9E-08	0.00047	1.57E-04	7.90212E-06	0.000408	4.41E-08	5.73E-04	0.000139	6.08E-06	0.000878	4.55E-08
2079	494361.06	3859601.99	0.06941	0.07489	0.06237	0.07157	1.27E-04	6.4E-06	0.00033	7.6E-08	0.00046	1.55E-04	7.80932E-06	0.000405	4.27E-08	5.68E-04	0.000137	6.01E-06	0.000872	4.41E-08
2080	494411.06	3859601.99	0.06875	0.07421	0.06203	0.07041	1.25E-04	6.3E-06	0.00033	7.5E-08	0.00046	1.54E-04	7.73841E-06	0.000403	4.2E-08	5.64E-04	0.000135	5.95E-06	0.000868	4.34E-08
2081	494461.06	3859601.99	0.06867	0.07407	0.06189	0.07086	1.25E-04	6.3E-06	0.00033	7.6E-08	0.00046	1.53E-04	7.72381E-06	0.000402	4.23E-08	5.63E-04	0.000135	5.94E-06	0.000866	4.37E-08
2082	494511.06	3859601.99	0.06793	0.07333	0.06151	0.06946	1.24E-04	6.2E-06	0.00033	7.4E-08	0.00046	1.52E-04	7.64665E-06	0.0004	4.15E-08	5.59E-04	0.000134	5.88E-06	0.00086	4.28E-08
2083	494561.06	3859601.99	0.06777	0.07313	0.06135	0.06965	1.24E-04	6.2E-06	0.00033	7.4E-08	0.00046	1.51E-04	7.62579E-06	0.000398	4.16E-08	5.58E-04	0.000133	5.87E-06	0.000858	4.29E-08
2084	494611.06	3859601.99	0.06748	0.07281	0.06113	0.06949	1.23E-04	6.2E-06	0.00032	7.4E-08	0.00045	1.51E-04	7.59242E-06	0.000397	4.15E-08	5.55E-04	0.000133	5.84E-06	0.000855	4.28E-08
2085	494661.06	3859601.99	0.06668	0.07204	0.06072	0.06788	1.22E-04	6.1E-06	0.00032	7.2E-08	0.00045	1.49E-04	7.51213E-06	0.000394	4.05E-08	5.51E-04	0.000131	5.78E-06	0.000849	4.19E-08
2086	494711.06	3859601.99	0.06589	0.0712	0.06027	0.06649	1.20E-04	6.1E-06	0.00032	7.1E-08	0.00045	1.47E-04	7.42453E-06	0.000391	3.97E-08	5.46E-04	0.00013	5.71E-06	0.000843	4.1E-08
2087	494761.06	3859601.99	0.06613	0.0714	0.06029	0.06762	1.21E-04	6.1E-06	0.00032	7.2E-08	0.00045	1.48E-04	7.44539E-06	0.000392	4.04E-08	5.47E-04	0.00013	5.73E-06	0.000843	4.17E-08
2088	494811.06	3859601.99	0.0653	0.07055	0.05982	0.06603	1.19E-04	6E-06	0.00032	7E-08	0.00044	1.46E-04	7.35675E-06	0.000389	3.94E-08	5.42E-04	0.000129	5.66E-06	0.000837	4.07E-08
2089	494861.06	3859601.99	0.06491	0.07015	0.05956	0.06559	1.18E-04	6E-06	0.00032	7E-08	0.00044	1.45E-04	7.31504E-06	0.000387	3.91E-08	5.39E-04	0.000128	5.63E-06	0.000833	4.04E-08
2090	494911.06	3859601.99	0.06424	0.06948	0.05914	0.06447	1.17E-04	5.9E-06	0.00031	6.9E-08	0.00044	1.43E-04	7.24518E-06	0.000384	3.85E-08	5.35E-04	0.000127	5.57E-06	0.000827	3.98E-08
2091	494961.06	3859601.99	0.06424	0.06946	0.05908	0.06492	1.17E-04	5.9E-06	0.00031	6.9E-08	0.00044	1.43E-04	7.24309E-06	0.000384	3.87E-08	5.35E-04	0.000127	5.57E-06	0.000826	4E-08
2092	495011.06	3859601.99	0.06354	0.06875	0.05863	0.06371	1.16E-04	5.9E-06	0.00031	6.8E-08	0.00043	1.42E-04	7.16906E-06	0.000381	3.8E-08	5.30E-04	0.000125	5.51E-06	0.00082	3.93E-08
2093	495061.06	3859601.99	0.0634	0.06861	0.05849	0.0638	1.16E-04	5.8E-06	0.00031	6.8E-08	0.00043	1.42E-04	7.15446E-06	0.00038	3.81E-08	5.29E-04	0.000125	5.5E-06	0.000818	3.93E-08
2094	495111.06	3859601.99	0.06287	0.06808	0.05813	0.06302	1.15E-04	5.8E-06	0.00031	6.7E-08	0.00043	1.40E-04	7.09919E-06	0.000378	3.76E-08	5.25E-04	0.000124	5.46E-06	0.000813	3.89E-08
2095	495161.06	3859601.99	0.06267	0.06788	0.05796	0.06295	1.14E-04	5.8E-06	0.00031	6.7E-08	0.00043	1.40E-04	7.07833E-06	0.000376	3.76E-08	5.24E-04	0.000123	5.45E-06	0.000811	3.88E-08
2096	495211.06	3859601.99	0.06235	0.06758	0.05771	0.06262	1.14E-04	5.8E-06	0.00031	6.7E-08	0.00043	1.39E-04	7.04705E-06	0.000375	3.74E-08	5.21E-04	0.000123	5.42E-06	0.000807	3.86E-08
2097	495261.06	3859601.99	0.06209	0.06733	0.05751	0.06243	1.13E-04	5.7E-06	0.00031	6.7E-08	0.00042	1.39E-04	7.02098E-06	0.000374	3.73E-08	5.19E-04	0.000122	5.4E-06	0.000805	3.85E-08
2098	495311.06	3859601.99	0.06186	0.06712	0.05731	0.06229	1.13E-04	5.7E-06	0.0003	6.6E-08	0.00042	1.38E-04	6.99908E-06	0.000372	3.72E-08	5.17E-04	0.000122	5.38E-06	0.000802	3.84E-08
2099	495361.06	3859601.99	0.06151	0.06679	0.05705	0.06188	1.12E-04	5.7E-06	0.0003	6.6E-08	0.00042	1.37E-04	6.96467E-06	0.000371	3.69E-08	5.15E-04	0.000121	5.36E-06	0.000798	3.82E-08
2100	495411.06	3859601.99	0.06127	0.06657	0.05685	0.0617	1.12E-04	5.7E-06	0.0003	6.6E-08	0.00042	1.37E-04	6.94173E-06	0.000369	3.68E-08	5.13E-04	0.000121	5.34E-06	0.000795	3.8E-08
2101	495461.06	3859601.99	0.06066	0.06598	0.05643	0.06071	1.11E-04	5.6E-06	0.0003	6.5E-08	0.00042	1.35E-04	6.88021E-06	0.000367	3.62E-08	5.09E-04	0.000119	5.29E-06	0.000789	3.74E-08
2102	495511.06	3859601.99	0.0601	0.06544	0.05603	0.05986	1.10E-04	5.6E-06	0.0003	6.4E-08	0.00041	1.34E-04	6.8239E-06	0.000364	3.57E-08	5.05E-04	0.000118	5.25E-06	0.000784	3.69E-08
2103	495561.06	3859601.99	0.05995	0.06532	0.05589	0.05987	1.09E-04	5.6E-06	0.0003	6.4E-08	0.00041	1.34E-04	6.81138E-06	0.000363	3.57E-08	5.04E-04	0.000118	5.24E-06	0.000782	3.69E-08
2104	495611.06	3859601.99	0.05931	0.06469	0.05543	0.05885	1.08E-04	5.5E-06	0.00029	6.3E-08	0.00041	1.32E-04	6.74569E-06	0.00036	3.51E-08	4.99E-04	0.000117	5.19E-06	0.000775	3.63E-08
2105	495661.06	3859601.99	0.05906	0.06448	0.05522	0.05866	1.08E-04	5.5E-06	0.00029	6.3E-08	0.00041	1.32E-04	6.72379E-06	0.000359	3.5E-08	4.97E-04	0.000116	5.17E-06	0.000772	3.62E-08
2106	494311.06	3859651.99	0.0693	0.07457	0.06168	0.07287	1.26E-04	6.3E-06	0.00033	7.8E-08	0.00046	1.55E-04	7.77595E-06	0.000401	4.35E-08	5.63E-04	0.000136	5.98E-06	0.000863	4.49E-08
2107	494361.06	3859651.99	0.06847	0.07379	0.06138	0.07091	1.25E-04	6.3E-06	0.00033	7.6E-08	0.00046	1.53E-04	7.69461E-06	0.000399	4.23E-08	5.59E-04	0.000135	5.92E-06	0.000859	4.37E-08
2108	494411.06	3859651.99	0.06805	0.07335	0.06113	0.07034	1.24E-04	6.2E-06	0.00032	7.5E-08	0.00046	1.52E-04	7.64873E-06	0.000397	4.2E-08	5.57E-04	0.000134	5.88E-06	0.000855	4.34E-08
2109	494461.06	3859651.99	0.06792	0.07317	0.06096	0.07069	1.24E-04	6.2E-06	0.00032	7.5E-08	0.00045	1.52E-04	7.62996E-06	0.000396	4.22E-08	5.55E-04	0.000134	5.87E-06	0.000853	4.36E-08
2110	494511.06	3859651.99	0.06747	0.0727	0.06071	0.07002	1.23E-04	6.2E-06	0.00032	7.5E-08	0.00045	1.51E-04	7.58095E-06	0.000394	4.18E-08	5.53E-04	0.000133	5.83E-06	0.000849	4.32E-08
2111	494561.06	3859651.99	0.06714	0.07234	0.06048	0.06972	1.22E-04	6.2E-06	0.00032	7.4E-08	0.00045	1.50E-04	7.54341E-06	0.000393	4.16E-08	5.50E-04	0.000132	5.8E-06	0.000846	4.3E-08
2112	494611.06	3859651.99	0.06678	0.07196	0.06026	0.06935	1.22E-04	6.1E-06	0.00032	7.4E-08	0.00045	1.49E-04	7.50379E-06	0.000391	4.14E-08	5.48E-04	0.000132	5.77E-06	0.000843	4.28E-08
2113	494661.06	3859651.99	0.06595	0.07118	0.05988	0.06759	1.20E-04	6.1E-06	0.00032	7.2E-08	0.00044	1.47E-04	7.42245E-06	0.000389	4.03E-08	5.44E-04	0.00013	5.71E-06	0.000838	4.17E-08
2114	494711.06	3859651.99	0.06563	0.07082	0.05966	0.06729	1.20E-04	6E-06	0.00032	7.2E-08	0.00044	1.47E-04	7.38491E-06	0.000388	4.02E-08	5.42E-04	0.000129	5.68E-06	0.000835	4.15E-08
2115	494761.06	3859651.99	0.06538	0.0705	0.05945	0.06719	1.19E-04	6E-06	0.00032	7.2E-08	0.00044	1.46E-04	7.35154E-06	0.000386	4.01E-08	5.40E-04	0.000129	5.66E-06	0.000832	4.14E-08
2116	494811.06	3859651.99	0.06483	0.06994	0.05913	0.06628	1.18E-04	6E-06	0.00031	7.1E-08	0.00044	1.45E-04	7.29315E-06	0.000384	3.96E-08	5.36E-04	0.000128	5.61E-06	0.000827	4.09E-08
2117	494861.06	3859651.99	0.06452	0.0696	0.05891	0.066	1.18E-04	5.9E-06	0.00031	7E-08	0.00044	1.44E-04	7.25769E-06	0.000383	3.94E-08	5.34E-04	0.000127	5.58E-06	0.000824	4.07E-08
2118	494911.06	3859651.99	0.0641	0.06915	0.05864	0.06541	1.17E-04	5.9E-06	0.00031	7E-08	0.00043	1.43E-04	7.21077E-06	0.000381	3.9E-08	5.31E-04	0.000126	5.55E-06	0.00082	4.03E-08
2119	494961.06	3859651.99	0.06376	0.0688	0.05841	0.06505	1.16E-04	5.9E-06	0.00031	6.9E-08	0.00043	1.42E-04	7.17427E-06	0.000379	3.88E-08	5.29E-04	0.000126	5.52E-06	0.000817	4.01E-08
2120	495011.06	3859651.99	0.06337	0.06839	0.05815	0.06455	1.16E-04	5.8E-06	0.00031	6.9E-08	0.00043	1.42E-04	7.13152E-06	0.000378	3.85E-08	5.26E-04	0.000125	5.49E-06	0.000813	3.98E-08
2121	495061.06	3859651.99	0.0631	0.06811	0.05794	0.06436	1.15E-04	5.8E-06	0.00031	6.9E-08	0.00043	1.41E-04	7.10232E-06	0.000376	3.84E-08	5.24E-04	0.000124	5.46E-06	0.000811	3.97E-08
2122	495111.06	3859651.99	0.06268	0.06768	0.05766	0.06375	1.14E-04	5.8E-06	0.00031	6.8E-08	0.00043	1.40E-04	7.05748E-06	0.000375	3.8E-08	5.22E-04	0.000123	5.43E-06	0.000807	3.93E-08
2123	495161.06	3859651.99	0.06236	0.06735	0.05742	0.06341	1.14E-04	5.7E-06	0.00031	6.8E-08	0.00042	1.39E-04	7.02307E-06	0.000373	3.78E-08	5.19E-04	0.000123	5.4E-06	0.000803	3.91E-08
2124	495211.06	3859651.99	0.0621	0.06709	0.05722	0.06322	1.13E-04	5.7E-06	0.0003	6.7E-08	0.00042	1.39E-04	6.99596E-06	0.000372	3.77E-08	5.17E-04	0.000122	5.38E-06	0.0008	3.9E-08
2125	495261.06	3859651.99	0.06177	0.06676	0.05698	0.06283	1.13E-04	5.7E-06	0.0003	6.7E-08	0.00042	1.38E-04	6.96154E-06	0.00037	3.75E-08	5.15E-04	0.000122	5.36E-06	0.000797	3.87E-08
2126	495311.06	3859651.99	0.06148	0.06648	0.05676	0.06255	1.12E-04	5.7E-06	0.0003	6.7E-08	0.00042	1.37E-04	6.93235E-06	0.000369	3.73E-08	5.13E-04	0.000121	5.33E-06	0.000794	3.86E-08
2127	495361.06	3859651.99	0.06122	0.06622	0.05655	0.06233	1.12E-04	5.6E-06	0.0003	6.6E-08	0.00042	1.37E-04	6.90523E-06	0.000367	3.72E-08	5.11E-04	0.000121	5.31E-06	0.000791	3.84E-08
2128	495411.06	3859651.99	0.06089	0.0659	0.0563	0.06194	1.11E-04	5.6E-06	0.0003	6.6E-08	0.00042	1.36E-04	6.87187E-06	0.000366	3.7E-08	5.09E-04	0.00012	5.29E-06	0.000788	3.82E-08
2129	495461.06	3859651.99	0.06034	0.06537	0.05594	0.06103	1.10E-04	5.6E-06	0.0003	6.5E-08	0.00041	1.35E-04	6.8166E-06	0.000363	3.64E-08	5.05E-04	0.000119	5.24E-06	0.000783	3.76E-08
2130	495511.06	3859651.99	0.05986	0.0649	0.0556	0.06028	1.09E-04	5.5E-06	0.0003	6.4E-08	0.00041	1.34E-04	6.76759E-06	0.000361	3.6E-08	5.02E-04	0.000118	5.21E-06	0.000778	3.72E-08
2131	495561.06	3859651.99	0.05959	0.06465	0.05539	0.06004	1.09E-04	5.5E-06	0.00029	6.4E-08	0.00041	1.33E-04	6.74152E-06	0.00036	3.58E-08	5.00E-04	0.000117	5.19E-06	0.000775	3.7E-08

2132	495611.06	3859651.99	0.05922	0.0643	0.05511	0.05956	1.08E-04	5.5E-06	0.00029	6.4E-08	0.00041	1.32E-04	6.70502E-06	0.000358	3.55E-08	4.97E-04	0.000117	5.16E-06	0.000771	3.67E-08
2133	495661.06	3859651.99	0.05881	0.06391	0.05481	0.05898	1.07E-04	5.4E-06	0.00029	6.3E-08	0.0004	1.31E-04	6.66435E-06	0.000356	3.52E-08	4.94E-04	0.000116	5.13E-06	0.000767	3.64E-08
2134	494311.06	3859701.99	0.06789	0.07309	0.06063	0.07068	1.24E-04	6.2E-06	0.00032	7.5E-08	0.00045	1.52E-04	7.62162E-06	0.000394	4.22E-08	5.53E-04	0.000134	5.86E-06	0.000848	4.36E-08
2135	494361.06	3859701.99	0.06744	0.07262	0.06038	0.06996	1.23E-04	6.2E-06	0.00032	7.5E-08	0.00045	1.51E-04	7.57261E-06	0.000392	4.18E-08	5.50E-04	0.000133	5.83E-06	0.000845	4.31E-08
2136	494411.06	3859701.99	0.06716	0.07231	0.06017	0.06979	1.22E-04	6.2E-06	0.00032	7.4E-08	0.00045	1.50E-04	7.54028E-06	0.000391	4.17E-08	5.48E-04	0.000132	5.8E-06	0.000842	4.3E-08
2137	494461.06	3859701.99	0.0671	0.0722	0.06	0.07044	1.22E-04	6.1E-06	0.00032	7.5E-08	0.00045	1.50E-04	7.52881E-06	0.00039	4.2E-08	5.47E-04	0.000132	5.79E-06	0.000839	4.34E-08
2138	494511.06	3859701.99	0.06672	0.0718	0.05978	0.06993	1.22E-04	6.1E-06	0.00032	7.5E-08	0.00045	1.49E-04	7.4871E-06	0.000388	4.17E-08	5.45E-04	0.000131	5.76E-06	0.000836	4.31E-08
2139	494561.06	3859701.99	0.06642	0.07147	0.05956	0.06968	1.21E-04	6.1E-06	0.00032	7.4E-08	0.00044	1.48E-04	7.45269E-06	0.000387	4.16E-08	5.43E-04	0.000131	5.73E-06	0.000833	4.3E-08
2140	494611.06	3859701.99	0.06609	0.07113	0.05935	0.06937	1.20E-04	6.1E-06	0.00032	7.4E-08	0.00044	1.48E-04	7.41724E-06	0.000385	4.14E-08	5.41E-04	0.00013	5.71E-06	0.00083	4.28E-08
2141	494661.06	3859701.99	0.06528	0.07033	0.05903	0.06747	1.19E-04	6E-06	0.00031	7.2E-08	0.00044	1.46E-04	7.33381E-06	0.000383	4.03E-08	5.37E-04	0.000129	5.64E-06	0.000826	4.16E-08
2142	494711.06	3859701.99	0.06509	0.07011	0.05885	0.06757	1.19E-04	6E-06	0.00031	7.2E-08	0.00044	1.45E-04	7.31087E-06	0.000382	4.03E-08	5.35E-04	0.000128	5.62E-06	0.000823	4.17E-08
2143	494761.06	3859701.99	0.06464	0.06964	0.0586	0.06685	1.18E-04	5.9E-06	0.00031	7.1E-08	0.00044	1.44E-04	7.26186E-06	0.000381	3.99E-08	5.32E-04	0.000127	5.59E-06	0.00082	4.12E-08
2144	494811.06	3859701.99	0.06417	0.06915	0.05833	0.06609	1.17E-04	5.9E-06	0.00031	7.1E-08	0.00043	1.43E-04	7.21077E-06	0.000379	3.94E-08	5.29E-04	0.000126	5.55E-06	0.000816	4.07E-08
2145	494861.06	3859701.99	0.06402	0.06897	0.05817	0.06628	1.17E-04	5.9E-06	0.00031	7.1E-08	0.00043	1.43E-04	7.192E-06	0.000378	3.96E-08	5.28E-04	0.000126	5.53E-06	0.000814	4.09E-08
2146	494911.06	3859701.99	0.06362	0.06854	0.05793	0.06572	1.16E-04	5.8E-06	0.00031	7E-08	0.00043	1.42E-04	7.14716E-06	0.000376	3.92E-08	5.26E-04	0.000125	5.5E-06	0.00081	4.05E-08
2147	494961.06	3859701.99	0.06323	0.06813	0.05768	0.06518	1.15E-04	5.8E-06	0.00031	7E-08	0.00043	1.41E-04	7.1044E-06	0.000375	3.89E-08	5.23E-04	0.000125	5.47E-06	0.000807	4.02E-08
2148	495011.06	3859701.99	0.06297	0.06785	0.05749	0.06501	1.15E-04	5.8E-06	0.00031	6.9E-08	0.00043	1.41E-04	7.07521E-06	0.000373	3.88E-08	5.21E-04	0.000124	5.44E-06	0.000804	4.01E-08
2149	495061.06	3859701.99	0.06264	0.06749	0.05726	0.06461	1.14E-04	5.7E-06	0.0003	6.9E-08	0.00042	1.40E-04	7.03767E-06	0.000372	3.86E-08	5.19E-04	0.000123	5.41E-06	0.000801	3.98E-08
2150	495111.06	3859701.99	0.06229	0.06713	0.05703	0.06419	1.14E-04	5.7E-06	0.0003	6.8E-08	0.00042	1.39E-04	7.00013E-06	0.00037	3.83E-08	5.17E-04	0.000123	5.39E-06	0.000798	3.96E-08
2151	495161.06	3859701.99	0.06193	0.06675	0.05679	0.06369	1.13E-04	5.7E-06	0.0003	6.8E-08	0.00042	1.38E-04	6.9605E-06	0.000369	3.8E-08	5.14E-04	0.000122	5.35E-06	0.000794	3.93E-08
2152	495211.06	3859701.99	0.06154	0.06635	0.05653	0.06315	1.12E-04	5.6E-06	0.0003	6.7E-08	0.00042	1.37E-04	6.91879E-06	0.000367	3.77E-08	5.12E-04	0.000121	5.32E-06	0.000791	3.89E-08
2153	495261.06	3859701.99	0.06139	0.06619	0.05638	0.06323	1.12E-04	5.6E-06	0.0003	6.7E-08	0.00042	1.37E-04	6.90211E-06	0.000366	3.77E-08	5.10E-04	0.000121	5.31E-06	0.000789	3.9E-08
2154	495311.06	3859701.99	0.06103	0.06582	0.05613	0.06274	1.11E-04	5.6E-06	0.0003	6.7E-08	0.00042	1.36E-04	6.86352E-06	0.000365	3.74E-08	5.08E-04	0.00012	5.28E-06	0.000785	3.87E-08
2155	495361.06	3859701.99	0.06069	0.06548	0.0559	0.06232	1.11E-04	5.6E-06	0.0003	6.6E-08	0.00041	1.36E-04	6.82807E-06	0.000363	3.72E-08	5.06E-04	0.00012	5.25E-06	0.000782	3.84E-08
2156	495411.06	3859701.99	0.06026	0.06505	0.05561	0.06163	1.10E-04	5.5E-06	0.0003	6.6E-08	0.00041	1.35E-04	6.78323E-06	0.000361	3.68E-08	5.03E-04	0.000119	5.22E-06	0.000778	3.8E-08
2157	495461.06	3859701.99	0.0599	0.06469	0.05536	0.06114	1.09E-04	5.5E-06	0.00029	6.5E-08	0.00041	1.34E-04	6.74569E-06	0.00036	3.65E-08	5.00E-04	0.000118	5.19E-06	0.000774	3.77E-08
2158	495511.06	3859701.99	0.05929	0.06408	0.05497	0.06004	1.08E-04	5.5E-06	0.00029	6.4E-08	0.00041	1.32E-04	6.68208E-06	0.000357	3.58E-08	4.96E-04	0.000117	5.14E-06	0.000769	3.7E-08
2159	495561.06	3859701.99	0.05922	0.06403	0.05487	0.06027	1.08E-04	5.4E-06	0.00029	6.4E-08	0.0004	1.32E-04	6.67687E-06	0.000356	3.6E-08	4.95E-04	0.000117	5.14E-06	0.000768	3.72E-08
2160	495611.06	3859701.99	0.05889	0.0637	0.05462	0.05984	1.07E-04	5.4E-06	0.00029	6.4E-08	0.0004	1.32E-04	6.64246E-06	0.000355	3.57E-08	4.93E-04	0.000116	5.11E-06	0.000764	3.69E-08
2161	495661.06	3859701.99	0.05853	0.06335	0.05436	0.05934	1.07E-04	5.4E-06	0.00029	6.3E-08	0.0004	1.31E-04	6.60596E-06	0.000353	3.54E-08	4.90E-04	0.000115	5.08E-06	0.00076	3.66E-08
2162	494311.06	3859751.99	0.06708	0.07209	0.05963	0.07075	1.22E-04	6.1E-06	0.00032	7.5E-08	0.00045	1.50E-04	7.51734E-06	0.000387	4.22E-08	5.45E-04	0.000132	5.78E-06	0.000834	4.36E-08
2163	494361.06	3859751.99	0.06672	0.07173	0.05942	0.07025	1.22E-04	6.1E-06	0.00032	7.5E-08	0.00044	1.49E-04	7.4798E-06	0.000386	4.19E-08	5.43E-04	0.000131	5.75E-06	0.000831	4.33E-08
2164	494411.06	3859751.99	0.06631	0.07131	0.05921	0.06955	1.21E-04	6.1E-06	0.00031	7.4E-08	0.00044	1.48E-04	7.43601E-06	0.000385	4.15E-08	5.40E-04	0.000131	5.72E-06	0.000828	4.29E-08
2165	494461.06	3859751.99	0.06617	0.07114	0.05899	0.06993	1.21E-04	6.1E-06	0.00031	7.5E-08	0.00044	1.48E-04	7.41828E-06	0.000383	4.17E-08	5.38E-04	0.00013	5.71E-06	0.000825	4.31E-08
2166	494511.06	3859751.99	0.06593	0.07089	0.05878	0.06996	1.20E-04	6E-06	0.00031	7.5E-08	0.00044	1.47E-04	7.39221E-06	0.000382	4.18E-08	5.36E-04	0.00013	5.69E-06	0.000822	4.31E-08
2167	494561.06	3859751.99	0.06559	0.07053	0.05858	0.06951	1.20E-04	6E-06	0.00031	7.4E-08	0.00044	1.47E-04	7.35467E-06	0.00038	4.15E-08	5.34E-04	0.000129	5.66E-06	0.000819	4.29E-08
2168	494611.06	3859751.99	0.06519	0.07011	0.05838	0.06881	1.19E-04	6E-06	0.00031	7.3E-08	0.00044	1.46E-04	7.31087E-06	0.000379	4.11E-08	5.32E-04	0.000128	5.62E-06	0.000817	4.24E-08
2169	494661.06	3859751.99	0.06461	0.06956	0.05816	0.06752	1.18E-04	5.9E-06	0.00031	7.2E-08	0.00043	1.44E-04	7.25352E-06	0.000378	4.03E-08	5.29E-04	0.000127	5.58E-06	0.000814	4.16E-08
2170	494711.06	3859751.99	0.06442	0.06931	0.05797	0.0676	1.17E-04	5.9E-06	0.00031	7.2E-08	0.00043	1.44E-04	7.22745E-06	0.000377	4.03E-08	5.28E-04	0.000127	5.56E-06	0.000811	4.17E-08
2171	494761.06	3859751.99	0.06413	0.06899	0.05777	0.06736	1.17E-04	5.9E-06	0.00031	7.2E-08	0.00043	1.43E-04	7.19408E-06	0.000375	4.02E-08	5.26E-04	0.000126	5.53E-06	0.000808	4.15E-08
2172	494811.06	3859751.99	0.06374	0.06858	0.05755	0.06676	1.16E-04	5.8E-06	0.00031	7.1E-08	0.00043	1.42E-04	7.15133E-06	0.000374	3.98E-08	5.23E-04	0.000126	5.5E-06	0.000805	4.12E-08
2173	494861.06	3859751.99	0.06343	0.06825	0.05735	0.06642	1.16E-04	5.8E-06	0.0003	7.1E-08	0.00043	1.42E-04	7.11692E-06	0.000373	3.96E-08	5.21E-04	0.000125	5.47E-06	0.000802	4.1E-08
2174	494911.06	3859751.99	0.06311	0.0679	0.05714	0.06606	1.15E-04	5.8E-06	0.0003	7E-08	0.00042	1.41E-04	7.08042E-06	0.000371	3.94E-08	5.19E-04	0.000124	5.45E-06	0.000799	4.07E-08
2175	494961.06	3859751.99	0.06279	0.06756	0.05694	0.0657	1.14E-04	5.7E-06	0.0003	7E-08	0.00042	1.40E-04	7.04497E-06	0.00037	3.92E-08	5.17E-04	0.000124	5.42E-06	0.000797	4.05E-08
2176	495011.06	3859751.99	0.06245	0.0672	0.05673	0.06527	1.14E-04	5.7E-06	0.0003	7E-08	0.00042	1.39E-04	7.00743E-06	0.000368	3.9E-08	5.15E-04	0.000123	5.39E-06	0.000794	4.02E-08
2177	495061.06	3859751.99	0.06219	0.06692	0.05653	0.06507	1.13E-04	5.7E-06	0.0003	6.9E-08	0.00042	1.39E-04	6.97823E-06	0.000367	3.88E-08	5.13E-04	0.000122	5.37E-06	0.000791	4.01E-08
2178	495111.06	3859751.99	0.06186	0.06657	0.05632	0.06465	1.13E-04	5.7E-06	0.0003	6.9E-08	0.00042	1.38E-04	6.94173E-06	0.000366	3.86E-08	5.11E-04	0.000122	5.34E-06	0.000788	3.99E-08
2179	495161.06	3859751.99	0.0615	0.06619	0.0561	0.06414	1.12E-04	5.6E-06	0.0003	6.8E-08	0.00042	1.37E-04	6.90211E-06	0.000364	3.83E-08	5.09E-04	0.000121	5.31E-06	0.000785	3.95E-08
2180	495211.06	3859751.99	0.06113	0.06581	0.05587	0.0636	1.11E-04	5.6E-06	0.0003	6.8E-08	0.00041	1.37E-04	6.86248E-06	0.000363	3.8E-08	5.06E-04	0.00012	5.28E-06	0.000782	3.92E-08
2181	495261.06	3859751.99	0.06086	0.06552	0.05568	0.06336	1.11E-04	5.6E-06	0.0003	6.8E-08	0.00041	1.36E-04	6.83224E-06	0.000362	3.78E-08	5.04E-04	0.00012	5.26E-06	0.000779	3.91E-08
2182	495311.06	3859751.99	0.06053	0.06517	0.05545	0.0629	1.10E-04	5.5E-06	0.00029	6.7E-08	0.00041	1.35E-04	6.79574E-06	0.00036	3.75E-08	5.02E-04	0.000119	5.23E-06	0.000776	3.88E-08
2183	495361.06	3859751.99	0.06021	0.06484	0.05524	0.06251	1.10E-04	5.5E-06	0.00029	6.7E-08	0.00041	1.34E-04	6.76133E-06	0.000359	3.73E-08	5.00E-04	0.000119	5.2E-06	0.000773	3.85E-08
2184	495411.06	3859751.99	0.05991	0.06453	0.05502	0.06213	1.09E-04	5.5E-06	0.00029	6.6E-08	0.00041	1.34E-04	6.72901E-06	0.000357	3.71E-08	4.98E-04	0.000118	5.18E-06	0.00077	3.83E-08
2185	495461.06	3859751.99	0.05949	0.0641	0.05476	0.06143	1.08E-04	5.5E-06	0.00029	6.6E-08	0.0004	1.33E-04	6.68417E-06	0.000356	3.67E-08	4.95E-04	0.000117	5.14E-06	0.000766	3.79E-08
2186	495511.06	3859751.99	0.05906	0.06367	0.05449	0.06073	1.08E-04	5.4E-06	0.00029	6.5E-08	0.0004	1.32E-04	6.63933E-06	0.000354	3.62E-08	4.93E-04	0.000116	5.11E-06	0.000762	3.74E-08
2187	495561.06	3859751.99	0.05875	0.06335	0.05427	0.06032	1.07E-04	5.4E-06	0.00029	6.4E-08	0.0004	1.31E-04	6.60596E-06	0.000352	3.6E-08	4.90E-04	0.000116	5.08E-06	0.000759	3.72E-08
2188	495611.06	3859751.99	0.05844	0.06304	0.05404	0.05993	1.07E-04	5.4E-06	0.00029	6.4E-08	0.0004	1.31E-04	6.57363E-06	0.000351	3.58E-08	4.88E-04	0.000115	5.06E-06	0.000756	3.7E-08
2189	495661.06	3859751.99	0.05819	0.0628	0.05385	0.0597	1.06E-04	5.3E-06	0.00029	6.4E-08	0.0004	1.30E-04	6.54861E-06	0.00035	3.56E-08	4.86E-04	0.000115	5.04E-06	0.000753	3.68E-08
2190	494311.06	3859801.99	0.06619	0.07113	0.05859	0.07081	1.21E-04	6.1E-06	0.00031	7.6E-08	0.00044	1.48E-04	7.41724E-06	0.000381	4.23E-08	5.36E-04	0.00013	5.71E-06	0.00082	4.37E-08
2191	494361.06	3859801.99	0.06579	0.07066	0.0584	0.06999	1.20E-04	6E-06	0.00031	7.5E-08	0.00044	1.47E-04	7.36823E-06	0.000379	4.18E-08	5.34E-04	0.00013	5.67E-06	0.000817	4.32E-08
2192	494411.06	3859801.99	0.06537	0.07024	0.05823	0.06911	1.19E-04	6E-06	0.00031	7.4E-08	0.00043	1.46E-04	7.32443E-06	0.000378	4.12E-08	5.32E-04	0.000129	5.63E-06	0.000815	4.26E-08

2193	494461.06	3859801.99	0.06519	0.07005	0.05799	0.06937	1.19E-04	6E-06	0.00031	7.4E-08	0.00043	1.46E-04	7.30462E-06	0.000377	4.14E-08	5.30E-04	0.000128	5.62E-06	0.000811	4.28E-08
2194	494511.06	3859801.99	0.06502	0.06999	0.05775	0.0697	1.19E-04	6E-06	0.00031	7.4E-08	0.00043	1.45E-04	7.29836E-06	0.000375	4.16E-08	5.28E-04	0.000128	5.61E-06	0.000808	4.3E-08
2195	494561.06	3859801.99	0.06471	0.06968	0.05756	0.0693	1.18E-04	5.9E-06	0.00031	7.4E-08	0.00043	1.45E-04	7.26603E-06	0.000374	4.14E-08	5.26E-04	0.000127	5.59E-06	0.000805	4.27E-08
2196	494611.06	3859801.99	0.06425	0.06907	0.05741	0.06819	1.17E-04	5.9E-06	0.00031	7.3E-08	0.00043	1.44E-04	7.20242E-06	0.000373	4.07E-08	5.24E-04	0.000127	5.54E-06	0.000803	4.2E-08
2197	494661.06	3859801.99	0.06391	0.06871	0.05722	0.06767	1.16E-04	5.8E-06	0.0003	7.2E-08	0.00043	1.43E-04	7.16488E-06	0.000372	4.04E-08	5.22E-04	0.000126	5.51E-06	0.0008	4.17E-08
2198	494711.06	3859801.99	0.06351	0.0683	0.05703	0.06696	1.16E-04	5.8E-06	0.0003	7.1E-08	0.00042	1.42E-04	7.12213E-06	0.00037	4E-08	5.19E-04	0.000125	5.48E-06	0.000798	4.13E-08
2199	494761.06	3859801.99	0.06337	0.06814	0.05683	0.06728	1.16E-04	5.8E-06	0.0003	7.2E-08	0.00042	1.42E-04	7.10545E-06	0.000369	4.02E-08	5.18E-04	0.000125	5.47E-06	0.000795	4.15E-08
2200	494811.06	3859801.99	0.06303	0.06778	0.05664	0.06679	1.15E-04	5.8E-06	0.0003	7.1E-08	0.00042	1.41E-04	7.06791E-06	0.000368	3.99E-08	5.16E-04	0.000124	5.44E-06	0.000792	4.12E-08
2201	494861.06	3859801.99	0.06275	0.06748	0.05645	0.06654	1.14E-04	5.7E-06	0.0003	7.1E-08	0.00042	1.40E-04	7.03662E-06	0.000367	3.97E-08	5.14E-04	0.000124	5.41E-06	0.00079	4.1E-08
2202	494911.06	3859801.99	0.06239	0.06709	0.05627	0.06595	1.14E-04	5.7E-06	0.0003	7E-08	0.00042	1.39E-04	6.99596E-06	0.000365	3.94E-08	5.12E-04	0.000123	5.38E-06	0.000787	4.07E-08
2203	494961.06	3859801.99	0.06209	0.06677	0.05608	0.0656	1.13E-04	5.7E-06	0.0003	7E-08	0.00042	1.39E-04	6.96259E-06	0.000364	3.92E-08	5.10E-04	0.000122	5.36E-06	0.000785	4.04E-08
2204	495011.06	3859801.99	0.06178	0.06644	0.05588	0.06521	1.13E-04	5.7E-06	0.0003	7E-08	0.00042	1.38E-04	6.92818E-06	0.000363	3.89E-08	5.08E-04	0.000122	5.33E-06	0.000782	4.02E-08
2205	495061.06	3859801.99	0.06151	0.06614	0.05569	0.06495	1.12E-04	5.6E-06	0.0003	6.9E-08	0.00041	1.37E-04	6.89689E-06	0.000362	3.88E-08	5.06E-04	0.000121	5.31E-06	0.000779	4E-08
2206	495111.06	3859801.99	0.06116	0.06577	0.05549	0.06443	1.11E-04	5.6E-06	0.00029	6.9E-08	0.00041	1.37E-04	6.85831E-06	0.00036	3.85E-08	5.04E-04	0.00012	5.28E-06	0.000776	3.97E-08
2207	495161.06	3859801.99	0.06083	0.06541	0.05529	0.06395	1.11E-04	5.6E-06	0.00029	6.8E-08	0.00041	1.36E-04	6.82077E-06	0.000359	3.82E-08	5.02E-04	0.00012	5.25E-06	0.000773	3.94E-08
2208	495211.06	3859801.99	0.06056	0.06512	0.0551	0.06369	1.10E-04	5.5E-06	0.00029	6.8E-08	0.00041	1.35E-04	6.79053E-06	0.000358	3.8E-08	5.00E-04	0.000119	5.22E-06	0.000771	3.93E-08
2209	495261.06	3859801.99	0.06021	0.06476	0.0549	0.06318	1.10E-04	5.5E-06	0.00029	6.7E-08	0.00041	1.34E-04	6.75299E-06	0.000357	3.77E-08	4.98E-04	0.000119	5.19E-06	0.000768	3.9E-08
2210	495311.06	3859801.99	0.05996	0.06449	0.05471	0.06296	1.09E-04	5.5E-06	0.00029	6.7E-08	0.00041	1.34E-04	6.72483E-06	0.000355	3.76E-08	4.96E-04	0.000118	5.17E-06	0.000765	3.88E-08
2211	495361.06	3859801.99	0.05964	0.06415	0.05451	0.06253	1.09E-04	5.5E-06	0.00029	6.7E-08	0.0004	1.33E-04	6.68938E-06	0.000354	3.73E-08	4.94E-04	0.000117	5.15E-06	0.000763	3.86E-08
2212	495411.06	3859801.99	0.05928	0.06378	0.05429	0.06196	1.08E-04	5.4E-06	0.00029	6.6E-08	0.0004	1.32E-04	6.6508E-06	0.000353	3.7E-08	4.92E-04	0.000117	5.12E-06	0.000759	3.82E-08
2213	495461.06	3859801.99	0.05898	0.06346	0.05409	0.06156	1.08E-04	5.4E-06	0.00029	6.6E-08	0.0004	1.32E-04	6.61743E-06	0.000351	3.67E-08	4.90E-04	0.000116	5.09E-06	0.000757	3.8E-08
2214	495511.06	3859801.99	0.05857	0.06303	0.05384	0.06083	1.07E-04	5.4E-06	0.00029	6.5E-08	0.0004	1.31E-04	6.57259E-06	0.00035	3.63E-08	4.87E-04	0.000115	5.06E-06	0.000753	3.75E-08
2215	495561.06	3859801.99	0.0583	0.06275	0.05365	0.06054	1.06E-04	5.3E-06	0.00029	6.5E-08	0.0004	1.30E-04	6.54339E-06	0.000348	3.61E-08	4.85E-04	0.000115	5.03E-06	0.000751	3.73E-08
2216	495611.06	3859801.99	0.05812	0.06257	0.05348	0.06051	1.06E-04	5.3E-06	0.00028	6.5E-08	0.0004	1.30E-04	6.52462E-06	0.000347	3.61E-08	4.84E-04	0.000114	5.02E-06	0.000748	3.73E-08
2217	495661.06	3859801.99	0.05774	0.06218	0.05324	0.05987	1.05E-04	5.3E-06	0.00028	6.4E-08	0.00039	1.29E-04	6.48395E-06	0.000346	3.57E-08	4.81E-04	0.000114	4.99E-06	0.000745	3.69E-08
2218	494311.06	3859851.99	0.06518	0.06997	0.05758	0.07039	1.19E-04	6E-06	0.00031	7.5E-08	0.00043	1.46E-04	7.29627E-06	0.000374	4.2E-08	5.27E-04	0.000128	5.61E-06	0.000805	4.34E-08
2219	494361.06	3859851.99	0.06485	0.06965	0.05739	0.0698	1.18E-04	5.9E-06	0.0003	7.4E-08	0.00043	1.45E-04	7.26291E-06	0.000373	4.17E-08	5.25E-04	0.000128	5.59E-06	0.000803	4.3E-08
2220	494411.06	3859851.99	0.06449	0.0693	0.05722	0.0691	1.18E-04	5.9E-06	0.0003	7.4E-08	0.00043	1.44E-04	7.22641E-06	0.000372	4.12E-08	5.23E-04	0.000127	5.56E-06	0.0008	4.26E-08
2221	494461.06	3859851.99	0.06417	0.069	0.05702	0.06865	1.17E-04	5.9E-06	0.0003	7.3E-08	0.00043	1.43E-04	7.19512E-06	0.00037	4.1E-08	5.21E-04	0.000126	5.54E-06	0.000798	4.23E-08
2222	494511.06	3859851.99	0.06395	0.06878	0.0568	0.06869	1.17E-04	5.9E-06	0.0003	7.3E-08	0.00042	1.43E-04	7.17218E-06	0.000369	4.1E-08	5.19E-04	0.000126	5.52E-06	0.000795	4.24E-08
2223	494561.06	3859851.99	0.06375	0.06858	0.05656	0.06886	1.16E-04	5.8E-06	0.0003	7.3E-08	0.00042	1.42E-04	7.15133E-06	0.000367	4.11E-08	5.17E-04	0.000126	5.5E-06	0.000791	4.25E-08
2224	494611.06	3859851.99	0.06332	0.06804	0.05643	0.06771	1.15E-04	5.8E-06	0.0003	7.2E-08	0.00042	1.41E-04	7.09502E-06	0.000367	4.04E-08	5.15E-04	0.000125	5.46E-06	0.000789	4.17E-08
2225	494661.06	3859851.99	0.06308	0.06792	0.05622	0.06766	1.15E-04	5.8E-06	0.0003	7.2E-08	0.00042	1.41E-04	7.08251E-06	0.000365	4.04E-08	5.13E-04	0.000124	5.45E-06	0.000786	4.17E-08
2226	494711.06	3859851.99	0.0627	0.0674	0.05608	0.06685	1.14E-04	5.7E-06	0.0003	7.1E-08	0.00042	1.40E-04	7.02828E-06	0.000364	3.99E-08	5.11E-04	0.000123	5.41E-06	0.000785	4.12E-08
2227	494761.06	3859851.99	0.06251	0.06721	0.05585	0.06704	1.14E-04	5.7E-06	0.0003	7.2E-08	0.00042	1.40E-04	7.00847E-06	0.000363	4E-08	5.09E-04	0.000123	5.39E-06	0.000781	4.13E-08
2228	494811.06	3859851.99	0.06221	0.06689	0.05567	0.06662	1.13E-04	5.7E-06	0.0003	7.1E-08	0.00041	1.39E-04	6.9751E-06	0.000362	3.98E-08	5.08E-04	0.000123	5.37E-06	0.000779	4.11E-08
2229	494861.06	3859851.99	0.06196	0.06662	0.05548	0.06646	1.13E-04	5.7E-06	0.00029	7.1E-08	0.00041	1.38E-04	6.94695E-06	0.00036	3.97E-08	5.06E-04	0.000122	5.34E-06	0.000776	4.1E-08
2230	494911.06	3859851.99	0.06164	0.06628	0.05533	0.06592	1.12E-04	5.6E-06	0.00029	7E-08	0.00041	1.38E-04	6.91149E-06	0.000359	3.93E-08	5.04E-04	0.000121	5.32E-06	0.000774	4.06E-08
2231	494961.06	3859851.99	0.06135	0.06597	0.05515	0.06557	1.12E-04	5.6E-06	0.00029	7E-08	0.00041	1.37E-04	6.87917E-06	0.000358	3.91E-08	5.02E-04	0.000121	5.29E-06	0.000771	4.04E-08
2232	495011.06	3859851.99	0.06106	0.06566	0.05497	0.06521	1.11E-04	5.6E-06	0.00029	7E-08	0.00041	1.36E-04	6.84684E-06	0.000357	3.89E-08	5.00E-04	0.00012	5.27E-06	0.000769	4.02E-08
2233	495061.06	3859851.99	0.0608	0.06538	0.05479	0.06497	1.11E-04	5.6E-06	0.00029	6.9E-08	0.00041	1.36E-04	6.81764E-06	0.000356	3.88E-08	4.99E-04	0.00012	5.24E-06	0.000766	4.01E-08
2234	495111.06	3859851.99	0.06047	0.06502	0.05462	0.06441	1.10E-04	5.5E-06	0.00029	6.9E-08	0.00041	1.35E-04	6.7801E-06	0.000355	3.84E-08	4.97E-04	0.000119	5.22E-06	0.000764	3.97E-08
2235	495161.06	3859851.99	0.06017	0.06469	0.05445	0.064	1.10E-04	5.5E-06	0.00029	6.8E-08	0.0004	1.34E-04	6.74569E-06	0.000354	3.82E-08	4.95E-04	0.000119	5.19E-06	0.000762	3.95E-08
2236	495211.06	3859851.99	0.05989	0.06438	0.05427	0.06364	1.09E-04	5.5E-06	0.00029	6.8E-08	0.0004	1.34E-04	6.71336E-06	0.000352	3.8E-08	4.93E-04	0.000118	5.16E-06	0.000759	3.92E-08
2237	495261.06	3859851.99	0.05959	0.06406	0.05409	0.06322	1.09E-04	5.5E-06	0.00029	6.7E-08	0.0004	1.33E-04	6.68E-06	0.000351	3.77E-08	4.91E-04	0.000117	5.14E-06	0.000757	3.9E-08
2238	495311.06	3859851.99	0.05933	0.06377	0.05391	0.06295	1.08E-04	5.4E-06	0.00029	6.7E-08	0.0004	1.33E-04	6.64976E-06	0.00035	3.76E-08	4.89E-04	0.000117	5.12E-06	0.000754	3.88E-08
2239	495361.06	3859851.99	0.05905	0.06347	0.05373	0.0626	1.08E-04	5.4E-06	0.00029	6.7E-08	0.0004	1.32E-04	6.61847E-06	0.000349	3.74E-08	4.88E-04	0.000116	5.09E-06	0.000752	3.86E-08
2240	495411.06	3859851.99	0.05872	0.06312	0.05354	0.06209	1.07E-04	5.4E-06	0.00028	6.6E-08	0.0004	1.31E-04	6.58198E-06	0.000348	3.71E-08	4.86E-04	0.000116	5.06E-06	0.000749	3.83E-08
2241	495461.06	3859851.99	0.0584	0.06278	0.05335	0.06159	1.06E-04	5.3E-06	0.00028	6.6E-08	0.0004	1.30E-04	6.54652E-06	0.000347	3.68E-08	4.84E-04	0.000115	5.04E-06	0.000746	3.8E-08
2242	495511.06	3859851.99	0.05805	0.06241	0.05315	0.06099	1.06E-04	5.3E-06	0.00028	6.5E-08	0.00039	1.30E-04	6.50794E-06	0.000345	3.64E-08	4.81E-04	0.000114	5.01E-06	0.000744	3.76E-08
2243	495561.06	3859851.99	0.05782	0.06217	0.05297	0.0608	1.05E-04	5.3E-06	0.00028	6.5E-08	0.00039	1.29E-04	6.48291E-06	0.000344	3.63E-08	4.80E-04	0.000114	4.99E-06	0.000741	3.75E-08
2244	495611.06	3859851.99	0.05757	0.06191	0.05279	0.06055	1.05E-04	5.3E-06	0.00028	6.5E-08	0.00039	1.29E-04	6.4558E-06	0.000343	3.61E-08	4.78E-04	0.000113	4.97E-06	0.000738	3.73E-08
2245	495661.06	3859851.99	0.05723	0.06155	0.05258	0.05998	1.04E-04	5.2E-06	0.00028	6.4E-08	0.00039	1.28E-04	6.41826E-06	0.000342	3.58E-08	4.76E-04	0.000113	4.94E-06	0.000736	3.7E-08
2246	494311.06	3859901.99	0.06413	0.06881	0.05661	0.06985	1.17E-04	5.9E-06	0.0003	7.5E-08	0.00042	1.43E-04	7.17531E-06	0.000368	4.17E-08	5.18E-04	0.000126	5.52E-06	0.000792	4.31E-08
2247	494361.06	3859901.99	0.06376	0.06844	0.05646	0.06892	1.16E-04	5.8E-06	0.0003	7.4E-08	0.00042	1.42E-04	7.13673E-06	0.000367	4.11E-08	5.16E-04	0.000126	5.49E-06	0.00079	4.25E-08
2248	494411.06	3859901.99	0.06351	0.0682	0.05624	0.06879	1.16E-04	5.8E-06	0.0003	7.3E-08	0.00042	1.42E-04	7.1117E-06	0.000365	4.11E-08	5.14E-04	0.000125	5.47E-06	0.000787	4.24E-08
2249	494461.06	3859901.99	0.06323	0.06792	0.05604	0.06837	1.15E-04	5.8E-06	0.0003	7.3E-08	0.00042	1.41E-04	7.08251E-06	0.000364	4.08E-08	5.12E-04	0.000125	5.45E-06	0.000784	4.22E-08
2250	494511.06	3859901.99	0.06297	0.06767	0.05584	0.06819	1.15E-04	5.8E-06	0.0003	7.3E-08	0.00042	1.41E-04	7.05644E-06	0.000363	4.07E-08	5.10E-04	0.000124	5.43E-06	0.000781	4.2E-08
2251	494561.06	3859901.99	0.06279	0.0675	0.05558	0.06851	1.14E-04	5.7E-06	0.0003	7.3E-08	0.00042	1.40E-04	7.03871E-06	0.000361	4.09E-08	5.08E-04	0.000124	5.41E-06	0.000778	4.22E-08
2252	494611.06	3859901.99	0.06239	0.0671	0.05547	0.06736	1.14E-04	5.7E-06	0.00029	7.2E-08	0.00041	1.39E-04	6.997E-06	0.00036	4.02E-08	5.07E-04	0.000123	5.38E-06	0.000776	4.15E-08
2253	494661.06	3859901.99	0.06219	0.06691	0.05523	0.06757	1.13E-04	5.7E-06	0.00029	7.2E-08	0.00041	1.39E-04	6.97719E-06	0.000359	4.03E-08	5.05E-04	0.000122	5.37E-06	0.000773	4.17E-08

2254	494711.06	3859901.99	0.0618	0.06652	0.05512	0.06645	1.13E-04	5.7E-06	0.00029	7.1E-08	0.00041	1.38E-04	6.93652E-06	0.000358	3.97E-08	5.03E-04	0.000122	5.34E-06	0.000771	4.1E-08
2255	494761.06	3859901.99	0.06158	0.0663	0.05491	0.06647	1.12E-04	5.6E-06	0.00029	7.1E-08	0.00041	1.38E-04	6.91358E-06	0.000357	3.97E-08	5.01E-04	0.000121	5.32E-06	0.000768	4.1E-08
2256	494811.06	3859901.99	0.06136	0.06608	0.05469	0.06649	1.12E-04	5.6E-06	0.00029	7.1E-08	0.00041	1.37E-04	6.89064E-06	0.000355	3.97E-08	4.99E-04	0.000121	5.3E-06	0.000765	4.1E-08
2257	494861.06	3859901.99	0.06111	0.06582	0.0545	0.06629	1.11E-04	5.6E-06	0.00029	7.1E-08	0.00041	1.37E-04	6.86352E-06	0.000354	3.96E-08	4.97E-04	0.00012	5.28E-06	0.000762	4.09E-08
2258	494911.06	3859901.99	0.0608	0.06552	0.05435	0.06576	1.11E-04	5.6E-06	0.00029	7E-08	0.00041	1.36E-04	6.83224E-06	0.000353	3.92E-08	4.96E-04	0.00012	5.26E-06	0.00076	4.05E-08
2259	494961.06	3859901.99	0.06054	0.06526	0.05417	0.06551	1.10E-04	5.6E-06	0.00029	7E-08	0.0004	1.35E-04	6.80513E-06	0.000352	3.91E-08	4.94E-04	0.000119	5.24E-06	0.000758	4.04E-08
2260	495011.06	3859901.99	0.06026	0.06496	0.05401	0.06506	1.10E-04	5.5E-06	0.00029	6.9E-08	0.0004	1.35E-04	6.77385E-06	0.000351	3.88E-08	4.92E-04	0.000119	5.21E-06	0.000756	4.01E-08
2261	495061.06	3859901.99	0.05998	0.06468	0.05385	0.0647	1.09E-04	5.5E-06	0.00029	6.9E-08	0.0004	1.34E-04	6.74465E-06	0.00035	3.86E-08	4.91E-04	0.000118	5.19E-06	0.000753	3.99E-08
2262	495111.06	3859901.99	0.05968	0.06418	0.0537	0.06415	1.09E-04	5.5E-06	0.00029	6.8E-08	0.0004	1.33E-04	6.69251E-06	0.000349	3.83E-08	4.89E-04	0.000118	5.15E-06	0.000751	3.96E-08
2263	495161.06	3859901.99	0.05938	0.06385	0.05355	0.06366	1.08E-04	5.4E-06	0.00028	6.8E-08	0.0004	1.33E-04	6.6581E-06	0.000348	3.8E-08	4.87E-04	0.000117	5.12E-06	0.000749	3.93E-08
2264	495211.06	3859901.99	0.05914	0.0636	0.05338	0.06348	1.08E-04	5.4E-06	0.00028	6.8E-08	0.0004	1.32E-04	6.63203E-06	0.000347	3.79E-08	4.85E-04	0.000116	5.1E-06	0.000747	3.91E-08
2265	495261.06	3859901.99	0.05882	0.06324	0.05323	0.06287	1.07E-04	5.4E-06	0.00028	6.7E-08	0.0004	1.31E-04	6.59449E-06	0.000346	3.75E-08	4.84E-04	0.000116	5.07E-06	0.000745	3.88E-08
2266	495311.06	3859901.99	0.05859	0.06299	0.05305	0.0627	1.07E-04	5.4E-06	0.00028	6.7E-08	0.00039	1.31E-04	6.56842E-06	0.000345	3.74E-08	4.82E-04	0.000115	5.05E-06	0.000742	3.87E-08
2267	495361.06	3859901.99	0.05831	0.06268	0.05289	0.06229	1.06E-04	5.3E-06	0.00028	6.6E-08	0.00039	1.30E-04	6.53609E-06	0.000344	3.72E-08	4.80E-04	0.000115	5.03E-06	0.00074	3.84E-08
2268	495411.06	3859901.99	0.058	0.06234	0.05273	0.06177	1.06E-04	5.3E-06	0.00028	6.6E-08	0.00039	1.30E-04	6.50064E-06	0.000342	3.69E-08	4.79E-04	0.000114	5E-06	0.000738	3.81E-08
2269	495461.06	3859901.99	0.05772	0.06203	0.05256	0.06134	1.05E-04	5.3E-06	0.00028	6.5E-08	0.00039	1.29E-04	6.46831E-06	0.000341	3.66E-08	4.77E-04	0.000114	4.98E-06	0.000735	3.78E-08
2270	495511.06	3859901.99	0.05748	0.06177	0.05239	0.06112	1.05E-04	5.3E-06	0.00028	6.5E-08	0.00039	1.28E-04	6.4412E-06	0.00034	3.65E-08	4.75E-04	0.000113	4.96E-06	0.000733	3.77E-08
2271	495561.06	3859901.99	0.05724	0.06151	0.05222	0.06088	1.04E-04	5.2E-06	0.00028	6.5E-08	0.00039	1.28E-04	6.41409E-06	0.000339	3.63E-08	4.73E-04	0.000113	4.93E-06	0.000731	3.75E-08
2272	495611.06	3859901.99	0.05694	0.06119	0.05204	0.0604	1.04E-04	5.2E-06	0.00028	6.4E-08	0.00039	1.27E-04	6.38072E-06	0.000338	3.6E-08	4.72E-04	0.000112	4.91E-06	0.000728	3.72E-08
2273	495661.06	3859901.99	0.05662	0.06085	0.05186	0.05986	1.03E-04	5.2E-06	0.00028	6.4E-08	0.00038	1.26E-04	6.34527E-06	0.000337	3.57E-08	4.70E-04	0.000112	4.88E-06	0.000725	3.69E-08
2274	494311.06	3859951.99	0.06311	0.06799	0.05567	0.06943	1.15E-04	5.8E-06	0.0003	7.4E-08	0.00042	1.41E-04	7.08981E-06	0.000362	4.14E-08	5.10E-04	0.000124	5.45E-06	0.000779	4.28E-08
2275	494361.06	3859951.99	0.06281	0.06773	0.05549	0.06886	1.14E-04	5.8E-06	0.00029	7.3E-08	0.00042	1.40E-04	7.06269E-06	0.00036	4.11E-08	5.08E-04	0.000124	5.43E-06	0.000776	4.25E-08
2276	494411.06	3859951.99	0.06252	0.0671	0.0553	0.06836	1.14E-04	5.7E-06	0.00029	7.3E-08	0.00041	1.40E-04	6.997E-06	0.000359	4.08E-08	5.06E-04	0.000123	5.38E-06	0.000774	4.21E-08
2277	494461.06	3859951.99	0.06224	0.06683	0.0551	0.06797	1.13E-04	5.7E-06	0.00029	7.3E-08	0.00041	1.39E-04	6.96884E-06	0.000358	4.06E-08	5.04E-04	0.000123	5.36E-06	0.000771	4.19E-08
2278	494511.06	3859951.99	0.062	0.0666	0.05489	0.06781	1.13E-04	5.7E-06	0.00029	7.2E-08	0.00041	1.38E-04	6.94486E-06	0.000357	4.05E-08	5.02E-04	0.000122	5.34E-06	0.000768	4.18E-08
2279	494561.06	3859951.99	0.06183	0.06671	0.05463	0.06821	1.13E-04	5.7E-06	0.00029	7.3E-08	0.00041	1.38E-04	6.95633E-06	0.000355	4.07E-08	5.00E-04	0.000122	5.35E-06	0.000764	4.21E-08
2280	494611.06	3859951.99	0.06148	0.0661	0.0545	0.06728	1.12E-04	5.6E-06	0.00029	7.2E-08	0.00041	1.37E-04	6.89272E-06	0.000354	4.02E-08	4.98E-04	0.000121	5.3E-06	0.000762	4.15E-08
2281	494661.06	3859951.99	0.06127	0.0662	0.05427	0.06737	1.12E-04	5.6E-06	0.00029	7.2E-08	0.00041	1.37E-04	6.90315E-06	0.000352	4.02E-08	4.96E-04	0.000121	5.31E-06	0.000759	4.15E-08
2282	494711.06	3859951.99	0.06095	0.06556	0.05413	0.06652	1.11E-04	5.6E-06	0.00029	7.1E-08	0.0004	1.36E-04	6.83641E-06	0.000352	3.97E-08	4.95E-04	0.00012	5.26E-06	0.000757	4.1E-08
2283	494761.06	3859951.99	0.0607	0.06532	0.05394	0.06635	1.11E-04	5.6E-06	0.00029	7.1E-08	0.0004	1.36E-04	6.81138E-06	0.00035	3.96E-08	4.93E-04	0.00012	5.24E-06	0.000755	4.09E-08
2284	494811.06	3859951.99	0.06045	0.06507	0.05375	0.06609	1.10E-04	5.5E-06	0.00029	7.1E-08	0.0004	1.35E-04	6.78532E-06	0.000349	3.94E-08	4.91E-04	0.000119	5.22E-06	0.000752	4.07E-08
2285	494861.06	3859951.99	0.06021	0.06484	0.05354	0.06603	1.10E-04	5.5E-06	0.00028	7E-08	0.0004	1.34E-04	6.76133E-06	0.000348	3.94E-08	4.89E-04	0.000119	5.2E-06	0.000749	4.07E-08
2286	494911.06	3859951.99	0.05993	0.06455	0.05339	0.06551	1.09E-04	5.5E-06	0.00028	7E-08	0.0004	1.34E-04	6.73109E-06	0.000347	3.91E-08	4.87E-04	0.000118	5.18E-06	0.000747	4.04E-08
2287	494961.06	3859951.99	0.05965	0.06427	0.05324	0.06504	1.09E-04	5.5E-06	0.00028	6.9E-08	0.0004	1.33E-04	6.70189E-06	0.000346	3.88E-08	4.86E-04	0.000117	5.16E-06	0.000745	4.01E-08
2288	495011.06	3859951.99	0.05938	0.06399	0.05308	0.06464	1.08E-04	5.4E-06	0.00028	6.9E-08	0.0004	1.33E-04	6.6727E-06	0.000345	3.86E-08	4.84E-04	0.000117	5.13E-06	0.000743	3.99E-08
2289	495061.06	3859951.99	0.05913	0.06373	0.05291	0.06435	1.08E-04	5.4E-06	0.00028	6.9E-08	0.00039	1.32E-04	6.64558E-06	0.000344	3.84E-08	4.82E-04	0.000116	5.11E-06	0.00074	3.97E-08
2290	495111.06	3859951.99	0.05885	0.06344	0.05278	0.06384	1.07E-04	5.4E-06	0.00028	6.8E-08	0.00039	1.31E-04	6.61534E-06	0.000343	3.81E-08	4.81E-04	0.000116	5.09E-06	0.000738	3.94E-08
2291	495161.06	3859951.99	0.05856	0.06315	0.05263	0.06335	1.07E-04	5.4E-06	0.00028	6.8E-08	0.00039	1.31E-04	6.5851E-06	0.000342	3.78E-08	4.79E-04	0.000115	5.07E-06	0.000736	3.91E-08
2292	495211.06	3859951.99	0.05829	0.0627	0.05249	0.06288	1.06E-04	5.3E-06	0.00028	6.7E-08	0.00039	1.30E-04	6.53818E-06	0.000341	3.75E-08	4.78E-04	0.000115	5.03E-06	0.000734	3.88E-08
2293	495261.06	3859951.99	0.05803	0.06241	0.05234	0.06253	1.06E-04	5.3E-06	0.00028	6.7E-08	0.00039	1.30E-04	6.50794E-06	0.00034	3.73E-08	4.76E-04	0.000114	5.01E-06	0.000732	3.86E-08
2294	495311.06	3859951.99	0.05781	0.06219	0.05216	0.06241	1.05E-04	5.3E-06	0.00028	6.7E-08	0.00039	1.29E-04	6.485E-06	0.000339	3.72E-08	4.74E-04	0.000114	4.99E-06	0.00073	3.85E-08
2295	495361.06	3859951.99	0.05756	0.06192	0.052	0.06212	1.05E-04	5.3E-06	0.00028	6.6E-08	0.00039	1.29E-04	6.45684E-06	0.000338	3.71E-08	4.73E-04	0.000113	4.97E-06	0.000727	3.83E-08
2296	495411.06	3859951.99	0.05729	0.06161	0.05187	0.06165	1.04E-04	5.2E-06	0.00028	6.6E-08	0.00039	1.28E-04	6.42452E-06	0.000337	3.68E-08	4.71E-04	0.000113	4.94E-06	0.000726	3.8E-08
2297	495461.06	3859951.99	0.05702	0.06131	0.05172	0.06124	1.04E-04	5.2E-06	0.00027	6.5E-08	0.00038	1.27E-04	6.39323E-06	0.000336	3.66E-08	4.70E-04	0.000112	4.92E-06	0.000724	3.78E-08
2298	495511.06	3859951.99	0.05675	0.06101	0.05156	0.06082	1.03E-04	5.2E-06	0.00027	6.5E-08	0.00038	1.27E-04	6.36195E-06	0.000335	3.63E-08	4.68E-04	0.000112	4.89E-06	0.000721	3.75E-08
2299	495561.06	3859951.99	0.05656	0.06081	0.05139	0.06077	1.03E-04	5.2E-06	0.00027	6.5E-08	0.00038	1.26E-04	6.34109E-06	0.000334	3.63E-08	4.67E-04	0.000111	4.88E-06	0.000719	3.75E-08
2300	495611.06	3859951.99	0.05628	0.0605	0.05124	0.06031	1.03E-04	5.1E-06	0.00027	6.4E-08	0.00038	1.26E-04	6.30877E-06	0.000333	3.6E-08	4.65E-04	0.000111	4.85E-06	0.000717	3.72E-08
2301	495661.06	3859951.99	0.05598	0.06016	0.0511	0.05973	1.02E-04	5.1E-06	0.00027	6.4E-08	0.00038	1.25E-04	6.27331E-06	0.000332	3.56E-08	4.63E-04	0.00011	4.83E-06	0.000715	3.68E-08
2302	494311.06	3860001.99	0.06207	0.06677	0.05478	0.06889	1.13E-04	5.7E-06	0.00029	7.3E-08	0.00041	1.39E-04	6.96259E-06	0.000356	4.11E-08	5.01E-04	0.000122	5.36E-06	0.000766	4.25E-08
2303	494361.06	3860001.99	0.06181	0.06653	0.05458	0.0685	1.13E-04	5.7E-06	0.00029	7.3E-08	0.00041	1.38E-04	6.93756E-06	0.000355	4.09E-08	5.00E-04	0.000122	5.34E-06	0.000764	4.22E-08
2304	494411.06	3860001.99	0.06151	0.06628	0.0544	0.06783	1.12E-04	5.6E-06	0.00029	7.2E-08	0.00041	1.37E-04	6.91149E-06	0.000353	4.05E-08	4.98E-04	0.000121	5.32E-06	0.000761	4.18E-08
2305	494461.06	3860001.99	0.06127	0.06604	0.0542	0.0676	1.12E-04	5.6E-06	0.00029	7.2E-08	0.00041	1.37E-04	6.88646E-06	0.000352	4.03E-08	4.96E-04	0.000121	5.3E-06	0.000758	4.17E-08
2306	494511.06	3860001.99	0.06099	0.06579	0.05402	0.06712	1.11E-04	5.6E-06	0.00029	7.2E-08	0.0004	1.36E-04	6.8604E-06	0.000351	4.01E-08	4.94E-04	0.00012	5.28E-06	0.000756	4.14E-08
2307	494561.06	3860001.99	0.06085	0.06555	0.05375	0.06773	1.11E-04	5.6E-06	0.00029	7.2E-08	0.0004	1.36E-04	6.83537E-06	0.000349	4.04E-08	4.92E-04	0.00012	5.26E-06	0.000752	4.18E-08
2308	494611.06	3860001.99	0.06057	0.06531	0.05357	0.0672	1.10E-04	5.6E-06	0.00028	7.2E-08	0.0004	1.35E-04	6.81034E-06	0.000348	4.01E-08	4.90E-04	0.000119	5.24E-06	0.000749	4.14E-08
2309	494661.06	3860001.99	0.06033	0.06506	0.05338	0.06696	1.10E-04	5.5E-06	0.00028	7.1E-08	0.0004	1.35E-04	6.78427E-06	0.000347	4E-08	4.88E-04	0.000119	5.22E-06	0.000747	4.13E-08
2310	494711.06	3860001.99	0.05997	0.06481	0.05327	0.06579	1.09E-04	5.5E-06	0.00028	7E-08	0.0004	1.34E-04	6.7582E-06	0.000346	3.93E-08	4.87E-04	0.000118	5.2E-06	0.000745	4.06E-08
2311	494761.06	3860001.99	0.05979	0.06457	0.05303	0.06601	1.09E-04	5.5E-06	0.00028	7E-08	0.0004	1.34E-04	6.73318E-06	0.000344	3.94E-08	4.85E-04	0.000118	5.18E-06	0.000742	4.07E-08
2312	494811.06	3860001.99	0.05955	0.06433	0.05283	0.06584	1.09E-04	5.5E-06	0.00028	7E-08	0.00039	1.33E-04	6.70815E-06	0.000343	3.93E-08	4.83E-04	0.000117	5.16E-06	0.000739	4.06E-08
2313	494861.06	3860001.99	0.05932	0.06409	0.05263	0.06575	1.08E-04	5.5E-06	0.00028	7E-08	0.00039	1.33E-04	6.68312E-06	0.000342	3.92E-08	4.81E-04	0.000117	5.14E-06	0.000736	4.05E-08
2314	494911.06	3860001.99	0.05898	0.06351	0.05254	0.06469	1.08E-04	5.4E-06	0.00028	6.9E-08	0.00039	1.32E-04	6.62264E-06	0.000341	3.86E-08	4.80E-04	0.000116	5.09E-06	0.000735	3.99E-08

2315	494961.06	3860001.99	0.05875	0.06328	0.05234	0.06456	1.07E-04	5.4E-06	0.00028	6.9E-08	0.00039	1.31E-04	6.59866E-06	0.00034	3.85E-08	4.78E-04	0.000116	5.08E-06	0.000732	3.98E-08
2316	495011.06	3860001.99	0.05849	0.06301	0.05219	0.0641	1.07E-04	5.4E-06	0.00028	6.8E-08	0.00039	1.31E-04	6.5705E-06	0.000339	3.83E-08	4.76E-04	0.000115	5.05E-06	0.00073	3.95E-08
2317	495061.06	3860001.99	0.05826	0.06279	0.052	0.064	1.06E-04	5.3E-06	0.00028	6.8E-08	0.00039	1.30E-04	6.54756E-06	0.000338	3.82E-08	4.74E-04	0.000115	5.04E-06	0.000727	3.95E-08
2318	495111.06	3860001.99	0.058	0.06252	0.05186	0.06352	1.06E-04	5.3E-06	0.00028	6.8E-08	0.00039	1.30E-04	6.51941E-06	0.000337	3.79E-08	4.73E-04	0.000114	5.02E-06	0.000725	3.92E-08
2319	495161.06	3860001.99	0.05773	0.06224	0.05172	0.06305	1.05E-04	5.3E-06	0.00027	6.7E-08	0.00039	1.29E-04	6.49021E-06	0.000336	3.76E-08	4.71E-04	0.000114	4.99E-06	0.000724	3.89E-08
2320	495211.06	3860001.99	0.05751	0.06202	0.05154	0.06293	1.05E-04	5.3E-06	0.00027	6.7E-08	0.00038	1.28E-04	6.46727E-06	0.000335	3.76E-08	4.70E-04	0.000113	4.98E-06	0.000721	3.88E-08
2321	495261.06	3860001.99	0.05726	0.06175	0.0514	0.0625	1.04E-04	5.3E-06	0.00027	6.7E-08	0.00038	1.28E-04	6.43912E-06	0.000334	3.73E-08	4.68E-04	0.000113	4.95E-06	0.000719	3.85E-08
2322	495311.06	3860001.99	0.05702	0.06151	0.05125	0.06222	1.04E-04	5.2E-06	0.00027	6.6E-08	0.00038	1.27E-04	6.41409E-06	0.000333	3.71E-08	4.67E-04	0.000112	4.93E-06	0.000717	3.84E-08
2323	495361.06	3860001.99	0.05673	0.06119	0.05115	0.06152	1.03E-04	5.2E-06	0.00027	6.6E-08	0.00038	1.27E-04	6.38072E-06	0.000332	3.67E-08	4.65E-04	0.000112	4.91E-06	0.000716	3.79E-08
2324	495411.06	3860001.99	0.05652	0.06099	0.05096	0.0615	1.03E-04	5.2E-06	0.00027	6.6E-08	0.00038	1.26E-04	6.35986E-06	0.000331	3.67E-08	4.64E-04	0.000111	4.89E-06	0.000713	3.79E-08
2325	495461.06	3860001.99	0.05628	0.06073	0.05082	0.06114	1.03E-04	5.2E-06	0.00027	6.5E-08	0.00038	1.26E-04	6.33275E-06	0.00033	3.65E-08	4.62E-04	0.000111	4.87E-06	0.000711	3.77E-08
2326	495511.06	3860001.99	0.05604	0.06048	0.05067	0.06081	1.02E-04	5.1E-06	0.00027	6.5E-08	0.00038	1.25E-04	6.30668E-06	0.000329	3.63E-08	4.61E-04	0.00011	4.85E-06	0.000709	3.75E-08
2327	495561.06	3860001.99	0.05583	0.06025	0.0505	0.06066	1.02E-04	5.1E-06	0.00027	6.5E-08	0.00038	1.25E-04	6.2827E-06	0.000328	3.62E-08	4.59E-04	0.00011	4.83E-06	0.000706	3.74E-08
2328	495611.06	3860001.99	0.05557	0.05978	0.05039	0.06016	1.01E-04	5.1E-06	0.00027	6.4E-08	0.00037	1.24E-04	6.23369E-06	0.000327	3.59E-08	4.58E-04	0.000109	4.8E-06	0.000705	3.71E-08
2329	495661.06	3860001.99	0.05531	0.05949	0.05027	0.05969	1.01E-04	5.1E-06	0.00027	6.4E-08	0.00037	1.24E-04	6.20345E-06	0.000327	3.56E-08	4.56E-04	0.000109	4.77E-06	0.000703	3.68E-08
2330	494411.06	3860051.99	0.06052	0.06512	0.05353	0.06747	1.10E-04	5.5E-06	0.00028	7.2E-08	0.0004	1.35E-04	6.79053E-06	0.000348	4.03E-08	4.90E-04	0.000119	5.22E-06	0.000749	4.16E-08
2331	494461.06	3860051.99	0.06027	0.06488	0.05334	0.06708	1.10E-04	5.5E-06	0.00028	7.2E-08	0.0004	1.35E-04	6.7655E-06	0.000346	4E-08	4.88E-04	0.000119	5.2E-06	0.000746	4.14E-08
2332	494511.06	3860051.99	0.06003	0.06465	0.05315	0.06674	1.09E-04	5.5E-06	0.00028	7.1E-08	0.0004	1.34E-04	6.74152E-06	0.000345	3.98E-08	4.86E-04	0.000118	5.19E-06	0.000744	4.11E-08
2333	494561.06	3860051.99	0.05983	0.06441	0.05292	0.0669	1.09E-04	5.5E-06	0.00028	7.1E-08	0.0004	1.34E-04	6.71649E-06	0.000344	3.99E-08	4.84E-04	0.000118	5.17E-06	0.00074	4.12E-08
2334	494611.06	3860051.99	0.0596	0.06418	0.05271	0.06674	1.09E-04	5.5E-06	0.00028	7.1E-08	0.00039	1.33E-04	6.69251E-06	0.000342	3.98E-08	4.82E-04	0.000117	5.15E-06	0.000737	4.11E-08
2335	494661.06	3860051.99	0.05936	0.06394	0.05252	0.06651	1.08E-04	5.4E-06	0.00028	7.1E-08	0.00039	1.33E-04	6.66748E-06	0.000341	3.97E-08	4.80E-04	0.000117	5.13E-06	0.000735	4.1E-08
2336	494711.06	3860051.99	0.05909	0.06371	0.05237	0.06581	1.08E-04	5.4E-06	0.00028	7E-08	0.00039	1.32E-04	6.6435E-06	0.00034	3.93E-08	4.79E-04	0.000116	5.11E-06	0.000733	4.06E-08
2337	494761.06	3860051.99	0.05886	0.06348	0.05217	0.06562	1.07E-04	5.4E-06	0.00028	7E-08	0.00039	1.31E-04	6.61951E-06	0.000339	3.92E-08	4.77E-04	0.000116	5.09E-06	0.00073	4.05E-08
2338	494811.06	3860051.99	0.05864	0.06324	0.05196	0.06561	1.07E-04	5.4E-06	0.00028	7E-08	0.00039	1.31E-04	6.59449E-06	0.000337	3.92E-08	4.75E-04	0.000115	5.07E-06	0.000727	4.05E-08
2339	494861.06	3860051.99	0.05841	0.063	0.05176	0.06555	1.06E-04	5.4E-06	0.00028	7E-08	0.00039	1.30E-04	6.56946E-06	0.000336	3.91E-08	4.73E-04	0.000115	5.05E-06	0.000724	4.04E-08
2340	494911.06	3860051.99	0.05816	0.06277	0.0516	0.06501	1.06E-04	5.3E-06	0.00027	6.9E-08	0.00039	1.30E-04	6.54548E-06	0.000335	3.88E-08	4.72E-04	0.000115	5.04E-06	0.000722	4.01E-08
2341	494961.06	3860051.99	0.0579	0.06254	0.05145	0.06444	1.06E-04	5.3E-06	0.00027	6.9E-08	0.00038	1.29E-04	6.52149E-06	0.000334	3.85E-08	4.70E-04	0.000114	5.02E-06	0.00072	3.97E-08
2342	495011.06	3860051.99	0.05764	0.06231	0.0513	0.06395	1.05E-04	5.3E-06	0.00027	6.8E-08	0.00038	1.29E-04	6.49751E-06	0.000333	3.82E-08	4.68E-04	0.000114	5E-06	0.000718	3.94E-08
2343	495061.06	3860051.99	0.05739	0.06207	0.05113	0.06359	1.05E-04	5.3E-06	0.00027	6.8E-08	0.00038	1.28E-04	6.47248E-06	0.000332	3.8E-08	4.67E-04	0.000113	4.98E-06	0.000715	3.92E-08
2344	495111.06	3860051.99	0.05713	0.06184	0.051	0.06304	1.04E-04	5.3E-06	0.00027	6.7E-08	0.00038	1.28E-04	6.4485E-06	0.000331	3.76E-08	4.65E-04	0.000113	4.96E-06	0.000713	3.89E-08
2345	495161.06	3860051.99	0.05689	0.0616	0.05084	0.0627	1.04E-04	5.2E-06	0.00027	6.7E-08	0.00038	1.27E-04	6.42347E-06	0.00033	3.74E-08	4.64E-04	0.000112	4.94E-06	0.000711	3.87E-08
2346	495211.06	3860051.99	0.05664	0.06107	0.0507	0.06227	1.03E-04	5.2E-06	0.00027	6.6E-08	0.00038	1.27E-04	6.36821E-06	0.000329	3.72E-08	4.62E-04	0.000112	4.9E-06	0.000709	3.84E-08
2347	495261.06	3860051.99	0.05641	0.06084	0.05053	0.06204	1.03E-04	5.2E-06	0.00027	6.6E-08	0.00038	1.26E-04	6.34422E-06	0.000328	3.7E-08	4.61E-04	0.000111	4.88E-06	0.000707	3.83E-08
2348	495311.06	3860051.99	0.05619	0.06062	0.05036	0.06187	1.02E-04	5.2E-06	0.00027	6.6E-08	0.00038	1.26E-04	6.32128E-06	0.000327	3.69E-08	4.59E-04	0.000111	4.86E-06	0.000704	3.81E-08
2349	495361.06	3860051.99	0.05596	0.06039	0.05021	0.06161	1.02E-04	5.1E-06	0.00027	6.6E-08	0.00037	1.25E-04	6.2973E-06	0.000326	3.68E-08	4.57E-04	0.00011	4.84E-06	0.000702	3.8E-08
2350	495411.06	3860051.99	0.05573	0.06015	0.05006	0.0613	1.02E-04	5.1E-06	0.00027	6.5E-08	0.00037	1.24E-04	6.27227E-06	0.000325	3.66E-08	4.56E-04	0.00011	4.83E-06	0.0007	3.78E-08
2351	495461.06	3860051.99	0.05549	0.0599	0.04993	0.06092	1.01E-04	5.1E-06	0.00027	6.5E-08	0.00037	1.24E-04	6.2462E-06	0.000324	3.64E-08	4.55E-04	0.000109	4.81E-06	0.000698	3.76E-08
2352	495511.06	3860051.99	0.05528	0.05967	0.04977	0.06071	1.01E-04	5.1E-06	0.00026	6.5E-08	0.00037	1.23E-04	6.22222E-06	0.000323	3.62E-08	4.53E-04	0.000109	4.79E-06	0.000696	3.74E-08
2353	495561.06	3860051.99	0.05505	0.05943	0.04963	0.0604	1.00E-04	5.1E-06	0.00026	6.4E-08	0.00037	1.23E-04	6.19719E-06	0.000322	3.6E-08	4.52E-04	0.000108	4.77E-06	0.000694	3.72E-08
2354	495611.06	3860051.99	0.05482	0.05918	0.04951	0.06001	9.99E-05	5E-06	0.00026	6.4E-08	0.00037	1.22E-04	6.17112E-06	0.000322	3.58E-08	4.50E-04	0.000108	4.75E-06	0.000693	3.7E-08
2355	495661.06	3860051.99	0.05457	0.0589	0.04941	0.05947	9.95E-05	5E-06	0.00026	6.3E-08	0.00037	1.22E-04	6.14193E-06	0.000321	3.55E-08	4.49E-04	0.000107	4.72E-06	0.000691	3.67E-08
2356	494411.06	3860101.99	0.05948	0.06397	0.05272	0.06655	1.08E-04	5.4E-06	0.00028	7.1E-08	0.00039	1.33E-04	6.67061E-06	0.000342	3.97E-08	4.82E-04	0.000117	5.13E-06	0.000737	4.1E-08
2357	494461.06	3860101.99	0.05928	0.06373	0.0525	0.06662	1.08E-04	5.4E-06	0.00028	7.1E-08	0.00039	1.32E-04	6.64558E-06	0.000341	3.98E-08	4.80E-04	0.000117	5.11E-06	0.000734	4.11E-08
2358	494511.06	3860101.99	0.05903	0.06352	0.05234	0.06604	1.08E-04	5.4E-06	0.00028	7E-08	0.00039	1.32E-04	6.62369E-06	0.00034	3.94E-08	4.78E-04	0.000116	5.1E-06	0.000732	4.07E-08
2359	494561.06	3860101.99	0.05881	0.0633	0.05213	0.06594	1.07E-04	5.4E-06	0.00028	7E-08	0.00039	1.31E-04	6.60075E-06	0.000339	3.94E-08	4.77E-04	0.000116	5.08E-06	0.000729	4.07E-08
2360	494611.06	3860101.99	0.05861	0.06304	0.0519	0.06605	1.07E-04	5.4E-06	0.00028	7E-08	0.00039	1.31E-04	6.57363E-06	0.000337	3.94E-08	4.75E-04	0.000115	5.06E-06	0.000726	4.07E-08
2361	494661.06	3860101.99	0.05838	0.06281	0.0517	0.06589	1.06E-04	5.3E-06	0.00027	7E-08	0.00039	1.30E-04	6.54965E-06	0.000336	3.93E-08	4.73E-04	0.000115	5.04E-06	0.000723	4.06E-08
2362	494711.06	3860101.99	0.05814	0.06261	0.05154	0.06533	1.06E-04	5.3E-06	0.00027	7E-08	0.00039	1.30E-04	6.52879E-06	0.000335	3.9E-08	4.71E-04	0.000115	5.02E-06	0.000721	4.03E-08
2363	494761.06	3860101.99	0.05791	0.06238	0.05135	0.06512	1.06E-04	5.3E-06	0.00027	6.9E-08	0.00038	1.29E-04	6.50481E-06	0.000334	3.89E-08	4.69E-04	0.000114	5E-06	0.000718	4.02E-08
2364	494811.06	3860101.99	0.05769	0.06215	0.05116	0.06494	1.05E-04	5.3E-06	0.00027	6.9E-08	0.00038	1.29E-04	6.48083E-06	0.000332	3.88E-08	4.68E-04	0.000114	4.99E-06	0.000716	4E-08
2365	494861.06	3860101.99	0.05745	0.06185	0.0509	0.06529	1.05E-04	5.3E-06	0.00027	7E-08	0.00038	1.28E-04	6.44954E-06	0.000331	3.9E-08	4.65E-04	0.000113	4.96E-06	0.000712	4.03E-08
2366	494911.06	3860101.99	0.05721	0.06172	0.05082	0.06417	1.04E-04	5.3E-06	0.00027	6.8E-08	0.00038	1.28E-04	6.43599E-06	0.00033	3.83E-08	4.64E-04	0.000113	4.95E-06	0.000711	3.96E-08
2367	494961.06	3860101.99	0.05699	0.0615	0.05064	0.06391	1.04E-04	5.2E-06	0.00027	6.8E-08	0.00038	1.27E-04	6.41305E-06	0.000329	3.81E-08	4.63E-04	0.000112	4.93E-06	0.000708	3.94E-08
2368	495011.06	3860101.99	0.05675	0.06128	0.05048	0.06346	1.03E-04	5.2E-06	0.00027	6.8E-08	0.00038	1.27E-04	6.39011E-06	0.000328	3.79E-08	4.61E-04	0.000112	4.92E-06	0.000706	3.91E-08
2369	495061.06	3860101.99	0.05651	0.06105	0.05033	0.06305	1.03E-04	5.2E-06	0.00027	6.7E-08	0.00038	1.26E-04	6.36612E-06	0.000327	3.76E-08	4.60E-04	0.000111	4.9E-06	0.000704	3.89E-08
2370	495111.06	3860101.99	0.05626	0.06083	0.05018	0.06251	1.03E-04	5.2E-06	0.00027	6.7E-08	0.00037	1.26E-04	6.34318E-06	0.000326	3.73E-08	4.58E-04	0.000111	4.88E-06	0.000702	3.85E-08
2371	495161.06	3860101.99	0.05604	0.06061	0.05001	0.06231	1.02E-04	5.2E-06	0.00027	6.6E-08	0.00037	1.25E-04	6.32024E-06	0.000325	3.72E-08	4.56E-04	0.00011	4.86E-06	0.0007	3.84E-08
2372	495211.06	3860101.99	0.05581	0.06039	0.04985	0.06198	1.02E-04	5.1E-06	0.00026	6.6E-08	0.00037	1.25E-04	6.2973E-06	0.000324	3.7E-08	4.55E-04	0.00011	4.84E-06	0.000697	3.82E-08
2373	495261.06	3860101.99	0.05558	0.06016	0.0497	0.06166	1.01E-04	5.1E-06	0.00026	6.6E-08	0.00037	1.24E-04	6.27331E-06	0.000323	3.68E-08	4.53E-04	0.000109	4.83E-06	0.000695	3.8E-08
2374	495311.06	3860101.99	0.05536	0.05994	0.04954	0.06139	1.01E-04	5.1E-06	0.00026	6.5E-08	0.00037	1.24E-04	6.25037E-06	0.000322	3.66E-08	4.52E-04	0.000109	4.81E-06	0.000693	3.79E-08
2375	495361.06	3860101.99	0.05515	0.05973	0.04936	0.06124	1.01E-04	5.1E-06	0.00026	6.5E-08	0.00037	1.23E-04	6.22848E-06	0.000321	3.66E-08	4.50E-04	0.000109	4.79E-06	0.00069	3.78E-08

2376	495411.06	3860101.99	0.05492	0.05951	0.04922	0.06091	1.00E-04	5.1E-06	0.00026	6.5E-08	0.00037	1.23E-04	6.20553E-06	0.00032	3.64E-08	4.49E-04	0.000108	4.77E-06	0.000689	3.76E-08
2377	495461.06	3860101.99	0.05468	0.05902	0.04911	0.06039	9.97E-05	5E-06	0.00026	6.4E-08	0.00037	1.22E-04	6.15444E-06	0.000319	3.6E-08	4.47E-04	0.000108	4.73E-06	0.000687	3.72E-08
2378	495511.06	3860101.99	0.05447	0.05881	0.04894	0.06026	9.93E-05	5E-06	0.00026	6.4E-08	0.00036	1.22E-04	6.13254E-06	0.000318	3.6E-08	4.46E-04	0.000107	4.72E-06	0.000685	3.72E-08
2379	495561.06	3860101.99	0.05426	0.05886	0.04877	0.06011	9.89E-05	5E-06	0.00026	6.4E-08	0.00036	1.21E-04	6.13775E-06	0.000317	3.59E-08	4.44E-04	0.000107	4.72E-06	0.000682	3.71E-08
2380	495611.06	3860101.99	0.05403	0.05834	0.04867	0.05959	9.85E-05	5E-06	0.00026	6.4E-08	0.00036	1.21E-04	6.08353E-06	0.000316	3.56E-08	4.43E-04	0.000106	4.68E-06	0.000681	3.67E-08
2381	495661.06	3860101.99	0.05381	0.05812	0.04853	0.0593	9.81E-05	4.9E-06	0.00026	6.3E-08	0.00036	1.20E-04	6.06059E-06	0.000315	3.54E-08	4.42E-04	0.000106	4.66E-06	0.000679	3.66E-08
2382	494861.06	3860151.99	0.05646	0.06067	0.05005	0.06486	1.03E-04	5.2E-06	0.00027	6.9E-08	0.00037	1.26E-04	6.3265E-06	0.000325	3.87E-08	4.58E-04	0.000111	4.87E-06	0.0007	4E-08
2383	494911.06	3860151.99	0.05628	0.06063	0.05001	0.06377	1.03E-04	5.2E-06	0.00027	6.8E-08	0.00037	1.26E-04	6.32233E-06	0.000325	3.81E-08	4.57E-04	0.000111	4.86E-06	0.0007	3.93E-08
2384	494961.06	3860151.99	0.05607	0.06044	0.04985	0.06339	1.02E-04	5.1E-06	0.00026	6.8E-08	0.00037	1.25E-04	6.30251E-06	0.000324	3.78E-08	4.55E-04	0.00011	4.85E-06	0.000697	3.91E-08
2385	495011.06	3860151.99	0.05585	0.06024	0.0497	0.06297	1.02E-04	5.1E-06	0.00026	6.7E-08	0.00037	1.25E-04	6.28166E-06	0.000323	3.76E-08	4.54E-04	0.00011	4.83E-06	0.000695	3.88E-08
2386	495061.06	3860151.99	0.05563	0.06004	0.04954	0.06255	1.01E-04	5.1E-06	0.00026	6.7E-08	0.00037	1.24E-04	6.2608E-06	0.000322	3.73E-08	4.52E-04	0.00011	4.82E-06	0.000693	3.86E-08
2387	495111.06	3860151.99	0.05541	0.05983	0.04938	0.06222	1.01E-04	5.1E-06	0.00026	6.6E-08	0.00037	1.24E-04	6.2389E-06	0.000321	3.71E-08	4.51E-04	0.000109	4.8E-06	0.000691	3.84E-08
2388	495161.06	3860151.99	0.05519	0.05962	0.04921	0.06194	1.01E-04	5.1E-06	0.00026	6.6E-08	0.00037	1.23E-04	6.21701E-06	0.00032	3.7E-08	4.49E-04	0.000109	4.78E-06	0.000688	3.82E-08
2389	495211.06	3860151.99	0.05497	0.05941	0.04906	0.06159	1.00E-04	5.1E-06	0.00026	6.6E-08	0.00037	1.23E-04	6.19511E-06	0.000319	3.68E-08	4.48E-04	0.000108	4.77E-06	0.000686	3.8E-08
2390	495261.06	3860151.99	0.05476	0.0592	0.0489	0.06134	9.98E-05	5E-06	0.00026	6.5E-08	0.00036	1.22E-04	6.17321E-06	0.000318	3.66E-08	4.46E-04	0.000108	4.75E-06	0.000684	3.78E-08
2391	495311.06	3860151.99	0.05454	0.05898	0.04874	0.06107	9.94E-05	5E-06	0.00026	6.5E-08	0.00036	1.22E-04	6.15027E-06	0.000317	3.64E-08	4.45E-04	0.000107	4.73E-06	0.000682	3.77E-08
2392	495361.06	3860151.99	0.05433	0.05877	0.04858	0.06083	9.90E-05	5E-06	0.00026	6.5E-08	0.00036	1.21E-04	6.12837E-06	0.000316	3.63E-08	4.43E-04	0.000107	4.71E-06	0.00068	3.75E-08
2393	495411.06	3860151.99	0.05411	0.05856	0.04843	0.06053	9.86E-05	5E-06	0.00026	6.5E-08	0.00036	1.21E-04	6.10647E-06	0.000315	3.61E-08	4.42E-04	0.000107	4.7E-06	0.000677	3.73E-08
2394	495461.06	3860151.99	0.0539	0.05835	0.04827	0.06024	9.83E-05	5E-06	0.00026	6.4E-08	0.00036	1.20E-04	6.08457E-06	0.000314	3.6E-08	4.40E-04	0.000106	4.68E-06	0.000675	3.71E-08
2395	495511.06	3860151.99	0.05368	0.05814	0.04814	0.05988	9.78E-05	4.9E-06	0.00026	6.4E-08	0.00036	1.20E-04	6.06267E-06	0.000313	3.57E-08	4.39E-04	0.000106	4.66E-06	0.000673	3.69E-08
2396	495561.06	3860151.99	0.05347	0.05794	0.04798	0.05965	9.75E-05	4.9E-06	0.00025	6.4E-08	0.00036	1.19E-04	6.04182E-06	0.000312	3.56E-08	4.37E-04	0.000105	4.65E-06	0.000671	3.68E-08
2397	495611.06	3860151.99	0.05325	0.05773	0.04785	0.05931	9.71E-05	4.9E-06	0.00025	6.3E-08	0.00036	1.19E-04	6.01992E-06	0.000311	3.54E-08	4.36E-04	0.000105	4.63E-06	0.000669	3.66E-08
2398	495661.06	3860151.99	0.05303	0.05752	0.04773	0.05892	9.67E-05	4.9E-06	0.00025	6.3E-08	0.00036	1.18E-04	5.99802E-06	0.00031	3.52E-08	4.35E-04	0.000104	4.61E-06	0.000668	3.63E-08
2399	495718.25	3859442.96	0.05863	0.06522	0.05556	0.0565	1.07E-04	5.5E-06	0.0003	6E-08	0.00041	1.31E-04	6.80096E-06	0.000361	3.37E-08	4.99E-04	0.000115	5.23E-06	0.000777	3.48E-08
2400	495818.25	3859442.96	0.05766	0.06426	0.05481	0.05542	1.05E-04	5.5E-06	0.00029	5.9E-08	0.0004	1.29E-04	6.70085E-06	0.000356	3.31E-08	4.92E-04	0.000114	5.15E-06	0.000767	3.42E-08
2401	495918.25	3859442.96	0.05695	0.06358	0.05426	0.05473	1.04E-04	5.4E-06	0.00029	5.8E-08	0.0004	1.27E-04	6.62994E-06	0.000352	3.27E-08	4.86E-04	0.000112	5.1E-06	0.000759	3.37E-08
2402	496018.25	3859442.96	0.05634	0.063	0.05379	0.05418	1.03E-04	5.4E-06	0.00029	5.8E-08	0.00039	1.26E-04	6.56946E-06	0.000349	3.23E-08	4.82E-04	0.000111	5.05E-06	0.000752	3.34E-08
2403	496118.25	3859442.96	0.05654	0.06333	0.054	0.05484	1.03E-04	5.4E-06	0.00029	5.9E-08	0.0004	1.26E-04	6.60387E-06	0.000351	3.27E-08	4.84E-04	0.000111	5.08E-06	0.000755	3.38E-08
2404	496218.25	3859442.96	0.0566	0.06349	0.05408	0.05532	1.03E-04	5.4E-06	0.00029	5.9E-08	0.0004	1.26E-04	6.62056E-06	0.000351	3.3E-08	4.84E-04	0.000111	5.09E-06	0.000757	3.41E-08
2405	496318.25	3859442.96	0.05607	0.06297	0.0537	0.05485	1.02E-04	5.4E-06	0.00029	5.9E-08	0.00039	1.25E-04	6.56633E-06	0.000349	3.27E-08	4.81E-04	0.00011	5.05E-06	0.000751	3.38E-08
2406	496418.25	3859442.96	0.0555	0.0624	0.05327	0.05431	1.01E-04	5.3E-06	0.00028	5.8E-08	0.00039	1.24E-04	6.5069E-06	0.000346	3.24E-08	4.77E-04	0.000109	5.01E-06	0.000745	3.35E-08
2407	495718.25	3859542.96	0.05874	0.06461	0.05523	0.05757	1.07E-04	5.5E-06	0.00029	6.1E-08	0.00041	1.31E-04	6.73735E-06	0.000359	3.44E-08	4.97E-04	0.000116	5.18E-06	0.000773	3.55E-08
2408	495818.25	3859542.96	0.05805	0.06398	0.05469	0.05684	1.06E-04	5.4E-06	0.00029	6.1E-08	0.0004	1.30E-04	6.67165E-06	0.000355	3.39E-08	4.92E-04	0.000114	5.13E-06	0.000765	3.5E-08
2409	495918.25	3859542.96	0.05723	0.0632	0.05405	0.05588	1.04E-04	5.4E-06	0.00029	6E-08	0.0004	1.28E-04	6.59032E-06	0.000351	3.34E-08	4.86E-04	0.000113	5.07E-06	0.000756	3.45E-08
2410	496018.25	3859542.96	0.05651	0.06254	0.0535	0.05512	1.03E-04	5.3E-06	0.00028	5.9E-08	0.00039	1.26E-04	6.52149E-06	0.000347	3.29E-08	4.80E-04	0.000111	5.02E-06	0.000748	3.4E-08
2411	496118.25	3859542.96	0.0566	0.06276	0.05357	0.05573	1.03E-04	5.3E-06	0.00028	5.9E-08	0.00039	1.26E-04	6.54444E-06	0.000348	3.33E-08	4.81E-04	0.000111	5.03E-06	0.000749	3.44E-08
2412	496218.25	3859542.96	0.05646	0.06272	0.05346	0.05597	1.03E-04	5.3E-06	0.00028	6E-08	0.00039	1.26E-04	6.54026E-06	0.000347	3.34E-08	4.80E-04	0.000111	5.03E-06	0.000748	3.45E-08
2413	496318.25	3859542.96	0.05618	0.06251	0.05325	0.05595	1.02E-04	5.3E-06	0.00028	6E-08	0.00039	1.25E-04	6.51837E-06	0.000346	3.34E-08	4.78E-04	0.000111	5.01E-06	0.000745	3.45E-08
2414	496418.25	3859542.96	0.05547	0.06184	0.05272	0.05512	1.01E-04	5.3E-06	0.00028	5.9E-08	0.00039	1.24E-04	6.4485E-06	0.000342	3.29E-08	4.73E-04	0.000109	4.96E-06	0.000737	3.4E-08
2415	495718.25	3859642.96	0.05833	0.06351	0.0545	0.05817	1.06E-04	5.4E-06	0.00029	6.2E-08	0.0004	1.30E-04	6.62264E-06	0.000354	3.47E-08	4.91E-04	0.000115	5.09E-06	0.000762	3.59E-08
2416	495818.25	3859642.96	0.0576	0.06282	0.05394	0.05726	1.05E-04	5.3E-06	0.00029	6.1E-08	0.0004	1.29E-04	6.55069E-06	0.00035	3.42E-08	4.86E-04	0.000113	5.04E-06	0.000755	3.53E-08
2417	495918.25	3859642.96	0.05708	0.06236	0.05352	0.05678	1.04E-04	5.3E-06	0.00028	6.1E-08	0.00039	1.28E-04	6.50272E-06	0.000348	3.39E-08	4.82E-04	0.000112	5E-06	0.000749	3.5E-08
2418	496018.25	3859642.96	0.05641	0.06174	0.053	0.05601	1.03E-04	5.3E-06	0.00028	6E-08	0.00039	1.26E-04	6.43807E-06	0.000344	3.34E-08	4.77E-04	0.000111	4.95E-06	0.000741	3.45E-08
2419	496118.25	3859642.96	0.05651	0.06195	0.05301	0.05678	1.03E-04	5.3E-06	0.00028	6.1E-08	0.00039	1.26E-04	6.45997E-06	0.000344	3.39E-08	4.77E-04	0.000111	4.97E-06	0.000742	3.5E-08
2420	496218.25	3859642.96	0.05639	0.06191	0.05286	0.05714	1.03E-04	5.3E-06	0.00028	6.1E-08	0.00039	1.26E-04	6.4558E-06	0.000343	3.41E-08	4.76E-04	0.000111	4.97E-06	0.000739	3.52E-08
2421	496318.25	3859642.96	0.05583	0.06142	0.05244	0.05655	1.02E-04	5.2E-06	0.00028	6E-08	0.00039	1.25E-04	6.4047E-06	0.000341	3.38E-08	4.72E-04	0.00011	4.93E-06	0.000734	3.49E-08
2422	496418.25	3859642.96	0.05419	0.05978	0.05127	0.05378	9.88E-05	5.1E-06	0.00027	5.7E-08	0.00038	1.21E-04	6.23369E-06	0.000333	3.21E-08	4.60E-04	0.000107	4.8E-06	0.000717	3.32E-08
2423	495718.25	3859742.96	0.05791	0.06256	0.05369	0.05922	1.06E-04	5.3E-06	0.00029	6.3E-08	0.0004	1.29E-04	6.52358E-06	0.000349	3.53E-08	4.85E-04	0.000114	5.02E-06	0.000751	3.65E-08
2424	495818.25	3859742.96	0.05716	0.06183	0.05315	0.05811	1.04E-04	5.3E-06	0.00028	6.2E-08	0.00039	1.28E-04	6.44746E-06	0.000345	3.47E-08	4.79E-04	0.000113	4.96E-06	0.000744	3.58E-08
2425	495918.25	3859742.96	0.05656	0.06126	0.05269	0.05738	1.03E-04	5.2E-06	0.00028	6.1E-08	0.00039	1.26E-04	6.38802E-06	0.000342	3.42E-08	4.75E-04	0.000111	4.91E-06	0.000737	3.54E-08
2426	496018.25	3859742.96	0.05593	0.06065	0.05221	0.05656	1.02E-04	5.2E-06	0.00028	6E-08	0.00038	1.25E-04	6.32441E-06	0.000339	3.38E-08	4.70E-04	0.00011	4.87E-06	0.00073	3.49E-08
2427	496118.25	3859742.96	0.05586	0.06064	0.05206	0.0571	1.02E-04	5.2E-06	0.00028	6.1E-08	0.00038	1.25E-04	6.32337E-06	0.000338	3.41E-08	4.69E-04	0.00011	4.86E-06	0.000728	3.52E-08
2428	496218.25	3859742.96	0.05587	0.0607	0.05194	0.05787	1.02E-04	5.2E-06	0.00028	6.2E-08	0.00038	1.25E-04	6.32962E-06	0.000337	3.45E-08	4.69E-04	0.00011	4.87E-06	0.000727	3.57E-08
2429	496318.25	3859742.96	0.05467	0.05954	0.05116	0.0556	9.97E-05	5.1E-06	0.00027	5.9E-08	0.00038	1.22E-04	6.20866E-06	0.000332	3.32E-08	4.61E-04	0.000108	4.78E-06	0.000716	3.43E-08
2430	496418.25	3859742.96	0.05349	0.05842	0.05036	0.05361	9.75E-05	5E-06	0.00027	5.7E-08	0.00037	1.19E-04	6.09187E-06	0.000327	3.2E-08	4.53E-04	0.000105	4.69E-06	0.000704	3.31E-08
2431	495718.25	3859842.96	0.05701	0.06134	0.05248	0.05957	1.04E-04	5.2E-06	0.00028	6.4E-08	0.00039	1.27E-04	6.39636E-06	0.000341	3.56E-08	4.75E-04	0.000112	4.92E-06	0.000734	3.67E-08
2432	495818.25	3859842.96	0.05645	0.06076	0.05209	0.05883	1.03E-04	5.2E-06	0.00028	6.3E-08	0.00038	1.26E-04	6.33588E-06	0.000338	3.51E-08	4.71E-04	0.000111	4.87E-06	0.000729	3.63E-08
2433	495918.25	3859842.96	0.05588	0.06018	0.05168	0.05805	1.02E-04	5.1E-06	0.00027	6.2E-08	0.00038	1.25E-04	6.2754E-06	0.000336	3.46E-08	4.67E-04	0.00011	4.83E-06	0.000723	3.58E-08
2434	496018.25	3859842.96	0.05546	0.05976	0.05133	0.0577	1.01E-04	5.1E-06	0.00027	6.2E-08	0.00038	1.24E-04	6.2316E-06	0.000333	3.44E-08	4.64E-04	0.000109	4.79E-06	0.000718	3.56E-08
2435	496118.25	3859842.96	0.05543	0.05978	0.05112	0.0586	1.01E-04	5.1E-06	0.00027	6.3E-08	0.00038	1.24E-04	6.23369E-06	0.000332	3.5E-08	4.62E-04	0.000109	4.8E-06	0.000715	3.61E-08
2436	496218.25	3859842.96	0.05448	0.0588	0.05057	0.05657	9.93E-05	5E-06	0.00027	6E-08	0.00037	1.22E-04	6.1315E-06	0.000328	3.38E-08	4.56E-04	0.000107	4.72E-06	0.000707	3.49E-08

2437	496318.25	3859842.96	0.05252	0.05682	0.04936	0.05245	9.57E-05	4.8E-06	0.00026	5.6E-08	0.00036	1.17E-04	5.92503E-06	0.000321	3.13E-08	4.44E-04	0.000103	4.56E-06	0.00069	3.23E-08
2438	496418.25	3859842.96	0.051	0.05526	0.04824	0.0499	9.30E-05	4.7E-06	0.00026	5.3E-08	0.00035	1.14E-04	5.76236E-06	0.000313	2.98E-08	4.33E-04	0.0001	4.43E-06	0.000675	3.08E-08
2439	495718.25	3859942.96	0.05584	0.06	0.05105	0.05949	1.02E-04	5.1E-06	0.00027	6.3E-08	0.00038	1.25E-04	6.25663E-06	0.000332	3.55E-08	4.63E-04	0.00011	4.81E-06	0.000714	3.67E-08
2440	495818.25	3859942.96	0.0553	0.05942	0.05071	0.05869	1.01E-04	5.1E-06	0.00027	6.3E-08	0.00038	1.24E-04	6.19615E-06	0.000329	3.5E-08	4.59E-04	0.000109	4.77E-06	0.000709	3.62E-08
2441	495918.25	3859942.96	0.05486	0.05895	0.05038	0.05822	1.00E-04	5E-06	0.00027	6.2E-08	0.00037	1.23E-04	6.14714E-06	0.000327	3.47E-08	4.56E-04	0.000108	4.73E-06	0.000705	3.59E-08
2442	496018.25	3859942.96	0.05461	0.0587	0.05005	0.05855	9.95E-05	5E-06	0.00027	6.2E-08	0.00037	1.22E-04	6.12107E-06	0.000325	3.49E-08	4.53E-04	0.000108	4.71E-06	0.0007	3.61E-08
2443	496118.25	3859942.96	0.05393	0.05797	0.0497	0.05711	9.83E-05	4.9E-06	0.00026	6.1E-08	0.00037	1.20E-04	6.04495E-06	0.000323	3.41E-08	4.49E-04	0.000106	4.65E-06	0.000695	3.52E-08
2444	496218.25	3859942.96	0.05285	0.05686	0.04915	0.05459	9.63E-05	4.8E-06	0.00026	5.8E-08	0.00036	1.18E-04	5.9292E-06	0.000319	3.26E-08	4.43E-04	0.000104	4.56E-06	0.000688	3.37E-08
2445	496318.25	3859942.96	0.05158	0.05556	0.04837	0.05197	9.40E-05	4.7E-06	0.00026	5.5E-08	0.00036	1.15E-04	5.79364E-06	0.000314	3.1E-08	4.35E-04	0.000102	4.46E-06	0.000677	3.2E-08
2446	496418.25	3859942.96	0.04967	0.05359	0.04704	0.04843	9.05E-05	4.6E-06	0.00025	5.2E-08	0.00035	1.11E-04	5.58821E-06	0.000306	2.89E-08	4.22E-04	9.78E-05	4.3E-06	0.000658	2.99E-08
2447	496856.82	3858864.83	0.04941	0.0543	0.04938	0.04624	9.01E-05	4.6E-06	0.00026	4.9E-08	0.00036	1.10E-04	5.66225E-06	0.000321	2.76E-08	4.37E-04	9.73E-05	4.36E-06	0.000691	2.85E-08
2448	496956.82	3858864.83	0.04869	0.05339	0.04872	0.04559	8.88E-05	4.5E-06	0.00026	4.9E-08	0.00035	1.09E-04	5.56736E-06	0.000316	2.72E-08	4.31E-04	9.59E-05	4.28E-06	0.000682	2.81E-08
2449	497056.82	3858864.83	0.04801	0.05252	0.0481	0.04497	8.75E-05	4.5E-06	0.00026	4.8E-08	0.00035	1.07E-04	5.47664E-06	0.000312	2.68E-08	4.25E-04	9.46E-05	4.21E-06	0.000673	2.77E-08
2450	497156.82	3858864.83	0.04714	0.05143	0.04728	0.04418	8.59E-05	4.4E-06	0.00025	4.7E-08	0.00034	1.05E-04	5.36298E-06	0.000307	2.64E-08	4.18E-04	9.28E-05	4.13E-06	0.000661	2.72E-08
2451	497256.82	3858864.83	0.04689	0.05106	0.04709	0.04396	8.55E-05	4.3E-06	0.00025	4.7E-08	0.00034	1.05E-04	5.32439E-06	0.000306	2.62E-08	4.16E-04	9.23E-05	4.1E-06	0.000659	2.71E-08
2452	496856.82	3858964.83	0.05039	0.05581	0.05017	0.04716	9.19E-05	4.7E-06	0.00027	5E-08	0.00036	1.13E-04	5.81971E-06	0.000326	2.81E-08	4.44E-04	9.92E-05	4.48E-06	0.000702	2.91E-08
2453	496956.82	3858964.83	0.04936	0.05455	0.04921	0.04619	9.00E-05	4.6E-06	0.00026	4.9E-08	0.00036	1.10E-04	5.68832E-06	0.00032	2.76E-08	4.36E-04	9.72E-05	4.38E-06	0.000688	2.85E-08
2454	497056.82	3858964.83	0.04859	0.0536	0.0485	0.04548	8.86E-05	4.6E-06	0.00026	4.9E-08	0.00035	1.09E-04	5.58926E-06	0.000315	2.71E-08	4.29E-04	9.57E-05	4.3E-06	0.000678	2.8E-08
2455	497156.82	3858964.83	0.04781	0.05263	0.04778	0.04472	8.71E-05	4.5E-06	0.00025	4.8E-08	0.00035	1.07E-04	5.48811E-06	0.00031	2.67E-08	4.23E-04	9.42E-05	4.22E-06	0.000668	2.76E-08
2456	497256.82	3858964.83	0.0482	0.05301	0.04822	0.04517	8.79E-05	4.5E-06	0.00026	4.8E-08	0.00035	1.08E-04	5.52773E-06	0.000313	2.7E-08	4.26E-04	9.49E-05	4.25E-06	0.000675	2.79E-08
2457	496856.82	3859064.83	0.05061	0.05628	0.0502	0.04742	9.23E-05	4.8E-06	0.00027	5.1E-08	0.00036	1.13E-04	5.86872E-06	0.000326	2.83E-08	4.45E-04	9.97E-05	4.51E-06	0.000702	2.92E-08
2458	496956.82	3859064.83	0.04979	0.05529	0.04946	0.04664	9.08E-05	4.7E-06	0.00026	5E-08	0.00036	1.11E-04	5.76548E-06	0.000321	2.78E-08	4.38E-04	9.81E-05	4.44E-06	0.000692	2.88E-08
2459	497056.82	3859064.83	0.04913	0.05448	0.04886	0.04602	8.96E-05	4.6E-06	0.00026	4.9E-08	0.00035	1.10E-04	5.68102E-06	0.000317	2.75E-08	4.33E-04	9.68E-05	4.37E-06	0.000684	2.84E-08
2460	497156.82	3859064.83	0.04856	0.05378	0.04835	0.04549	8.85E-05	4.6E-06	0.00026	4.9E-08	0.00035	1.08E-04	5.60803E-06	0.000314	2.72E-08	4.28E-04	9.56E-05	4.31E-06	0.000676	2.8E-08
2461	497256.82	3859064.83	0.04933	0.05461	0.04914	0.04633	8.99E-05	4.6E-06	0.00026	4.9E-08	0.00036	1.10E-04	5.69458E-06	0.000319	2.77E-08	4.35E-04	9.72E-05	4.38E-06	0.000687	2.86E-08
2462	496856.82	3859164.83	0.05026	0.05609	0.04969	0.04718	9.16E-05	4.8E-06	0.00026	5E-08	0.00036	1.12E-04	5.84891E-06	0.000323	2.82E-08	4.41E-04	9.9E-05	4.5E-06	0.000695	2.91E-08
2463	496956.82	3859164.83	0.0494	0.05504	0.0489	0.04633	9.00E-05	4.7E-06	0.00026	4.9E-08	0.00035	1.10E-04	5.73942E-06	0.000318	2.77E-08	4.34E-04	9.73E-05	4.42E-06	0.000684	2.86E-08
2464	497056.82	3859164.83	0.04907	0.05461	0.04863	0.04604	8.94E-05	4.6E-06	0.00026	4.9E-08	0.00035	1.10E-04	5.69458E-06	0.000316	2.75E-08	4.31E-04	9.66E-05	4.38E-06	0.00068	2.84E-08
2465	497156.82	3859164.83	0.04932	0.05485	0.04891	0.04638	8.99E-05	4.7E-06	0.00026	4.9E-08	0.00035	1.10E-04	5.7196E-06	0.000318	2.77E-08	4.34E-04	9.71E-05	4.4E-06	0.000684	2.86E-08
2466	497256.82	3859164.83	0.05027	0.0559	0.04984	0.04753	9.16E-05	4.8E-06	0.00026	5.1E-08	0.00036	1.12E-04	5.82909E-06	0.000324	2.84E-08	4.42E-04	9.9E-05	4.48E-06	0.000697	2.93E-08
2467	496856.82	3859264.83	0.04955	0.0555	0.04881	0.04658	9.03E-05	4.7E-06	0.00026	5E-08	0.00035	1.11E-04	5.78738E-06	0.000317	2.78E-08	4.34E-04	9.76E-05	4.45E-06	0.000683	2.87E-08
2468	496956.82	3859264.83	0.04943	0.05531	0.04875	0.04653	9.01E-05	4.7E-06	0.00026	5E-08	0.00035	1.10E-04	5.76757E-06	0.000317	2.78E-08	4.33E-04	9.74E-05	4.44E-06	0.000682	2.87E-08
2469	497056.82	3859264.83	0.04974	0.05561	0.04908	0.04697	9.07E-05	4.7E-06	0.00026	5E-08	0.00036	1.11E-04	5.79885E-06	0.000319	2.8E-08	4.36E-04	9.8E-05	4.46E-06	0.000687	2.9E-08
2470	497156.82	3859264.83	0.04994	0.05578	0.0493	0.04737	9.10E-05	4.7E-06	0.00026	5.1E-08	0.00036	1.12E-04	5.81658E-06	0.00032	2.83E-08	4.38E-04	9.84E-05	4.47E-06	0.00069	2.92E-08
2471	497256.82	3859264.83	0.05064	0.05652	0.04996	0.04835	9.23E-05	4.8E-06	0.00027	5.2E-08	0.00036	1.13E-04	5.89375E-06	0.000325	2.89E-08	4.44E-04	9.97E-05	4.53E-06	0.000699	2.98E-08
2472	497088.92	3858620.93	0.04523	0.04812	0.04579	0.04291	8.24E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.01782E-06	0.000297	2.56E-08	4.03E-04	8.91E-05	3.86E-06	0.000641	2.65E-08
2473	497138.92	3858620.93	0.04517	0.04802	0.04575	0.04284	8.23E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.00739E-06	0.000297	2.56E-08	4.03E-04	8.9E-05	3.85E-06	0.00064	2.64E-08
2474	497188.92	3858620.93	0.0448	0.04757	0.04522	0.04247	8.17E-05	4E-06	0.00024	4.5E-08	0.00033	1.00E-04	4.96047E-06	0.000294	2.53E-08	3.99E-04	8.82E-05	3.82E-06	0.000633	2.62E-08
2475	497238.92	3858620.93	0.04458	0.04729	0.04502	0.04225	8.13E-05	4E-06	0.00024	4.5E-08	0.00032	9.96E-05	4.93127E-06	0.000292	2.52E-08	3.97E-04	8.78E-05	3.79E-06	0.00063	2.61E-08
2476	497088.92	3858670.93	0.04522	0.0483	0.04554	0.04278	8.24E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.03659E-06	0.000296	2.55E-08	4.02E-04	8.91E-05	3.87E-06	0.000637	2.64E-08
2477	497138.92	3858670.93	0.0454	0.04846	0.04576	0.04292	8.28E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.05327E-06	0.000297	2.56E-08	4.04E-04	8.94E-05	3.89E-06	0.00064	2.65E-08
2478	497188.92	3858670.93	0.045	0.04799	0.04538	0.04256	8.20E-05	4.1E-06	0.00024	4.5E-08	0.00033	1.01E-04	5.00426E-06	0.000295	2.54E-08	4.00E-04	8.86E-05	3.85E-06	0.000635	2.62E-08
2479	497238.92	3858670.93	0.04492	0.04786	0.04533	0.04248	8.19E-05	4.1E-06	0.00024	4.5E-08	0.00033	1.00E-04	4.99071E-06	0.000294	2.54E-08	4.00E-04	8.85E-05	3.84E-06	0.000634	2.62E-08
2480	497088.92	3858720.93	0.04616	0.04963	0.04646	0.0435	8.41E-05	4.2E-06	0.00025	4.6E-08	0.00034	1.03E-04	5.17528E-06	0.000302	2.6E-08	4.10E-04	9.09E-05	3.98E-06	0.00065	2.68E-08
2481	497138.92	3858720.93	0.04508	0.04834	0.04537	0.04256	8.22E-05	4.1E-06	0.00024	4.5E-08	0.00033	1.01E-04	5.04076E-06	0.000295	2.54E-08	4.00E-04	8.88E-05	3.88E-06	0.000635	2.62E-08
2482	497188.92	3858720.93	0.04483	0.04803	0.04515	0.04234	8.17E-05	4.1E-06	0.00024	4.5E-08	0.00033	1.00E-04	5.00843E-06	0.000293	2.53E-08	3.98E-04	8.83E-05	3.85E-06	0.000632	2.61E-08
2483	497238.92	3858720.93	0.04539	0.04863	0.04576	0.0428	8.27E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.071E-06	0.000297	2.55E-08	4.04E-04	8.94E-05	3.9E-06	0.00064	2.64E-08
2484	497088.92	3858770.93	0.04638	0.05015	0.04661	0.04362	8.45E-05	4.3E-06	0.00025	4.7E-08	0.00034	1.04E-04	5.2295E-06	0.000303	2.6E-08	4.12E-04	9.13E-05	4.02E-06	0.000652	2.69E-08
2485	497138.92	3858770.93	0.04592	0.04958	0.04617	0.04321	8.37E-05	4.2E-06	0.00025	4.6E-08	0.00033	1.03E-04	5.17006E-06	0.0003	2.58E-08	4.08E-04	9.04E-05	3.98E-06	0.000646	2.66E-08
2486	497188.92	3858770.93	0.04562	0.04921	0.04603	0.04294	8.32E-05	4.2E-06	0.00024	4.6E-08	0.00033	1.02E-04	5.13148E-06	0.000299	2.56E-08	4.06E-04	8.98E-05	3.95E-06	0.000644	2.65E-08
2487	497238.92	3858770.93	0.04587	0.04942	0.04619	0.04315	8.36E-05	4.2E-06	0.00025	4.6E-08	0.00033	1.02E-04	5.15338E-06	0.0003	2.58E-08	4.08E-04	9.03E-05	3.96E-06	0.000646	2.66E-08
2488	497396.65	3858622.63	0.04631	0.04911	0.0469	0.04369	8.44E-05	4.2E-06	0.00025	4.7E-08	0.00034	1.03E-04	5.12105E-06	0.000305	2.61E-08	4.13E-04	9.12E-05	3.94E-06	0.000656	2.69E-08
2489	497496.65	3858622.63	0.04724	0.05009	0.04791	0.0445	8.61E-05	4.3E-06	0.00025	4.7E-08	0.00034	1.06E-04	5.22324E-06	0.000311	2.66E-08	4.22E-04	9.3E-05	4.02E-06	0.00067	2.74E-08
2490	497596.65	3858622.63	0.04901	0.05202	0.04984	0.0461	8.93E-05	4.4E-06	0.00026	4.9E-08	0.00036	1.09E-04	5.4245E-06	0.000324	2.75E-08	4.39E-04	9.65E-05	4.17E-06	0.000697	2.84E-08
2491	497696.65	3858622.63	0.04941	0.05242	0.05021	0.04656	9.01E-05	4.5E-06	0.00027	5E-08	0.00036	1.10E-04	5.46621E-06	0.000326	2.78E-08	4.42E-04	9.73E-05	4.21E-06	0.000702	2.87E-08
2492	497796.65	3858622.63	0.05041	0.05351	0.05124	0.04761	9.19E-05	4.6E-06	0.00027	5.1E-08	0.00037	1.13E-04	5.57987E-06	0.000333	2.84E-08	4.51E-04	9.93E-05	4.29E-06	0.000717	2.94E-08
2493	497896.65	3858622.63	0.05138	0.05459	0.05223	0.04868	9.37E-05	4.6E-06	0.00028	5.2E-08	0.00038	1.15E-04	5.69249E-06	0.000339	2.91E-08	4.60E-04	0.000101	4.38E-06	0.000731	3E-08
2494	497396.65	3858722.63	0.0474	0.05075	0.04792	0.04459	8.64E-05	4.3E-06	0.00025	4.8E-08	0.00035	1.06E-04	5.29207E-06	0.000311	2.66E-08	4.22E-04	9.34E-05	4.07E-06	0.00067	2.75E-08
2495	497496.65	3858722.63	0.04831	0.05169	0.04889	0.04544	8.81E-05	4.4E-06	0.00026	4.8E-08	0.00035	1.08E-04	5.39009E-06	0.000318	2.71E-08	4.31E-04	9.51E-05	4.15E-06	0.000684	2.8E-08
2496	497596.65	3858722.63	0.04988	0.05339	0.05053	0.04703	9.09E-05	4.5E-06	0.00027	5E-08	0.00036	1.11E-04	5.56736E-06	0.000328	2.81E-08	4.45E-04	9.82E-05	4.28E-06	0.000707	2.9E-08
2497	497696.65	3858722.63	0.0507	0.05424	0.05138	0.04792	9.24E-05	4.6E-06	0.00027	5.1E-08	0.00037	1.13E-04	5.65599E-06	0.000334	2.86E-08	4.53E-04	9.99E-05	4.35E-06	0.000719	2.95E-08

2498	497796.65	3858722.63	0.05106	0.05459	0.05178	0.04838	9.31E-05	4.6E-06	0.00028	5.2E-08	0.00037	1.14E-04	5.69249E-06	0.000336	2.89E-08	4.56E-04	0.000101	4.38E-06	0.000724	2.98E-08
2499	497896.65	3858722.63	0.05166	0.05522	0.05239	0.04913	9.42E-05	4.7E-06	0.00028	5.2E-08	0.00038	1.15E-04	5.75819E-06	0.00034	2.93E-08	4.61E-04	0.000102	4.43E-06	0.000733	3.03E-08
2500	497396.65	3858822.63	0.04798	0.05194	0.04834	0.04503	8.75E-05	4.4E-06	0.00026	4.8E-08	0.00035	1.07E-04	5.41616E-06	0.000314	2.69E-08	4.27E-04	9.45E-05	4.17E-06	0.000676	2.78E-08
2501	497496.65	3858822.63	0.04872	0.0527	0.04915	0.04581	8.88E-05	4.5E-06	0.00026	4.9E-08	0.00035	1.09E-04	5.49541E-06	0.000319	2.73E-08	4.34E-04	9.6E-05	4.23E-06	0.000688	2.82E-08
2502	497596.65	3858822.63	0.05054	0.05472	0.05113	0.04773	9.21E-05	4.7E-06	0.00027	5.1E-08	0.00037	1.13E-04	5.70605E-06	0.000332	2.85E-08	4.51E-04	9.95E-05	4.39E-06	0.000715	2.94E-08
2503	497696.65	3858822.63	0.05105	0.05517	0.05154	0.04837	9.31E-05	4.7E-06	0.00027	5.2E-08	0.00037	1.14E-04	5.75297E-06	0.000335	2.89E-08	4.55E-04	0.000101	4.43E-06	0.000721	2.98E-08
2504	497796.65	3858822.63	0.05142	0.05554	0.052	0.04884	9.37E-05	4.7E-06	0.00028	5.2E-08	0.00037	1.15E-04	5.79155E-06	0.000338	2.91E-08	4.58E-04	0.000101	4.46E-06	0.000727	3.01E-08
2505	497896.65	3858822.63	0.05243	0.05659	0.05294	0.0503	9.56E-05	4.8E-06	0.00028	5.4E-08	0.00038	1.17E-04	5.90105E-06	0.000344	3E-08	4.67E-04	0.000103	4.54E-06	0.000741	3.1E-08
2506	497396.65	3858922.63	0.04861	0.0532	0.04878	0.04563	8.86E-05	4.5E-06	0.00026	4.9E-08	0.00035	1.09E-04	5.54755E-06	0.000317	2.72E-08	4.31E-04	9.57E-05	4.27E-06	0.000682	2.81E-08
2507	497496.65	3858922.63	0.05012	0.05485	0.05032	0.04725	9.14E-05	4.7E-06	0.00027	5E-08	0.00036	1.12E-04	5.7196E-06	0.000327	2.82E-08	4.45E-04	9.87E-05	4.4E-06	0.000704	2.91E-08
2508	497596.65	3858922.63	0.05	0.05463	0.05025	0.04721	9.11E-05	4.6E-06	0.00027	5E-08	0.00036	1.12E-04	5.69666E-06	0.000326	2.82E-08	4.44E-04	9.85E-05	4.38E-06	0.000703	2.91E-08
2509	497696.65	3858922.63	0.05166	0.05647	0.05198	0.04927	9.42E-05	4.8E-06	0.00028	5.3E-08	0.00038	1.15E-04	5.88853E-06	0.000338	2.94E-08	4.59E-04	0.000102	4.53E-06	0.000727	3.04E-08
2510	497796.65	3858922.63	0.05237	0.05716	0.05258	0.05031	9.55E-05	4.9E-06	0.00028	5.4E-08	0.00038	1.17E-04	5.96048E-06	0.000342	3E-08	4.64E-04	0.000103	4.59E-06	0.000736	3.1E-08
2511	497896.65	3858922.63	0.05361	0.05851	0.05381	0.05219	9.77E-05	5E-06	0.00029	5.6E-08	0.00039	1.20E-04	6.10126E-06	0.00035	3.11E-08	4.75E-04	0.000106	4.69E-06	0.000753	3.22E-08
2512	497364.44	3858201.52	0.0443	0.04722	0.04491	0.04228	8.08E-05	4E-06	0.00024	4.5E-08	0.00032	9.90E-05	4.92397E-06	0.000292	2.52E-08	3.96E-04	8.72E-05	3.79E-06	0.000628	2.61E-08
2513	497414.44	3858201.52	0.0448	0.04781	0.04562	0.0427	8.17E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.00E-04	4.98549E-06	0.000296	2.55E-08	4.01E-04	8.82E-05	3.84E-06	0.000638	2.63E-08
2514	497464.44	3858201.52	0.04522	0.04831	0.04607	0.04301	8.24E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.03763E-06	0.000299	2.57E-08	4.05E-04	8.91E-05	3.88E-06	0.000644	2.65E-08
2515	497514.44	3858201.52	0.04537	0.04848	0.04604	0.04302	8.27E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.05536E-06	0.000299	2.57E-08	4.05E-04	8.94E-05	3.89E-06	0.000644	2.65E-08
2516	497564.44	3858201.52	0.04518	0.0483	0.04586	0.04282	8.24E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.03659E-06	0.000298	2.56E-08	4.04E-04	8.9E-05	3.87E-06	0.000642	2.64E-08
2517	497614.44	3858201.52	0.04527	0.04843	0.04596	0.04288	8.25E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.05014E-06	0.000299	2.56E-08	4.05E-04	8.92E-05	3.88E-06	0.000643	2.64E-08
2518	497364.44	3858251.52	0.04503	0.04785	0.04567	0.04285	8.21E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	4.98966E-06	0.000297	2.56E-08	4.02E-04	8.87E-05	3.84E-06	0.000639	2.64E-08
2519	497414.44	3858251.52	0.04568	0.04858	0.04635	0.04337	8.33E-05	4.1E-06	0.00025	4.6E-08	0.00033	1.02E-04	5.06579E-06	0.000301	2.59E-08	4.08E-04	9E-05	3.9E-06	0.000648	2.67E-08
2520	497464.44	3858251.52	0.0453	0.0482	0.04597	0.04301	8.26E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.02616E-06	0.000299	2.57E-08	4.05E-04	8.92E-05	3.87E-06	0.000643	2.65E-08
2521	497514.44	3858251.52	0.04483	0.04771	0.04549	0.04255	8.17E-05	4.1E-06	0.00024	4.5E-08	0.00033	1.00E-04	4.97506E-06	0.000295	2.54E-08	4.01E-04	8.83E-05	3.83E-06	0.000636	2.62E-08
2522	497564.44	3858251.52	0.04469	0.04758	0.04536	0.04239	8.15E-05	4E-06	0.00024	4.5E-08	0.00033	9.98E-05	4.96151E-06	0.000295	2.53E-08	3.99E-04	8.8E-05	3.82E-06	0.000635	2.61E-08
2523	497614.44	3858251.52	0.04455	0.04745	0.04522	0.04224	8.12E-05	4E-06	0.00024	4.5E-08	0.00033	9.95E-05	4.94795E-06	0.000294	2.52E-08	3.98E-04	8.77E-05	3.81E-06	0.000633	2.6E-08
2524	497364.44	3858301.52	0.04517	0.04786	0.04582	0.04291	8.23E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	4.99071E-06	0.000298	2.56E-08	4.04E-04	8.9E-05	3.84E-06	0.000641	2.65E-08
2525	497414.44	3858301.52	0.04554	0.04827	0.0462	0.04325	8.30E-05	4.1E-06	0.00025	4.6E-08	0.00033	1.02E-04	5.03346E-06	0.0003	2.58E-08	4.07E-04	8.97E-05	3.87E-06	0.000646	2.67E-08
2526	497464.44	3858301.52	0.04505	0.04775	0.0457	0.04277	8.21E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	4.97924E-06	0.000297	2.55E-08	4.02E-04	8.87E-05	3.83E-06	0.000639	2.64E-08
2527	497514.44	3858301.52	0.04472	0.04743	0.04538	0.04246	8.15E-05	4E-06	0.00024	4.5E-08	0.00033	9.99E-05	4.94587E-06	0.000295	2.53E-08	4.00E-04	8.81E-05	3.8E-06	0.000635	2.62E-08
2528	497564.44	3858301.52	0.04422	0.0469	0.04487	0.04198	8.06E-05	4E-06	0.00024	4.5E-08	0.00032	9.88E-05	4.8906E-06	0.000291	2.51E-08	3.95E-04	8.71E-05	3.76E-06	0.000628	2.59E-08
2529	497614.44	3858301.52	0.04406	0.04674	0.04471	0.0418	8.03E-05	4E-06	0.00024	4.5E-08	0.00032	9.84E-05	4.87392E-06	0.00029	2.49E-08	3.94E-04	8.68E-05	3.75E-06	0.000625	2.58E-08
2530	497364.44	3858351.52	0.04538	0.04796	0.04602	0.04313	8.27E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	5.00113E-06	0.000299	2.57E-08	4.05E-04	8.94E-05	3.85E-06	0.000644	2.66E-08
2531	497414.44	3858351.52	0.04507	0.04764	0.04572	0.04283	8.22E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	4.96776E-06	0.000297	2.56E-08	4.03E-04	8.88E-05	3.82E-06	0.00064	2.64E-08
2532	497464.44	3858351.52	0.04495	0.04752	0.04561	0.04269	8.19E-05	4E-06	0.00024	4.6E-08	0.00033	1.00E-04	4.95525E-06	0.000296	2.55E-08	4.02E-04	8.85E-05	3.81E-06	0.000638	2.63E-08
2533	497514.44	3858351.52	0.04469	0.04726	0.04535	0.04244	8.15E-05	4E-06	0.00024	4.5E-08	0.00033	9.98E-05	4.92814E-06	0.000295	2.53E-08	3.99E-04	8.8E-05	3.79E-06	0.000634	2.62E-08
2534	497564.44	3858351.52	0.04407	0.0466	0.04471	0.04185	8.03E-05	4E-06	0.00024	4.5E-08	0.00032	9.84E-05	4.85932E-06	0.00029	2.5E-08	3.94E-04	8.68E-05	3.74E-06	0.000625	2.58E-08
2535	497614.44	3858351.52	0.04393	0.04646	0.04458	0.0417	8.01E-05	4E-06	0.00024	4.4E-08	0.00032	9.81E-05	4.84472E-06	0.00029	2.49E-08	3.93E-04	8.65E-05	3.73E-06	0.000624	2.57E-08
2536	497364.44	3858401.52	0.0449	0.04737	0.04569	0.04274	8.18E-05	4E-06	0.00024	4.6E-08	0.00033	1.00E-04	4.93961E-06	0.000297	2.55E-08	4.02E-04	8.84E-05	3.8E-06	0.000639	2.64E-08
2537	497414.44	3858401.52	0.04484	0.0473	0.04547	0.0426	8.17E-05	4E-06	0.00024	4.5E-08	0.00033	1.00E-04	4.93231E-06	0.000295	2.54E-08	4.00E-04	8.83E-05	3.79E-06	0.000636	2.63E-08
2538	497464.44	3858401.52	0.04449	0.04694	0.04513	0.04228	8.11E-05	4E-06	0.00024	4.5E-08	0.00032	9.94E-05	4.89477E-06	0.000293	2.52E-08	3.97E-04	8.76E-05	3.77E-06	0.000631	2.61E-08
2539	497514.44	3858401.52	0.04431	0.04675	0.04496	0.04209	8.08E-05	4E-06	0.00024	4.5E-08	0.00032	9.90E-05	4.87496E-06	0.000292	2.51E-08	3.96E-04	8.73E-05	3.75E-06	0.000629	2.6E-08
2540	497564.44	3858401.52	0.04478	0.04727	0.04545	0.04245	8.16E-05	4E-06	0.00024	4.5E-08	0.00033	1.00E-04	4.92918E-06	0.000295	2.53E-08	4.00E-04	8.82E-05	3.79E-06	0.000636	2.62E-08
2541	497614.44	3858401.52	0.04523	0.04781	0.04611	0.04284	8.24E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.01E-04	4.98549E-06	0.000299	2.56E-08	4.06E-04	8.91E-05	3.84E-06	0.000645	2.64E-08
2542	493478.11	3860497.94	0.05243	0.05565	0.04605	0.06356	9.56E-05	4.7E-06	0.00024	6.8E-08	0.00035	1.17E-04	5.80302E-06	0.000299	3.79E-08	4.22E-04	0.000103	4.46E-06	0.000644	3.92E-08
2543	493528.11	3860497.94	0.05238	0.05558	0.04611	0.06352	9.55E-05	4.7E-06	0.00024	6.8E-08	0.00035	1.17E-04	5.79573E-06	0.000299	3.79E-08	4.22E-04	0.000103	4.46E-06	0.000645	3.92E-08
2544	493478.11	3860547.94	0.05112	0.05425	0.04481	0.06206	9.32E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.14E-04	5.65704E-06	0.000291	3.7E-08	4.11E-04	0.000101	4.35E-06	0.000627	3.83E-08
2545	493528.11	3860547.94	0.05105	0.05417	0.04487	0.06205	9.31E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.14E-04	5.64869E-06	0.000291	3.7E-08	4.11E-04	0.000101	4.35E-06	0.000628	3.83E-08
2546	493478.11	3860597.94	0.04984	0.05287	0.0436	0.06055	9.08E-05	4.5E-06	0.00023	6.5E-08	0.00033	1.11E-04	5.51313E-06	0.000283	3.61E-08	4.00E-04	9.82E-05	4.24E-06	0.00061	3.73E-08
2547	493528.11	3860597.94	0.04978	0.05283	0.04368	0.06057	9.07E-05	4.5E-06	0.00023	6.5E-08	0.00033	1.11E-04	5.50896E-06	0.000284	3.62E-08	4.00E-04	9.8E-05	4.24E-06	0.000611	3.73E-08
2548	493561.88	3860524.64	0.05165	0.05481	0.0455	0.06272	9.41E-05	4.7E-06	0.00024	6.7E-08	0.00034	1.15E-04	5.71543E-06	0.000296	3.74E-08	4.17E-04	0.000102	4.4E-06	0.000636	3.87E-08
2549	493591.88	3860524.64	0.05166	0.05483	0.04558	0.06271	9.42E-05	4.7E-06	0.00024	6.7E-08	0.00034	1.15E-04	5.71752E-06	0.000296	3.74E-08	4.17E-04	0.000102	4.4E-06	0.000638	3.87E-08
2550	493561.88	3860554.64	0.05085	0.05397	0.04477	0.06185	9.27E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.14E-04	5.62784E-06	0.000291	3.69E-08	4.10E-04	0.0001	4.33E-06	0.000626	3.81E-08
2551	493591.88	3860554.64	0.0509	0.05404	0.04488	0.06185	9.28E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.14E-04	5.63514E-06	0.000292	3.69E-08	4.11E-04	0.0001	4.33E-06	0.000628	3.81E-08
2552	492880.5	3860293.11	0.05824	0.06132	0.04963	0.0703	1.06E-04	5.2E-06	0.00026	7.5E-08	0.00038	1.30E-04	6.39428E-06	0.000322	4.2E-08	4.59E-04	0.000115	4.92E-06	0.000694	4.33E-08
2553	492930.5	3860293.11	0.05832	0.0615	0.04989	0.07032	1.06E-04	5.2E-06	0.00027	7.5E-08	0.00038	1.30E-04	6.41305E-06	0.000324	4.2E-08	4.61E-04	0.000115	4.93E-06	0.000698	4.34E-08
2554	492980.5	3860293.11	0.0584	0.06168	0.05015	0.07032	1.06E-04	5.2E-06	0.00027	7.5E-08	0.00038	1.30E-04	6.43182E-06	0.000326	4.2E-08	4.63E-04	0.000115	4.95E-06	0.000702	4.34E-08
2555	493030.5	3860293.11	0.05872	0.0622	0.05064	0.07003	1.07E-04	5.3E-06	0.00027	7.5E-08	0.00038	1.31E-04	6.48604E-06	0.000329	4.18E-08	4.67E-04	0.000116	4.99E-06	0.000708	4.32E-08
2556	493080.5	3860293.11	0.05893	0.06269	0.0511	0.06954	1.07E-04	5.3E-06	0.00027	7.4E-08	0.00038	1.32E-04	6.53714E-06	0.000332	4.15E-08	4.70E-04	0.000116	5.03E-06	0.000715	4.29E-08
2557	493130.5	3860293.11	0.05874	0.06232	0.05098	0.06982	1.07E-04	5.3E-06	0.00027	7.4E-08	0.00038	1.31E-04	6.49855E-06	0.000331	4.17E-08	4.69E-04	0.000116	5E-06	0.000713	4.3E-08
2558	493180.5	3860293.11	0.05853	0.06198	0.05087	0.06994	1.07E-04	5.3E-06	0.00027	7.5E-08	0.00038	1.31E-04	6.4631E-06	0.00033	4.17E-08	4.68E-04	0.000115	4.97E-06	0.000712	4.31E-08

2559	493230.5	3860293.11	0.05844	0.06186	0.05091	0.06989	1.07E-04	5.3E-06	0.00027	7.5E-08	0.00038	1.31E-04	6.45059E-06	0.000331	4.17E-08	4.68E-04	0.000115	4.96E-06	0.000712	4.31E-08
2560	493280.5	3860293.11	0.05851	0.06202	0.05113	0.06965	1.07E-04	5.3E-06	0.00027	7.4E-08	0.00038	1.31E-04	6.46727E-06	0.000332	4.16E-08	4.69E-04	0.000115	4.98E-06	0.000715	4.29E-08
2561	493330.5	3860293.11	0.05849	0.06203	0.05123	0.06946	1.07E-04	5.3E-06	0.00027	7.4E-08	0.00038	1.31E-04	6.46831E-06	0.000333	4.15E-08	4.70E-04	0.000115	4.98E-06	0.000717	4.28E-08
2562	493380.5	3860293.11	0.05843	0.06198	0.05129	0.0693	1.07E-04	5.3E-06	0.00027	7.4E-08	0.00038	1.31E-04	6.4631E-06	0.000333	4.14E-08	4.70E-04	0.000115	4.97E-06	0.000717	4.27E-08
2563	492880.5	3860343.11	0.05661	0.05952	0.04812	0.0684	1.03E-04	5.1E-06	0.00026	7.3E-08	0.00036	1.26E-04	6.20658E-06	0.000313	4.08E-08	4.45E-04	0.000111	4.77E-06	0.000673	4.22E-08
2564	492930.5	3860343.11	0.05667	0.05969	0.04836	0.06848	1.03E-04	5.1E-06	0.00026	7.3E-08	0.00037	1.27E-04	6.2243E-06	0.000314	4.09E-08	4.47E-04	0.000112	4.79E-06	0.000677	4.22E-08
2565	492980.5	3860343.11	0.05705	0.06034	0.04893	0.0685	1.04E-04	5.1E-06	0.00026	7.3E-08	0.00037	1.27E-04	6.29208E-06	0.000318	4.09E-08	4.52E-04	0.000112	4.84E-06	0.000684	4.22E-08
2566	493030.5	3860343.11	0.05706	0.06041	0.04911	0.06853	1.04E-04	5.1E-06	0.00026	7.3E-08	0.00037	1.27E-04	6.29938E-06	0.000319	4.09E-08	4.53E-04	0.000112	4.85E-06	0.000687	4.23E-08
2567	493080.5	3860343.11	0.05735	0.06091	0.04958	0.06819	1.05E-04	5.2E-06	0.00026	7.3E-08	0.00037	1.28E-04	6.35152E-06	0.000322	4.07E-08	4.57E-04	0.000113	4.89E-06	0.000694	4.2E-08
2568	493130.5	3860343.11	0.05726	0.06078	0.04963	0.06826	1.04E-04	5.2E-06	0.00026	7.3E-08	0.00037	1.28E-04	6.33797E-06	0.000322	4.07E-08	4.57E-04	0.000113	4.88E-06	0.000694	4.21E-08
2569	493180.5	3860343.11	0.05699	0.0604	0.0495	0.0685	1.04E-04	5.1E-06	0.00026	7.3E-08	0.00037	1.27E-04	6.29834E-06	0.000322	4.09E-08	4.55E-04	0.000112	4.85E-06	0.000692	4.22E-08
2570	493230.5	3860343.11	0.05693	0.06034	0.04958	0.06846	1.04E-04	5.1E-06	0.00026	7.3E-08	0.00037	1.27E-04	6.29208E-06	0.000322	4.09E-08	4.56E-04	0.000112	4.84E-06	0.000694	4.22E-08
2571	493280.5	3860343.11	0.05706	0.06053	0.04982	0.06819	1.04E-04	5.2E-06	0.00026	7.3E-08	0.00037	1.27E-04	6.3119E-06	0.000324	4.07E-08	4.57E-04	0.000112	4.86E-06	0.000697	4.2E-08
2572	493330.5	3860343.11	0.05709	0.0606	0.04999	0.06803	1.04E-04	5.2E-06	0.00027	7.3E-08	0.00037	1.28E-04	6.3192E-06	0.000325	4.06E-08	4.59E-04	0.000112	4.86E-06	0.000699	4.19E-08
2573	493380.5	3860343.11	0.05704	0.06055	0.05006	0.06792	1.04E-04	5.2E-06	0.00027	7.2E-08	0.00038	1.27E-04	6.31398E-06	0.000325	4.05E-08	4.59E-04	0.000112	4.86E-06	0.0007	4.19E-08
2574	492880.5	3860393.11	0.055	0.05771	0.04665	0.06648	1.00E-04	4.9E-06	0.00025	7.1E-08	0.00035	1.23E-04	6.01784E-06	0.000303	3.97E-08	4.32E-04	0.000108	4.63E-06	0.000653	4.1E-08
2575	492930.5	3860393.11	0.05514	0.058	0.04695	0.06662	1.01E-04	4.9E-06	0.00025	7.1E-08	0.00035	1.23E-04	6.04808E-06	0.000305	3.98E-08	4.34E-04	0.000109	4.65E-06	0.000657	4.11E-08
2576	492980.5	3860393.11	0.05537	0.05841	0.04734	0.06674	1.01E-04	5E-06	0.00025	7.1E-08	0.00036	1.24E-04	6.09083E-06	0.000307	3.98E-08	4.37E-04	0.000109	4.69E-06	0.000662	4.11E-08
2577	493030.5	3860393.11	0.0555	0.05868	0.04764	0.06679	1.01E-04	5E-06	0.00025	7.1E-08	0.00036	1.24E-04	6.11898E-06	0.000309	3.99E-08	4.40E-04	0.000109	4.71E-06	0.000666	4.12E-08
2578	493080.5	3860393.11	0.05583	0.05922	0.04814	0.06664	1.02E-04	5E-06	0.00026	7.1E-08	0.00036	1.25E-04	6.17529E-06	0.000313	3.98E-08	4.44E-04	0.00011	4.75E-06	0.000673	4.11E-08
2579	493130.5	3860393.11	0.05568	0.05906	0.04815	0.06683	1.01E-04	5E-06	0.00026	7.1E-08	0.00036	1.24E-04	6.15861E-06	0.000313	3.99E-08	4.43E-04	0.00011	4.74E-06	0.000674	4.12E-08
2580	493180.5	3860393.11	0.05545	0.05875	0.04807	0.06688	1.01E-04	5E-06	0.00026	7.1E-08	0.00036	1.24E-04	6.12628E-06	0.000312	3.99E-08	4.42E-04	0.000109	4.71E-06	0.000672	4.12E-08
2581	493230.5	3860393.11	0.05545	0.05879	0.04822	0.06686	1.01E-04	5E-06	0.00026	7.1E-08	0.00036	1.24E-04	6.13046E-06	0.000313	3.99E-08	4.43E-04	0.000109	4.72E-06	0.000675	4.12E-08
2582	493280.5	3860393.11	0.05561	0.05903	0.04851	0.06681	1.01E-04	5E-06	0.00026	7.1E-08	0.00036	1.24E-04	6.15548E-06	0.000315	3.99E-08	4.45E-04	0.00011	4.74E-06	0.000679	4.12E-08
2583	493330.5	3860393.11	0.05568	0.05914	0.04871	0.0666	1.01E-04	5E-06	0.00026	7.1E-08	0.00037	1.24E-04	6.16695E-06	0.000316	3.97E-08	4.47E-04	0.00011	4.74E-06	0.000681	4.11E-08
2584	493380.5	3860393.11	0.05567	0.05914	0.04882	0.06652	1.01E-04	5E-06	0.00026	7.1E-08	0.00037	1.24E-04	6.16695E-06	0.000317	3.97E-08	4.48E-04	0.00011	4.74E-06	0.000683	4.1E-08
2585	492880.5	3860443.11	0.05351	0.05601	0.04528	0.06457	9.75E-05	4.8E-06	0.00024	6.9E-08	0.00034	1.20E-04	5.84056E-06	0.000294	3.85E-08	4.20E-04	0.000105	4.49E-06	0.000633	3.98E-08
2586	492930.5	3860443.11	0.05355	0.05617	0.04547	0.06472	9.76E-05	4.8E-06	0.00024	6.9E-08	0.00034	1.20E-04	5.85725E-06	0.000295	3.86E-08	4.21E-04	0.000105	4.51E-06	0.000636	3.99E-08
2587	492980.5	3860443.11	0.05374	0.05653	0.04582	0.06489	9.80E-05	4.8E-06	0.00024	6.9E-08	0.00035	1.20E-04	5.89479E-06	0.000298	3.87E-08	4.24E-04	0.000106	4.53E-06	0.000641	4E-08
2588	493030.5	3860443.11	0.05392	0.05687	0.04615	0.06504	9.83E-05	4.8E-06	0.00025	6.9E-08	0.00035	1.20E-04	5.93024E-06	0.0003	3.88E-08	4.26E-04	0.000106	4.56E-06	0.000646	4.01E-08
2589	493080.5	3860443.11	0.05398	0.05703	0.04637	0.06512	9.84E-05	4.9E-06	0.00025	6.9E-08	0.00035	1.21E-04	5.94693E-06	0.000301	3.89E-08	4.28E-04	0.000106	4.57E-06	0.000649	4.02E-08
2590	493130.5	3860443.11	0.05403	0.05717	0.04658	0.06519	9.85E-05	4.9E-06	0.00025	7E-08	0.00035	1.21E-04	5.96153E-06	0.000303	3.89E-08	4.29E-04	0.000106	4.59E-06	0.000652	4.02E-08
2591	493180.5	3860443.11	0.05387	0.05697	0.04657	0.06522	9.82E-05	4.8E-06	0.00025	7E-08	0.00035	1.20E-04	5.94067E-06	0.000302	3.89E-08	4.29E-04	0.000106	4.57E-06	0.000651	4.02E-08
2592	493230.5	3860443.11	0.05406	0.0573	0.04692	0.06525	9.85E-05	4.9E-06	0.00025	7E-08	0.00035	1.21E-04	5.97508E-06	0.000305	3.89E-08	4.32E-04	0.000106	4.6E-06	0.000656	4.02E-08
2593	493280.5	3860443.11	0.05413	0.05746	0.04715	0.06526	9.87E-05	4.9E-06	0.00025	7E-08	0.00035	1.21E-04	5.99177E-06	0.000306	3.89E-08	4.33E-04	0.000107	4.61E-06	0.00066	4.02E-08
2594	493330.5	3860443.11	0.05428	0.0577	0.04743	0.06522	9.89E-05	4.9E-06	0.00025	7E-08	0.00036	1.21E-04	6.01679E-06	0.000308	3.89E-08	4.35E-04	0.000107	4.63E-06	0.000663	4.02E-08
2595	493380.5	3860443.11	0.05422	0.05763	0.0475	0.0652	9.88E-05	4.9E-06	0.00025	7E-08	0.00036	1.21E-04	6.00949E-06	0.000309	3.89E-08	4.36E-04	0.000107	4.62E-06	0.000664	4.02E-08
2596	493180.5	3860493.11	0.0525	0.05549	0.04529	0.06354	9.57E-05	4.7E-06	0.00024	6.8E-08	0.00034	1.17E-04	5.78634E-06	0.000294	3.79E-08	4.17E-04	0.000103	4.45E-06	0.000634	3.92E-08
2597	493230.5	3860493.11	0.05262	0.05571	0.04555	0.06363	9.59E-05	4.7E-06	0.00024	6.8E-08	0.00034	1.18E-04	5.80928E-06	0.000296	3.8E-08	4.19E-04	0.000104	4.47E-06	0.000637	3.92E-08
2598	493280.5	3860493.11	0.05274	0.05594	0.04582	0.06368	9.61E-05	4.8E-06	0.00024	6.8E-08	0.00034	1.18E-04	5.83327E-06	0.000298	3.8E-08	4.21E-04	0.000104	4.49E-06	0.000641	3.93E-08
2599	493330.5	3860493.11	0.0528	0.05607	0.04603	0.0637	9.62E-05	4.8E-06	0.00024	6.8E-08	0.00035	1.18E-04	5.84682E-06	0.000299	3.8E-08	4.23E-04	0.000104	4.5E-06	0.000644	3.93E-08
2600	493380.5	3860493.11	0.05275	0.05602	0.04612	0.06372	9.62E-05	4.8E-06	0.00025	6.8E-08	0.00035	1.18E-04	5.84161E-06	0.0003	3.8E-08	4.23E-04	0.000104	4.49E-06	0.000645	3.93E-08
2601	493330.5	3860543.11	0.05143	0.05456	0.04473	0.06215	9.37E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.15E-04	5.68936E-06	0.000291	3.71E-08	4.11E-04	0.000101	4.38E-06	0.000626	3.83E-08
2602	493380.5	3860543.11	0.05138	0.05453	0.04482	0.06219	9.37E-05	4.6E-06	0.00024	6.6E-08	0.00034	1.15E-04	5.68623E-06	0.000291	3.71E-08	4.12E-04	0.000101	4.37E-06	0.000627	3.83E-08
2603	494135.94	3860876.85	0.04345	0.04626	0.03891	0.05328	7.92E-05	3.9E-06	0.00021	5.7E-08	0.00029	9.71E-05	4.82386E-06	0.000253	3.18E-08	3.55E-04	8.56E-05	3.71E-06	0.000544	3.29E-08
2604	494185.94	3860876.85	0.04345	0.04626	0.039	0.05329	7.92E-05	3.9E-06	0.00021	5.7E-08	0.00029	9.71E-05	4.82386E-06	0.000253	3.18E-08	3.55E-04	8.56E-05	3.71E-06	0.000546	3.29E-08
2605	494135.94	3860926.85	0.0424	0.04513	0.0379	0.05203	7.73E-05	3.8E-06	0.0002	5.6E-08	0.00028	9.47E-05	4.70603E-06	0.000246	3.11E-08	3.46E-04	8.35E-05	3.62E-06	0.00053	3.21E-08
2606	494185.94	3860926.85	0.04243	0.04517	0.03801	0.05207	7.73E-05	3.8E-06	0.0002	5.6E-08	0.00028	9.48E-05	4.7102E-06	0.000247	3.11E-08	3.46E-04	8.36E-05	3.62E-06	0.000532	3.21E-08
2607	494135.94	3860976.85	0.0414	0.04403	0.03692	0.05078	7.55E-05	3.7E-06	0.0002	5.4E-08	0.00028	9.25E-05	4.59132E-06	0.00024	3.03E-08	3.37E-04	8.15E-05	3.53E-06	0.000516	3.13E-08
2608	494185.94	3860976.85	0.04143	0.0441	0.03705	0.05085	7.55E-05	3.8E-06	0.0002	5.4E-08	0.00028	9.25E-05	4.59862E-06	0.000241	3.03E-08	3.38E-04	8.16E-05	3.54E-06	0.000518	3.14E-08
2609	494135.94	3861026.85	0.04039	0.04292	0.03594	0.0495	7.36E-05	3.7E-06	0.00019	5.3E-08	0.00027	9.02E-05	4.47558E-06	0.000233	2.95E-08	3.28E-04	7.95E-05	3.44E-06	0.000503	3.05E-08
2610	494185.94	3861026.85	0.04044	0.04301	0.03608	0.0496	7.37E-05	3.7E-06	0.00019	5.3E-08	0.00027	9.03E-05	4.48496E-06	0.000234	2.96E-08	3.29E-04	7.96E-05	3.45E-06	0.000505	3.06E-08
2611	494135.94	3861076.85	0.03943	0.04183	0.035	0.04824	7.19E-05	3.6E-06	0.00019	5.1E-08	0.00026	8.81E-05	4.36191E-06	0.000227	2.88E-08	3.20E-04	7.77E-05	3.36E-06	0.00049	2.97E-08
2612	494185.94	3861076.85	0.03947	0.04193	0.03514	0.04835	7.19E-05	3.6E-06	0.00019	5.2E-08	0.00026	8.82E-05	4.37234E-06	0.000228	2.89E-08	3.21E-04	7.77E-05	3.36E-06	0.000492	2.98E-08
2613	490360.04	3858710.04	0.21578	0.18474	0.12728	0.22484	3.93E-04	1.6E-05	0.00068	2.4E-07	0.00109	4.82E-04	1.92642E-05	0.000827	1.34E-07	1.33E-03	0.000425	1.48E-05	0.001781	1.39E-07
2614	490410.04	3858710.04	0.21186	0.18428	0.12742	0.22221	3.86E-04	1.6E-05	0.00068	2.4E-07	0.00108	4.73E-04	1.92162E-05	0.000828	1.33E-07	1.32E-03	0.000417	1.48E-05	0.001782	1.37E-07
2615	490460.04	3858710.04	0.20778	0.18413	0.12767	0.21867	3.79E-04	1.6E-05	0.00068	2.3E-07	0.00107	4.64E-04	1.92006E-05	0.000829	1.31E-07	1.31E-03	0.000409	1.48E-05	0.001786	1.35E-07
2616	490510.04	3858710.04	0.20414	0.18346	0.12762	0.21595	3.72E-04	1.6E-05	0.00068	2.3E-07	0.00107	4.56E-04	1.91307E-05	0.000829	1.29E-07	1.30E-03	0.000402	1.47E-05	0.001785	1.33E-07
2617	490560.04	3858710.04	0.20075	0.18264	0.12746	0.21352	3.66E-04	1.6E-05	0.00068	2.3E-07	0.00106	4.48E-04	1.90452E-05	0.000828	1.27E-07	1.30E-03	0.000395	1.47E-05	0.001783	1.32E-07
2618	490610.04	3858710.04	0.19743	0.18185	0.12726	0.21091	3.60E-04	1.5E-05	0.00068	2.2E-07	0.00105	4.41E-04	1.89628E-05	0.000827	1.26E-07	1.29E-03	0.000389	1.46E-05	0.00178	1.3E-07
2619	490660.04	3858710.04	0.19457	0.18078	0.12689	0.20917	3.55E-04	1.5E-05	0.00067	2.2E-07	0.00104	4.35E-04	1.88512E-05	0.000824	1.25E-07	1.28E-03	0.000383	1.45E-05	0.001775	1.29E-07

2620	490710.04	3858710.04	0.19126	0.18009	0.12667	0.20593	3.49E-04	1.5E-05	0.00067	2.2E-07	0.00104	4.27E-04	1.87793E-05	0.000823	1.23E-07	1.27E-03	0.000377	1.44E-05	0.001772	1.27E-07
2621	490760.04	3858710.04	0.18819	0.17926	0.12635	0.20302	3.43E-04	1.5E-05	0.00067	2.2E-07	0.00103	4.20E-04	1.86927E-05	0.000821	1.21E-07	1.26E-03	0.000371	1.44E-05	0.001768	1.25E-07
2622	490810.04	3858710.04	0.1852	0.17839	0.126	0.20006	3.38E-04	1.5E-05	0.00067	2.1E-07	0.00102	4.14E-04	1.8602E-05	0.000818	1.19E-07	1.25E-03	0.000365	1.43E-05	0.001763	1.23E-07
2623	490860.04	3858710.04	0.18204	0.17756	0.12564	0.1964	3.32E-04	1.5E-05	0.00067	2.1E-07	0.00101	4.07E-04	1.85155E-05	0.000816	1.17E-07	1.24E-03	0.000359	1.42E-05	0.001758	1.21E-07
2624	490360.04	3858760.04	0.20839	0.17747	0.12254	0.2144	3.80E-04	1.5E-05	0.00065	2.3E-07	0.00105	4.65E-04	1.85061E-05	0.000796	1.28E-07	1.28E-03	0.00041	1.42E-05	0.001714	1.32E-07
2625	490410.04	3858760.04	0.20462	0.1772	0.12282	0.21189	3.73E-04	1.5E-05	0.00065	2.3E-07	0.00104	4.57E-04	1.84779E-05	0.000798	1.26E-07	1.27E-03	0.000403	1.42E-05	0.001718	1.31E-07
2626	490460.04	3858760.04	0.20089	0.17693	0.12307	0.20904	3.66E-04	1.5E-05	0.00065	2.2E-07	0.00104	4.49E-04	1.84498E-05	0.000799	1.25E-07	1.27E-03	0.000396	1.42E-05	0.001722	1.29E-07
2627	490510.04	3858760.04	0.19721	0.17658	0.12324	0.206	3.59E-04	1.5E-05	0.00065	2.2E-07	0.00103	4.41E-04	1.84133E-05	0.0008	1.23E-07	1.26E-03	0.000388	1.42E-05	0.001724	1.27E-07
2628	490560.04	3858760.04	0.19389	0.17593	0.12321	0.20348	3.53E-04	1.5E-05	0.00065	2.2E-07	0.00102	4.33E-04	1.83455E-05	0.0008	1.21E-07	1.25E-03	0.000382	1.41E-05	0.001724	1.25E-07
2629	490610.04	3858760.04	0.1906	0.17528	0.12315	0.20072	3.47E-04	1.5E-05	0.00065	2.1E-07	0.00102	4.26E-04	1.82777E-05	0.0008	1.2E-07	1.24E-03	0.000375	1.41E-05	0.001723	1.24E-07
2630	490660.04	3858760.04	0.18753	0.17453	0.12299	0.19817	3.42E-04	1.5E-05	0.00065	2.1E-07	0.00101	4.19E-04	1.81995E-05	0.000799	1.18E-07	1.24E-03	0.000369	1.4E-05	0.001721	1.22E-07
2631	490710.04	3858760.04	0.18454	0.17374	0.12278	0.19556	3.36E-04	1.5E-05	0.00065	2.1E-07	0.001	4.12E-04	1.81171E-05	0.000797	1.17E-07	1.23E-03	0.000363	1.39E-05	0.001718	1.21E-07
2632	490760.04	3858760.04	0.18145	0.17299	0.12257	0.19242	3.31E-04	1.5E-05	0.00065	2.1E-07	0.001	4.05E-04	1.80389E-05	0.000796	1.15E-07	1.22E-03	0.000357	1.39E-05	0.001715	1.19E-07
2633	490810.04	3858760.04	0.17853	0.17216	0.12228	0.18943	3.25E-04	1.5E-05	0.00065	2E-07	0.00099	3.99E-04	1.79524E-05	0.000794	1.13E-07	1.21E-03	0.000352	1.38E-05	0.001711	1.17E-07
2634	490860.04	3858760.04	0.17584	0.17126	0.12191	0.18677	3.21E-04	1.5E-05	0.00065	2E-07	0.00098	3.93E-04	1.78585E-05	0.000792	1.11E-07	1.20E-03	0.000346	1.37E-05	0.001705	1.15E-07
2635	490360.04	3858810.04	0.20049	0.17081	0.11802	0.20405	3.65E-04	1.5E-05	0.00063	2.2E-07	0.00101	4.48E-04	1.78116E-05	0.000767	1.22E-07	1.23E-03	0.000395	1.37E-05	0.001651	1.26E-07
2636	490410.04	3858810.04	0.1969	0.17068	0.11841	0.20166	3.59E-04	1.5E-05	0.00063	2.2E-07	0.001	4.40E-04	1.7798E-05	0.000769	1.2E-07	1.23E-03	0.000388	1.37E-05	0.001656	1.24E-07
2637	490460.04	3858810.04	0.19338	0.17045	0.11873	0.19907	3.52E-04	1.5E-05	0.00063	2.1E-07	0.001	4.32E-04	1.7774E-05	0.000771	1.19E-07	1.22E-03	0.000381	1.37E-05	0.001661	1.23E-07
2638	490510.04	3858810.04	0.19021	0.16991	0.11885	0.19696	3.47E-04	1.4E-05	0.00063	2.1E-07	0.00099	4.25E-04	1.77177E-05	0.000772	1.18E-07	1.21E-03	0.000375	1.36E-05	0.001663	1.21E-07
2639	490560.04	3858810.04	0.1871	0.16936	0.11893	0.19464	3.41E-04	1.4E-05	0.00063	2.1E-07	0.00099	4.18E-04	1.76604E-05	0.000772	1.16E-07	1.21E-03	0.000368	1.36E-05	0.001664	1.2E-07
2640	490610.04	3858810.04	0.18379	0.16892	0.11903	0.19156	3.35E-04	1.4E-05	0.00063	2E-07	0.00098	4.11E-04	1.76145E-05	0.000773	1.14E-07	1.20E-03	0.000362	1.36E-05	0.001665	1.18E-07
2641	490660.04	3858810.04	0.18081	0.16827	0.11898	0.18896	3.30E-04	1.4E-05	0.00063	2E-07	0.00098	4.04E-04	1.75467E-05	0.000773	1.13E-07	1.19E-03	0.000356	1.35E-05	0.001664	1.17E-07
2642	490710.04	3858810.04	0.17779	0.16761	0.1189	0.18603	3.24E-04	1.4E-05	0.00063	2E-07	0.00097	3.97E-04	1.74779E-05	0.000772	1.11E-07	1.19E-03	0.00035	1.34E-05	0.001663	1.15E-07
2643	490760.04	3858810.04	0.17457	0.16697	0.11879	0.18229	3.18E-04	1.4E-05	0.00063	1.9E-07	0.00096	3.90E-04	1.74112E-05	0.000772	1.09E-07	1.18E-03	0.000344	1.34E-05	0.001662	1.12E-07
2644	490810.04	3858810.04	0.17228	0.16606	0.1185	0.18056	3.14E-04	1.4E-05	0.00063	1.9E-07	0.00096	3.85E-04	1.73163E-05	0.00077	1.08E-07	1.17E-03	0.000339	1.33E-05	0.001658	1.11E-07
2645	490860.04	3858810.04	0.16948	0.16524	0.11825	0.17743	3.09E-04	1.4E-05	0.00063	1.9E-07	0.00095	3.79E-04	1.72308E-05	0.000768	1.06E-07	1.16E-03	0.000334	1.33E-05	0.001654	1.09E-07
2646	490360.04	3858860.04	0.19213	0.16461	0.11369	0.19375	3.50E-04	1.4E-05	0.0006	2.1E-07	0.00097	4.29E-04	1.71651E-05	0.000738	1.16E-07	1.18E-03	0.000378	1.32E-05	0.00159	1.19E-07
2647	490410.04	3858860.04	0.18915	0.16416	0.11395	0.19241	3.45E-04	1.4E-05	0.00061	2.1E-07	0.00096	4.23E-04	1.71181E-05	0.00074	1.15E-07	1.18E-03	0.000373	1.32E-05	0.001594	1.19E-07
2648	490460.04	3858860.04	0.18578	0.16415	0.1144	0.18979	3.39E-04	1.4E-05	0.00061	2E-07	0.00096	4.15E-04	1.71171E-05	0.000743	1.13E-07	1.18E-03	0.000366	1.32E-05	0.0016	1.17E-07
2649	490510.04	3858860.04	0.18309	0.16353	0.11452	0.18842	3.34E-04	1.4E-05	0.00061	2E-07	0.00096	4.09E-04	1.70524E-05	0.000744	1.12E-07	1.17E-03	0.000361	1.31E-05	0.001602	1.16E-07
2650	490560.04	3858860.04	0.18003	0.1632	0.11476	0.1859	3.28E-04	1.4E-05	0.00061	2E-07	0.00095	4.02E-04	1.7018E-05	0.000745	1.11E-07	1.16E-03	0.000355	1.31E-05	0.001605	1.15E-07
2651	490610.04	3858860.04	0.17666	0.16296	0.11501	0.18239	3.22E-04	1.4E-05	0.00061	1.9E-07	0.00095	3.95E-04	1.6993E-05	0.000747	1.09E-07	1.16E-03	0.000348	1.31E-05	0.001609	1.12E-07
2652	490660.04	3858860.04	0.17391	0.16235	0.11504	0.18002	3.17E-04	1.4E-05	0.00061	1.9E-07	0.00094	3.88E-04	1.69294E-05	0.000747	1.07E-07	1.15E-03	0.000343	1.3E-05	0.001609	1.11E-07
2653	490710.04	3858860.04	0.17148	0.16161	0.11496	0.17814	3.13E-04	1.4E-05	0.00061	1.9E-07	0.00094	3.83E-04	1.68522E-05	0.000747	1.06E-07	1.15E-03	0.000338	1.3E-05	0.001608	1.1E-07
2654	490760.04	3858860.04	0.1685	0.16101	0.11493	0.1747	3.07E-04	1.4E-05	0.00061	1.9E-07	0.00093	3.76E-04	1.67897E-05	0.000747	1.04E-07	1.14E-03	0.000332	1.29E-05	0.001608	1.08E-07
2655	490810.04	3858860.04	0.16568	0.1603	0.11482	0.17144	3.02E-04	1.4E-05	0.00061	1.8E-07	0.00093	3.70E-04	1.67156E-05	0.000746	1.02E-07	1.13E-03	0.000326	1.29E-05	0.001606	1.06E-07
2656	490860.04	3858860.04	0.16287	0.15944	0.11465	0.16798	2.97E-04	1.4E-05	0.00061	1.8E-07	0.00092	3.64E-04	1.6626E-05	0.000745	1E-07	1.13E-03	0.000321	1.28E-05	0.001604	1.04E-07
2657	490360.04	3858910.04	0.18434	0.15766	0.10899	0.18557	3.36E-04	1.3E-05	0.00058	2E-07	0.00093	4.12E-04	1.64403E-05	0.000708	1.11E-07	1.14E-03	0.000363	1.26E-05	0.001525	1.14E-07
2658	490410.04	3858910.04	0.18141	0.1577	0.10949	0.18386	3.31E-04	1.3E-05	0.00058	2E-07	0.00093	4.05E-04	1.64445E-05	0.000711	1.1E-07	1.13E-03	0.000357	1.27E-05	0.001532	1.13E-07
2659	490460.04	3858910.04	0.1785	0.15769	0.10996	0.18187	3.25E-04	1.3E-05	0.00058	1.9E-07	0.00092	3.99E-04	1.64435E-05	0.000714	1.09E-07	1.13E-03	0.000352	1.26E-05	0.001538	1.12E-07
2660	490510.04	3858910.04	0.17558	0.15761	0.11037	0.17957	3.20E-04	1.3E-05	0.00059	1.9E-07	0.00092	3.92E-04	1.64351E-05	0.000717	1.07E-07	1.13E-03	0.000346	1.26E-05	0.001544	1.11E-07
2661	490560.04	3858910.04	0.17262	0.15745	0.11072	0.17694	3.15E-04	1.3E-05	0.00059	1.9E-07	0.00092	3.86E-04	1.64184E-05	0.000719	1.06E-07	1.12E-03	0.00034	1.26E-05	0.001549	1.09E-07
2662	490610.04	3858910.04	0.16968	0.15715	0.11098	0.1741	3.09E-04	1.3E-05	0.00059	1.9E-07	0.00091	3.79E-04	1.63872E-05	0.000721	1.04E-07	1.12E-03	0.000334	1.26E-05	0.001552	1.07E-07
2663	490660.04	3858910.04	0.1671	0.15663	0.1111	0.17179	3.05E-04	1.3E-05	0.00059	1.8E-07	0.00091	3.73E-04	1.63329E-05	0.000722	1.03E-07	1.11E-03	0.000329	1.26E-05	0.001554	1.06E-07
2664	490710.04	3858910.04	0.1644	0.15609	0.11119	0.16895	3.00E-04	1.3E-05	0.00059	1.8E-07	0.0009	3.67E-04	1.62766E-05	0.000722	1.01E-07	1.11E-03	0.000324	1.25E-05	0.001555	1.04E-07
2665	490760.04	3858910.04	0.1615	0.15551	0.11124	0.1654	2.94E-04	1.3E-05	0.00059	1.8E-07	0.0009	3.61E-04	1.62161E-05	0.000723	9.87E-08	1.10E-03	0.000318	1.25E-05	0.001556	1.02E-07
2666	490810.04	3858910.04	0.15914	0.15474	0.11117	0.16289	2.90E-04	1.3E-05	0.00059	1.7E-07	0.00089	3.55E-04	1.61358E-05	0.000722	9.72E-08	1.09E-03	0.000313	1.24E-05	0.001555	1E-07
2667	490860.04	3858910.04	0.15629	0.15388	0.11112	0.1591	2.85E-04	1.3E-05	0.00059	1.7E-07	0.00089	3.49E-04	1.60462E-05	0.000722	9.5E-08	1.09E-03	0.000308	1.23E-05	0.001554	9.81E-08
2668	490360.04	3858960.04	0.17611	0.15133	0.10465	0.17682	3.21E-04	1.3E-05	0.00056	1.9E-07	0.00089	3.93E-04	1.57803E-05	0.00068	1.06E-07	1.09E-03	0.000347	1.21E-05	0.001464	1.09E-07
2669	490410.04	3858960.04	0.17334	0.15168	0.10528	0.17501	3.16E-04	1.3E-05	0.00056	1.9E-07	0.00089	3.87E-04	1.58168E-05	0.000684	1.04E-07	1.09E-03	0.000341	1.22E-05	0.001473	1.08E-07
2670	490460.04	3858960.04	0.17052	0.15193	0.10586	0.17283	3.11E-04	1.3E-05	0.00056	1.8E-07	0.00089	3.81E-04	1.58428E-05	0.000688	1.03E-07	1.08E-03	0.000336	1.22E-05	0.001481	1.07E-07
2671	490510.04	3858960.04	0.16787	0.15192	0.10631	0.17077	3.06E-04	1.3E-05	0.00056	1.8E-07	0.00088	3.75E-04	1.58418E-05	0.000691	1.02E-07	1.08E-03	0.000331	1.22E-05	0.001487	1.05E-07
2672	490560.04	3858960.04	0.16528	0.15178	0.10669	0.16858	3.01E-04	1.3E-05	0.00057	1.8E-07	0.00088	3.69E-04	1.58272E-05	0.000693	1.01E-07	1.08E-03	0.000326	1.22E-05	0.001492	1.04E-07
2673	490610.04	3858960.04	0.16235	0.15163	0.10706	0.16545	2.96E-04	1.3E-05	0.00057	1.8E-07	0.00088	3.63E-04	1.58115E-05	0.000695	9.87E-08	1.07E-03	0.00032	1.22E-05	0.001498	1.02E-07
2674	490660.04	3858960.04	0.16037	0.1511	0.10721	0.16406	2.92E-04	1.3E-05	0.00057	1.8E-07	0.00087	3.58E-04	1.57563E-05	0.000696	9.79E-08	1.07E-03	0.000316	1.21E-05	0.0015	1.01E-07
2675	490710.04	3858960.04	0.15759	0.1507	0.10742	0.16073	2.87E-04	1.3E-05	0.00057	1.7E-07	0.00087	3.52E-04	1.57146E-05	0.000698	9.59E-08	1.07E-03	0.00031	1.21E-05	0.001503	9.91E-08
2676	490760.04	3858960.04	0.15505	0.15012	0.10752	0.15771	2.83E-04	1.3E-05	0.00057	1.7E-07	0.00087	3.46E-04	1.56541E-05	0.000698	9.41E-08	1.06E-03	0.000305	1.2E-05	0.001504	9.72E-08
2677	490810.04	3858960.04	0.15253	0.14937	0.10757	0.15454	2.78E-04	1.3E-05	0.00057	1.6E-07	0.00086	3.41E-04	1.55759E-05	0.000699	9.22E-08	1.06E-03	0.0003	1.2E-05	0.001505	9.53E-08
2678	490860.04	3858960.04	0.14976	0.14855	0.10759	0.15062	2.73E-04	1.3E-05	0.00057	1.6E-07	0.00086	3.35E-04	1.54904E-05	0.000699	8.99E-08	1.05E-03	0.000295	1.19E-05	0.001505	9.29E-08
2679	490360.04	3859010.04	0.16794	0.14501	0.10042	0.1685	3.06E-04	1.2E-05	0.00053	1.8E-07	0.00085	3.75E-04	1.51212E-05	0.000652	1.01E-07	1.04E-03	0.000331	1.16E-05	0.001405	1.04E-07
2680	490410.04	3859010.04	0.16535	0.14562	0.10112	0.16666	3.01E-04	1.2E-05	0.00054	1.8E-07	0.00085	3.69E-04	1.51848E-05	0.000657	9.95E-08	1.04E-03	0.000326	1.17E-05	0.001415	1.03E-07

2681	490460.04	3859010.04	0.16252	0.14618	0.10181	0.16412	2.96E-04	1.2E-05	0.00054	1.8E-07	0.00085	3.63E-04	1.52432E-05	0.000661	9.8E-08	1.04E-03	0.00032	1.17E-05	0.001424	1.01E-07
2682	490510.04	3859010.04	0.15973	0.14646	0.10238	0.16144	2.91E-04	1.2E-05	0.00054	1.7E-07	0.00085	3.57E-04	1.52724E-05	0.000665	9.64E-08	1.04E-03	0.000315	1.17E-05	0.001432	9.95E-08
2683	490560.04	3859010.04	0.15773	0.14628	0.10275	0.16006	2.88E-04	1.2E-05	0.00055	1.7E-07	0.00085	3.52E-04	1.52537E-05	0.000667	9.55E-08	1.04E-03	0.000311	1.17E-05	0.001437	9.87E-08
2684	490610.04	3859010.04	0.15506	0.14621	0.10318	0.15713	2.83E-04	1.2E-05	0.00055	1.7E-07	0.00084	3.46E-04	1.52464E-05	0.00067	9.38E-08	1.03E-03	0.000305	1.17E-05	0.001443	9.69E-08
2685	490660.04	3859010.04	0.15336	0.14578	0.1034	0.15598	2.80E-04	1.2E-05	0.00055	1.7E-07	0.00084	3.43E-04	1.52015E-05	0.000672	9.31E-08	1.03E-03	0.000302	1.17E-05	0.001446	9.62E-08
2686	490710.04	3859010.04	0.15071	0.14545	0.10369	0.15261	2.75E-04	1.2E-05	0.00055	1.6E-07	0.00084	3.37E-04	1.51671E-05	0.000673	9.11E-08	1.03E-03	0.000297	1.17E-05	0.001451	9.41E-08
2687	490760.04	3859010.04	0.14825	0.14487	0.10388	0.14948	2.70E-04	1.2E-05	0.00055	1.6E-07	0.00083	3.31E-04	1.51066E-05	0.000675	8.92E-08	1.02E-03	0.000292	1.16E-05	0.001453	9.22E-08
2688	490810.04	3859010.04	0.14579	0.14419	0.10401	0.14615	2.66E-04	1.2E-05	0.00055	1.6E-07	0.00083	3.26E-04	1.50357E-05	0.000676	8.72E-08	1.02E-03	0.000287	1.16E-05	0.001455	9.01E-08
2689	490860.04	3859010.04	0.14351	0.14345	0.1041	0.14307	2.62E-04	1.2E-05	0.00055	1.5E-07	0.00083	3.21E-04	1.49586E-05	0.000676	8.54E-08	1.01E-03	0.000283	1.15E-05	0.001456	8.82E-08
2690	490360.04	3859060.04	0.15975	0.13881	0.0964	0.16031	2.91E-04	1.2E-05	0.00051	1.7E-07	0.00082	3.57E-04	1.44747E-05	0.000626	9.57E-08	9.98E-04	0.000315	1.11E-05	0.001349	9.88E-08
2691	490410.04	3859060.04	0.15703	0.13982	0.09721	0.1579	2.86E-04	1.2E-05	0.00052	1.7E-07	0.00081	3.51E-04	1.458E-05	0.000631	9.42E-08	9.97E-04	0.000309	1.12E-05	0.00136	9.74E-08
2692	490460.04	3859060.04	0.1546	0.14038	0.09784	0.1558	2.82E-04	1.2E-05	0.00052	1.7E-07	0.00081	3.45E-04	1.46384E-05	0.000635	9.3E-08	9.96E-04	0.000304	1.13E-05	0.001369	9.61E-08
2693	490510.04	3859060.04	0.15236	0.14068	0.09838	0.15383	2.78E-04	1.2E-05	0.00052	1.6E-07	0.00081	3.40E-04	1.46697E-05	0.000639	9.18E-08	9.94E-04	0.0003	1.13E-05	0.001376	9.48E-08
2694	490560.04	3859060.04	0.14986	0.14088	0.09894	0.15111	2.73E-04	1.2E-05	0.00053	1.6E-07	0.00081	3.35E-04	1.46906E-05	0.000643	9.02E-08	9.92E-04	0.000295	1.13E-05	0.001384	9.32E-08
2695	490610.04	3859060.04	0.14797	0.14079	0.09933	0.14937	2.70E-04	1.2E-05	0.00053	1.6E-07	0.00081	3.31E-04	1.46812E-05	0.000645	8.92E-08	9.90E-04	0.000291	1.13E-05	0.00139	9.21E-08
2696	490660.04	3859060.04	0.14618	0.14056	0.09966	0.14769	2.66E-04	1.2E-05	0.00053	1.6E-07	0.00081	3.27E-04	1.46572E-05	0.000647	8.81E-08	9.89E-04	0.000288	1.13E-05	0.001394	9.11E-08
2697	490710.04	3859060.04	0.14369	0.14024	0.10001	0.14436	2.62E-04	1.2E-05	0.00053	1.5E-07	0.00081	3.21E-04	1.46238E-05	0.00065	8.62E-08	9.85E-04	0.000283	1.12E-05	0.001399	8.9E-08
2698	490760.04	3859060.04	0.14138	0.13973	0.10026	0.14127	2.58E-04	1.2E-05	0.00053	1.5E-07	0.0008	3.16E-04	1.45706E-05	0.000651	8.43E-08	9.82E-04	0.000278	1.12E-05	0.001403	8.71E-08
2699	490810.04	3859060.04	0.13905	0.13914	0.10048	0.13791	2.53E-04	1.2E-05	0.00053	1.5E-07	0.0008	3.11E-04	1.45091E-05	0.000653	8.23E-08	9.78E-04	0.000274	1.12E-05	0.001406	8.5E-08
2700	490860.04	3859060.04	0.13693	0.13741	0.10062	0.13484	2.50E-04	1.2E-05	0.00053	1.4E-07	0.0008	3.06E-04	1.43287E-05	0.000654	8.05E-08	9.74E-04	0.00027	1.1E-05	0.001408	8.31E-08
2701	490360.04	3859110.04	0.15196	0.13244	0.09247	0.15295	2.77E-04	1.1E-05	0.00049	1.6E-07	0.00078	3.39E-04	1.38105E-05	0.000601	9.13E-08	9.54E-04	0.000299	1.06E-05	0.001294	9.43E-08
2702	490410.04	3859110.04	0.14957	0.13359	0.09326	0.15081	2.73E-04	1.1E-05	0.0005	1.6E-07	0.00078	3.34E-04	1.39304E-05	0.000606	9E-08	9.54E-04	0.000295	1.07E-05	0.001305	9.3E-08
2703	490460.04	3859110.04	0.14762	0.13424	0.09385	0.14932	2.69E-04	1.1E-05	0.0005	1.6E-07	0.00078	3.30E-04	1.39982E-05	0.00061	8.91E-08	9.53E-04	0.000291	1.08E-05	0.001313	9.21E-08
2704	490510.04	3859110.04	0.14475	0.13501	0.09457	0.14583	2.64E-04	1.1E-05	0.0005	1.6E-07	0.00078	3.23E-04	1.40785E-05	0.000614	8.7E-08	9.52E-04	0.000285	1.08E-05	0.001323	8.99E-08
2705	490560.04	3859110.04	0.14271	0.13529	0.0951	0.14365	2.60E-04	1.2E-05	0.00051	1.5E-07	0.00078	3.19E-04	1.41077E-05	0.000618	8.57E-08	9.51E-04	0.000281	1.09E-05	0.00133	8.86E-08
2706	490610.04	3859110.04	0.14052	0.13543	0.09559	0.14098	2.56E-04	1.2E-05	0.00051	1.5E-07	0.00078	3.14E-04	1.41223E-05	0.000621	8.41E-08	9.49E-04	0.000277	1.09E-05	0.001337	8.69E-08
2707	490660.04	3859110.04	0.13812	0.13529	0.09602	0.13768	2.52E-04	1.2E-05	0.00051	1.5E-07	0.00077	3.09E-04	1.41077E-05	0.000624	8.22E-08	9.46E-04	0.000272	1.09E-05	0.001343	8.49E-08
2708	490710.04	3859110.04	0.13647	0.13502	0.09635	0.13581	2.49E-04	1.1E-05	0.00051	1.4E-07	0.00077	3.05E-04	1.40795E-05	0.000626	8.11E-08	9.45E-04	0.000269	1.08E-05	0.001348	8.37E-08
2709	490760.04	3859110.04	0.13449	0.13465	0.09666	0.13307	2.45E-04	1.1E-05	0.00051	1.4E-07	0.00077	3.00E-04	1.40409E-05	0.000628	7.94E-08	9.42E-04	0.000265	1.08E-05	0.001352	8.2E-08
2710	490810.04	3859110.04	0.13222	0.13336	0.09694	0.12951	2.41E-04	1.1E-05	0.00052	1.4E-07	0.00077	2.95E-04	1.39064E-05	0.00063	7.73E-08	9.39E-04	0.00026	1.07E-05	0.001356	7.99E-08
2711	490860.04	3859110.04	0.13001	0.13234	0.09718	0.12596	2.37E-04	1.1E-05	0.00052	1.3E-07	0.00076	2.90E-04	1.38E-05	0.000631	7.52E-08	9.35E-04	0.000256	1.06E-05	0.001359	7.77E-08
2712	490360.04	3859160.04	0.14451	0.12607	0.08874	0.14608	2.63E-04	1.1E-05	0.00047	1.6E-07	0.00075	3.23E-04	1.31462E-05	0.000576	8.72E-08	9.12E-04	0.000285	1.01E-05	0.001241	9.01E-08
2713	490410.04	3859160.04	0.14253	0.12731	0.08946	0.14441	2.60E-04	1.1E-05	0.00048	1.5E-07	0.00075	3.18E-04	1.32755E-05	0.000581	8.62E-08	9.13E-04	0.000281	1.02E-05	0.001251	8.9E-08
2714	490460.04	3859160.04	0.14059	0.12825	0.09009	0.14266	2.56E-04	1.1E-05	0.00048	1.5E-07	0.00075	3.14E-04	1.33735E-05	0.000585	8.51E-08	9.13E-04	0.000277	1.03E-05	0.00126	8.8E-08
2715	490510.04	3859160.04	0.13856	0.12901	0.0907	0.14053	2.53E-04	1.1E-05	0.00048	1.5E-07	0.00075	3.10E-04	1.34528E-05	0.000589	8.39E-08	9.12E-04	0.000273	1.03E-05	0.001269	8.66E-08
2716	490560.04	3859160.04	0.13619	0.12962	0.09133	0.13742	2.48E-04	1.1E-05	0.00049	1.5E-07	0.00074	3.04E-04	1.35164E-05	0.000593	8.2E-08	9.11E-04	0.000268	1.04E-05	0.001278	8.47E-08
2717	490610.04	3859160.04	0.13442	0.1299	0.09181	0.13537	2.45E-04	1.1E-05	0.00049	1.4E-07	0.00074	3.00E-04	1.35456E-05	0.000596	8.08E-08	9.10E-04	0.000265	1.04E-05	0.001284	8.35E-08
2718	490660.04	3859160.04	0.13117	0.12992	0.09232	0.13002	2.39E-04	1.1E-05	0.00049	1.4E-07	0.00074	2.93E-04	1.35477E-05	0.0006	7.76E-08	9.06E-04	0.000258	1.04E-05	0.001291	8.02E-08
2719	490710.04	3859160.04	0.1296	0.12981	0.09271	0.12798	2.36E-04	1.1E-05	0.00049	1.4E-07	0.00074	2.89E-04	1.35362E-05	0.000602	7.64E-08	9.05E-04	0.000255	1.04E-05	0.001297	7.89E-08
2720	490760.04	3859160.04	0.12705	0.12892	0.0931	0.12366	2.32E-04	1.1E-05	0.00049	1.3E-07	0.00074	2.84E-04	1.34434E-05	0.000605	7.38E-08	9.02E-04	0.00025	1.03E-05	0.001302	7.62E-08
2721	490810.04	3859160.04	0.12551	0.12835	0.09343	0.12139	2.29E-04	1.1E-05	0.0005	1.3E-07	0.00074	2.80E-04	1.3384E-05	0.000607	7.25E-08	9.01E-04	0.000247	1.03E-05	0.001307	7.48E-08
2722	490860.04	3859160.04	0.12382	0.12757	0.0937	0.11876	2.26E-04	1.1E-05	0.0005	1.3E-07	0.00073	2.77E-04	1.33026E-05	0.000609	7.09E-08	8.99E-04	0.000244	1.02E-05	0.001311	7.32E-08
2723	490360.04	3859210.04	0.13735	0.11992	0.08529	0.13938	2.50E-04	1E-05	0.00045	1.5E-07	0.00071	3.07E-04	1.25049E-05	0.000554	8.32E-08	8.73E-04	0.000271	9.62E-06	0.001193	8.59E-08
2724	490410.04	3859210.04	0.13613	0.12089	0.08578	0.13895	2.48E-04	1E-05	0.00046	1.5E-07	0.00071	3.04E-04	1.26061E-05	0.000557	8.29E-08	8.74E-04	0.000268	9.7E-06	0.0012	8.57E-08
2725	490460.04	3859210.04	0.13389	0.12231	0.08655	0.13641	2.44E-04	1E-05	0.00046	1.5E-07	0.00071	2.99E-04	1.27541E-05	0.000562	8.14E-08	8.74E-04	0.000264	9.81E-06	0.001211	8.41E-08
2726	490510.04	3859210.04	0.13201	0.12324	0.08714	0.13433	2.41E-04	1E-05	0.00046	1.4E-07	0.00071	2.95E-04	1.28511E-05	0.000566	8.02E-08	8.74E-04	0.00026	9.89E-06	0.001219	8.28E-08
2727	490560.04	3859210.04	0.13055	0.12385	0.08764	0.13287	2.38E-04	1.1E-05	0.00047	1.4E-07	0.00071	2.92E-04	1.29147E-05	0.000569	7.93E-08	8.74E-04	0.000257	9.93E-06	0.001226	8.19E-08
2728	490610.04	3859210.04	0.12866	0.12438	0.08817	0.13031	2.35E-04	1.1E-05	0.00047	1.4E-07	0.00071	2.87E-04	1.297E-05	0.000573	7.78E-08	8.73E-04	0.000253	9.98E-06	0.001233	8.03E-08
2729	490660.04	3859210.04	0.12592	0.12463	0.08868	0.12584	2.30E-04	1.1E-05	0.00047	1.3E-07	0.00071	2.81E-04	1.29961E-05	0.000576	7.51E-08	8.70E-04	0.000248	1E-05	0.001241	7.76E-08
2730	490710.04	3859210.04	0.12414	0.1247	0.08908	0.12337	2.26E-04	1.1E-05	0.00047	1.3E-07	0.00071	2.77E-04	1.30034E-05	0.000579	7.36E-08	8.69E-04	0.000244	1E-05	0.001246	7.61E-08
2731	490760.04	3859210.04	0.12176	0.12407	0.08953	0.11891	2.22E-04	1.1E-05	0.00048	1.3E-07	0.00071	2.72E-04	1.29377E-05	0.000582	7.1E-08	8.67E-04	0.00024	9.95E-06	0.001252	7.33E-08
2732	490810.04	3859210.04	0.12113	0.12395	0.08989	0.11848	2.21E-04	1.1E-05	0.00048	1.3E-07	0.00071	2.71E-04	1.29252E-05	0.000584	7.07E-08	8.67E-04	0.000239	9.94E-06	0.001257	7.31E-08
2733	490860.04	3859210.04	0.12041	0.12369	0.09022	0.1178	2.19E-04	1.1E-05	0.00048	1.3E-07	0.00071	2.69E-04	1.2898E-05	0.000586	7.03E-08	8.68E-04	0.000237	9.92E-06	0.001262	7.26E-08
2734	490360.04	3859260.04	0.13043	0.11424	0.08223	0.13258	2.38E-04	9.7E-06	0.00044	1.4E-07	0.00068	2.91E-04	1.19126E-05	0.000534	7.91E-08	8.37E-04	0.000257	9.16E-06	0.00115	8.17E-08
2735	490410.04	3859260.04	0.12927	0.11532	0.08268	0.13207	2.36E-04	9.8E-06	0.00044	1.4E-07	0.00068	2.89E-04	1.20252E-05	0.000537	7.88E-08	8.38E-04	0.000255	9.25E-06	0.001157	8.14E-08
2736	490460.04	3859260.04	0.12822	0.11621	0.0831	0.13166	2.34E-04	9.9E-06	0.00044	1.4E-07	0.00069	2.86E-04	1.21181E-05	0.00054	7.86E-08	8.38E-04	0.000253	9.32E-06	0.001162	8.12E-08
2737	490510.04	3859260.04	0.12712	0.11703	0.08353	0.13107	2.32E-04	1E-05	0.00044	1.4E-07	0.00069	2.84E-04	1.22036E-05	0.000543	7.82E-08	8.39E-04	0.00025	9.39E-06	0.001169	8.08E-08
2738	490560.04	3859260.04	0.12561	0.11799	0.08408	0.12934	2.29E-04	1E-05	0.00045	1.4E-07	0.00069	2.81E-04	1.23037E-05	0.000546	7.72E-08	8.39E-04	0.000247	9.46E-06	0.001176	7.97E-08
2739	490610.04	3859260.04	0.12347	0.11887	0.08468	0.12616	2.25E-04	1E-05	0.00045	1.3E-07	0.00069	2.76E-04	1.23954E-05	0.00055	7.53E-08	8.38E-04	0.000243	9.54E-06	0.001185	7.78E-08
2740	490660.04	3859260.04	0.12277	0.11927	0.08508	0.1258	2.24E-04	1E-05	0.00045	1.3E-07	0.00069	2.74E-04	1.24371E-05	0.000553	7.51E-08	8.39E-04	0.000242	9.57E-06	0.00119	7.76E-08
2741	490710.04	3859260.04	0.12139	0.11964	0.08552	0.12412	2.21E-04	1E-05	0.00045	1.3E-07	0.00069	2.71E-04	1.24757E-05	0.000555	7.41E-08	8.39E-04	0.000239	9.6E-06	0.001196	7.65E-08

2742	490760.04	3859260.04	0.11914	0.1198	0.08599	0.11996	2.17E-04	1E-05	0.00046	1.3E-07	0.00068	2.66E-04	1.24924E-05	0.000559	7.16E-08	8.37E-04	0.000235	9.61E-06	0.001203	7.4E-08
2743	490810.04	3859260.04	0.1183	0.11988	0.08638	0.11898	2.16E-04	1E-05	0.00046	1.3E-07	0.00068	2.64E-04	1.25007E-05	0.000561	7.1E-08	8.38E-04	0.000233	9.62E-06	0.001208	7.34E-08
2744	490860.04	3859260.04	0.11745	0.11987	0.08676	0.11792	2.14E-04	1E-05	0.00046	1.3E-07	0.00069	2.62E-04	1.24997E-05	0.000564	7.04E-08	8.38E-04	0.000231	9.62E-06	0.001214	7.27E-08
2745	490360.04	3859310.04	0.12436	0.10847	0.07922	0.12683	2.27E-04	9.2E-06	0.00042	1.4E-07	0.00066	2.78E-04	1.13109E-05	0.000515	7.57E-08	8.04E-04	0.000245	8.7E-06	0.001108	7.82E-08
2746	490410.04	3859310.04	0.12342	0.10956	0.07961	0.12655	2.25E-04	9.3E-06	0.00042	1.3E-07	0.00066	2.76E-04	1.14246E-05	0.000517	7.55E-08	8.04E-04	0.000243	8.79E-06	0.001114	7.8E-08
2747	490460.04	3859310.04	0.1225	0.11054	0.07999	0.12625	2.23E-04	9.4E-06	0.00043	1.3E-07	0.00066	2.74E-04	1.15268E-05	0.00052	7.54E-08	8.05E-04	0.000241	8.87E-06	0.001119	7.78E-08
2748	490510.04	3859310.04	0.1217	0.11135	0.08034	0.12611	2.22E-04	9.5E-06	0.00043	1.3E-07	0.00066	2.72E-04	1.16113E-05	0.000522	7.53E-08	8.05E-04	0.00024	8.93E-06	0.001124	7.78E-08
2749	490560.04	3859310.04	0.12083	0.11218	0.08073	0.12568	2.20E-04	9.5E-06	0.00043	1.3E-07	0.00066	2.70E-04	1.16978E-05	0.000524	7.5E-08	8.06E-04	0.000238	9E-06	0.001129	7.75E-08
2750	490610.04	3859310.04	0.12005	0.11289	0.08113	0.1253	2.19E-04	9.6E-06	0.00043	1.3E-07	0.00066	2.68E-04	1.17719E-05	0.000527	7.48E-08	8.07E-04	0.000236	9.06E-06	0.001135	7.73E-08
2751	490660.04	3859310.04	0.11902	0.11362	0.08158	0.12427	2.17E-04	9.7E-06	0.00043	1.3E-07	0.00066	2.66E-04	1.1848E-05	0.00053	7.42E-08	8.08E-04	0.000234	9.11E-06	0.001141	7.66E-08
2752	490710.04	3859310.04	0.11718	0.11444	0.08217	0.12126	2.14E-04	9.7E-06	0.00044	1.3E-07	0.00066	2.62E-04	1.19335E-05	0.000534	7.24E-08	8.07E-04	0.000231	9.18E-06	0.001149	7.48E-08
2753	490760.04	3859310.04	0.11595	0.11491	0.08262	0.11947	2.11E-04	9.8E-06	0.00044	1.3E-07	0.00066	2.59E-04	1.19825E-05	0.000537	7.13E-08	8.08E-04	0.000228	9.22E-06	0.001156	7.37E-08
2754	490810.04	3859310.04	0.11516	0.11516	0.08302	0.11855	2.10E-04	9.8E-06	0.00044	1.3E-07	0.00066	2.57E-04	1.20086E-05	0.000539	7.08E-08	8.09E-04	0.000227	9.24E-06	0.001161	7.31E-08
2755	490860.04	3859310.04	0.11397	0.11532	0.08342	0.11664	2.08E-04	9.8E-06	0.00044	1.2E-07	0.00066	2.55E-04	1.20252E-05	0.000542	6.96E-08	8.09E-04	0.000224	9.25E-06	0.001167	7.19E-08
2756	490360.04	3859360.04	0.11865	0.10307	0.07643	0.12133	2.16E-04	8.8E-06	0.00041	1.3E-07	0.00063	2.65E-04	1.07478E-05	0.000496	7.24E-08	7.72E-04	0.000234	8.27E-06	0.001069	7.48E-08
2757	490410.04	3859360.04	0.11803	0.10392	0.07667	0.12151	2.15E-04	8.8E-06	0.00041	1.3E-07	0.00063	2.64E-04	1.08365E-05	0.000498	7.25E-08	7.73E-04	0.000232	8.34E-06	0.001073	7.49E-08
2758	490460.04	3859360.04	0.11743	0.10475	0.07692	0.1217	2.14E-04	8.9E-06	0.00041	1.3E-07	0.00063	2.62E-04	1.0923E-05	0.0005	7.26E-08	7.73E-04	0.000231	8.4E-06	0.001076	7.5E-08
2759	490510.04	3859360.04	0.1168	0.10561	0.07722	0.12177	2.13E-04	9E-06	0.00041	1.3E-07	0.00063	2.61E-04	1.10127E-05	0.000502	7.27E-08	7.74E-04	0.00023	8.47E-06	0.00108	7.51E-08
2760	490560.04	3859360.04	0.116	0.10661	0.07765	0.12136	2.11E-04	9.1E-06	0.00041	1.3E-07	0.00063	2.59E-04	1.1117E-05	0.000504	7.24E-08	7.75E-04	0.000228	8.55E-06	0.001086	7.48E-08
2761	490610.04	3859360.04	0.11517	0.10753	0.07806	0.1208	2.10E-04	9.2E-06	0.00041	1.3E-07	0.00063	2.57E-04	1.12129E-05	0.000507	7.21E-08	7.76E-04	0.000227	8.63E-06	0.001092	7.45E-08
2762	490660.04	3859360.04	0.1144	0.10831	0.07846	0.12031	2.09E-04	9.2E-06	0.00042	1.3E-07	0.00063	2.56E-04	1.12943E-05	0.00051	7.18E-08	7.77E-04	0.000225	8.69E-06	0.001098	7.42E-08
2763	490710.04	3859360.04	0.11332	0.10914	0.07893	0.11897	2.07E-04	9.3E-06	0.00042	1.3E-07	0.00064	2.53E-04	1.13808E-05	0.000513	7.1E-08	7.77E-04	0.000223	8.75E-06	0.001104	7.34E-08
2764	490760.04	3859360.04	0.1121	0.10986	0.07941	0.11715	2.04E-04	9.3E-06	0.00042	1.2E-07	0.00064	2.50E-04	1.14559E-05	0.000516	6.99E-08	7.78E-04	0.000221	8.81E-06	0.001111	7.22E-08
2765	490810.04	3859360.04	0.11168	0.11026	0.07977	0.11705	2.04E-04	9.4E-06	0.00042	1.2E-07	0.00064	2.49E-04	1.14976E-05	0.000518	6.99E-08	7.79E-04	0.00022	8.84E-06	0.001116	7.22E-08
2766	490860.04	3859360.04	0.11082	0.11068	0.08019	0.11585	2.02E-04	9.4E-06	0.00043	1.2E-07	0.00064	2.48E-04	1.15414E-05	0.000521	6.91E-08	7.80E-04	0.000218	8.88E-06	0.001122	7.14E-08
2767	490360.04	3859410.04	0.1132	0.09807	0.07386	0.11614	2.06E-04	8.3E-06	0.00039	1.2E-07	0.00061	2.53E-04	1.02265E-05	0.00048	6.93E-08	7.43E-04	0.000223	7.87E-06	0.001033	7.16E-08
2768	490410.04	3859410.04	0.11276	0.09878	0.074	0.11641	2.06E-04	8.4E-06	0.00039	1.2E-07	0.00061	2.52E-04	1.03005E-05	0.000481	6.95E-08	7.43E-04	0.000222	7.92E-06	0.001035	7.18E-08
2769	490460.04	3859410.04	0.11231	0.09954	0.07419	0.11667	2.05E-04	8.5E-06	0.00039	1.2E-07	0.00061	2.51E-04	1.03797E-05	0.000482	6.96E-08	7.43E-04	0.000221	7.98E-06	0.001038	7.19E-08
2770	490510.04	3859410.04	0.11183	0.10037	0.07444	0.11687	2.04E-04	8.5E-06	0.0004	1.2E-07	0.00061	2.50E-04	1.04663E-05	0.000484	6.98E-08	7.44E-04	0.00022	8.05E-06	0.001041	7.21E-08
2771	490560.04	3859410.04	0.11133	0.1012	0.07472	0.117	2.03E-04	8.6E-06	0.0004	1.2E-07	0.00061	2.49E-04	1.05528E-05	0.000485	6.98E-08	7.45E-04	0.000219	8.12E-06	0.001045	7.21E-08
2772	490610.04	3859410.04	0.11081	0.10205	0.07504	0.11702	2.02E-04	8.7E-06	0.0004	1.2E-07	0.00061	2.48E-04	1.06415E-05	0.000487	6.98E-08	7.46E-04	0.000218	8.19E-06	0.00105	7.22E-08
2773	490660.04	3859410.04	0.11005	0.10306	0.07549	0.11642	2.01E-04	8.8E-06	0.0004	1.2E-07	0.00061	2.46E-04	1.07468E-05	0.00049	6.95E-08	7.47E-04	0.000217	8.27E-06	0.001056	7.18E-08
2774	490710.04	3859410.04	0.10929	0.10392	0.0759	0.11582	1.99E-04	8.8E-06	0.0004	1.2E-07	0.00061	2.44E-04	1.08365E-05	0.000493	6.91E-08	7.48E-04	0.000215	8.34E-06	0.001062	7.14E-08
2775	490760.04	3859410.04	0.10829	0.10481	0.07636	0.11445	1.97E-04	8.9E-06	0.00041	1.2E-07	0.00061	2.42E-04	1.09293E-05	0.000496	6.83E-08	7.49E-04	0.000213	8.41E-06	0.001068	7.06E-08
2776	490810.04	3859410.04	0.10785	0.10537	0.07671	0.11429	1.97E-04	9E-06	0.00041	1.2E-07	0.00061	2.41E-04	1.09877E-05	0.000498	6.82E-08	7.50E-04	0.000212	8.45E-06	0.001073	7.05E-08
2777	490860.04	3859410.04	0.10757	0.10578	0.07703	0.1145	1.96E-04	9E-06	0.00041	1.2E-07	0.00061	2.40E-04	1.10304E-05	0.0005	6.83E-08	7.52E-04	0.000212	8.49E-06	0.001078	7.06E-08
2778	490360.04	3859460.04	0.10801	0.09365	0.07155	0.11126	1.97E-04	8E-06	0.00038	1.2E-07	0.00059	2.41E-04	9.76556E-06	0.000465	6.64E-08	7.16E-04	0.000213	7.51E-06	0.001001	6.86E-08
2779	490410.04	3859460.04	0.1077	0.0943	0.07168	0.11141	1.96E-04	8E-06	0.00038	1.2E-07	0.00059	2.41E-04	9.83334E-06	0.000466	6.65E-08	7.16E-04	0.000212	7.56E-06	0.001003	6.87E-08
2780	490460.04	3859460.04	0.10738	0.09492	0.07178	0.11168	1.96E-04	8.1E-06	0.00038	1.2E-07	0.00059	2.40E-04	9.89799E-06	0.000466	6.67E-08	7.16E-04	0.000211	7.61E-06	0.001004	6.89E-08
2781	490510.04	3859460.04	0.10704	0.09563	0.07195	0.11193	1.95E-04	8.1E-06	0.00038	1.2E-07	0.00059	2.39E-04	9.97203E-06	0.000467	6.68E-08	7.16E-04	0.000211	7.67E-06	0.001007	6.9E-08
2782	490560.04	3859460.04	0.10667	0.09634	0.07214	0.1122	1.94E-04	8.2E-06	0.00038	1.2E-07	0.00059	2.38E-04	1.00461E-05	0.000469	6.7E-08	7.17E-04	0.00021	7.73E-06	0.001009	6.92E-08
2783	490610.04	3859460.04	0.10626	0.09719	0.07242	0.11231	1.94E-04	8.3E-06	0.00038	1.2E-07	0.00059	2.37E-04	1.01347E-05	0.00047	6.7E-08	7.18E-04	0.000209	7.8E-06	0.001013	6.92E-08
2784	490660.04	3859460.04	0.1058	0.09809	0.07276	0.11224	1.93E-04	8.3E-06	0.00039	1.2E-07	0.00059	2.36E-04	1.02285E-05	0.000473	6.7E-08	7.19E-04	0.000208	7.87E-06	0.001018	6.92E-08
2785	490710.04	3859460.04	0.10535	0.09882	0.07304	0.11231	1.92E-04	8.4E-06	0.00039	1.2E-07	0.00059	2.35E-04	1.03047E-05	0.000474	6.7E-08	7.20E-04	0.000207	7.93E-06	0.001022	6.92E-08
2786	490760.04	3859460.04	0.10481	0.09968	0.07342	0.11196	1.91E-04	8.5E-06	0.00039	1.2E-07	0.00059	2.34E-04	1.03943E-05	0.000477	6.68E-08	7.21E-04	0.000206	8E-06	0.001027	6.9E-08
2787	490810.04	3859460.04	0.10425	0.10044	0.0738	0.11154	1.90E-04	8.5E-06	0.00039	1.2E-07	0.00059	2.33E-04	1.04736E-05	0.000479	6.66E-08	7.23E-04	0.000205	8.06E-06	0.001032	6.88E-08
2788	490860.04	3859460.04	0.10393	0.10097	0.07409	0.11166	1.89E-04	8.6E-06	0.00039	1.2E-07	0.00059	2.32E-04	1.05289E-05	0.000481	6.66E-08	7.24E-04	0.000205	8.1E-06	0.001036	6.88E-08
2789	490360.04	3859510.04	0.1029	0.08976	0.0695	0.10705	1.88E-04	7.6E-06	0.00037	1.1E-07	0.00056	2.30E-04	9.35992E-06	0.000451	6.39E-08	6.91E-04	0.000203	7.2E-06	0.000972	6.6E-08
2790	490410.04	3859510.04	0.10282	0.09015	0.06948	0.10726	1.87E-04	7.7E-06	0.00037	1.1E-07	0.00056	2.30E-04	9.40059E-06	0.000451	6.4E-08	6.90E-04	0.000203	7.23E-06	0.000972	6.61E-08
2791	490460.04	3859510.04	0.10266	0.0907	0.06956	0.10707	1.87E-04	7.7E-06	0.00037	1.1E-07	0.00056	2.29E-04	9.45794E-06	0.000452	6.39E-08	6.91E-04	0.000202	7.28E-06	0.000973	6.6E-08
2792	490510.04	3859510.04	0.10243	0.09127	0.06966	0.1073	1.87E-04	7.8E-06	0.00037	1.1E-07	0.00056	2.29E-04	9.51738E-06	0.000452	6.4E-08	6.91E-04	0.000202	7.32E-06	0.000974	6.62E-08
2793	490560.04	3859510.04	0.10219	0.09191	0.06979	0.10755	1.86E-04	7.8E-06	0.00037	1.1E-07	0.00057	2.28E-04	9.58411E-06	0.000453	6.42E-08	6.91E-04	0.000201	7.37E-06	0.000976	6.63E-08
2794	490610.04	3859510.04	0.10192	0.09265	0.07	0.10775	1.86E-04	7.9E-06	0.00037	1.1E-07	0.00057	2.28E-04	9.66128E-06	0.000455	6.43E-08	6.92E-04	0.000201	7.43E-06	0.000979	6.64E-08
2795	490660.04	3859510.04	0.10161	0.09342	0.07024	0.10791	1.85E-04	7.9E-06	0.00037	1.2E-07	0.00057	2.27E-04	9.74157E-06	0.000456	6.44E-08	6.93E-04	0.0002	7.49E-06	0.000983	6.65E-08
2796	490710.04	3859510.04	0.10126	0.09422	0.07052	0.10799	1.85E-04	8E-06	0.00037	1.2E-07	0.00057	2.26E-04	9.825E-06	0.000458	6.45E-08	6.94E-04	0.000199	7.56E-06	0.000987	6.66E-08
2797	490760.04	3859510.04	0.10089	0.09499	0.07081	0.10802	1.84E-04	8.1E-06	0.00038	1.2E-07	0.00057	2.25E-04	9.90529E-06	0.00046	6.45E-08	6.95E-04	0.000199	7.62E-06	0.000991	6.66E-08
2798	490810.04	3859510.04	0.10056	0.09567	0.07107	0.10814	1.83E-04	8.1E-06	0.00038	1.2E-07	0.00057	2.25E-04	9.9762E-06	0.000462	6.45E-08	6.96E-04	0.000198	7.67E-06	0.000994	6.67E-08
2799	490860.04	3859510.04	0.10017	0.09638	0.0714	0.10805	1.83E-04	8.2E-06	0.00038	1.2E-07	0.00057	2.24E-04	1.00502E-05	0.000464	6.45E-08	6.98E-04	0.000197	7.73E-06	0.000999	6.66E-08
2800	490360.04	3859560.04	0.09811	0.08628	0.06761	0.10292	1.79E-04	7.3E-06	0.00036	1.1E-07	0.00055	2.19E-04	8.99703E-06	0.000439	6.14E-08	6.67E-04	0.000193	6.92E-06	0.000946	6.35E-08
2801	490410.04	3859560.04	0.09804	0.08651	0.06753	0.10298	1.79E-04	7.4E-06	0.00036	1.1E-07	0.00054	2.19E-04	9.02102E-06	0.000439	6.15E-08	6.67E-04	0.000193	6.94E-06	0.000945	6.35E-08
2802	490460.04	3859560.04	0.098	0.08687	0.06751	0.10314	1.79E-04	7.4E-06	0.00036	1.1E-07	0.00054	2.19E-04	9.05856E-06	0.000438	6.16E-08	6.67E-04	0.000193	6.97E-06	0.000944	6.36E-08

2803	490510.04	3859560.04	0.09805	0.08741	0.0676	0.10298	1.79E-04	7.4E-06	0.00036	1.1E-07	0.00055	2.19E-04	9.11487E-06	0.000439	6.15E-08	6.67E-04	0.000193	7.01E-06	0.000946	6.35E-08
2804	490560.04	3859560.04	0.09788	0.08786	0.06764	0.10321	1.78E-04	7.5E-06	0.00036	1.1E-07	0.00055	2.19E-04	9.16179E-06	0.000439	6.16E-08	6.67E-04	0.000193	7.05E-06	0.000946	6.36E-08
2805	490610.04	3859560.04	0.09772	0.08848	0.06778	0.10341	1.78E-04	7.5E-06	0.00036	1.1E-07	0.00055	2.18E-04	9.22644E-06	0.00044	6.17E-08	6.68E-04	0.000192	7.1E-06	0.000948	6.38E-08
2806	490660.04	3859560.04	0.09754	0.08914	0.06795	0.10363	1.78E-04	7.6E-06	0.00036	1.1E-07	0.00055	2.18E-04	9.29527E-06	0.000441	6.19E-08	6.69E-04	0.000192	7.15E-06	0.000951	6.39E-08
2807	490710.04	3859560.04	0.09731	0.08987	0.06816	0.1038	1.77E-04	7.6E-06	0.00036	1.1E-07	0.00055	2.17E-04	9.37139E-06	0.000443	6.2E-08	6.70E-04	0.000192	7.21E-06	0.000953	6.4E-08
2808	490760.04	3859560.04	0.09703	0.09069	0.06845	0.10382	1.77E-04	7.7E-06	0.00036	1.1E-07	0.00055	2.17E-04	9.4569E-06	0.000445	6.2E-08	6.71E-04	0.000191	7.27E-06	0.000958	6.4E-08
2809	490810.04	3859560.04	0.09674	0.09141	0.0687	0.10392	1.76E-04	7.8E-06	0.00037	1.1E-07	0.00055	2.16E-04	9.53198E-06	0.000446	6.2E-08	6.72E-04	0.000191	7.33E-06	0.000961	6.41E-08
2810	490860.04	3859560.04	0.09642	0.09213	0.06898	0.10391	1.76E-04	7.8E-06	0.00037	1.1E-07	0.00055	2.15E-04	9.60706E-06	0.000448	6.2E-08	6.73E-04	0.00019	7.39E-06	0.000965	6.41E-08
2811	490187.25	3859422.08	0.11295	0.09521	0.07321	0.1147	2.06E-04	8.1E-06	0.00039	1.2E-07	0.0006	2.52E-04	9.92823E-06	0.000476	6.85E-08	7.38E-04	0.000222	7.64E-06	0.001024	7.07E-08
2812	490237.25	3859422.08	0.11275	0.0956	0.07316	0.11484	2.06E-04	8.1E-06	0.00039	1.2E-07	0.0006	2.52E-04	9.9689E-06	0.000475	6.85E-08	7.37E-04	0.000222	7.67E-06	0.001023	7.08E-08
2813	490287.25	3859422.08	0.11248	0.09607	0.07316	0.11464	2.05E-04	8.2E-06	0.00039	1.2E-07	0.0006	2.51E-04	1.00179E-05	0.000475	6.84E-08	7.37E-04	0.000222	7.71E-06	0.001023	7.07E-08
2814	490337.25	3859422.08	0.1121	0.09672	0.07327	0.11479	2.04E-04	8.2E-06	0.00039	1.2E-07	0.0006	2.50E-04	1.00857E-05	0.000476	6.85E-08	7.36E-04	0.000221	7.76E-06	0.001025	7.08E-08
2815	490187.25	3859472.08	0.10731	0.09161	0.0713	0.11017	1.96E-04	7.8E-06	0.00038	1.2E-07	0.00058	2.40E-04	9.55283E-06	0.000463	6.58E-08	7.12E-04	0.000211	7.35E-06	0.000997	6.79E-08
2816	490237.25	3859472.08	0.10714	0.09178	0.07114	0.11015	1.95E-04	7.8E-06	0.00038	1.2E-07	0.00058	2.39E-04	9.57056E-06	0.000462	6.57E-08	7.11E-04	0.000211	7.36E-06	0.000995	6.79E-08
2817	490287.25	3859472.08	0.10706	0.09217	0.07112	0.11022	1.95E-04	7.8E-06	0.00038	1.2E-07	0.00058	2.39E-04	9.61123E-06	0.000462	6.58E-08	7.11E-04	0.000211	7.39E-06	0.000995	6.8E-08
2818	490337.25	3859472.08	0.10688	0.09248	0.07105	0.11041	1.95E-04	7.9E-06	0.00038	1.2E-07	0.00058	2.39E-04	9.64355E-06	0.000461	6.59E-08	7.10E-04	0.00021	7.42E-06	0.000994	6.81E-08
2819	490297.07	3859500.42	0.10404	0.09012	0.06998	0.10773	1.90E-04	7.7E-06	0.00037	1.1E-07	0.00057	2.32E-04	9.39746E-06	0.000455	6.43E-08	6.96E-04	0.000205	7.23E-06	0.000979	6.64E-08
2820	490327.07	3859500.42	0.1039	0.09018	0.06987	0.10781	1.89E-04	7.7E-06	0.00037	1.2E-07	0.00057	2.32E-04	9.40372E-06	0.000454	6.43E-08	6.95E-04	0.000205	7.23E-06	0.000977	6.65E-08
2821	490297.07	3859530.42	0.10098	0.08794	0.06879	0.10526	1.84E-04	7.5E-06	0.00037	1.1E-07	0.00056	2.26E-04	9.17013E-06	0.000447	6.28E-08	6.82E-04	0.000199	7.05E-06	0.000962	6.49E-08
2822	490327.07	3859530.42	0.10095	0.08808	0.06874	0.10526	1.84E-04	7.5E-06	0.00037	1.1E-07	0.00056	2.25E-04	9.18473E-06	0.000446	6.28E-08	6.81E-04	0.000199	7.07E-06	0.000962	6.49E-08
2823	490319.73	3859055.34	0.16261	0.13837	0.09604	0.1627	2.96E-04	1.2E-05	0.00051	1.7E-07	0.00082	3.63E-04	1.44288E-05	0.000624	9.71E-08	1.00E-03	0.00032	1.11E-05	0.001344	1E-07
2824	490319.73	3859105.34	0.15444	0.13201	0.09219	0.15487	2.82E-04	1.1E-05	0.00049	1.7E-07	0.00078	3.45E-04	1.37656E-05	0.000599	9.24E-08	9.58E-04	0.000304	1.06E-05	0.00129	9.55E-08
2825	490069.73	3859155.34	0.15376	0.12052	0.08652	0.14714	2.80E-04	1E-05	0.00046	1.6E-07	0.00075	3.43E-04	1.25675E-05	0.000562	8.78E-08	9.18E-04	0.000303	9.67E-06	0.00121	9.07E-08
2826	490119.73	3859155.34	0.15235	0.12136	0.08671	0.14762	2.78E-04	1E-05	0.00046	1.6E-07	0.00075	3.40E-04	1.26551E-05	0.000563	8.81E-08	9.16E-04	0.0003	9.74E-06	0.001213	9.1E-08
2827	490269.73	3859155.34	0.14827	0.12417	0.08778	0.14836	2.70E-04	1.1E-05	0.00047	1.6E-07	0.00075	3.31E-04	1.29481E-05	0.00057	8.85E-08	9.14E-04	0.000292	9.96E-06	0.001228	9.15E-08
2828	490319.73	3859155.34	0.14667	0.12554	0.08847	0.1477	2.67E-04	1.1E-05	0.00047	1.6E-07	0.00075	3.28E-04	1.3091E-05	0.000575	8.82E-08	9.15E-04	0.000289	1.01E-05	0.001238	9.11E-08
2829	490069.73	3859205.34	0.1449	0.11431	0.08346	0.1397	2.64E-04	9.7E-06	0.00044	1.5E-07	0.00072	3.24E-04	1.19199E-05	0.000542	8.34E-08	8.78E-04	0.000285	9.17E-06	0.001168	8.61E-08
2830	490119.73	3859205.34	0.14377	0.11477	0.08341	0.14037	2.62E-04	9.8E-06	0.00044	1.5E-07	0.00072	3.21E-04	1.19679E-05	0.000542	8.38E-08	8.75E-04	0.000283	9.21E-06	0.001167	8.65E-08
2831	490169.73	3859205.34	0.1427	0.11565	0.08362	0.14081	2.60E-04	9.8E-06	0.00044	1.5E-07	0.00071	3.19E-04	1.20597E-05	0.000543	8.4E-08	8.74E-04	0.000281	9.28E-06	0.00117	8.68E-08
2832	490219.73	3859205.34	0.1416	0.11692	0.08407	0.14092	2.58E-04	9.9E-06	0.00045	1.5E-07	0.00071	3.16E-04	1.21921E-05	0.000546	8.41E-08	8.75E-04	0.000279	9.38E-06	0.001176	8.69E-08
2833	490269.73	3859205.34	0.1403	0.11842	0.08469	0.14059	2.56E-04	1E-05	0.00045	1.5E-07	0.00072	3.13E-04	1.23485E-05	0.00055	8.39E-08	8.76E-04	0.000276	9.5E-06	0.001185	8.67E-08
2834	490319.73	3859205.34	0.13912	0.11949	0.08514	0.14051	2.54E-04	1E-05	0.00045	1.5E-07	0.00072	3.11E-04	1.24601E-05	0.000553	8.39E-08	8.76E-04	0.000274	9.59E-06	0.001191	8.66E-08
2835	490069.73	3859255.34	0.1368	0.10908	0.0809	0.13263	2.49E-04	9.3E-06	0.00043	1.4E-07	0.00069	3.06E-04	1.13746E-05	0.000525	7.92E-08	8.42E-04	0.000269	8.75E-06	0.001132	8.18E-08
2836	490119.73	3859255.34	0.13587	0.10946	0.08078	0.13319	2.48E-04	9.3E-06	0.00043	1.4E-07	0.00069	3.03E-04	1.14142E-05	0.000525	7.95E-08	8.40E-04	0.000268	8.78E-06	0.00113	8.21E-08
2837	490169.73	3859255.34	0.13495	0.11014	0.08086	0.13364	2.46E-04	9.4E-06	0.00043	1.4E-07	0.00069	3.01E-04	1.14851E-05	0.000525	7.98E-08	8.38E-04	0.000266	8.84E-06	0.001131	8.24E-08
2838	490219.73	3859255.34	0.13408	0.11124	0.08119	0.13384	2.44E-04	9.5E-06	0.00043	1.4E-07	0.00069	2.99E-04	1.15998E-05	0.000527	7.99E-08	8.39E-04	0.000264	8.92E-06	0.001136	8.25E-08
2839	490269.73	3859255.34	0.13313	0.11246	0.08161	0.13386	2.43E-04	9.6E-06	0.00043	1.4E-07	0.00069	2.97E-04	1.1727E-05	0.00053	7.99E-08	8.39E-04	0.000262	9.02E-06	0.001142	8.25E-08
2840	490319.73	3859255.34	0.13216	0.11352	0.08198	0.13393	2.41E-04	9.7E-06	0.00044	1.4E-07	0.00069	2.95E-04	1.18375E-05	0.000532	7.99E-08	8.40E-04	0.00026	9.11E-06	0.001147	8.26E-08
2841	490069.73	3859305.34	0.12937	0.10443	0.0786	0.12681	2.36E-04	8.9E-06	0.00042	1.4E-07	0.00066	2.89E-04	1.08897E-05	0.000511	7.57E-08	8.10E-04	0.000255	8.38E-06	0.0011	7.82E-08
2842	490119.73	3859305.34	0.12863	0.10459	0.07837	0.12717	2.34E-04	8.9E-06	0.00042	1.4E-07	0.00066	2.87E-04	1.09063E-05	0.000509	7.59E-08	8.07E-04	0.000253	8.39E-06	0.001096	7.84E-08
2843	490169.73	3859305.34	0.12789	0.10509	0.07834	0.1271	2.33E-04	8.9E-06	0.00042	1.4E-07	0.00066	2.86E-04	1.09585E-05	0.000509	7.59E-08	8.06E-04	0.000252	8.43E-06	0.001096	7.84E-08
2844	490219.73	3859305.34	0.12717	0.10593	0.07851	0.12735	2.32E-04	9E-06	0.00042	1.4E-07	0.00066	2.84E-04	1.10461E-05	0.00051	7.6E-08	8.05E-04	0.00025	8.5E-06	0.001098	7.85E-08
2845	490269.73	3859305.34	0.12646	0.10687	0.07876	0.12757	2.31E-04	9.1E-06	0.00042	1.4E-07	0.00066	2.82E-04	1.11441E-05	0.000512	7.61E-08	8.05E-04	0.000249	8.57E-06	0.001102	7.87E-08
2846	490319.73	3859305.34	0.12567	0.10802	0.07914	0.12756	2.29E-04	9.2E-06	0.00042	1.4E-07	0.00066	2.81E-04	1.1264E-05	0.000514	7.61E-08	8.06E-04	0.000248	8.67E-06	0.001107	7.86E-08
2847	490069.73	3859355.34	0.12229	0.10007	0.07639	0.12121	2.23E-04	8.5E-06	0.00041	1.3E-07	0.00064	2.73E-04	1.0435E-05	0.000496	7.23E-08	7.80E-04	0.000241	8.03E-06	0.001069	7.47E-08
2848	490119.73	3859355.34	0.1217	0.10009	0.07609	0.12137	2.22E-04	8.5E-06	0.0004	1.3E-07	0.00063	2.72E-04	1.04371E-05	0.000494	7.24E-08	7.77E-04	0.00024	8.03E-06	0.001064	7.48E-08
2849	490169.73	3859355.34	0.12126	0.10044	0.07599	0.12163	2.21E-04	8.5E-06	0.0004	1.3E-07	0.00063	2.71E-04	1.04736E-05	0.000494	7.26E-08	7.75E-04	0.000239	8.06E-06	0.001063	7.5E-08
2850	490219.73	3859355.34	0.1208	0.10111	0.07608	0.12143	2.20E-04	8.6E-06	0.0004	1.3E-07	0.00063	2.70E-04	1.05435E-05	0.000494	7.25E-08	7.75E-04	0.000238	8.11E-06	0.001064	7.49E-08
2851	490269.73	3859355.34	0.12024	0.1018	0.07619	0.12168	2.19E-04	8.7E-06	0.0004	1.3E-07	0.00063	2.69E-04	1.06154E-05	0.000495	7.26E-08	7.74E-04	0.000237	8.17E-06	0.001066	7.5E-08
2852	490319.73	3859355.34	0.11969	0.10272	0.07643	0.12182	2.18E-04	8.7E-06	0.00041	1.3E-07	0.00063	2.67E-04	1.07114E-05	0.000496	7.27E-08	7.75E-04	0.000236	8.24E-06	0.001069	7.51E-08
2853	490069.73	3859405.34	0.1157	0.0962	0.07436	0.11631	2.11E-04	8.2E-06	0.0004	1.2E-07	0.00061	2.58E-04	1.00315E-05	0.000483	6.94E-08	7.52E-04	0.000228	7.72E-06	0.00104	7.17E-08
2854	490119.73	3859405.34	0.11533	0.09615	0.07405	0.11625	2.10E-04	8.2E-06	0.00039	1.2E-07	0.00061	2.58E-04	1.00263E-05	0.000481	6.94E-08	7.49E-04	0.000227	7.71E-06	0.001036	7.17E-08
2855	490169.73	3859405.34	0.11503	0.09639	0.07392	0.11631	2.10E-04	8.2E-06	0.00039	1.2E-07	0.00061	2.57E-04	1.00513E-05	0.00048	6.94E-08	7.47E-04	0.000227	7.73E-06	0.001034	7.17E-08
2856	490219.73	3859405.34	0.11477	0.09676	0.07385	0.11648	2.09E-04	8.2E-06	0.00039	1.2E-07	0.00061	2.56E-04	1.00899E-05	0.00048	6.95E-08	7.46E-04	0.000226	7.76E-06	0.001033	7.18E-08
2857	490269.73	3859405.34	0.11447	0.09735	0.07391	0.11623	2.09E-04	8.3E-06	0.00039	1.2E-07	0.00061	2.56E-04	1.01514E-05	0.00048	6.94E-08	7.46E-04	0.000225	7.81E-06	0.001034	7.17E-08
2858	490319.73	3859405.34	0.11405	0.09803	0.07403	0.11638	2.08E-04	8.3E-06	0.00039	1.2E-07	0.00061	2.55E-04	1.02223E-05	0.000481	6.95E-08	7.46E-04	0.000225	7.86E-06	0.001036	7.18E-08
2859	490161.89	3859541.83	0.10001	0.08731	0.06906	0.105	1.82E-04	7.4E-06	0.00037	1.1E-07	0.00056	2.23E-04	9.10444E-06	0.000449	6.27E-08	6.81E-04	0.000197	7E-06	0.000966	6.47E-08
2860	490171.89	3859541.83	0.10001	0.08729	0.06901	0.10492	1.82E-04	7.4E-06	0.00037	1.1E-07	0.00056	2.23E-04	9.10235E-06	0.000448	6.26E-08	6.81E-04	0.000197	7E-06	0.000965	6.47E-08
2861	490161.89	3859551.83	0.09902	0.08678	0.06876	0.10432	1.80E-04	7.4E-06	0.00037	1.1E-07	0.00055	2.21E-04	9.04917E-06	0.000447	6.23E-08	6.77E-04	0.000195	6.96E-06	0.000962	6.43E-08
2862	490171.89	3859551.83	0.09902	0.08674	0.0687	0.10424	1.80E-04	7.4E-06	0.00037	1.1E-07	0.00055	2.21E-04	9.045E-06	0.000446	6.22E-08	6.77E-04	0.000195	6.96E-06	0.000961	6.43E-08
2863	489799.72	3859348.21	0.1255	0.10182	0.07896	0.1238	2.29E-04	8.7E-06	0.00042	1.3E-07	0.00066	2.80E-04	1.06175E-05	0.000513	7.39E-08	8.04E-04	0.000247	8.17E-06	0.001105	7.63E-08

2864	489819.72	3859348.21	0.1254	0.10161	0.07873	0.12348	2.29E-04	8.6E-06	0.00042	1.3E-07	0.00066	2.80E-04	1.05956E-05	0.000511	7.37E-08	8.02E-04	0.000247	8.15E-06	0.001101	7.61E-08
2865	489799.72	3859368.21	0.12234	0.10053	0.07826	0.1222	2.23E-04	8.6E-06	0.00042	1.3E-07	0.00065	2.73E-04	1.0483E-05	0.000508	7.29E-08	7.92E-04	0.000241	8.06E-06	0.001095	7.53E-08
2866	489819.72	3859368.21	0.12231	0.10037	0.07806	0.12185	2.23E-04	8.5E-06	0.00041	1.3E-07	0.00065	2.73E-04	1.04663E-05	0.000507	7.27E-08	7.91E-04	0.000241	8.05E-06	0.001092	7.51E-08
2867	489775.41	3859329.72	0.12861	0.10317	0.07982	0.12576	2.34E-04	8.8E-06	0.00042	1.3E-07	0.00067	2.87E-04	1.07583E-05	0.000518	7.51E-08	8.17E-04	0.000253	8.28E-06	0.001117	7.75E-08
2868	489795.41	3859329.72	0.12851	0.10298	0.0796	0.12544	2.34E-04	8.8E-06	0.00042	1.3E-07	0.00067	2.87E-04	1.07385E-05	0.000517	7.49E-08	8.15E-04	0.000253	8.26E-06	0.001114	7.73E-08
2869	489775.41	3859349.72	0.12532	0.10193	0.07915	0.1241	2.28E-04	8.7E-06	0.00042	1.3E-07	0.00066	2.80E-04	1.0629E-05	0.000514	7.41E-08	8.05E-04	0.000247	8.18E-06	0.001107	7.65E-08
2870	489795.41	3859349.72	0.12528	0.10177	0.07896	0.12375	2.28E-04	8.7E-06	0.00042	1.3E-07	0.00066	2.80E-04	1.06123E-05	0.000513	7.39E-08	8.03E-04	0.000247	8.16E-06	0.001105	7.63E-08
2871	489595.05	3859219.43	0.15236	0.11266	0.08596	0.13937	2.78E-04	9.6E-06	0.00046	1.5E-07	0.00074	3.40E-04	1.17479E-05	0.000558	8.32E-08	9.10E-04	0.0003	9.04E-06	0.001202	8.59E-08
2872	489615.05	3859219.43	0.15215	0.11252	0.08577	0.13895	2.77E-04	9.6E-06	0.00046	1.5E-07	0.00074	3.40E-04	1.17333E-05	0.000557	8.29E-08	9.09E-04	0.0003	9.03E-06	0.0012	8.57E-08
2873	489595.05	3859239.43	0.14754	0.11117	0.08517	0.13742	2.69E-04	9.5E-06	0.00045	1.5E-07	0.00073	3.30E-04	1.15925E-05	0.000553	8.2E-08	8.94E-04	0.000291	8.92E-06	0.001191	8.47E-08
2874	489615.05	3859239.43	0.14742	0.11104	0.08498	0.13697	2.69E-04	9.4E-06	0.00045	1.5E-07	0.00073	3.29E-04	1.15789E-05	0.000552	8.17E-08	8.93E-04	0.00029	8.91E-06	0.001189	8.45E-08
2875	489372.4	3859092.58	0.19976	0.12545	0.09408	0.15901	3.64E-04	1.1E-05	0.0005	1.7E-07	0.00087	4.46E-04	1.30816E-05	0.000611	9.49E-08	1.07E-03	0.000393	1.01E-05	0.001316	9.8E-08
2876	489422.4	3859092.58	0.19766	0.12487	0.09345	0.15771	3.60E-04	1.1E-05	0.0005	1.7E-07	0.00087	4.42E-04	1.30211E-05	0.000607	9.41E-08	1.06E-03	0.000389	1E-05	0.001307	9.72E-08
2877	489372.4	3859142.58	0.17828	0.12124	0.09181	0.15311	3.25E-04	1E-05	0.00049	1.6E-07	0.00082	3.98E-04	1.26426E-05	0.000596	9.14E-08	1.01E-03	0.000351	9.73E-06	0.001284	9.44E-08
2878	489422.4	3859142.58	0.17773	0.12059	0.09121	0.15171	3.24E-04	1E-05	0.00048	1.6E-07	0.00082	3.97E-04	1.25748E-05	0.000592	9.05E-08	1.00E-03	0.00035	9.67E-06	0.001276	9.35E-08
2879	488870.84	3858666.64	0.7829	0.18685	0.12789	0.27063	1.43E-03	1.6E-05	0.00068	2.9E-07	0.00212	1.75E-03	1.94842E-05	0.000831	1.62E-07	2.60E-03	0.001542	1.5E-05	0.001789	1.67E-07
2880	488900.84	3858666.64	0.73507	0.18659	0.12742	0.26979	1.34E-03	1.6E-05	0.00068	2.9E-07	0.00203	1.64E-03	1.94571E-05	0.000828	1.61E-07	2.49E-03	0.001448	1.5E-05	0.001782	1.66E-07
2881	488870.84	3858696.64	0.84976	0.18124	0.12531	0.25928	1.55E-03	1.5E-05	0.00067	2.8E-07	0.00223	1.90E-03	1.88992E-05	0.000814	1.55E-07	2.73E-03	0.001674	1.45E-05	0.001753	1.6E-07
2882	488900.84	3858696.64	0.79061	0.18092	0.12489	0.25827	1.44E-03	1.5E-05	0.00066	2.8E-07	0.00212	1.77E-03	1.88658E-05	0.000811	1.54E-07	2.60E-03	0.001557	1.45E-05	0.001747	1.59E-07
2883	488889.67	3858683.97	0.78463	0.18342	0.12614	0.26329	1.43E-03	1.6E-05	0.00067	2.8E-07	0.00212	1.75E-03	1.91265E-05	0.000819	1.57E-07	2.59E-03	0.001545	1.47E-05	0.001765	1.62E-07
2884	488919.67	3858683.97	0.73607	0.18306	0.12563	0.26246	1.34E-03	1.6E-05	0.00067	2.8E-07	0.00203	1.64E-03	1.9089E-05	0.000816	1.57E-07	2.48E-03	0.00145	1.47E-05	0.001757	1.62E-07
2885	488889.67	3858713.97	0.85219	0.178	0.12364	0.2526	1.55E-03	1.5E-05	0.00066	2.7E-07	0.00223	1.90E-03	1.85613E-05	0.000803	1.51E-07	2.73E-03	0.001678	1.43E-05	0.00173	1.56E-07
2886	488919.67	3858713.97	0.7917	0.17766	0.1232	0.25159	1.44E-03	1.5E-05	0.00065	2.7E-07	0.00211	1.77E-03	1.85259E-05	0.0008	1.5E-07	2.59E-03	0.001559	1.43E-05	0.001723	1.55E-07
2887	488906.61	3858703.33	0.79395	0.17964	0.12424	0.2557	1.45E-03	1.5E-05	0.00066	2.7E-07	0.00212	1.77E-03	1.87324E-05	0.000807	1.53E-07	2.60E-03	0.001564	1.44E-05	0.001738	1.58E-07
2888	488936.61	3858703.33	0.74255	0.17942	0.12383	0.2548	1.35E-03	1.5E-05	0.00066	2.7E-07	0.00203	1.66E-03	1.87094E-05	0.000804	1.52E-07	2.48E-03	0.001462	1.44E-05	0.001732	1.57E-07
2889	488906.61	3858733.33	0.86262	0.17474	0.12197	0.24565	1.57E-03	1.5E-05	0.00065	2.6E-07	0.00224	1.93E-03	1.82214E-05	0.000792	1.47E-07	2.74E-03	0.001699	1.4E-05	0.001706	1.51E-07
2890	488936.61	3858733.33	0.79921	0.1743	0.1215	0.24463	1.46E-03	1.5E-05	0.00065	2.6E-07	0.00212	1.79E-03	1.81755E-05	0.000789	1.46E-07	2.59E-03	0.001574	1.4E-05	0.0017	1.51E-07
2891	488637.63	3858467.85	0.77833	0.23694	0.15218	0.39785	1.42E-03	2E-05	0.00081	4.2E-07	0.00225	1.74E-03	2.47074E-05	0.000988	2.37E-07	2.75E-03	0.001533	1.9E-05	0.002129	2.45E-07
2892	488662.63	3858467.85	0.74465	0.23659	0.15159	0.39699	1.36E-03	2E-05	0.00081	4.2E-07	0.00218	1.66E-03	2.46709E-05	0.000985	2.37E-07	2.67E-03	0.001467	1.9E-05	0.002121	2.45E-07
2893	488637.63	3858492.85	0.82608	0.22949	0.1491	0.3768	1.51E-03	2E-05	0.00079	4E-07	0.00232	1.85E-03	2.39306E-05	0.000968	2.25E-07	2.84E-03	0.001627	1.84E-05	0.002086	2.32E-07
2894	488662.63	3858492.85	0.78627	0.22916	0.14861	0.37593	1.43E-03	2E-05	0.00079	4E-07	0.00224	1.76E-03	2.38962E-05	0.000965	2.24E-07	2.75E-03	0.001549	1.84E-05	0.002079	2.32E-07
2895	488687.63	3858492.85	0.7507	0.22908	0.1482	0.37507	1.37E-03	1.9E-05	0.00079	4E-07	0.00218	1.68E-03	2.38878E-05	0.000963	2.24E-07	2.66E-03	0.001478	1.84E-05	0.002073	2.31E-07
2896	488637.63	3858517.85	0.88426	0.22239	0.14603	0.35805	1.61E-03	1.9E-05	0.00078	3.8E-07	0.00241	1.98E-03	2.31902E-05	0.000949	2.14E-07	2.95E-03	0.001742	1.78E-05	0.002043	2.21E-07
2897	488662.63	3858517.85	0.83648	0.22213	0.14565	0.35713	1.52E-03	1.9E-05	0.00077	3.8E-07	0.00232	1.87E-03	2.31631E-05	0.000946	2.13E-07	2.84E-03	0.001647	1.78E-05	0.002037	2.2E-07
2898	488687.63	3858517.85	0.79469	0.22184	0.1452	0.35628	1.45E-03	1.9E-05	0.00077	3.8E-07	0.00224	1.78E-03	2.31328E-05	0.000943	2.13E-07	2.74E-03	0.001565	1.78E-05	0.002031	2.2E-07
2899	488194.42	3857168.98	0.8017	2.2172	0.98584	1.14076	1.46E-03	0.00019	0.00524	1.2E-06	0.00689	1.79E-03	0.000231203	0.006403	6.81E-07	8.43E-03	0.001579	0.000178	0.013791	7.03E-07
2900	488244.42	3857168.98	0.77563	2.0804	0.94467	1.12945	1.41E-03	0.00018	0.00502	1.2E-06	0.00661	1.73E-03	0.000216938	0.006136	6.74E-07	8.09E-03	0.001528	0.000167	0.013215	6.96E-07
2901	488294.42	3857168.98	0.75218	1.96154	0.90819	1.10991	1.37E-03	0.00017	0.00483	1.2E-06	0.00636	1.68E-03	0.000204544	0.005899	6.62E-07	7.78E-03	0.001481	0.000157	0.012705	6.84E-07
2902	488244.42	3857218.98	0.78213	2.22165	0.9274	1.16576	1.43E-03	0.00019	0.00493	1.2E-06	0.00654	1.75E-03	0.000231667	0.006024	6.96E-07	8.00E-03	0.00154	0.000178	0.012973	7.19E-07
2903	488294.42	3857218.98	0.75774	2.08005	0.89087	1.1477	1.38E-03	0.00018	0.00473	1.2E-06	0.00629	1.69E-03	0.000216902	0.005786	6.85E-07	7.70E-03	0.001492	0.000167	0.012462	7.08E-07
2904	488294.42	3857268.98	0.76425	2.15637	0.8723	1.19141	1.39E-03	0.00018	0.00463	1.3E-06	0.00621	1.71E-03	0.00022486	0.005666	7.11E-07	7.60E-03	0.001505	0.000173	0.012203	7.35E-07
2905	488139.13	3857111.68	0.82453	2.1116	1.05349	1.11672	1.50E-03	0.00018	0.0056	1.2E-06	0.00728	1.84E-03	0.000220192	0.006843	6.67E-07	8.91E-03	0.001624	0.000169	0.014737	6.89E-07
2906	488189.13	3857111.68	0.79697	1.99399	1.0073	1.11012	1.45E-03	0.00017	0.00535	1.2E-06	0.00698	1.78E-03	0.000207928	0.006543	6.63E-07	8.53E-03	0.00157	0.00016	0.014091	6.84E-07
2907	488189.13	3857161.68	0.80341	2.20361	0.99263	1.13789	1.46E-03	0.00019	0.00527	1.2E-06	0.00693	1.79E-03	0.000229786	0.006447	6.79E-07	8.47E-03	0.001582	0.000177	0.013886	7.02E-07
2908	487951.04	3856961.26	0.92807	1.4995	1.27592	1.07752	1.69E-03	0.00013	0.00678	1.1E-06	0.0086	2.07E-03	0.000156364	0.008287	6.43E-07	1.05E-02	0.001828	0.00012	0.017849	6.64E-07
2909	488001.04	3856961.26	0.89485	1.47443	1.21956	1.05916	1.63E-03	0.00013	0.00648	1.1E-06	0.00824	2.00E-03	0.000153749	0.007921	6.32E-07	1.01E-02	0.001762	0.000118	0.01706	6.53E-07
2910	488051.04	3856961.26	0.86551	1.45209	1.17002	1.03179	1.58E-03	0.00012	0.00622	1.1E-06	0.00792	1.93E-03	0.00015142	0.0076	6.16E-07	9.68E-03	0.001705	0.000116	0.016367	6.36E-07
2911	488101.04	3856961.26	0.8343	1.41438	1.1177	1.0301	1.52E-03	0.00012	0.00594	1.1E-06	0.00758	1.86E-03	0.000147488	0.00726	6.15E-07	9.27E-03	0.001643	0.000113	0.015636	6.35E-07
2912	487951.04	3857011.26	0.92864	1.81235	1.27164	1.12753	1.69E-03	0.00015	0.00676	1.2E-06	0.0086	2.07E-03	0.000188987	0.00826	6.73E-07	1.05E-02	0.001829	0.000145	0.017789	6.95E-07
2913	488001.04	3857011.26	0.89767	1.76926	1.21708	1.0942	1.64E-03	0.00015	0.00647	1.2E-06	0.00825	2.01E-03	0.000184493	0.007905	6.53E-07	1.01E-02	0.001768	0.000142	0.017026	6.75E-07
2914	488051.04	3857011.26	0.86829	1.72253	1.1661	1.06619	1.58E-03	0.00015	0.0062	1.1E-06	0.00793	1.94E-03	0.000179621	0.007574	6.36E-07	9.69E-03	0.00171	0.000138	0.016313	6.57E-07
2915	488101.04	3857011.26	0.83733	1.65988	1.11288	1.06344	1.53E-03	0.00014	0.00591	1.1E-06	0.00758	1.87E-03	0.000173088	0.007228	6.35E-07	9.27E-03	0.001649	0.000133	0.015568	6.56E-07
2916	488001.04	3857061.26	0.89967	2.09224	1.20628	1.13725	1.64E-03	0.00018	0.00641	1.2E-06	0.00823	2.01E-03	0.000218173	0.007835	6.79E-07	1.01E-02	0.001772	0.000168	0.016875	7.01E-07
2917	488051.04	3857061.26	0.8694	2.0076	1.15264	1.1161	1.58E-03	0.00017	0.00612	1.2E-06	0.00788	1.94E-03	0.000209347	0.007487	6.66E-07	9.64E-03	0.001712	0.000161	0.016124	6.88E-07
2918	488101.04	3857061.26	0.84008	1.92128	1.1019	1.10112	1.53E-03	0.00016	0.00585	1.2E-06	0.00755	1.88E-03	0.000200346	0.007157	6.57E-07	9.23E-03	0.001655	0.000154	0.015414	6.79E-07
2919	487638.98	3856673.79	1.09657	0.43021	1.48228	0.94548	2.00E-03	3.7E-05	0.00788	1E-06	0.00991	2.45E-03	4.48611E-05	0.009628	5.64E-07	1.21E-02	0.00216	3.45E-05	0.020736	5.83E-07
2920	487688.98	3856673.79	1.05514	0.44361	1.4257	0.93018	1.92E-03	3.8E-05	0.00758	9.9E-07	0.00954	2.36E-03	4.62584E-05	0.00926	5.55E-07	1.17E-02	0.002078	3.56E-05	0.019944	5.74E-07
2921	487638.98	3856723.79	1.12878	0.49853	1.53444	0.99141	2.06E-03	4.2E-05	0.00815	1.1E-06	0.01025	2.52E-03	5.19853E-05	0.009967	5.92E-07	1.25E-02	0.002223	4E-05	0.021465	6.11E-07
2922	487688.98	3856723.79	1.08352	0.51754	1.47257	0.97284	1.98E-03	4.4E-05	0.00782	1E-06	0.00984	2.42E-03	5.39676E-05	0.009565	5.81E-07	1.20E-02	0.002134	4.15E-05	0.0206	6E-07
2923	486324.61	3855740.57	1.1747	0.43688	1.53822	0.72019	2.14E-03	3.7E-05	0.00817	7.7E-07	0.01035	2.62E-03	4.55566E-05	0.009991	4.3E-07	1.27E-02	0.002314	3.5E-05	0.021518	4.44E-07
2924	486374.61	3855740.57	1.09658	0.4227	1.43257	0.67597	2.00E-03	3.6E-05	0.00761	7.2E-07	0.00965	2.45E-03	4.4078E-05	0.009305	4.03E-07	1.18E-02	0.00216	3.39E-05	0.02004	4.17E-07

2925	486424.61	3855740.57	1.04813	0.41322	1.36738	0.64792	1.91E-03	3.5E-05	0.00727	6.9E-07	0.00921	2.34E-03	4.30894E-05	0.008882	3.87E-07	1.13E-02	0.002064	3.31E-05	0.019128	3.99E-07
2926	486324.61	3855790.57	1.23686	0.41515	1.6284	0.76817	2.25E-03	3.5E-05	0.00865	8.2E-07	0.01094	2.76E-03	4.32907E-05	0.010577	4.58E-07	1.34E-02	0.002436	3.33E-05	0.02278	4.74E-07
2927	486374.61	3855790.57	1.15647	0.40302	1.51984	0.72261	2.11E-03	3.4E-05	0.00808	7.7E-07	0.01022	2.58E-03	4.20258E-05	0.009872	4.31E-07	1.25E-02	0.002278	3.23E-05	0.021261	4.46E-07
2928	486424.61	3855790.57	1.11359	0.39613	1.46233	0.69697	2.03E-03	3.4E-05	0.00777	7.4E-07	0.00983	2.49E-03	4.13073E-05	0.009498	4.16E-07	1.20E-02	0.002193	3.18E-05	0.020457	4.3E-07
2929	486324.61	3855840.57	1.30362	0.39589	1.72402	0.81749	2.38E-03	3.4E-05	0.00916	8.7E-07	0.01157	2.91E-03	4.12823E-05	0.011198	4.88E-07	1.42E-02	0.002567	3.18E-05	0.024117	5.04E-07
2930	486374.61	3855840.57	1.24598	0.38925	1.64682	0.78362	2.27E-03	3.3E-05	0.00875	8.4E-07	0.01106	2.78E-03	4.05899E-05	0.010697	4.68E-07	1.35E-02	0.002454	3.12E-05	0.023037	4.83E-07
2931	486424.61	3855840.57	1.1856	0.38117	1.56572	0.74847	2.16E-03	3.2E-05	0.00832	8E-07	0.01051	2.65E-03	3.97473E-05	0.01017	4.47E-07	1.29E-02	0.002335	3.06E-05	0.021903	4.61E-07
2932	486324.61	3855890.57	1.41187	0.38264	1.87519	0.88697	2.57E-03	3.3E-05	0.00996	9.5E-07	0.01257	3.15E-03	3.99006E-05	0.01218	5.29E-07	1.54E-02	0.002781	3.07E-05	0.026232	5.47E-07
2933	486374.61	3855890.57	1.34037	0.37623	1.77926	0.84575	2.44E-03	3.2E-05	0.00945	9E-07	0.01193	2.99E-03	3.92322E-05	0.011557	5.05E-07	1.46E-02	0.00264	3.02E-05	0.02489	5.21E-07
2934	486424.61	3855890.57	1.26824	0.36847	1.68247	0.80425	2.31E-03	3.1E-05	0.00894	8.6E-07	0.01128	2.83E-03	3.8423E-05	0.010928	4.8E-07	1.38E-02	0.002498	2.96E-05	0.023536	4.96E-07
2935	488735.69	3858285.64	0.54611	0.31834	0.17976	0.62317	9.95E-04	2.7E-05	0.00096	6.6E-07	0.00198	1.22E-03	3.31956E-05	0.001168	3.72E-07	2.42E-03	0.001076	2.55E-05	0.002515	3.84E-07
2936	488765.69	3858285.64	0.53269	0.31939	0.17999	0.61566	9.71E-04	2.7E-05	0.00096	6.6E-07	0.00196	1.19E-03	3.33051E-05	0.001169	3.67E-07	2.39E-03	0.001049	2.56E-05	0.002518	3.8E-07
2937	488735.69	3858315.64	0.5574	0.30183	0.17356	0.5758	1.02E-03	2.6E-05	0.00092	6.1E-07	0.00196	1.25E-03	3.1474E-05	0.001127	3.44E-07	2.40E-03	0.001098	2.42E-05	0.002428	3.55E-07
2938	488765.69	3858315.64	0.54269	0.30301	0.17364	0.57039	9.89E-04	2.6E-05	0.00092	6.1E-07	0.00194	1.21E-03	3.1597E-05	0.001128	3.4E-07	2.37E-03	0.001069	2.43E-05	0.002429	3.52E-07
2939	478676.63	3849871.93	0.01331	0.01203	0.01212	0.00809	2.43E-05	1E-06	6.4E-05	8.6E-09	9E-05	2.97E-05	1.25445E-06	7.87E-05	4.83E-09	1.10E-04	2.62E-05	9.65E-07	0.00017	4.99E-09
2940	479326.63	3849871.93	0.01631	0.01631	0.01604	0.01032	2.97E-05	1.4E-06	8.5E-05	1.1E-08	0.00012	3.64E-05	1.70076E-06	0.000104	6.16E-09	1.42E-04	3.21E-05	1.31E-06	0.000224	6.36E-09
2941	479376.63	3849871.93	0.01647	0.0165	0.01633	0.01055	3.00E-05	1.4E-06	8.7E-05	1.1E-08	0.00012	3.68E-05	1.72057E-06	0.000106	6.3E-09	1.45E-04	3.24E-05	1.32E-06	0.000228	6.5E-09
2942	479426.63	3849871.93	0.01666	0.0167	0.01664	0.01083	3.04E-05	1.4E-06	8.8E-05	1.2E-08	0.00012	3.72E-05	1.74143E-06	0.000108	6.46E-09	1.47E-04	3.28E-05	1.34E-06	0.000233	6.68E-09
2943	478726.63	3849921.93	0.01355	0.0122	0.01234	0.00822	2.47E-05	1E-06	6.6E-05	8.8E-09	9.1E-05	3.03E-05	1.27218E-06	8.02E-05	4.91E-09	1.12E-04	2.67E-05	9.79E-07	0.000173	5.07E-09
2944	478776.63	3849921.93	0.0138	0.01253	0.01256	0.00835	2.52E-05	1.1E-06	6.7E-05	8.9E-09	9.3E-05	3.08E-05	1.30659E-06	8.16E-05	4.98E-09	1.14E-04	2.72E-05	1.01E-06	0.000176	5.15E-09
2945	478826.63	3849921.93	0.01403	0.01286	0.01277	0.00848	2.56E-05	1.1E-06	6.8E-05	9E-09	9.5E-05	3.13E-05	1.341E-06	8.29E-05	5.06E-09	1.16E-04	2.76E-05	1.03E-06	0.000179	5.23E-09
2946	478976.63	3849921.93	0.01477	0.01398	0.01358	0.00892	2.69E-05	1.2E-06	7.2E-05	9.5E-09	0.0001	3.30E-05	1.45779E-06	8.82E-05	5.32E-09	1.23E-04	2.91E-05	1.12E-06	0.00019	5.5E-09
2947	479026.63	3849921.93	0.01513	0.01439	0.01398	0.00921	2.76E-05	1.2E-06	7.4E-05	9.8E-09	0.0001	3.38E-05	1.50055E-06	9.08E-05	5.5E-09	1.26E-04	2.98E-05	1.15E-06	0.000196	5.68E-09
2948	479076.63	3849921.93	0.01541	0.01478	0.01433	0.00945	2.81E-05	1.3E-06	7.6E-05	1E-08	0.00011	3.44E-05	1.54122E-06	9.31E-05	5.64E-09	1.29E-04	3.03E-05	1.19E-06	0.0002	5.83E-09
2949	479126.63	3849921.93	0.01567	0.01516	0.01468	0.00968	2.86E-05	1.3E-06	7.8E-05	1E-08	0.00011	3.50E-05	1.58084E-06	9.54E-05	5.78E-09	1.32E-04	3.09E-05	1.22E-06	0.000205	5.97E-09
2950	479176.63	3849921.93	0.01596	0.01553	0.01507	0.00999	2.91E-05	1.3E-06	8E-05	1.1E-08	0.00011	3.57E-05	1.61942E-06	9.79E-05	5.96E-09	1.35E-04	3.14E-05	1.25E-06	0.000211	6.16E-09
2951	479226.63	3849921.93	0.01612	0.01584	0.01537	0.01006	2.94E-05	1.3E-06	8.2E-05	1.1E-08	0.00011	3.60E-05	1.65175E-06	9.98E-05	6E-09	1.37E-04	3.17E-05	1.27E-06	0.000215	6.2E-09
2952	479276.63	3849921.93	0.01612	0.01604	0.01556	0.00995	2.94E-05	1.4E-06	8.3E-05	1.1E-08	0.00011	3.60E-05	1.67261E-06	0.000101	5.94E-09	1.39E-04	3.17E-05	1.29E-06	0.000218	6.13E-09
2953	479326.63	3849921.93	0.01661	0.01645	0.01611	0.0107	3.03E-05	1.4E-06	8.6E-05	1.1E-08	0.00012	3.71E-05	1.71536E-06	0.000105	6.39E-09	1.43E-04	3.27E-05	1.32E-06	0.000225	6.6E-09
2954	479376.63	3849921.93	0.01658	0.01657	0.01629	0.01055	3.02E-05	1.4E-06	8.7E-05	1.1E-08	0.00012	3.70E-05	1.72787E-06	0.000106	6.3E-09	1.45E-04	3.27E-05	1.33E-06	0.000228	6.5E-09
2955	479426.63	3849921.93	0.01692	0.01688	0.0167	0.01112	3.08E-05	1.4E-06	8.9E-05	1.2E-08	0.00012	3.78E-05	1.7602E-06	0.000108	6.64E-09	1.48E-04	3.33E-05	1.35E-06	0.000234	6.86E-09
2956	478726.63	3849971.93	0.01355	0.01207	0.01237	0.00822	2.47E-05	1E-06	6.6E-05	8.8E-09	9.1E-05	3.03E-05	1.25863E-06	8.03E-05	4.91E-09	1.12E-04	2.67E-05	9.68E-07	0.000173	5.07E-09
2957	478776.63	3849971.93	0.01378	0.01237	0.01255	0.00834	2.51E-05	1.1E-06	6.7E-05	8.9E-09	9.3E-05	3.08E-05	1.28991E-06	8.15E-05	4.98E-09	1.14E-04	2.71E-05	9.92E-07	0.000176	5.14E-09
2958	478826.63	3849971.93	0.01401	0.01269	0.01275	0.00846	2.55E-05	1.1E-06	6.8E-05	9E-09	9.4E-05	3.13E-05	1.32328E-06	8.28E-05	5.05E-09	1.15E-04	2.76E-05	1.02E-06	0.000178	5.22E-09
2959	478976.63	3849971.93	0.01488	0.01381	0.01361	0.009	2.71E-05	1.2E-06	7.2E-05	9.6E-09	0.0001	3.32E-05	1.44007E-06	8.84E-05	5.37E-09	1.23E-04	2.93E-05	1.11E-06	0.00019	5.55E-09
2960	479026.63	3849971.93	0.01512	0.01419	0.01388	0.00917	2.76E-05	1.2E-06	7.4E-05	9.8E-09	0.0001	3.38E-05	1.47969E-06	9.02E-05	5.47E-09	1.25E-04	2.98E-05	1.14E-06	0.000194	5.65E-09
2961	479076.63	3849971.93	0.01537	0.01458	0.01419	0.00936	2.80E-05	1.2E-06	7.5E-05	1E-08	0.0001	3.43E-05	1.52036E-06	9.22E-05	5.59E-09	1.28E-04	3.03E-05	1.17E-06	0.000199	5.77E-09
2962	479126.63	3849971.93	0.01566	0.01498	0.01454	0.00961	2.85E-05	1.3E-06	7.7E-05	1E-08	0.00011	3.50E-05	1.56207E-06	9.44E-05	5.74E-09	1.31E-04	3.08E-05	1.2E-06	0.000203	5.93E-09
2963	479176.63	3849971.93	0.01595	0.01537	0.01492	0.00987	2.91E-05	1.3E-06	7.9E-05	1.1E-08	0.00011	3.56E-05	1.60274E-06	9.69E-05	5.89E-09	1.34E-04	3.14E-05	1.23E-06	0.000209	6.09E-09
2964	479226.63	3849971.93	0.01589	0.01563	0.01503	0.00962	2.90E-05	1.3E-06	8E-05	1E-08	0.00011	3.55E-05	1.62985E-06	9.76E-05	5.74E-09	1.35E-04	3.13E-05	1.25E-06	0.00021	5.93E-09
2965	479276.63	3849971.93	0.01637	0.01606	0.01558	0.01026	2.98E-05	1.4E-06	8.3E-05	1.1E-08	0.00011	3.66E-05	1.67469E-06	0.000101	6.12E-09	1.39E-04	3.22E-05	1.29E-06	0.000218	6.33E-09
2966	479326.63	3849971.93	0.01677	0.01643	0.01607	0.01084	3.06E-05	1.4E-06	8.5E-05	1.2E-08	0.00012	3.75E-05	1.71327E-06	0.000104	6.47E-09	1.44E-04	3.3E-05	1.32E-06	0.000225	6.68E-09
2967	479376.63	3849971.93	0.01678	0.01665	0.01628	0.01072	3.06E-05	1.4E-06	8.6E-05	1.1E-08	0.00012	3.75E-05	1.73621E-06	0.000106	6.4E-09	1.45E-04	3.3E-05	1.34E-06	0.000228	6.61E-09
2968	479426.63	3849971.93	0.01705	0.01693	0.01666	0.01113	3.11E-05	1.4E-06	8.9E-05	1.2E-08	0.00012	3.81E-05	1.76541E-06	0.000108	6.64E-09	1.48E-04	3.36E-05	1.36E-06	0.000233	6.86E-09
2969	478726.63	3850021.93	0.01356	0.01197	0.0124	0.00823	2.47E-05	1E-06	6.6E-05	8.8E-09	9.2E-05	3.03E-05	1.2482E-06	8.05E-05	4.91E-09	1.12E-04	2.67E-05	9.6E-07	0.000173	5.07E-09
2970	478776.63	3850021.93	0.01378	0.01224	0.01256	0.00833	2.51E-05	1E-06	6.7E-05	8.9E-09	9.3E-05	3.08E-05	1.27635E-06	8.16E-05	4.97E-09	1.14E-04	2.71E-05	9.82E-07	0.000176	5.14E-09
2971	478826.63	3850021.93	0.01402	0.01254	0.01275	0.00845	2.56E-05	1.1E-06	6.8E-05	9E-09	9.4E-05	3.13E-05	1.30764E-06	8.28E-05	5.04E-09	1.15E-04	2.76E-05	1.01E-06	0.000178	5.21E-09
2972	478976.63	3850021.93	0.01486	0.01361	0.01354	0.00896	2.71E-05	1.2E-06	7.2E-05	9.6E-09	0.0001	3.32E-05	1.41921E-06	8.79E-05	5.35E-09	1.23E-04	2.93E-05	1.09E-06	0.000189	5.52E-09
2973	478726.63	3850071.93	0.01359	0.01191	0.01249	0.00826	2.48E-05	1E-06	6.6E-05	8.8E-09	9.2E-05	3.04E-05	1.24194E-06	8.11E-05	4.93E-09	1.13E-04	2.68E-05	9.55E-07	0.000175	5.09E-09
2974	478776.63	3850071.93	0.01381	0.01215	0.01264	0.00836	2.52E-05	1E-06	6.7E-05	8.9E-09	9.3E-05	3.08E-05	1.26697E-06	8.21E-05	4.99E-09	1.14E-04	2.72E-05	9.75E-07	0.000177	5.15E-09
2975	478826.63	3850071.93	0.01403	0.01243	0.0128	0.00846	2.56E-05	1.1E-06	6.8E-05	9E-09	9.5E-05	3.13E-05	1.29617E-06	8.31E-05	5.05E-09	1.16E-04	2.76E-05	9.97E-07	0.000179	5.22E-09
2976	478876.63	3850071.93	0.01428	0.01273	0.013	0.00859	2.60E-05	1.1E-06	6.9E-05	9.2E-09	9.6E-05	3.19E-05	1.32745E-06	8.44E-05	5.13E-09	1.18E-04	2.81E-05	1.02E-06	0.000182	5.3E-09
2977	478976.63	3850071.93	0.01485	0.01343	0.01352	0.00893	2.71E-05	1.1E-06	7.2E-05	9.5E-09	0.0001	3.32E-05	1.40044E-06	8.78E-05	5.33E-09	1.22E-04	2.92E-05	1.08E-06	0.000189	5.51E-09
2978	478726.63	3850121.93	0.01364	0.01211	0.01258	0.00831	2.49E-05	1E-06	6.7E-05	8.9E-09	9.3E-05	3.05E-05	1.2628E-06	8.17E-05	4.96E-09	1.13E-04	2.69E-05	9.71E-07	0.000176	5.12E-09
2979	478776.63	3850121.93	0.01387	0.01231	0.01273	0.00839	2.53E-05	1E-06	6.8E-05	9E-09	9.4E-05	3.10E-05	1.28365E-06	8.27E-05	5.01E-09	1.15E-04	2.73E-05	9.87E-07	0.000178	5.17E-09
2980	478826.63	3850121.93	0.01408	0.01254	0.01287	0.00849	2.57E-05	1.1E-06	6.8E-05	9.1E-09	9.5E-05	3.15E-05	1.30764E-06	8.36E-05	5.07E-09	1.16E-04	2.77E-05	1.01E-06	0.00018	5.23E-09
2981	478876.63	3850121.93	0.0143	0.01279	0.01303	0.00859	2.61E-05	1.1E-06	6.9E-05	9.2E-09	9.6E-05	3.19E-05	1.33371E-06	8.46E-05	5.13E-09	1.18E-04	2.82E-05	1.03E-06	0.000182	5.3E-09
2982	478976.63	3850121.93	0.01486	0.01337	0.01351	0.00891	2.71E-05	1.1E-06	7.2E-05	9.5E-09	0.0001	3.32E-05	1.39419E-06	8.78E-05	5.32E-09	1.22E-04	2.93E-05	1.07E-06	0.000189	5.49E-09
2983	479026.63	3850121.93	0.01515	0.01369	0.01377	0.00909	2.76E-05	1.2E-06	7.3E-05	9.7E-09	0.0001	3.38E-05	1.42755E-06	8.94E-05	5.43E-09	1.25E-04	2.98E-05	1.1E-06	0.000193	5.6E-09
2984	479076.63	3850121.93	0.0154	0.01399	0.01403	0.00926	2.81E-05	1.2E-06	7.5E-05	9.9E-09	0.0001	3.44E-05	1.45884E-06	9.11E-05	5.53E-09	1.27E-04	3.03E-05	1.12E-06	0.000196	5.71E-09
2985	479126.63	3850121.93	0.01568	0.01438	0.01431	0.00946	2.86E-05	1.2E-06	7.6E-05	1E-08	0.00011	3.50E-05	1.49951E-06	9.29E-05	5.65E-09	1.29E-04	3.09E-05	1.15E-06	0.0002	5.83E-09

2986	478776.63	3850171.93	0.01391	0.01228	0.01282	0.00844	2.54E-05	1E-06	6.8E-05	9E-09	9.5E-05	3.11E-05	1.28052E-06	8.33E-05	5.04E-09	1.16E-04	2.74E-05	9.85E-07	0.000179	5.2E-09
2987	478826.63	3850171.93	0.01411	0.01248	0.01295	0.00852	2.57E-05	1.1E-06	6.9E-05	9.1E-09	9.6E-05	3.15E-05	1.30138E-06	8.41E-05	5.09E-09	1.17E-04	2.78E-05	1E-06	0.000181	5.25E-09
2988	478876.63	3850171.93	0.01432	0.01271	0.01309	0.00861	2.61E-05	1.1E-06	7E-05	9.2E-09	9.7E-05	3.20E-05	1.32536E-06	8.5E-05	5.14E-09	1.18E-04	2.82E-05	1.02E-06	0.000183	5.31E-09
2989	478976.63	3850171.93	0.01487	0.01326	0.01353	0.0089	2.71E-05	1.1E-06	7.2E-05	9.5E-09	0.0001	3.32E-05	1.38272E-06	8.79E-05	5.31E-09	1.22E-04	2.93E-05	1.06E-06	0.000189	5.49E-09
2990	479026.63	3850171.93	0.01517	0.01357	0.0138	0.00908	2.77E-05	1.2E-06	7.3E-05	9.7E-09	0.0001	3.39E-05	1.41504E-06	8.96E-05	5.42E-09	1.25E-04	2.99E-05	1.09E-06	0.000193	5.6E-09
2991	479076.63	3850171.93	0.01543	0.01389	0.01402	0.00924	2.81E-05	1.2E-06	7.4E-05	9.9E-09	0.0001	3.45E-05	1.44841E-06	9.11E-05	5.51E-09	1.27E-04	3.04E-05	1.11E-06	0.000196	5.7E-09
2992	479126.63	3850171.93	0.0157	0.01422	0.01429	0.00943	2.86E-05	1.2E-06	7.6E-05	1E-08	0.00011	3.51E-05	1.48282E-06	9.28E-05	5.63E-09	1.29E-04	3.09E-05	1.14E-06	0.0002	5.81E-09
2993	479176.63	3850171.93	0.01601	0.01458	0.01461	0.00967	2.92E-05	1.2E-06	7.8E-05	1E-08	0.00011	3.58E-05	1.52036E-06	9.49E-05	5.77E-09	1.32E-04	3.15E-05	1.17E-06	0.000204	5.96E-09
2994	479226.63	3850171.93	0.0164	0.01496	0.01503	0.01001	2.99E-05	1.3E-06	8E-05	1.1E-08	0.00011	3.66E-05	1.55999E-06	9.76E-05	5.97E-09	1.36E-04	3.23E-05	1.2E-06	0.00021	6.17E-09
2995	479276.63	3850171.93	0.01678	0.01534	0.01545	0.0104	3.06E-05	1.3E-06	8.2E-05	1.1E-08	0.00011	3.75E-05	1.59961E-06	0.0001	6.21E-09	1.39E-04	3.3E-05	1.23E-06	0.000216	6.41E-09
2996	479326.63	3850171.93	0.01703	0.01569	0.01576	0.01066	3.10E-05	1.3E-06	8.4E-05	1.1E-08	0.00012	3.80E-05	1.63611E-06	0.000102	6.36E-09	1.42E-04	3.35E-05	1.26E-06	0.00022	6.57E-09
2997	479376.63	3850171.93	0.01727	0.01604	0.01607	0.01093	3.15E-05	1.4E-06	8.5E-05	1.2E-08	0.00012	3.86E-05	1.67261E-06	0.000104	6.52E-09	1.45E-04	3.4E-05	1.29E-06	0.000225	6.74E-09
2998	478676.63	3850221.93	0.01356	0.01197	0.01271	0.00843	2.47E-05	1E-06	6.8E-05	9E-09	9.3E-05	3.03E-05	1.2482E-06	8.26E-05	5.03E-09	1.14E-04	2.67E-05	9.6E-07	0.000178	5.2E-09
2999	478726.63	3850221.93	0.01377	0.01211	0.01283	0.00847	2.51E-05	1E-06	6.8E-05	9E-09	9.4E-05	3.08E-05	1.2628E-06	8.33E-05	5.06E-09	1.15E-04	2.71E-05	9.71E-07	0.000179	5.22E-09
3000	478976.63	3850221.93	0.0149	0.01317	0.01359	0.00891	2.72E-05	1.1E-06	7.2E-05	9.5E-09	0.0001	3.33E-05	1.37333E-06	8.83E-05	5.32E-09	1.23E-04	2.93E-05	1.06E-06	0.00019	5.49E-09
3001	479026.63	3850221.93	0.01519	0.01346	0.01383	0.00907	2.77E-05	1.1E-06	7.3E-05	9.7E-09	0.0001	3.39E-05	1.40357E-06	8.98E-05	5.41E-09	1.25E-04	2.99E-05	1.08E-06	0.000193	5.59E-09
3002	479076.63	3850221.93	0.01545	0.01376	0.01404	0.00922	2.82E-05	1.2E-06	7.5E-05	9.8E-09	0.0001	3.45E-05	1.43485E-06	9.12E-05	5.5E-09	1.27E-04	3.04E-05	1.1E-06	0.000196	5.68E-09
3003	479126.63	3850221.93	0.01573	0.01409	0.01429	0.0094	2.87E-05	1.2E-06	7.6E-05	1E-08	0.00011	3.51E-05	1.46927E-06	9.28E-05	5.61E-09	1.29E-04	3.1E-05	1.13E-06	0.0002	5.8E-09
3004	479176.63	3850221.93	0.01606	0.01444	0.01462	0.00965	2.93E-05	1.2E-06	7.8E-05	1E-08	0.00011	3.59E-05	1.50576E-06	9.5E-05	5.76E-09	1.32E-04	3.16E-05	1.16E-06	0.000205	5.95E-09
3005	479226.63	3850221.93	0.01641	0.01481	0.01498	0.00994	2.99E-05	1.3E-06	8E-05	1.1E-08	0.00011	3.67E-05	1.54434E-06	9.73E-05	5.93E-09	1.36E-04	3.23E-05	1.19E-06	0.00021	6.13E-09
3006	479276.63	3850221.93	0.01676	0.01519	0.01535	0.01027	3.06E-05	1.3E-06	8.2E-05	1.1E-08	0.00011	3.74E-05	1.58397E-06	9.97E-05	6.13E-09	1.39E-04	3.3E-05	1.22E-06	0.000215	6.33E-09
3007	479326.63	3850221.93	0.01701	0.01555	0.01564	0.01051	3.10E-05	1.3E-06	8.3E-05	1.1E-08	0.00012	3.80E-05	1.62151E-06	0.000102	6.27E-09	1.41E-04	3.35E-05	1.25E-06	0.000219	6.48E-09
3008	479376.63	3850221.93	0.01729	0.01591	0.01598	0.01081	3.15E-05	1.4E-06	8.5E-05	1.2E-08	0.00012	3.86E-05	1.65905E-06	0.000104	6.45E-09	1.44E-04	3.41E-05	1.28E-06	0.000224	6.67E-09
3009	478676.63	3850271.93	0.01367	0.01204	0.01289	0.00857	2.49E-05	1E-06	6.8E-05	9.1E-09	9.4E-05	3.05E-05	1.2555E-06	8.37E-05	5.11E-09	1.16E-04	2.69E-05	9.66E-07	0.00018	5.28E-09
3010	478726.63	3850271.93	0.01386	0.01216	0.01299	0.00859	2.53E-05	1E-06	6.9E-05	9.2E-09	9.5E-05	3.10E-05	1.26801E-06	8.44E-05	5.13E-09	1.17E-04	2.73E-05	9.75E-07	0.000182	5.3E-09
3011	478976.63	3850271.93	0.01492	0.01309	0.01364	0.00892	2.72E-05	1.1E-06	7.2E-05	9.5E-09	0.0001	3.33E-05	1.36499E-06	8.86E-05	5.32E-09	1.23E-04	2.94E-05	1.05E-06	0.000191	5.5E-09
3012	479026.63	3850271.93	0.01521	0.01337	0.01387	0.00907	2.77E-05	1.1E-06	7.4E-05	9.7E-09	0.0001	3.40E-05	1.39419E-06	9.01E-05	5.41E-09	1.25E-04	3E-05	1.07E-06	0.000194	5.59E-09
3013	479076.63	3850271.93	0.01548	0.01366	0.01409	0.00922	2.82E-05	1.2E-06	7.5E-05	9.8E-09	0.0001	3.46E-05	1.42443E-06	9.15E-05	5.5E-09	1.28E-04	3.05E-05	1.1E-06	0.000197	5.68E-09
3014	479126.63	3850271.93	0.01576	0.01397	0.01433	0.0094	2.87E-05	1.2E-06	7.6E-05	1E-08	0.00011	3.52E-05	1.45675E-06	9.31E-05	5.61E-09	1.30E-04	3.1E-05	1.12E-06	0.0002	5.8E-09
3015	479176.63	3850271.93	0.01607	0.01431	0.01462	0.00961	2.93E-05	1.2E-06	7.8E-05	1E-08	0.00011	3.59E-05	1.49221E-06	9.5E-05	5.74E-09	1.32E-04	3.16E-05	1.15E-06	0.000205	5.93E-09
3016	479226.63	3850271.93	0.0164	0.01467	0.01494	0.00987	2.99E-05	1.2E-06	7.9E-05	1.1E-08	0.00011	3.66E-05	1.52975E-06	9.7E-05	5.89E-09	1.35E-04	3.23E-05	1.18E-06	0.000209	6.09E-09
3017	479276.63	3850271.93	0.01671	0.01504	0.01525	0.01013	3.05E-05	1.3E-06	8.1E-05	1.1E-08	0.00011	3.73E-05	1.56833E-06	9.91E-05	6.05E-09	1.38E-04	3.29E-05	1.21E-06	0.000213	6.25E-09
3018	479326.63	3850271.93	0.01698	0.0154	0.01554	0.01037	3.10E-05	1.3E-06	8.3E-05	1.1E-08	0.00011	3.79E-05	1.60587E-06	0.000101	6.19E-09	1.40E-04	3.34E-05	1.24E-06	0.000217	6.39E-09
3019	479376.63	3850271.93	0.01723	0.01576	0.01583	0.0106	3.14E-05	1.3E-06	8.4E-05	1.1E-08	0.00012	3.85E-05	1.64341E-06	0.000103	6.33E-09	1.43E-04	3.39E-05	1.26E-06	0.000221	6.54E-09
3020	479053.24	3850293.52	0.01537	0.01348	0.01402	0.00916	2.80E-05	1.1E-06	7.4E-05	9.8E-09	0.0001	3.43E-05	1.40566E-06	9.11E-05	5.47E-09	1.27E-04	3.03E-05	1.08E-06	0.000196	5.65E-09
3021	479103.24	3850293.52	0.01564	0.01378	0.01424	0.00932	2.85E-05	1.2E-06	7.6E-05	9.9E-09	0.00011	3.49E-05	1.43694E-06	9.25E-05	5.56E-09	1.29E-04	3.08E-05	1.11E-06	0.000199	5.75E-09
3022	479153.24	3850293.52	0.01592	0.0141	0.01448	0.00949	2.90E-05	1.2E-06	7.7E-05	1E-08	0.00011	3.56E-05	1.47031E-06	9.41E-05	5.66E-09	1.31E-04	3.14E-05	1.13E-06	0.000203	5.85E-09
3023	479203.24	3850293.52	0.01625	0.01444	0.01478	0.00973	2.96E-05	1.2E-06	7.9E-05	1E-08	0.00011	3.63E-05	1.50576E-06	9.6E-05	5.81E-09	1.34E-04	3.2E-05	1.16E-06	0.000207	6E-09
3024	479253.24	3850293.52	0.01657	0.0148	0.01508	0.00997	3.02E-05	1.3E-06	8E-05	1.1E-08	0.00011	3.70E-05	1.5433E-06	9.79E-05	5.95E-09	1.37E-04	3.26E-05	1.19E-06	0.000211	6.15E-09
3025	479303.24	3850293.52	0.01684	0.01516	0.01536	0.0102	3.07E-05	1.3E-06	8.2E-05	1.1E-08	0.00011	3.76E-05	1.58084E-06	9.98E-05	6.09E-09	1.39E-04	3.32E-05	1.22E-06	0.000215	6.29E-09
3026	479353.24	3850293.52	0.0171	0.01552	0.01564	0.01043	3.12E-05	1.3E-06	8.3E-05	1.1E-08	0.00012	3.82E-05	1.61838E-06	0.000102	6.23E-09	1.41E-04	3.37E-05	1.24E-06	0.000219	6.43E-09
3027	479153.24	3850343.52	0.01594	0.01414	0.01451	0.00949	2.91E-05	1.2E-06	7.7E-05	1E-08	0.00011	3.56E-05	1.47448E-06	9.42E-05	5.66E-09	1.31E-04	3.14E-05	1.13E-06	0.000203	5.85E-09
3028	479203.24	3850343.52	0.01624	0.01446	0.01476	0.00969	2.96E-05	1.2E-06	7.8E-05	1E-08	0.00011	3.63E-05	1.50785E-06	9.59E-05	5.78E-09	1.34E-04	3.2E-05	1.16E-06	0.000206	5.97E-09
3029	479253.24	3850343.52	0.01652	0.01479	0.01501	0.00988	3.01E-05	1.3E-06	8E-05	1.1E-08	0.00011	3.69E-05	1.54226E-06	9.75E-05	5.9E-09	1.36E-04	3.25E-05	1.19E-06	0.00021	6.09E-09
3030	479303.24	3850343.52	0.0168	0.015	0.01527	0.01008	3.06E-05	1.3E-06	8.1E-05	1.1E-08	0.00011	3.75E-05	1.56416E-06	9.92E-05	6.02E-09	1.38E-04	3.31E-05	1.2E-06	0.000214	6.22E-09
3031	479353.24	3850343.52	0.01706	0.01536	0.01554	0.01029	3.11E-05	1.3E-06	8.3E-05	1.1E-08	0.00011	3.81E-05	1.6017E-06	0.000101	6.14E-09	1.41E-04	3.36E-05	1.23E-06	0.000217	6.34E-09
3032	479203.24	3850393.52	0.01622	0.01432	0.01476	0.00965	2.96E-05	1.2E-06	7.8E-05	1E-08	0.00011	3.62E-05	1.49325E-06	9.59E-05	5.76E-09	1.34E-04	3.19E-05	1.15E-06	0.000206	5.95E-09
3033	479253.24	3850393.52	0.01649	0.01465	0.01498	0.00982	3.01E-05	1.2E-06	8E-05	1E-08	0.00011	3.68E-05	1.52766E-06	9.73E-05	5.86E-09	1.36E-04	3.25E-05	1.18E-06	0.00021	6.05E-09
3034	479303.24	3850393.52	0.01677	0.01499	0.01521	0.01	3.06E-05	1.3E-06	8.1E-05	1.1E-08	0.00011	3.75E-05	1.56311E-06	9.88E-05	5.97E-09	1.38E-04	3.3E-05	1.2E-06	0.000213	6.17E-09
3035	479353.24	3850393.52	0.01704	0.01521	0.01547	0.01019	3.11E-05	1.3E-06	8.2E-05	1.1E-08	0.00011	3.81E-05	1.58606E-06	0.0001	6.08E-09	1.40E-04	3.36E-05	1.22E-06	0.000216	6.28E-09
3036	479403.24	3850393.52	0.01731	0.01557	0.01575	0.01041	3.16E-05	1.3E-06	8.4E-05	1.1E-08	0.00012	3.87E-05	1.6236E-06	0.000102	6.21E-09	1.43E-04	3.41E-05	1.25E-06	0.00022	6.42E-09
3037	479453.24	3850393.52	0.01757	0.01594	0.01602	0.01062	3.20E-05	1.4E-06	8.5E-05	1.1E-08	0.00012	3.92E-05	1.66218E-06	0.000104	6.34E-09	1.45E-04	3.46E-05	1.28E-06	0.000224	6.55E-09
3038	479503.24	3850393.52	0.0178	0.01632	0.01629	0.01082	3.24E-05	1.4E-06	8.7E-05	1.2E-08	0.00012	3.98E-05	1.7018E-06	0.000106	6.46E-09	1.47E-04	3.51E-05	1.31E-06	0.000228	6.67E-09
3039	479303.24	3850443.52	0.01672	0.01484	0.01517	0.00992	3.05E-05	1.3E-06	8.1E-05	1.1E-08	0.00011	3.73E-05	1.54747E-06	9.85E-05	5.92E-09	1.37E-04	3.29E-05	1.19E-06	0.000212	6.12E-09
3040	479353.24	3850443.52	0.01698	0.01519	0.01538	0.01008	3.10E-05	1.3E-06	8.2E-05	1.1E-08	0.00011	3.79E-05	1.58397E-06	9.99E-05	6.02E-09	1.39E-04	3.34E-05	1.22E-06	0.000215	6.22E-09
3041	479403.24	3850443.52	0.01723	0.0154	0.01562	0.01025	3.14E-05	1.3E-06	8.3E-05	1.1E-08	0.00012	3.85E-05	1.60587E-06	0.000101	6.12E-09	1.42E-04	3.39E-05	1.24E-06	0.000219	6.32E-09
3042	479453.24	3850443.52	0.01749	0.01577	0.01587	0.01043	3.19E-05	1.3E-06	8.4E-05	1.1E-08	0.00012	3.91E-05	1.64445E-06	0.000103	6.23E-09	1.44E-04	3.44E-05	1.27E-06	0.000222	6.43E-09
3043	479503.24	3850443.52	0.01773	0.01614	0.01613	0.01062	3.23E-05	1.4E-06	8.6E-05	1.1E-08	0.00012	3.96E-05	1.68303E-06	0.000105	6.34E-09	1.46E-04	3.49E-05	1.29E-06	0.000226	6.55E-09
3044	480327.18	3850987.04	0.0234	0.02176	0.02166	0.01569	4.27E-05	1.9E-06	0.00012	1.7E-08	0.00016	5.23E-05	2.26907E-06	0.000141	9.36E-09	1.95E-04	4.61E-05	1.75E-06	0.000303	9.67E-09
3045	480377.18	3850987.04	0.02372	0.02216	0.02214	0.01624	4.32E-05	1.9E-06	0.00012	1.7E-08	0.00016	5.30E-05	2.31078E-06	0.000144	9.69E-09	1.99E-04	4.67E-05	1.78E-06	0.00031	1E-08
3046	480427.18	3850987.04	0.02401	0.02253	0.0226	0.01675	4.38E-05	1.9E-06	0.00012	1.8E-08	0.00017	5.36E-05	2.34936E-06	0.000147	1E-08	2.03E-04	4.73E-05	1.81E-06	0.000316	1.03E-08

3047	480477.18	3850987.04	0.02428	0.02284	0.02304	0.0172	4.43E-05	1.9E-06	0.00012	1.8E-08	0.00017	5.42E-05	2.38169E-06	0.00015	1.03E-08	2.06E-04	4.78E-05	1.83E-06	0.000322	1.06E-08
3048	480327.18	3851037.04	0.02344	0.02168	0.02149	0.01535	4.27E-05	1.8E-06	0.00011	1.6E-08	0.00016	5.24E-05	2.26073E-06	0.00014	9.16E-09	1.94E-04	4.62E-05	1.74E-06	0.000301	9.46E-09
3049	480377.18	3851037.04	0.02379	0.02213	0.02199	0.0159	4.34E-05	1.9E-06	0.00012	1.7E-08	0.00016	5.31E-05	2.30765E-06	0.000143	9.49E-09	1.98E-04	4.69E-05	1.78E-06	0.000308	9.8E-09
3050	480427.18	3851037.04	0.02412	0.02254	0.02248	0.01644	4.40E-05	1.9E-06	0.00012	1.8E-08	0.00017	5.39E-05	2.35041E-06	0.000146	9.81E-09	2.02E-04	4.75E-05	1.81E-06	0.000314	1.01E-08
3051	480477.18	3851037.04	0.02442	0.02291	0.02295	0.01699	4.45E-05	1.9E-06	0.00012	1.8E-08	0.00017	5.45E-05	2.38899E-06	0.000149	1.01E-08	2.06E-04	4.81E-05	1.84E-06	0.000321	1.05E-08
3052	480622.06	3851087.39	0.02536	0.02385	0.02415	0.01828	4.62E-05	2E-06	0.00013	2E-08	0.00018	5.66E-05	2.48701E-06	0.000157	1.09E-08	2.16E-04	4.99E-05	1.91E-06	0.000338	1.13E-08
3053	480672.06	3851087.39	0.0256	0.02405	0.02455	0.01877	4.67E-05	2E-06	0.00013	2E-08	0.00018	5.72E-05	2.50787E-06	0.000159	1.12E-08	2.19E-04	5.04E-05	1.93E-06	0.000343	1.16E-08
3054	480622.06	3851137.39	0.02554	0.02398	0.02409	0.01811	4.66E-05	2E-06	0.00013	1.9E-08	0.00018	5.70E-05	2.50057E-06	0.000156	1.08E-08	2.16E-04	5.03E-05	1.92E-06	0.000337	1.12E-08
3055	480672.06	3851137.39	0.02581	0.02425	0.02453	0.01865	4.70E-05	2.1E-06	0.00013	2E-08	0.00018	5.77E-05	2.52872E-06	0.000159	1.11E-08	2.20E-04	5.08E-05	1.95E-06	0.000343	1.15E-08
3056	480722.06	3851137.39	0.02606	0.02445	0.02494	0.01916	4.75E-05	2.1E-06	0.00013	2E-08	0.00018	5.82E-05	2.54958E-06	0.000162	1.14E-08	2.23E-04	5.13E-05	1.96E-06	0.000349	1.18E-08
3057	480622.06	3851187.39	0.02568	0.02404	0.02398	0.01785	4.68E-05	2E-06	0.00013	1.9E-08	0.00018	5.74E-05	2.50682E-06	0.000156	1.07E-08	2.16E-04	5.06E-05	1.93E-06	0.000335	1.1E-08
3058	480672.06	3851187.39	0.02598	0.02437	0.02446	0.01846	4.74E-05	2.1E-06	0.00013	2E-08	0.00018	5.80E-05	2.54123E-06	0.000159	1.1E-08	2.19E-04	5.12E-05	1.95E-06	0.000342	1.14E-08
3059	480722.06	3851187.39	0.02627	0.02464	0.02491	0.01905	4.79E-05	2.1E-06	0.00013	2E-08	0.00018	5.87E-05	2.56939E-06	0.000162	1.14E-08	2.23E-04	5.17E-05	1.98E-06	0.000348	1.17E-08
3060	471363.09	3845877.25	0.00362	0.00357	0.00375	0.00268	6.60E-06	3E-07	2E-05	2.9E-09	2.7E-05	8.09E-06	3.7227E-07	2.44E-05	1.6E-09	3.28E-05	7.13E-06	2.86E-07	5.25E-05	1.65E-09
3061	471863.09	3845877.25	0.00347	0.00341	0.00358	0.00256	6.33E-06	2.9E-07	1.9E-05	2.7E-09	2.6E-05	7.75E-06	3.55585E-07	2.33E-05	1.53E-09	3.14E-05	6.83E-06	2.74E-07	5.01E-05	1.58E-09
3062	472363.09	3845877.25	0.00378	0.00368	0.00388	0.00273	6.89E-06	3.1E-07	2.1E-05	2.9E-09	2.8E-05	8.44E-06	3.8374E-07	2.52E-05	1.63E-09	3.40E-05	7.44E-06	2.95E-07	5.43E-05	1.68E-09
3063	472863.09	3845877.25	0.00318	0.00313	0.0033	0.00234	5.80E-06	2.7E-07	1.8E-05	2.5E-09	2.4E-05	7.10E-06	3.26388E-07	2.14E-05	1.4E-09	2.89E-05	6.26E-06	2.51E-07	4.62E-05	1.44E-09
3064	473363.09	3845877.25	0.00311	0.003	0.00315	0.00222	5.67E-06	2.6E-07	1.7E-05	2.4E-09	2.3E-05	6.95E-06	3.12832E-07	2.05E-05	1.32E-09	2.77E-05	6.13E-06	2.41E-07	4.41E-05	1.37E-09
3065	473863.09	3845877.25	0.00326	0.00319	0.00334	0.00233	5.94E-06	2.7E-07	1.8E-05	2.5E-09	2.4E-05	7.28E-06	3.32644E-07	2.17E-05	1.39E-09	2.93E-05	6.42E-06	2.56E-07	4.67E-05	1.44E-09
3066	474363.09	3845877.25	0.00386	0.00376	0.00387	0.00258	7.04E-06	3.2E-07	2.1E-05	2.8E-09	2.8E-05	8.62E-06	3.92082E-07	2.51E-05	1.54E-09	3.42E-05	7.6E-06	3.02E-07	5.41E-05	1.59E-09
3067	474863.09	3845877.25	0.00489	0.00487	0.00478	0.00292	8.91E-06	4.1E-07	2.5E-05	3.1E-09	3.5E-05	1.09E-05	5.0783E-07	3.1E-05	1.74E-09	4.25E-05	9.63E-06	3.91E-07	6.69E-05	1.8E-09
3068	475363.09	3845877.25	0.00618	0.00619	0.00643	0.004	1.13E-05	5.3E-07	3.4E-05	4.3E-09	4.6E-05	1.38E-05	6.45476E-07	4.18E-05	2.39E-09	5.62E-05	1.22E-05	4.97E-07	8.99E-05	2.47E-09
3069	475863.09	3845877.25	0.00644	0.00645	0.00662	0.0043	1.17E-05	5.5E-07	3.5E-05	4.6E-09	4.7E-05	1.44E-05	6.72588E-07	4.3E-05	2.57E-09	5.81E-05	1.27E-05	5.17E-07	9.26E-05	2.65E-09
3070	476363.09	3845877.25	0.00596	0.00601	0.00625	0.0039	1.09E-05	5.1E-07	3.3E-05	4.2E-09	4.5E-05	1.33E-05	6.26706E-07	4.06E-05	2.33E-09	5.45E-05	1.17E-05	4.82E-07	8.74E-05	2.4E-09
3071	476863.09	3845877.25	0.00539	0.00503	0.00579	0.0037	9.83E-06	4.3E-07	3.1E-05	3.9E-09	4.1E-05	1.20E-05	5.24514E-07	3.76E-05	2.21E-09	5.02E-05	1.06E-05	4.03E-07	8.1E-05	2.28E-09
3072	477363.09	3845877.25	0.00451	0.00453	0.0045	0.00294	8.22E-06	3.9E-07	2.4E-05	3.1E-09	3.3E-05	1.01E-05	4.72376E-07	2.92E-05	1.75E-09	3.98E-05	8.88E-06	3.63E-07	6.3E-05	1.81E-09
3073	477863.09	3845877.25	0.00392	0.00393	0.00403	0.00242	7.15E-06	3.3E-07	2.1E-05	2.6E-09	2.9E-05	8.76E-06	4.09809E-07	2.62E-05	1.44E-09	3.53E-05	7.72E-06	3.15E-07	5.64E-05	1.49E-09
3074	478363.09	3845877.25	0.0038	0.00328	0.00404	0.00243	6.93E-06	2.8E-07	2.1E-05	2.6E-09	2.9E-05	8.49E-06	3.42029E-07	2.62E-05	1.45E-09	3.51E-05	7.48E-06	2.63E-07	5.65E-05	1.5E-09
3075	478863.09	3845877.25	0.00361	0.00363	0.00368	0.00227	6.58E-06	3.1E-07	2E-05	2.4E-09	2.6E-05	8.06E-06	3.78526E-07	2.39E-05	1.35E-09	3.23E-05	7.11E-06	2.91E-07	5.15E-05	1.4E-09
3076	479363.09	3845877.25	0.00349	0.00344	0.00357	0.00216	6.36E-06	2.9E-07	1.9E-05	2.3E-09	2.6E-05	7.80E-06	3.58713E-07	2.32E-05	1.29E-09	3.13E-05	6.87E-06	2.76E-07	4.99E-05	1.33E-09
3077	479863.09	3845877.25	0.00338	0.00318	0.00358	0.00206	6.16E-06	2.7E-07	1.9E-05	2.2E-09	2.5E-05	7.55E-06	3.31601E-07	2.33E-05	1.23E-09	3.11E-05	6.66E-06	2.55E-07	5.01E-05	1.27E-09
3078	480363.09	3845877.25	0.00286	0.0025	0.00302	0.00194	5.21E-06	2.1E-07	1.6E-05	2.1E-09	2.1E-05	6.39E-06	2.60693E-07	1.96E-05	1.16E-09	2.63E-05	5.63E-06	2.01E-07	4.22E-05	1.2E-09
3079	480863.09	3845877.25	0.00258	0.00236	0.00266	0.00179	4.70E-06	2E-07	1.4E-05	1.9E-09	1.9E-05	5.76E-06	2.46094E-07	1.73E-05	1.07E-09	2.33E-05	5.08E-06	1.89E-07	3.72E-05	1.1E-09
3080	481363.09	3845877.25	0.00237	0.00244	0.00237	0.00168	4.32E-06	2.1E-07	1.3E-05	1.8E-09	1.7E-05	5.29E-06	2.54436E-07	1.54E-05	1E-09	2.09E-05	4.67E-06	1.96E-07	3.32E-05	1.04E-09
3081	481863.09	3845877.25	0.00213	0.00202	0.00218	0.00158	3.88E-06	1.7E-07	1.2E-05	1.7E-09	1.6E-05	4.76E-06	2.1064E-07	1.42E-05	9.43E-10	1.91E-05	4.19E-06	1.62E-07	3.05E-05	9.74E-10
3082	482363.09	3845877.25	0.00192	0.00172	0.00199	0.00148	3.50E-06	1.5E-07	1.1E-05	1.6E-09	1.4E-05	4.29E-06	1.79357E-07	1.29E-05	8.83E-10	1.74E-05	3.78E-06	1.38E-07	2.78E-05	9.13E-10
3083	482863.09	3845877.25	0.00155	0.00153	0.00157	0.00132	2.83E-06	1.3E-07	8.3E-06	1.4E-09	1.1E-05	3.46E-06	1.59544E-07	1.02E-05	7.88E-10	1.38E-05	3.05E-06	1.23E-07	2.2E-05	8.14E-10
3084	483363.09	3845877.25	0.00142	0.00147	0.00144	0.00124	2.59E-06	1.3E-07	7.7E-06	1.3E-09	1E-05	3.17E-06	1.53287E-07	9.35E-06	7.4E-10	1.27E-05	2.8E-06	1.18E-07	2.01E-05	7.65E-10
3085	483863.09	3845877.25	0.00162	0.0015	0.00166	0.00139	2.95E-06	1.3E-07	8.8E-06	1.5E-09	1.2E-05	3.62E-06	1.56416E-07	1.08E-05	8.3E-10	1.46E-05	3.19E-06	1.2E-07	2.32E-05	8.57E-10
3086	484363.09	3845877.25	0.00159	0.00148	0.00161	0.00134	2.90E-06	1.3E-07	8.6E-06	1.4E-09	1.2E-05	3.55E-06	1.5433E-07	1.05E-05	8E-10	1.42E-05	3.13E-06	1.19E-07	2.25E-05	8.26E-10
3087	484863.09	3845877.25	0.00151	0.00142	0.00156	0.00128	2.75E-06	1.2E-07	8.3E-06	1.4E-09	1.1E-05	3.37E-06	1.48074E-07	1.01E-05	7.64E-10	1.37E-05	2.97E-06	1.14E-07	2.18E-05	7.89E-10
3088	485363.09	3845877.25	0.00142	0.00139	0.00144	0.00124	2.59E-06	1.2E-07	7.7E-06	1.3E-09	1E-05	3.17E-06	1.44945E-07	9.35E-06	7.4E-10	1.27E-05	2.8E-06	1.12E-07	2.01E-05	7.65E-10
3089	485863.09	3845877.25	0.00139	0.00142	0.0014	0.00123	2.53E-06	1.2E-07	7.4E-06	1.3E-09	1E-05	3.10E-06	1.48074E-07	9.09E-06	7.34E-10	1.23E-05	2.74E-06	1.14E-07	1.96E-05	7.58E-10
3090	486363.09	3845877.25	0.00133	0.00122	0.00133	0.00119	2.42E-06	1E-07	7.1E-06	1.3E-09	9.6E-06	2.97E-06	1.27218E-07	8.64E-06	7.1E-10	1.17E-05	2.62E-06	9.79E-08	1.86E-05	7.34E-10
3091	486863.09	3845877.25	0.00123	0.0012	0.00122	0.00109	2.24E-06	1E-07	6.5E-06	1.2E-09	8.8E-06	2.75E-06	1.25133E-07	7.92E-06	6.51E-10	1.08E-05	2.42E-06	9.63E-08	1.71E-05	6.72E-10
3092	487363.09	3845877.25	0.0012	0.00124	0.0012	0.00105	2.19E-06	1.1E-07	6.4E-06	1.1E-09	8.7E-06	2.68E-06	1.29304E-07	7.79E-06	6.27E-10	1.06E-05	2.36E-06	9.95E-08	1.68E-05	6.47E-10
3093	487863.09	3845877.25	0.00112	0.00116	0.00112	0.00102	2.04E-06	9.9E-08	6E-06	1.1E-09	8.1E-06	2.50E-06	1.20962E-07	7.27E-06	6.09E-10	9.90E-06	2.21E-06	9.31E-08	1.57E-05	6.29E-10
3094	488363.09	3845877.25	0.00108	0.00108	0.00109	0.00101	1.97E-06	9.2E-08	5.8E-06	1.1E-09	7.9E-06	2.41E-06	1.12619E-07	7.08E-06	6.03E-10	9.61E-06	2.13E-06	8.66E-08	1.52E-05	6.23E-10
3095	488863.09	3845877.25	0.00119	0.00119	0.00117	0.00106	2.17E-06	1E-07	6.2E-06	1.1E-09	8.5E-06	2.66E-06	1.2409E-07	7.6E-06	6.33E-10	1.04E-05	2.34E-06	9.55E-08	1.64E-05	6.54E-10
3096	489363.09	3845877.25	0.00119	0.00114	0.00118	0.00105	2.17E-06	9.7E-08	6.3E-06	1.1E-09	8.5E-06	2.66E-06	1.18876E-07	7.66E-06	6.27E-10	1.04E-05	2.34E-06	9.14E-08	1.65E-05	6.47E-10
3097	489863.09	3845877.25	0.00114	0.0011	0.00112	0.00102	2.08E-06	9.4E-08	6E-06	1.1E-09	8.1E-06	2.55E-06	1.14705E-07	7.27E-06	6.09E-10	9.94E-06	2.25E-06	8.82E-08	1.57E-05	6.29E-10
3098	490363.09	3845877.25	0.00108	0.00112	0.00104	0.00099	1.97E-06	9.5E-08	5.5E-06	1.1E-09	7.6E-06	2.41E-06	1.1679E-07	6.76E-06	5.91E-10	9.28E-06	2.13E-06	8.98E-08	1.45E-05	6.1E-10
3099	490863.09	3845877.25	0.00097	0.0011	0.00093	0.00094	1.77E-06	9.4E-08	4.9E-06	1E-09	6.8E-06	2.17E-06	1.14705E-07	6.04E-06	5.61E-10	8.32E-06	1.91E-06	8.82E-08	1.3E-05	5.8E-10
3100	491363.09	3845877.25	0.00107	0.00124	0.001	0.00099	1.95E-06	1.1E-07	5.3E-06	1.1E-09	7.4E-06	2.39E-06	1.29304E-07	6.5E-06	5.91E-10	9.02E-06	2.11E-06	9.95E-08	1.4E-05	6.1E-10
3101	491863.09	3845877.25	0.00114	0.00132	0.00108	0.00104	2.08E-06	1.1E-07	5.7E-06	1.1E-09	7.9E-06	2.55E-06	1.37646E-07	7.01E-06	6.21E-10	9.70E-06	2.25E-06	1.06E-07	1.51E-05	6.41E-10
3102	492363.09	3845877.25	0.00108	0.00118	0.00104	0.00103	1.97E-06	1E-07	5.5E-06	1.1E-09	7.6E-06	2.41E-06	1.23047E-07	6.76E-06	6.15E-10	9.29E-06	2.13E-06	9.47E-08	1.45E-05	6.35E-10
3103	492863.09	3845877.25	0.00124	0.00129	0.0012	0.00114	2.26E-06	1.1E-07	6.4E-06	1.2E-09	8.7E-06	2.77E-06	1.34518E-07	7.79E-06	6.8E-10	1.07E-05	2.44E-06	1.03E-07	1.68E-05	7.03E-10
3104	493363.09	3845877.25	0.00134	0.0014	0.00129	0.0012	2.44E-06	1.2E-07	6.9E-06	1.3E-09	9.4E-06	2.99E-06	1.45988E-07	8.38E-06	7.16E-10	1.15E-05	2.64E-06	1.12E-07	1.8E-05	7.4E-10
3105	493863.09	3845877.25	0.00146	0.00148	0.0014	0.00126	2.66E-06	1.3E-07	7.4E-06	1.3E-09	1E-05	3.26E-06	1.5433E-07	9.09E-06	7.52E-10	1.25E-05	2.88E-06	1.19E-07	1.96E-05	7.77E-10
3106	494363.09	3845877.25	0.00156	0.00157	0.00151	0.00133	2.84E-06	1.3E-07	8E-06	1.4E-09	1.1E-05	3.48E-06	1.63715E-07	9.81E-06	7.94E-10	1.35E-05	3.07E-06	1.26E-07	2.11E-05	8.2E-10
3107	494863.09	3845877.25	0.00165	0.00166	0.0016	0.00138	3.01E-06	1.4E-07	8.5E-06	1.5E-09	1.2E-05	3.69E-06	1.731E-07	1.04E-05	8.24E-10	1.43E-05	3.25E-06	1.33E-07	2.24E-05	8.51E-10

3108	495363.09	3845877.25	0.00177	0.00177	0.00172	0.00145	3.23E-06	1.5E-07	9.1E-06	1.5E-09	1.3E-05	3.95E-06	1.84571E-07	1.12E-05	8.65E-10	1.53E-05	3.49E-06	1.42E-07	2.41E-05	8.94E-10
3109	495863.09	3845877.25	0.0019	0.00194	0.00183	0.00154	3.46E-06	1.7E-07	9.7E-06	1.6E-09	1.3E-05	4.24E-06	2.02298E-07	1.19E-05	9.19E-10	1.63E-05	3.74E-06	1.56E-07	2.56E-05	9.5E-10
3110	496363.09	3845877.25	0.00204	0.00217	0.00193	0.00163	3.72E-06	1.8E-07	1E-05	1.7E-09	1.4E-05	4.56E-06	2.26281E-07	1.25E-05	9.73E-10	1.73E-05	4.02E-06	1.74E-07	2.7E-05	1.01E-09
3111	496863.09	3845877.25	0.00215	0.00232	0.00201	0.0017	3.92E-06	2E-07	1.1E-05	1.8E-09	1.5E-05	4.80E-06	2.41923E-07	1.31E-05	1.01E-09	1.81E-05	4.23E-06	1.86E-07	2.81E-05	1.05E-09
3112	497363.09	3845877.25	0.00226	0.00242	0.00211	0.00176	4.12E-06	2.1E-07	1.1E-05	1.9E-09	1.6E-05	5.05E-06	2.52351E-07	1.37E-05	1.05E-09	1.90E-05	4.45E-06	1.94E-07	2.95E-05	1.09E-09
3113	497863.09	3845877.25	0.0024	0.00254	0.00224	0.00185	4.37E-06	2.2E-07	1.2E-05	2E-09	1.6E-05	5.36E-06	2.64864E-07	1.45E-05	1.1E-09	2.02E-05	4.73E-06	2.04E-07	3.13E-05	1.14E-09
3114	498363.09	3845877.25	0.00253	0.0027	0.00236	0.00192	4.61E-06	2.3E-07	1.3E-05	2E-09	1.7E-05	5.65E-06	2.81548E-07	1.53E-05	1.15E-09	2.13E-05	4.98E-06	2.17E-07	3.3E-05	1.18E-09
3115	471363.09	3846377.25	0.00544	0.00515	0.00538	0.00412	9.92E-06	4.4E-07	2.9E-05	4.4E-09	3.9E-05	1.22E-05	5.37027E-07	3.49E-05	2.46E-09	4.76E-05	1.07E-05	4.13E-07	7.53E-05	2.54E-09
3116	471863.09	3846377.25	0.00506	0.00486	0.00511	0.00377	9.22E-06	4.1E-07	2.7E-05	4E-09	3.7E-05	1.13E-05	5.06787E-07	3.32E-05	2.25E-09	4.50E-05	9.97E-06	3.9E-07	7.15E-05	2.32E-09
3117	472363.09	3846377.25	0.00376	0.00371	0.00389	0.00275	6.85E-06	3.2E-07	2.1E-05	2.9E-09	2.8E-05	8.40E-06	3.86868E-07	2.53E-05	1.64E-09	3.41E-05	7.41E-06	2.98E-07	5.44E-05	1.7E-09
3118	472863.09	3846377.25	0.00381	0.00374	0.0039	0.00275	6.94E-06	3.2E-07	2.1E-05	2.9E-09	2.8E-05	8.51E-06	3.89997E-07	2.53E-05	1.64E-09	3.42E-05	7.5E-06	3E-07	5.46E-05	1.7E-09
3119	473363.09	3846377.25	0.00376	0.00369	0.00391	0.00271	6.85E-06	3.1E-07	2.1E-05	2.9E-09	2.8E-05	8.40E-06	3.84783E-07	2.54E-05	1.62E-09	3.42E-05	7.41E-06	2.96E-07	5.47E-05	1.67E-09
3120	473863.09	3846377.25	0.00379	0.00363	0.00384	0.00264	6.91E-06	3.1E-07	2E-05	2.8E-09	2.8E-05	8.47E-06	3.78526E-07	2.49E-05	1.58E-09	3.38E-05	7.46E-06	2.91E-07	5.37E-05	1.63E-09
3121	474363.09	3846377.25	0.00395	0.0038	0.00399	0.00272	7.20E-06	3.2E-07	2.1E-05	2.9E-09	2.9E-05	8.82E-06	3.96253E-07	2.59E-05	1.62E-09	3.51E-05	7.78E-06	3.05E-07	5.58E-05	1.68E-09
3122	474863.09	3846377.25	0.00458	0.00443	0.00455	0.00303	8.35E-06	3.8E-07	2.4E-05	3.2E-09	3.3E-05	1.02E-05	4.61948E-07	2.96E-05	1.81E-09	4.02E-05	9.02E-06	3.55E-07	6.36E-05	1.87E-09
3123	475363.09	3846377.25	0.00568	0.00564	0.00551	0.00337	1.04E-05	4.8E-07	2.9E-05	3.6E-09	4E-05	1.27E-05	5.88123E-07	3.58E-05	2.01E-09	4.91E-05	1.12E-05	4.52E-07	7.71E-05	2.08E-09
3124	475863.09	3846377.25	0.00706	0.00707	0.0073	0.00458	1.29E-05	6E-07	3.9E-05	4.9E-09	5.2E-05	1.58E-05	7.3724E-07	4.74E-05	2.73E-09	6.39E-05	1.39E-05	5.67E-07	0.000102	2.82E-09
3125	476363.09	3846377.25	0.00708	0.00711	0.00727	0.00469	1.29E-05	6.1E-07	3.9E-05	5E-09	5.2E-05	1.58E-05	7.41411E-07	4.72E-05	2.8E-09	6.38E-05	1.39E-05	5.7E-07	0.000102	2.89E-09
3126	476863.09	3846377.25	0.00654	0.00654	0.00691	0.00427	1.19E-05	5.6E-07	3.7E-05	4.6E-09	4.9E-05	1.46E-05	6.81973E-07	4.49E-05	2.55E-09	6.02E-05	1.29E-05	5.25E-07	9.67E-05	2.63E-09
3127	477363.09	3846377.25	0.00591	0.00547	0.00627	0.00402	1.08E-05	4.7E-07	3.3E-05	4.3E-09	4.5E-05	1.32E-05	5.70396E-07	4.07E-05	2.4E-09	5.45E-05	1.16E-05	4.39E-07	8.77E-05	2.48E-09
3128	477863.09	3846377.25	0.00479	0.00496	0.00476	0.00305	8.73E-06	4.2E-07	2.5E-05	3.3E-09	3.4E-05	1.07E-05	5.17215E-07	3.09E-05	1.82E-09	4.21E-05	9.43E-06	3.98E-07	6.66E-05	1.88E-09
3129	478363.09	3846377.25	0.00435	0.00412	0.00456	0.00265	7.93E-06	3.5E-07	2.4E-05	2.8E-09	3.3E-05	9.72E-06	4.29622E-07	2.96E-05	1.58E-09	3.98E-05	8.57E-06	3.3E-07	6.38E-05	1.63E-09
3130	478863.09	3846377.25	0.00436	0.00389	0.00454	0.00269	7.95E-06	3.3E-07	2.4E-05	2.9E-09	3.2E-05	9.74E-06	4.05638E-07	2.95E-05	1.61E-09	3.96E-05	8.59E-06	3.12E-07	6.35E-05	1.66E-09
3131	479363.09	3846377.25	0.00416	0.00422	0.00423	0.00253	7.58E-06	3.6E-07	2.2E-05	2.7E-09	3E-05	9.29E-06	4.4005E-07	2.75E-05	1.51E-09	3.72E-05	8.19E-06	3.39E-07	5.92E-05	1.56E-09
3132	479863.09	3846377.25	0.00377	0.00367	0.00389	0.00227	6.87E-06	3.1E-07	2.1E-05	2.4E-09	2.8E-05	8.42E-06	3.82697E-07	2.53E-05	1.35E-09	3.41E-05	7.42E-06	2.94E-07	5.44E-05	1.4E-09
3133	480363.09	3846377.25	0.00371	0.00328	0.00398	0.00229	6.76E-06	2.8E-07	2.1E-05	2.4E-09	2.8E-05	8.29E-06	3.42029E-07	2.59E-05	1.37E-09	3.45E-05	7.31E-06	2.63E-07	5.57E-05	1.41E-09
3134	480863.09	3846377.25	0.00304	0.00272	0.00317	0.00204	5.54E-06	2.3E-07	1.7E-05	2.2E-09	2.3E-05	6.79E-06	2.83634E-07	2.06E-05	1.22E-09	2.77E-05	5.99E-06	2.18E-07	4.43E-05	1.26E-09
3135	481363.09	3846377.25	0.00285	0.00279	0.00291	0.00193	5.20E-06	2.4E-07	1.5E-05	2.1E-09	2.1E-05	6.37E-06	2.90933E-07	1.89E-05	1.15E-09	2.56E-05	5.61E-06	2.24E-07	4.07E-05	1.19E-09
3136	481863.09	3846377.25	0.00253	0.00258	0.00254	0.00178	4.61E-06	2.2E-07	1.3E-05	1.9E-09	1.8E-05	5.65E-06	2.69035E-07	1.65E-05	1.06E-09	2.24E-05	4.98E-06	2.07E-07	3.55E-05	1.1E-09
3137	482363.09	3846377.25	0.00219	0.00195	0.00227	0.00165	3.99E-06	1.7E-07	1.2E-05	1.8E-09	1.6E-05	4.89E-06	2.0334E-07	1.47E-05	9.85E-10	1.98E-05	4.31E-06	1.56E-07	3.18E-05	1.02E-09
3138	482863.09	3846377.25	0.00185	0.00178	0.00188	0.00148	3.37E-06	1.5E-07	1E-05	1.6E-09	1.4E-05	4.13E-06	1.85613E-07	1.22E-05	8.83E-10	1.65E-05	3.64E-06	1.43E-07	2.63E-05	9.13E-10
3139	483363.09	3846377.25	0.00194	0.00189	0.00201	0.00151	3.54E-06	1.6E-07	1.1E-05	1.6E-09	1.4E-05	4.33E-06	1.97084E-07	1.31E-05	9.01E-10	1.76E-05	3.82E-06	1.52E-07	2.81E-05	9.31E-10
3140	483863.09	3846377.25	0.00186	0.00173	0.0019	0.00153	3.39E-06	1.5E-07	1E-05	1.6E-09	1.4E-05	4.15E-06	1.804E-07	1.23E-05	9.13E-10	1.67E-05	3.66E-06	1.39E-07	2.66E-05	9.43E-10
3141	484363.09	3846377.25	0.00166	0.00156	0.0017	0.00142	3.03E-06	1.3E-07	9E-06	1.5E-09	1.2E-05	3.71E-06	1.62672E-07	1.1E-05	8.48E-10	1.49E-05	3.27E-06	1.25E-07	2.38E-05	8.76E-10
3142	484863.09	3846377.25	0.00178	0.00163	0.00184	0.00144	3.24E-06	1.4E-07	9.8E-06	1.5E-09	1.3E-05	3.98E-06	1.69972E-07	1.2E-05	8.59E-10	1.61E-05	3.51E-06	1.31E-07	2.57E-05	8.88E-10
3143	485363.09	3846377.25	0.00174	0.00166	0.00177	0.00143	3.17E-06	1.4E-07	9.4E-06	1.5E-09	1.3E-05	3.89E-06	1.731E-07	1.15E-05	8.53E-10	1.56E-05	3.43E-06	1.33E-07	2.48E-05	8.82E-10
3144	485863.09	3846377.25	0.00157	0.00157	0.00159	0.00137	2.86E-06	1.3E-07	8.4E-06	1.5E-09	1.1E-05	3.51E-06	1.63715E-07	1.03E-05	8.18E-10	1.40E-05	3.09E-06	1.26E-07	2.22E-05	8.45E-10
3145	486363.09	3846377.25	0.00133	0.00127	0.00133	0.00123	2.42E-06	1.1E-07	7.1E-06	1.3E-09	9.6E-06	2.97E-06	1.32432E-07	8.64E-06	7.34E-10	1.17E-05	2.62E-06	1.02E-07	1.86E-05	7.58E-10
3146	486863.09	3846377.25	0.00127	0.00127	0.00126	0.00113	2.31E-06	1.1E-07	6.7E-06	1.2E-09	9.1E-06	2.84E-06	1.32432E-07	8.18E-06	6.74E-10	1.12E-05	2.5E-06	1.02E-07	1.76E-05	6.97E-10
3147	487363.09	3846377.25	0.00128	0.00131	0.00128	0.00112	2.33E-06	1.1E-07	6.8E-06	1.2E-09	9.2E-06	2.86E-06	1.36603E-07	8.31E-06	6.68E-10	1.13E-05	2.52E-06	1.05E-07	1.79E-05	6.91E-10
3148	487863.09	3846377.25	0.00137	0.00136	0.00139	0.00119	2.50E-06	1.2E-07	7.4E-06	1.3E-09	1E-05	3.06E-06	1.41817E-07	9.03E-06	7.1E-10	1.22E-05	2.7E-06	1.09E-07	1.94E-05	7.34E-10
3149	488363.09	3846377.25	0.00133	0.00128	0.00134	0.00117	2.42E-06	1.1E-07	7.1E-06	1.2E-09	9.7E-06	2.97E-06	1.33475E-07	8.7E-06	6.98E-10	1.18E-05	2.62E-06	1.03E-07	1.87E-05	7.21E-10
3150	488863.09	3846377.25	0.00133	0.00134	0.0013	0.00115	2.42E-06	1.1E-07	6.9E-06	1.2E-09	9.4E-06	2.97E-06	1.39731E-07	8.44E-06	6.86E-10	1.16E-05	2.62E-06	1.07E-07	1.82E-05	7.09E-10
3151	489363.09	3846377.25	0.00131	0.00123	0.0013	0.00114	2.39E-06	1E-07	6.9E-06	1.2E-09	9.4E-06	2.93E-06	1.28261E-07	8.44E-06	6.8E-10	1.15E-05	2.58E-06	9.87E-08	1.82E-05	7.03E-10
3152	489863.09	3846377.25	0.00126	0.00124	0.00123	0.0011	2.30E-06	1.1E-07	6.5E-06	1.2E-09	8.9E-06	2.81E-06	1.29304E-07	7.99E-06	6.57E-10	1.09E-05	2.48E-06	9.95E-08	1.72E-05	6.78E-10
3153	490363.09	3846377.25	0.00113	0.00121	0.00108	0.00104	2.06E-06	1E-07	5.7E-06	1.1E-09	7.9E-06	2.52E-06	1.26175E-07	7.01E-06	6.21E-10	9.67E-06	2.23E-06	9.71E-08	1.51E-05	6.41E-10
3154	490863.09	3846377.25	0.0011	0.00128	0.00104	0.00102	2.01E-06	1.1E-07	5.5E-06	1.1E-09	7.6E-06	2.46E-06	1.33475E-07	6.76E-06	6.09E-10	9.35E-06	2.17E-06	1.03E-07	1.45E-05	6.29E-10
3155	491363.09	3846377.25	0.00113	0.00132	0.00106	0.00104	2.06E-06	1.1E-07	5.6E-06	1.1E-09	7.8E-06	2.52E-06	1.37646E-07	6.89E-06	6.21E-10	9.55E-06	2.23E-06	1.06E-07	1.48E-05	6.41E-10
3156	491863.09	3846377.25	0.00128	0.0014	0.00122	0.00114	2.33E-06	1.2E-07	6.5E-06	1.2E-09	8.9E-06	2.86E-06	1.45988E-07	7.92E-06	6.8E-10	1.09E-05	2.52E-06	1.12E-07	1.71E-05	7.03E-10
3157	492363.09	3846377.25	0.00129	0.00133	0.00123	0.00118	2.35E-06	1.1E-07	6.5E-06	1.3E-09	9E-06	2.88E-06	1.38689E-07	7.99E-06	7.04E-10	1.10E-05	2.54E-06	1.07E-07	1.72E-05	7.28E-10
3158	492863.09	3846377.25	0.00135	0.00142	0.00129	0.00122	2.46E-06	1.2E-07	6.9E-06	1.3E-09	9.4E-06	3.02E-06	1.48074E-07	8.38E-06	7.28E-10	1.15E-05	2.66E-06	1.14E-07	1.8E-05	7.52E-10
3159	493363.09	3846377.25	0.00151	0.00156	0.00145	0.0013	2.75E-06	1.3E-07	7.7E-06	1.4E-09	1.1E-05	3.37E-06	1.62672E-07	9.42E-06	7.76E-10	1.30E-05	2.97E-06	1.25E-07	2.03E-05	8.02E-10
3160	493863.09	3846377.25	0.00164	0.00164	0.00157	0.00138	2.99E-06	1.4E-07	8.3E-06	1.5E-09	1.1E-05	3.66E-06	1.71015E-07	1.02E-05	8.24E-10	1.40E-05	3.23E-06	1.32E-07	2.2E-05	8.51E-10
3161	494363.09	3846377.25	0.00176	0.00177	0.00169	0.00145	3.21E-06	1.5E-07	9E-06	1.5E-09	1.2E-05	3.93E-06	1.84571E-07	1.1E-05	8.65E-10	1.51E-05	3.47E-06	1.42E-07	2.36E-05	8.94E-10
3162	494863.09	3846377.25	0.00188	0.00187	0.00182	0.00152	3.43E-06	1.6E-07	9.7E-06	1.6E-09	1.3E-05	4.20E-06	1.94998E-07	1.18E-05	9.07E-10	1.62E-05	3.7E-06	1.5E-07	2.55E-05	9.37E-10
3163	495363.09	3846377.25	0.00201	0.00202	0.00192	0.00161	3.66E-06	1.7E-07	1E-05	1.7E-09	1.4E-05	4.49E-06	2.1064E-07	1.25E-05	9.61E-10	1.72E-05	3.96E-06	1.62E-07	2.69E-05	9.93E-10
3164	495863.09	3846377.25	0.00217	0.00232	0.00203	0.00171	3.96E-06	2E-07	1.1E-05	1.8E-09	1.5E-05	4.85E-06	2.41923E-07	1.32E-05	1.02E-09	1.83E-05	4.27E-06	1.86E-07	2.84E-05	1.05E-09
3165	496363.09	3846377.25	0.00233	0.00254	0.00217	0.00182	4.25E-06	2.2E-07	1.2E-05	1.9E-09	1.6E-05	5.20E-06	2.64864E-07	1.41E-05	1.09E-09	1.96E-05	4.59E-06	2.04E-07	3.04E-05	1.12E-09
3166	496863.09	3846377.25	0.0025	0.00268	0.00231	0.00191	4.56E-06	2.3E-07	1.2E-05	2E-09	1.7E-05	5.58E-06	2.79463E-07	1.5E-05	1.14E-09	2.09E-05	4.92E-06	2.15E-07	3.23E-05	1.18E-09
3167	497363.09	3846377.25	0.00266	0.00283	0.00247	0.002	4.85E-06	2.4E-07	1.3E-05	2.1E-09	1.8E-05	5.94E-06	2.95104E-07	1.6E-05	1.19E-09	2.23E-05	5.24E-06	2.27E-07	3.46E-05	1.23E-09
3168	497863.09	3846377.25	0.00281	0.00301	0.00261	0.00209	5.12E-06	2.6E-07	1.4E-05	2.2E-09	1.9E-05	6.28E-06	3.13874E-07	1.7E-05	1.25E-09	2.35E-05	5.53E-06	2.41E-07	3.65E-05	1.29E-09

3169	498363.09	3846377.25	0.00295	0.00317	0.00275	0.00218	5.38E-06	2.7E-07	1.5E-05	2.3E-09	2E-05	6.59E-06	3.30559E-07	1.79E-05	1.3E-09	2.48E-05	5.81E-06	2.54E-07	3.85E-05	1.34E-09
3170	471363.09	3846877.25	0.00594	0.0057	0.00592	0.0047	1.08E-05	4.9E-07	3.1E-05	5E-09	4.3E-05	1.33E-05	5.9438E-07	3.85E-05	2.81E-09	5.23E-05	1.17E-05	4.57E-07	8.28E-05	2.9E-09
3171	471863.09	3846877.25	0.00599	0.00568	0.00593	0.00458	1.09E-05	4.8E-07	3.2E-05	4.9E-09	4.3E-05	1.34E-05	5.92294E-07	3.85E-05	2.73E-09	5.25E-05	1.18E-05	4.56E-07	8.3E-05	2.82E-09
3172	472363.09	3846877.25	0.00578	0.0055	0.00575	0.00432	1.05E-05	4.7E-07	3.1E-05	4.6E-09	4.2E-05	1.29E-05	5.73524E-07	3.73E-05	2.58E-09	5.08E-05	1.14E-05	4.41E-07	8.04E-05	2.66E-09
3173	472863.09	3846877.25	0.00403	0.004	0.00417	0.00294	7.35E-06	3.4E-07	2.2E-05	3.1E-09	3E-05	9.00E-06	4.17109E-07	2.71E-05	1.75E-09	3.65E-05	7.94E-06	3.21E-07	5.83E-05	1.81E-09
3174	473363.09	3846877.25	0.00439	0.00429	0.00449	0.00312	8.00E-06	3.7E-07	2.4E-05	3.3E-09	3.2E-05	9.81E-06	4.47349E-07	2.92E-05	1.86E-09	3.94E-05	8.65E-06	3.44E-07	6.28E-05	1.92E-09
3175	473863.09	3846877.25	0.00469	0.00454	0.00483	0.00332	8.55E-06	3.9E-07	2.6E-05	3.5E-09	3.5E-05	1.05E-05	4.73418E-07	3.14E-05	1.98E-09	4.23E-05	9.24E-06	3.64E-07	6.76E-05	2.05E-09
3176	474363.09	3846877.25	0.00445	0.00425	0.00452	0.00308	8.11E-06	3.6E-07	2.4E-05	3.3E-09	3.2E-05	9.94E-06	4.43178E-07	2.94E-05	1.84E-09	3.97E-05	8.76E-06	3.41E-07	6.32E-05	1.9E-09
3177	474863.09	3846877.25	0.00446	0.00426	0.00446	0.00302	8.13E-06	3.6E-07	2.4E-05	3.2E-09	3.2E-05	9.96E-06	4.44221E-07	2.9E-05	1.8E-09	3.94E-05	8.78E-06	3.42E-07	6.24E-05	1.86E-09
3178	475363.09	3846877.25	0.00486	0.00471	0.00484	0.0032	8.86E-06	4E-07	2.6E-05	3.4E-09	3.5E-05	1.09E-05	4.91145E-07	3.14E-05	1.91E-09	4.28E-05	9.57E-06	3.78E-07	6.77E-05	1.97E-09
3179	475863.09	3846877.25	0.00633	0.00628	0.00612	0.00373	1.15E-05	5.3E-07	3.3E-05	4E-09	4.5E-05	1.41E-05	6.54861E-07	3.98E-05	2.23E-09	5.45E-05	1.25E-05	5.04E-07	8.56E-05	2.3E-09
3180	476363.09	3846877.25	0.00774	0.00775	0.00798	0.00496	1.41E-05	6.6E-07	4.2E-05	5.3E-09	5.7E-05	1.73E-05	8.08148E-07	5.18E-05	2.96E-09	6.99E-05	1.52E-05	6.22E-07	0.000112	3.06E-09
3181	476863.09	3846877.25	0.00778	0.00784	0.00799	0.00509	1.42E-05	6.7E-07	4.2E-05	5.4E-09	5.7E-05	1.74E-05	8.17533E-07	5.19E-05	3.04E-09	7.01E-05	1.53E-05	6.29E-07	0.000112	3.14E-09
3182	477363.09	3846877.25	0.00724	0.00716	0.0077	0.00474	1.32E-05	6.1E-07	4.1E-05	5.1E-09	5.5E-05	1.62E-05	7.46625E-07	5E-05	2.83E-09	6.69E-05	1.43E-05	5.74E-07	0.000108	2.92E-09
3183	477863.09	3846877.25	0.00632	0.00588	0.00662	0.00422	1.15E-05	5E-07	3.5E-05	4.5E-09	4.7E-05	1.41E-05	6.1315E-07	4.3E-05	2.52E-09	5.77E-05	1.24E-05	4.72E-07	9.26E-05	2.6E-09
3184	478363.09	3846877.25	0.00534	0.00563	0.00532	0.00329	9.73E-06	4.8E-07	2.8E-05	3.5E-09	3.8E-05	1.19E-05	5.8708E-07	3.46E-05	1.96E-09	4.71E-05	1.05E-05	4.52E-07	7.44E-05	2.03E-09
3185	478863.09	3846877.25	0.00517	0.00458	0.00546	0.0031	9.42E-06	3.9E-07	2.9E-05	3.3E-09	3.9E-05	1.15E-05	4.77589E-07	3.55E-05	1.85E-09	4.75E-05	1.02E-05	3.67E-07	7.64E-05	1.91E-09
3186	479363.09	3846877.25	0.00495	0.00468	0.00507	0.00294	9.02E-06	4E-07	2.7E-05	3.1E-09	3.6E-05	1.11E-05	4.88017E-07	3.29E-05	1.75E-09	4.45E-05	9.75E-06	3.75E-07	7.09E-05	1.81E-09
3187	479863.09	3846877.25	0.00385	0.00393	0.00392	0.0024	7.02E-06	3.3E-07	2.1E-05	2.6E-09	2.8E-05	8.60E-06	4.09809E-07	2.55E-05	1.43E-09	3.45E-05	7.58E-06	3.15E-07	5.48E-05	1.48E-09
3188	480363.09	3846877.25	0.00325	0.00304	0.00342	0.00208	5.92E-06	2.6E-07	1.8E-05	2.2E-09	2.4E-05	7.26E-06	3.17003E-07	2.22E-05	1.24E-09	2.98E-05	6.4E-06	2.44E-07	4.78E-05	1.28E-09
3189	480863.09	3846877.25	0.00296	0.00263	0.00308	0.00203	5.40E-06	2.2E-07	1.6E-05	2.2E-09	2.2E-05	6.61E-06	2.74249E-07	2E-05	1.21E-09	2.69E-05	5.83E-06	2.11E-07	4.31E-05	1.25E-09
3190	481363.09	3846877.25	0.00299	0.00279	0.00308	0.00203	5.45E-06	2.4E-07	1.6E-05	2.2E-09	2.2E-05	6.68E-06	2.90933E-07	2E-05	1.21E-09	2.70E-05	5.89E-06	2.24E-07	4.31E-05	1.25E-09
3191	481863.09	3846877.25	0.00285	0.00294	0.00285	0.00195	5.20E-06	2.5E-07	1.5E-05	2.1E-09	2.1E-05	6.37E-06	3.06575E-07	1.85E-05	1.16E-09	2.52E-05	5.61E-06	2.36E-07	3.99E-05	1.2E-09
3192	482363.09	3846877.25	0.00236	0.00218	0.00243	0.00177	4.30E-06	1.9E-07	1.3E-05	1.9E-09	1.7E-05	5.27E-06	2.27324E-07	1.58E-05	1.06E-09	2.13E-05	4.65E-06	1.75E-07	3.4E-05	1.09E-09
3193	482863.09	3846877.25	0.0023	0.00214	0.00234	0.00169	4.19E-06	1.8E-07	1.2E-05	1.8E-09	1.7E-05	5.14E-06	2.23153E-07	1.52E-05	1.01E-09	2.06E-05	4.53E-06	1.72E-07	3.27E-05	1.04E-09
3194	483363.09	3846877.25	0.00226	0.00217	0.00234	0.00166	4.12E-06	1.8E-07	1.2E-05	1.8E-09	1.7E-05	5.05E-06	2.26281E-07	1.52E-05	9.91E-10	2.05E-05	4.45E-06	1.74E-07	3.27E-05	1.02E-09
3195	483863.09	3846877.25	0.00215	0.00198	0.00222	0.00168	3.92E-06	1.7E-07	1.2E-05	1.8E-09	1.6E-05	4.80E-06	2.06469E-07	1.44E-05	1E-09	1.94E-05	4.23E-06	1.59E-07	3.11E-05	1.04E-09
3196	484363.09	3846877.25	0.00207	0.00198	0.00213	0.00165	3.77E-06	1.7E-07	1.1E-05	1.8E-09	1.5E-05	4.62E-06	2.06469E-07	1.38E-05	9.85E-10	1.87E-05	4.08E-06	1.59E-07	2.98E-05	1.02E-09
3197	484863.09	3846877.25	0.00199	0.0018	0.00205	0.00157	3.63E-06	1.5E-07	1.1E-05	1.7E-09	1.5E-05	4.45E-06	1.87699E-07	1.33E-05	9.37E-10	1.79E-05	3.92E-06	1.44E-07	2.87E-05	9.68E-10
3198	485363.09	3846877.25	0.00195	0.00182	0.002	0.00156	3.55E-06	1.5E-07	1.1E-05	1.7E-09	1.4E-05	4.36E-06	1.89784E-07	1.3E-05	9.31E-10	1.75E-05	3.84E-06	1.46E-07	2.8E-05	9.62E-10
3199	485863.09	3846877.25	0.00178	0.00176	0.0018	0.0015	3.24E-06	1.5E-07	9.6E-06	1.6E-09	1.3E-05	3.98E-06	1.83528E-07	1.17E-05	8.95E-10	1.59E-05	3.51E-06	1.41E-07	2.52E-05	9.25E-10
3200	486363.09	3846877.25	0.0018	0.00167	0.00181	0.0015	3.28E-06	1.4E-07	9.6E-06	1.6E-09	1.3E-05	4.02E-06	1.74143E-07	1.18E-05	8.95E-10	1.60E-05	3.55E-06	1.34E-07	2.53E-05	9.25E-10
3201	486863.09	3846877.25	0.00157	0.00155	0.00158	0.0013	2.86E-06	1.3E-07	8.4E-06	1.4E-09	1.1E-05	3.51E-06	1.6163E-07	1.03E-05	7.76E-10	1.39E-05	3.09E-06	1.24E-07	2.21E-05	8.02E-10
3202	487363.09	3846877.25	0.00158	0.00161	0.00159	0.0013	2.88E-06	1.4E-07	8.4E-06	1.4E-09	1.1E-05	3.53E-06	1.67886E-07	1.03E-05	7.76E-10	1.40E-05	3.11E-06	1.29E-07	2.22E-05	8.02E-10
3203	487863.09	3846877.25	0.00153	0.00148	0.00155	0.0013	2.79E-06	1.3E-07	8.2E-06	1.4E-09	1.1E-05	3.42E-06	1.5433E-07	1.01E-05	7.76E-10	1.36E-05	3.01E-06	1.19E-07	2.17E-05	8.02E-10
3204	488363.09	3846877.25	0.00148	0.00144	0.00146	0.00127	2.70E-06	1.2E-07	7.8E-06	1.4E-09	1.1E-05	3.31E-06	1.50159E-07	9.48E-06	7.58E-10	1.29E-05	2.91E-06	1.16E-07	2.04E-05	7.83E-10
3205	488863.09	3846877.25	0.00148	0.00145	0.00144	0.00125	2.70E-06	1.2E-07	7.7E-06	1.3E-09	1E-05	3.31E-06	1.51202E-07	9.35E-06	7.46E-10	1.28E-05	2.91E-06	1.16E-07	2.01E-05	7.71E-10
3206	489363.09	3846877.25	0.00147	0.00136	0.00144	0.00124	2.68E-06	1.2E-07	7.7E-06	1.3E-09	1E-05	3.28E-06	1.41817E-07	9.35E-06	7.4E-10	1.28E-05	2.9E-06	1.09E-07	2.01E-05	7.65E-10
3207	489863.09	3846877.25	0.00143	0.00144	0.00138	0.00121	2.61E-06	1.2E-07	7.3E-06	1.3E-09	1E-05	3.19E-06	1.50159E-07	8.96E-06	7.22E-10	1.23E-05	2.82E-06	1.16E-07	1.93E-05	7.46E-10
3208	490363.09	3846877.25	0.00131	0.00145	0.00123	0.00114	2.39E-06	1.2E-07	6.5E-06	1.2E-09	9E-06	2.93E-06	1.51202E-07	7.99E-06	6.8E-10	1.11E-05	2.58E-06	1.16E-07	1.72E-05	7.03E-10
3209	490863.09	3846877.25	0.00131	0.00153	0.00123	0.00115	2.39E-06	1.3E-07	6.5E-06	1.2E-09	9.1E-06	2.93E-06	1.59544E-07	7.99E-06	6.86E-10	1.11E-05	2.58E-06	1.23E-07	1.72E-05	7.09E-10
3210	491363.09	3846877.25	0.00135	0.00151	0.00128	0.0012	2.46E-06	1.3E-07	6.8E-06	1.3E-09	9.4E-06	3.02E-06	1.57459E-07	8.31E-06	7.16E-10	1.15E-05	2.66E-06	1.21E-07	1.79E-05	7.4E-10
3211	491863.09	3846877.25	0.00135	0.00141	0.00128	0.00122	2.46E-06	1.2E-07	6.8E-06	1.3E-09	9.4E-06	3.02E-06	1.47031E-07	8.31E-06	7.28E-10	1.15E-05	2.66E-06	1.13E-07	1.79E-05	7.52E-10
3212	492363.09	3846877.25	0.00154	0.0016	0.00147	0.00133	2.81E-06	1.4E-07	7.8E-06	1.4E-09	1.1E-05	3.44E-06	1.66843E-07	9.55E-06	7.94E-10	1.32E-05	3.03E-06	1.28E-07	2.06E-05	8.2E-10
3213	492863.09	3846877.25	0.00163	0.00169	0.00155	0.00137	2.97E-06	1.4E-07	8.2E-06	1.5E-09	1.1E-05	3.64E-06	1.76228E-07	1.01E-05	8.18E-10	1.39E-05	3.21E-06	1.36E-07	2.17E-05	8.45E-10
3214	493363.09	3846877.25	0.00177	0.00178	0.00168	0.00145	3.23E-06	1.5E-07	8.9E-06	1.5E-09	1.2E-05	3.95E-06	1.85613E-07	1.09E-05	8.65E-10	1.51E-05	3.49E-06	1.43E-07	2.35E-05	8.94E-10
3215	493863.09	3846877.25	0.00189	0.00189	0.0018	0.00153	3.45E-06	1.6E-07	9.6E-06	1.6E-09	1.3E-05	4.22E-06	1.97084E-07	1.17E-05	9.13E-10	1.61E-05	3.72E-06	1.52E-07	2.52E-05	9.43E-10
3216	494363.09	3846877.25	0.00199	0.00197	0.0019	0.00159	3.63E-06	1.7E-07	1E-05	1.7E-09	1.4E-05	4.45E-06	2.05426E-07	1.23E-05	9.49E-10	1.70E-05	3.92E-06	1.58E-07	2.66E-05	9.8E-10
3217	494863.09	3846877.25	0.00213	0.00213	0.00201	0.00168	3.88E-06	1.8E-07	1.1E-05	1.8E-09	1.5E-05	4.76E-06	2.2211E-07	1.31E-05	1E-09	1.80E-05	4.19E-06	1.71E-07	2.81E-05	1.04E-09
3218	495363.09	3846877.25	0.00226	0.00242	0.00211	0.00176	4.12E-06	2.1E-07	1.1E-05	1.9E-09	1.6E-05	5.05E-06	2.52351E-07	1.37E-05	1.05E-09	1.90E-05	4.45E-06	1.94E-07	2.95E-05	1.09E-09
3219	495863.09	3846877.25	0.00241	0.00265	0.00222	0.00185	4.39E-06	2.3E-07	1.2E-05	2E-09	1.6E-05	5.38E-06	2.76335E-07	1.44E-05	1.1E-09	2.01E-05	4.75E-06	2.13E-07	3.11E-05	1.14E-09
3220	496363.09	3846877.25	0.00258	0.00279	0.00237	0.00196	4.70E-06	2.4E-07	1.3E-05	2.1E-09	1.8E-05	5.76E-06	2.90933E-07	1.54E-05	1.17E-09	2.14E-05	5.08E-06	2.24E-07	3.32E-05	1.21E-09
3221	496863.09	3846877.25	0.00279	0.003	0.00258	0.0021	5.09E-06	2.6E-07	1.4E-05	2.2E-09	1.9E-05	6.23E-06	3.12832E-07	1.68E-05	1.25E-09	2.33E-05	5.49E-06	2.41E-07	3.61E-05	1.29E-09
3222	497363.09	3846877.25	0.00307	0.0033	0.00284	0.00224	5.60E-06	2.8E-07	1.5E-05	2.4E-09	2.1E-05	6.86E-06	3.44115E-07	1.84E-05	1.34E-09	2.56E-05	6.05E-06	2.65E-07	3.97E-05	1.38E-09
3223	497863.09	3846877.25	0.00333	0.00358	0.0031	0.0024	6.07E-06	3E-07	1.6E-05	2.6E-09	2.3E-05	7.44E-06	3.73312E-07	2.01E-05	1.43E-09	2.79E-05	6.56E-06	2.87E-07	4.34E-05	1.48E-09
3224	498363.09	3846877.25	0.00346	0.0037	0.00325	0.00252	6.31E-06	3.1E-07	1.7E-05	2.7E-09	2.4E-05	7.73E-06	3.85826E-07	2.11E-05	1.5E-09	2.92E-05	6.81E-06	2.97E-07	4.55E-05	1.55E-09
3225	471363.09	3847377.25	0.00636	0.00619	0.00626	0.005	1.16E-05	5.3E-07	3.3E-05	5.3E-09	4.5E-05	1.42E-05	6.45476E-07	4.07E-05	2.98E-09	5.55E-05	1.25E-05	4.97E-07	8.76E-05	3.08E-09
3226	471863.09	3847377.25	0.00648	0.00623	0.00644	0.00515	1.18E-05	5.3E-07	3.4E-05	5.5E-09	4.7E-05	1.45E-05	6.49647E-07	4.18E-05	3.07E-09	5.70E-05	1.28E-05	5E-07	9.01E-05	3.18E-09
3227	472363.09	3847377.25	0.00657	0.00624	0.0065	0.00509	1.20E-05	5.3E-07	3.5E-05	5.4E-09	4.7E-05	1.47E-05	6.5069E-07	4.22E-05	3.04E-09	5.75E-05	1.29E-05	5.01E-07	9.09E-05	3.14E-09
3228	472863.09	3847377.25	0.00638	0.00608	0.00631	0.00473	1.16E-05	5.2E-07	3.4E-05	5E-09	4.6E-05	1.43E-05	6.34005E-07	4.1E-05	2.82E-09	5.59E-05	1.26E-05	4.88E-07	8.83E-05	2.92E-09
3229	473363.09	3847377.25	0.00536	0.00523	0.00548	0.0038	9.77E-06	4.5E-07	2.9E-05	4.1E-09	3.9E-05	1.20E-05	5.4537E-07	3.56E-05	2.27E-09	4.81E-05	1.06E-05	4.2E-07	7.67E-05	2.34E-09

3230	473863.09	3847377.25	0.0053	0.00515	0.00541	0.00373	9.66E-06	4.4E-07	2.9E-05	4E-09	3.9E-05	1.18E-05	5.37027E-07	3.51E-05	2.23E-09	4.75E-05	1.04E-05	4.13E-07	7.57E-05	2.3E-09
3231	474363.09	3847377.25	0.00551	0.00531	0.00563	0.00388	1.00E-05	4.5E-07	3E-05	4.1E-09	4E-05	1.23E-05	5.53712E-07	3.66E-05	2.32E-09	4.94E-05	1.09E-05	4.26E-07	7.88E-05	2.39E-09
3232	474863.09	3847377.25	0.0051	0.00487	0.0052	0.00352	9.30E-06	4.1E-07	2.8E-05	3.8E-09	3.7E-05	1.14E-05	5.0783E-07	3.38E-05	2.1E-09	4.57E-05	1E-05	3.91E-07	7.27E-05	2.17E-09
3233	475363.09	3847377.25	0.00481	0.00458	0.0048	0.0032	8.77E-06	3.9E-07	2.6E-05	3.4E-09	3.5E-05	1.07E-05	4.77589E-07	3.12E-05	1.91E-09	4.24E-05	9.47E-06	3.67E-07	6.71E-05	1.97E-09
3234	475863.09	3847377.25	0.00568	0.00545	0.00559	0.00371	1.04E-05	4.6E-07	3E-05	4E-09	4.1E-05	1.27E-05	5.68311E-07	3.63E-05	2.21E-09	4.96E-05	1.12E-05	4.37E-07	7.82E-05	2.29E-09
3235	476363.09	3847377.25	0.00751	0.0074	0.00719	0.0045	1.37E-05	6.3E-07	3.8E-05	4.8E-09	5.3E-05	1.68E-05	7.71651E-07	4.67E-05	2.69E-09	6.43E-05	1.48E-05	5.94E-07	0.000101	2.77E-09
3236	476863.09	3847377.25	0.00862	0.00863	0.00884	0.00548	1.57E-05	7.3E-07	4.7E-05	5.8E-09	6.3E-05	1.93E-05	8.99912E-07	5.74E-05	3.27E-09	7.76E-05	1.7E-05	6.92E-07	0.000124	3.38E-09
3237	477363.09	3847377.25	0.00883	0.00892	0.00906	0.0058	1.61E-05	7.6E-07	4.8E-05	6.2E-09	6.5E-05	1.97E-05	9.30152E-07	5.88E-05	3.46E-09	7.95E-05	1.74E-05	7.16E-07	0.000127	3.58E-09
3238	477863.09	3847377.25	0.00802	0.0078	0.00855	0.00524	1.46E-05	6.6E-07	4.5E-05	5.6E-09	6.1E-05	1.79E-05	8.13362E-07	5.55E-05	3.13E-09	7.43E-05	1.58E-05	6.26E-07	0.00012	3.23E-09
3239	478363.09	3847377.25	0.00709	0.0067	0.00731	0.00469	1.29E-05	5.7E-07	3.9E-05	5E-09	5.2E-05	1.58E-05	6.98657E-07	4.75E-05	2.8E-09	6.40E-05	1.4E-05	5.37E-07	0.000102	2.89E-09
3240	478863.09	3847377.25	0.00627	0.00651	0.00629	0.00377	1.14E-05	5.5E-07	3.3E-05	4E-09	4.5E-05	1.40E-05	6.78844E-07	4.09E-05	2.25E-09	5.55E-05	1.23E-05	5.22E-07	8.8E-05	2.32E-09
3241	479363.09	3847377.25	0.00507	0.0044	0.00537	0.00305	9.24E-06	3.7E-07	2.9E-05	3.3E-09	3.8E-05	1.13E-05	4.5882E-07	3.49E-05	1.82E-09	4.67E-05	9.99E-06	3.53E-07	7.51E-05	1.88E-09
3242	479863.09	3847377.25	0.00375	0.00373	0.00389	0.00242	6.84E-06	3.2E-07	2.1E-05	2.6E-09	2.8E-05	8.38E-06	3.88954E-07	2.53E-05	1.44E-09	3.40E-05	7.39E-06	2.99E-07	5.44E-05	1.49E-09
3243	480363.09	3847377.25	0.00256	0.00261	0.00258	0.0019	4.67E-06	2.2E-07	1.4E-05	2E-09	1.9E-05	5.72E-06	2.72163E-07	1.68E-05	1.13E-09	2.27E-05	5.04E-06	2.09E-07	3.61E-05	1.17E-09
3244	480863.09	3847377.25	0.00228	0.00214	0.00235	0.00177	4.16E-06	1.8E-07	1.2E-05	1.9E-09	1.7E-05	5.09E-06	2.23153E-07	1.53E-05	1.06E-09	2.06E-05	4.49E-06	1.72E-07	3.29E-05	1.09E-09
3245	481363.09	3847377.25	0.0025	0.00233	0.00258	0.00187	4.56E-06	2E-07	1.4E-05	2E-09	1.8E-05	5.58E-06	2.42966E-07	1.68E-05	1.12E-09	2.26E-05	4.92E-06	1.87E-07	3.61E-05	1.15E-09
3246	481863.09	3847377.25	0.00316	0.00315	0.0032	0.00212	5.76E-06	2.7E-07	1.7E-05	2.3E-09	2.3E-05	7.06E-06	3.28473E-07	2.08E-05	1.27E-09	2.82E-05	6.22E-06	2.53E-07	4.48E-05	1.31E-09
3247	482363.09	3847377.25	0.00294	0.0029	0.00298	0.00206	5.36E-06	2.5E-07	1.6E-05	2.2E-09	2.1E-05	6.57E-06	3.02404E-07	1.94E-05	1.23E-09	2.62E-05	5.79E-06	2.33E-07	4.17E-05	1.27E-09
3248	482863.09	3847377.25	0.00269	0.00244	0.00274	0.00192	4.90E-06	2.1E-07	1.5E-05	2E-09	2E-05	6.01E-06	2.54436E-07	1.78E-05	1.15E-09	2.41E-05	5.3E-06	1.96E-07	3.83E-05	1.18E-09
3249	483363.09	3847377.25	0.00255	0.00247	0.00263	0.00183	4.65E-06	2.1E-07	1.4E-05	2E-09	1.9E-05	5.70E-06	2.57565E-07	1.71E-05	1.09E-09	2.30E-05	5.02E-06	1.98E-07	3.68E-05	1.13E-09
3250	483863.09	3847377.25	0.00246	0.00219	0.00257	0.00186	4.48E-06	1.9E-07	1.4E-05	2E-09	1.8E-05	5.49E-06	2.28367E-07	1.67E-05	1.11E-09	2.24E-05	4.84E-06	1.76E-07	3.6E-05	1.15E-09
3251	484363.09	3847377.25	0.0025	0.00241	0.00255	0.00188	4.56E-06	2.1E-07	1.4E-05	2E-09	1.8E-05	5.58E-06	2.51308E-07	1.66E-05	1.12E-09	2.24E-05	4.92E-06	1.93E-07	3.57E-05	1.16E-09
3252	484863.09	3847377.25	0.00235	0.00212	0.00244	0.00177	4.28E-06	1.8E-07	1.3E-05	1.9E-09	1.7E-05	5.25E-06	2.21068E-07	1.58E-05	1.06E-09	2.13E-05	4.63E-06	1.7E-07	3.41E-05	1.09E-09
3253	485363.09	3847377.25	0.00226	0.00206	0.00232	0.00173	4.12E-06	1.8E-07	1.2E-05	1.8E-09	1.7E-05	5.05E-06	2.14811E-07	1.51E-05	1.03E-09	2.03E-05	4.45E-06	1.65E-07	3.25E-05	1.07E-09
3254	485863.09	3847377.25	0.00217	0.00212	0.0022	0.00172	3.96E-06	1.8E-07	1.2E-05	1.8E-09	1.6E-05	4.85E-06	2.21068E-07	1.43E-05	1.03E-09	1.94E-05	4.27E-06	1.7E-07	3.08E-05	1.06E-09
3255	486363.09	3847377.25	0.00213	0.002	0.00214	0.00167	3.88E-06	1.7E-07	1.1E-05	1.8E-09	1.5E-05	4.76E-06	2.08554E-07	1.39E-05	9.97E-10	1.89E-05	4.19E-06	1.6E-07	2.99E-05	1.03E-09
3256	486863.09	3847377.25	0.00191	0.00186	0.00193	0.0015	3.48E-06	1.6E-07	1E-05	1.6E-09	1.4E-05	4.27E-06	1.93956E-07	1.25E-05	8.95E-10	1.70E-05	3.76E-06	1.49E-07	2.7E-05	9.25E-10
3257	487363.09	3847377.25	0.00189	0.00187	0.00192	0.00149	3.45E-06	1.6E-07	1E-05	1.6E-09	1.4E-05	4.22E-06	1.94998E-07	1.25E-05	8.89E-10	1.69E-05	3.72E-06	1.5E-07	2.69E-05	9.19E-10
3258	487863.09	3847377.25	0.00174	0.00163	0.00174	0.00144	3.17E-06	1.4E-07	9.2E-06	1.5E-09	1.3E-05	3.89E-06	1.69972E-07	1.13E-05	8.59E-10	1.54E-05	3.43E-06	1.31E-07	2.43E-05	8.88E-10
3259	488363.09	3847377.25	0.0017	0.00166	0.00166	0.0014	3.10E-06	1.4E-07	8.8E-06	1.5E-09	1.2E-05	3.80E-06	1.731E-07	1.08E-05	8.36E-10	1.48E-05	3.35E-06	1.33E-07	2.32E-05	8.63E-10
3260	488863.09	3847377.25	0.00168	0.00157	0.00164	0.00137	3.06E-06	1.3E-07	8.7E-06	1.5E-09	1.2E-05	3.75E-06	1.63715E-07	1.07E-05	8.18E-10	1.46E-05	3.31E-06	1.26E-07	2.29E-05	8.45E-10
3261	489363.09	3847377.25	0.00168	0.00157	0.00163	0.00137	3.06E-06	1.3E-07	8.7E-06	1.5E-09	1.2E-05	3.75E-06	1.63715E-07	1.06E-05	8.18E-10	1.45E-05	3.31E-06	1.26E-07	2.28E-05	8.45E-10
3262	489863.09	3847377.25	0.00161	0.00167	0.00152	0.00131	2.93E-06	1.4E-07	8.1E-06	1.4E-09	1.1E-05	3.60E-06	1.74143E-07	9.87E-06	7.82E-10	1.36E-05	3.17E-06	1.34E-07	2.13E-05	8.08E-10
3263	490363.09	3847377.25	0.00157	0.00181	0.00145	0.00129	2.86E-06	1.5E-07	7.7E-06	1.4E-09	1.1E-05	3.51E-06	1.88742E-07	9.42E-06	7.7E-10	1.31E-05	3.09E-06	1.45E-07	2.03E-05	7.95E-10
3264	490863.09	3847377.25	0.0016	0.00181	0.0015	0.00133	2.92E-06	1.5E-07	8E-06	1.4E-09	1.1E-05	3.57E-06	1.88742E-07	9.74E-06	7.94E-10	1.35E-05	3.15E-06	1.45E-07	2.1E-05	8.2E-10
3265	491363.09	3847377.25	0.00162	0.00171	0.00153	0.00137	2.95E-06	1.5E-07	8.1E-06	1.5E-09	1.1E-05	3.62E-06	1.78314E-07	9.94E-06	8.18E-10	1.37E-05	3.19E-06	1.37E-07	2.14E-05	8.45E-10
3266	491863.09	3847377.25	0.00177	0.0018	0.00167	0.00146	3.23E-06	1.5E-07	8.9E-06	1.6E-09	1.2E-05	3.95E-06	1.87699E-07	1.08E-05	8.71E-10	1.50E-05	3.49E-06	1.44E-07	2.34E-05	9E-10
3267	492363.09	3847377.25	0.00181	0.00188	0.00171	0.00148	3.30E-06	1.6E-07	9.1E-06	1.6E-09	1.3E-05	4.04E-06	1.96041E-07	1.11E-05	8.83E-10	1.53E-05	3.56E-06	1.51E-07	2.39E-05	9.13E-10
3268	492863.09	3847377.25	0.00195	0.00197	0.00183	0.00156	3.55E-06	1.7E-07	9.7E-06	1.7E-09	1.3E-05	4.36E-06	2.05426E-07	1.19E-05	9.31E-10	1.64E-05	3.84E-06	1.58E-07	2.56E-05	9.62E-10
3269	493363.09	3847377.25	0.00206	0.00204	0.00195	0.00163	3.76E-06	1.7E-07	1E-05	1.7E-09	1.4E-05	4.60E-06	2.12725E-07	1.27E-05	9.73E-10	1.75E-05	4.06E-06	1.64E-07	2.73E-05	1.01E-09
3270	493863.09	3847377.25	0.00213	0.0021	0.002	0.00168	3.88E-06	1.8E-07	1.1E-05	1.8E-09	1.5E-05	4.76E-06	2.18982E-07	1.3E-05	1E-09	1.80E-05	4.19E-06	1.68E-07	2.8E-05	1.04E-09
3271	494363.09	3847377.25	0.00221	0.00223	0.00206	0.00173	4.03E-06	1.9E-07	1.1E-05	1.8E-09	1.5E-05	4.94E-06	2.32538E-07	1.34E-05	1.03E-09	1.86E-05	4.35E-06	1.79E-07	2.88E-05	1.07E-09
3272	494863.09	3847377.25	0.00234	0.00251	0.00215	0.00181	4.27E-06	2.1E-07	1.1E-05	1.9E-09	1.6E-05	5.23E-06	2.61736E-07	1.4E-05	1.08E-09	1.95E-05	4.61E-06	2.01E-07	3.01E-05	1.12E-09
3273	495363.09	3847377.25	0.00247	0.00273	0.00225	0.00189	4.50E-06	2.3E-07	1.2E-05	2E-09	1.7E-05	5.52E-06	2.84677E-07	1.46E-05	1.13E-09	2.04E-05	4.86E-06	2.19E-07	3.15E-05	1.17E-09
3274	495863.09	3847377.25	0.00264	0.00288	0.00242	0.002	4.81E-06	2.5E-07	1.3E-05	2.1E-09	1.8E-05	5.90E-06	3.00318E-07	1.57E-05	1.19E-09	2.19E-05	5.2E-06	2.31E-07	3.39E-05	1.23E-09
3275	496363.09	3847377.25	0.00281	0.00303	0.00258	0.00211	5.12E-06	2.6E-07	1.4E-05	2.3E-09	1.9E-05	6.28E-06	3.1596E-07	1.68E-05	1.26E-09	2.34E-05	5.53E-06	2.43E-07	3.61E-05	1.3E-09
3276	496863.09	3847377.25	0.00308	0.00332	0.00284	0.00227	5.61E-06	2.8E-07	1.5E-05	2.4E-09	2.1E-05	6.88E-06	3.462E-07	1.84E-05	1.35E-09	2.57E-05	6.07E-06	2.66E-07	3.97E-05	1.4E-09
3277	497363.09	3847377.25	0.00345	0.00372	0.00319	0.0025	6.29E-06	3.2E-07	1.7E-05	2.7E-09	2.4E-05	7.71E-06	3.87911E-07	2.07E-05	1.49E-09	2.88E-05	6.79E-06	2.98E-07	4.46E-05	1.54E-09
3278	497863.09	3847377.25	0.00389	0.00414	0.00364	0.00277	7.09E-06	3.5E-07	1.9E-05	3E-09	2.7E-05	8.69E-06	4.31707E-07	2.36E-05	1.65E-09	3.28E-05	7.66E-06	3.32E-07	5.09E-05	1.71E-09
3279	498363.09	3847377.25	0.00411	0.00432	0.00388	0.00295	7.49E-06	3.7E-07	2.1E-05	3.1E-09	2.8E-05	9.18E-06	4.50477E-07	2.52E-05	1.76E-09	3.48E-05	8.09E-06	3.47E-07	5.43E-05	1.82E-09
3280	471363.09	3847877.25	0.00682	0.00666	0.0068	0.00545	1.24E-05	5.7E-07	3.6E-05	5.8E-09	4.9E-05	1.52E-05	6.94486E-07	4.42E-05	3.25E-09	6.01E-05	1.34E-05	5.34E-07	9.51E-05	3.36E-09
3281	471863.09	3847877.25	0.007	0.00682	0.00687	0.0055	1.28E-05	5.8E-07	3.7E-05	5.9E-09	5E-05	1.56E-05	7.1117E-07	4.46E-05	3.28E-09	6.10E-05	1.38E-05	5.47E-07	9.61E-05	3.39E-09
3282	472363.09	3847877.25	0.00713	0.00687	0.00702	0.00564	1.30E-05	5.8E-07	3.7E-05	6E-09	5.1E-05	1.59E-05	7.16384E-07	4.56E-05	3.37E-09	6.22E-05	1.4E-05	5.51E-07	9.82E-05	3.48E-09
3283	472863.09	3847877.25	0.00722	0.00688	0.00714	0.00566	1.32E-05	5.9E-07	3.8E-05	6E-09	5.2E-05	1.61E-05	7.17427E-07	4.64E-05	3.38E-09	6.32E-05	1.42E-05	5.52E-07	9.99E-05	3.49E-09
3284	473363.09	3847877.25	0.00732	0.00687	0.00721	0.00558	1.33E-05	5.8E-07	3.8E-05	6E-09	5.2E-05	1.64E-05	7.16384E-07	4.68E-05	3.33E-09	6.39E-05	1.44E-05	5.51E-07	0.000101	3.44E-09
3285	473863.09	3847877.25	0.00703	0.00667	0.00698	0.0052	1.28E-05	5.7E-07	3.7E-05	5.5E-09	5E-05	1.57E-05	6.95529E-07	4.53E-05	3.1E-09	6.17E-05	1.38E-05	5.35E-07	9.76E-05	3.21E-09
3286	474363.09	3847877.25	0.00612	0.00594	0.00624	0.0043	1.12E-05	5.1E-07	3.3E-05	4.6E-09	4.5E-05	1.37E-05	6.19406E-07	4.05E-05	2.57E-09	5.48E-05	1.21E-05	4.76E-07	8.73E-05	2.65E-09
3287	474863.09	3847877.25	0.00635	0.00608	0.00643	0.00445	1.16E-05	5.2E-07	3.4E-05	4.7E-09	4.6E-05	1.42E-05	6.34005E-07	4.18E-05	2.66E-09	5.66E-05	1.25E-05	4.88E-07	8.99E-05	2.74E-09
3288	475363.09	3847877.25	0.00581	0.00557	0.00595	0.00401	1.06E-05	4.7E-07	3.2E-05	4.3E-09	4.3E-05	1.30E-05	5.80824E-07	3.86E-05	2.39E-09	5.22E-05	1.14E-05	4.47E-07	8.32E-05	2.47E-09
3289	475863.09	3847877.25	0.00537	0.00509	0.00535	0.00352	9.79E-06	4.3E-07	2.8E-05	3.8E-09	3.9E-05	1.20E-05	5.30771E-07	3.47E-05	2.1E-09	4.73E-05	1.06E-05	4.08E-07	7.48E-05	2.17E-09
3290	476363.09	3847877.25	0.00672	0.00636	0.0065	0.00439	1.22E-05	5.4E-07	3.5E-05	4.7E-09	4.7E-05	1.50E-05	6.63203E-07	4.22E-05	2.62E-09	5.79E-05	1.32E-05	5.1E-07	9.09E-05	2.71E-09

3291	476863.09	3847877.25	0.00835	0.0082	0.00794	0.00499	1.52E-05	7E-07	4.2E-05	5.3E-09	5.8E-05	1.87E-05	8.55073E-07	5.16E-05	2.98E-09	7.11E-05	1.64E-05	6.58E-07	0.000111	3.08E-09
3292	477363.09	3847877.25	0.00987	0.00987	0.01003	0.00634	1.80E-05	8.4E-07	5.3E-05	6.8E-09	7.2E-05	2.20E-05	1.02922E-06	6.51E-05	3.78E-09	8.82E-05	1.94E-05	7.92E-07	0.00014	3.91E-09
3293	477863.09	3847877.25	0.00998	0.01009	0.01025	0.00657	1.82E-05	8.6E-07	5.4E-05	7E-09	7.4E-05	2.23E-05	1.05216E-06	6.66E-05	3.92E-09	8.99E-05	1.97E-05	8.09E-07	0.000143	4.05E-09
3294	478363.09	3847877.25	0.00907	0.00865	0.00965	0.00594	1.65E-05	7.4E-07	5.1E-05	6.3E-09	6.9E-05	2.03E-05	9.01998E-07	6.27E-05	3.55E-09	8.38E-05	1.79E-05	6.94E-07	0.000135	3.66E-09
3295	478863.09	3847877.25	0.00783	0.00764	0.00797	0.00507	1.43E-05	6.5E-07	4.2E-05	5.4E-09	5.7E-05	1.75E-05	7.96678E-07	5.18E-05	3.03E-09	7.01E-05	1.54E-05	6.13E-07	0.000111	3.13E-09
3296	479363.09	3847877.25	0.00522	0.00521	0.00542	0.00315	9.52E-06	4.4E-07	2.9E-05	3.4E-09	3.9E-05	1.17E-05	5.43284E-07	3.52E-05	1.88E-09	4.74E-05	1.03E-05	4.18E-07	7.58E-05	1.94E-09
3297	479863.09	3847877.25	0.00304	0.00285	0.00314	0.00225	5.54E-06	2.4E-07	1.7E-05	2.4E-09	2.2E-05	6.79E-06	2.9719E-07	2.04E-05	1.34E-09	2.75E-05	5.99E-06	2.29E-07	4.39E-05	1.39E-09
3298	480363.09	3847877.25	0.00313	0.0032	0.0032	0.00223	5.71E-06	2.7E-07	1.7E-05	2.4E-09	2.3E-05	6.99E-06	3.33687E-07	2.08E-05	1.33E-09	2.81E-05	6.16E-06	2.57E-07	4.48E-05	1.37E-09
3299	480863.09	3847877.25	0.00272	0.00264	0.00281	0.00201	4.96E-06	2.2E-07	1.5E-05	2.1E-09	2E-05	6.08E-06	2.75292E-07	1.83E-05	1.2E-09	2.46E-05	5.36E-06	2.12E-07	3.93E-05	1.24E-09
3300	481363.09	3847877.25	0.00275	0.00253	0.00285	0.00202	5.01E-06	2.2E-07	1.5E-05	2.2E-09	2E-05	6.14E-06	2.63821E-07	1.85E-05	1.21E-09	2.49E-05	5.42E-06	2.03E-07	3.99E-05	1.25E-09
3301	481863.09	3847877.25	0.00377	0.0036	0.00391	0.00242	6.87E-06	3.1E-07	2.1E-05	2.6E-09	2.8E-05	8.42E-06	3.75398E-07	2.54E-05	1.44E-09	3.42E-05	7.42E-06	2.89E-07	5.47E-05	1.49E-09
3302	482363.09	3847877.25	0.00351	0.00357	0.00356	0.00231	6.40E-06	3E-07	1.9E-05	2.5E-09	2.6E-05	7.84E-06	3.7227E-07	2.31E-05	1.38E-09	3.13E-05	6.91E-06	2.86E-07	4.98E-05	1.42E-09
3303	482863.09	3847877.25	0.00307	0.00281	0.00313	0.00218	5.60E-06	2.4E-07	1.7E-05	2.3E-09	2.2E-05	6.86E-06	2.93019E-07	2.03E-05	1.3E-09	2.75E-05	6.05E-06	2.25E-07	4.38E-05	1.34E-09
3304	483363.09	3847877.25	0.00295	0.00286	0.00302	0.00203	5.38E-06	2.4E-07	1.6E-05	2.2E-09	2.2E-05	6.59E-06	2.98233E-07	1.96E-05	1.21E-09	2.65E-05	5.81E-06	2.29E-07	4.22E-05	1.25E-09
3305	483863.09	3847877.25	0.00288	0.00248	0.00303	0.00207	5.25E-06	2.1E-07	1.6E-05	2.2E-09	2.2E-05	6.43E-06	2.58607E-07	1.97E-05	1.24E-09	2.64E-05	5.67E-06	1.99E-07	4.24E-05	1.28E-09
3306	484363.09	3847877.25	0.00291	0.00283	0.00298	0.0021	5.30E-06	2.4E-07	1.6E-05	2.2E-09	2.1E-05	6.50E-06	2.95104E-07	1.94E-05	1.25E-09	2.62E-05	5.73E-06	2.27E-07	4.17E-05	1.29E-09
3307	484863.09	3847877.25	0.00279	0.00249	0.0029	0.00201	5.09E-06	2.1E-07	1.5E-05	2.1E-09	2.1E-05	6.23E-06	2.5965E-07	1.88E-05	1.2E-09	2.53E-05	5.49E-06	2E-07	4.06E-05	1.24E-09
3308	485363.09	3847877.25	0.00274	0.0024	0.00285	0.00198	4.99E-06	2E-07	1.5E-05	2.1E-09	2E-05	6.12E-06	2.50265E-07	1.85E-05	1.18E-09	2.49E-05	5.4E-06	1.93E-07	3.99E-05	1.22E-09
3309	485863.09	3847877.25	0.00266	0.00262	0.00267	0.00196	4.85E-06	2.2E-07	1.4E-05	2.1E-09	1.9E-05	5.94E-06	2.73206E-07	1.73E-05	1.17E-09	2.36E-05	5.24E-06	2.1E-07	3.74E-05	1.21E-09
3310	486363.09	3847877.25	0.00243	0.00237	0.00243	0.00183	4.43E-06	2E-07	1.3E-05	2E-09	1.8E-05	5.43E-06	2.47137E-07	1.58E-05	1.09E-09	2.15E-05	4.79E-06	1.9E-07	3.4E-05	1.13E-09
3311	486863.09	3847877.25	0.00228	0.00216	0.00231	0.00169	4.16E-06	1.8E-07	1.2E-05	1.8E-09	1.7E-05	5.09E-06	2.25239E-07	1.5E-05	1.01E-09	2.03E-05	4.49E-06	1.73E-07	3.23E-05	1.04E-09
3312	487363.09	3847877.25	0.00216	0.00208	0.00218	0.00166	3.94E-06	1.8E-07	1.2E-05	1.8E-09	1.6E-05	4.82E-06	2.16897E-07	1.42E-05	9.91E-10	1.92E-05	4.25E-06	1.67E-07	3.05E-05	1.02E-09
3313	487863.09	3847877.25	0.00202	0.0019	0.00198	0.0016	3.68E-06	1.6E-07	1.1E-05	1.7E-09	1.4E-05	4.51E-06	1.98127E-07	1.29E-05	9.55E-10	1.76E-05	3.98E-06	1.52E-07	2.77E-05	9.87E-10
3314	488363.09	3847877.25	0.00196	0.00187	0.00192	0.00153	3.57E-06	1.6E-07	1E-05	1.6E-09	1.4E-05	4.38E-06	1.94998E-07	1.25E-05	9.13E-10	1.70E-05	3.86E-06	1.5E-07	2.69E-05	9.43E-10
3315	488863.09	3847877.25	0.00195	0.00179	0.00188	0.00151	3.55E-06	1.5E-07	1E-05	1.6E-09	1.4E-05	4.36E-06	1.86656E-07	1.22E-05	9.01E-10	1.68E-05	3.84E-06	1.44E-07	2.63E-05	9.31E-10
3316	489363.09	3847877.25	0.00197	0.00189	0.00188	0.0015	3.59E-06	1.6E-07	1E-05	1.6E-09	1.4E-05	4.40E-06	1.97084E-07	1.22E-05	8.95E-10	1.68E-05	3.88E-06	1.52E-07	2.63E-05	9.25E-10
3317	489863.09	3847877.25	0.00208	0.00229	0.00194	0.00152	3.79E-06	1.9E-07	1E-05	1.6E-09	1.4E-05	4.65E-06	2.38795E-07	1.26E-05	9.07E-10	1.75E-05	4.1E-06	1.84E-07	2.71E-05	9.37E-10
3318	490363.09	3847877.25	0.00211	0.00241	0.00197	0.00155	3.85E-06	2.1E-07	1E-05	1.7E-09	1.5E-05	4.71E-06	2.51308E-07	1.28E-05	9.25E-10	1.78E-05	4.16E-06	1.93E-07	2.76E-05	9.56E-10
3319	490863.09	3847877.25	0.00209	0.00221	0.00196	0.0016	3.81E-06	1.9E-07	1E-05	1.7E-09	1.4E-05	4.67E-06	2.30453E-07	1.27E-05	9.55E-10	1.76E-05	4.12E-06	1.77E-07	2.74E-05	9.87E-10
3320	491363.09	3847877.25	0.00203	0.00205	0.0019	0.00159	3.70E-06	1.7E-07	1E-05	1.7E-09	1.4E-05	4.53E-06	2.13768E-07	1.23E-05	9.49E-10	1.71E-05	4E-06	1.64E-07	2.66E-05	9.8E-10
3321	491863.09	3847877.25	0.0021	0.00213	0.00197	0.00163	3.83E-06	1.8E-07	1E-05	1.7E-09	1.4E-05	4.69E-06	2.2211E-07	1.28E-05	9.73E-10	1.77E-05	4.14E-06	1.71E-07	2.76E-05	1.01E-09
3322	492363.09	3847877.25	0.00222	0.00224	0.00206	0.0017	4.05E-06	1.9E-07	1.1E-05	1.8E-09	1.5E-05	4.96E-06	2.33581E-07	1.34E-05	1.01E-09	1.86E-05	4.37E-06	1.8E-07	2.88E-05	1.05E-09
3323	492863.09	3847877.25	0.0023	0.00226	0.00215	0.00176	4.19E-06	1.9E-07	1.1E-05	1.9E-09	1.6E-05	5.14E-06	2.35666E-07	1.4E-05	1.05E-09	1.93E-05	4.53E-06	1.81E-07	3.01E-05	1.09E-09
3324	493363.09	3847877.25	0.00229	0.00226	0.00212	0.00177	4.17E-06	1.9E-07	1.1E-05	1.9E-09	1.6E-05	5.12E-06	2.35666E-07	1.38E-05	1.06E-09	1.91E-05	4.51E-06	1.81E-07	2.97E-05	1.09E-09
3325	493863.09	3847877.25	0.00234	0.00237	0.00214	0.00181	4.27E-06	2E-07	1.1E-05	1.9E-09	1.6E-05	5.23E-06	2.47137E-07	1.39E-05	1.08E-09	1.94E-05	4.61E-06	1.9E-07	2.99E-05	1.12E-09
3326	494363.09	3847877.25	0.00244	0.00263	0.00222	0.00188	4.45E-06	2.2E-07	1.2E-05	2E-09	1.6E-05	5.45E-06	2.74249E-07	1.44E-05	1.12E-09	2.01E-05	4.81E-06	2.11E-07	3.11E-05	1.16E-09
3327	494863.09	3847877.25	0.00259	0.00289	0.00234	0.00197	4.72E-06	2.5E-07	1.2E-05	2.1E-09	1.7E-05	5.79E-06	3.01361E-07	1.52E-05	1.18E-09	2.13E-05	5.1E-06	2.32E-07	3.27E-05	1.21E-09
3328	495363.09	3847877.25	0.00268	0.00295	0.00243	0.00204	4.89E-06	2.5E-07	1.3E-05	2.2E-09	1.8E-05	5.99E-06	3.07618E-07	1.58E-05	1.22E-09	2.21E-05	5.28E-06	2.37E-07	3.4E-05	1.26E-09
3329	495863.09	3847877.25	0.00256	0.00277	0.00233	0.00201	4.67E-06	2.4E-07	1.2E-05	2.1E-09	1.7E-05	5.72E-06	2.88848E-07	1.51E-05	1.2E-09	2.11E-05	5.04E-06	2.22E-07	3.26E-05	1.24E-09
3330	496363.09	3847877.25	0.00307	0.00332	0.00281	0.0023	5.60E-06	2.8E-07	1.5E-05	2.5E-09	2.1E-05	6.86E-06	3.462E-07	1.83E-05	1.37E-09	2.55E-05	6.05E-06	2.66E-07	3.93E-05	1.42E-09
3331	496863.09	3847877.25	0.00338	0.00367	0.00312	0.00248	6.16E-06	3.1E-07	1.7E-05	2.6E-09	2.3E-05	7.55E-06	3.82697E-07	2.03E-05	1.48E-09	2.82E-05	6.66E-06	2.94E-07	4.36E-05	1.53E-09
3332	497363.09	3847877.25	0.00377	0.00403	0.00352	0.00275	6.87E-06	3.4E-07	1.9E-05	2.9E-09	2.6E-05	8.42E-06	4.20237E-07	2.29E-05	1.64E-09	3.17E-05	7.42E-06	3.23E-07	4.92E-05	1.7E-09
3333	497863.09	3847877.25	0.00449	0.00471	0.00424	0.00321	8.18E-06	4E-07	2.3E-05	3.4E-09	3.1E-05	1.00E-05	4.91145E-07	2.75E-05	1.92E-09	3.81E-05	8.84E-06	3.78E-07	5.93E-05	1.98E-09
3334	498363.09	3847877.25	0.0049	0.00508	0.00464	0.00349	8.93E-06	4.3E-07	2.5E-05	3.7E-09	3.4E-05	1.09E-05	5.29728E-07	3.01E-05	2.08E-09	4.16E-05	9.65E-06	4.08E-07	6.49E-05	2.15E-09
3335	471363.09	3848377.25	0.00696	0.00669	0.0071	0.00592	1.27E-05	5.7E-07	3.8E-05	6.3E-09	5.1E-05	1.55E-05	6.97614E-07	4.61E-05	3.53E-09	6.24E-05	1.37E-05	5.37E-07	9.93E-05	3.65E-09
3336	471863.09	3848377.25	0.00734	0.00709	0.00744	0.00608	1.34E-05	6E-07	4E-05	6.5E-09	5.4E-05	1.64E-05	7.39325E-07	4.83E-05	3.63E-09	6.55E-05	1.45E-05	5.69E-07	0.000104	3.75E-09
3337	472363.09	3848377.25	0.00761	0.00742	0.00754	0.00602	1.39E-05	6.3E-07	4E-05	6.4E-09	5.5E-05	1.70E-05	7.73737E-07	4.9E-05	3.59E-09	6.68E-05	1.5E-05	5.95E-07	0.000105	3.71E-09
3338	472863.09	3848377.25	0.00782	0.00757	0.00767	0.00612	1.43E-05	6.4E-07	4.1E-05	6.5E-09	5.6E-05	1.75E-05	7.89378E-07	4.98E-05	3.65E-09	6.81E-05	1.54E-05	6.07E-07	0.000107	3.77E-09
3339	473363.09	3848377.25	0.00795	0.00761	0.00783	0.00622	1.45E-05	6.5E-07	4.2E-05	6.6E-09	5.7E-05	1.78E-05	7.93549E-07	5.09E-05	3.71E-09	6.94E-05	1.57E-05	6.1E-07	0.00011	3.84E-09
3340	473863.09	3848377.25	0.00808	0.00763	0.00795	0.0062	1.47E-05	6.5E-07	4.2E-05	6.6E-09	5.8E-05	1.80E-05	7.95635E-07	5.16E-05	3.7E-09	7.05E-05	1.59E-05	6.12E-07	0.000111	3.82E-09
3341	474363.09	3848377.25	0.00793	0.00751	0.00782	0.00587	1.45E-05	6.4E-07	4.2E-05	6.3E-09	5.7E-05	1.77E-05	7.83122E-07	5.08E-05	3.5E-09	6.93E-05	1.56E-05	6.02E-07	0.000109	3.62E-09
3342	474863.09	3848377.25	0.00716	0.00691	0.00722	0.00504	1.31E-05	5.9E-07	3.8E-05	5.4E-09	5.2E-05	1.60E-05	7.20555E-07	4.69E-05	3.01E-09	6.36E-05	1.41E-05	5.54E-07	0.000101	3.11E-09
3343	475363.09	3848377.25	0.00754	0.00714	0.00756	0.00537	1.37E-05	6.1E-07	4E-05	5.7E-09	5.5E-05	1.68E-05	7.44539E-07	4.91E-05	3.21E-09	6.67E-05	1.48E-05	5.73E-07	0.000106	3.31E-09
3344	475863.09	3848377.25	0.00686	0.00655	0.00699	0.00474	1.25E-05	5.6E-07	3.7E-05	5.1E-09	5E-05	1.53E-05	6.83015E-07	4.54E-05	2.83E-09	6.14E-05	1.35E-05	5.25E-07	9.78E-05	2.92E-09
3345	476363.09	3848377.25	0.00612	0.00579	0.0061	0.00397	1.12E-05	4.9E-07	3.2E-05	4.2E-09	4.4E-05	1.37E-05	6.03765E-07	3.96E-05	2.37E-09	5.39E-05	1.21E-05	4.64E-07	8.53E-05	2.45E-09
3346	476863.09	3848377.25	0.00774	0.00722	0.00739	0.00506	1.41E-05	6.1E-07	3.9E-05	5.4E-09	5.4E-05	1.73E-05	7.52881E-07	4.8E-05	3.02E-09	6.60E-05	1.52E-05	5.79E-07	0.000103	3.12E-09
3347	477363.09	3848377.25	0.00921	0.00905	0.00872	0.00545	1.68E-05	7.7E-07	4.6E-05	5.8E-09	6.4E-05	2.06E-05	9.43708E-07	5.66E-05	3.25E-09	7.82E-05	1.81E-05	7.26E-07	0.000122	3.36E-09
3348	477863.09	3848377.25	0.01107	0.01108	0.01119	0.00708	2.02E-05	9.4E-07	5.9E-05	7.6E-09	8.1E-05	2.47E-05	1.15539E-06	7.27E-05	4.23E-09	9.86E-05	2.18E-05	8.89E-07	0.000157	4.37E-09
3349	478363.09	3848377.25	0.01109	0.01122	0.01143	0.00723	2.02E-05	9.5E-07	6.1E-05	7.7E-09	8.2E-05	2.48E-05	1.16999E-06	7.42E-05	4.32E-09	1.00E-04	2.18E-05	9E-07	0.00016	4.46E-09
3350	478863.09	3848377.25	0.00964	0.00904	0.01029	0.00615	1.76E-05	7.7E-07	5.5E-05	6.6E-09	7.3E-05	2.15E-05	9.42666E-07	6.68E-05	3.67E-09	8.93E-05	1.9E-05	7.25E-07	0.000144	3.79E-09
3351	479363.09	3848377.25	0.00654	0.00669	0.0067	0.00403	1.19E-05	5.7E-07	3.6E-05	4.3E-09	4.8E-05	1.46E-05	6.97614E-07	4.35E-05	2.41E-09	5.88E-05	1.29E-05	5.37E-07	9.37E-05	2.48E-09

3352	479863.09	3848377.25	0.00224	0.00222	0.0023	0.00195	4.08E-06	1.9E-07	1.2E-05	2.1E-09	1.6E-05	5.00E-06	2.31495E-07	1.49E-05	1.16E-09	2.02E-05	4.41E-06	1.78E-07	3.22E-05	1.2E-09
3353	480363.09	3848377.25	0.00318	0.00307	0.00327	0.00235	5.80E-06	2.6E-07	1.7E-05	2.5E-09	2.3E-05	7.10E-06	3.20131E-07	2.12E-05	1.4E-09	2.87E-05	6.26E-06	2.46E-07	4.57E-05	1.45E-09
3354	480863.09	3848377.25	0.00446	0.00464	0.00457	0.00276	8.13E-06	3.9E-07	2.4E-05	2.9E-09	3.3E-05	9.96E-06	4.83846E-07	2.97E-05	1.65E-09	4.01E-05	8.78E-06	3.72E-07	6.39E-05	1.7E-09
3355	481363.09	3848377.25	0.0044	0.00382	0.00471	0.0027	8.02E-06	3.3E-07	2.5E-05	2.9E-09	3.3E-05	9.83E-06	3.98339E-07	3.06E-05	1.61E-09	4.08E-05	8.67E-06	3.06E-07	6.59E-05	1.66E-09
3356	481863.09	3848377.25	0.00447	0.00413	0.00467	0.00278	8.15E-06	3.5E-07	2.5E-05	3E-09	3.3E-05	9.98E-06	4.30665E-07	3.03E-05	1.66E-09	4.08E-05	8.8E-06	3.31E-07	6.53E-05	1.71E-09
3357	482363.09	3848377.25	0.00446	0.00445	0.00457	0.00272	8.13E-06	3.8E-07	2.4E-05	2.9E-09	3.3E-05	9.96E-06	4.64033E-07	2.97E-05	1.62E-09	4.01E-05	8.78E-06	3.57E-07	6.39E-05	1.68E-09
3358	482863.09	3848377.25	0.00375	0.0036	0.00382	0.0025	6.84E-06	3.1E-07	2E-05	2.7E-09	2.7E-05	8.38E-06	3.75398E-07	2.48E-05	1.49E-09	3.36E-05	7.39E-06	2.89E-07	5.34E-05	1.54E-09
3359	483363.09	3848377.25	0.00362	0.0035	0.0037	0.00238	6.60E-06	3E-07	2E-05	2.5E-09	2.7E-05	8.09E-06	3.6497E-07	2.4E-05	1.42E-09	3.25E-05	7.13E-06	2.81E-07	5.18E-05	1.47E-09
3360	483863.09	3848377.25	0.00328	0.0028	0.00347	0.00231	5.98E-06	2.4E-07	1.8E-05	2.5E-09	2.5E-05	7.33E-06	2.91976E-07	2.25E-05	1.38E-09	3.02E-05	6.46E-06	2.25E-07	4.85E-05	1.42E-09
3361	484363.09	3848377.25	0.00321	0.00308	0.00333	0.00232	5.85E-06	2.6E-07	1.8E-05	2.5E-09	2.4E-05	7.17E-06	3.21174E-07	2.16E-05	1.38E-09	2.91E-05	6.32E-06	2.47E-07	4.66E-05	1.43E-09
3362	484863.09	3848377.25	0.00343	0.00303	0.00357	0.00235	6.25E-06	2.6E-07	1.9E-05	2.5E-09	2.5E-05	7.66E-06	3.1596E-07	2.32E-05	1.4E-09	3.12E-05	6.76E-06	2.43E-07	4.99E-05	1.45E-09
3363	485363.09	3848377.25	0.00325	0.00274	0.0034	0.00225	5.92E-06	2.3E-07	1.8E-05	2.4E-09	2.4E-05	7.26E-06	2.85719E-07	2.21E-05	1.34E-09	2.96E-05	6.4E-06	2.2E-07	4.76E-05	1.39E-09
3364	485863.09	3848377.25	0.00311	0.00311	0.00311	0.00219	5.67E-06	2.6E-07	1.7E-05	2.3E-09	2.2E-05	6.95E-06	3.24302E-07	2.02E-05	1.31E-09	2.75E-05	6.13E-06	2.49E-07	4.35E-05	1.35E-09
3365	486363.09	3848377.25	0.0029	0.00286	0.00292	0.00206	5.29E-06	2.4E-07	1.6E-05	2.2E-09	2.1E-05	6.48E-06	2.98233E-07	1.9E-05	1.23E-09	2.57E-05	5.71E-06	2.29E-07	4.08E-05	1.27E-09
3366	486863.09	3848377.25	0.00267	0.00247	0.00272	0.00192	4.87E-06	2.1E-07	1.4E-05	2E-09	2E-05	5.96E-06	2.57565E-07	1.77E-05	1.15E-09	2.39E-05	5.26E-06	1.98E-07	3.81E-05	1.18E-09
3367	487363.09	3848377.25	0.00241	0.00227	0.00238	0.00181	4.39E-06	1.9E-07	1.3E-05	1.9E-09	1.7E-05	5.38E-06	2.36709E-07	1.55E-05	1.08E-09	2.11E-05	4.75E-06	1.82E-07	3.33E-05	1.12E-09
3368	487863.09	3848377.25	0.00235	0.00225	0.00229	0.00178	4.28E-06	1.9E-07	1.2E-05	1.9E-09	1.7E-05	5.25E-06	2.34624E-07	1.49E-05	1.06E-09	2.04E-05	4.63E-06	1.8E-07	3.2E-05	1.1E-09
3369	488363.09	3848377.25	0.00229	0.00214	0.00221	0.00171	4.17E-06	1.8E-07	1.2E-05	1.8E-09	1.6E-05	5.12E-06	2.23153E-07	1.44E-05	1.02E-09	1.97E-05	4.51E-06	1.72E-07	3.09E-05	1.05E-09
3370	488863.09	3848377.25	0.00231	0.00214	0.00219	0.00168	4.21E-06	1.8E-07	1.2E-05	1.8E-09	1.6E-05	5.16E-06	2.23153E-07	1.42E-05	1E-09	1.96E-05	4.55E-06	1.72E-07	3.06E-05	1.04E-09
3371	489363.09	3848377.25	0.00238	0.00243	0.0022	0.00168	4.34E-06	2.1E-07	1.2E-05	1.8E-09	1.6E-05	5.32E-06	2.53394E-07	1.43E-05	1E-09	1.99E-05	4.69E-06	1.95E-07	3.08E-05	1.04E-09
3372	489863.09	3848377.25	0.00256	0.00289	0.00236	0.00173	4.67E-06	2.5E-07	1.3E-05	1.8E-09	1.7E-05	5.72E-06	3.01361E-07	1.53E-05	1.03E-09	2.13E-05	5.04E-06	2.32E-07	3.3E-05	1.07E-09
3373	490363.09	3848377.25	0.00257	0.00279	0.00239	0.0018	4.68E-06	2.4E-07	1.3E-05	1.9E-09	1.8E-05	5.74E-06	2.90933E-07	1.55E-05	1.07E-09	2.16E-05	5.06E-06	2.24E-07	3.34E-05	1.11E-09
3374	490863.09	3848377.25	0.0025	0.00255	0.00232	0.00182	4.56E-06	2.2E-07	1.2E-05	1.9E-09	1.7E-05	5.58E-06	2.65907E-07	1.51E-05	1.09E-09	2.09E-05	4.92E-06	2.05E-07	3.25E-05	1.12E-09
3375	491363.09	3848377.25	0.0025	0.00248	0.00231	0.00184	4.56E-06	2.1E-07	1.2E-05	2E-09	1.7E-05	5.58E-06	2.58607E-07	1.5E-05	1.1E-09	2.08E-05	4.92E-06	1.99E-07	3.23E-05	1.13E-09
3376	491863.09	3848377.25	0.00256	0.00259	0.00235	0.00188	4.67E-06	2.2E-07	1.2E-05	2E-09	1.7E-05	5.72E-06	2.70078E-07	1.53E-05	1.12E-09	2.13E-05	5.04E-06	2.08E-07	3.29E-05	1.16E-09
3377	492363.09	3848377.25	0.00252	0.00247	0.00231	0.00188	4.59E-06	2.1E-07	1.2E-05	2E-09	1.7E-05	5.63E-06	2.57565E-07	1.5E-05	1.12E-09	2.09E-05	4.96E-06	1.98E-07	3.23E-05	1.16E-09
3378	492863.09	3848377.25	0.00246	0.00243	0.00224	0.00187	4.48E-06	2.1E-07	1.2E-05	2E-09	1.7E-05	5.49E-06	2.53394E-07	1.45E-05	1.12E-09	2.03E-05	4.84E-06	1.95E-07	3.13E-05	1.15E-09
3379	493363.09	3848377.25	0.00253	0.0026	0.00229	0.00192	4.61E-06	2.2E-07	1.2E-05	2E-09	1.7E-05	5.65E-06	2.71121E-07	1.49E-05	1.15E-09	2.08E-05	4.98E-06	2.09E-07	3.2E-05	1.18E-09
3380	493863.09	3848377.25	0.00262	0.00282	0.00235	0.00196	4.78E-06	2.4E-07	1.2E-05	2.1E-09	1.8E-05	5.85E-06	2.94062E-07	1.53E-05	1.17E-09	2.14E-05	5.16E-06	2.26E-07	3.29E-05	1.21E-09
3381	494363.09	3848377.25	0.00271	0.00303	0.00242	0.00204	4.94E-06	2.6E-07	1.3E-05	2.2E-09	1.8E-05	6.05E-06	3.1596E-07	1.57E-05	1.22E-09	2.21E-05	5.34E-06	2.43E-07	3.39E-05	1.26E-09
3382	494863.09	3848377.25	0.00289	0.0032	0.0026	0.00217	5.27E-06	2.7E-07	1.4E-05	2.3E-09	1.9E-05	6.46E-06	3.33687E-07	1.69E-05	1.3E-09	2.37E-05	5.69E-06	2.57E-07	3.64E-05	1.34E-09
3383	495363.09	3848377.25	0.00288	0.00312	0.00259	0.0022	5.25E-06	2.7E-07	1.4E-05	2.3E-09	1.9E-05	6.43E-06	3.25345E-07	1.68E-05	1.31E-09	2.36E-05	5.67E-06	2.5E-07	3.62E-05	1.36E-09
3384	495863.09	3848377.25	0.00301	0.00328	0.00274	0.0023	5.49E-06	2.8E-07	1.5E-05	2.5E-09	2E-05	6.72E-06	3.42029E-07	1.78E-05	1.37E-09	2.49E-05	5.93E-06	2.63E-07	3.83E-05	1.42E-09
3385	496363.09	3848377.25	0.00336	0.00365	0.00309	0.00252	6.12E-06	3.1E-07	1.6E-05	2.7E-09	2.3E-05	7.51E-06	3.80612E-07	2.01E-05	1.5E-09	2.80E-05	6.62E-06	2.93E-07	4.32E-05	1.55E-09
3386	496863.09	3848377.25	0.00346	0.00373	0.00321	0.00263	6.31E-06	3.2E-07	1.7E-05	2.8E-09	2.4E-05	7.73E-06	3.88954E-07	2.08E-05	1.57E-09	2.90E-05	6.81E-06	2.99E-07	4.49E-05	1.62E-09
3387	497363.09	3848377.25	0.00399	0.00422	0.00373	0.00299	7.27E-06	3.6E-07	2E-05	3.2E-09	2.7E-05	8.91E-06	4.4005E-07	2.42E-05	1.78E-09	3.36E-05	7.86E-06	3.39E-07	5.22E-05	1.84E-09
3388	497863.09	3848377.25	0.00544	0.00567	0.00515	0.00384	9.92E-06	4.8E-07	2.7E-05	4.1E-09	3.8E-05	1.22E-05	5.91252E-07	3.35E-05	2.29E-09	4.62E-05	1.07E-05	4.55E-07	7.2E-05	2.37E-09
3389	498363.09	3848377.25	0.00579	0.006	0.00553	0.0041	1.06E-05	5.1E-07	2.9E-05	4.4E-09	4E-05	1.29E-05	6.25663E-07	3.59E-05	2.45E-09	4.95E-05	1.14E-05	4.81E-07	7.74E-05	2.53E-09
3390	471363.09	3848877.25	0.00681	0.00665	0.00668	0.00558	1.24E-05	5.7E-07	3.5E-05	6E-09	4.8E-05	1.52E-05	6.93443E-07	4.34E-05	3.33E-09	5.93E-05	1.34E-05	5.33E-07	9.34E-05	3.44E-09
3391	471863.09	3848877.25	0.00734	0.00708	0.00736	0.00618	1.34E-05	6E-07	3.9E-05	6.6E-09	5.3E-05	1.64E-05	7.38282E-07	4.78E-05	3.69E-09	6.49E-05	1.45E-05	5.68E-07	0.000103	3.81E-09
3392	472363.09	3848877.25	0.00784	0.0075	0.00796	0.00661	1.43E-05	6.4E-07	4.2E-05	7.1E-09	5.7E-05	1.75E-05	7.82079E-07	5.17E-05	3.95E-09	7.00E-05	1.54E-05	6.02E-07	0.000111	4.08E-09
3393	472863.09	3848877.25	0.00826	0.00796	0.00831	0.00676	1.51E-05	6.8E-07	4.4E-05	7.2E-09	6E-05	1.85E-05	8.30046E-07	5.4E-05	4.03E-09	7.33E-05	1.63E-05	6.39E-07	0.000116	4.17E-09
3394	473363.09	3848877.25	0.00862	0.00832	0.0085	0.00683	1.57E-05	7.1E-07	4.5E-05	7.3E-09	6.2E-05	1.93E-05	8.67586E-07	5.52E-05	4.08E-09	7.53E-05	1.7E-05	6.67E-07	0.000119	4.21E-09
3395	473863.09	3848877.25	0.00883	0.00848	0.00867	0.00689	1.61E-05	7.2E-07	4.6E-05	7.4E-09	6.3E-05	1.97E-05	8.8427E-07	5.63E-05	4.11E-09	7.69E-05	1.74E-05	6.8E-07	0.000121	4.25E-09
3396	474363.09	3848877.25	0.00908	0.00854	0.0089	0.00702	1.66E-05	7.3E-07	4.7E-05	7.5E-09	6.5E-05	2.03E-05	8.90527E-07	5.78E-05	4.19E-09	7.90E-05	1.79E-05	6.85E-07	0.000125	4.33E-09
3397	474863.09	3848877.25	0.00876	0.00837	0.00862	0.00638	1.60E-05	7.1E-07	4.6E-05	6.8E-09	6.2E-05	1.96E-05	8.728E-07	5.6E-05	3.81E-09	7.64E-05	1.73E-05	6.71E-07	0.000121	3.93E-09
3398	475363.09	3848877.25	0.00856	0.00817	0.00849	0.00611	1.56E-05	7E-07	4.5E-05	6.5E-09	6.1E-05	1.91E-05	8.51945E-07	5.51E-05	3.65E-09	7.51E-05	1.69E-05	6.55E-07	0.000119	3.77E-09
3399	475863.09	3848877.25	0.00871	0.00819	0.00867	0.00627	1.59E-05	7E-07	4.6E-05	6.7E-09	6.3E-05	1.95E-05	8.5403E-07	5.63E-05	3.74E-09	7.66E-05	1.72E-05	6.57E-07	0.000121	3.87E-09
3400	476363.09	3848877.25	0.00824	0.00779	0.0083	0.00577	1.50E-05	6.6E-07	4.4E-05	6.2E-09	6E-05	1.84E-05	8.12319E-07	5.39E-05	3.44E-09	7.31E-05	1.62E-05	6.25E-07	0.000116	3.56E-09
3401	476863.09	3848877.25	0.00759	0.00711	0.00755	0.00498	1.38E-05	6.1E-07	4E-05	5.3E-09	5.5E-05	1.70E-05	7.41411E-07	4.9E-05	2.97E-09	6.67E-05	1.49E-05	5.7E-07	0.000106	3.07E-09
3402	477363.09	3848877.25	0.00901	0.00821	0.00848	0.00587	1.64E-05	7E-07	4.5E-05	6.3E-09	6.2E-05	2.01E-05	8.56116E-07	5.51E-05	3.5E-09	7.61E-05	1.77E-05	6.59E-07	0.000119	3.62E-09
3403	477863.09	3848877.25	0.01056	0.01027	0.00989	0.00631	1.92E-05	8.7E-07	5.3E-05	6.7E-09	7.3E-05	2.36E-05	1.07093E-06	6.42E-05	3.77E-09	8.89E-05	2.08E-05	8.24E-07	0.000138	3.89E-09
3404	478363.09	3848877.25	0.01268	0.01267	0.0127	0.0082	2.31E-05	1.1E-06	6.7E-05	8.7E-09	9.2E-05	2.83E-05	1.32119E-06	8.25E-05	4.89E-09	1.12E-04	2.5E-05	1.02E-06	0.000178	5.06E-09
3405	478863.09	3848877.25	0.01237	0.01251	0.01282	0.00793	2.25E-05	1.1E-06	6.8E-05	8.5E-09	9.2E-05	2.76E-05	1.30451E-06	8.33E-05	4.73E-09	1.12E-04	2.44E-05	1E-06	0.000179	4.89E-09
3406	479363.09	3848877.25	0.01008	0.00935	0.01076	0.00623	1.84E-05	8E-07	5.7E-05	6.6E-09	7.6E-05	2.25E-05	9.74992E-07	6.99E-05	3.72E-09	9.34E-05	1.99E-05	7.5E-07	0.000151	3.84E-09
3407	479863.09	3848877.25	0.00724	0.00754	0.00737	0.00431	1.32E-05	6.4E-07	3.9E-05	4.6E-09	5.3E-05	1.62E-05	7.8625E-07	4.79E-05	2.57E-09	6.48E-05	1.43E-05	6.05E-07	0.000103	2.66E-09
3408	480363.09	3848877.25	0.00691	0.00625	0.00718	0.00401	1.26E-05	5.3E-07	3.8E-05	4.3E-09	5.1E-05	1.54E-05	6.51732E-07	4.66E-05	2.39E-09	6.27E-05	1.36E-05	5.01E-07	0.0001	2.47E-09
3409	480863.09	3848877.25	0.00706	0.00689	0.00733	0.00397	1.29E-05	5.9E-07	3.9E-05	4.2E-09	5.2E-05	1.58E-05	7.1847E-07	4.76E-05	2.37E-09	6.41E-05	1.39E-05	5.53E-07	0.000103	2.45E-09
3410	481363.09	3848877.25	0.00645	0.00628	0.0067	0.0036	1.18E-05	5.3E-07	3.6E-05	3.8E-09	4.8E-05	1.44E-05	6.54861E-07	4.35E-05	2.15E-09	5.86E-05	1.27E-05	5.04E-07	9.37E-05	2.22E-09
3411	481863.09	3848877.25	0.00537	0.00466	0.00564	0.00319	9.79E-06	4E-07	3E-05	3.4E-09	4E-05	1.20E-05	4.85932E-07	3.66E-05	1.9E-09	4.91E-05	1.06E-05	3.74E-07	7.89E-05	1.97E-09
3412	482363.09	3848877.25	0.00439	0.00428	0.00447	0.00276	8.00E-06	3.6E-07	2.4E-05	2.9E-09	3.2E-05	9.81E-06	4.46306E-07	2.9E-05	1.65E-09	3.93E-05	8.65E-06	3.43E-07	6.25E-05	1.7E-09

3413	482863.09	3848877.25	0.00362	0.00359	0.00367	0.00251	6.60E-06	3.1E-07	1.9E-05	2.7E-09	2.6E-05	8.09E-06	3.74355E-07	2.38E-05	1.5E-09	3.23E-05	7.13E-06	2.88E-07	5.13E-05	1.55E-09
3414	483363.09	3848877.25	0.00316	0.00307	0.00321	0.0023	5.76E-06	2.6E-07	1.7E-05	2.5E-09	2.3E-05	7.06E-06	3.20131E-07	2.08E-05	1.37E-09	2.82E-05	6.22E-06	2.46E-07	4.49E-05	1.42E-09
3415	483863.09	3848877.25	0.0031	0.00275	0.00323	0.00226	5.65E-06	2.3E-07	1.7E-05	2.4E-09	2.3E-05	6.92E-06	2.86762E-07	2.1E-05	1.35E-09	2.82E-05	6.11E-06	2.21E-07	4.52E-05	1.39E-09
3416	484363.09	3848877.25	0.00365	0.0034	0.00377	0.00254	6.65E-06	2.9E-07	2E-05	2.7E-09	2.7E-05	8.15E-06	3.54542E-07	2.45E-05	1.52E-09	3.30E-05	7.19E-06	2.73E-07	5.27E-05	1.57E-09
3417	484863.09	3848877.25	0.00418	0.00379	0.00437	0.00272	7.62E-06	3.2E-07	2.3E-05	2.9E-09	3.1E-05	9.34E-06	3.9521E-07	2.84E-05	1.62E-09	3.81E-05	8.23E-06	3.04E-07	6.11E-05	1.68E-09
3418	485363.09	3848877.25	0.00393	0.00322	0.00413	0.00259	7.16E-06	2.7E-07	2.2E-05	2.8E-09	2.9E-05	8.78E-06	3.35772E-07	2.68E-05	1.55E-09	3.59E-05	7.74E-06	2.58E-07	5.78E-05	1.6E-09
3419	485863.09	3848877.25	0.0037	0.00377	0.0037	0.00247	6.74E-06	3.2E-07	2E-05	2.6E-09	2.7E-05	8.26E-06	3.93125E-07	2.4E-05	1.47E-09	3.27E-05	7.29E-06	3.02E-07	5.18E-05	1.52E-09
3420	486363.09	3848877.25	0.00332	0.00327	0.00334	0.00227	6.05E-06	2.8E-07	1.8E-05	2.4E-09	2.4E-05	7.42E-06	3.40986E-07	2.17E-05	1.35E-09	2.95E-05	6.54E-06	2.62E-07	4.67E-05	1.4E-09
3421	486863.09	3848877.25	0.00296	0.00262	0.00299	0.0021	5.40E-06	2.2E-07	1.6E-05	2.2E-09	2.2E-05	6.61E-06	2.73206E-07	1.94E-05	1.25E-09	2.63E-05	5.83E-06	2.1E-07	4.18E-05	1.29E-09
3422	487363.09	3848877.25	0.00293	0.0028	0.00284	0.00206	5.34E-06	2.4E-07	1.5E-05	2.2E-09	2.1E-05	6.54E-06	2.91976E-07	1.84E-05	1.23E-09	2.53E-05	5.77E-06	2.25E-07	3.97E-05	1.27E-09
3423	487863.09	3848877.25	0.00279	0.0026	0.0027	0.00199	5.09E-06	2.2E-07	1.4E-05	2.1E-09	2E-05	6.23E-06	2.71121E-07	1.75E-05	1.19E-09	2.40E-05	5.49E-06	2.09E-07	3.78E-05	1.23E-09
3424	488363.09	3848877.25	0.00278	0.00262	0.00262	0.00195	5.07E-06	2.2E-07	1.4E-05	2.1E-09	1.9E-05	6.21E-06	2.73206E-07	1.7E-05	1.16E-09	2.35E-05	5.48E-06	2.1E-07	3.67E-05	1.2E-09
3425	488863.09	3848877.25	0.00279	0.00268	0.00259	0.00188	5.09E-06	2.3E-07	1.4E-05	2E-09	1.9E-05	6.23E-06	2.79463E-07	1.68E-05	1.12E-09	2.33E-05	5.49E-06	2.15E-07	3.62E-05	1.16E-09
3426	489363.09	3848877.25	0.00292	0.00317	0.0027	0.0019	5.32E-06	2.7E-07	1.4E-05	2E-09	2E-05	6.52E-06	3.30559E-07	1.75E-05	1.13E-09	2.44E-05	5.75E-06	2.54E-07	3.78E-05	1.17E-09
3427	489863.09	3848877.25	0.00307	0.00334	0.00284	0.00199	5.60E-06	2.8E-07	1.5E-05	2.1E-09	2.1E-05	6.86E-06	3.48286E-07	1.84E-05	1.19E-09	2.57E-05	6.05E-06	2.68E-07	3.97E-05	1.23E-09
3428	490363.09	3848877.25	0.00299	0.0031	0.00274	0.00204	5.45E-06	2.6E-07	1.5E-05	2.2E-09	2E-05	6.68E-06	3.23259E-07	1.78E-05	1.22E-09	2.48E-05	5.89E-06	2.49E-07	3.83E-05	1.26E-09
3429	490863.09	3848877.25	0.00295	0.00291	0.00268	0.00203	5.38E-06	2.5E-07	1.4E-05	2.2E-09	2E-05	6.59E-06	3.03447E-07	1.74E-05	1.21E-09	2.43E-05	5.81E-06	2.33E-07	3.75E-05	1.25E-09
3430	491363.09	3848877.25	0.00299	0.00296	0.00271	0.00207	5.45E-06	2.5E-07	1.4E-05	2.2E-09	2E-05	6.68E-06	3.0866E-07	1.76E-05	1.24E-09	2.46E-05	5.89E-06	2.37E-07	3.79E-05	1.28E-09
3431	491863.09	3848877.25	0.00291	0.00286	0.00262	0.00206	5.30E-06	2.4E-07	1.4E-05	2.2E-09	1.9E-05	6.50E-06	2.98233E-07	1.7E-05	1.23E-09	2.38E-05	5.73E-06	2.29E-07	3.67E-05	1.27E-09
3432	492363.09	3848877.25	0.00284	0.00279	0.00253	0.00206	5.18E-06	2.4E-07	1.3E-05	2.2E-09	1.9E-05	6.34E-06	2.90933E-07	1.64E-05	1.23E-09	2.31E-05	5.59E-06	2.24E-07	3.54E-05	1.27E-09
3433	492863.09	3848877.25	0.00275	0.00283	0.00244	0.00203	5.01E-06	2.4E-07	1.3E-05	2.2E-09	1.8E-05	6.14E-06	2.95104E-07	1.58E-05	1.21E-09	2.23E-05	5.42E-06	2.27E-07	3.41E-05	1.25E-09
3434	493363.09	3848877.25	0.00268	0.00291	0.00237	0.00201	4.89E-06	2.5E-07	1.3E-05	2.1E-09	1.8E-05	5.99E-06	3.03447E-07	1.54E-05	1.2E-09	2.17E-05	5.28E-06	2.33E-07	3.32E-05	1.24E-09
3435	493863.09	3848877.25	0.00289	0.00323	0.00256	0.00215	5.27E-06	2.7E-07	1.4E-05	2.3E-09	1.9E-05	6.46E-06	3.36815E-07	1.66E-05	1.28E-09	2.34E-05	5.69E-06	2.59E-07	3.58E-05	1.33E-09
3436	494363.09	3848877.25	0.00304	0.00338	0.00269	0.00227	5.54E-06	2.9E-07	1.4E-05	2.4E-09	2E-05	6.79E-06	3.52457E-07	1.75E-05	1.35E-09	2.46E-05	5.99E-06	2.71E-07	3.76E-05	1.4E-09
3437	494863.09	3848877.25	0.00331	0.00363	0.00296	0.00246	6.03E-06	3.1E-07	1.6E-05	2.6E-09	2.2E-05	7.39E-06	3.78526E-07	1.92E-05	1.47E-09	2.70E-05	6.52E-06	2.91E-07	4.14E-05	1.52E-09
3438	495363.09	3848877.25	0.00355	0.00387	0.00321	0.00261	6.47E-06	3.3E-07	1.7E-05	2.8E-09	2.4E-05	7.93E-06	4.03553E-07	2.08E-05	1.56E-09	2.92E-05	6.99E-06	3.1E-07	4.49E-05	1.61E-09
3439	495863.09	3848877.25	0.00347	0.00378	0.00317	0.00262	6.33E-06	3.2E-07	1.7E-05	2.8E-09	2.3E-05	7.75E-06	3.94168E-07	2.06E-05	1.56E-09	2.87E-05	6.83E-06	3.03E-07	4.43E-05	1.62E-09
3440	496363.09	3848877.25	0.00369	0.00398	0.00341	0.0028	6.73E-06	3.4E-07	1.8E-05	3E-09	2.5E-05	8.24E-06	4.15023E-07	2.21E-05	1.67E-09	3.08E-05	7.27E-06	3.19E-07	4.77E-05	1.73E-09
3441	496863.09	3848877.25	0.00425	0.00453	0.00396	0.00319	7.75E-06	3.9E-07	2.1E-05	3.4E-09	2.9E-05	9.49E-06	4.72376E-07	2.57E-05	1.9E-09	3.57E-05	8.37E-06	3.63E-07	5.54E-05	1.97E-09
3442	497363.09	3848877.25	0.00549	0.00578	0.00517	0.00395	1.00E-05	4.9E-07	2.7E-05	4.2E-09	3.8E-05	1.23E-05	6.02722E-07	3.36E-05	2.36E-09	4.64E-05	1.08E-05	4.64E-07	7.23E-05	2.44E-09
3443	497863.09	3848877.25	0.00625	0.00651	0.00597	0.00442	1.14E-05	5.5E-07	3.2E-05	4.7E-09	4.4E-05	1.40E-05	6.78844E-07	3.88E-05	2.64E-09	5.34E-05	1.23E-05	5.22E-07	8.35E-05	2.73E-09
3444	498363.09	3848877.25	0.00691	0.00717	0.0067	0.00487	1.26E-05	6.1E-07	3.6E-05	5.2E-09	4.9E-05	1.54E-05	7.47667E-07	4.35E-05	2.91E-09	5.97E-05	1.36E-05	5.75E-07	9.37E-05	3E-09
3445	471363.09	3849377.25	0.00659	0.00624	0.00646	0.00509	1.20E-05	5.3E-07	3.4E-05	5.4E-09	4.7E-05	1.47E-05	6.5069E-07	4.2E-05	3.04E-09	5.73E-05	1.3E-05	5.01E-07	9.04E-05	3.14E-09
3446	471863.09	3849377.25	0.00722	0.00691	0.00702	0.00577	1.32E-05	5.9E-07	3.7E-05	6.2E-09	5.1E-05	1.61E-05	7.20555E-07	4.56E-05	3.44E-09	6.24E-05	1.42E-05	5.54E-07	9.82E-05	3.56E-09
3447	472363.09	3849377.25	0.00777	0.00748	0.00763	0.00637	1.42E-05	6.4E-07	4.1E-05	6.8E-09	5.5E-05	1.74E-05	7.79993E-07	4.96E-05	3.8E-09	6.77E-05	1.53E-05	6E-07	0.000107	3.93E-09
3448	472863.09	3849377.25	0.00835	0.00798	0.00835	0.00698	1.52E-05	6.8E-07	4.4E-05	7.4E-09	6E-05	1.87E-05	8.32132E-07	5.42E-05	4.17E-09	7.37E-05	1.64E-05	6.4E-07	0.000117	4.3E-09
3449	473363.09	3849377.25	0.0089	0.00847	0.00899	0.00742	1.62E-05	7.2E-07	4.8E-05	7.9E-09	6.5E-05	1.99E-05	8.83228E-07	5.84E-05	4.43E-09	7.92E-05	1.75E-05	6.79E-07	0.000126	4.57E-09
3450	473863.09	3849377.25	0.00941	0.00901	0.00938	0.00763	1.72E-05	7.7E-07	5E-05	8.1E-09	6.8E-05	2.10E-05	9.39537E-07	6.09E-05	4.55E-09	8.29E-05	1.85E-05	7.23E-07	0.000131	4.7E-09
3451	474363.09	3849377.25	0.00981	0.00939	0.00964	0.00769	1.79E-05	8E-07	5.1E-05	8.2E-09	7E-05	2.19E-05	9.79163E-07	6.26E-05	4.59E-09	8.55E-05	1.93E-05	7.53E-07	0.000135	4.74E-09
3452	474863.09	3849377.25	0.01017	0.00955	0.00995	0.00785	1.85E-05	8.1E-07	5.3E-05	8.4E-09	7.2E-05	2.27E-05	9.95847E-07	6.46E-05	4.69E-09	8.83E-05	2E-05	7.66E-07	0.000139	4.84E-09
3453	475363.09	3849377.25	0.0103	0.00961	0.01006	0.00775	1.88E-05	8.2E-07	5.3E-05	8.3E-09	7.3E-05	2.30E-05	1.0021E-06	6.53E-05	4.63E-09	8.94E-05	2.03E-05	7.71E-07	0.000141	4.78E-09
3454	475863.09	3849377.25	0.01054	0.00962	0.01031	0.00777	1.92E-05	8.2E-07	5.5E-05	8.3E-09	7.5E-05	2.35E-05	1.00315E-06	6.7E-05	4.64E-09	9.15E-05	2.08E-05	7.72E-07	0.000144	4.79E-09
3455	476363.09	3849377.25	0.01061	0.00956	0.01044	0.00776	1.93E-05	8.1E-07	5.5E-05	8.3E-09	7.6E-05	2.37E-05	9.9689E-07	6.78E-05	4.63E-09	9.25E-05	2.09E-05	7.67E-07	0.000146	4.78E-09
3456	476863.09	3849377.25	0.01021	0.00929	0.01011	0.00735	1.86E-05	7.9E-07	5.4E-05	7.8E-09	7.3E-05	2.28E-05	9.68735E-07	6.57E-05	4.39E-09	8.94E-05	2.01E-05	7.45E-07	0.000141	4.53E-09
3457	477363.09	3849377.25	0.00959	0.00876	0.00945	0.00657	1.75E-05	7.5E-07	5E-05	7E-09	6.8E-05	2.14E-05	9.13468E-07	6.14E-05	3.92E-09	8.37E-05	1.89E-05	7.03E-07	0.000132	4.05E-09
3458	477863.09	3849377.25	0.00988	0.00902	0.0093	0.00628	1.80E-05	7.7E-07	4.9E-05	6.7E-09	6.8E-05	2.21E-05	9.4058E-07	6.04E-05	3.75E-09	8.34E-05	1.95E-05	7.24E-07	0.00013	3.87E-09
3459	478363.09	3849377.25	0.01206	0.01161	0.01117	0.00721	2.20E-05	9.9E-07	5.9E-05	7.7E-09	8.2E-05	2.69E-05	1.21066E-06	7.26E-05	4.3E-09	1.01E-04	2.38E-05	9.31E-07	0.000156	4.45E-09
3460	478863.09	3849377.25	0.01394	0.01403	0.01399	0.00858	2.54E-05	1.2E-06	7.4E-05	9.2E-09	0.0001	3.11E-05	1.46301E-06	9.09E-05	5.12E-09	1.23E-04	2.75E-05	1.13E-06	0.000196	5.29E-09
3461	479363.09	3849377.25	0.0139	0.01397	0.01444	0.00876	2.53E-05	1.2E-06	7.7E-05	9.3E-09	0.0001	3.10E-05	1.45675E-06	9.38E-05	5.23E-09	1.26E-04	2.74E-05	1.12E-06	0.000202	5.4E-09
3462	479863.09	3849377.25	0.01086	0.01012	0.01153	0.00656	1.98E-05	8.6E-07	6.1E-05	7E-09	8.2E-05	2.43E-05	1.05528E-06	7.49E-05	3.92E-09	1.00E-04	2.14E-05	8.12E-07	0.000161	4.04E-09
3463	480363.09	3849377.25	0.01068	0.01087	0.0107	0.00619	1.95E-05	9.2E-07	5.7E-05	6.6E-09	7.7E-05	2.39E-05	1.13349E-06	6.95E-05	3.69E-09	9.45E-05	2.1E-05	8.72E-07	0.00015	3.82E-09
3464	480863.09	3849377.25	0.00938	0.00865	0.00964	0.00515	1.71E-05	7.4E-07	5.1E-05	5.5E-09	6.9E-05	2.10E-05	9.01998E-07	6.26E-05	3.07E-09	8.45E-05	1.85E-05	6.94E-07	0.000135	3.18E-09
3465	481363.09	3849377.25	0.00773	0.00787	0.00791	0.00426	1.41E-05	6.7E-07	4.2E-05	4.5E-09	5.7E-05	1.73E-05	8.20661E-07	5.14E-05	2.54E-09	6.95E-05	1.52E-05	6.31E-07	0.000111	2.63E-09
3466	481863.09	3849377.25	0.00521	0.00464	0.00546	0.00319	9.50E-06	3.9E-07	2.9E-05	3.4E-09	3.9E-05	1.16E-05	4.83846E-07	3.55E-05	1.9E-09	4.76E-05	1.03E-05	3.72E-07	7.64E-05	1.97E-09
3467	482363.09	3849377.25	0.00447	0.00416	0.00452	0.00286	8.15E-06	3.5E-07	2.4E-05	3.1E-09	3.3E-05	9.98E-06	4.33793E-07	2.94E-05	1.71E-09	3.98E-05	8.8E-06	3.34E-07	6.32E-05	1.76E-09
3468	482863.09	3849377.25	0.00362	0.00355	0.00367	0.00254	6.60E-06	3E-07	1.9E-05	2.7E-09	2.6E-05	8.09E-06	3.70184E-07	2.38E-05	1.52E-09	3.23E-05	7.13E-06	2.85E-07	5.13E-05	1.57E-09
3469	483363.09	3849377.25	0.00328	0.00329	0.00328	0.00243	5.98E-06	2.8E-07	1.7E-05	2.6E-09	2.4E-05	7.33E-06	3.43072E-07	2.13E-05	1.45E-09	2.90E-05	6.46E-06	2.64E-07	4.59E-05	1.5E-09
3470	483863.09	3849377.25	0.00282	0.00264	0.00292	0.00222	5.14E-06	2.2E-07	1.6E-05	2.4E-09	2.1E-05	6.30E-06	2.75292E-07	1.9E-05	1.32E-09	2.55E-05	5.55E-06	2.12E-07	4.08E-05	1.37E-09
3471	484363.09	3849377.25	0.00407	0.00371	0.00426	0.00279	7.42E-06	3.2E-07	2.3E-05	3E-09	3E-05	9.09E-06	3.86868E-07	2.77E-05	1.67E-09	3.71E-05	8.02E-06	2.98E-07	5.96E-05	1.72E-09
3472	484863.09	3849377.25	0.00501	0.00461	0.00525	0.0031	9.13E-06	3.9E-07	2.8E-05	3.3E-09	3.7E-05	1.12E-05	4.80718E-07	3.41E-05	1.85E-09	4.58E-05	9.87E-06	3.7E-07	7.34E-05	1.91E-09
3473	485363.09	3849377.25	0.00477	0.00388	0.00501	0.003	8.69E-06	3.3E-07	2.7E-05	3.2E-09	3.6E-05	1.07E-05	4.04595E-07	3.25E-05	1.79E-09	4.36E-05	9.39E-06	3.11E-07	7.01E-05	1.85E-09

3474	485863.09	3849377.25	0.00354	0.00358	0.00356	0.00248	6.45E-06	3E-07	1.9E-05	2.6E-09	2.6E-05	7.91E-06	3.73312E-07	2.31E-05	1.48E-09	3.14E-05	6.97E-06	2.87E-07	4.98E-05	1.53E-09
3475	486363.09	3849377.25	0.00291	0.0029	0.00289	0.00218	5.30E-06	2.5E-07	1.5E-05	2.3E-09	2.1E-05	6.50E-06	3.02404E-07	1.88E-05	1.3E-09	2.56E-05	5.73E-06	2.33E-07	4.04E-05	1.34E-09
3476	486863.09	3849377.25	0.00342	0.00295	0.00339	0.00236	6.23E-06	2.5E-07	1.8E-05	2.5E-09	2.4E-05	7.64E-06	3.07618E-07	2.2E-05	1.41E-09	3.00E-05	6.74E-06	2.37E-07	4.74E-05	1.46E-09
3477	487363.09	3849377.25	0.0035	0.00342	0.00338	0.00232	6.38E-06	2.9E-07	1.8E-05	2.5E-09	2.5E-05	7.82E-06	3.56628E-07	2.2E-05	1.38E-09	3.01E-05	6.89E-06	2.74E-07	4.73E-05	1.43E-09
3478	487863.09	3849377.25	0.00339	0.00308	0.00322	0.00225	6.18E-06	2.6E-07	1.7E-05	2.4E-09	2.4E-05	7.57E-06	3.21174E-07	2.09E-05	1.34E-09	2.88E-05	6.68E-06	2.47E-07	4.5E-05	1.39E-09
3479	488363.09	3849377.25	0.0034	0.0033	0.00315	0.00218	6.20E-06	2.8E-07	1.7E-05	2.3E-09	2.3E-05	7.59E-06	3.44115E-07	2.05E-05	1.3E-09	2.84E-05	6.7E-06	2.65E-07	4.41E-05	1.34E-09
3480	488863.09	3849377.25	0.00354	0.00361	0.00325	0.00217	6.45E-06	3.1E-07	1.7E-05	2.3E-09	2.4E-05	7.91E-06	3.76441E-07	2.11E-05	1.3E-09	2.94E-05	6.97E-06	2.9E-07	4.55E-05	1.34E-09
3481	489363.09	3849377.25	0.00365	0.00394	0.00336	0.0022	6.65E-06	3.4E-07	1.8E-05	2.3E-09	2.5E-05	8.15E-06	4.10852E-07	2.18E-05	1.31E-09	3.04E-05	7.19E-06	3.16E-07	4.7E-05	1.36E-09
3482	489863.09	3849377.25	0.00369	0.00381	0.00336	0.00231	6.73E-06	3.2E-07	1.8E-05	2.5E-09	2.5E-05	8.24E-06	3.97296E-07	2.18E-05	1.38E-09	3.05E-05	7.27E-06	3.06E-07	4.7E-05	1.42E-09
3483	490363.09	3849377.25	0.00358	0.00358	0.00321	0.00231	6.53E-06	3E-07	1.7E-05	2.5E-09	2.4E-05	8.00E-06	3.73312E-07	2.08E-05	1.38E-09	2.92E-05	7.05E-06	2.87E-07	4.49E-05	1.42E-09
3484	490863.09	3849377.25	0.00358	0.00345	0.0032	0.00233	6.53E-06	2.9E-07	1.7E-05	2.5E-09	2.4E-05	8.00E-06	3.59756E-07	2.08E-05	1.39E-09	2.91E-05	7.05E-06	2.77E-07	4.48E-05	1.44E-09
3485	491363.09	3849377.25	0.00362	0.00352	0.00319	0.00237	6.60E-06	3E-07	1.7E-05	2.5E-09	2.4E-05	8.09E-06	3.67056E-07	2.07E-05	1.41E-09	2.92E-05	7.13E-06	2.82E-07	4.46E-05	1.46E-09
3486	491863.09	3849377.25	0.00353	0.00345	0.00307	0.00237	6.43E-06	2.9E-07	1.6E-05	2.5E-09	2.3E-05	7.89E-06	3.59756E-07	1.99E-05	1.41E-09	2.82E-05	6.95E-06	2.77E-07	4.29E-05	1.46E-09
3487	492363.09	3849377.25	0.00349	0.00358	0.00302	0.00237	6.36E-06	3E-07	1.6E-05	2.5E-09	2.3E-05	7.80E-06	3.73312E-07	1.96E-05	1.41E-09	2.78E-05	6.87E-06	2.87E-07	4.22E-05	1.46E-09
3488	492863.09	3849377.25	0.00327	0.00351	0.00285	0.0023	5.96E-06	3E-07	1.5E-05	2.5E-09	2.1E-05	7.30E-06	3.66013E-07	1.85E-05	1.37E-09	2.62E-05	6.44E-06	2.82E-07	3.99E-05	1.42E-09
3489	493363.09	3849377.25	0.00333	0.00371	0.00291	0.00237	6.07E-06	3.2E-07	1.5E-05	2.5E-09	2.2E-05	7.44E-06	3.86868E-07	1.89E-05	1.41E-09	2.67E-05	6.56E-06	2.98E-07	4.07E-05	1.46E-09
3490	493863.09	3849377.25	0.00347	0.00389	0.00304	0.0025	6.33E-06	3.3E-07	1.6E-05	2.7E-09	2.3E-05	7.75E-06	4.05638E-07	1.97E-05	1.49E-09	2.79E-05	6.83E-06	3.12E-07	4.25E-05	1.54E-09
3491	494363.09	3849377.25	0.00377	0.00416	0.00335	0.00272	6.87E-06	3.5E-07	1.8E-05	2.9E-09	2.5E-05	8.42E-06	4.33793E-07	2.18E-05	1.62E-09	3.06E-05	7.42E-06	3.34E-07	4.69E-05	1.68E-09
3492	494863.09	3849377.25	0.00447	0.00486	0.00403	0.00312	8.15E-06	4.1E-07	2.1E-05	3.3E-09	3E-05	9.98E-06	5.06787E-07	2.62E-05	1.86E-09	3.67E-05	8.8E-06	3.9E-07	5.64E-05	1.92E-09
3493	495363.09	3849377.25	0.00488	0.00525	0.00444	0.00339	8.90E-06	4.5E-07	2.4E-05	3.6E-09	3.3E-05	1.09E-05	5.47455E-07	2.88E-05	2.02E-09	4.03E-05	9.61E-06	4.21E-07	6.21E-05	2.09E-09
3494	495863.09	3849377.25	0.00415	0.00449	0.00382	0.00311	7.56E-06	3.8E-07	2E-05	3.3E-09	2.8E-05	9.27E-06	4.68205E-07	2.48E-05	1.86E-09	3.46E-05	8.17E-06	3.6E-07	5.34E-05	1.92E-09
3495	496363.09	3849377.25	0.00422	0.00457	0.00394	0.00323	7.69E-06	3.9E-07	2.1E-05	3.4E-09	2.9E-05	9.43E-06	4.76547E-07	2.56E-05	1.93E-09	3.55E-05	8.31E-06	3.67E-07	5.51E-05	1.99E-09
3496	496863.09	3849377.25	0.0057	0.00603	0.00538	0.00412	1.04E-05	5.1E-07	2.9E-05	4.4E-09	3.9E-05	1.27E-05	6.28791E-07	3.49E-05	2.46E-09	4.83E-05	1.12E-05	4.84E-07	7.53E-05	2.54E-09
3497	497363.09	3849377.25	0.00639	0.00665	0.00612	0.00462	1.16E-05	5.7E-07	3.3E-05	4.9E-09	4.5E-05	1.43E-05	6.93443E-07	3.98E-05	2.76E-09	5.47E-05	1.26E-05	5.33E-07	8.56E-05	2.85E-09
3498	497863.09	3849377.25	0.00846	0.00873	0.00822	0.0058	1.54E-05	7.4E-07	4.4E-05	6.2E-09	6E-05	1.89E-05	9.1034E-07	5.34E-05	3.46E-09	7.32E-05	1.67E-05	7E-07	0.000115	3.58E-09
3499	498363.09	3849377.25	0.00837	0.00868	0.00821	0.00592	1.53E-05	7.4E-07	4.4E-05	6.3E-09	6E-05	1.87E-05	9.05126E-07	5.33E-05	3.53E-09	7.29E-05	1.65E-05	6.96E-07	0.000115	3.65E-09
3500	471363.09	3849877.25	0.00609	0.00604	0.00596	0.00434	1.11E-05	5.1E-07	3.2E-05	4.6E-09	4.3E-05	1.36E-05	6.29834E-07	3.87E-05	2.59E-09	5.29E-05	1.2E-05	4.85E-07	8.34E-05	2.68E-09
3501	471863.09	3849877.25	0.00687	0.00652	0.00672	0.00512	1.25E-05	5.5E-07	3.6E-05	5.5E-09	4.9E-05	1.53E-05	6.79887E-07	4.36E-05	3.06E-09	5.97E-05	1.35E-05	5.23E-07	9.4E-05	3.16E-09
3502	472363.09	3849877.25	0.00763	0.00715	0.0074	0.0059	1.39E-05	6.1E-07	3.9E-05	6.3E-09	5.4E-05	1.70E-05	7.45582E-07	4.81E-05	3.52E-09	6.59E-05	1.5E-05	5.74E-07	0.000104	3.64E-09
3503	472863.09	3849877.25	0.00831	0.00784	0.00805	0.00661	1.51E-05	6.7E-07	4.3E-05	7.1E-09	5.9E-05	1.86E-05	8.17533E-07	5.23E-05	3.95E-09	7.17E-05	1.64E-05	6.29E-07	0.000113	4.08E-09
3504	473363.09	3849877.25	0.00887	0.00847	0.00871	0.00722	1.62E-05	7.2E-07	4.6E-05	7.7E-09	6.3E-05	1.98E-05	8.83228E-07	5.66E-05	4.31E-09	7.73E-05	1.75E-05	6.79E-07	0.000122	4.45E-09
3505	473863.09	3849877.25	0.00956	0.00906	0.00955	0.0079	1.74E-05	7.7E-07	5.1E-05	8.4E-09	6.9E-05	2.14E-05	9.44751E-07	6.2E-05	4.72E-09	8.43E-05	1.88E-05	7.27E-07	0.000134	4.87E-09
3506	474363.09	3849877.25	0.01025	0.00968	0.01027	0.00845	1.87E-05	8.2E-07	5.5E-05	9E-09	7.4E-05	2.29E-05	1.0094E-06	6.67E-05	5.04E-09	9.06E-05	2.02E-05	7.77E-07	0.000144	5.21E-09
3507	474863.09	3849877.25	0.01085	0.01029	0.01075	0.00869	1.98E-05	8.8E-07	5.7E-05	9.3E-09	7.8E-05	2.42E-05	1.07301E-06	6.98E-05	5.19E-09	9.51E-05	2.14E-05	8.25E-07	0.00015	5.36E-09
3508	475363.09	3849877.25	0.01128	0.01072	0.01104	0.00869	2.06E-05	9.1E-07	5.9E-05	9.3E-09	8E-05	2.52E-05	1.11785E-06	7.17E-05	5.19E-09	9.80E-05	2.22E-05	8.6E-07	0.000154	5.36E-09
3509	475863.09	3849877.25	0.01167	0.0109	0.01136	0.00879	2.13E-05	9.3E-07	6E-05	9.4E-09	8.3E-05	2.61E-05	1.13662E-06	7.38E-05	5.25E-09	1.01E-04	2.3E-05	8.74E-07	0.000159	5.42E-09
3510	476363.09	3849877.25	0.01198	0.01098	0.01164	0.0088	2.18E-05	9.3E-07	6.2E-05	9.4E-09	8.5E-05	2.68E-05	1.14496E-06	7.56E-05	5.25E-09	1.04E-04	2.36E-05	8.81E-07	0.000163	5.43E-09
3511	476863.09	3849877.25	0.01231	0.01098	0.01201	0.00889	2.24E-05	9.3E-07	6.4E-05	9.5E-09	8.7E-05	2.75E-05	1.14496E-06	7.8E-05	5.31E-09	1.07E-04	2.42E-05	8.81E-07	0.000168	5.48E-09
3512	477363.09	3849877.25	0.01242	0.01086	0.01218	0.00882	2.26E-05	9.2E-07	6.5E-05	9.4E-09	8.8E-05	2.77E-05	1.13245E-06	7.91E-05	5.26E-09	1.08E-04	2.45E-05	8.71E-07	0.00017	5.44E-09
3513	477863.09	3849877.25	0.01186	0.01042	0.01162	0.00814	2.16E-05	8.9E-07	6.2E-05	8.7E-09	8.4E-05	2.65E-05	1.08657E-06	7.55E-05	4.86E-09	1.03E-04	2.34E-05	8.36E-07	0.000163	5.02E-09
3514	478363.09	3849877.25	0.01182	0.01048	0.01105	0.00744	2.15E-05	8.9E-07	5.9E-05	7.9E-09	8.1E-05	2.64E-05	1.09282E-06	7.18E-05	4.44E-09	9.93E-05	2.33E-05	8.41E-07	0.000155	4.59E-09
3515	478863.09	3849877.25	0.01428	0.01331	0.01306	0.00864	2.60E-05	1.1E-06	6.9E-05	9.2E-09	9.7E-05	3.19E-05	1.38793E-06	8.48E-05	5.16E-09	1.18E-04	2.81E-05	1.07E-06	0.000183	5.33E-09
3516	479363.09	3849877.25	0.01643	0.01646	0.01625	0.01047	2.99E-05	1.4E-06	8.6E-05	1.1E-08	0.00012	3.67E-05	1.7164E-06	0.000106	6.25E-09	1.44E-04	3.24E-05	1.32E-06	0.000227	6.46E-09
3517	479863.09	3849877.25	0.01707	0.01673	0.0175	0.0116	3.11E-05	1.4E-06	9.3E-05	1.2E-08	0.00013	3.81E-05	1.74456E-06	0.000114	6.92E-09	1.54E-04	3.36E-05	1.34E-06	0.000245	7.15E-09
3518	480363.09	3849877.25	0.01407	0.01332	0.01447	0.00867	2.56E-05	1.1E-06	7.7E-05	9.2E-09	0.0001	3.14E-05	1.38897E-06	9.4E-05	5.17E-09	1.27E-04	2.77E-05	1.07E-06	0.000202	5.35E-09
3519	480863.09	3849877.25	0.01109	0.01092	0.01122	0.00614	2.02E-05	9.3E-07	6E-05	6.5E-09	8.1E-05	2.48E-05	1.13871E-06	7.29E-05	3.66E-09	9.88E-05	2.18E-05	8.76E-07	0.000157	3.79E-09
3520	481363.09	3849877.25	0.00942	0.00893	0.00976	0.00501	1.72E-05	7.6E-07	5.2E-05	5.3E-09	7E-05	2.10E-05	9.31195E-07	6.34E-05	2.99E-09	8.54E-05	1.86E-05	7.16E-07	0.000137	3.09E-09
3521	481863.09	3849877.25	0.00585	0.00585	0.00604	0.00351	1.07E-05	5E-07	3.2E-05	3.7E-09	4.3E-05	1.31E-05	6.10021E-07	3.92E-05	2.09E-09	5.29E-05	1.15E-05	4.69E-07	8.45E-05	2.16E-09
3522	482363.09	3849877.25	0.00456	0.00411	0.00468	0.003	8.31E-06	3.5E-07	2.5E-05	3.2E-09	3.4E-05	1.02E-05	4.28579E-07	3.04E-05	1.79E-09	4.10E-05	8.98E-06	3.3E-07	6.55E-05	1.85E-09
3523	482863.09	3849877.25	0.0039	0.00381	0.00398	0.00274	7.11E-06	3.2E-07	2.1E-05	2.9E-09	2.9E-05	8.71E-06	3.97296E-07	2.59E-05	1.64E-09	3.50E-05	7.68E-06	3.06E-07	5.57E-05	1.69E-09
3524	483363.09	3849877.25	0.0034	0.0034	0.00341	0.00256	6.20E-06	2.9E-07	1.8E-05	2.7E-09	2.5E-05	7.59E-06	3.54542E-07	2.21E-05	1.53E-09	3.01E-05	6.7E-06	2.73E-07	4.77E-05	1.58E-09
3525	483863.09	3849877.25	0.00336	0.00315	0.00348	0.00253	6.12E-06	2.7E-07	1.8E-05	2.7E-09	2.5E-05	7.51E-06	3.28473E-07	2.26E-05	1.51E-09	3.04E-05	6.62E-06	2.53E-07	4.87E-05	1.56E-09
3526	484363.09	3849877.25	0.00459	0.00415	0.0048	0.00307	8.37E-06	3.5E-07	2.6E-05	3.3E-09	3.4E-05	1.03E-05	4.3275E-07	3.12E-05	1.83E-09	4.19E-05	9.04E-06	3.33E-07	6.71E-05	1.89E-09
3527	484863.09	3849877.25	0.00627	0.00565	0.0066	0.00364	1.14E-05	4.8E-07	3.5E-05	3.9E-09	4.7E-05	1.40E-05	5.89166E-07	4.29E-05	2.17E-09	5.75E-05	1.23E-05	4.53E-07	9.23E-05	2.24E-09
3528	485363.09	3849877.25	0.00555	0.00463	0.00576	0.00339	1.01E-05	3.9E-07	3.1E-05	3.6E-09	4.1E-05	1.24E-05	4.82803E-07	3.74E-05	2.02E-09	5.03E-05	1.09E-05	3.71E-07	8.06E-05	2.09E-09
3529	485863.09	3849877.25	0.00454	0.00454	0.00453	0.0029	8.28E-06	3.9E-07	2.4E-05	3.1E-09	3.3E-05	1.01E-05	4.73418E-07	2.94E-05	1.73E-09	4.00E-05	8.94E-06	3.64E-07	6.34E-05	1.79E-09
3530	486363.09	3849877.25	0.00408	0.00389	0.00404	0.0027	7.44E-06	3.3E-07	2.1E-05	2.9E-09	2.9E-05	9.11E-06	4.05638E-07	2.62E-05	1.61E-09	3.58E-05	8.04E-06	3.12E-07	5.65E-05	1.66E-09
3531	486863.09	3849877.25	0.00446	0.0039	0.00435	0.0028	8.13E-06	3.3E-07	2.3E-05	3E-09	3.2E-05	9.96E-06	4.06681E-07	2.83E-05	1.67E-09	3.86E-05	8.78E-06	3.13E-07	6.09E-05	1.73E-09
3532	487363.09	3849877.25	0.00437	0.00413	0.00417	0.00265	7.97E-06	3.5E-07	2.2E-05	2.8E-09	3E-05	9.76E-06	4.30665E-07	2.71E-05	1.58E-09	3.73E-05	8.61E-06	3.31E-07	5.83E-05	1.63E-09
3533	487863.09	3849877.25	0.00426	0.00405	0.00394	0.0026	7.77E-06	3.4E-07	2.1E-05	2.8E-09	2.9E-05	9.52E-06	4.22323E-07	2.56E-05	1.55E-09	3.55E-05	8.39E-06	3.25E-07	5.51E-05	1.6E-09
3534	488363.09	3849877.25	0.00436	0.00436	0.00395	0.00252	7.95E-06	3.7E-07	2.1E-05	2.7E-09	2.9E-05	9.74E-06	4.54648E-07	2.57E-05	1.5E-09	3.59E-05	8.59E-06	3.5E-07	5.53E-05	1.55E-09

3535	488863.09	3849877.25	0.00453	0.00461	0.00413	0.00253	8.26E-06	3.9E-07	2.2E-05	2.7E-09	3.1E-05	1.01E-05	4.80718E-07	2.68E-05	1.51E-09	3.74E-05	8.92E-06	3.7E-07	5.78E-05	1.56E-09
3536	489363.09	3849877.25	0.00459	0.00471	0.00413	0.00261	8.37E-06	4E-07	2.2E-05	2.8E-09	3.1E-05	1.03E-05	4.91145E-07	2.68E-05	1.56E-09	3.76E-05	9.04E-06	3.78E-07	5.78E-05	1.61E-09
3537	489863.09	3849877.25	0.00456	0.00458	0.00403	0.00269	8.31E-06	3.9E-07	2.1E-05	2.9E-09	3E-05	1.02E-05	4.77589E-07	2.62E-05	1.61E-09	3.68E-05	8.98E-06	3.67E-07	5.64E-05	1.66E-09
3538	490363.09	3849877.25	0.00446	0.00425	0.00391	0.00268	8.13E-06	3.6E-07	2.1E-05	2.9E-09	2.9E-05	9.96E-06	4.43178E-07	2.54E-05	1.6E-09	3.58E-05	8.78E-06	3.41E-07	5.47E-05	1.65E-09
3539	490863.09	3849877.25	0.00453	0.00432	0.00392	0.00273	8.26E-06	3.7E-07	2.1E-05	2.9E-09	2.9E-05	1.01E-05	4.50477E-07	2.55E-05	1.63E-09	3.60E-05	8.92E-06	3.47E-07	5.48E-05	1.68E-09
3540	491363.09	3849877.25	0.00463	0.00455	0.00394	0.00279	8.44E-06	3.9E-07	2.1E-05	3E-09	3E-05	1.03E-05	4.74461E-07	2.56E-05	1.67E-09	3.64E-05	9.12E-06	3.65E-07	5.51E-05	1.72E-09
3541	491863.09	3849877.25	0.00455	0.00465	0.00386	0.0028	8.29E-06	4E-07	2.1E-05	3E-09	2.9E-05	1.02E-05	4.84889E-07	2.51E-05	1.67E-09	3.57E-05	8.96E-06	3.73E-07	5.4E-05	1.73E-09
3542	492363.09	3849877.25	0.00455	0.00482	0.00388	0.00285	8.29E-06	4.1E-07	2.1E-05	3E-09	2.9E-05	1.02E-05	5.02616E-07	2.52E-05	1.7E-09	3.59E-05	8.96E-06	3.87E-07	5.43E-05	1.76E-09
3543	492863.09	3849877.25	0.0044	0.00485	0.00379	0.00286	8.02E-06	4.1E-07	2E-05	3.1E-09	2.9E-05	9.83E-06	5.05744E-07	2.46E-05	1.71E-09	3.50E-05	8.67E-06	3.89E-07	5.3E-05	1.76E-09
3544	493363.09	3849877.25	0.00426	0.00481	0.0037	0.0029	7.77E-06	4.1E-07	2E-05	3.1E-09	2.8E-05	9.52E-06	5.01573E-07	2.4E-05	1.73E-09	3.41E-05	8.39E-06	3.86E-07	5.18E-05	1.79E-09
3545	493863.09	3849877.25	0.00429	0.00476	0.00378	0.00301	7.82E-06	4.1E-07	2E-05	3.2E-09	2.8E-05	9.58E-06	4.96359E-07	2.46E-05	1.8E-09	3.46E-05	8.45E-06	3.82E-07	5.29E-05	1.86E-09
3546	494363.09	3849877.25	0.00533	0.00577	0.00476	0.0036	9.72E-06	4.9E-07	2.5E-05	3.8E-09	3.6E-05	1.19E-05	6.01679E-07	3.09E-05	2.15E-09	4.34E-05	1.05E-05	4.63E-07	6.66E-05	2.22E-09
3547	494863.09	3849877.25	0.00622	0.00669	0.00563	0.00415	1.13E-05	5.7E-07	3E-05	4.4E-09	4.2E-05	1.39E-05	6.97614E-07	3.66E-05	2.48E-09	5.12E-05	1.23E-05	5.37E-07	7.88E-05	2.56E-09
3548	495363.09	3849877.25	0.00572	0.00617	0.00525	0.004	1.04E-05	5.3E-07	2.8E-05	4.3E-09	3.9E-05	1.28E-05	6.4339E-07	3.41E-05	2.39E-09	4.75E-05	1.13E-05	4.95E-07	7.34E-05	2.47E-09
3549	495863.09	3849877.25	0.00675	0.0072	0.00629	0.00466	1.23E-05	6.1E-07	3.3E-05	5E-09	4.6E-05	1.51E-05	7.50796E-07	4.09E-05	2.78E-09	5.67E-05	1.33E-05	5.78E-07	8.8E-05	2.87E-09
3550	496363.09	3849877.25	0.00731	0.00764	0.00692	0.00509	1.33E-05	6.5E-07	3.7E-05	5.4E-09	5.1E-05	1.63E-05	7.96678E-07	4.49E-05	3.04E-09	6.21E-05	1.44E-05	6.13E-07	9.68E-05	3.14E-09
3551	496863.09	3849877.25	0.00777	0.00805	0.00746	0.00548	1.42E-05	6.9E-07	4E-05	5.8E-09	5.4E-05	1.74E-05	8.39431E-07	4.85E-05	3.27E-09	6.67E-05	1.53E-05	6.46E-07	0.000104	3.38E-09
3552	497363.09	3849877.25	0.00945	0.00975	0.00922	0.00649	1.72E-05	8.3E-07	4.9E-05	6.9E-09	6.7E-05	2.11E-05	1.0167E-06	5.99E-05	3.87E-09	8.20E-05	1.86E-05	7.82E-07	0.000129	4E-09
3553	497863.09	3849877.25	0.01025	0.01051	0.01012	0.00708	1.87E-05	8.9E-07	5.4E-05	7.6E-09	7.3E-05	2.29E-05	1.09595E-06	6.57E-05	4.23E-09	8.97E-05	2.02E-05	8.43E-07	0.000142	4.37E-09
3554	498363.09	3849877.25	0.01007	0.01027	0.01	0.00719	1.84E-05	8.7E-07	5.3E-05	7.7E-09	7.2E-05	2.25E-05	1.07093E-06	6.5E-05	4.29E-09	8.85E-05	1.98E-05	8.24E-07	0.00014	4.43E-09
3555	471363.09	3850377.25	0.00535	0.00559	0.00528	0.0036	9.75E-06	4.8E-07	2.8E-05	3.8E-09	3.8E-05	1.20E-05	5.82909E-07	3.43E-05	2.15E-09	4.68E-05	1.05E-05	4.48E-07	7.39E-05	2.22E-09
3556	471863.09	3850377.25	0.00667	0.0069	0.0064	0.00453	1.22E-05	5.9E-07	3.4E-05	4.8E-09	4.7E-05	1.49E-05	7.19512E-07	4.16E-05	2.7E-09	5.72E-05	1.31E-05	5.54E-07	8.95E-05	2.79E-09
3557	472363.09	3850377.25	0.00721	0.0072	0.00695	0.00505	1.31E-05	6.1E-07	3.7E-05	5.4E-09	5.1E-05	1.61E-05	7.50796E-07	4.51E-05	3.01E-09	6.20E-05	1.42E-05	5.78E-07	9.72E-05	3.11E-09
3558	472863.09	3850377.25	0.00817	0.00773	0.00785	0.00607	1.49E-05	6.6E-07	4.2E-05	6.5E-09	5.7E-05	1.82E-05	8.06063E-07	5.1E-05	3.62E-09	7.00E-05	1.61E-05	6.2E-07	0.00011	3.74E-09
3559	473363.09	3850377.25	0.00868	0.00814	0.00835	0.00657	1.58E-05	6.9E-07	4.4E-05	7E-09	6.1E-05	1.94E-05	8.48816E-07	5.42E-05	3.92E-09	7.45E-05	1.71E-05	6.53E-07	0.000117	4.05E-09
3560	473863.09	3850377.25	0.00945	0.00893	0.00912	0.00741	1.72E-05	7.6E-07	4.8E-05	7.9E-09	6.6E-05	2.11E-05	9.31195E-07	5.92E-05	4.42E-09	8.13E-05	1.86E-05	7.16E-07	0.000128	4.57E-09
3561	474363.09	3850377.25	0.01028	0.0097	0.01007	0.00827	1.87E-05	8.3E-07	5.4E-05	8.8E-09	7.3E-05	2.30E-05	1.01149E-06	6.54E-05	4.94E-09	8.94E-05	2.02E-05	7.78E-07	0.000141	5.1E-09
3562	474863.09	3850377.25	0.01111	0.01042	0.01104	0.00904	2.03E-05	8.9E-07	5.9E-05	9.6E-09	8E-05	2.48E-05	1.08657E-06	7.17E-05	5.4E-09	9.76E-05	2.19E-05	8.36E-07	0.000154	5.57E-09
3563	475363.09	3850377.25	0.01195	0.01118	0.01188	0.00971	2.18E-05	9.5E-07	6.3E-05	1E-08	8.6E-05	2.67E-05	1.16582E-06	7.72E-05	5.8E-09	1.05E-04	2.35E-05	8.97E-07	0.000166	5.99E-09
3564	475863.09	3850377.25	0.01266	0.01186	0.01245	0.00996	2.31E-05	1E-06	6.6E-05	1.1E-08	9E-05	2.83E-05	1.23673E-06	8.09E-05	5.94E-09	1.10E-04	2.49E-05	9.51E-07	0.000174	6.14E-09
3565	476363.09	3850377.25	0.01322	0.01236	0.01286	0.00998	2.41E-05	1.1E-06	6.8E-05	1.1E-08	9.3E-05	2.95E-05	1.28887E-06	8.35E-05	5.96E-09	1.14E-04	2.6E-05	9.91E-07	0.00018	6.15E-09
3566	476863.09	3850377.25	0.01371	0.01262	0.01324	0.01006	2.50E-05	1.1E-06	7E-05	1.1E-08	9.6E-05	3.06E-05	1.31598E-06	8.6E-05	6E-09	1.18E-04	2.7E-05	1.01E-06	0.000185	6.2E-09
3567	477363.09	3850377.25	0.01414	0.0127	0.01367	0.01017	2.58E-05	1.1E-06	7.3E-05	1.1E-08	9.9E-05	3.16E-05	1.32432E-06	8.88E-05	6.07E-09	1.22E-04	2.78E-05	1.02E-06	0.000191	6.27E-09
3568	477863.09	3850377.25	0.01433	0.01262	0.01393	0.01008	2.61E-05	1.1E-06	7.4E-05	1.1E-08	0.0001	3.20E-05	1.31598E-06	9.05E-05	6.02E-09	1.24E-04	2.82E-05	1.01E-06	0.000195	6.22E-09
3569	478363.09	3850377.25	0.01385	0.01229	0.0135	0.00943	2.52E-05	1E-06	7.2E-05	1E-08	9.8E-05	3.09E-05	1.28157E-06	8.77E-05	5.63E-09	1.20E-04	2.73E-05	9.86E-07	0.000189	5.81E-09
3570	478863.09	3850377.25	0.01461	0.01265	0.01366	0.00898	2.66E-05	1.1E-06	7.3E-05	9.6E-09	0.0001	3.26E-05	1.31911E-06	8.87E-05	5.36E-09	1.23E-04	2.88E-05	1.01E-06	0.000191	5.54E-09
3571	479363.09	3850377.25	0.0171	0.01533	0.01555	0.01026	3.12E-05	1.3E-06	8.3E-05	1.1E-08	0.00012	3.82E-05	1.59857E-06	0.000101	6.12E-09	1.41E-04	3.37E-05	1.23E-06	0.000218	6.33E-09
3572	479863.09	3850377.25	0.01946	0.01923	0.01893	0.013	3.55E-05	1.6E-06	0.0001	1.4E-08	0.00014	4.35E-05	2.00525E-06	0.000123	7.76E-09	1.68E-04	3.83E-05	1.54E-06	0.000265	8.02E-09
3573	480363.09	3850377.25	0.01971	0.01899	0.0201	0.01328	3.59E-05	1.6E-06	0.00011	1.4E-08	0.00014	4.40E-05	1.98022E-06	0.000131	7.93E-09	1.77E-04	3.88E-05	1.52E-06	0.000281	8.19E-09
3574	480863.09	3850377.25	0.01799	0.01704	0.01781	0.01162	3.28E-05	1.5E-06	9.5E-05	1.2E-08	0.00013	4.02E-05	1.77688E-06	0.000116	6.94E-09	1.58E-04	3.54E-05	1.37E-06	0.000249	7.16E-09
3575	481363.09	3850377.25	0.01192	0.0116	0.01213	0.00641	2.17E-05	9.9E-07	6.4E-05	6.8E-09	8.7E-05	2.66E-05	1.20962E-06	7.88E-05	3.83E-09	1.07E-04	2.35E-05	9.31E-07	0.00017	3.95E-09
3576	481863.09	3850377.25	0.0109	0.01061	0.01123	0.00552	1.99E-05	9E-07	6E-05	5.9E-09	8E-05	2.43E-05	1.10638E-06	7.29E-05	3.29E-09	9.84E-05	2.15E-05	8.51E-07	0.000157	3.4E-09
3577	482363.09	3850377.25	0.00949	0.00843	0.00993	0.00509	1.73E-05	7.2E-07	5.3E-05	5.4E-09	7.1E-05	2.12E-05	8.79057E-07	6.45E-05	3.04E-09	8.66E-05	1.87E-05	6.76E-07	0.000139	3.14E-09
3578	482863.09	3850377.25	0.00611	0.00582	0.00628	0.00365	1.11E-05	5E-07	3.3E-05	3.9E-09	4.5E-05	1.36E-05	6.06893E-07	4.08E-05	2.18E-09	5.50E-05	1.2E-05	4.67E-07	8.79E-05	2.25E-09
3579	483363.09	3850377.25	0.00478	0.00465	0.00487	0.00322	8.71E-06	4E-07	2.6E-05	3.4E-09	3.5E-05	1.07E-05	4.84889E-07	3.16E-05	1.92E-09	4.28E-05	9.41E-06	3.73E-07	6.81E-05	1.99E-09
3580	483863.09	3850377.25	0.0052	0.00502	0.0054	0.00341	9.48E-06	4.3E-07	2.9E-05	3.6E-09	3.9E-05	1.16E-05	5.23471E-07	3.51E-05	2.04E-09	4.72E-05	1.02E-05	4.03E-07	7.55E-05	2.1E-09
3581	484363.09	3850377.25	0.00633	0.00558	0.00665	0.00378	1.15E-05	4.7E-07	3.5E-05	4E-09	4.7E-05	1.41E-05	5.81867E-07	4.32E-05	2.26E-09	5.79E-05	1.25E-05	4.48E-07	9.3E-05	2.33E-09
3582	484863.09	3850377.25	0.00763	0.00656	0.00805	0.00425	1.39E-05	5.6E-07	4.3E-05	4.5E-09	5.7E-05	1.70E-05	6.84058E-07	5.23E-05	2.54E-09	7.00E-05	1.5E-05	5.26E-07	0.000113	2.62E-09
3583	485363.09	3850377.25	0.00734	0.00633	0.0075	0.00412	1.34E-05	5.4E-07	4E-05	4.4E-09	5.4E-05	1.64E-05	6.60075E-07	4.87E-05	2.46E-09	6.58E-05	1.45E-05	5.08E-07	0.000105	2.54E-09
3584	485863.09	3850377.25	0.00639	0.00606	0.00641	0.00359	1.16E-05	5.2E-07	3.4E-05	3.8E-09	4.6E-05	1.43E-05	6.3192E-07	4.16E-05	2.14E-09	5.65E-05	1.26E-05	4.86E-07	8.97E-05	2.21E-09
3585	486363.09	3850377.25	0.0061	0.00567	0.00598	0.00349	1.11E-05	4.8E-07	3.2E-05	3.7E-09	4.3E-05	1.36E-05	5.91252E-07	3.88E-05	2.08E-09	5.31E-05	1.2E-05	4.55E-07	8.37E-05	2.15E-09
3586	486863.09	3850377.25	0.00592	0.00529	0.00572	0.00338	1.08E-05	4.5E-07	3E-05	3.6E-09	4.2E-05	1.32E-05	5.51626E-07	3.72E-05	2.02E-09	5.09E-05	1.17E-05	4.24E-07	8E-05	2.08E-09
3587	487363.09	3850377.25	0.00552	0.00526	0.00508	0.00309	1.01E-05	4.5E-07	2.7E-05	3.3E-09	3.8E-05	1.23E-05	5.48498E-07	3.3E-05	1.84E-09	4.59E-05	1.09E-05	4.22E-07	7.11E-05	1.91E-09
3588	487863.09	3850377.25	0.00563	0.00562	0.00505	0.00305	1.03E-05	4.8E-07	2.7E-05	3.3E-09	3.8E-05	1.26E-05	5.86038E-07	3.28E-05	1.82E-09	4.60E-05	1.11E-05	4.51E-07	7.06E-05	1.88E-09
3589	488363.09	3850377.25	0.00573	0.00569	0.00512	0.00297	1.04E-05	4.8E-07	2.7E-05	3.2E-09	3.8E-05	1.28E-05	5.93337E-07	3.33E-05	1.77E-09	4.67E-05	1.13E-05	4.56E-07	7.16E-05	1.83E-09
3590	488863.09	3850377.25	0.00585	0.00571	0.0052	0.00304	1.07E-05	4.9E-07	2.8E-05	3.2E-09	3.9E-05	1.31E-05	5.95423E-07	3.38E-05	1.81E-09	4.74E-05	1.15E-05	4.58E-07	7.27E-05	1.87E-09
3591	489363.09	3850377.25	0.00591	0.00591	0.00514	0.00314	1.08E-05	5E-07	2.7E-05	3.3E-09	3.9E-05	1.32E-05	6.16278E-07	3.34E-05	1.87E-09	4.72E-05	1.16E-05	4.74E-07	7.19E-05	1.94E-09
3592	489863.09	3850377.25	0.00582	0.00557	0.005	0.00319	1.06E-05	4.7E-07	2.7E-05	3.4E-09	3.8E-05	1.30E-05	5.80824E-07	3.25E-05	1.9E-09	4.61E-05	1.15E-05	4.47E-07	6.99E-05	1.97E-09
3593	490363.09	3850377.25	0.00585	0.00544	0.00493	0.00323	1.07E-05	4.6E-07	2.6E-05	3.4E-09	3.7E-05	1.31E-05	5.67268E-07	3.2E-05	1.93E-09	4.57E-05	1.15E-05	4.36E-07	6.9E-05	1.99E-09
3594	490863.09	3850377.25	0.00602	0.00604	0.00499	0.00329	1.10E-05	5.1E-07	2.7E-05	3.5E-09	3.8E-05	1.34E-05	6.29834E-07	3.24E-05	1.96E-09	4.65E-05	1.19E-05	4.85E-07	6.98E-05	2.03E-09
3595	491363.09	3850377.25	0.00617	0.00633	0.00511	0.00336	1.12E-05	5.4E-07	2.7E-05	3.6E-09	3.9E-05	1.38E-05	6.60075E-07	3.32E-05	2.01E-09	4.76E-05	1.22E-05	5.08E-07	7.15E-05	2.07E-09

3596	491863.09	3850377.25	0.00606	0.00647	0.00507	0.00344	1.10E-05	5.5E-07	2.7E-05	3.7E-09	3.9E-05	1.35E-05	6.74673E-07	3.29E-05	2.05E-09	4.71E-05	1.19E-05	5.19E-07	7.09E-05	2.12E-09
3597	492363.09	3850377.25	0.00585	0.00643	0.00496	0.0035	1.07E-05	5.5E-07	2.6E-05	3.7E-09	3.8E-05	1.31E-05	6.70502E-07	3.22E-05	2.09E-09	4.60E-05	1.15E-05	5.16E-07	6.94E-05	2.16E-09
3598	492863.09	3850377.25	0.00585	0.00657	0.00503	0.00365	1.07E-05	5.6E-07	2.7E-05	3.9E-09	3.8E-05	1.31E-05	6.85101E-07	3.27E-05	2.18E-09	4.64E-05	1.15E-05	5.27E-07	7.04E-05	2.25E-09
3599	493363.09	3850377.25	0.00571	0.00629	0.00499	0.00372	1.04E-05	5.4E-07	2.7E-05	4E-09	3.7E-05	1.28E-05	6.55903E-07	3.24E-05	2.22E-09	4.58E-05	1.12E-05	5.05E-07	6.98E-05	2.29E-09
3600	493863.09	3850377.25	0.00641	0.00699	0.00569	0.00419	1.17E-05	5.9E-07	3E-05	4.5E-09	4.3E-05	1.43E-05	7.28897E-07	3.7E-05	2.5E-09	5.20E-05	1.26E-05	5.61E-07	7.96E-05	2.58E-09
3601	494363.09	3850377.25	0.00705	0.00767	0.00635	0.00464	1.29E-05	6.5E-07	3.4E-05	4.9E-09	4.7E-05	1.57E-05	7.99806E-07	4.12E-05	2.77E-09	5.78E-05	1.39E-05	6.15E-07	8.88E-05	2.86E-09
3602	494863.09	3850377.25	0.00808	0.0087	0.00742	0.00526	1.47E-05	7.4E-07	3.9E-05	5.6E-09	5.5E-05	1.80E-05	9.07211E-07	4.82E-05	3.14E-09	6.72E-05	1.59E-05	6.98E-07	0.000104	3.24E-09
3603	495363.09	3850377.25	0.00936	0.00991	0.00875	0.00603	1.71E-05	8.4E-07	4.6E-05	6.4E-09	6.4E-05	2.09E-05	1.03339E-06	5.68E-05	3.6E-09	7.88E-05	1.84E-05	7.95E-07	0.000122	3.72E-09
3604	495863.09	3850377.25	0.00913	0.0095	0.00867	0.00616	1.66E-05	8.1E-07	4.6E-05	6.6E-09	6.4E-05	2.04E-05	9.90633E-07	5.63E-05	3.68E-09	7.77E-05	1.8E-05	7.62E-07	0.000121	3.8E-09
3605	496363.09	3850377.25	0.01043	0.01069	0.01009	0.00699	1.90E-05	9.1E-07	5.4E-05	7.5E-09	7.4E-05	2.33E-05	1.11472E-06	6.55E-05	4.17E-09	9.00E-05	2.05E-05	8.58E-07	0.000141	4.31E-09
3606	496863.09	3850377.25	0.01168	0.01189	0.01146	0.00783	2.13E-05	1E-06	6.1E-05	8.4E-09	8.3E-05	2.61E-05	1.23986E-06	7.44E-05	4.67E-09	1.02E-04	2.3E-05	9.54E-07	0.00016	4.83E-09
3607	497363.09	3850377.25	0.01232	0.01248	0.01218	0.0084	2.25E-05	1.1E-06	6.5E-05	9E-09	8.8E-05	2.75E-05	1.30138E-06	7.91E-05	5.01E-09	1.08E-04	2.43E-05	1E-06	0.00017	5.18E-09
3608	497863.09	3850377.25	0.01237	0.01265	0.01227	0.00867	2.25E-05	1.1E-06	6.5E-05	9.2E-09	8.9E-05	2.76E-05	1.31911E-06	7.97E-05	5.17E-09	1.09E-04	2.44E-05	1.01E-06	0.000172	5.35E-09
3609	498363.09	3850377.25	0.01239	0.01282	0.01231	0.00889	2.26E-05	1.1E-06	6.5E-05	9.5E-09	8.9E-05	2.77E-05	1.33683E-06	8E-05	5.31E-09	1.09E-04	2.44E-05	1.03E-06	0.000172	5.48E-09
3610	471363.09	3850877.25	0.00664	0.00671	0.00682	0.00451	1.21E-05	5.7E-07	3.6E-05	4.8E-09	4.9E-05	1.48E-05	6.997E-07	4.43E-05	2.69E-09	5.98E-05	1.31E-05	5.38E-07	9.54E-05	2.78E-09
3611	471863.09	3850877.25	0.00731	0.00751	0.00727	0.00488	1.33E-05	6.4E-07	3.9E-05	5.2E-09	5.3E-05	1.63E-05	7.83122E-07	4.72E-05	2.91E-09	6.43E-05	1.44E-05	6.02E-07	0.000102	3.01E-09
3612	472363.09	3850877.25	0.0081	0.00841	0.00782	0.00548	1.48E-05	7.2E-07	4.2E-05	5.8E-09	5.7E-05	1.81E-05	8.76971E-07	5.08E-05	3.27E-09	6.98E-05	1.6E-05	6.75E-07	0.000109	3.38E-09
3613	472863.09	3850877.25	0.00872	0.00895	0.00827	0.00611	1.59E-05	7.6E-07	4.4E-05	6.5E-09	6.1E-05	1.95E-05	9.33281E-07	5.37E-05	3.65E-09	7.41E-05	1.72E-05	7.18E-07	0.000116	3.77E-09
3614	473363.09	3850877.25	0.00855	0.00866	0.00815	0.00585	1.56E-05	7.4E-07	4.3E-05	6.2E-09	6E-05	1.91E-05	9.0304E-07	5.29E-05	3.49E-09	7.29E-05	1.68E-05	6.95E-07	0.000114	3.61E-09
3615	473863.09	3850877.25	0.00934	0.00896	0.00887	0.00666	1.70E-05	7.6E-07	4.7E-05	7.1E-09	6.5E-05	2.09E-05	9.34323E-07	5.76E-05	3.97E-09	7.94E-05	1.84E-05	7.19E-07	0.000124	4.11E-09
3616	474363.09	3850877.25	0.01044	0.00967	0.00989	0.00778	1.90E-05	8.2E-07	5.3E-05	8.3E-09	7.2E-05	2.33E-05	1.00836E-06	6.42E-05	4.64E-09	8.86E-05	2.06E-05	7.76E-07	0.000138	4.8E-09
3617	474863.09	3850877.25	0.01125	0.01043	0.01077	0.00867	2.05E-05	8.9E-07	5.7E-05	9.2E-09	7.9E-05	2.51E-05	1.08761E-06	7E-05	5.17E-09	9.62E-05	2.22E-05	8.37E-07	0.000151	5.35E-09
3618	475363.09	3850877.25	0.01212	0.01136	0.0118	0.00959	2.21E-05	9.7E-07	6.3E-05	1E-08	8.6E-05	2.71E-05	1.18459E-06	7.66E-05	5.72E-09	1.05E-04	2.39E-05	9.11E-07	0.000165	5.91E-09
3619	475863.09	3850877.25	0.01311	0.01219	0.01293	0.01051	2.39E-05	1E-06	6.9E-05	1.1E-08	9.4E-05	2.93E-05	1.27114E-06	8.4E-05	6.27E-09	1.15E-04	2.58E-05	9.78E-07	0.000181	6.48E-09
3620	476363.09	3850877.25	0.0141	0.0131	0.01389	0.01125	2.57E-05	1.1E-06	7.4E-05	1.2E-08	0.0001	3.15E-05	1.36603E-06	9.02E-05	6.71E-09	1.23E-04	2.78E-05	1.05E-06	0.000194	6.94E-09
3621	476863.09	3850877.25	0.01501	0.01399	0.01463	0.01157	2.74E-05	1.2E-06	7.8E-05	1.2E-08	0.00011	3.35E-05	1.45884E-06	9.5E-05	6.91E-09	1.30E-04	2.96E-05	1.12E-06	0.000205	7.13E-09
3622	477363.09	3850877.25	0.01579	0.01459	0.0152	0.01169	2.88E-05	1.2E-06	8.1E-05	1.2E-08	0.00011	3.53E-05	1.5214E-06	9.87E-05	6.98E-09	1.36E-04	3.11E-05	1.17E-06	0.000213	7.21E-09
3623	477863.09	3850877.25	0.01639	0.01483	0.01566	0.0118	2.99E-05	1.3E-06	8.3E-05	1.3E-08	0.00011	3.66E-05	1.54643E-06	0.000102	7.04E-09	1.40E-04	3.23E-05	1.19E-06	0.000219	7.28E-09
3624	478363.09	3850877.25	0.01679	0.01482	0.01607	0.01178	3.06E-05	1.3E-06	8.5E-05	1.3E-08	0.00012	3.75E-05	1.54539E-06	0.000104	7.03E-09	1.43E-04	3.31E-05	1.19E-06	0.000225	7.26E-09
3625	478863.09	3850877.25	0.017	0.01457	0.01621	0.01161	3.10E-05	1.2E-06	8.6E-05	1.2E-08	0.00012	3.80E-05	1.51932E-06	0.000105	6.93E-09	1.45E-04	3.35E-05	1.17E-06	0.000227	7.16E-09
3626	479363.09	3850877.25	0.01742	0.01483	0.01614	0.01078	3.18E-05	1.3E-06	8.6E-05	1.1E-08	0.00012	3.89E-05	1.54643E-06	0.000105	6.43E-09	1.45E-04	3.43E-05	1.19E-06	0.000226	6.65E-09
3627	479863.09	3850877.25	0.01986	0.01786	0.01778	0.01149	3.62E-05	1.5E-06	9.4E-05	1.2E-08	0.00013	4.44E-05	1.86239E-06	0.000115	6.86E-09	1.62E-04	3.91E-05	1.43E-06	0.000249	7.08E-09
3628	480363.09	3850877.25	0.0234	0.022	0.02225	0.01667	4.27E-05	1.9E-06	0.00012	1.8E-08	0.00016	5.23E-05	2.2941E-06	0.000145	9.95E-09	1.99E-04	4.61E-05	1.76E-06	0.000311	1.03E-08
3629	480863.09	3850877.25	0.02435	0.02255	0.02412	0.018	4.44E-05	1.9E-06	0.00013	1.9E-08	0.00017	5.44E-05	2.35145E-06	0.000157	1.07E-08	2.13E-04	4.8E-05	1.81E-06	0.000337	1.11E-08
3630	481363.09	3850877.25	0.02203	0.02044	0.02125	0.01417	4.02E-05	1.7E-06	0.00011	1.5E-08	0.00015	4.92E-05	2.13143E-06	0.000138	8.46E-09	1.89E-04	4.34E-05	1.64E-06	0.000297	8.74E-09
3631	481863.09	3850877.25	0.01811	0.01761	0.01796	0.00985	3.30E-05	1.5E-06	9.5E-05	1.1E-08	0.00013	4.05E-05	1.83632E-06	0.000117	5.88E-09	1.59E-04	3.57E-05	1.41E-06	0.000251	6.07E-09
3632	482363.09	3850877.25	0.01409	0.0132	0.01454	0.0069	2.57E-05	1.1E-06	7.7E-05	7.4E-09	0.0001	3.15E-05	1.37646E-06	9.44E-05	4.12E-09	1.27E-04	2.77E-05	1.06E-06	0.000203	4.25E-09
3633	482863.09	3850877.25	0.01094	0.00975	0.01133	0.00569	1.99E-05	8.3E-07	6E-05	6.1E-09	8.1E-05	2.44E-05	1.0167E-06	7.36E-05	3.4E-09	9.90E-05	2.15E-05	7.82E-07	0.000158	3.51E-09
3634	483363.09	3850877.25	0.00813	0.0077	0.00841	0.00451	1.48E-05	6.6E-07	4.5E-05	4.8E-09	6E-05	1.82E-05	8.02934E-07	5.46E-05	2.69E-09	7.36E-05	1.6E-05	6.18E-07	0.000118	2.78E-09
3635	483863.09	3850877.25	0.00787	0.00795	0.00802	0.00444	1.43E-05	6.8E-07	4.3E-05	4.7E-09	5.8E-05	1.76E-05	8.29004E-07	5.21E-05	2.65E-09	7.05E-05	1.55E-05	6.38E-07	0.000112	2.74E-09
3636	484363.09	3850877.25	0.00921	0.00796	0.0096	0.00499	1.68E-05	6.8E-07	5.1E-05	5.3E-09	6.8E-05	2.06E-05	8.30046E-07	6.24E-05	2.98E-09	8.38E-05	1.81E-05	6.39E-07	0.000134	3.08E-09
3637	484863.09	3850877.25	0.00899	0.00734	0.00954	0.00479	1.64E-05	6.2E-07	5.1E-05	5.1E-09	6.8E-05	2.01E-05	7.65394E-07	6.2E-05	2.86E-09	8.28E-05	1.77E-05	5.89E-07	0.000133	2.95E-09
3638	485363.09	3850877.25	0.00936	0.00843	0.00941	0.00487	1.71E-05	7.2E-07	5E-05	5.2E-09	6.8E-05	2.09E-05	8.79057E-07	6.11E-05	2.91E-09	8.29E-05	1.84E-05	6.76E-07	0.000132	3E-09
3639	485863.09	3850877.25	0.00781	0.00695	0.00779	0.00417	1.42E-05	5.9E-07	4.1E-05	4.4E-09	5.6E-05	1.74E-05	7.24726E-07	5.06E-05	2.49E-09	6.88E-05	1.54E-05	5.58E-07	0.000109	2.57E-09
3640	486363.09	3850877.25	0.00801	0.00764	0.00766	0.0042	1.46E-05	6.5E-07	4.1E-05	4.5E-09	5.6E-05	1.79E-05	7.96678E-07	4.98E-05	2.51E-09	6.84E-05	1.58E-05	6.13E-07	0.000107	2.59E-09
3641	486863.09	3850877.25	0.0077	0.0067	0.00722	0.00397	1.40E-05	5.7E-07	3.8E-05	4.2E-09	5.3E-05	1.72E-05	6.98657E-07	4.69E-05	2.37E-09	6.48E-05	1.52E-05	5.37E-07	0.000101	2.45E-09
3642	487363.09	3850877.25	0.00733	0.00734	0.00645	0.00364	1.34E-05	6.2E-07	3.4E-05	3.9E-09	4.8E-05	1.64E-05	7.65394E-07	4.19E-05	2.17E-09	5.90E-05	1.44E-05	5.89E-07	9.02E-05	2.24E-09
3643	487863.09	3850877.25	0.00745	0.0075	0.00647	0.00358	1.36E-05	6.4E-07	3.4E-05	3.8E-09	4.9E-05	1.66E-05	7.82079E-07	4.2E-05	2.14E-09	5.95E-05	1.47E-05	6.02E-07	9.05E-05	2.21E-09
3644	488363.09	3850877.25	0.00763	0.00709	0.00665	0.00362	1.39E-05	6E-07	3.5E-05	3.9E-09	5E-05	1.70E-05	7.39325E-07	4.32E-05	2.16E-09	6.10E-05	1.5E-05	5.69E-07	9.3E-05	2.23E-09
3645	488863.09	3850877.25	0.0077	0.00743	0.00655	0.00374	1.40E-05	6.3E-07	3.5E-05	4E-09	4.9E-05	1.72E-05	7.74779E-07	4.25E-05	2.23E-09	6.05E-05	1.52E-05	5.96E-07	9.16E-05	2.31E-09
3646	489363.09	3850877.25	0.00786	0.00753	0.00656	0.00385	1.43E-05	6.4E-07	3.5E-05	4.1E-09	5E-05	1.76E-05	7.85207E-07	4.26E-05	2.3E-09	6.10E-05	1.55E-05	6.04E-07	9.18E-05	2.37E-09
3647	489863.09	3850877.25	0.00795	0.00746	0.00647	0.00393	1.45E-05	6.3E-07	3.4E-05	4.2E-09	5E-05	1.78E-05	7.77908E-07	4.2E-05	2.35E-09	6.06E-05	1.57E-05	5.98E-07	9.05E-05	2.42E-09
3648	490363.09	3850877.25	0.00826	0.00832	0.00664	0.00404	1.51E-05	7.1E-07	3.5E-05	4.3E-09	5.1E-05	1.85E-05	8.67586E-07	4.31E-05	2.41E-09	6.24E-05	1.63E-05	6.67E-07	9.29E-05	2.49E-09
3649	490863.09	3850877.25	0.00854	0.00902	0.00692	0.00415	1.56E-05	7.7E-07	3.7E-05	4.4E-09	5.3E-05	1.91E-05	9.4058E-07	4.49E-05	2.48E-09	6.50E-05	1.68E-05	7.24E-07	9.68E-05	2.56E-09
3650	491363.09	3850877.25	0.00852	0.00919	0.00705	0.00429	1.55E-05	7.8E-07	3.7E-05	4.6E-09	5.4E-05	1.90E-05	9.58307E-07	4.58E-05	2.56E-09	6.58E-05	1.68E-05	7.37E-07	9.86E-05	2.65E-09
3651	491863.09	3850877.25	0.00838	0.00911	0.00705	0.00445	1.53E-05	7.8E-07	3.7E-05	4.7E-09	5.4E-05	1.87E-05	9.49965E-07	4.58E-05	2.66E-09	6.55E-05	1.65E-05	7.31E-07	9.86E-05	2.74E-09
3652	492363.09	3850877.25	0.00829	0.00924	0.00704	0.00466	1.51E-05	7.9E-07	3.7E-05	5E-09	5.3E-05	1.85E-05	9.63521E-07	4.57E-05	2.78E-09	6.52E-05	1.63E-05	7.41E-07	9.85E-05	2.87E-09
3653	492863.09	3850877.25	0.00833	0.00923	0.00718	0.00493	1.52E-05	7.9E-07	3.8E-05	5.3E-09	5.4E-05	1.86E-05	9.62478E-07	4.66E-05	2.94E-09	6.62E-05	1.64E-05	7.4E-07	0.0001	3.04E-09
3654	493363.09	3850877.25	0.00858	0.00943	0.00757	0.00527	1.56E-05	8E-07	4E-05	5.6E-09	5.7E-05	1.92E-05	9.83334E-07	4.92E-05	3.15E-09	6.93E-05	1.69E-05	7.56E-07	0.000106	3.25E-09
3655	493863.09	3850877.25	0.00962	0.01048	0.00868	0.00592	1.75E-05	8.9E-07	4.6E-05	6.3E-09	6.5E-05	2.15E-05	1.09282E-06	5.64E-05	3.53E-09	7.90E-05	1.89E-05	8.41E-07	0.000121	3.65E-09
3656	494363.09	3850877.25	0.01022	0.01096	0.0094	0.00641	1.86E-05	9.3E-07	5E-05	6.8E-09	7E-05	2.28E-05	1.14288E-06	6.11E-05	3.83E-09	8.50E-05	2.01E-05	8.79E-07	0.000131	3.95E-09

3657	494863.09	3850877.25	0.01145	0.01201	0.01076	0.00723	2.09E-05	1E-06	5.7E-05	7.7E-09	7.9E-05	2.56E-05	1.25237E-06	6.99E-05	4.32E-09	9.67E-05	2.26E-05	9.63E-07	0.000151	4.46E-09
3658	495363.09	3850877.25	0.01281	0.01308	0.01228	0.00813	2.34E-05	1.1E-06	6.5E-05	8.7E-09	9E-05	2.86E-05	1.36395E-06	7.98E-05	4.85E-09	1.10E-04	2.52E-05	1.05E-06	0.000172	5.01E-09
3659	495863.09	3850877.25	0.01317	0.01332	0.01279	0.0086	2.40E-05	1.1E-06	6.8E-05	9.2E-09	9.3E-05	2.94E-05	1.38897E-06	8.31E-05	5.13E-09	1.14E-04	2.59E-05	1.07E-06	0.000179	5.3E-09
3660	496363.09	3850877.25	0.01396	0.01417	0.01369	0.00928	2.54E-05	1.2E-06	7.3E-05	9.9E-09	9.9E-05	3.12E-05	1.47761E-06	8.89E-05	5.54E-09	1.22E-04	2.75E-05	1.14E-06	0.000192	5.72E-09
3661	496863.09	3850877.25	0.01521	0.01554	0.01506	0.01017	2.77E-05	1.3E-06	8E-05	1.1E-08	0.00011	3.40E-05	1.62047E-06	9.78E-05	6.07E-09	1.33E-04	3E-05	1.25E-06	0.000211	6.27E-09
3662	497363.09	3850877.25	0.01536	0.01588	0.01532	0.01054	2.80E-05	1.4E-06	8.1E-05	1.1E-08	0.00011	3.43E-05	1.65592E-06	9.95E-05	6.29E-09	1.35E-04	3.03E-05	1.27E-06	0.000214	6.5E-09
3663	497863.09	3850877.25	0.01515	0.0157	0.01518	0.01071	2.76E-05	1.3E-06	8.1E-05	1.1E-08	0.00011	3.38E-05	1.63715E-06	9.86E-05	6.39E-09	1.34E-04	2.98E-05	1.26E-06	0.000212	6.6E-09
3664	498363.09	3850877.25	0.01492	0.01541	0.01494	0.01079	2.72E-05	1.3E-06	7.9E-05	1.2E-08	0.00011	3.33E-05	1.60691E-06	9.7E-05	6.44E-09	1.32E-04	2.94E-05	1.24E-06	0.000209	6.65E-09
3665	471363.09	3851377.25	0.00712	0.00684	0.00748	0.0051	1.30E-05	5.8E-07	4E-05	5.4E-09	5.3E-05	1.59E-05	7.13256E-07	4.86E-05	3.04E-09	6.52E-05	1.4E-05	5.49E-07	0.000105	3.14E-09
3666	471863.09	3851377.25	0.00849	0.00808	0.00882	0.00616	1.55E-05	6.9E-07	4.7E-05	6.6E-09	6.3E-05	1.90E-05	8.4256E-07	5.73E-05	3.68E-09	7.71E-05	1.67E-05	6.48E-07	0.000123	3.8E-09
3667	472363.09	3851377.25	0.00876	0.00853	0.00901	0.00615	1.60E-05	7.3E-07	4.8E-05	6.6E-09	6.5E-05	1.96E-05	8.89484E-07	5.85E-05	3.67E-09	7.90E-05	1.73E-05	6.84E-07	0.000126	3.79E-09
3668	472863.09	3851377.25	0.00907	0.00913	0.00911	0.00615	1.65E-05	7.8E-07	4.8E-05	6.6E-09	6.6E-05	2.03E-05	9.52051E-07	5.92E-05	3.67E-09	8.04E-05	1.79E-05	7.32E-07	0.000127	3.79E-09
3669	473363.09	3851377.25	0.00862	0.00897	0.0085	0.00555	1.57E-05	7.6E-07	4.5E-05	5.9E-09	6.2E-05	1.93E-05	9.35366E-07	5.52E-05	3.31E-09	7.54E-05	1.7E-05	7.2E-07	0.000119	3.42E-09
3670	473863.09	3851377.25	0.00907	0.00958	0.00874	0.0058	1.65E-05	8.2E-07	4.6E-05	6.2E-09	6.4E-05	2.03E-05	9.98975E-07	5.68E-05	3.46E-09	7.80E-05	1.79E-05	7.68E-07	0.000122	3.58E-09
3671	474363.09	3851377.25	0.01026	0.01056	0.0097	0.00684	1.87E-05	9E-07	5.2E-05	7.3E-09	7.1E-05	2.29E-05	1.10117E-06	6.3E-05	4.08E-09	8.70E-05	2.02E-05	8.47E-07	0.000136	4.22E-09
3672	474863.09	3851377.25	0.01124	0.01092	0.01053	0.00783	2.05E-05	9.3E-07	5.6E-05	8.4E-09	7.7E-05	2.51E-05	1.13871E-06	6.84E-05	4.67E-09	9.46E-05	2.21E-05	8.76E-07	0.000147	4.83E-09
3673	475363.09	3851377.25	0.0123	0.01148	0.01151	0.00888	2.24E-05	9.8E-07	6.1E-05	9.5E-09	8.5E-05	2.75E-05	1.1971E-06	7.48E-05	5.3E-09	1.03E-04	2.42E-05	9.21E-07	0.000161	5.48E-09
3674	475863.09	3851377.25	0.01326	0.01231	0.01257	0.00995	2.42E-05	1E-06	6.7E-05	1.1E-08	9.2E-05	2.96E-05	1.28365E-06	8.16E-05	5.94E-09	1.13E-04	2.61E-05	9.87E-07	0.000176	6.13E-09
3675	476363.09	3851377.25	0.01436	0.01342	0.01386	0.01107	2.62E-05	1.1E-06	7.4E-05	1.2E-08	0.0001	3.21E-05	1.3994E-06	9E-05	6.61E-09	1.24E-04	2.83E-05	1.08E-06	0.000194	6.83E-09
3676	476863.09	3851377.25	0.01539	0.0144	0.01511	0.01186	2.81E-05	1.2E-06	8E-05	1.3E-08	0.00011	3.44E-05	1.50159E-06	9.81E-05	7.08E-09	1.34E-04	3.03E-05	1.16E-06	0.000211	7.31E-09
3677	477363.09	3851377.25	0.01693	0.01568	0.0165	0.01321	3.09E-05	1.3E-06	8.8E-05	1.4E-08	0.00012	3.78E-05	1.63507E-06	0.000107	7.88E-09	1.47E-04	3.33E-05	1.26E-06	0.000231	8.14E-09
3678	477863.09	3851377.25	0.01815	0.01683	0.01745	0.01362	3.31E-05	1.4E-06	9.3E-05	1.5E-08	0.00013	4.05E-05	1.75498E-06	0.000113	8.13E-09	1.56E-04	3.57E-05	1.35E-06	0.000244	8.4E-09
3679	478363.09	3851377.25	0.01912	0.01754	0.01812	0.01368	3.49E-05	1.5E-06	9.6E-05	1.5E-08	0.00013	4.27E-05	1.82902E-06	0.000118	8.16E-09	1.62E-04	3.77E-05	1.41E-06	0.000253	8.43E-09
3680	478863.09	3851377.25	0.01987	0.0177	0.01867	0.0138	3.62E-05	1.5E-06	9.9E-05	1.5E-08	0.00014	4.44E-05	1.84571E-06	0.000121	8.24E-09	1.68E-04	3.91E-05	1.42E-06	0.000261	8.51E-09
3681	479363.09	3851377.25	0.02025	0.01752	0.01902	0.01367	3.69E-05	1.5E-06	0.0001	1.5E-08	0.00014	4.52E-05	1.82694E-06	0.000124	8.16E-09	1.71E-04	3.99E-05	1.41E-06	0.000266	8.43E-09
3682	479863.09	3851377.25	0.02081	0.01751	0.01892	0.01302	3.79E-05	1.5E-06	0.0001	1.4E-08	0.00014	4.65E-05	1.82589E-06	0.000123	7.77E-09	1.71E-04	4.1E-05	1.4E-06	0.000265	8.03E-09
3683	480363.09	3851377.25	0.02369	0.02077	0.02067	0.01384	4.32E-05	1.8E-06	0.00011	1.5E-08	0.00015	5.29E-05	2.16584E-06	0.000134	8.26E-09	1.89E-04	4.67E-05	1.67E-06	0.000289	8.53E-09
3684	480863.09	3851377.25	0.02788	0.02599	0.02598	0.01981	5.08E-05	2.2E-06	0.00014	2.1E-08	0.00019	6.23E-05	2.71016E-06	0.000169	1.18E-08	2.34E-04	5.49E-05	2.08E-06	0.000363	1.22E-08
3685	481363.09	3851377.25	0.02939	0.02625	0.02846	0.02204	5.36E-05	2.2E-06	0.00015	2.4E-08	0.00021	6.56E-05	2.73728E-06	0.000185	1.32E-08	2.53E-04	5.79E-05	2.11E-06	0.000398	1.36E-08
3686	481863.09	3851377.25	0.02608	0.0243	0.0251	0.01621	4.75E-05	2.1E-06	0.00013	1.7E-08	0.00018	5.83E-05	2.53394E-06	0.000163	9.67E-09	2.24E-04	5.14E-05	1.95E-06	0.000351	9.99E-09
3687	482363.09	3851377.25	0.02251	0.02156	0.02212	0.01168	4.10E-05	1.8E-06	0.00012	1.2E-08	0.00016	5.03E-05	2.24822E-06	0.000144	6.97E-09	1.96E-04	4.43E-05	1.73E-06	0.000309	7.2E-09
3688	482863.09	3851377.25	0.01754	0.01543	0.01791	0.00843	3.20E-05	1.3E-06	9.5E-05	9E-09	0.00013	3.92E-05	1.609E-06	0.000116	5.03E-09	1.57E-04	3.45E-05	1.24E-06	0.000251	5.2E-09
3689	483363.09	3851377.25	0.01242	0.01149	0.01267	0.00618	2.26E-05	9.8E-07	6.7E-05	6.6E-09	9.1E-05	2.77E-05	1.19814E-06	8.23E-05	3.69E-09	1.11E-04	2.45E-05	9.22E-07	0.000177	3.81E-09
3690	483863.09	3851377.25	0.01079	0.01066	0.01101	0.0056	1.97E-05	9.1E-07	5.8E-05	6E-09	7.9E-05	2.41E-05	1.11159E-06	7.15E-05	3.34E-09	9.67E-05	2.13E-05	8.55E-07	0.000154	3.45E-09
3691	484363.09	3851377.25	0.01356	0.01235	0.01396	0.00672	2.47E-05	1.1E-06	7.4E-05	7.2E-09	1E-04	3.03E-05	1.28782E-06	9.07E-05	4.01E-09	1.22E-04	2.67E-05	9.91E-07	0.000195	4.14E-09
3692	484863.09	3851377.25	0.00944	0.0076	0.0097	0.00511	1.72E-05	6.5E-07	5.2E-05	5.5E-09	6.9E-05	2.11E-05	7.92507E-07	6.3E-05	3.05E-09	8.49E-05	1.86E-05	6.1E-07	0.000136	3.15E-09
3693	485363.09	3851377.25	0.01257	0.01146	0.01258	0.00598	2.29E-05	9.8E-07	6.7E-05	6.4E-09	9.1E-05	2.81E-05	1.19502E-06	8.17E-05	3.57E-09	1.11E-04	2.48E-05	9.19E-07	0.000176	3.69E-09
3694	485863.09	3851377.25	0.0102	0.00862	0.00998	0.00503	1.86E-05	7.3E-07	5.3E-05	5.4E-09	7.2E-05	2.28E-05	8.98869E-07	6.48E-05	3E-09	8.85E-05	2.01E-05	6.91E-07	0.00014	3.1E-09
3695	486363.09	3851377.25	0.01105	0.01066	0.01025	0.00516	2.01E-05	9.1E-07	5.4E-05	5.5E-09	7.6E-05	2.47E-05	1.11159E-06	6.66E-05	3.08E-09	9.24E-05	2.18E-05	8.55E-07	0.000143	3.18E-09
3696	486863.09	3851377.25	0.01047	0.00956	0.00915	0.00475	1.91E-05	8.1E-07	4.9E-05	5.1E-09	6.9E-05	2.34E-05	9.9689E-07	5.94E-05	2.84E-09	8.38E-05	2.06E-05	7.67E-07	0.000128	2.93E-09
3697	487363.09	3851377.25	0.009	0.00915	0.00748	0.00406	1.64E-05	7.8E-07	4E-05	4.3E-09	5.7E-05	2.01E-05	9.54136E-07	4.86E-05	2.42E-09	6.96E-05	1.77E-05	7.34E-07	0.000105	2.5E-09
3698	487863.09	3851377.25	0.0101	0.00952	0.00847	0.00432	1.84E-05	8.1E-07	4.5E-05	4.6E-09	6.4E-05	2.26E-05	9.92719E-07	5.5E-05	2.58E-09	7.86E-05	1.99E-05	7.64E-07	0.000118	2.66E-09
3699	488363.09	3851377.25	0.01052	0.00946	0.00869	0.0045	1.92E-05	8E-07	4.6E-05	4.8E-09	6.6E-05	2.35E-05	9.86462E-07	5.64E-05	2.69E-09	8.09E-05	2.07E-05	7.59E-07	0.000122	2.77E-09
3700	488863.09	3851377.25	0.01066	0.01009	0.00857	0.00461	1.94E-05	8.6E-07	4.6E-05	4.9E-09	6.6E-05	2.38E-05	1.05216E-06	5.57E-05	2.75E-09	8.05E-05	2.1E-05	8.09E-07	0.00012	2.84E-09
3701	489363.09	3851377.25	0.01098	0.01078	0.00856	0.00479	2.00E-05	9.2E-07	4.5E-05	5.1E-09	6.6E-05	2.45E-05	1.12411E-06	5.56E-05	2.86E-09	8.13E-05	2.16E-05	8.65E-07	0.00012	2.95E-09
3702	489863.09	3851377.25	0.01131	0.01163	0.0088	0.00493	2.06E-05	9.9E-07	4.7E-05	5.3E-09	6.8E-05	2.53E-05	1.21274E-06	5.72E-05	2.94E-09	8.36E-05	2.23E-05	9.33E-07	0.000123	3.04E-09
3703	490363.09	3851377.25	0.01168	0.01275	0.00928	0.0051	2.13E-05	1.1E-06	4.9E-05	5.4E-09	7.2E-05	2.61E-05	1.32953E-06	6.03E-05	3.04E-09	8.77E-05	2.3E-05	1.02E-06	0.00013	3.14E-09
3704	490863.09	3851377.25	0.01192	0.01275	0.00971	0.00541	2.17E-05	1.1E-06	5.2E-05	5.8E-09	7.4E-05	2.66E-05	1.32953E-06	6.31E-05	3.23E-09	9.10E-05	2.35E-05	1.02E-06	0.000136	3.34E-09
3705	491363.09	3851377.25	0.0118	0.01283	0.00976	0.00571	2.15E-05	1.1E-06	5.2E-05	6.1E-09	7.4E-05	2.64E-05	1.33788E-06	6.34E-05	3.41E-09	9.11E-05	2.32E-05	1.03E-06	0.000137	3.52E-09
3706	491863.09	3851377.25	0.01178	0.01315	0.00989	0.00601	2.15E-05	1.1E-06	5.3E-05	6.4E-09	7.5E-05	2.63E-05	1.37124E-06	6.42E-05	3.59E-09	9.19E-05	2.32E-05	1.05E-06	0.000138	3.71E-09
3707	492363.09	3851377.25	0.01196	0.01344	0.01026	0.00642	2.18E-05	1.1E-06	5.5E-05	6.8E-09	7.7E-05	2.67E-05	1.40149E-06	6.66E-05	3.83E-09	9.48E-05	2.36E-05	1.08E-06	0.000144	3.96E-09
3708	492863.09	3851377.25	0.01181	0.01307	0.01043	0.00675	2.15E-05	1.1E-06	5.5E-05	7.2E-09	7.8E-05	2.64E-05	1.3629E-06	6.77E-05	4.03E-09	9.55E-05	2.33E-05	1.05E-06	0.000146	4.16E-09
3709	493363.09	3851377.25	0.01075	0.01168	0.00971	0.00667	1.96E-05	9.9E-07	5.2E-05	7.1E-09	7.2E-05	2.40E-05	1.21796E-06	6.31E-05	3.98E-09	8.83E-05	2.12E-05	9.37E-07	0.000136	4.11E-09
3710	493863.09	3851377.25	0.01192	0.01267	0.01102	0.00746	2.17E-05	1.1E-06	5.9E-05	8E-09	8.1E-05	2.66E-05	1.32119E-06	7.16E-05	4.45E-09	9.95E-05	2.35E-05	1.02E-06	0.000154	4.6E-09
3711	494363.09	3851377.25	0.01436	0.01481	0.01356	0.00886	2.62E-05	1.3E-06	7.2E-05	9.5E-09	9.9E-05	3.21E-05	1.54434E-06	8.81E-05	5.29E-09	1.22E-04	2.83E-05	1.19E-06	0.00019	5.46E-09
3712	494863.09	3851377.25	0.01505	0.01526	0.01444	0.00954	2.74E-05	1.3E-06	7.7E-05	1E-08	0.00011	3.36E-05	1.59127E-06	9.38E-05	5.69E-09	1.29E-04	2.96E-05	1.22E-06	0.000202	5.88E-09
3713	495363.09	3851377.25	0.01755	0.01781	0.01711	0.01106	3.20E-05	1.5E-06	9.1E-05	1.2E-08	0.00012	3.92E-05	1.85718E-06	0.000111	6.6E-09	1.52E-04	3.46E-05	1.43E-06	0.000239	6.82E-09
3714	495863.09	3851377.25	0.01853	0.01891	0.0183	0.01189	3.38E-05	1.6E-06	9.7E-05	1.3E-08	0.00013	4.14E-05	1.97188E-06	0.000119	7.1E-09	1.62E-04	3.65E-05	1.52E-06	0.000256	7.33E-09
3715	496363.09	3851377.25	0.019	0.01953	0.01892	0.01248	3.46E-05	1.7E-06	0.0001	1.3E-08	0.00014	4.24E-05	2.03653E-06	0.000123	7.45E-09	1.67E-04	3.74E-05	1.57E-06	0.000265	7.69E-09
3716	496863.09	3851377.25	0.01911	0.01979	0.01914	0.01292	3.48E-05	1.7E-06	0.0001	1.4E-08	0.00014	4.27E-05	2.06365E-06	0.000124	7.71E-09	1.69E-04	3.76E-05	1.59E-06	0.000268	7.97E-09
3717	497363.09	3851377.25	0.01912	0.01981	0.01917	0.01321	3.49E-05	1.7E-06	0.0001	1.4E-08	0.00014	4.27E-05	2.06573E-06	0.000125	7.88E-09	1.69E-04	3.77E-05	1.59E-06	0.000268	8.14E-09

3718	497863.09	3851377.25	0.01875	0.01933	0.01891	0.01331	3.42E-05	1.6E-06	0.0001	1.4E-08	0.00014	4.19E-05	2.01568E-06	0.000123	7.94E-09	1.67E-04	3.69E-05	1.55E-06	0.000265	8.21E-09
3719	498363.09	3851377.25	0.0177	0.01821	0.01794	0.01298	3.23E-05	1.5E-06	9.5E-05	1.4E-08	0.00013	3.95E-05	1.89889E-06	0.000117	7.75E-09	1.58E-04	3.49E-05	1.46E-06	0.000251	8E-09
3720	471363.09	3851877.25	0.00788	0.00831	0.00793	0.00551	1.44E-05	7.1E-07	4.2E-05	5.9E-09	5.7E-05	1.76E-05	8.66543E-07	5.15E-05	3.29E-09	7.00E-05	1.55E-05	6.67E-07	0.000111	3.4E-09
3721	471863.09	3851877.25	0.00778	0.00795	0.00795	0.00542	1.42E-05	6.8E-07	4.2E-05	5.8E-09	5.7E-05	1.74E-05	8.29004E-07	5.16E-05	3.23E-09	6.98E-05	1.53E-05	6.38E-07	0.000111	3.34E-09
3722	472363.09	3851877.25	0.00869	0.00849	0.00893	0.00611	1.58E-05	7.2E-07	4.7E-05	6.5E-09	6.4E-05	1.94E-05	8.85313E-07	5.8E-05	3.65E-09	7.83E-05	1.71E-05	6.81E-07	0.000125	3.77E-09
3723	472863.09	3851877.25	0.00951	0.00903	0.0098	0.00669	1.73E-05	7.7E-07	5.2E-05	7.1E-09	7E-05	2.12E-05	9.41623E-07	6.37E-05	3.99E-09	8.58E-05	1.87E-05	7.24E-07	0.000137	4.12E-09
3724	473363.09	3851877.25	0.0092	0.00866	0.00956	0.00625	1.68E-05	7.4E-07	5.1E-05	6.7E-09	6.8E-05	2.06E-05	9.0304E-07	6.21E-05	3.73E-09	8.36E-05	1.81E-05	6.95E-07	0.000134	3.85E-09
3725	473863.09	3851877.25	0.00956	0.00927	0.00984	0.0063	1.74E-05	7.9E-07	5.2E-05	6.7E-09	7.1E-05	2.14E-05	9.66649E-07	6.39E-05	3.76E-09	8.62E-05	1.88E-05	7.44E-07	0.000138	3.88E-09
3726	474363.09	3851877.25	0.01094	0.01109	0.01087	0.00715	1.99E-05	9.4E-07	5.8E-05	7.6E-09	7.9E-05	2.44E-05	1.15643E-06	7.06E-05	4.27E-09	9.62E-05	2.15E-05	8.9E-07	0.000152	4.41E-09
3727	474863.09	3851877.25	0.01214	0.01263	0.01164	0.00807	2.21E-05	1.1E-06	6.2E-05	8.6E-09	8.5E-05	2.71E-05	1.31702E-06	7.56E-05	4.82E-09	1.04E-04	2.39E-05	1.01E-06	0.000163	4.98E-09
3728	475363.09	3851877.25	0.01288	0.0133	0.01208	0.00862	2.35E-05	1.1E-06	6.4E-05	9.2E-09	8.9E-05	2.88E-05	1.38689E-06	7.85E-05	5.14E-09	1.09E-04	2.54E-05	1.07E-06	0.000169	5.31E-09
3729	475863.09	3851877.25	0.01352	0.01347	0.01252	0.00903	2.46E-05	1.1E-06	6.7E-05	9.6E-09	9.2E-05	3.02E-05	1.40461E-06	8.13E-05	5.39E-09	1.13E-04	2.66E-05	1.08E-06	0.000175	5.57E-09
3730	476363.09	3851877.25	0.01377	0.01336	0.01278	0.00914	2.51E-05	1.1E-06	6.8E-05	9.8E-09	9.4E-05	3.08E-05	1.39314E-06	8.3E-05	5.46E-09	1.15E-04	2.71E-05	1.07E-06	0.000179	5.64E-09
3731	476863.09	3851877.25	0.01511	0.0145	0.0142	0.01065	2.75E-05	1.2E-06	7.5E-05	1.1E-08	0.0001	3.38E-05	1.51202E-06	9.22E-05	6.36E-09	1.28E-04	2.98E-05	1.16E-06	0.000199	6.57E-09
3732	477363.09	3851877.25	0.01676	0.01592	0.01608	0.01222	3.06E-05	1.4E-06	8.5E-05	1.3E-08	0.00012	3.74E-05	1.66009E-06	0.000104	7.29E-09	1.44E-04	3.3E-05	1.28E-06	0.000225	7.53E-09
3733	477863.09	3851877.25	0.01853	0.01742	0.01803	0.0135	3.38E-05	1.5E-06	9.6E-05	1.4E-08	0.00013	4.14E-05	1.81651E-06	0.000117	8.06E-09	1.60E-04	3.65E-05	1.4E-06	0.000252	8.32E-09
3734	478363.09	3851877.25	0.02004	0.01925	0.01945	0.01406	3.65E-05	1.6E-06	0.0001	1.5E-08	0.00014	4.48E-05	2.00734E-06	0.000126	8.39E-09	1.73E-04	3.95E-05	1.54E-06	0.000272	8.67E-09
3735	478863.09	3851877.25	0.0221	0.02084	0.02094	0.01511	4.03E-05	1.8E-06	0.00011	1.6E-08	0.00015	4.94E-05	2.17314E-06	0.000136	9.02E-09	1.88E-04	4.35E-05	1.67E-06	0.000293	9.32E-09
3736	479363.09	3851877.25	0.02382	0.02166	0.02211	0.01617	4.34E-05	1.8E-06	0.00012	1.7E-08	0.00016	5.32E-05	2.25864E-06	0.000144	9.65E-09	1.99E-04	4.69E-05	1.74E-06	0.000309	9.97E-09
3737	479863.09	3851877.25	0.02465	0.02154	0.02263	0.01644	4.49E-05	1.8E-06	0.00012	1.8E-08	0.00017	5.51E-05	2.24613E-06	0.000147	9.81E-09	2.04E-04	4.85E-05	1.73E-06	0.000317	1.01E-08
3738	480363.09	3851877.25	0.02538	0.0214	0.0227	0.01576	4.63E-05	1.8E-06	0.00012	1.7E-08	0.00017	5.67E-05	2.23153E-06	0.000147	9.41E-09	2.06E-04	5E-05	1.72E-06	0.000318	9.72E-09
3739	480863.09	3851877.25	0.02873	0.02483	0.02426	0.01623	5.24E-05	2.1E-06	0.00013	1.7E-08	0.00018	6.42E-05	2.5892E-06	0.000158	9.69E-09	2.24E-04	5.66E-05	1.99E-06	0.000339	1E-08
3740	481363.09	3851877.25	0.03379	0.03127	0.03074	0.02358	6.16E-05	2.7E-06	0.00016	2.5E-08	0.00023	7.55E-05	3.26075E-06	0.0002	1.41E-08	2.78E-04	6.65E-05	2.51E-06	0.00043	1.45E-08
3741	481863.09	3851877.25	0.03592	0.03173	0.03404	0.02544	6.55E-05	2.7E-06	0.00018	2.7E-08	0.00025	8.02E-05	3.30871E-06	0.000221	1.52E-08	3.05E-04	7.07E-05	2.55E-06	0.000476	1.57E-08
3742	482363.09	3851877.25	0.02876	0.02815	0.02763	0.01509	5.24E-05	2.4E-06	0.00015	1.6E-08	0.0002	6.42E-05	2.9354E-06	0.000179	9.01E-09	2.47E-04	5.66E-05	2.26E-06	0.000387	9.3E-09
3743	482863.09	3851877.25	0.01998	0.01837	0.02037	0.00899	3.64E-05	1.6E-06	0.00011	9.6E-09	0.00015	4.46E-05	1.91557E-06	0.000132	5.37E-09	1.79E-04	3.93E-05	1.47E-06	0.000285	5.54E-09
3744	483363.09	3851877.25	0.02004	0.01883	0.02008	0.0092	3.65E-05	1.6E-06	0.00011	9.8E-09	0.00014	4.48E-05	1.96354E-06	0.00013	5.49E-09	1.77E-04	3.95E-05	1.51E-06	0.000281	5.67E-09
3745	483863.09	3851877.25	0.01817	0.01805	0.01832	0.00806	3.31E-05	1.5E-06	9.7E-05	8.6E-09	0.00013	4.06E-05	1.8822E-06	0.000119	4.81E-09	1.61E-04	3.58E-05	1.45E-06	0.000256	4.97E-09
3746	484363.09	3851877.25	0.01926	0.01786	0.01938	0.00874	3.51E-05	1.5E-06	0.0001	9.3E-09	0.00014	4.30E-05	1.86239E-06	0.000126	5.22E-09	1.71E-04	3.79E-05	1.43E-06	0.000271	5.39E-09
3747	484863.09	3851877.25	0.01661	0.01268	0.01667	0.00761	3.03E-05	1.1E-06	8.9E-05	8.1E-09	0.00012	3.71E-05	1.32223E-06	0.000108	4.54E-09	1.47E-04	3.27E-05	1.02E-06	0.000233	4.69E-09
3748	485363.09	3851877.25	0.0169	0.01475	0.01634	0.00728	3.08E-05	1.3E-06	8.7E-05	7.8E-09	0.00012	3.78E-05	1.53809E-06	0.000106	4.35E-09	1.45E-04	3.33E-05	1.18E-06	0.000229	4.49E-09
3749	485863.09	3851877.25	0.01696	0.01396	0.0158	0.00703	3.09E-05	1.2E-06	8.4E-05	7.5E-09	0.00012	3.79E-05	1.45571E-06	0.000103	4.2E-09	1.42E-04	3.34E-05	1.12E-06	0.000221	4.33E-09
3750	486363.09	3851877.25	0.01471	0.01373	0.01255	0.00602	2.68E-05	1.2E-06	6.7E-05	6.4E-09	9.5E-05	3.29E-05	1.43173E-06	8.15E-05	3.59E-09	1.16E-04	2.9E-05	1.1E-06	0.000176	3.71E-09
3751	486863.09	3851877.25	0.01457	0.01387	0.0119	0.00569	2.66E-05	1.2E-06	6.3E-05	6.1E-09	9.1E-05	3.25E-05	1.44632E-06	7.73E-05	3.4E-09	1.11E-04	2.87E-05	1.11E-06	0.000166	3.51E-09
3752	487363.09	3851877.25	0.01444	0.01386	0.01158	0.00533	2.63E-05	1.2E-06	6.2E-05	5.7E-09	8.9E-05	3.23E-05	1.44528E-06	7.52E-05	3.18E-09	1.09E-04	2.84E-05	1.11E-06	0.000162	3.29E-09
3753	487863.09	3851877.25	0.01269	0.01142	0.00976	0.00505	2.31E-05	9.7E-07	5.2E-05	5.4E-09	7.6E-05	2.83E-05	1.19085E-06	6.34E-05	3.01E-09	9.29E-05	2.5E-05	9.16E-07	0.000137	3.11E-09
3754	488363.09	3851877.25	0.0132	0.01203	0.00992	0.0052	2.41E-05	1E-06	5.3E-05	5.5E-09	7.8E-05	2.95E-05	1.25445E-06	6.44E-05	3.1E-09	9.52E-05	2.6E-05	9.65E-07	0.000139	3.21E-09
3755	488863.09	3851877.25	0.01307	0.01343	0.00951	0.00524	2.38E-05	1.1E-06	5.1E-05	5.6E-09	7.6E-05	2.92E-05	1.40044E-06	6.18E-05	3.13E-09	9.24E-05	2.57E-05	1.08E-06	0.000133	3.23E-09
3756	489363.09	3851877.25	0.0132	0.0142	0.00971	0.00533	2.41E-05	1.2E-06	5.2E-05	5.7E-09	7.7E-05	2.95E-05	1.48074E-06	6.31E-05	3.18E-09	9.40E-05	2.6E-05	1.14E-06	0.000136	3.29E-09
3757	489863.09	3851877.25	0.01363	0.01495	0.01038	0.00568	2.48E-05	1.3E-06	5.5E-05	6.1E-09	8.1E-05	3.04E-05	1.55894E-06	6.74E-05	3.39E-09	9.94E-05	2.68E-05	1.2E-06	0.000145	3.5E-09
3758	490363.09	3851877.25	0.01449	0.01579	0.01138	0.00624	2.64E-05	1.3E-06	6E-05	6.7E-09	8.8E-05	3.24E-05	1.64654E-06	7.39E-05	3.72E-09	1.08E-04	2.85E-05	1.27E-06	0.000159	3.85E-09
3759	490863.09	3851877.25	0.01547	0.01716	0.01252	0.00698	2.82E-05	1.5E-06	6.7E-05	7.4E-09	9.6E-05	3.46E-05	1.7894E-06	8.13E-05	4.17E-09	1.18E-04	3.05E-05	1.38E-06	0.000175	4.3E-09
3760	491363.09	3851877.25	0.01649	0.01876	0.01378	0.0078	3.01E-05	1.6E-06	7.3E-05	8.3E-09	0.0001	3.68E-05	1.95624E-06	8.95E-05	4.66E-09	1.28E-04	3.25E-05	1.5E-06	0.000193	4.81E-09
3761	491863.09	3851877.25	0.0172	0.01954	0.0148	0.00858	3.14E-05	1.7E-06	7.9E-05	9.2E-09	0.00011	3.84E-05	2.03758E-06	9.61E-05	5.12E-09	1.37E-04	3.39E-05	1.57E-06	0.000207	5.29E-09
3762	492363.09	3851877.25	0.01689	0.01862	0.01502	0.00903	3.08E-05	1.6E-06	8E-05	9.6E-09	0.00011	3.77E-05	1.94164E-06	9.76E-05	5.39E-09	1.37E-04	3.33E-05	1.49E-06	0.00021	5.57E-09
3763	492863.09	3851877.25	0.0147	0.01581	0.01335	0.00869	2.68E-05	1.3E-06	7.1E-05	9.3E-09	9.9E-05	3.28E-05	1.64862E-06	8.67E-05	5.19E-09	1.21E-04	2.9E-05	1.27E-06	0.000187	5.36E-09
3764	493363.09	3851877.25	0.01781	0.01867	0.01655	0.0104	3.25E-05	1.6E-06	8.8E-05	1.1E-08	0.00012	3.98E-05	1.94685E-06	0.000107	6.21E-09	1.49E-04	3.51E-05	1.5E-06	0.000232	6.41E-09
3765	493863.09	3851877.25	0.02129	0.02179	0.02024	0.01236	3.88E-05	1.9E-06	0.00011	1.3E-08	0.00015	4.76E-05	2.2722E-06	0.000131	7.38E-09	1.81E-04	4.19E-05	1.75E-06	0.000283	7.62E-09
3766	494363.09	3851877.25	0.0207	0.02105	0.02002	0.01259	3.77E-05	1.8E-06	0.00011	1.3E-08	0.00015	4.62E-05	2.19503E-06	0.00013	7.51E-09	1.78E-04	4.08E-05	1.69E-06	0.00028	7.76E-09
3767	494863.09	3851877.25	0.02291	0.02331	0.02251	0.01405	4.18E-05	2E-06	0.00012	1.5E-08	0.00016	5.12E-05	2.4307E-06	0.000146	8.39E-09	2.00E-04	4.51E-05	1.87E-06	0.000315	8.66E-09
3768	495363.09	3851877.25	0.02424	0.02486	0.024	0.01517	4.42E-05	2.1E-06	0.00013	1.6E-08	0.00017	5.41E-05	2.59233E-06	0.000156	9.05E-09	2.13E-04	4.77E-05	1.99E-06	0.000336	9.35E-09
3769	495863.09	3851877.25	0.02498	0.02594	0.02494	0.01605	4.55E-05	2.2E-06	0.00013	1.7E-08	0.00018	5.58E-05	2.70495E-06	0.000162	9.58E-09	2.21E-04	4.92E-05	2.08E-06	0.000349	9.9E-09
3770	496363.09	3851877.25	0.02458	0.02555	0.02473	0.01631	4.48E-05	2.2E-06	0.00013	1.7E-08	0.00018	5.49E-05	2.66428E-06	0.000161	9.73E-09	2.18E-04	4.84E-05	2.05E-06	0.000346	1.01E-08
3771	496863.09	3851877.25	0.02397	0.02469	0.02431	0.01641	4.37E-05	2.1E-06	0.00013	1.8E-08	0.00017	5.35E-05	2.5746E-06	0.000158	9.79E-09	2.14E-04	4.72E-05	1.98E-06	0.00034	1.01E-08
3772	497363.09	3851877.25	0.02319	0.02367	0.02368	0.01636	4.23E-05	2E-06	0.00013	1.7E-08	0.00017	5.18E-05	2.46824E-06	0.000154	9.76E-09	2.08E-04	4.57E-05	1.9E-06	0.000331	1.01E-08
3773	497863.09	3851877.25	0.02155	0.02192	0.0221	0.01575	3.93E-05	1.9E-06	0.00012	1.7E-08	0.00016	4.81E-05	2.28576E-06	0.000144	9.4E-09	1.94E-04	4.24E-05	1.76E-06	0.000309	9.71E-09
3774	498363.09	3851877.25	0.02007	0.02045	0.02064	0.01517	3.66E-05	1.7E-06	0.00011	1.6E-08	0.00015	4.48E-05	2.13247E-06	0.000134	9.05E-09	1.81E-04	3.95E-05	1.64E-06	0.000289	9.35E-09
3775	471363.09	3852377.25	0.00734	0.00813	0.00741	0.005	1.34E-05	6.9E-07	3.9E-05	5.3E-09	5.3E-05	1.64E-05	8.47773E-07	4.81E-05	2.98E-09	6.54E-05	1.45E-05	6.52E-07	0.000104	3.08E-09
3776	471863.09	3852377.25	0.00836	0.00939	0.00838	0.00562	1.52E-05	8E-07	4.5E-05	6E-09	6.1E-05	1.87E-05	9.79163E-07	5.44E-05	3.35E-09	7.41E-05	1.65E-05	7.53E-07	0.000117	3.47E-09
3777	472363.09	3852377.25	0.0091	0.0101	0.00911	0.0061	1.66E-05	8.6E-07	4.8E-05	6.5E-09	6.6E-05	2.03E-05	1.0532E-06	5.92E-05	3.64E-09	8.06E-05	1.79E-05	8.1E-07	0.000127	3.76E-09
3778	472863.09	3852377.25	0.00975	0.01049	0.00976	0.00657	1.78E-05	8.9E-07	5.2E-05	7E-09	7.1E-05	2.18E-05	1.09387E-06	6.34E-05	3.92E-09	8.63E-05	1.92E-05	8.41E-07	0.000137	4.05E-09

3779	473363.09	3852377.25	0.01019	0.01053	0.01027	0.00683	1.86E-05	9E-07	5.5E-05	7.3E-09	7.4E-05	2.28E-05	1.09804E-06	6.67E-05	4.08E-09	9.06E-05	2.01E-05	8.45E-07	0.000144	4.21E-09
3780	473863.09	3852377.25	0.01045	0.01033	0.01064	0.00694	1.90E-05	8.8E-07	5.7E-05	7.4E-09	7.6E-05	2.33E-05	1.07718E-06	6.91E-05	4.14E-09	9.35E-05	2.06E-05	8.29E-07	0.000149	4.28E-09
3781	474363.09	3852377.25	0.01084	0.01027	0.0111	0.00712	1.98E-05	8.7E-07	5.9E-05	7.6E-09	8E-05	2.42E-05	1.07093E-06	7.21E-05	4.25E-09	9.74E-05	2.13E-05	8.24E-07	0.000155	4.39E-09
3782	474863.09	3852377.25	0.01313	0.01228	0.01317	0.009	2.39E-05	1E-06	7E-05	9.6E-09	9.5E-05	2.93E-05	1.28052E-06	8.55E-05	5.37E-09	1.16E-04	2.59E-05	9.85E-07	0.000184	5.55E-09
3783	475363.09	3852377.25	0.0137	0.0132	0.01359	0.00915	2.50E-05	1.1E-06	7.2E-05	9.8E-09	9.8E-05	3.06E-05	1.37646E-06	8.83E-05	5.46E-09	1.20E-04	2.7E-05	1.06E-06	0.00019	5.64E-09
3784	475863.09	3852377.25	0.01423	0.0145	0.01386	0.00912	2.59E-05	1.2E-06	7.4E-05	9.7E-09	0.0001	3.18E-05	1.51202E-06	9E-05	5.44E-09	1.23E-04	2.8E-05	1.16E-06	0.000194	5.62E-09
3785	476363.09	3852377.25	0.01452	0.01542	0.01385	0.0088	2.65E-05	1.3E-06	7.4E-05	9.4E-09	0.0001	3.24E-05	1.60795E-06	9E-05	5.25E-09	1.24E-04	2.86E-05	1.24E-06	0.000194	5.43E-09
3786	476863.09	3852377.25	0.01539	0.01611	0.01431	0.00914	2.81E-05	1.4E-06	7.6E-05	9.8E-09	0.00011	3.44E-05	1.67991E-06	9.29E-05	5.46E-09	1.29E-04	3.03E-05	1.29E-06	0.0002	5.64E-09
3787	477363.09	3852377.25	0.01599	0.01615	0.01472	0.00952	2.91E-05	1.4E-06	7.8E-05	1E-08	0.00011	3.57E-05	1.68408E-06	9.56E-05	5.68E-09	1.33E-04	3.15E-05	1.3E-06	0.000206	5.87E-09
3788	477863.09	3852377.25	0.015	0.01518	0.01435	0.00892	2.73E-05	1.3E-06	7.6E-05	9.5E-09	0.0001	3.35E-05	1.58293E-06	9.32E-05	5.32E-09	1.28E-04	2.95E-05	1.22E-06	0.000201	5.5E-09
3789	478363.09	3852377.25	0.01474	0.01485	0.01488	0.00868	2.69E-05	1.3E-06	7.9E-05	9.3E-09	0.00011	3.29E-05	1.54852E-06	9.66E-05	5.18E-09	1.31E-04	2.9E-05	1.19E-06	0.000208	5.35E-09
3790	478863.09	3852377.25	0.0194	0.01895	0.01936	0.01134	3.54E-05	1.6E-06	0.0001	1.2E-08	0.00014	4.33E-05	1.97605E-06	0.000126	6.77E-09	1.71E-04	3.82E-05	1.52E-06	0.000271	6.99E-09
3791	479363.09	3852377.25	0.02331	0.02325	0.02267	0.01339	4.25E-05	2E-06	0.00012	1.4E-08	0.00016	5.21E-05	2.42444E-06	0.000147	7.99E-09	2.02E-04	4.59E-05	1.87E-06	0.000317	8.26E-09
3792	479863.09	3852377.25	0.02824	0.02684	0.02606	0.0175	5.15E-05	2.3E-06	0.00014	1.9E-08	0.00019	6.31E-05	2.7988E-06	0.000169	1.04E-08	2.35E-04	5.56E-05	2.15E-06	0.000365	1.08E-08
3793	480363.09	3852377.25	0.03089	0.02732	0.02751	0.02013	5.63E-05	2.3E-06	0.00015	2.1E-08	0.0002	6.90E-05	2.84885E-06	0.000179	1.2E-08	2.51E-04	6.08E-05	2.19E-06	0.000385	1.24E-08
3794	480863.09	3852377.25	0.03213	0.02712	0.02789	0.01963	5.86E-05	2.3E-06	0.00015	2.1E-08	0.00021	7.18E-05	2.828E-06	0.000181	1.17E-08	2.56E-04	6.33E-05	2.18E-06	0.00039	1.21E-08
3795	481363.09	3852377.25	0.03636	0.03075	0.0293	0.01951	6.63E-05	2.6E-06	0.00016	2.1E-08	0.00022	8.12E-05	3.20652E-06	0.00019	1.16E-08	2.75E-04	7.16E-05	2.47E-06	0.00041	1.2E-08
3796	481863.09	3852377.25	0.04279	0.03907	0.03743	0.02828	7.80E-05	3.3E-06	0.0002	3E-08	0.00028	9.56E-05	4.07411E-06	0.000243	1.69E-08	3.43E-04	8.43E-05	3.13E-06	0.000524	1.74E-08
3797	482363.09	3852377.25	0.04504	0.03953	0.04172	0.03074	8.21E-05	3.4E-06	0.00022	3.3E-08	0.00031	1.01E-04	4.12208E-06	0.000271	1.83E-08	3.76E-04	8.87E-05	3.17E-06	0.000584	1.9E-08
3798	482863.09	3852377.25	0.04056	0.03725	0.03736	0.02105	7.39E-05	3.2E-06	0.0002	2.2E-08	0.00028	9.06E-05	3.88432E-06	0.000243	1.26E-08	3.37E-04	7.99E-05	2.99E-06	0.000523	1.3E-08
3799	483363.09	3852377.25	0.0297	0.02624	0.02937	0.01282	5.41E-05	2.2E-06	0.00016	1.4E-08	0.00021	6.63E-05	2.73623E-06	0.000191	7.65E-09	2.60E-04	5.85E-05	2.1E-06	0.000411	7.9E-09
3800	483863.09	3852377.25	0.02427	0.02352	0.02371	0.01021	4.42E-05	2E-06	0.00013	1.1E-08	0.00017	5.42E-05	2.4526E-06	0.000154	6.09E-09	2.11E-04	4.78E-05	1.89E-06	0.000332	6.3E-09
3801	484363.09	3852377.25	0.02678	0.02377	0.02624	0.01103	4.88E-05	2E-06	0.00014	1.2E-08	0.00019	5.98E-05	2.47867E-06	0.00017	6.58E-09	2.33E-04	5.27E-05	1.91E-06	0.000367	6.8E-09
3802	484863.09	3852377.25	0.02711	0.0215	0.02529	0.01101	4.94E-05	1.8E-06	0.00013	1.2E-08	0.00019	6.06E-05	2.24196E-06	0.000164	6.57E-09	2.27E-04	5.34E-05	1.72E-06	0.000354	6.79E-09
3803	485363.09	3852377.25	0.02806	0.02234	0.02523	0.01027	5.11E-05	1.9E-06	0.00013	1.1E-08	0.00019	6.27E-05	2.32955E-06	0.000164	6.13E-09	2.29E-04	5.53E-05	1.79E-06	0.000353	6.33E-09
3804	485863.09	3852377.25	0.02538	0.02073	0.02162	0.00893	4.63E-05	1.8E-06	0.00011	9.5E-09	0.00016	5.67E-05	2.16167E-06	0.00014	5.33E-09	1.99E-04	5E-05	1.66E-06	0.000302	5.51E-09
3805	486363.09	3852377.25	0.02112	0.02023	0.01628	0.00726	3.85E-05	1.7E-06	8.6E-05	7.7E-09	0.00013	4.72E-05	2.10953E-06	0.000106	4.33E-09	1.55E-04	4.16E-05	1.62E-06	0.000228	4.48E-09
3806	486863.09	3852377.25	0.01994	0.01806	0.01495	0.00665	3.63E-05	1.5E-06	7.9E-05	7.1E-09	0.00012	4.45E-05	1.88325E-06	9.71E-05	3.97E-09	1.44E-04	3.93E-05	1.45E-06	0.000209	4.1E-09
3807	487363.09	3852377.25	0.01835	0.01657	0.01309	0.00622	3.34E-05	1.4E-06	7E-05	6.6E-09	0.0001	4.10E-05	1.72787E-06	8.5E-05	3.71E-09	1.28E-04	3.61E-05	1.33E-06	0.000183	3.84E-09
3808	487863.09	3852377.25	0.01752	0.01616	0.01199	0.0061	3.19E-05	1.4E-06	6.4E-05	6.5E-09	9.7E-05	3.91E-05	1.68512E-06	7.79E-05	3.64E-09	1.19E-04	3.45E-05	1.3E-06	0.000168	3.76E-09
3809	488363.09	3852377.25	0.01708	0.01784	0.01158	0.00605	3.11E-05	1.5E-06	6.2E-05	6.5E-09	9.4E-05	3.82E-05	1.8603E-06	7.52E-05	3.61E-09	1.15E-04	3.36E-05	1.43E-06	0.000162	3.73E-09
3810	488863.09	3852377.25	0.01652	0.0186	0.0115	0.00607	3.01E-05	1.6E-06	6.1E-05	6.5E-09	9.3E-05	3.69E-05	1.93956E-06	7.47E-05	3.62E-09	1.14E-04	3.25E-05	1.49E-06	0.000161	3.74E-09
3811	489363.09	3852377.25	0.01656	0.01854	0.01202	0.00649	3.02E-05	1.6E-06	6.4E-05	6.9E-09	9.6E-05	3.70E-05	1.9333E-06	7.81E-05	3.87E-09	1.17E-04	3.26E-05	1.49E-06	0.000168	4E-09
3812	489863.09	3852377.25	0.01591	0.01821	0.01207	0.00681	2.90E-05	1.5E-06	6.4E-05	7.3E-09	9.5E-05	3.55E-05	1.89889E-06	7.84E-05	4.06E-09	1.16E-04	3.13E-05	1.46E-06	0.000169	4.2E-09
3813	490363.09	3852377.25	0.01832	0.02099	0.01457	0.00804	3.34E-05	1.8E-06	7.7E-05	8.6E-09	0.00011	4.09E-05	2.18878E-06	9.46E-05	4.8E-09	1.38E-04	3.61E-05	1.68E-06	0.000204	4.96E-09
3814	490863.09	3852377.25	0.02024	0.02318	0.01684	0.00935	3.69E-05	2E-06	8.9E-05	1E-08	0.00013	4.52E-05	2.41714E-06	0.000109	5.58E-09	1.57E-04	3.99E-05	1.86E-06	0.000236	5.76E-09
3815	491363.09	3852377.25	0.0243	0.02734	0.02104	0.01146	4.43E-05	2.3E-06	0.00011	1.2E-08	0.00016	5.43E-05	2.85094E-06	0.000137	6.84E-09	1.94E-04	4.79E-05	2.19E-06	0.000294	7.07E-09
3816	491863.09	3852377.25	0.0253	0.02754	0.02251	0.01266	4.61E-05	2.3E-06	0.00012	1.4E-08	0.00017	5.65E-05	2.87179E-06	0.000146	7.56E-09	2.06E-04	4.98E-05	2.21E-06	0.000315	7.81E-09
3817	492363.09	3852377.25	0.0258	0.02753	0.02367	0.01367	4.70E-05	2.3E-06	0.00013	1.5E-08	0.00018	5.76E-05	2.87075E-06	0.000154	8.16E-09	2.14E-04	5.08E-05	2.21E-06	0.000331	8.43E-09
3818	492863.09	3852377.25	0.02766	0.029	0.02602	0.01511	5.04E-05	2.5E-06	0.00014	1.6E-08	0.00019	6.18E-05	3.02404E-06	0.000169	9.02E-09	2.34E-04	5.45E-05	2.33E-06	0.000364	9.32E-09
3819	493363.09	3852377.25	0.03082	0.03164	0.02971	0.0171	5.62E-05	2.7E-06	0.00016	1.8E-08	0.00022	6.88E-05	3.29933E-06	0.000193	1.02E-08	2.65E-04	6.07E-05	2.54E-06	0.000416	1.05E-08
3820	493863.09	3852377.25	0.03048	0.03111	0.02987	0.01769	5.56E-05	2.6E-06	0.00016	1.9E-08	0.00022	6.81E-05	3.24406E-06	0.000194	1.06E-08	2.65E-04	6E-05	2.5E-06	0.000418	1.09E-08
3821	494363.09	3852377.25	0.03014	0.03085	0.02984	0.01822	5.49E-05	2.6E-06	0.00016	1.9E-08	0.00022	6.73E-05	3.21695E-06	0.000194	1.09E-08	2.64E-04	5.94E-05	2.47E-06	0.000417	1.12E-08
3822	494863.09	3852377.25	0.03159	0.03268	0.0317	0.0196	5.76E-05	2.8E-06	0.00017	2.1E-08	0.00023	7.06E-05	3.40778E-06	0.000206	1.17E-08	2.80E-04	6.22E-05	2.62E-06	0.000443	1.21E-08
3823	495363.09	3852377.25	0.033	0.03424	0.03346	0.02105	6.02E-05	2.9E-06	0.00018	2.2E-08	0.00024	7.37E-05	3.57045E-06	0.000217	1.26E-08	2.95E-04	6.5E-05	2.75E-06	0.000468	1.3E-08
3824	495863.09	3852377.25	0.03163	0.03232	0.0323	0.02095	5.77E-05	2.8E-06	0.00017	2.2E-08	0.00023	7.07E-05	3.37024E-06	0.00021	1.25E-08	2.84E-04	6.23E-05	2.59E-06	0.000452	1.29E-08
3825	496363.09	3852377.25	0.03014	0.03036	0.03097	0.02065	5.49E-05	2.6E-06	0.00016	2.2E-08	0.00022	6.73E-05	3.16585E-06	0.000201	1.23E-08	2.72E-04	5.94E-05	2.44E-06	0.000433	1.27E-08
3826	496863.09	3852377.25	0.02911	0.02923	0.03005	0.02052	5.31E-05	2.5E-06	0.00016	2.2E-08	0.00022	6.50E-05	3.04802E-06	0.000195	1.22E-08	2.63E-04	5.73E-05	2.34E-06	0.00042	1.27E-08
3827	497363.09	3852377.25	0.02635	0.02662	0.02736	0.01933	4.80E-05	2.3E-06	0.00015	2.1E-08	0.0002	5.89E-05	2.77586E-06	0.000178	1.15E-08	2.39E-04	5.19E-05	2.14E-06	0.000383	1.19E-08
3828	497863.09	3852377.25	0.02368	0.02411	0.0246	0.01806	4.32E-05	2.1E-06	0.00013	1.9E-08	0.00018	5.29E-05	2.51412E-06	0.00016	1.08E-08	2.15E-04	4.66E-05	1.93E-06	0.000344	1.11E-08
3829	498363.09	3852377.25	0.02131	0.02185	0.02214	0.01685	3.88E-05	1.9E-06	0.00012	1.8E-08	0.00016	4.76E-05	2.27846E-06	0.000144	1.01E-08	1.94E-04	4.2E-05	1.75E-06	0.00031	1.04E-08
3830	471363.09	3852877.25	0.0076	0.0074	0.00788	0.00528	1.39E-05	6.3E-07	4.2E-05	5.6E-09	5.6E-05	1.70E-05	7.71651E-07	5.12E-05	3.15E-09	6.89E-05	1.5E-05	5.94E-07	0.00011	3.26E-09
3831	471863.09	3852877.25	0.00842	0.00835	0.00866	0.0058	1.53E-05	7.1E-07	4.6E-05	6.2E-09	6.2E-05	1.88E-05	8.70714E-07	5.62E-05	3.46E-09	7.59E-05	1.66E-05	6.7E-07	0.000121	3.58E-09
3832	472363.09	3852877.25	0.00926	0.00953	0.00947	0.00634	1.69E-05	8.1E-07	5E-05	6.8E-09	6.8E-05	2.07E-05	9.93761E-07	6.15E-05	3.78E-09	8.32E-05	1.82E-05	7.64E-07	0.000132	3.91E-09
3833	472863.09	3852877.25	0.01004	0.01076	0.01022	0.00684	1.83E-05	9.2E-07	5.4E-05	7.3E-09	7.4E-05	2.24E-05	1.12202E-06	6.64E-05	4.08E-09	8.99E-05	1.98E-05	8.63E-07	0.000143	4.22E-09
3834	473363.09	3852877.25	0.01093	0.01204	0.01109	0.00734	1.99E-05	1E-06	5.9E-05	7.8E-09	8E-05	2.44E-05	1.2555E-06	7.2E-05	4.38E-09	9.77E-05	2.15E-05	9.66E-07	0.000155	4.53E-09
3835	473863.09	3852877.25	0.012	0.01335	0.01213	0.00799	2.19E-05	1.1E-06	6.4E-05	8.5E-09	8.7E-05	2.68E-05	1.3921E-06	7.88E-05	4.77E-09	1.07E-04	2.36E-05	1.07E-06	0.00017	4.93E-09
3836	474363.09	3852877.25	0.01311	0.0144	0.01317	0.00873	2.39E-05	1.2E-06	7E-05	9.3E-09	9.5E-05	2.93E-05	1.50159E-06	8.55E-05	5.21E-09	1.16E-04	2.58E-05	1.16E-06	0.000184	5.38E-09
3837	474863.09	3852877.25	0.01286	0.01375	0.01295	0.00815	2.34E-05	1.2E-06	6.9E-05	8.7E-09	9.3E-05	2.87E-05	1.43381E-06	8.41E-05	4.86E-09	1.14E-04	2.53E-05	1.1E-06	0.000181	5.03E-09
3838	475363.09	3852877.25	0.01412	0.01439	0.01414	0.00895	2.57E-05	1.2E-06	7.5E-05	9.5E-09	0.0001	3.15E-05	1.50055E-06	9.18E-05	5.34E-09	1.25E-04	2.78E-05	1.15E-06	0.000198	5.52E-09
3839	475863.09	3852877.25	0.01475	0.0143	0.01471	0.0092	2.69E-05	1.2E-06	7.8E-05	9.8E-09	0.00011	3.29E-05	1.49116E-06	9.55E-05	5.49E-09	1.30E-04	2.9E-05	1.15E-06	0.000206	5.67E-09

3840	476363.09	3852877.25	0.0144	0.01366	0.01442	0.00869	2.62E-05	1.2E-06	7.7E-05	9.3E-09	0.0001	3.22E-05	1.42443E-06	9.37E-05	5.19E-09	1.27E-04	2.84E-05	1.1E-06	0.000202	5.36E-09
3841	476863.09	3852877.25	0.01316	0.01279	0.01327	0.00775	2.40E-05	1.1E-06	7.1E-05	8.3E-09	9.6E-05	2.94E-05	1.33371E-06	8.62E-05	4.63E-09	1.17E-04	2.59E-05	1.03E-06	0.000186	4.78E-09
3842	477363.09	3852877.25	0.01228	0.01268	0.01227	0.00713	2.24E-05	1.1E-06	6.5E-05	7.6E-09	8.9E-05	2.74E-05	1.32223E-06	7.97E-05	4.26E-09	1.08E-04	2.42E-05	1.02E-06	0.000172	4.4E-09
3843	477863.09	3852877.25	0.01121	0.01193	0.01102	0.00656	2.04E-05	1E-06	5.9E-05	7E-09	8E-05	2.50E-05	1.24403E-06	7.16E-05	3.92E-09	9.79E-05	2.21E-05	9.57E-07	0.000154	4.04E-09
3844	478363.09	3852877.25	0.00876	0.00946	0.00839	0.00567	1.60E-05	8E-07	4.5E-05	6E-09	6.1E-05	1.96E-05	9.86462E-07	5.45E-05	3.38E-09	7.51E-05	1.73E-05	7.59E-07	0.000117	3.5E-09
3845	478863.09	3852877.25	0.01074	0.0113	0.01031	0.0066	1.96E-05	9.6E-07	5.5E-05	7E-09	7.5E-05	2.40E-05	1.17833E-06	6.7E-05	3.94E-09	9.21E-05	2.12E-05	9.06E-07	0.000144	4.07E-09
3846	479363.09	3852877.25	0.01554	0.01544	0.01551	0.00867	2.83E-05	1.3E-06	8.2E-05	9.2E-09	0.00011	3.47E-05	1.61004E-06	0.000101	5.17E-09	1.37E-04	3.06E-05	1.24E-06	0.000217	5.35E-09
3847	479863.09	3852877.25	0.02732	0.02647	0.02624	0.01515	4.98E-05	2.3E-06	0.00014	1.6E-08	0.00019	6.10E-05	2.76022E-06	0.00017	9.04E-09	2.34E-04	5.38E-05	2.12E-06	0.000367	9.34E-09
3848	480363.09	3852877.25	0.03636	0.03349	0.03249	0.02282	6.63E-05	2.8E-06	0.00017	2.4E-08	0.00024	8.12E-05	3.49224E-06	0.000211	1.36E-08	2.96E-04	7.16E-05	2.69E-06	0.000455	1.41E-08
3849	480863.09	3852877.25	0.04059	0.03657	0.03488	0.02424	7.40E-05	3.1E-06	0.00019	2.6E-08	0.00026	9.07E-05	3.81342E-06	0.000227	1.45E-08	3.21E-04	7.99E-05	2.93E-06	0.000488	1.49E-08
3850	481363.09	3852877.25	0.04311	0.03606	0.03528	0.0252	7.86E-05	3.1E-06	0.00019	2.7E-08	0.00027	9.63E-05	3.76023E-06	0.000229	1.5E-08	3.29E-04	8.49E-05	2.89E-06	0.000494	1.55E-08
3851	481863.09	3852877.25	0.04956	0.03983	0.03666	0.02457	9.03E-05	3.4E-06	0.00019	2.6E-08	0.00029	1.11E-04	4.15336E-06	0.000238	1.47E-08	3.53E-04	9.76E-05	3.2E-06	0.000513	1.51E-08
3852	482363.09	3852877.25	0.05833	0.0511	0.04712	0.03487	1.06E-04	4.3E-06	0.00025	3.7E-08	0.00036	1.30E-04	5.32856E-06	0.000306	2.08E-08	4.42E-04	0.000115	4.1E-06	0.000659	2.15E-08
3853	482863.09	3852877.25	0.0627	0.05178	0.05281	0.03806	1.14E-04	4.4E-06	0.00028	4.1E-08	0.0004	1.40E-04	5.39947E-06	0.000343	2.27E-08	4.88E-04	0.000123	4.15E-06	0.000739	2.35E-08
3854	483363.09	3852877.25	0.0537	0.04597	0.04816	0.02484	9.79E-05	3.9E-06	0.00026	2.6E-08	0.00036	1.20E-04	4.79362E-06	0.000313	1.48E-08	4.38E-04	0.000106	3.69E-06	0.000674	1.53E-08
3855	483863.09	3852877.25	0.03915	0.03682	0.03571	0.01444	7.14E-05	3.1E-06	0.00019	1.5E-08	0.00026	8.75E-05	3.83949E-06	0.000232	8.62E-09	3.23E-04	7.71E-05	2.95E-06	0.0005	8.9E-09
3856	484363.09	3852877.25	0.04434	0.03559	0.03898	0.01574	8.08E-05	3E-06	0.00021	1.7E-08	0.00029	9.90E-05	3.71122E-06	0.000253	9.39E-09	3.56E-04	8.73E-05	2.85E-06	0.000545	9.7E-09
3857	484863.09	3852877.25	0.04575	0.03462	0.03692	0.01573	8.34E-05	2.9E-06	0.0002	1.7E-08	0.00028	1.02E-04	3.61008E-06	0.00024	9.39E-09	3.46E-04	9.01E-05	2.78E-06	0.000516	9.7E-09
3858	485363.09	3852877.25	0.03319	0.02293	0.02551	0.01044	6.05E-05	2E-06	0.00014	1.1E-08	0.0002	7.41E-05	2.39108E-06	0.000166	6.23E-09	2.42E-04	6.54E-05	1.84E-06	0.000357	6.44E-09
3859	485863.09	3852877.25	0.02957	0.02324	0.02068	0.00896	5.39E-05	2E-06	0.00011	9.6E-09	0.00017	6.61E-05	2.4234E-06	0.000134	5.35E-09	2.03E-04	5.82E-05	1.86E-06	0.000289	5.52E-09
3860	486363.09	3852877.25	0.02576	0.02246	0.01694	0.00772	4.70E-05	1.9E-06	9E-05	8.2E-09	0.00014	5.75E-05	2.34207E-06	0.00011	4.61E-09	1.70E-04	5.07E-05	1.8E-06	0.000237	4.76E-09
3861	486863.09	3852877.25	0.02526	0.02175	0.01599	0.00747	4.60E-05	1.9E-06	8.5E-05	8E-09	0.00013	5.64E-05	2.26803E-06	0.000104	4.46E-09	1.63E-04	4.97E-05	1.74E-06	0.000224	4.61E-09
3862	487363.09	3852877.25	0.02405	0.02364	0.01463	0.00722	4.38E-05	2E-06	7.8E-05	7.7E-09	0.00012	5.37E-05	2.46511E-06	9.5E-05	4.31E-09	1.51E-04	4.74E-05	1.9E-06	0.000205	4.45E-09
3863	487863.09	3852877.25	0.02382	0.02584	0.01513	0.0073	4.34E-05	2.2E-06	8E-05	7.8E-09	0.00013	5.32E-05	2.69452E-06	9.83E-05	4.36E-09	1.54E-04	4.69E-05	2.07E-06	0.000212	4.5E-09
3864	488363.09	3852877.25	0.01869	0.02191	0.01218	0.00661	3.41E-05	1.9E-06	6.5E-05	7.1E-09	0.0001	4.17E-05	2.28471E-06	7.91E-05	3.95E-09	1.23E-04	3.68E-05	1.76E-06	0.00017	4.08E-09
3865	488863.09	3852877.25	0.02133	0.02545	0.01492	0.00783	3.89E-05	2.2E-06	7.9E-05	8.4E-09	0.00012	4.76E-05	2.65385E-06	9.69E-05	4.67E-09	1.47E-04	4.2E-05	2.04E-06	0.000209	4.83E-09
3866	489363.09	3852877.25	0.02277	0.02715	0.01709	0.00904	4.15E-05	2.3E-06	9.1E-05	9.6E-09	0.00013	5.09E-05	2.83113E-06	0.000111	5.4E-09	1.65E-04	4.48E-05	2.18E-06	0.000239	5.57E-09
3867	489863.09	3852877.25	0.02394	0.028	0.01912	0.01023	4.36E-05	2.4E-06	0.0001	1.1E-08	0.00015	5.35E-05	2.91976E-06	0.000124	6.11E-09	1.81E-04	4.71E-05	2.25E-06	0.000267	6.31E-09
3868	490363.09	3852877.25	0.03098	0.0353	0.02609	0.01337	5.65E-05	3E-06	0.00014	1.4E-08	0.0002	6.92E-05	3.68098E-06	0.000169	7.98E-09	2.42E-04	6.1E-05	2.83E-06	0.000365	8.24E-09
3869	490863.09	3852877.25	0.03437	0.0388	0.02991	0.01566	6.27E-05	3.3E-06	0.00016	1.7E-08	0.00022	7.68E-05	4.04595E-06	0.000194	9.35E-09	2.75E-04	6.77E-05	3.11E-06	0.000418	9.66E-09
3870	491363.09	3852877.25	0.03715	0.04099	0.0335	0.01785	6.77E-05	3.5E-06	0.00018	1.9E-08	0.00025	8.30E-05	4.27432E-06	0.000218	1.07E-08	3.05E-04	7.32E-05	3.29E-06	0.000469	1.1E-08
3871	491863.09	3852877.25	0.03807	0.04092	0.03534	0.01933	6.94E-05	3.5E-06	0.00019	2.1E-08	0.00026	8.50E-05	4.26702E-06	0.00023	1.15E-08	3.19E-04	7.5E-05	3.28E-06	0.000494	1.19E-08
3872	492363.09	3852877.25	0.0393	0.04125	0.03748	0.02086	7.16E-05	3.5E-06	0.0002	2.2E-08	0.00027	8.78E-05	4.30143E-06	0.000243	1.25E-08	3.36E-04	7.74E-05	3.31E-06	0.000524	1.29E-08
3873	492863.09	3852877.25	0.0422	0.04325	0.04147	0.02311	7.69E-05	3.7E-06	0.00022	2.5E-08	0.0003	9.43E-05	4.50999E-06	0.000269	1.38E-08	3.68E-04	8.31E-05	3.47E-06	0.00058	1.42E-08
3874	493363.09	3852877.25	0.0438	0.04444	0.04388	0.02494	7.98E-05	3.8E-06	0.00023	2.7E-08	0.00032	9.78E-05	4.63408E-06	0.000285	1.49E-08	3.87E-04	8.63E-05	3.56E-06	0.000614	1.54E-08
3875	493863.09	3852877.25	0.04294	0.04364	0.04343	0.02561	7.83E-05	3.7E-06	0.00023	2.7E-08	0.00031	9.59E-05	4.55066E-06	0.000282	1.53E-08	3.83E-04	8.46E-05	3.5E-06	0.000608	1.58E-08
3876	494363.09	3852877.25	0.04233	0.04318	0.04319	0.02628	7.72E-05	3.7E-06	0.00023	2.8E-08	0.00031	9.46E-05	4.50269E-06	0.000281	1.57E-08	3.80E-04	8.34E-05	3.46E-06	0.000604	1.62E-08
3877	494863.09	3852877.25	0.04244	0.04293	0.04364	0.02729	7.74E-05	3.7E-06	0.00023	2.9E-08	0.00031	9.48E-05	4.47662E-06	0.000283	1.63E-08	3.83E-04	8.36E-05	3.44E-06	0.00061	1.68E-08
3878	495363.09	3852877.25	0.03999	0.03999	0.04136	0.02669	7.29E-05	3.4E-06	0.00022	2.8E-08	0.0003	8.93E-05	4.17004E-06	0.000269	1.59E-08	3.62E-04	7.88E-05	3.21E-06	0.000579	1.65E-08
3879	495863.09	3852877.25	0.03759	0.03764	0.03906	0.02592	6.85E-05	3.2E-06	0.00021	2.8E-08	0.00028	8.40E-05	3.92499E-06	0.000254	1.55E-08	3.42E-04	7.4E-05	3.02E-06	0.000546	1.6E-08
3880	496363.09	3852877.25	0.03664	0.03702	0.03822	0.0259	6.68E-05	3.2E-06	0.0002	2.8E-08	0.00027	8.18E-05	3.86034E-06	0.000248	1.55E-08	3.34E-04	7.22E-05	2.97E-06	0.000535	1.6E-08
3881	496863.09	3852877.25	0.03477	0.03544	0.03635	0.02519	6.34E-05	3E-06	0.00019	2.7E-08	0.00026	7.77E-05	3.69558E-06	0.000236	1.5E-08	3.17E-04	6.85E-05	2.84E-06	0.000508	1.55E-08
3882	497363.09	3852877.25	0.02979	0.03047	0.03129	0.02256	5.43E-05	2.6E-06	0.00017	2.4E-08	0.00022	6.65E-05	3.17733E-06	0.000203	1.35E-08	2.73E-04	5.87E-05	2.44E-06	0.000438	1.39E-08
3883	497863.09	3852877.25	0.02264	0.0231	0.02378	0.0185	4.13E-05	2E-06	0.00013	2E-08	0.00017	5.06E-05	2.4088E-06	0.000154	1.1E-08	2.07E-04	4.46E-05	1.85E-06	0.000333	1.14E-08
3884	498363.09	3852877.25	0.0212	0.0216	0.02229	0.01777	3.86E-05	1.8E-06	0.00012	1.9E-08	0.00016	4.74E-05	2.25239E-06	0.000145	1.06E-08	1.94E-04	4.18E-05	1.73E-06	0.000312	1.1E-08
3885	471363.09	3853377.25	0.00794	0.0079	0.00836	0.00555	1.45E-05	6.7E-07	4.4E-05	5.9E-09	6E-05	1.77E-05	8.2379E-07	5.43E-05	3.31E-09	7.29E-05	1.56E-05	6.34E-07	0.000117	3.42E-09
3886	471863.09	3853377.25	0.00866	0.00851	0.00908	0.00596	1.58E-05	7.2E-07	4.8E-05	6.4E-09	6.5E-05	1.93E-05	8.87399E-07	5.9E-05	3.56E-09	7.92E-05	1.71E-05	6.83E-07	0.000127	3.67E-09
3887	472363.09	3853377.25	0.00938	0.00909	0.00976	0.00639	1.71E-05	7.7E-07	5.2E-05	6.8E-09	7E-05	2.10E-05	9.4788E-07	6.34E-05	3.81E-09	8.53E-05	1.85E-05	7.29E-07	0.000137	3.94E-09
3888	472863.09	3853377.25	0.01016	0.00978	0.01046	0.00692	1.85E-05	8.3E-07	5.6E-05	7.4E-09	7.5E-05	2.27E-05	1.01983E-06	6.79E-05	4.13E-09	9.17E-05	2E-05	7.85E-07	0.000146	4.27E-09
3889	473363.09	3853377.25	0.01083	0.0105	0.01107	0.00734	1.97E-05	8.9E-07	5.9E-05	7.8E-09	7.9E-05	2.42E-05	1.09491E-06	7.19E-05	4.38E-09	9.72E-05	2.13E-05	8.42E-07	0.000155	4.53E-09
3890	473863.09	3853377.25	0.01163	0.01151	0.01182	0.00783	2.12E-05	9.8E-07	6.3E-05	8.4E-09	8.5E-05	2.60E-05	1.20023E-06	7.68E-05	4.67E-09	1.04E-04	2.29E-05	9.23E-07	0.000165	4.83E-09
3891	474363.09	3853377.25	0.01245	0.01268	0.01266	0.00828	2.27E-05	1.1E-06	6.7E-05	8.8E-09	9.1E-05	2.78E-05	1.32223E-06	8.22E-05	4.94E-09	1.11E-04	2.45E-05	1.02E-06	0.000177	5.11E-09
3892	474863.09	3853377.25	0.01266	0.01331	0.01298	0.00821	2.31E-05	1.1E-06	6.9E-05	8.8E-09	9.3E-05	2.83E-05	1.38793E-06	8.43E-05	4.9E-09	1.14E-04	2.49E-05	1.07E-06	0.000182	5.06E-09
3893	475363.09	3853377.25	0.01313	0.01408	0.01355	0.0083	2.39E-05	1.2E-06	7.2E-05	8.9E-09	9.7E-05	2.93E-05	1.46822E-06	8.8E-05	4.95E-09	1.19E-04	2.59E-05	1.13E-06	0.00019	5.12E-09
3894	475863.09	3853377.25	0.01353	0.01462	0.01401	0.00831	2.47E-05	1.2E-06	7.4E-05	8.9E-09	0.0001	3.02E-05	1.52453E-06	9.1E-05	4.96E-09	1.23E-04	2.66E-05	1.17E-06	0.000196	5.12E-09
3895	476363.09	3853377.25	0.01292	0.0138	0.01337	0.00773	2.36E-05	1.2E-06	7.1E-05	8.2E-09	9.6E-05	2.89E-05	1.43902E-06	8.68E-05	4.61E-09	1.17E-04	2.54E-05	1.11E-06	0.000187	4.77E-09
3896	476863.09	3853377.25	0.01115	0.01143	0.01157	0.00686	2.03E-05	9.7E-07	6.1E-05	7.3E-09	8.3E-05	2.49E-05	1.19189E-06	7.52E-05	4.09E-09	1.01E-04	2.2E-05	9.17E-07	0.000162	4.23E-09
3897	477363.09	3853377.25	0.01094	0.01073	0.01124	0.00678	1.99E-05	9.1E-07	6E-05	7.2E-09	8.1E-05	2.44E-05	1.11889E-06	7.3E-05	4.05E-09	9.86E-05	2.15E-05	8.61E-07	0.000157	4.18E-09
3898	477863.09	3853377.25	0.01119	0.01078	0.01123	0.0069	2.04E-05	9.2E-07	6E-05	7.4E-09	8.1E-05	2.50E-05	1.12411E-06	7.29E-05	4.12E-09	9.91E-05	2.2E-05	8.65E-07	0.000157	4.25E-09
3899	478363.09	3853377.25	0.00948	0.00935	0.00938	0.00624	1.73E-05	8E-07	5E-05	6.7E-09	6.8E-05	2.12E-05	9.74992E-07	6.09E-05	3.72E-09	8.31E-05	1.87E-05	7.5E-07	0.000131	3.85E-09
3900	478863.09	3853377.25	0.00732	0.0077	0.00713	0.00537	1.33E-05	6.6E-07	3.8E-05	5.7E-09	5.2E-05	1.64E-05	8.02934E-07	4.63E-05	3.21E-09	6.35E-05	1.44E-05	6.18E-07	9.97E-05	3.31E-09

3901	479363.09	3853377.25	0.01313	0.01418	0.01262	0.00767	2.39E-05	1.2E-06	6.7E-05	8.2E-09	9.2E-05	2.93E-05	1.47865E-06	8.2E-05	4.58E-09	1.13E-04	2.59E-05	1.14E-06	0.000177	4.73E-09
3902	479863.09	3853377.25	0.02167	0.02318	0.02013	0.01068	3.95E-05	2E-06	0.00011	1.1E-08	0.00015	4.84E-05	2.41714E-06	0.000131	6.37E-09	1.82E-04	4.27E-05	1.86E-06	0.000282	6.58E-09
3903	480363.09	3853377.25	0.03572	0.03469	0.03179	0.01849	6.51E-05	3E-06	0.00017	2E-08	0.00024	7.98E-05	3.61738E-06	0.000206	1.1E-08	2.90E-04	7.03E-05	2.78E-06	0.000445	1.14E-08
3904	480863.09	3853377.25	0.03894	0.03739	0.03544	0.01877	7.10E-05	3.2E-06	0.00019	2E-08	0.00026	8.70E-05	3.89892E-06	0.00023	1.12E-08	3.21E-04	7.67E-05	3E-06	0.000496	1.16E-08
3905	481363.09	3853377.25	0.05533	0.04973	0.04467	0.02777	1.01E-04	4.2E-06	0.00024	3E-08	0.00034	1.24E-04	5.1857E-06	0.00029	1.66E-08	4.19E-04	0.000109	3.99E-06	0.000625	1.71E-08
3906	481863.09	3853377.25	0.06604	0.05171	0.04673	0.03343	1.20E-04	4.4E-06	0.00025	3.6E-08	0.00037	1.48E-04	5.39217E-06	0.000304	2E-08	4.56E-04	0.00013	4.15E-06	0.000654	2.06E-08
3907	482363.09	3853377.25	0.08484	0.05614	0.04861	0.0325	1.55E-04	4.8E-06	0.00026	3.5E-08	0.00042	1.90E-04	5.85412E-06	0.000316	1.94E-08	5.11E-04	0.000167	4.5E-06	0.00068	2E-08
3908	482863.09	3853377.25	0.10375	0.07284	0.06291	0.0445	1.89E-04	6.2E-06	0.00033	4.7E-08	0.00053	2.32E-04	7.59555E-06	0.000409	2.66E-08	6.48E-04	0.000204	5.84E-06	0.00088	2.74E-08
3909	483363.09	3853377.25	0.10939	0.07505	0.07181	0.04218	1.99E-04	6.4E-06	0.00038	4.5E-08	0.00059	2.44E-04	7.826E-06	0.000466	2.52E-08	7.19E-04	0.000215	6.02E-06	0.001005	2.6E-08
3910	483863.09	3853377.25	0.09941	0.06644	0.06338	0.02881	1.81E-04	5.7E-06	0.00034	3.1E-08	0.00052	2.22E-04	6.92818E-06	0.000412	1.72E-08	6.41E-04	0.000196	5.33E-06	0.000887	1.78E-08
3911	484363.09	3853377.25	0.09372	0.05918	0.06078	0.02469	1.71E-04	5E-06	0.00032	2.6E-08	0.0005	2.09E-04	6.17112E-06	0.000395	1.47E-08	6.10E-04	0.000185	4.75E-06	0.00085	1.52E-08
3912	484863.09	3853377.25	0.07146	0.04635	0.04698	0.01741	1.30E-04	3.9E-06	0.00025	1.9E-08	0.00038	1.60E-04	4.83325E-06	0.000305	1.04E-08	4.70E-04	0.000141	3.72E-06	0.000657	1.07E-08
3913	485363.09	3853377.25	0.04452	0.0287	0.02641	0.0115	8.12E-05	2.4E-06	0.00014	1.2E-08	0.00022	9.94E-05	2.99275E-06	0.000172	6.86E-09	2.74E-04	8.77E-05	2.3E-06	0.000369	7.09E-09
3914	485863.09	3853377.25	0.03259	0.02467	0.01731	0.00876	5.94E-05	2.1E-06	9.2E-05	9.3E-09	0.00015	7.28E-05	2.57252E-06	0.000112	5.23E-09	1.88E-04	6.42E-05	1.98E-06	0.000242	5.4E-09
3915	486363.09	3853377.25	0.03481	0.03024	0.01853	0.00884	6.35E-05	2.6E-06	9.8E-05	9.4E-09	0.00016	7.78E-05	3.15334E-06	0.00012	5.28E-09	2.01E-04	6.86E-05	2.43E-06	0.000259	5.45E-09
3916	486863.09	3853377.25	0.03686	0.03835	0.02007	0.00919	6.72E-05	3.3E-06	0.00011	9.8E-09	0.00018	8.23E-05	3.99903E-06	0.00013	5.48E-09	2.17E-04	7.26E-05	3.08E-06	0.000281	5.67E-09
3917	487363.09	3853377.25	0.04126	0.04853	0.02467	0.01018	7.52E-05	4.1E-06	0.00013	1.1E-08	0.00021	9.22E-05	5.06057E-06	0.00016	6.08E-09	2.57E-04	8.13E-05	3.89E-06	0.000345	6.28E-09
3918	487863.09	3853377.25	0.04455	0.05412	0.02918	0.01174	8.12E-05	4.6E-06	0.00016	1.3E-08	0.00024	9.95E-05	5.64348E-06	0.00019	7.01E-09	2.95E-04	8.77E-05	4.34E-06	0.000408	7.24E-09
3919	488363.09	3853377.25	0.04863	0.06057	0.03481	0.0141	8.86E-05	5.2E-06	0.00018	1.5E-08	0.00028	1.09E-04	6.31607E-06	0.000226	8.42E-09	3.41E-04	9.58E-05	4.86E-06	0.000487	8.69E-09
3920	488863.09	3853377.25	0.04985	0.06034	0.03853	0.01623	9.09E-05	5.1E-06	0.0002	1.7E-08	0.0003	1.11E-04	6.29208E-06	0.00025	9.69E-09	3.68E-04	9.82E-05	4.84E-06	0.000539	1E-08
3921	489363.09	3853377.25	0.05045	0.05975	0.04128	0.01848	9.20E-05	5.1E-06	0.00022	2E-08	0.00032	1.13E-04	6.23056E-06	0.000268	1.1E-08	3.87E-04	9.94E-05	4.79E-06	0.000577	1.14E-08
3922	489863.09	3853377.25	0.04929	0.05731	0.04231	0.0201	8.98E-05	4.9E-06	0.00022	2.1E-08	0.00032	1.10E-04	5.97612E-06	0.000275	1.2E-08	3.91E-04	9.71E-05	4.6E-06	0.000592	1.24E-08
3923	490363.09	3853377.25	0.05258	0.06021	0.04691	0.02306	9.58E-05	5.1E-06	0.00025	2.5E-08	0.00035	1.17E-04	6.27853E-06	0.000305	1.38E-08	4.28E-04	0.000104	4.83E-06	0.000656	1.42E-08
3924	490863.09	3853377.25	0.05446	0.06031	0.05069	0.02551	9.93E-05	5.1E-06	0.00027	2.7E-08	0.00037	1.22E-04	6.28896E-06	0.000329	1.52E-08	4.57E-04	0.000107	4.84E-06	0.000709	1.57E-08
3925	491363.09	3853377.25	0.05596	0.05954	0.05376	0.02787	1.02E-04	5.1E-06	0.00029	3E-08	0.00039	1.25E-04	6.20866E-06	0.000349	1.66E-08	4.80E-04	0.00011	4.78E-06	0.000752	1.72E-08
3926	491863.09	3853377.25	0.05678	0.05825	0.05575	0.02992	1.04E-04	5E-06	0.0003	3.2E-08	0.0004	1.27E-04	6.07415E-06	0.000362	1.79E-08	4.95E-04	0.000112	4.67E-06	0.00078	1.84E-08
3927	492363.09	3853377.25	0.05896	0.05894	0.05918	0.03249	1.07E-04	5E-06	0.00031	3.5E-08	0.00043	1.32E-04	6.1461E-06	0.000384	1.94E-08	5.22E-04	0.000116	4.73E-06	0.000828	2E-08
3928	492863.09	3853377.25	0.06066	0.06058	0.06209	0.03493	1.11E-04	5.2E-06	0.00033	3.7E-08	0.00045	1.35E-04	6.31711E-06	0.000403	2.08E-08	5.45E-04	0.000119	4.86E-06	0.000869	2.15E-08
3929	493363.09	3853377.25	0.05981	0.06046	0.06169	0.03608	1.09E-04	5.1E-06	0.00033	3.8E-08	0.00044	1.34E-04	6.3046E-06	0.000401	2.15E-08	5.41E-04	0.000118	4.85E-06	0.000863	2.22E-08
3930	493863.09	3853377.25	0.05839	0.059	0.06074	0.03666	1.06E-04	5E-06	0.00032	3.9E-08	0.00043	1.30E-04	6.15235E-06	0.000395	2.19E-08	5.31E-04	0.000115	4.73E-06	0.00085	2.26E-08
3931	494363.09	3853377.25	0.0553	0.05519	0.05796	0.03601	1.01E-04	4.7E-06	0.00031	3.8E-08	0.00041	1.24E-04	5.75506E-06	0.000376	2.15E-08	5.06E-04	0.000109	4.43E-06	0.000811	2.22E-08
3932	494863.09	3853377.25	0.05159	0.05137	0.05439	0.03478	9.40E-05	4.4E-06	0.00029	3.7E-08	0.00039	1.15E-04	5.35672E-06	0.000353	2.08E-08	4.74E-04	0.000102	4.12E-06	0.000761	2.14E-08
3933	495363.09	3853377.25	0.04943	0.04946	0.05233	0.03434	9.01E-05	4.2E-06	0.00028	3.7E-08	0.00037	1.10E-04	5.15755E-06	0.00034	2.05E-08	4.55E-04	9.74E-05	3.97E-06	0.000732	2.12E-08
3934	495863.09	3853377.25	0.04638	0.04664	0.04922	0.03314	8.45E-05	4E-06	0.00026	3.5E-08	0.00035	1.04E-04	4.86349E-06	0.00032	1.98E-08	4.28E-04	9.13E-05	3.74E-06	0.000689	2.04E-08
3935	496363.09	3853377.25	0.04244	0.04271	0.04507	0.03119	7.74E-05	3.6E-06	0.00024	3.3E-08	0.00032	9.48E-05	4.45368E-06	0.000293	1.86E-08	3.92E-04	8.36E-05	3.43E-06	0.00063	1.92E-08
3936	496863.09	3853377.25	0.03711	0.03729	0.0395	0.02829	6.76E-05	3.2E-06	0.00021	3E-08	0.00028	8.29E-05	3.8885E-06	0.000257	1.69E-08	3.43E-04	7.31E-05	2.99E-06	0.000553	1.74E-08
3937	497363.09	3853377.25	0.03084	0.0308	0.03279	0.02475	5.62E-05	2.6E-06	0.00017	2.6E-08	0.00023	6.89E-05	3.21174E-06	0.000213	1.48E-08	2.85E-04	6.07E-05	2.47E-06	0.000459	1.53E-08
3938	497863.09	3853377.25	0.02087	0.02078	0.02213	0.01844	3.80E-05	1.8E-06	0.00012	2E-08	0.00016	4.66E-05	2.16688E-06	0.000144	1.1E-08	1.93E-04	4.11E-05	1.67E-06	0.00031	1.14E-08
3939	498363.09	3853377.25	0.01654	0.0165	0.01744	0.01531	3.01E-05	1.4E-06	9.3E-05	1.6E-08	0.00012	3.69E-05	1.72057E-06	0.000113	9.14E-09	1.52E-04	3.26E-05	1.32E-06	0.000244	9.44E-09
3940	471363.09	3853877.25	0.00802	0.00841	0.00833	0.00572	1.46E-05	7.2E-07	4.4E-05	6.1E-09	6E-05	1.79E-05	8.76971E-07	5.41E-05	3.41E-09	7.29E-05	1.58E-05	6.75E-07	0.000117	3.53E-09
3941	471863.09	3853877.25	0.00884	0.00914	0.00922	0.00626	1.61E-05	7.8E-07	4.9E-05	6.7E-09	6.6E-05	1.97E-05	9.53093E-07	5.99E-05	3.74E-09	8.06E-05	1.74E-05	7.33E-07	0.000129	3.86E-09
3942	472363.09	3853877.25	0.00941	0.00953	0.00986	0.00656	1.72E-05	8.1E-07	5.2E-05	7E-09	7E-05	2.10E-05	9.93761E-07	6.4E-05	3.92E-09	8.61E-05	1.85E-05	7.64E-07	0.000138	4.04E-09
3943	472863.09	3853877.25	0.01017	0.01009	0.01065	0.007	1.85E-05	8.6E-07	5.7E-05	7.5E-09	7.6E-05	2.27E-05	1.05216E-06	6.92E-05	4.18E-09	9.29E-05	2E-05	8.09E-07	0.000149	4.32E-09
3944	473363.09	3853877.25	0.01073	0.01048	0.01124	0.00725	1.96E-05	8.9E-07	6E-05	7.7E-09	8E-05	2.40E-05	1.09282E-06	7.3E-05	4.33E-09	9.81E-05	2.11E-05	8.41E-07	0.000157	4.47E-09
3945	473863.09	3853877.25	0.01136	0.01096	0.01187	0.00755	2.07E-05	9.3E-07	6.3E-05	8.1E-09	8.5E-05	2.54E-05	1.14288E-06	7.71E-05	4.51E-09	1.04E-04	2.24E-05	8.79E-07	0.000166	4.66E-09
3946	474363.09	3853877.25	0.0122	0.01171	0.01267	0.00801	2.22E-05	1E-06	6.7E-05	8.5E-09	9.1E-05	2.73E-05	1.22109E-06	8.23E-05	4.78E-09	1.11E-04	2.4E-05	9.39E-07	0.000177	4.94E-09
3947	474863.09	3853877.25	0.01296	0.01253	0.01335	0.00841	2.36E-05	1.1E-06	7.1E-05	9E-09	9.6E-05	2.89E-05	1.30659E-06	8.67E-05	5.02E-09	1.17E-04	2.55E-05	1.01E-06	0.000187	5.19E-09
3948	475363.09	3853877.25	0.01288	0.01275	0.01324	0.00818	2.35E-05	1.1E-06	7E-05	8.7E-09	9.5E-05	2.88E-05	1.32953E-06	8.6E-05	4.88E-09	1.16E-04	2.54E-05	1.02E-06	0.000185	5.04E-09
3949	475863.09	3853877.25	0.01138	0.01159	0.01171	0.00729	2.07E-05	9.9E-07	6.2E-05	7.8E-09	8.4E-05	2.54E-05	1.20857E-06	7.61E-05	4.35E-09	1.03E-04	2.24E-05	9.3E-07	0.000164	4.49E-09
3950	476363.09	3853877.25	0.00966	0.01008	0.00995	0.00653	1.76E-05	8.6E-07	5.3E-05	7E-09	7.1E-05	2.16E-05	1.05111E-06	6.46E-05	3.9E-09	8.73E-05	1.9E-05	8.09E-07	0.000139	4.03E-09
3951	476863.09	3853877.25	0.00761	0.00808	0.0079	0.00568	1.39E-05	6.9E-07	4.2E-05	6.1E-09	5.7E-05	1.70E-05	8.4256E-07	5.13E-05	3.39E-09	6.92E-05	1.5E-05	6.48E-07	0.000111	3.5E-09
3952	477363.09	3853877.25	0.00846	0.00899	0.00881	0.00609	1.54E-05	7.7E-07	4.7E-05	6.5E-09	6.3E-05	1.89E-05	9.37452E-07	5.72E-05	3.63E-09	7.71E-05	1.67E-05	7.21E-07	0.000123	3.75E-09
3953	477863.09	3853877.25	0.00996	0.01043	0.01029	0.00672	1.82E-05	8.9E-07	5.5E-05	7.2E-09	7.4E-05	2.22E-05	1.08761E-06	6.68E-05	4.01E-09	9.02E-05	1.96E-05	8.37E-07	0.000144	4.14E-09
3954	478363.09	3853877.25	0.01071	0.01097	0.01096	0.00701	1.95E-05	9.3E-07	5.8E-05	7.5E-09	7.9E-05	2.39E-05	1.14392E-06	7.12E-05	4.18E-09	9.63E-05	2.11E-05	8.8E-07	0.000153	4.32E-09
3955	478863.09	3853877.25	0.00754	0.00772	0.00757	0.0057	1.37E-05	6.6E-07	4E-05	6.1E-09	5.5E-05	1.68E-05	8.0502E-07	4.92E-05	3.4E-09	6.68E-05	1.48E-05	6.19E-07	0.000106	3.51E-09
3956	479363.09	3853877.25	0.01063	0.01061	0.01048	0.00705	1.94E-05	9E-07	5.6E-05	7.5E-09	7.6E-05	2.37E-05	1.10638E-06	6.81E-05	4.21E-09	9.29E-05	2.09E-05	8.51E-07	0.000147	4.35E-09
3957	479863.09	3853877.25	0.02148	0.02148	0.02034	0.01086	3.92E-05	1.8E-06	0.00011	1.2E-08	0.00015	4.80E-05	2.23987E-06	0.000132	6.48E-09	1.82E-04	4.23E-05	1.72E-06	0.000285	6.7E-09
3958	480363.09	3853877.25	0.03271	0.03432	0.02984	0.01489	5.96E-05	2.9E-06	0.00016	1.6E-08	0.00022	7.31E-05	3.57879E-06	0.000194	8.89E-09	2.70E-04	6.44E-05	2.75E-06	0.000417	9.18E-09
3959	480863.09	3853877.25	0.05097	0.05355	0.04206	0.02381	9.29E-05	4.6E-06	0.00022	2.5E-08	0.00032	1.14E-04	5.58404E-06	0.000273	1.42E-08	3.93E-04	0.0001	4.3E-06	0.000588	1.47E-08
3960	481363.09	3853877.25	0.06708	0.06135	0.05089	0.03145	1.22E-04	5.2E-06	0.00027	3.4E-08	0.0004	1.50E-04	6.3974E-06	0.000331	1.88E-08	4.87E-04	0.000132	4.92E-06	0.000712	1.94E-08
3961	481863.09	3853877.25	0.08553	0.06529	0.05665	0.04259	1.56E-04	5.6E-06	0.0003	4.5E-08	0.00046	1.91E-04	6.80826E-06	0.000368	2.54E-08	5.66E-04	0.000168	5.24E-06	0.000792	2.63E-08

3962	482363.09	3853877.25	0.13092	0.0797	0.06483	0.04671	2.39E-04	6.8E-06	0.00034	5E-08	0.00059	2.92E-04	8.31089E-06	0.000421	2.79E-08	7.22E-04	0.000258	6.39E-06	0.000907	2.88E-08
3963	482863.09	3853877.25	0.64345	0.09628	0.07264	0.04448	1.17E-03	8.2E-06	0.00039	4.7E-08	0.00157	1.44E-03	1.00398E-05	0.000472	2.65E-08	1.92E-03	0.001267	7.72E-06	0.001016	2.74E-08
3964	483363.09	3853877.25	0.38051	0.13397	0.09774	0.05049	6.94E-04	1.1E-05	0.00052	5.4E-08	0.00122	8.50E-04	1.397E-05	0.000635	3.01E-08	1.50E-03	0.000749	1.07E-05	0.001367	3.11E-08
3965	483863.09	3853877.25	0.24869	0.12207	0.10611	0.05174	4.53E-04	1E-05	0.00056	5.5E-08	0.00103	5.56E-04	1.27291E-05	0.000689	3.09E-08	1.26E-03	0.00049	9.79E-06	0.001484	3.19E-08
3966	484363.09	3853877.25	0.16716	0.098	0.08844	0.03058	3.05E-04	8.3E-06	0.00047	3.3E-08	0.00078	3.73E-04	1.02192E-05	0.000574	1.83E-08	9.58E-04	0.000329	7.86E-06	0.001237	1.89E-08
3967	484863.09	3853877.25	0.10574	0.0621	0.05633	0.02011	1.93E-04	5.3E-06	0.0003	2.1E-08	0.0005	2.36E-04	6.47561E-06	0.000366	1.2E-08	6.09E-04	0.000208	4.98E-06	0.000788	1.24E-08
3968	485363.09	3853877.25	0.06318	0.04603	0.0289	0.01351	1.15E-04	3.9E-06	0.00015	1.4E-08	0.00027	1.41E-04	4.79988E-06	0.000188	8.06E-09	3.34E-04	0.000124	3.69E-06	0.000404	8.33E-09
3969	485863.09	3853877.25	0.07227	0.06728	0.03482	0.01351	1.32E-04	5.7E-06	0.00019	1.4E-08	0.00032	1.61E-04	7.01577E-06	0.000226	8.06E-09	3.95E-04	0.000142	5.4E-06	0.000487	8.33E-09
3970	486363.09	3853877.25	0.07315	0.08776	0.03795	0.0138	1.33E-04	7.5E-06	0.0002	1.5E-08	0.00034	1.63E-04	9.15136E-06	0.000246	8.24E-09	4.19E-04	0.000144	7.04E-06	0.000531	8.51E-09
3971	486863.09	3853877.25	0.07157	0.09503	0.04157	0.01467	1.30E-04	8.1E-06	0.00022	1.6E-08	0.00036	1.60E-04	9.90946E-06	0.00027	8.76E-09	4.40E-04	0.000141	7.62E-06	0.000582	9.05E-09
3972	487363.09	3853877.25	0.0769	0.10427	0.05079	0.01795	1.40E-04	8.9E-06	0.00027	1.9E-08	0.00042	1.72E-04	1.0873E-05	0.00033	1.07E-08	5.13E-04	0.000151	8.36E-06	0.000711	1.11E-08
3973	487863.09	3853877.25	0.0879	0.1158	0.06501	0.02319	1.60E-04	9.9E-06	0.00035	2.5E-08	0.00052	1.96E-04	1.20753E-05	0.000422	1.38E-08	6.31E-04	0.000173	9.29E-06	0.000909	1.43E-08
3974	488363.09	3853877.25	0.09099	0.11705	0.07314	0.02778	1.66E-04	1E-05	0.00039	3E-08	0.00056	2.03E-04	1.22056E-05	0.000475	1.66E-08	6.91E-04	0.000179	9.39E-06	0.001023	1.71E-08
3975	488863.09	3853877.25	0.096	0.11768	0.08285	0.03317	1.75E-04	1E-05	0.00044	3.5E-08	0.00063	2.14E-04	1.22713E-05	0.000538	1.98E-08	7.65E-04	0.000189	9.44E-06	0.001159	2.05E-08
3976	489363.09	3853877.25	0.08941	0.10456	0.08069	0.03502	1.63E-04	8.9E-06	0.00043	3.7E-08	0.0006	2.00E-04	1.09032E-05	0.000524	2.09E-08	7.35E-04	0.000176	8.39E-06	0.001129	2.16E-08
3977	489863.09	3853877.25	0.08945	0.10124	0.08399	0.03857	1.63E-04	8.6E-06	0.00045	4.1E-08	0.00062	2.00E-04	1.0557E-05	0.000546	2.3E-08	7.56E-04	0.000176	8.12E-06	0.001175	2.38E-08
3978	490363.09	3853877.25	0.08634	0.09367	0.08358	0.04059	1.57E-04	8E-06	0.00044	4.3E-08	0.00061	1.93E-04	9.76764E-06	0.000543	2.42E-08	7.46E-04	0.00017	7.51E-06	0.001169	2.5E-08
3979	490863.09	3853877.25	0.08513	0.08836	0.08473	0.04303	1.55E-04	7.5E-06	0.00045	4.6E-08	0.00061	1.90E-04	9.21393E-06	0.00055	2.57E-08	7.50E-04	0.000168	7.09E-06	0.001185	2.65E-08
3980	491363.09	3853877.25	0.08421	0.08434	0.08584	0.04521	1.54E-04	7.2E-06	0.00046	4.8E-08	0.00062	1.88E-04	8.79474E-06	0.000558	2.7E-08	7.54E-04	0.000166	6.77E-06	0.001201	2.79E-08
3981	491863.09	3853877.25	0.08285	0.08138	0.08607	0.04687	1.51E-04	6.9E-06	0.00046	5E-08	0.00062	1.85E-04	8.48608E-06	0.000559	2.8E-08	7.53E-04	0.000163	6.53E-06	0.001204	2.89E-08
3982	492363.09	3853877.25	0.08377	0.08279	0.08827	0.04996	1.53E-04	7E-06	0.00047	5.3E-08	0.00063	1.87E-04	8.63311E-06	0.000573	2.98E-08	7.69E-04	0.000165	6.64E-06	0.001235	3.08E-08
3983	492863.09	3853877.25	0.0826	0.08194	0.08778	0.05173	1.51E-04	7E-06	0.00047	5.5E-08	0.00062	1.85E-04	8.54447E-06	0.00057	3.09E-08	7.63E-04	0.000163	6.57E-06	0.001228	3.19E-08
3984	493363.09	3853877.25	0.07897	0.07723	0.0845	0.05147	1.44E-04	6.6E-06	0.00045	5.5E-08	0.0006	1.76E-04	8.05333E-06	0.000549	3.07E-08	7.33E-04	0.000156	6.2E-06	0.001182	3.17E-08
3985	493863.09	3853877.25	0.07446	0.0724	0.08003	0.05023	1.36E-04	6.2E-06	0.00043	5.4E-08	0.00057	1.66E-04	7.54967E-06	0.00052	3E-08	6.94E-04	0.000147	5.81E-06	0.00112	3.1E-08
3986	494363.09	3853877.25	0.07071	0.06932	0.0762	0.0492	1.29E-04	5.9E-06	0.0004	5.2E-08	0.00054	1.58E-04	7.22849E-06	0.000495	2.94E-08	6.60E-04	0.000139	5.56E-06	0.001066	3.03E-08
3987	494863.09	3853877.25	0.06568	0.06485	0.07085	0.04681	1.20E-04	5.5E-06	0.00038	5E-08	0.0005	1.47E-04	6.76237E-06	0.00046	2.79E-08	6.14E-04	0.000129	5.2E-06	0.000991	2.89E-08
3988	495363.09	3853877.25	0.05666	0.05611	0.06101	0.04137	1.03E-04	4.8E-06	0.00032	4.4E-08	0.00043	1.27E-04	5.85099E-06	0.000396	2.47E-08	5.29E-04	0.000112	4.5E-06	0.000853	2.55E-08
3989	495863.09	3853877.25	0.04962	0.04921	0.05328	0.03734	9.04E-05	4.2E-06	0.00028	4E-08	0.00038	1.11E-04	5.13148E-06	0.000346	2.23E-08	4.62E-04	9.77E-05	3.95E-06	0.000745	2.3E-08
3990	496363.09	3853877.25	0.04503	0.04466	0.04829	0.03477	8.21E-05	3.8E-06	0.00026	3.7E-08	0.00034	1.01E-04	4.65702E-06	0.000314	2.08E-08	4.19E-04	8.87E-05	3.58E-06	0.000676	2.14E-08
3991	496863.09	3853877.25	0.03781	0.03754	0.04061	0.03048	6.89E-05	3.2E-06	0.00022	3.3E-08	0.00029	8.45E-05	3.91457E-06	0.000264	1.82E-08	3.52E-04	7.45E-05	3.01E-06	0.000568	1.88E-08
3992	497363.09	3853877.25	0.03217	0.03208	0.03445	0.027	5.86E-05	2.7E-06	0.00018	2.9E-08	0.00024	7.19E-05	3.34521E-06	0.000224	1.61E-08	2.99E-04	6.34E-05	2.57E-06	0.000482	1.66E-08
3993	497863.09	3853877.25	0.02531	0.02532	0.02698	0.02248	4.61E-05	2.2E-06	0.00014	2.4E-08	0.00019	5.65E-05	2.6403E-06	0.000175	1.34E-08	2.34E-04	4.98E-05	2.03E-06	0.000377	1.39E-08
3994	498363.09	3853877.25	0.02149	0.02159	0.02284	0.0197	3.92E-05	1.8E-06	0.00012	2.1E-08	0.00016	4.80E-05	2.25134E-06	0.000148	1.18E-08	1.99E-04	4.23E-05	1.73E-06	0.00032	1.21E-08
3995	471363.09	3854377.25	0.00822	0.00892	0.00821	0.00578	1.50E-05	7.6E-07	4.4E-05	6.2E-09	5.9E-05	1.84E-05	9.30152E-07	5.33E-05	3.45E-09	7.26E-05	1.62E-05	7.16E-07	0.000115	3.56E-09
3996	471863.09	3854377.25	0.00901	0.00987	0.009	0.00633	1.64E-05	8.4E-07	4.8E-05	6.8E-09	6.5E-05	2.01E-05	1.02922E-06	5.85E-05	3.78E-09	7.96E-05	1.77E-05	7.92E-07	0.000126	3.9E-09
3997	472363.09	3854377.25	0.00964	0.01063	0.00967	0.00672	1.76E-05	9E-07	5.1E-05	7.2E-09	7E-05	2.15E-05	1.10847E-06	6.28E-05	4.01E-09	8.55E-05	1.9E-05	8.53E-07	0.000135	4.14E-09
3998	472863.09	3854377.25	0.01018	0.01121	0.01029	0.007	1.86E-05	9.5E-07	5.5E-05	7.5E-09	7.4E-05	2.27E-05	1.16895E-06	6.68E-05	4.18E-09	9.07E-05	2E-05	8.99E-07	0.000144	4.32E-09
3999	473363.09	3854377.25	0.01092	0.0119	0.01111	0.00742	1.99E-05	1E-06	5.9E-05	7.9E-09	8E-05	2.44E-05	1.2409E-06	7.22E-05	4.43E-09	9.78E-05	2.15E-05	9.55E-07	0.000155	4.57E-09
4000	473863.09	3854377.25	0.01184	0.01265	0.0121	0.00795	2.16E-05	1.1E-06	6.4E-05	8.5E-09	8.7E-05	2.64E-05	1.31911E-06	7.86E-05	4.74E-09	1.06E-04	2.33E-05	1.01E-06	0.000169	4.9E-09
4001	474363.09	3854377.25	0.01278	0.01333	0.01311	0.00845	2.33E-05	1.1E-06	7E-05	9E-09	9.4E-05	2.85E-05	1.39001E-06	8.52E-05	5.04E-09	1.15E-04	2.52E-05	1.07E-06	0.000183	5.21E-09
4002	474863.09	3854377.25	0.01272	0.0129	0.01314	0.00811	2.32E-05	1.1E-06	7E-05	8.7E-09	9.4E-05	2.84E-05	1.34518E-06	8.53E-05	4.84E-09	1.15E-04	2.51E-05	1.03E-06	0.000184	5E-09
4003	475363.09	3854377.25	0.01145	0.01135	0.01198	0.00718	2.09E-05	9.7E-07	6.4E-05	7.7E-09	8.5E-05	2.56E-05	1.18355E-06	7.78E-05	4.29E-09	1.05E-04	2.26E-05	9.1E-07	0.000168	4.43E-09
4004	475863.09	3854377.25	0.00801	0.00793	0.00837	0.00564	1.46E-05	6.7E-07	4.4E-05	6E-09	6E-05	1.79E-05	8.26918E-07	5.44E-05	3.37E-09	7.31E-05	1.58E-05	6.36E-07	0.000117	3.48E-09
4005	476363.09	3854377.25	0.00722	0.0072	0.00748	0.00542	1.32E-05	6.1E-07	4E-05	5.8E-09	5.4E-05	1.61E-05	7.50796E-07	4.86E-05	3.23E-09	6.55E-05	1.42E-05	5.78E-07	0.000105	3.34E-09
4006	476863.09	3854377.25	0.00701	0.00709	0.00722	0.00544	1.28E-05	6E-07	3.8E-05	5.8E-09	5.2E-05	1.57E-05	7.39325E-07	4.69E-05	3.25E-09	6.33E-05	1.38E-05	5.69E-07	0.000101	3.35E-09
4007	477363.09	3854377.25	0.00703	0.00721	0.0072	0.00554	1.28E-05	6.1E-07	3.8E-05	5.9E-09	5.2E-05	1.57E-05	7.51838E-07	4.68E-05	3.31E-09	6.32E-05	1.38E-05	5.78E-07	0.000101	3.42E-09
4008	477863.09	3854377.25	0.00726	0.00755	0.00743	0.00576	1.32E-05	6.4E-07	3.9E-05	6.1E-09	5.3E-05	1.62E-05	7.87293E-07	4.83E-05	3.44E-09	6.53E-05	1.43E-05	6.06E-07	0.000104	3.55E-09
4009	478363.09	3854377.25	0.0087	0.00907	0.00895	0.00657	1.59E-05	7.7E-07	4.8E-05	7E-09	6.4E-05	1.94E-05	9.45794E-07	5.81E-05	3.92E-09	7.85E-05	1.71E-05	7.28E-07	0.000125	4.05E-09
4010	478863.09	3854377.25	0.00968	0.01009	0.00998	0.00708	1.76E-05	8.6E-07	5.3E-05	7.6E-09	7.2E-05	2.16E-05	1.05216E-06	6.48E-05	4.23E-09	8.75E-05	1.91E-05	8.09E-07	0.00014	4.37E-09
4011	479363.09	3854377.25	0.01576	0.01573	0.01627	0.00956	2.87E-05	1.3E-06	8.6E-05	1E-08	0.00012	3.52E-05	1.64028E-06	0.000106	5.71E-09	1.43E-04	3.1E-05	1.26E-06	0.000228	5.89E-09
4012	479863.09	3854377.25	0.02153	0.02101	0.02193	0.01153	3.92E-05	1.8E-06	0.00012	1.2E-08	0.00016	4.81E-05	2.19086E-06	0.000142	6.88E-09	1.93E-04	4.24E-05	1.69E-06	0.000307	7.11E-09
4013	480363.09	3854377.25	0.03206	0.03216	0.0315	0.01496	5.84E-05	2.7E-06	0.00017	1.6E-08	0.00023	7.16E-05	3.35355E-06	0.000205	8.93E-09	2.80E-04	6.31E-05	2.58E-06	0.000441	9.22E-09
4014	480863.09	3854377.25	0.05108	0.05515	0.04671	0.02202	9.31E-05	4.7E-06	0.00025	2.3E-08	0.00035	1.14E-04	5.75089E-06	0.000303	1.31E-08	4.23E-04	0.000101	4.42E-06	0.000653	1.36E-08
4015	481363.09	3854377.25	0.07382	0.07955	0.05969	0.0322	1.35E-04	6.8E-06	0.00032	3.4E-08	0.00046	1.65E-04	8.29525E-06	0.000388	1.92E-08	5.61E-04	0.000145	6.38E-06	0.000835	1.99E-08
4016	481863.09	3854377.25	0.09937	0.09281	0.06822	0.04978	1.81E-04	7.9E-06	0.00036	5.3E-08	0.00055	2.22E-04	9.67796E-06	0.000443	2.97E-08	6.75E-04	0.000196	7.45E-06	0.000954	3.07E-08
4017	482363.09	3854377.25	0.14131	0.11362	0.07985	0.0574	2.58E-04	9.7E-06	0.00042	6.1E-08	0.00069	3.16E-04	1.1848E-05	0.000519	3.43E-08	8.46E-04	0.000278	9.11E-06	0.001117	3.54E-08
4018	482863.09	3854377.25	0.29939	0.15253	0.10084	0.06512	5.46E-04	1.3E-05	0.00054	6.9E-08	0.00109	6.69E-04	1.59054E-05	0.000655	3.89E-08	1.34E-03	0.00059	1.22E-05	0.001411	4.02E-08
4019	483363.09	3854377.25	0.87784	0.23678	0.12889	0.06259	1.60E-03	2E-05	0.00068	6.7E-08	0.00231	1.96E-03	2.46907E-05	0.000837	3.74E-08	2.82E-03	0.001729	1.9E-05	0.001803	3.86E-08
4020	483863.09	3854377.25	0.43697	0.30568	0.17304	0.04988	7.97E-04	2.6E-05	0.00092	5.3E-08	0.00174	9.76E-04	3.18754E-05	0.001124	2.98E-08	2.13E-03	0.000861	2.45E-05	0.002421	3.08E-08
4021	484363.09	3854377.25	0.2614	0.16232	0.12456	0.03765	4.76E-04	1.4E-05	0.00066	4E-08	0.00115	5.84E-04	1.69263E-05	0.000809	2.25E-08	1.41E-03	0.000515	1.3E-05	0.001742	2.32E-08
4022	484863.09	3854377.25	0.16312	0.13328	0.06256	0.02493	2.97E-04	1.1E-05	0.00033	2.7E-08	0.00064	3.64E-04	1.38981E-05	0.000406	1.49E-08	7.85E-04	0.000321	1.07E-05	0.000875	1.54E-08

4023	485363.09	3854377.25	0.21168	0.26092	0.09109	0.02547	3.86E-04	2.2E-05	0.00048	2.7E-08	0.00089	4.73E-04	2.7208E-05	0.000592	1.52E-08	1.09E-03	0.000417	2.09E-05	0.001274	1.57E-08
4024	485863.09	3854377.25	0.16725	0.25534	0.08653	0.02279	3.05E-04	2.2E-05	0.00046	2.4E-08	0.00079	3.74E-04	2.66261E-05	0.000562	1.36E-08	9.62E-04	0.000329	2.05E-05	0.00121	1.41E-08
4025	486363.09	3854377.25	0.17479	0.2745	0.11053	0.0284	3.19E-04	2.3E-05	0.00059	3E-08	0.00093	3.90E-04	2.86241E-05	0.000718	1.7E-08	1.14E-03	0.000344	2.2E-05	0.001546	1.75E-08
4026	486863.09	3854377.25	0.1576	0.24071	0.11401	0.03427	2.87E-04	2E-05	0.00061	3.7E-08	0.00091	3.52E-04	2.51006E-05	0.000741	2.05E-08	1.12E-03	0.00031	1.93E-05	0.001595	2.11E-08
4027	487363.09	3854377.25	0.15816	0.22526	0.12736	0.04234	2.88E-04	1.9E-05	0.00068	4.5E-08	0.00098	3.53E-04	2.34895E-05	0.000827	2.53E-08	1.20E-03	0.000311	1.81E-05	0.001782	2.61E-08
4028	487863.09	3854377.25	0.16341	0.21554	0.14327	0.05141	2.98E-04	1.8E-05	0.00076	5.5E-08	0.00108	3.65E-04	2.24759E-05	0.000931	3.07E-08	1.32E-03	0.000322	1.73E-05	0.002004	3.17E-08
4029	488363.09	3854377.25	0.16088	0.19712	0.14994	0.0586	2.93E-04	1.7E-05	0.0008	6.3E-08	0.00111	3.59E-04	2.05551E-05	0.000974	3.5E-08	1.35E-03	0.000317	1.58E-05	0.002098	3.61E-08
4030	488863.09	3854377.25	0.15631	0.17857	0.15253	0.06459	2.85E-04	1.5E-05	0.00081	6.9E-08	0.00111	3.49E-04	1.86208E-05	0.000991	3.86E-08	1.36E-03	0.000308	1.43E-05	0.002134	3.98E-08
4031	489363.09	3854377.25	0.14954	0.16253	0.15081	0.06848	2.73E-04	1.4E-05	0.0008	7.3E-08	0.00109	3.34E-04	1.69482E-05	0.00098	4.09E-08	1.33E-03	0.000295	1.3E-05	0.00211	4.22E-08
4032	489863.09	3854377.25	0.14143	0.14644	0.14612	0.07055	2.58E-04	1.2E-05	0.00078	7.5E-08	0.00105	3.16E-04	1.52703E-05	0.000949	4.21E-08	1.28E-03	0.000279	1.17E-05	0.002044	4.35E-08
4033	490363.09	3854377.25	0.13246	0.13007	0.13954	0.07085	2.41E-04	1.1E-05	0.00074	7.6E-08	0.00099	2.96E-04	1.35633E-05	0.000906	4.23E-08	1.22E-03	0.000261	1.04E-05	0.001952	4.37E-08
4034	490863.09	3854377.25	0.10855	0.10303	0.11572	0.06141	1.98E-04	8.8E-06	0.00061	6.6E-08	0.00082	2.42E-04	1.07437E-05	0.000752	3.67E-08	1.00E-03	0.000214	8.26E-06	0.001619	3.79E-08
4035	491363.09	3854377.25	0.11388	0.10698	0.12323	0.06773	2.08E-04	9.1E-06	0.00065	7.2E-08	0.00087	2.54E-04	1.11556E-05	0.0008	4.04E-08	1.07E-03	0.000224	8.58E-06	0.001724	4.18E-08
4036	491863.09	3854377.25	0.11528	0.10987	0.12588	0.07283	2.10E-04	9.3E-06	0.00067	7.8E-08	0.00089	2.58E-04	1.14569E-05	0.000818	4.35E-08	1.09E-03	0.000227	8.81E-06	0.001761	4.49E-08
4037	492363.09	3854377.25	0.11215	0.10673	0.12316	0.07471	2.04E-04	9.1E-06	0.00065	8E-08	0.00087	2.51E-04	1.11295E-05	0.0008	4.46E-08	1.06E-03	0.000221	8.56E-06	0.001723	4.61E-08
4038	492863.09	3854377.25	0.10612	0.10083	0.11693	0.07347	1.93E-04	8.6E-06	0.00062	7.8E-08	0.00082	2.37E-04	1.05143E-05	0.000759	4.39E-08	1.01E-03	0.000209	8.09E-06	0.001636	4.53E-08
4039	493363.09	3854377.25	0.09878	0.0951	0.10895	0.07026	1.80E-04	8.1E-06	0.00058	7.5E-08	0.00077	2.21E-04	9.91676E-06	0.000708	4.19E-08	9.38E-04	0.000195	7.63E-06	0.001524	4.33E-08
4040	493863.09	3854377.25	0.09155	0.08929	0.10096	0.06652	1.67E-04	7.6E-06	0.00054	7.1E-08	0.00071	2.04E-04	9.31091E-06	0.000656	3.97E-08	8.70E-04	0.00018	7.16E-06	0.001412	4.1E-08
4041	494363.09	3854377.25	0.08493	0.0834	0.09351	0.06286	1.55E-04	7.1E-06	0.0005	6.7E-08	0.00066	1.90E-04	8.69672E-06	0.000607	3.75E-08	8.06E-04	0.000167	6.69E-06	0.001308	3.88E-08
4042	494863.09	3854377.25	0.06963	0.06826	0.07635	0.05211	1.27E-04	5.8E-06	0.00041	5.6E-08	0.00054	1.56E-04	7.11796E-06	0.000496	3.11E-08	6.59E-04	0.000137	5.48E-06	0.001068	3.21E-08
4043	495363.09	3854377.25	0.05489	0.05391	0.05984	0.0428	1.00E-04	4.6E-06	0.00032	4.6E-08	0.00042	1.23E-04	5.62158E-06	0.000389	2.55E-08	5.17E-04	0.000108	4.32E-06	0.000837	2.64E-08
4044	495863.09	3854377.25	0.04561	0.04511	0.04969	0.03716	8.31E-05	3.8E-06	0.00026	4E-08	0.00035	1.02E-04	4.70394E-06	0.000323	2.22E-08	4.29E-04	8.98E-05	3.62E-06	0.000695	2.29E-08
4045	496363.09	3854377.25	0.04105	0.04094	0.04457	0.03432	7.48E-05	3.5E-06	0.00024	3.7E-08	0.00032	9.17E-05	4.26911E-06	0.000289	2.05E-08	3.85E-04	8.08E-05	3.28E-06	0.000623	2.12E-08
4046	496863.09	3854377.25	0.03558	0.03569	0.03847	0.03072	6.49E-05	3E-06	0.0002	3.3E-08	0.00027	7.95E-05	3.72165E-06	0.00025	1.83E-08	3.33E-04	7.01E-05	2.86E-06	0.000538	1.89E-08
4047	497363.09	3854377.25	0.02798	0.02827	0.03007	0.02548	5.10E-05	2.4E-06	0.00016	2.7E-08	0.00021	6.25E-05	2.94792E-06	0.000195	1.52E-08	2.61E-04	5.51E-05	2.27E-06	0.000421	1.57E-08
4048	497863.09	3854377.25	0.0284	0.0289	0.03046	0.02571	5.18E-05	2.5E-06	0.00016	2.7E-08	0.00022	6.34E-05	3.01361E-06	0.000198	1.53E-08	2.64E-04	5.59E-05	2.32E-06	0.000426	1.59E-08
4049	498363.09	3854377.25	0.02437	0.02497	0.02601	0.02268	4.44E-05	2.1E-06	0.00014	2.4E-08	0.00018	5.44E-05	2.6038E-06	0.000169	1.35E-08	2.26E-04	4.8E-05	2E-06	0.000364	1.4E-08
4050	471363.09	3854877.25	0.00842	0.00883	0.00863	0.00584	1.53E-05	7.5E-07	4.6E-05	6.2E-09	6.2E-05	1.88E-05	9.20767E-07	5.61E-05	3.49E-09	7.58E-05	1.66E-05	7.08E-07	0.000121	3.6E-09
4051	471863.09	3854877.25	0.00907	0.0095	0.00927	0.00629	1.65E-05	8.1E-07	4.9E-05	6.7E-09	6.7E-05	2.03E-05	9.90633E-07	6.02E-05	3.75E-09	8.15E-05	1.79E-05	7.62E-07	0.00013	3.88E-09
4052	472363.09	3854877.25	0.00968	0.01016	0.00987	0.00668	1.76E-05	8.6E-07	5.2E-05	7.1E-09	7.1E-05	2.16E-05	1.05946E-06	6.41E-05	3.99E-09	8.68E-05	1.91E-05	8.15E-07	0.000138	4.12E-09
4053	472863.09	3854877.25	0.01005	0.01064	0.01025	0.00686	1.83E-05	9.1E-07	5.4E-05	7.3E-09	7.4E-05	2.24E-05	1.10951E-06	6.66E-05	4.09E-09	9.01E-05	1.98E-05	8.54E-07	0.000143	4.23E-09
4054	473363.09	3854877.25	0.01099	0.01176	0.01117	0.00749	2.00E-05	1E-06	5.9E-05	8E-09	8E-05	2.45E-05	1.2263E-06	7.26E-05	4.47E-09	9.83E-05	2.16E-05	9.43E-07	0.000156	4.62E-09
4055	473863.09	3854877.25	0.01192	0.01293	0.0121	0.00808	2.17E-05	1.1E-06	6.4E-05	8.6E-09	8.7E-05	2.66E-05	1.3483E-06	7.86E-05	4.82E-09	1.07E-04	2.35E-05	1.04E-06	0.000169	4.98E-09
4056	474363.09	3854877.25	0.01312	0.01443	0.01331	0.00888	2.39E-05	1.2E-06	7.1E-05	9.5E-09	9.6E-05	2.93E-05	1.50472E-06	8.65E-05	5.3E-09	1.17E-04	2.58E-05	1.16E-06	0.000186	5.48E-09
4057	474863.09	3854877.25	0.01174	0.01305	0.01218	0.00753	2.14E-05	1.1E-06	6.5E-05	8E-09	8.7E-05	2.62E-05	1.36082E-06	7.91E-05	4.49E-09	1.07E-04	2.31E-05	1.05E-06	0.00017	4.64E-09
4058	475363.09	3854877.25	0.00948	0.01033	0.00997	0.00625	1.73E-05	8.8E-07	5.3E-05	6.7E-09	7.1E-05	2.12E-05	1.07718E-06	6.48E-05	3.73E-09	8.70E-05	1.87E-05	8.29E-07	0.000139	3.85E-09
4059	475863.09	3854877.25	0.00715	0.0076	0.0075	0.00525	1.30E-05	6.5E-07	4E-05	5.6E-09	5.4E-05	1.60E-05	7.92507E-07	4.87E-05	3.13E-09	6.55E-05	1.41E-05	6.1E-07	0.000105	3.24E-09
4060	476363.09	3854877.25	0.00457	0.00479	0.00471	0.00408	8.33E-06	4.1E-07	2.5E-05	4.4E-09	3.4E-05	1.02E-05	4.99488E-07	3.06E-05	2.44E-09	4.13E-05	9E-06	3.84E-07	6.59E-05	2.52E-09
4061	476863.09	3854877.25	0.00457	0.00479	0.0047	0.00413	8.33E-06	4.1E-07	2.5E-05	4.4E-09	3.4E-05	1.02E-05	4.99488E-07	3.05E-05	2.46E-09	4.12E-05	9E-06	3.84E-07	6.57E-05	2.55E-09
4062	477363.09	3854877.25	0.00565	0.00588	0.00584	0.00484	1.03E-05	5E-07	3.1E-05	5.2E-09	4.2E-05	1.26E-05	6.1315E-07	3.79E-05	2.89E-09	5.12E-05	1.11E-05	4.72E-07	8.17E-05	2.98E-09
4063	477863.09	3854877.25	0.00675	0.00695	0.00699	0.0055	1.23E-05	5.9E-07	3.7E-05	5.9E-09	5E-05	1.51E-05	7.24726E-07	4.54E-05	3.28E-09	6.12E-05	1.33E-05	5.58E-07	9.78E-05	3.39E-09
4064	478363.09	3854877.25	0.00939	0.00962	0.00973	0.00687	1.71E-05	8.2E-07	5.2E-05	7.3E-09	7E-05	2.10E-05	1.00315E-06	6.32E-05	4.1E-09	8.52E-05	1.85E-05	7.72E-07	0.000136	4.24E-09
4065	478863.09	3854877.25	0.01397	0.01441	0.01428	0.00894	2.55E-05	1.2E-06	7.6E-05	9.5E-09	0.0001	3.12E-05	1.50263E-06	9.28E-05	5.34E-09	1.25E-04	2.75E-05	1.16E-06	0.0002	5.51E-09
4066	479363.09	3854877.25	0.02106	0.02202	0.02158	0.01184	3.84E-05	1.9E-06	0.00011	1.3E-08	0.00015	4.70E-05	2.29618E-06	0.00014	7.07E-09	1.90E-04	4.15E-05	1.77E-06	0.000302	7.3E-09
4067	479863.09	3854877.25	0.03089	0.03261	0.0318	0.0157	5.63E-05	2.8E-06	0.00017	1.7E-08	0.00023	6.90E-05	3.40048E-06	0.000207	9.37E-09	2.79E-04	6.08E-05	2.62E-06	0.000445	9.68E-09
4068	480363.09	3854877.25	0.04137	0.04314	0.04187	0.01988	7.54E-05	3.7E-06	0.00022	2.1E-08	0.0003	9.24E-05	4.49852E-06	0.000272	1.19E-08	3.69E-04	8.15E-05	3.46E-06	0.000586	1.23E-08
4069	480863.09	3854877.25	0.05958	0.06061	0.05655	0.02837	1.09E-04	5.2E-06	0.0003	3E-08	0.00041	1.33E-04	6.32024E-06	0.000367	1.69E-08	5.07E-04	0.000117	4.86E-06	0.000791	1.75E-08
4070	481363.09	3854877.25	0.07742	0.07807	0.0689	0.0359	1.41E-04	6.6E-06	0.00037	3.8E-08	0.00051	1.73E-04	8.14092E-06	0.000448	2.14E-08	6.29E-04	0.000152	6.26E-06	0.000964	2.21E-08
4071	481863.09	3854877.25	0.09125	0.09672	0.07931	0.03542	1.66E-04	8.2E-06	0.00042	3.8E-08	0.0006	2.04E-04	1.00857E-05	0.000515	2.11E-08	7.29E-04	0.00018	7.76E-06	0.001109	2.18E-08
4072	482363.09	3854877.25	0.13426	0.13196	0.09839	0.07353	2.45E-04	1.1E-05	0.00052	7.8E-08	0.00078	3.00E-04	1.37604E-05	0.000639	4.39E-08	9.53E-04	0.000264	1.06E-05	0.001376	4.53E-08
4073	482863.09	3854877.25	0.20083	0.21024	0.13017	0.08791	3.66E-04	1.8E-05	0.00069	9.4E-08	0.00108	4.49E-04	2.19232E-05	0.000845	5.25E-08	1.32E-03	0.000396	1.69E-05	0.001821	5.42E-08
4074	483363.09	3854877.25	0.34054	0.40967	0.1849	0.10647	6.21E-04	3.5E-05	0.00098	1.1E-07	0.00164	7.61E-04	4.27192E-05	0.001201	6.35E-08	2.00E-03	0.000671	3.29E-05	0.002587	6.56E-08
4075	483863.09	3854877.25	1.09843	2.0672	0.33166	0.09767	2.00E-03	0.00018	0.00176	1E-07	0.00394	2.45E-03	0.000215562	0.002154	5.83E-08	4.82E-03	0.002163	0.000166	0.00464	6.02E-08
4076	484363.09	3854877.25	4.27473	8.11118	0.80099	0.0856	7.79E-03	0.00069	0.00426	9.1E-08	0.01274	9.55E-03	0.000845811	0.005203	5.11E-08	1.56E-02	0.008419	0.000651	0.011205	5.28E-08
4077	484863.09	3854877.25	1.74407	3.3748	0.99379	0.07988	3.18E-03	0.00029	0.00528	8.5E-08	0.00875	3.90E-03	0.000351915	0.006455	4.77E-08	1.07E-02	0.003435	0.000271	0.013902	4.93E-08
4078	485363.09	3854877.25	0.84774	1.7116	0.65706	0.07365	1.55E-03	0.00015	0.00349	7.9E-08	0.00518	1.89E-03	0.000178481	0.004268	4.4E-08	6.34E-03	0.00167	0.000137	0.009192	4.54E-08
4079	485863.09	3854877.25	0.54814	0.96354	0.47431	0.09219	9.99E-04	8.2E-05	0.00252	9.8E-08	0.0036	1.22E-03	0.000100475	0.003081	5.5E-08	4.41E-03	0.00108	7.73E-05	0.006635	5.68E-08
4080	486363.09	3854877.25	0.40116	0.61373	0.37108	0.10153	7.31E-04	5.2E-05	0.00197	1.1E-07	0.00276	8.96E-04	6.3998E-05	0.00241	6.06E-08	3.37E-03	0.00079	4.92E-05	0.005191	6.26E-08
4081	486863.09	3854877.25	0.32295	0.44053	0.31331	0.10521	5.89E-04	3.7E-05	0.00166	1.1E-07	0.00229	7.21E-04	4.59372E-05	0.002035	6.28E-08	2.80E-03	0.000636	3.53E-05	0.004383	6.49E-08
4082	487363.09	3854877.25	0.29606	0.35889	0.30083	0.11243	5.40E-04	3.1E-05	0.0016	1.2E-07	0.00217	6.61E-04	3.7424E-05	0.001954	6.71E-08	2.65E-03	0.000583	2.88E-05	0.004208	6.93E-08
4083	487863.09	3854877.25	0.27357	0.30065	0.28784	0.11749	4.99E-04	2.6E-05	0.00153	1.3E-07	0.00205	6.11E-04	3.13509E-05	0.00187	7.01E-08	2.51E-03	0.000539	2.41E-05	0.004027	7.24E-08

4084	488363.09	3854877.25	0.25486	0.25615	0.27551	0.1218	4.65E-04	2.2E-05	0.00146	1.3E-07	0.00195	5.69E-04	2.67106E-05	0.00179	7.27E-08	2.39E-03	0.000502	2.05E-05	0.003854	7.51E-08
4085	488863.09	3854877.25	0.23958	0.22581	0.26441	0.12696	4.37E-04	1.9E-05	0.0014	1.4E-07	0.00186	5.35E-04	2.35468E-05	0.001717	7.58E-08	2.28E-03	0.000472	1.81E-05	0.003699	7.83E-08
4086	489363.09	3854877.25	0.22064	0.19982	0.2466	0.12641	4.02E-04	1.7E-05	0.00131	1.3E-07	0.00173	4.93E-04	2.08367E-05	0.001602	7.54E-08	2.12E-03	0.000435	1.6E-05	0.00345	7.79E-08
4087	489863.09	3854877.25	0.1974	0.17064	0.22266	0.1178	3.60E-04	1.5E-05	0.00118	1.3E-07	0.00156	4.41E-04	1.77939E-05	0.001446	7.03E-08	1.91E-03	0.000389	1.37E-05	0.003115	7.26E-08
4088	490363.09	3854877.25	0.15016	0.12829	0.1699	0.09151	2.74E-04	1.1E-05	0.0009	9.8E-08	0.00119	3.35E-04	1.33777E-05	0.001104	5.46E-08	1.45E-03	0.000296	1.03E-05	0.002377	5.64E-08
4089	490863.09	3854877.25	0.10511	0.09097	0.11874	0.07054	1.92E-04	7.7E-06	0.00063	7.5E-08	0.00083	2.35E-04	9.48609E-06	0.000771	4.21E-08	1.02E-03	0.000207	7.3E-06	0.001661	4.35E-08
4090	491363.09	3854877.25	0.11039	0.09679	0.1254	0.07459	2.01E-04	8.2E-06	0.00067	8E-08	0.00088	2.47E-04	1.0093E-05	0.000815	4.45E-08	1.07E-03	0.000217	7.76E-06	0.001754	4.6E-08
4091	491863.09	3854877.25	0.1466	0.13063	0.16761	0.10505	2.67E-04	1.1E-05	0.00089	1.1E-07	0.00117	3.27E-04	1.36217E-05	0.001089	6.27E-08	1.43E-03	0.000289	1.05E-05	0.002345	6.48E-08
4092	492363.09	3854877.25	0.1395	0.12732	0.15903	0.10565	2.54E-04	1.1E-05	0.00084	1.1E-07	0.00111	3.12E-04	1.32766E-05	0.001033	6.31E-08	1.36E-03	0.000275	1.02E-05	0.002225	6.51E-08
4093	492863.09	3854877.25	0.12868	0.12009	0.14629	0.09956	2.35E-04	1E-05	0.00078	1.1E-07	0.00102	2.87E-04	1.25226E-05	0.00095	5.94E-08	1.25E-03	0.000253	9.63E-06	0.002046	6.14E-08
4094	493363.09	3854877.25	0.11725	0.11085	0.13286	0.09128	2.14E-04	9.4E-06	0.00071	9.7E-08	0.00093	2.62E-04	1.15591E-05	0.000863	5.45E-08	1.14E-03	0.000231	8.89E-06	0.001859	5.63E-08
4095	493863.09	3854877.25	0.10763	0.10278	0.12151	0.08478	1.96E-04	8.7E-06	0.00065	9E-08	0.00085	2.40E-04	1.07176E-05	0.000789	5.06E-08	1.04E-03	0.000212	8.24E-06	0.0017	5.23E-08
4096	494363.09	3854877.25	0.08403	0.08068	0.09456	0.0656	1.53E-04	6.9E-06	0.0005	7E-08	0.00066	1.88E-04	8.41308E-06	0.000614	3.92E-08	8.10E-04	0.000165	6.47E-06	0.001323	4.04E-08
4097	494863.09	3854877.25	0.06099	0.05936	0.068	0.05003	1.11E-04	5.1E-06	0.00036	5.3E-08	0.00048	1.36E-04	6.18989E-06	0.000442	2.99E-08	5.84E-04	0.00012	4.76E-06	0.000951	3.08E-08
4098	495363.09	3854877.25	0.04796	0.04731	0.05306	0.04142	8.74E-05	4E-06	0.00028	4.4E-08	0.00037	1.07E-04	4.93335E-06	0.000345	2.47E-08	4.57E-04	9.45E-05	3.8E-06	0.000742	2.55E-08
4099	495863.09	3854877.25	0.04088	0.04075	0.04494	0.0365	7.45E-05	3.5E-06	0.00024	3.9E-08	0.00032	9.13E-05	4.24929E-06	0.000292	2.18E-08	3.87E-04	8.05E-05	3.27E-06	0.000629	2.25E-08
4100	496363.09	3854877.25	0.03259	0.03286	0.03555	0.0305	5.94E-05	2.8E-06	0.00019	3.3E-08	0.00025	7.28E-05	3.42655E-06	0.000231	1.82E-08	3.07E-04	6.42E-05	2.64E-06	0.000497	1.88E-08
4101	496863.09	3854877.25	0.02778	0.02824	0.03011	0.02661	5.06E-05	2.4E-06	0.00016	2.8E-08	0.00021	6.21E-05	2.94479E-06	0.000196	1.59E-08	2.61E-04	5.47E-05	2.27E-06	0.000421	1.64E-08
4102	497363.09	3854877.25	0.02603	0.02661	0.02808	0.02512	4.74E-05	2.3E-06	0.00015	2.7E-08	0.0002	5.81E-05	2.77482E-06	0.000182	1.5E-08	2.43E-04	5.13E-05	2.13E-06	0.000393	1.55E-08
4103	497863.09	3854877.25	0.02796	0.02864	0.02998	0.02651	5.10E-05	2.4E-06	0.00016	2.8E-08	0.00021	6.25E-05	2.9865E-06	0.000195	1.58E-08	2.60E-04	5.51E-05	2.3E-06	0.000419	1.63E-08
4104	498363.09	3854877.25	0.02674	0.02751	0.02867	0.0255	4.87E-05	2.3E-06	0.00015	2.7E-08	0.0002	5.97E-05	2.86867E-06	0.000186	1.52E-08	2.49E-04	5.27E-05	2.21E-06	0.000401	1.57E-08
4105	471363.09	3855377.25	0.00846	0.008	0.00869	0.00609	1.54E-05	6.8E-07	4.6E-05	6.5E-09	6.2E-05	1.89E-05	8.34217E-07	5.64E-05	3.63E-09	7.62E-05	1.67E-05	6.42E-07	0.000122	3.75E-09
4106	471863.09	3855377.25	0.00891	0.00844	0.00914	0.00634	1.62E-05	7.2E-07	4.9E-05	6.8E-09	6.6E-05	1.99E-05	8.80099E-07	5.94E-05	3.78E-09	8.02E-05	1.75E-05	6.77E-07	0.000128	3.91E-09
4107	472363.09	3855377.25	0.00964	0.00913	0.00987	0.00683	1.76E-05	7.8E-07	5.2E-05	7.3E-09	7.1E-05	2.15E-05	9.52051E-07	6.41E-05	4.08E-09	8.66E-05	1.9E-05	7.32E-07	0.000138	4.21E-09
4108	472863.09	3855377.25	0.01014	0.00961	0.01038	0.00708	1.85E-05	8.2E-07	5.5E-05	7.6E-09	7.4E-05	2.27E-05	1.0021E-06	6.74E-05	4.23E-09	9.11E-05	2E-05	7.71E-07	0.000145	4.37E-09
4109	473363.09	3855377.25	0.01115	0.01052	0.01136	0.0078	2.03E-05	9E-07	6E-05	8.3E-09	8.2E-05	2.49E-05	1.097E-06	7.38E-05	4.66E-09	9.98E-05	2.2E-05	8.44E-07	0.000159	4.81E-09
4110	473863.09	3855377.25	0.01209	0.01137	0.01228	0.00843	2.20E-05	9.7E-07	6.5E-05	9E-09	8.8E-05	2.70E-05	1.18563E-06	7.98E-05	5.03E-09	1.08E-04	2.38E-05	9.12E-07	0.000172	5.2E-09
4111	474363.09	3855377.25	0.01305	0.01226	0.01323	0.00901	2.38E-05	1E-06	7E-05	9.6E-09	9.5E-05	2.92E-05	1.27844E-06	8.59E-05	5.38E-09	1.16E-04	2.57E-05	9.83E-07	0.000185	5.56E-09
4112	474863.09	3855377.25	0.01185	0.01135	0.01219	0.00776	2.16E-05	9.7E-07	6.5E-05	8.3E-09	8.7E-05	2.65E-05	1.18355E-06	7.92E-05	4.63E-09	1.07E-04	2.33E-05	9.1E-07	0.000171	4.78E-09
4113	475363.09	3855377.25	0.00605	0.00622	0.00628	0.00461	1.10E-05	5.3E-07	3.3E-05	4.9E-09	4.5E-05	1.35E-05	6.48604E-07	4.08E-05	2.75E-09	5.50E-05	1.19E-05	4.99E-07	8.79E-05	2.84E-09
4114	475863.09	3855377.25	0.00453	0.00477	0.00467	0.00392	8.26E-06	4.1E-07	2.5E-05	4.2E-09	3.3E-05	1.01E-05	4.97402E-07	3.03E-05	2.34E-09	4.10E-05	8.92E-06	3.83E-07	6.53E-05	2.42E-09
4115	476363.09	3855377.25	0.00543	0.00569	0.00563	0.00448	9.90E-06	4.8E-07	3E-05	4.8E-09	4E-05	1.21E-05	5.93337E-07	3.66E-05	2.67E-09	4.93E-05	1.07E-05	4.56E-07	7.88E-05	2.76E-09
4116	476863.09	3855377.25	0.00535	0.00561	0.00556	0.00453	9.75E-06	4.8E-07	3E-05	4.8E-09	4E-05	1.20E-05	5.84995E-07	3.61E-05	2.7E-09	4.87E-05	1.05E-05	4.5E-07	7.78E-05	2.79E-09
4117	477363.09	3855377.25	0.00604	0.00628	0.0063	0.005	1.10E-05	5.3E-07	3.3E-05	5.3E-09	4.5E-05	1.35E-05	6.54861E-07	4.09E-05	2.98E-09	5.51E-05	1.19E-05	5.04E-07	8.81E-05	3.08E-09
4118	477863.09	3855377.25	0.00814	0.00844	0.0084	0.00611	1.48E-05	7.2E-07	4.5E-05	6.5E-09	6E-05	1.82E-05	8.80099E-07	5.46E-05	3.65E-09	7.36E-05	1.6E-05	6.77E-07	0.000118	3.77E-09
4119	478363.09	3855377.25	0.01087	0.01117	0.01124	0.00747	1.98E-05	9.5E-07	6E-05	8E-09	8E-05	2.43E-05	1.16478E-06	7.3E-05	4.46E-09	9.85E-05	2.14E-05	8.96E-07	0.000157	4.61E-09
4120	478863.09	3855377.25	0.01425	0.01444	0.01473	0.00904	2.60E-05	1.2E-06	7.8E-05	9.6E-09	0.00011	3.18E-05	1.50576E-06	9.57E-05	5.4E-09	1.29E-04	2.81E-05	1.16E-06	0.000206	5.57E-09
4121	479363.09	3855377.25	0.02023	0.02015	0.0208	0.0115	3.69E-05	1.7E-06	0.00011	1.2E-08	0.00015	4.52E-05	2.10119E-06	0.000135	6.86E-09	1.82E-04	3.98E-05	1.62E-06	0.000291	7.09E-09
4122	479863.09	3855377.25	0.02751	0.02718	0.02799	0.01447	5.01E-05	2.3E-06	0.00015	1.5E-08	0.0002	6.14E-05	2.83425E-06	0.000182	8.64E-09	2.46E-04	5.42E-05	2.18E-06	0.000392	8.92E-09
4123	480363.09	3855377.25	0.04244	0.0434	0.04237	0.02082	7.74E-05	3.7E-06	0.00023	2.2E-08	0.00031	9.48E-05	4.52563E-06	0.000275	1.24E-08	3.75E-04	8.36E-05	3.48E-06	0.000593	1.28E-08
4124	480863.09	3855377.25	0.06272	0.06535	0.05968	0.03249	1.14E-04	5.6E-06	0.00032	3.5E-08	0.00044	1.40E-04	6.81451E-06	0.000388	1.94E-08	5.35E-04	0.000124	5.24E-06	0.000835	2E-08
4125	481363.09	3855377.25	0.08394	0.0844	0.07638	0.04944	1.53E-04	7.2E-06	0.00041	5.3E-08	0.00057	1.87E-04	8.80099E-06	0.000496	2.95E-08	6.92E-04	0.000165	6.77E-06	0.001068	3.05E-08
4126	481863.09	3855377.25	0.10355	0.10278	0.09161	0.06642	1.89E-04	8.7E-06	0.00049	7.1E-08	0.00068	2.31E-04	1.07176E-05	0.000595	3.96E-08	8.37E-04	0.000204	8.24E-06	0.001282	4.1E-08
4127	482363.09	3855377.25	0.12505	0.12658	0.10824	0.08526	2.28E-04	1.1E-05	0.00058	9.1E-08	0.00081	2.79E-04	1.31994E-05	0.000703	5.09E-08	9.96E-04	0.000246	1.02E-05	0.001514	5.26E-08
4128	482863.09	3855377.25	0.16813	0.19133	0.14223	0.10832	3.06E-04	1.6E-05	0.00076	1.2E-07	0.00108	3.76E-04	1.99514E-05	0.000924	6.47E-08	1.32E-03	0.000331	1.53E-05	0.00199	6.68E-08
4129	483363.09	3855377.25	0.23823	0.32853	0.20433	0.14761	4.34E-04	2.8E-05	0.00109	1.6E-07	0.00155	5.32E-04	3.42582E-05	0.001327	8.81E-08	1.89E-03	0.000469	2.64E-05	0.002858	9.1E-08
4130	483863.09	3855377.25	0.39681	0.66115	0.36608	0.21808	7.23E-04	5.6E-05	0.00195	2.3E-07	0.00272	8.86E-04	6.89429E-05	0.002378	1.3E-07	3.33E-03	0.000782	5.3E-05	0.005121	1.34E-07
4131	484363.09	3855377.25	0.98104	1.41287	1.0604	0.24872	1.79E-03	0.00012	0.00563	2.7E-07	0.00754	2.19E-03	0.00014733	0.006888	1.48E-07	9.23E-03	0.001932	0.000113	0.014834	1.53E-07
4132	484863.09	3855377.25	3.22496	1.78943	9.843	2.21569	5.88E-03	0.00015	0.0523	2.4E-06	0.05833	7.20E-03	0.000186597	0.063933	1.32E-06	7.13E-02	0.006351	0.000144	0.137694	1.37E-06
4133	485363.09	3855377.25	2.56236	1.33096	3.1662	1.12758	4.67E-03	0.00011	0.01682	1.2E-06	0.02161	5.72E-03	0.000138789	0.020565	6.73E-07	2.64E-02	0.005046	0.000107	0.044292	6.95E-07
4134	485863.09	3855377.25	1.21739	0.90295	1.50184	0.56695	2.22E-03	7.7E-05	0.00798	6E-07	0.01028	2.72E-03	9.41571E-05	0.009755	3.38E-07	1.26E-02	0.002398	7.24E-05	0.021009	3.5E-07
4135	486363.09	3855377.25	0.76799	0.61607	0.92484	0.37749	1.40E-03	5.2E-05	0.00491	4E-07	0.00637	1.72E-03	6.4242E-05	0.006007	2.25E-07	7.79E-03	0.001513	4.94E-05	0.012938	2.33E-07
4136	486863.09	3855377.25	0.55046	0.44531	0.65225	0.2874	1.00E-03	3.8E-05	0.00347	3.1E-07	0.00451	1.23E-03	4.64357E-05	0.004237	1.72E-07	5.51E-03	0.001084	3.57E-05	0.009124	1.77E-07
4137	487363.09	3855377.25	0.47631	0.36062	0.56682	0.26152	8.68E-04	3.1E-05	0.00301	2.8E-07	0.00391	1.06E-03	3.76044E-05	0.003682	1.56E-07	4.78E-03	0.000938	2.89E-05	0.007929	1.61E-07
4138	487863.09	3855377.25	0.41787	0.30306	0.49912	0.24435	7.62E-04	2.6E-05	0.00265	2.6E-07	0.00344	9.33E-04	3.16022E-05	0.003242	1.46E-07	4.21E-03	0.000823	2.43E-05	0.006982	1.51E-07
4139	488363.09	3855377.25	0.37129	0.26096	0.44491	0.2332	6.77E-04	2.2E-05	0.00236	2.5E-07	0.00306	8.29E-04	2.72122E-05	0.00289	1.39E-07	3.75E-03	0.000731	2.09E-05	0.006224	1.44E-07
4140	488863.09	3855377.25	0.33153	0.23427	0.39733	0.22391	6.04E-04	2E-05	0.00211	2.4E-07	0.00274	7.41E-04	2.4429E-05	0.002581	1.34E-07	3.35E-03	0.000653	1.88E-05	0.005558	1.38E-07
4141	489363.09	3855377.25	0.29612	0.20706	0.3549	0.21073	5.40E-04	1.8E-05	0.00189	2.2E-07	0.00244	6.61E-04	2.15916E-05	0.002305	1.26E-07	2.99E-03	0.000583	1.66E-05	0.004965	1.3E-07
4142	489863.09	3855377.25	0.26244	0.19071	0.31432	0.19107	4.78E-04	1.6E-05	0.00167	2E-07	0.00216	5.86E-04	1.98867E-05	0.002042	1.14E-07	2.65E-03	0.000517	1.53E-05	0.004397	1.18E-07
4143	490363.09	3855377.25	0.23961	0.18697	0.28558	0.1853	4.37E-04	1.6E-05	0.00152	2E-07	0.00197	5.35E-04	1.94967E-05	0.001855	1.11E-07	2.41E-03	0.000472	1.5E-05	0.003995	1.14E-07
4144	490863.09	3855377.25	0.1636	0.13117	0.19426	0.11645	2.98E-04	1.1E-05	0.00103	1.2E-07	0.00134	3.65E-04	1.3678E-05	0.001262	6.95E-08	1.64E-03	0.000322	1.05E-05	0.002718	7.18E-08

4145	491363.09	3855377.25	0.13509	0.11326	0.15862	0.10054	2.46E-04	9.6E-06	0.00084	1.1E-07	0.0011	3.02E-04	1.18104E-05	0.00103	6E-08	1.34E-03	0.000266	9.09E-06	0.002219	6.2E-08
4146	491863.09	3855377.25	0.17609	0.15667	0.20593	0.14332	3.21E-04	1.3E-05	0.00109	1.5E-07	0.00143	3.93E-04	1.63371E-05	0.001338	8.55E-08	1.75E-03	0.000347	1.26E-05	0.002881	8.84E-08
4147	492363.09	3855377.25	0.16347	0.15021	0.18957	0.13882	2.98E-04	1.3E-05	0.00101	1.5E-07	0.00132	3.65E-04	1.56635E-05	0.001231	8.29E-08	1.61E-03	0.000322	1.2E-05	0.002652	8.56E-08
4148	492863.09	3855377.25	0.14852	0.13984	0.171	0.12643	2.71E-04	1.2E-05	0.00091	1.3E-07	0.00119	3.32E-04	1.45821E-05	0.001111	7.55E-08	1.46E-03	0.000293	1.12E-05	0.002392	7.8E-08
4149	493363.09	3855377.25	0.12973	0.1244	0.14857	0.10777	2.36E-04	1.1E-05	0.00079	1.1E-07	0.00104	2.90E-04	1.29721E-05	0.000965	6.43E-08	1.27E-03	0.000255	9.98E-06	0.002078	6.64E-08
4150	493863.09	3855377.25	0.10137	0.09814	0.11556	0.08287	1.85E-04	8.4E-06	0.00061	8.8E-08	0.00081	2.26E-04	1.02338E-05	0.000751	4.95E-08	9.87E-04	0.0002	7.87E-06	0.001617	5.11E-08
4151	494363.09	3855377.25	0.07397	0.07222	0.08348	0.06297	1.35E-04	6.1E-06	0.00044	6.7E-08	0.00058	1.65E-04	7.5309E-06	0.000542	3.76E-08	7.15E-04	0.000146	5.79E-06	0.001168	3.88E-08
4152	494863.09	3855377.25	0.05306	0.05227	0.05924	0.04823	9.67E-05	4.4E-06	0.00031	5.1E-08	0.00042	1.19E-04	5.45057E-06	0.000385	2.88E-08	5.09E-04	0.000104	4.19E-06	0.000829	2.97E-08
4153	495363.09	3855377.25	0.04046	0.04017	0.04472	0.03885	7.38E-05	3.4E-06	0.00024	4.1E-08	0.00031	9.04E-05	4.18881E-06	0.00029	2.32E-08	3.85E-04	7.97E-05	3.22E-06	0.000626	2.4E-08
4154	495863.09	3855377.25	0.03273	0.03275	0.03574	0.03238	5.97E-05	2.8E-06	0.00019	3.5E-08	0.00025	7.31E-05	3.41508E-06	0.000232	1.93E-08	3.09E-04	6.45E-05	2.63E-06	0.0005	2E-08
4155	496363.09	3855377.25	0.03048	0.03073	0.0332	0.03037	5.56E-05	2.6E-06	0.00018	3.2E-08	0.00023	6.81E-05	3.20444E-06	0.000216	1.81E-08	2.87E-04	6E-05	2.47E-06	0.000464	1.87E-08
4156	496863.09	3855377.25	0.02878	0.02919	0.03106	0.02869	5.25E-05	2.5E-06	0.00017	3.1E-08	0.00022	6.43E-05	3.04385E-06	0.000202	1.71E-08	2.69E-04	5.67E-05	2.34E-06	0.000434	1.77E-08
4157	497363.09	3855377.25	0.0283	0.02889	0.03052	0.02819	5.16E-05	2.5E-06	0.00016	3E-08	0.00022	6.32E-05	3.01257E-06	0.000198	1.68E-08	2.64E-04	5.57E-05	2.32E-06	0.000427	1.74E-08
4158	497863.09	3855377.25	0.02898	0.02971	0.03104	0.02851	5.28E-05	2.5E-06	0.00016	3E-08	0.00022	6.47E-05	3.09807E-06	0.000202	1.7E-08	2.69E-04	5.71E-05	2.38E-06	0.000434	1.76E-08
4159	498363.09	3855377.25	0.03009	0.03098	0.03226	0.0292	5.48E-05	2.6E-06	0.00017	3.1E-08	0.00023	6.72E-05	3.23051E-06	0.00021	1.74E-08	2.80E-04	5.93E-05	2.49E-06	0.000451	1.8E-08
4160	471363.09	3855877.25	0.00866	0.00846	0.00871	0.0061	1.58E-05	7.2E-07	4.6E-05	6.5E-09	6.3E-05	1.93E-05	8.82185E-07	5.66E-05	3.64E-09	7.68E-05	1.71E-05	6.79E-07	0.000122	3.76E-09
4161	471863.09	3855877.25	0.00913	0.00899	0.00917	0.00636	1.66E-05	7.7E-07	4.9E-05	6.8E-09	6.6E-05	2.04E-05	9.37452E-07	5.96E-05	3.8E-09	8.09E-05	1.8E-05	7.21E-07	0.000128	3.92E-09
4162	472363.09	3855877.25	0.01001	0.00993	0.01	0.00698	1.82E-05	8.4E-07	5.3E-05	7.4E-09	7.2E-05	2.24E-05	1.03547E-06	6.5E-05	4.17E-09	8.84E-05	1.97E-05	7.97E-07	0.00014	4.3E-09
4163	472863.09	3855877.25	0.01041	0.01045	0.0104	0.0071	1.90E-05	8.9E-07	5.5E-05	7.6E-09	7.5E-05	2.33E-05	1.0897E-06	6.76E-05	4.24E-09	9.19E-05	2.05E-05	8.38E-07	0.000145	4.38E-09
4164	473363.09	3855877.25	0.0116	0.01175	0.01151	0.00796	2.11E-05	1E-06	6.1E-05	8.5E-09	8.3E-05	2.59E-05	1.22526E-06	7.48E-05	4.75E-09	1.02E-04	2.28E-05	9.43E-07	0.000161	4.91E-09
4165	473863.09	3855877.25	0.01261	0.01291	0.01248	0.00861	2.30E-05	1.1E-06	6.6E-05	9.2E-09	9E-05	2.82E-05	1.34622E-06	8.11E-05	5.14E-09	1.11E-04	2.48E-05	1.04E-06	0.000175	5.31E-09
4166	474363.09	3855877.25	0.01348	0.01396	0.01335	0.00903	2.46E-05	1.2E-06	7.1E-05	9.6E-09	9.7E-05	3.01E-05	1.45571E-06	8.67E-05	5.39E-09	1.18E-04	2.65E-05	1.12E-06	0.000187	5.57E-09
4167	474863.09	3855877.25	0.01164	0.01215	0.0118	0.00725	2.12E-05	1E-06	6.3E-05	7.7E-09	8.5E-05	2.60E-05	1.26697E-06	7.66E-05	4.33E-09	1.04E-04	2.29E-05	9.75E-07	0.000165	4.47E-09
4168	475363.09	3855877.25	0.00768	0.00776	0.00799	0.00521	1.40E-05	6.6E-07	4.2E-05	5.6E-09	5.7E-05	1.72E-05	8.09191E-07	5.19E-05	3.11E-09	6.99E-05	1.51E-05	6.22E-07	0.000112	3.21E-09
4169	475863.09	3855877.25	0.00335	0.00329	0.00344	0.0031	6.11E-06	2.8E-07	1.8E-05	3.3E-09	2.5E-05	7.48E-06	3.43072E-07	2.23E-05	1.85E-09	3.02E-05	6.6E-06	2.64E-07	4.81E-05	1.91E-09
4170	476363.09	3855877.25	0.00361	0.00357	0.00372	0.00333	6.58E-06	3E-07	2E-05	3.6E-09	2.7E-05	8.06E-06	3.7227E-07	2.42E-05	1.99E-09	3.26E-05	7.11E-06	2.86E-07	5.2E-05	2.05E-09
4171	476863.09	3855877.25	0.00555	0.00549	0.00576	0.00456	1.01E-05	4.7E-07	3.1E-05	4.9E-09	4.1E-05	1.24E-05	5.72482E-07	3.74E-05	2.72E-09	5.04E-05	1.09E-05	4.4E-07	8.06E-05	2.81E-09
4172	477363.09	3855877.25	0.0069	0.00689	0.00721	0.00533	1.26E-05	5.9E-07	3.8E-05	5.7E-09	5.1E-05	1.54E-05	7.1847E-07	4.68E-05	3.18E-09	6.30E-05	1.36E-05	5.53E-07	0.000101	3.29E-09
4173	477863.09	3855877.25	0.00869	0.00873	0.00898	0.00626	1.58E-05	7.4E-07	4.8E-05	6.7E-09	6.4E-05	1.94E-05	9.1034E-07	5.83E-05	3.74E-09	7.87E-05	1.71E-05	7E-07	0.000126	3.86E-09
4174	478363.09	3855877.25	0.01147	0.01156	0.01206	0.0077	2.09E-05	9.8E-07	6.4E-05	8.2E-09	8.6E-05	2.56E-05	1.20544E-06	7.83E-05	4.6E-09	1.05E-04	2.26E-05	9.27E-07	0.000169	4.75E-09
4175	478863.09	3855877.25	0.01572	0.01592	0.01626	0.00959	2.87E-05	1.4E-06	8.6E-05	1E-08	0.00012	3.51E-05	1.66009E-06	0.000106	5.72E-09	1.42E-04	3.1E-05	1.28E-06	0.000227	5.91E-09
4176	479363.09	3855877.25	0.02243	0.023	0.02311	0.01239	4.09E-05	2E-06	0.00012	1.3E-08	0.00017	5.01E-05	2.39837E-06	0.00015	7.39E-09	2.03E-04	4.42E-05	1.85E-06	0.000323	7.64E-09
4177	479863.09	3855877.25	0.03063	0.03153	0.03128	0.01578	5.58E-05	2.7E-06	0.00017	1.7E-08	0.00022	6.84E-05	3.28786E-06	0.000203	9.42E-09	2.75E-04	6.03E-05	2.53E-06	0.000438	9.73E-09
4178	480363.09	3855877.25	0.04341	0.04478	0.04343	0.02157	7.91E-05	3.8E-06	0.00023	2.3E-08	0.00031	9.70E-05	4.66953E-06	0.000282	1.29E-08	3.84E-04	8.55E-05	3.59E-06	0.000608	1.33E-08
4179	480863.09	3855877.25	0.06087	0.06314	0.05882	0.03141	1.11E-04	5.4E-06	0.00031	3.4E-08	0.00043	1.36E-04	6.58406E-06	0.000382	1.87E-08	5.25E-04	0.00012	5.06E-06	0.000823	1.94E-08
4180	481363.09	3855877.25	0.07255	0.07746	0.06995	0.03459	1.32E-04	6.6E-06	0.00037	3.7E-08	0.00051	1.62E-04	8.07731E-06	0.000454	2.06E-08	6.25E-04	0.000143	6.21E-06	0.000979	2.13E-08
4181	481863.09	3855877.25	0.10036	0.11026	0.0938	0.06809	1.83E-04	9.4E-06	0.0005	7.3E-08	0.00069	2.24E-04	1.14976E-05	0.000609	4.06E-08	8.45E-04	0.000198	8.84E-06	0.001312	4.2E-08
4182	482363.09	3855877.25	0.1154	0.12807	0.11004	0.09124	2.10E-04	1.1E-05	0.00058	9.7E-08	0.00081	2.58E-04	1.33548E-05	0.000715	5.45E-08	9.86E-04	0.000227	1.03E-05	0.001539	5.63E-08
4183	482863.09	3855877.25	0.14621	0.15884	0.14557	0.11705	2.67E-04	1.4E-05	0.00077	1.2E-07	0.00105	3.27E-04	1.65634E-05	0.000946	6.99E-08	1.29E-03	0.000288	1.27E-05	0.002036	7.22E-08
4184	483363.09	3855877.25	0.19155	0.19826	0.1968	0.16098	3.49E-04	1.7E-05	0.00105	1.7E-07	0.00141	4.28E-04	2.0674E-05	0.001278	9.61E-08	1.73E-03	0.000377	1.59E-05	0.002753	9.93E-08
4185	483863.09	3855877.25	0.26562	0.27274	0.2896	0.2425	4.84E-04	2.3E-05	0.00154	2.6E-07	0.00205	5.93E-04	2.84406E-05	0.001881	1.45E-07	2.50E-03	0.000523	2.19E-05	0.004051	1.5E-07
4186	484363.09	3855877.25	0.41843	0.29722	0.49707	0.39249	7.63E-04	2.5E-05	0.00264	4.2E-07	0.00343	9.35E-04	3.09933E-05	0.003229	2.34E-07	4.19E-03	0.000824	2.38E-05	0.006954	2.42E-07
4187	484863.09	3855877.25	0.86302	0.35638	1.06518	0.54588	1.57E-03	3E-05	0.00566	5.8E-07	0.00726	1.93E-03	3.71623E-05	0.006919	3.26E-07	8.88E-03	0.0017	2.86E-05	0.014901	3.37E-07
4188	485363.09	3855877.25	3.73735	0.39753	6.62795	2.56954	6.81E-03	3.4E-05	0.03522	2.7E-06	0.04206	8.35E-03	4.14533E-05	0.04305	1.53E-06	5.14E-02	0.007361	3.19E-05	0.092718	1.58E-06
4189	485863.09	3855877.25	3.29321	0.43612	4.16222	1.78797	6.00E-03	3.7E-05	0.02211	1.9E-06	0.02816	7.36E-03	4.54774E-05	0.027035	1.07E-06	3.44E-02	0.006486	3.5E-05	0.058225	1.1E-06
4190	486363.09	3855877.25	1.32923	0.38111	1.76277	0.83751	2.42E-03	3.2E-05	0.00937	8.9E-07	0.01182	2.97E-03	3.97411E-05	0.01145	5E-07	1.45E-02	0.002618	3.06E-05	0.024659	5.16E-07
4191	486863.09	3855877.25	0.88495	0.32734	1.16092	0.57502	1.61E-03	2.8E-05	0.00617	6.1E-07	0.00781	1.98E-03	3.41341E-05	0.007541	3.43E-07	9.55E-03	0.001743	2.63E-05	0.01624	3.55E-07
4192	487363.09	3855877.25	0.71566	0.28893	0.93094	0.48569	1.30E-03	2.5E-05	0.00495	5.2E-07	0.00628	1.60E-03	3.01288E-05	0.006047	2.9E-07	7.68E-03	0.001409	2.32E-05	0.013023	2.99E-07
4193	487863.09	3855877.25	0.59546	0.26808	0.7664	0.43246	1.09E-03	2.3E-05	0.00407	4.6E-07	0.00518	1.33E-03	2.79546E-05	0.004978	2.58E-07	6.34E-03	0.001173	2.15E-05	0.010721	2.67E-07
4194	488363.09	3855877.25	0.50113	0.25684	0.63764	0.38656	9.13E-04	2.2E-05	0.00339	4.1E-07	0.00432	1.12E-03	2.67825E-05	0.004142	2.31E-07	5.29E-03	0.000987	2.06E-05	0.00892	2.38E-07
4195	488863.09	3855877.25	0.42922	0.2432	0.54103	0.35213	7.82E-04	2.1E-05	0.00287	3.8E-07	0.00368	9.59E-04	2.53602E-05	0.003514	2.1E-07	4.50E-03	0.000845	1.95E-05	0.007568	2.17E-07
4196	489363.09	3855877.25	0.37121	0.24418	0.46251	0.31956	6.77E-04	2.1E-05	0.00246	3.4E-07	0.00316	8.29E-04	2.54624E-05	0.003004	1.91E-07	3.86E-03	0.000731	1.96E-05	0.00647	1.97E-07
4197	489863.09	3855877.25	0.32428	0.24443	0.39915	0.28907	5.91E-04	2.1E-05	0.00212	3.1E-07	0.00273	7.24E-04	2.54885E-05	0.002593	1.73E-07	3.34E-03	0.000639	1.96E-05	0.005584	1.78E-07
4198	490363.09	3855877.25	0.28655	0.2374	0.34763	0.26504	5.22E-04	2E-05	0.00185	2.8E-07	0.00239	6.40E-04	2.47554E-05	0.002258	1.58E-07	2.92E-03	0.000564	1.9E-05	0.004863	1.63E-07
4199	490863.09	3855877.25	0.25344	0.2239	0.30408	0.23085	4.62E-04	1.9E-05	0.00162	2.5E-07	0.0021	5.66E-04	2.33477E-05	0.001975	1.38E-07	2.56E-03	0.000499	1.8E-05	0.004254	1.42E-07
4200	491363.09	3855877.25	0.21582	0.19767	0.25759	0.18305	3.93E-04	1.7E-05	0.00137	2E-07	0.00178	4.82E-04	2.06125E-05	0.001673	1.09E-07	2.18E-03	0.000425	1.59E-05	0.003603	1.13E-07
4201	491863.09	3855877.25	0.20363	0.19714	0.23808	0.19217	3.71E-04	1.7E-05	0.00126	2.1E-07	0.00165	4.55E-04	2.05572E-05	0.001546	1.15E-07	2.02E-03	0.000401	1.58E-05	0.003331	1.18E-07
4202	492363.09	3855877.25	0.18161	0.18041	0.21027	0.16825	3.31E-04	1.5E-05	0.00112	1.8E-07	0.00146	4.06E-04	1.88126E-05	0.001366	1E-07	1.79E-03	0.000358	1.45E-05	0.002941	1.04E-07
4203	492863.09	3855877.25	0.16265	0.16448	0.18654	0.14934	2.96E-04	1.4E-05	0.00099	1.6E-07	0.0013	3.63E-04	1.71515E-05	0.001212	8.91E-08	1.59E-03	0.00032	1.32E-05	0.00261	9.21E-08
4204	493363.09	3855877.25	0.12819	0.12881	0.14668	0.11024	2.34E-04	1.1E-05	0.00078	1.2E-07	0.00102	2.86E-04	1.34319E-05	0.000953	6.58E-08	1.25E-03	0.000252	1.03E-05	0.002052	6.8E-08
4205	493863.09	3855877.25	0.09013	0.09025	0.10197	0.07927	1.64E-04	7.7E-06	0.00054	8.5E-08	0.00071	2.01E-04	9.41101E-06	0.000662	4.73E-08	8.73E-04	0.000178	7.24E-06	0.001426	4.89E-08

4206	494363.09	3855877.25	0.06216	0.06258	0.06964	0.05839	1.13E-04	5.3E-06	0.00037	6.2E-08	0.00049	1.39E-04	6.52567E-06	0.000452	3.48E-08	5.98E-04	0.000122	5.02E-06	0.000974	3.6E-08
4207	494863.09	3855877.25	0.04593	0.0468	0.05074	0.04564	8.37E-05	4E-06	0.00027	4.9E-08	0.00036	1.03E-04	4.88017E-06	0.00033	2.72E-08	4.37E-04	9.05E-05	3.75E-06	0.00071	2.81E-08
4208	495363.09	3855877.25	0.03251	0.03333	0.03537	0.03385	5.93E-05	2.8E-06	0.00019	3.6E-08	0.00025	7.26E-05	3.47556E-06	0.00023	2.02E-08	3.06E-04	6.4E-05	2.67E-06	0.000495	2.09E-08
4209	495863.09	3855877.25	0.03059	0.03144	0.03306	0.03183	5.58E-05	2.7E-06	0.00018	3.4E-08	0.00023	6.83E-05	3.27847E-06	0.000215	1.9E-08	2.86E-04	6.02E-05	2.52E-06	0.000462	1.96E-08
4210	496363.09	3855877.25	0.02934	0.03019	0.03144	0.03036	5.35E-05	2.6E-06	0.00017	3.2E-08	0.00022	6.55E-05	3.14813E-06	0.000204	1.81E-08	2.73E-04	5.78E-05	2.42E-06	0.00044	1.87E-08
4211	496863.09	3855877.25	0.02948	0.03036	0.03148	0.03021	5.37E-05	2.6E-06	0.00017	3.2E-08	0.00022	6.59E-05	3.16585E-06	0.000204	1.8E-08	2.74E-04	5.81E-05	2.44E-06	0.00044	1.86E-08
4212	497363.09	3855877.25	0.0299	0.03078	0.03182	0.03026	5.45E-05	2.6E-06	0.00017	3.2E-08	0.00023	6.68E-05	3.20965E-06	0.000207	1.81E-08	2.77E-04	5.89E-05	2.47E-06	0.000445	1.87E-08
4213	497863.09	3855877.25	0.03095	0.03185	0.03288	0.03083	5.64E-05	2.7E-06	0.00017	3.3E-08	0.00023	6.91E-05	3.32123E-06	0.000214	1.84E-08	2.86E-04	6.1E-05	2.55E-06	0.00046	1.9E-08
4214	498363.09	3855877.25	0.03445	0.03553	0.03663	0.0332	6.28E-05	3E-06	0.00019	3.5E-08	0.00026	7.70E-05	3.70497E-06	0.000238	1.98E-08	3.19E-04	6.78E-05	2.85E-06	0.000512	2.05E-08
4215	471363.09	3856377.25	0.00896	0.00958	0.00903	0.0062	1.63E-05	8.2E-07	4.8E-05	6.6E-09	6.5E-05	2.00E-05	9.98975E-07	5.87E-05	3.7E-09	7.97E-05	1.76E-05	7.68E-07	0.000126	3.82E-09
4216	471863.09	3856377.25	0.0094	0.01004	0.00951	0.00642	1.71E-05	8.5E-07	5.1E-05	6.8E-09	6.9E-05	2.10E-05	1.04694E-06	6.18E-05	3.83E-09	8.38E-05	1.85E-05	8.05E-07	0.000133	3.96E-09
4217	472363.09	3856377.25	0.01011	0.01078	0.01023	0.00689	1.84E-05	9.2E-07	5.4E-05	7.4E-09	7.4E-05	2.26E-05	1.12411E-06	6.64E-05	4.11E-09	9.02E-05	1.99E-05	8.65E-07	0.000143	4.25E-09
4218	472863.09	3856377.25	0.01097	0.01166	0.01111	0.0075	2.00E-05	9.9E-07	5.9E-05	8E-09	8E-05	2.45E-05	1.21587E-06	7.22E-05	4.48E-09	9.79E-05	2.16E-05	9.35E-07	0.000155	4.62E-09
4219	473363.09	3856377.25	0.0118	0.01246	0.01195	0.00804	2.15E-05	1.1E-06	6.3E-05	8.6E-09	8.6E-05	2.64E-05	1.29929E-06	7.76E-05	4.8E-09	1.05E-04	2.32E-05	1E-06	0.000167	4.96E-09
4220	473863.09	3856377.25	0.01306	0.01367	0.01318	0.00907	2.38E-05	1.2E-06	7E-05	9.7E-09	9.5E-05	2.92E-05	1.42547E-06	8.56E-05	5.41E-09	1.16E-04	2.57E-05	1.1E-06	0.000184	5.59E-09
4221	474363.09	3856377.25	0.01334	0.01382	0.01358	0.00884	2.43E-05	1.2E-06	7.2E-05	9.4E-09	9.8E-05	2.98E-05	1.44111E-06	8.82E-05	5.28E-09	1.19E-04	2.63E-05	1.11E-06	0.00019	5.45E-09
4222	474863.09	3856377.25	0.01312	0.01339	0.01354	0.00825	2.39E-05	1.1E-06	7.2E-05	8.8E-09	9.7E-05	2.93E-05	1.39627E-06	8.79E-05	4.92E-09	1.19E-04	2.58E-05	1.07E-06	0.000189	5.09E-09
4223	475363.09	3856377.25	0.01107	0.01102	0.01165	0.00676	2.02E-05	9.4E-07	6.2E-05	7.2E-09	8.3E-05	2.47E-05	1.14913E-06	7.57E-05	4.03E-09	1.02E-04	2.18E-05	8.84E-07	0.000163	4.17E-09
4224	475863.09	3856377.25	0.00767	0.00745	0.00814	0.00514	1.40E-05	6.3E-07	4.3E-05	5.5E-09	5.8E-05	1.71E-05	7.76865E-07	5.29E-05	3.07E-09	7.08E-05	1.51E-05	5.98E-07	0.000114	3.17E-09
4225	476363.09	3856377.25	0.00721	0.00696	0.00764	0.00501	1.31E-05	5.9E-07	4.1E-05	5.3E-09	5.4E-05	1.61E-05	7.25769E-07	4.96E-05	2.99E-09	6.65E-05	1.42E-05	5.58E-07	0.000107	3.09E-09
4226	476863.09	3856377.25	0.00745	0.00715	0.00787	0.00522	1.36E-05	6.1E-07	4.2E-05	5.6E-09	5.6E-05	1.66E-05	7.45582E-07	5.11E-05	3.12E-09	6.85E-05	1.47E-05	5.74E-07	0.00011	3.22E-09
4227	477363.09	3856377.25	0.0081	0.00775	0.00855	0.00562	1.48E-05	6.6E-07	4.5E-05	6E-09	6.1E-05	1.81E-05	8.08148E-07	5.55E-05	3.35E-09	7.44E-05	1.6E-05	6.22E-07	0.00012	3.47E-09
4228	477863.09	3856377.25	0.00654	0.00629	0.00683	0.00503	1.19E-05	5.4E-07	3.6E-05	5.4E-09	4.9E-05	1.46E-05	6.55903E-07	4.44E-05	3E-09	5.96E-05	1.29E-05	5.05E-07	9.55E-05	3.1E-09
4229	478363.09	3856377.25	0.00589	0.00584	0.00609	0.00482	1.07E-05	5E-07	3.2E-05	5.1E-09	4.4E-05	1.32E-05	6.08979E-07	3.96E-05	2.88E-09	5.33E-05	1.16E-05	4.68E-07	8.52E-05	2.97E-09
4230	478863.09	3856377.25	0.01235	0.01197	0.0129	0.00791	2.25E-05	1E-06	6.9E-05	8.4E-09	9.2E-05	2.76E-05	1.2482E-06	8.38E-05	4.72E-09	1.13E-04	2.43E-05	9.6E-07	0.00018	4.88E-09
4231	479363.09	3856377.25	0.01697	0.0166	0.01759	0.00986	3.09E-05	1.4E-06	9.3E-05	1.1E-08	0.00013	3.79E-05	1.731E-06	0.000114	5.88E-09	1.54E-04	3.34E-05	1.33E-06	0.000246	6.08E-09
4232	479863.09	3856377.25	0.03025	0.03127	0.03062	0.01509	5.51E-05	2.7E-06	0.00016	1.6E-08	0.00022	6.76E-05	3.26075E-06	0.000199	9.01E-09	2.70E-04	5.96E-05	2.51E-06	0.000428	9.3E-09
4233	480363.09	3856377.25	0.04592	0.04973	0.04549	0.02302	8.37E-05	4.2E-06	0.00024	2.5E-08	0.00033	1.03E-04	5.1857E-06	0.000295	1.37E-08	4.03E-04	9.04E-05	3.99E-06	0.000636	1.42E-08
4234	480863.09	3856377.25	0.06043	0.06639	0.05889	0.03243	1.10E-04	5.6E-06	0.00031	3.5E-08	0.00043	1.35E-04	6.92296E-06	0.000383	1.94E-08	5.24E-04	0.000119	5.33E-06	0.000824	2E-08
4235	481363.09	3856377.25	0.07693	0.08647	0.07488	0.04679	1.40E-04	7.4E-06	0.0004	5E-08	0.00055	1.72E-04	9.01685E-06	0.000486	2.79E-08	6.67E-04	0.000152	6.94E-06	0.001047	2.88E-08
4236	481863.09	3856377.25	0.09204	0.09749	0.09185	0.07001	1.68E-04	8.3E-06	0.00049	7.5E-08	0.00066	2.06E-04	1.0166E-05	0.000597	4.18E-08	8.12E-04	0.000181	7.82E-06	0.001285	4.32E-08
4237	482363.09	3856377.25	0.10382	0.10024	0.10533	0.09331	1.89E-04	8.5E-06	0.00056	1E-07	0.00076	2.32E-04	1.04527E-05	0.000684	5.57E-08	9.27E-04	0.000204	8.04E-06	0.001473	5.75E-08
4238	482863.09	3856377.25	0.1269	0.12107	0.13189	0.12	2.31E-04	1E-05	0.0007	1.3E-07	0.00094	2.83E-04	1.26248E-05	0.000857	7.16E-08	1.15E-03	0.00025	9.71E-06	0.001845	7.4E-08
4239	483363.09	3856377.25	0.15854	0.15299	0.17109	0.1562	2.89E-04	1.3E-05	0.00091	1.7E-07	0.00121	3.54E-04	1.59534E-05	0.001111	9.32E-08	1.48E-03	0.000312	1.23E-05	0.002393	9.63E-08
4240	483863.09	3856377.25	0.20474	0.17317	0.23327	0.21345	3.73E-04	1.5E-05	0.00124	2.3E-07	0.00163	4.57E-04	1.80577E-05	0.001515	1.27E-07	1.99E-03	0.000403	1.39E-05	0.003263	1.32E-07
4241	484363.09	3856377.25	0.27064	0.17035	0.32504	0.31342	4.93E-04	1.4E-05	0.00173	3.3E-07	0.00224	6.05E-04	1.77636E-05	0.002111	1.87E-07	2.73E-03	0.000533	1.37E-05	0.004547	1.93E-07
4242	484863.09	3856377.25	0.39166	0.18499	0.48734	0.48728	7.14E-04	1.6E-05	0.00259	5.2E-07	0.00332	8.75E-04	1.92902E-05	0.003165	2.91E-07	4.06E-03	0.000771	1.48E-05	0.006817	3E-07
4243	485363.09	3856377.25	0.72406	0.23154	0.91465	0.75114	1.32E-03	2E-05	0.00486	8E-07	0.0062	1.62E-03	2.41443E-05	0.005941	4.48E-07	7.58E-03	0.001426	1.86E-05	0.012795	4.63E-07
4244	485863.09	3856377.25	2.77423	0.27751	6.43855	2.07838	5.06E-03	2.4E-05	0.03421	2.2E-06	0.03929	6.20E-03	2.8938E-05	0.04182	1.24E-06	4.80E-02	0.005464	2.23E-05	0.090069	1.28E-06
4245	486363.09	3856377.25	3.51326	0.31982	5.60502	2.08203	6.40E-03	2.7E-05	0.02978	2.2E-06	0.03621	7.85E-03	3.33499E-05	0.036406	1.24E-06	4.43E-02	0.006919	2.57E-05	0.078409	1.28E-06
4246	486863.09	3856377.25	1.61944	0.2969	2.19185	1.02928	2.95E-03	2.5E-05	0.01165	1.1E-06	0.01462	3.62E-03	3.09599E-05	0.014237	6.14E-07	1.79E-02	0.003189	2.38E-05	0.030662	6.35E-07
4247	487363.09	3856377.25	1.07281	0.27175	1.43977	0.79491	1.96E-03	2.3E-05	0.00765	8.5E-07	0.00963	2.40E-03	2.83373E-05	0.009352	4.74E-07	1.18E-02	0.002113	2.18E-05	0.020141	4.9E-07
4248	487863.09	3856377.25	0.80181	0.29148	1.06191	0.68602	1.46E-03	2.5E-05	0.00564	7.3E-07	0.00713	1.79E-03	3.03947E-05	0.006897	4.09E-07	8.72E-03	0.001579	2.34E-05	0.014855	4.23E-07
4249	488363.09	3856377.25	0.63107	0.32793	0.82625	0.59323	1.15E-03	2.8E-05	0.00439	6.3E-07	0.00557	1.41E-03	3.41956E-05	0.005367	3.54E-07	6.81E-03	0.001243	2.63E-05	0.011558	3.66E-07
4250	488863.09	3856377.25	0.51376	0.36905	0.66108	0.51852	9.36E-04	3.1E-05	0.00351	5.5E-07	0.00448	1.15E-03	3.84835E-05	0.004294	3.09E-07	5.48E-03	0.001012	2.96E-05	0.009248	3.2E-07
4251	489363.09	3856377.25	0.42957	0.37845	0.541	0.45388	7.83E-04	3.2E-05	0.00287	4.8E-07	0.00369	9.60E-04	3.94637E-05	0.003514	2.71E-07	4.51E-03	0.000846	3.04E-05	0.007568	2.8E-07
4252	489863.09	3856377.25	0.3668	0.36246	0.45104	0.39876	6.69E-04	3.1E-05	0.0024	4.3E-07	0.0031	8.19E-04	3.77963E-05	0.00293	2.38E-07	3.79E-03	0.000722	2.91E-05	0.00631	2.46E-07
4253	490363.09	3856377.25	0.31755	0.33366	0.38207	0.34536	5.79E-04	2.8E-05	0.00203	3.7E-07	0.00264	7.09E-04	3.47931E-05	0.002482	2.06E-07	3.23E-03	0.000625	2.68E-05	0.005345	2.13E-07
4254	490863.09	3856377.25	0.2783	0.30276	0.32842	0.29882	5.07E-04	2.6E-05	0.00174	3.2E-07	0.00228	6.22E-04	3.1571E-05	0.002133	1.78E-07	2.79E-03	0.000548	2.43E-05	0.004594	1.84E-07
4255	491363.09	3856377.25	0.24604	0.27254	0.28528	0.26268	4.48E-04	2.3E-05	0.00152	2.8E-07	0.00199	5.50E-04	2.84197E-05	0.001853	1.57E-07	2.43E-03	0.000485	2.19E-05	0.003991	1.62E-07
4256	491863.09	3856377.25	0.21851	0.24319	0.24986	0.22787	3.98E-04	2.1E-05	0.00133	2.4E-07	0.00175	4.88E-04	2.53592E-05	0.001623	1.36E-07	2.14E-03	0.00043	1.95E-05	0.003495	1.4E-07
4257	492363.09	3856377.25	0.19231	0.21372	0.21795	0.19126	3.51E-04	1.8E-05	0.00116	2E-07	0.00153	4.30E-04	2.22861E-05	0.001416	1.14E-07	1.87E-03	0.000379	1.71E-05	0.003049	1.18E-07
4258	492863.09	3856377.25	0.15873	0.17449	0.17952	0.14595	2.89E-04	1.5E-05	0.00095	1.6E-07	0.00126	3.55E-04	1.81953E-05	0.001166	8.71E-08	1.54E-03	0.000313	1.4E-05	0.002511	9E-08
4259	493363.09	3856377.25	0.10261	0.10983	0.11525	0.09401	1.87E-04	9.3E-06	0.00061	1E-07	0.00081	2.29E-04	1.14528E-05	0.000749	5.61E-08	9.89E-04	0.000202	8.81E-06	0.001612	5.8E-08
4260	493863.09	3856377.25	0.07738	0.08218	0.0858	0.07373	1.41E-04	7E-06	0.00046	7.9E-08	0.0006	1.73E-04	8.5695E-06	0.000557	4.4E-08	7.39E-04	0.000152	6.59E-06	0.0012	4.55E-08
4261	494363.09	3856377.25	0.05469	0.05762	0.05971	0.05529	9.97E-05	4.9E-06	0.00032	5.9E-08	0.00042	1.22E-04	6.00845E-06	0.000388	3.3E-08	5.16E-04	0.000108	4.62E-06	0.000835	3.41E-08
4262	494863.09	3856377.25	0.04011	0.0419	0.0432	0.0424	7.31E-05	3.6E-06	0.00023	4.5E-08	0.00031	8.96E-05	4.36921E-06	0.000281	2.53E-08	3.75E-04	7.9E-05	3.36E-06	0.000604	2.61E-08
4263	495363.09	3856377.25	0.03198	0.03317	0.03405	0.03427	5.83E-05	2.8E-06	0.00018	3.7E-08	0.00024	7.14E-05	3.45887E-06	0.000221	2.05E-08	2.96E-04	6.3E-05	2.66E-06	0.000476	2.11E-08
4264	495863.09	3856377.25	0.02988	0.03091	0.03156	0.03181	5.45E-05	2.6E-06	0.00017	3.4E-08	0.00022	6.67E-05	3.22321E-06	0.000205	1.9E-08	2.75E-04	5.88E-05	2.48E-06	0.000441	1.96E-08
4265	496363.09	3856377.25	0.02925	0.03021	0.03096	0.03101	5.33E-05	2.6E-06	0.00016	3.3E-08	0.00022	6.53E-05	3.15021E-06	0.000201	1.85E-08	2.70E-04	5.76E-05	2.42E-06	0.000433	1.91E-08
4266	496863.09	3856377.25	0.03071	0.03181	0.03236	0.03192	5.60E-05	2.7E-06	0.00017	3.4E-08	0.00023	6.86E-05	3.31706E-06	0.00021	1.91E-08	2.82E-04	6.05E-05	2.55E-06	0.000453	1.97E-08

4267	497363.09	3856377.25	0.03187	0.03307	0.03368	0.0326	5.81E-05	2.8E-06	0.00018	3.5E-08	0.00024	7.12E-05	3.44845E-06	0.000219	1.95E-08	2.93E-04	6.28E-05	2.65E-06	0.000471	2.01E-08
4268	497863.09	3856377.25	0.03429	0.03575	0.03614	0.03404	6.25E-05	3E-06	0.00019	3.6E-08	0.00026	7.66E-05	3.72791E-06	0.000235	2.03E-08	3.15E-04	6.75E-05	2.87E-06	0.000506	2.1E-08
4269	498363.09	3856377.25	0.03765	0.03948	0.03976	0.03633	6.86E-05	3.4E-06	0.00021	3.9E-08	0.00028	8.41E-05	4.11686E-06	0.000258	2.17E-08	3.46E-04	7.42E-05	3.17E-06	0.000556	2.24E-08
4270	471363.09	3856877.25	0.00916	0.00995	0.00929	0.00659	1.67E-05	8.5E-07	4.9E-05	7E-09	6.7E-05	2.05E-05	1.03756E-06	6.03E-05	3.93E-09	8.18E-05	1.8E-05	7.98E-07	0.00013	4.06E-09
4271	471863.09	3856877.25	0.00953	0.01023	0.0097	0.00674	1.74E-05	8.7E-07	5.2E-05	7.2E-09	7E-05	2.13E-05	1.06676E-06	6.3E-05	4.02E-09	8.54E-05	1.88E-05	8.21E-07	0.000136	4.16E-09
4272	472363.09	3856877.25	0.0102	0.01084	0.01038	0.0072	1.86E-05	9.2E-07	5.5E-05	7.7E-09	7.5E-05	2.28E-05	1.13036E-06	6.74E-05	4.3E-09	9.13E-05	2.01E-05	8.7E-07	0.000145	4.44E-09
4273	472863.09	3856877.25	0.01093	0.0115	0.0111	0.00769	1.99E-05	9.8E-07	5.9E-05	8.2E-09	8E-05	2.44E-05	1.19919E-06	7.21E-05	4.59E-09	9.77E-05	2.15E-05	9.23E-07	0.000155	4.74E-09
4274	473363.09	3856877.25	0.01212	0.01264	0.01224	0.00872	2.21E-05	1.1E-06	6.5E-05	9.3E-09	8.8E-05	2.71E-05	1.31806E-06	7.95E-05	5.2E-09	1.08E-04	2.39E-05	1.01E-06	0.000171	5.38E-09
4275	473863.09	3856877.25	0.013	0.01346	0.01311	0.0093	2.37E-05	1.1E-06	7E-05	9.9E-09	9.5E-05	2.90E-05	1.40357E-06	8.52E-05	5.55E-09	1.16E-04	2.56E-05	1.08E-06	0.000183	5.73E-09
4276	474363.09	3856877.25	0.01314	0.01358	0.01335	0.00889	2.40E-05	1.2E-06	7.1E-05	9.5E-09	9.6E-05	2.94E-05	1.41608E-06	8.67E-05	5.31E-09	1.17E-04	2.59E-05	1.09E-06	0.000187	5.48E-09
4277	474863.09	3856877.25	0.01279	0.01319	0.01317	0.00816	2.33E-05	1.1E-06	7E-05	8.7E-09	9.4E-05	2.86E-05	1.37542E-06	8.55E-05	4.87E-09	1.15E-04	2.52E-05	1.06E-06	0.000184	5.03E-09
4278	475363.09	3856877.25	0.01133	0.0116	0.01184	0.00695	2.07E-05	9.9E-07	6.3E-05	7.4E-09	8.5E-05	2.53E-05	1.20962E-06	7.69E-05	4.15E-09	1.03E-04	2.23E-05	9.31E-07	0.000166	4.29E-09
4279	475863.09	3856877.25	0.01154	0.01175	0.01207	0.00698	2.10E-05	1E-06	6.4E-05	7.4E-09	8.6E-05	2.58E-05	1.22526E-06	7.84E-05	4.17E-09	1.05E-04	2.27E-05	9.43E-07	0.000169	4.3E-09
4280	476363.09	3856877.25	0.01019	0.01031	0.01067	0.00627	1.86E-05	8.8E-07	5.7E-05	6.7E-09	7.6E-05	2.28E-05	1.0751E-06	6.93E-05	3.74E-09	9.31E-05	2.01E-05	8.27E-07	0.000149	3.87E-09
4281	476863.09	3856877.25	0.00991	0.01005	0.01036	0.00617	1.81E-05	8.6E-07	5.5E-05	6.6E-09	7.4E-05	2.21E-05	1.04799E-06	6.73E-05	3.68E-09	9.05E-05	1.95E-05	8.06E-07	0.000145	3.8E-09
4282	477363.09	3856877.25	0.00881	0.00896	0.0092	0.00576	1.61E-05	7.6E-07	4.9E-05	6.1E-09	6.6E-05	1.97E-05	9.34323E-07	5.98E-05	3.44E-09	8.04E-05	1.74E-05	7.19E-07	0.000129	3.55E-09
4283	477863.09	3856877.25	0.00595	0.00598	0.00619	0.00453	1.08E-05	5.1E-07	3.3E-05	4.8E-09	4.4E-05	1.33E-05	6.23577E-07	4.02E-05	2.7E-09	5.41E-05	1.17E-05	4.8E-07	8.66E-05	2.79E-09
4284	478363.09	3856877.25	0.0053	0.00523	0.00549	0.0043	9.66E-06	4.5E-07	2.9E-05	4.6E-09	3.9E-05	1.18E-05	5.4537E-07	3.57E-05	2.57E-09	4.80E-05	1.04E-05	4.2E-07	7.68E-05	2.65E-09
4285	478863.09	3856877.25	0.00693	0.00683	0.00723	0.00523	1.26E-05	5.8E-07	3.8E-05	5.6E-09	5.2E-05	1.55E-05	7.12213E-07	4.7E-05	3.12E-09	6.32E-05	1.36E-05	5.48E-07	0.000101	3.22E-09
4286	479363.09	3856877.25	0.00966	0.0095	0.01015	0.00662	1.76E-05	8.1E-07	5.4E-05	7.1E-09	7.2E-05	2.16E-05	9.90633E-07	6.59E-05	3.95E-09	8.85E-05	1.9E-05	7.62E-07	0.000142	4.08E-09
4287	479863.09	3856877.25	0.02763	0.02808	0.02851	0.01355	5.04E-05	2.4E-06	0.00015	1.4E-08	0.0002	6.17E-05	2.9281E-06	0.000185	8.09E-09	2.50E-04	5.44E-05	2.25E-06	0.000399	8.35E-09
4288	480363.09	3856877.25	0.04456	0.04881	0.04511	0.02219	8.12E-05	4.2E-06	0.00024	2.4E-08	0.00033	9.95E-05	5.08977E-06	0.000293	1.32E-08	3.98E-04	8.78E-05	3.92E-06	0.000631	1.37E-08
4289	480863.09	3856877.25	0.0588	0.0629	0.06009	0.03502	1.07E-04	5.4E-06	0.00032	3.7E-08	0.00043	1.31E-04	6.55903E-06	0.00039	2.09E-08	5.28E-04	0.000116	5.05E-06	0.000841	2.16E-08
4290	481363.09	3856877.25	0.07141	0.06812	0.07302	0.05013	1.30E-04	5.8E-06	0.00039	5.3E-08	0.00052	1.60E-04	7.10336E-06	0.000474	2.99E-08	6.41E-04	0.000141	5.46E-06	0.001021	3.09E-08
4291	481863.09	3856877.25	0.08388	0.07631	0.08637	0.06508	1.53E-04	6.5E-06	0.00046	6.9E-08	0.00062	1.87E-04	7.95739E-06	0.000561	3.88E-08	7.56E-04	0.000165	6.12E-06	0.001208	4.01E-08
4292	482363.09	3856877.25	0.09349	0.08466	0.09674	0.08928	1.70E-04	7.2E-06	0.00051	9.5E-08	0.00069	2.09E-04	8.82811E-06	0.000628	5.33E-08	8.46E-04	0.000184	6.79E-06	0.001353	5.5E-08
4293	482863.09	3856877.25	0.10969	0.1015	0.11547	0.10981	2.00E-04	8.6E-06	0.00061	1.2E-07	0.00082	2.45E-04	1.05841E-05	0.00075	6.55E-08	1.01E-03	0.000216	8.14E-06	0.001615	6.77E-08
4294	483363.09	3856877.25	0.13229	0.11916	0.14447	0.1383	2.41E-04	1E-05	0.00077	1.5E-07	0.00102	2.96E-04	1.24257E-05	0.000938	8.25E-08	1.25E-03	0.000261	9.56E-06	0.002021	8.53E-08
4295	483863.09	3856877.25	0.16263	0.13063	0.18377	0.18135	2.96E-04	1.1E-05	0.00098	1.9E-07	0.00128	3.63E-04	1.36217E-05	0.001194	1.08E-07	1.57E-03	0.00032	1.05E-05	0.002571	1.12E-07
4296	484363.09	3856877.25	0.20357	0.14044	0.23894	0.24368	3.71E-04	1.2E-05	0.00127	2.6E-07	0.00165	4.55E-04	1.46447E-05	0.001552	1.45E-07	2.02E-03	0.000401	1.13E-05	0.003343	1.5E-07
4297	484863.09	3856877.25	0.26077	0.16456	0.31345	0.33217	4.75E-04	1.4E-05	0.00167	3.5E-07	0.00216	5.82E-04	1.71599E-05	0.002036	1.98E-07	2.64E-03	0.000514	1.32E-05	0.004385	2.05E-07
4298	485363.09	3856877.25	0.36933	0.20834	0.45548	0.48048	6.73E-04	1.8E-05	0.00242	5.1E-07	0.00311	8.25E-04	2.17251E-05	0.002958	2.87E-07	3.81E-03	0.000727	1.67E-05	0.006372	2.96E-07
4299	485863.09	3856877.25	0.61684	0.28703	0.7725	0.74138	1.12E-03	2.4E-05	0.0041	7.9E-07	0.00525	1.38E-03	2.99307E-05	0.005018	4.42E-07	6.43E-03	0.001215	2.3E-05	0.010806	4.57E-07
4300	486363.09	3856877.25	2.84861	0.48597	3.121	0.77017	5.19E-03	4.1E-05	0.01658	8.2E-07	0.02182	6.36E-03	5.06756E-05	0.020272	4.6E-07	2.67E-02	0.00561	3.9E-05	0.04366	4.75E-07
4301	486863.09	3856877.25	4.21347	0.769	8.16604	3.01064	7.68E-03	6.5E-05	0.04339	3.2E-06	0.05114	9.41E-03	8.01891E-05	0.053041	1.8E-06	6.25E-02	0.008298	6.17E-05	0.114235	1.86E-06
4302	487363.09	3856877.25	1.66807	0.74846	2.32739	1.34674	3.04E-03	6.4E-05	0.01237	1.4E-06	0.01547	3.73E-03	7.80473E-05	0.015117	8.04E-07	1.89E-02	0.003285	6E-05	0.032558	8.3E-07
4303	487863.09	3856877.25	0.98586	1.06396	1.36334	1.0449	1.80E-03	9.1E-05	0.00724	1.1E-06	0.00913	2.20E-03	0.000110947	0.008855	6.24E-07	1.12E-02	0.001942	8.53E-05	0.019072	6.44E-07
4304	488363.09	3856877.25	0.71096	1.01897	0.92941	0.86581	1.30E-03	8.7E-05	0.00494	9.2E-07	0.00632	1.59E-03	0.000106255	0.006037	5.17E-07	7.73E-03	0.0014	8.17E-05	0.013002	5.34E-07
4305	488863.09	3856877.25	0.55837	0.84371	0.69534	0.71208	1.02E-03	7.2E-05	0.00369	7.6E-07	0.00478	1.25E-03	8.79797E-05	0.004516	4.25E-07	5.85E-03	0.0011	6.77E-05	0.009727	4.39E-07
4306	489363.09	3856877.25	0.45714	0.67524	0.54639	0.60012	8.33E-04	5.7E-05	0.0029	6.4E-07	0.00379	1.02E-03	7.04121E-05	0.003549	3.58E-07	4.64E-03	0.0009	5.42E-05	0.007643	3.7E-07
4307	489863.09	3856877.25	0.38429	0.54737	0.44533	0.50368	7.00E-04	4.7E-05	0.00237	5.4E-07	0.00311	8.58E-04	5.70782E-05	0.002893	3.01E-07	3.81E-03	0.000757	4.39E-05	0.00623	3.11E-07
4308	490363.09	3856877.25	0.329	0.45136	0.37234	0.41699	6.00E-04	3.8E-05	0.00198	4.4E-07	0.00262	7.35E-04	4.70665E-05	0.002418	2.49E-07	3.20E-03	0.000648	3.62E-05	0.005209	2.57E-07
4309	490863.09	3856877.25	0.28503	0.37742	0.31674	0.3518	5.20E-04	3.2E-05	0.00168	3.8E-07	0.00223	6.37E-04	3.93563E-05	0.002057	2.1E-07	2.73E-03	0.000561	3.03E-05	0.004431	2.17E-07
4310	491363.09	3856877.25	0.25011	0.32116	0.27411	0.29902	4.56E-04	2.7E-05	0.00146	3.2E-07	0.00194	5.59E-04	3.34897E-05	0.00178	1.78E-07	2.37E-03	0.000493	2.58E-05	0.003835	1.84E-07
4311	491863.09	3856877.25	0.22102	0.2756	0.24032	0.25267	4.03E-04	2.3E-05	0.00128	2.7E-07	0.0017	4.94E-04	2.87388E-05	0.001561	1.51E-07	2.08E-03	0.000435	2.21E-05	0.003362	1.56E-07
4312	492363.09	3856877.25	0.18281	0.22162	0.20114	0.18268	3.33E-04	1.9E-05	0.00107	1.9E-07	0.00142	4.08E-04	2.31099E-05	0.001306	1.09E-07	1.74E-03	0.00036	1.78E-05	0.002814	1.13E-07
4313	492863.09	3856877.25	0.14384	0.1692	0.15792	0.13641	2.62E-04	1.4E-05	0.00084	1.5E-07	0.00112	3.21E-04	1.76437E-05	0.001026	8.14E-08	1.36E-03	0.000283	1.36E-05	0.002209	8.41E-08
4314	493363.09	3856877.25	0.10302	0.11763	0.11184	0.09855	1.88E-04	1E-05	0.00059	1.1E-07	0.00079	2.30E-04	1.22661E-05	0.000726	5.88E-08	9.69E-04	0.000203	9.44E-06	0.001565	6.08E-08
4315	493863.09	3856877.25	0.06821	0.07639	0.07327	0.06918	1.24E-04	6.5E-06	0.00039	7.4E-08	0.00052	1.52E-04	7.96573E-06	0.000476	4.13E-08	6.36E-04	0.000134	6.13E-06	0.001025	4.27E-08
4316	494363.09	3856877.25	0.04741	0.05261	0.05009	0.05072	8.64E-05	4.5E-06	0.00027	5.4E-08	0.00036	1.06E-04	5.48602E-06	0.000325	3.03E-08	4.37E-04	9.34E-05	4.22E-06	0.000701	3.13E-08
4317	494863.09	3856877.25	0.03887	0.04284	0.04071	0.04214	7.09E-05	3.6E-06	0.00022	4.5E-08	0.00029	8.68E-05	4.46723E-06	0.000264	2.52E-08	3.56E-04	7.66E-05	3.44E-06	0.000569	2.6E-08
4318	495363.09	3856877.25	0.03418	0.03744	0.03556	0.03697	6.23E-05	3.2E-06	0.00019	3.9E-08	0.00025	7.63E-05	3.90414E-06	0.000231	2.21E-08	3.11E-04	6.73E-05	3E-06	0.000497	2.28E-08
4319	495863.09	3856877.25	0.03258	0.03559	0.03385	0.03495	5.94E-05	3E-06	0.00018	3.7E-08	0.00024	7.28E-05	3.71122E-06	0.00022	2.09E-08	2.96E-04	6.42E-05	2.85E-06	0.000474	2.15E-08
4320	496363.09	3856877.25	0.03166	0.03447	0.03282	0.03358	5.77E-05	2.9E-06	0.00017	3.6E-08	0.00024	7.07E-05	3.59443E-06	0.000213	2E-08	2.88E-04	6.24E-05	2.77E-06	0.000459	2.07E-08
4321	496863.09	3856877.25	0.03198	0.03475	0.03299	0.03329	5.83E-05	3E-06	0.00018	3.6E-08	0.00024	7.14E-05	3.62363E-06	0.000214	1.99E-08	2.89E-04	6.3E-05	2.79E-06	0.000461	2.05E-08
4322	497363.09	3856877.25	0.03344	0.03626	0.03453	0.03398	6.10E-05	3.1E-06	0.00018	3.6E-08	0.00025	7.47E-05	3.78109E-06	0.000224	2.03E-08	3.03E-04	6.59E-05	2.91E-06	0.000483	2.1E-08
4323	497863.09	3856877.25	0.03747	0.04061	0.03881	0.0368	6.83E-05	3.5E-06	0.00021	3.9E-08	0.00028	8.37E-05	4.2347E-06	0.000252	2.2E-08	3.40E-04	7.38E-05	3.26E-06	0.000543	2.27E-08
4324	498363.09	3856877.25	0.04237	0.04602	0.04401	0.0404	7.72E-05	3.9E-06	0.00023	4.3E-08	0.00032	9.46E-05	4.79884E-06	0.000286	2.41E-08	3.85E-04	8.34E-05	3.69E-06	0.000616	2.49E-08
4325	471363.09	3857377.25	0.00935	0.00922	0.00934	0.00694	1.70E-05	7.8E-07	5E-05	7.4E-09	6.7E-05	2.09E-05	9.61436E-07	6.07E-05	4.14E-09	8.25E-05	1.84E-05	7.4E-07	0.000131	4.28E-09
4326	471863.09	3857377.25	0.00969	0.00956	0.0097	0.00702	1.77E-05	8.1E-07	5.2E-05	7.5E-09	7E-05	2.16E-05	9.9689E-07	6.3E-05	4.19E-09	8.57E-05	1.91E-05	7.67E-07	0.000136	4.33E-09
4327	472363.09	3857377.25	0.01027	0.01009	0.01028	0.00738	1.87E-05	8.6E-07	5.5E-05	7.9E-09	7.4E-05	2.29E-05	1.05216E-06	6.68E-05	4.4E-09	9.08E-05	2.02E-05	8.09E-07	0.000144	4.55E-09

4328	472863.09	3857377.25	0.01101	0.01074	0.01101	0.00789	2.01E-05	9.1E-07	5.8E-05	8.4E-09	7.9E-05	2.46E-05	1.11994E-06	7.15E-05	4.71E-09	9.72E-05	2.17E-05	8.62E-07	0.000154	4.86E-09
4329	473363.09	3857377.25	0.01197	0.01157	0.01191	0.00863	2.18E-05	9.8E-07	6.3E-05	9.2E-09	8.6E-05	2.67E-05	1.20649E-06	7.74E-05	5.15E-09	1.05E-04	2.36E-05	9.28E-07	0.000167	5.32E-09
4330	473863.09	3857377.25	0.01314	0.0126	0.01299	0.00964	2.40E-05	1.1E-06	6.9E-05	1E-08	9.4E-05	2.94E-05	1.31389E-06	8.44E-05	5.75E-09	1.15E-04	2.59E-05	1.01E-06	0.000182	5.94E-09
4331	474363.09	3857377.25	0.01297	0.01258	0.01294	0.00876	2.36E-05	1.1E-06	6.9E-05	9.3E-09	9.3E-05	2.90E-05	1.31181E-06	8.4E-05	5.23E-09	1.14E-04	2.55E-05	1.01E-06	0.000181	5.4E-09
4332	474863.09	3857377.25	0.01061	0.01053	0.01084	0.00651	1.93E-05	9E-07	5.8E-05	6.9E-09	7.8E-05	2.37E-05	1.09804E-06	7.04E-05	3.89E-09	9.52E-05	2.09E-05	8.45E-07	0.000152	4.01E-09
4333	475363.09	3857377.25	0.00748	0.00754	0.00776	0.00478	1.36E-05	6.4E-07	4.1E-05	5.1E-09	5.6E-05	1.67E-05	7.8625E-07	5.04E-05	2.85E-09	6.79E-05	1.47E-05	6.05E-07	0.000109	2.95E-09
4334	475863.09	3857377.25	0.00698	0.007	0.00725	0.00454	1.27E-05	6E-07	3.9E-05	4.8E-09	5.2E-05	1.56E-05	7.2994E-07	4.71E-05	2.71E-09	6.34E-05	1.37E-05	5.62E-07	0.000101	2.8E-09
4335	476363.09	3857377.25	0.00947	0.00954	0.00974	0.00573	1.73E-05	8.1E-07	5.2E-05	6.1E-09	7E-05	2.12E-05	9.94804E-07	6.33E-05	3.42E-09	8.54E-05	1.87E-05	7.65E-07	0.000136	3.53E-09
4336	476863.09	3857377.25	0.01029	0.0105	0.01047	0.00613	1.88E-05	8.9E-07	5.6E-05	6.5E-09	7.5E-05	2.30E-05	1.09491E-06	6.8E-05	3.66E-09	9.21E-05	2.03E-05	8.42E-07	0.000146	3.78E-09
4337	477363.09	3857377.25	0.00897	0.0091	0.00934	0.00565	1.64E-05	7.7E-07	5E-05	6E-09	6.7E-05	2.00E-05	9.48922E-07	6.07E-05	3.37E-09	8.17E-05	1.77E-05	7.3E-07	0.000131	3.48E-09
4338	477863.09	3857377.25	0.00658	0.00654	0.00687	0.00468	1.20E-05	5.6E-07	3.7E-05	5E-09	4.9E-05	1.47E-05	6.81973E-07	4.46E-05	2.79E-09	6.00E-05	1.3E-05	5.25E-07	9.61E-05	2.89E-09
4339	478363.09	3857377.25	0.00497	0.00486	0.00513	0.00398	9.06E-06	4.1E-07	2.7E-05	4.2E-09	3.7E-05	1.11E-05	5.06787E-07	3.33E-05	2.38E-09	4.49E-05	9.79E-06	3.9E-07	7.18E-05	2.45E-09
4340	478863.09	3857377.25	0.00426	0.00418	0.00433	0.00362	7.77E-06	3.6E-07	2.3E-05	3.9E-09	3.1E-05	9.52E-06	4.35879E-07	2.81E-05	2.16E-09	3.81E-05	8.39E-06	3.35E-07	6.06E-05	2.23E-09
4341	479363.09	3857377.25	0.00723	0.00732	0.00742	0.0052	1.32E-05	6.2E-07	3.9E-05	5.5E-09	5.3E-05	1.61E-05	7.63309E-07	4.82E-05	3.1E-09	6.51E-05	1.42E-05	5.87E-07	0.000104	3.21E-09
4342	479863.09	3857377.25	0.02272	0.02384	0.02396	0.01133	4.14E-05	2E-06	0.00013	1.2E-08	0.00017	5.08E-05	2.48597E-06	0.000156	6.76E-09	2.09E-04	4.47E-05	1.91E-06	0.000335	6.99E-09
4343	480363.09	3857377.25	0.01831	0.01821	0.01943	0.00994	3.34E-05	1.5E-06	0.0001	1.1E-08	0.00014	4.09E-05	1.89889E-06	0.000126	5.93E-09	1.69E-04	3.61E-05	1.46E-06	0.000272	6.13E-09
4344	480863.09	3857377.25	0.05467	0.04912	0.05675	0.03543	9.97E-05	4.2E-06	0.0003	3.8E-08	0.00041	1.22E-04	5.12209E-06	0.000369	2.11E-08	4.96E-04	0.000108	3.94E-06	0.000794	2.18E-08
4345	481363.09	3857377.25	0.06212	0.05632	0.06499	0.03906	1.13E-04	4.8E-06	0.00035	4.2E-08	0.00046	1.39E-04	5.87289E-06	0.000422	2.33E-08	5.67E-04	0.000122	4.52E-06	0.000909	2.41E-08
4346	481863.09	3857377.25	0.07482	0.06672	0.07811	0.0546	1.36E-04	5.7E-06	0.00042	5.8E-08	0.00056	1.67E-04	6.95737E-06	0.000507	3.26E-08	6.81E-04	0.000147	5.35E-06	0.001093	3.37E-08
4347	482363.09	3857377.25	0.08491	0.07681	0.08867	0.07972	1.55E-04	6.5E-06	0.00047	8.5E-08	0.00063	1.90E-04	8.00953E-06	0.000576	4.76E-08	7.74E-04	0.000167	6.16E-06	0.00124	4.92E-08
4348	482863.09	3857377.25	0.09552	0.08666	0.10151	0.09719	1.74E-04	7.4E-06	0.00054	1E-07	0.00072	2.13E-04	9.03666E-06	0.000659	5.8E-08	8.82E-04	0.000188	6.95E-06	0.00142	5.99E-08
4349	483363.09	3857377.25	0.11081	0.09481	0.1211	0.11954	2.02E-04	8.1E-06	0.00064	1.3E-07	0.00085	2.48E-04	9.88652E-06	0.000787	7.13E-08	1.04E-03	0.000218	7.61E-06	0.001694	7.37E-08
4350	483863.09	3857377.25	0.13139	0.10553	0.14649	0.15018	2.40E-04	9E-06	0.00078	1.6E-07	0.00103	2.93E-04	1.10044E-05	0.000951	8.96E-08	1.26E-03	0.000259	8.47E-06	0.002049	9.26E-08
4351	484363.09	3857377.25	0.15627	0.11499	0.17778	0.18977	2.85E-04	9.8E-06	0.00094	2E-07	0.00124	3.49E-04	1.19908E-05	0.001155	1.13E-07	1.52E-03	0.000308	9.22E-06	0.002487	1.17E-07
4352	484863.09	3857377.25	0.19018	0.1395	0.2178	0.2426	3.47E-04	1.2E-05	0.00116	2.6E-07	0.00152	4.25E-04	1.45467E-05	0.001415	1.45E-07	1.85E-03	0.000375	1.12E-05	0.003047	1.5E-07
4353	485363.09	3857377.25	0.23852	0.18176	0.27406	0.31688	4.35E-04	1.5E-05	0.00146	3.4E-07	0.00191	5.33E-04	1.89534E-05	0.00178	1.89E-07	2.33E-03	0.00047	1.46E-05	0.003834	1.95E-07
4354	485863.09	3857377.25	0.31773	0.27549	0.36075	0.43627	5.79E-04	2.3E-05	0.00192	4.7E-07	0.00252	7.10E-04	2.87273E-05	0.002343	2.6E-07	3.08E-03	0.000626	2.21E-05	0.005047	2.69E-07
4355	486363.09	3857377.25	0.51616	0.5945	0.55807	0.64809	9.41E-04	5.1E-05	0.00297	6.9E-07	0.00396	1.15E-03	6.19928E-05	0.003625	3.87E-07	4.84E-03	0.001017	4.77E-05	0.007807	4E-07
4356	486863.09	3857377.25	1.61603	3.19391	1.00865	0.72598	2.95E-03	0.00027	0.00536	7.7E-07	0.00858	3.61E-03	0.000333052	0.006551	4.33E-07	1.05E-02	0.003183	0.000256	0.01411	4.48E-07
4357	487363.09	3857377.25	2.39127	19.37996	1.9304	3.6887	4.36E-03	0.00165	0.01026	3.9E-06	0.01627	5.34E-03	0.002020887	0.012539	2.2E-06	1.99E-02	0.00471	0.001555	0.027004	2.27E-06
4358	487863.09	3857377.25	1.08051	4.38801	1.25484	1.80014	1.97E-03	0.00037	0.00667	1.9E-06	0.00901	2.41E-03	0.000457569	0.008151	1.07E-06	1.10E-02	0.002128	0.000352	0.017554	1.11E-06
4359	488363.09	3857377.25	0.74868	1.95703	0.78513	1.26319	1.36E-03	0.00017	0.00417	1.3E-06	0.0057	1.67E-03	0.000204074	0.0051	7.54E-07	6.98E-03	0.001475	0.000157	0.010983	7.79E-07
4360	488863.09	3857377.25	0.56716	1.15825	0.57058	0.95326	1.03E-03	9.9E-05	0.00303	1E-06	0.00417	1.27E-03	0.000120779	0.003706	5.69E-07	5.09E-03	0.001117	9.29E-05	0.007982	5.88E-07
4361	489363.09	3857377.25	0.45291	0.79418	0.44874	0.73668	8.26E-04	6.8E-05	0.00238	7.9E-07	0.00328	1.01E-03	8.28148E-05	0.002915	4.4E-07	4.01E-03	0.000892	6.37E-05	0.006277	4.54E-07
4362	489863.09	3857377.25	0.37589	0.5954	0.37144	0.57276	6.85E-04	5.1E-05	0.00197	6.1E-07	0.00271	8.40E-04	6.20866E-05	0.002413	3.42E-07	3.31E-03	0.00074	4.78E-05	0.005196	3.53E-07
4363	490363.09	3857377.25	0.31857	0.46701	0.31487	0.45645	5.81E-04	4E-05	0.00167	4.9E-07	0.00229	7.12E-04	4.86985E-05	0.002045	2.72E-07	2.81E-03	0.000627	3.75E-05	0.004405	2.81E-07
4364	490863.09	3857377.25	0.27485	0.37856	0.2714	0.37358	5.01E-04	3.2E-05	0.00144	4E-07	0.00198	6.14E-04	3.94752E-05	0.001763	2.23E-07	2.42E-03	0.000541	3.04E-05	0.003797	2.3E-07
4365	491363.09	3857377.25	0.24014	0.31491	0.23732	0.31222	4.38E-04	2.7E-05	0.00126	3.3E-07	0.00173	5.36E-04	3.28379E-05	0.001541	1.86E-07	2.11E-03	0.000473	2.53E-05	0.00332	1.93E-07
4366	491863.09	3857377.25	0.21057	0.2651	0.21133	0.25122	3.84E-04	2.3E-05	0.00112	2.7E-07	0.00153	4.70E-04	2.76439E-05	0.001373	1.5E-07	1.87E-03	0.000415	2.13E-05	0.002956	1.55E-07
4367	492363.09	3857377.25	0.16457	0.19992	0.17158	0.1666	3.00E-04	1.7E-05	0.00091	1.8E-07	0.00123	3.68E-04	2.08471E-05	0.001114	9.94E-08	1.50E-03	0.000324	1.6E-05	0.0024	1.03E-07
4368	492863.09	3857377.25	0.11415	0.13317	0.11939	0.11292	2.08E-04	1.1E-05	0.00063	1.2E-07	0.00085	2.55E-04	1.38866E-05	0.000775	6.74E-08	1.04E-03	0.000225	1.07E-05	0.00167	6.96E-08
4369	493363.09	3857377.25	0.07625	0.08702	0.07921	0.07883	1.39E-04	7.4E-06	0.00042	8.4E-08	0.00057	1.70E-04	9.0742E-06	0.000514	4.7E-08	6.94E-04	0.00015	6.98E-06	0.001108	4.86E-08
4370	493863.09	3857377.25	0.06159	0.06939	0.06349	0.06463	1.12E-04	5.9E-06	0.00034	6.9E-08	0.00046	1.38E-04	7.23579E-06	0.000412	3.86E-08	5.57E-04	0.000121	5.57E-06	0.000888	3.98E-08
4371	494363.09	3857377.25	0.04898	0.05469	0.04977	0.05229	8.93E-05	4.7E-06	0.00026	5.6E-08	0.00036	1.09E-04	5.70292E-06	0.000323	3.12E-08	4.38E-04	9.65E-05	4.39E-06	0.000696	3.22E-08
4372	494863.09	3857377.25	0.04301	0.04775	0.04353	0.04597	7.84E-05	4.1E-06	0.00023	4.9E-08	0.00031	9.61E-05	4.97924E-06	0.000283	2.74E-08	3.84E-04	8.47E-05	3.83E-06	0.000609	2.83E-08
4373	495363.09	3857377.25	0.03847	0.04247	0.03899	0.04115	7.01E-05	3.6E-06	0.00021	4.4E-08	0.00028	8.59E-05	4.42865E-06	0.000253	2.46E-08	3.44E-04	7.58E-05	3.41E-06	0.000545	2.54E-08
4374	495863.09	3857377.25	0.03675	0.04038	0.03726	0.03881	6.70E-05	3.4E-06	0.0002	4.1E-08	0.00027	8.21E-05	4.21071E-06	0.000242	2.32E-08	3.28E-04	7.24E-05	3.24E-06	0.000521	2.39E-08
4375	496363.09	3857377.25	0.03579	0.03915	0.03632	0.03725	6.52E-05	3.3E-06	0.00019	4E-08	0.00026	7.99E-05	4.08245E-06	0.000236	2.22E-08	3.20E-04	7.05E-05	3.14E-06	0.000508	2.3E-08
4376	496863.09	3857377.25	0.03543	0.0386	0.03586	0.0362	6.46E-05	3.3E-06	0.00019	3.9E-08	0.00026	7.91E-05	4.0251E-06	0.000233	2.16E-08	3.16E-04	6.98E-05	3.1E-06	0.000502	2.23E-08
4377	497363.09	3857377.25	0.03685	0.04012	0.03761	0.03691	6.72E-05	3.4E-06	0.0002	3.9E-08	0.00027	8.23E-05	4.1836E-06	0.000244	2.2E-08	3.31E-04	7.26E-05	3.22E-06	0.000526	2.28E-08
4378	497863.09	3857377.25	0.03975	0.04335	0.04057	0.03871	7.25E-05	3.7E-06	0.00022	4.1E-08	0.00029	8.88E-05	4.52042E-06	0.000264	2.31E-08	3.57E-04	7.83E-05	3.48E-06	0.000568	2.39E-08
4379	498363.09	3857377.25	0.04807	0.05256	0.04934	0.04522	8.76E-05	4.5E-06	0.00026	4.8E-08	0.00035	1.07E-04	5.48081E-06	0.00032	2.7E-08	4.33E-04	9.47E-05	4.22E-06	0.00069	2.79E-08
4380	471363.09	3857877.25	0.00941	0.00833	0.00951	0.00691	1.72E-05	7.1E-07	5.1E-05	7.4E-09	6.8E-05	2.10E-05	8.68629E-07	6.18E-05	4.12E-09	8.37E-05	1.85E-05	6.68E-07	0.000133	4.26E-09
4381	471863.09	3857877.25	0.00984	0.00871	0.00993	0.00709	1.79E-05	7.4E-07	5.3E-05	7.6E-09	7.1E-05	2.20E-05	9.08254E-07	6.45E-05	4.23E-09	8.74E-05	1.94E-05	6.99E-07	0.000139	4.37E-09
4382	472363.09	3857877.25	0.01044	0.0093	0.0105	0.00746	1.90E-05	7.9E-07	5.6E-05	8E-09	7.6E-05	2.33E-05	9.69778E-07	6.82E-05	4.45E-09	9.25E-05	2.06E-05	7.46E-07	0.000147	4.6E-09
4383	472863.09	3857877.25	0.01134	0.0102	0.01134	0.00818	2.07E-05	8.7E-07	6E-05	8.7E-09	8.2E-05	2.53E-05	1.06363E-06	7.37E-05	4.88E-09	1.00E-04	2.23E-05	8.18E-07	0.000159	5.04E-09
4384	473363.09	3857877.25	0.0121	0.01104	0.01207	0.00862	2.21E-05	9.4E-07	6.4E-05	9.2E-09	8.7E-05	2.70E-05	1.15122E-06	7.84E-05	5.14E-09	1.07E-04	2.38E-05	8.86E-07	0.000169	5.31E-09
4385	473863.09	3857877.25	0.01317	0.01218	0.01304	0.0094	2.40E-05	1E-06	6.9E-05	1E-08	9.4E-05	2.94E-05	1.2701E-06	8.47E-05	5.61E-09	1.15E-04	2.59E-05	9.77E-07	0.000182	5.8E-09
4386	474363.09	3857877.25	0.01286	0.0122	0.0129	0.00824	2.34E-05	1E-06	6.9E-05	8.8E-09	9.3E-05	2.87E-05	1.27218E-06	8.38E-05	4.92E-09	1.14E-04	2.53E-05	9.79E-07	0.00018	5.08E-09
4387	474863.09	3857877.25	0.01016	0.0099	0.01045	0.00594	1.85E-05	8.4E-07	5.6E-05	6.3E-09	7.5E-05	2.27E-05	1.03234E-06	6.79E-05	3.55E-09	9.16E-05	2E-05	7.94E-07	0.000146	3.66E-09
4388	475363.09	3857877.25	0.00561	0.00557	0.00583	0.00375	1.02E-05	4.7E-07	3.1E-05	4E-09	4.2E-05	1.25E-05	5.80824E-07	3.79E-05	2.24E-09	5.10E-05	1.1E-05	4.47E-07	8.16E-05	2.31E-09

4389	475863.09	3857877.25	0.0025	0.00243	0.00253	0.0022	4.56E-06	2.1E-07	1.3E-05	2.3E-09	1.8E-05	5.58E-06	2.53394E-07	1.64E-05	1.31E-09	2.23E-05	4.92E-06	1.95E-07	3.54E-05	1.36E-09
4390	476363.09	3857877.25	0.0065	0.00643	0.00683	0.00426	1.18E-05	5.5E-07	3.6E-05	4.5E-09	4.9E-05	1.45E-05	6.70502E-07	4.44E-05	2.54E-09	5.96E-05	1.28E-05	5.16E-07	9.55E-05	2.63E-09
4391	476863.09	3857877.25	0.00835	0.00807	0.00869	0.00512	1.52E-05	6.9E-07	4.6E-05	5.5E-09	6.2E-05	1.87E-05	8.41517E-07	5.64E-05	3.06E-09	7.59E-05	1.64E-05	6.47E-07	0.000122	3.16E-09
4392	477363.09	3857877.25	0.00819	0.00779	0.00861	0.00511	1.49E-05	6.6E-07	4.6E-05	5.5E-09	6.1E-05	1.83E-05	8.12319E-07	5.59E-05	3.05E-09	7.50E-05	1.61E-05	6.25E-07	0.00012	3.15E-09
4393	477863.09	3857877.25	0.00791	0.00765	0.00819	0.00504	1.44E-05	6.5E-07	4.4E-05	5.4E-09	5.9E-05	1.77E-05	7.9772E-07	5.32E-05	3.01E-09	7.17E-05	1.56E-05	6.14E-07	0.000115	3.11E-09
4394	478363.09	3857877.25	0.00419	0.00418	0.00422	0.00333	7.64E-06	3.6E-07	2.2E-05	3.6E-09	3E-05	9.36E-06	4.35879E-07	2.74E-05	1.99E-09	3.72E-05	8.25E-06	3.35E-07	5.9E-05	2.05E-09
4395	478863.09	3857877.25	0.00342	0.00338	0.00342	0.00289	6.23E-06	2.9E-07	1.8E-05	3.1E-09	2.5E-05	7.64E-06	3.52457E-07	2.22E-05	1.72E-09	3.02E-05	6.74E-06	2.71E-07	4.78E-05	1.78E-09
4396	479363.09	3857877.25	0.02038	0.02049	0.02199	0.01021	3.71E-05	1.7E-06	0.00012	1.1E-08	0.00016	4.55E-05	2.13664E-06	0.000143	6.09E-09	1.90E-04	4.01E-05	1.64E-06	0.000308	6.3E-09
4397	479863.09	3857877.25	0.03684	0.03376	0.0392	0.02172	6.72E-05	2.9E-06	0.00021	2.3E-08	0.00028	8.23E-05	3.5204E-06	0.000255	1.3E-08	3.40E-04	7.26E-05	2.71E-06	0.000548	1.34E-08
4398	480363.09	3857877.25	0.04432	0.04048	0.04653	0.03034	8.08E-05	3.4E-06	0.00025	3.2E-08	0.00033	9.90E-05	4.22114E-06	0.000302	1.81E-08	4.05E-04	8.73E-05	3.25E-06	0.000651	1.87E-08
4399	480863.09	3857877.25	0.05011	0.04603	0.05268	0.03449	9.13E-05	3.9E-06	0.00028	3.7E-08	0.00038	1.12E-04	4.79988E-06	0.000342	2.06E-08	4.59E-04	9.87E-05	3.69E-06	0.000737	2.13E-08
4400	481363.09	3857877.25	0.05697	0.05205	0.06007	0.03983	1.04E-04	4.4E-06	0.00032	4.2E-08	0.00043	1.27E-04	5.42763E-06	0.00039	2.38E-08	5.23E-04	0.000112	4.18E-06	0.00084	2.46E-08
4401	481863.09	3857877.25	0.06627	0.06215	0.06969	0.04896	1.21E-04	5.3E-06	0.00037	5.2E-08	0.0005	1.48E-04	6.48083E-06	0.000453	2.92E-08	6.07E-04	0.000131	4.99E-06	0.000975	3.02E-08
4402	482363.09	3857877.25	0.07673	0.0716	0.08084	0.06717	1.40E-04	6.1E-06	0.00043	7.2E-08	0.00058	1.71E-04	7.46625E-06	0.000525	4.01E-08	7.04E-04	0.000151	5.74E-06	0.001131	4.14E-08
4403	482863.09	3857877.25	0.08218	0.07514	0.08749	0.08613	1.50E-04	6.4E-06	0.00046	9.2E-08	0.00062	1.84E-04	7.83539E-06	0.000568	5.14E-08	7.60E-04	0.000162	6.03E-06	0.001224	5.31E-08
4404	483363.09	3857877.25	0.0932	0.08046	0.10073	0.10314	1.70E-04	6.8E-06	0.00054	1.1E-07	0.00071	2.08E-04	8.39014E-06	0.000654	6.16E-08	8.71E-04	0.000184	6.45E-06	0.001409	6.36E-08
4405	483863.09	3857877.25	0.10734	0.08991	0.1175	0.12402	1.96E-04	7.7E-06	0.00062	1.3E-07	0.00083	2.40E-04	9.37556E-06	0.000763	7.4E-08	1.01E-03	0.000211	7.21E-06	0.001644	7.65E-08
4406	484363.09	3857877.25	0.12358	0.0994	0.13638	0.15009	2.25E-04	8.5E-06	0.00072	1.6E-07	0.00096	2.76E-04	1.03652E-05	0.000886	8.96E-08	1.17E-03	0.000243	7.97E-06	0.001908	9.25E-08
4407	484863.09	3857877.25	0.14394	0.12144	0.15767	0.18238	2.62E-04	1E-05	0.00084	1.9E-07	0.00111	3.22E-04	1.26634E-05	0.001024	1.09E-07	1.36E-03	0.000283	9.74E-06	0.002206	1.12E-07
4408	485363.09	3857877.25	0.16982	0.16373	0.18209	0.2235	3.10E-04	1.4E-05	0.00097	2.4E-07	0.00129	3.79E-04	1.70733E-05	0.001183	1.33E-07	1.58E-03	0.000334	1.31E-05	0.002547	1.38E-07
4409	485863.09	3857877.25	0.20617	0.2354	0.20865	0.28428	3.76E-04	2E-05	0.00111	3E-07	0.0015	4.61E-04	2.45468E-05	0.001355	1.7E-07	1.84E-03	0.000406	1.89E-05	0.002919	1.75E-07
4410	486363.09	3857877.25	0.26286	0.35199	0.24095	0.37857	4.79E-04	3E-05	0.00128	4E-07	0.00179	5.87E-04	3.67045E-05	0.001565	2.26E-07	2.19E-03	0.000518	2.82E-05	0.003371	2.33E-07
4411	486863.09	3857877.25	0.37588	0.5707	0.26641	0.57268	6.85E-04	4.9E-05	0.00142	6.1E-07	0.00215	8.40E-04	5.9511E-05	0.00173	3.42E-07	2.63E-03	0.00074	4.58E-05	0.003727	3.53E-07
4412	487363.09	3857877.25	0.88271	0.66752	0.32699	1.15828	1.61E-03	5.7E-05	0.00174	1.2E-06	0.0034	1.97E-03	6.96071E-05	0.002124	6.91E-07	4.17E-03	0.001738	5.35E-05	0.004574	7.14E-07
4413	487863.09	3857877.25	1.46317	0.8152	0.37079	4.92963	2.67E-03	6.9E-05	0.00197	5.3E-06	0.00471	3.27E-03	8.50068E-05	0.002408	2.94E-06	5.76E-03	0.002882	6.54E-05	0.005187	3.04E-06
4414	488363.09	3857877.25	0.72276	0.77404	0.36258	2.08807	1.32E-03	6.6E-05	0.00193	2.2E-06	0.00331	1.61E-03	8.07147E-05	0.002355	1.25E-06	4.05E-03	0.001423	6.21E-05	0.005072	1.29E-06
4415	488863.09	3857877.25	0.51042	0.63916	0.32469	1.10758	9.30E-04	5.4E-05	0.00173	1.2E-06	0.00271	1.14E-03	6.66498E-05	0.002109	6.61E-07	3.32E-03	0.001005	5.13E-05	0.004542	6.83E-07
4416	489363.09	3857877.25	0.40688	0.5369	0.29247	0.72594	7.42E-04	4.6E-05	0.00155	7.7E-07	0.00234	9.09E-04	5.59864E-05	0.0019	4.33E-07	2.86E-03	0.000801	4.31E-05	0.004091	4.48E-07
4417	489863.09	3857877.25	0.33848	0.45026	0.26212	0.53036	6.17E-04	3.8E-05	0.00139	5.7E-07	0.00205	7.56E-04	4.69518E-05	0.001703	3.17E-07	2.51E-03	0.000667	3.61E-05	0.003667	3.27E-07
4418	490363.09	3857877.25	0.28829	0.37503	0.2338	0.41742	5.26E-04	3.2E-05	0.00124	4.5E-07	0.0018	6.44E-04	3.91071E-05	0.001519	2.49E-07	2.20E-03	0.000568	3.01E-05	0.003271	2.57E-07
4419	490863.09	3857877.25	0.24917	0.31606	0.21001	0.34067	4.54E-04	2.7E-05	0.00112	3.6E-07	0.0016	5.57E-04	3.29578E-05	0.001364	2.03E-07	1.95E-03	0.000491	2.54E-05	0.002938	2.1E-07
4420	491363.09	3857877.25	0.21555	0.2697	0.19058	0.26967	3.93E-04	2.3E-05	0.00101	2.9E-07	0.00143	4.81E-04	2.81236E-05	0.001238	1.61E-07	1.75E-03	0.000425	2.16E-05	0.002666	1.66E-07
4421	491863.09	3857877.25	0.18366	0.22515	0.17196	0.20429	3.35E-04	1.9E-05	0.00091	2.2E-07	0.00127	4.10E-04	2.3478E-05	0.001117	1.22E-07	1.55E-03	0.000362	1.81E-05	0.002406	1.26E-07
4422	492363.09	3857877.25	0.13322	0.15771	0.13107	0.13118	2.43E-04	1.3E-05	0.0007	1.4E-07	0.00095	2.98E-04	1.64456E-05	0.000851	7.83E-08	1.17E-03	0.000262	1.27E-05	0.001834	8.09E-08
4423	492863.09	3857877.25	0.0893	0.10174	0.08777	0.08955	1.63E-04	8.7E-06	0.00047	9.6E-08	0.00064	1.99E-04	1.06092E-05	0.00057	5.34E-08	7.80E-04	0.000176	8.16E-06	0.001228	5.52E-08
4424	493363.09	3857877.25	0.07179	0.08022	0.07085	0.07306	1.31E-04	6.8E-06	0.00038	7.8E-08	0.00051	1.60E-04	8.36511E-06	0.00046	4.36E-08	6.29E-04	0.000141	6.44E-06	0.000991	4.5E-08
4425	493863.09	3857877.25	0.06252	0.06885	0.06203	0.06388	1.14E-04	5.9E-06	0.00033	6.8E-08	0.00045	1.40E-04	7.17948E-06	0.000403	3.81E-08	5.50E-04	0.000123	5.52E-06	0.000868	3.94E-08
4426	494363.09	3857877.25	0.05596	0.06086	0.05586	0.05722	1.02E-04	5.2E-06	0.0003	6.1E-08	0.0004	1.25E-04	6.34631E-06	0.000363	3.42E-08	4.94E-04	0.00011	4.88E-06	0.000781	3.53E-08
4427	494863.09	3857877.25	0.047	0.05064	0.04676	0.04863	8.57E-05	4.3E-06	0.00025	5.2E-08	0.00034	1.05E-04	5.2806E-06	0.000304	2.9E-08	4.14E-04	9.26E-05	4.06E-06	0.000654	3E-08
4428	495363.09	3857877.25	0.04355	0.04673	0.04348	0.04482	7.94E-05	4E-06	0.00023	4.8E-08	0.00031	9.73E-05	4.87287E-06	0.000282	2.68E-08	3.85E-04	8.58E-05	3.75E-06	0.000608	2.76E-08
4429	495863.09	3857877.25	0.04066	0.04358	0.04072	0.04157	7.41E-05	3.7E-06	0.00022	4.4E-08	0.00029	9.08E-05	4.5444E-06	0.000264	2.48E-08	3.60E-04	8.01E-05	3.5E-06	0.00057	2.56E-08
4430	496363.09	3857877.25	0.04039	0.04343	0.04084	0.04074	7.36E-05	3.7E-06	0.00022	4.3E-08	0.00029	9.02E-05	4.52876E-06	0.000265	2.43E-08	3.60E-04	7.95E-05	3.48E-06	0.000571	2.51E-08
4431	496863.09	3857877.25	0.04023	0.0434	0.04061	0.03982	7.33E-05	3.7E-06	0.00022	4.2E-08	0.00029	8.99E-05	4.52563E-06	0.000264	2.38E-08	3.58E-04	7.92E-05	3.48E-06	0.000568	2.46E-08
4432	497363.09	3857877.25	0.03936	0.04252	0.03978	0.03852	7.17E-05	3.6E-06	0.00021	4.1E-08	0.00029	8.79E-05	4.43387E-06	0.000258	2.3E-08	3.51E-04	7.75E-05	3.41E-06	0.000556	2.38E-08
4433	497863.09	3857877.25	0.04462	0.04851	0.0453	0.04234	8.13E-05	4.1E-06	0.00024	4.5E-08	0.00033	9.97E-05	5.05849E-06	0.000294	2.53E-08	3.99E-04	8.79E-05	3.89E-06	0.000634	2.61E-08
4434	498363.09	3857877.25	0.04962	0.05413	0.05064	0.04649	9.04E-05	4.6E-06	0.00027	5E-08	0.00036	1.11E-04	5.64452E-06	0.000329	2.77E-08	4.45E-04	9.77E-05	4.34E-06	0.000708	2.87E-08
4435	471363.09	3858377.25	0.00966	0.0092	0.00969	0.00717	1.76E-05	7.8E-07	5.1E-05	7.6E-09	7E-05	2.16E-05	9.5935E-07	6.29E-05	4.28E-09	8.55E-05	1.9E-05	7.38E-07	0.000136	4.42E-09
4436	471863.09	3858377.25	0.01013	0.00982	0.01015	0.00735	1.85E-05	8.4E-07	5.4E-05	7.8E-09	7.3E-05	2.26E-05	1.024E-06	6.59E-05	4.39E-09	8.96E-05	2E-05	7.88E-07	0.000142	4.53E-09
4437	472363.09	3858377.25	0.01065	0.01051	0.01067	0.00756	1.94E-05	8.9E-07	5.7E-05	8.1E-09	7.7E-05	2.38E-05	1.09595E-06	6.93E-05	4.51E-09	9.42E-05	2.1E-05	8.43E-07	0.000149	4.66E-09
4438	472863.09	3858377.25	0.01146	0.01152	0.01141	0.00811	2.09E-05	9.8E-07	6.1E-05	8.7E-09	8.3E-05	2.56E-05	1.20127E-06	7.41E-05	4.84E-09	1.01E-04	2.26E-05	9.24E-07	0.00016	5E-09
4439	473363.09	3858377.25	0.01272	0.01303	0.01254	0.00936	2.32E-05	1.1E-06	6.7E-05	1E-08	9.1E-05	2.84E-05	1.35873E-06	8.15E-05	5.59E-09	1.11E-04	2.51E-05	1.05E-06	0.000175	5.77E-09
4440	473863.09	3858377.25	0.01328	0.01396	0.01313	0.00923	2.42E-05	1.2E-06	7E-05	9.8E-09	9.5E-05	2.97E-05	1.45571E-06	8.53E-05	5.51E-09	1.16E-04	2.62E-05	1.12E-06	0.000184	5.69E-09
4441	474363.09	3858377.25	0.01261	0.01353	0.01273	0.00774	2.30E-05	1.2E-06	6.8E-05	8.3E-09	9.2E-05	2.82E-05	1.41087E-06	8.27E-05	4.62E-09	1.12E-04	2.48E-05	1.09E-06	0.000178	4.77E-09
4442	474863.09	3858377.25	0.01062	0.01123	0.01103	0.00604	1.94E-05	9.6E-07	5.9E-05	6.4E-09	7.9E-05	2.37E-05	1.17103E-06	7.16E-05	3.6E-09	9.65E-05	2.09E-05	9.01E-07	0.000154	3.72E-09
4443	475363.09	3858377.25	0.00705	0.0071	0.00742	0.00428	1.29E-05	6E-07	3.9E-05	4.6E-09	5.3E-05	1.57E-05	7.40368E-07	4.82E-05	2.55E-09	6.47E-05	1.39E-05	5.7E-07	0.000104	2.64E-09
4444	475863.09	3858377.25	0.00489	0.00473	0.0051	0.00337	8.91E-06	4E-07	2.7E-05	3.6E-09	3.6E-05	1.09E-05	4.93231E-07	3.31E-05	2.01E-09	4.45E-05	9.63E-06	3.79E-07	7.13E-05	2.08E-09
4445	476363.09	3858377.25	0.00541	0.00518	0.00562	0.00364	9.86E-06	4.4E-07	3E-05	3.9E-09	4E-05	1.21E-05	5.40156E-07	3.65E-05	2.17E-09	4.91E-05	1.07E-05	4.16E-07	7.86E-05	2.24E-09
4446	476863.09	3858377.25	0.00611	0.00595	0.00618	0.00395	1.11E-05	5.1E-07	3.3E-05	4.2E-09	4.4E-05	1.36E-05	6.20449E-07	4.01E-05	2.36E-09	5.44E-05	1.2E-05	4.77E-07	8.65E-05	2.44E-09
4447	477363.09	3858377.25	0.00579	0.00583	0.0059	0.00385	1.06E-05	5E-07	3.1E-05	4.1E-09	4.2E-05	1.29E-05	6.07936E-07	3.83E-05	2.3E-09	5.19E-05	1.14E-05	4.68E-07	8.25E-05	2.37E-09
4448	477863.09	3858377.25	0.00818	0.0086	0.00851	0.00488	1.49E-05	7.3E-07	4.5E-05	5.2E-09	6.1E-05	1.83E-05	8.96784E-07	5.53E-05	2.91E-09	7.44E-05	1.61E-05	6.9E-07	0.000119	3.01E-09
4449	478363.09	3858377.25	0.00894	0.00916	0.00942	0.00528	1.63E-05	7.8E-07	5E-05	5.6E-09	6.7E-05	2.00E-05	9.55179E-07	6.12E-05	3.15E-09	8.21E-05	1.76E-05	7.35E-07	0.000132	3.26E-09

4450	478863.09	3858377.25	0.0058	0.00568	0.00603	0.00399	1.06E-05	4.8E-07	3.2E-05	4.3E-09	4.3E-05	1.30E-05	5.92294E-07	3.92E-05	2.38E-09	5.27E-05	1.14E-05	4.56E-07	8.44E-05	2.46E-09
4451	479363.09	3858377.25	0.0212	0.02088	0.02258	0.0108	3.86E-05	1.8E-06	0.00012	1.2E-08	0.00016	4.74E-05	2.17731E-06	0.000147	6.45E-09	1.96E-04	4.18E-05	1.67E-06	0.000316	6.66E-09
4452	479863.09	3858377.25	0.0361	0.0342	0.03786	0.02416	6.58E-05	2.9E-06	0.0002	2.6E-08	0.00027	8.06E-05	3.56628E-06	0.000246	1.44E-08	3.30E-04	7.11E-05	2.74E-06	0.00053	1.49E-08
4453	480363.09	3858377.25	0.04196	0.03833	0.04365	0.03187	7.65E-05	3.3E-06	0.00023	3.4E-08	0.00031	9.37E-05	3.99694E-06	0.000284	1.9E-08	3.81E-04	8.26E-05	3.07E-06	0.000611	1.97E-08
4454	480863.09	3858377.25	0.04668	0.04195	0.04855	0.03542	8.51E-05	3.6E-06	0.00026	3.8E-08	0.00035	1.04E-04	4.37443E-06	0.000315	2.11E-08	4.24E-04	9.19E-05	3.37E-06	0.000679	2.18E-08
4455	481363.09	3858377.25	0.05254	0.04845	0.05469	0.04071	9.58E-05	4.1E-06	0.00029	4.3E-08	0.00039	1.17E-04	5.05223E-06	0.000355	2.43E-08	4.78E-04	0.000103	3.89E-06	0.000765	2.51E-08
4456	481863.09	3858377.25	0.05922	0.05492	0.0622	0.04504	1.08E-04	4.7E-06	0.00033	4.8E-08	0.00044	1.32E-04	5.7269E-06	0.000404	2.69E-08	5.42E-04	0.000117	4.41E-06	0.00087	2.78E-08
4457	482363.09	3858377.25	0.06734	0.06328	0.07145	0.05411	1.23E-04	5.4E-06	0.00038	5.8E-08	0.00051	1.50E-04	6.59866E-06	0.000464	3.23E-08	6.21E-04	0.000133	5.08E-06	0.001	3.34E-08
4458	482863.09	3858377.25	0.07555	0.06839	0.08076	0.0721	1.38E-04	5.8E-06	0.00043	7.7E-08	0.00057	1.69E-04	7.13152E-06	0.000525	4.3E-08	7.00E-04	0.000149	5.49E-06	0.00113	4.45E-08
4459	483363.09	3858377.25	0.08031	0.07243	0.08568	0.08897	1.46E-04	6.2E-06	0.00046	9.5E-08	0.00061	1.79E-04	7.5528E-06	0.000557	5.31E-08	7.44E-04	0.000158	5.81E-06	0.001199	5.49E-08
4460	483863.09	3858377.25	0.088	0.08026	0.09412	0.10292	1.60E-04	6.8E-06	0.0005	1.1E-07	0.00067	1.97E-04	8.36929E-06	0.000611	6.14E-08	8.16E-04	0.000173	6.44E-06	0.001317	6.35E-08
4461	484363.09	3858377.25	0.09916	0.09296	0.10554	0.12067	1.81E-04	7.9E-06	0.00056	1.3E-07	0.00075	2.21E-04	9.69361E-06	0.000686	7.2E-08	9.17E-04	0.000195	7.46E-06	0.001476	7.44E-08
4462	484863.09	3858377.25	0.11149	0.11127	0.11552	0.14084	2.03E-04	9.5E-06	0.00061	1.5E-07	0.00083	2.49E-04	1.16029E-05	0.00075	8.41E-08	1.01E-03	0.00022	8.93E-06	0.001616	8.68E-08
4463	485363.09	3858377.25	0.12598	0.12984	0.12647	0.16348	2.30E-04	1.1E-05	0.00067	1.7E-07	0.00091	2.81E-04	1.35393E-05	0.000821	9.76E-08	1.12E-03	0.000248	1.04E-05	0.001769	1.01E-07
4464	485863.09	3858377.25	0.14498	0.14881	0.13832	0.19479	2.64E-04	1.3E-05	0.00073	2.1E-07	0.00101	3.24E-04	1.55175E-05	0.000898	1.16E-07	1.24E-03	0.000286	1.19E-05	0.001935	1.2E-07
4465	486363.09	3858377.25	0.16882	0.20009	0.14458	0.23537	3.08E-04	1.7E-05	0.00077	2.5E-07	0.00109	3.77E-04	2.08648E-05	0.000939	1.4E-07	1.34E-03	0.000332	1.61E-05	0.002023	1.45E-07
4466	486863.09	3858377.25	0.2007	0.23352	0.14731	0.29011	3.66E-04	2E-05	0.00078	3.1E-07	0.00117	4.48E-04	2.43508E-05	0.000957	1.73E-07	1.43E-03	0.000395	1.87E-05	0.002061	1.79E-07
4467	487363.09	3858377.25	0.25922	0.22099	0.1538	0.36958	4.73E-04	1.9E-05	0.00082	3.9E-07	0.00131	5.79E-04	2.30442E-05	0.000999	2.21E-07	1.60E-03	0.000511	1.77E-05	0.002152	2.28E-07
4468	487863.09	3858377.25	0.4429	0.24886	0.16265	0.47005	8.07E-04	2.1E-05	0.00086	5E-07	0.00169	9.89E-04	2.59504E-05	0.001056	2.81E-07	2.07E-03	0.000872	2E-05	0.002275	2.9E-07
4469	488363.09	3858377.25	1.1369	0.26893	0.16833	0.51463	2.07E-03	2.3E-05	0.00089	5.5E-07	0.00299	2.54E-03	2.80433E-05	0.001093	3.07E-07	3.66E-03	0.002239	2.16E-05	0.002355	3.17E-07
4470	488863.09	3858377.25	0.52045	0.27614	0.16231	0.47936	9.49E-04	2.3E-05	0.00086	5.1E-07	0.00184	1.16E-03	2.87951E-05	0.001054	2.86E-07	2.25E-03	0.001025	2.22E-05	0.002271	2.96E-07
4471	489363.09	3858377.25	0.37548	0.28345	0.17018	0.41334	6.84E-04	2.4E-05	0.0009	4.4E-07	0.00161	8.39E-04	2.95574E-05	0.001105	2.47E-07	1.97E-03	0.000739	2.27E-05	0.002381	2.55E-07
4472	489863.09	3858377.25	0.30237	0.26644	0.16964	0.35357	5.51E-04	2.3E-05	0.0009	3.8E-07	0.00148	6.75E-04	2.77836E-05	0.001102	2.11E-07	1.81E-03	0.000596	2.14E-05	0.002373	2.18E-07
4473	490363.09	3858377.25	0.2524	0.24757	0.16286	0.30276	4.60E-04	2.1E-05	0.00087	3.2E-07	0.00135	5.64E-04	2.58159E-05	0.001058	1.81E-07	1.65E-03	0.000497	1.99E-05	0.002278	1.87E-07
4474	490863.09	3858377.25	0.21589	0.22831	0.15334	0.26014	3.94E-04	1.9E-05	0.00081	2.8E-07	0.00123	4.82E-04	2.38075E-05	0.000996	1.55E-07	1.50E-03	0.000425	1.83E-05	0.002145	1.6E-07
4475	491363.09	3858377.25	0.18451	0.20898	0.1441	0.21076	3.36E-04	1.8E-05	0.00077	2.2E-07	0.00112	4.12E-04	2.17918E-05	0.000936	1.26E-07	1.37E-03	0.000363	1.68E-05	0.002016	1.3E-07
4476	491863.09	3858377.25	0.14555	0.17254	0.12752	0.14332	2.65E-04	1.5E-05	0.00068	1.5E-07	0.00096	3.25E-04	1.7992E-05	0.000828	8.55E-08	1.17E-03	0.000287	1.38E-05	0.001784	8.84E-08
4477	492363.09	3858377.25	0.09532	0.11096	0.0872	0.0904	1.74E-04	9.4E-06	0.00046	9.6E-08	0.00065	2.13E-04	1.15706E-05	0.000566	5.4E-08	7.91E-04	0.000188	8.9E-06	0.00122	5.57E-08
4478	492863.09	3858377.25	0.09824	0.11455	0.09287	0.0926	1.79E-04	9.7E-06	0.00049	9.9E-08	0.00068	2.19E-04	1.1945E-05	0.000603	5.53E-08	8.35E-04	0.000193	9.19E-06	0.001299	5.71E-08
4479	493363.09	3858377.25	0.0816	0.09312	0.07803	0.07753	1.49E-04	7.9E-06	0.00041	8.3E-08	0.00057	1.82E-04	9.71029E-06	0.000507	4.63E-08	6.99E-04	0.000161	7.47E-06	0.001092	4.78E-08
4480	493863.09	3858377.25	0.07262	0.08178	0.07037	0.06923	1.32E-04	7E-06	0.00037	7.4E-08	0.00051	1.62E-04	8.52779E-06	0.000457	4.13E-08	6.28E-04	0.000143	6.56E-06	0.000984	4.27E-08
4481	494363.09	3858377.25	0.06327	0.07024	0.06181	0.0607	1.15E-04	6E-06	0.00033	6.5E-08	0.00045	1.41E-04	7.32443E-06	0.000401	3.62E-08	5.50E-04	0.000125	5.63E-06	0.000865	3.74E-08
4482	494863.09	3858377.25	0.05588	0.06113	0.05493	0.05397	1.02E-04	5.2E-06	0.00029	5.8E-08	0.0004	1.25E-04	6.37446E-06	0.000357	3.22E-08	4.88E-04	0.00011	4.9E-06	0.000768	3.33E-08
4483	495363.09	3858377.25	0.04818	0.05191	0.04753	0.04707	8.78E-05	4.4E-06	0.00025	5E-08	0.00034	1.08E-04	5.41303E-06	0.000309	2.81E-08	4.22E-04	9.49E-05	4.16E-06	0.000665	2.9E-08
4484	495863.09	3858377.25	0.04627	0.04932	0.04602	0.04503	8.43E-05	4.2E-06	0.00024	4.8E-08	0.00033	1.03E-04	5.14295E-06	0.000299	2.69E-08	4.07E-04	9.11E-05	3.96E-06	0.000644	2.78E-08
4485	496363.09	3858377.25	0.04407	0.0466	0.04412	0.04279	8.03E-05	4E-06	0.00023	4.6E-08	0.00032	9.84E-05	4.85932E-06	0.000287	2.55E-08	3.90E-04	8.68E-05	3.74E-06	0.000617	2.64E-08
4486	496863.09	3858377.25	0.04545	0.04795	0.04587	0.04351	8.28E-05	4.1E-06	0.00024	4.6E-08	0.00033	1.02E-04	5.00009E-06	0.000298	2.6E-08	4.04E-04	8.95E-05	3.85E-06	0.000642	2.68E-08
4487	497363.09	3858377.25	0.04497	0.04748	0.04577	0.04282	8.20E-05	4E-06	0.00024	4.6E-08	0.00033	1.00E-04	4.95108E-06	0.000297	2.56E-08	4.03E-04	8.86E-05	3.81E-06	0.00064	2.64E-08
4488	497863.09	3858377.25	0.04886	0.05196	0.04974	0.04594	8.91E-05	4.4E-06	0.00026	4.9E-08	0.00036	1.09E-04	5.41824E-06	0.000323	2.74E-08	4.38E-04	9.62E-05	4.17E-06	0.000696	2.83E-08
4489	498363.09	3858377.25	0.05355	0.05763	0.05435	0.05094	9.76E-05	4.9E-06	0.00029	5.4E-08	0.00039	1.20E-04	6.00949E-06	0.000353	3.04E-08	4.79E-04	0.000105	4.62E-06	0.00076	3.14E-08
4490	471363.09	3858877.25	0.00975	0.0103	0.00964	0.00738	1.78E-05	8.8E-07	5.1E-05	7.9E-09	7E-05	2.18E-05	1.07405E-06	6.26E-05	4.4E-09	8.55E-05	1.92E-05	8.26E-07	0.000135	4.55E-09
4491	471863.09	3858877.25	0.01022	0.01102	0.0101	0.00754	1.86E-05	9.4E-07	5.4E-05	8E-09	7.3E-05	2.28E-05	1.14913E-06	6.56E-05	4.5E-09	8.96E-05	2.01E-05	8.84E-07	0.000141	4.65E-09
4492	472363.09	3858877.25	0.01104	0.01206	0.01086	0.00819	2.01E-05	1E-06	5.8E-05	8.7E-09	7.9E-05	2.47E-05	1.25758E-06	7.05E-05	4.89E-09	9.65E-05	2.17E-05	9.67E-07	0.000152	5.05E-09
4493	472863.09	3858877.25	0.01183	0.013	0.01164	0.00877	2.16E-05	1.1E-06	6.2E-05	9.4E-09	8.5E-05	2.64E-05	1.3556E-06	7.56E-05	5.23E-09	1.03E-04	2.33E-05	1.04E-06	0.000163	5.41E-09
4494	473363.09	3858877.25	0.01287	0.01398	0.01265	0.00987	2.35E-05	1.2E-06	6.7E-05	1.1E-08	9.2E-05	2.87E-05	1.45779E-06	8.22E-05	5.89E-09	1.12E-04	2.53E-05	1.12E-06	0.000177	6.09E-09
4495	473863.09	3858877.25	0.01344	0.01447	0.01334	0.00991	2.45E-05	1.2E-06	7.1E-05	1.1E-08	9.7E-05	3.00E-05	1.50889E-06	8.66E-05	5.91E-09	1.18E-04	2.65E-05	1.16E-06	0.000187	6.11E-09
4496	474363.09	3858877.25	0.01313	0.01394	0.01327	0.00863	2.39E-05	1.2E-06	7.1E-05	9.2E-09	9.6E-05	2.93E-05	1.45362E-06	8.62E-05	5.15E-09	1.17E-04	2.59E-05	1.12E-06	0.000186	5.32E-09
4497	474863.09	3858877.25	0.00677	0.00669	0.0071	0.00408	1.23E-05	5.7E-07	3.8E-05	4.4E-09	5.1E-05	1.51E-05	6.97614E-07	4.61E-05	2.44E-09	6.19E-05	1.33E-05	5.37E-07	9.93E-05	2.52E-09
4498	475363.09	3858877.25	0.00484	0.00461	0.00504	0.00321	8.82E-06	3.9E-07	2.7E-05	3.4E-09	3.6E-05	1.08E-05	4.80718E-07	3.27E-05	1.92E-09	4.40E-05	9.53E-06	3.7E-07	7.05E-05	1.98E-09
4499	475863.09	3858877.25	0.00571	0.00558	0.00587	0.00361	1.04E-05	4.7E-07	3.1E-05	3.9E-09	4.2E-05	1.28E-05	5.81867E-07	3.81E-05	2.15E-09	5.15E-05	1.12E-05	4.48E-07	8.21E-05	2.23E-09
4500	476363.09	3858877.25	0.00343	0.00333	0.00347	0.00254	6.25E-06	2.8E-07	1.8E-05	2.7E-09	2.5E-05	7.66E-06	3.47243E-07	2.25E-05	1.52E-09	3.05E-05	6.76E-06	2.67E-07	4.85E-05	1.57E-09
4501	476863.09	3858877.25	0.0045	0.00447	0.00455	0.00304	8.20E-06	3.8E-07	2.4E-05	3.2E-09	3.3E-05	1.01E-05	4.66119E-07	2.96E-05	1.81E-09	4.01E-05	8.86E-06	3.59E-07	6.36E-05	1.87E-09
4502	477363.09	3858877.25	0.00467	0.00456	0.00483	0.00319	8.51E-06	3.9E-07	2.6E-05	3.4E-09	3.5E-05	1.04E-05	4.75504E-07	3.14E-05	1.9E-09	4.23E-05	9.2E-06	3.66E-07	6.76E-05	1.97E-09
4503	477863.09	3858877.25	0.00605	0.00589	0.00637	0.00387	1.10E-05	5E-07	3.4E-05	4.1E-09	4.5E-05	1.35E-05	6.14193E-07	4.14E-05	2.31E-09	5.55E-05	1.19E-05	4.72E-07	8.91E-05	2.39E-09
4504	478363.09	3858877.25	0.01383	0.01308	0.01483	0.0074	2.52E-05	1.1E-06	7.9E-05	7.9E-09	0.00011	3.09E-05	1.36395E-06	9.63E-05	4.42E-09	1.29E-04	2.72E-05	1.05E-06	0.000207	4.56E-09
4505	478863.09	3858877.25	0.01165	0.01132	0.01238	0.00641	2.12E-05	9.6E-07	6.6E-05	6.8E-09	8.8E-05	2.60E-05	1.18042E-06	8.04E-05	3.83E-09	1.08E-04	2.29E-05	9.08E-07	0.000173	3.95E-09
4506	479363.09	3858877.25	0.00923	0.00887	0.0099	0.0054	1.68E-05	7.5E-07	5.3E-05	5.8E-09	7E-05	2.06E-05	9.24939E-07	6.43E-05	3.22E-09	8.58E-05	1.82E-05	7.12E-07	0.000138	3.33E-09
4507	479863.09	3858877.25	0.03456	0.03054	0.03621	0.02616	6.30E-05	2.6E-06	0.00019	2.8E-08	0.00026	7.72E-05	3.18462E-06	0.000235	1.56E-08	3.16E-04	6.81E-05	2.45E-06	0.000507	1.61E-08
4508	480363.09	3858877.25	0.03882	0.03408	0.04029	0.03167	7.08E-05	2.9E-06	0.00021	3.4E-08	0.00029	8.67E-05	3.55377E-06	0.000262	1.89E-08	3.52E-04	7.65E-05	2.73E-06	0.000564	1.95E-08
4509	480863.09	3858877.25	0.04301	0.03963	0.04454	0.03613	7.84E-05	3.4E-06	0.00024	3.9E-08	0.00032	9.61E-05	4.1325E-06	0.000289	2.16E-08	3.90E-04	8.47E-05	3.18E-06	0.000623	2.23E-08
4510	481363.09	3858877.25	0.04756	0.04535	0.04955	0.04003	8.67E-05	3.9E-06	0.00026	4.3E-08	0.00035	1.06E-04	4.72897E-06	0.000322	2.39E-08	4.33E-04	9.37E-05	3.64E-06	0.000693	2.47E-08

4511	481863.09	3858877.25	0.05296	0.05198	0.05525	0.04541	9.65E-05	4.4E-06	0.00029	4.8E-08	0.00039	1.18E-04	5.42033E-06	0.000359	2.71E-08	4.83E-04	0.000104	4.17E-06	0.000773	2.8E-08
4512	482363.09	3858877.25	0.05865	0.05898	0.06195	0.04997	1.07E-04	5E-06	0.00033	5.3E-08	0.00044	1.31E-04	6.15027E-06	0.000402	2.98E-08	5.40E-04	0.000116	4.73E-06	0.000867	3.08E-08
4513	482863.09	3858877.25	0.06515	0.06415	0.06901	0.05847	1.19E-04	5.5E-06	0.00037	6.2E-08	0.00049	1.46E-04	6.68938E-06	0.000448	3.49E-08	6.00E-04	0.000128	5.15E-06	0.000965	3.61E-08
4514	483363.09	3858877.25	0.06783	0.06761	0.07067	0.07595	1.24E-04	5.8E-06	0.00038	8.1E-08	0.0005	1.52E-04	7.05018E-06	0.000459	4.53E-08	6.18E-04	0.000134	5.42E-06	0.000989	4.68E-08
4515	483863.09	3858877.25	0.07307	0.07313	0.0754	0.08569	1.33E-04	6.2E-06	0.0004	9.1E-08	0.00054	1.63E-04	7.62579E-06	0.00049	5.11E-08	6.61E-04	0.000144	5.87E-06	0.001055	5.28E-08
4516	484363.09	3858877.25	0.08057	0.07731	0.08222	0.09743	1.47E-04	6.6E-06	0.00044	1E-07	0.00059	1.80E-04	8.06167E-06	0.000534	5.82E-08	7.22E-04	0.000159	6.2E-06	0.00115	6.01E-08
4517	484863.09	3858877.25	0.08849	0.0801	0.08856	0.11016	1.61E-04	6.8E-06	0.00047	1.2E-07	0.00064	1.98E-04	8.3526E-06	0.000575	6.57E-08	7.81E-04	0.000174	6.43E-06	0.001239	6.79E-08
4518	485363.09	3858877.25	0.09699	0.09225	0.09408	0.12297	1.77E-04	7.9E-06	0.0005	1.3E-07	0.00068	2.17E-04	9.61957E-06	0.000611	7.34E-08	8.37E-04	0.000191	7.4E-06	0.001316	7.58E-08
4519	485863.09	3858877.25	0.10686	0.1116	0.09866	0.13866	1.95E-04	9.5E-06	0.00052	1.5E-07	0.00073	2.39E-04	1.16373E-05	0.000641	8.28E-08	8.91E-04	0.00021	8.95E-06	0.00138	8.55E-08
4520	486363.09	3858877.25	0.11701	0.12988	0.09921	0.15366	2.13E-04	1.1E-05	0.00053	1.6E-07	0.00075	2.61E-04	1.35435E-05	0.000644	9.17E-08	9.19E-04	0.00023	1.04E-05	0.001388	9.47E-08
4521	486863.09	3858877.25	0.13064	0.13355	0.09924	0.16945	2.38E-04	1.1E-05	0.00053	1.8E-07	0.00078	2.92E-04	1.39262E-05	0.000645	1.01E-07	9.50E-04	0.000257	1.07E-05	0.001388	1.04E-07
4522	487363.09	3858877.25	0.15242	0.1267	0.10259	0.18959	2.78E-04	1.1E-05	0.00055	2E-07	0.00083	3.40E-04	1.32119E-05	0.000666	1.13E-07	1.02E-03	0.0003	1.02E-05	0.001435	1.17E-07
4523	487863.09	3858877.25	0.18273	0.13246	0.10369	0.19114	3.33E-04	1.1E-05	0.00055	2E-07	0.0009	4.08E-04	1.38126E-05	0.000673	1.14E-07	1.10E-03	0.00036	1.06E-05	0.001451	1.18E-07
4524	488363.09	3858877.25	0.26635	0.14663	0.10809	0.20136	4.86E-04	1.2E-05	0.00057	2.1E-07	0.00107	5.95E-04	1.52902E-05	0.000702	1.2E-07	1.31E-03	0.000525	1.18E-05	0.001512	1.24E-07
4525	488863.09	3858877.25	0.98136	0.15406	0.11154	0.20967	1.79E-03	1.3E-05	0.00059	2.2E-07	0.00239	2.19E-03	1.60649E-05	0.000724	1.25E-07	2.93E-03	0.001933	1.24E-05	0.00156	1.29E-07
4526	489363.09	3858877.25	0.33286	0.15	0.10571	0.19812	6.07E-04	1.3E-05	0.00056	2.1E-07	0.00118	7.44E-04	1.56416E-05	0.000687	1.18E-07	1.45E-03	0.000656	1.2E-05	0.001479	1.22E-07
4527	489863.09	3858877.25	0.23044	0.15823	0.10632	0.20059	4.20E-04	1.3E-05	0.00056	2.1E-07	0.001	5.15E-04	1.64998E-05	0.000691	1.2E-07	1.22E-03	0.000454	1.27E-05	0.001487	1.24E-07
4528	490363.09	3858877.25	0.18927	0.1622	0.11209	0.19079	3.45E-04	1.4E-05	0.0006	2E-07	0.00095	4.23E-04	1.69138E-05	0.000728	1.14E-07	1.17E-03	0.000373	1.3E-05	0.001568	1.18E-07
4529	490863.09	3858877.25	0.16043	0.15744	0.11343	0.16463	2.92E-04	1.3E-05	0.0006	1.8E-07	0.00091	3.58E-04	1.64174E-05	0.000737	9.83E-08	1.11E-03	0.000316	1.26E-05	0.001587	1.02E-07
4530	491363.09	3858877.25	0.13153	0.13936	0.10752	0.12166	2.40E-04	1.2E-05	0.00057	1.3E-07	0.00082	2.94E-04	1.45321E-05	0.000698	7.26E-08	1.01E-03	0.000259	1.12E-05	0.001504	7.5E-08
4531	491863.09	3858877.25	0.09811	0.10668	0.08591	0.08476	1.79E-04	9.1E-06	0.00046	9E-08	0.00064	2.19E-04	1.11243E-05	0.000558	5.06E-08	7.88E-04	0.000193	8.56E-06	0.001202	5.23E-08
4532	492363.09	3858877.25	0.10372	0.11498	0.09137	0.0952	1.89E-04	9.8E-06	0.00049	1E-07	0.00068	2.32E-04	1.19898E-05	0.000593	5.68E-08	8.37E-04	0.000204	9.22E-06	0.001278	5.87E-08
4533	492863.09	3858877.25	0.10557	0.11711	0.0923	0.10607	1.92E-04	1E-05	0.00049	1.1E-07	0.00069	2.36E-04	1.22119E-05	0.0006	6.33E-08	8.48E-04	0.000208	9.39E-06	0.001291	6.54E-08
4534	493363.09	3858877.25	0.09472	0.10708	0.08577	0.09281	1.73E-04	9.1E-06	0.00046	9.9E-08	0.00064	2.12E-04	1.1166E-05	0.000557	5.54E-08	7.80E-04	0.000187	8.59E-06	0.0012	5.72E-08
4535	493863.09	3858877.25	0.07863	0.08975	0.07359	0.07341	1.43E-04	7.6E-06	0.00039	7.8E-08	0.00054	1.76E-04	9.35888E-06	0.000478	4.38E-08	6.63E-04	0.000155	7.2E-06	0.001029	4.53E-08
4536	494363.09	3858877.25	0.07147	0.08158	0.06824	0.06674	1.30E-04	6.9E-06	0.00036	7.1E-08	0.0005	1.60E-04	8.50693E-06	0.000443	3.98E-08	6.11E-04	0.000141	6.54E-06	0.000955	4.11E-08
4537	494863.09	3858877.25	0.06338	0.07168	0.0613	0.05917	1.16E-04	6.1E-06	0.00033	6.3E-08	0.00045	1.42E-04	7.47459E-06	0.000398	3.53E-08	5.47E-04	0.000125	5.75E-06	0.000858	3.65E-08
4538	495363.09	3858877.25	0.05625	0.06309	0.05499	0.05261	1.03E-04	5.4E-06	0.00029	5.6E-08	0.0004	1.26E-04	6.57885E-06	0.000357	3.14E-08	4.89E-04	0.000111	5.06E-06	0.000769	3.24E-08
4539	495863.09	3858877.25	0.05252	0.05855	0.05176	0.04912	9.57E-05	5E-06	0.00028	5.2E-08	0.00038	1.17E-04	6.10543E-06	0.000336	2.93E-08	4.60E-04	0.000103	4.7E-06	0.000724	3.03E-08
4540	496363.09	3858877.25	0.05099	0.05652	0.0506	0.04766	9.29E-05	4.8E-06	0.00027	5.1E-08	0.00037	1.14E-04	5.89375E-06	0.000329	2.84E-08	4.48E-04	0.0001	4.53E-06	0.000708	2.94E-08
4541	496863.09	3858877.25	0.04958	0.05455	0.04953	0.04639	9.04E-05	4.6E-06	0.00026	4.9E-08	0.00036	1.11E-04	5.68832E-06	0.000322	2.77E-08	4.38E-04	9.76E-05	4.38E-06	0.000693	2.86E-08
4542	497363.09	3858877.25	0.04804	0.05235	0.04829	0.04505	8.76E-05	4.5E-06	0.00026	4.8E-08	0.00035	1.07E-04	5.45891E-06	0.000314	2.69E-08	4.26E-04	9.46E-05	4.2E-06	0.000676	2.78E-08
4543	497863.09	3858877.25	0.05194	0.05636	0.05233	0.04978	9.47E-05	4.8E-06	0.00028	5.3E-08	0.00038	1.16E-04	5.87706E-06	0.00034	2.97E-08	4.62E-04	0.000102	4.52E-06	0.000732	3.07E-08
4544	498363.09	3858877.25	0.05438	0.05873	0.0545	0.05462	9.91E-05	5E-06	0.00029	5.8E-08	0.00039	1.21E-04	6.1242E-06	0.000354	3.26E-08	4.82E-04	0.000107	4.71E-06	0.000762	3.37E-08
4545	471363.09	3859377.25	0.00987	0.01085	0.00965	0.00756	1.80E-05	9.2E-07	5.1E-05	8.1E-09	7E-05	2.20E-05	1.13141E-06	6.27E-05	4.51E-09	8.59E-05	1.94E-05	8.7E-07	0.000135	4.66E-09
4546	471863.09	3859377.25	0.01046	0.01136	0.01025	0.00796	1.91E-05	9.7E-07	5.4E-05	8.5E-09	7.5E-05	2.34E-05	1.18459E-06	6.66E-05	4.75E-09	9.11E-05	2.06E-05	9.11E-07	0.000143	4.91E-09
4547	472363.09	3859377.25	0.01123	0.01191	0.01102	0.00873	2.05E-05	1E-06	5.9E-05	9.3E-09	8E-05	2.51E-05	1.24194E-06	7.16E-05	5.21E-09	9.79E-05	2.21E-05	9.55E-07	0.000154	5.38E-09
4548	472863.09	3859377.25	0.01197	0.01239	0.01177	0.00941	2.18E-05	1.1E-06	6.3E-05	1E-08	8.5E-05	2.67E-05	1.29199E-06	7.64E-05	5.62E-09	1.04E-04	2.36E-05	9.94E-07	0.000165	5.8E-09
4549	473363.09	3859377.25	0.01283	0.01295	0.01262	0.01029	2.34E-05	1.1E-06	6.7E-05	1.1E-08	9.2E-05	2.87E-05	1.35039E-06	8.2E-05	6.14E-09	1.12E-04	2.53E-05	1.04E-06	0.000177	6.34E-09
4550	473863.09	3859377.25	0.01355	0.01346	0.01339	0.01069	2.47E-05	1.1E-06	7.1E-05	1.1E-08	9.7E-05	3.03E-05	1.40357E-06	8.7E-05	6.38E-09	1.19E-04	2.67E-05	1.08E-06	0.000187	6.59E-09
4551	474363.09	3859377.25	0.01318	0.013	0.01324	0.00892	2.40E-05	1.1E-06	7E-05	9.5E-09	9.5E-05	2.94E-05	1.3556E-06	8.6E-05	5.32E-09	1.17E-04	2.6E-05	1.04E-06	0.000185	5.5E-09
4552	474863.09	3859377.25	0.01062	0.01059	0.01081	0.00609	1.94E-05	9E-07	5.7E-05	6.5E-09	7.8E-05	2.37E-05	1.1043E-06	7.02E-05	3.63E-09	9.50E-05	2.09E-05	8.5E-07	0.000151	3.75E-09
4553	475363.09	3859377.25	0.00704	0.00719	0.00725	0.00402	1.28E-05	6.1E-07	3.9E-05	4.3E-09	5.2E-05	1.57E-05	7.49753E-07	4.71E-05	2.4E-09	6.36E-05	1.39E-05	5.77E-07	0.000101	2.48E-09
4554	475863.09	3859377.25	0.00435	0.00433	0.00449	0.00285	7.93E-06	3.7E-07	2.4E-05	3E-09	3.2E-05	9.72E-06	4.5152E-07	2.92E-05	1.7E-09	3.93E-05	8.57E-06	3.47E-07	6.28E-05	1.76E-09
4555	476363.09	3859377.25	0.00385	0.0037	0.00398	0.00263	7.02E-06	3.1E-07	2.1E-05	2.8E-09	2.8E-05	8.60E-06	3.85826E-07	2.59E-05	1.57E-09	3.48E-05	7.58E-06	2.97E-07	5.57E-05	1.62E-09
4556	476863.09	3859377.25	0.00308	0.00294	0.00318	0.0023	5.61E-06	2.5E-07	1.7E-05	2.5E-09	2.3E-05	6.88E-06	3.06575E-07	2.07E-05	1.37E-09	2.78E-05	6.07E-06	2.36E-07	4.45E-05	1.42E-09
4557	477363.09	3859377.25	0.00342	0.00323	0.00356	0.00248	6.23E-06	2.7E-07	1.9E-05	2.6E-09	2.5E-05	7.64E-06	3.36815E-07	2.31E-05	1.48E-09	3.11E-05	6.74E-06	2.59E-07	4.98E-05	1.53E-09
4558	477863.09	3859377.25	0.00696	0.00656	0.00741	0.00419	1.27E-05	5.6E-07	3.9E-05	4.5E-09	5.3E-05	1.55E-05	6.84058E-07	4.81E-05	2.5E-09	6.44E-05	1.37E-05	5.26E-07	0.000104	2.58E-09
4559	478363.09	3859377.25	0.012	0.0117	0.01291	0.00644	2.19E-05	1E-06	6.9E-05	6.9E-09	9.1E-05	2.68E-05	1.22004E-06	8.39E-05	3.84E-09	1.12E-04	2.36E-05	9.39E-07	0.000181	3.97E-09
4560	478863.09	3859377.25	0.01958	0.01848	0.02122	0.01057	3.57E-05	1.6E-06	0.00011	1.1E-08	0.00015	4.37E-05	1.92704E-06	0.000138	6.31E-09	1.83E-04	3.86E-05	1.48E-06	0.000297	6.52E-09
4561	479363.09	3859377.25	0.02613	0.02385	0.02804	0.01621	4.76E-05	2E-06	0.00015	1.7E-08	0.0002	5.84E-05	2.48701E-06	0.000182	9.67E-09	2.43E-04	5.15E-05	1.91E-06	0.000392	9.99E-09
4562	479863.09	3859377.25	0.0312	0.02851	0.03283	0.02251	5.69E-05	2.4E-06	0.00017	2.4E-08	0.00023	6.97E-05	2.97294E-06	0.000213	1.34E-08	2.86E-04	6.14E-05	2.29E-06	0.000459	1.39E-08
4563	480363.09	3859377.25	0.03553	0.03436	0.03659	0.02917	6.48E-05	2.9E-06	0.00019	3.1E-08	0.00026	7.94E-05	3.58296E-06	0.000238	1.74E-08	3.21E-04	7E-05	2.76E-06	0.000512	1.8E-08
4564	480863.09	3859377.25	0.03907	0.03914	0.04012	0.03386	7.12E-05	3.3E-06	0.00021	3.6E-08	0.00029	8.73E-05	4.08141E-06	0.000261	2.02E-08	3.52E-04	7.69E-05	3.14E-06	0.000561	2.09E-08
4565	481363.09	3859377.25	0.04294	0.04353	0.04397	0.0384	7.83E-05	3.7E-06	0.00023	4.1E-08	0.00032	9.59E-05	4.53919E-06	0.000286	2.29E-08	3.86E-04	8.46E-05	3.49E-06	0.000615	2.37E-08
4566	481863.09	3859377.25	0.04713	0.04888	0.04838	0.04295	8.59E-05	4.2E-06	0.00026	4.6E-08	0.00035	1.05E-04	5.09707E-06	0.000314	2.56E-08	4.25E-04	9.28E-05	3.92E-06	0.000677	2.65E-08
4567	482363.09	3859377.25	0.05138	0.05325	0.05314	0.04756	9.37E-05	4.5E-06	0.00028	5.1E-08	0.00038	1.15E-04	5.55276E-06	0.000345	2.84E-08	4.66E-04	0.000101	4.27E-06	0.000743	2.93E-08
4568	482863.09	3859377.25	0.05599	0.0582	0.05719	0.05497	1.02E-04	5E-06	0.0003	5.9E-08	0.00041	1.25E-04	6.06893E-06	0.000371	3.28E-08	5.03E-04	0.00011	4.67E-06	0.0008	3.39E-08
4569	483363.09	3859377.25	0.0599	0.06111	0.06074	0.06425	1.09E-04	5.2E-06	0.00032	6.9E-08	0.00044	1.34E-04	6.37238E-06	0.000395	3.83E-08	5.35E-04	0.000118	4.9E-06	0.00085	3.96E-08
4570	483863.09	3859377.25	0.06136	0.05624	0.06194	0.07177	1.12E-04	4.8E-06	0.00033	7.7E-08	0.00045	1.37E-04	5.86455E-06	0.000402	4.28E-08	5.45E-04	0.000121	4.51E-06	0.000866	4.43E-08
4571	484363.09	3859377.25	0.06629	0.05824	0.06639	0.07909	1.21E-04	5E-06	0.00035	8.4E-08	0.00048	1.48E-04	6.0731E-06	0.000431	4.72E-08	5.85E-04	0.000131	4.67E-06	0.000929	4.88E-08

4572	484863.09	3859377.25	0.07135	0.06339	0.07028	0.08658	1.30E-04	5.4E-06	0.00037	9.2E-08	0.00051	1.59E-04	6.61013E-06	0.000456	5.17E-08	6.23E-04	0.000141	5.09E-06	0.000983	5.34E-08
4573	485363.09	3859377.25	0.07617	0.07477	0.07253	0.09262	1.39E-04	6.4E-06	0.00039	9.9E-08	0.00053	1.70E-04	7.7968E-06	0.000471	5.53E-08	6.49E-04	0.00015	6E-06	0.001015	5.71E-08
4574	485863.09	3859377.25	0.08117	0.08643	0.07356	0.0989	1.48E-04	7.4E-06	0.00039	1.1E-07	0.00055	1.81E-04	9.01268E-06	0.000478	5.9E-08	6.68E-04	0.00016	6.93E-06	0.001029	6.1E-08
4575	486363.09	3859377.25	0.08695	0.08885	0.07408	0.10737	1.58E-04	7.6E-06	0.00039	1.1E-07	0.00056	1.94E-04	9.26503E-06	0.000481	6.41E-08	6.85E-04	0.000171	7.13E-06	0.001036	6.62E-08
4576	486863.09	3859377.25	0.09191	0.08968	0.07259	0.11349	1.68E-04	7.6E-06	0.00039	1.2E-07	0.00056	2.05E-04	9.35158E-06	0.000471	6.77E-08	6.86E-04	0.000181	7.19E-06	0.001015	7E-08
4577	487363.09	3859377.25	0.09821	0.0829	0.073	0.11534	1.79E-04	7.1E-06	0.00039	1.2E-07	0.00057	2.19E-04	8.64458E-06	0.000474	6.88E-08	7.02E-04	0.000193	6.65E-06	0.001021	7.11E-08
4578	487863.09	3859377.25	0.10768	0.09025	0.07424	0.11599	1.96E-04	7.7E-06	0.00039	1.2E-07	0.0006	2.41E-04	9.41101E-06	0.000482	6.92E-08	7.32E-04	0.000212	7.24E-06	0.001039	7.15E-08
4579	488363.09	3859377.25	0.11738	0.09257	0.07659	0.11983	2.14E-04	7.9E-06	0.00041	1.3E-07	0.00063	2.62E-04	9.65294E-06	0.000497	7.15E-08	7.69E-04	0.000231	7.43E-06	0.001071	7.39E-08
4580	488863.09	3859377.25	0.12323	0.10012	0.07942	0.12557	2.25E-04	8.5E-06	0.00042	1.3E-07	0.00066	2.75E-04	1.04402E-05	0.000516	7.49E-08	8.02E-04	0.000243	8.03E-06	0.001111	7.74E-08
4581	489363.09	3859377.25	0.12478	0.10384	0.08153	0.12942	2.27E-04	8.8E-06	0.00043	1.4E-07	0.00067	2.79E-04	1.08281E-05	0.00053	7.72E-08	8.19E-04	0.000246	8.33E-06	0.001141	7.98E-08
4582	489863.09	3859377.25	0.1208	0.0994	0.07728	0.12045	2.20E-04	8.5E-06	0.00041	1.3E-07	0.00064	2.70E-04	1.03652E-05	0.000502	7.19E-08	7.82E-04	0.000238	7.97E-06	0.001081	7.43E-08
4583	490363.09	3859377.25	0.11672	0.10134	0.07553	0.11953	2.13E-04	8.6E-06	0.0004	1.3E-07	0.00062	2.61E-04	1.05674E-05	0.000491	7.13E-08	7.62E-04	0.00023	8.13E-06	0.001057	7.37E-08
4584	490863.09	3859377.25	0.10977	0.10901	0.0791	0.11563	2.00E-04	9.3E-06	0.00042	1.2E-07	0.00063	2.45E-04	1.13673E-05	0.000514	6.9E-08	7.70E-04	0.000216	8.74E-06	0.001107	7.13E-08
4585	491363.09	3859377.25	0.09392	0.10196	0.08047	0.08464	1.71E-04	8.7E-06	0.00043	9E-08	0.00061	2.10E-04	1.06321E-05	0.000523	5.05E-08	7.43E-04	0.000185	8.18E-06	0.001126	5.22E-08
4586	491863.09	3859377.25	0.09935	0.1037	0.08231	0.10207	1.81E-04	8.8E-06	0.00044	1.1E-07	0.00063	2.22E-04	1.08135E-05	0.000535	6.09E-08	7.67E-04	0.000196	8.32E-06	0.001151	6.29E-08
4587	492363.09	3859377.25	0.09475	0.09968	0.08	0.09807	1.73E-04	8.5E-06	0.00043	1E-07	0.00061	2.12E-04	1.03943E-05	0.00052	5.85E-08	7.42E-04	0.000187	8E-06	0.001119	6.05E-08
4588	492863.09	3859377.25	0.0901	0.09585	0.07658	0.09484	1.64E-04	8.2E-06	0.00041	1E-07	0.00058	2.01E-04	9.99497E-06	0.000497	5.66E-08	7.09E-04	0.000177	7.69E-06	0.001071	5.85E-08
4589	493363.09	3859377.25	0.08313	0.08993	0.07303	0.08405	1.52E-04	7.7E-06	0.00039	9E-08	0.00055	1.86E-04	9.37765E-06	0.000474	5.02E-08	6.69E-04	0.000164	7.21E-06	0.001022	5.18E-08
4590	493863.09	3859377.25	0.07861	0.0852	0.07003	0.08062	1.43E-04	7.3E-06	0.00037	8.6E-08	0.00052	1.76E-04	8.88442E-06	0.000455	4.81E-08	6.39E-04	0.000155	6.83E-06	0.00098	4.97E-08
4591	494363.09	3859377.25	0.07322	0.07963	0.06661	0.07395	1.33E-04	6.8E-06	0.00035	7.9E-08	0.00049	1.64E-04	8.30359E-06	0.000433	4.41E-08	6.05E-04	0.000144	6.39E-06	0.000932	4.56E-08
4592	494863.09	3859377.25	0.065	0.0715	0.06084	0.0621	1.18E-04	6.1E-06	0.00032	6.6E-08	0.00045	1.45E-04	7.45582E-06	0.000395	3.71E-08	5.48E-04	0.000128	5.74E-06	0.000851	3.83E-08
4593	495363.09	3859377.25	0.06167	0.06862	0.0582	0.05921	1.12E-04	5.8E-06	0.00031	6.3E-08	0.00043	1.38E-04	7.1555E-06	0.000378	3.53E-08	5.23E-04	0.000121	5.5E-06	0.000814	3.65E-08
4594	495863.09	3859377.25	0.05718	0.06415	0.0547	0.05458	1.04E-04	5.5E-06	0.00029	5.8E-08	0.0004	1.28E-04	6.68938E-06	0.000355	3.26E-08	4.90E-04	0.000113	5.15E-06	0.000765	3.37E-08
4595	496363.09	3859377.25	0.05574	0.06284	0.05377	0.05405	1.02E-04	5.3E-06	0.00029	5.8E-08	0.00039	1.25E-04	6.55278E-06	0.000349	3.23E-08	4.80E-04	0.00011	5.04E-06	0.000752	3.33E-08
4596	496863.09	3859377.25	0.05061	0.05696	0.04952	0.04817	9.23E-05	4.8E-06	0.00026	5.1E-08	0.00036	1.13E-04	5.93963E-06	0.000322	2.87E-08	4.41E-04	9.97E-05	4.57E-06	0.000693	2.97E-08
4597	497363.09	3859377.25	0.05121	0.05736	0.05017	0.04991	9.33E-05	4.9E-06	0.00027	5.3E-08	0.00036	1.14E-04	5.98134E-06	0.000326	2.98E-08	4.46E-04	0.000101	4.6E-06	0.000702	3.08E-08
4598	497863.09	3859377.25	0.05274	0.05863	0.05125	0.05442	9.61E-05	5E-06	0.00027	5.8E-08	0.00037	1.18E-04	6.11377E-06	0.000333	3.25E-08	4.57E-04	0.000104	4.7E-06	0.000717	3.36E-08
4599	498363.09	3859377.25	0.05228	0.05775	0.05042	0.05702	9.53E-05	4.9E-06	0.00027	6.1E-08	0.00037	1.17E-04	6.02201E-06	0.000327	3.4E-08	4.50E-04	0.000103	4.63E-06	0.000705	3.52E-08
4600	471363.09	3859877.25	0.01006	0.01016	0.00986	0.00803	1.83E-05	8.6E-07	5.2E-05	8.6E-09	7.2E-05	2.25E-05	1.05946E-06	6.4E-05	4.79E-09	8.76E-05	1.98E-05	8.15E-07	0.000138	4.95E-09
4601	471863.09	3859877.25	0.01065	0.01053	0.01047	0.00856	1.94E-05	9E-07	5.6E-05	9.1E-09	7.6E-05	2.38E-05	1.09804E-06	6.8E-05	5.11E-09	9.29E-05	2.1E-05	8.45E-07	0.000146	5.28E-09
4602	472363.09	3859877.25	0.01122	0.0109	0.01107	0.00897	2.05E-05	9.3E-07	5.9E-05	9.6E-09	8E-05	2.51E-05	1.13662E-06	7.19E-05	5.35E-09	9.81E-05	2.21E-05	8.74E-07	0.000155	5.53E-09
4603	472863.09	3859877.25	0.01199	0.01153	0.01182	0.00972	2.19E-05	9.8E-07	6.3E-05	1E-08	8.6E-05	2.68E-05	1.20232E-06	7.68E-05	5.8E-09	1.05E-04	2.36E-05	9.25E-07	0.000165	5.99E-09
4604	473363.09	3859877.25	0.01281	0.01245	0.01262	0.01046	2.34E-05	1.1E-06	6.7E-05	1.1E-08	9.1E-05	2.86E-05	1.29825E-06	8.2E-05	6.24E-09	1.12E-04	2.52E-05	9.99E-07	0.000177	6.45E-09
4605	473863.09	3859877.25	0.01363	0.01366	0.01347	0.01102	2.48E-05	1.2E-06	7.2E-05	1.2E-08	9.8E-05	3.04E-05	1.42443E-06	8.75E-05	6.58E-09	1.19E-04	2.68E-05	1.1E-06	0.000188	6.79E-09
4606	474363.09	3859877.25	0.01378	0.01449	0.01381	0.00974	2.51E-05	1.2E-06	7.3E-05	1E-08	1E-04	3.08E-05	1.51098E-06	8.97E-05	5.81E-09	1.22E-04	2.71E-05	1.16E-06	0.000193	6.01E-09
4607	474863.09	3859877.25	0.01292	0.01378	0.01336	0.00779	2.36E-05	1.2E-06	7.1E-05	8.3E-09	9.6E-05	2.89E-05	1.43694E-06	8.68E-05	4.65E-09	1.17E-04	2.54E-05	1.11E-06	0.000187	4.8E-09
4608	475363.09	3859877.25	0.0086	0.00863	0.00918	0.00469	1.57E-05	7.3E-07	4.9E-05	5E-09	6.5E-05	1.92E-05	8.99912E-07	5.96E-05	2.8E-09	7.97E-05	1.69E-05	6.92E-07	0.000128	2.89E-09
4609	475863.09	3859877.25	0.00421	0.00413	0.00443	0.00275	7.67E-06	3.5E-07	2.4E-05	2.9E-09	3.2E-05	9.40E-06	4.30665E-07	2.88E-05	1.64E-09	3.86E-05	8.29E-06	3.31E-07	6.2E-05	1.7E-09
4610	476363.09	3859877.25	0.00247	0.00246	0.00254	0.00188	4.50E-06	2.1E-07	1.3E-05	2E-09	1.8E-05	5.52E-06	2.56522E-07	1.65E-05	1.12E-09	2.23E-05	4.86E-06	1.97E-07	3.55E-05	1.16E-09
4611	476863.09	3859877.25	0.00292	0.0029	0.00302	0.00216	5.32E-06	2.5E-07	1.6E-05	2.3E-09	2.2E-05	6.52E-06	3.02404E-07	1.96E-05	1.29E-09	2.64E-05	5.75E-06	2.33E-07	4.22E-05	1.33E-09
4612	477363.09	3859877.25	0.00319	0.00321	0.0033	0.00233	5.81E-06	2.7E-07	1.8E-05	2.5E-09	2.4E-05	7.13E-06	3.3473E-07	2.14E-05	1.39E-09	2.89E-05	6.28E-06	2.57E-07	4.62E-05	1.44E-09
4613	477863.09	3859877.25	0.00623	0.00618	0.00667	0.00381	1.14E-05	5.3E-07	3.5E-05	4.1E-09	4.7E-05	1.39E-05	6.44433E-07	4.33E-05	2.27E-09	5.79E-05	1.23E-05	4.96E-07	9.33E-05	2.35E-09
4614	478363.09	3859877.25	0.01181	0.0115	0.01285	0.00639	2.15E-05	9.8E-07	6.8E-05	6.8E-09	9.1E-05	2.64E-05	1.19919E-06	8.35E-05	3.81E-09	1.11E-04	2.33E-05	9.23E-07	0.00018	3.94E-09
4615	478863.09	3859877.25	0.01883	0.01835	0.02041	0.01063	3.43E-05	1.6E-06	0.00011	1.1E-08	0.00014	4.21E-05	1.91349E-06	0.000133	6.34E-09	1.77E-04	3.71E-05	1.47E-06	0.000286	6.55E-09
4616	479363.09	3859877.25	0.02531	0.02482	0.02668	0.01719	4.61E-05	2.1E-06	0.00014	1.8E-08	0.00019	5.65E-05	2.58816E-06	0.000173	1.03E-08	2.32E-04	4.98E-05	1.99E-06	0.000373	1.06E-08
4617	479863.09	3859877.25	0.02943	0.02975	0.03014	0.02317	5.36E-05	2.5E-06	0.00016	2.5E-08	0.00022	6.57E-05	3.10225E-06	0.000196	1.38E-08	2.65E-04	5.8E-05	2.39E-06	0.000422	1.43E-08
4618	480363.09	3859877.25	0.03269	0.03323	0.03314	0.02837	5.96E-05	2.8E-06	0.00018	3E-08	0.00024	7.30E-05	3.46513E-06	0.000215	1.69E-08	2.92E-04	6.44E-05	2.67E-06	0.000464	1.75E-08
4619	480863.09	3859877.25	0.03546	0.03631	0.03593	0.03232	6.46E-05	3.1E-06	0.00019	3.4E-08	0.00026	7.92E-05	3.7863E-06	0.000233	1.93E-08	3.16E-04	6.98E-05	2.91E-06	0.000503	1.99E-08
4620	481363.09	3859877.25	0.03845	0.04079	0.03872	0.03627	7.01E-05	3.5E-06	0.00021	3.9E-08	0.00028	8.59E-05	4.25347E-06	0.000251	2.16E-08	3.42E-04	7.57E-05	3.27E-06	0.000542	2.24E-08
4621	481863.09	3859877.25	0.04149	0.04518	0.0418	0.03968	7.56E-05	3.8E-06	0.00022	4.2E-08	0.0003	9.27E-05	4.71124E-06	0.000272	2.37E-08	3.69E-04	8.17E-05	3.62E-06	0.000585	2.45E-08
4622	482363.09	3859877.25	0.04468	0.04613	0.04502	0.04418	8.14E-05	3.9E-06	0.00024	4.7E-08	0.00032	9.98E-05	4.81031E-06	0.000292	2.64E-08	3.97E-04	8.8E-05	3.7E-06	0.00063	2.72E-08
4623	482863.09	3859877.25	0.04823	0.0464	0.04846	0.04886	8.79E-05	3.9E-06	0.00026	5.2E-08	0.00035	1.08E-04	4.83846E-06	0.000315	2.92E-08	4.27E-04	9.5E-05	3.72E-06	0.000678	3.01E-08
4624	483363.09	3859877.25	0.05173	0.04733	0.05228	0.05336	9.43E-05	4E-06	0.00028	5.7E-08	0.00038	1.16E-04	4.93544E-06	0.00034	3.18E-08	4.60E-04	0.000102	3.8E-06	0.000731	3.29E-08
4625	483863.09	3859877.25	0.05246	0.04684	0.05243	0.05982	9.56E-05	4E-06	0.00028	6.4E-08	0.00038	1.17E-04	4.88434E-06	0.000341	3.57E-08	4.63E-04	0.000103	3.76E-06	0.000733	3.69E-08
4626	484363.09	3859877.25	0.05503	0.04864	0.05478	0.06381	1.00E-04	4.1E-06	0.00029	6.8E-08	0.0004	1.23E-04	5.07204E-06	0.000356	3.81E-08	4.84E-04	0.000108	3.9E-06	0.000766	3.93E-08
4627	484863.09	3859877.25	0.0583	0.05323	0.05675	0.0678	1.06E-04	4.5E-06	0.0003	7.2E-08	0.00041	1.30E-04	5.55067E-06	0.000369	4.05E-08	5.04E-04	0.000115	4.27E-06	0.000794	4.18E-08
4628	485363.09	3859877.25	0.06137	0.06152	0.05755	0.07178	1.12E-04	5.2E-06	0.00031	7.7E-08	0.00042	1.37E-04	6.41513E-06	0.000374	4.28E-08	5.17E-04	0.000121	4.93E-06	0.000805	4.43E-08
4629	485863.09	3859877.25	0.0642	0.06695	0.05783	0.07583	1.17E-04	5.7E-06	0.00031	8.1E-08	0.00043	1.43E-04	6.98136E-06	0.000376	4.53E-08	5.26E-04	0.000126	5.37E-06	0.000809	4.68E-08
4630	486363.09	3859877.25	0.06664	0.06579	0.05764	0.0801	1.21E-04	5.6E-06	0.00031	8.5E-08	0.00043	1.49E-04	6.8604E-06	0.000374	4.78E-08	5.30E-04	0.000131	5.28E-06	0.000806	4.94E-08
4631	486863.09	3859877.25	0.06912	0.06593	0.05706	0.08216	1.26E-04	5.6E-06	0.0003	8.8E-08	0.00043	1.54E-04	6.87499E-06	0.000371	4.9E-08	5.32E-04	0.000136	5.29E-06	0.000798	5.07E-08
4632	487363.09	3859877.25	0.07046	0.06111	0.05641	0.08068	1.28E-04	5.2E-06	0.0003	8.6E-08	0.00043	1.57E-04	6.37238E-06	0.000366	4.82E-08	5.30E-04	0.000139	4.9E-06	0.000789	4.97E-08

4633	487863.09	3859877.25	0.07479	0.06718	0.05747	0.0811	1.36E-04	5.7E-06	0.00031	8.7E-08	0.00045	1.67E-04	7.00534E-06	0.000373	4.84E-08	5.47E-04	0.000147	5.39E-06	0.000804	5E-08
4634	488363.09	3859877.25	0.07553	0.06546	0.05815	0.08288	1.38E-04	5.6E-06	0.00031	8.8E-08	0.00045	1.69E-04	6.82598E-06	0.000378	4.95E-08	5.53E-04	0.000149	5.25E-06	0.000813	5.11E-08
4635	488863.09	3859877.25	0.07747	0.07063	0.0599	0.0854	1.41E-04	6E-06	0.00032	9.1E-08	0.00047	1.73E-04	7.3651E-06	0.000389	5.1E-08	5.70E-04	0.000153	5.67E-06	0.000838	5.27E-08
4636	489363.09	3859877.25	0.07974	0.07396	0.0614	0.0883	1.45E-04	6.3E-06	0.00033	9.4E-08	0.00048	1.78E-04	7.71234E-06	0.000399	5.27E-08	5.85E-04	0.000157	5.93E-06	0.000859	5.44E-08
4637	489863.09	3859877.25	0.08003	0.0759	0.06276	0.09123	1.46E-04	6.5E-06	0.00033	9.7E-08	0.00049	1.79E-04	7.91464E-06	0.000408	5.44E-08	5.94E-04	0.000158	6.09E-06	0.000878	5.62E-08
4638	490363.09	3859877.25	0.07522	0.07184	0.05921	0.08575	1.37E-04	6.1E-06	0.00031	9.1E-08	0.00046	1.68E-04	7.49127E-06	0.000385	5.12E-08	5.60E-04	0.000148	5.76E-06	0.000828	5.29E-08
4639	490863.09	3859877.25	0.07579	0.0713	0.05741	0.08255	1.38E-04	6.1E-06	0.00031	8.8E-08	0.00045	1.69E-04	7.43496E-06	0.000373	4.93E-08	5.50E-04	0.000149	5.72E-06	0.000803	5.09E-08
4640	491363.09	3859877.25	0.07545	0.07359	0.05731	0.08545	1.38E-04	6.3E-06	0.0003	9.1E-08	0.00045	1.69E-04	7.67376E-06	0.000372	5.1E-08	5.49E-04	0.000149	5.9E-06	0.000802	5.27E-08
4641	491863.09	3859877.25	0.07526	0.07726	0.05977	0.08777	1.37E-04	6.6E-06	0.00032	9.4E-08	0.00046	1.68E-04	8.05645E-06	0.000388	5.24E-08	5.64E-04	0.000148	6.2E-06	0.000836	5.41E-08
4642	492363.09	3859877.25	0.07445	0.07774	0.06188	0.08724	1.36E-04	6.6E-06	0.00033	9.3E-08	0.00047	1.66E-04	8.10651E-06	0.000402	5.21E-08	5.76E-04	0.000147	6.24E-06	0.000866	5.38E-08
4643	492863.09	3859877.25	0.0728	0.0768	0.06241	0.08331	1.33E-04	6.5E-06	0.00033	8.9E-08	0.00047	1.63E-04	8.00849E-06	0.000405	4.97E-08	5.76E-04	0.000143	6.16E-06	0.000873	5.14E-08
4644	493363.09	3859877.25	0.07036	0.07473	0.061	0.07935	1.28E-04	6.4E-06	0.00032	8.5E-08	0.00046	1.57E-04	7.79263E-06	0.000396	4.74E-08	5.61E-04	0.000139	5.99E-06	0.000853	4.89E-08
4645	493863.09	3859877.25	0.06749	0.07229	0.05892	0.07495	1.23E-04	6.2E-06	0.00031	8E-08	0.00044	1.51E-04	7.5382E-06	0.000383	4.47E-08	5.41E-04	0.000133	5.8E-06	0.000824	4.62E-08
4646	494363.09	3859877.25	0.06427	0.06901	0.05692	0.06924	1.17E-04	5.9E-06	0.0003	7.4E-08	0.00043	1.44E-04	7.19617E-06	0.00037	4.13E-08	5.21E-04	0.000127	5.54E-06	0.000796	4.27E-08
4647	494863.09	3859877.25	0.06152	0.06629	0.05498	0.06635	1.12E-04	5.6E-06	0.00029	7.1E-08	0.00041	1.37E-04	6.91253E-06	0.000357	3.96E-08	5.01E-04	0.000121	5.32E-06	0.000769	4.09E-08
4648	495363.09	3859877.25	0.05866	0.06305	0.05331	0.06239	1.07E-04	5.4E-06	0.00028	6.7E-08	0.0004	1.31E-04	6.57468E-06	0.000346	3.72E-08	4.84E-04	0.000116	5.06E-06	0.000746	3.85E-08
4649	495863.09	3859877.25	0.05574	0.05995	0.05143	0.05818	1.02E-04	5.1E-06	0.00027	6.2E-08	0.00038	1.25E-04	6.25142E-06	0.000334	3.47E-08	4.65E-04	0.00011	4.81E-06	0.000719	3.59E-08
4650	496363.09	3859877.25	0.05168	0.05584	0.04865	0.05139	9.42E-05	4.8E-06	0.00026	5.5E-08	0.00036	1.15E-04	5.82284E-06	0.000316	3.07E-08	4.37E-04	0.000102	4.48E-06	0.000681	3.17E-08
4651	496863.09	3859877.25	0.04168	0.04499	0.04024	0.03819	7.60E-05	3.8E-06	0.00021	4.1E-08	0.00029	9.31E-05	4.69143E-06	0.000261	2.28E-08	3.59E-04	8.21E-05	3.61E-06	0.000563	2.35E-08
4652	497363.09	3859877.25	0.04686	0.05146	0.04478	0.04629	8.54E-05	4.4E-06	0.00024	4.9E-08	0.00033	1.05E-04	5.3661E-06	0.000291	2.76E-08	4.01E-04	9.23E-05	4.13E-06	0.000626	2.85E-08
4653	497863.09	3859877.25	0.0484	0.05349	0.04542	0.05294	8.82E-05	4.6E-06	0.00024	5.6E-08	0.00033	1.08E-04	5.57779E-06	0.000295	3.16E-08	4.09E-04	9.53E-05	4.29E-06	0.000635	3.26E-08
4654	498363.09	3859877.25	0.04668	0.05232	0.04337	0.05457	8.51E-05	4.5E-06	0.00023	5.8E-08	0.00032	1.04E-04	5.45578E-06	0.000282	3.26E-08	3.91E-04	9.19E-05	4.2E-06	0.000607	3.36E-08
4655	471363.09	3860377.25	0.01011	0.0096	0.00996	0.00833	1.84E-05	8.2E-07	5.3E-05	8.9E-09	7.2E-05	2.26E-05	1.00106E-06	6.47E-05	4.97E-09	8.83E-05	1.99E-05	7.7E-07	0.000139	5.14E-09
4656	471863.09	3860377.25	0.01067	0.01009	0.01053	0.00878	1.94E-05	8.6E-07	5.6E-05	9.4E-09	7.6E-05	2.38E-05	1.05216E-06	6.84E-05	5.24E-09	9.33E-05	2.1E-05	8.09E-07	0.000147	5.41E-09
4657	472363.09	3860377.25	0.01132	0.01086	0.01118	0.00936	2.06E-05	9.2E-07	5.9E-05	1E-08	8.1E-05	2.53E-05	1.13245E-06	7.26E-05	5.59E-09	9.90E-05	2.23E-05	8.71E-07	0.000156	5.77E-09
4658	472863.09	3860377.25	0.01206	0.01191	0.01196	0.01002	2.20E-05	1E-06	6.4E-05	1.1E-08	8.7E-05	2.69E-05	1.24194E-06	7.77E-05	5.98E-09	1.06E-04	2.38E-05	9.55E-07	0.000167	6.18E-09
4659	473363.09	3860377.25	0.01281	0.01296	0.01281	0.01062	2.34E-05	1.1E-06	6.8E-05	1.1E-08	9.3E-05	2.86E-05	1.35143E-06	8.32E-05	6.34E-09	1.13E-04	2.52E-05	1.04E-06	0.000179	6.55E-09
4660	473863.09	3860377.25	0.01354	0.01376	0.01371	0.01114	2.47E-05	1.2E-06	7.3E-05	1.2E-08	9.9E-05	3.02E-05	1.43485E-06	8.91E-05	6.65E-09	1.21E-04	2.67E-05	1.1E-06	0.000192	6.87E-09
4661	474363.09	3860377.25	0.01412	0.01394	0.01459	0.0112	2.57E-05	1.2E-06	7.8E-05	1.2E-08	0.0001	3.15E-05	1.45362E-06	9.48E-05	6.68E-09	1.28E-04	2.78E-05	1.12E-06	0.000204	6.91E-09
4662	474863.09	3860377.25	0.01435	0.01328	0.01517	0.01066	2.62E-05	1.1E-06	8.1E-05	1.1E-08	0.00011	3.21E-05	1.3848E-06	9.85E-05	6.36E-09	1.32E-04	2.83E-05	1.07E-06	0.000212	6.57E-09
4663	475363.09	3860377.25	0.01354	0.01211	0.01458	0.00885	2.47E-05	1E-06	7.7E-05	9.4E-09	0.0001	3.02E-05	1.2628E-06	9.47E-05	5.28E-09	1.26E-04	2.67E-05	9.71E-07	0.000204	5.46E-09
4664	475863.09	3860377.25	0.01188	0.01079	0.01288	0.00702	2.17E-05	9.2E-07	6.8E-05	7.5E-09	9.1E-05	2.65E-05	1.12515E-06	8.37E-05	4.19E-09	1.11E-04	2.34E-05	8.66E-07	0.00018	4.33E-09
4665	476363.09	3860377.25	0.00954	0.00902	0.01028	0.00537	1.74E-05	7.7E-07	5.5E-05	5.7E-09	7.3E-05	2.13E-05	9.4058E-07	6.68E-05	3.21E-09	8.90E-05	1.88E-05	7.24E-07	0.000144	3.31E-09
4666	476863.09	3860377.25	0.00866	0.00866	0.00931	0.00489	1.58E-05	7.4E-07	4.9E-05	5.2E-09	6.6E-05	1.93E-05	9.0304E-07	6.05E-05	2.92E-09	8.07E-05	1.71E-05	6.95E-07	0.00013	3.02E-09
4667	477363.09	3860377.25	0.00504	0.00496	0.00539	0.00321	9.19E-06	4.2E-07	2.9E-05	3.4E-09	3.8E-05	1.13E-05	5.17215E-07	3.5E-05	1.92E-09	4.68E-05	9.93E-06	3.98E-07	7.54E-05	1.98E-09
4668	477863.09	3860377.25	0.00661	0.00637	0.00713	0.00398	1.20E-05	5.4E-07	3.8E-05	4.2E-09	5E-05	1.48E-05	6.64246E-07	4.63E-05	2.38E-09	6.17E-05	1.3E-05	5.11E-07	9.97E-05	2.45E-09
4669	478363.09	3860377.25	0.0129	0.01272	0.01401	0.00715	2.35E-05	1.1E-06	7.4E-05	7.6E-09	9.9E-05	2.88E-05	1.32641E-06	9.1E-05	4.27E-09	1.21E-04	2.54E-05	1.02E-06	0.000196	4.41E-09
4670	478863.09	3860377.25	0.01851	0.01813	0.0197	0.0111	3.37E-05	1.5E-06	0.0001	1.2E-08	0.00014	4.13E-05	1.89055E-06	0.000128	6.62E-09	1.71E-04	3.65E-05	1.45E-06	0.000276	6.84E-09
4671	479363.09	3860377.25	0.02373	0.02366	0.02447	0.01687	4.33E-05	2E-06	0.00013	1.8E-08	0.00018	5.30E-05	2.4672E-06	0.000159	1.01E-08	2.14E-04	4.67E-05	1.9E-06	0.000342	1.04E-08
4672	479863.09	3860377.25	0.02733	0.02789	0.02764	0.02279	4.98E-05	2.4E-06	0.00015	2.4E-08	0.0002	6.10E-05	2.90829E-06	0.00018	1.36E-08	2.43E-04	5.38E-05	2.24E-06	0.000387	1.41E-08
4673	480363.09	3860377.25	0.0297	0.03136	0.02978	0.02719	5.41E-05	2.7E-06	0.00016	2.9E-08	0.00022	6.63E-05	3.27013E-06	0.000193	1.62E-08	2.63E-04	5.85E-05	2.52E-06	0.000417	1.68E-08
4674	480863.09	3860377.25	0.03188	0.03476	0.0316	0.03056	5.81E-05	3E-06	0.00017	3.3E-08	0.00023	7.12E-05	3.62467E-06	0.000205	1.82E-08	2.80E-04	6.28E-05	2.79E-06	0.000442	1.88E-08
4675	481363.09	3860377.25	0.03427	0.03736	0.03385	0.03302	6.25E-05	3.2E-06	0.00018	3.5E-08	0.00025	7.65E-05	3.8958E-06	0.00022	1.97E-08	3.00E-04	6.75E-05	3E-06	0.000474	2.04E-08
4676	481863.09	3860377.25	0.03669	0.03664	0.03652	0.03615	6.69E-05	3.1E-06	0.00019	3.9E-08	0.00026	8.20E-05	3.82072E-06	0.000237	2.16E-08	3.23E-04	7.23E-05	2.94E-06	0.000511	2.23E-08
4677	482363.09	3860377.25	0.03921	0.03537	0.03917	0.03954	7.15E-05	3E-06	0.00021	4.2E-08	0.00028	8.76E-05	3.68828E-06	0.000254	2.36E-08	3.46E-04	7.72E-05	2.84E-06	0.000548	2.44E-08
4678	482863.09	3860377.25	0.04186	0.03829	0.04177	0.04249	7.63E-05	3.3E-06	0.00022	4.5E-08	0.0003	9.35E-05	3.99277E-06	0.000271	2.54E-08	3.69E-04	8.24E-05	3.07E-06	0.000584	2.62E-08
4679	483363.09	3860377.25	0.04412	0.04028	0.04423	0.04594	8.04E-05	3.4E-06	0.00024	4.9E-08	0.00032	9.86E-05	4.20028E-06	0.000287	2.74E-08	3.90E-04	8.69E-05	3.23E-06	0.000619	2.83E-08
4680	483863.09	3860377.25	0.04672	0.04175	0.0468	0.04919	8.52E-05	3.6E-06	0.00025	5.2E-08	0.00034	1.04E-04	4.35357E-06	0.000304	2.94E-08	4.13E-04	9.2E-05	3.35E-06	0.000655	3.03E-08
4681	484363.09	3860377.25	0.04689	0.04264	0.04633	0.05244	8.55E-05	3.6E-06	0.00025	5.6E-08	0.00034	1.05E-04	4.44638E-06	0.000301	3.13E-08	4.10E-04	9.23E-05	3.42E-06	0.000648	3.23E-08
4682	484863.09	3860377.25	0.0487	0.04575	0.04706	0.05574	8.88E-05	3.9E-06	0.00025	5.9E-08	0.00034	1.09E-04	4.77068E-06	0.000306	3.33E-08	4.19E-04	9.59E-05	3.67E-06	0.000658	3.44E-08
4683	485363.09	3860377.25	0.05019	0.05065	0.04678	0.05796	9.15E-05	4.3E-06	0.00025	6.2E-08	0.00034	1.12E-04	5.28164E-06	0.000304	3.46E-08	4.21E-04	9.88E-05	4.06E-06	0.000654	3.57E-08
4684	485863.09	3860377.25	0.05179	0.05194	0.04707	0.06022	9.44E-05	4.4E-06	0.00025	6.4E-08	0.00035	1.16E-04	5.41616E-06	0.000306	3.59E-08	4.27E-04	0.000102	4.17E-06	0.000658	3.71E-08
4685	486363.09	3860377.25	0.0525	0.05226	0.04641	0.06168	9.57E-05	4.4E-06	0.00025	6.6E-08	0.00035	1.17E-04	5.44953E-06	0.000301	3.68E-08	4.24E-04	0.000103	4.19E-06	0.000649	3.8E-08
4686	486863.09	3860377.25	0.05326	0.04995	0.04554	0.06151	9.71E-05	4.3E-06	0.00024	6.6E-08	0.00034	1.19E-04	5.20864E-06	0.000296	3.67E-08	4.20E-04	0.000105	4.01E-06	0.000637	3.79E-08
4687	487363.09	3860377.25	0.05384	0.04695	0.04504	0.06056	9.81E-05	4E-06	0.00024	6.5E-08	0.00034	1.20E-04	4.89581E-06	0.000293	3.61E-08	4.18E-04	0.000106	3.77E-06	0.00063	3.73E-08
4688	487863.09	3860377.25	0.05526	0.05054	0.04551	0.06022	1.01E-04	4.3E-06	0.00024	6.4E-08	0.00035	1.23E-04	5.27017E-06	0.000296	3.59E-08	4.24E-04	0.000109	4.05E-06	0.000637	3.71E-08
4689	488363.09	3860377.25	0.05564	0.05107	0.04587	0.06174	1.01E-04	4.3E-06	0.00024	6.6E-08	0.00035	1.24E-04	5.32544E-06	0.000298	3.68E-08	4.28E-04	0.00011	4.1E-06	0.000642	3.81E-08
4690	488863.09	3860377.25	0.05619	0.05222	0.04704	0.06285	1.02E-04	4.4E-06	0.00025	6.7E-08	0.00036	1.26E-04	5.44535E-06	0.000306	3.75E-08	4.37E-04	0.000111	4.19E-06	0.000658	3.88E-08
4691	489363.09	3860377.25	0.05727	0.05474	0.04785	0.06511	1.04E-04	4.7E-06	0.00025	6.9E-08	0.00036	1.28E-04	5.70813E-06	0.000311	3.89E-08	4.44E-04	0.000113	4.39E-06	0.000669	4.01E-08
4692	489863.09	3860377.25	0.05881	0.05693	0.04882	0.06644	1.07E-04	4.8E-06	0.00026	7.1E-08	0.00037	1.31E-04	5.9365E-06	0.000317	3.97E-08	4.54E-04	0.000116	4.57E-06	0.000683	4.1E-08
4693	490363.09	3860377.25	0.05858	0.05775	0.04953	0.06867	1.07E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.31E-04	6.02201E-06	0.000322	4.1E-08	4.59E-04	0.000115	4.63E-06	0.000693	4.23E-08

4694	490863.09	3860377.25	0.05543	0.05531	0.04732	0.06545	1.01E-04	4.7E-06	0.00025	7E-08	0.00036	1.24E-04	5.76757E-06	0.000307	3.91E-08	4.37E-04	0.000109	4.44E-06	0.000662	4.04E-08
4695	491363.09	3860377.25	0.05318	0.05229	0.04427	0.06137	9.69E-05	4.4E-06	0.00024	6.5E-08	0.00034	1.19E-04	5.45265E-06	0.000288	3.66E-08	4.12E-04	0.000105	4.19E-06	0.000619	3.78E-08
4696	491863.09	3860377.25	0.05362	0.05272	0.0437	0.06185	9.77E-05	4.5E-06	0.00023	6.6E-08	0.00033	1.20E-04	5.49749E-06	0.000284	3.69E-08	4.09E-04	0.000106	4.23E-06	0.000611	3.81E-08
4697	492363.09	3860377.25	0.05526	0.05633	0.04532	0.06503	1.01E-04	4.8E-06	0.00024	6.9E-08	0.00035	1.23E-04	5.87393E-06	0.000294	3.88E-08	4.24E-04	0.000109	4.52E-06	0.000634	4.01E-08
4698	492863.09	3860377.25	0.05546	0.05819	0.04701	0.06704	1.01E-04	5E-06	0.00025	7.2E-08	0.00036	1.24E-04	6.06789E-06	0.000305	4E-08	4.35E-04	0.000109	4.67E-06	0.000658	4.13E-08
4699	493363.09	3860377.25	0.05612	0.05961	0.04919	0.06699	1.02E-04	5.1E-06	0.00026	7.1E-08	0.00037	1.25E-04	6.21596E-06	0.00032	4E-08	4.51E-04	0.000111	4.78E-06	0.000688	4.13E-08
4700	493863.09	3860377.25	0.055	0.05827	0.04889	0.06597	1.00E-04	5E-06	0.00026	7E-08	0.00037	1.23E-04	6.07623E-06	0.000318	3.94E-08	4.47E-04	0.000108	4.67E-06	0.000684	4.07E-08
4701	494363.09	3860377.25	0.05402	0.05758	0.04829	0.0633	9.85E-05	4.9E-06	0.00026	6.8E-08	0.00036	1.21E-04	6.00428E-06	0.000314	3.78E-08	4.40E-04	0.000106	4.62E-06	0.000676	3.9E-08
4702	494863.09	3860377.25	0.0521	0.05574	0.04658	0.06118	9.50E-05	4.7E-06	0.00025	6.5E-08	0.00035	1.16E-04	5.81241E-06	0.000303	3.65E-08	4.25E-04	0.000103	4.47E-06	0.000652	3.77E-08
4703	495363.09	3860377.25	0.05051	0.05442	0.04532	0.05832	9.21E-05	4.6E-06	0.00024	6.2E-08	0.00034	1.13E-04	5.67476E-06	0.000294	3.48E-08	4.13E-04	9.95E-05	4.37E-06	0.000634	3.6E-08
4704	495863.09	3860377.25	0.04876	0.05266	0.04427	0.05362	8.89E-05	4.5E-06	0.00024	5.7E-08	0.00033	1.09E-04	5.49124E-06	0.000288	3.2E-08	4.02E-04	9.6E-05	4.22E-06	0.000619	3.31E-08
4705	496363.09	3860377.25	0.04643	0.04991	0.04325	0.0482	8.46E-05	4.2E-06	0.00023	5.1E-08	0.00032	1.04E-04	5.20447E-06	0.000281	2.88E-08	3.90E-04	9.14E-05	4E-06	0.000605	2.97E-08
4706	496863.09	3860377.25	0.04375	0.04712	0.04151	0.04356	7.97E-05	4E-06	0.00022	4.6E-08	0.0003	9.77E-05	4.91354E-06	0.00027	2.6E-08	3.72E-04	8.62E-05	3.78E-06	0.000581	2.69E-08
4707	497363.09	3860377.25	0.04021	0.04335	0.03883	0.03811	7.33E-05	3.7E-06	0.00021	4.1E-08	0.00028	8.98E-05	4.52042E-06	0.000252	2.27E-08	3.47E-04	7.92E-05	3.48E-06	0.000543	2.35E-08
4708	497863.09	3860377.25	0.04215	0.04515	0.03967	0.0441	7.68E-05	3.8E-06	0.00021	4.7E-08	0.00029	9.42E-05	4.70811E-06	0.000258	2.63E-08	3.57E-04	8.3E-05	3.62E-06	0.000555	2.72E-08
4709	498363.09	3860377.25	0.0413	0.04539	0.03804	0.0474	7.53E-05	3.9E-06	0.0002	5.1E-08	0.00028	9.23E-05	4.73314E-06	0.000247	2.83E-08	3.44E-04	8.13E-05	3.64E-06	0.000532	2.92E-08
4710	471363.09	3860877.25	0.01014	0.00967	0.01005	0.00861	1.85E-05	8.2E-07	5.3E-05	9.2E-09	7.3E-05	2.27E-05	1.00836E-06	6.53E-05	5.14E-09	8.89E-05	2E-05	7.76E-07	0.000141	5.31E-09
4711	471863.09	3860877.25	0.01071	0.01053	0.01066	0.00907	1.95E-05	9E-07	5.7E-05	9.7E-09	7.7E-05	2.39E-05	1.09804E-06	6.92E-05	5.41E-09	9.43E-05	2.11E-05	8.45E-07	0.000149	5.59E-09
4712	472363.09	3860877.25	0.0113	0.01142	0.01134	0.00954	2.06E-05	9.7E-07	6E-05	1E-08	8.2E-05	2.52E-05	1.19085E-06	7.37E-05	5.69E-09	1.00E-04	2.23E-05	9.16E-07	0.000159	5.88E-09
4713	472863.09	3860877.25	0.01195	0.01205	0.01212	0.01022	2.18E-05	1E-06	6.4E-05	1.1E-08	8.7E-05	2.67E-05	1.25654E-06	7.87E-05	6.1E-09	1.07E-04	2.35E-05	9.67E-07	0.00017	6.3E-09
4714	473363.09	3860877.25	0.01258	0.01243	0.0129	0.01091	2.29E-05	1.1E-06	6.9E-05	1.2E-08	9.3E-05	2.81E-05	1.29617E-06	8.38E-05	6.51E-09	1.13E-04	2.48E-05	9.97E-07	0.00018	6.73E-09
4715	473863.09	3860877.25	0.01318	0.01256	0.01367	0.01167	2.40E-05	1.1E-06	7.3E-05	1.2E-08	9.8E-05	2.94E-05	1.30972E-06	8.88E-05	6.97E-09	1.20E-04	2.6E-05	1.01E-06	0.000191	7.2E-09
4716	474363.09	3860877.25	0.01379	0.01249	0.01441	0.01226	2.51E-05	1.1E-06	7.7E-05	1.3E-08	0.0001	3.08E-05	1.30242E-06	9.36E-05	7.32E-09	1.26E-04	2.72E-05	1E-06	0.000202	7.56E-09
4717	474863.09	3860877.25	0.01445	0.01282	0.01512	0.01283	2.63E-05	1.1E-06	8E-05	1.4E-08	0.00011	3.23E-05	1.33683E-06	9.82E-05	7.66E-09	1.32E-04	2.85E-05	1.03E-06	0.000212	7.91E-09
4718	475363.09	3860877.25	0.01486	0.01345	0.0156	0.01246	2.71E-05	1.1E-06	8.3E-05	1.3E-08	0.00011	3.32E-05	1.40253E-06	0.000101	7.44E-09	1.36E-04	2.93E-05	1.08E-06	0.000218	7.68E-09
4719	475863.09	3860877.25	0.01488	0.01429	0.01567	0.01128	2.71E-05	1.2E-06	8.3E-05	1.2E-08	0.00011	3.32E-05	1.49012E-06	0.000102	6.73E-09	1.37E-04	2.93E-05	1.15E-06	0.000219	6.95E-09
4720	476363.09	3860877.25	0.01423	0.01457	0.01508	0.00947	2.59E-05	1.2E-06	8E-05	1E-08	0.00011	3.18E-05	1.51932E-06	9.79E-05	5.65E-09	1.31E-04	2.8E-05	1.17E-06	0.000211	5.84E-09
4721	476863.09	3860877.25	0.0141	0.01451	0.01501	0.00887	2.57E-05	1.2E-06	8E-05	9.5E-09	0.00011	3.15E-05	1.51306E-06	9.75E-05	5.29E-09	1.31E-04	2.78E-05	1.16E-06	0.00021	5.47E-09
4722	477363.09	3860877.25	0.01472	0.01474	0.01569	0.00919	2.68E-05	1.3E-06	8.3E-05	9.8E-09	0.00011	3.29E-05	1.53705E-06	0.000102	5.48E-09	1.36E-04	2.9E-05	1.18E-06	0.000219	5.67E-09
4723	477863.09	3860877.25	0.01325	0.01279	0.0143	0.00768	2.42E-05	1.1E-06	7.6E-05	8.2E-09	0.0001	2.96E-05	1.33371E-06	9.29E-05	4.58E-09	1.24E-04	2.61E-05	1.03E-06	0.0002	4.74E-09
4724	478363.09	3860877.25	0.00805	0.00712	0.00875	0.00467	1.47E-05	6.1E-07	4.6E-05	5E-09	6.2E-05	1.80E-05	7.42453E-07	5.68E-05	2.79E-09	7.56E-05	1.59E-05	5.71E-07	0.000122	2.88E-09
4725	478863.09	3860877.25	0.01709	0.01659	0.01807	0.01036	3.12E-05	1.4E-06	9.6E-05	1.1E-08	0.00013	3.82E-05	1.72996E-06	0.000117	6.18E-09	1.57E-04	3.37E-05	1.33E-06	0.000253	6.39E-09
4726	479363.09	3860877.25	0.02212	0.02369	0.02261	0.01645	4.03E-05	2E-06	0.00012	1.8E-08	0.00016	4.94E-05	2.47033E-06	0.000147	9.82E-09	1.99E-04	4.36E-05	1.9E-06	0.000316	1.01E-08
4727	479863.09	3860877.25	0.02501	0.02767	0.02488	0.02162	4.56E-05	2.4E-06	0.00013	2.3E-08	0.00018	5.59E-05	2.88535E-06	0.000162	1.29E-08	2.20E-04	4.93E-05	2.22E-06	0.000348	1.33E-08
4728	480363.09	3860877.25	0.02696	0.0293	0.02644	0.02532	4.91E-05	2.5E-06	0.00014	2.7E-08	0.00019	6.02E-05	3.05532E-06	0.000172	1.51E-08	2.35E-04	5.31E-05	2.35E-06	0.00037	1.56E-08
4729	480863.09	3860877.25	0.02888	0.03008	0.02822	0.02765	5.26E-05	2.6E-06	0.00015	2.9E-08	0.00021	6.45E-05	3.13666E-06	0.000183	1.65E-08	2.51E-04	5.69E-05	2.41E-06	0.000395	1.7E-08
4730	481363.09	3860877.25	0.03078	0.02971	0.03032	0.03002	5.61E-05	2.5E-06	0.00016	3.2E-08	0.00022	6.88E-05	3.09807E-06	0.000197	1.79E-08	2.69E-04	6.06E-05	2.38E-06	0.000424	1.85E-08
4731	481863.09	3860877.25	0.03262	0.02941	0.03248	0.03243	5.95E-05	2.5E-06	0.00017	3.5E-08	0.00023	7.29E-05	3.06679E-06	0.000211	1.94E-08	2.87E-04	6.42E-05	2.36E-06	0.000454	2E-08
4732	482363.09	3860877.25	0.0344	0.03093	0.03419	0.03497	6.27E-05	2.6E-06	0.00018	3.7E-08	0.00025	7.68E-05	3.22529E-06	0.000222	2.09E-08	3.02E-04	6.77E-05	2.48E-06	0.000478	2.16E-08
4733	482863.09	3860877.25	0.03648	0.03379	0.03633	0.03651	6.65E-05	2.9E-06	0.00019	3.9E-08	0.00026	8.15E-05	3.52353E-06	0.000236	2.18E-08	3.21E-04	7.18E-05	2.71E-06	0.000508	2.25E-08
4734	483363.09	3860877.25	0.03847	0.03449	0.03861	0.03901	7.01E-05	2.9E-06	0.00021	4.2E-08	0.00028	8.59E-05	3.59652E-06	0.000251	2.33E-08	3.40E-04	7.58E-05	2.77E-06	0.00054	2.41E-08
4735	483863.09	3860877.25	0.0402	0.03692	0.04013	0.0421	7.33E-05	3.1E-06	0.00021	4.5E-08	0.00029	8.98E-05	3.84991E-06	0.000261	2.51E-08	3.54E-04	7.92E-05	2.96E-06	0.000561	2.6E-08
4736	484363.09	3860877.25	0.04102	0.03867	0.04043	0.0448	7.48E-05	3.3E-06	0.00021	4.8E-08	0.00029	9.16E-05	4.0324E-06	0.000263	2.67E-08	3.58E-04	8.08E-05	3.1E-06	0.000566	2.76E-08
4737	484863.09	3860877.25	0.04089	0.03904	0.03942	0.04652	7.45E-05	3.3E-06	0.00021	5E-08	0.00029	9.13E-05	4.07098E-06	0.000256	2.78E-08	3.51E-04	8.05E-05	3.13E-06	0.000551	2.87E-08
4738	485363.09	3860877.25	0.04186	0.0418	0.03916	0.04806	7.63E-05	3.6E-06	0.00021	5.1E-08	0.00029	9.35E-05	4.35879E-06	0.000254	2.87E-08	3.52E-04	8.24E-05	3.35E-06	0.000548	2.96E-08
4739	485863.09	3860877.25	0.0433	0.04216	0.03969	0.04898	7.89E-05	3.6E-06	0.00021	5.2E-08	0.00029	9.67E-05	4.39633E-06	0.000258	2.92E-08	3.59E-04	8.53E-05	3.38E-06	0.000555	3.02E-08
4740	486363.09	3860877.25	0.04311	0.04304	0.03855	0.04901	7.86E-05	3.7E-06	0.0002	5.2E-08	0.00029	9.63E-05	4.48809E-06	0.00025	2.93E-08	3.51E-04	8.49E-05	3.45E-06	0.000539	3.02E-08
4741	486863.09	3860877.25	0.04333	0.04034	0.0379	0.04854	7.90E-05	3.4E-06	0.0002	5.2E-08	0.00028	9.68E-05	4.20654E-06	0.000246	2.9E-08	3.47E-04	8.53E-05	3.24E-06	0.00053	2.99E-08
4742	487363.09	3860877.25	0.04322	0.03764	0.03741	0.04782	7.88E-05	3.2E-06	0.0002	5.1E-08	0.00028	9.65E-05	3.92499E-06	0.000243	2.85E-08	3.43E-04	8.51E-05	3.02E-06	0.000523	2.95E-08
4743	487863.09	3860877.25	0.04298	0.03919	0.03708	0.04676	7.83E-05	3.3E-06	0.0002	5E-08	0.00028	9.60E-05	4.08662E-06	0.000241	2.79E-08	3.41E-04	8.46E-05	3.14E-06	0.000519	2.88E-08
4744	488363.09	3860877.25	0.04435	0.04246	0.03804	0.0485	8.08E-05	3.6E-06	0.0002	5.2E-08	0.00029	9.91E-05	4.42761E-06	0.000247	2.89E-08	3.51E-04	8.73E-05	3.41E-06	0.000532	2.99E-08
4745	488863.09	3860877.25	0.04357	0.04042	0.03795	0.04897	7.94E-05	3.4E-06	0.0002	5.2E-08	0.00028	9.73E-05	4.21488E-06	0.000246	2.92E-08	3.48E-04	8.58E-05	3.24E-06	0.000531	3.02E-08
4746	489363.09	3860877.25	0.0451	0.04351	0.03932	0.05042	8.22E-05	3.7E-06	0.00021	5.4E-08	0.00029	1.01E-04	4.5371E-06	0.000255	3.01E-08	3.61E-04	8.88E-05	3.49E-06	0.00055	3.11E-08
4747	489863.09	3860877.25	0.04452	0.04331	0.03877	0.05106	8.12E-05	3.7E-06	0.00021	5.4E-08	0.00029	9.94E-05	4.51624E-06	0.000252	3.05E-08	3.56E-04	8.77E-05	3.47E-06	0.000542	3.15E-08
4748	490363.09	3860877.25	0.04528	0.04461	0.03925	0.05183	8.25E-05	3.8E-06	0.00021	5.5E-08	0.00029	1.01E-04	4.6518E-06	0.000255	3.09E-08	3.61E-04	8.92E-05	3.58E-06	0.000549	3.2E-08
4749	490863.09	3860877.25	0.04561	0.04571	0.04022	0.05386	8.31E-05	3.9E-06	0.00021	5.7E-08	0.0003	1.02E-04	4.76651E-06	0.000261	3.21E-08	3.68E-04	8.98E-05	3.67E-06	0.000563	3.32E-08
4750	491363.09	3860877.25	0.04369	0.04432	0.03891	0.05212	7.96E-05	3.8E-06	0.00021	5.6E-08	0.00029	9.76E-05	4.62156E-06	0.000253	3.11E-08	3.55E-04	8.6E-05	3.56E-06	0.000544	3.21E-08
4751	491863.09	3860877.25	0.04182	0.04217	0.0367	0.04875	7.62E-05	3.6E-06	0.00019	5.2E-08	0.00027	9.34E-05	4.39737E-06	0.000238	2.91E-08	3.36E-04	8.24E-05	3.38E-06	0.000513	3.01E-08
4752	492363.09	3860877.25	0.04066	0.04074	0.0351	0.04737	7.41E-05	3.5E-06	0.00019	5.1E-08	0.00026	9.08E-05	4.24825E-06	0.000228	2.83E-08	3.23E-04	8.01E-05	3.27E-06	0.000491	2.92E-08
4753	492863.09	3860877.25	0.04144	0.04194	0.03532	0.0487	7.55E-05	3.6E-06	0.00019	5.2E-08	0.00027	9.26E-05	4.37338E-06	0.000229	2.91E-08	3.26E-04	8.16E-05	3.36E-06	0.000494	3E-08
4754	493363.09	3860877.25	0.04295	0.04472	0.03689	0.05146	7.83E-05	3.8E-06	0.0002	5.5E-08	0.00028	9.59E-05	4.66328E-06	0.00024	3.07E-08	3.40E-04	8.46E-05	3.59E-06	0.000516	3.17E-08

4755	493863.09	3860877.25	0.04329	0.04593	0.03822	0.05294	7.89E-05	3.9E-06	0.0002	5.6E-08	0.00029	9.67E-05	4.78945E-06	0.000248	3.16E-08	3.50E-04	8.53E-05	3.68E-06	0.000535	3.26E-08
4756	494363.09	3860877.25	0.04336	0.04616	0.03918	0.05319	7.90E-05	3.9E-06	0.00021	5.7E-08	0.00029	9.69E-05	4.81343E-06	0.000254	3.17E-08	3.56E-04	8.54E-05	3.7E-06	0.000548	3.28E-08
4757	494863.09	3860877.25	0.04321	0.04603	0.03945	0.05249	7.88E-05	3.9E-06	0.00021	5.6E-08	0.00029	9.65E-05	4.79988E-06	0.000256	3.13E-08	3.58E-04	8.51E-05	3.69E-06	0.000552	3.24E-08
4758	495363.09	3860877.25	0.04259	0.04555	0.03896	0.05111	7.76E-05	3.9E-06	0.00021	5.5E-08	0.00029	9.51E-05	4.74983E-06	0.000253	3.05E-08	3.53E-04	8.39E-05	3.65E-06	0.000545	3.15E-08
4759	495863.09	3860877.25	0.04143	0.04452	0.03788	0.04946	7.55E-05	3.8E-06	0.0002	5.3E-08	0.00028	9.25E-05	4.64242E-06	0.000246	2.95E-08	3.43E-04	8.16E-05	3.57E-06	0.00053	3.05E-08
4760	496363.09	3860877.25	0.04072	0.04403	0.03727	0.04747	7.42E-05	3.7E-06	0.0002	5.1E-08	0.00028	9.10E-05	4.59132E-06	0.000242	2.83E-08	3.38E-04	8.02E-05	3.53E-06	0.000521	2.93E-08
4761	496863.09	3860877.25	0.0397	0.04299	0.03665	0.04383	7.24E-05	3.7E-06	0.00019	4.7E-08	0.00027	8.87E-05	4.48288E-06	0.000238	2.62E-08	3.31E-04	7.82E-05	3.45E-06	0.000513	2.7E-08
4762	497363.09	3860877.25	0.03855	0.04178	0.03569	0.04274	7.03E-05	3.6E-06	0.00019	4.6E-08	0.00026	8.61E-05	4.3567E-06	0.000232	2.55E-08	3.22E-04	7.59E-05	3.35E-06	0.000499	2.64E-08
4763	497863.09	3860877.25	0.03747	0.04041	0.03502	0.0409	6.83E-05	3.4E-06	0.00019	4.4E-08	0.00026	8.37E-05	4.21384E-06	0.000227	2.44E-08	3.15E-04	7.38E-05	3.24E-06	0.00049	2.52E-08
4764	498363.09	3860877.25	0.03636	0.03974	0.03368	0.0415	6.63E-05	3.4E-06	0.00018	4.4E-08	0.00025	8.12E-05	4.14397E-06	0.000219	2.48E-08	3.04E-04	7.16E-05	3.19E-06	0.000471	2.56E-08
4765	471363.09	3861377.25	0.01008	0.01023	0.01013	0.0087	1.84E-05	8.7E-07	5.4E-05	9.3E-09	7.3E-05	2.25E-05	1.06676E-06	6.58E-05	5.19E-09	8.94E-05	1.99E-05	8.21E-07	0.000142	5.36E-09
4766	471863.09	3861377.25	0.0106	0.01082	0.01075	0.0092	1.93E-05	9.2E-07	5.7E-05	9.8E-09	7.7E-05	2.37E-05	1.12828E-06	6.98E-05	5.49E-09	9.46E-05	2.09E-05	8.68E-07	0.00015	5.67E-09
4767	472363.09	3861377.25	0.01112	0.0112	0.0114	0.00984	2.03E-05	9.5E-07	6.1E-05	1E-08	8.2E-05	2.48E-05	1.1679E-06	7.4E-05	5.87E-09	1.00E-04	2.19E-05	8.98E-07	0.000159	6.07E-09
4768	472863.09	3861377.25	0.01167	0.01143	0.01206	0.01067	2.13E-05	9.7E-07	6.4E-05	1.1E-08	8.6E-05	2.61E-05	1.19189E-06	7.83E-05	6.37E-09	1.06E-04	2.3E-05	9.17E-07	0.000169	6.58E-09
4769	473363.09	3861377.25	0.01219	0.0115	0.01265	0.0114	2.22E-05	9.8E-07	6.7E-05	1.2E-08	9E-05	2.72E-05	1.19919E-06	8.22E-05	6.8E-09	1.11E-04	2.4E-05	9.23E-07	0.000177	7.03E-09
4770	473863.09	3861377.25	0.01271	0.01169	0.0132	0.01193	2.32E-05	9.9E-07	7E-05	1.3E-08	9.4E-05	2.84E-05	1.219E-06	8.57E-05	7.12E-09	1.15E-04	2.5E-05	9.38E-07	0.000185	7.36E-09
4771	474363.09	3861377.25	0.01331	0.01222	0.01374	0.01263	2.43E-05	1E-06	7.3E-05	1.3E-08	9.8E-05	2.97E-05	1.27427E-06	8.92E-05	7.54E-09	1.20E-04	2.62E-05	9.8E-07	0.000192	7.79E-09
4772	474863.09	3861377.25	0.01391	0.01309	0.01433	0.01291	2.54E-05	1.1E-06	7.6E-05	1.4E-08	0.0001	3.11E-05	1.36499E-06	9.31E-05	7.71E-09	1.26E-04	2.74E-05	1.05E-06	0.0002	7.96E-09
4773	475363.09	3861377.25	0.0146	0.01403	0.01496	0.01357	2.66E-05	1.2E-06	7.9E-05	1.4E-08	0.00011	3.26E-05	1.46301E-06	9.72E-05	8.1E-09	1.31E-04	2.88E-05	1.13E-06	0.000209	8.37E-09
4774	475863.09	3861377.25	0.01518	0.01491	0.01554	0.01362	2.77E-05	1.3E-06	8.3E-05	1.5E-08	0.00011	3.39E-05	1.55477E-06	0.000101	8.13E-09	1.36E-04	2.99E-05	1.2E-06	0.000217	8.4E-09
4775	476363.09	3861377.25	0.01563	0.01538	0.01604	0.01328	2.85E-05	1.3E-06	8.5E-05	1.4E-08	0.00012	3.49E-05	1.60378E-06	0.000104	7.93E-09	1.41E-04	3.08E-05	1.23E-06	0.000224	8.19E-09
4776	476863.09	3861377.25	0.01608	0.01555	0.01657	0.01308	2.93E-05	1.3E-06	8.8E-05	1.4E-08	0.00012	3.59E-05	1.62151E-06	0.000108	7.81E-09	1.45E-04	3.17E-05	1.25E-06	0.000232	8.06E-09
4777	477363.09	3861377.25	0.01653	0.01572	0.01712	0.01296	3.01E-05	1.3E-06	9.1E-05	1.4E-08	0.00012	3.69E-05	1.63924E-06	0.000111	7.74E-09	1.50E-04	3.26E-05	1.26E-06	0.000239	7.99E-09
4778	477863.09	3861377.25	0.01512	0.01432	0.01601	0.01001	2.76E-05	1.2E-06	8.5E-05	1.1E-08	0.00011	3.38E-05	1.49325E-06	0.000104	5.97E-09	1.39E-04	2.98E-05	1.15E-06	0.000224	6.17E-09
4779	478363.09	3861377.25	0.00985	0.00937	0.01062	0.00554	1.80E-05	8E-07	5.6E-05	5.9E-09	7.5E-05	2.20E-05	9.77077E-07	6.9E-05	3.31E-09	9.20E-05	1.94E-05	7.52E-07	0.000149	3.42E-09
4780	478863.09	3861377.25	0.01236	0.01349	0.01305	0.0069	2.25E-05	1.1E-06	6.9E-05	7.4E-09	9.3E-05	2.76E-05	1.4067E-06	8.48E-05	4.12E-09	1.14E-04	2.43E-05	1.08E-06	0.000183	4.25E-09
4781	479363.09	3861377.25	0.01996	0.02312	0.02008	0.01466	3.64E-05	2E-06	0.00011	1.6E-08	0.00015	4.46E-05	2.41089E-06	0.00013	8.75E-09	1.77E-04	3.93E-05	1.85E-06	0.000281	9.04E-09
4782	479863.09	3861377.25	0.02288	0.02391	0.0224	0.01995	4.17E-05	2E-06	0.00012	2.1E-08	0.00016	5.11E-05	2.49327E-06	0.000145	1.19E-08	1.99E-04	4.51E-05	1.92E-06	0.000313	1.23E-08
4783	480363.09	3861377.25	0.02472	0.02433	0.02402	0.02345	4.51E-05	2.1E-06	0.00013	2.5E-08	0.00017	5.52E-05	2.53706E-06	0.000156	1.4E-08	2.14E-04	4.87E-05	1.95E-06	0.000336	1.45E-08
4784	480863.09	3861377.25	0.02613	0.02482	0.0256	0.02534	4.76E-05	2.1E-06	0.00014	2.7E-08	0.00019	5.84E-05	2.58816E-06	0.000166	1.51E-08	2.27E-04	5.15E-05	1.99E-06	0.000358	1.56E-08
4785	481363.09	3861377.25	0.02751	0.02552	0.02725	0.02706	5.01E-05	2.2E-06	0.00014	2.9E-08	0.0002	6.14E-05	2.66115E-06	0.000177	1.62E-08	2.41E-04	5.42E-05	2.05E-06	0.000381	1.67E-08
4786	481863.09	3861377.25	0.02894	0.0261	0.02885	0.02873	5.28E-05	2.2E-06	0.00015	3.1E-08	0.00021	6.46E-05	2.72163E-06	0.000187	1.71E-08	2.55E-04	5.7E-05	2.09E-06	0.000404	1.77E-08
4787	482363.09	3861377.25	0.03051	0.02767	0.03028	0.03043	5.56E-05	2.4E-06	0.00016	3.2E-08	0.00022	6.82E-05	2.88535E-06	0.000197	1.82E-08	2.68E-04	6.01E-05	2.22E-06	0.000424	1.88E-08
4788	482863.09	3861377.25	0.03213	0.02922	0.03207	0.03217	5.86E-05	2.5E-06	0.00017	3.4E-08	0.00023	7.18E-05	3.04698E-06	0.000208	1.92E-08	2.83E-04	6.33E-05	2.34E-06	0.000449	1.98E-08
4789	483363.09	3861377.25	0.03351	0.03062	0.03354	0.03454	6.11E-05	2.6E-06	0.00018	3.7E-08	0.00024	7.49E-05	3.19297E-06	0.000218	2.06E-08	2.96E-04	6.6E-05	2.46E-06	0.000469	2.13E-08
4790	483863.09	3861377.25	0.03462	0.03288	0.0344	0.03662	6.31E-05	2.8E-06	0.00018	3.9E-08	0.00025	7.73E-05	3.42863E-06	0.000223	2.19E-08	3.04E-04	6.82E-05	2.64E-06	0.000481	2.26E-08
4791	484363.09	3861377.25	0.03584	0.03427	0.0354	0.03839	6.53E-05	2.9E-06	0.00019	4.1E-08	0.00026	8.01E-05	3.57358E-06	0.00023	2.29E-08	3.14E-04	7.06E-05	2.75E-06	0.000495	2.37E-08
4792	484863.09	3861377.25	0.03566	0.03475	0.03435	0.03996	6.50E-05	3E-06	0.00018	4.3E-08	0.00025	7.97E-05	3.62363E-06	0.000223	2.38E-08	3.06E-04	7.02E-05	2.79E-06	0.000481	2.46E-08
4793	485363.09	3861377.25	0.03549	0.0339	0.03329	0.04013	6.47E-05	2.9E-06	0.00018	4.3E-08	0.00024	7.93E-05	3.535E-06	0.000216	2.4E-08	2.99E-04	6.99E-05	2.72E-06	0.000466	2.47E-08
4794	485863.09	3861377.25	0.03604	0.0348	0.03311	0.04018	6.57E-05	3E-06	0.00018	4.3E-08	0.00024	8.05E-05	3.62885E-06	0.000215	2.4E-08	2.99E-04	7.1E-05	2.79E-06	0.000463	2.48E-08
4795	486363.09	3861377.25	0.03622	0.03588	0.03266	0.03976	6.60E-05	3.1E-06	0.00017	4.2E-08	0.00024	8.09E-05	3.74146E-06	0.000212	2.37E-08	2.97E-04	7.13E-05	2.88E-06	0.000457	2.45E-08
4796	486863.09	3861377.25	0.03623	0.03384	0.03227	0.03978	6.60E-05	2.9E-06	0.00017	4.2E-08	0.00024	8.09E-05	3.52874E-06	0.00021	2.37E-08	2.94E-04	7.14E-05	2.71E-06	0.000451	2.45E-08
4797	487363.09	3861377.25	0.03584	0.03125	0.03186	0.03903	6.53E-05	2.7E-06	0.00017	4.2E-08	0.00024	8.01E-05	3.25866E-06	0.000207	2.33E-08	2.90E-04	7.06E-05	2.51E-06	0.000446	2.41E-08
4798	487863.09	3861377.25	0.03557	0.03183	0.03161	0.03825	6.48E-05	2.7E-06	0.00017	4.1E-08	0.00024	7.95E-05	3.31914E-06	0.000205	2.28E-08	2.88E-04	7.01E-05	2.55E-06	0.000442	2.36E-08
4799	488363.09	3861377.25	0.0352	0.03427	0.03106	0.03839	6.42E-05	2.9E-06	0.00017	4.1E-08	0.00023	7.86E-05	3.57358E-06	0.000202	2.29E-08	2.84E-04	6.93E-05	2.75E-06	0.000434	2.37E-08
4800	488863.09	3861377.25	0.0353	0.03323	0.03144	0.0396	6.43E-05	2.8E-06	0.00017	4.2E-08	0.00023	7.89E-05	3.46513E-06	0.000204	2.36E-08	2.87E-04	6.95E-05	2.67E-06	0.00044	2.44E-08
4801	489363.09	3861377.25	0.03556	0.03376	0.0318	0.03963	6.48E-05	2.9E-06	0.00017	4.2E-08	0.00024	7.94E-05	3.5204E-06	0.000207	2.37E-08	2.90E-04	7E-05	2.71E-06	0.000445	2.44E-08
4802	489863.09	3861377.25	0.0361	0.03529	0.03244	0.04109	6.58E-05	3E-06	0.00017	4.4E-08	0.00024	8.06E-05	3.67994E-06	0.000211	2.45E-08	2.95E-04	7.11E-05	2.83E-06	0.000454	2.53E-08
4803	490363.09	3861377.25	0.03633	0.03566	0.03241	0.04146	6.62E-05	3E-06	0.00017	4.4E-08	0.00024	8.12E-05	3.71852E-06	0.000211	2.47E-08	2.95E-04	7.16E-05	2.86E-06	0.000453	2.56E-08
4804	490863.09	3861377.25	0.03662	0.03643	0.03261	0.04186	6.68E-05	3.1E-06	0.00017	4.5E-08	0.00024	8.18E-05	3.79882E-06	0.000212	2.5E-08	2.97E-04	7.21E-05	2.92E-06	0.000456	2.58E-08
4805	491363.09	3861377.25	0.037	0.03739	0.03348	0.04361	6.74E-05	3.2E-06	0.00018	4.7E-08	0.00025	8.26E-05	3.89892E-06	0.000217	2.6E-08	3.04E-04	7.29E-05	3E-06	0.000468	2.69E-08
4806	491863.09	3861377.25	0.03586	0.03665	0.03277	0.0428	6.54E-05	3.1E-06	0.00017	4.6E-08	0.00024	8.01E-05	3.82176E-06	0.000213	2.55E-08	2.97E-04	7.06E-05	2.94E-06	0.000458	2.64E-08
4807	492363.09	3861377.25	0.03415	0.03478	0.0309	0.03992	6.22E-05	3E-06	0.00016	4.3E-08	0.00023	7.63E-05	3.62676E-06	0.000201	2.38E-08	2.81E-04	6.73E-05	2.79E-06	0.000432	2.46E-08
4808	492863.09	3861377.25	0.03323	0.03374	0.02973	0.03866	6.06E-05	2.9E-06	0.00016	4.1E-08	0.00022	7.42E-05	3.51831E-06	0.000193	2.31E-08	2.71E-04	6.54E-05	2.71E-06	0.000416	2.38E-08
4809	493363.09	3861377.25	0.03334	0.03389	0.02947	0.03885	6.08E-05	2.9E-06	0.00016	4.1E-08	0.00022	7.45E-05	3.53395E-06	0.000191	2.32E-08	2.69E-04	6.57E-05	2.72E-06	0.000412	2.4E-08
4810	493863.09	3861377.25	0.03377	0.03481	0.02962	0.03993	6.16E-05	3E-06	0.00016	4.3E-08	0.00022	7.54E-05	3.62989E-06	0.000192	2.38E-08	2.71E-04	6.65E-05	2.79E-06	0.000414	2.46E-08
4811	494363.09	3861377.25	0.03431	0.03614	0.03043	0.04155	6.25E-05	3.1E-06	0.00016	4.4E-08	0.00023	7.66E-05	3.76858E-06	0.000198	2.48E-08	2.78E-04	6.76E-05	2.9E-06	0.000426	2.56E-08
4812	494863.09	3861377.25	0.03476	0.03709	0.03154	0.04277	6.34E-05	3.2E-06	0.00017	4.6E-08	0.00023	7.76E-05	3.86764E-06	0.000205	2.55E-08	2.86E-04	6.85E-05	2.98E-06	0.000441	2.64E-08
4813	495363.09	3861377.25	0.03484	0.03724	0.03218	0.04295	6.35E-05	3.2E-06	0.00017	4.6E-08	0.00024	7.78E-05	3.88328E-06	0.000209	2.56E-08	2.91E-04	6.86E-05	2.99E-06	0.00045	2.65E-08
4814	495863.09	3861377.25	0.03442	0.03675	0.032	0.04222	6.27E-05	3.1E-06	0.00017	4.5E-08	0.00024	7.69E-05	3.83219E-06	0.000208	2.52E-08	2.89E-04	6.78E-05	2.95E-06	0.000448	2.6E-08
4815	496363.09	3861377.25	0.03434	0.03678	0.03191	0.04161	6.26E-05	3.1E-06	0.00017	4.4E-08	0.00024	7.67E-05	3.83531E-06	0.000207	2.48E-08	2.88E-04	6.76E-05	2.95E-06	0.000446	2.57E-08

4816	496863.09	3861377.25	0.03435	0.03709	0.03191	0.04082	6.26E-05	3.2E-06	0.00017	4.4E-08	0.00024	7.67E-05	3.86764E-06	0.000207	2.44E-08	2.88E-04	6.77E-05	2.98E-06	0.000446	2.52E-08
4817	497363.09	3861377.25	0.03358	0.03643	0.03119	0.03963	6.12E-05	3.1E-06	0.00017	4.2E-08	0.00023	7.50E-05	3.79882E-06	0.000203	2.37E-08	2.81E-04	6.61E-05	2.92E-06	0.000436	2.44E-08
4818	497863.09	3861377.25	0.03276	0.03562	0.03045	0.03855	5.97E-05	3E-06	0.00016	4.1E-08	0.00022	7.32E-05	3.71435E-06	0.000198	2.3E-08	2.75E-04	6.45E-05	2.86E-06	0.000426	2.38E-08
4819	498363.09	3861377.25	0.03201	0.03489	0.02981	0.03734	5.83E-05	3E-06	0.00016	4E-08	0.00022	7.15E-05	3.63823E-06	0.000194	2.23E-08	2.69E-04	6.3E-05	2.8E-06	0.000417	2.3E-08
4820	471363.09	3861877.25	0.00995	0.01021	0.01017	0.009	1.81E-05	8.7E-07	5.4E-05	9.6E-09	7.3E-05	2.22E-05	1.06467E-06	6.61E-05	5.37E-09	8.94E-05	1.96E-05	8.19E-07	0.000142	5.55E-09
4821	471863.09	3861877.25	0.01038	0.01035	0.0107	0.00964	1.89E-05	8.8E-07	5.7E-05	1E-08	7.7E-05	2.32E-05	1.07927E-06	6.95E-05	5.75E-09	9.38E-05	2.04E-05	8.3E-07	0.00015	5.94E-09
4822	472363.09	3861877.25	0.01081	0.01041	0.01119	0.0103	1.97E-05	8.9E-07	5.9E-05	1.1E-08	8E-05	2.41E-05	1.08553E-06	7.27E-05	6.15E-09	9.79E-05	2.13E-05	8.35E-07	0.000157	6.35E-09
4823	472863.09	3861877.25	0.01126	0.01052	0.01164	0.01093	2.05E-05	9E-07	6.2E-05	1.2E-08	8.3E-05	2.52E-05	1.097E-06	7.56E-05	6.52E-09	1.02E-04	2.22E-05	8.44E-07	0.000163	6.74E-09
4824	473363.09	3861877.25	0.01172	0.01082	0.01205	0.01147	2.14E-05	9.2E-07	6.4E-05	1.2E-08	8.6E-05	2.62E-05	1.12828E-06	7.83E-05	6.85E-09	1.06E-04	2.31E-05	8.68E-07	0.000169	7.07E-09
4825	473863.09	3861877.25	0.01221	0.01135	0.01248	0.01187	2.23E-05	9.7E-07	6.6E-05	1.3E-08	9E-05	2.73E-05	1.18355E-06	8.11E-05	7.08E-09	1.10E-04	2.4E-05	9.1E-07	0.000175	7.32E-09
4826	474363.09	3861877.25	0.01274	0.01203	0.01295	0.01232	2.32E-05	1E-06	6.9E-05	1.3E-08	9.3E-05	2.85E-05	1.25445E-06	8.41E-05	7.35E-09	1.14E-04	2.51E-05	9.65E-07	0.000181	7.6E-09
4827	474863.09	3861877.25	0.01331	0.01273	0.01348	0.0127	2.43E-05	1.1E-06	7.2E-05	1.4E-08	9.7E-05	2.97E-05	1.32745E-06	8.76E-05	7.58E-09	1.19E-04	2.62E-05	1.02E-06	0.000189	7.83E-09
4828	475363.09	3861877.25	0.0139	0.01337	0.01404	0.01323	2.53E-05	1.1E-06	7.5E-05	1.4E-08	0.0001	3.10E-05	1.39419E-06	9.12E-05	7.9E-09	1.24E-04	2.74E-05	1.07E-06	0.000196	8.16E-09
4829	475863.09	3861877.25	0.01453	0.014	0.01465	0.01392	2.65E-05	1.2E-06	7.8E-05	1.5E-08	0.00011	3.25E-05	1.45988E-06	9.52E-05	8.31E-09	1.29E-04	2.86E-05	1.12E-06	0.000205	8.58E-09
4830	476363.09	3861877.25	0.01515	0.01467	0.01526	0.01439	2.76E-05	1.2E-06	8.1E-05	1.5E-08	0.00011	3.38E-05	1.52975E-06	9.91E-05	8.59E-09	1.34E-04	2.98E-05	1.18E-06	0.000213	8.87E-09
4831	476863.09	3861877.25	0.01565	0.01518	0.01579	0.01438	2.85E-05	1.3E-06	8.4E-05	1.5E-08	0.00011	3.50E-05	1.58293E-06	0.000103	8.58E-09	1.39E-04	3.08E-05	1.22E-06	0.000221	8.87E-09
4832	477363.09	3861877.25	0.01607	0.01623	0.01621	0.01403	2.93E-05	1.4E-06	8.6E-05	1.5E-08	0.00012	3.59E-05	1.69242E-06	0.000105	8.37E-09	1.43E-04	3.16E-05	1.3E-06	0.000227	8.65E-09
4833	477863.09	3861877.25	0.01455	0.01611	0.01492	0.01013	2.65E-05	1.4E-06	7.9E-05	1.1E-08	0.00011	3.25E-05	1.67991E-06	9.69E-05	6.05E-09	1.31E-04	2.87E-05	1.29E-06	0.000209	6.25E-09
4834	478363.09	3861877.25	0.00805	0.0085	0.00851	0.00457	1.47E-05	7.2E-07	4.5E-05	4.9E-09	6.1E-05	1.80E-05	8.86356E-07	5.53E-05	2.73E-09	7.41E-05	1.59E-05	6.82E-07	0.000119	2.82E-09
4835	478863.09	3861877.25	0.01335	0.01477	0.01382	0.0079	2.43E-05	1.3E-06	7.3E-05	8.4E-09	9.9E-05	2.98E-05	1.54017E-06	8.98E-05	4.72E-09	1.21E-04	2.63E-05	1.18E-06	0.000193	4.87E-09
4836	479363.09	3861877.25	0.01257	0.01258	0.0133	0.00708	2.29E-05	1.1E-06	7.1E-05	7.6E-09	9.5E-05	2.81E-05	1.31181E-06	8.64E-05	4.23E-09	1.16E-04	2.48E-05	1.01E-06	0.000186	4.37E-09
4837	479863.09	3861877.25	0.02091	0.01971	0.02061	0.01846	3.81E-05	1.7E-06	0.00011	2E-08	0.00015	4.67E-05	2.0553E-06	0.000134	1.1E-08	1.83E-04	4.12E-05	1.58E-06	0.000288	1.14E-08
4838	480363.09	3861877.25	0.02248	0.02136	0.02202	0.02136	4.10E-05	1.8E-06	0.00012	2.3E-08	0.00016	5.02E-05	2.22736E-06	0.000143	1.27E-08	1.95E-04	4.43E-05	1.71E-06	0.000308	1.32E-08
4839	480863.09	3861877.25	0.02364	0.0225	0.02333	0.02262	4.31E-05	1.9E-06	0.00012	2.4E-08	0.00017	5.28E-05	2.34624E-06	0.000152	1.35E-08	2.07E-04	4.66E-05	1.8E-06	0.000326	1.39E-08
4840	481363.09	3861877.25	0.02478	0.02285	0.02465	0.02412	4.52E-05	1.9E-06	0.00013	2.6E-08	0.00018	5.54E-05	2.38273E-06	0.00016	1.44E-08	2.18E-04	4.88E-05	1.83E-06	0.000345	1.49E-08
4841	481863.09	3861877.25	0.02598	0.02303	0.02585	0.02585	4.74E-05	2E-06	0.00014	2.8E-08	0.00019	5.80E-05	2.4015E-06	0.000168	1.54E-08	2.28E-04	5.12E-05	1.85E-06	0.000362	1.59E-08
4842	482363.09	3861877.25	0.02726	0.02452	0.0271	0.0273	4.97E-05	2.1E-06	0.00014	2.9E-08	0.0002	6.09E-05	2.55688E-06	0.000176	1.63E-08	2.39E-04	5.37E-05	1.97E-06	0.000379	1.68E-08
4843	482863.09	3861877.25	0.02848	0.02641	0.02852	0.02869	5.19E-05	2.2E-06	0.00015	3.1E-08	0.00021	6.36E-05	2.75396E-06	0.000185	1.71E-08	2.52E-04	5.61E-05	2.12E-06	0.000399	1.77E-08
4844	483363.09	3861877.25	0.02942	0.02783	0.0294	0.0305	5.36E-05	2.4E-06	0.00016	3.3E-08	0.00021	6.57E-05	2.90203E-06	0.000191	1.82E-08	2.60E-04	5.79E-05	2.23E-06	0.000411	1.88E-08
4845	483863.09	3861877.25	0.03032	0.02889	0.03009	0.03201	5.53E-05	2.5E-06	0.00016	3.4E-08	0.00022	6.77E-05	3.01257E-06	0.000195	1.91E-08	2.66E-04	5.97E-05	2.32E-06	0.000421	1.97E-08
4846	484363.09	3861877.25	0.0308	0.02995	0.03019	0.03342	5.61E-05	2.5E-06	0.00016	3.6E-08	0.00022	6.88E-05	3.1231E-06	0.000196	1.99E-08	2.68E-04	6.07E-05	2.4E-06	0.000422	2.06E-08
4847	484863.09	3861877.25	0.03131	0.03022	0.03009	0.03434	5.71E-05	2.6E-06	0.00016	3.7E-08	0.00022	6.99E-05	3.15126E-06	0.000195	2.05E-08	2.69E-04	6.17E-05	2.42E-06	0.000421	2.12E-08
4848	485363.09	3861877.25	0.03116	0.02851	0.02938	0.0343	5.68E-05	2.4E-06	0.00016	3.7E-08	0.00022	6.96E-05	2.97294E-06	0.000191	2.05E-08	2.63E-04	6.14E-05	2.29E-06	0.000411	2.11E-08
4849	485863.09	3861877.25	0.03076	0.02988	0.02832	0.03358	5.61E-05	2.5E-06	0.00015	3.6E-08	0.00021	6.87E-05	3.1158E-06	0.000184	2E-08	2.56E-04	6.06E-05	2.4E-06	0.000396	2.07E-08
4850	486363.09	3861877.25	0.03094	0.03027	0.02811	0.03304	5.64E-05	2.6E-06	0.00015	3.5E-08	0.00021	6.91E-05	3.15647E-06	0.000183	1.97E-08	2.55E-04	6.09E-05	2.43E-06	0.000393	2.04E-08
4851	486863.09	3861877.25	0.0308	0.02898	0.02783	0.03325	5.61E-05	2.5E-06	0.00015	3.5E-08	0.00021	6.88E-05	3.02195E-06	0.000181	1.98E-08	2.53E-04	6.07E-05	2.32E-06	0.000389	2.05E-08
4852	487363.09	3861877.25	0.0305	0.02676	0.02767	0.03269	5.56E-05	2.3E-06	0.00015	3.5E-08	0.0002	6.81E-05	2.79046E-06	0.00018	1.95E-08	2.51E-04	6.01E-05	2.15E-06	0.000387	2.02E-08
4853	487863.09	3861877.25	0.03017	0.0264	0.02741	0.03209	5.50E-05	2.2E-06	0.00015	3.4E-08	0.0002	6.74E-05	2.75292E-06	0.000178	1.92E-08	2.48E-04	5.94E-05	2.12E-06	0.000383	1.98E-08
4854	488363.09	3861877.25	0.02984	0.02891	0.02686	0.03195	5.44E-05	2.5E-06	0.00014	3.4E-08	0.0002	6.67E-05	3.01465E-06	0.000174	1.91E-08	2.44E-04	5.88E-05	2.32E-06	0.000376	1.97E-08
4855	488863.09	3861877.25	0.0296	0.02858	0.02675	0.03279	5.40E-05	2.4E-06	0.00014	3.5E-08	0.0002	6.61E-05	2.98024E-06	0.000174	1.96E-08	2.43E-04	5.83E-05	2.29E-06	0.000374	2.02E-08
4856	489363.09	3861877.25	0.02954	0.02763	0.02686	0.0327	5.38E-05	2.4E-06	0.00014	3.5E-08	0.0002	6.60E-05	2.88118E-06	0.000174	1.95E-08	2.43E-04	5.82E-05	2.22E-06	0.000376	2.02E-08
4857	489863.09	3861877.25	0.0299	0.02911	0.02726	0.03339	5.45E-05	2.5E-06	0.00014	3.6E-08	0.0002	6.68E-05	3.03551E-06	0.000177	1.99E-08	2.47E-04	5.89E-05	2.34E-06	0.000381	2.06E-08
4858	490363.09	3861877.25	0.02998	0.02936	0.02745	0.03407	5.46E-05	2.5E-06	0.00015	3.6E-08	0.0002	6.70E-05	3.06158E-06	0.000178	2.03E-08	2.48E-04	5.9E-05	2.36E-06	0.000384	2.1E-08
4859	490863.09	3861877.25	0.03014	0.02977	0.02737	0.03429	5.49E-05	2.5E-06	0.00015	3.7E-08	0.0002	6.73E-05	3.10433E-06	0.000178	2.05E-08	2.48E-04	5.94E-05	2.39E-06	0.000383	2.11E-08
4860	491363.09	3861877.25	0.0305	0.03051	0.02766	0.03468	5.56E-05	2.6E-06	0.00015	3.7E-08	0.00021	6.81E-05	3.1815E-06	0.00018	2.07E-08	2.51E-04	6.01E-05	2.45E-06	0.000387	2.14E-08
4861	491863.09	3861877.25	0.03105	0.03152	0.02859	0.03635	5.66E-05	2.7E-06	0.00015	3.9E-08	0.00021	6.94E-05	3.28682E-06	0.000186	2.17E-08	2.58E-04	6.12E-05	2.53E-06	0.0004	2.24E-08
4862	492363.09	3861877.25	0.03014	0.03092	0.02802	0.03588	5.49E-05	2.6E-06	0.00015	3.8E-08	0.00021	6.73E-05	3.22425E-06	0.000182	2.14E-08	2.53E-04	5.94E-05	2.48E-06	0.000392	2.21E-08
4863	492863.09	3861877.25	0.02875	0.02942	0.02654	0.03358	5.24E-05	2.5E-06	0.00014	3.6E-08	0.0002	6.42E-05	3.06783E-06	0.000172	2E-08	2.40E-04	5.66E-05	2.36E-06	0.000371	2.07E-08
4864	493363.09	3861877.25	0.02781	0.0284	0.02543	0.03222	5.07E-05	2.4E-06	0.00014	3.4E-08	0.00019	6.21E-05	2.96147E-06	0.000165	1.92E-08	2.30E-04	5.48E-05	2.28E-06	0.000356	1.99E-08
4865	493863.09	3861877.25	0.02753	0.02816	0.02502	0.03201	5.02E-05	2.4E-06	0.00013	3.4E-08	0.00019	6.15E-05	2.93645E-06	0.000163	1.91E-08	2.27E-04	5.42E-05	2.26E-06	0.00035	1.97E-08
4866	494363.09	3861877.25	0.02772	0.02849	0.02493	0.03238	5.05E-05	2.4E-06	0.00013	3.5E-08	0.00019	6.19E-05	2.97086E-06	0.000162	1.93E-08	2.27E-04	5.46E-05	2.29E-06	0.000349	2E-08
4867	494863.09	3861877.25	0.02828	0.02951	0.02531	0.03353	5.15E-05	2.5E-06	0.00013	3.6E-08	0.00019	6.32E-05	3.07722E-06	0.000164	2E-08	2.31E-04	5.57E-05	2.37E-06	0.000354	2.07E-08
4868	495363.09	3861877.25	0.02871	0.03049	0.02603	0.0348	5.23E-05	2.6E-06	0.00014	3.7E-08	0.00019	6.41E-05	3.17941E-06	0.000169	2.08E-08	2.36E-04	5.65E-05	2.45E-06	0.000364	2.15E-08
4869	495863.09	3861877.25	0.02897	0.03105	0.02679	0.03559	5.28E-05	2.6E-06	0.00014	3.8E-08	0.0002	6.47E-05	3.23781E-06	0.000174	2.12E-08	2.42E-04	5.71E-05	2.49E-06	0.000375	2.19E-08
4870	496363.09	3861877.25	0.02911	0.03124	0.0273	0.03579	5.31E-05	2.7E-06	0.00015	3.8E-08	0.0002	6.50E-05	3.25762E-06	0.000177	2.14E-08	2.46E-04	5.73E-05	2.51E-06	0.000382	2.21E-08
4871	496863.09	3861877.25	0.03066	0.03315	0.02895	0.03626	5.59E-05	2.8E-06	0.00015	3.9E-08	0.00021	6.85E-05	3.45679E-06	0.000188	2.16E-08	2.60E-04	6.04E-05	2.66E-06	0.000405	2.24E-08
4872	497363.09	3861877.25	0.02917	0.03141	0.02745	0.0351	5.32E-05	2.7E-06	0.00015	3.7E-08	0.0002	6.52E-05	3.27535E-06	0.000178	2.09E-08	2.47E-04	5.74E-05	2.52E-06	0.000384	2.16E-08
4873	497863.09	3861877.25	0.02827	0.0305	0.02653	0.03396	5.15E-05	2.6E-06	0.00014	3.6E-08	0.0002	6.31E-05	3.18045E-06	0.000172	2.03E-08	2.39E-04	5.57E-05	2.45E-06	0.000371	2.09E-08
4874	498363.09	3861877.25	0.02757	0.02984	0.02584	0.03303	5.03E-05	2.5E-06	0.00014	3.5E-08	0.00019	6.16E-05	3.11163E-06	0.000168	1.97E-08	2.33E-04	5.43E-05	2.39E-06	0.000361	2.04E-08
4875	471363.09	3862377.25	0.00968	0.00946	0.00997	0.00937	1.76E-05	8E-07	5.3E-05	1E-08	7.1E-05	2.16E-05	9.86462E-07	6.48E-05	5.59E-09	8.74E-05	1.91E-05	7.59E-07	0.000139	5.78E-09
4876	471863.09	3862377.25	0.01004	0.0095	0.01034	0.00985	1.83E-05	8.1E-07	5.5E-05	1.1E-08	7.4E-05	2.24E-05	9.90633E-07	6.72E-05	5.88E-09	9.06E-05	1.98E-05	7.62E-07	0.000145	6.07E-09

4877	472363.09	3862377.25	0.01041	0.00965	0.01067	0.01034	1.90E-05	8.2E-07	5.7E-05	1.1E-08	7.6E-05	2.33E-05	1.00627E-06	6.93E-05	6.17E-09	9.36E-05	2.05E-05	7.74E-07	0.000149	6.38E-09
4878	472863.09	3862377.25	0.0108	0.00997	0.011	0.01074	1.97E-05	8.5E-07	5.8E-05	1.1E-08	7.9E-05	2.41E-05	1.03964E-06	7.14E-05	6.41E-09	9.66E-05	2.13E-05	8E-07	0.000154	6.62E-09
4879	473363.09	3862377.25	0.01121	0.01045	0.01135	0.01111	2.04E-05	8.9E-07	6E-05	1.2E-08	8.2E-05	2.50E-05	1.0897E-06	7.37E-05	6.63E-09	9.99E-05	2.21E-05	8.38E-07	0.000159	6.85E-09
4880	473863.09	3862377.25	0.01166	0.01099	0.01175	0.01146	2.13E-05	9.4E-07	6.2E-05	1.2E-08	8.5E-05	2.60E-05	1.14601E-06	7.63E-05	6.84E-09	1.04E-04	2.3E-05	8.82E-07	0.000164	7.07E-09
4881	474363.09	3862377.25	0.01214	0.01155	0.01221	0.01179	2.21E-05	9.8E-07	6.5E-05	1.3E-08	8.8E-05	2.71E-05	1.2044E-06	7.93E-05	7.04E-09	1.08E-04	2.39E-05	9.27E-07	0.000171	7.27E-09
4882	474863.09	3862377.25	0.01262	0.01214	0.01271	0.01208	2.30E-05	1E-06	6.8E-05	1.3E-08	9.2E-05	2.82E-05	1.26592E-06	8.26E-05	7.21E-09	1.12E-04	2.49E-05	9.74E-07	0.000178	7.45E-09
4883	475363.09	3862377.25	0.01315	0.01276	0.01319	0.0127	2.40E-05	1.1E-06	7E-05	1.4E-08	9.5E-05	2.94E-05	1.33058E-06	8.57E-05	7.58E-09	1.16E-04	2.59E-05	1.02E-06	0.000185	7.83E-09
4884	475863.09	3862377.25	0.01367	0.01346	0.01366	0.01326	2.49E-05	1.1E-06	7.3E-05	1.4E-08	9.9E-05	3.05E-05	1.40357E-06	8.87E-05	7.91E-09	1.21E-04	2.69E-05	1.08E-06	0.000191	8.18E-09
4885	476363.09	3862377.25	0.01419	0.01433	0.01409	0.01371	2.59E-05	1.2E-06	7.5E-05	1.5E-08	0.0001	3.17E-05	1.49429E-06	9.15E-05	8.18E-09	1.25E-04	2.79E-05	1.15E-06	0.000197	8.45E-09
4886	476863.09	3862377.25	0.01472	0.0154	0.01446	0.01407	2.68E-05	1.3E-06	7.7E-05	1.5E-08	0.0001	3.29E-05	1.60587E-06	9.39E-05	8.4E-09	1.28E-04	2.9E-05	1.24E-06	0.000202	8.68E-09
4887	477363.09	3862377.25	0.0153	0.01666	0.01486	0.01401	2.79E-05	1.4E-06	7.9E-05	1.5E-08	0.00011	3.42E-05	1.73726E-06	9.65E-05	8.36E-09	1.32E-04	3.01E-05	1.34E-06	0.000208	8.64E-09
4888	477863.09	3862377.25	0.01471	0.01642	0.01451	0.01132	2.68E-05	1.4E-06	7.7E-05	1.2E-08	0.00011	3.29E-05	1.71223E-06	9.42E-05	6.76E-09	1.29E-04	2.9E-05	1.32E-06	0.000203	6.98E-09
4889	478363.09	3862377.25	0.01323	0.01402	0.0135	0.00857	2.41E-05	1.2E-06	7.2E-05	9.1E-09	9.7E-05	2.96E-05	1.46197E-06	8.77E-05	5.11E-09	1.19E-04	2.61E-05	1.12E-06	0.000189	5.28E-09
4890	478863.09	3862377.25	0.01403	0.01365	0.01447	0.00919	2.56E-05	1.2E-06	7.7E-05	9.8E-09	0.0001	3.13E-05	1.42338E-06	9.4E-05	5.48E-09	1.27E-04	2.76E-05	1.09E-06	0.000202	5.67E-09
4891	479363.09	3862377.25	0.01612	0.01518	0.0165	0.0115	2.94E-05	1.3E-06	8.8E-05	1.2E-08	0.00012	3.60E-05	1.58293E-06	0.000107	6.86E-09	1.45E-04	3.17E-05	1.22E-06	0.000231	7.09E-09
4892	479863.09	3862377.25	0.01939	0.01869	0.0192	0.01723	3.53E-05	1.6E-06	0.0001	1.8E-08	0.00014	4.33E-05	1.94894E-06	0.000125	1.03E-08	1.70E-04	3.82E-05	1.5E-06	0.000269	1.06E-08
4893	480363.09	3862377.25	0.02057	0.01986	0.02025	0.01926	3.75E-05	1.7E-06	0.00011	2.1E-08	0.00015	4.59E-05	2.07094E-06	0.000132	1.15E-08	1.80E-04	4.05E-05	1.59E-06	0.000283	1.19E-08
4894	480863.09	3862377.25	0.02152	0.02031	0.02131	0.02066	3.92E-05	1.7E-06	0.00011	2.2E-08	0.00015	4.81E-05	2.11787E-06	0.000138	1.23E-08	1.89E-04	4.24E-05	1.63E-06	0.000298	1.27E-08
4895	481363.09	3862377.25	0.02245	0.01999	0.0224	0.0222	4.09E-05	1.7E-06	0.00012	2.4E-08	0.00016	5.01E-05	2.0845E-06	0.000145	1.32E-08	1.98E-04	4.42E-05	1.6E-06	0.000313	1.37E-08
4896	481863.09	3862377.25	0.02334	0.02041	0.02328	0.02356	4.25E-05	1.7E-06	0.00012	2.5E-08	0.00017	5.21E-05	2.1283E-06	0.000151	1.41E-08	2.05E-04	4.6E-05	1.64E-06	0.000326	1.45E-08
4897	482363.09	3862377.25	0.02433	0.02254	0.02429	0.02456	4.43E-05	1.9E-06	0.00013	2.6E-08	0.00018	5.43E-05	2.35041E-06	0.000158	1.47E-08	2.14E-04	4.79E-05	1.81E-06	0.00034	1.51E-08
4898	482863.09	3862377.25	0.02528	0.02416	0.02529	0.02575	4.61E-05	2.1E-06	0.00013	2.7E-08	0.00018	5.65E-05	2.51934E-06	0.000164	1.54E-08	2.23E-04	4.98E-05	1.94E-06	0.000354	1.59E-08
4899	483363.09	3862377.25	0.02616	0.02467	0.02603	0.02715	4.77E-05	2.1E-06	0.00014	2.9E-08	0.00019	5.84E-05	2.57252E-06	0.000169	1.62E-08	2.30E-04	5.15E-05	1.98E-06	0.000364	1.67E-08
4900	483863.09	3862377.25	0.02659	0.02557	0.0262	0.02832	4.85E-05	2.2E-06	0.00014	3E-08	0.00019	5.94E-05	2.66637E-06	0.00017	1.69E-08	2.32E-04	5.24E-05	2.05E-06	0.000367	1.75E-08
4901	484363.09	3862377.25	0.02719	0.02675	0.02652	0.02919	4.96E-05	2.3E-06	0.00014	3.1E-08	0.00019	6.07E-05	2.78941E-06	0.000172	1.74E-08	2.36E-04	5.35E-05	2.15E-06	0.000371	1.8E-08
4902	484863.09	3862377.25	0.02708	0.02523	0.02603	0.02957	4.94E-05	2.1E-06	0.00014	3.2E-08	0.00019	6.05E-05	2.63091E-06	0.000169	1.76E-08	2.32E-04	5.33E-05	2.02E-06	0.000364	1.82E-08
4903	485363.09	3862377.25	0.0269	0.02404	0.02544	0.02932	4.90E-05	2E-06	0.00014	3.1E-08	0.00019	6.01E-05	2.50682E-06	0.000165	1.75E-08	2.28E-04	5.3E-05	1.93E-06	0.000356	1.81E-08
4904	485863.09	3862377.25	0.02689	0.0262	0.02483	0.02859	4.90E-05	2.2E-06	0.00013	3E-08	0.00018	6.01E-05	2.73206E-06	0.000161	1.71E-08	2.24E-04	5.3E-05	2.1E-06	0.000347	1.76E-08
4905	486363.09	3862377.25	0.02674	0.02583	0.02447	0.02809	4.87E-05	2.2E-06	0.00013	3E-08	0.00018	5.97E-05	2.69348E-06	0.000159	1.68E-08	2.21E-04	5.27E-05	2.07E-06	0.000342	1.73E-08
4906	486863.09	3862377.25	0.0265	0.02512	0.02421	0.02813	4.83E-05	2.1E-06	0.00013	3E-08	0.00018	5.92E-05	2.61944E-06	0.000157	1.68E-08	2.19E-04	5.22E-05	2.02E-06	0.000339	1.73E-08
4907	487363.09	3862377.25	0.02627	0.02322	0.02415	0.02776	4.79E-05	2E-06	0.00013	3E-08	0.00018	5.87E-05	2.42132E-06	0.000157	1.66E-08	2.18E-04	5.17E-05	1.86E-06	0.000338	1.71E-08
4908	487863.09	3862377.25	0.02607	0.02245	0.0241	0.02743	4.75E-05	1.9E-06	0.00013	2.9E-08	0.00018	5.82E-05	2.34102E-06	0.000157	1.64E-08	2.17E-04	5.13E-05	1.8E-06	0.000337	1.69E-08
4909	488363.09	3862377.25	0.02579	0.0244	0.02364	0.02723	4.70E-05	2.1E-06	0.00013	2.9E-08	0.00017	5.76E-05	2.54436E-06	0.000154	1.63E-08	2.14E-04	5.08E-05	1.96E-06	0.000331	1.68E-08
4910	488863.09	3862377.25	0.0256	0.02519	0.02336	0.02778	4.67E-05	2.1E-06	0.00012	3E-08	0.00017	5.72E-05	2.62674E-06	0.000152	1.66E-08	2.12E-04	5.04E-05	2.02E-06	0.000327	1.71E-08
4911	489363.09	3862377.25	0.02556	0.0241	0.02346	0.02796	4.66E-05	2.1E-06	0.00012	3E-08	0.00017	5.71E-05	2.51308E-06	0.000152	1.67E-08	2.12E-04	5.03E-05	1.93E-06	0.000328	1.72E-08
4912	489863.09	3862377.25	0.02573	0.02448	0.02374	0.02816	4.69E-05	2.1E-06	0.00013	3E-08	0.00018	5.75E-05	2.55271E-06	0.000154	1.68E-08	2.14E-04	5.07E-05	1.96E-06	0.000332	1.74E-08
4913	490363.09	3862377.25	0.026	0.02561	0.02402	0.02897	4.74E-05	2.2E-06	0.00013	3.1E-08	0.00018	5.81E-05	2.67054E-06	0.000156	1.73E-08	2.17E-04	5.12E-05	2.05E-06	0.000336	1.79E-08
4914	490863.09	3862377.25	0.02616	0.02564	0.02423	0.02934	4.77E-05	2.2E-06	0.00013	3.1E-08	0.00018	5.84E-05	2.67367E-06	0.000157	1.75E-08	2.19E-04	5.15E-05	2.06E-06	0.000339	1.81E-08
4915	491363.09	3862377.25	0.02617	0.02597	0.02404	0.02947	4.77E-05	2.2E-06	0.00013	3.1E-08	0.00018	5.85E-05	2.70808E-06	0.000156	1.76E-08	2.17E-04	5.15E-05	2.08E-06	0.000336	1.82E-08
4916	491863.09	3862377.25	0.02619	0.02627	0.02405	0.02951	4.77E-05	2.2E-06	0.00013	3.1E-08	0.00018	5.85E-05	2.73936E-06	0.000156	1.76E-08	2.17E-04	5.16E-05	2.11E-06	0.000336	1.82E-08
4917	492363.09	3862377.25	0.02664	0.02711	0.02483	0.03094	4.86E-05	2.3E-06	0.00013	3.3E-08	0.00018	5.95E-05	2.82695E-06	0.000161	1.85E-08	2.24E-04	5.25E-05	2.17E-06	0.000347	1.91E-08
4918	492863.09	3862377.25	0.02625	0.027	0.0247	0.03101	4.78E-05	2.3E-06	0.00013	3.3E-08	0.00018	5.86E-05	2.81548E-06	0.00016	1.85E-08	2.22E-04	5.17E-05	2.17E-06	0.000346	1.91E-08
4919	493363.09	3862377.25	0.0251	0.02578	0.02351	0.02918	4.58E-05	2.2E-06	0.00012	3.1E-08	0.00017	5.61E-05	2.68827E-06	0.000153	1.74E-08	2.11E-04	4.94E-05	2.07E-06	0.000329	1.8E-08
4920	493863.09	3862377.25	0.02412	0.02469	0.02238	0.02771	4.40E-05	2.1E-06	0.00012	3E-08	0.00017	5.39E-05	2.5746E-06	0.000145	1.65E-08	2.02E-04	4.75E-05	1.98E-06	0.000313	1.71E-08
4921	494363.09	3862377.25	0.02365	0.02428	0.02187	0.02731	4.31E-05	2.1E-06	0.00012	2.9E-08	0.00016	5.28E-05	2.53185E-06	0.000142	1.63E-08	1.97E-04	4.66E-05	1.95E-06	0.000306	1.68E-08
4922	494863.09	3862377.25	0.02367	0.02437	0.02175	0.02743	4.31E-05	2.1E-06	0.00012	2.9E-08	0.00016	5.29E-05	2.54123E-06	0.000141	1.64E-08	1.97E-04	4.66E-05	1.95E-06	0.000304	1.69E-08
4923	495363.09	3862377.25	0.02377	0.02465	0.02162	0.02775	4.33E-05	2.1E-06	0.00011	3E-08	0.00016	5.31E-05	2.57043E-06	0.00014	1.66E-08	1.96E-04	4.68E-05	1.98E-06	0.000302	1.71E-08
4924	495863.09	3862377.25	0.02411	0.02538	0.02193	0.02864	4.39E-05	2.2E-06	0.00012	3.1E-08	0.00016	5.39E-05	2.64655E-06	0.000142	1.71E-08	1.99E-04	4.75E-05	2.04E-06	0.000307	1.77E-08
4925	496363.09	3862377.25	0.02441	0.02607	0.02251	0.02958	4.45E-05	2.2E-06	0.00012	3.2E-08	0.00017	5.45E-05	2.71851E-06	0.000146	1.77E-08	2.03E-04	4.81E-05	2.09E-06	0.000315	1.82E-08
4926	496863.09	3862377.25	0.02489	0.02678	0.02334	0.03047	4.54E-05	2.3E-06	0.00012	3.3E-08	0.00017	5.56E-05	2.79254E-06	0.000152	1.82E-08	2.10E-04	4.9E-05	2.15E-06	0.000327	1.88E-08
4927	497363.09	3862377.25	0.02474	0.02665	0.02347	0.03033	4.51E-05	2.3E-06	0.00012	3.2E-08	0.00017	5.53E-05	2.77899E-06	0.000152	1.81E-08	2.11E-04	4.87E-05	2.14E-06	0.000328	1.87E-08
4928	497863.09	3862377.25	0.0245	0.02638	0.02332	0.02987	4.47E-05	2.2E-06	0.00012	3.2E-08	0.00017	5.47E-05	2.75083E-06	0.000151	1.78E-08	2.09E-04	4.83E-05	2.12E-06	0.000326	1.84E-08
4929	498363.09	3862377.25	0.024	0.02585	0.02279	0.02907	4.37E-05	2.2E-06	0.00012	3.1E-08	0.00017	5.36E-05	2.69556E-06	0.000148	1.74E-08	2.04E-04	4.73E-05	2.07E-06	0.000319	1.79E-08
4930	471363.09	3862877.25	0.00932	0.00867	0.00954	0.00934	1.70E-05	7.4E-07	5.1E-05	1E-08	6.8E-05	2.08E-05	9.04083E-07	6.2E-05	5.57E-09	8.37E-05	1.84E-05	6.95E-07	0.000133	5.76E-09
4931	471863.09	3862877.25	0.00964	0.00885	0.0098	0.00968	1.76E-05	7.5E-07	5.2E-05	1E-08	7E-05	2.15E-05	9.22853E-07	6.37E-05	5.78E-09	8.61E-05	1.9E-05	7.1E-07	0.000137	5.97E-09
4932	472363.09	3862877.25	0.00997	0.00916	0.01008	0.01	1.82E-05	7.8E-07	5.4E-05	1.1E-08	7.3E-05	2.23E-05	9.55179E-07	6.55E-05	5.97E-09	8.87E-05	1.96E-05	7.35E-07	0.000141	6.17E-09
4933	472863.09	3862877.25	0.01033	0.00959	0.01039	0.01026	1.88E-05	8.2E-07	5.5E-05	1.1E-08	7.5E-05	2.31E-05	1.00002E-06	6.75E-05	6.12E-09	9.16E-05	2.03E-05	7.69E-07	0.000145	6.33E-09
4934	473363.09	3862877.25	0.0107	0.01006	0.01074	0.01055	1.95E-05	8.6E-07	5.7E-05	1.1E-08	7.7E-05	2.39E-05	1.04903E-06	6.98E-05	6.3E-09	9.47E-05	2.11E-05	8.07E-07	0.00015	6.5E-09
4935	473863.09	3862877.25	0.0111	0.01058	0.01112	0.01085	2.02E-05	9E-07	5.9E-05	1.2E-08	8E-05	2.48E-05	1.10325E-06	7.22E-05	6.48E-09	9.81E-05	2.19E-05	8.49E-07	0.000156	6.69E-09
4936	474363.09	3862877.25	0.01151	0.01118	0.01153	0.01118	2.10E-05	9.5E-07	6.1E-05	1.2E-08	8.3E-05	2.57E-05	1.16582E-06	7.49E-05	6.67E-09	1.02E-04	2.27E-05	8.97E-07	0.000161	6.89E-09
4937	474863.09	3862877.25	0.01194	0.01187	0.01192	0.01157	2.18E-05	1E-06	6.3E-05	1.2E-08	8.6E-05	2.67E-05	1.23777E-06	7.74E-05	6.91E-09	1.05E-04	2.35E-05	9.52E-07	0.000167	7.13E-09

4938	475363.09	3862877.25	0.01234	0.01256	0.01225	0.01205	2.25E-05	1.1E-06	6.5E-05	1.3E-08	8.9E-05	2.76E-05	1.30972E-06	7.96E-05	7.19E-09	1.08E-04	2.43E-05	1.01E-06	0.000171	7.43E-09
4939	475863.09	3862877.25	0.01277	0.01324	0.01253	0.0125	2.33E-05	1.1E-06	6.7E-05	1.3E-08	9.1E-05	2.85E-05	1.38063E-06	8.14E-05	7.46E-09	1.11E-04	2.52E-05	1.06E-06	0.000175	7.71E-09
4940	476363.09	3862877.25	0.01323	0.01386	0.01282	0.01292	2.41E-05	1.2E-06	6.8E-05	1.4E-08	9.3E-05	2.96E-05	1.44528E-06	8.33E-05	7.71E-09	1.14E-04	2.61E-05	1.11E-06	0.000179	7.97E-09
4941	476863.09	3862877.25	0.01378	0.01437	0.0132	0.01325	2.51E-05	1.2E-06	7E-05	1.4E-08	9.6E-05	3.08E-05	1.49846E-06	8.57E-05	7.91E-09	1.18E-04	2.71E-05	1.15E-06	0.000185	8.17E-09
4942	477363.09	3862877.25	0.01441	0.01466	0.01375	0.01351	2.63E-05	1.2E-06	7.3E-05	1.4E-08	0.0001	3.22E-05	1.5287E-06	8.93E-05	8.06E-09	1.23E-04	2.84E-05	1.18E-06	0.000192	8.33E-09
4943	477863.09	3862877.25	0.01466	0.01444	0.01422	0.01288	2.67E-05	1.2E-06	7.6E-05	1.4E-08	0.0001	3.27E-05	1.50576E-06	9.24E-05	7.69E-09	1.27E-04	2.89E-05	1.16E-06	0.000199	7.94E-09
4944	478363.09	3862877.25	0.01394	0.0133	0.01413	0.01032	2.54E-05	1.1E-06	7.5E-05	1.1E-08	0.0001	3.11E-05	1.38689E-06	9.18E-05	6.16E-09	1.24E-04	2.75E-05	1.07E-06	0.000198	6.36E-09
4945	478863.09	3862877.25	0.01466	0.01371	0.01493	0.01081	2.67E-05	1.2E-06	7.9E-05	1.2E-08	0.00011	3.27E-05	1.42964E-06	9.7E-05	6.45E-09	1.31E-04	2.89E-05	1.1E-06	0.000209	6.67E-09
4946	479363.09	3862877.25	0.01562	0.01562	0.01584	0.01164	2.85E-05	1.3E-06	8.4E-05	1.2E-08	0.00011	3.49E-05	1.62881E-06	0.000103	6.95E-09	1.39E-04	3.08E-05	1.25E-06	0.000222	7.18E-09
4947	479863.09	3862877.25	0.01813	0.01761	0.01782	0.01661	3.30E-05	1.5E-06	9.5E-05	1.8E-08	0.00013	4.05E-05	1.83632E-06	0.000116	9.91E-09	1.58E-04	3.57E-05	1.41E-06	0.000249	1.02E-08
4948	480363.09	3862877.25	0.01887	0.01808	0.01864	0.01796	3.44E-05	1.5E-06	9.9E-05	1.9E-08	0.00013	4.22E-05	1.88533E-06	0.000121	1.07E-08	1.65E-04	3.72E-05	1.45E-06	0.000261	1.11E-08
4949	480863.09	3862877.25	0.01967	0.01789	0.01963	0.01923	3.59E-05	1.5E-06	0.0001	2.1E-08	0.00014	4.39E-05	1.86552E-06	0.000128	1.15E-08	1.73E-04	3.87E-05	1.44E-06	0.000275	1.19E-08
4950	481363.09	3862877.25	0.02029	0.01756	0.02036	0.02045	3.70E-05	1.5E-06	0.00011	2.2E-08	0.00015	4.53E-05	1.83111E-06	0.000132	1.22E-08	1.79E-04	4E-05	1.41E-06	0.000285	1.26E-08
4951	481863.09	3862877.25	0.02126	0.01919	0.0213	0.02129	3.88E-05	1.6E-06	0.00011	2.3E-08	0.00015	4.75E-05	2.00108E-06	0.000138	1.27E-08	1.88E-04	4.19E-05	1.54E-06	0.000298	1.31E-08
4952	482363.09	3862877.25	0.02185	0.02102	0.02177	0.02212	3.98E-05	1.8E-06	0.00012	2.4E-08	0.00016	4.88E-05	2.19191E-06	0.000141	1.32E-08	1.92E-04	4.3E-05	1.69E-06	0.000305	1.36E-08
4953	482863.09	3862877.25	0.02269	0.02155	0.02259	0.02322	4.14E-05	1.8E-06	0.00012	2.5E-08	0.00016	5.07E-05	2.24717E-06	0.000147	1.39E-08	2.00E-04	4.47E-05	1.73E-06	0.000316	1.43E-08
4954	483363.09	3862877.25	0.02329	0.02192	0.02303	0.02438	4.25E-05	1.9E-06	0.00012	2.6E-08	0.00017	5.20E-05	2.28576E-06	0.00015	1.46E-08	2.04E-04	4.59E-05	1.76E-06	0.000322	1.5E-08
4955	483863.09	3862877.25	0.02364	0.02318	0.02316	0.02509	4.31E-05	2E-06	0.00012	2.7E-08	0.00017	5.28E-05	2.41714E-06	0.00015	1.5E-08	2.06E-04	4.66E-05	1.86E-06	0.000324	1.55E-08
4956	484363.09	3862877.25	0.02397	0.02336	0.0233	0.02557	4.37E-05	2E-06	0.00012	2.7E-08	0.00017	5.35E-05	2.43591E-06	0.000151	1.53E-08	2.07E-04	4.72E-05	1.87E-06	0.000326	1.58E-08
4957	484863.09	3862877.25	0.02378	0.02126	0.02291	0.02578	4.33E-05	1.8E-06	0.00012	2.8E-08	0.00017	5.31E-05	2.21693E-06	0.000149	1.54E-08	2.04E-04	4.68E-05	1.71E-06	0.00032	1.59E-08
4958	485363.09	3862877.25	0.0237	0.02123	0.02247	0.02537	4.32E-05	1.8E-06	0.00012	2.7E-08	0.00016	5.29E-05	2.2138E-06	0.000146	1.51E-08	2.01E-04	4.67E-05	1.7E-06	0.000314	1.56E-08
4959	485863.09	3862877.25	0.02351	0.02276	0.0218	0.02459	4.29E-05	1.9E-06	0.00012	2.6E-08	0.00016	5.25E-05	2.37335E-06	0.000142	1.47E-08	1.97E-04	4.63E-05	1.83E-06	0.000305	1.52E-08
4960	486363.09	3862877.25	0.02353	0.02249	0.02168	0.0244	4.29E-05	1.9E-06	0.00012	2.6E-08	0.00016	5.26E-05	2.34519E-06	0.000141	1.46E-08	1.96E-04	4.63E-05	1.8E-06	0.000303	1.5E-08
4961	486863.09	3862877.25	0.02314	0.02207	0.0213	0.02411	4.22E-05	1.9E-06	0.00011	2.6E-08	0.00016	5.17E-05	2.3014E-06	0.000138	1.44E-08	1.92E-04	4.56E-05	1.77E-06	0.000298	1.49E-08
4962	487363.09	3862877.25	0.02299	0.02047	0.02133	0.02394	4.19E-05	1.7E-06	0.00011	2.6E-08	0.00016	5.14E-05	2.13455E-06	0.000139	1.43E-08	1.92E-04	4.53E-05	1.64E-06	0.000298	1.48E-08
4963	487863.09	3862877.25	0.02282	0.01951	0.02137	0.02374	4.16E-05	1.7E-06	0.00011	2.5E-08	0.00016	5.10E-05	2.03445E-06	0.000139	1.42E-08	1.92E-04	4.49E-05	1.57E-06	0.000299	1.46E-08
4964	488363.09	3862877.25	0.02267	0.02083	0.02112	0.02365	4.13E-05	1.8E-06	0.00011	2.5E-08	0.00016	5.06E-05	2.17209E-06	0.000137	1.41E-08	1.90E-04	4.46E-05	1.67E-06	0.000295	1.46E-08
4965	488863.09	3862877.25	0.02244	0.0221	0.02068	0.02394	4.09E-05	1.9E-06	0.00011	2.6E-08	0.00015	5.01E-05	2.30453E-06	0.000134	1.43E-08	1.87E-04	4.42E-05	1.77E-06	0.000289	1.48E-08
4966	489363.09	3862877.25	0.0223	0.02145	0.02059	0.02407	4.06E-05	1.8E-06	0.00011	2.6E-08	0.00015	4.98E-05	2.23675E-06	0.000134	1.44E-08	1.86E-04	4.39E-05	1.72E-06	0.000288	1.48E-08
4967	489863.09	3862877.25	0.02238	0.02096	0.02083	0.02417	4.08E-05	1.8E-06	0.00011	2.6E-08	0.00015	5.00E-05	2.18565E-06	0.000135	1.44E-08	1.87E-04	4.41E-05	1.68E-06	0.000291	1.49E-08
4968	490363.09	3862877.25	0.02253	0.0219	0.021	0.02465	4.11E-05	1.9E-06	0.00011	2.6E-08	0.00015	5.03E-05	2.28367E-06	0.000136	1.47E-08	1.89E-04	4.44E-05	1.76E-06	0.000294	1.52E-08
4969	490863.09	3862877.25	0.02274	0.02239	0.02122	0.02519	4.15E-05	1.9E-06	0.00011	2.7E-08	0.00016	5.08E-05	2.33477E-06	0.000138	1.5E-08	1.91E-04	4.48E-05	1.8E-06	0.000297	1.55E-08
4970	491363.09	3862877.25	0.02309	0.02268	0.0216	0.02561	4.21E-05	1.9E-06	0.00011	2.7E-08	0.00016	5.16E-05	2.36501E-06	0.00014	1.53E-08	1.94E-04	4.55E-05	1.82E-06	0.000302	1.58E-08
4971	491863.09	3862877.25	0.02278	0.02267	0.02111	0.02546	4.15E-05	1.9E-06	0.00011	2.7E-08	0.00016	5.09E-05	2.36396E-06	0.000137	1.52E-08	1.90E-04	4.49E-05	1.82E-06	0.000295	1.57E-08
4972	492363.09	3862877.25	0.02294	0.02306	0.02126	0.0256	4.18E-05	2E-06	0.00011	2.7E-08	0.00016	5.12E-05	2.40463E-06	0.000138	1.53E-08	1.92E-04	4.52E-05	1.85E-06	0.000297	1.58E-08
4973	492863.09	3862877.25	0.02328	0.02373	0.02189	0.0268	4.24E-05	2E-06	0.00012	2.9E-08	0.00016	5.20E-05	2.4745E-06	0.000142	1.6E-08	1.97E-04	4.58E-05	1.9E-06	0.000306	1.65E-08
4974	493363.09	3862877.25	0.02312	0.02382	0.02194	0.02709	4.21E-05	2E-06	0.00012	2.9E-08	0.00016	5.16E-05	2.48388E-06	0.000143	1.62E-08	1.97E-04	4.55E-05	1.91E-06	0.000307	1.67E-08
4975	493863.09	3862877.25	0.02231	0.02297	0.02112	0.02577	4.07E-05	2E-06	0.00011	2.7E-08	0.00015	4.98E-05	2.39525E-06	0.000137	1.54E-08	1.89E-04	4.39E-05	1.84E-06	0.000295	1.59E-08
4976	494363.09	3862877.25	0.02138	0.02192	0.02005	0.02433	3.90E-05	1.9E-06	0.00011	2.6E-08	0.00015	4.78E-05	2.28576E-06	0.00013	1.45E-08	1.80E-04	4.21E-05	1.76E-06	0.00028	1.5E-08
4977	494863.09	3862877.25	0.02068	0.02124	0.01933	0.02366	3.77E-05	1.8E-06	0.0001	2.5E-08	0.00014	4.62E-05	2.21485E-06	0.000126	1.41E-08	1.74E-04	4.07E-05	1.7E-06	0.00027	1.46E-08
4978	495363.09	3862877.25	0.02046	0.02111	0.0191	0.0236	3.73E-05	1.8E-06	0.0001	2.5E-08	0.00014	4.57E-05	2.20129E-06	0.000124	1.41E-08	1.72E-04	4.03E-05	1.69E-06	0.000267	1.46E-08
4979	495863.09	3862877.25	0.02055	0.02128	0.01903	0.02376	3.75E-05	1.8E-06	0.0001	2.5E-08	0.00014	4.59E-05	2.21902E-06	0.000124	1.42E-08	1.72E-04	4.05E-05	1.71E-06	0.000266	1.46E-08
4980	496363.09	3862877.25	0.02079	0.02173	0.01909	0.02424	3.79E-05	1.8E-06	0.0001	2.6E-08	0.00014	4.64E-05	2.26594E-06	0.000124	1.45E-08	1.73E-04	4.09E-05	1.74E-06	0.000267	1.49E-08
4981	496863.09	3862877.25	0.02109	0.02235	0.01942	0.02504	3.84E-05	1.9E-06	0.0001	2.7E-08	0.00014	4.71E-05	2.33059E-06	0.000126	1.49E-08	1.76E-04	4.15E-05	1.79E-06	0.000272	1.54E-08
4982	497363.09	3862877.25	0.02128	0.02282	0.01987	0.02574	3.88E-05	1.9E-06	0.00011	2.7E-08	0.00015	4.75E-05	2.37961E-06	0.000129	1.54E-08	1.79E-04	4.19E-05	1.83E-06	0.000278	1.59E-08
4983	497863.09	3862877.25	0.0214	0.02309	0.02029	0.02615	3.90E-05	2E-06	0.00011	2.8E-08	0.00015	4.78E-05	2.40776E-06	0.000132	1.56E-08	1.82E-04	4.21E-05	1.85E-06	0.000284	1.61E-08
4984	498363.09	3862877.25	0.02146	0.02318	0.02052	0.02621	3.91E-05	2E-06	0.00011	2.8E-08	0.00015	4.79E-05	2.41714E-06	0.000133	1.56E-08	1.84E-04	4.23E-05	1.86E-06	0.000287	1.62E-08
4985	471363.09	3863377.25	0.00895	0.00813	0.00904	0.00901	1.63E-05	6.9E-07	4.8E-05	9.6E-09	6.5E-05	2.00E-05	8.47773E-07	5.87E-05	5.38E-09	7.96E-05	1.76E-05	6.52E-07	0.000126	5.56E-09
4986	471863.09	3863377.25	0.00924	0.00846	0.00929	0.00922	1.68E-05	7.2E-07	4.9E-05	9.8E-09	6.7E-05	2.06E-05	8.82185E-07	6.03E-05	5.5E-09	8.19E-05	1.82E-05	6.79E-07	0.00013	5.68E-09
4987	472363.09	3863377.25	0.00955	0.00888	0.00957	0.00942	1.74E-05	7.6E-07	5.1E-05	1E-08	6.9E-05	2.13E-05	9.25981E-07	6.22E-05	5.62E-09	8.44E-05	1.88E-05	7.12E-07	0.000134	5.81E-09
4988	472863.09	3863377.25	0.00985	0.00934	0.00986	0.00966	1.80E-05	7.9E-07	5.2E-05	1E-08	7.1E-05	2.20E-05	9.73949E-07	6.4E-05	5.77E-09	8.70E-05	1.94E-05	7.49E-07	0.000138	5.96E-09
4989	473363.09	3863377.25	0.01017	0.00985	0.01016	0.00996	1.85E-05	8.4E-07	5.4E-05	1.1E-08	7.3E-05	2.27E-05	1.02713E-06	6.6E-05	5.94E-09	8.97E-05	2E-05	7.9E-07	0.000142	6.14E-09
4990	473863.09	3863377.25	0.01051	0.01047	0.01047	0.01029	1.92E-05	8.9E-07	5.6E-05	1.1E-08	7.6E-05	2.35E-05	1.09178E-06	6.8E-05	6.14E-09	9.26E-05	2.07E-05	8.4E-07	0.000146	6.34E-09
4991	474363.09	3863377.25	0.01085	0.01113	0.01076	0.01064	1.98E-05	9.5E-07	5.7E-05	1.1E-08	7.8E-05	2.42E-05	1.1606E-06	6.99E-05	6.35E-09	9.53E-05	2.14E-05	8.93E-07	0.000151	6.56E-09
4992	474863.09	3863377.25	0.01116	0.01165	0.01097	0.01105	2.03E-05	9.9E-07	5.8E-05	1.2E-08	8E-05	2.49E-05	1.21483E-06	7.13E-05	6.6E-09	9.74E-05	2.2E-05	9.35E-07	0.000153	6.81E-09
4993	475363.09	3863377.25	0.01153	0.01204	0.01121	0.01141	2.10E-05	1E-06	6E-05	1.2E-08	8.2E-05	2.58E-05	1.2555E-06	7.28E-05	6.81E-09	9.98E-05	2.27E-05	9.66E-07	0.000157	7.04E-09
4994	475863.09	3863377.25	0.01192	0.01226	0.01147	0.01176	2.17E-05	1E-06	6.1E-05	1.3E-08	8.4E-05	2.66E-05	1.27844E-06	7.45E-05	7.02E-09	1.02E-04	2.35E-05	9.83E-07	0.00016	7.25E-09
4995	476363.09	3863377.25	0.01236	0.01237	0.01179	0.01212	2.25E-05	1.1E-06	6.3E-05	1.3E-08	8.6E-05	2.76E-05	1.28991E-06	7.66E-05	7.23E-09	1.05E-04	2.43E-05	9.92E-07	0.000165	7.47E-09
4996	476863.09	3863377.25	0.01287	0.01252	0.01226	0.01241	2.35E-05	1.1E-06	6.5E-05	1.3E-08	9E-05	2.87E-05	1.30555E-06	7.96E-05	7.41E-09	1.10E-04	2.53E-05	1E-06	0.000172	7.65E-09
4997	477363.09	3863377.25	0.01347	0.01278	0.01289	0.01263	2.46E-05	1.1E-06	6.8E-05	1.3E-08	9.4E-05	3.01E-05	1.33266E-06	8.37E-05	7.54E-09	1.15E-04	2.65E-05	1.03E-06	0.00018	7.79E-09
4998	477863.09	3863377.25	0.01403	0.01313	0.01363	0.01267	2.56E-05	1.1E-06	7.2E-05	1.4E-08	9.9E-05	3.13E-05	1.36916E-06	8.85E-05	7.56E-09	1.21E-04	2.76E-05	1.05E-06	0.000191	7.81E-09

4999	478363.09	3863377.25	0.01427	0.01328	0.01414	0.01202	2.60E-05	1.1E-06	7.5E-05	1.3E-08	0.0001	3.19E-05	1.3848E-06	9.18E-05	7.17E-09	1.25E-04	2.81E-05	1.07E-06	0.000198	7.41E-09
5000	478863.09	3863377.25	0.01511	0.01455	0.01491	0.01292	2.75E-05	1.2E-06	7.9E-05	1.4E-08	0.00011	3.38E-05	1.51723E-06	9.68E-05	7.71E-09	1.32E-04	2.98E-05	1.17E-06	0.000209	7.97E-09
5001	479363.09	3863377.25	0.01608	0.01567	0.01582	0.01444	2.93E-05	1.3E-06	8.4E-05	1.5E-08	0.00011	3.59E-05	1.63402E-06	0.000103	8.62E-09	1.40E-04	3.17E-05	1.26E-06	0.000221	8.9E-09
5002	479863.09	3863377.25	0.01663	0.01604	0.01641	0.01583	3.03E-05	1.4E-06	8.7E-05	1.7E-08	0.00012	3.71E-05	1.67261E-06	0.000107	9.45E-09	1.45E-04	3.28E-05	1.29E-06	0.00023	9.76E-09
5003	480363.09	3863377.25	0.01726	0.01601	0.01719	0.01687	3.15E-05	1.4E-06	9.1E-05	1.8E-08	0.00012	3.86E-05	1.66948E-06	0.000112	1.01E-08	1.52E-04	3.4E-05	1.28E-06	0.00024	1.04E-08
5004	480863.09	3863377.25	0.01793	0.01574	0.01803	0.01787	3.27E-05	1.3E-06	9.6E-05	1.9E-08	0.00013	4.01E-05	1.64132E-06	0.000117	1.07E-08	1.59E-04	3.53E-05	1.26E-06	0.000252	1.1E-08
5005	481363.09	3863377.25	0.01842	0.01617	0.0185	0.01872	3.36E-05	1.4E-06	9.8E-05	2E-08	0.00013	4.11E-05	1.68616E-06	0.00012	1.12E-08	1.63E-04	3.63E-05	1.3E-06	0.000259	1.15E-08
5006	481863.09	3863377.25	0.0191	0.01799	0.01901	0.01935	3.48E-05	1.5E-06	0.0001	2.1E-08	0.00014	4.27E-05	1.87595E-06	0.000123	1.15E-08	1.68E-04	3.76E-05	1.44E-06	0.000266	1.19E-08
5007	482363.09	3863377.25	0.01982	0.01914	0.01967	0.02007	3.61E-05	1.6E-06	0.0001	2.1E-08	0.00014	4.43E-05	1.99587E-06	0.000128	1.2E-08	1.74E-04	3.9E-05	1.54E-06	0.000275	1.24E-08
5008	482863.09	3863377.25	0.02034	0.01904	0.02017	0.02108	3.71E-05	1.6E-06	0.00011	2.2E-08	0.00015	4.54E-05	1.98544E-06	0.000131	1.26E-08	1.78E-04	4.01E-05	1.53E-06	0.000282	1.3E-08
5009	483363.09	3863377.25	0.02076	0.0199	0.02041	0.02185	3.78E-05	1.7E-06	0.00011	2.3E-08	0.00015	4.64E-05	2.07512E-06	0.000133	1.3E-08	1.81E-04	4.09E-05	1.6E-06	0.000286	1.35E-08
5010	483863.09	3863377.25	0.02106	0.02078	0.02053	0.02223	3.84E-05	1.8E-06	0.00011	2.4E-08	0.00015	4.70E-05	2.16688E-06	0.000133	1.33E-08	1.83E-04	4.15E-05	1.67E-06	0.000287	1.37E-08
5011	484363.09	3863377.25	0.02119	0.02008	0.02054	0.02257	3.86E-05	1.7E-06	0.00011	2.4E-08	0.00015	4.73E-05	2.09389E-06	0.000133	1.35E-08	1.83E-04	4.17E-05	1.61E-06	0.000287	1.39E-08
5012	484863.09	3863377.25	0.02123	0.01843	0.02053	0.02267	3.87E-05	1.6E-06	0.00011	2.4E-08	0.00015	4.74E-05	1.92183E-06	0.000133	1.35E-08	1.83E-04	4.18E-05	1.48E-06	0.000287	1.4E-08
5013	485363.09	3863377.25	0.02096	0.01905	0.01993	0.02211	3.82E-05	1.6E-06	0.00011	2.4E-08	0.00015	4.68E-05	1.98648E-06	0.000129	1.32E-08	1.78E-04	4.13E-05	1.53E-06	0.000279	1.36E-08
5014	485863.09	3863377.25	0.02083	0.01989	0.01942	0.02152	3.80E-05	1.7E-06	0.0001	2.3E-08	0.00014	4.65E-05	2.07407E-06	0.000126	1.28E-08	1.75E-04	4.1E-05	1.6E-06	0.000272	1.33E-08
5015	486363.09	3863377.25	0.02072	0.01962	0.0192	0.02135	3.78E-05	1.7E-06	0.0001	2.3E-08	0.00014	4.63E-05	2.04592E-06	0.000125	1.27E-08	1.73E-04	4.08E-05	1.57E-06	0.000269	1.32E-08
5016	486863.09	3863377.25	0.02055	0.01968	0.01902	0.02097	3.75E-05	1.7E-06	0.0001	2.2E-08	0.00014	4.59E-05	2.05217E-06	0.000124	1.25E-08	1.72E-04	4.05E-05	1.58E-06	0.000266	1.29E-08
5017	487363.09	3863377.25	0.02041	0.0183	0.01904	0.0209	3.72E-05	1.6E-06	0.0001	2.2E-08	0.00014	4.56E-05	1.90827E-06	0.000124	1.25E-08	1.71E-04	4.02E-05	1.47E-06	0.000266	1.29E-08
5018	487863.09	3863377.25	0.02021	0.01725	0.01911	0.02077	3.68E-05	1.5E-06	0.0001	2.2E-08	0.00014	4.51E-05	1.79878E-06	0.000124	1.24E-08	1.71E-04	3.98E-05	1.38E-06	0.000267	1.28E-08
5019	488363.09	3863377.25	0.02009	0.01801	0.01897	0.02074	3.66E-05	1.5E-06	0.0001	2.2E-08	0.00014	4.49E-05	1.87803E-06	0.000123	1.24E-08	1.70E-04	3.96E-05	1.44E-06	0.000265	1.28E-08
5020	488863.09	3863377.25	0.01991	0.0193	0.01856	0.02098	3.63E-05	1.6E-06	9.9E-05	2.2E-08	0.00014	4.45E-05	2.01255E-06	0.000121	1.25E-08	1.67E-04	3.92E-05	1.55E-06	0.00026	1.29E-08
5021	489363.09	3863377.25	0.01971	0.01922	0.01827	0.02098	3.59E-05	1.6E-06	9.7E-05	2.2E-08	0.00013	4.40E-05	2.00421E-06	0.000119	1.25E-08	1.65E-04	3.88E-05	1.54E-06	0.000256	1.29E-08
5022	489863.09	3863377.25	0.01967	0.01854	0.01837	0.02097	3.59E-05	1.6E-06	9.8E-05	2.2E-08	0.00014	4.39E-05	1.9333E-06	0.000119	1.25E-08	1.65E-04	3.87E-05	1.49E-06	0.000257	1.29E-08
5023	490363.09	3863377.25	0.01977	0.01874	0.0186	0.0213	3.60E-05	1.6E-06	9.9E-05	2.3E-08	0.00014	4.42E-05	1.95415E-06	0.000121	1.27E-08	1.67E-04	3.89E-05	1.5E-06	0.00026	1.31E-08
5024	490863.09	3863377.25	0.02003	0.0197	0.01878	0.02187	3.65E-05	1.7E-06	1E-04	2.3E-08	0.00014	4.47E-05	2.05426E-06	0.000122	1.31E-08	1.69E-04	3.94E-05	1.58E-06	0.000263	1.35E-08
5025	491363.09	3863377.25	0.02012	0.01974	0.01892	0.02207	3.67E-05	1.7E-06	0.0001	2.4E-08	0.00014	4.49E-05	2.05843E-06	0.000123	1.32E-08	1.70E-04	3.96E-05	1.58E-06	0.000265	1.36E-08
5026	491863.09	3863377.25	0.02018	0.01985	0.01902	0.02234	3.68E-05	1.7E-06	0.0001	2.4E-08	0.00014	4.51E-05	2.0699E-06	0.000124	1.33E-08	1.71E-04	3.97E-05	1.59E-06	0.000266	1.38E-08
5027	492363.09	3863377.25	0.02038	0.02033	0.01901	0.02247	3.71E-05	1.7E-06	0.0001	2.4E-08	0.00014	4.55E-05	2.11995E-06	0.000123	1.34E-08	1.71E-04	4.01E-05	1.63E-06	0.000266	1.39E-08
5028	492863.09	3863377.25	0.02094	0.02113	0.01956	0.02283	3.82E-05	1.8E-06	0.0001	2.4E-08	0.00014	4.68E-05	2.20338E-06	0.000127	1.36E-08	1.76E-04	4.12E-05	1.7E-06	0.000274	1.41E-08
5029	493363.09	3863377.25	0.02158	0.02213	0.02046	0.02401	3.93E-05	1.9E-06	0.00011	2.6E-08	0.00015	4.82E-05	2.30765E-06	0.000133	1.43E-08	1.83E-04	4.25E-05	1.78E-06	0.000286	1.48E-08
5030	493863.09	3863377.25	0.02141	0.02216	0.02048	0.02433	3.90E-05	1.9E-06	0.00011	2.6E-08	0.00015	4.78E-05	2.31078E-06	0.000133	1.45E-08	1.83E-04	4.22E-05	1.78E-06	0.000286	1.5E-08
5031	494363.09	3863377.25	0.0204	0.02108	0.01948	0.02319	3.72E-05	1.8E-06	0.0001	2.5E-08	0.00014	4.56E-05	2.19816E-06	0.000127	1.38E-08	1.74E-04	4.02E-05	1.69E-06	0.000273	1.43E-08
5032	494863.09	3863377.25	0.01961	0.02017	0.01857	0.02188	3.57E-05	1.7E-06	9.9E-05	2.3E-08	0.00014	4.38E-05	2.10327E-06	0.000121	1.31E-08	1.67E-04	3.86E-05	1.62E-06	0.00026	1.35E-08
5033	495363.09	3863377.25	0.0192	0.01977	0.01809	0.02129	3.50E-05	1.7E-06	9.6E-05	2.3E-08	0.00013	4.29E-05	2.06156E-06	0.000117	1.27E-08	1.62E-04	3.78E-05	1.59E-06	0.000253	1.31E-08
5034	495863.09	3863377.25	0.01903	0.0197	0.01794	0.02122	3.47E-05	1.7E-06	9.5E-05	2.3E-08	0.00013	4.25E-05	2.05426E-06	0.000117	1.27E-08	1.61E-04	3.75E-05	1.58E-06	0.000251	1.31E-08
5035	496363.09	3863377.25	0.01833	0.019	0.01721	0.02098	3.34E-05	1.6E-06	9.1E-05	2.2E-08	0.00013	4.09E-05	1.98127E-06	0.000112	1.25E-08	1.55E-04	3.61E-05	1.52E-06	0.000241	1.29E-08
5036	496863.09	3863377.25	0.01808	0.01883	0.01683	0.02086	3.30E-05	1.6E-06	8.9E-05	2.2E-08	0.00012	4.04E-05	1.96354E-06	0.000109	1.25E-08	1.52E-04	3.56E-05	1.51E-06	0.000235	1.29E-08
5037	497363.09	3863377.25	0.0183	0.01925	0.01693	0.02134	3.34E-05	1.6E-06	9E-05	2.3E-08	0.00012	4.09E-05	2.00734E-06	0.00011	1.27E-08	1.53E-04	3.6E-05	1.54E-06	0.000237	1.32E-08
5038	497863.09	3863377.25	0.01861	0.01982	0.01731	0.02209	3.39E-05	1.7E-06	9.2E-05	2.4E-08	0.00013	4.16E-05	2.06677E-06	0.000112	1.32E-08	1.56E-04	3.67E-05	1.59E-06	0.000242	1.36E-08
5039	498363.09	3863377.25	0.01882	0.02025	0.01774	0.02272	3.43E-05	1.7E-06	9.4E-05	2.4E-08	0.00013	4.20E-05	2.11161E-06	0.000115	1.36E-08	1.59E-04	3.71E-05	1.62E-06	0.000248	1.4E-08
5040	471363.09	3863877.25	0.00857	0.00789	0.00859	0.0085	1.56E-05	6.7E-07	4.6E-05	9.1E-09	6.2E-05	1.91E-05	8.22747E-07	5.58E-05	5.07E-09	7.58E-05	1.69E-05	6.33E-07	0.00012	5.24E-09
5041	471863.09	3863877.25	0.00885	0.00833	0.00885	0.00863	1.61E-05	7.1E-07	4.7E-05	9.2E-09	6.4E-05	1.98E-05	8.68629E-07	5.75E-05	5.15E-09	7.81E-05	1.74E-05	6.68E-07	0.000124	5.32E-09
5042	472363.09	3863877.25	0.0091	0.0088	0.00909	0.00887	1.66E-05	7.5E-07	4.8E-05	9.5E-09	6.6E-05	2.03E-05	9.17639E-07	5.9E-05	5.29E-09	8.03E-05	1.79E-05	7.06E-07	0.000127	5.47E-09
5043	472863.09	3863877.25	0.00936	0.00934	0.00932	0.00916	1.71E-05	7.9E-07	5E-05	9.8E-09	6.7E-05	2.09E-05	9.73949E-07	6.05E-05	5.47E-09	8.24E-05	1.84E-05	7.49E-07	0.00013	5.65E-09
5044	473363.09	3863877.25	0.00961	0.0099	0.00952	0.00949	1.75E-05	8.4E-07	5.1E-05	1E-08	6.9E-05	2.15E-05	1.03234E-06	6.18E-05	5.66E-09	8.43E-05	1.89E-05	7.94E-07	0.000133	5.85E-09
5045	473863.09	3863877.25	0.0099	0.01042	0.00974	0.00978	1.80E-05	8.9E-07	5.2E-05	1E-08	7.1E-05	2.21E-05	1.08657E-06	6.33E-05	5.84E-09	8.65E-05	1.95E-05	8.36E-07	0.000136	6.03E-09
5046	474363.09	3863877.25	0.01017	0.01072	0.00993	0.01011	1.85E-05	9.1E-07	5.3E-05	1.1E-08	7.2E-05	2.27E-05	1.11785E-06	6.45E-05	6.03E-09	8.83E-05	2E-05	8.6E-07	0.000139	6.23E-09
5047	474863.09	3863877.25	0.01044	0.01074	0.01008	0.01045	1.90E-05	9.1E-07	5.4E-05	1.1E-08	7.4E-05	2.33E-05	1.11994E-06	6.55E-05	6.24E-09	8.99E-05	2.06E-05	8.62E-07	0.000141	6.44E-09
5048	475363.09	3863877.25	0.01079	0.01072	0.01034	0.01073	1.97E-05	9.1E-07	5.5E-05	1.1E-08	7.6E-05	2.41E-05	1.11785E-06	6.72E-05	6.4E-09	9.24E-05	2.13E-05	8.6E-07	0.000145	6.62E-09
5049	475863.09	3863877.25	0.01114	0.01068	0.01062	0.01096	2.03E-05	9.1E-07	5.6E-05	1.2E-08	7.8E-05	2.49E-05	1.11368E-06	6.9E-05	6.54E-09	9.50E-05	2.19E-05	8.57E-07	0.000149	6.76E-09
5050	476363.09	3863877.25	0.01159	0.01091	0.01105	0.01112	2.11E-05	9.3E-07	5.9E-05	1.2E-08	8.1E-05	2.59E-05	1.13766E-06	7.18E-05	6.64E-09	9.88E-05	2.28E-05	8.75E-07	0.000155	6.86E-09
5051	476863.09	3863877.25	0.01206	0.0113	0.01155	0.01132	2.20E-05	9.6E-07	6.1E-05	1.2E-08	8.4E-05	2.69E-05	1.17833E-06	7.5E-05	6.76E-09	1.03E-04	2.38E-05	9.06E-07	0.000162	6.98E-09
5052	477363.09	3863877.25	0.0126	0.01177	0.01217	0.01161	2.30E-05	1E-06	6.5E-05	1.2E-08	8.9E-05	2.81E-05	1.22734E-06	7.9E-05	6.93E-09	1.08E-04	2.48E-05	9.44E-07	0.00017	7.16E-09
5053	477863.09	3863877.25	0.01321	0.01232	0.01284	0.01199	2.41E-05	1E-06	6.8E-05	1.3E-08	9.3E-05	2.95E-05	1.28469E-06	8.34E-05	7.16E-09	1.14E-04	2.6E-05	9.88E-07	0.00018	7.39E-09
5054	478363.09	3863877.25	0.01373	0.01311	0.01345	0.01204	2.50E-05	1.1E-06	7.1E-05	1.3E-08	9.8E-05	3.07E-05	1.36707E-06	8.74E-05	7.19E-09	1.19E-04	2.7E-05	1.05E-06	0.000188	7.42E-09
5055	478863.09	3863877.25	0.01437	0.01388	0.01407	0.01315	2.62E-05	1.2E-06	7.5E-05	1.4E-08	0.0001	3.21E-05	1.44737E-06	9.14E-05	7.85E-09	1.25E-04	2.83E-05	1.11E-06	0.000197	8.11E-09
5056	479363.09	3863877.25	0.01486	0.01434	0.01465	0.01404	2.71E-05	1.2E-06	7.8E-05	1.5E-08	0.00011	3.32E-05	1.49533E-06	9.52E-05	8.38E-09	1.30E-04	2.93E-05	1.15E-06	0.000205	8.66E-09
5057	479863.09	3863877.25	0.01537	0.01444	0.0153	0.01489	2.80E-05	1.2E-06	8.1E-05	1.6E-08	0.00011	3.43E-05	1.50576E-06	9.94E-05	8.89E-09	1.35E-04	3.03E-05	1.16E-06	0.000214	9.18E-09
5058	480363.09	3863877.25	0.01588	0.01425	0.01596	0.01571	2.89E-05	1.2E-06	8.5E-05	1.7E-08	0.00011	3.55E-05	1.48595E-06	0.000104	9.38E-09	1.41E-04	3.13E-05	1.14E-06	0.000223	9.69E-09
5059	480863.09	3863877.25	0.01643	0.01438	0.01655	0.01652	2.99E-05	1.2E-06	8.8E-05	1.8E-08	0.00012	3.67E-05	1.49951E-06	0.000107	9.86E-09	1.46E-04	3.24E-05	1.15E-06	0.000232	1.02E-08

5060	481363.09	3863877.25	0.01691	0.01541	0.01689	0.01715	3.08E-05	1.3E-06	9E-05	1.8E-08	0.00012	3.78E-05	1.60691E-06	0.00011	1.02E-08	1.49E-04	3.33E-05	1.24E-06	0.000236	1.06E-08
5061	481863.09	3863877.25	0.01745	0.01673	0.01726	0.01765	3.18E-05	1.4E-06	9.2E-05	1.9E-08	0.00012	3.90E-05	1.74456E-06	0.000112	1.05E-08	1.53E-04	3.44E-05	1.34E-06	0.000241	1.09E-08
5062	482363.09	3863877.25	0.01803	0.01714	0.01786	0.01837	3.29E-05	1.5E-06	9.5E-05	2E-08	0.00013	4.03E-05	1.78731E-06	0.000116	1.1E-08	1.58E-04	3.55E-05	1.37E-06	0.00025	1.13E-08
5063	482863.09	3863877.25	0.01837	0.01731	0.01814	0.01913	3.35E-05	1.5E-06	9.6E-05	2E-08	0.00013	4.10E-05	1.80504E-06	0.000118	1.14E-08	1.61E-04	3.62E-05	1.39E-06	0.000254	1.18E-08
5064	483363.09	3863877.25	0.01864	0.01815	0.01822	0.01955	3.40E-05	1.5E-06	9.7E-05	2.1E-08	0.00013	4.16E-05	1.89263E-06	0.000118	1.17E-08	1.62E-04	3.67E-05	1.46E-06	0.000255	1.21E-08
5065	483863.09	3863877.25	0.01891	0.01849	0.01835	0.01985	3.45E-05	1.6E-06	9.7E-05	2.1E-08	0.00013	4.22E-05	1.92808E-06	0.000119	1.18E-08	1.63E-04	3.72E-05	1.48E-06	0.000257	1.22E-08
5066	484363.09	3863877.25	0.01896	0.01735	0.01841	0.02007	3.46E-05	1.5E-06	9.8E-05	2.1E-08	0.00013	4.24E-05	1.80921E-06	0.00012	1.2E-08	1.64E-04	3.73E-05	1.39E-06	0.000258	1.24E-08
5067	484863.09	3863877.25	0.01894	0.01631	0.01838	0.01999	3.45E-05	1.4E-06	9.8E-05	2.1E-08	0.00013	4.23E-05	1.70076E-06	0.000119	1.19E-08	1.63E-04	3.73E-05	1.31E-06	0.000257	1.23E-08
5068	485363.09	3863877.25	0.01878	0.01729	0.01789	0.0195	3.42E-05	1.5E-06	9.5E-05	2.1E-08	0.00013	4.19E-05	1.80295E-06	0.000116	1.16E-08	1.60E-04	3.7E-05	1.39E-06	0.00025	1.2E-08
5069	485863.09	3863877.25	0.0187	0.01755	0.01753	0.01915	3.41E-05	1.5E-06	9.3E-05	2E-08	0.00013	4.18E-05	1.83006E-06	0.000114	1.14E-08	1.57E-04	3.68E-05	1.41E-06	0.000245	1.18E-08
5070	486363.09	3863877.25	0.01844	0.01733	0.01718	0.01884	3.36E-05	1.5E-06	9.1E-05	2E-08	0.00013	4.12E-05	1.80712E-06	0.000112	1.12E-08	1.55E-04	3.63E-05	1.39E-06	0.00024	1.16E-08
5071	486863.09	3863877.25	0.0183	0.01752	0.01699	0.01838	3.34E-05	1.5E-06	9E-05	2E-08	0.00013	4.09E-05	1.82694E-06	0.00011	1.1E-08	1.53E-04	3.6E-05	1.41E-06	0.000238	1.13E-08
5072	487363.09	3863877.25	0.0182	0.01643	0.01705	0.01838	3.32E-05	1.4E-06	9.1E-05	2E-08	0.00013	4.07E-05	1.71327E-06	0.000111	1.1E-08	1.53E-04	3.58E-05	1.32E-06	0.000239	1.13E-08
5073	487863.09	3863877.25	0.01807	0.01544	0.01719	0.01834	3.29E-05	1.3E-06	9.1E-05	2E-08	0.00013	4.04E-05	1.61004E-06	0.000112	1.09E-08	1.54E-04	3.56E-05	1.24E-06	0.00024	1.13E-08
5074	488363.09	3863877.25	0.018	0.01586	0.01718	0.01837	3.28E-05	1.3E-06	9.1E-05	2E-08	0.00013	4.02E-05	1.65384E-06	0.000112	1.1E-08	1.53E-04	3.55E-05	1.27E-06	0.00024	1.13E-08
5075	488863.09	3863877.25	0.01786	0.01691	0.01684	0.01862	3.26E-05	1.4E-06	8.9E-05	2E-08	0.00012	3.99E-05	1.76333E-06	0.000109	1.11E-08	1.51E-04	3.52E-05	1.36E-06	0.000236	1.15E-08
5076	489363.09	3863877.25	0.01765	0.01724	0.01645	0.01858	3.22E-05	1.5E-06	8.7E-05	2E-08	0.00012	3.94E-05	1.79774E-06	0.000107	1.11E-08	1.48E-04	3.48E-05	1.38E-06	0.00023	1.15E-08
5077	489863.09	3863877.25	0.01756	0.01679	0.0164	0.01843	3.20E-05	1.4E-06	8.7E-05	2E-08	0.00012	3.92E-05	1.75081E-06	0.000107	1.1E-08	1.48E-04	3.46E-05	1.35E-06	0.000229	1.14E-08
5078	490363.09	3863877.25	0.01757	0.01647	0.01661	0.01865	3.20E-05	1.4E-06	8.8E-05	2E-08	0.00012	3.92E-05	1.71745E-06	0.000108	1.11E-08	1.49E-04	3.46E-05	1.32E-06	0.000232	1.15E-08
5079	490863.09	3863877.25	0.01771	0.01709	0.01676	0.01909	3.23E-05	1.5E-06	8.9E-05	2E-08	0.00012	3.96E-05	1.7821E-06	0.000109	1.14E-08	1.50E-04	3.49E-05	1.37E-06	0.000234	1.18E-08
5080	491363.09	3863877.25	0.01788	0.01762	0.01684	0.01943	3.26E-05	1.5E-06	8.9E-05	2.1E-08	0.00012	3.99E-05	1.83736E-06	0.000109	1.16E-08	1.51E-04	3.52E-05	1.41E-06	0.000236	1.2E-08
5081	491863.09	3863877.25	0.01851	0.01816	0.01754	0.01987	3.37E-05	1.5E-06	9.3E-05	2.1E-08	0.00013	4.13E-05	1.89367E-06	0.000114	1.19E-08	1.57E-04	3.65E-05	1.46E-06	0.000245	1.23E-08
5082	492363.09	3863877.25	0.01898	0.01887	0.01806	0.02025	3.46E-05	1.6E-06	9.6E-05	2.2E-08	0.00013	4.24E-05	1.96771E-06	0.000117	1.21E-08	1.62E-04	3.74E-05	1.51E-06	0.000253	1.25E-08
5083	492863.09	3863877.25	0.019	0.01918	0.01794	0.01925	3.46E-05	1.6E-06	9.5E-05	2.1E-08	0.00013	4.24E-05	2.00004E-06	0.000117	1.15E-08	1.61E-04	3.74E-05	1.54E-06	0.000251	1.19E-08
5084	493363.09	3863877.25	0.01902	0.01945	0.01806	0.01906	3.47E-05	1.7E-06	9.6E-05	2E-08	0.00013	4.25E-05	2.02819E-06	0.000117	1.14E-08	1.62E-04	3.75E-05	1.56E-06	0.000253	1.18E-08
5085	493863.09	3863877.25	0.01947	0.01998	0.01856	0.02134	3.55E-05	1.7E-06	9.9E-05	2.3E-08	0.00014	4.35E-05	2.08346E-06	0.000121	1.27E-08	1.66E-04	3.83E-05	1.6E-06	0.00026	1.32E-08
5086	494363.09	3863877.25	0.01933	0.01999	0.01855	0.02188	3.52E-05	1.7E-06	9.9E-05	2.3E-08	0.00014	4.32E-05	2.0845E-06	0.00012	1.31E-08	1.66E-04	3.81E-05	1.6E-06	0.000259	1.35E-08
5087	494863.09	3863877.25	0.01861	0.01928	0.0179	0.02082	3.39E-05	1.6E-06	9.5E-05	2.2E-08	0.00013	4.16E-05	2.01046E-06	0.000116	1.24E-08	1.60E-04	3.67E-05	1.55E-06	0.00025	1.28E-08
5088	495363.09	3863877.25	0.01782	0.01837	0.01702	0.01949	3.25E-05	1.6E-06	9E-05	2.1E-08	0.00012	3.98E-05	1.91557E-06	0.000111	1.16E-08	1.52E-04	3.51E-05	1.47E-06	0.000238	1.2E-08
5089	495863.09	3863877.25	0.01729	0.01779	0.01639	0.01875	3.15E-05	1.5E-06	8.7E-05	2E-08	0.00012	3.86E-05	1.85509E-06	0.000106	1.12E-08	1.47E-04	3.41E-05	1.43E-06	0.000229	1.16E-08
5090	496363.09	3863877.25	0.01679	0.01734	0.01592	0.01871	3.06E-05	1.5E-06	8.5E-05	2E-08	0.00012	3.75E-05	1.80817E-06	0.000103	1.12E-08	1.43E-04	3.31E-05	1.39E-06	0.000223	1.15E-08
5091	496863.09	3863877.25	0.01645	0.01706	0.0156	0.01864	3.00E-05	1.5E-06	8.3E-05	2E-08	0.00011	3.67E-05	1.77897E-06	0.000101	1.11E-08	1.40E-04	3.24E-05	1.37E-06	0.000218	1.15E-08
5092	497363.09	3863877.25	0.01629	0.01695	0.01534	0.01859	2.97E-05	1.4E-06	8.2E-05	2E-08	0.00011	3.64E-05	1.7675E-06	9.96E-05	1.11E-08	1.38E-04	3.21E-05	1.36E-06	0.000215	1.15E-08
5093	497863.09	3863877.25	0.01634	0.01711	0.01526	0.01876	2.98E-05	1.5E-06	8.1E-05	2E-08	0.00011	3.65E-05	1.78418E-06	9.91E-05	1.12E-08	1.37E-04	3.22E-05	1.37E-06	0.000213	1.16E-08
5094	498363.09	3863877.25	0.01645	0.0174	0.01532	0.01916	3.00E-05	1.5E-06	8.1E-05	2E-08	0.00011	3.67E-05	1.81442E-06	9.95E-05	1.14E-08	1.38E-04	3.24E-05	1.4E-06	0.000214	1.18E-08
5095	471363.09	3864377.25	0.0082	0.00791	0.00818	0.008	1.49E-05	6.7E-07	4.3E-05	8.5E-09	5.9E-05	1.83E-05	8.24832E-07	5.31E-05	4.77E-09	7.23E-05	1.61E-05	6.35E-07	0.000114	4.93E-09
5096	471863.09	3864377.25	0.00842	0.0084	0.00838	0.00821	1.53E-05	7.1E-07	4.5E-05	8.8E-09	6.1E-05	1.88E-05	8.75928E-07	5.44E-05	4.9E-09	7.41E-05	1.66E-05	6.74E-07	0.000117	5.06E-09
5097	472363.09	3864377.25	0.00864	0.00891	0.00856	0.00846	1.57E-05	7.6E-07	4.5E-05	9E-09	6.2E-05	1.93E-05	9.2911E-07	5.56E-05	5.05E-09	7.58E-05	1.7E-05	7.15E-07	0.00012	5.22E-09
5098	472863.09	3864377.25	0.00886	0.00938	0.00872	0.00873	1.62E-05	8E-07	4.6E-05	9.3E-09	6.3E-05	1.98E-05	9.7812E-07	5.66E-05	5.21E-09	7.74E-05	1.74E-05	7.52E-07	0.000122	5.38E-09
5099	473363.09	3864377.25	0.00907	0.00964	0.00885	0.00903	1.65E-05	8.2E-07	4.7E-05	9.6E-09	6.4E-05	2.03E-05	1.00523E-06	5.75E-05	5.39E-09	7.88E-05	1.79E-05	7.73E-07	0.000124	5.57E-09
5100	473863.09	3864377.25	0.00929	0.00967	0.00901	0.00931	1.69E-05	8.2E-07	4.8E-05	9.9E-09	6.6E-05	2.08E-05	1.00836E-06	5.85E-05	5.56E-09	8.03E-05	1.83E-05	7.76E-07	0.000126	5.74E-09
5101	474363.09	3864377.25	0.00955	0.00954	0.0092	0.00955	1.74E-05	8.1E-07	4.9E-05	1E-08	6.7E-05	2.13E-05	9.94804E-07	5.98E-05	5.7E-09	8.21E-05	1.88E-05	7.65E-07	0.000129	5.89E-09
5102	474863.09	3864377.25	0.00981	0.00935	0.00939	0.00974	1.79E-05	8E-07	5E-05	1E-08	6.9E-05	2.19E-05	9.74992E-07	6.1E-05	5.81E-09	8.39E-05	1.93E-05	7.5E-07	0.000131	6.01E-09
5103	475363.09	3864377.25	0.01014	0.00939	0.00968	0.00987	1.85E-05	8E-07	5.1E-05	1.1E-08	7.1E-05	2.27E-05	9.79163E-07	6.29E-05	5.89E-09	8.65E-05	2E-05	7.53E-07	0.000135	6.09E-09
5104	475863.09	3864377.25	0.0105	0.00969	0.01003	0.00999	1.91E-05	8.2E-07	5.3E-05	1.1E-08	7.3E-05	2.35E-05	1.01045E-06	6.51E-05	5.96E-09	8.96E-05	2.07E-05	7.77E-07	0.00014	6.16E-09
5105	476363.09	3864377.25	0.01093	0.01022	0.01048	0.01017	1.99E-05	8.7E-07	5.6E-05	1.1E-08	7.6E-05	2.44E-05	1.06571E-06	6.81E-05	6.07E-09	9.36E-05	2.15E-05	8.2E-07	0.000147	6.27E-09
5106	476863.09	3864377.25	0.01139	0.01074	0.01101	0.01044	2.08E-05	9.1E-07	5.8E-05	1.1E-08	8E-05	2.54E-05	1.11994E-06	7.15E-05	6.23E-09	9.81E-05	2.24E-05	8.62E-07	0.000154	6.44E-09
5107	477363.09	3864377.25	0.01181	0.01109	0.01148	0.01095	2.15E-05	9.4E-07	6.1E-05	1.2E-08	8.3E-05	2.64E-05	1.15643E-06	7.46E-05	6.54E-09	1.02E-04	2.33E-05	8.9E-07	0.000161	6.75E-09
5108	477863.09	3864377.25	0.01227	0.01154	0.01194	0.01151	2.24E-05	9.8E-07	6.3E-05	1.2E-08	8.7E-05	2.74E-05	1.20336E-06	7.76E-05	6.87E-09	1.06E-04	2.42E-05	9.26E-07	0.000167	7.1E-09
5109	478363.09	3864377.25	0.01275	0.0122	0.01244	0.01205	2.32E-05	1E-06	6.6E-05	1.3E-08	9E-05	2.85E-05	1.27218E-06	8.08E-05	7.19E-09	1.11E-04	2.51E-05	9.79E-07	0.000174	7.43E-09
5110	478863.09	3864377.25	0.01326	0.01273	0.01304	0.01261	2.42E-05	1.1E-06	6.9E-05	1.3E-08	9.5E-05	2.96E-05	1.32745E-06	8.47E-05	7.53E-09	1.16E-04	2.61E-05	1.02E-06	0.000182	7.77E-09
5111	479363.09	3864377.25	0.01371	0.01293	0.01362	0.01324	2.50E-05	1.1E-06	7.2E-05	1.4E-08	9.8E-05	3.06E-05	1.3483E-06	8.85E-05	7.9E-09	1.20E-04	2.7E-05	1.04E-06	0.000191	8.16E-09
5112	479863.09	3864377.25	0.01424	0.01301	0.01427	0.01393	2.60E-05	1.1E-06	7.6E-05	1.5E-08	0.0001	3.18E-05	1.35665E-06	9.27E-05	8.31E-09	1.26E-04	2.8E-05	1.04E-06	0.0002	8.59E-09
5113	480363.09	3864377.25	0.01475	0.01311	0.01487	0.01465	2.69E-05	1.1E-06	7.9E-05	1.6E-08	0.00011	3.29E-05	1.36707E-06	9.66E-05	8.74E-09	1.31E-04	2.9E-05	1.05E-06	0.000208	9.03E-09
5114	480863.09	3864377.25	0.01509	0.0135	0.01514	0.01526	2.75E-05	1.1E-06	8E-05	1.6E-08	0.00011	3.37E-05	1.40774E-06	9.83E-05	9.11E-09	1.33E-04	2.97E-05	1.08E-06	0.000212	9.41E-09
5115	481363.09	3864377.25	0.01549	0.01447	0.01536	0.01575	2.82E-05	1.2E-06	8.2E-05	1.7E-08	0.00011	3.46E-05	1.50889E-06	9.98E-05	9.4E-09	1.36E-04	3.05E-05	1.16E-06	0.000215	9.71E-09
5116	481863.09	3864377.25	0.01597	0.01522	0.01576	0.01621	2.91E-05	1.3E-06	8.4E-05	1.7E-08	0.00011	3.57E-05	1.5871E-06	0.000102	9.67E-09	1.40E-04	3.15E-05	1.22E-06	0.00022	9.99E-09
5117	482363.09	3864377.25	0.01637	0.0155	0.01619	0.01679	2.98E-05	1.3E-06	8.6E-05	1.8E-08	0.00012	3.66E-05	1.6163E-06	0.000105	1E-08	1.43E-04	3.22E-05	1.24E-06	0.000226	1.04E-08
5118	482863.09	3864377.25	0.01665	0.01593	0.01635	0.0173	3.04E-05	1.4E-06	8.7E-05	1.8E-08	0.00012	3.72E-05	1.66114E-06	0.000106	1.03E-08	1.45E-04	3.28E-05	1.28E-06	0.000229	1.07E-08
5119	483363.09	3864377.25	0.01684	0.01645	0.01637	0.01758	3.07E-05	1.4E-06	8.7E-05	1.9E-08	0.00012	3.76E-05	1.71536E-06	0.000106	1.05E-08	1.46E-04	3.32E-05	1.32E-06	0.000229	1.08E-08
5120	483863.09	3864377.25	0.01699	0.01626	0.01645	0.01781	3.10E-05	1.4E-06	8.7E-05	1.9E-08	0.00012	3.80E-05	1.69555E-06	0.000107	1.06E-08	1.47E-04	3.35E-05	1.3E-06	0.00023	1.1E-08

5121	484363.09	3864377.25	0.01707	0.01513	0.01663	0.01789	3.11E-05	1.3E-06	8.8E-05	1.9E-08	0.00012	3.81E-05	1.57771E-06	0.000108	1.07E-08	1.48E-04	3.36E-05	1.21E-06	0.000233	1.1E-08
5122	484863.09	3864377.25	0.01698	0.01476	0.01653	0.01771	3.10E-05	1.3E-06	8.8E-05	1.9E-08	0.00012	3.79E-05	1.53913E-06	0.000107	1.06E-08	1.47E-04	3.34E-05	1.18E-06	0.000231	1.09E-08
5123	485363.09	3864377.25	0.01686	0.0156	0.0161	0.01736	3.07E-05	1.3E-06	8.6E-05	1.9E-08	0.00012	3.77E-05	1.62672E-06	0.000105	1.04E-08	1.44E-04	3.32E-05	1.25E-06	0.000225	1.07E-08
5124	485863.09	3864377.25	0.01673	0.01543	0.01578	0.01712	3.05E-05	1.3E-06	8.4E-05	1.8E-08	0.00012	3.74E-05	1.609E-06	0.000102	1.02E-08	1.41E-04	3.29E-05	1.24E-06	0.000221	1.06E-08
5125	486363.09	3864377.25	0.01656	0.01544	0.01549	0.01674	3.02E-05	1.3E-06	8.2E-05	1.8E-08	0.00011	3.70E-05	1.61004E-06	0.000101	9.99E-09	1.39E-04	3.26E-05	1.24E-06	0.000217	1.03E-08
5126	486863.09	3864377.25	0.01646	0.01571	0.01531	0.0163	3.00E-05	1.3E-06	8.1E-05	1.7E-08	0.00011	3.68E-05	1.63819E-06	9.94E-05	9.73E-09	1.38E-04	3.24E-05	1.26E-06	0.000214	1.01E-08
5127	487363.09	3864377.25	0.01639	0.01489	0.01539	0.01631	2.99E-05	1.3E-06	8.2E-05	1.7E-08	0.00011	3.66E-05	1.55269E-06	1E-04	9.73E-09	1.38E-04	3.23E-05	1.19E-06	0.000215	1.01E-08
5128	487863.09	3864377.25	0.0163	0.01396	0.01557	0.01632	2.97E-05	1.2E-06	8.3E-05	1.7E-08	0.00011	3.64E-05	1.45571E-06	0.000101	9.74E-09	1.39E-04	3.21E-05	1.12E-06	0.000218	1.01E-08
5129	488363.09	3864377.25	0.01623	0.01414	0.0156	0.01637	2.96E-05	1.2E-06	8.3E-05	1.7E-08	0.00011	3.63E-05	1.47448E-06	0.000101	9.77E-09	1.39E-04	3.2E-05	1.13E-06	0.000218	1.01E-08
5130	488863.09	3864377.25	0.01616	0.01497	0.01542	0.01667	2.95E-05	1.3E-06	8.2E-05	1.8E-08	0.00011	3.61E-05	1.56103E-06	0.0001	9.95E-09	1.38E-04	3.18E-05	1.2E-06	0.000216	1.03E-08
5131	489363.09	3864377.25	0.01597	0.01546	0.015	0.01667	2.91E-05	1.3E-06	8E-05	1.8E-08	0.00011	3.57E-05	1.61213E-06	9.74E-05	9.95E-09	1.35E-04	3.15E-05	1.24E-06	0.00021	1.03E-08
5132	489863.09	3864377.25	0.01585	0.01528	0.01481	0.01643	2.89E-05	1.3E-06	7.9E-05	1.8E-08	0.00011	3.54E-05	1.59336E-06	9.62E-05	9.81E-09	1.33E-04	3.12E-05	1.23E-06	0.000207	1.01E-08
5133	490363.09	3864377.25	0.01582	0.01492	0.01495	0.01648	2.88E-05	1.3E-06	7.9E-05	1.8E-08	0.00011	3.53E-05	1.55582E-06	9.71E-05	9.84E-09	1.34E-04	3.12E-05	1.2E-06	0.000209	1.02E-08
5134	490863.09	3864377.25	0.01599	0.01511	0.01525	0.01692	2.91E-05	1.3E-06	8.1E-05	1.8E-08	0.00011	3.57E-05	1.57563E-06	9.91E-05	1.01E-08	1.36E-04	3.15E-05	1.21E-06	0.000213	1.04E-08
5135	491363.09	3864377.25	0.01676	0.01646	0.01592	0.01757	3.06E-05	1.4E-06	8.5E-05	1.9E-08	0.00012	3.74E-05	1.7164E-06	0.000103	1.05E-08	1.43E-04	3.3E-05	1.32E-06	0.000223	1.08E-08
5136	491863.09	3864377.25	0.01208	0.0126	0.01256	0.00788	2.20E-05	1.1E-06	6.7E-05	8.4E-09	9E-05	2.70E-05	1.31389E-06	8.16E-05	4.7E-09	1.10E-04	2.38E-05	1.01E-06	0.000176	4.86E-09
5137	492363.09	3864377.25	0.01658	0.01646	0.01649	0.01519	3.02E-05	1.4E-06	8.8E-05	1.6E-08	0.00012	3.70E-05	1.7164E-06	0.000107	9.07E-09	1.46E-04	3.27E-05	1.32E-06	0.000231	9.37E-09
5138	492863.09	3864377.25	0.01412	0.0144	0.01476	0.01073	2.57E-05	1.2E-06	7.8E-05	1.1E-08	0.00011	3.15E-05	1.50159E-06	9.59E-05	6.4E-09	1.29E-04	2.78E-05	1.16E-06	0.000206	6.62E-09
5139	493363.09	3864377.25	0.01594	0.01636	0.01549	0.0142	2.91E-05	1.4E-06	8.2E-05	1.5E-08	0.00011	3.56E-05	1.70597E-06	0.000101	8.48E-09	1.38E-04	3.14E-05	1.31E-06	0.000217	8.76E-09
5140	493863.09	3864377.25	0.01687	0.01707	0.01625	0.01599	3.08E-05	1.5E-06	8.6E-05	1.7E-08	0.00012	3.77E-05	1.78001E-06	0.000106	9.54E-09	1.45E-04	3.32E-05	1.37E-06	0.000227	9.86E-09
5141	494363.09	3864377.25	0.01751	0.01795	0.01675	0.01889	3.19E-05	1.5E-06	8.9E-05	2E-08	0.00012	3.91E-05	1.87178E-06	0.000109	1.13E-08	1.50E-04	3.45E-05	1.44E-06	0.000234	1.16E-08
5142	494863.09	3864377.25	0.01744	0.01802	0.01679	0.01958	3.18E-05	1.5E-06	8.9E-05	2.1E-08	0.00012	3.90E-05	1.87907E-06	0.000109	1.17E-08	1.50E-04	3.43E-05	1.45E-06	0.000235	1.21E-08
5143	495363.09	3864377.25	0.01685	0.01746	0.01628	0.0188	3.07E-05	1.5E-06	8.6E-05	2E-08	0.00012	3.76E-05	1.82068E-06	0.000106	1.12E-08	1.45E-04	3.32E-05	1.4E-06	0.000228	1.16E-08
5144	495863.09	3864377.25	0.01615	0.01666	0.01552	0.01755	2.94E-05	1.4E-06	8.2E-05	1.9E-08	0.00011	3.61E-05	1.73726E-06	0.000101	1.05E-08	1.39E-04	3.18E-05	1.34E-06	0.000217	1.08E-08
5145	496363.09	3864377.25	0.01557	0.016	0.01485	0.01695	2.84E-05	1.4E-06	7.9E-05	1.8E-08	0.00011	3.48E-05	1.66843E-06	9.65E-05	1.01E-08	1.33E-04	3.07E-05	1.28E-06	0.000208	1.05E-08
5146	496863.09	3864377.25	0.01521	0.01568	0.01448	0.01672	2.77E-05	1.3E-06	7.7E-05	1.8E-08	0.00011	3.40E-05	1.63507E-06	9.41E-05	9.98E-09	1.30E-04	3E-05	1.26E-06	0.000203	1.03E-08
5147	497363.09	3864377.25	0.01491	0.01545	0.01422	0.01669	2.72E-05	1.3E-06	7.6E-05	1.8E-08	0.0001	3.33E-05	1.61108E-06	9.24E-05	9.96E-09	1.27E-04	2.94E-05	1.24E-06	0.000199	1.03E-08
5148	497863.09	3864377.25	0.01494	0.01556	0.01422	0.01677	2.72E-05	1.3E-06	7.6E-05	1.8E-08	0.0001	3.34E-05	1.62255E-06	9.24E-05	1E-08	1.27E-04	2.94E-05	1.25E-06	0.000199	1.03E-08
5149	498363.09	3864377.25	0.01473	0.01539	0.0139	0.01672	2.69E-05	1.3E-06	7.4E-05	1.8E-08	0.0001	3.29E-05	1.60483E-06	9.03E-05	9.98E-09	1.25E-04	2.9E-05	1.23E-06	0.000194	1.03E-08
5150	471363.09	3864877.25	0.00779	0.00803	0.00772	0.00764	1.42E-05	6.8E-07	4.1E-05	8.2E-09	5.6E-05	1.74E-05	8.37346E-07	5.01E-05	4.56E-09	6.84E-05	1.53E-05	6.44E-07	0.000108	4.71E-09
5151	471863.09	3864877.25	0.00798	0.00844	0.00785	0.00787	1.45E-05	7.2E-07	4.2E-05	8.4E-09	5.7E-05	1.78E-05	8.80099E-07	5.1E-05	4.7E-09	6.97E-05	1.57E-05	6.77E-07	0.00011	4.85E-09
5152	472363.09	3864877.25	0.00817	0.00874	0.00798	0.00811	1.49E-05	7.4E-07	4.2E-05	8.7E-09	5.8E-05	1.82E-05	9.11382E-07	5.18E-05	4.84E-09	7.10E-05	1.61E-05	7.01E-07	0.000112	5E-09
5153	472863.09	3864877.25	0.00836	0.00881	0.00812	0.00834	1.52E-05	7.5E-07	4.3E-05	8.9E-09	5.9E-05	1.87E-05	9.18682E-07	5.27E-05	4.98E-09	7.23E-05	1.65E-05	7.07E-07	0.000114	5.14E-09
5154	473363.09	3864877.25	0.00854	0.00865	0.00825	0.00855	1.56E-05	7.4E-07	4.4E-05	9.1E-09	6E-05	1.91E-05	9.01998E-07	5.36E-05	5.1E-09	7.36E-05	1.68E-05	6.94E-07	0.000115	5.27E-09
5155	473863.09	3864877.25	0.00875	0.0084	0.00841	0.00872	1.59E-05	7.1E-07	4.5E-05	9.3E-09	6.1E-05	1.95E-05	8.75928E-07	5.46E-05	5.2E-09	7.51E-05	1.72E-05	6.74E-07	0.000118	5.38E-09
5156	474363.09	3864877.25	0.00899	0.00827	0.00862	0.00884	1.64E-05	7E-07	4.6E-05	9.4E-09	6.3E-05	2.01E-05	8.62372E-07	5.6E-05	5.28E-09	7.69E-05	1.77E-05	6.63E-07	0.000121	5.45E-09
5157	474863.09	3864877.25	0.00926	0.00837	0.00887	0.00892	1.69E-05	7.1E-07	4.7E-05	9.5E-09	6.5E-05	2.07E-05	8.728E-07	5.76E-05	5.32E-09	7.92E-05	1.82E-05	6.71E-07	0.000124	5.5E-09
5158	475363.09	3864877.25	0.00957	0.00876	0.00918	0.00901	1.74E-05	7.5E-07	4.9E-05	9.6E-09	6.7E-05	2.14E-05	9.13468E-07	5.96E-05	5.38E-09	8.19E-05	1.88E-05	7.03E-07	0.000128	5.56E-09
5159	475863.09	3864877.25	0.00991	0.0093	0.00953	0.00919	1.81E-05	7.9E-07	5.1E-05	9.8E-09	7E-05	2.21E-05	9.69778E-07	6.19E-05	5.48E-09	8.50E-05	1.95E-05	7.46E-07	0.000133	5.67E-09
5160	476363.09	3864877.25	0.0103	0.00981	0.00996	0.0095	1.88E-05	8.3E-07	5.3E-05	1E-08	7.3E-05	2.30E-05	1.02296E-06	6.47E-05	5.67E-09	8.87E-05	2.03E-05	7.87E-07	0.000139	5.86E-09
5161	476863.09	3864877.25	0.01074	0.01017	0.01045	0.00994	1.96E-05	8.7E-07	5.6E-05	1.1E-08	7.6E-05	2.40E-05	1.0605E-06	6.79E-05	5.93E-09	9.29E-05	2.12E-05	8.16E-07	0.000146	6.13E-09
5162	477363.09	3864877.25	0.0111	0.01044	0.01082	0.01045	2.02E-05	8.9E-07	5.7E-05	1.1E-08	7.9E-05	2.48E-05	1.08865E-06	7.03E-05	6.24E-09	9.62E-05	2.19E-05	8.37E-07	0.000151	6.44E-09
5163	477863.09	3864877.25	0.0115	0.01091	0.01122	0.01092	2.10E-05	9.3E-07	6E-05	1.2E-08	8.2E-05	2.57E-05	1.13766E-06	7.29E-05	6.52E-09	9.97E-05	2.26E-05	8.75E-07	0.000157	6.73E-09
5164	478363.09	3864877.25	0.01191	0.01136	0.01169	0.01136	2.17E-05	9.7E-07	6.2E-05	1.2E-08	8.5E-05	2.66E-05	1.18459E-06	7.59E-05	6.78E-09	1.04E-04	2.35E-05	9.11E-07	0.000164	7E-09
5165	478863.09	3864877.25	0.01234	0.0116	0.01222	0.01186	2.25E-05	9.9E-07	6.5E-05	1.3E-08	8.8E-05	2.76E-05	1.20962E-06	7.94E-05	7.08E-09	1.08E-04	2.43E-05	9.31E-07	0.000171	7.31E-09
5166	479363.09	3864877.25	0.01278	0.0118	0.01278	0.01242	2.33E-05	1E-06	6.8E-05	1.3E-08	9.2E-05	2.85E-05	1.23047E-06	8.3E-05	7.41E-09	1.13E-04	2.52E-05	9.47E-07	0.000179	7.66E-09
5167	479863.09	3864877.25	0.01321	0.01197	0.01329	0.01302	2.41E-05	1E-06	7.1E-05	1.4E-08	9.6E-05	2.95E-05	1.2482E-06	8.63E-05	7.77E-09	1.17E-04	2.6E-05	9.6E-07	0.000186	8.03E-09
5168	480363.09	3864877.25	0.01363	0.01225	0.01372	0.01365	2.48E-05	1E-06	7.3E-05	1.5E-08	9.9E-05	3.04E-05	1.2774E-06	8.91E-05	8.15E-09	1.21E-04	2.68E-05	9.83E-07	0.000192	8.42E-09
5169	480863.09	3864877.25	0.01392	0.0127	0.01387	0.01416	2.54E-05	1.1E-06	7.4E-05	1.5E-08	0.0001	3.11E-05	1.32432E-06	9.01E-05	8.45E-09	1.23E-04	2.74E-05	1.02E-06	0.000194	8.73E-09
5170	481363.09	3864877.25	0.01427	0.01334	0.01408	0.01452	2.60E-05	1.1E-06	7.5E-05	1.5E-08	0.0001	3.19E-05	1.39106E-06	9.15E-05	8.67E-09	1.25E-04	2.81E-05	1.07E-06	0.000197	8.95E-09
5171	481863.09	3864877.25	0.0146	0.01386	0.0144	0.01487	2.66E-05	1.2E-06	7.7E-05	1.6E-08	0.0001	3.26E-05	1.44528E-06	9.35E-05	8.88E-09	1.28E-04	2.88E-05	1.11E-06	0.000201	9.17E-09
5172	482363.09	3864877.25	0.01492	0.01428	0.0147	0.0153	2.72E-05	1.2E-06	7.8E-05	1.6E-08	0.00011	3.33E-05	1.48908E-06	9.55E-05	9.13E-09	1.30E-04	2.94E-05	1.15E-06	0.000206	9.43E-09
5173	482863.09	3864877.25	0.01516	0.01463	0.0148	0.0157	2.76E-05	1.2E-06	7.9E-05	1.7E-08	0.00011	3.39E-05	1.52558E-06	9.61E-05	9.37E-09	1.32E-04	2.99E-05	1.17E-06	0.000207	9.68E-09
5174	483363.09	3864877.25	0.01532	0.01487	0.01483	0.01593	2.79E-05	1.3E-06	7.9E-05	1.7E-08	0.00011	3.42E-05	1.5506E-06	9.63E-05	9.51E-09	1.32E-04	3.02E-05	1.19E-06	0.000207	9.82E-09
5175	483863.09	3864877.25	0.01538	0.01429	0.01491	0.01603	2.80E-05	1.2E-06	7.9E-05	1.7E-08	0.00011	3.44E-05	1.49012E-06	9.68E-05	9.57E-09	1.33E-04	3.03E-05	1.15E-06	0.000209	9.88E-09
5176	484363.09	3864877.25	0.01545	0.01345	0.01511	0.01601	2.82E-05	1.1E-06	8E-05	1.7E-08	0.00011	3.45E-05	1.40253E-06	9.81E-05	9.56E-09	1.34E-04	3.04E-05	1.08E-06	0.000211	9.87E-09
5177	484863.09	3864877.25	0.0154	0.01362	0.01501	0.01586	2.81E-05	1.2E-06	8E-05	1.7E-08	0.00011	3.44E-05	1.42026E-06	9.75E-05	9.47E-09	1.33E-04	3.03E-05	1.09E-06	0.00021	9.78E-09
5178	485363.09	3864877.25	0.01532	0.01415	0.01468	0.01567	2.79E-05	1.2E-06	7.8E-05	1.7E-08	0.00011	3.42E-05	1.47552E-06	9.54E-05	9.35E-09	1.31E-04	3.02E-05	1.14E-06	0.000205	9.66E-09
5179	485863.09	3864877.25	0.01513	0.01374	0.01435	0.01544	2.76E-05	1.2E-06	7.6E-05	1.6E-08	0.00011	3.38E-05	1.43277E-06	9.32E-05	9.22E-09	1.28E-04	2.98E-05	1.1E-06	0.000201	9.52E-09
5180	486363.09	3864877.25	0.01497	0.01386	0.01405	0.01497	2.73E-05	1.2E-06	7.5E-05	1.6E-08	0.0001	3.34E-05	1.44528E-06	9.13E-05	8.93E-09	1.26E-04	2.95E-05	1.11E-06	0.000197	9.23E-09
5181	486863.09	3864877.25	0.01489	0.01415	0.01388	0.01458	2.71E-05	1.2E-06	7.4E-05	1.6E-08	0.0001	3.33E-05	1.47552E-06	9.02E-05	8.7E-09	1.25E-04	2.93E-05	1.14E-06	0.000194	8.99E-09

5182	487363.09	3864877.25	0.01481	0.01352	0.01393	0.01455	2.70E-05	1.2E-06	7.4E-05	1.6E-08	0.0001	3.31E-05	1.40983E-06	9.05E-05	8.68E-09	1.25E-04	2.92E-05	1.08E-06	0.000195	8.97E-09
5183	487863.09	3864877.25	0.01476	0.01268	0.01413	0.01459	2.69E-05	1.1E-06	7.5E-05	1.6E-08	0.0001	3.30E-05	1.32223E-06	9.18E-05	8.71E-09	1.26E-04	2.91E-05	1.02E-06	0.000198	9E-09
5184	488363.09	3864877.25	0.01476	0.01277	0.01426	0.0147	2.69E-05	1.1E-06	7.6E-05	1.6E-08	0.0001	3.30E-05	1.33162E-06	9.26E-05	8.77E-09	1.27E-04	2.91E-05	1.02E-06	0.000199	9.06E-09
5185	488863.09	3864877.25	0.01471	0.01337	0.01417	0.01501	2.68E-05	1.1E-06	7.5E-05	1.6E-08	0.0001	3.29E-05	1.39419E-06	9.2E-05	8.96E-09	1.26E-04	2.9E-05	1.07E-06	0.000198	9.25E-09
5186	489363.09	3864877.25	0.01457	0.01391	0.01382	0.0151	2.66E-05	1.2E-06	7.3E-05	1.6E-08	0.0001	3.25E-05	1.4505E-06	8.98E-05	9.01E-09	1.24E-04	2.87E-05	1.12E-06	0.000193	9.31E-09
5187	489863.09	3864877.25	0.01441	0.01388	0.01352	0.01484	2.63E-05	1.2E-06	7.2E-05	1.6E-08	9.9E-05	3.22E-05	1.44737E-06	8.78E-05	8.86E-09	1.21E-04	2.84E-05	1.11E-06	0.000189	9.15E-09
5188	490363.09	3864877.25	0.01438	0.01369	0.01355	0.0147	2.62E-05	1.2E-06	7.2E-05	1.6E-08	9.9E-05	3.21E-05	1.42755E-06	8.8E-05	8.77E-09	1.22E-04	2.83E-05	1.1E-06	0.00019	9.06E-09
5189	490863.09	3864877.25	0.01511	0.01436	0.0146	0.01487	2.75E-05	1.2E-06	7.8E-05	1.6E-08	0.00011	3.38E-05	1.49742E-06	9.48E-05	8.88E-09	1.30E-04	2.98E-05	1.15E-06	0.000204	9.17E-09
5190	491363.09	3864877.25	0.01513	0.01454	0.01451	0.01563	2.76E-05	1.2E-06	7.7E-05	1.7E-08	0.00011	3.38E-05	1.51619E-06	9.42E-05	9.33E-09	1.30E-04	2.98E-05	1.17E-06	0.000203	9.64E-09
5191	491863.09	3864877.25	0.01541	0.01535	0.01476	0.01512	2.81E-05	1.3E-06	7.8E-05	1.6E-08	0.00011	3.44E-05	1.60065E-06	9.59E-05	9.02E-09	1.32E-04	3.03E-05	1.23E-06	0.000206	9.32E-09
5192	492363.09	3864877.25	0.00752	0.00739	0.00793	0.00465	1.37E-05	6.3E-07	4.2E-05	5E-09	5.6E-05	1.68E-05	7.70608E-07	5.15E-05	2.78E-09	6.91E-05	1.48E-05	5.93E-07	0.000111	2.87E-09
5193	492863.09	3864877.25	0.01029	0.0102	0.01097	0.00676	1.88E-05	8.7E-07	5.8E-05	7.2E-09	7.8E-05	2.30E-05	1.06363E-06	7.13E-05	4.03E-09	9.53E-05	2.03E-05	8.18E-07	0.000153	4.17E-09
5194	493363.09	3864877.25	0.00979	0.00975	0.01041	0.00669	1.78E-05	8.3E-07	5.5E-05	7.1E-09	7.4E-05	2.19E-05	1.0167E-06	6.76E-05	3.99E-09	9.05E-05	1.93E-05	7.82E-07	0.000146	4.12E-09
5195	493863.09	3864877.25	0.01458	0.01483	0.01411	0.01321	2.66E-05	1.3E-06	7.5E-05	1.4E-08	0.0001	3.26E-05	1.54643E-06	9.16E-05	7.88E-09	1.26E-04	2.87E-05	1.19E-06	0.000197	8.14E-09
5196	494363.09	3864877.25	0.01533	0.01552	0.01474	0.01477	2.79E-05	1.3E-06	7.8E-05	1.6E-08	0.00011	3.42E-05	1.61838E-06	9.57E-05	8.82E-09	1.32E-04	3.02E-05	1.24E-06	0.000206	9.11E-09
5197	494863.09	3864877.25	0.01581	0.01619	0.01516	0.01703	2.88E-05	1.4E-06	8.1E-05	1.8E-08	0.00011	3.53E-05	1.68825E-06	9.85E-05	1.02E-08	1.35E-04	3.11E-05	1.3E-06	0.000212	1.05E-08
5198	495363.09	3864877.25	0.01581	0.01632	0.01526	0.01762	2.88E-05	1.4E-06	8.1E-05	1.9E-08	0.00011	3.53E-05	1.7018E-06	9.91E-05	1.05E-08	1.36E-04	3.11E-05	1.31E-06	0.000213	1.09E-08
5199	495863.09	3864877.25	0.01526	0.0158	0.01479	0.01699	2.78E-05	1.3E-06	7.9E-05	1.8E-08	0.00011	3.41E-05	1.64758E-06	9.61E-05	1.01E-08	1.32E-04	3.01E-05	1.27E-06	0.000207	1.05E-08
5200	496363.09	3864877.25	0.01473	0.01521	0.01423	0.01597	2.69E-05	1.3E-06	7.6E-05	1.7E-08	0.0001	3.29E-05	1.58606E-06	9.24E-05	9.53E-09	1.27E-04	2.9E-05	1.22E-06	0.000199	9.85E-09
5201	496863.09	3864877.25	0.01421	0.0146	0.01363	0.01512	2.59E-05	1.2E-06	7.2E-05	1.6E-08	1E-04	3.17E-05	1.52245E-06	8.85E-05	9.02E-09	1.22E-04	2.8E-05	1.17E-06	0.000191	9.32E-09
5202	497363.09	3864877.25	0.01383	0.01423	0.01322	0.01504	2.52E-05	1.2E-06	7E-05	1.6E-08	9.7E-05	3.09E-05	1.48386E-06	8.59E-05	8.98E-09	1.18E-04	2.72E-05	1.14E-06	0.000185	9.27E-09
5203	497863.09	3864877.25	0.01365	0.01413	0.01307	0.01503	2.49E-05	1.2E-06	6.9E-05	1.6E-08	9.6E-05	3.05E-05	1.47344E-06	8.49E-05	8.97E-09	1.17E-04	2.69E-05	1.13E-06	0.000183	9.27E-09
5204	498363.09	3864877.25	0.01346	0.014	0.0129	0.01505	2.45E-05	1.2E-06	6.9E-05	1.6E-08	9.4E-05	3.01E-05	1.45988E-06	8.38E-05	8.98E-09	1.15E-04	2.65E-05	1.12E-06	0.00018	9.28E-09
5205	471363.09	3865377.25	0.00738	0.0079	0.00721	0.00735	1.35E-05	6.7E-07	3.8E-05	7.8E-09	5.2E-05	1.65E-05	8.2379E-07	4.68E-05	4.39E-09	6.41E-05	1.45E-05	6.34E-07	0.000101	4.53E-09
5206	471863.09	3865377.25	0.00755	0.00802	0.00733	0.00754	1.38E-05	6.8E-07	3.9E-05	8E-09	5.3E-05	1.69E-05	8.36303E-07	4.76E-05	4.5E-09	6.53E-05	1.49E-05	6.43E-07	0.000103	4.65E-09
5207	472363.09	3865377.25	0.00772	0.00794	0.00746	0.00771	1.41E-05	6.8E-07	4E-05	8.2E-09	5.4E-05	1.72E-05	8.27961E-07	4.85E-05	4.6E-09	6.65E-05	1.52E-05	6.37E-07	0.000104	4.75E-09
5208	472863.09	3865377.25	0.00791	0.00774	0.00763	0.00785	1.44E-05	6.6E-07	4.1E-05	8.4E-09	5.6E-05	1.77E-05	8.07105E-07	4.96E-05	4.69E-09	6.80E-05	1.56E-05	6.21E-07	0.000107	4.84E-09
5209	473363.09	3865377.25	0.00807	0.00748	0.00776	0.00796	1.47E-05	6.4E-07	4.1E-05	8.5E-09	5.7E-05	1.80E-05	7.79993E-07	5.04E-05	4.75E-09	6.92E-05	1.59E-05	6E-07	0.000109	4.91E-09
5210	473863.09	3865377.25	0.00827	0.0074	0.00794	0.00803	1.51E-05	6.3E-07	4.2E-05	8.6E-09	5.8E-05	1.85E-05	7.71651E-07	5.16E-05	4.79E-09	7.08E-05	1.63E-05	5.94E-07	0.000111	4.95E-09
5211	474363.09	3865377.25	0.0085	0.00758	0.00817	0.00809	1.55E-05	6.5E-07	4.3E-05	8.6E-09	6E-05	1.90E-05	7.90421E-07	5.31E-05	4.83E-09	7.28E-05	1.67E-05	6.08E-07	0.000114	4.99E-09
5212	474863.09	3865377.25	0.00878	0.00803	0.00845	0.00819	1.60E-05	6.8E-07	4.5E-05	8.7E-09	6.2E-05	1.96E-05	8.37346E-07	5.49E-05	4.89E-09	7.53E-05	1.73E-05	6.44E-07	0.000118	5.05E-09
5213	475363.09	3865377.25	0.00906	0.00855	0.00873	0.00837	1.65E-05	7.3E-07	4.6E-05	8.9E-09	6.4E-05	2.02E-05	8.9157E-07	5.67E-05	5E-09	7.78E-05	1.78E-05	6.86E-07	0.000122	5.16E-09
5214	475863.09	3865377.25	0.0094	0.00903	0.0091	0.00867	1.71E-05	7.7E-07	4.8E-05	9.2E-09	6.6E-05	2.10E-05	9.41623E-07	5.91E-05	5.17E-09	8.11E-05	1.85E-05	7.24E-07	0.000127	5.35E-09
5215	476363.09	3865377.25	0.00988	0.00944	0.00963	0.00904	1.80E-05	8E-07	5.1E-05	9.6E-09	7E-05	2.21E-05	9.84377E-07	6.25E-05	5.4E-09	8.56E-05	1.95E-05	7.57E-07	0.000135	5.57E-09
5216	476863.09	3865377.25	0.01024	0.00975	0.01008	0.00913	1.87E-05	8.3E-07	5.4E-05	9.7E-09	7.3E-05	2.29E-05	1.0167E-06	6.55E-05	5.45E-09	8.94E-05	2.02E-05	7.82E-07	0.000141	5.63E-09
5217	477363.09	3865377.25	0.01058	0.00998	0.01034	0.00995	1.93E-05	8.5E-07	5.5E-05	1.1E-08	7.5E-05	2.36E-05	1.04069E-06	6.72E-05	5.94E-09	9.18E-05	2.08E-05	8.01E-07	0.000145	6.13E-09
5218	477863.09	3865377.25	0.01084	0.01024	0.01061	0.0103	1.98E-05	8.7E-07	5.6E-05	1.1E-08	7.7E-05	2.42E-05	1.0678E-06	6.89E-05	6.15E-09	9.42E-05	2.13E-05	8.21E-07	0.000148	6.35E-09
5219	478363.09	3865377.25	0.01123	0.01051	0.01109	0.0107	2.05E-05	8.9E-07	5.9E-05	1.1E-08	8E-05	2.51E-05	1.09595E-06	7.2E-05	6.39E-09	9.82E-05	2.21E-05	8.43E-07	0.000155	6.6E-09
5220	478863.09	3865377.25	0.01159	0.01072	0.01155	0.01116	2.11E-05	9.1E-07	6.1E-05	1.2E-08	8.3E-05	2.59E-05	1.11785E-06	7.5E-05	6.66E-09	1.02E-04	2.28E-05	8.6E-07	0.000162	6.88E-09
5221	479363.09	3865377.25	0.01195	0.01099	0.01201	0.01167	2.18E-05	9.4E-07	6.4E-05	1.2E-08	8.7E-05	2.67E-05	1.14601E-06	7.8E-05	6.97E-09	1.06E-04	2.35E-05	8.82E-07	0.000168	7.2E-09
5222	479863.09	3865377.25	0.01234	0.01126	0.01243	0.01224	2.25E-05	9.6E-07	6.6E-05	1.3E-08	9E-05	2.76E-05	1.17416E-06	8.07E-05	7.31E-09	1.09E-04	2.43E-05	9.03E-07	0.000174	7.55E-09
5223	480363.09	3865377.25	0.01259	0.01142	0.01261	0.01276	2.29E-05	9.7E-07	6.7E-05	1.4E-08	9.1E-05	2.81E-05	1.19085E-06	8.19E-05	7.62E-09	1.11E-04	2.48E-05	9.16E-07	0.000176	7.87E-09
5224	480863.09	3865377.25	0.01284	0.01172	0.01272	0.01313	2.34E-05	1E-06	6.8E-05	1.4E-08	9.2E-05	2.87E-05	1.22213E-06	8.26E-05	7.84E-09	1.13E-04	2.53E-05	9.4E-07	0.000178	8.1E-09
5225	481363.09	3865377.25	0.01315	0.01226	0.01295	0.01338	2.40E-05	1E-06	6.9E-05	1.4E-08	9.4E-05	2.94E-05	1.27844E-06	8.41E-05	7.99E-09	1.15E-04	2.59E-05	9.83E-07	0.000181	8.25E-09
5226	481863.09	3865377.25	0.01343	0.01288	0.01322	0.01363	2.45E-05	1.1E-06	7E-05	1.5E-08	9.6E-05	3.00E-05	1.34309E-06	8.59E-05	8.13E-09	1.17E-04	2.64E-05	1.03E-06	0.000185	8.4E-09
5227	482363.09	3865377.25	0.01368	0.01321	0.01341	0.01398	2.49E-05	1.1E-06	7.1E-05	1.5E-08	9.7E-05	3.06E-05	1.3775E-06	8.71E-05	8.34E-09	1.19E-04	2.69E-05	1.06E-06	0.000188	8.62E-09
5228	482863.09	3865377.25	0.01385	0.01337	0.01345	0.01432	2.52E-05	1.1E-06	7.1E-05	1.5E-08	9.8E-05	3.09E-05	1.39419E-06	8.74E-05	8.55E-09	1.20E-04	2.73E-05	1.07E-06	0.000188	8.83E-09
5229	483363.09	3865377.25	0.01396	0.01333	0.01349	0.01447	2.54E-05	1.1E-06	7.2E-05	1.5E-08	9.8E-05	3.12E-05	1.39001E-06	8.76E-05	8.64E-09	1.20E-04	2.75E-05	1.07E-06	0.000189	8.92E-09
5230	483863.09	3865377.25	0.01403	0.01264	0.01364	0.01448	2.56E-05	1.1E-06	7.2E-05	1.5E-08	9.9E-05	3.13E-05	1.31806E-06	8.86E-05	8.64E-09	1.21E-04	2.76E-05	1.01E-06	0.000191	8.93E-09
5231	484363.09	3865377.25	0.01409	0.01224	0.01382	0.01442	2.57E-05	1E-06	7.3E-05	1.5E-08	0.0001	3.15E-05	1.27635E-06	8.98E-05	8.61E-09	1.23E-04	2.77E-05	9.82E-07	0.000193	8.89E-09
5232	484863.09	3865377.25	0.01407	0.01266	0.01373	0.01433	2.56E-05	1.1E-06	7.3E-05	1.5E-08	1E-04	3.14E-05	1.32015E-06	8.92E-05	8.55E-09	1.22E-04	2.77E-05	1.02E-06	0.000192	8.84E-09
5233	485363.09	3865377.25	0.01396	0.01279	0.01342	0.01426	2.54E-05	1.1E-06	7.1E-05	1.5E-08	9.8E-05	3.12E-05	1.33371E-06	8.72E-05	8.51E-09	1.20E-04	2.75E-05	1.03E-06	0.000188	8.79E-09
5234	485863.09	3865377.25	0.01377	0.01235	0.01313	0.01399	2.51E-05	1.1E-06	7E-05	1.5E-08	9.6E-05	3.08E-05	1.28782E-06	8.53E-05	8.35E-09	1.17E-04	2.71E-05	9.91E-07	0.000184	8.63E-09
5235	486363.09	3865377.25	0.01366	0.01257	0.01286	0.0135	2.49E-05	1.1E-06	6.8E-05	1.4E-08	9.4E-05	3.05E-05	1.31076E-06	8.35E-05	8.06E-09	1.15E-04	2.69E-05	1.01E-06	0.00018	8.32E-09
5236	486863.09	3865377.25	0.01357	0.01282	0.01267	0.01316	2.47E-05	1.1E-06	6.7E-05	1.4E-08	9.3E-05	3.03E-05	1.33683E-06	8.23E-05	7.85E-09	1.14E-04	2.67E-05	1.03E-06	0.000177	8.11E-09
5237	487363.09	3865377.25	0.01349	0.01235	0.0127	0.01309	2.46E-05	1.1E-06	6.7E-05	1.4E-08	9.3E-05	3.01E-05	1.28782E-06	8.25E-05	7.81E-09	1.14E-04	2.66E-05	9.91E-07	0.000178	8.07E-09
5238	487863.09	3865377.25	0.01347	0.01162	0.01292	0.01313	2.46E-05	9.9E-07	6.9E-05	1.4E-08	9.4E-05	3.01E-05	1.2117E-06	8.39E-05	7.84E-09	1.15E-04	2.65E-05	9.32E-07	0.000181	8.1E-09
5239	488363.09	3865377.25	0.01351	0.01163	0.01309	0.01328	2.46E-05	9.9E-07	7E-05	1.4E-08	9.5E-05	3.02E-05	1.21274E-06	8.5E-05	7.93E-09	1.16E-04	2.66E-05	9.33E-07	0.000183	8.19E-09
5240	488863.09	3865377.25	0.01351	0.01209	0.01309	0.0136	2.46E-05	1E-06	7E-05	1.5E-08	9.5E-05	3.02E-05	1.26071E-06	8.5E-05	8.12E-09	1.16E-04	2.66E-05	9.7E-07	0.000183	8.39E-09
5241	489363.09	3865377.25	0.01344	0.01263	0.01286	0.01377	2.45E-05	1.1E-06	6.8E-05	1.5E-08	9.4E-05	3.00E-05	1.31702E-06	8.35E-05	8.22E-09	1.15E-04	2.65E-05	1.01E-06	0.00018	8.49E-09
5242	489863.09	3865377.25	0.01338	0.01281	0.01263	0.01364	2.44E-05	1.1E-06	6.7E-05	1.5E-08	9.3E-05	2.99E-05	1.33579E-06	8.2E-05	8.14E-09	1.13E-04	2.64E-05	1.03E-06	0.000177	8.41E-09

5243	490363.09	3865377.25	0.01373	0.01323	0.01299	0.01307	2.50E-05	1.1E-06	6.9E-05	1.4E-08	9.5E-05	3.07E-05	1.37959E-06	8.44E-05	7.8E-09	1.16E-04	2.7E-05	1.06E-06	0.000182	8.06E-09
5244	490863.09	3865377.25	0.01369	0.0131	0.0132	0.01302	2.50E-05	1.1E-06	7E-05	1.4E-08	9.6E-05	3.06E-05	1.36603E-06	8.57E-05	7.77E-09	1.18E-04	2.7E-05	1.05E-06	0.000185	8.03E-09
5245	491363.09	3865377.25	0.01374	0.01318	0.01347	0.01333	2.50E-05	1.1E-06	7.2E-05	1.4E-08	9.8E-05	3.07E-05	1.37437E-06	8.75E-05	7.96E-09	1.20E-04	2.71E-05	1.06E-06	0.000188	8.22E-09
5246	491863.09	3865377.25	0.01391	0.01371	0.01348	0.01366	2.54E-05	1.2E-06	7.2E-05	1.5E-08	9.8E-05	3.11E-05	1.42964E-06	8.76E-05	8.15E-09	1.20E-04	2.74E-05	1.1E-06	0.000189	8.42E-09
5247	492363.09	3865377.25	0.01292	0.01342	0.01272	0.0108	2.36E-05	1.1E-06	6.8E-05	1.2E-08	9.2E-05	2.89E-05	1.3994E-06	8.26E-05	6.45E-09	1.13E-04	2.54E-05	1.08E-06	0.000178	6.66E-09
5248	492863.09	3865377.25	0.01099	0.01104	0.01141	0.00765	2.00E-05	9.4E-07	6.1E-05	8.2E-09	8.2E-05	2.45E-05	1.15122E-06	7.41E-05	4.57E-09	9.98E-05	2.16E-05	8.86E-07	0.00016	4.72E-09
5249	493363.09	3865377.25	0.00913	0.00903	0.00969	0.00606	1.66E-05	7.7E-07	5.1E-05	6.5E-09	6.9E-05	2.04E-05	9.41623E-07	6.29E-05	3.62E-09	8.43E-05	1.8E-05	7.24E-07	0.000136	3.74E-09
5250	493863.09	3865377.25	0.01232	0.01256	0.01266	0.01012	2.25E-05	1.1E-06	6.7E-05	1.1E-08	9.1E-05	2.75E-05	1.30972E-06	8.22E-05	6.04E-09	1.11E-04	2.43E-05	1.01E-06	0.000177	6.24E-09
5251	494363.09	3865377.25	0.01337	0.01349	0.01291	0.01222	2.44E-05	1.1E-06	6.9E-05	1.3E-08	9.4E-05	2.99E-05	1.4067E-06	8.39E-05	7.29E-09	1.15E-04	2.63E-05	1.08E-06	0.000181	7.53E-09
5252	494863.09	3865377.25	0.0139	0.01401	0.01342	0.01328	2.53E-05	1.2E-06	7.1E-05	1.4E-08	9.8E-05	3.10E-05	1.46092E-06	8.72E-05	7.93E-09	1.20E-04	2.74E-05	1.12E-06	0.000188	8.19E-09
5253	495363.09	3865377.25	0.01439	0.0147	0.01383	0.01537	2.62E-05	1.3E-06	7.3E-05	1.6E-08	0.0001	3.21E-05	1.53287E-06	8.98E-05	9.17E-09	1.24E-04	2.83E-05	1.18E-06	0.000193	9.48E-09
5254	495863.09	3865377.25	0.01438	0.01484	0.01391	0.016	2.62E-05	1.3E-06	7.4E-05	1.7E-08	0.0001	3.21E-05	1.54747E-06	9.03E-05	9.55E-09	1.24E-04	2.83E-05	1.19E-06	0.000195	9.87E-09
5255	496363.09	3865377.25	0.01409	0.01459	0.01369	0.01551	2.57E-05	1.2E-06	7.3E-05	1.7E-08	1E-04	3.15E-05	1.5214E-06	8.89E-05	9.26E-09	1.22E-04	2.77E-05	1.17E-06	0.000192	9.56E-09
5256	496863.09	3865377.25	0.01354	0.01402	0.01317	0.01449	2.47E-05	1.2E-06	7E-05	1.5E-08	9.6E-05	3.02E-05	1.46197E-06	8.55E-05	8.65E-09	1.17E-04	2.67E-05	1.12E-06	0.000184	8.93E-09
5257	497363.09	3865377.25	0.01303	0.01339	0.01256	0.01375	2.38E-05	1.1E-06	6.7E-05	1.5E-08	9.2E-05	2.91E-05	1.39627E-06	8.16E-05	8.21E-09	1.12E-04	2.57E-05	1.07E-06	0.000176	8.48E-09
5258	497863.09	3865377.25	0.01268	0.01302	0.01215	0.01349	2.31E-05	1.1E-06	6.5E-05	1.4E-08	8.9E-05	2.83E-05	1.35769E-06	7.89E-05	8.05E-09	1.09E-04	2.5E-05	1.04E-06	0.00017	8.32E-09
5259	498363.09	3865377.25	0.01255	0.01293	0.01202	0.01348	2.29E-05	1.1E-06	6.4E-05	1.4E-08	8.8E-05	2.80E-05	1.3483E-06	7.81E-05	8.05E-09	1.07E-04	2.47E-05	1.04E-06	0.000168	8.31E-09
5260	471363.09	3865877.25	0.00701	0.00729	0.00677	0.00699	1.28E-05	6.2E-07	3.6E-05	7.5E-09	4.9E-05	1.57E-05	7.60181E-07	4.4E-05	4.17E-09	6.04E-05	1.38E-05	5.85E-07	9.47E-05	4.31E-09
5261	471863.09	3865877.25	0.00716	0.00712	0.0069	0.0071	1.31E-05	6.1E-07	3.7E-05	7.6E-09	5E-05	1.60E-05	7.42453E-07	4.48E-05	4.24E-09	6.16E-05	1.41E-05	5.71E-07	9.65E-05	4.38E-09
5262	472363.09	3865877.25	0.00735	0.00693	0.00708	0.00719	1.34E-05	5.9E-07	3.8E-05	7.7E-09	5.2E-05	1.64E-05	7.22641E-07	4.6E-05	4.29E-09	6.31E-05	1.45E-05	5.56E-07	9.9E-05	4.43E-09
5263	472863.09	3865877.25	0.00747	0.00673	0.0072	0.00727	1.36E-05	5.7E-07	3.8E-05	7.8E-09	5.2E-05	1.67E-05	7.01785E-07	4.68E-05	4.34E-09	6.42E-05	1.47E-05	5.4E-07	0.000101	4.48E-09
5264	473363.09	3865877.25	0.00764	0.00673	0.00736	0.00732	1.39E-05	5.7E-07	3.9E-05	7.8E-09	5.4E-05	1.71E-05	7.01785E-07	4.78E-05	4.37E-09	6.56E-05	1.5E-05	5.4E-07	0.000103	4.51E-09
5265	473863.09	3865877.25	0.00785	0.00697	0.00757	0.00738	1.43E-05	5.9E-07	4E-05	7.9E-09	5.5E-05	1.75E-05	7.26812E-07	4.92E-05	4.4E-09	6.74E-05	1.55E-05	5.59E-07	0.000106	4.55E-09
5266	474363.09	3865877.25	0.00808	0.00741	0.00779	0.00749	1.47E-05	6.3E-07	4.1E-05	8E-09	5.7E-05	1.80E-05	7.72694E-07	5.06E-05	4.47E-09	6.94E-05	1.59E-05	5.94E-07	0.000109	4.62E-09
5267	474863.09	3865877.25	0.00836	0.00794	0.00807	0.00769	1.52E-05	6.8E-07	4.3E-05	8.2E-09	5.9E-05	1.87E-05	8.27961E-07	5.24E-05	4.59E-09	7.19E-05	1.65E-05	6.37E-07	0.000113	4.74E-09
5268	475363.09	3865877.25	0.00864	0.00835	0.00837	0.00797	1.57E-05	7.1E-07	4.4E-05	8.5E-09	6.1E-05	1.93E-05	8.70714E-07	5.44E-05	4.76E-09	7.45E-05	1.7E-05	6.7E-07	0.000117	4.91E-09
5269	475863.09	3865877.25	0.00895	0.0086	0.00872	0.00834	1.63E-05	7.3E-07	4.6E-05	8.9E-09	6.3E-05	2.00E-05	8.96784E-07	5.66E-05	4.98E-09	7.75E-05	1.76E-05	6.9E-07	0.000122	5.14E-09
5270	476363.09	3865877.25	0.00942	0.00893	0.00924	0.00867	1.72E-05	7.6E-07	4.9E-05	9.2E-09	6.7E-05	2.10E-05	9.31195E-07	6E-05	5.17E-09	8.20E-05	1.86E-05	7.16E-07	0.000129	5.35E-09
5271	476863.09	3865877.25	0.00972	0.00915	0.00957	0.00871	1.77E-05	7.8E-07	5.1E-05	9.3E-09	6.9E-05	2.17E-05	9.54136E-07	6.22E-05	5.2E-09	8.48E-05	1.91E-05	7.34E-07	0.000134	5.37E-09
5272	477363.09	3865877.25	0.01009	0.00945	0.00988	0.00938	1.84E-05	8E-07	5.2E-05	1E-08	7.2E-05	2.25E-05	9.85419E-07	6.42E-05	5.6E-09	8.77E-05	1.99E-05	7.58E-07	0.000138	5.78E-09
5273	477863.09	3865877.25	0.0103	0.00956	0.01014	0.00973	1.88E-05	8.1E-07	5.4E-05	1E-08	7.3E-05	2.30E-05	9.9689E-07	6.59E-05	5.81E-09	8.99E-05	2.03E-05	7.67E-07	0.000142	6E-09
5274	478363.09	3865877.25	0.01061	0.0098	0.01055	0.01011	1.93E-05	8.3E-07	5.6E-05	1.1E-08	7.6E-05	2.37E-05	1.02192E-06	6.85E-05	6.03E-09	9.33E-05	2.09E-05	7.86E-07	0.000148	6.23E-09
5275	478863.09	3865877.25	0.01093	0.01012	0.01095	0.01054	1.99E-05	8.6E-07	5.8E-05	1.1E-08	7.9E-05	2.44E-05	1.05528E-06	7.11E-05	6.29E-09	9.66E-05	2.15E-05	8.12E-07	0.000153	6.5E-09
5276	479363.09	3865877.25	0.01124	0.01042	0.01131	0.01103	2.05E-05	8.9E-07	6E-05	1.2E-08	8.1E-05	2.51E-05	1.08657E-06	7.35E-05	6.58E-09	9.97E-05	2.21E-05	8.36E-07	0.000158	6.8E-09
5277	479863.09	3865877.25	0.01149	0.01053	0.01154	0.01153	2.09E-05	9E-07	6.1E-05	1.2E-08	8.3E-05	2.57E-05	1.09804E-06	7.5E-05	6.88E-09	1.02E-04	2.26E-05	8.45E-07	0.000161	7.11E-09
5278	480363.09	3865877.25	0.01171	0.01055	0.01166	0.01194	2.13E-05	9E-07	6.2E-05	1.3E-08	8.4E-05	2.62E-05	1.10012E-06	7.57E-05	7.13E-09	1.03E-04	2.31E-05	8.46E-07	0.000163	7.36E-09
5279	480863.09	3865877.25	0.01194	0.01083	0.01178	0.01219	2.18E-05	9.2E-07	6.3E-05	1.3E-08	8.5E-05	2.67E-05	1.12932E-06	7.65E-05	7.28E-09	1.04E-04	2.35E-05	8.69E-07	0.000165	7.52E-09
5280	481363.09	3865877.25	0.01217	0.01148	0.01196	0.01231	2.22E-05	9.8E-07	6.4E-05	1.3E-08	8.7E-05	2.72E-05	1.1971E-06	7.77E-05	7.35E-09	1.06E-04	2.4E-05	9.21E-07	0.000167	7.59E-09
5281	481863.09	3865877.25	0.01241	0.01207	0.01217	0.01252	2.26E-05	1E-06	6.5E-05	1.3E-08	8.8E-05	2.77E-05	1.25863E-06	7.9E-05	7.47E-09	1.08E-04	2.44E-05	9.68E-07	0.00017	7.72E-09
5282	482363.09	3865877.25	0.01259	0.01219	0.0123	0.01286	2.29E-05	1E-06	6.5E-05	1.4E-08	8.9E-05	2.81E-05	1.27114E-06	7.99E-05	7.68E-09	1.09E-04	2.48E-05	9.78E-07	0.000172	7.93E-09
5283	482863.09	3865877.25	0.01271	0.01222	0.0123	0.01313	2.32E-05	1E-06	6.5E-05	1.4E-08	9E-05	2.84E-05	1.27427E-06	7.99E-05	7.84E-09	1.10E-04	2.5E-05	9.8E-07	0.000172	8.1E-09
5284	483363.09	3865877.25	0.01281	0.01194	0.01239	0.01317	2.34E-05	1E-06	6.6E-05	1.4E-08	9E-05	2.86E-05	1.24507E-06	8.05E-05	7.86E-09	1.10E-04	2.52E-05	9.58E-07	0.000173	8.12E-09
5285	483863.09	3865877.25	0.01291	0.01136	0.0126	0.01315	2.35E-05	9.7E-07	6.7E-05	1.4E-08	9.1E-05	2.88E-05	1.18459E-06	8.18E-05	7.85E-09	1.12E-04	2.54E-05	9.11E-07	0.000176	8.11E-09
5286	484363.09	3865877.25	0.01299	0.01139	0.01277	0.0131	2.37E-05	9.7E-07	6.8E-05	1.4E-08	9.3E-05	2.90E-05	1.18772E-06	8.29E-05	7.82E-09	1.13E-04	2.56E-05	9.14E-07	0.000179	8.08E-09
5287	484863.09	3865877.25	0.01291	0.01175	0.01261	0.01307	2.35E-05	1E-06	6.7E-05	1.4E-08	9.2E-05	2.88E-05	1.22526E-06	8.19E-05	7.8E-09	1.12E-04	2.54E-05	9.43E-07	0.000176	8.06E-09
5288	485363.09	3865877.25	0.01277	0.01156	0.01232	0.01304	2.33E-05	9.8E-07	6.5E-05	1.4E-08	9E-05	2.85E-05	1.20544E-06	8E-05	7.78E-09	1.10E-04	2.52E-05	9.27E-07	0.000172	8.04E-09
5289	485863.09	3865877.25	0.01262	0.0112	0.01207	0.01272	2.30E-05	9.5E-07	6.4E-05	1.4E-08	8.8E-05	2.82E-05	1.1679E-06	7.84E-05	7.59E-09	1.08E-04	2.49E-05	8.98E-07	0.000169	7.84E-09
5290	486363.09	3865877.25	0.01251	0.01143	0.0118	0.01223	2.28E-05	9.7E-07	6.3E-05	1.3E-08	8.6E-05	2.79E-05	1.19189E-06	7.66E-05	7.3E-09	1.06E-04	2.46E-05	9.17E-07	0.000165	7.54E-09
5291	486863.09	3865877.25	0.01243	0.01165	0.01162	0.01195	2.27E-05	9.9E-07	6.2E-05	1.3E-08	8.5E-05	2.78E-05	1.21483E-06	7.55E-05	7.13E-09	1.04E-04	2.45E-05	9.35E-07	0.000163	7.37E-09
5292	487363.09	3865877.25	0.01235	0.01132	0.01164	0.01185	2.25E-05	9.6E-07	6.2E-05	1.3E-08	8.5E-05	2.76E-05	1.18042E-06	7.56E-05	7.07E-09	1.04E-04	2.43E-05	9.08E-07	0.000163	7.31E-09
5293	487863.09	3865877.25	0.0124	0.01075	0.0119	0.0119	2.26E-05	9.1E-07	6.3E-05	1.3E-08	8.7E-05	2.77E-05	1.12098E-06	7.73E-05	7.1E-09	1.06E-04	2.44E-05	8.62E-07	0.000166	7.34E-09
5294	488363.09	3865877.25	0.01242	0.01067	0.01206	0.01206	2.26E-05	9.1E-07	6.4E-05	1.3E-08	8.8E-05	2.77E-05	1.11264E-06	7.83E-05	7.2E-09	1.07E-04	2.45E-05	8.56E-07	0.000169	7.44E-09
5295	488863.09	3865877.25	0.01248	0.01104	0.01216	0.01239	2.27E-05	9.4E-07	6.5E-05	1.3E-08	8.8E-05	2.79E-05	1.15122E-06	7.9E-05	7.39E-09	1.08E-04	2.46E-05	8.86E-07	0.00017	7.64E-09
5296	489363.09	3865877.25	0.01249	0.01158	0.01206	0.01262	2.28E-05	9.9E-07	6.4E-05	1.3E-08	8.8E-05	2.79E-05	1.20753E-06	7.83E-05	7.53E-09	1.07E-04	2.46E-05	9.29E-07	0.000169	7.78E-09
5297	489863.09	3865877.25	0.01241	0.01177	0.01179	0.01256	2.26E-05	1E-06	6.3E-05	1.3E-08	8.6E-05	2.77E-05	1.22734E-06	7.66E-05	7.5E-09	1.06E-04	2.44E-05	9.44E-07	0.000165	7.74E-09
5298	490363.09	3865877.25	0.01248	0.01191	0.01179	0.01225	2.27E-05	1E-06	6.3E-05	1.3E-08	8.6E-05	2.79E-05	1.24194E-06	7.66E-05	7.31E-09	1.06E-04	2.46E-05	9.55E-07	0.000165	7.55E-09
5299	490863.09	3865877.25	0.01253	0.01199	0.01197	0.01182	2.28E-05	1E-06	6.4E-05	1.3E-08	8.7E-05	2.80E-05	1.25028E-06	7.77E-05	7.05E-09	1.07E-04	2.47E-05	9.62E-07	0.000167	7.29E-09
5300	491363.09	3865877.25	0.01247	0.01178	0.01226	0.01168	2.27E-05	1E-06	6.5E-05	1.2E-08	8.9E-05	2.79E-05	1.22839E-06	7.96E-05	6.97E-09	1.09E-04	2.46E-05	9.45E-07	0.000172	7.2E-09
5301	491863.09	3865877.25	0.01257	0.01212	0.01243	0.01198	2.29E-05	1E-06	6.6E-05	1.3E-08	9E-05	2.81E-05	1.26384E-06	8.07E-05	7.15E-09	1.10E-04	2.48E-05	9.72E-07	0.000174	7.39E-09
5302	492363.09	3865877.25	0.01245	0.01263	0.01216	0.01138	2.27E-05	1.1E-06	6.5E-05	1.2E-08	8.8E-05	2.78E-05	1.31702E-06	7.9E-05	6.79E-09	1.08E-04	2.45E-05	1.01E-06	0.00017	7.02E-09
5303	492863.09	3865877.25	0.01048	0.0108	0.0106	0.00768	1.91E-05	9.2E-07	5.6E-05	8.2E-09	7.6E-05	2.34E-05	1.12619E-06	6.89E-05	4.58E-09	9.34E-05	2.06E-05	8.66E-07	0.000148	4.74E-09

5304	493363.09	3865877.25	0.01065	0.01063	0.01103	0.00776	1.94E-05	9E-07	5.9E-05	8.3E-09	7.9E-05	2.38E-05	1.10847E-06	7.16E-05	4.63E-09	9.65E-05	2.1E-05	8.53E-07	0.000154	4.78E-09
5305	493863.09	3865877.25	0.01187	0.0119	0.0122	0.0099	2.16E-05	1E-06	6.5E-05	1.1E-08	8.7E-05	2.65E-05	1.2409E-06	7.92E-05	5.91E-09	1.07E-04	2.34E-05	9.55E-07	0.000171	6.1E-09
5306	494363.09	3865877.25	0.0124	0.01247	0.01228	0.01171	2.26E-05	1.1E-06	6.5E-05	1.2E-08	8.9E-05	2.77E-05	1.30034E-06	7.98E-05	6.99E-09	1.09E-04	2.44E-05	1E-06	0.000172	7.22E-09
5307	494863.09	3865877.25	0.01261	0.01277	0.01211	0.01201	2.30E-05	1.1E-06	6.4E-05	1.3E-08	8.8E-05	2.82E-05	1.33162E-06	7.87E-05	7.17E-09	1.08E-04	2.48E-05	1.02E-06	0.000169	7.41E-09
5308	495363.09	3865877.25	0.01276	0.013	0.01229	0.01243	2.33E-05	1.1E-06	6.5E-05	1.3E-08	9E-05	2.85E-05	1.3556E-06	7.98E-05	7.42E-09	1.10E-04	2.51E-05	1.04E-06	0.000172	7.66E-09
5309	495863.09	3865877.25	0.01317	0.01341	0.0127	0.01395	2.40E-05	1.1E-06	6.7E-05	1.5E-08	9.3E-05	2.94E-05	1.39836E-06	8.25E-05	8.33E-09	1.13E-04	2.59E-05	1.08E-06	0.000178	8.6E-09
5310	496363.09	3865877.25	0.01332	0.01371	0.01293	0.0142	2.43E-05	1.2E-06	6.9E-05	1.5E-08	9.4E-05	2.98E-05	1.42964E-06	8.4E-05	8.48E-09	1.15E-04	2.62E-05	1.1E-06	0.000181	8.76E-09
5311	496863.09	3865877.25	0.01309	0.0135	0.01285	0.01365	2.39E-05	1.1E-06	6.8E-05	1.5E-08	9.3E-05	2.92E-05	1.40774E-06	8.35E-05	8.15E-09	1.14E-04	2.58E-05	1.08E-06	0.00018	8.42E-09
5312	497363.09	3865877.25	0.01248	0.01292	0.01221	0.01325	2.27E-05	1.1E-06	6.5E-05	1.4E-08	8.9E-05	2.79E-05	1.34726E-06	7.93E-05	7.91E-09	1.09E-04	2.46E-05	1.04E-06	0.000171	8.17E-09
5313	497863.09	3865877.25	0.01201	0.01239	0.01166	0.01242	2.19E-05	1.1E-06	6.2E-05	1.3E-08	8.5E-05	2.68E-05	1.29199E-06	7.57E-05	7.41E-09	1.04E-04	2.37E-05	9.94E-07	0.000163	7.66E-09
5314	498363.09	3865877.25	0.01166	0.01189	0.01128	0.01164	2.13E-05	1E-06	6E-05	1.2E-08	8.2E-05	2.60E-05	1.23986E-06	7.33E-05	6.95E-09	1.01E-04	2.3E-05	9.54E-07	0.000158	7.18E-09
5315	471363.09	3866377.25	0.00666	0.0064	0.00642	0.00655	1.21E-05	5.4E-07	3.4E-05	7E-09	4.7E-05	1.49E-05	6.67374E-07	4.17E-05	3.91E-09	5.72E-05	1.31E-05	5.13E-07	8.98E-05	4.04E-09
5316	471863.09	3866377.25	0.00682	0.00624	0.00659	0.0066	1.24E-05	5.3E-07	3.5E-05	7E-09	4.8E-05	1.52E-05	6.5069E-07	4.28E-05	3.94E-09	5.87E-05	1.34E-05	5.01E-07	9.22E-05	4.07E-09
5317	472363.09	3866377.25	0.00697	0.00616	0.00674	0.00666	1.27E-05	5.2E-07	3.6E-05	7.1E-09	4.9E-05	1.56E-05	6.42347E-07	4.38E-05	3.97E-09	6.00E-05	1.37E-05	4.94E-07	9.43E-05	4.11E-09
5318	472863.09	3866377.25	0.00709	0.0062	0.00686	0.00671	1.29E-05	5.3E-07	3.6E-05	7.2E-09	5E-05	1.58E-05	6.46518E-07	4.46E-05	4E-09	6.10E-05	1.4E-05	4.97E-07	9.6E-05	4.14E-09
5319	473363.09	3866377.25	0.00728	0.00648	0.00704	0.00679	1.33E-05	5.5E-07	3.7E-05	7.2E-09	5.1E-05	1.63E-05	6.75716E-07	4.57E-05	4.05E-09	6.27E-05	1.43E-05	5.2E-07	9.85E-05	4.19E-09
5320	473863.09	3866377.25	0.00747	0.00689	0.00723	0.00691	1.36E-05	5.9E-07	3.8E-05	7.4E-09	5.3E-05	1.67E-05	7.1847E-07	4.7E-05	4.12E-09	6.44E-05	1.47E-05	5.53E-07	0.000101	4.26E-09
5321	474363.09	3866377.25	0.0077	0.00735	0.00745	0.0071	1.40E-05	6.3E-07	4E-05	7.6E-09	5.4E-05	1.72E-05	7.66437E-07	4.84E-05	4.24E-09	6.64E-05	1.52E-05	5.9E-07	0.000104	4.38E-09
5322	474863.09	3866377.25	0.00797	0.00774	0.00773	0.00736	1.45E-05	6.6E-07	4.1E-05	7.9E-09	5.6E-05	1.78E-05	8.07105E-07	5.02E-05	4.39E-09	6.88E-05	1.57E-05	6.21E-07	0.000108	4.54E-09
5323	475363.09	3866377.25	0.00823	0.00795	0.00802	0.00768	1.50E-05	6.8E-07	4.3E-05	8.2E-09	5.8E-05	1.84E-05	8.29004E-07	5.21E-05	4.58E-09	7.13E-05	1.62E-05	6.38E-07	0.000112	4.74E-09
5324	475863.09	3866377.25	0.00848	0.00803	0.00829	0.00802	1.55E-05	6.8E-07	4.4E-05	8.6E-09	6E-05	1.89E-05	8.37346E-07	5.38E-05	4.79E-09	7.36E-05	1.67E-05	6.44E-07	0.000116	4.94E-09
5325	476363.09	3866377.25	0.00895	0.00835	0.00877	0.00835	1.63E-05	7.1E-07	4.7E-05	8.9E-09	6.4E-05	2.00E-05	8.70714E-07	5.7E-05	4.98E-09	7.78E-05	1.76E-05	6.7E-07	0.000123	5.15E-09
5326	476863.09	3866377.25	0.0092	0.00855	0.00908	0.00807	1.68E-05	7.3E-07	4.8E-05	8.6E-09	6.6E-05	2.06E-05	8.9157E-07	5.9E-05	4.82E-09	8.04E-05	1.81E-05	6.86E-07	0.000127	4.98E-09
5327	477363.09	3866377.25	0.00967	0.00894	0.00953	0.00871	1.76E-05	7.6E-07	5.1E-05	9.3E-09	6.9E-05	2.16E-05	9.32238E-07	6.19E-05	5.2E-09	8.44E-05	1.9E-05	7.17E-07	0.000133	5.37E-09
5328	477863.09	3866377.25	0.00984	0.00904	0.00975	0.00923	1.79E-05	7.7E-07	5.2E-05	9.8E-09	7.1E-05	2.20E-05	9.42666E-07	6.33E-05	5.51E-09	8.63E-05	1.94E-05	7.25E-07	0.000136	5.69E-09
5329	478363.09	3866377.25	0.01003	0.0093	0.01002	0.00958	1.83E-05	7.9E-07	5.3E-05	1E-08	7.2E-05	2.24E-05	9.69778E-07	6.51E-05	5.72E-09	8.85E-05	1.98E-05	7.46E-07	0.00014	5.91E-09
5330	478863.09	3866377.25	0.01032	0.00967	0.01037	0.01	1.88E-05	8.2E-07	5.5E-05	1.1E-08	7.5E-05	2.31E-05	1.00836E-06	6.74E-05	5.97E-09	9.14E-05	2.03E-05	7.76E-07	0.000145	6.17E-09
5331	479363.09	3866377.25	0.01059	0.00987	0.01065	0.01049	1.93E-05	8.4E-07	5.7E-05	1.1E-08	7.7E-05	2.37E-05	1.02922E-06	6.92E-05	6.26E-09	9.39E-05	2.09E-05	7.92E-07	0.000149	6.47E-09
5332	479863.09	3866377.25	0.01084	0.00983	0.01084	0.01094	1.98E-05	8.4E-07	5.8E-05	1.2E-08	7.8E-05	2.42E-05	1.02504E-06	7.04E-05	6.53E-09	9.57E-05	2.13E-05	7.89E-07	0.000152	6.75E-09
5333	480363.09	3866377.25	0.01103	0.00981	0.01094	0.01122	2.01E-05	8.3E-07	5.8E-05	1.2E-08	7.9E-05	2.46E-05	1.02296E-06	7.11E-05	6.7E-09	9.67E-05	2.17E-05	7.87E-07	0.000153	6.92E-09
5334	480863.09	3866377.25	0.01119	0.01022	0.01101	0.0113	2.04E-05	8.7E-07	5.8E-05	1.2E-08	8E-05	2.50E-05	1.06571E-06	7.15E-05	6.74E-09	9.76E-05	2.2E-05	8.2E-07	0.000154	6.97E-09
5335	481363.09	3866377.25	0.0114	0.01097	0.01116	0.01138	2.08E-05	9.3E-07	5.9E-05	1.2E-08	8.1E-05	2.55E-05	1.14392E-06	7.25E-05	6.79E-09	9.91E-05	2.25E-05	8.8E-07	0.000156	7.02E-09
5336	481863.09	3866377.25	0.01154	0.0113	0.01129	0.01159	2.10E-05	9.6E-07	6E-05	1.2E-08	8.2E-05	2.58E-05	1.17833E-06	7.33E-05	6.92E-09	1.00E-04	2.27E-05	9.06E-07	0.000158	7.15E-09
5337	482363.09	3866377.25	0.01165	0.01124	0.01134	0.01191	2.12E-05	9.6E-07	6E-05	1.3E-08	8.2E-05	2.60E-05	1.17208E-06	7.37E-05	7.11E-09	1.01E-04	2.29E-05	9.02E-07	0.000159	7.34E-09
5338	482863.09	3866377.25	0.01175	0.01115	0.01136	0.01206	2.14E-05	9.5E-07	6E-05	1.3E-08	8.3E-05	2.62E-05	1.16269E-06	7.38E-05	7.2E-09	1.01E-04	2.31E-05	8.94E-07	0.000159	7.44E-09
5339	483363.09	3866377.25	0.01184	0.01073	0.01148	0.01203	2.16E-05	9.1E-07	6.1E-05	1.3E-08	8.4E-05	2.64E-05	1.11889E-06	7.46E-05	7.18E-09	1.02E-04	2.33E-05	8.61E-07	0.000161	7.42E-09
5340	483863.09	3866377.25	0.01194	0.01037	0.01169	0.01199	2.18E-05	8.8E-07	6.2E-05	1.3E-08	8.5E-05	2.67E-05	1.08135E-06	7.59E-05	7.16E-09	1.04E-04	2.35E-05	8.32E-07	0.000164	7.39E-09
5341	484363.09	3866377.25	0.01196	0.01065	0.01177	0.01194	2.18E-05	9.1E-07	6.3E-05	1.3E-08	8.5E-05	2.67E-05	1.11055E-06	7.64E-05	7.13E-09	1.04E-04	2.36E-05	8.54E-07	0.000165	7.36E-09
5342	484863.09	3866377.25	0.01194	0.01093	0.01167	0.01203	2.18E-05	9.3E-07	6.2E-05	1.3E-08	8.5E-05	2.67E-05	1.13975E-06	7.58E-05	7.18E-09	1.04E-04	2.35E-05	8.77E-07	0.000163	7.42E-09
5343	485363.09	3866377.25	0.01176	0.0105	0.01138	0.01198	2.14E-05	8.9E-07	6E-05	1.3E-08	8.3E-05	2.63E-05	1.09491E-06	7.39E-05	7.15E-09	1.01E-04	2.32E-05	8.42E-07	0.000159	7.39E-09
5344	485863.09	3866377.25	0.01159	0.0102	0.01112	0.0116	2.11E-05	8.7E-07	5.9E-05	1.2E-08	8.1E-05	2.59E-05	1.06363E-06	7.22E-05	6.92E-09	9.92E-05	2.28E-05	8.18E-07	0.000156	7.15E-09
5345	486363.09	3866377.25	0.01152	0.01046	0.01089	0.01115	2.10E-05	8.9E-07	5.8E-05	1.2E-08	8E-05	2.57E-05	1.09074E-06	7.07E-05	6.65E-09	9.76E-05	2.27E-05	8.39E-07	0.000152	6.87E-09
5346	486863.09	3866377.25	0.01146	0.01067	0.01074	0.01093	2.09E-05	9.1E-07	5.7E-05	1.2E-08	7.9E-05	2.56E-05	1.11264E-06	6.98E-05	6.52E-09	9.65E-05	2.26E-05	8.56E-07	0.00015	6.74E-09
5347	487363.09	3866377.25	0.01165	0.01066	0.01098	0.01092	2.12E-05	9.1E-07	5.8E-05	1.2E-08	8E-05	2.60E-05	1.11159E-06	7.13E-05	6.52E-09	9.85E-05	2.29E-05	8.55E-07	0.000154	6.73E-09
5348	487863.09	3866377.25	0.01182	0.0103	0.01135	0.01095	2.15E-05	8.8E-07	6E-05	1.2E-08	8.3E-05	2.64E-05	1.07405E-06	7.37E-05	6.54E-09	1.01E-04	2.33E-05	8.26E-07	0.000159	6.75E-09
5349	488363.09	3866377.25	0.01183	0.01016	0.01151	0.01111	2.16E-05	8.6E-07	6.1E-05	1.2E-08	8.4E-05	2.64E-05	1.05946E-06	7.48E-05	6.63E-09	1.02E-04	2.33E-05	8.15E-07	0.000161	6.85E-09
5350	488863.09	3866377.25	0.01192	0.01051	0.01173	0.01136	2.17E-05	8.9E-07	6.2E-05	1.2E-08	8.5E-05	2.66E-05	1.09595E-06	7.62E-05	6.78E-09	1.04E-04	2.35E-05	8.43E-07	0.000164	7E-09
5351	489363.09	3866377.25	0.01189	0.01096	0.01165	0.01152	2.17E-05	9.3E-07	6.2E-05	1.2E-08	8.5E-05	2.66E-05	1.14288E-06	7.57E-05	6.88E-09	1.03E-04	2.34E-05	8.79E-07	0.000163	7.1E-09
5352	489863.09	3866377.25	0.01175	0.0112	0.0114	0.01121	2.14E-05	9.5E-07	6.1E-05	1.2E-08	8.3E-05	2.62E-05	1.1679E-06	7.4E-05	6.69E-09	1.01E-04	2.31E-05	8.98E-07	0.000159	6.91E-09
5353	490363.09	3866377.25	0.01154	0.01092	0.01095	0.01132	2.10E-05	9.3E-07	5.8E-05	1.2E-08	8E-05	2.58E-05	1.13871E-06	7.11E-05	6.76E-09	9.80E-05	2.27E-05	8.76E-07	0.000153	6.98E-09
5354	490863.09	3866377.25	0.0114	0.01083	0.0108	0.01106	2.08E-05	9.2E-07	5.7E-05	1.2E-08	7.9E-05	2.55E-05	1.12932E-06	7.01E-05	6.6E-09	9.67E-05	2.25E-05	8.69E-07	0.000151	6.82E-09
5355	491363.09	3866377.25	0.0115	0.01088	0.01105	0.01108	2.10E-05	9.3E-07	5.9E-05	1.2E-08	8.1E-05	2.57E-05	1.13454E-06	7.18E-05	6.61E-09	9.86E-05	2.26E-05	8.73E-07	0.000155	6.83E-09
5356	491863.09	3866377.25	0.01135	0.01057	0.01143	0.0103	2.07E-05	9E-07	6.1E-05	1.1E-08	8.2E-05	2.54E-05	1.10221E-06	7.42E-05	6.15E-09	1.01E-04	2.24E-05	8.48E-07	0.00016	6.35E-09
5357	492363.09	3866377.25	0.01151	0.01122	0.01144	0.01067	2.10E-05	9.5E-07	6.1E-05	1.1E-08	8.3E-05	2.57E-05	1.16999E-06	7.43E-05	6.37E-09	1.01E-04	2.27E-05	9E-07	0.00016	6.58E-09
5358	492863.09	3866377.25	0.01083	0.01124	0.01068	0.00906	1.97E-05	9.6E-07	5.7E-05	9.7E-09	7.7E-05	2.42E-05	1.17208E-06	6.94E-05	5.41E-09	9.47E-05	2.13E-05	9.02E-07	0.000149	5.59E-09
5359	493363.09	3866377.25	0.01094	0.01089	0.01083	0.00914	1.99E-05	9.3E-07	5.8E-05	9.8E-09	7.8E-05	2.44E-05	1.13558E-06	7.03E-05	5.46E-09	9.59E-05	2.15E-05	8.74E-07	0.000152	5.64E-09
5360	493863.09	3866377.25	0.01146	0.01126	0.01146	0.01026	2.09E-05	9.6E-07	6.1E-05	1.1E-08	8.3E-05	2.56E-05	1.17416E-06	7.44E-05	6.12E-09	1.01E-04	2.26E-05	9.03E-07	0.00016	6.33E-09
5361	494363.09	3866377.25	0.01182	0.01172	0.01163	0.01185	2.15E-05	1E-06	6.2E-05	1.3E-08	8.4E-05	2.64E-05	1.22213E-06	7.55E-05	7.07E-09	1.03E-04	2.33E-05	9.4E-07	0.000163	7.31E-09
5362	494863.09	3866377.25	0.01164	0.01162	0.01134	0.01152	2.12E-05	9.9E-07	6E-05	1.2E-08	8.2E-05	2.60E-05	1.2117E-06	7.37E-05	6.88E-09	1.01E-04	2.29E-05	9.32E-07	0.000159	7.1E-09
5363	495363.09	3866377.25	0.01127	0.01126	0.01088	0.0103	2.05E-05	9.6E-07	5.8E-05	1.1E-08	7.9E-05	2.52E-05	1.17416E-06	7.07E-05	6.15E-09	9.70E-05	2.22E-05	9.03E-07	0.000152	6.35E-09
5364	495863.09	3866377.25	0.01148	0.01148	0.01122	0.01048	2.09E-05	9.8E-07	6E-05	1.1E-08	8.2E-05	2.56E-05	1.1971E-06	7.29E-05	6.25E-09	9.97E-05	2.26E-05	9.21E-07	0.000157	6.46E-09

5365	496363.09	3866377.25	0.01215	0.01234	0.01198	0.01201	2.21E-05	1.1E-06	6.4E-05	1.3E-08	8.7E-05	2.71E-05	1.28678E-06	7.78E-05	7.17E-09	1.06E-04	2.39E-05	9.9E-07	0.000168	7.41E-09
5366	496863.09	3866377.25	0.01226	0.01261	0.01216	0.01193	2.23E-05	1.1E-06	6.5E-05	1.3E-08	8.8E-05	2.74E-05	1.31494E-06	7.9E-05	7.12E-09	1.08E-04	2.41E-05	1.01E-06	0.00017	7.36E-09
5367	497363.09	3866377.25	0.01206	0.01239	0.01196	0.01188	2.20E-05	1.1E-06	6.4E-05	1.3E-08	8.7E-05	2.69E-05	1.29199E-06	7.77E-05	7.09E-09	1.06E-04	2.38E-05	9.94E-07	0.000167	7.32E-09
5368	497863.09	3866377.25	0.01158	0.01186	0.01148	0.01183	2.11E-05	1E-06	6.1E-05	1.3E-08	8.3E-05	2.59E-05	1.23673E-06	7.46E-05	7.06E-09	1.02E-04	2.28E-05	9.51E-07	0.000161	7.29E-09
5369	498363.09	3866377.25	0.01055	0.01075	0.01058	0.00989	1.92E-05	9.1E-07	5.6E-05	1.1E-08	7.6E-05	2.36E-05	1.12098E-06	6.87E-05	5.9E-09	9.34E-05	2.08E-05	8.62E-07	0.000148	6.1E-09
5370	474494.92	3848334.16	0.00771	0.00733	0.00764	0.00564	1.41E-05	6.2E-07	4.1E-05	6E-09	5.5E-05	1.72E-05	7.64352E-07	4.96E-05	3.37E-09	6.76E-05	1.52E-05	5.88E-07	0.000107	3.48E-09
5371	475167.27	3848920.79	0.0088	0.00839	0.00866	0.00634	1.60E-05	7.1E-07	4.6E-05	6.8E-09	6.3E-05	1.97E-05	8.74885E-07	5.62E-05	3.78E-09	7.68E-05	1.73E-05	6.73E-07	0.000121	3.91E-09
5372	475297.89	3848997.96	0.00896	0.00854	0.00882	0.00645	1.63E-05	7.3E-07	4.7E-05	6.9E-09	6.4E-05	2.00E-05	8.90527E-07	5.73E-05	3.85E-09	7.82E-05	1.76E-05	6.85E-07	0.000123	3.98E-09
5373	475439.05	3849062	0.00894	0.00857	0.00882	0.00633	1.63E-05	7.3E-07	4.7E-05	6.8E-09	6.4E-05	2.00E-05	8.93655E-07	5.73E-05	3.78E-09	7.82E-05	1.76E-05	6.87E-07	0.000123	3.9E-09
5374	475486.86	3849061.09	0.00889	0.00852	0.00879	0.00628	1.62E-05	7.3E-07	4.7E-05	6.7E-09	6.4E-05	1.99E-05	8.88442E-07	5.71E-05	3.75E-09	7.78E-05	1.75E-05	6.83E-07	0.000123	3.87E-09
5375	475538.46	3849075.56	0.00895	0.00857	0.00885	0.00634	1.63E-05	7.3E-07	4.7E-05	6.8E-09	6.4E-05	2.00E-05	8.93655E-07	5.75E-05	3.78E-09	7.84E-05	1.76E-05	6.87E-07	0.000124	3.91E-09
5376	475751.79	3849137.15	0.00932	0.00882	0.00921	0.00673	1.70E-05	7.5E-07	4.9E-05	7.2E-09	6.7E-05	2.08E-05	9.19725E-07	5.98E-05	4.02E-09	8.16E-05	1.84E-05	7.08E-07	0.000129	4.15E-09
5377	476303.62	3849223.38	0.00981	0.00905	0.00969	0.00713	1.79E-05	7.7E-07	5.1E-05	7.6E-09	7E-05	2.19E-05	9.43708E-07	6.29E-05	4.26E-09	8.58E-05	1.93E-05	7.26E-07	0.000136	4.4E-09
5378	476304.51	3849238.92	0.00986	0.0091	0.00973	0.00716	1.80E-05	7.7E-07	5.2E-05	7.6E-09	7E-05	2.20E-05	9.48922E-07	6.32E-05	4.27E-09	8.62E-05	1.94E-05	7.3E-07	0.000136	4.41E-09
5379	476365.04	3849247.98	0.0099	0.00911	0.00978	0.00719	1.80E-05	7.8E-07	5.2E-05	7.7E-09	7.1E-05	2.21E-05	9.49965E-07	6.35E-05	4.29E-09	8.66E-05	1.95E-05	7.31E-07	0.000137	4.43E-09
5380	476444.86	3849267.13	0.00992	0.00913	0.0098	0.00717	1.81E-05	7.8E-07	5.2E-05	7.6E-09	7.1E-05	2.22E-05	9.52051E-07	6.37E-05	4.28E-09	8.68E-05	1.95E-05	7.32E-07	0.000137	4.42E-09
5381	476550.75	3849300.66	0.01007	0.00922	0.00995	0.00729	1.84E-05	7.8E-07	5.3E-05	7.8E-09	7.2E-05	2.25E-05	9.61436E-07	6.46E-05	4.35E-09	8.81E-05	1.98E-05	7.4E-07	0.000139	4.49E-09
5382	476656.71	3849346.88	0.01022	0.00932	0.0101	0.0074	1.86E-05	7.9E-07	5.4E-05	7.9E-09	7.3E-05	2.28E-05	9.71863E-07	6.56E-05	4.42E-09	8.94E-05	2.01E-05	7.48E-07	0.000141	4.56E-09
5383	476873.55	3849454.53	0.01062	0.00957	0.01048	0.00766	1.94E-05	8.1E-07	5.6E-05	8.2E-09	7.6E-05	2.37E-05	9.97933E-07	6.81E-05	4.57E-09	9.28E-05	2.09E-05	7.68E-07	0.000147	4.72E-09
5384	477700	3849859.7	0.01215	0.01061	0.01193	0.00846	2.21E-05	9E-07	6.3E-05	9E-09	8.6E-05	2.71E-05	1.10638E-06	7.75E-05	5.05E-09	1.06E-04	2.39E-05	8.51E-07	0.000167	5.22E-09
5385	477743.16	3849856.38	0.01198	0.01056	0.01176	0.00832	2.18E-05	9E-07	6.2E-05	8.9E-09	8.5E-05	2.68E-05	1.10117E-06	7.64E-05	4.97E-09	1.04E-04	2.36E-05	8.47E-07	0.000165	5.13E-09
5386	478477.35	3850216.33	0.01304	0.0114	0.01251	0.00849	2.38E-05	9.7E-07	6.6E-05	9.1E-09	9.1E-05	2.91E-05	1.18876E-06	8.13E-05	5.07E-09	1.12E-04	2.57E-05	9.14E-07	0.000175	5.23E-09
5387	478485.8	3850201.6	0.013	0.01135	0.01244	0.00842	2.37E-05	9.7E-07	6.6E-05	9E-09	9.1E-05	2.90E-05	1.18355E-06	8.08E-05	5.03E-09	1.11E-04	2.56E-05	9.1E-07	0.000174	5.19E-09
5388	479113.21	3850501.53	0.01576	0.0137	0.01453	0.00947	2.87E-05	1.2E-06	7.7E-05	1E-08	0.00011	3.52E-05	1.4286E-06	9.44E-05	5.65E-09	1.31E-04	3.1E-05	1.1E-06	0.000203	5.84E-09
5389	479108.11	3850382.28	0.01568	0.0138	0.01432	0.00933	2.86E-05	1.2E-06	7.6E-05	1E-08	0.00011	3.50E-05	1.43902E-06	9.3E-05	5.57E-09	1.29E-04	3.09E-05	1.11E-06	0.0002	5.75E-09
5390	479689.85	3850674.28	0.01866	0.01686	0.0168	0.01089	3.40E-05	1.4E-06	8.9E-05	1.2E-08	0.00012	4.17E-05	1.75811E-06	0.000109	6.5E-09	1.53E-04	3.68E-05	1.35E-06	0.000235	6.71E-09
5391	479952.42	3850774.28	0.02053	0.0189	0.01873	0.01243	3.74E-05	1.6E-06	1E-04	1.3E-08	0.00014	4.59E-05	1.97084E-06	0.000122	7.42E-09	1.69E-04	4.04E-05	1.52E-06	0.000262	7.66E-09
5392	479911.32	3850884.85	0.02022	0.01827	0.01812	0.01176	3.69E-05	1.6E-06	9.6E-05	1.3E-08	0.00013	4.52E-05	1.90514E-06	0.000118	7.02E-09	1.65E-04	3.98E-05	1.47E-06	0.000253	7.25E-09
5393	480500.92	3851178.12	0.02483	0.02303	0.02275	0.01639	4.53E-05	2E-06	0.00012	1.7E-08	0.00017	5.55E-05	2.4015E-06	0.000148	9.78E-09	2.06E-04	4.89E-05	1.85E-06	0.000318	1.01E-08
5394	480738.01	3851289.27	0.02676	0.02496	0.02488	0.01876	4.88E-05	2.1E-06	0.00013	2E-08	0.00018	5.98E-05	2.60276E-06	0.000162	1.12E-08	2.24E-04	5.27E-05	2E-06	0.000348	1.16E-08
5395	481055.42	3851443.58	0.02932	0.02718	0.02773	0.02181	5.34E-05	2.3E-06	0.00015	2.3E-08	0.0002	6.55E-05	2.83425E-06	0.00018	1.3E-08	2.48E-04	5.77E-05	2.18E-06	0.000388	1.34E-08
5396	481110.22	3851443.15	0.02959	0.0273	0.02815	0.02231	5.39E-05	2.3E-06	0.00015	2.4E-08	0.00021	6.61E-05	2.84677E-06	0.000183	1.33E-08	2.52E-04	5.83E-05	2.19E-06	0.000394	1.38E-08
5397	481111.1	3851417.45	0.02942	0.02709	0.02809	0.0223	5.36E-05	2.3E-06	0.00015	2.4E-08	0.00021	6.57E-05	2.82487E-06	0.000182	1.33E-08	2.51E-04	5.79E-05	2.17E-06	0.000393	1.37E-08
5398	482248.44	3852605.09	0.05017	0.04424	0.04395	0.03446	9.15E-05	3.8E-06	0.00023	3.7E-08	0.00033	1.12E-04	4.61322E-06	0.000285	2.06E-08	4.02E-04	9.88E-05	3.55E-06	0.000615	2.12E-08
5399	482273.34	3852632.31	0.05099	0.04491	0.04451	0.03482	9.29E-05	3.8E-06	0.00024	3.7E-08	0.00033	1.14E-04	4.68309E-06	0.000289	2.08E-08	4.08E-04	0.0001	3.6E-06	0.000623	2.15E-08
5400	482665.46	3853038.72	0.06819	0.05705	0.05463	0.04164	1.24E-04	4.9E-06	0.00029	4.4E-08	0.00042	1.52E-04	5.94901E-06	0.000355	2.49E-08	5.13E-04	0.000134	4.58E-06	0.000764	2.57E-08
5401	483077.95	3853844.31	0.73787	0.11083	0.07796	0.0444	1.35E-03	9.4E-06	0.00041	4.7E-08	0.00177	1.65E-03	1.1557E-05	0.000506	2.65E-08	2.17E-03	0.001453	8.89E-06	0.001091	2.74E-08
5402	483121.38	3853909.38	0.69633	0.12004	0.0821	0.04516	1.27E-03	1E-05	0.00044	4.8E-08	0.00172	1.56E-03	1.25174E-05	0.000533	2.7E-08	2.10E-03	0.001371	9.63E-06	0.001148	2.78E-08
5403	483492.64	3853911.49	0.35022	0.13879	0.10567	0.0572	6.38E-04	1.2E-05	0.00056	6.1E-08	0.00121	7.82E-04	1.44726E-05	0.000686	3.41E-08	1.48E-03	0.00069	1.11E-05	0.001478	3.53E-08
5404	483498.29	3854204.73	0.48029	0.21306	0.12047	0.05356	8.75E-04	1.8E-05	0.00064	5.7E-08	0.00153	1.07E-03	2.22173E-05	0.000782	3.2E-08	1.88E-03	0.000946	1.71E-05	0.001685	3.3E-08
5405	484132.44	3854662.55	0.97621	0.58109	0.25617	0.05246	1.78E-03	4.9E-05	0.00136	5.6E-08	0.00319	2.18E-03	6.05944E-05	0.001664	3.13E-08	3.91E-03	0.001923	4.66E-05	0.003584	3.23E-08
5406	484627.62	3854876.13	3.59208	4.6675	1.00253	0.08762	6.55E-03	0.0004	0.00533	9.3E-08	0.01227	8.02E-03	0.000486714	0.006512	5.23E-08	1.50E-02	0.007074	0.000374	0.014024	5.4E-08
5407	484756.14	3854949.04	3.34907	6.39893	2.63021	0.10773	6.10E-03	0.00054	0.01397	1.1E-07	0.02062	7.48E-03	0.000667262	0.017084	6.43E-08	2.52E-02	0.006596	0.000513	0.036794	6.64E-08
5408	486697.51	3856599.17	3.48044	0.37187	4.47265	1.75488	6.34E-03	3.2E-05	0.02376	1.9E-06	0.03014	7.77E-03	3.87776E-05	0.029051	1.05E-06	3.69E-02	0.006855	2.98E-05	0.062568	1.08E-06
5409	487105.31	3856962.27	3.25171	1.07632	4.42855	2.03925	5.93E-03	9.2E-05	0.02353	2.2E-06	0.02955	7.26E-03	0.000112236	0.028765	1.22E-06	3.61E-02	0.006404	8.63E-05	0.061951	1.26E-06
5410	487157.57	3856901.7	2.47766	0.75271	3.33918	1.68172	4.52E-03	6.4E-05	0.01774	1.8E-06	0.02232	5.53E-03	7.84905E-05	0.021689	1E-06	2.73E-02	0.00488	6.04E-05	0.046712	1.04E-06
5411	487173.5	3856853.74	2.19383	0.61082	2.96329	1.53399	4.00E-03	5.2E-05	0.01574	1.6E-06	0.0198	4.90E-03	6.36946E-05	0.019247	9.16E-07	2.42E-02	0.004321	4.9E-05	0.041453	9.46E-07
5412	487564.41	3856860.83	1.2902	0.83815	1.80951	1.17837	2.35E-03	7.1E-05	0.00961	1.3E-06	0.01204	2.88E-03	8.73999E-05	0.011753	7.03E-07	1.47E-02	0.002541	6.72E-05	0.025313	7.27E-07
5413	487563.31	3856931.58	1.30762	1.26543	1.89555	1.27409	2.38E-03	0.00011	0.01007	1.4E-06	0.01256	2.92E-03	0.000131955	0.012312	7.6E-07	1.54E-02	0.002575	0.000102	0.026517	7.86E-07
5414	487782.7	3856926.85	1.05699	1.31696	1.48825	1.13414	1.93E-03	0.00011	0.00791	1.2E-06	0.00995	2.36E-03	0.000137329	0.009667	6.77E-07	1.22E-02	0.002082	0.000106	0.020819	6.99E-07
5415	487782.39	3856757.07	1.02066	0.62495	1.3916	0.9684	1.86E-03	5.3E-05	0.00739	1E-06	0.00931	2.28E-03	6.5168E-05	0.009039	5.78E-07	1.14E-02	0.00201	5.01E-05	0.019467	5.97E-07
5416	487917.26	3856752.41	0.92118	0.66244	1.24854	0.92511	1.68E-03	5.6E-05	0.00663	9.9E-07	0.00837	2.06E-03	6.90774E-05	0.00811	5.52E-07	1.02E-02	0.001814	5.31E-05	0.017466	5.7E-07
5417	487919.57	3856953.35	0.94763	1.45892	1.30925	1.09748	1.73E-03	0.00012	0.00696	1.2E-06	0.00881	2.12E-03	0.000152132	0.008504	6.55E-07	1.08E-02	0.001866	0.000117	0.018315	6.77E-07
5418	487932.76	3857000.32	0.94095	1.75517	1.29501	1.12575	1.72E-03	0.00015	0.00688	1.2E-06	0.00875	2.10E-03	0.000183024	0.008411	6.72E-07	1.07E-02	0.001853	0.000141	0.018116	6.94E-07
5419	487960.5	3857044.75	0.92392	2.03644	1.25527	1.14928	1.68E-03	0.00017	0.00667	1.2E-06	0.00853	2.06E-03	0.000212354	0.008153	6.86E-07	1.04E-02	0.00182	0.000163	0.01756	7.09E-07
5420	488016.54	3857089.54	0.89148	2.24852	1.17984	1.15746	1.63E-03	0.00019	0.00627	1.2E-06	0.00809	1.99E-03	0.000234469	0.007663	6.91E-07	9.89E-03	0.001756	0.00018	0.016505	7.14E-07
5421	488114.39	3857165.47	0.84222	2.42328	1.05391	1.17919	1.54E-03	0.00021	0.0056	1.3E-06	0.00734	1.88E-03	0.000252693	0.006845	7.04E-07	8.98E-03	0.001659	0.000194	0.014743	7.27E-07
5422	488171.49	3857234.24	0.81986	2.47937	0.97528	1.22463	1.49E-03	0.00021	0.00518	1.3E-06	0.00689	1.83E-03	0.000258542	0.006335	7.31E-07	8.43E-03	0.001615	0.000199	0.013643	7.55E-07
5423	488193.16	3857297.8	0.81739	2.4961	0.92922	1.29563	1.49E-03	0.00021	0.00494	1.4E-06	0.00664	1.83E-03	0.000260286	0.006036	7.73E-07	8.12E-03	0.00161	0.0002	0.012999	7.99E-07
5424	488189.27	3857649.94	0.94087	1.53754	0.72239	1.93099	1.72E-03	0.00013	0.00384	2.1E-06	0.00569	2.10E-03	0.00016033	0.004692	1.15E-06	6.96E-03	0.001853	0.000123	0.010106	1.19E-06
5425	488127.43	3857732.32	1.03788	1.28413	0.6209	2.29928	1.89E-03	0.00011	0.0033	2.5E-06	0.0053	2.32E-03	0.000133905	0.004033	1.37E-06	6.49E-03	0.002044	0.000103	0.008686	1.42E-06

5426	488149.93	3857752.94	1.00204	1.19461	0.56639	2.29413	1.83E-03	0.0001	0.00301	2.4E-06	0.00494	2.24E-03	0.000124571	0.003679	1.37E-06	6.04E-03	0.001973	9.58E-05	0.007923	1.41E-06
5427	488144.76	3857758.71	1.00819	1.17842	0.55767	2.32476	1.84E-03	0.0001	0.00296	2.5E-06	0.0049	2.25E-03	0.000122882	0.003622	1.39E-06	6.00E-03	0.001986	9.45E-05	0.007801	1.43E-06
5428	488335.58	3857932.55	0.71591	0.67939	0.32054	2.28362	1.30E-03	5.8E-05	0.0017	2.4E-06	0.00307	1.60E-03	7.08449E-05	0.002082	1.36E-06	3.75E-03	0.00141	5.45E-05	0.004484	1.41E-06
5429	488372.29	3857943.79	0.68925	0.65599	0.31206	2.13135	1.26E-03	5.6E-05	0.00166	2.3E-06	0.00297	1.54E-03	6.84048E-05	0.002027	1.27E-06	3.64E-03	0.001357	5.26E-05	0.004365	1.31E-06
5430	488828.64	3857936.4	0.5091	0.58378	0.29932	1.10947	9.28E-04	5E-05	0.00159	1.2E-06	0.00257	1.14E-03	6.08749E-05	0.001944	6.62E-07	3.14E-03	0.001003	4.68E-05	0.004187	6.84E-07
5431	488829.08	3857959.58	0.50532	0.56171	0.28951	1.08596	9.21E-04	4.8E-05	0.00154	1.2E-06	0.00251	1.13E-03	5.85735E-05	0.00188	6.48E-07	3.07E-03	0.000995	4.51E-05	0.00405	6.7E-07
5432	488351.61	3857964.55	0.69421	0.62534	0.29846	2.21515	1.27E-03	5.3E-05	0.00159	2.4E-06	0.00291	1.55E-03	6.52087E-05	0.001939	1.32E-06	3.56E-03	0.001367	5.02E-05	0.004175	1.37E-06
5433	488316.87	3857947.65	0.72161	0.65587	0.30992	2.38812	1.32E-03	5.6E-05	0.00165	2.5E-06	0.00302	1.61E-03	6.83923E-05	0.002013	1.43E-06	3.69E-03	0.001421	5.26E-05	0.004335	1.47E-06
5434	488129.1	3857775.77	1.02524	1.12857	0.53008	2.43318	1.87E-03	9.6E-05	0.00282	2.6E-06	0.00478	2.29E-03	0.000117684	0.003443	1.45E-06	5.85E-03	0.002019	9.05E-05	0.007415	1.5E-06
5435	488062.53	3857846.13	1.06912	0.91864	0.41361	3.18494	1.95E-03	7.8E-05	0.0022	3.4E-06	0.00423	2.39E-03	9.57932E-05	0.002687	1.9E-06	5.17E-03	0.002106	7.37E-05	0.005786	1.96E-06
5436	488330.41	3858091.34	0.69068	0.4654	0.23954	1.66724	1.26E-03	4E-05	0.00127	1.8E-06	0.00257	1.54E-03	4.85306E-05	0.001556	9.95E-07	3.15E-03	0.00136	3.73E-05	0.003351	1.03E-06
5437	488470.87	3858174.45	0.63437	0.38914	0.20979	1.01635	1.16E-03	3.3E-05	0.00111	1.1E-06	0.00231	1.42E-03	4.05784E-05	0.001363	6.07E-07	2.82E-03	0.001249	3.12E-05	0.002935	6.27E-07
5438	488568.9	3858262.31	0.62713	0.32476	0.18489	0.71518	1.14E-03	2.8E-05	0.00098	7.6E-07	0.00215	1.40E-03	3.38651E-05	0.001201	4.27E-07	2.64E-03	0.001235	2.61E-05	0.002586	4.41E-07
5439	488964.27	3858025.71	0.46333	0.48569	0.25984	0.88308	8.45E-04	4.1E-05	0.00138	9.4E-07	0.00227	1.03E-03	5.06464E-05	0.001688	5.27E-07	2.77E-03	0.000913	3.9E-05	0.003635	5.44E-07
5440	489147.25	3857956.64	0.43457	0.51538	0.2782	0.81054	7.92E-04	4.4E-05	0.00148	8.6E-07	0.00231	9.71E-04	5.37424E-05	0.001807	4.84E-07	2.83E-03	0.000856	4.13E-05	0.003892	5E-07
5441	489343.52	3857932.45	0.40378	0.50455	0.27724	0.71027	7.36E-04	4.3E-05	0.00147	7.6E-07	0.00225	9.02E-04	5.2613E-05	0.001801	4.24E-07	2.76E-03	0.000795	4.05E-05	0.003878	4.38E-07
5442	489866.19	3857923.19	0.33423	0.43141	0.25198	0.51733	6.09E-04	3.7E-05	0.00134	5.5E-07	0.00199	7.47E-04	4.49862E-05	0.001637	3.09E-07	2.43E-03	0.000658	3.46E-05	0.003525	3.19E-07
5443	489955.65	3857902.27	0.32595	0.42709	0.25182	0.49697	5.94E-04	3.6E-05	0.00134	5.3E-07	0.00197	7.28E-04	4.45357E-05	0.001636	2.97E-07	2.41E-03	0.000642	3.43E-05	0.003523	3.06E-07
5444	490079.44	3857847.9	0.31727	0.42359	0.25449	0.48392	5.78E-04	3.6E-05	0.00135	5.2E-07	0.00197	7.09E-04	4.41708E-05	0.001653	2.89E-07	2.41E-03	0.000625	3.4E-05	0.00356	2.98E-07
5445	490108.49	3857934.13	0.3079	0.39364	0.23709	0.45571	5.61E-04	3.3E-05	0.00126	4.9E-07	0.00185	6.88E-04	4.10477E-05	0.00154	2.72E-07	2.27E-03	0.000606	3.16E-05	0.003317	2.81E-07
5446	489884.48	3858014.17	0.32495	0.39251	0.23243	0.48405	5.92E-04	3.3E-05	0.00123	5.2E-07	0.00186	7.26E-04	4.09298E-05	0.00151	2.89E-07	2.28E-03	0.00064	3.15E-05	0.003251	2.98E-07
5447	489326.56	3858025.86	0.39637	0.44687	0.25077	0.66513	7.23E-04	3.8E-05	0.00133	7.1E-07	0.00209	8.85E-04	4.65983E-05	0.001629	3.97E-07	2.56E-03	0.000781	3.58E-05	0.003508	4.1E-07
5448	489130.38	3858056.71	0.42665	0.44934	0.24767	0.73801	7.78E-04	3.8E-05	0.00132	7.9E-07	0.00213	9.53E-04	4.68559E-05	0.001609	4.4E-07	2.61E-03	0.00084	3.6E-05	0.003465	4.55E-07
5449	488936.49	3858143.93	0.46238	0.4065	0.22189	0.75632	8.43E-04	3.5E-05	0.00118	8.1E-07	0.00206	1.03E-03	4.23887E-05	0.001441	4.51E-07	2.52E-03	0.000911	3.26E-05	0.003104	4.66E-07
5450	488638.08	3858327.45	0.62165	0.29144	0.1718	0.57242	1.13E-03	2.5E-05	0.00091	6.1E-07	0.00207	1.39E-03	3.03905E-05	0.001116	3.42E-07	2.54E-03	0.001224	2.34E-05	0.002403	3.53E-07
5451	488663.79	3858349.57	0.61887	0.28187	0.16791	0.5347	1.13E-03	2.4E-05	0.00089	5.7E-07	0.00204	1.38E-03	2.93926E-05	0.001091	3.19E-07	2.50E-03	0.001219	2.26E-05	0.002349	3.3E-07
5452	488694.56	3858349.5	0.59818	0.2829	0.16754	0.5316	1.09E-03	2.4E-05	0.00089	5.7E-07	0.00201	1.34E-03	2.95E-05	0.001088	3.17E-07	2.45E-03	0.001178	2.27E-05	0.002344	3.28E-07
5453	488694.35	3858336.75	0.59079	0.289	0.16966	0.55035	1.08E-03	2.5E-05	0.0009	5.9E-07	0.002	1.32E-03	3.01361E-05	0.001102	3.28E-07	2.45E-03	0.001164	2.32E-05	0.002373	3.39E-07
5454	488712.81	3858336.38	0.57961	0.2899	0.1696	0.5485	1.06E-03	2.5E-05	0.0009	5.9E-07	0.00198	1.29E-03	3.023E-05	0.001102	3.27E-07	2.43E-03	0.001142	2.33E-05	0.002373	3.38E-07
5455	488713.23	3858367.46	0.59735	0.27518	0.16442	0.50511	1.09E-03	2.3E-05	0.00087	5.4E-07	0.00199	1.33E-03	2.8695E-05	0.001068	3.01E-07	2.43E-03	0.001176	2.21E-05	0.0023	3.11E-07
5456	488704.63	3858384.05	0.61462	0.26757	0.16195	0.48448	1.12E-03	2.3E-05	0.00086	5.2E-07	0.002	1.37E-03	2.79014E-05	0.001052	2.89E-07	2.45E-03	0.00121	2.15E-05	0.002266	2.99E-07
5457	488604.15	3858488.29	0.87718	0.23105	0.15015	0.38175	1.60E-03	2E-05	0.0008	4.1E-07	0.00242	1.96E-03	2.40932E-05	0.000975	2.28E-07	2.96E-03	0.001728	1.85E-05	0.0021	2.35E-07
5458	488605.66	3858550.47	1.0748	0.21463	0.14277	0.33782	1.96E-03	1.8E-05	0.00076	3.6E-07	0.00274	2.40E-03	2.2381E-05	0.000927	2.02E-07	3.35E-03	0.002117	1.72E-05	0.001997	2.08E-07
5459	488692.68	3858548.71	0.8514	0.21374	0.14166	0.33556	1.55E-03	1.8E-05	0.00075	3.6E-07	0.00232	1.90E-03	2.22882E-05	0.00092	2E-07	2.84E-03	0.001677	1.71E-05	0.001982	2.07E-07
5460	488759.93	3858461.81	0.63552	0.23923	0.15061	0.39934	1.16E-03	2E-05	0.0008	4.3E-07	0.00198	1.42E-03	2.49462E-05	0.000978	2.38E-07	2.42E-03	0.001252	1.92E-05	0.002107	2.46E-07
5461	488816.57	3858541.79	0.66558	0.21524	0.14044	0.33661	1.21E-03	1.8E-05	0.00075	3.6E-07	0.00198	1.49E-03	2.24446E-05	0.000912	2.01E-07	2.42E-03	0.001311	1.73E-05	0.001965	2.08E-07
5462	488944.63	3858656.77	0.66418	0.18823	0.1275	0.27308	1.21E-03	1.6E-05	0.00068	2.9E-07	0.0019	1.48E-03	1.96281E-05	0.000828	1.63E-07	2.33E-03	0.001308	1.51E-05	0.001784	1.68E-07
5463	489134.91	3858830.7	0.52998	0.15745	0.11171	0.21175	9.66E-04	1.3E-05	0.00059	2.3E-07	0.00157	1.18E-03	1.64184E-05	0.000726	1.26E-07	1.93E-03	0.001044	1.26E-05	0.001563	1.31E-07
5464	489193.99	3858886.05	0.41244	0.14948	0.10742	0.19757	7.52E-04	1.3E-05	0.00057	2.1E-07	0.00134	9.21E-04	1.55874E-05	0.000698	1.18E-07	1.63E-03	0.000812	1.2E-05	0.001503	1.22E-07
5465	489295.2	3858954.34	0.29785	0.14015	0.10203	0.18185	5.43E-04	1.2E-05	0.00054	1.9E-07	0.0011	6.65E-04	1.46144E-05	0.000663	1.09E-07	1.34E-03	0.000587	1.12E-05	0.001427	1.12E-07
5466	489295.64	3858992.74	0.26675	0.13592	0.09996	0.17524	4.86E-04	1.2E-05	0.00053	1.9E-07	0.00103	5.96E-04	1.41734E-05	0.000649	1.05E-07	1.26E-03	0.000525	1.09E-05	0.001398	1.08E-07
5467	489183.74	3858911.72	0.3864	0.14649	0.10609	0.19255	7.04E-04	1.2E-05	0.00056	2.1E-07	0.00128	8.63E-04	1.52756E-05	0.000689	1.15E-07	1.57E-03	0.000761	1.18E-05	0.001484	1.19E-07
5468	488873.37	3858625.59	0.70909	0.19509	0.13141	0.28855	1.29E-03	1.7E-05	0.0007	3.1E-07	0.00201	1.58E-03	2.03434E-05	0.000854	1.72E-07	2.46E-03	0.001397	1.56E-05	0.001838	1.78E-07
5469	488842.84	3858658.69	0.8178	0.18833	0.12881	0.2748	1.49E-03	1.6E-05	0.00068	2.9E-07	0.00219	1.83E-03	1.96385E-05	0.000837	1.64E-07	2.68E-03	0.001611	1.51E-05	0.001802	1.69E-07
5470	488856.39	3858670.93	0.81851	0.18609	0.12768	0.2694	1.49E-03	1.6E-05	0.00068	2.9E-07	0.00219	1.83E-03	1.94049E-05	0.000829	1.61E-07	2.68E-03	0.001612	1.49E-05	0.001786	1.66E-07
5471	488805.7	3858724.5	1.15146	0.17728	0.1238	0.25241	2.10E-03	1.5E-05	0.00066	2.7E-07	0.00277	2.57E-03	1.84863E-05	0.000804	1.51E-07	3.39E-03	0.002268	1.42E-05	0.001732	1.56E-07
5472	488805.87	3858804.16	1.91894	0.16463	0.11731	0.22917	3.50E-03	1.4E-05	0.00062	2.4E-07	0.00414	4.29E-03	1.71672E-05	0.000762	1.37E-07	5.07E-03	0.003779	1.32E-05	0.001641	1.41E-07
5473	488995.78	3858936.96	0.44342	0.14562	0.10659	0.19399	8.08E-04	1.2E-05	0.00057	2.1E-07	0.00139	9.90E-04	1.51848E-05	0.000692	1.16E-07	1.70E-03	0.000873	1.17E-05	0.001491	1.2E-07
5474	489130.76	3859017.38	0.2624	0.13582	0.10081	0.17647	4.78E-04	1.2E-05	0.00054	1.9E-07	0.00103	5.86E-04	1.41629E-05	0.000655	1.05E-07	1.26E-03	0.000517	1.09E-05	0.00141	1.09E-07
5475	489130.92	3859052.24	0.22943	0.13247	0.09894	0.17127	4.18E-04	1.1E-05	0.00053	1.8E-07	0.00096	5.12E-04	1.38136E-05	0.000643	1.02E-07	1.17E-03	0.000452	1.06E-05	0.001384	1.06E-07
5476	489200.33	3859090.6	0.20344	0.12802	0.09623	0.16419	3.71E-04	1.1E-05	0.00051	1.8E-07	0.00089	4.54E-04	1.33496E-05	0.000625	9.8E-08	1.09E-03	0.000401	1.03E-05	0.001346	1.01E-07
5477	489296.07	3859143.7	0.17791	0.12215	0.09261	0.15511	3.24E-04	1E-05	0.00049	1.7E-07	0.00083	3.97E-04	1.27375E-05	0.000602	9.26E-08	1.01E-03	0.00035	9.8E-06	0.001296	9.56E-08
5478	489296.43	3858954.74	0.2972	0.14009	0.10199	0.18175	5.42E-04	1.2E-05	0.00054	1.9E-07	0.0011	6.64E-04	1.46082E-05	0.000662	1.08E-07	1.34E-03	0.000585	1.12E-05	0.001427	1.12E-07
5479	489410.33	3859033.19	0.22663	0.13063	0.09642	0.16635	4.13E-04	1.1E-05	0.00051	1.8E-07	0.00094	5.06E-04	1.36217E-05	0.000626	9.93E-08	1.15E-03	0.000446	1.05E-05	0.001349	1.03E-07
5480	489371.37	3859089.8	0.20111	0.1257	0.09422	0.15939	3.67E-04	1.1E-05	0.0005	1.7E-07	0.00088	4.49E-04	1.31076E-05	0.000612	9.51E-08	1.07E-03	0.000396	1.01E-05	0.001318	9.83E-08
5481	489390.52	3859102.82	0.19449	0.12431	0.09337	0.15725	3.55E-04	1.1E-05	0.0005	1.7E-07	0.00086	4.34E-04	1.29627E-05	0.000606	9.39E-08	1.05E-03	0.000383	9.97E-06	0.001306	9.7E-08
5482	489382.3	3859114.53	0.18966	0.12347	0.09298	0.15605	3.46E-04	1.1E-05	0.00049	1.7E-07	0.00085	4.24E-04	1.28751E-05	0.000604	9.31E-08	1.04E-03	0.000374	9.9E-06	0.001301	9.62E-08
5483	489363.04	3859102.45	0.19551	0.12477	0.09378	0.15805	3.56E-04	1.1E-05	0.0005	1.7E-07	0.00087	4.37E-04	1.30107E-05	0.000609	9.43E-08	1.06E-03	0.000385	1E-05	0.001312	9.74E-08
5484	489337.52	3859140.71	0.17915	0.12184	0.09229	0.15431	3.27E-04	1E-05	0.00049	1.6E-07	0.00083	4.00E-04	1.27051E-05	0.000599	9.21E-08	1.01E-03	0.000353	9.77E-06	0.001291	9.51E-08
5485	489375.14	3859164.55	0.17006	0.11946	0.09082	0.15062	3.10E-04	1E-05	0.00048	1.6E-07	0.0008	3.80E-04	1.2457E-05	0.00059	8.99E-08	9.82E-04	0.000335	9.58E-06	0.00127	9.29E-08
5486	489409.3	3859114.5	0.18895	0.12306	0.0926	0.15533	3.44E-04	1E-05	0.00049	1.7E-07	0.00085	4.22E-04	1.28323E-05	0.000601	9.27E-08	1.04E-03	0.000372	9.87E-06	0.001295	9.58E-08

5487	489434.87	3859131.81	0.18151	0.12135	0.09155	0.1526	3.31E-04	1E-05	0.00049	1.6E-07	0.00083	4.05E-04	1.2654E-05	0.000595	9.11E-08	1.01E-03	0.000357	9.73E-06	0.001281	9.41E-08
5488	489471.87	3859075.75	0.20203	0.12598	0.09363	0.15895	3.68E-04	1.1E-05	0.0005	1.7E-07	0.00088	4.51E-04	1.31368E-05	0.000608	9.49E-08	1.07E-03	0.000398	1.01E-05	0.00131	9.8E-08
5489	489602.62	3859164.69	0.16649	0.11692	0.0881	0.14525	3.03E-04	9.9E-06	0.00047	1.5E-07	0.00078	3.72E-04	1.21921E-05	0.000572	8.67E-08	9.56E-04	0.000328	9.38E-06	0.001232	8.96E-08
5490	489558.29	3859232.45	0.14947	0.11221	0.08594	0.13892	2.72E-04	9.5E-06	0.00046	1.5E-07	0.00074	3.34E-04	1.17009E-05	0.000558	8.29E-08	9.04E-04	0.000294	9E-06	0.001202	8.57E-08
5491	489620.11	3859273.56	0.1398	0.10849	0.08358	0.13372	2.55E-04	9.2E-06	0.00044	1.4E-07	0.00071	3.12E-04	1.1313E-05	0.000543	7.98E-08	8.67E-04	0.000275	8.7E-06	0.001169	8.24E-08
5492	489666.06	3859206.42	0.15434	0.11291	0.0856	0.13951	2.81E-04	9.6E-06	0.00045	1.5E-07	0.00075	3.45E-04	1.17739E-05	0.000556	8.33E-08	9.13E-04	0.000304	9.06E-06	0.001197	8.6E-08
5493	489787.9	3859285.65	0.13618	0.10601	0.08123	0.12963	2.48E-04	9E-06	0.00043	1.4E-07	0.00069	3.04E-04	1.10544E-05	0.000528	7.74E-08	8.43E-04	0.000268	8.5E-06	0.001136	7.99E-08
5494	489752.17	3859343.13	0.12642	0.1025	0.07959	0.12508	2.30E-04	8.7E-06	0.00042	1.3E-07	0.00066	2.82E-04	1.06884E-05	0.000517	7.47E-08	8.10E-04	0.000249	8.22E-06	0.001113	7.71E-08
5495	489814.94	3859385.33	0.11971	0.0993	0.0775	0.12062	2.18E-04	8.4E-06	0.00041	1.3E-07	0.00064	2.67E-04	1.03547E-05	0.000503	7.2E-08	7.81E-04	0.000236	7.97E-06	0.001084	7.44E-08
5496	489853.42	3859330.74	0.12791	0.10239	0.07892	0.12459	2.33E-04	8.7E-06	0.00042	1.3E-07	0.00066	2.86E-04	1.06769E-05	0.000513	7.44E-08	8.09E-04	0.000252	8.21E-06	0.001104	7.68E-08
5497	489969.5	3859401.91	0.11685	0.097	0.07538	0.11719	2.13E-04	8.3E-06	0.0004	1.3E-07	0.00062	2.61E-04	1.01149E-05	0.00049	6.99E-08	7.61E-04	0.00023	7.78E-06	0.001054	7.23E-08
5498	490166.91	3859486.96	0.10573	0.09059	0.07084	0.10901	1.93E-04	7.7E-06	0.00038	1.2E-07	0.00058	2.36E-04	9.44647E-06	0.00046	6.51E-08	7.06E-04	0.000208	7.27E-06	0.000991	6.72E-08
5499	490128.86	3859571.46	0.0972	0.08604	0.06851	0.10342	1.77E-04	7.3E-06	0.00036	1.1E-07	0.00055	2.17E-04	8.97201E-06	0.000445	6.17E-08	6.71E-04	0.000191	6.9E-06	0.000958	6.38E-08
5500	490186.65	3859593.65	0.09512	0.08458	0.06742	0.10143	1.73E-04	7.2E-06	0.00036	1.1E-07	0.00054	2.12E-04	8.81976E-06	0.000438	6.05E-08	6.59E-04	0.000187	6.78E-06	0.000943	6.25E-08
5501	490223.74	3859517.48	0.1024	0.08865	0.06951	0.10641	1.87E-04	7.5E-06	0.00037	1.1E-07	0.00056	2.29E-04	9.24417E-06	0.000451	6.35E-08	6.90E-04	0.000202	7.11E-06	0.000972	6.56E-08
5502	490846.34	3859817.22	0.07927	0.07405	0.05903	0.086	1.44E-04	6.3E-06	0.00031	9.2E-08	0.00046	1.77E-04	7.72172E-06	0.000383	5.13E-08	5.68E-04	0.000156	5.94E-06	0.000826	5.3E-08
5503	490925.65	3859844.59	0.07781	0.07311	0.05825	0.0843	1.42E-04	6.2E-06	0.00031	9E-08	0.00046	1.74E-04	7.6237E-06	0.000378	5.03E-08	5.60E-04	0.000153	5.86E-06	0.000815	5.2E-08
5504	491159.29	3859896.28	0.07449	0.0711	0.05637	0.08272	1.36E-04	6.1E-06	0.0003	8.8E-08	0.00044	1.66E-04	7.41411E-06	0.000366	4.94E-08	5.40E-04	0.000147	5.7E-06	0.000789	5.1E-08
5505	491370.69	3859960.89	0.07069	0.06829	0.05415	0.08018	1.29E-04	5.8E-06	0.00029	8.6E-08	0.00042	1.58E-04	7.12109E-06	0.000352	4.79E-08	5.17E-04	0.000139	5.48E-06	0.000758	4.94E-08
5506	491330.28	3860063.17	0.06538	0.06273	0.05094	0.07397	1.19E-04	5.3E-06	0.00027	7.9E-08	0.0004	1.46E-04	6.54131E-06	0.000331	4.41E-08	4.83E-04	0.000129	5.03E-06	0.000713	4.56E-08
5507	491636.45	3860180.75	0.06095	0.05948	0.04833	0.06972	1.11E-04	5.1E-06	0.00026	7.4E-08	0.00037	1.36E-04	6.20241E-06	0.000314	4.16E-08	4.56E-04	0.00012	4.77E-06	0.000676	4.3E-08
5508	491617.94	3860203.93	0.05995	0.05841	0.04771	0.06848	1.09E-04	5E-06	0.00025	7.3E-08	0.00037	1.34E-04	6.09083E-06	0.00031	4.09E-08	4.50E-04	0.000118	4.69E-06	0.000667	4.22E-08
5509	491805.68	3860271.59	0.05766	0.05668	0.04629	0.06633	1.05E-04	4.8E-06	0.00025	7.1E-08	0.00036	1.29E-04	5.91043E-06	0.000301	3.96E-08	4.35E-04	0.000114	4.55E-06	0.000648	4.09E-08
5510	491654.23	3860414.02	0.05274	0.05178	0.04352	0.06031	9.61E-05	4.4E-06	0.00023	6.4E-08	0.00033	1.18E-04	5.39947E-06	0.000283	3.6E-08	4.06E-04	0.000104	4.15E-06	0.000609	3.72E-08
5511	491592.62	3860510.76	0.04953	0.04902	0.04174	0.05723	9.03E-05	4.2E-06	0.00022	6.1E-08	0.00032	1.11E-04	5.11167E-06	0.000271	3.42E-08	3.87E-04	9.75E-05	3.93E-06	0.000584	3.53E-08
5512	491475.41	3860368.93	0.05336	0.05227	0.04407	0.06138	9.73E-05	4.4E-06	0.00023	6.5E-08	0.00034	1.19E-04	5.45057E-06	0.000286	3.66E-08	4.11E-04	0.000105	4.19E-06	0.000616	3.78E-08
5513	491445.61	3860337.28	0.05432	0.05309	0.04465	0.06241	9.90E-05	4.5E-06	0.00024	6.7E-08	0.00034	1.21E-04	5.53608E-06	0.00029	3.72E-08	4.17E-04	0.000107	4.26E-06	0.000625	3.85E-08
5514	491399.05	3860300.37	0.0556	0.05419	0.04545	0.06373	1.01E-04	4.6E-06	0.00024	6.8E-08	0.00035	1.24E-04	5.65078E-06	0.000295	3.8E-08	4.25E-04	0.00011	4.35E-06	0.000636	3.93E-08
5515	491228.84	3860235.98	0.05772	0.05608	0.04698	0.06613	1.05E-04	4.8E-06	0.00025	7.1E-08	0.00036	1.29E-04	5.84786E-06	0.000305	3.95E-08	4.40E-04	0.000114	4.5E-06	0.000657	4.08E-08
5516	491228.47	3860174.57	0.06018	0.05806	0.04827	0.06849	1.10E-04	4.9E-06	0.00026	7.3E-08	0.00037	1.34E-04	6.05433E-06	0.000314	4.09E-08	4.54E-04	0.000119	4.66E-06	0.000675	4.22E-08
5517	491145.77	3860112.55	0.06292	0.06037	0.04992	0.07116	1.15E-04	5.1E-06	0.00027	7.6E-08	0.00039	1.41E-04	6.29521E-06	0.000324	4.25E-08	4.71E-04	0.000124	4.84E-06	0.000698	4.39E-08
5518	490844.41	3859966.22	0.07044	0.06683	0.05474	0.07822	1.28E-04	5.7E-06	0.00029	8.3E-08	0.00043	1.57E-04	6.96884E-06	0.000356	4.67E-08	5.20E-04	0.000139	5.36E-06	0.000766	4.82E-08
5519	490845.55	3859928.15	0.0725	0.06839	0.05569	0.08	1.32E-04	5.8E-06	0.0003	8.5E-08	0.00043	1.62E-04	7.13152E-06	0.000362	4.77E-08	5.31E-04	0.000143	5.49E-06	0.000779	4.93E-08
5520	490046.91	3859625.6	0.0926	0.08437	0.0679	0.10165	1.69E-04	7.2E-06	0.00036	1.1E-07	0.00054	2.07E-04	8.79787E-06	0.000441	6.07E-08	6.57E-04	0.000182	6.77E-06	0.00095	6.27E-08
5521	489970.48	3859589.4	0.09599	0.08691	0.06971	0.10491	1.75E-04	7.4E-06	0.00037	1.1E-07	0.00055	2.14E-04	9.06273E-06	0.000453	6.26E-08	6.76E-04	0.000189	6.97E-06	0.000975	6.47E-08
5522	489865.89	3859529.06	0.10208	0.09108	0.07258	0.11023	1.86E-04	7.8E-06	0.00039	1.2E-07	0.00058	2.28E-04	9.49756E-06	0.000471	6.58E-08	7.09E-04	0.000201	7.31E-06	0.001015	6.8E-08
5523	489826.89	3859531.74	0.10206	0.09143	0.07293	0.11086	1.86E-04	7.8E-06	0.00039	1.2E-07	0.00058	2.28E-04	9.53406E-06	0.000474	6.62E-08	7.11E-04	0.000201	7.33E-06	0.00102	6.84E-08
5524	489410.47	3859303.06	0.1348	0.10886	0.08454	0.13601	2.46E-04	9.3E-06	0.00045	1.5E-07	0.0007	3.01E-04	1.13516E-05	0.000549	8.12E-08	8.62E-04	0.000265	8.73E-06	0.001183	8.39E-08
5525	489407.15	3859286.09	0.13787	0.11008	0.08528	0.13767	2.51E-04	9.4E-06	0.00045	1.5E-07	0.00071	3.08E-04	1.14788E-05	0.000554	8.22E-08	8.73E-04	0.000272	8.83E-06	0.001193	8.49E-08
5526	488806.07	3858963.62	0.3376	0.14223	0.10519	0.19074	6.15E-04	1.2E-05	0.00056	2E-07	0.00119	7.54E-04	1.48313E-05	0.000683	1.14E-07	1.45E-03	0.000665	1.14E-05	0.001472	1.18E-07
5527	488817.64	3859546.3	0.10216	0.08791	0.07149	0.10848	1.86E-04	7.5E-06	0.00038	1.2E-07	0.00057	2.28E-04	9.16701E-06	0.000464	6.47E-08	7.02E-04	0.000201	7.05E-06	0.001	6.69E-08
5528	489187.25	3859549.52	0.10419	0.0907	0.0731	0.11135	1.90E-04	7.7E-06	0.00039	1.2E-07	0.00059	2.33E-04	9.45794E-06	0.000475	6.65E-08	7.17E-04	0.000205	7.28E-06	0.001023	6.87E-08
5529	489187.66	3859523.74	0.10698	0.09246	0.07429	0.11374	1.95E-04	7.9E-06	0.00039	1.2E-07	0.0006	2.39E-04	9.64147E-06	0.000483	6.79E-08	7.31E-04	0.000211	7.42E-06	0.001039	7.01E-08
5530	489232.59	3859522.85	0.10751	0.09301	0.07466	0.11428	1.96E-04	7.9E-06	0.0004	1.2E-07	0.0006	2.40E-04	9.69882E-06	0.000485	6.82E-08	7.35E-04	0.000212	7.46E-06	0.001044	7.05E-08
5531	489224.98	3859759.91	0.08621	0.07844	0.06461	0.09498	1.57E-04	6.7E-06	0.00034	1E-07	0.00051	1.93E-04	8.1795E-06	0.00042	5.67E-08	6.20E-04	0.00017	6.29E-06	0.000904	5.86E-08
5532	488401.39	3859763.34	0.08226	0.07037	0.0618	0.08964	1.50E-04	6E-06	0.00033	9.6E-08	0.00048	1.84E-04	7.33798E-06	0.000401	5.35E-08	5.93E-04	0.000162	5.64E-06	0.000865	5.53E-08
5533	488405.51	3859966.16	0.07116	0.06238	0.05576	0.07854	1.30E-04	5.3E-06	0.0003	8.4E-08	0.00043	1.59E-04	6.50481E-06	0.000362	4.69E-08	5.28E-04	0.00014	5E-06	0.00078	4.84E-08
5534	489202.85	3859956.57	0.07437	0.06921	0.05825	0.08307	1.36E-04	5.9E-06	0.00031	8.9E-08	0.00045	1.66E-04	7.21702E-06	0.000378	4.96E-08	5.52E-04	0.000146	5.55E-06	0.000815	5.12E-08
5535	489191.9	3860676.74	0.04866	0.04643	0.04181	0.05466	8.87E-05	4E-06	0.00022	5.8E-08	0.00031	1.09E-04	4.84159E-06	0.000272	3.26E-08	3.85E-04	9.58E-05	3.72E-06	0.000585	3.37E-08
5536	488392.82	3860687.88	0.04792	0.04511	0.04059	0.05297	8.73E-05	3.8E-06	0.00022	5.7E-08	0.00031	1.07E-04	4.70394E-06	0.000264	3.16E-08	3.75E-04	9.44E-05	3.62E-06	0.000568	3.27E-08
5537	488392.82	3860760.27	0.04663	0.04417	0.0397	0.05131	8.50E-05	3.8E-06	0.00021	5.5E-08	0.0003	1.04E-04	4.60592E-06	0.000258	3.06E-08	3.67E-04	9.18E-05	3.54E-06	0.000555	3.16E-08
5538	487549.05	3860777.45	0.04525	0.03914	0.03888	0.04955	8.25E-05	3.3E-06	0.00021	5.3E-08	0.00029	1.01E-04	4.08141E-06	0.000253	2.96E-08	3.58E-04	8.91E-05	3.14E-06	0.000544	3.06E-08
5539	487554.62	3859571.83	0.08786	0.07482	0.06615	0.09977	1.60E-04	6.4E-06	0.00035	1.1E-07	0.00052	1.96E-04	7.80202E-06	0.00043	5.95E-08	6.34E-04	0.000173	6E-06	0.000925	6.15E-08
5540	485949.46	3859558.54	0.07496	0.07921	0.06709	0.0905	1.37E-04	6.7E-06	0.00036	9.7E-08	0.0005	1.67E-04	8.25979E-06	0.000436	5.4E-08	6.12E-04	0.000148	6.35E-06	0.000939	5.58E-08
5541	485947.55	3857943.61	0.2058	0.23976	0.20359	0.28399	3.75E-04	2E-05	0.00108	3E-07	0.00148	4.60E-04	2.50015E-05	0.001322	1.69E-07	1.81E-03	0.000405	1.92E-05	0.002848	1.75E-07
5542	484738.38	3857940.21	0.13422	0.11264	0.1468	0.16825	2.45E-04	9.6E-06	0.00078	1.8E-07	0.00103	3.00E-04	1.17458E-05	0.000954	1E-07	1.27E-03	0.000264	9.04E-06	0.002054	1.04E-07
5543	484737.06	3857535.68	0.16539	0.12478	0.18664	0.20825	3.01E-04	1.1E-05	0.00099	2.2E-07	0.0013	3.69E-04	1.30117E-05	0.001212	1.24E-07	1.59E-03	0.000326	1E-05	0.002611	1.28E-07
5544	483730.2	3857530.13	0.11839	0.09756	0.13068	0.13388	2.16E-04	8.3E-06	0.00069	1.4E-07	0.00092	2.64E-04	1.01733E-05	0.000849	7.99E-08	1.12E-03	0.000233	7.83E-06	0.001828	8.25E-08
5545	483727.27	3857130.01	0.13853	0.11318	0.15429	0.15407	2.53E-04	9.6E-06	0.00082	1.6E-07	0.00108	3.09E-04	1.18021E-05	0.001002	9.2E-08	1.32E-03	0.000273	9.08E-06	0.002158	9.5E-08
5546	483124.42	3857123.45	0.11183	0.10164	0.12037	0.11558	2.04E-04	8.6E-06	0.00064	1.2E-07	0.00085	2.50E-04	1.05987E-05	0.000782	6.9E-08	1.04E-03	0.00022	8.15E-06	0.001684	7.13E-08
5547	483111.13	3855921.03	0.16344	0.16809	0.16644	0.13638	2.98E-04	1.4E-05	0.00088	1.5E-07	0.0012	3.65E-04	1.7528E-05	0.001081	8.14E-08	1.46E-03	0.000322	1.35E-05	0.002328	8.41E-08

5548	482701.73	3855918.24	0.1339	0.14568	0.13259	0.10778	2.44E-04	1.2E-05	0.0007	1.1E-07	0.00096	2.99E-04	1.51911E-05	0.000861	6.43E-08	1.18E-03	0.000264	1.17E-05	0.001855	6.65E-08
5549	482668.02	3853521.78	0.14837	0.06989	0.0561	0.03694	2.70E-04	5.9E-06	0.0003	3.9E-08	0.00057	3.31E-04	7.28793E-06	0.000364	2.2E-08	7.03E-04	0.000292	5.61E-06	0.000785	2.28E-08
5550	482579.91	3853219.19	0.07774	0.06177	0.05255	0.03664	1.42E-04	5.3E-06	0.00028	3.9E-08	0.00043	1.74E-04	6.4412E-06	0.000341	2.19E-08	5.21E-04	0.000153	4.96E-06	0.000735	2.26E-08
5551	482434.06	3852961.94	0.06213	0.0538	0.04893	0.03579	1.13E-04	4.6E-06	0.00026	3.8E-08	0.00038	1.39E-04	5.61011E-06	0.000318	2.14E-08	4.62E-04	0.000122	4.32E-06	0.000684	2.21E-08
5552	482332.11	3852832.85	0.05663	0.04984	0.04637	0.03457	1.03E-04	4.2E-06	0.00025	3.7E-08	0.00035	1.26E-04	5.19717E-06	0.000301	2.06E-08	4.33E-04	0.000112	4E-06	0.000649	2.13E-08
5553	481334.99	3851818.96	0.03324	0.03077	0.03049	0.02358	6.06E-05	2.6E-06	0.00016	2.5E-08	0.00023	7.42E-05	3.20861E-06	0.000198	1.41E-08	2.76E-04	6.55E-05	2.47E-06	0.000427	1.45E-08
5554	481127.62	3851646.36	0.03073	0.02852	0.02827	0.02175	5.60E-05	2.4E-06	0.00015	2.3E-08	0.00021	6.86E-05	2.97398E-06	0.000184	1.3E-08	2.55E-04	6.05E-05	2.29E-06	0.000395	1.34E-08
5555	481025.04	3851591.73	0.02974	0.02759	0.02719	0.02063	5.42E-05	2.3E-06	0.00014	2.2E-08	0.0002	6.64E-05	2.87701E-06	0.000177	1.23E-08	2.46E-04	5.86E-05	2.21E-06	0.00038	1.27E-08
5556	480513.6	3851335.76	0.02502	0.02267	0.02222	0.01549	4.56E-05	1.9E-06	0.00012	1.7E-08	0.00017	5.59E-05	2.36396E-06	0.000144	9.25E-09	2.03E-04	4.93E-05	1.82E-06	0.000311	9.55E-09
5557	480523.56	3851317.66	0.02511	0.02284	0.0224	0.01575	4.58E-05	1.9E-06	0.00012	1.7E-08	0.00017	5.61E-05	2.38169E-06	0.000145	9.4E-09	2.04E-04	4.95E-05	1.83E-06	0.000313	9.71E-09
5558	476921.56	3849569.11	0.01125	0.01	0.01108	0.00809	2.05E-05	8.5E-07	5.9E-05	8.6E-09	8E-05	2.51E-05	1.04277E-06	7.2E-05	4.83E-09	9.81E-05	2.22E-05	8.02E-07	0.000155	4.99E-09
5559	476521.19	3849373.96	0.01045	0.00948	0.01029	0.0076	1.90E-05	8.1E-07	5.5E-05	8.1E-09	7.5E-05	2.33E-05	9.88548E-07	6.68E-05	4.54E-09	9.12E-05	2.06E-05	7.6E-07	0.000144	4.69E-09
5560	476391.45	3849333.38	0.01033	0.0094	0.01017	0.00755	1.88E-05	8E-07	5.4E-05	8.1E-09	7.4E-05	2.31E-05	9.80205E-07	6.61E-05	4.51E-09	9.01E-05	2.03E-05	7.54E-07	0.000142	4.66E-09
5561	476219.41	3849304.29	0.01024	0.00935	0.01007	0.00751	1.87E-05	8E-07	5.4E-05	8E-09	7.3E-05	2.29E-05	9.74992E-07	6.54E-05	4.48E-09	8.93E-05	2.02E-05	7.5E-07	0.000141	4.63E-09
5562	475679.11	3849218.47	0.00977	0.00915	0.00957	0.00714	1.78E-05	7.8E-07	5.1E-05	7.6E-09	6.9E-05	2.18E-05	9.54136E-07	6.22E-05	4.26E-09	8.49E-05	1.92E-05	7.34E-07	0.000134	4.4E-09
5563	475677.71	3849233.88	0.00983	0.0092	0.00963	0.00719	1.79E-05	7.8E-07	5.1E-05	7.7E-09	7E-05	2.20E-05	9.5935E-07	6.25E-05	4.29E-09	8.55E-05	1.94E-05	7.38E-07	0.000135	4.43E-09
5564	475492.74	3849204.66	0.0089	0.00863	0.0088	0.00608	1.62E-05	7.3E-07	4.7E-05	6.5E-09	6.4E-05	1.99E-05	8.99912E-07	5.72E-05	3.63E-09	7.79E-05	1.75E-05	6.92E-07	0.000123	3.75E-09
5565	475497.64	3849158.75	0.00911	0.00876	0.00898	0.0064	1.66E-05	7.5E-07	4.8E-05	6.8E-09	6.5E-05	2.03E-05	9.13468E-07	5.83E-05	3.82E-09	7.96E-05	1.79E-05	7.03E-07	0.000126	3.95E-09
5566	475391.35	3849141.94	0.00933	0.00889	0.00916	0.00672	1.70E-05	7.6E-07	4.9E-05	7.2E-09	6.6E-05	2.08E-05	9.27024E-07	5.95E-05	4.01E-09	8.13E-05	1.84E-05	7.13E-07	0.000128	4.14E-09
5567	475277	3849095.47	0.0093	0.00884	0.00913	0.00676	1.70E-05	7.5E-07	4.9E-05	7.2E-09	6.6E-05	2.08E-05	9.2181E-07	5.93E-05	4.03E-09	8.10E-05	1.83E-05	7.09E-07	0.000128	4.17E-09
5568	475183.93	3849025.66	0.00912	0.00868	0.00895	0.00663	1.66E-05	7.4E-07	4.8E-05	7.1E-09	6.5E-05	2.04E-05	9.05126E-07	5.81E-05	3.96E-09	7.94E-05	1.8E-05	6.96E-07	0.000125	4.09E-09
5569	474453.23	3848378.77	0.00789	0.00748	0.00779	0.0058	1.44E-05	6.4E-07	4.1E-05	6.2E-09	5.6E-05	1.76E-05	7.79993E-07	5.06E-05	3.46E-09	6.90E-05	1.55E-05	6E-07	0.000109	3.58E-09
5570	474569.63	3848399.34	0.00783	0.00745	0.00775	0.00573	1.43E-05	6.3E-07	4.1E-05	6.1E-09	5.6E-05	1.75E-05	7.76865E-07	5.03E-05	3.42E-09	6.86E-05	1.54E-05	5.98E-07	0.000108	3.53E-09
5571	474644.33	3848464.52	0.00797	0.00757	0.00788	0.00583	1.45E-05	6.4E-07	4.2E-05	6.2E-09	5.7E-05	1.78E-05	7.89378E-07	5.12E-05	3.48E-09	6.98E-05	1.57E-05	6.07E-07	0.00011	3.59E-09
5572	474719.04	3848529.7	0.00809	0.00768	0.00799	0.00591	1.47E-05	6.5E-07	4.2E-05	6.3E-09	5.8E-05	1.81E-05	8.00849E-07	5.19E-05	3.53E-09	7.08E-05	1.59E-05	6.16E-07	0.000112	3.64E-09
5573	474793.74	3848594.88	0.00816	0.00777	0.00806	0.00593	1.49E-05	6.6E-07	4.3E-05	6.3E-09	5.8E-05	1.82E-05	8.10234E-07	5.24E-05	3.54E-09	7.14E-05	1.61E-05	6.23E-07	0.000113	3.66E-09
5574	474868.45	3848660.07	0.00819	0.00783	0.0081	0.00589	1.49E-05	6.7E-07	4.3E-05	6.3E-09	5.9E-05	1.83E-05	8.1649E-07	5.26E-05	3.52E-09	7.17E-05	1.61E-05	6.28E-07	0.000113	3.63E-09
5575	474943.15	3848725.25	0.00827	0.00792	0.00818	0.00592	1.51E-05	6.7E-07	4.3E-05	6.3E-09	5.9E-05	1.85E-05	8.25875E-07	5.31E-05	3.53E-09	7.24E-05	1.63E-05	6.35E-07	0.000114	3.65E-09
5576	475017.86	3848790.43	0.00843	0.00807	0.00832	0.00604	1.54E-05	6.9E-07	4.4E-05	6.4E-09	6E-05	1.88E-05	8.41517E-07	5.4E-05	3.6E-09	7.37E-05	1.66E-05	6.47E-07	0.000116	3.72E-09
5577	475092.56	3848855.61	0.00862	0.00823	0.0085	0.0062	1.57E-05	7E-07	4.5E-05	6.6E-09	6.2E-05	1.93E-05	8.58201E-07	5.52E-05	3.7E-09	7.53E-05	1.7E-05	6.6E-07	0.000119	3.82E-09
5578	475232.58	3848959.38	0.00889	0.00847	0.00875	0.00641	1.62E-05	7.2E-07	4.6E-05	6.8E-09	6.3E-05	1.99E-05	8.83228E-07	5.68E-05	3.83E-09	7.76E-05	1.75E-05	6.79E-07	0.000122	3.95E-09
5579	475368.47	3849029.98	0.009	0.00859	0.00886	0.00645	1.64E-05	7.3E-07	4.7E-05	6.9E-09	6.4E-05	2.01E-05	8.95741E-07	5.75E-05	3.85E-09	7.86E-05	1.77E-05	6.89E-07	0.000124	3.98E-09
5580	475609.57	3849096.09	0.00905	0.00864	0.00895	0.00644	1.65E-05	7.4E-07	4.8E-05	6.9E-09	6.5E-05	2.02E-05	9.00955E-07	5.81E-05	3.84E-09	7.93E-05	1.78E-05	6.93E-07	0.000125	3.97E-09
5581	475680.68	3849116.62	0.00925	0.00877	0.00913	0.00666	1.69E-05	7.5E-07	4.9E-05	7.1E-09	6.6E-05	2.07E-05	9.14511E-07	5.93E-05	3.97E-09	8.09E-05	1.82E-05	7.04E-07	0.000128	4.11E-09
5582	475843.76	3849151.52	0.00947	0.0089	0.00935	0.00689	1.73E-05	7.6E-07	5E-05	7.4E-09	6.8E-05	2.12E-05	9.28067E-07	6.07E-05	4.11E-09	8.28E-05	1.87E-05	7.14E-07	0.000131	4.25E-09
5583	475935.73	3849165.89	0.0097	0.009	0.00955	0.0071	1.77E-05	7.7E-07	5.1E-05	7.6E-09	6.9E-05	2.17E-05	9.38495E-07	6.2E-05	4.24E-09	8.46E-05	1.91E-05	7.22E-07	0.000134	4.38E-09
5584	476027.71	3849180.27	0.00986	0.00906	0.00972	0.00725	1.80E-05	7.7E-07	5.2E-05	7.7E-09	7E-05	2.20E-05	9.44751E-07	6.31E-05	4.33E-09	8.61E-05	1.94E-05	7.27E-07	0.000136	4.47E-09
5585	476119.68	3849194.64	0.00975	0.00903	0.00962	0.00712	1.78E-05	7.7E-07	5.1E-05	7.6E-09	7E-05	2.18E-05	9.41623E-07	6.25E-05	4.25E-09	8.52E-05	1.92E-05	7.24E-07	0.000135	4.39E-09
5586	476211.65	3849209.01	0.00976	0.00903	0.00964	0.00711	1.78E-05	7.7E-07	5.1E-05	7.6E-09	7E-05	2.18E-05	9.41623E-07	6.26E-05	4.24E-09	8.54E-05	1.92E-05	7.24E-07	0.000135	4.38E-09
5587	476497.8	3849283.9	0.01	0.00918	0.00988	0.00724	1.82E-05	7.8E-07	5.2E-05	7.7E-09	7.2E-05	2.23E-05	9.57264E-07	6.42E-05	4.32E-09	8.75E-05	1.97E-05	7.36E-07	0.000138	4.46E-09
5588	476603.73	3849323.77	0.01016	0.00927	0.01004	0.00736	1.85E-05	7.9E-07	5.3E-05	7.9E-09	7.3E-05	2.27E-05	9.66649E-07	6.52E-05	4.39E-09	8.89E-05	2E-05	7.44E-07	0.00014	4.54E-09
5589	476728.99	3849382.76	0.01036	0.00941	0.01024	0.00749	1.89E-05	8E-07	5.4E-05	8E-09	7.4E-05	2.31E-05	9.81248E-07	6.65E-05	4.47E-09	9.06E-05	2.04E-05	7.55E-07	0.000143	4.62E-09
5590	476801.27	3849418.65	0.0105	0.00949	0.01037	0.00759	1.91E-05	8.1E-07	5.5E-05	8.1E-09	7.5E-05	2.35E-05	9.8959E-07	6.74E-05	4.53E-09	9.18E-05	2.07E-05	7.61E-07	0.000145	4.68E-09
5591	476956.2	3849495.05	0.0108	0.00967	0.01067	0.00778	1.97E-05	8.2E-07	5.7E-05	8.3E-09	7.7E-05	2.41E-05	1.00836E-06	6.93E-05	4.64E-09	9.44E-05	2.13E-05	7.76E-07	0.000149	4.8E-09
5592	477038.84	3849535.56	0.01088	0.00975	0.01075	0.00782	1.98E-05	8.3E-07	5.7E-05	8.3E-09	7.8E-05	2.43E-05	1.0167E-06	6.98E-05	4.67E-09	9.51E-05	2.14E-05	7.82E-07	0.00015	4.82E-09
5593	477121.48	3849576.08	0.01103	0.00985	0.01089	0.0079	2.01E-05	8.4E-07	5.8E-05	8.4E-09	7.9E-05	2.46E-05	1.02713E-06	7.07E-05	4.72E-09	9.64E-05	2.17E-05	7.9E-07	0.000152	4.87E-09
5594	477204.13	3849616.6	0.01112	0.00993	0.01098	0.00794	2.03E-05	8.4E-07	5.8E-05	8.5E-09	7.9E-05	2.48E-05	1.03547E-06	7.13E-05	4.74E-09	9.72E-05	2.19E-05	7.97E-07	0.000154	4.9E-09
5595	477286.78	3849657.12	0.011	0.00996	0.01088	0.00784	2.01E-05	8.5E-07	5.8E-05	8.4E-09	7.9E-05	2.46E-05	1.0386E-06	7.07E-05	4.68E-09	9.63E-05	2.17E-05	7.99E-07	0.000152	4.83E-09
5596	477369.42	3849697.63	0.01138	0.01011	0.01123	0.00809	2.07E-05	8.6E-07	6E-05	8.6E-09	8.1E-05	2.54E-05	1.05424E-06	7.29E-05	4.83E-09	9.94E-05	2.24E-05	8.11E-07	0.000157	4.99E-09
5597	477452.07	3849738.15	0.01146	0.01019	0.01131	0.00812	2.09E-05	8.7E-07	6E-05	8.7E-09	8.2E-05	2.56E-05	1.06258E-06	7.35E-05	4.85E-09	1.00E-04	2.26E-05	8.17E-07	0.000158	5.01E-09
5598	477534.71	3849778.67	0.01178	0.0104	0.0116	0.00829	2.15E-05	8.8E-07	6.2E-05	8.8E-09	8.4E-05	2.63E-05	1.08448E-06	7.53E-05	4.95E-09	1.03E-04	2.32E-05	8.34E-07	0.000162	5.11E-09
5599	477617.35	3849819.18	0.01189	0.0105	0.01169	0.00833	2.17E-05	8.9E-07	6.2E-05	8.9E-09	8.5E-05	2.66E-05	1.09491E-06	7.59E-05	4.97E-09	1.04E-04	2.34E-05	8.42E-07	0.000164	5.14E-09
5600	477824.74	3849896.37	0.01222	0.01068	0.01197	0.00842	2.23E-05	9.1E-07	6.4E-05	9E-09	8.7E-05	2.73E-05	1.11368E-06	7.77E-05	5.03E-09	1.06E-04	2.41E-05	8.57E-07	0.000167	5.19E-09
5601	477906.31	3849936.37	0.01202	0.0106	0.01178	0.00828	2.19E-05	9E-07	6.3E-05	8.8E-09	8.5E-05	2.68E-05	1.10534E-06	7.65E-05	4.94E-09	1.04E-04	2.37E-05	8.5E-07	0.000165	5.11E-09
5602	477987.89	3849976.36	0.01229	0.01088	0.012	0.00839	2.24E-05	9.3E-07	6.4E-05	9E-09	8.7E-05	2.75E-05	1.13454E-06	7.79E-05	5.01E-09	1.07E-04	2.42E-05	8.73E-07	0.000168	5.17E-09
5603	478069.47	3850016.36	0.01221	0.01077	0.01191	0.0083	2.23E-05	9.2E-07	6.3E-05	8.9E-09	8.6E-05	2.73E-05	1.12307E-06	7.74E-05	4.95E-09	1.06E-04	2.4E-05	8.64E-07	0.000167	5.12E-09
5604	478151.04	3850056.35	0.01216	0.01081	0.01184	0.00822	2.22E-05	9.2E-07	6.3E-05	8.8E-09	8.6E-05	2.72E-05	1.12724E-06	7.69E-05	4.91E-09	1.05E-04	2.39E-05	8.67E-07	0.000166	5.07E-09
5605	478232.62	3850096.35	0.01233	0.01093	0.01198	0.00827	2.25E-05	9.3E-07	6.4E-05	8.8E-09	8.7E-05	2.75E-05	1.13975E-06	7.78E-05	4.94E-09	1.07E-04	2.43E-05	8.77E-07	0.000168	5.1E-09
5606	478314.2	3850136.34	0.01255	0.01107	0.01215	0.00834	2.29E-05	9.4E-07	6.5E-05	8.9E-09	8.8E-05	2.80E-05	1.15435E-06	7.89E-05	4.98E-09	1.08E-04	2.47E-05	8.88E-07	0.00017	5.14E-09
5607	478395.77	3850176.34	0.01279	0.01123	0.01233	0.00841	2.33E-05	9.6E-07	6.6E-05	9E-09	9E-05	2.86E-05	1.17103E-06	8.01E-05	5.02E-09	1.10E-04	2.52E-05	9.01E-07	0.000172	5.19E-09
5608	478575.43	3850244.45	0.01334	0.01158	0.0127	0.00853	2.43E-05	9.9E-07	6.7E-05	9.1E-09	9.3E-05	2.98E-05	1.20753E-06	8.25E-05	5.09E-09	1.14E-04	2.63E-05	9.29E-07	0.000178	5.26E-09

5609	478665.06	3850287.29	0.01368	0.01205	0.01294	0.00864	2.49E-05	1E-06	6.9E-05	9.2E-09	9.5E-05	3.06E-05	1.25654E-06	8.4E-05	5.16E-09	1.16E-04	2.69E-05	9.67E-07	0.000181	5.33E-09
5610	478754.69	3850330.14	0.01406	0.0123	0.01324	0.00877	2.56E-05	1E-06	7E-05	9.4E-09	9.7E-05	3.14E-05	1.28261E-06	8.6E-05	5.23E-09	1.19E-04	2.77E-05	9.87E-07	0.000185	5.41E-09
5611	478844.32	3850372.99	0.01451	0.01259	0.01358	0.00894	2.64E-05	1.1E-06	7.2E-05	9.5E-09	1E-04	3.24E-05	1.31285E-06	8.82E-05	5.34E-09	1.22E-04	2.86E-05	1.01E-06	0.00019	5.51E-09
5612	478933.95	3850415.84	0.01499	0.01305	0.01395	0.00915	2.73E-05	1.1E-06	7.4E-05	9.8E-09	0.0001	3.35E-05	1.36082E-06	9.06E-05	5.46E-09	1.25E-04	2.95E-05	1.05E-06	0.000195	5.64E-09
5613	479023.58	3850458.68	0.0153	0.01321	0.01416	0.00925	2.79E-05	1.1E-06	7.5E-05	9.9E-09	0.0001	3.42E-05	1.3775E-06	9.2E-05	5.52E-09	1.28E-04	3.01E-05	1.06E-06	0.000198	5.7E-09
5614	479110.66	3850441.9	0.01573	0.01373	0.01443	0.0094	2.87E-05	1.2E-06	7.7E-05	1E-08	0.00011	3.51E-05	1.43173E-06	9.37E-05	5.61E-09	1.30E-04	3.1E-05	1.1E-06	0.000202	5.8E-09
5615	479191.22	3850423.99	0.01614	0.01418	0.01471	0.0096	2.94E-05	1.2E-06	7.8E-05	1E-08	0.00011	3.61E-05	1.47865E-06	9.55E-05	5.73E-09	1.33E-04	3.18E-05	1.14E-06	0.000206	5.92E-09
5616	479274.32	3850465.71	0.01656	0.0146	0.01504	0.00981	3.02E-05	1.2E-06	8E-05	1E-08	0.00011	3.70E-05	1.52245E-06	9.77E-05	5.86E-09	1.36E-04	3.26E-05	1.17E-06	0.00021	6.05E-09
5617	479357.43	3850507.42	0.01692	0.01504	0.01531	0.00997	3.08E-05	1.3E-06	8.1E-05	1.1E-08	0.00011	3.78E-05	1.56833E-06	9.94E-05	5.95E-09	1.39E-04	3.33E-05	1.21E-06	0.000214	6.15E-09
5618	479440.53	3850549.14	0.01725	0.01532	0.01557	0.0101	3.14E-05	1.3E-06	8.3E-05	1.1E-08	0.00012	3.85E-05	1.59753E-06	0.000101	6.03E-09	1.41E-04	3.4E-05	1.23E-06	0.000218	6.23E-09
5619	479523.64	3850590.85	0.01766	0.01579	0.0159	0.0103	3.22E-05	1.3E-06	8.4E-05	1.1E-08	0.00012	3.94E-05	1.64654E-06	0.000103	6.15E-09	1.44E-04	3.48E-05	1.27E-06	0.000222	6.35E-09
5620	479606.74	3850632.57	0.01816	0.01631	0.01634	0.01059	3.31E-05	1.4E-06	8.7E-05	1.1E-08	0.00012	4.06E-05	1.70076E-06	0.000106	6.32E-09	1.48E-04	3.58E-05	1.31E-06	0.000229	6.53E-09
5621	479777.37	3850707.61	0.01922	0.0175	0.01735	0.01128	3.50E-05	1.5E-06	9.2E-05	1.2E-08	0.00013	4.29E-05	1.82485E-06	0.000113	6.73E-09	1.57E-04	3.79E-05	1.4E-06	0.000243	6.95E-09
5622	479864.9	3850740.95	0.01988	0.01819	0.01803	0.01182	3.62E-05	1.5E-06	9.6E-05	1.3E-08	0.00013	4.44E-05	1.8968E-06	0.000117	7.05E-09	1.63E-04	3.92E-05	1.46E-06	0.000252	7.29E-09
5623	479931.87	3850829.56	0.02037	0.01852	0.01839	0.01203	3.71E-05	1.6E-06	9.8E-05	1.3E-08	0.00014	4.55E-05	1.93121E-06	0.000119	7.18E-09	1.67E-04	4.01E-05	1.49E-06	0.000257	7.42E-09
5624	479995.55	3850926.75	0.0209	0.0189	0.01877	0.01234	3.81E-05	1.6E-06	1E-04	1.3E-08	0.00014	4.67E-05	1.97084E-06	0.000122	7.37E-09	1.71E-04	4.12E-05	1.52E-06	0.000263	7.61E-09
5625	480079.78	3850968.64	0.02156	0.01954	0.01939	0.01297	3.93E-05	1.7E-06	0.0001	1.4E-08	0.00014	4.82E-05	2.03758E-06	0.000126	7.74E-09	1.76E-04	4.25E-05	1.57E-06	0.000271	8E-09
5626	480164.01	3851010.54	0.02221	0.0202	0.02001	0.01364	4.05E-05	1.7E-06	0.00011	1.5E-08	0.00015	4.96E-05	2.1064E-06	0.00013	8.14E-09	1.82E-04	4.37E-05	1.62E-06	0.00028	8.41E-09
5627	480248.23	3851052.43	0.02285	0.02087	0.02065	0.01437	4.17E-05	1.8E-06	0.00011	1.5E-08	0.00015	5.10E-05	2.17626E-06	0.000134	8.58E-09	1.87E-04	4.5E-05	1.67E-06	0.000289	8.86E-09
5628	480332.46	3851094.33	0.02351	0.02157	0.02132	0.01506	4.29E-05	1.8E-06	0.00011	1.6E-08	0.00016	5.25E-05	2.24926E-06	0.000138	8.99E-09	1.93E-04	4.63E-05	1.73E-06	0.000298	9.29E-09
5629	480416.69	3851136.22	0.02416	0.0223	0.02202	0.01568	4.40E-05	1.9E-06	0.00012	1.7E-08	0.00016	5.40E-05	2.32538E-06	0.000143	9.36E-09	1.99E-04	4.76E-05	1.79E-06	0.000308	9.67E-09
5630	480579.95	3851215.17	0.02546	0.0237	0.02346	0.01713	4.64E-05	2E-06	0.00012	1.8E-08	0.00017	5.69E-05	2.47137E-06	0.000152	1.02E-08	2.12E-04	5.01E-05	1.9E-06	0.000328	1.06E-08
5631	480658.98	3851252.22	0.02612	0.02435	0.02417	0.01793	4.76E-05	2.1E-06	0.00013	1.9E-08	0.00018	5.83E-05	2.53915E-06	0.000157	1.07E-08	2.18E-04	5.14E-05	1.95E-06	0.000338	1.11E-08
5632	480817.36	3851327.85	0.0274	0.02557	0.02561	0.01952	4.99E-05	2.2E-06	0.00014	2.1E-08	0.00019	6.12E-05	2.66637E-06	0.000166	1.17E-08	2.30E-04	5.4E-05	2.05E-06	0.000358	1.2E-08
5633	480896.72	3851366.42	0.02805	0.02616	0.02633	0.02028	5.11E-05	2.2E-06	0.00014	2.2E-08	0.00019	6.27E-05	2.72789E-06	0.000171	1.21E-08	2.36E-04	5.52E-05	2.1E-06	0.000368	1.25E-08
5634	480976.07	3851405	0.02869	0.02669	0.02704	0.02105	5.23E-05	2.3E-06	0.00014	2.2E-08	0.0002	6.41E-05	2.78316E-06	0.000176	1.26E-08	2.43E-04	5.65E-05	2.14E-06	0.000378	1.3E-08
5635	481178	3851487.31	0.03018	0.02773	0.02873	0.02288	5.50E-05	2.4E-06	0.00015	2.4E-08	0.00021	6.74E-05	2.89161E-06	0.000187	1.37E-08	2.57E-04	5.94E-05	2.22E-06	0.000402	1.41E-08
5636	481244.9	3851557.17	0.03099	0.02842	0.0294	0.02344	5.65E-05	2.4E-06	0.00016	2.5E-08	0.00022	6.92E-05	2.96356E-06	0.000191	1.4E-08	2.63E-04	6.1E-05	2.28E-06	0.000411	1.45E-08
5637	481311.81	3851627.03	0.03183	0.02917	0.03011	0.02397	5.80E-05	2.5E-06	0.00016	2.6E-08	0.00022	7.11E-05	3.04177E-06	0.000196	1.43E-08	2.70E-04	6.27E-05	2.34E-06	0.000421	1.48E-08
5638	481378.71	3851696.89	0.03274	0.02997	0.03087	0.02451	5.97E-05	2.6E-06	0.00016	2.6E-08	0.00023	7.31E-05	3.12519E-06	0.000201	1.46E-08	2.77E-04	6.45E-05	2.4E-06	0.000432	1.51E-08
5639	481445.61	3851766.76	0.03369	0.03079	0.03165	0.02508	6.14E-05	2.6E-06	0.00017	2.7E-08	0.00023	7.53E-05	3.21069E-06	0.000206	1.5E-08	2.84E-04	6.64E-05	2.47E-06	0.000443	1.55E-08
5640	481512.51	3851836.62	0.0347	0.03168	0.03249	0.02563	6.33E-05	2.7E-06	0.00017	2.7E-08	0.00024	7.75E-05	3.3035E-06	0.000211	1.53E-08	2.92E-04	6.83E-05	2.54E-06	0.000455	1.58E-08
5641	481579.42	3851906.48	0.03577	0.03263	0.03337	0.0262	6.52E-05	2.8E-06	0.00018	2.8E-08	0.00025	7.99E-05	3.40256E-06	0.000217	1.56E-08	3.00E-04	7.04E-05	2.62E-06	0.000467	1.62E-08
5642	481646.32	3851976.34	0.0369	0.03362	0.03428	0.0268	6.73E-05	2.9E-06	0.00018	2.9E-08	0.00025	8.24E-05	3.5058E-06	0.000223	1.6E-08	3.09E-04	7.27E-05	2.7E-06	0.00048	1.65E-08
5643	481713.22	3852046.2	0.03814	0.03477	0.03531	0.02728	6.95E-05	3E-06	0.00019	2.9E-08	0.00026	8.52E-05	3.62572E-06	0.000229	1.63E-08	3.18E-04	7.51E-05	2.79E-06	0.000494	1.68E-08
5644	481780.12	3852116.06	0.03941	0.03582	0.03628	0.02801	7.18E-05	3E-06	0.00019	3E-08	0.00027	8.80E-05	3.73521E-06	0.000236	1.67E-08	3.27E-04	7.76E-05	2.87E-06	0.000508	1.73E-08
5645	481847.03	3852185.92	0.04072	0.03684	0.03723	0.02887	7.42E-05	3.1E-06	0.0002	3.1E-08	0.00028	9.10E-05	3.84157E-06	0.000242	1.72E-08	3.37E-04	8.02E-05	2.96E-06	0.000521	1.78E-08
5646	481913.93	3852255.78	0.04206	0.03787	0.0382	0.02978	7.67E-05	3.2E-06	0.0002	3.2E-08	0.00028	9.40E-05	3.94898E-06	0.000248	1.78E-08	3.46E-04	8.28E-05	3.04E-06	0.000534	1.84E-08
5647	481980.83	3852325.65	0.04336	0.03885	0.03913	0.03076	7.90E-05	3.3E-06	0.00021	3.3E-08	0.00029	9.69E-05	4.05117E-06	0.000254	1.84E-08	3.55E-04	8.54E-05	3.12E-06	0.000547	1.9E-08
5648	482047.73	3852395.51	0.0449	0.04008	0.04024	0.03163	8.18E-05	3.4E-06	0.00021	3.4E-08	0.0003	1.00E-04	4.17943E-06	0.000261	1.89E-08	3.66E-04	8.84E-05	3.22E-06	0.000563	1.95E-08
5649	482114.64	3852465.37	0.04639	0.04121	0.04129	0.0326	8.46E-05	3.5E-06	0.00022	3.5E-08	0.00031	1.04E-04	4.29726E-06	0.000268	1.95E-08	3.76E-04	9.14E-05	3.31E-06	0.000578	2.01E-08
5650	482181.54	3852535.23	0.04828	0.04275	0.04264	0.03349	8.80E-05	3.6E-06	0.00023	3.6E-08	0.00032	1.08E-04	4.45785E-06	0.000277	2E-08	3.89E-04	9.51E-05	3.43E-06	0.000596	2.06E-08
5651	482338.69	3852700.04	0.053	0.04649	0.04589	0.03585	9.66E-05	4E-06	0.00024	3.8E-08	0.00034	1.18E-04	4.84785E-06	0.000298	2.14E-08	4.21E-04	0.000104	3.73E-06	0.000642	2.21E-08
5652	482404.05	3852767.78	0.05524	0.04825	0.04739	0.0369	1.01E-04	4.1E-06	0.00025	3.9E-08	0.00036	1.23E-04	5.03137E-06	0.000308	2.2E-08	4.36E-04	0.000109	3.87E-06	0.000663	2.28E-08
5653	482469.4	3852835.52	0.0577	0.05013	0.04899	0.03802	1.05E-04	4.3E-06	0.00026	4.1E-08	0.00037	1.29E-04	5.22741E-06	0.000318	2.27E-08	4.52E-04	0.000114	4.02E-06	0.000685	2.34E-08
5654	482534.75	3852903.25	0.06066	0.05234	0.0508	0.03914	1.11E-04	4.5E-06	0.00027	4.2E-08	0.00038	1.35E-04	5.45787E-06	0.00033	2.34E-08	4.71E-04	0.000119	4.2E-06	0.000711	2.41E-08
5655	482600.11	3852970.98	0.06398	0.05455	0.05262	0.04037	1.17E-04	4.6E-06	0.00028	4.3E-08	0.0004	1.43E-04	5.68832E-06	0.000342	2.41E-08	4.90E-04	0.000126	4.38E-06	0.000736	2.49E-08
5656	482706.71	3853119.28	0.0737	0.06056	0.05657	0.04218	1.34E-04	5.2E-06	0.0003	4.5E-08	0.00044	1.65E-04	6.31503E-06	0.000367	2.52E-08	5.38E-04	0.000145	4.86E-06	0.000791	2.6E-08
5657	482747.96	3853199.84	0.08019	0.06396	0.05825	0.04272	1.46E-04	5.4E-06	0.00031	4.6E-08	0.00046	1.79E-04	6.66957E-06	0.000378	2.55E-08	5.64E-04	0.000158	5.13E-06	0.000815	2.63E-08
5658	482789.21	3853280.4	0.08857	0.06752	0.05985	0.04319	1.61E-04	5.7E-06	0.00032	4.6E-08	0.00049	1.98E-04	7.04079E-06	0.000389	2.58E-08	5.94E-04	0.000174	5.42E-06	0.000837	2.66E-08
5659	482830.46	3853360.96	0.10054	0.07158	0.06159	0.0435	1.83E-04	6.1E-06	0.00033	4.6E-08	0.00052	2.25E-04	7.46416E-06	0.0004	2.6E-08	6.32E-04	0.000198	5.74E-06	0.000862	2.68E-08
5660	482871.71	3853441.52	0.11996	0.07599	0.06339	0.04376	2.19E-04	6.5E-06	0.00034	4.7E-08	0.00056	2.68E-04	7.92402E-06	0.000412	2.61E-08	6.88E-04	0.000236	6.1E-06	0.000887	2.7E-08
5661	482912.95	3853522.07	0.19288	0.08147	0.06566	0.04373	3.52E-04	6.9E-06	0.00035	4.7E-08	0.00071	4.31E-04	8.49546E-06	0.000426	2.61E-08	8.66E-04	0.00038	6.54E-06	0.000919	2.7E-08
5662	482954.2	3853602.63	0.59673	0.08739	0.06806	0.04375	1.09E-03	7.4E-06	0.00036	4.7E-08	0.00146	1.33E-03	9.11278E-06	0.000442	2.61E-08	1.78E-03	0.001175	7.01E-06	0.000952	2.7E-08
5663	482995.45	3853683.19	0.74376	0.09416	0.07084	0.04379	1.36E-03	8E-06	0.00038	4.7E-08	0.00174	1.66E-03	9.81874E-06	0.00046	2.61E-08	2.13E-03	0.001465	7.55E-06	0.000991	2.7E-08
5664	483036.7	3853763.75	0.75313	0.10168	0.074	0.0441	1.37E-03	8.7E-06	0.00039	4.7E-08	0.00177	1.68E-03	1.06029E-05	0.000481	2.63E-08	2.17E-03	0.001483	8.16E-06	0.001035	2.72E-08
5665	483214.2	3853909.91	0.50805	0.13128	0.0884	0.04502	9.26E-04	1.1E-05	0.00047	4.8E-08	0.00141	1.13E-03	1.36895E-05	0.000574	2.69E-08	1.72E-03	0.001001	1.05E-05	0.001237	2.78E-08
5666	483307.01	3853910.44	0.43871	0.13612	0.09438	0.04896	8.00E-04	1.2E-05	0.0005	5.2E-08	0.00131	9.80E-04	1.41942E-05	0.000613	2.92E-08	1.61E-03	0.000864	1.09E-05	0.00132	3.02E-08
5667	483399.83	3853910.96	0.38607	0.139	0.10065	0.05292	7.04E-04	1.2E-05	0.00053	5.6E-08	0.00125	8.62E-04	1.44945E-05	0.000654	3.16E-08	1.53E-03	0.00076	1.12E-05	0.001408	3.26E-08
5668	483494.52	3854009.24	0.38765	0.15959	0.11059	0.0561	7.07E-04	1.4E-05	0.00059	6E-08	0.00131	8.66E-04	1.66416E-05	0.000718	3.35E-08	1.60E-03	0.000763	1.28E-05	0.001547	3.46E-08
5669	483496.41	3854106.98	0.42959	0.18293	0.11474	0.05519	7.83E-04	1.6E-05	0.00061	5.9E-08	0.00141	9.60E-04	1.90754E-05	0.000745	3.29E-08	1.72E-03	0.000846	1.47E-05	0.001605	3.4E-08

5670	483577.56	3854261.96	0.47643	0.24735	0.13255	0.05331	8.68E-04	2.1E-05	0.0007	5.7E-08	0.00159	1.06E-03	2.5793E-05	0.000861	3.18E-08	1.95E-03	0.000938	1.98E-05	0.001854	3.29E-08
5671	483656.83	3854319.19	0.47801	0.28614	0.14585	0.05247	8.71E-04	2.4E-05	0.00077	5.6E-08	0.00167	1.07E-03	2.98379E-05	0.000947	3.13E-08	2.04E-03	0.000941	2.3E-05	0.00204	3.24E-08
5672	483736.1	3854376.41	0.4902	0.32786	0.16026	0.05143	8.94E-04	2.8E-05	0.00085	5.5E-08	0.00177	1.09E-03	3.41883E-05	0.001041	3.07E-08	2.17E-03	0.000965	2.63E-05	0.002242	3.17E-08
5673	483815.36	3854433.64	0.51415	0.36041	0.1759	0.05065	9.37E-04	3.1E-05	0.00093	5.4E-08	0.0019	1.15E-03	3.75825E-05	0.001143	3.02E-08	2.33E-03	0.001013	2.89E-05	0.002461	3.12E-08
5674	483894.63	3854490.87	0.54995	0.39554	0.19181	0.04993	1.00E-03	3.4E-05	0.00102	5.3E-08	0.00206	1.23E-03	4.12458E-05	0.001246	2.98E-08	2.52E-03	0.001083	3.17E-05	0.002683	3.08E-08
5675	483973.9	3854548.1	0.6089	0.42898	0.20858	0.04981	1.11E-03	3.7E-05	0.00111	5.3E-08	0.00225	1.36E-03	4.47328E-05	0.001355	2.97E-08	2.76E-03	0.001199	3.44E-05	0.002918	3.07E-08
5676	484053.17	3854605.32	0.73243	0.48695	0.23089	0.05143	1.34E-03	4.1E-05	0.00123	5.5E-08	0.0026	1.64E-03	5.07778E-05	0.0015	3.07E-08	3.19E-03	0.001442	3.91E-05	0.00323	3.17E-08
5677	484214.97	3854698.15	1.26727	0.76083	0.29245	0.05617	2.31E-03	6.5E-05	0.00155	6E-08	0.00393	2.83E-03	7.93372E-05	0.0019	3.35E-08	4.81E-03	0.002496	6.1E-05	0.004091	3.46E-08
5678	484297.5	3854733.74	1.64348	1.14857	0.34719	0.06152	3.00E-03	9.8E-05	0.00184	6.6E-08	0.00494	3.67E-03	0.00011977	0.002255	3.67E-08	6.05E-03	0.003237	9.21E-05	0.004857	3.79E-08
5679	484380.03	3854769.34	1.97185	1.67816	0.39493	0.06548	3.59E-03	0.00014	0.0021	7E-08	0.00584	4.40E-03	0.000174994	0.002565	3.91E-08	7.14E-03	0.003883	0.000135	0.005525	4.04E-08
5680	484462.56	3854804.94	2.53393	2.51071	0.48487	0.07341	4.62E-03	0.00021	0.00258	7.8E-08	0.00741	5.66E-03	0.00026181	0.003149	4.38E-08	9.07E-03	0.00499	0.000201	0.006783	4.53E-08
5681	484545.09	3854840.53	3.04029	3.39678	0.59519	0.07836	5.54E-03	0.00029	0.00316	8.4E-08	0.00899	6.79E-03	0.000354207	0.003866	4.68E-08	1.10E-02	0.005988	0.000272	0.008326	4.83E-08
5682	484691.88	3854912.58	3.67198	5.76368	1.97442	0.09719	6.69E-03	0.00049	0.01049	1E-07	0.01767	8.20E-03	0.00060102	0.012824	5.8E-08	2.16E-02	0.007232	0.000462	0.02762	5.99E-08
5683	484830.81	3855012.51	3.35464	6.73539	3.22574	0.13001	6.11E-03	0.00057	0.01714	1.4E-07	0.02383	7.49E-03	0.000702347	0.020952	7.76E-08	2.91E-02	0.006607	0.00054	0.045125	8.02E-08
5684	484905.48	3855075.97	3.41452	5.7051	3.61619	0.17987	6.22E-03	0.00049	0.01921	1.9E-07	0.02592	7.63E-03	0.000594912	0.023488	1.07E-07	3.17E-02	0.006725	0.000458	0.050587	1.11E-07
5685	484980.14	3855139.44	3.45991	4.28956	3.86482	0.42294	6.31E-03	0.00037	0.02053	4.5E-07	0.02721	7.73E-03	0.000447303	0.025103	2.52E-07	3.33E-02	0.006814	0.000344	0.054065	2.61E-07
5686	485054.81	3855202.91	3.46681	3.11284	4.0056	0.84794	6.32E-03	0.00026	0.02128	9E-07	0.02787	7.74E-03	0.000324598	0.026018	5.06E-07	3.41E-02	0.006828	0.00025	0.056034	5.23E-07
5687	485129.48	3855266.37	3.39227	2.25635	3.9752	1.13961	6.18E-03	0.00019	0.02112	1.2E-06	0.0275	7.58E-03	0.000235286	0.02582	6.8E-07	3.36E-02	0.006681	0.000181	0.055609	7.03E-07
5688	485204.15	3855329.84	3.48115	1.77721	4.15849	1.36983	6.35E-03	0.00015	0.02209	1.5E-06	0.02859	7.78E-03	0.000185322	0.027011	8.18E-07	3.50E-02	0.006856	0.000143	0.058173	8.45E-07
5689	485278.82	3855393.31	3.47546	1.38461	4.20296	1.50491	6.34E-03	0.00012	0.02233	1.6E-06	0.02879	7.76E-03	0.000144383	0.027299	8.98E-07	3.52E-02	0.006845	0.000111	0.058795	9.28E-07
5690	485353.48	3855456.77	3.50179	1.11217	4.2804	1.61056	6.38E-03	9.5E-05	0.02274	1.7E-06	0.02922	7.82E-03	0.000115974	0.027802	9.61E-07	3.57E-02	0.006897	8.92E-05	0.059878	9.93E-07
5691	485428.15	3855520.24	3.47925	0.91428	4.27185	1.66895	6.34E-03	7.8E-05	0.0227	1.8E-06	0.02912	7.77E-03	9.53385E-05	0.027747	9.96E-07	3.56E-02	0.006852	7.33E-05	0.059759	1.03E-06
5692	485502.82	3855583.71	3.47035	0.76933	4.27847	1.71324	6.33E-03	6.5E-05	0.02273	1.8E-06	0.02913	7.75E-03	8.02236E-05	0.02779	1.02E-06	3.56E-02	0.006835	6.17E-05	0.059851	1.06E-06
5693	485577.49	3855647.17	3.51457	0.66154	4.37638	1.78	6.41E-03	5.6E-05	0.02325	1.9E-06	0.02972	7.85E-03	6.89835E-05	0.028426	1.06E-06	3.63E-02	0.006922	5.31E-05	0.061221	1.1E-06
5694	485652.16	3855710.64	3.54039	0.57769	4.44018	1.84527	6.45E-03	4.9E-05	0.02359	2E-06	0.0301	7.91E-03	6.02399E-05	0.02884	1.1E-06	3.68E-02	0.006973	4.63E-05	0.062114	1.14E-06
5695	485726.83	3855774.1	3.53333	0.51256	4.43309	1.86888	6.44E-03	4.4E-05	0.02355	2E-06	0.03004	7.89E-03	5.34483E-05	0.028794	1.12E-06	3.67E-02	0.006959	4.11E-05	0.062014	1.15E-06
5696	485801.49	3855837.57	3.50004	0.46178	4.38455	1.86439	6.38E-03	3.9E-05	0.0233	2E-06	0.02972	7.82E-03	4.81531E-05	0.028479	1.11E-06	3.63E-02	0.006893	3.7E-05	0.061335	1.15E-06
5697	485876.16	3855901.04	3.50478	0.42176	4.39375	1.87699	6.39E-03	3.6E-05	0.02334	2E-06	0.02977	7.83E-03	4.39799E-05	0.028539	1.12E-06	3.64E-02	0.006903	3.38E-05	0.061464	1.16E-06
5698	485950.83	3855964.5	3.48287	0.39054	4.3761	1.87012	6.35E-03	3.3E-05	0.02325	2E-06	0.02963	7.78E-03	4.07244E-05	0.028424	1.12E-06	3.62E-02	0.006859	3.13E-05	0.061217	1.15E-06
5699	486025.5	3856027.97	3.43606	0.36575	4.31626	1.83809	6.26E-03	3.1E-05	0.02293	2E-06	0.02923	7.68E-03	3.81394E-05	0.028035	1.1E-06	3.57E-02	0.006767	2.93E-05	0.06038	1.13E-06
5700	486100.17	3856091.44	3.5097	0.34837	4.46691	1.9058	6.40E-03	3E-05	0.02373	2E-06	0.03016	7.84E-03	3.6327E-05	0.029014	1.14E-06	3.69E-02	0.006912	2.79E-05	0.062488	1.18E-06
5701	486174.83	3856154.9	3.44072	0.33465	4.35872	1.8539	6.27E-03	2.8E-05	0.02316	2E-06	0.02946	7.69E-03	3.48964E-05	0.028311	1.11E-06	3.60E-02	0.006776	2.68E-05	0.060974	1.14E-06
5702	486249.5	3856218.37	3.27589	0.32243	4.12369	1.75423	5.97E-03	2.7E-05	0.02191	1.9E-06	0.02791	7.32E-03	3.36221E-05	0.026785	1.05E-06	3.41E-02	0.006452	2.59E-05	0.057686	1.08E-06
5703	486324.17	3856281.84	3.24149	0.31045	4.04092	1.68691	5.91E-03	2.6E-05	0.02147	1.8E-06	0.02741	7.24E-03	3.23728E-05	0.026247	1.01E-06	3.35E-02	0.006384	2.49E-05	0.056528	1.04E-06
5704	486398.84	3856345.3	3.35893	0.31396	4.23872	1.69918	6.12E-03	2.7E-05	0.02252	1.8E-06	0.02867	7.50E-03	3.27389E-05	0.027532	1.01E-06	3.51E-02	0.006615	2.52E-05	0.059295	1.05E-06
5705	486473.51	3856408.77	3.39003	0.31748	4.3052	1.69156	6.18E-03	2.7E-05	0.02287	1.8E-06	0.02908	7.57E-03	3.31059E-05	0.027964	1.01E-06	3.56E-02	0.006677	2.55E-05	0.060225	1.04E-06
5706	486548.17	3856472.24	3.4467	0.32872	4.41346	1.708	6.28E-03	2.8E-05	0.02345	1.8E-06	0.02976	7.70E-03	3.4278E-05	0.028667	1.02E-06	3.64E-02	0.006788	2.64E-05	0.06174	1.05E-06
5707	486622.84	3856535.7	3.47514	0.34612	4.46532	1.72773	6.33E-03	2.9E-05	0.02373	1.8E-06	0.03009	7.76E-03	3.60924E-05	0.029004	1.03E-06	3.68E-02	0.006844	2.78E-05	0.062465	1.07E-06
5708	486765.48	3856659.69	3.49707	0.41796	4.49169	1.80635	6.37E-03	3.6E-05	0.02387	1.9E-06	0.03028	7.81E-03	4.35837E-05	0.029175	1.08E-06	3.70E-02	0.006887	3.35E-05	0.062834	1.11E-06
5709	486833.44	3856720.2	3.52516	0.46764	4.51482	1.8417	6.43E-03	4E-05	0.02399	2E-06	0.03046	7.87E-03	4.87642E-05	0.029325	1.1E-06	3.72E-02	0.006943	3.75E-05	0.063158	1.14E-06
5710	486901.41	3856780.72	3.5201	0.53955	4.4972	1.89563	6.42E-03	4.6E-05	0.02389	2E-06	0.03036	7.86E-03	5.62627E-05	0.029211	1.13E-06	3.71E-02	0.006933	4.33E-05	0.062911	1.17E-06
5711	486969.38	3856841.24	3.50612	0.64239	4.48121	1.94179	6.39E-03	5.5E-05	0.02381	2.1E-06	0.03026	7.83E-03	6.69866E-05	0.029107	1.16E-06	3.70E-02	0.006905	5.15E-05	0.062688	1.2E-06
5712	487037.34	3856901.75	3.46531	0.80112	4.46083	1.98808	6.32E-03	6.8E-05	0.0237	2.1E-06	0.03009	7.74E-03	8.35385E-05	0.028974	1.19E-06	3.68E-02	0.006825	6.43E-05	0.062403	1.23E-06
5713	487271.23	3856855.51	1.87474	0.63135	2.56166	1.40641	3.42E-03	5.4E-05	0.01361	1.5E-06	0.01708	4.19E-03	6.58354E-05	0.016639	8.39E-07	2.09E-02	0.003692	5.06E-05	0.035835	8.67E-07
5714	487368.96	3856857.29	1.63039	0.67832	2.25649	1.31222	2.97E-03	5.8E-05	0.01199	1.4E-06	0.01502	3.64E-03	7.07333E-05	0.014657	7.83E-07	1.84E-02	0.003211	5.44E-05	0.031566	8.09E-07
5715	487466.68	3856859.06	1.43893	0.75266	2.01055	1.24407	2.62E-03	6.4E-05	0.01068	1.3E-06	0.01337	3.21E-03	7.84853E-05	0.013059	7.43E-07	1.64E-02	0.002834	6.04E-05	0.028126	7.67E-07
5716	487636.44	3856930	1.2113	1.29892	1.74128	1.21613	2.21E-03	0.00011	0.00925	1.3E-06	0.01157	2.71E-03	0.000135448	0.01131	7.26E-07	1.42E-02	0.002386	0.000104	0.024359	7.5E-07
5717	487709.57	3856928.43	1.12769	1.31337	1.60476	1.17647	2.06E-03	0.00011	0.00853	1.3E-06	0.01069	2.52E-03	0.000136955	0.010423	7.02E-07	1.31E-02	0.002221	0.000105	0.022449	7.25E-07
5718	487782.54	3856841.96	1.0463	0.88805	1.4479	1.04541	1.91E-03	7.6E-05	0.00769	1.1E-06	0.00968	2.34E-03	9.26033E-05	0.009405	6.24E-07	1.18E-02	0.002061	7.12E-05	0.020255	6.45E-07
5719	487849.83	3856754.74	0.96887	0.64616	1.31757	0.94254	1.77E-03	5.5E-05	0.007	1E-06	0.00882	2.16E-03	6.73797E-05	0.008558	5.63E-07	1.08E-02	0.001908	5.18E-05	0.018431	5.81E-07
5720	487918.03	3856819.39	0.93577	0.84979	1.27792	0.97932	1.71E-03	7.2E-05	0.00679	1E-06	0.00857	2.09E-03	8.86137E-05	0.0083	5.85E-07	1.05E-02	0.001843	6.82E-05	0.017877	6.04E-07
5721	487918.8	3856886.37	0.94375	1.10893	1.29833	1.04019	1.72E-03	9.4E-05	0.0069	1.1E-06	0.00871	2.11E-03	0.000115636	0.008433	6.21E-07	1.07E-02	0.001859	8.9E-05	0.018162	6.41E-07
5722	488065.47	3857127.5	0.86502	2.362	1.11429	1.17198	1.58E-03	0.0002	0.00592	1.3E-06	0.0077	1.93E-03	0.000246303	0.007238	6.99E-07	9.42E-03	0.001704	0.000189	0.015588	7.23E-07
5723	488192.19	3857385.83	0.83945	2.46527	0.89669	1.40936	1.53E-03	0.00021	0.00476	1.5E-06	0.00651	1.88E-03	0.000257071	0.005824	8.41E-07	7.96E-03	0.001653	0.000198	0.012544	8.69E-07
5724	488191.22	3857473.87	0.86936	2.23891	0.86436	1.55342	1.58E-03	0.00019	0.00459	1.7E-06	0.00637	1.94E-03	0.000233467	0.005614	9.27E-07	7.79E-03	0.001712	0.00018	0.012092	9.58E-07
5725	488190.24	3857561.9	0.90639	1.9004	0.81914	1.72522	1.65E-03	0.00016	0.00435	1.8E-06	0.00617	2.02E-03	0.000198168	0.005321	1.03E-06	7.54E-03	0.001785	0.000152	0.011459	1.06E-06
5726	488158.35	3857691.13	0.98846	1.41277	0.6811	2.10463	1.80E-03	0.00012	0.00362	2.2E-06	0.00554	2.21E-03	0.00014732	0.004424	1.26E-06	6.78E-03	0.001947	0.000113	0.009528	1.3E-06
5727	488208.37	3857816.66	0.89133	0.95965	0.44211	2.40057	1.62E-03	8.2E-05	0.00235	2.6E-06	0.00406	1.99E-03	0.00010007	0.002872	1.43E-06	4.96E-03	0.001755	7.7E-05	0.006185	1.48E-06
5728	488271.97	3857874.6	0.79226	0.80205	0.37109	2.39111	1.44E-03	6.8E-05	0.00197	2.6E-06	0.00349	1.77E-03	8.36355E-05	0.00241	1.43E-06	4.27E-03	0.00156	6.43E-05	0.005191	1.47E-06
5729	488463.56	3857942.31	0.64127	0.64546	0.31117	1.80398	1.17E-03	5.5E-05	0.00165	1.9E-06	0.00288	1.43E-03	6.73067E-05	0.002021	1.08E-06	3.52E-03	0.001263	5.18E-05	0.004353	1.11E-06
5730	488554.83	3857940.83	0.60069	0.63187	0.30912	1.56057	1.09E-03	5.4E-05	0.00164	1.7E-06	0.00279	1.34E-03	6.58896E-05	0.002008	9.31E-07	3.42E-03	0.001183	5.07E-05	0.004324	9.62E-07

5731	488646.1	3857939.36	0.56593	0.61625	0.30625	1.37441	1.03E-03	5.2E-05	0.00163	1.5E-06	0.00271	1.26E-03	6.42608E-05	0.001989	8.2E-07	3.32E-03	0.001115	4.94E-05	0.004284	8.47E-07
5732	488737.37	3857937.88	0.53565	0.60011	0.30299	1.22756	9.76E-04	5.1E-05	0.00161	1.3E-06	0.00264	1.20E-03	6.25778E-05	0.001968	7.33E-07	3.23E-03	0.001055	4.81E-05	0.004239	7.57E-07
5733	488733.59	3857960.57	0.53284	0.57738	0.29275	1.20804	9.71E-04	4.9E-05	0.00156	1.3E-06	0.00258	1.19E-03	6.02076E-05	0.001901	7.21E-07	3.15E-03	0.001049	4.63E-05	0.004095	7.45E-07
5734	488638.09	3857961.57	0.56437	0.5924	0.29542	1.36259	1.03E-03	5E-05	0.00157	1.5E-06	0.00265	1.26E-03	6.17738E-05	0.001919	8.13E-07	3.24E-03	0.001112	4.75E-05	0.004133	8.4E-07
5735	488542.6	3857962.56	0.60062	0.6059	0.29736	1.56426	1.09E-03	5.2E-05	0.00158	1.7E-06	0.00273	1.34E-03	6.31815E-05	0.001931	9.34E-07	3.34E-03	0.001183	4.86E-05	0.00416	9.64E-07
5736	488447.1	3857963.56	0.64338	0.61752	0.29862	1.83383	1.17E-03	5.3E-05	0.00159	2E-06	0.00281	1.44E-03	6.43932E-05	0.00194	1.09E-06	3.44E-03	0.001267	4.95E-05	0.004177	1.13E-06
5737	488254.28	3857890.36	0.79705	0.77135	0.35673	2.52907	1.45E-03	6.6E-05	0.0019	2.7E-06	0.00342	1.78E-03	8.04342E-05	0.002317	1.51E-06	4.18E-03	0.00157	6.19E-05	0.00499	1.56E-06
5738	488191.69	3857833.06	0.89914	0.92171	0.42306	2.52344	1.64E-03	7.8E-05	0.00225	2.7E-06	0.00397	2.01E-03	9.61133E-05	0.002748	1.51E-06	4.85E-03	0.001771	7.39E-05	0.005918	1.56E-06
5739	488129.5	3857907.43	0.90278	0.74715	0.34212	3.39048	1.65E-03	6.4E-05	0.00182	3.6E-06	0.00353	2.02E-03	7.79107E-05	0.002222	2.02E-06	4.32E-03	0.001778	5.99E-05	0.004786	2.09E-06
5740	488196.47	3857968.73	0.79768	0.62651	0.29718	3.31246	1.45E-03	5.3E-05	0.00158	3.5E-06	0.00309	1.78E-03	6.53307E-05	0.00193	1.98E-06	3.78E-03	0.001571	5.03E-05	0.004157	2.04E-06
5741	488263.44	3858030.04	0.73248	0.53558	0.26461	2.46254	1.34E-03	4.6E-05	0.00141	2.6E-06	0.00279	1.64E-03	5.58488E-05	0.001719	1.47E-06	3.41E-03	0.001443	4.3E-05	0.003702	1.52E-06
5742	488400.64	3858132.9	0.65949	0.42434	0.22365	1.27673	1.20E-03	3.6E-05	0.00119	1.4E-06	0.00243	1.47E-03	4.4249E-05	0.001453	7.62E-07	2.97E-03	0.001299	3.4E-05	0.003129	7.87E-07
5743	488519.89	3858218.38	0.63472	0.35305	0.1959	0.85032	1.16E-03	3E-05	0.00104	9.1E-07	0.00223	1.42E-03	3.68151E-05	0.001272	5.08E-07	2.73E-03	0.00125	2.83E-05	0.00274	5.24E-07
5744	488647.97	3858214.99	0.56462	0.35895	0.19585	0.79259	1.03E-03	3.1E-05	0.00104	8.5E-07	0.0021	1.26E-03	3.74303E-05	0.001272	4.73E-07	2.57E-03	0.001112	2.88E-05	0.00274	4.89E-07
5745	488727.05	3858167.67	0.52435	0.39446	0.21113	0.84719	9.56E-04	3.4E-05	0.00112	9E-07	0.00211	1.17E-03	4.11332E-05	0.001371	5.06E-07	2.58E-03	0.001033	3.16E-05	0.002953	5.22E-07
5746	488806.12	3858120.35	0.49717	0.42804	0.22811	0.87853	9.06E-04	3.6E-05	0.00121	9.4E-07	0.00216	1.11E-03	4.46348E-05	0.001482	5.24E-07	2.64E-03	0.000979	3.43E-05	0.003191	5.42E-07
5747	488885.2	3858073.03	0.47817	0.4579	0.2444	0.8897	8.72E-04	3.9E-05	0.0013	9.5E-07	0.00221	1.07E-03	4.77485E-05	0.001587	5.31E-07	2.70E-03	0.000942	3.67E-05	0.003419	5.49E-07
5748	489055.76	3857991.17	0.448	0.50134	0.26965	0.84719	8.17E-04	4.3E-05	0.00143	9E-07	0.00229	1.00E-03	5.22783E-05	0.001751	5.06E-07	2.80E-03	0.000882	4.02E-05	0.003772	5.22E-07
5749	489245.39	3857944.54	0.41888	0.51214	0.27874	0.7552	7.64E-04	4.4E-05	0.00148	8.1E-07	0.00229	9.36E-04	5.34045E-05	0.00181	4.51E-07	2.80E-03	0.000825	4.11E-05	0.003899	4.66E-07
5750	489430.63	3857930.91	0.39045	0.49256	0.27335	0.66889	7.12E-04	4.2E-05	0.00145	7.1E-07	0.00221	8.72E-04	5.13628E-05	0.001775	3.99E-07	2.70E-03	0.000769	3.95E-05	0.003824	4.12E-07
5751	489517.74	3857929.36	0.37786	0.48012	0.26915	0.63243	6.89E-04	4.1E-05	0.00143	6.7E-07	0.00216	8.44E-04	5.00656E-05	0.001748	3.77E-07	2.64E-03	0.000744	3.85E-05	0.003765	3.9E-07
5752	489604.85	3857927.82	0.36605	0.4683	0.26511	0.59863	6.67E-04	4E-05	0.00141	6.4E-07	0.00212	8.18E-04	4.8833E-05	0.001722	3.57E-07	2.59E-03	0.000721	3.76E-05	0.003709	3.69E-07
5753	489691.97	3857926.28	0.35487	0.45568	0.26066	0.56932	6.47E-04	3.9E-05	0.00138	6.1E-07	0.00207	7.93E-04	4.7517E-05	0.001693	3.4E-07	2.53E-03	0.000699	3.66E-05	0.003646	3.51E-07
5754	489779.08	3857924.73	0.34427	0.44352	0.25634	0.54209	6.28E-04	3.8E-05	0.00136	5.8E-07	0.00203	7.69E-04	4.6249E-05	0.001665	3.24E-07	2.48E-03	0.000678	3.56E-05	0.003586	3.34E-07
5755	490017.54	3857875.08	0.32147	0.42688	0.25371	0.48808	5.86E-04	3.6E-05	0.00135	5.2E-07	0.00197	7.18E-04	4.45138E-05	0.001648	2.91E-07	2.41E-03	0.000633	3.42E-05	0.003549	3.01E-07
5756	490033.82	3857960.81	0.31338	0.39456	0.23586	0.4652	5.71E-04	3.4E-05	0.00125	5E-07	0.00186	7.00E-04	4.11436E-05	0.001532	2.78E-07	2.27E-03	0.000617	3.17E-05	0.003299	2.87E-07
5757	489959.15	3857987.49	0.3191	0.39272	0.23368	0.4774	5.82E-04	3.3E-05	0.00124	5.1E-07	0.00186	7.13E-04	4.09517E-05	0.001518	2.85E-07	2.27E-03	0.000628	3.15E-05	0.003269	2.94E-07
5758	489791.49	3858016.12	0.33511	0.40226	0.23607	0.50669	6.11E-04	3.4E-05	0.00125	5.4E-07	0.0019	7.49E-04	4.19465E-05	0.001533	3.02E-07	2.32E-03	0.00066	3.23E-05	0.003302	3.12E-07
5759	489698.51	3858018.07	0.34592	0.41148	0.23942	0.53235	6.31E-04	3.5E-05	0.00127	5.7E-07	0.00194	7.73E-04	4.2908E-05	0.001555	3.18E-07	2.37E-03	0.000681	3.3E-05	0.003349	3.28E-07
5760	489605.52	3858020.02	0.35741	0.42057	0.2426	0.56056	6.51E-04	3.6E-05	0.00129	6E-07	0.00198	7.98E-04	4.38559E-05	0.001576	3.35E-07	2.42E-03	0.000704	3.37E-05	0.003394	3.46E-07
5761	489512.53	3858021.96	0.36965	0.42951	0.24559	0.59173	6.74E-04	3.7E-05	0.0013	6.3E-07	0.00202	8.26E-04	4.47881E-05	0.001595	3.53E-07	2.47E-03	0.000728	3.45E-05	0.003436	3.65E-07
5762	489419.55	3858023.91	0.38261	0.43769	0.24808	0.62714	6.97E-04	3.7E-05	0.00132	6.7E-07	0.00205	8.55E-04	4.56411E-05	0.001611	3.74E-07	2.51E-03	0.000754	3.51E-05	0.00347	3.87E-07
5763	489228.47	3858041.29	0.41089	0.45022	0.25031	0.69761	7.49E-04	3.8E-05	0.00133	7.4E-07	0.00212	9.18E-04	4.69477E-05	0.001626	4.16E-07	2.59E-03	0.000809	3.61E-05	0.003502	4.3E-07
5764	489065.75	3858085.78	0.43629	0.43508	0.2393	0.7483	7.95E-04	3.7E-05	0.00127	8E-07	0.0021	9.75E-04	4.53689E-05	0.001554	4.47E-07	2.57E-03	0.000859	3.49E-05	0.003348	4.61E-07
5765	489001.12	3858114.86	0.4476	0.42157	0.23098	0.7532	8.16E-04	3.6E-05	0.00123	8E-07	0.00208	1.00E-03	4.39601E-05	0.0015	4.5E-07	2.54E-03	0.000882	3.38E-05	0.003231	4.64E-07
5766	488861.89	3858189.81	0.48223	0.38135	0.20802	0.72848	8.79E-04	3.2E-05	0.00111	7.8E-07	0.00202	1.08E-03	3.97661E-05	0.001351	4.35E-07	2.47E-03	0.00095	3.06E-05	0.00291	4.49E-07
5767	488787.28	3858235.69	0.51243	0.34999	0.19272	0.68934	9.34E-04	3E-05	0.00102	7.4E-07	0.00199	1.14E-03	3.6496E-05	0.001252	4.11E-07	2.43E-03	0.001009	2.81E-05	0.002696	4.25E-07
5768	488712.68	3858281.57	0.55548	0.32086	0.18099	0.6352	1.01E-03	2.7E-05	0.00096	6.8E-07	0.002	1.24E-03	3.34584E-05	0.001176	3.79E-07	2.45E-03	0.001094	2.57E-05	0.002532	3.92E-07
5769	488654.39	3858436.17	0.71018	0.24693	0.15573	0.42761	1.29E-03	2.1E-05	0.00083	4.6E-07	0.00214	1.59E-03	2.57492E-05	0.001012	2.55E-07	2.62E-03	0.001399	1.98E-05	0.002179	2.64E-07
5770	488726.3	3858505.26	0.72022	0.22525	0.14599	0.36433	1.31E-03	1.9E-05	0.00078	3.9E-07	0.00211	1.61E-03	2.34884E-05	0.000948	2.17E-07	2.58E-03	0.001418	1.81E-05	0.002042	2.25E-07
5771	488880.6	3858599.28	0.66556	0.20086	0.13364	0.30167	1.21E-03	1.7E-05	0.00071	3.2E-07	0.00194	1.49E-03	2.09451E-05	0.000868	1.8E-07	2.38E-03	0.001311	1.61E-05	0.001869	1.86E-07
5772	489008.06	3858714.75	0.65887	0.17678	0.12177	0.24914	1.20E-03	1.5E-05	0.00065	2.7E-07	0.00186	1.47E-03	1.84341E-05	0.000791	1.49E-07	2.28E-03	0.001298	1.42E-05	0.001703	1.54E-07
5773	489071.48	3858772.72	0.62753	0.16671	0.11659	0.22895	1.14E-03	1.4E-05	0.00062	2.4E-07	0.00178	1.40E-03	1.7384E-05	0.000757	1.37E-07	2.18E-03	0.001236	1.34E-05	0.001631	1.41E-07
5774	489244.59	3858920.19	0.34644	0.14479	0.10472	0.1894	6.32E-04	1.2E-05	0.00056	2E-07	0.0012	7.74E-04	1.50983E-05	0.00068	1.13E-07	1.47E-03	0.000682	1.16E-05	0.001465	1.17E-07
5775	489239.69	3858952.23	0.31528	0.14109	0.10298	0.18352	5.75E-04	1.2E-05	0.00055	2E-07	0.00113	7.04E-04	1.47125E-05	0.000669	1.1E-07	1.39E-03	0.000621	1.13E-05	0.001441	1.13E-07
5776	489121.67	3858854.49	0.52237	0.1543	0.11038	0.20636	9.52E-04	1.3E-05	0.00059	2.2E-07	0.00155	1.17E-03	1.609E-05	0.000717	1.23E-07	1.90E-03	0.001029	1.24E-05	0.001544	1.27E-07
5777	489059.59	3858797.27	0.65682	0.16297	0.11504	0.22224	1.20E-03	1.4E-05	0.00061	2.4E-07	0.00182	1.47E-03	1.69941E-05	0.000747	1.33E-07	2.23E-03	0.001294	1.31E-05	0.001609	1.37E-07
5778	488997.52	3858740.04	0.70478	0.17273	0.12016	0.2407	1.28E-03	1.5E-05	0.00064	2.6E-07	0.00194	1.57E-03	1.80118E-05	0.00078	1.44E-07	2.37E-03	0.001388	1.39E-05	0.001681	1.48E-07
5779	488935.44	3858682.82	0.71124	0.1832	0.1255	0.26251	1.30E-03	1.6E-05	0.00067	2.8E-07	0.00198	1.59E-03	1.91036E-05	0.000815	1.57E-07	2.42E-03	0.001401	1.47E-05	0.001756	1.62E-07
5780	488869.17	3858848.43	1.73815	0.15787	0.11356	0.21623	3.17E-03	1.3E-05	0.0006	2.3E-07	0.00379	3.88E-03	1.64622E-05	0.000738	1.29E-07	4.64E-03	0.003423	1.27E-05	0.001589	1.33E-07
5781	488932.48	3858892.69	0.83581	0.15135	0.10987	0.20459	1.52E-03	1.3E-05	0.00058	2.2E-07	0.00212	1.87E-03	1.57824E-05	0.000714	1.22E-07	2.60E-03	0.001646	1.21E-05	0.001537	1.26E-07
5782	489063.27	3858977.17	0.32301	0.14055	0.10362	0.1849	5.89E-04	1.2E-05	0.00055	2E-07	0.00115	7.22E-04	1.46562E-05	0.000673	1.1E-07	1.41E-03	0.000636	1.13E-05	0.00145	1.14E-07
5783	489248.2	3859117.15	0.18957	0.12516	0.09448	0.15953	3.46E-04	1.1E-05	0.0005	1.7E-07	0.00086	4.23E-04	1.30513E-05	0.000614	9.52E-08	1.05E-03	0.000373	1E-05	0.001322	9.84E-08
5784	489296.25	3859049.22	0.22704	0.13035	0.09711	0.16687	4.14E-04	1.1E-05	0.00052	1.8E-07	0.00094	5.07E-04	1.35925E-05	0.000631	9.96E-08	1.15E-03	0.000447	1.05E-05	0.001358	1.03E-07
5785	489353.38	3858993.96	0.25663	0.13525	0.09915	0.17374	4.68E-04	1.2E-05	0.00053	1.9E-07	0.00101	5.73E-04	1.41035E-05	0.000644	1.04E-07	1.23E-03	0.000505	1.08E-05	0.001387	1.07E-07
5786	489537.24	3859120.22	0.18222	0.12142	0.09086	0.1518	3.32E-04	1E-05	0.00048	1.6E-07	0.00083	4.07E-04	1.26613E-05	0.00059	9.06E-08	1.01E-03	0.000359	9.74E-06	0.001271	9.36E-08
5787	489726.98	3859246.04	0.14459	0.10938	0.08337	0.13441	2.64E-04	9.3E-06	0.00044	1.4E-07	0.00072	3.23E-04	1.14058E-05	0.000542	8.02E-08	8.76E-04	0.000285	8.77E-06	0.001166	8.29E-08
5788	489911.46	3859366.33	0.12228	0.10001	0.07735	0.12073	2.23E-04	8.5E-06	0.00041	1.3E-07	0.00064	2.73E-04	1.04288E-05	0.000502	7.21E-08	7.86E-04	0.000241	8.02E-06	0.001082	7.44E-08
5789	490035.3	3859430.26	0.11278	0.0946	0.0737	0.11433	2.06E-04	8E-06	0.00039	1.2E-07	0.00061	2.52E-04	9.86462E-06	0.000479	6.82E-08	7.41E-04	0.000222	7.59E-06	0.001031	7.05E-08
5790	490101.11	3859458.61	0.10913	0.09256	0.07225	0.11159	1.99E-04	7.9E-06	0.00038	1.2E-07	0.00059	2.44E-04	9.6519E-06	0.000469	6.66E-08	7.23E-04	0.000215	7.42E-06	0.001011	6.88E-08
5791	490312.68	3859560.3	0.09805	0.086	0.06765	0.10294	1.79E-04	7.3E-06	0.00036	1.1E-07	0.00055	2.19E-04	8.96784E-06	0.000439	6.14E-08	6.67E-04	0.000193	6.9E-06	0.000946	6.35E-08

5792	490401.63	3859603.12	0.09417	0.08363	0.06596	0.09969	1.72E-04	7.1E-06	0.00035	1.1E-07	0.00053	2.10E-04	8.7207E-06	0.000428	5.95E-08	6.48E-04	0.000185	6.71E-06	0.000923	6.15E-08
5793	490490.57	3859645.94	0.09064	0.08144	0.0644	0.09663	1.65E-04	6.9E-06	0.00034	1E-07	0.00051	2.02E-04	8.49233E-06	0.000418	5.77E-08	6.29E-04	0.000179	6.53E-06	0.000901	5.96E-08
5794	490579.51	3859688.76	0.08747	0.07949	0.06299	0.09374	1.59E-04	6.8E-06	0.00033	1E-07	0.0005	1.95E-04	8.28899E-06	0.000409	5.59E-08	6.13E-04	0.000172	6.38E-06	0.000881	5.78E-08
5795	490668.45	3859731.58	0.08472	0.07786	0.06178	0.09097	1.54E-04	6.6E-06	0.00033	9.7E-08	0.00049	1.89E-04	8.11902E-06	0.000401	5.43E-08	5.99E-04	0.000167	6.25E-06	0.000864	5.61E-08
5796	490757.4	3859774.4	0.08175	0.07573	0.06026	0.08845	1.49E-04	6.4E-06	0.00032	9.4E-08	0.00048	1.83E-04	7.89691E-06	0.000391	5.28E-08	5.82E-04	0.000161	6.07E-06	0.000843	5.45E-08
5797	491003.53	3859861.82	0.07652	0.07223	0.05748	0.08394	1.39E-04	6.1E-06	0.00031	9E-08	0.00045	1.71E-04	7.53194E-06	0.000373	5.01E-08	5.52E-04	0.000151	5.79E-06	0.000804	5.18E-08
5798	491081.41	3859879.05	0.07544	0.0716	0.05688	0.08331	1.38E-04	6.1E-06	0.0003	8.9E-08	0.00045	1.69E-04	7.46625E-06	0.000369	4.97E-08	5.45E-04	0.000149	5.74E-06	0.000796	5.14E-08
5799	491229.76	3859917.82	0.07319	0.07013	0.0556	0.08187	1.33E-04	6E-06	0.0003	8.7E-08	0.00043	1.63E-04	7.31296E-06	0.000361	4.89E-08	5.32E-04	0.000144	5.63E-06	0.000778	5.05E-08
5800	491300.22	3859939.35	0.07194	0.06921	0.05487	0.08103	1.31E-04	5.9E-06	0.00029	8.6E-08	0.00043	1.61E-04	7.21702E-06	0.000356	4.84E-08	5.24E-04	0.000142	5.55E-06	0.000768	5E-08
5801	491350.48	3860012.03	0.06795	0.06531	0.05244	0.07694	1.24E-04	5.6E-06	0.00028	8.2E-08	0.00041	1.52E-04	6.81034E-06	0.000341	4.59E-08	4.99E-04	0.000134	5.24E-06	0.000734	4.74E-08
5802	491406.82	3860092.56	0.06416	0.06182	0.05022	0.07283	1.17E-04	5.3E-06	0.00027	7.8E-08	0.00039	1.43E-04	6.44641E-06	0.000326	4.35E-08	4.76E-04	0.000126	4.96E-06	0.000703	4.49E-08
5803	491483.36	3860121.96	0.06304	0.061	0.04956	0.07175	1.15E-04	5.2E-06	0.00026	7.7E-08	0.00038	1.41E-04	6.36091E-06	0.000322	4.28E-08	4.69E-04	0.000124	4.89E-06	0.000693	4.42E-08
5804	491559.91	3860151.35	0.06189	0.06013	0.04887	0.07068	1.13E-04	5.1E-06	0.00026	7.5E-08	0.00038	1.38E-04	6.27019E-06	0.000317	4.22E-08	4.62E-04	0.000122	4.82E-06	0.000684	4.36E-08
5805	491711.81	3860237.76	0.06016	0.0593	0.04819	0.06764	1.10E-04	5E-06	0.00026	7.2E-08	0.00037	1.34E-04	6.18364E-06	0.000313	4.04E-08	4.54E-04	0.000118	4.76E-06	0.000674	4.17E-08
5806	491755.2	3860319.07	0.05552	0.05437	0.04493	0.06383	1.01E-04	4.6E-06	0.00024	6.8E-08	0.00034	1.24E-04	5.66955E-06	0.000292	3.81E-08	4.22E-04	0.000109	4.36E-06	0.000629	3.94E-08
5807	491704.71	3860366.54	0.05397	0.05284	0.04408	0.06187	9.84E-05	4.5E-06	0.00023	6.6E-08	0.00034	1.21E-04	5.51001E-06	0.000286	3.69E-08	4.12E-04	0.000106	4.24E-06	0.000617	3.81E-08
5808	491623.42	3860462.39	0.05092	0.05017	0.04247	0.05859	9.28E-05	4.3E-06	0.00023	6.3E-08	0.00032	1.14E-04	5.23159E-06	0.000276	3.5E-08	3.95E-04	0.0001	4.02E-06	0.000594	3.61E-08
5809	491534.02	3860439.85	0.05319	0.05268	0.04442	0.06	9.70E-05	4.5E-06	0.00024	6.4E-08	0.00034	1.19E-04	5.49332E-06	0.000289	3.58E-08	4.13E-04	0.000105	4.23E-06	0.000621	3.7E-08
5810	491313.95	3860268.17	0.05647	0.05494	0.04607	0.06479	1.03E-04	4.7E-06	0.00024	6.9E-08	0.00035	1.26E-04	5.72899E-06	0.000299	3.87E-08	4.31E-04	0.000111	4.41E-06	0.000644	3.99E-08
5811	491187.12	3860143.56	0.0616	0.05927	0.04914	0.06985	1.12E-04	5E-06	0.00026	7.5E-08	0.00038	1.38E-04	6.18051E-06	0.000319	4.17E-08	4.63E-04	0.000121	4.75E-06	0.000687	4.31E-08
5812	491070.43	3860075.97	0.06473	0.06194	0.0511	0.07286	1.18E-04	5.3E-06	0.00027	7.8E-08	0.00039	1.45E-04	6.45893E-06	0.000332	4.35E-08	4.83E-04	0.000127	4.97E-06	0.000715	4.49E-08
5813	490995.09	3860039.38	0.06643	0.06336	0.05216	0.07455	1.21E-04	5.4E-06	0.00028	8E-08	0.0004	1.48E-04	6.607E-06	0.000339	4.45E-08	4.94E-04	0.000131	5.08E-06	0.00073	4.6E-08
5814	490919.75	3860002.8	0.06823	0.06487	0.05329	0.0763	1.24E-04	5.5E-06	0.00028	8.1E-08	0.00041	1.52E-04	6.76446E-06	0.000346	4.55E-08	5.05E-04	0.000134	5.2E-06	0.000745	4.7E-08
5815	490756.81	3859894.53	0.07428	0.06981	0.05679	0.0818	1.35E-04	5.9E-06	0.0003	8.7E-08	0.00044	1.66E-04	7.27959E-06	0.000369	4.88E-08	5.42E-04	0.000146	5.6E-06	0.000794	5.04E-08
5816	490668.07	3859860.92	0.07595	0.07105	0.05778	0.08368	1.38E-04	6E-06	0.00031	8.9E-08	0.00045	1.70E-04	7.40889E-06	0.000375	4.99E-08	5.52E-04	0.00015	5.7E-06	0.000808	5.16E-08
5817	490579.34	3859827.3	0.07794	0.07265	0.05902	0.08573	1.42E-04	6.2E-06	0.00031	9.1E-08	0.00046	1.74E-04	7.57574E-06	0.000383	5.12E-08	5.65E-04	0.000154	5.83E-06	0.000826	5.29E-08
5818	490490.6	3859793.68	0.0798	0.07406	0.06013	0.08789	1.45E-04	6.3E-06	0.00032	9.4E-08	0.00047	1.78E-04	7.72277E-06	0.000391	5.25E-08	5.77E-04	0.000157	5.94E-06	0.000841	5.42E-08
5819	490401.86	3859760.07	0.08183	0.07563	0.06135	0.09021	1.49E-04	6.4E-06	0.00033	9.6E-08	0.00048	1.83E-04	7.88648E-06	0.000398	5.38E-08	5.89E-04	0.000161	6.07E-06	0.000858	5.56E-08
5820	490313.12	3859726.45	0.08417	0.07751	0.06279	0.09275	1.53E-04	6.6E-06	0.00033	9.9E-08	0.00049	1.88E-04	8.08252E-06	0.000408	5.54E-08	6.04E-04	0.000166	6.22E-06	0.000878	5.72E-08
5821	490224.39	3859692.83	0.08675	0.07962	0.06438	0.09551	1.58E-04	6.8E-06	0.00034	1E-07	0.00051	1.94E-04	8.30255E-06	0.000418	5.7E-08	6.20E-04	0.000171	6.39E-06	0.000901	5.89E-08
5822	490135.65	3859659.22	0.08964	0.082	0.06615	0.09849	1.63E-04	7E-06	0.00035	1.1E-07	0.00052	2.00E-04	8.55073E-06	0.00043	5.88E-08	6.39E-04	0.000177	6.58E-06	0.000925	6.07E-08
5823	489918.18	3859559.23	0.099	0.08904	0.07118	0.10752	1.80E-04	7.6E-06	0.00038	1.1E-07	0.00057	2.21E-04	9.28484E-06	0.000462	6.42E-08	6.93E-04	0.000195	7.14E-06	0.000996	6.63E-08
5824	489743.61	3859486	0.10712	0.09462	0.0751	0.11531	1.95E-04	8.1E-06	0.0004	1.2E-07	0.0006	2.39E-04	9.86671E-06	0.000488	6.88E-08	7.37E-04	0.000211	7.59E-06	0.001051	7.11E-08
5825	489660.32	3859440.27	0.11273	0.09791	0.07733	0.12004	2.05E-04	8.3E-06	0.00041	1.3E-07	0.00062	2.52E-04	1.02098E-05	0.000502	7.16E-08	7.64E-04	0.000222	7.85E-06	0.001082	7.4E-08
5826	489577.04	3859394.53	0.11911	0.10142	0.07967	0.12505	2.17E-04	8.6E-06	0.00042	1.3E-07	0.00065	2.66E-04	1.05758E-05	0.000517	7.46E-08	7.94E-04	0.000235	8.14E-06	0.001115	7.71E-08
5827	489493.75	3859348.8	0.12633	0.10499	0.08202	0.13038	2.30E-04	8.9E-06	0.00044	1.4E-07	0.00068	2.82E-04	1.09481E-05	0.000533	7.78E-08	8.26E-04	0.000249	8.42E-06	0.001147	8.04E-08
5828	489321.28	3859240.02	0.1485	0.11411	0.08786	0.14392	2.71E-04	9.7E-06	0.00047	1.5E-07	0.00075	3.32E-04	1.18991E-05	0.000571	8.59E-08	9.14E-04	0.000292	9.15E-06	0.001229	8.87E-08
5829	489235.41	3859193.96	0.16173	0.11876	0.09079	0.1505	2.95E-04	1E-05	0.00048	1.6E-07	0.00079	3.61E-04	1.2384E-05	0.00059	8.98E-08	9.63E-04	0.000319	9.53E-06	0.00127	9.28E-08
5830	489149.54	3859147.89	0.17811	0.12271	0.09327	0.15758	3.25E-04	1E-05	0.0005	1.7E-07	0.00083	3.98E-04	1.27959E-05	0.000606	9.41E-08	1.02E-03	0.000351	9.84E-06	0.001305	9.72E-08
5831	489063.68	3859101.82	0.2001	0.12751	0.09625	0.16505	3.65E-04	1.1E-05	0.00051	1.8E-07	0.00089	4.47E-04	1.32964E-05	0.000625	9.85E-08	1.09E-03	0.000394	1.02E-05	0.001346	1.02E-07
5832	488977.81	3859055.75	0.23005	0.13264	0.09939	0.173	4.19E-04	1.1E-05	0.00053	1.8E-07	0.00096	5.14E-04	1.38313E-05	0.000646	1.03E-07	1.17E-03	0.000453	1.06E-05	0.00139	1.07E-07
5833	488891.94	3859009.69	0.27015	0.13703	0.10206	0.18158	4.92E-04	1.2E-05	0.00054	1.9E-07	0.00105	6.03E-04	1.42891E-05	0.000663	1.08E-07	1.28E-03	0.000532	1.1E-05	0.001428	1.12E-07
5834	488808	3859060.73	0.22172	0.13039	0.09838	0.17106	4.04E-04	1.1E-05	0.00052	1.8E-07	0.00094	4.95E-04	1.35967E-05	0.000639	1.02E-07	1.15E-03	0.000437	1.05E-05	0.001376	1.05E-07
5835	488809.93	3859157.85	0.17392	0.11966	0.09189	0.15424	3.17E-04	1E-05	0.00049	1.6E-07	0.00082	3.88E-04	1.24778E-05	0.000597	9.21E-08	9.98E-04	0.000343	9.6E-06	0.001285	9.51E-08
5836	488811.85	3859254.96	0.14585	0.11	0.08581	0.13997	2.66E-04	9.4E-06	0.00046	1.5E-07	0.00073	3.26E-04	1.14705E-05	0.000557	8.35E-08	8.95E-04	0.000287	8.82E-06	0.0012	8.63E-08
5837	488813.78	3859352.07	0.12672	0.10148	0.08033	0.12781	2.31E-04	8.6E-06	0.00043	1.4E-07	0.00067	2.83E-04	1.0582E-05	0.000522	7.63E-08	8.15E-04	0.00025	8.14E-06	0.001124	7.88E-08
5838	488815.71	3859449.19	0.11292	0.09428	0.07564	0.11745	2.06E-04	8E-06	0.0004	1.3E-07	0.00062	2.52E-04	9.83125E-06	0.000491	7.01E-08	7.53E-04	0.000222	7.56E-06	0.001058	7.24E-08
5839	488910.04	3859547.1	0.10238	0.08844	0.07168	0.10924	1.87E-04	7.5E-06	0.00038	1.2E-07	0.00058	2.29E-04	9.22227E-06	0.000466	6.52E-08	7.04E-04	0.000202	7.09E-06	0.001003	6.74E-08
5840	489002.45	3859547.91	0.10296	0.08918	0.07209	0.10995	1.88E-04	7.6E-06	0.00038	1.2E-07	0.00058	2.30E-04	9.29944E-06	0.000468	6.56E-08	7.08E-04	0.000203	7.15E-06	0.001008	6.78E-08
5841	489094.85	3859548.71	0.10359	0.09002	0.07263	0.11064	1.89E-04	7.7E-06	0.00039	1.2E-07	0.00058	2.31E-04	9.38703E-06	0.000472	6.6E-08	7.13E-04	0.000204	7.22E-06	0.001016	6.82E-08
5842	489230.05	3859601.87	0.09921	0.08756	0.07097	0.1071	1.81E-04	7.5E-06	0.00038	1.1E-07	0.00057	2.22E-04	9.13051E-06	0.000461	6.39E-08	6.92E-04	0.000195	7.02E-06	0.000993	6.6E-08
5843	489227.52	3859680.89	0.09226	0.08281	0.06767	0.10071	1.68E-04	7E-06	0.00036	1.1E-07	0.00053	2.06E-04	8.63519E-06	0.00044	6.01E-08	6.54E-04	0.000182	6.64E-06	0.000947	6.21E-08
5844	489133.47	3859760.29	0.0858	0.07788	0.0643	0.09448	1.56E-04	6.6E-06	0.00034	1E-07	0.0005	1.92E-04	8.12111E-06	0.000418	5.64E-08	6.17E-04	0.000169	6.25E-06	0.000899	5.83E-08
5845	489041.96	3859760.67	0.08543	0.07729	0.06402	0.09394	1.56E-04	6.6E-06	0.00034	1E-07	0.0005	1.91E-04	8.05958E-06	0.000416	5.61E-08	6.15E-04	0.000168	6.2E-06	0.000896	5.79E-08
5846	488950.45	3859761.05	0.08492	0.07662	0.06374	0.09327	1.55E-04	6.5E-06	0.00034	9.9E-08	0.0005	1.90E-04	7.98972E-06	0.000414	5.57E-08	6.12E-04	0.000167	6.15E-06	0.000892	5.75E-08
5847	488858.94	3859761.43	0.08454	0.07601	0.06353	0.09252	1.54E-04	6.5E-06	0.00034	9.9E-08	0.0005	1.89E-04	7.92611E-06	0.000413	5.52E-08	6.09E-04	0.000166	6.1E-06	0.000889	5.7E-08
5848	488767.43	3859761.82	0.08397	0.07501	0.06311	0.09164	1.53E-04	6.4E-06	0.00034	9.8E-08	0.00049	1.88E-04	7.82183E-06	0.00041	5.47E-08	6.05E-04	0.000165	6.02E-06	0.000883	5.65E-08
5849	488675.92	3859762.2	0.08371	0.07409	0.06288	0.091	1.53E-04	6.3E-06	0.00033	9.7E-08	0.00049	1.87E-04	7.7259E-06	0.000408	5.43E-08	6.03E-04	0.000165	5.94E-06	0.00088	5.61E-08
5850	488584.41	3859762.58	0.08322	0.07279	0.06251	0.09048	1.52E-04	6.2E-06	0.00033	9.7E-08	0.00049	1.86E-04	7.59034E-06	0.000406	5.4E-08	6.00E-04	0.000164	5.84E-06	0.000874	5.58E-08
5851	488492.9	3859762.96	0.08282	0.07156	0.06223	0.09014	1.51E-04	6.1E-06	0.00033	9.6E-08	0.00049	1.85E-04	7.46207E-06	0.000404	5.38E-08	5.97E-04	0.000163	5.74E-06	0.000871	5.56E-08
5852	488402.76	3859830.95	0.07843	0.06768	0.05984	0.08578	1.43E-04	5.8E-06	0.00032	9.2E-08	0.00047	1.75E-04	7.05748E-06	0.000389	5.12E-08	5.71E-04	0.000154	5.43E-06	0.000837	5.29E-08

5853	488404.14	3859898.55	0.07447	0.06479	0.05765	0.08195	1.36E-04	5.5E-06	0.00031	8.7E-08	0.00045	1.66E-04	6.75612E-06	0.000374	4.89E-08	5.48E-04	0.000147	5.2E-06	0.000806	5.05E-08
5854	488505.18	3859964.96	0.07143	0.06296	0.05612	0.07899	1.30E-04	5.4E-06	0.0003	8.4E-08	0.00043	1.60E-04	6.56529E-06	0.000365	4.71E-08	5.31E-04	0.000141	5.05E-06	0.000785	4.87E-08
5855	488604.84	3859963.76	0.07174	0.06397	0.05645	0.07931	1.31E-04	5.4E-06	0.0003	8.5E-08	0.00044	1.60E-04	6.67061E-06	0.000367	4.73E-08	5.34E-04	0.000141	5.13E-06	0.00079	4.89E-08
5856	488704.51	3859962.56	0.07215	0.0652	0.0568	0.07971	1.32E-04	5.5E-06	0.0003	8.5E-08	0.00044	1.61E-04	6.79887E-06	0.000369	4.76E-08	5.37E-04	0.000142	5.23E-06	0.000795	4.91E-08
5857	488804.18	3859961.37	0.07264	0.06637	0.05718	0.08031	1.32E-04	5.6E-06	0.0003	8.6E-08	0.00044	1.62E-04	6.92088E-06	0.000371	4.79E-08	5.41E-04	0.000143	5.32E-06	0.0008	4.95E-08
5858	488903.85	3859960.17	0.07316	0.06734	0.05755	0.08109	1.33E-04	5.7E-06	0.00031	8.7E-08	0.00044	1.63E-04	7.02202E-06	0.000374	4.84E-08	5.44E-04	0.000144	5.4E-06	0.000805	5E-08
5859	489003.52	3859958.97	0.07359	0.06801	0.05779	0.08186	1.34E-04	5.8E-06	0.00031	8.7E-08	0.00045	1.64E-04	7.09189E-06	0.000375	4.89E-08	5.47E-04	0.000145	5.46E-06	0.000808	5.05E-08
5860	489103.18	3859957.77	0.07396	0.06857	0.05799	0.08252	1.35E-04	5.8E-06	0.00031	8.8E-08	0.00045	1.65E-04	7.15029E-06	0.000377	4.93E-08	5.49E-04	0.000146	5.5E-06	0.000811	5.09E-08
5861	489201.48	3860046.59	0.07002	0.06561	0.05578	0.07849	1.28E-04	5.6E-06	0.0003	8.4E-08	0.00043	1.56E-04	6.84163E-06	0.000362	4.68E-08	5.26E-04	0.000138	5.26E-06	0.00078	4.84E-08
5862	489200.11	3860136.61	0.06602	0.06218	0.05339	0.07426	1.20E-04	5.3E-06	0.00028	7.9E-08	0.00041	1.47E-04	6.48395E-06	0.000347	4.43E-08	5.01E-04	0.00013	4.99E-06	0.000747	4.58E-08
5863	489198.74	3860226.63	0.06246	0.05907	0.0512	0.07037	1.14E-04	5E-06	0.00027	7.5E-08	0.00039	1.40E-04	6.15965E-06	0.000333	4.2E-08	4.78E-04	0.000123	4.74E-06	0.000716	4.34E-08
5864	489197.38	3860316.65	0.05914	0.05612	0.04906	0.06673	1.08E-04	4.8E-06	0.00026	7.1E-08	0.00037	1.32E-04	5.85203E-06	0.000319	3.98E-08	4.57E-04	0.000116	4.5E-06	0.000686	4.11E-08
5865	489196.01	3860406.68	0.05625	0.05352	0.04714	0.0634	1.03E-04	4.6E-06	0.00025	6.8E-08	0.00036	1.26E-04	5.58091E-06	0.000306	3.78E-08	4.37E-04	0.000111	4.29E-06	0.000659	3.91E-08
5866	489194.64	3860496.7	0.05337	0.05086	0.04515	0.0602	9.73E-05	4.3E-06	0.00024	6.4E-08	0.00034	1.19E-04	5.30354E-06	0.000293	3.59E-08	4.18E-04	0.000105	4.08E-06	0.000632	3.71E-08
5867	489193.27	3860586.72	0.05094	0.04859	0.04344	0.05733	9.29E-05	4.1E-06	0.00023	6.1E-08	0.00033	1.14E-04	5.06683E-06	0.000282	3.42E-08	4.01E-04	0.0001	3.9E-06	0.000608	3.53E-08
5868	489092.02	3860678.13	0.04832	0.04574	0.04155	0.05417	8.81E-05	3.9E-06	0.00022	5.8E-08	0.00031	1.08E-04	4.76964E-06	0.00027	3.23E-08	3.83E-04	9.52E-05	3.67E-06	0.000581	3.34E-08
5869	488992.13	3860679.52	0.04799	0.04501	0.0413	0.05382	8.75E-05	3.8E-06	0.00022	5.7E-08	0.00031	1.07E-04	4.69352E-06	0.000268	3.21E-08	3.80E-04	9.45E-05	3.61E-06	0.000578	3.32E-08
5870	488892.24	3860680.92	0.04777	0.0444	0.0411	0.05365	8.71E-05	3.8E-06	0.00022	5.7E-08	0.00031	1.07E-04	4.62991E-06	0.000267	3.2E-08	3.78E-04	9.41E-05	3.56E-06	0.000575	3.31E-08
5871	488792.36	3860682.31	0.04756	0.04391	0.04086	0.05354	8.67E-05	3.7E-06	0.00022	5.7E-08	0.00031	1.06E-04	4.57881E-06	0.000265	3.2E-08	3.76E-04	9.37E-05	3.52E-06	0.000572	3.3E-08
5872	488692.47	3860683.7	0.0475	0.04378	0.0407	0.0535	8.66E-05	3.7E-06	0.00022	5.7E-08	0.00031	1.06E-04	4.56525E-06	0.000264	3.19E-08	3.75E-04	9.35E-05	3.51E-06	0.000569	3.3E-08
5873	488592.59	3860685.1	0.04728	0.04372	0.04038	0.05325	8.62E-05	3.7E-06	0.00021	5.7E-08	0.0003	1.06E-04	4.559E-06	0.000262	3.18E-08	3.72E-04	9.31E-05	3.51E-06	0.000565	3.28E-08
5874	488492.71	3860686.49	0.0475	0.04426	0.0404	0.05312	8.66E-05	3.8E-06	0.00021	5.7E-08	0.00031	1.06E-04	4.61531E-06	0.000262	3.17E-08	3.73E-04	9.35E-05	3.55E-06	0.000565	3.28E-08
5875	488299.07	3860762.18	0.04675	0.04461	0.03972	0.05094	8.52E-05	3.8E-06	0.00021	5.4E-08	0.0003	1.04E-04	4.6518E-06	0.000258	3.04E-08	3.67E-04	9.21E-05	3.58E-06	0.000556	3.14E-08
5876	488205.32	3860764.09	0.04643	0.04441	0.03943	0.05041	8.46E-05	3.8E-06	0.00021	5.4E-08	0.0003	1.04E-04	4.63095E-06	0.000256	3.01E-08	3.64E-04	9.14E-05	3.56E-06	0.000552	3.11E-08
5877	488111.56	3860766	0.04598	0.04379	0.03909	0.04989	8.38E-05	3.7E-06	0.00021	5.3E-08	0.0003	1.03E-04	4.5663E-06	0.000254	2.98E-08	3.61E-04	9.06E-05	3.51E-06	0.000547	3.08E-08
5878	488017.81	3860767.91	0.04553	0.04288	0.0388	0.04946	8.30E-05	3.6E-06	0.00021	5.3E-08	0.00029	1.02E-04	4.47141E-06	0.000252	2.95E-08	3.58E-04	8.97E-05	3.44E-06	0.000543	3.05E-08
5879	487924.06	3860769.81	0.04522	0.04187	0.03863	0.04921	8.24E-05	3.6E-06	0.00021	5.2E-08	0.00029	1.01E-04	4.36609E-06	0.000251	2.94E-08	3.56E-04	8.91E-05	3.36E-06	0.00054	3.03E-08
5880	487830.31	3860771.72	0.04502	0.04083	0.03855	0.04908	8.21E-05	3.5E-06	0.0002	5.2E-08	0.00029	1.01E-04	4.25764E-06	0.00025	2.93E-08	3.55E-04	8.87E-05	3.28E-06	0.000539	3.03E-08
5881	487736.55	3860773.63	0.04491	0.0399	0.03853	0.04905	8.19E-05	3.4E-06	0.0002	5.2E-08	0.00029	1.00E-04	4.16066E-06	0.00025	2.93E-08	3.55E-04	8.84E-05	3.2E-06	0.000539	3.02E-08
5882	487642.8	3860775.54	0.04499	0.03929	0.03863	0.0492	8.20E-05	3.3E-06	0.00021	5.2E-08	0.00029	1.00E-04	4.09705E-06	0.000251	2.94E-08	3.56E-04	8.86E-05	3.15E-06	0.00054	3.03E-08
5883	487549.48	3860684.71	0.047	0.04068	0.04011	0.05161	8.57E-05	3.5E-06	0.00021	5.5E-08	0.0003	1.05E-04	4.242E-06	0.000261	3.08E-08	3.70E-04	9.26E-05	3.26E-06	0.000561	3.18E-08
5884	487549.91	3860591.97	0.04878	0.04224	0.04136	0.05377	8.89E-05	3.6E-06	0.00022	5.7E-08	0.00031	1.09E-04	4.40467E-06	0.000269	3.21E-08	3.82E-04	9.61E-05	3.39E-06	0.000579	3.32E-08
5885	487550.34	3860499.23	0.05095	0.04413	0.04288	0.05628	9.29E-05	3.8E-06	0.00023	6E-08	0.00032	1.14E-04	4.60175E-06	0.000279	3.36E-08	3.97E-04	0.0001	3.54E-06	0.0006	3.47E-08
5886	487550.76	3860406.49	0.05339	0.04624	0.04458	0.05908	9.73E-05	3.9E-06	0.00024	6.3E-08	0.00034	1.19E-04	4.82178E-06	0.00029	3.53E-08	4.14E-04	0.000105	3.71E-06	0.000624	3.64E-08
5887	487551.19	3860313.75	0.05583	0.04834	0.04625	0.06199	1.02E-04	4.1E-06	0.00025	6.6E-08	0.00035	1.25E-04	5.04076E-06	0.0003	3.7E-08	4.30E-04	0.00011	3.88E-06	0.000647	3.82E-08
5888	487551.62	3860221.01	0.05856	0.05068	0.0481	0.06524	1.07E-04	4.3E-06	0.00026	7E-08	0.00037	1.31E-04	5.28477E-06	0.000312	3.89E-08	4.49E-04	0.000115	4.07E-06	0.000673	4.02E-08
5889	487552.05	3860128.27	0.0619	0.05352	0.05035	0.06905	1.13E-04	4.6E-06	0.00027	7.4E-08	0.00038	1.38E-04	5.58091E-06	0.000327	4.12E-08	4.71E-04	0.000122	4.29E-06	0.000704	4.26E-08
5890	487552.48	3860035.53	0.0654	0.05648	0.05266	0.07311	1.19E-04	4.8E-06	0.00028	7.8E-08	0.0004	1.46E-04	5.88957E-06	0.000342	4.36E-08	4.94E-04	0.000129	4.53E-06	0.000737	4.51E-08
5891	487552.91	3859942.79	0.06863	0.05918	0.05471	0.07718	1.25E-04	5E-06	0.00029	8.2E-08	0.00042	1.53E-04	6.17112E-06	0.000355	4.61E-08	5.15E-04	0.000135	4.75E-06	0.000765	4.76E-08
5892	487553.33	3859850.05	0.07292	0.06274	0.05742	0.08215	1.33E-04	5.3E-06	0.00031	8.8E-08	0.00044	1.63E-04	6.54235E-06	0.000373	4.9E-08	5.42E-04	0.000144	5.03E-06	0.000803	5.07E-08
5893	487553.76	3859757.31	0.07717	0.06625	0.06	0.08732	1.41E-04	5.6E-06	0.00032	9.3E-08	0.00047	1.72E-04	6.90836E-06	0.00039	5.21E-08	5.69E-04	0.000152	5.31E-06	0.000839	5.38E-08
5894	487554.19	3859664.57	0.08192	0.07011	0.06279	0.09304	1.49E-04	6E-06	0.00033	9.9E-08	0.00049	1.83E-04	7.31087E-06	0.000408	5.55E-08	5.98E-04	0.000161	5.62E-06	0.000878	5.74E-08
5895	487460.2	3859571.05	0.08632	0.07313	0.06571	0.09924	1.57E-04	6.2E-06	0.00035	1.1E-07	0.00051	1.93E-04	7.62579E-06	0.000427	5.92E-08	6.27E-04	0.00017	5.87E-06	0.000919	6.12E-08
5896	487365.78	3859570.27	0.08567	0.07312	0.06575	0.09932	1.56E-04	6.2E-06	0.00035	1.1E-07	0.00051	1.91E-04	7.62475E-06	0.000427	5.93E-08	6.26E-04	0.000169	5.87E-06	0.00092	6.12E-08
5897	487271.36	3859569.48	0.08494	0.07394	0.06567	0.09949	1.55E-04	6.3E-06	0.00035	1.1E-07	0.00051	1.90E-04	7.71025E-06	0.000427	5.94E-08	6.24E-04	0.000167	5.93E-06	0.000919	6.13E-08
5898	487176.94	3859568.7	0.08419	0.07519	0.06551	0.0997	1.53E-04	6.4E-06	0.00035	1.1E-07	0.00051	1.88E-04	7.8406E-06	0.000426	5.95E-08	6.21E-04	0.000166	6.03E-06	0.000916	6.15E-08
5899	487082.51	3859567.92	0.08354	0.07659	0.06546	0.09991	1.52E-04	6.5E-06	0.00035	1.1E-07	0.00051	1.87E-04	7.98659E-06	0.000425	5.96E-08	6.20E-04	0.000165	6.14E-06	0.000916	6.16E-08
5900	486988.09	3859567.14	0.08284	0.07778	0.0655	0.09989	1.51E-04	6.6E-06	0.00035	1.1E-07	0.00051	1.85E-04	8.11068E-06	0.000425	5.96E-08	6.19E-04	0.000163	6.24E-06	0.000916	6.16E-08
5901	486893.67	3859566.36	0.0822	0.07882	0.06569	0.09974	1.50E-04	6.7E-06	0.00035	1.1E-07	0.00051	1.84E-04	8.21913E-06	0.000427	5.95E-08	6.19E-04	0.000162	6.32E-06	0.000919	6.15E-08
5902	486799.25	3859565.58	0.08156	0.07956	0.06596	0.09943	1.49E-04	6.8E-06	0.00035	1.1E-07	0.00051	1.82E-04	8.29629E-06	0.000428	5.93E-08	6.19E-04	0.000161	6.38E-06	0.000923	6.13E-08
5903	486704.83	3859564.79	0.08097	0.07991	0.06626	0.09898	1.48E-04	6.8E-06	0.00035	1.1E-07	0.00051	1.81E-04	8.33279E-06	0.00043	5.91E-08	6.20E-04	0.000159	6.41E-06	0.000927	6.1E-08
5904	486610.41	3859564.01	0.08039	0.07981	0.06656	0.09835	1.47E-04	6.8E-06	0.00035	1E-07	0.00051	1.80E-04	8.32236E-06	0.000432	5.87E-08	6.20E-04	0.000158	6.4E-06	0.000931	6.06E-08
5905	486515.99	3859563.23	0.07954	0.07916	0.06666	0.09734	1.45E-04	6.7E-06	0.00035	1E-07	0.00051	1.78E-04	8.25458E-06	0.000433	5.81E-08	6.19E-04	0.000157	6.35E-06	0.000933	6E-08
5906	486421.57	3859562.45	0.07884	0.07869	0.06691	0.09633	1.44E-04	6.7E-06	0.00036	1E-07	0.00051	1.76E-04	8.20557E-06	0.000435	5.75E-08	6.19E-04	0.000155	6.31E-06	0.000936	5.94E-08
5907	486327.14	3859561.67	0.07829	0.07864	0.06728	0.09538	1.43E-04	6.7E-06	0.00036	1E-07	0.00051	1.75E-04	8.20036E-06	0.000437	5.69E-08	6.20E-04	0.000154	6.31E-06	0.000941	5.88E-08
5908	486232.72	3859560.89	0.07744	0.07866	0.06735	0.09418	1.41E-04	6.7E-06	0.00036	1E-07	0.00051	1.73E-04	8.20244E-06	0.000437	5.62E-08	6.19E-04	0.000153	6.31E-06	0.000942	5.81E-08
5909	486138.3	3859560.1	0.07666	0.07904	0.06736	0.09301	1.40E-04	6.7E-06	0.00036	9.9E-08	0.0005	1.71E-04	8.24207E-06	0.000438	5.55E-08	6.17E-04	0.000151	6.34E-06	0.000942	5.73E-08
5910	486043.88	3859559.32	0.07581	0.07931	0.06724	0.09177	1.38E-04	6.7E-06	0.00036	9.8E-08	0.0005	1.69E-04	8.27022E-06	0.000437	5.48E-08	6.14E-04	0.000149	6.36E-06	0.000941	5.66E-08
5911	485949.35	3859463.54	0.07848	0.08341	0.07033	0.09536	1.43E-04	7.1E-06	0.00037	1E-07	0.00052	1.75E-04	8.69776E-06	0.000457	5.69E-08	6.41E-04	0.000155	6.69E-06	0.000984	5.88E-08
5912	485949.24	3859368.55	0.08236	0.08792	0.07391	0.10075	1.50E-04	7.5E-06	0.00039	1.1E-07	0.00055	1.84E-04	9.16805E-06	0.00048	6.01E-08	6.73E-04	0.000162	7.05E-06	0.001034	6.21E-08
5913	485949.12	3859273.55	0.08664	0.09279	0.0779	0.10692	1.58E-04	7.9E-06	0.00041	1.1E-07	0.00058	1.94E-04	9.67588E-06	0.000506	6.38E-08	7.09E-04	0.000171	7.44E-06	0.00109	6.59E-08

5914	485949.01	3859178.56	0.09115	0.09779	0.08216	0.11393	1.66E-04	8.3E-06	0.00044	1.2E-07	0.00061	2.04E-04	1.01973E-05	0.000534	6.8E-08	7.48E-04	0.00018	7.84E-06	0.001149	7.02E-08
5915	485948.9	3859083.56	0.09624	0.10329	0.08704	0.12199	1.75E-04	8.8E-06	0.00046	1.3E-07	0.00065	2.15E-04	1.07708E-05	0.000565	7.28E-08	7.91E-04	0.00019	8.29E-06	0.001218	7.52E-08
5916	485948.79	3858988.56	0.10138	0.10857	0.09206	0.13044	1.85E-04	9.2E-06	0.00049	1.4E-07	0.00068	2.26E-04	1.13214E-05	0.000598	7.79E-08	8.36E-04	0.0002	8.71E-06	0.001288	8.04E-08
5917	485948.67	3858893.57	0.10689	0.11392	0.09746	0.13935	1.95E-04	9.7E-06	0.00052	1.5E-07	0.00072	2.39E-04	1.18793E-05	0.000633	8.32E-08	8.84E-04	0.000211	9.14E-06	0.001363	8.59E-08
5918	485948.56	3858798.57	0.11353	0.12017	0.10386	0.14936	2.07E-04	1E-05	0.00055	1.6E-07	0.00077	2.54E-04	1.2531E-05	0.000675	8.91E-08	9.41E-04	0.000224	9.64E-06	0.001453	9.21E-08
5919	485948.45	3858703.58	0.11981	0.12591	0.11006	0.15913	2.18E-04	1.1E-05	0.00058	1.7E-07	0.00081	2.68E-04	1.31295E-05	0.000715	9.5E-08	9.96E-04	0.000236	1.01E-05	0.00154	9.81E-08
5920	485948.34	3858608.58	0.12741	0.13315	0.11769	0.17016	2.32E-04	1.1E-05	0.00063	1.8E-07	0.00087	2.85E-04	1.38845E-05	0.000764	1.02E-07	1.06E-03	0.000251	1.07E-05	0.001646	1.05E-07
5921	485948.22	3858513.59	0.13557	0.14107	0.12611	0.18192	2.47E-04	1.2E-05	0.00067	1.9E-07	0.00093	3.03E-04	1.47104E-05	0.000819	1.09E-07	1.14E-03	0.000267	1.13E-05	0.001764	1.12E-07
5922	485948.11	3858418.59	0.14415	0.14985	0.13519	0.19453	2.63E-04	1.3E-05	0.00072	2.1E-07	0.00099	3.22E-04	1.56259E-05	0.000878	1.16E-07	1.22E-03	0.000284	1.2E-05	0.001891	1.2E-07
5923	485948	3858323.59	0.15413	0.1618	0.14585	0.20914	2.81E-04	1.4E-05	0.00077	2.2E-07	0.00107	3.44E-04	1.6872E-05	0.000947	1.25E-07	1.31E-03	0.000304	1.3E-05	0.00204	1.29E-07
5924	485947.89	3858228.6	0.16424	0.17706	0.15693	0.22423	2.99E-04	1.5E-05	0.00083	2.4E-07	0.00115	3.67E-04	1.84633E-05	0.001019	1.34E-07	1.40E-03	0.000323	1.42E-05	0.002195	1.38E-07
5925	485947.77	3858133.6	0.17529	0.19567	0.16916	0.24051	3.20E-04	1.7E-05	0.0009	2.6E-07	0.00124	3.92E-04	2.04039E-05	0.001099	1.44E-07	1.51E-03	0.000345	1.57E-05	0.002366	1.48E-07
5926	485947.66	3858038.61	0.18953	0.21748	0.18494	0.26103	3.45E-04	1.9E-05	0.00098	2.8E-07	0.00135	4.23E-04	2.26782E-05	0.001201	1.56E-07	1.65E-03	0.000373	1.74E-05	0.002587	1.61E-07
5927	485854.54	3857943.35	0.19486	0.2226	0.19533	0.26777	3.55E-04	1.9E-05	0.00104	2.9E-07	0.00141	4.35E-04	2.32121E-05	0.001269	1.6E-07	1.73E-03	0.000384	1.79E-05	0.002732	1.65E-07
5928	485761.52	3857943.09	0.18753	0.20942	0.19026	0.25576	3.42E-04	1.8E-05	0.00101	2.7E-07	0.00137	4.19E-04	2.18377E-05	0.001236	1.53E-07	1.68E-03	0.000369	1.68E-05	0.002662	1.58E-07
5929	485668.51	3857942.83	0.18134	0.19761	0.18615	0.2453	3.31E-04	1.7E-05	0.00099	2.6E-07	0.00134	4.05E-04	2.06062E-05	0.001209	1.46E-07	1.63E-03	0.000357	1.59E-05	0.002604	1.51E-07
5930	485575.5	3857942.56	0.1748	0.18568	0.18149	0.23456	3.19E-04	1.6E-05	0.00096	2.5E-07	0.0013	3.90E-04	1.93622E-05	0.001179	1.4E-07	1.59E-03	0.000344	1.49E-05	0.002539	1.45E-07
5931	485482.48	3857942.3	0.16933	0.17501	0.17766	0.22522	3.09E-04	1.5E-05	0.00094	2.4E-07	0.00127	3.78E-04	1.82495E-05	0.001154	1.34E-07	1.55E-03	0.000333	1.4E-05	0.002485	1.39E-07
5932	485389.47	3857942.04	0.16409	0.16495	0.1737	0.21637	2.99E-04	1.4E-05	0.00092	2.3E-07	0.00124	3.67E-04	1.72005E-05	0.001128	1.29E-07	1.51E-03	0.000323	1.32E-05	0.00243	1.33E-07
5933	485296.46	3857941.78	0.15917	0.15565	0.16969	0.20815	2.90E-04	1.3E-05	0.0009	2.2E-07	0.00121	3.56E-04	1.62307E-05	0.001102	1.24E-07	1.47E-03	0.000313	1.25E-05	0.002374	1.28E-07
5934	485203.45	3857941.52	0.15505	0.14756	0.16627	0.20094	2.83E-04	1.3E-05	0.00088	2.1E-07	0.00118	3.46E-04	1.53871E-05	0.00108	1.2E-07	1.44E-03	0.000305	1.18E-05	0.002326	1.24E-07
5935	485110.43	3857941.26	0.15045	0.13936	0.16209	0.19368	2.74E-04	1.2E-05	0.00086	2.1E-07	0.00115	3.36E-04	1.45321E-05	0.001053	1.16E-07	1.40E-03	0.000296	1.12E-05	0.002267	1.19E-07
5936	485017.42	3857940.99	0.14579	0.13144	0.15771	0.1867	2.66E-04	1.1E-05	0.00084	2E-07	0.00112	3.26E-04	1.37062E-05	0.001024	1.11E-07	1.36E-03	0.000287	1.05E-05	0.002206	1.15E-07
5937	484924.41	3857940.73	0.14138	0.12413	0.15351	0.1801	2.58E-04	1.1E-05	0.00082	1.9E-07	0.00108	3.16E-04	1.29439E-05	0.000997	1.07E-07	1.33E-03	0.000278	9.96E-06	0.002147	1.11E-07
5938	484831.39	3857940.47	0.13748	0.11778	0.14983	0.17395	2.51E-04	1E-05	0.0008	1.9E-07	0.00106	3.07E-04	1.22818E-05	0.000973	1.04E-07	1.29E-03	0.000271	9.45E-06	0.002096	1.07E-07
5939	484738.12	3857859.3	0.13926	0.11377	0.15333	0.17505	2.54E-04	9.7E-06	0.00081	1.9E-07	0.00108	3.11E-04	1.18636E-05	0.000996	1.04E-07	1.32E-03	0.000274	9.13E-06	0.002145	1.08E-07
5940	484737.85	3857778.4	0.14556	0.11631	0.16125	0.18279	2.65E-04	9.9E-06	0.00086	1.9E-07	0.00113	3.25E-04	1.21285E-05	0.001047	1.09E-07	1.38E-03	0.000287	9.33E-06	0.002256	1.13E-07
5941	484737.59	3857697.49	0.15198	0.11913	0.16931	0.19084	2.77E-04	1E-05	0.0009	2E-07	0.00119	3.39E-04	1.24225E-05	0.0011	1.14E-07	1.45E-03	0.000299	9.56E-06	0.002368	1.18E-07
5942	484737.32	3857616.59	0.1584	0.12188	0.17753	0.1992	2.89E-04	1E-05	0.00094	2.1E-07	0.00124	3.54E-04	1.27093E-05	0.001153	1.19E-07	1.52E-03	0.000312	9.78E-06	0.002483	1.23E-07
5943	484645.53	3857535.18	0.16012	0.11995	0.1808	0.19984	2.92E-04	1E-05	0.00096	2.1E-07	0.00126	3.58E-04	1.2508E-05	0.001174	1.19E-07	1.54E-03	0.000315	9.62E-06	0.002529	1.23E-07
5944	484553.99	3857534.67	0.15479	0.11578	0.17477	0.19164	2.82E-04	9.9E-06	0.00093	2E-07	0.00122	3.46E-04	1.20732E-05	0.001135	1.14E-07	1.49E-03	0.000305	9.29E-06	0.002445	1.18E-07
5945	484462.46	3857534.17	0.15019	0.11281	0.16946	0.18406	2.74E-04	9.6E-06	0.0009	2E-07	0.00118	3.35E-04	1.17635E-05	0.001101	1.1E-07	1.45E-03	0.000296	9.05E-06	0.002371	1.13E-07
5946	484370.93	3857533.66	0.14564	0.11028	0.16406	0.17671	2.65E-04	9.4E-06	0.00087	1.9E-07	0.00115	3.25E-04	1.14997E-05	0.001066	1.05E-07	1.40E-03	0.000287	8.85E-06	0.002295	1.09E-07
5947	484279.4	3857533.16	0.14141	0.10816	0.15892	0.16965	2.58E-04	9.2E-06	0.00084	1.8E-07	0.00111	3.16E-04	1.12786E-05	0.001032	1.01E-07	1.36E-03	0.000279	8.68E-06	0.002223	1.05E-07
5948	484187.86	3857532.65	0.13716	0.10611	0.15371	0.16279	2.50E-04	9E-06	0.00082	1.7E-07	0.00108	3.06E-04	1.10649E-05	0.000998	9.72E-08	1.32E-03	0.00027	8.51E-06	0.00215	1E-07
5949	484096.33	3857532.15	0.13339	0.10453	0.14907	0.15638	2.43E-04	8.9E-06	0.00079	1.7E-07	0.00104	2.98E-04	1.09001E-05	0.000968	9.33E-08	1.28E-03	0.000263	8.39E-06	0.002085	9.64E-08
5950	484004.8	3857531.64	0.12932	0.10279	0.14411	0.15027	2.36E-04	8.7E-06	0.00077	1.6E-07	0.00101	2.89E-04	1.07187E-05	0.000936	8.97E-08	1.24E-03	0.000255	8.25E-06	0.002016	9.27E-08
5951	483913.27	3857531.14	0.125	0.10078	0.13885	0.14442	2.28E-04	8.6E-06	0.00074	1.5E-07	0.00097	2.79E-04	1.05091E-05	0.000902	8.62E-08	1.19E-03	0.000246	8.08E-06	0.001942	8.9E-08
5952	483821.73	3857530.63	0.12122	0.09896	0.13421	0.13896	2.21E-04	8.4E-06	0.00071	1.5E-07	0.00094	2.71E-04	1.03193E-05	0.000872	8.29E-08	1.15E-03	0.000239	7.94E-06	0.001877	8.57E-08
5953	483729.61	3857450.11	0.1214	0.09938	0.13426	0.1375	2.21E-04	8.5E-06	0.00071	1.5E-07	0.00094	2.71E-04	1.03631E-05	0.000872	8.21E-08	1.15E-03	0.000239	7.97E-06	0.001878	8.48E-08
5954	483729.03	3857370.08	0.12594	0.1028	0.13959	0.14161	2.30E-04	8.7E-06	0.00074	1.5E-07	0.00098	2.81E-04	1.07197E-05	0.000907	8.45E-08	1.20E-03	0.000248	8.25E-06	0.001953	8.73E-08
5955	483728.44	3857290.06	0.13013	0.10617	0.14445	0.1457	2.37E-04	9E-06	0.00077	1.6E-07	0.00101	2.91E-04	1.10711E-05	0.000938	8.7E-08	1.24E-03	0.000256	8.52E-06	0.002021	8.98E-08
5956	483727.86	3857210.03	0.1343	0.10964	0.14931	0.14985	2.45E-04	9.3E-06	0.00079	1.6E-07	0.00105	3.00E-04	1.14329E-05	0.00097	8.94E-08	1.28E-03	0.000264	8.8E-06	0.002089	9.24E-08
5957	483641.15	3857129.07	0.13459	0.11155	0.14933	0.14754	2.45E-04	9.5E-06	0.00079	1.6E-07	0.00105	3.01E-04	1.16321E-05	0.00097	8.81E-08	1.28E-03	0.000265	8.95E-06	0.002089	9.1E-08
5958	483555.03	3857128.14	0.13037	0.10987	0.1441	0.14135	2.38E-04	9.3E-06	0.00077	1.5E-07	0.00101	2.91E-04	1.14569E-05	0.000936	8.44E-08	1.24E-03	0.000257	8.81E-06	0.002016	8.72E-08
5959	483468.91	3857127.2	0.12559	0.10779	0.1382	0.13544	2.29E-04	9.2E-06	0.00073	1.4E-07	0.00097	2.81E-04	1.124E-05	0.000898	8.08E-08	1.19E-03	0.000247	8.65E-06	0.001933	8.35E-08
5960	483382.78	3857126.26	0.12218	0.10677	0.13383	0.13009	2.23E-04	9.1E-06	0.00071	1.4E-07	0.00094	2.73E-04	1.11337E-05	0.000869	7.76E-08	1.15E-03	0.000241	8.56E-06	0.001872	8.02E-08
5961	483296.66	3857125.32	0.11839	0.10515	0.12897	0.12496	2.16E-04	8.9E-06	0.00069	1.3E-07	0.00091	2.64E-04	1.09647E-05	0.000838	7.46E-08	1.11E-03	0.000233	8.43E-06	0.001804	7.7E-08
5962	483210.54	3857124.39	0.11455	0.10309	0.12402	0.12008	2.09E-04	8.8E-06	0.00066	1.3E-07	0.00088	2.56E-04	1.07499E-05	0.000806	7.17E-08	1.07E-03	0.000226	8.27E-06	0.001735	7.4E-08
5963	483123.4	3857030.96	0.11452	0.10468	0.12306	0.11837	2.09E-04	8.9E-06	0.00065	1.3E-07	0.00087	2.56E-04	1.09157E-05	0.000799	7.06E-08	1.07E-03	0.000226	8.4E-06	0.001721	7.3E-08
5964	483122.38	3856938.46	0.11852	0.10902	0.12718	0.12127	2.16E-04	9.3E-06	0.00068	1.3E-07	0.0009	2.65E-04	1.13683E-05	0.000826	7.24E-08	1.10E-03	0.000233	8.75E-06	0.001779	7.48E-08
5965	483121.35	3856845.97	0.12265	0.11376	0.13135	0.12408	2.24E-04	9.7E-06	0.0007	1.3E-07	0.00093	2.74E-04	1.18626E-05	0.000853	7.41E-08	1.14E-03	0.000242	9.13E-06	0.001837	7.65E-08
5966	483120.33	3856753.47	0.12593	0.11799	0.13449	0.12688	2.30E-04	1E-05	0.00071	1.4E-07	0.00095	2.81E-04	1.23037E-05	0.000874	7.57E-08	1.17E-03	0.000248	9.46E-06	0.001881	7.82E-08
5967	483119.31	3856660.98	0.12928	0.12238	0.13769	0.12953	2.36E-04	1E-05	0.00073	1.4E-07	0.00098	2.89E-04	1.27614E-05	0.000894	7.73E-08	1.20E-03	0.000255	9.82E-06	0.001926	7.99E-08
5968	483118.29	3856568.49	0.13315	0.1271	0.14144	0.13199	2.43E-04	1.1E-05	0.00075	1.4E-07	0.00101	2.97E-04	1.32536E-05	0.000919	7.88E-08	1.23E-03	0.000262	1.02E-05	0.001979	8.14E-08
5969	483117.26	3856475.99	0.13738	0.13184	0.14554	0.13429	2.50E-04	1.1E-05	0.00077	1.4E-07	0.00104	3.07E-04	1.37479E-05	0.000945	8.02E-08	1.27E-03	0.000271	1.06E-05	0.002036	8.28E-08
5970	483116.24	3856383.5	0.14139	0.13614	0.1493	0.13645	2.58E-04	1.2E-05	0.00079	1.5E-07	0.00106	3.16E-04	1.41963E-05	0.00097	8.14E-08	1.30E-03	0.000278	1.09E-05	0.002089	8.41E-08
5971	483115.22	3856291.01	0.1456	0.14068	0.15316	0.13823	2.65E-04	1.2E-05	0.00081	1.5E-07	0.00109	3.25E-04	1.46697E-05	0.000995	8.25E-08	1.33E-03	0.000287	1.13E-05	0.002143	8.52E-08
5972	483114.2	3856198.51	0.14943	0.14505	0.15638	0.13922	2.72E-04	1.2E-05	0.00083	1.5E-07	0.00112	3.34E-04	1.51254E-05	0.001016	8.31E-08	1.36E-03	0.000294	1.16E-05	0.002188	8.58E-08
5973	483113.17	3856106.02	0.15456	0.15127	0.1607	0.13891	2.82E-04	1.3E-05	0.00085	1.5E-07	0.00115	3.45E-04	1.5774E-05	0.001044	8.29E-08	1.40E-03	0.000304	1.21E-05	0.002248	8.56E-08
5974	483112.15	3856013.52	0.15894	0.15812	0.16375	0.13784	2.90E-04	1.3E-05	0.00087	1.5E-07	0.00117	3.55E-04	1.64883E-05	0.001064	8.23E-08	1.44E-03	0.000313	1.27E-05	0.002291	8.5E-08

5975	483029.25	3855920.47	0.15722	0.16339	0.15929	0.12955	2.87E-04	1.4E-05	0.00085	1.4E-07	0.00115	3.51E-04	1.70378E-05	0.001035	7.73E-08	1.40E-03	0.00031	1.31E-05	0.002228	7.99E-08
5976	482947.37	3855919.91	0.15076	0.15856	0.15196	0.1234	2.75E-04	1.3E-05	0.00081	1.3E-07	0.0011	3.37E-04	1.65342E-05	0.000987	7.37E-08	1.34E-03	0.000297	1.27E-05	0.002126	7.61E-08
5977	482865.49	3855919.36	0.14448	0.15385	0.14487	0.1178	2.63E-04	1.3E-05	0.00077	1.3E-07	0.00105	3.23E-04	1.6043E-05	0.000941	7.03E-08	1.28E-03	0.000285	1.23E-05	0.002027	7.26E-08
5978	482783.61	3855918.8	0.13915	0.14993	0.13872	0.11257	2.54E-04	1.3E-05	0.00074	1.2E-07	0.001	3.11E-04	1.56343E-05	0.000901	6.72E-08	1.23E-03	0.000274	1.2E-05	0.001941	6.94E-08
5979	482700.33	3855818.39	0.13725	0.15387	0.13275	0.10664	2.50E-04	1.3E-05	0.00071	1.1E-07	0.00097	3.07E-04	1.60451E-05	0.000862	6.36E-08	1.18E-03	0.00027	1.23E-05	0.001857	6.58E-08
5980	482698.92	3855718.54	0.14114	0.16069	0.13285	0.10541	2.57E-04	1.4E-05	0.00071	1.1E-07	0.00098	3.15E-04	1.67563E-05	0.000863	6.29E-08	1.19E-03	0.000278	1.29E-05	0.001858	6.5E-08
5981	482697.52	3855618.68	0.14431	0.16377	0.132	0.10401	2.63E-04	1.4E-05	0.0007	1.1E-07	0.00098	3.22E-04	1.70775E-05	0.000857	6.21E-08	1.20E-03	0.000284	1.31E-05	0.001847	6.41E-08
5982	482696.11	3855518.83	0.14814	0.16516	0.13146	0.10178	2.70E-04	1.4E-05	0.0007	1.1E-07	0.00098	3.31E-04	1.72224E-05	0.000854	6.07E-08	1.20E-03	0.000292	1.32E-05	0.001839	6.28E-08
5983	482694.71	3855418.98	0.15088	0.16439	0.12989	0.09976	2.75E-04	1.4E-05	0.00069	1.1E-07	0.00098	3.37E-04	1.71421E-05	0.000844	5.95E-08	1.20E-03	0.000297	1.32E-05	0.001817	6.15E-08
5984	482693.3	3855319.13	0.15354	0.16444	0.12829	0.09761	2.80E-04	1.4E-05	0.00068	1E-07	0.00098	3.43E-04	1.71473E-05	0.000833	5.83E-08	1.19E-03	0.000302	1.32E-05	0.001795	6.02E-08
5985	482691.9	3855219.27	0.15708	0.16649	0.12666	0.09499	2.86E-04	1.4E-05	0.00067	1E-07	0.00097	3.51E-04	1.73611E-05	0.000823	5.67E-08	1.19E-03	0.000309	1.34E-05	0.001772	5.86E-08
5986	482690.49	3855119.42	0.16036	0.16864	0.12393	0.09211	2.92E-04	1.4E-05	0.00066	9.8E-08	0.00097	3.58E-04	1.75853E-05	0.000805	5.5E-08	1.18E-03	0.000316	1.35E-05	0.001734	5.68E-08
5987	482689.09	3855019.57	0.16588	0.17277	0.1221	0.08828	3.02E-04	1.5E-05	0.00065	9.4E-08	0.00097	3.71E-04	1.8016E-05	0.000793	5.27E-08	1.18E-03	0.000327	1.39E-05	0.001708	5.44E-08
5988	482687.68	3854919.71	0.17054	0.17497	0.11882	0.0843	3.11E-04	1.5E-05	0.00063	9E-08	0.00096	3.81E-04	1.82454E-05	0.000772	5.03E-08	1.17E-03	0.000336	1.4E-05	0.001662	5.2E-08
5989	482686.28	3854819.86	0.17702	0.17759	0.11548	0.07949	3.23E-04	1.5E-05	0.00061	8.5E-08	0.00095	3.95E-04	1.85186E-05	0.00075	4.74E-08	1.16E-03	0.000349	1.42E-05	0.001615	4.9E-08
5990	482684.88	3854720.01	0.18221	0.17571	0.11042	0.07507	3.32E-04	1.5E-05	0.00059	8E-08	0.00093	4.07E-04	1.83225E-05	0.000717	4.48E-08	1.14E-03	0.000359	1.41E-05	0.001545	4.63E-08
5991	482683.47	3854620.16	0.19105	0.17128	0.10564	0.07033	3.48E-04	1.5E-05	0.00056	7.5E-08	0.00092	4.27E-04	1.78606E-05	0.000686	4.2E-08	1.13E-03	0.000376	1.37E-05	0.001478	4.34E-08
5992	482682.07	3854520.31	0.19917	0.15845	0.09982	0.06662	3.63E-04	1.3E-05	0.00053	7.1E-08	0.00091	4.45E-04	1.65227E-05	0.000648	3.98E-08	1.11E-03	0.000392	1.27E-05	0.001396	4.11E-08
5993	482680.66	3854420.45	0.20738	0.14191	0.0943	0.06363	3.78E-04	1.2E-05	0.0005	6.8E-08	0.00089	4.63E-04	1.4798E-05	0.000613	3.8E-08	1.09E-03	0.000408	1.14E-05	0.001319	3.92E-08
5994	482679.26	3854320.6	0.21387	0.12692	0.0894	0.0612	3.90E-04	1.1E-05	0.00047	6.5E-08	0.00088	4.78E-04	1.32349E-05	0.000581	3.65E-08	1.07E-03	0.000421	1.02E-05	0.001251	3.77E-08
5995	482677.85	3854220.75	0.22658	0.1182	0.08602	0.05803	4.13E-04	1E-05	0.00046	6.2E-08	0.00088	5.06E-04	1.23256E-05	0.000559	3.46E-08	1.08E-03	0.000446	9.48E-06	0.001203	3.58E-08
5996	482676.45	3854120.9	0.22598	0.10886	0.08096	0.05564	4.12E-04	9.3E-06	0.00043	5.9E-08	0.00085	5.05E-04	1.13516E-05	0.000526	3.32E-08	1.04E-03	0.000445	8.73E-06	0.001133	3.43E-08
5997	482675.04	3854021.04	0.22722	0.10045	0.07611	0.05228	4.14E-04	8.5E-06	0.0004	5.6E-08	0.00083	5.08E-04	1.04746E-05	0.000494	3.12E-08	1.01E-03	0.000448	8.06E-06	0.001065	3.22E-08
5998	482673.64	3853921.19	0.22696	0.09081	0.0708	0.04863	4.14E-04	7.7E-06	0.00038	5.2E-08	0.0008	5.07E-04	9.46941E-06	0.00046	2.9E-08	9.76E-04	0.000447	7.28E-06	0.00099	3E-08
5999	482672.23	3853821.34	0.23063	0.08247	0.06603	0.04468	4.20E-04	7E-06	0.00035	4.8E-08	0.00078	5.15E-04	8.59974E-06	0.000429	2.67E-08	9.53E-04	0.000454	6.62E-06	0.000924	2.75E-08
6000	482670.83	3853721.48	0.22697	0.07599	0.06166	0.04111	4.14E-04	6.5E-06	0.00033	4.4E-08	0.00075	5.07E-04	7.92402E-06	0.0004	2.45E-08	9.15E-04	0.000447	6.1E-06	0.000863	2.53E-08
6001	482669.42	3853621.63	0.20099	0.07188	0.05815	0.03845	3.66E-04	6.1E-06	0.00031	4.1E-08	0.00068	4.49E-04	7.49544E-06	0.000378	2.29E-08	8.34E-04	0.000396	5.77E-06	0.000813	2.37E-08
6002	482645.99	3853446.13	0.11543	0.06777	0.05473	0.03631	2.10E-04	5.8E-06	0.00029	3.9E-08	0.00051	2.58E-04	7.06686E-06	0.000355	2.17E-08	6.20E-04	0.000227	5.44E-06	0.000766	2.24E-08
6003	482623.97	3853370.48	0.0971	0.06577	0.05374	0.03614	1.77E-04	5.6E-06	0.00029	3.9E-08	0.00047	2.17E-04	6.85831E-06	0.000349	2.16E-08	5.73E-04	0.000191	5.28E-06	0.000752	2.23E-08
6004	482601.94	3853294.84	0.08561	0.06383	0.05307	0.03627	1.56E-04	5.4E-06	0.00028	3.9E-08	0.00044	1.91E-04	6.65601E-06	0.000345	2.16E-08	5.43E-04	0.000169	5.12E-06	0.000742	2.24E-08
6005	482531.29	3853133.44	0.07128	0.05902	0.05133	0.03631	1.30E-04	5E-06	0.00027	3.9E-08	0.00041	1.59E-04	6.15444E-06	0.000333	2.17E-08	4.99E-04	0.00014	4.73E-06	0.000718	2.24E-08
6006	482482.68	3853047.69	0.06644	0.05653	0.05024	0.03597	1.21E-04	4.8E-06	0.00027	3.8E-08	0.00039	1.48E-04	5.89479E-06	0.000326	2.15E-08	4.81E-04	0.000131	4.53E-06	0.000703	2.22E-08
6007	482383.09	3852897.4	0.05921	0.05173	0.04761	0.03518	1.08E-04	4.4E-06	0.00025	3.8E-08	0.00037	1.32E-04	5.39426E-06	0.000309	2.1E-08	4.47E-04	0.000117	4.15E-06	0.000666	2.17E-08
6008	482265.64	3852765.26	0.05404	0.0479	0.04485	0.0336	9.85E-05	4.1E-06	0.00024	3.6E-08	0.00034	1.21E-04	4.99488E-06	0.000291	2.01E-08	4.17E-04	0.000106	3.84E-06	0.000627	2.07E-08
6009	482199.16	3852697.66	0.05173	0.04615	0.04346	0.03265	9.43E-05	3.9E-06	0.00023	3.5E-08	0.00033	1.16E-04	4.81239E-06	0.000282	1.95E-08	4.03E-04	0.000102	3.7E-06	0.000608	2.01E-08
6010	482132.69	3852630.07	0.04965	0.04457	0.04218	0.03173	9.05E-05	3.8E-06	0.00022	3.4E-08	0.00032	1.11E-04	4.64763E-06	0.000274	1.89E-08	3.90E-04	9.78E-05	3.58E-06	0.00059	1.96E-08
6011	482066.21	3852562.48	0.04771	0.04305	0.04094	0.03087	8.70E-05	3.7E-06	0.00022	3.3E-08	0.00031	1.07E-04	4.48913E-06	0.000266	1.84E-08	3.77E-04	9.4E-05	3.45E-06	0.000573	1.9E-08
6012	481999.74	3852494.89	0.04587	0.04156	0.03973	0.03007	8.36E-05	3.5E-06	0.00021	3.2E-08	0.0003	1.02E-04	4.33376E-06	0.000258	1.79E-08	3.65E-04	9.03E-05	3.33E-06	0.000556	1.85E-08
6013	481933.26	3852427.29	0.04416	0.04016	0.03857	0.0293	8.05E-05	3.4E-06	0.0002	3.1E-08	0.00029	9.86E-05	4.18777E-06	0.000251	1.75E-08	3.53E-04	8.7E-05	3.22E-06	0.00054	1.81E-08
6014	481866.79	3852359.7	0.04266	0.03895	0.03755	0.02852	7.78E-05	3.3E-06	0.0002	3E-08	0.00028	9.53E-05	4.0616E-06	0.000244	1.7E-08	3.43E-04	8.4E-05	3.12E-06	0.000525	1.76E-08
6015	481800.31	3852292.11	0.04128	0.03781	0.03658	0.02776	7.52E-05	3.2E-06	0.00019	3E-08	0.00027	9.22E-05	3.94272E-06	0.000238	1.66E-08	3.34E-04	8.13E-05	3.03E-06	0.000512	1.71E-08
6016	481733.84	3852224.52	0.03996	0.0367	0.03563	0.02705	7.28E-05	3.1E-06	0.00019	2.9E-08	0.00027	8.93E-05	3.82697E-06	0.000231	1.61E-08	3.25E-04	7.87E-05	2.94E-06	0.000498	1.67E-08
6017	481667.36	3852156.92	0.03877	0.03572	0.03477	0.0263	7.07E-05	3E-06	0.00018	2.8E-08	0.00026	8.66E-05	3.72478E-06	0.000226	1.57E-08	3.16E-04	7.64E-05	2.87E-06	0.000486	1.62E-08
6018	481600.89	3852089.33	0.03752	0.03461	0.03383	0.02573	6.84E-05	2.9E-06	0.00018	2.7E-08	0.00025	8.38E-05	3.60903E-06	0.00022	1.54E-08	3.07E-04	7.39E-05	2.78E-06	0.000473	1.59E-08
6019	481534.41	3852021.74	0.03631	0.03352	0.0329	0.0252	6.62E-05	2.9E-06	0.00017	2.7E-08	0.00024	8.11E-05	3.49537E-06	0.000214	1.5E-08	2.98E-04	7.15E-05	2.69E-06	0.00046	1.55E-08
6020	481467.94	3851954.15	0.03521	0.03253	0.03205	0.02466	6.42E-05	2.8E-06	0.00017	2.6E-08	0.00024	7.86E-05	3.39214E-06	0.000208	1.47E-08	2.90E-04	6.93E-05	2.61E-06	0.000448	1.52E-08
6021	481401.46	3851886.55	0.03422	0.03166	0.03128	0.02408	6.24E-05	2.7E-06	0.00017	2.6E-08	0.00023	7.64E-05	3.30142E-06	0.000203	1.44E-08	2.83E-04	6.74E-05	2.54E-06	0.000438	1.48E-08
6022	481265.87	3851761.43	0.03235	0.02997	0.02971	0.02297	5.90E-05	2.6E-06	0.00016	2.5E-08	0.00022	7.23E-05	3.12519E-06	0.000193	1.37E-08	2.68E-04	6.37E-05	2.4E-06	0.000416	1.42E-08
6023	481196.74	3851703.89	0.03153	0.02925	0.02898	0.02234	5.75E-05	2.5E-06	0.00015	2.4E-08	0.00021	7.04E-05	3.05011E-06	0.000188	1.33E-08	2.62E-04	6.21E-05	2.35E-06	0.000405	1.38E-08
6024	481076.33	3851619.04	0.03023	0.02805	0.02772	0.0212	5.51E-05	2.4E-06	0.00015	2.3E-08	0.0002	6.75E-05	2.92497E-06	0.00018	1.27E-08	2.51E-04	5.95E-05	2.25E-06	0.000388	1.31E-08
6025	480939.8	3851549.07	0.02894	0.02682	0.02632	0.01964	5.28E-05	2.3E-06	0.00014	2.1E-08	0.00019	6.46E-05	2.79671E-06	0.000171	1.17E-08	2.38E-04	5.7E-05	2.15E-06	0.000368	1.21E-08
6026	480854.56	3851506.41	0.02814	0.026	0.02545	0.01872	5.13E-05	2.2E-06	0.00014	2E-08	0.00019	6.29E-05	2.71121E-06	0.000165	1.12E-08	2.31E-04	5.54E-05	2.09E-06	0.000356	1.15E-08
6027	480769.32	3851463.75	0.02735	0.02519	0.02461	0.01781	4.99E-05	2.1E-06	0.00013	1.9E-08	0.00018	6.11E-05	2.62674E-06	0.00016	1.06E-08	2.24E-04	5.39E-05	2.02E-06	0.000344	1.1E-08
6028	480684.08	3851421.08	0.02657	0.02436	0.02379	0.01694	4.84E-05	2.1E-06	0.00013	1.8E-08	0.00018	5.94E-05	2.54019E-06	0.000155	1.01E-08	2.16E-04	5.23E-05	1.95E-06	0.000333	1.04E-08
6029	480598.84	3851378.42	0.02579	0.0235	0.02299	0.0162	4.70E-05	2E-06	0.00012	1.7E-08	0.00017	5.76E-05	2.45051E-06	0.000149	9.67E-09	2.09E-04	5.08E-05	1.89E-06	0.000322	9.99E-09
6030	480435.71	3851275.01	0.02436	0.02203	0.02165	0.015	4.44E-05	1.9E-06	0.00012	1.6E-08	0.00016	5.44E-05	2.29723E-06	0.000141	8.95E-09	1.97E-04	4.8E-05	1.77E-06	0.000303	9.25E-09
6031	480347.85	3851232.36	0.02362	0.02122	0.02094	0.01433	4.31E-05	1.8E-06	0.00011	1.5E-08	0.00016	5.28E-05	2.21276E-06	0.000136	8.55E-09	1.91E-04	4.65E-05	1.7E-06	0.000293	8.84E-09
6032	480260	3851189.72	0.0229	0.02045	0.02027	0.01372	4.17E-05	1.7E-06	0.00011	1.5E-08	0.00015	5.12E-05	2.13247E-06	0.000132	8.19E-09	1.85E-04	4.51E-05	1.64E-06	0.000284	8.46E-09
6033	480172.15	3851147.07	0.0222	0.01971	0.01964	0.01316	4.05E-05	1.7E-06	0.0001	1.4E-08	0.00015	4.96E-05	2.0553E-06	0.000128	7.85E-09	1.79E-04	4.37E-05	1.58E-06	0.000275	8.11E-09
6034	480084.29	3851104.42	0.02152	0.01901	0.01907	0.01264	3.92E-05	1.6E-06	0.0001	1.3E-08	0.00014	4.81E-05	1.98231E-06	0.000124	7.54E-09	1.74E-04	4.24E-05	1.52E-06	0.000267	7.79E-09
6035	479996.44	3851061.77	0.02086	0.01836	0.01853	0.01215	3.80E-05	1.6E-06	9.8E-05	1.3E-08	0.00014	4.66E-05	1.91453E-06	0.00012	7.25E-09	1.69E-04	4.11E-05	1.47E-06	0.000259	7.49E-09

6036	479908.58	3851019.13	0.02016	0.01776	0.01798	0.01158	3.67E-05	1.5E-06	9.6E-05	1.2E-08	0.00013	4.50E-05	1.85196E-06	0.000117	6.91E-09	1.64E-04	3.97E-05	1.42E-06	0.000252	7.14E-09
6037	479820.73	3850976.48	0.01955	0.01717	0.01749	0.01122	3.56E-05	1.5E-06	9.3E-05	1.2E-08	0.00013	4.37E-05	1.79044E-06	0.000114	6.7E-09	1.59E-04	3.85E-05	1.38E-06	0.000245	6.92E-09
6038	479732.88	3850933.83	0.01896	0.01662	0.01703	0.01092	3.46E-05	1.4E-06	9E-05	1.2E-08	0.00013	4.24E-05	1.73309E-06	0.000111	6.52E-09	1.55E-04	3.73E-05	1.33E-06	0.000238	6.73E-09
6039	479645.02	3850891.18	0.01842	0.01611	0.01663	0.01067	3.36E-05	1.4E-06	8.8E-05	1.1E-08	0.00012	4.11E-05	1.67991E-06	0.000108	6.37E-09	1.51E-04	3.63E-05	1.29E-06	0.000233	6.58E-09
6040	479557.17	3850848.54	0.01794	0.01563	0.01628	0.01048	3.27E-05	1.3E-06	8.6E-05	1.1E-08	0.00012	4.01E-05	1.62985E-06	0.000106	6.25E-09	1.47E-04	3.53E-05	1.25E-06	0.000228	6.46E-09
6041	479469.32	3850805.89	0.01742	0.0152	0.01588	0.01023	3.18E-05	1.3E-06	8.4E-05	1.1E-08	0.00012	3.89E-05	1.58501E-06	0.000103	6.11E-09	1.44E-04	3.43E-05	1.22E-06	0.000222	6.31E-09
6042	479381.46	3850763.24	0.01704	0.0148	0.01564	0.01013	3.11E-05	1.3E-06	8.3E-05	1.1E-08	0.00012	3.81E-05	1.5433E-06	0.000102	6.05E-09	1.41E-04	3.36E-05	1.19E-06	0.000219	6.25E-09
6043	479293.61	3850720.59	0.01675	0.01442	0.01544	0.0101	3.05E-05	1.2E-06	8.2E-05	1.1E-08	0.00011	3.74E-05	1.50368E-06	0.0001	6.03E-09	1.39E-04	3.3E-05	1.16E-06	0.000216	6.23E-09
6044	479205.76	3850677.95	0.01644	0.01408	0.01523	0.01005	3.00E-05	1.2E-06	8.1E-05	1.1E-08	0.00011	3.67E-05	1.46822E-06	9.89E-05	6E-09	1.37E-04	3.24E-05	1.13E-06	0.000213	6.2E-09
6045	479117.9	3850635.3	0.01617	0.01376	0.01503	0.01003	2.95E-05	1.2E-06	8E-05	1.1E-08	0.00011	3.61E-05	1.43485E-06	9.76E-05	5.99E-09	1.35E-04	3.18E-05	1.1E-06	0.00021	6.18E-09
6046	479030.05	3850592.65	0.01588	0.01347	0.01482	0.00998	2.89E-05	1.1E-06	7.9E-05	1.1E-08	0.00011	3.55E-05	1.40461E-06	9.63E-05	5.96E-09	1.33E-04	3.13E-05	1.08E-06	0.000207	6.15E-09
6047	478942.19	3850550	0.01553	0.01323	0.01461	0.00982	2.83E-05	1.1E-06	7.8E-05	1E-08	0.00011	3.47E-05	1.37959E-06	9.49E-05	5.86E-09	1.31E-04	3.06E-05	1.06E-06	0.000204	6.05E-09
6048	478854.34	3850507.36	0.01497	0.01302	0.0142	0.00949	2.73E-05	1.1E-06	7.5E-05	1E-08	0.0001	3.34E-05	1.35769E-06	9.22E-05	5.66E-09	1.27E-04	2.95E-05	1.04E-06	0.000199	5.85E-09
6049	478766.49	3850464.71	0.01456	0.01266	0.01389	0.00933	2.65E-05	1.1E-06	7.4E-05	1E-08	0.0001	3.25E-05	1.32015E-06	9.02E-05	5.57E-09	1.24E-04	2.87E-05	1.02E-06	0.000194	5.75E-09
6050	478678.63	3850422.06	0.01424	0.01245	0.01364	0.00923	2.60E-05	1.1E-06	7.2E-05	9.8E-09	9.9E-05	3.18E-05	1.29825E-06	8.86E-05	5.51E-09	1.22E-04	2.8E-05	9.99E-07	0.000191	5.69E-09
6051	478590.78	3850379.41	0.0139	0.01225	0.01337	0.00911	2.53E-05	1E-06	7.1E-05	9.7E-09	9.7E-05	3.10E-05	1.2774E-06	8.68E-05	5.44E-09	1.19E-04	2.74E-05	9.83E-07	0.000187	5.62E-09
6052	478502.93	3850336.77	0.01365	0.01208	0.01318	0.00904	2.49E-05	1E-06	7E-05	9.6E-09	9.6E-05	3.05E-05	1.25967E-06	8.56E-05	5.4E-09	1.17E-04	2.69E-05	9.69E-07	0.000184	5.57E-09
6053	478415.07	3850294.12	0.01345	0.01192	0.01304	0.00899	2.45E-05	1E-06	6.9E-05	9.6E-09	9.5E-05	3.00E-05	1.24298E-06	8.47E-05	5.37E-09	1.16E-04	2.65E-05	9.56E-07	0.000182	5.54E-09
6054	478327.22	3850251.47	0.01315	0.01159	0.0128	0.00888	2.40E-05	9.9E-07	6.8E-05	9.5E-09	9.3E-05	2.94E-05	1.20857E-06	8.31E-05	5.3E-09	1.14E-04	2.59E-05	9.3E-07	0.000179	5.48E-09
6055	478239.36	3850208.82	0.01291	0.01144	0.0126	0.00879	2.35E-05	9.7E-07	6.7E-05	9.4E-09	9.1E-05	2.88E-05	1.19293E-06	8.18E-05	5.25E-09	1.12E-04	2.54E-05	9.18E-07	0.000176	5.42E-09
6056	478151.51	3850166.18	0.01271	0.01131	0.01245	0.00872	2.32E-05	9.6E-07	6.6E-05	9.3E-09	9E-05	2.84E-05	1.17937E-06	8.09E-05	5.2E-09	1.10E-04	2.5E-05	9.07E-07	0.000174	5.38E-09
6057	478063.66	3850123.53	0.01254	0.0112	0.0123	0.00866	2.29E-05	9.5E-07	6.5E-05	9.2E-09	8.9E-05	2.80E-05	1.1679E-06	7.99E-05	5.17E-09	1.09E-04	2.47E-05	8.98E-07	0.000172	5.34E-09
6058	477975.8	3850080.88	0.01279	0.01128	0.01252	0.00884	2.33E-05	9.6E-07	6.7E-05	9.4E-09	9.1E-05	2.86E-05	1.17625E-06	8.13E-05	5.28E-09	1.11E-04	2.52E-05	9.05E-07	0.000175	5.45E-09
6059	477887.95	3850038.23	0.01272	0.01117	0.01247	0.00883	2.32E-05	9.5E-07	6.6E-05	9.4E-09	9E-05	2.84E-05	1.16478E-06	8.1E-05	5.27E-09	1.11E-04	2.51E-05	8.96E-07	0.000174	5.44E-09
6060	477800.1	3849995.59	0.01269	0.01107	0.01245	0.00885	2.31E-05	9.4E-07	6.6E-05	9.4E-09	9E-05	2.83E-05	1.15435E-06	8.09E-05	5.28E-09	1.10E-04	2.5E-05	8.88E-07	0.000174	5.46E-09
6061	477712.24	3849952.94	0.01258	0.01096	0.01234	0.00881	2.29E-05	9.3E-07	6.6E-05	9.4E-09	8.9E-05	2.81E-05	1.14288E-06	8.02E-05	5.26E-09	1.09E-04	2.48E-05	8.79E-07	0.000173	5.43E-09
6062	477624.39	3849910.29	0.01246	0.01085	0.01224	0.00876	2.27E-05	9.2E-07	6.5E-05	9.3E-09	8.9E-05	2.78E-05	1.13141E-06	7.95E-05	5.23E-09	1.08E-04	2.45E-05	8.7E-07	0.000171	5.4E-09
6063	477536.54	3849867.64	0.01236	0.01074	0.01214	0.00872	2.25E-05	9.1E-07	6.5E-05	9.3E-09	8.8E-05	2.76E-05	1.11994E-06	7.89E-05	5.2E-09	1.08E-04	2.43E-05	8.62E-07	0.00017	5.38E-09
6064	477448.68	3849825	0.01222	0.01064	0.01201	0.00864	2.23E-05	9.1E-07	6.4E-05	9.2E-09	8.7E-05	2.73E-05	1.10951E-06	7.8E-05	5.16E-09	1.06E-04	2.41E-05	8.54E-07	0.000168	5.33E-09
6065	477360.83	3849782.35	0.01209	0.01053	0.01188	0.00857	2.20E-05	9E-07	6.3E-05	9.1E-09	8.6E-05	2.70E-05	1.09804E-06	7.72E-05	5.11E-09	1.05E-04	2.38E-05	8.45E-07	0.000166	5.28E-09
6066	477272.97	3849739.7	0.01195	0.01043	0.01176	0.0085	2.18E-05	8.9E-07	6.2E-05	9.1E-09	8.5E-05	2.67E-05	1.08761E-06	7.64E-05	5.07E-09	1.04E-04	2.35E-05	8.37E-07	0.000165	5.24E-09
6067	477185.12	3849697.05	0.01183	0.01033	0.01164	0.00843	2.16E-05	8.8E-07	6.2E-05	9E-09	8.4E-05	2.64E-05	1.07718E-06	7.56E-05	5.03E-09	1.03E-04	2.33E-05	8.29E-07	0.000163	5.2E-09
6068	477097.27	3849654.41	0.01168	0.01022	0.01149	0.00835	2.13E-05	8.7E-07	6.1E-05	8.9E-09	8.3E-05	2.61E-05	1.06571E-06	7.46E-05	4.98E-09	1.02E-04	2.3E-05	8.2E-07	0.000161	5.15E-09
6069	477009.41	3849611.76	0.01143	0.01011	0.01125	0.0082	2.08E-05	8.6E-07	6E-05	8.7E-09	8.1E-05	2.55E-05	1.05424E-06	7.31E-05	4.89E-09	9.97E-05	2.25E-05	8.11E-07	0.000157	5.06E-09
6070	476841.49	3849530.08	0.01113	0.00992	0.01096	0.00802	2.03E-05	8.4E-07	5.8E-05	8.6E-09	7.9E-05	2.49E-05	1.03443E-06	7.12E-05	4.79E-09	9.71E-05	2.19E-05	7.96E-07	0.000153	4.94E-09
6071	476761.41	3849491.05	0.01103	0.00983	0.01086	0.00797	2.01E-05	8.4E-07	5.8E-05	8.5E-09	7.9E-05	2.46E-05	1.02504E-06	7.05E-05	4.76E-09	9.62E-05	2.17E-05	7.89E-07	0.000152	4.91E-09
6072	476681.34	3849452.02	0.01087	0.00969	0.01071	0.00787	1.98E-05	8.2E-07	5.7E-05	8.4E-09	7.8E-05	2.43E-05	1.01045E-06	6.96E-05	4.7E-09	9.49E-05	2.14E-05	7.77E-07	0.00015	4.85E-09
6073	476601.26	3849412.99	0.01068	0.00959	0.01052	0.00775	1.95E-05	8.2E-07	5.6E-05	8.3E-09	7.6E-05	2.39E-05	1.00002E-06	6.83E-05	4.63E-09	9.32E-05	2.1E-05	7.69E-07	0.000147	4.78E-09
6074	476456.32	3849353.67	0.01031	0.00942	0.01016	0.0075	1.88E-05	8E-07	5.4E-05	8E-09	7.4E-05	2.30E-05	9.82291E-07	6.6E-05	4.48E-09	9.00E-05	2.03E-05	7.56E-07	0.000142	4.62E-09
6075	476305.43	3849318.83	0.0103	0.00938	0.01014	0.00754	1.88E-05	8E-07	5.4E-05	8E-09	7.3E-05	2.30E-05	9.7812E-07	6.59E-05	4.5E-09	8.99E-05	2.03E-05	7.52E-07	0.000142	4.65E-09
6076	476129.36	3849289.99	0.01022	0.00934	0.01004	0.00751	1.86E-05	7.9E-07	5.3E-05	8E-09	7.3E-05	2.28E-05	9.73949E-07	6.52E-05	4.48E-09	8.90E-05	2.01E-05	7.49E-07	0.00014	4.63E-09
6077	476039.31	3849275.68	0.01019	0.00932	0.01001	0.00749	1.86E-05	7.9E-07	5.3E-05	8E-09	7.3E-05	2.28E-05	9.71863E-07	6.5E-05	4.47E-09	8.88E-05	2.01E-05	7.48E-07	0.00014	4.62E-09
6078	475949.26	3849261.38	0.01001	0.00926	0.00983	0.00736	1.82E-05	7.9E-07	5.2E-05	7.9E-09	7.1E-05	2.24E-05	9.65607E-07	6.38E-05	4.39E-09	8.72E-05	1.97E-05	7.43E-07	0.000138	4.54E-09
6079	475859.21	3849247.08	0.00996	0.00923	0.00977	0.00732	1.82E-05	7.9E-07	5.2E-05	7.8E-09	7.1E-05	2.22E-05	9.62478E-07	6.35E-05	4.37E-09	8.67E-05	1.96E-05	7.4E-07	0.000137	4.51E-09
6080	475769.16	3849232.77	0.00988	0.0092	0.00969	0.00724	1.80E-05	7.8E-07	5.1E-05	7.7E-09	7E-05	2.21E-05	9.5935E-07	6.29E-05	4.32E-09	8.60E-05	1.95E-05	7.38E-07	0.000136	4.46E-09
6081	475585.22	3849219.27	0.00891	0.00864	0.00883	0.00609	1.62E-05	7.4E-07	4.7E-05	6.5E-09	6.4E-05	1.99E-05	9.00955E-07	5.74E-05	3.63E-09	7.82E-05	1.75E-05	6.93E-07	0.000124	3.75E-09
6082	475444.49	3849150.35	0.0093	0.00888	0.00914	0.00666	1.70E-05	7.6E-07	4.9E-05	7.1E-09	6.6E-05	2.08E-05	9.25981E-07	5.94E-05	3.97E-09	8.11E-05	1.83E-05	7.12E-07	0.000128	4.11E-09
6083	475334.17	3849118.71	0.00932	0.00887	0.00915	0.00676	1.70E-05	7.5E-07	4.9E-05	7.2E-09	6.6E-05	2.08E-05	9.24939E-07	5.94E-05	4.03E-09	8.12E-05	1.84E-05	7.12E-07	0.000128	4.17E-09
6084	475230.47	3849060.56	0.0092	0.00875	0.00903	0.00668	1.68E-05	7.4E-07	4.8E-05	7.1E-09	6.5E-05	2.06E-05	9.12425E-07	5.87E-05	3.99E-09	8.01E-05	1.81E-05	7.02E-07	0.000126	4.12E-09
6085	475110.86	3848960.97	0.00896	0.00853	0.00881	0.00651	1.63E-05	7.3E-07	4.7E-05	6.9E-09	6.4E-05	2.00E-05	8.89484E-07	5.72E-05	3.89E-09	7.81E-05	1.76E-05	6.84E-07	0.000123	4.01E-09
6086	475037.79	3848896.28	0.00877	0.00837	0.00862	0.00634	1.60E-05	7.1E-07	4.6E-05	6.8E-09	6.3E-05	1.96E-05	8.728E-07	5.6E-05	3.78E-09	7.65E-05	1.73E-05	6.71E-07	0.000121	3.91E-09
6087	474964.72	3848831.59	0.00858	0.00821	0.00845	0.00618	1.56E-05	7E-07	4.5E-05	6.6E-09	6.1E-05	1.92E-05	8.56116E-07	5.49E-05	3.69E-09	7.49E-05	1.69E-05	6.59E-07	0.000118	3.81E-09
6088	474891.65	3848766.9	0.00845	0.00808	0.00833	0.00609	1.54E-05	6.9E-07	4.4E-05	6.5E-09	6E-05	1.89E-05	8.4256E-07	5.41E-05	3.63E-09	7.38E-05	1.66E-05	6.48E-07	0.000117	3.75E-09
6089	474818.58	3848702.21	0.00835	0.00797	0.00823	0.00603	1.52E-05	6.8E-07	4.4E-05	6.4E-09	6E-05	1.87E-05	8.31089E-07	5.35E-05	3.6E-09	7.29E-05	1.64E-05	6.39E-07	0.000115	3.72E-09
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			PM2.5				2028 - RD					2033 - RD					2048 - RD				
			24hr				Rates	1.82E-03	8.51E-05	5.31E-03	1.07E-06	Ra	2.23E-03	1.04E-04	6.50E-03	5.97E-07	Ra	1.97E-03	8.02E-05	1.40E-02	6.17E-07
			Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]					Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	IMF (SLINE	IMF-Idle (F	IMF-Truck	IMF-Truck-Idle (PAREA5)		IMF	IMF-Idle	IMF-Truck	IMF-Truck	Total	IMF	IMF-Idle	IMF-Trucks	IMF-Truck-	Total	IMF	IMF-Idle	IMF-Trucks	IMF-Truck-	Total
1	485973.61	3854936.51	1.46766	2.93069	1.46954	0.34073		2.68E-03	0.00025	0.00781	3.6E-07	1.07E-02	3.28E-03	0.000306	0.009545	2.03E-07	1.31E-02	2.89E-03	0.000235	0.020557	2.1E-07	0.023683
2	486023.61	3854936.51	1.39527	2.76943	1.40412	0.33287		2.54E-03	0.00024	0.00746	3.6E-07	0.01024	3.12E-03	0.000289	0.00912	1.99E-07	1.25E-02	0.002748	0.000222	0.019642	2.05E-07	0.022613
3	486073.61	3854936.51	1.35024	2.64742	1.35667	0.33147		2.46E-03	0.00023	0.00721	3.5E-07	0.0099	3.02E-03	0.000276	0.008812	1.98E-07	1.21E-02	0.002659	0.000212	0.018978	2.04E-07	0.02185
4	486123.61	3854936.51	1.25976	2.46681	1.25405	0.32461		2.30E-03	0.00021	0.00666	3.5E-07	0.00917	2.81E-03	0.000257	0.008145	1.94E-07	1.12E-02	0.002481	0.000198	0.017543	2E-07	0.020222
5	486173.61	3854936.51	1.24425	2.4192	1.23962	0.32564		2.27E-03	0.00021	0.00659	3.5E-07	0.00906	2.78E-03	0.000252	0.008052	1.94E-07	1.11E-02	0.002451	0.000194	0.017341	2.01E-07	0.019986
6	486223.61	3854936.51	1.18812	2.30405	1.18961	0.32199		2.17E-03	0.0002	0.00632	3.4E-07	0.00868	2.65E-03	0.00024	0.007727	1.92E-07	1.06E-02	0.00234	0.000185	0.016641	1.99E-07	0.019166
7	486273.61	3854936.51	1.14549	2.20358	1.15402	0.31942		2.09E-03	0.00019	0.00613	3.4E-07	0.00841	2.56E-03	0.00023	0.007496	1.91E-07	1.03E-02	0.002256	0.000177	0.016144	1.97E-07	0.018577
8	486323.61	3854936.51	1.1088	2.11492	1.12591	0.31804		2.02E-03	0.00018	0.00598	3.4E-07	0.00818	2.48E-03	0.000221	0.007313	1.9E-07	1.00E-02	0.002184	0.00017	0.01575	1.96E-07	0.018104
9	485973.61	3854986.51	1.59826	3.13439	1.64487	0.38053		2.91E-03	0.00027	0.00874	4.1E-07	0.01192	3.57E-03	0.000327	0.010684	2.27E-07	1.46E-02	0.003148	0.000251	0.02301	2.35E-07	0.026409
10	486023.61	3854986.51	1.53003	2.97576	1.58295	0.37373		2.79E-03	0.00025	0.00841	4E-07	0.01145	3.42E-03	0.00031	0.010282	2.23E-07	1.40E-02	0.003013	0.000239	0.022144	2.3E-07	0.025396
11	486073.61	3854986.51	1.45345	2.80171	1.50625	0.36892		2.65E-03	0.00024	0.008	3.9E-07	0.01089	3.25E-03	0.000292	0.009784	2.2E-07	1.33E-02	0.002863	0.000225	0.021071	2.27E-07	0.024158
12	486123.61	3854986.51	1.3912	2.64711	1.42599	0.36052		2.54E-03	0.00023	0.00758	3.8E-07	0.01034	3.11E-03	0.000276	0.009262	2.15E-07	1.26E-02	0.00274	0.000212	0.019948	2.22E-07	0.022901
13	486173.61	3854986.51	1.35289	2.55214	1.38118	0.3579		2.47E-03	0.00022	0.00734	3.8E-07	0.01002	3.02E-03	0.000266	0.008971	2.14E-07	1.23E-02	0.002664	0.000205	0.019321	2.21E-07	0.022191
14	486223.61	3854986.51	1.28829	2.40567	1.31529	0.35569		2.35E-03	0.0002	0.00699	3.8E-07	0.00954	2.88E-03	0.000251	0.008543	2.12E-07	1.17E-02	0.002537	0.000193	0.0184	2.19E-07	0.02113
15	486273.61	3854986.51	1.22379	2.27566	1.25072	0.35171		2.23E-03	0.00019	0.00665	3.8E-07	0.00907	2.73E-03	0.000237	0.008124	2.1E-07	1.11E-02	0.00241	0.000183	0.017496	2.17E-07	0.020089
16	486323.61	3854986.51	1.21612	2.2468	1.24737	0.35306		2.22E-03	0.00019	0.00663	3.8E-07	0.00904	2.72E-03	0.000234	0.008102	2.11E-07	1.11E-02	0.002395	0.00018	0.017449	2.18E-07	0.020025
17	485973.61	3855036.51	1.76389	3.29357	1.82806	0.42258		3.22E-03	0.00028	0.00971	4.5E-07	0.01321	3.94E-03	0.000343	0.011874	2.52E-07	1.62E-02	0.003474	0.000264	0.025573	2.61E-07	0.029311
18	486023.61	3855036.51	1.66779	3.10953	1.74139	0.41839		3.04E-03	0.00026	0.00925	4.5E-07	0.01256	3.73E-03	0.000324	0.011311	2.5E-07	1.54E-02	0.003285	0.000249	0.02436	2.58E-07	0.027895
19	486073.61	3855036.51	1.57533	2.88266	1.64168	0.41298		2.87E-03	0.00025	0.00872	4.4E-07	0.01184	3.52E-03	0.000301	0.010663	2.46E-07	1.45E-02	0.003103	0.000231	0.022965	2.55E-07	0.0263
20	486123.61	3855036.51	1.49924	2.70997	1.57014	0.4089		2.73E-03	0.00023	0.00834	4.4E-07	0.01131	3.35E-03	0.000283	0.010199	2.44E-07	1.38E-02	0.002953	0.000217	0.021965	2.52E-07	0.025135
21	486173.61	3855036.51	1.45493	2.59895	1.52639	0.40588		2.65E-03	0.00022	0.00811	4.3E-07	0.01098	3.25E-03	0.000271	0.009914	2.42E-07	1.34E-02	0.002865	0.000208	0.021353	2.5E-07	0.024427
22	486223.61	3855036.51	1.37447	2.44234	1.44716	0.39504		2.51E-03	0.00021	0.00769	4.2E-07	0.0104	3.07E-03	0.000255	0.0094	2.36E-07	1.27E-02	0.002707	0.000196	0.020244	2.44E-07	0.023147
23	486273.61	3855036.51	1.34139	2.40054	1.41897	0.39201		2.45E-03	0.0002	0.00754	4.2E-07	0.01019	3.00E-03	0.00025	0.009217	2.34E-07	1.25E-02	0.002642	0.000193	0.01985	2.42E-07	0.022685
24	486323.61	3855036.51	1.28407	2.25703	1.36061	0.38576		2.34E-03	0.00019	0.00723	4.1E-07	0.00976	2.87E-03	0.000235	0.008838	2.3E-07	1.19E-02	0.002529	0.000181	0.019034	2.38E-07	0.021744
25	485973.61	3855086.51	1.91541	3.26628	2.00728	0.48845		3.49E-03	0.00028	0.01067	5.2E-07	0.01443	4.28E-03	0.000341	0.013038	2.92E-07	1.77E-02	0.003772	0.000262	0.02808	3.01E-07	0.032114
26	486023.61	3855086.51	1.83664	3.10656	1.9296	0.47935		3.35E-03	0.00026	0.01025	5.1E-07	0.01387	4.10E-03	0.000324	0.012533	2.86E-07	1.70E-02	0.003617	0.000249	0.026993	2.96E-07	0.03086
27	486073.61	3855086.51	1.72973	2.9726	1.82159	0.46647		3.15E-03	0.00025	0.00968	5E-07	0.01308	3.86E-03	0.00031	0.011832	2.78E-07	1.60E-02	0.003407	0.000238	0.025482	2.88E-07	0.029128
28	486123.61	3855086.51	1.65663	2.85079	1.75625	0.46076		3.02E-03	0.00024	0.00933	4.9E-07	0.01259	3.70E-03	0.000297	0.011407	2.75E-07	1.54E-02	0.003263	0.000229	0.024568	2.84E-07	0.02806
29	486173.61	3855086.51	1.55794	2.66273	1.64955	0.45233		2.84E-03	0.00023	0.00876	4.8E-07	0.01183	3.48E-03	0.000278	0.010714	2.7E-07	1.45E-02	0.003068	0.000214	0.023076	2.79E-07	0.026358
30	486223.61	3855086.51	1.48549	2.51412	1.58779	0.44663		2.71E-03	0.00021	0.00844	4.8E-07	0.01136	3.32E-03	0.000262	0.010313	2.67E-07	1.39E-02	0.002926	0.000202	0.022212	2.75E-07	0.025339
31	485973.61	3855136.51	2.05783	3.26879	2.23872	0.5663		3.75E-03	0.00028	0.01189	6E-07	0.01592	4.60E-03	0.000341	0.014541	3.38E-07	1.95E-02	0.004053	0.000262	0.031317	3.49E-07	0.035633
32	486023.61	3855136.51	1.9526	3.11972	2.11972	0.55225		3.56E-03	0.00027	0.01126	5.9E-07	0.01509	4.36E-03	0.000325	0.013768	3.3E-07	1.85E-02	0.003846	0.00025	0.029653	3.41E-07	0.033749
33	486073.61	3855136.51	1.85419	2.988	2.01227	0.53761		3.38E-03	0.00025	0.01069	5.7E-07	0.01433	4.14E-03	0.000312	0.01307	3.21E-07	1.75E-02	0.003652	0.00024	0.02815	3.31E-07	0.032041
34	486123.61	3855136.51	1.77602	2.86752	1.92283	0.52629		3.24E-03	0.00024	0.01022	5.6E-07	0.0137	3.97E-03	0.000299	0.012489	3.14E-07	1.68E-02	0.003498	0.00023	0.026898	3.24E-07	0.030627
35	486173.61	3855136.51	1.69871	2.72326	1.82924	0.51532		3.10E-03	0.00023	0.00972	5.5E-07	0.01305	3.79E-03	0.000284	0.011881	3.08E-07	1.60E-02	0.003346	0.000218	0.025589	3.18E-07	0.029154
36	486223.61	3855136.51	1.63057	2.59492	1.74973	0.5037		2.97E-03	0.00022	0.0093	5.4E-07	0.01249	3.64E-03	0.000271	0.011365	3.01E-07	1.53E-02	0.003211	0.000208	0.024477	3.11E-07	0.027897
37	485973.61	3855186.51	2.21792	3.3577	2.51768	0.65818		4.04E-03	0.00029	0.01338	7E-07	0.01771	4.95E-03	0.00035	0.016353	3.93E-07	2.17E-02	0.004368	0.000269	0.03522	4.06E-07	0.039858
38	486023.61	3855186.51	2.11417	3.16096	2.38322	0.63933		3.85E-03	0.00027	0.01266	6.8E-07	0.01679	4.72E-03	0.00033	0.01548	3.82E-07	2.05E-02	0.004164	0.000254	0.033339	3.94E-07	0.037757
39	486073.61	3855186.51	1.99665	2.95078	2.23331	0.61637		3.64E-03	0.00025	0.01187	6.6E-07	0.01576	4.46E-03	0.000308	0.014506	3.68E-07	1.93E-02	0.003932	0.000237	0.031242	3.8E-07	0.035411
40	486123.61	3855186.51	1.88302	2.79197	2.10657	0.5949		3.43E-03	0.00024	0.01119	6.3E-07	0.01486	4.21E-03	0.000291	0.013683	3.55E-07	1.82E-02	0.003709	0.000224	0.029469	3.67E-07	0.033402
41	486173.61	3855186.51	1.8001	2.67298	2.00459	0.57908		3.28E-03	0.00023	0.01065	6.2E-07	0.01416	4.02E-03	0.000279	0.01302	3.46E-07	1.73E-02	0.003545	0.000214	0.028042	3.57E-07	0.031802
42	486223.61	3855186.51	1.71796	2.57434	1.91492	0.56561		3.13E-03	0.00022	0.01017	6E-07	0.01353	3.84E-03	0.000268	0.012438	3.38E-07	1.65E-02	0.003383	0.000207	0.026788	3.49E-07	0.030378
43	486273.61	3855186.51	1.64054	2.41818	1.81379	0.55218		2.99E-03	0.00021	0.00964	5.9E-07	0.01283	3.66E-03	0.000252	0.011781	3.3E-07	1.57E-02	0.003231	0.000194	0.025373	3.4E-07	0.028798
44	486323.61	3855186.51	1.63469	2.37021	1.80506	0.54966		2.98E-03	0.0002	0.00959	5.9E-07	0.01277	3.65E-03	0.000247	0.011724	3.28E-07	1.56E-02	0.003219	0.00019	0.025251	3.39E-07	0.028661
45	485973.61	3855236.51	2.36184	3.378	2.78747	0.74099		4.31E-03	0.00029	0.01481	7.9E-07	0.0194	5.28E-03	0.000352	0.018105	4.42E-07	2.37E-02	0.004652	0.000271	0.038994	4.57E-07	0.043917
46	486023.61	3855236.51	2.22829	3.17137	2.59509	0.71516		4.06E-03	0.00027	0.01379	7.6E-07	0.01812	4.98E-03	0.000331	0.016856	4.27E-07	2.22E-02	0.004389	0.000254	0.036303	4.41E-07	0.040946
47	486073.61	3855236.51	2.11615	2.97376	2.43588	0.69025		3.86E-03	0.00025	0.01294	7.4E-07	0.01705	4.73E-03	0.00031	0.015822	4.12E-07	2.09E-02	0.004168	0.000239	0.034076	4.26E-07	0.038482
48	486123.61	3855236.51	2.02489	2.84737	2.30361	0.66757		3.69E-03	0.00024	0.01224	7.1E-07	0.01617	4.52E-03	0.000297	0.014963	3.98E-07	1.98E-02	0.003988	0.000228	0.032225	4.12E-07	0.036442
49	486173.61	3855236.51	1.93831	2.69531	2.17901	0.6452		3.53E-03	0.00023	0.01158	6.9E-07	0.01534	4.33E-03	0.000281	0.014153	3.85E-07	1.88E-02	0.003817	0.000216	0.030482	3.98E-07	0.034516
50	486223.61	3855236.51	1.84337	2.58048	2.0655	0.62438		3.36E-03	0.00022	0.01097	6.7E-07	0.01455	4.12E-03	0.000269	0.013416	3.73E-07	1.78E-02	0.00363	0.000207	0.028894	3.85E-07	0.032732
51	486273.61	3855236.51	1.71664	2.39631	1.9251	0.60181		3.13E-03	0.0002	0.01023	6.4E-07	0.01356	3.83E-03	0.00025	0.012504	3.59E-07	1.66E-02	0.003381	0.000192	0.02693	3.71E-07	0.030504
52	486323.61	3855236.51	1.73161	2.3738	1.96405	0.60141		3.16E-03	0.0002	0.01044	6.4E-07	0.01379	3.87E-03	0.000248	0.012757	3.59E-07	1.69E-02	0.00341	0.00019	0.027475	3.71E-07	0.031076
53	485973.61	3855286.51	2.51928	3.29873	3.07455	0.84585		4.59E-03	0.00028	0.01634	9E-07	0.02121	5.63E-03	0.000344	0.01997	5.05E-07	2.59E-02	0.004962	0.000265	0.04301	5.22E-07	0.048237
54	486023.61	3855286.51	2.35667	3.10631	2.84138	0.81214		4.30E-03	0.00026	0.0151	8.7E-07	0.01966	5.26E-03	0.000324	0.018456	4.85E-07	2.40E-02	0.004641	0.000249	0.039748	5.01E-07	0.044639
55	486073.61	3855286.51	2.22988	2.93454	2.6625	0.78134		4.06E-03	0.00025	0.01415	8.3E-07	0.01846	4.98E-03	0.000306	0.017294	4.66E-07	2.26E-02	0.004392	0.000235	0.037246	4.82E-07	0.041873
56	486123.61	3855286.51	2.11845	2.78436	2.48709	0.74791		3.86E-03	0.00024	0.01321	8E-07	0.01731	4.73E-03	0.00029	0.016154	4.46E-07	2.12E-02	0.004172	0.000223	0.034792	4.61E-07	0.039188
57	486173.61	3855286.51	2.02392	2.69195	2.33196	0.71733		3.69E-03	0.00023	0.01239	7.7E-07	0.01631	4.52E-03	0.000281	0.015147	4.28E-07	1.99E-02	0.003986	0.000216	0.032622	4.42E-07	0.036824

58	486223.61	3855286.51	1.93779	2.58981	2.22703	0.697	3.53E-03	0.00022	0.01183	7.4E-07	0.01559	4.33E-03	0.00027	0.014465	4.16E-07	1.91E-02	0.003816	0.000208	0.031154	4.3E-07	0.035179
59	486123.61	3855336.51	2.21192	2.81257	2.69822	0.82213	4.03E-03	0.00024	0.01434	8.8E-07	0.01861	4.94E-03	0.000293	0.017526	4.91E-07	2.28E-02	0.004356	0.000226	0.037745	5.07E-07	0.042328
60	486173.61	3855336.51	2.11612	2.63939	2.56227	0.79351	3.86E-03	0.00022	0.01361	8.5E-07	0.0177	4.73E-03	0.000275	0.016643	4.74E-07	2.16E-02	0.004168	0.000212	0.035844	4.89E-07	0.040223
61	486223.61	3855336.51	2.01951	2.47919	2.43757	0.76495	3.68E-03	0.00021	0.01295	8.2E-07	0.01684	4.51E-03	0.000259	0.015833	4.57E-07	2.06E-02	0.003977	0.000199	0.034099	4.72E-07	0.038276
62	486123.61	3855386.51	2.34153	2.68495	2.93499	0.90624	4.27E-03	0.00023	0.01559	9.7E-07	0.02009	5.23E-03	0.00028	0.019064	5.41E-07	2.46E-02	0.004612	0.000215	0.041058	5.59E-07	0.045885
63	486173.61	3855386.51	2.22569	2.60587	2.77669	0.87129	4.06E-03	0.00022	0.01475	9.3E-07	0.01903	4.97E-03	0.000272	0.018035	5.2E-07	2.33E-02	0.004383	0.000209	0.038843	5.37E-07	0.043436
64	486223.61	3855386.51	2.12213	2.55381	2.63343	0.84091	3.87E-03	0.00022	0.01399	9E-07	0.01808	4.74E-03	0.000266	0.017105	5.02E-07	2.21E-02	0.004179	0.000205	0.036839	5.18E-07	0.041224
65	486533.18	3855443.15	1.79296	2.0368	2.19874	0.7658	3.27E-03	0.00017	0.01168	8.2E-07	0.01512	4.00E-03	0.000212	0.014281	4.57E-07	1.85E-02	0.003531	0.000163	0.030758	4.72E-07	0.034453
66	486583.18	3855443.15	1.72716	1.9921	2.10657	0.74449	3.15E-03	0.00017	0.01119	7.9E-07	0.01451	3.86E-03	0.000208	0.013683	4.44E-07	1.77E-02	0.003402	0.00016	0.029469	4.59E-07	0.033031
67	486633.18	3855443.15	1.6617	1.90339	2.01438	0.72461	3.03E-03	0.00016	0.0107	7.7E-07	0.01389	3.71E-03	0.000198	0.013084	4.32E-07	1.70E-02	0.003273	0.000153	0.028179	4.47E-07	0.031605
68	486683.18	3855443.15	1.6179	1.833	1.95401	0.7099	2.95E-03	0.00016	0.01038	7.6E-07	0.01349	3.61E-03	0.000191	0.012692	4.24E-07	1.65E-02	0.003186	0.000147	0.027335	4.38E-07	0.030669
69	486533.18	3855493.15	1.87626	1.92077	2.34371	0.81983	3.42E-03	0.00016	0.01245	8.7E-07	0.01604	4.19E-03	0.0002	0.015223	4.89E-07	1.96E-02	0.003695	0.000154	0.032786	5.05E-07	0.036636
70	486583.18	3855493.15	1.80783	1.90377	2.23639	0.79487	3.30E-03	0.00016	0.01188	8.5E-07	0.01534	4.04E-03	0.000199	0.014526	4.74E-07	1.88E-02	0.00356	0.000153	0.031285	4.9E-07	0.034999
71	486633.18	3855493.15	1.74414	1.85648	2.13904	0.77309	3.18E-03	0.00016	0.01137	8.2E-07	0.0147	3.90E-03	0.000194	0.013894	4.61E-07	1.80E-02	0.003435	0.000149	0.029923	4.77E-07	0.033507
72	486683.18	3855493.15	1.691	1.78296	2.06013	0.75296	3.08E-03	0.00015	0.01095	8E-07	0.01418	3.78E-03	0.000186	0.013381	4.49E-07	1.73E-02	0.00333	0.000143	0.028819	4.64E-07	0.032293
73	486533.18	3855543.15	1.98786	1.89733	2.49834	0.88504	3.62E-03	0.00016	0.01327	9.4E-07	0.01706	4.44E-03	0.000198	0.016227	5.28E-07	2.09E-02	0.003915	0.000152	0.034949	5.46E-07	0.039017
74	486583.18	3855543.15	1.8997	1.81299	2.36921	0.85424	3.46E-03	0.00015	0.01259	9.1E-07	0.01621	4.24E-03	0.000189	0.015389	5.1E-07	1.98E-02	0.003741	0.000145	0.033143	5.27E-07	0.03703
75	486633.18	3855543.15	1.82861	1.76136	2.27312	0.8298	3.33E-03	0.00015	0.01208	8.9E-07	0.01556	4.08E-03	0.000184	0.014765	4.95E-07	1.90E-02	0.003601	0.000141	0.031799	5.12E-07	0.035542
76	486683.18	3855543.15	1.73803	1.6762	2.1569	0.79571	3.17E-03	0.00014	0.01146	8.5E-07	0.01477	3.88E-03	0.000175	0.01401	4.75E-07	1.81E-02	0.003423	0.000134	0.030173	4.91E-07	0.033731
77	486533.18	3855593.15	2.09511	1.86672	2.62426	0.9359	3.82E-03	0.00016	0.01394	1E-06	0.01792	4.68E-03	0.000195	0.017045	5.59E-07	2.19E-02	0.004126	0.00015	0.036711	5.77E-07	0.040987
78	486583.18	3855593.15	2.00968	1.82427	2.50126	0.90339	3.66E-03	0.00016	0.01329	9.6E-07	0.01711	4.49E-03	0.00019	0.016246	5.39E-07	2.09E-02	0.003958	0.000146	0.03499	5.57E-07	0.039095
79	486633.18	3855593.15	1.92727	1.75435	2.39236	0.87537	3.51E-03	0.00015	0.01271	9.3E-07	0.01637	4.31E-03	0.000183	0.015539	5.22E-07	2.00E-02	0.003796	0.000141	0.033467	5.4E-07	0.037404
80	486683.18	3855593.15	1.85454	1.72001	2.3105	0.85377	3.38E-03	0.00015	0.01228	9.1E-07	0.0158	4.14E-03	0.000179	0.015007	5.1E-07	1.93E-02	0.003652	0.000138	0.032322	5.26E-07	0.036113
81	486533.18	3855643.15	2.20049	1.82052	2.76652	0.9953	4.01E-03	0.00015	0.0147	1.1E-06	0.01887	4.92E-03	0.00019	0.017969	5.94E-07	2.31E-02	0.004334	0.000146	0.038701	6.14E-07	0.043181
82	486583.18	3855643.15	2.11632	1.82796	2.6455	0.95856	3.86E-03	0.00016	0.01406	1E-06	0.01807	4.73E-03	0.000191	0.017183	5.72E-07	2.21E-02	0.004168	0.000147	0.037008	5.91E-07	0.041323
83	486633.18	3855643.15	2.03401	1.74934	2.53123	0.92732	3.71E-03	0.00015	0.01345	9.9E-07	0.01731	4.54E-03	0.000182	0.016441	5.53E-07	2.12E-02	0.004006	0.00014	0.035409	5.72E-07	0.039556
84	486683.18	3855643.15	1.95591	1.72472	2.43239	0.90118	3.57E-03	0.00015	0.01292	9.6E-07	0.01664	4.37E-03	0.00018	0.015799	5.38E-07	2.03E-02	0.003852	0.000138	0.034027	5.56E-07	0.038018
85	486533.18	3855693.15	2.33637	1.81204	2.96946	1.07294	4.26E-03	0.00015	0.01578	1.1E-06	0.02019	5.22E-03	0.000189	0.019288	6.4E-07	2.47E-02	0.004601	0.000145	0.04154	6.62E-07	0.046287
86	486583.18	3855693.15	2.21078	1.77444	2.78756	1.02725	4.03E-03	0.00015	0.01481	1.1E-06	0.01899	4.94E-03	0.000185	0.018106	6.13E-07	2.32E-02	0.004354	0.000142	0.038995	6.33E-07	0.043492
87	486633.18	3855693.15	2.09505	1.70664	2.60853	0.98263	3.82E-03	0.00015	0.01386	1E-06	0.01782	4.68E-03	0.000178	0.016943	5.86E-07	2.18E-02	0.004126	0.000137	0.036491	6.06E-07	0.040754
88	486683.18	3855693.15	2.04476	1.65301	2.54877	0.95717	3.73E-03	0.00014	0.01354	1E-06	0.01741	4.57E-03	0.000172	0.016555	5.71E-07	2.13E-02	0.004027	0.000133	0.035655	5.9E-07	0.039815
89	486733.18	3855693.15	2.01192	1.62942	2.53299	0.94272	3.67E-03	0.00014	0.01346	1E-06	0.01727	4.49E-03	0.00017	0.016453	5.63E-07	2.11E-02	0.003962	0.000131	0.035434	5.81E-07	0.039528
90	486783.18	3855693.15	1.98073	1.65658	2.52834	0.93292	3.61E-03	0.00014	0.01343	1E-06	0.01719	4.42E-03	0.000173	0.016422	5.57E-07	2.10E-02	0.003901	0.000133	0.035369	5.75E-07	0.039403
91	486533.18	3855743.15	2.47087	1.79738	3.17386	1.14148	4.50E-03	0.00015	0.01686	1.2E-06	0.02152	5.52E-03	0.000187	0.020615	6.81E-07	2.63E-02	0.004866	0.000144	0.044399	7.04E-07	0.04941
92	486583.18	3855743.15	2.30579	1.74603	2.95619	1.08716	4.20E-03	0.00015	0.01571	1.2E-06	0.02006	5.15E-03	0.000182	0.019201	6.49E-07	2.45E-02	0.004541	0.00014	0.041354	6.7E-07	0.046036
93	486633.18	3855743.15	2.20363	1.72846	2.80461	1.04408	4.02E-03	0.00015	0.0149	1.1E-06	0.01907	4.92E-03	0.00018	0.018217	6.23E-07	2.33E-02	0.00434	0.000139	0.039234	6.44E-07	0.043713
94	486683.18	3855743.15	2.15664	1.69143	2.73463	1.02264	3.93E-03	0.00014	0.01453	1.1E-06	0.01861	4.82E-03	0.000176	0.017762	6.1E-07	2.28E-02	0.004247	0.000136	0.038255	6.31E-07	0.042638
95	486733.18	3855743.15	2.09405	1.63535	2.65722	0.99947	3.82E-03	0.00014	0.01412	1.1E-06	0.01808	4.68E-03	0.000171	0.017259	5.97E-07	2.21E-02	0.004124	0.000131	0.037172	6.16E-07	0.041428
96	486783.18	3855743.15	2.07485	1.60043	2.68173	0.99376	3.78E-03	0.00014	0.01425	1.1E-06	0.01817	4.63E-03	0.000167	0.017419	5.93E-07	2.22E-02	0.004086	0.000128	0.037515	6.13E-07	0.04173
97	486533.18	3855793.15	2.59703	1.82085	3.33439	1.21333	4.73E-03	0.00015	0.01772	1.3E-06	0.02261	5.80E-03	0.00019	0.021658	7.24E-07	2.76E-02	0.005115	0.000146	0.046645	7.48E-07	0.051906
98	486583.18	3855793.15	2.3889	1.69506	3.04802	1.13552	4.35E-03	0.00014	0.01619	1.2E-06	0.02069	5.34E-03	0.000177	0.019798	6.78E-07	2.53E-02	0.004705	0.000136	0.042639	7E-07	0.04748
99	486633.18	3855793.15	2.33693	1.72078	2.98984	1.11246	4.26E-03	0.00015	0.01589	1.2E-06	0.02029	5.22E-03	0.000179	0.01942	6.64E-07	2.48E-02	0.004603	0.000138	0.041825	6.86E-07	0.046566
100	486683.18	3855793.15	2.29424	1.64833	2.96339	1.09336	4.18E-03	0.00014	0.01575	1.2E-06	0.02007	5.12E-03	0.000172	0.019248	6.53E-07	2.45E-02	0.004518	0.000132	0.041455	6.74E-07	0.046106
101	486733.18	3855793.15	2.235	1.64561	2.89463	1.07074	4.07E-03	0.00014	0.01538	1.1E-06	0.01959	4.99E-03	0.000172	0.018801	6.39E-07	2.40E-02	0.004402	0.000132	0.040493	6.6E-07	0.045027
102	486783.18	3855793.15	2.17827	1.66164	2.84131	1.05239	3.97E-03	0.00014	0.0151	1.1E-06	0.01921	4.87E-03	0.000173	0.018455	6.28E-07	2.35E-02	0.00429	0.000133	0.039747	6.49E-07	0.044171
103	486533.18	3855843.15	2.67968	1.79751	3.49437	1.26612	4.88E-03	0.00015	0.01857	1.4E-06	0.02361	5.99E-03	0.000187	0.022697	7.56E-07	2.89E-02	0.005278	0.000144	0.048883	7.81E-07	0.054305
104	486583.18	3855843.15	2.50387	1.75778	3.23149	1.20389	4.56E-03	0.00015	0.01717	1.3E-06	0.02188	5.59E-03	0.000183	0.020989	7.19E-07	2.68E-02	0.004931	0.000141	0.045205	7.42E-07	0.050278
105	486633.18	3855843.15	2.45752	1.73832	3.16509	1.17703	4.48E-03	0.00015	0.01682	1.3E-06	0.02145	5.49E-03	0.000181	0.020558	7.03E-07	2.62E-02	0.00484	0.000139	0.044276	7.26E-07	0.049257
106	486683.18	3855843.15	2.41771	1.76264	3.12671	1.15543	4.41E-03	0.00015	0.01661	1.2E-06	0.02117	5.40E-03	0.000184	0.020309	6.9E-07	2.59E-02	0.004762	0.000141	0.04374	7.12E-07	0.048643
107	486733.18	3855843.15	2.37685	1.70299	3.09785	1.13328	4.33E-03	0.00014	0.01646	1.2E-06	0.02094	5.31E-03	0.000178	0.020121	6.76E-07	2.56E-02	0.004681	0.000137	0.043336	6.99E-07	0.048154
108	486783.18	3855843.15	2.32245	1.64906	3.03815	1.11025	4.23E-03	0.00014	0.01614	1.2E-06	0.02052	5.19E-03	0.000172	0.019734	6.63E-07	2.51E-02	0.004574	0.000132	0.042501	6.85E-07	0.047208
109	486533.18	3855893.15	2.71555	1.7953	3.64459	1.30417	4.95E-03	0.00015	0.01936	1.4E-06	0.02447	6.07E-03	0.000187	0.023673	7.78E-07	2.99E-02	0.005348	0.000144	0.050984	8.04E-07	0.056477
110	486583.18	3855893.15	2.65221	1.72151	3.53787	1.27007	4.83E-03	0.00015	0.0188	1.4E-06	0.02378	5.92E-03	0.00018	0.02298	7.58E-07	2.91E-02	0.005223	0.000138	0.049491	7.83E-07	0.054854
111	486633.18	3855893.15	2.58692	1.6948	3.40399	1.23919	4.72E-03	0.00014	0.01809	1.3E-06	0.02295	5.78E-03	0.000177	0.02211	7.4E-07	2.81E-02	0.005095	0.000136	0.047618	7.64E-07	0.05285
112	486683.18	3855893.15	2.53819	1.73748	3.33006	1.20818	4.63E-03	0.00015	0.01769	1.3E-06	0.02247	5.67E-03	0.000181	0.02163	7.21E-07	2.75E-02	0.004999	0.000139	0.046584	7.45E-07	0.051723
113	486733.18	3855893.15	2.48833	1.74422	3.28335	1.18556	4.54E-03	0.00015	0.01745	1.3E-06	0.02213	5.56E-03	0.000182	0.021326	7.08E-07	2.71E-02	0.004901	0.00014	0.045931	7.31E-07	0.050972
114	486783.18	3855893.15	2.44531	1.6785	3.26069	1.16843	4.46E-03	0.00014	0.01732	1.2E-06	0.02193	5.46E-03	0.000175	0.021179	6.97E-07	2.68E-02	0.004816	0.000135	0.045614	7.2E-07	0.050565
115	486533.18	3855943.15	2.8647	1.77141	3.83668	1.37288	5.22E-03	0.00015	0.02038	1.5E-06	0.02576	6.40E-03	0.000185	0.02492	8.19E-07	3.15E-02	0.005642	0.000142	0.053671	8.46E-07	0.059456
116	486583.18	3855943.15	2.82509	1.71941	3.80451	1.3488	5.15E-03	0.00015	0.02021	1.4E-06	0.02551	6.31E-03	0.000179	0.024711	8.05E-07	3.12E-02	0.005564	0.000138	0.053221	8.32E-07	0.058924
117	486633.18	3855943.15	2.73127	1.70014	3.67901	1.30832	4.98E-03	0.00014	0.01955	1.4E-06	0.02467	6.10E-03	0.000177	0.023896	7.81E-07	3.02E-02	0.005379	0.000136	0.051466	8.07E-07	0.056982
118	486683.18	3855943.15	2.67531	1.68274	3.61068	1.28326	4.88E-03	0.00014	0.01918	1.4E-06	0.02421	5.98E-03	0.000175	0.023452	7.66E-07	2.96E-02	0.005269	0.000135	0.05051	7.91E-07	0.055914

119	486733.18	3855943.15	2.61402	1.67377	3.51043	1.25162	4.76E-03	0.00014	0.01865	1.3E-06	0.02356	5.84E-03	0.000175	0.022801	7.47E-07	2.88E-02	0.005148	0.000134	0.049107	7.72E-07	0.054391
120	486783.18	3855943.15	2.57756	1.69962	3.46498	1.23485	4.70E-03	0.00014	0.01841	1.3E-06	0.02325	5.76E-03	0.000177	0.022506	7.37E-07	2.84E-02	0.005076	0.000136	0.048472	7.61E-07	0.053685
121	486533.18	3855993.15	3.07099	1.79095	4.09349	1.47752	5.60E-03	0.00015	0.02175	1.6E-06	0.0275	6.86E-03	0.000187	0.026588	8.82E-07	3.36E-02	0.006048	0.000144	0.057264	9.11E-07	0.063457
122	486583.18	3855993.15	2.98555	1.77074	3.99802	1.43005	5.44E-03	0.00015	0.02124	1.5E-06	0.02684	6.67E-03	0.000185	0.025968	8.54E-07	3.28E-02	0.00588	0.000142	0.055928	8.82E-07	0.061951
123	486633.18	3855993.15	2.91023	1.76924	3.90281	1.38057	5.30E-03	0.00015	0.02074	1.5E-06	0.02619	6.50E-03	0.000184	0.02535	8.24E-07	3.20E-02	0.005732	0.000142	0.054596	8.51E-07	0.060471
124	486683.18	3855993.15	2.8516	1.77899	3.83197	1.35662	5.20E-03	0.00015	0.02036	1.4E-06	0.02571	6.37E-03	0.000186	0.02489	8.1E-07	3.14E-02	0.005616	0.000143	0.053605	8.36E-07	0.059365
125	486733.18	3855993.15	2.77594	1.75988	3.74158	1.32898	5.06E-03	0.00015	0.01988	1.4E-06	0.02509	6.20E-03	0.000184	0.024303	7.93E-07	3.07E-02	0.005467	0.000141	0.052341	8.19E-07	0.05795
126	486783.18	3855993.15	2.71198	1.72909	3.68098	1.30682	4.94E-03	0.00015	0.01956	1.4E-06	0.02465	6.06E-03	0.00018	0.023909	7.8E-07	3.01E-02	0.005341	0.000139	0.051493	8.06E-07	0.056974
127	486533.18	3856043.15	3.26539	1.84541	4.38905	1.58392	5.95E-03	0.00016	0.02332	1.7E-06	0.02943	7.29E-03	0.000192	0.028508	9.45E-07	3.60E-02	0.006431	0.000148	0.061398	9.77E-07	0.067978
128	486583.18	3856043.15	3.19789	1.82412	4.30068	1.53431	5.83E-03	0.00016	0.02285	1.6E-06	0.02884	7.14E-03	0.00019	0.027934	9.16E-07	3.53E-02	0.006298	0.000146	0.060162	9.46E-07	0.066608
129	486633.18	3856043.15	3.09559	1.77529	4.16837	1.48227	5.64E-03	0.00015	0.02215	1.6E-06	0.02794	6.91E-03	0.000185	0.027075	8.85E-07	3.42E-02	0.006097	0.000142	0.058311	9.14E-07	0.064551
130	486683.18	3856043.15	3.03698	1.81885	4.09967	1.45542	5.54E-03	0.00015	0.02178	1.6E-06	0.02747	6.78E-03	0.00019	0.026629	8.69E-07	3.36E-02	0.005981	0.000146	0.05735	8.97E-07	0.063478
131	486733.18	3856043.15	2.94705	1.79234	3.97684	1.40442	5.37E-03	0.00015	0.02113	1.5E-06	0.02666	6.58E-03	0.000187	0.025831	8.38E-07	3.26E-02	0.005804	0.000144	0.055632	8.66E-07	0.061581
132	486783.18	3856043.15	2.89385	1.84671	3.94038	1.38315	5.27E-03	0.00016	0.02094	1.5E-06	0.02637	6.46E-03	0.000193	0.025594	8.26E-07	3.23E-02	0.005699	0.000148	0.055122	8.53E-07	0.06097
133	486533.18	3856093.15	3.56872	1.94932	4.77137	1.70269	6.51E-03	0.00017	0.02535	1.8E-06	0.03202	7.97E-03	0.000203	0.030991	1.02E-06	3.92E-02	0.007028	0.000156	0.066747	1.05E-06	0.073933
134	486583.18	3856093.15	3.42257	1.84865	4.62246	1.64707	6.24E-03	0.00016	0.02456	1.8E-06	0.03096	7.65E-03	0.000193	0.030024	9.83E-07	3.79E-02	0.006741	0.000148	0.064664	1.02E-06	0.071554
135	486633.18	3856093.15	3.31127	1.79049	4.46655	1.58887	6.04E-03	0.00015	0.02373	1.7E-06	0.02992	7.40E-03	0.000187	0.029012	9.48E-07	3.66E-02	0.006521	0.000144	0.062483	9.8E-07	0.069149
136	486683.18	3856093.15	3.22848	1.80431	4.36492	1.55405	5.88E-03	0.00015	0.02319	1.7E-06	0.02923	7.21E-03	0.000188	0.028351	9.28E-07	3.58E-02	0.006358	0.000145	0.061061	9.58E-07	0.067565
137	486733.18	3856093.15	3.13342	1.79677	4.2366	1.51805	5.71E-03	0.00015	0.02251	1.6E-06	0.02838	7.00E-03	0.000187	0.027518	9.06E-07	3.47E-02	0.006171	0.000144	0.059266	9.36E-07	0.065582
138	486783.18	3856093.15	3.06199	1.82984	4.17179	1.48736	5.58E-03	0.00016	0.02217	1.6E-06	0.0279	6.84E-03	0.000191	0.027097	8.88E-07	3.41E-02	0.00603	0.000147	0.058359	9.17E-07	0.064537
139	486533.18	3856143.15	3.85763	1.90062	5.17082	1.81463	7.03E-03	0.00016	0.02747	1.9E-06	0.03467	8.62E-03	0.000198	0.033586	1.08E-06	4.24E-02	0.007597	0.000152	0.072335	1.12E-06	0.080086
140	486583.18	3856143.15	3.70229	1.9287	4.96672	1.73993	6.75E-03	0.00016	0.02639	1.9E-06	0.0333	8.27E-03	0.000201	0.03226	1.04E-06	4.07E-02	0.007292	0.000155	0.069479	1.07E-06	0.076927
141	486633.18	3856143.15	3.58722	1.7943	4.81554	1.692	6.54E-03	0.00015	0.02559	1.8E-06	0.03228	8.01E-03	0.000187	0.031278	1.01E-06	3.95E-02	0.007065	0.000144	0.067365	1.04E-06	0.074574
142	486683.18	3856143.15	3.45986	1.7803	4.66798	1.64235	6.31E-03	0.00015	0.0248	1.8E-06	0.03126	7.73E-03	0.000186	0.03032	9.8E-07	3.82E-02	0.006814	0.000143	0.0653	1.01E-06	0.072258
143	486733.18	3856143.15	3.3456	1.83291	4.53402	1.60374	6.10E-03	0.00016	0.02409	1.7E-06	0.03035	7.47E-03	0.000191	0.02945	9.57E-07	3.71E-02	0.006589	0.000147	0.063426	9.89E-07	0.070163
144	486783.18	3856143.15	3.27294	1.82563	4.46709	1.58161	5.97E-03	0.00016	0.02373	1.7E-06	0.02986	7.31E-03	0.00019	0.029015	9.44E-07	3.65E-02	0.006446	0.000146	0.06249	9.75E-07	0.069083
145	486533.18	3856193.15	4.24125	1.89992	5.69888	1.94472	7.73E-03	0.00016	0.03028	2.1E-06	0.03817	9.47E-03	0.000198	0.037016	1.16E-06	4.67E-02	0.008353	0.000152	0.079722	1.2E-06	0.088228
146	486583.18	3856193.15	4.03556	1.95106	5.39805	1.85549	7.36E-03	0.00017	0.02868	2E-06	0.0362	9.01E-03	0.000203	0.035062	1.11E-06	4.43E-02	0.007948	0.000157	0.075513	1.14E-06	0.083619
147	486633.18	3856193.15	3.89331	1.87824	5.20523	1.79388	7.10E-03	0.00016	0.02766	1.9E-06	0.03491	8.70E-03	0.000196	0.03381	1.07E-06	4.27E-02	0.007668	0.000151	0.072816	1.11E-06	0.080635
148	486683.18	3856193.15	3.77668	1.77455	5.06184	1.74691	6.88E-03	0.00015	0.02689	1.9E-06	0.03393	8.44E-03	0.000185	0.032878	1.04E-06	4.15E-02	0.007438	0.000142	0.07081	1.08E-06	0.078392
149	486733.18	3856193.15	3.62455	1.78183	4.88438	1.70038	6.61E-03	0.00015	0.02595	1.8E-06	0.03271	8.10E-03	0.000186	0.031725	1.01E-06	4.00E-02	0.007138	0.000143	0.068328	1.05E-06	0.07561
150	486783.18	3856193.15	3.51864	1.89343	4.79731	1.68132	6.41E-03	0.00016	0.02549	1.8E-06	0.03207	7.86E-03	0.000197	0.03116	1E-06	3.92E-02	0.00693	0.000152	0.06711	1.04E-06	0.074192
151	486533.18	3856243.15	4.67532	1.99771	6.33245	2.08062	8.52E-03	0.00017	0.03365	2.2E-06	0.04234	1.04E-02	0.000208	0.041131	1.24E-06	5.18E-02	0.009208	0.00016	0.088585	1.28E-06	0.097954
152	486583.18	3856243.15	4.45934	1.9406	5.98676	1.99432	8.13E-03	0.00017	0.03181	2.1E-06	0.0401	9.96E-03	0.000202	0.038886	1.19E-06	4.91E-02	0.008783	0.000156	0.083749	1.23E-06	0.092688
153	486633.18	3856243.15	4.25841	1.99948	5.70491	1.90859	7.76E-03	0.00017	0.03031	2E-06	0.03825	9.51E-03	0.000209	0.037055	1.14E-06	4.68E-02	0.008387	0.00016	0.079806	1.18E-06	0.088354
154	486683.18	3856243.15	4.09766	1.8029	5.49404	1.85287	7.47E-03	0.00015	0.02919	2E-06	0.03682	9.15E-03	0.000188	0.035685	1.11E-06	4.50E-02	0.00807	0.000145	0.076856	1.14E-06	0.085072
155	486733.18	3856243.15	3.9456	1.76497	5.30322	1.8059	7.19E-03	0.00015	0.02818	1.9E-06	0.03552	8.81E-03	0.000184	0.034446	1.08E-06	4.34E-02	0.007771	0.000142	0.074187	1.11E-06	0.0821
156	486783.18	3856243.15	3.78628	1.91836	5.13529	1.76636	6.90E-03	0.00016	0.02728	1.9E-06	0.03435	8.46E-03	0.0002	0.033355	1.05E-06	4.20E-02	0.007457	0.000154	0.071838	1.09E-06	0.079449
157	486533.18	3856293.15	5.22268	2.01848	7.07012	2.2594	9.52E-03	0.00017	0.03756	2.4E-06	0.04726	1.17E-02	0.00021	0.045923	1.35E-06	5.78E-02	0.010286	0.000162	0.098904	1.39E-06	0.109353
158	486583.18	3856293.15	4.91866	1.98605	6.66021	2.14644	8.97E-03	0.00017	0.03539	2.3E-06	0.04452	1.10E-02	0.000207	0.04326	1.28E-06	5.45E-02	0.009687	0.000159	0.09317	1.32E-06	0.103017
159	486633.18	3856293.15	4.6773	1.92145	6.29559	2.0563	8.53E-03	0.00016	0.03345	2.2E-06	0.04214	1.04E-02	0.0002	0.040892	1.23E-06	5.15E-02	0.009212	0.000154	0.088069	1.27E-06	0.097436
160	486683.18	3856293.15	4.47082	1.97112	6.00714	1.98086	8.15E-03	0.00017	0.03192	2.1E-06	0.04024	9.99E-03	0.000206	0.039018	1.18E-06	4.92E-02	0.008805	0.000158	0.084034	1.22E-06	0.092998
161	486733.18	3856293.15	4.29433	1.81964	5.78131	1.92909	7.83E-03	0.00015	0.03072	2.1E-06	0.0387	9.59E-03	0.00019	0.037551	1.15E-06	4.73E-02	0.008458	0.000146	0.080875	1.19E-06	0.089479
162	486783.18	3856293.15	4.09611	1.91022	5.53634	1.87508	7.47E-03	0.00016	0.02942	2E-06	0.03705	9.15E-03	0.000199	0.03596	1.12E-06	4.53E-02	0.008067	0.000153	0.077448	1.16E-06	0.085669
163	486783.18	3856343.15	4.43453	1.83946	6.01107	2.00973	8.08E-03	0.00016	0.03194	2.1E-06	0.04018	9.91E-03	0.000192	0.039044	1.2E-06	4.91E-02	0.008734	0.000148	0.084089	1.24E-06	0.092971
164	486833.18	3856343.15	4.23069	2.05312	5.75758	1.97808	7.71E-03	0.00017	0.03059	2.1E-06	0.03848	9.45E-03	0.000214	0.037397	1.18E-06	4.71E-02	0.008332	0.000165	0.080543	1.22E-06	0.089041
165	486883.18	3856343.15	4.06183	2.01543	5.53981	1.93641	7.40E-03	0.00017	0.02943	2.1E-06	0.03701	9.07E-03	0.00021	0.035983	1.16E-06	4.53E-02	0.008	0.000162	0.077496	1.19E-06	0.085659
166	486783.18	3856393.15	4.80733	1.97815	6.49323	2.1266	8.76E-03	0.00017	0.0345	2.3E-06	0.04343	1.07E-02	0.000206	0.042175	1.27E-06	5.31E-02	0.009468	0.000159	0.090834	1.31E-06	0.100462
167	486833.18	3856393.15	4.53814	2.08209	6.1593	2.07862	8.27E-03	0.00018	0.03273	2.2E-06	0.04118	1.01E-02	0.000217	0.040006	1.24E-06	5.04E-02	0.008938	0.000167	0.086162	1.28E-06	0.095268
168	486883.18	3856393.15	4.32329	2.19142	5.8854	2.03035	7.88E-03	0.00019	0.03127	2.2E-06	0.03934	9.66E-03	0.000229	0.038227	1.21E-06	4.81E-02	0.008515	0.000176	0.082331	1.25E-06	0.091022
169	487208.74	3856886.11	5.73318	5.01352	7.82815	3.28027	1.05E-02	0.00043	0.04159	3.5E-06	0.05247	1.28E-02	0.000523	0.050846	1.96E-06	6.42E-02	0.011291	0.000402	0.109508	2.02E-06	0.121203
170	487258.74	3856886.11	5.33792	4.70158	7.29693	3.18766	9.73E-03	0.0004	0.03877	3.4E-06	0.0489	1.19E-02	0.00049	0.047396	1.9E-06	5.98E-02	0.010513	0.000377	0.102077	1.97E-06	0.112969
171	487308.74	3856886.11	4.97054	4.4765	6.82934	3.07614	9.06E-03	0.00038	0.03629	3.3E-06	0.04573	1.11E-02	0.000467	0.044359	1.84E-06	5.59E-02	0.009789	0.000359	0.095536	1.9E-06	0.105686
172	487358.74	3856886.11	4.64711	4.27802	6.45757	2.97999	8.47E-03	0.00036	0.03431	3.2E-06	0.04315	1.04E-02	0.000446	0.041944	1.78E-06	5.28E-02	0.009152	0.000343	0.090335	1.84E-06	0.099832
173	487208.74	3856936.11	6.14191	6.00554	8.50069	3.56084	1.12E-02	0.00051	0.04517	3.8E-06	0.05688	1.37E-02	0.000626	0.055214	2.13E-06	6.96E-02	0.012096	0.000482	0.118916	2.2E-06	0.131496
174	487258.74	3856936.11	5.6267	5.37645	7.81467	3.41377	1.03E-02	0.00046	0.04152	3.6E-06	0.05224	1.26E-02	0.000561	0.050759	2.04E-06	6.39E-02	0.011082	0.000431	0.109319	2.1E-06	0.120834
175	487308.74	3856936.11	5.11111	5.15837	7.29517	3.326	9.32E-03	0.00044	0.03876	3.5E-06	0.04852	1.14E-02	0.000538	0.047384	1.99E-06	5.93E-02	0.010066	0.000414	0.102052	2.05E-06	0.112534
176	487358.74	3856936.11	4.72083	5.02555	6.83069	3.21175	8.61E-03	0.00043	0.03629	3.4E-06	0.04533	1.05E-02	0.000524	0.044367	1.92E-06	5.54E-02	0.009298	0.000403	0.095554	1.98E-06	0.105257
177	487208.74	3856986.11	6.18393	7.00598	9.32111	3.90511	1.13E-02	0.0006	0.04952	4.2E-06	0.0614	1.38E-02	0.000731	0.060543	2.33E-06	7.51E-02	0.012179	0.000562	0.130393	2.41E-06	0.143136
178	487258.74	3856986.11	5.58609	6.59745	8.51462	3.72809	1.02E-02	0.00056	0.04524	4E-06	0.05599	1.25E-02	0.000688	0.055305	2.23E-06	6.85E-02	0.011002	0.000529	0.119111	2.3E-06	0.130644
179	487308.74	3856986.11	5.1189	6.4881	7.88277	3.56381	9.33E-03	0.00055	0.04188	3.8E-06	0.05177	1.14E-02	0.000677	0.051201	2.13E-06	6.33E-02	0.010082	0.00052	0.110272	2.2E-06	0.120876

180	487358.74	3856986.11	4.717	6.3091	7.28491	3.46391	8.60E-03	0.00054	0.03871	3.7E-06	0.04784	1.05E-02	0.000658	0.047318	2.07E-06	5.85E-02	0.00929	0.000506	0.101909	2.14E-06	0.111707
181	487208.74	3857036.11	5.77936	9.1966	10.4433	4.273	1.05E-02	0.00078	0.05549	4.6E-06	0.06681	1.29E-02	0.000959	0.067832	2.55E-06	8.17E-02	0.011382	0.000738	0.146091	2.63E-06	0.158214
182	487258.74	3857036.11	5.28349	9.12542	9.35557	4.04567	9.63E-03	0.00078	0.04971	4.3E-06	0.06012	1.18E-02	0.000952	0.060767	2.41E-06	7.35E-02	0.010406	0.000732	0.130875	2.49E-06	0.142015
183	487308.74	3857036.11	4.91444	8.75064	8.43617	3.87664	8.96E-03	0.00074	0.04482	4.1E-06	0.05453	1.10E-02	0.000912	0.054795	2.31E-06	6.67E-02	0.009679	0.000702	0.118014	2.39E-06	0.128397
184	487358.74	3857036.11	4.61093	8.72597	7.66902	3.74189	8.40E-03	0.00074	0.04075	4E-06	0.0499	1.03E-02	0.00091	0.049813	2.23E-06	6.10E-02	0.009081	0.0007	0.107282	2.31E-06	0.117065
185	487427.14	3856878.23	4.23662	4.16344	5.90854	2.9172	7.72E-03	0.00035	0.03139	3.1E-06	0.03947	9.46E-03	0.000434	0.038378	1.74E-06	4.83E-02	0.008344	0.000334	0.082655	1.8E-06	0.091334
186	487477.14	3856878.23	4.00687	4.22914	5.6198	2.87184	7.30E-03	0.00036	0.02986	3.1E-06	0.03753	8.95E-03	0.000441	0.036502	1.71E-06	4.59E-02	0.007891	0.000339	0.078615	1.77E-06	0.086848
187	487527.14	3856878.23	3.80233	4.19014	5.34159	2.82927	6.93E-03	0.00036	0.02838	3E-06	0.03567	8.49E-03	0.000437	0.034695	1.69E-06	4.36E-02	0.007489	0.000336	0.074723	1.74E-06	0.08255
188	487427.14	3856928.23	4.31243	4.91378	6.21498	3.09778	7.86E-03	0.00042	0.03302	3.3E-06	0.0413	9.63E-03	0.000512	0.040368	1.85E-06	5.05E-02	0.008493	0.000394	0.086941	1.91E-06	0.095831
189	487477.14	3856928.23	4.06463	4.97473	5.90133	3.0198	7.41E-03	0.00042	0.03135	3.2E-06	0.03919	9.08E-03	0.000519	0.038331	1.8E-06	4.79E-02	0.008005	0.000399	0.082554	1.86E-06	0.09096
190	487527.14	3856928.23	3.83171	5.09757	5.59452	2.98752	6.98E-03	0.00043	0.02972	3.2E-06	0.03715	8.56E-03	0.000532	0.036338	1.78E-06	4.54E-02	0.007546	0.000409	0.078262	1.84E-06	0.086219
191	487577.14	3856928.23	3.63223	5.18744	5.28985	2.95626	6.62E-03	0.00044	0.02811	3.2E-06	0.03517	8.11E-03	0.000541	0.034359	1.76E-06	4.30E-02	0.007154	0.000416	0.074	1.82E-06	0.081571
192	487627.14	3856928.23	3.45572	5.03056	5.01522	2.89511	6.30E-03	0.00043	0.02665	3.1E-06	0.03338	7.72E-03	0.000525	0.032575	1.73E-06	4.08E-02	0.006806	0.000404	0.070158	1.79E-06	0.077369
193	487677.14	3856928.23	3.28874	4.88906	4.77654	2.84293	5.99E-03	0.00042	0.02538	3E-06	0.03179	7.35E-03	0.00051	0.031025	1.7E-06	3.89E-02	0.006477	0.000392	0.066819	1.75E-06	0.07369
194	487727.14	3856928.23	3.14295	4.84913	4.5432	2.80558	5.73E-03	0.00041	0.02414	3E-06	0.03028	7.02E-03	0.000506	0.029509	1.67E-06	3.70E-02	0.00619	0.000389	0.063555	1.73E-06	0.070135
195	487777.14	3856928.23	3.02229	4.91397	4.32009	2.77676	5.51E-03	0.00042	0.02295	3E-06	0.02888	6.75E-03	0.000512	0.02806	1.66E-06	3.53E-02	0.005952	0.000394	0.060434	1.71E-06	0.066782
196	487427.14	3856978.23	4.32826	6.18416	6.53804	3.28437	7.89E-03	0.00053	0.03474	3.5E-06	0.04316	9.67E-03	0.000645	0.042467	1.96E-06	5.28E-02	0.008524	0.000496	0.091461	2.03E-06	0.100483
197	487477.14	3856978.23	4.07591	6.28962	6.18124	3.20936	7.43E-03	0.00054	0.03284	3.4E-06	0.04081	9.10E-03	0.000656	0.040149	1.92E-06	4.99E-02	0.008027	0.000505	0.086469	1.98E-06	0.095003
198	487527.14	3856978.23	3.86327	6.25437	5.85464	3.15413	7.04E-03	0.00053	0.03111	3.4E-06	0.03868	8.63E-03	0.000652	0.038028	1.88E-06	4.73E-02	0.007609	0.000502	0.081901	1.94E-06	0.090013
199	487577.14	3856978.23	3.67713	6.10167	5.50946	3.12941	6.70E-03	0.00052	0.02927	3.3E-06	0.0365	8.21E-03	0.000636	0.035786	1.87E-06	4.46E-02	0.007242	0.000489	0.077072	1.93E-06	0.084805
200	487627.14	3856978.23	3.49274	6.02317	5.1915	3.06322	6.37E-03	0.00051	0.02758	3.3E-06	0.03447	7.80E-03	0.000628	0.03372	1.83E-06	4.22E-02	0.006879	0.000483	0.072624	1.89E-06	0.079988
201	487677.14	3856978.23	3.31058	5.92729	4.92056	3.03144	6.03E-03	0.0005	0.02614	3.2E-06	0.03269	7.39E-03	0.000618	0.03196	1.81E-06	4.00E-02	0.00652	0.000475	0.068834	1.87E-06	0.075831
202	487727.14	3856978.23	3.16792	5.88683	4.68676	2.90527	5.77E-03	0.0005	0.0249	3.1E-06	0.03118	7.08E-03	0.000614	0.030442	1.73E-06	3.81E-02	0.006239	0.000472	0.065563	1.79E-06	0.072276
203	487777.14	3856978.23	3.01959	5.79077	4.42651	2.93078	5.50E-03	0.00049	0.02352	3.1E-06	0.02952	6.74E-03	0.000604	0.028751	1.75E-06	3.61E-02	0.005947	0.000465	0.061922	1.81E-06	0.068336
204	487427.14	3857028.23	4.23588	8.19734	6.83842	3.54895	7.72E-03	0.0007	0.03633	3.8E-06	0.04476	9.46E-03	0.000855	0.044418	2.12E-06	5.47E-02	0.008342	0.000658	0.095663	2.19E-06	0.104665
205	487477.14	3857028.23	3.99535	8.00788	6.36327	3.45899	7.28E-03	0.00068	0.03381	3.7E-06	0.04178	8.92E-03	0.000835	0.041331	2.06E-06	5.11E-02	0.007869	0.000642	0.089016	2.13E-06	0.097529
206	487527.14	3857028.23	3.81379	7.75624	5.96708	3.35438	6.95E-03	0.00066	0.0317	3.6E-06	0.03932	8.52E-03	0.000809	0.038758	2E-06	4.81E-02	0.007511	0.000622	0.083473	2.07E-06	0.091609
207	487577.14	3857028.23	3.64302	7.56372	5.58876	3.28986	6.64E-03	0.00064	0.02969	3.5E-06	0.03698	8.14E-03	0.000789	0.036301	1.96E-06	4.52E-02	0.007175	0.000607	0.078181	2.03E-06	0.085965
208	487627.14	3857028.23	3.47603	7.44321	5.27197	3.22691	6.34E-03	0.00063	0.02801	3.4E-06	0.03498	7.76E-03	0.000776	0.034243	1.93E-06	4.28E-02	0.006846	0.000597	0.07375	1.99E-06	0.081195
209	487677.14	3857028.23	3.32073	7.26385	4.97972	3.19592	6.05E-03	0.00062	0.02646	3.4E-06	0.03313	7.42E-03	0.000757	0.032345	1.91E-06	4.05E-02	0.00654	0.000583	0.069661	1.97E-06	0.076786
210	487727.14	3857028.23	3.17817	7.15819	4.6965	3.16547	5.79E-03	0.00061	0.02495	3.4E-06	0.03136	7.10E-03	0.000746	0.030505	1.89E-06	3.84E-02	0.006259	0.000574	0.065699	1.95E-06	0.072535
211	487777.14	3857028.23	3.04457	6.96567	4.45107	3.09926	5.55E-03	0.00059	0.02365	3.3E-06	0.0298	6.80E-03	0.000726	0.028911	1.85E-06	3.64E-02	0.005996	0.000559	0.062266	1.91E-06	0.068823
212	487427.14	3857078.23	4.16675	10.48812	6.93305	3.83231	7.60E-03	0.00089	0.03684	4.1E-06	0.04533	9.31E-03	0.001094	0.045032	2.29E-06	5.54E-02	0.008206	0.000841	0.096986	2.36E-06	0.106036
213	487477.14	3857078.23	3.95273	10.18211	6.41834	3.70802	7.21E-03	0.00087	0.0341	4E-06	0.04218	8.83E-03	0.001062	0.041689	2.21E-06	5.16E-02	0.007785	0.000817	0.089786	2.29E-06	0.09839
214	487527.14	3857078.23	3.75378	9.89727	5.94948	3.60835	6.84E-03	0.00084	0.03161	3.8E-06	0.0393	8.38E-03	0.001032	0.038644	2.15E-06	4.81E-02	0.007393	0.000794	0.083227	2.22E-06	0.091416
215	487577.14	3857078.23	3.58793	9.56042	5.54763	3.49755	6.54E-03	0.00081	0.02948	3.7E-06	0.03683	8.01E-03	0.000997	0.036033	2.09E-06	4.50E-02	0.007066	0.000767	0.077606	2.16E-06	0.085441
216	487627.14	3857078.23	3.42562	9.16458	5.19842	3.40274	6.24E-03	0.00078	0.02762	3.6E-06	0.03465	7.65E-03	0.000956	0.033765	2.03E-06	4.24E-02	0.006747	0.000735	0.072721	2.1E-06	0.080205
217	487677.14	3857078.23	3.28714	8.85365	4.89584	3.37192	5.99E-03	0.00075	0.02601	3.6E-06	0.03276	7.34E-03	0.000923	0.0318	2.01E-06	4.01E-02	0.006474	0.00071	0.068488	2.08E-06	0.075674
218	487727.14	3857078.23	3.1662	8.47106	4.62224	3.34696	5.77E-03	0.00072	0.02456	3.6E-06	0.03105	7.07E-03	0.000883	0.030023	2E-06	3.80E-02	0.006236	0.00068	0.06466	2.06E-06	0.071578
219	487777.14	3857078.23	3.06564	8.25316	4.3905	3.27535	5.59E-03	0.0007	0.02333	3.5E-06	0.02962	6.85E-03	0.000861	0.028518	1.95E-06	3.62E-02	0.006038	0.000662	0.061419	2.02E-06	0.06812
220	487427.14	3857128.23	4.12433	14.17578	7.04191	4.12699	7.52E-03	0.00121	0.03741	4.4E-06	0.04614	9.21E-03	0.001478	0.045739	2.46E-06	5.64E-02	0.008123	0.001137	0.098509	2.54E-06	0.107772
221	487477.14	3857128.23	3.93824	13.39561	6.47925	3.97277	7.18E-03	0.00114	0.03443	4.2E-06	0.04275	8.80E-03	0.001397	0.042085	2.37E-06	5.23E-02	0.007756	0.001075	0.090638	2.45E-06	0.099471
222	487527.14	3857128.23	3.77909	12.82937	6.0101	3.84589	6.89E-03	0.00109	0.03193	4.1E-06	0.03992	8.44E-03	0.001338	0.039037	2.3E-06	4.88E-02	0.007443	0.001029	0.084075	2.37E-06	0.09255
223	487577.14	3857128.23	3.5875	12.24201	5.60814	3.73818	6.54E-03	0.00104	0.0298	4E-06	0.03738	8.01E-03	0.001277	0.036427	2.23E-06	4.57E-02	0.007065	0.000982	0.078452	2.3E-06	0.086502
224	487627.14	3857128.23	3.43014	11.36894	5.24124	3.63501	6.25E-03	0.00097	0.02785	3.9E-06	0.03507	7.66E-03	0.001186	0.034043	2.17E-06	4.29E-02	0.006756	0.000912	0.07332	2.24E-06	0.080989
225	487677.14	3857128.23	3.28958	10.67719	4.92654	3.52254	6.00E-03	0.00091	0.02618	3.8E-06	0.03308	7.35E-03	0.001113	0.031999	2.1E-06	4.05E-02	0.006479	0.000857	0.068917	2.17E-06	0.076255
226	487727.14	3857128.23	3.15966	9.97586	4.63205	3.52128	5.76E-03	0.00085	0.02461	3.8E-06	0.03122	7.06E-03	0.00104	0.030087	2.1E-06	3.82E-02	0.006223	0.0008	0.064798	2.17E-06	0.071823
227	487777.14	3857128.23	3.04942	9.45867	4.38381	3.47278	5.56E-03	0.0008	0.02329	3.7E-06	0.02966	6.81E-03	0.000986	0.028474	2.07E-06	3.63E-02	0.006006	0.000759	0.061325	2.14E-06	0.068092
228	488049.44	3856539.39	2.24713	2.10845	2.94469	1.86343	4.10E-03	0.00018	0.01565	2E-06	0.01992	5.02E-03	0.00022	0.019127	1.11E-06	2.44E-02	0.004426	0.000169	0.041193	1.15E-06	0.045789
229	488099.44	3856539.39	2.19169	2.14306	2.86396	1.83463	4.00E-03	0.00018	0.01522	2E-06	0.0194	4.90E-03	0.000223	0.018602	1.09E-06	2.37E-02	0.004316	0.000172	0.040064	1.13E-06	0.044553
230	488149.44	3856539.39	2.13722	2.10541	2.79618	1.8235	3.90E-03	0.00018	0.01486	1.9E-06	0.01893	4.77E-03	0.00022	0.018162	1.09E-06	2.32E-02	0.004209	0.000169	0.039116	1.12E-06	0.043495
231	488049.44	3856589.39	2.27176	2.25949	3.01775	1.94784	4.14E-03	0.00019	0.01603	2.1E-06	0.02037	5.07E-03	0.000236	0.019601	1.16E-06	2.49E-02	0.004474	0.000181	0.042215	1.2E-06	0.046872
232	488099.44	3856589.39	2.21559	2.24808	2.9404	1.91435	4.04E-03	0.00019	0.01562	2E-06	0.01985	4.95E-03	0.000234	0.019099	1.14E-06	2.43E-02	0.004364	0.00018	0.041133	1.18E-06	0.045678
233	488149.44	3856589.39	2.16102	2.31268	2.86177	1.89585	3.94E-03	0.0002	0.01521	2E-06	0.01934	4.83E-03	0.000241	0.018588	1.13E-06	2.37E-02	0.004256	0.000186	0.040033	1.17E-06	0.044476
234	488199.44	3856589.39	2.11054	2.33389	2.78811	1.86517	3.85E-03	0.0002	0.01481	2E-06	0.01886	4.71E-03	0.000243	0.01811	1.11E-06	2.31E-02	0.004157	0.000187	0.039003	1.15E-06	0.043348
235	488249.44	3856589.39	2.05481	2.31476	2.71173	1.88099	3.75E-03	0.0002	0.01441	2E-06	0.01835	4.59E-03	0.000241	0.017613	1.12E-06	2.24E-02	0.004047	0.000186	0.037934	1.16E-06	0.042168
236	488049.44	3856639.39	2.30903	2.45456	3.095	2.03371	4.21E-03	0.00021	0.01644	2.2E-06	0.02086	5.16E-03	0.000256	0.020103	1.21E-06	2.55E-02	0.004548	0.000197	0.043296	1.25E-06	0.048042
237	488099.44	3856639.39	2.24848	2.51538	3.00495	2.00631	4.10E-03	0.00021	0.01597	2.1E-06	0.02028	5.02E-03	0.000262	0.019518	1.2E-06	2.48E-02	0.004428	0.000202	0.042036	1.24E-06	0.046668
238	488149.44	3856639.39	2.18823	2.53152	2.91943	1.9774	3.99E-03	0.00022	0.01551	2.1E-06	0.01972	4.89E-03	0.000264	0.018963	1.18E-06	2.41E-02	0.00431	0.000203	0.04084	1.22E-06	0.045354
239	488199.44	3856639.39	2.1323	2.51523	2.84083	1.95421	3.89E-03	0.00021	0.01509	2.1E-06	0.0192	4.76E-03	0.000262	0.018452	1.17E-06	2.35E-02	0.004199	0.000202	0.03974	1.2E-06	0.044143
240	488249.44	3856639.39	2.08076	2.49416	2.7681	1.93564	3.79E-03	0.00021	0.01471	2.1E-06	0.01871	4.65E-03	0.00026	0.01798	1.16E-06	2.29E-02	0.004098	0.0002	0.038723	1.19E-06	0.043022

241	488299.44	3856639.39	2.02818	2.48167	2.69692	1.93093	3.70E-03	0.00021	0.01433	2.1E-06	0.01824	4.53E-03	0.000259	0.017517	1.15E-06	2.23E-02	0.003994	0.000199	0.037727	1.19E-06	0.041922
242	488349.44	3856639.39	1.97981	2.47067	2.63284	1.91252	3.61E-03	0.00021	0.01399	2E-06	0.01781	4.42E-03	0.000258	0.017101	1.14E-06	2.18E-02	0.003899	0.000198	0.036831	1.18E-06	0.040929
243	488399.44	3856639.39	1.93365	2.41601	2.56773	1.91116	3.52E-03	0.00021	0.01364	2E-06	0.01738	4.32E-03	0.000252	0.016678	1.14E-06	2.13E-02	0.003808	0.000194	0.03592	1.18E-06	0.039923
244	488099.44	3856689.39	2.27894	2.7313	3.04598	2.09248	4.15E-03	0.00023	0.01618	2.2E-06	0.02057	5.09E-03	0.000285	0.019785	1.25E-06	2.52E-02	0.004488	0.000219	0.04261	1.29E-06	0.047319
245	488149.44	3856689.39	2.2215	2.7261	2.96031	2.05609	4.05E-03	0.00023	0.01573	2.2E-06	0.02001	4.96E-03	0.000284	0.019228	1.23E-06	2.45E-02	0.004375	0.000219	0.041412	1.27E-06	0.046007
246	488199.44	3856689.39	2.16386	2.68542	2.87522	2.04314	3.94E-03	0.00023	0.01528	2.2E-06	0.01945	4.83E-03	0.00028	0.018675	1.22E-06	2.38E-02	0.004262	0.000215	0.040221	1.26E-06	0.0447
247	488249.44	3856689.39	2.10981	2.68528	2.79774	2.01669	3.85E-03	0.00023	0.01486	2.2E-06	0.01894	4.71E-03	0.00028	0.018172	1.2E-06	2.32E-02	0.004155	0.000215	0.039138	1.24E-06	0.043509
248	488299.44	3856689.39	2.05401	2.6806	2.72517	2.01472	3.74E-03	0.00023	0.01448	2.1E-06	0.01845	4.59E-03	0.00028	0.017701	1.2E-06	2.26E-02	0.004045	0.000215	0.038122	1.24E-06	0.042384
249	488349.44	3856689.39	2.00113	2.60843	2.66354	1.98571	3.65E-03	0.00022	0.01415	2.1E-06	0.01802	4.47E-03	0.000272	0.0173	1.19E-06	2.20E-02	0.003941	0.000209	0.03726	1.22E-06	0.041412
250	488399.44	3856689.39	1.958	2.58586	2.6094	1.94227	3.57E-03	0.00022	0.01386	2.1E-06	0.01766	4.37E-03	0.00027	0.016949	1.16E-06	2.16E-02	0.003856	0.000207	0.036503	1.2E-06	0.040568
251	488099.44	3856739.39	2.30952	2.93105	3.07813	2.20397	4.21E-03	0.00025	0.01635	2.4E-06	0.02082	5.16E-03	0.000306	0.019993	1.32E-06	2.55E-02	0.004549	0.000235	0.04306	1.36E-06	0.047845
252	488149.44	3856739.39	2.24896	2.93174	2.99393	2.14353	4.10E-03	0.00025	0.01591	2.3E-06	0.02026	5.02E-03	0.000306	0.019446	1.28E-06	2.48E-02	0.004429	0.000235	0.041882	1.32E-06	0.046548
253	488199.44	3856739.39	2.18751	2.90643	2.91182	2.1386	3.99E-03	0.00025	0.01547	2.3E-06	0.01971	4.89E-03	0.000303	0.018913	1.28E-06	2.41E-02	0.004308	0.000233	0.040733	1.32E-06	0.045276
254	488249.44	3856739.39	2.12954	2.84874	2.84542	2.10558	3.88E-03	0.00024	0.01512	2.2E-06	0.01924	4.76E-03	0.000297	0.018482	1.26E-06	2.35E-02	0.004194	0.000229	0.039805	1.3E-06	0.044228
255	488299.44	3856739.39	2.07717	2.79955	2.78452	2.05339	3.79E-03	0.00024	0.01479	2.2E-06	0.01882	4.64E-03	0.000292	0.018086	1.23E-06	2.30E-02	0.004091	0.000225	0.038953	1.27E-06	0.043269
256	488349.44	3856739.39	2.02065	2.76856	2.71359	2.06138	3.68E-03	0.00024	0.01442	2.2E-06	0.01834	4.51E-03	0.000289	0.017626	1.23E-06	2.24E-02	0.00398	0.000222	0.03796	1.27E-06	0.042163
257	488399.44	3856739.39	1.96921	2.76216	2.64249	2.07989	3.59E-03	0.00024	0.01404	2.2E-06	0.01787	4.40E-03	0.000288	0.017164	1.24E-06	2.19E-02	0.003878	0.000222	0.036966	1.28E-06	0.041067
258	487999.44	3856789.39	2.51378	3.27751	3.35627	2.31912	4.58E-03	0.00028	0.01783	2.5E-06	0.0227	5.62E-03	0.000342	0.0218	1.38E-06	2.78E-02	0.004951	0.000263	0.046951	1.43E-06	0.052166
259	488049.44	3856789.39	2.43767	3.25398	3.24523	2.28974	4.44E-03	0.00028	0.01724	2.4E-06	0.02197	5.45E-03	0.000339	0.021079	1.37E-06	2.69E-02	0.004801	0.000261	0.045398	1.41E-06	0.050461
260	488099.44	3856789.39	2.36488	3.22455	3.14275	2.28986	4.31E-03	0.00027	0.0167	2.4E-06	0.02129	5.28E-03	0.000336	0.020413	1.37E-06	2.60E-02	0.004658	0.000259	0.043964	1.41E-06	0.048882
261	488149.44	3856789.39	2.28922	3.17605	3.05435	2.25591	4.17E-03	0.00027	0.01623	2.4E-06	0.02067	5.11E-03	0.000331	0.019839	1.35E-06	2.53E-02	0.004509	0.000255	0.042727	1.39E-06	0.047492
262	488199.44	3856789.39	2.21781	3.09824	2.96556	2.23757	4.04E-03	0.00026	0.01576	2.4E-06	0.02007	4.95E-03	0.000323	0.019262	1.34E-06	2.45E-02	0.004368	0.000249	0.041485	1.38E-06	0.046103
263	488249.44	3856789.39	2.15474	3.06599	2.89019	2.2017	3.93E-03	0.00026	0.01536	2.3E-06	0.01955	4.81E-03	0.00032	0.018773	1.31E-06	2.39E-02	0.004244	0.000246	0.040431	1.36E-06	0.044922
264	488299.44	3856789.39	2.09873	3.07987	2.82015	2.14065	3.83E-03	0.00026	0.01498	2.3E-06	0.01907	4.69E-03	0.000321	0.018318	1.28E-06	2.33E-02	0.004133	0.000247	0.039451	1.32E-06	0.043833
265	488349.44	3856789.39	2.03892	3.07267	2.73905	2.15697	3.72E-03	0.00026	0.01455	2.3E-06	0.01853	4.55E-03	0.00032	0.017791	1.29E-06	2.27E-02	0.004016	0.000246	0.038317	1.33E-06	0.04258
266	488399.44	3856789.39	1.98363	3.04226	2.66535	2.14837	3.62E-03	0.00026	0.01416	2.3E-06	0.01804	4.43E-03	0.000317	0.017312	1.28E-06	2.21E-02	0.003907	0.000244	0.037286	1.32E-06	0.041438
267	487949.44	3856839.39	2.6295	3.67376	3.55407	2.45768	4.79E-03	0.00031	0.01888	2.6E-06	0.02399	5.87E-03	0.000383	0.023085	1.47E-06	2.93E-02	0.005179	0.000295	0.049718	1.52E-06	0.055193
268	487999.44	3856839.39	2.54242	3.66145	3.41918	2.42645	4.63E-03	0.00031	0.01817	2.6E-06	0.02312	5.68E-03	0.000382	0.022209	1.45E-06	2.83E-02	0.005007	0.000294	0.047831	1.5E-06	0.053133
269	488049.44	3856839.39	2.46307	3.63149	3.31161	2.39761	4.49E-03	0.00031	0.0176	2.6E-06	0.0224	5.50E-03	0.000379	0.02151	1.43E-06	2.74E-02	0.004851	0.000291	0.046326	1.48E-06	0.05147
270	488099.44	3856839.39	2.38402	3.5299	3.20415	2.36953	4.35E-03	0.0003	0.01702	2.5E-06	0.02167	5.33E-03	0.000368	0.020812	1.41E-06	2.65E-02	0.004695	0.000283	0.044823	1.46E-06	0.049803
271	488149.44	3856839.39	2.31281	3.47344	3.10873	2.35745	4.22E-03	0.0003	0.01652	2.5E-06	0.02103	5.17E-03	0.000362	0.020192	1.41E-06	2.57E-02	0.004555	0.000279	0.043488	1.45E-06	0.048323
272	488199.44	3856839.39	2.24673	3.47973	3.01352	2.34398	4.10E-03	0.0003	0.01601	2.5E-06	0.02041	5.02E-03	0.000363	0.019574	1.4E-06	2.50E-02	0.004425	0.000279	0.042156	1.45E-06	0.046862
273	487949.44	3856889.39	2.65241	4.20807	3.63462	2.55179	4.83E-03	0.00036	0.01931	2.7E-06	0.02451	5.92E-03	0.000439	0.023608	1.52E-06	3.00E-02	0.005224	0.000338	0.050845	1.57E-06	0.056408
274	487999.44	3856889.39	2.5628	4.06398	3.49786	2.54516	4.67E-03	0.00035	0.01858	2.7E-06	0.0236	5.72E-03	0.000424	0.02272	1.52E-06	2.89E-02	0.005047	0.000326	0.048932	1.57E-06	0.054306
275	488049.44	3856889.39	2.49075	4.0689	3.38592	2.48618	4.54E-03	0.00035	0.01799	2.7E-06	0.02288	5.56E-03	0.000424	0.021993	1.48E-06	2.80E-02	0.004905	0.000326	0.047366	1.53E-06	0.052599
276	488099.44	3856889.39	2.41441	4.05618	3.26886	2.48167	4.40E-03	0.00035	0.01737	2.6E-06	0.02212	5.39E-03	0.000423	0.021232	1.48E-06	2.70E-02	0.004755	0.000325	0.045728	1.53E-06	0.05081
277	488635.86	3857895.05	1.75886	2.79382	1.4865	4.31267	3.21E-03	0.00024	0.0079	4.6E-06	0.01135	3.93E-03	0.000291	0.009655	2.57E-06	1.39E-02	0.003464	0.000224	0.020795	2.66E-06	0.024485
278	489137.64	3857804.15	1.40419	2.40552	1.3014	2.76541	2.56E-03	0.0002	0.00691	3E-06	0.00968	3.14E-03	0.000251	0.008453	1.65E-06	1.18E-02	0.002766	0.000193	0.018205	1.71E-06	0.021165
279	488617.32	3857859.41	1.79574	2.916	1.55961	4.37294	3.27E-03	0.00025	0.00829	4.7E-06	0.01181	4.01E-03	0.000304	0.01013	2.61E-06	1.44E-02	0.003537	0.000234	0.021817	2.7E-06	0.025591
280	488667.32	3857859.41	1.74328	2.80778	1.54392	4.15342	3.18E-03	0.00024	0.0082	4.4E-06	0.01162	3.89E-03	0.000293	0.010028	2.48E-06	1.42E-02	0.003433	0.000225	0.021598	2.56E-06	0.025259
281	488717.32	3857859.41	1.69591	2.67522	1.49882	3.95514	3.09E-03	0.00023	0.00796	4.2E-06	0.01129	3.79E-03	0.000279	0.009735	2.36E-06	1.38E-02	0.00334	0.000215	0.020967	2.44E-06	0.024524
282	488767.32	3857859.41	1.6425	2.62256	1.43824	3.78534	2.99E-03	0.00022	0.00764	4E-06	0.01086	3.67E-03	0.000273	0.009342	2.26E-06	1.33E-02	0.003235	0.00021	0.02012	2.33E-06	0.023567
283	488617.32	3857909.41	1.77057	2.73347	1.48726	4.39859	3.23E-03	0.00023	0.0079	4.7E-06	0.01137	3.95E-03	0.000285	0.00966	2.63E-06	1.39E-02	0.003487	0.000219	0.020805	2.71E-06	0.024514
284	488667.32	3857909.41	1.71341	2.68487	1.44422	4.18383	3.12E-03	0.00023	0.00767	4.5E-06	0.01103	3.83E-03	0.00028	0.009381	2.5E-06	1.35E-02	0.003375	0.000215	0.020203	2.58E-06	0.023796
285	488717.32	3857909.41	1.66059	2.66122	1.45252	3.95199	3.03E-03	0.00023	0.00772	4.2E-06	0.01098	3.71E-03	0.000278	0.009435	2.36E-06	1.34E-02	0.00327	0.000213	0.020319	2.44E-06	0.023806
286	488767.32	3857909.41	1.6079	2.54863	1.43396	3.77977	2.93E-03	0.00022	0.00762	4E-06	0.01077	3.59E-03	0.000266	0.009314	2.26E-06	1.32E-02	0.003167	0.000204	0.02006	2.33E-06	0.023433
287	488417.32	3857959.41	2.00988	2.92212	1.5908	5.70166	3.66E-03	0.00025	0.00845	6.1E-06	0.01237	4.49E-03	0.000305	0.010333	3.4E-06	1.51E-02	0.003958	0.000234	0.022254	3.52E-06	0.02645
288	488467.32	3857959.41	1.94684	2.85178	1.53443	5.30057	3.55E-03	0.00024	0.00815	5.7E-06	0.01195	4.35E-03	0.000297	0.009967	3.16E-06	1.46E-02	0.003834	0.000229	0.021465	3.27E-06	0.025531
289	488517.32	3857959.41	1.89076	2.81287	1.49791	4.9493	3.45E-03	0.00024	0.00796	5.3E-06	0.01165	4.22E-03	0.000293	0.009729	2.95E-06	1.42E-02	0.003724	0.000226	0.020954	3.05E-06	0.024907
290	488567.32	3857959.41	1.82057	2.70355	1.47511	4.65327	3.32E-03	0.00023	0.00784	5E-06	0.01139	4.07E-03	0.000282	0.009581	2.78E-06	1.39E-02	0.003586	0.000217	0.020635	2.87E-06	0.024441
291	488617.32	3857959.41	1.74913	2.63632	1.4373	4.39593	3.19E-03	0.00022	0.00764	4.7E-06	0.01105	3.91E-03	0.000275	0.009336	2.62E-06	1.35E-02	0.003445	0.000211	0.020106	2.71E-06	0.023765
292	488667.32	3857959.41	1.68781	2.55489	1.4135	4.16601	3.08E-03	0.00022	0.00751	4.4E-06	0.01081	3.77E-03	0.000266	0.009181	2.49E-06	1.32E-02	0.003324	0.000205	0.019773	2.57E-06	0.023305
293	488717.32	3857959.41	1.64095	2.43191	1.37533	3.96599	2.99E-03	0.00021	0.00731	4.2E-06	0.01051	3.67E-03	0.000254	0.008933	2.37E-06	1.29E-02	0.003232	0.000195	0.019239	2.45E-06	0.022669
294	488767.32	3857959.41	1.59697	2.41448	1.35281	3.7718	2.91E-03	0.00021	0.00719	4E-06	0.01031	3.57E-03	0.000252	0.008787	2.25E-06	1.26E-02	0.003145	0.000194	0.018924	2.33E-06	0.022266
295	488417.32	3858009.41	1.99838	2.70386	1.56474	5.58074	3.64E-03	0.00023	0.00831	6E-06	0.01219	4.46E-03	0.000282	0.010163	3.33E-06	1.49E-02	0.003936	0.000217	0.021889	3.44E-06	0.026045
296	488467.32	3858009.41	1.92363	2.65752	1.50409	5.17676	3.51E-03	0.00023	0.00799	5.5E-06	0.01173	4.30E-03	0.000277	0.00977	3.09E-06	1.43E-02	0.003789	0.000213	0.021041	3.19E-06	0.025046
297	488517.32	3858009.41	1.84805	2.60295	1.46669	4.81102	3.37E-03	0.00022	0.00779	5.1E-06	0.01139	4.13E-03	0.000271	0.009527	2.87E-06	1.39E-02	0.00364	0.000209	0.020518	2.97E-06	0.024369
298	488567.32	3858009.41	1.78494	2.54975	1.40965	4.52217	3.25E-03	0.00022	0.00749	4.8E-06	0.01097	3.99E-03	0.000266	0.009156	2.7E-06	1.34E-02	0.003515	0.000205	0.01972	2.79E-06	0.023442
299	488617.32	3858009.41	1.7293	2.52923	1.38656	4.22762	3.15E-03	0.00022	0.00737	4.5E-06	0.01074	3.86E-03	0.000264	0.009006	2.52E-06	1.31E-02	0.003406	0.000203	0.019397	2.61E-06	0.023008
300	488667.32	3858009.41	1.67886	2.45201	1.3661	3.96748	3.06E-03	0.00021	0.00726	4.2E-06	0.01053	3.75E-03	0.000256	0.008873	2.37E-06	1.29E-02	0.003306	0.000197	0.01911	2.45E-06	0.022616
301	488717.32	3858009.41	1.62142	2.36193	1.33489	3.75166	2.96E-03	0.0002	0.00709	4E-06	0.01025	3.62E-03	0.000246	0.008671	2.24E-06	1.25E-02	0.003193	0.000189	0.018674	2.31E-06	0.022059

302	488767.32	3858009.41	1.57359	2.31826	1.32879	3.56429	2.87E-03	0.0002	0.00706	3.8E-06	0.01013	3.51E-03	0.000242	0.008631	2.13E-06	1.24E-02	0.003099	0.000186	0.018588	2.2E-06	0.021876
303	488417.32	3858059.41	1.98877	2.48596	1.47502	5.2629	3.63E-03	0.00021	0.00784	5.6E-06	0.01168	4.44E-03	0.000259	0.009581	3.14E-06	1.43E-02	0.003917	0.000199	0.020634	3.24E-06	0.024754
304	488467.32	3858059.41	1.91136	2.47041	1.46487	4.9459	3.48E-03	0.00021	0.00778	5.3E-06	0.01148	4.27E-03	0.000258	0.009515	2.95E-06	1.40E-02	0.003764	0.000198	0.020492	3.05E-06	0.024458
305	488517.32	3858059.41	1.8384	2.41303	1.45143	4.60231	3.35E-03	0.00021	0.00771	4.9E-06	0.01127	4.11E-03	0.000252	0.009427	2.75E-06	1.38E-02	0.003621	0.000194	0.020304	2.84E-06	0.024121
306	488567.32	3858059.41	1.77516	2.39527	1.40021	4.30021	3.24E-03	0.0002	0.00744	4.6E-06	0.01088	3.97E-03	0.00025	0.009095	2.57E-06	1.33E-02	0.003496	0.000192	0.019588	2.65E-06	0.023278
307	488617.32	3858059.41	1.7115	2.33906	1.37207	4.05697	3.12E-03	0.0002	0.00729	4.3E-06	0.01061	3.82E-03	0.000244	0.008912	2.42E-06	1.30E-02	0.003371	0.000188	0.019194	2.5E-06	0.022755
308	488667.32	3858059.41	1.66868	2.29673	1.31232	3.82629	3.04E-03	0.0002	0.00697	4.1E-06	0.01021	3.73E-03	0.000239	0.008524	2.28E-06	1.25E-02	0.003286	0.000184	0.018358	2.36E-06	0.021831
309	488417.32	3858109.41	2.00805	2.38723	1.4261	4.74028	3.66E-03	0.0002	0.00758	5.1E-06	0.01145	4.49E-03	0.000249	0.009263	2.83E-06	1.40E-02	0.003955	0.000191	0.01995	2.92E-06	0.024099
310	488467.32	3858109.41	1.95387	2.32965	1.40568	4.54364	3.56E-03	0.0002	0.00747	4.8E-06	0.01123	4.36E-03	0.000243	0.00913	2.71E-06	1.37E-02	0.003848	0.000187	0.019664	2.8E-06	0.023702
311	488517.32	3858109.41	1.87752	2.25625	1.38012	4.28436	3.42E-03	0.00019	0.00733	4.6E-06	0.01095	4.19E-03	0.000235	0.008964	2.56E-06	1.34E-02	0.003698	0.000181	0.019306	2.64E-06	0.023188
312	488567.32	3858109.41	1.79825	2.24695	1.38337	4.05862	3.28E-03	0.00019	0.00735	4.3E-06	0.01082	4.02E-03	0.000234	0.008985	2.42E-06	1.32E-02	0.003542	0.00018	0.019352	2.5E-06	0.023076
313	488617.32	3858109.41	1.72591	2.17611	1.348	3.83511	3.15E-03	0.00019	0.00716	4.1E-06	0.0105	3.86E-03	0.000227	0.008756	2.29E-06	1.28E-02	0.003399	0.000175	0.018857	2.36E-06	0.022433
314	488667.32	3858109.41	1.66084	2.17944	1.31127	3.61367	3.03E-03	0.00019	0.00697	3.9E-06	0.01018	3.71E-03	0.000227	0.008517	2.16E-06	1.25E-02	0.003271	0.000175	0.018343	2.23E-06	0.021791
315	488769.93	3858449.27	1.83396	1.55177	1.01548	2.34673	3.34E-03	0.00013	0.0054	2.5E-06	0.00887	4.10E-03	0.000162	0.006596	1.4E-06	1.09E-02	0.003612	0.000124	0.014206	1.45E-06	0.017943
316	488819.93	3858449.27	1.76047	1.55652	0.99012	2.27767	3.21E-03	0.00013	0.00526	2.4E-06	0.0086	3.93E-03	0.000162	0.006431	1.36E-06	1.05E-02	0.003467	0.000125	0.013851	1.4E-06	0.017444
317	488819.93	3858499.27	1.81946	1.45635	0.98392	2.18951	3.32E-03	0.00012	0.00523	2.3E-06	0.00867	4.06E-03	0.000152	0.006391	1.31E-06	1.06E-02	0.003583	0.000117	0.013764	1.35E-06	0.017466
318	488869.93	3858499.27	1.74376	1.48916	0.96733	2.16316	3.18E-03	0.00013	0.00514	2.3E-06	0.00845	3.90E-03	0.000155	0.006283	1.29E-06	1.03E-02	0.003434	0.000119	0.013532	1.33E-06	0.017087
319	488869.93	3858549.27	1.8127	1.38942	0.95363	2.03852	3.30E-03	0.00012	0.00507	2.2E-06	0.00849	4.05E-03	0.000145	0.006194	1.22E-06	1.04E-02	0.00357	0.000111	0.01334	1.26E-06	0.017023
320	489438.17	3859571.48	0.77415	0.84049	0.63751	1.10573	1.41E-03	7.2E-05	0.00339	1.2E-06	0.00487	1.73E-03	8.76E-05	0.004141	6.6E-07	5.96E-03	0.001525	6.74E-05	0.008918	6.82E-07	0.010511
321	489488.17	3859571.48	0.77131	0.83882	0.62637	1.10325	1.41E-03	7.1E-05	0.00333	1.2E-06	0.00481	1.72E-03	8.75E-05	0.004068	6.58E-07	5.88E-03	0.001519	6.73E-05	0.008762	6.8E-07	0.010349
322	489538.17	3859571.48	0.75808	0.82917	0.61541	1.09468	1.38E-03	7.1E-05	0.00327	1.2E-06	0.00472	1.69E-03	8.65E-05	0.003997	6.53E-07	5.78E-03	0.001493	6.65E-05	0.008609	6.75E-07	0.010169
323	489588.17	3859571.48	0.74386	0.80835	0.62251	1.07666	1.36E-03	6.9E-05	0.00331	1.1E-06	0.00473	1.66E-03	8.43E-05	0.004043	6.43E-07	5.79E-03	0.001465	6.48E-05	0.008708	6.64E-07	0.010239
324	489438.17	3859621.48	0.74256	0.80306	0.61983	1.0476	1.35E-03	6.8E-05	0.00329	1.1E-06	0.00472	1.66E-03	8.37E-05	0.004026	6.25E-07	5.77E-03	0.001462	6.44E-05	0.008671	6.46E-07	0.010198
325	489488.17	3859621.48	0.74654	0.81584	0.62293	1.0717	1.36E-03	6.9E-05	0.00331	1.1E-06	0.00474	1.67E-03	8.51E-05	0.004046	6.4E-07	5.80E-03	0.00147	6.54E-05	0.008714	6.61E-07	0.010251
326	489538.17	3859621.48	0.74496	0.81554	0.61196	1.07328	1.36E-03	6.9E-05	0.00325	1.1E-06	0.00468	1.66E-03	8.5E-05	0.003975	6.41E-07	5.72E-03	0.001467	6.54E-05	0.008561	6.62E-07	0.010094
327	489588.17	3859621.48	0.7321	0.80855	0.601	1.0616	1.33E-03	6.9E-05	0.00319	1.1E-06	0.0046	1.64E-03	8.43E-05	0.003904	6.34E-07	5.62E-03	0.001442	6.49E-05	0.008407	6.55E-07	0.009915
328	489238.17	3859671.48	0.65959	0.76468	0.57684	0.9777	1.20E-03	6.5E-05	0.00306	1E-06	0.00433	1.47E-03	7.97E-05	0.003747	5.84E-07	5.30E-03	0.001299	6.13E-05	0.008069	6.03E-07	0.00943
329	489288.17	3859671.48	0.66405	0.75964	0.58437	0.9891	1.21E-03	6.5E-05	0.0031	1.1E-06	0.00438	1.48E-03	7.92E-05	0.003796	5.9E-07	5.36E-03	0.001308	6.09E-05	0.008175	6.1E-07	0.009544
330	489338.17	3859671.48	0.67678	0.738	0.57351	0.97411	1.23E-03	6.3E-05	0.00305	1E-06	0.00434	1.51E-03	7.7E-05	0.003725	5.81E-07	5.31E-03	0.001333	5.92E-05	0.008023	6.01E-07	0.009416
331	489388.17	3859671.48	0.70235	0.73793	0.58647	0.99102	1.28E-03	6.3E-05	0.00312	1.1E-06	0.00446	1.57E-03	7.69E-05	0.003809	5.91E-07	5.46E-03	0.001383	5.92E-05	0.008204	6.11E-07	0.009647
332	489438.17	3859671.48	0.69827	0.75683	0.58646	1.01429	1.27E-03	6.4E-05	0.00312	1.1E-06	0.00445	1.56E-03	7.89E-05	0.003809	6.05E-07	5.45E-03	0.001375	6.07E-05	0.008204	6.25E-07	0.009641
333	489488.17	3859671.48	0.71664	0.78512	0.60749	1.01955	1.31E-03	6.7E-05	0.00323	1.1E-06	0.0046	1.60E-03	8.19E-05	0.003946	6.09E-07	5.63E-03	0.001411	6.3E-05	0.008498	6.29E-07	0.009973
334	489538.17	3859671.48	0.72463	0.79646	0.61123	1.041	1.32E-03	6.8E-05	0.00325	1.1E-06	0.00464	1.62E-03	8.31E-05	0.00397	6.21E-07	5.67E-03	0.001427	6.39E-05	0.00855	6.42E-07	0.010042
335	489588.17	3859671.48	0.72332	0.79741	0.60152	1.04512	1.32E-03	6.8E-05	0.0032	1.1E-06	0.00458	1.62E-03	8.32E-05	0.003907	6.24E-07	5.61E-03	0.001425	6.4E-05	0.008415	6.44E-07	0.009904
336	489238.17	3859721.48	0.62245	0.70985	0.55771	0.90246	1.13E-03	6E-05	0.00296	9.6E-07	0.00416	1.39E-03	7.4E-05	0.003622	5.39E-07	5.09E-03	0.001226	5.69E-05	0.007802	5.56E-07	0.009085
337	489288.17	3859721.48	0.64312	0.74713	0.56611	0.96066	1.17E-03	6.4E-05	0.00301	1E-06	0.00424	1.44E-03	7.79E-05	0.003677	5.73E-07	5.19E-03	0.001267	5.99E-05	0.007919	5.92E-07	0.009246
338	489338.17	3859721.48	0.64739	0.74022	0.57347	0.95572	1.18E-03	6.3E-05	0.00305	1E-06	0.00429	1.45E-03	7.72E-05	0.003725	5.7E-07	5.25E-03	0.001275	5.94E-05	0.008022	5.89E-07	0.009357
339	489388.17	3859721.48	0.65838	0.72102	0.56186	0.94943	1.20E-03	6.1E-05	0.00299	1E-06	0.00425	1.47E-03	7.52E-05	0.003649	5.67E-07	5.20E-03	0.001297	5.78E-05	0.00786	5.85E-07	0.009215
340	489438.17	3859721.48	0.67966	0.72153	0.574	0.96614	1.24E-03	6.1E-05	0.00305	1E-06	0.00435	1.52E-03	7.52E-05	0.003728	5.77E-07	5.32E-03	0.001339	5.79E-05	0.00803	5.96E-07	0.009427
341	489488.17	3859721.48	0.68017	0.7432	0.57548	0.98805	1.24E-03	6.3E-05	0.00306	1.1E-06	0.00436	1.52E-03	7.75E-05	0.003738	5.9E-07	5.34E-03	0.00134	5.96E-05	0.00805	6.09E-07	0.00945
342	489538.17	3859721.48	0.69522	0.76955	0.59551	0.99193	1.27E-03	6.5E-05	0.00316	1.1E-06	0.0045	1.55E-03	8.02E-05	0.003868	5.92E-07	5.50E-03	0.001369	6.17E-05	0.008331	6.12E-07	0.009762
343	489588.17	3859721.48	0.70431	0.7793	0.60095	1.01162	1.28E-03	6.6E-05	0.00319	1.1E-06	0.00454	1.57E-03	8.13E-05	0.003903	6.04E-07	5.56E-03	0.001387	6.25E-05	0.008407	6.24E-07	0.009857
344	489238.17	3859771.48	0.59192	0.68317	0.52262	0.9048	1.08E-03	5.8E-05	0.00278	9.7E-07	0.00391	1.32E-03	7.12E-05	0.003395	5.4E-07	4.79E-03	0.001166	5.48E-05	0.007311	5.58E-07	0.008532
345	489288.17	3859771.48	0.61216	0.69875	0.54807	0.87952	1.12E-03	5.9E-05	0.00291	9.4E-07	0.00409	1.37E-03	7.29E-05	0.00356	5.25E-07	5.00E-03	0.001206	5.61E-05	0.007667	5.42E-07	0.008929
346	489338.17	3859771.48	0.6223	0.72619	0.55464	0.94358	1.13E-03	6.2E-05	0.00295	1E-06	0.00414	1.39E-03	7.57E-05	0.003603	5.63E-07	5.07E-03	0.001226	5.83E-05	0.007759	5.82E-07	0.009043
347	489388.17	3859771.48	0.63209	0.71938	0.56113	0.92476	1.15E-03	6.1E-05	0.00298	9.9E-07	0.0042	1.41E-03	7.5E-05	0.003645	5.52E-07	5.13E-03	0.001245	5.77E-05	0.00785	5.7E-07	0.009153
348	489438.17	3859771.48	0.64027	0.70244	0.54887	0.92359	1.17E-03	6E-05	0.00292	9.9E-07	0.00414	1.43E-03	7.32E-05	0.003565	5.51E-07	5.07E-03	0.001261	5.63E-05	0.007678	5.69E-07	0.008996
349	489488.17	3859771.48	0.66154	0.70934	0.56446	0.94291	1.21E-03	6E-05	0.003	1E-06	0.00427	1.48E-03	7.4E-05	0.003666	5.63E-07	5.22E-03	0.001303	5.69E-05	0.007896	5.81E-07	0.009257
350	489538.17	3859771.48	0.66142	0.73026	0.56535	0.95919	1.21E-03	6.2E-05	0.003	1E-06	0.00427	1.48E-03	7.61E-05	0.003672	5.72E-07	5.23E-03	0.001303	5.86E-05	0.007909	5.91E-07	0.00927
351	489588.17	3859771.48	0.67531	0.75424	0.58405	0.96538	1.23E-03	6.4E-05	0.0031	1E-06	0.0044	1.51E-03	7.87E-05	0.003794	5.76E-07	5.38E-03	0.00133	6.05E-05	0.00817	5.95E-07	0.009561
352	489238.17	3859821.48	0.57096	0.66629	0.51395	0.89293	1.04E-03	5.7E-05	0.00273	9.5E-07	0.00383	1.28E-03	6.95E-05	0.003338	5.33E-07	4.68E-03	0.001124	5.34E-05	0.00719	5.51E-07	0.008368
353	489288.17	3859821.48	0.57946	0.67058	0.51318	0.88141	1.06E-03	5.7E-05	0.00273	9.4E-07	0.00384	1.29E-03	6.99E-05	0.003333	5.26E-07	4.70E-03	0.001141	5.38E-05	0.007179	5.43E-07	0.008374
354	489338.17	3859821.48	0.60061	0.68619	0.53722	0.86162	1.09E-03	5.8E-05	0.00285	9.2E-07	0.00401	1.34E-03	7.16E-05	0.003489	5.14E-07	4.90E-03	0.001183	5.5E-05	0.007515	5.31E-07	0.008754
355	489388.17	3859821.48	0.60359	0.71112	0.54461	0.91925	1.10E-03	6.1E-05	0.00289	9.8E-07	0.00406	1.35E-03	7.42E-05	0.003537	5.49E-07	4.96E-03	0.001189	5.7E-05	0.007619	5.67E-07	0.008865
356	489438.17	3859821.48	0.61807	0.70212	0.55087	0.89573	1.13E-03	6E-05	0.00293	9.6E-07	0.00411	1.38E-03	7.32E-05	0.003578	5.35E-07	5.03E-03	0.001217	5.63E-05	0.007706	5.52E-07	0.00898
357	489488.17	3859821.48	0.62882	0.69216	0.54029	0.90191	1.15E-03	5.9E-05	0.00287	9.6E-07	0.00408	1.40E-03	7.22E-05	0.003509	5.38E-07	4.99E-03	0.001238	5.55E-05	0.007558	5.56E-07	0.008853
358	489538.17	3859821.48	0.64515	0.69925	0.55586	0.92035	1.18E-03	6E-05	0.00295	9.8E-07	0.00419	1.44E-03	7.29E-05	0.00361	5.49E-07	5.13E-03	0.001271	5.61E-05	0.007776	5.67E-07	0.009103
359	489588.17	3859821.48	0.6439	0.71659	0.55484	0.93157	1.17E-03	6.1E-05	0.00295	9.9E-07	0.00418	1.44E-03	7.47E-05	0.003604	5.56E-07	5.12E-03	0.001268	5.75E-05	0.007762	5.74E-07	0.009088
360	489238.17	3859871.48	0.55218	0.67558	0.5042	0.86615	1.01E-03	5.7E-05	0.00268	9.2E-07	0.00374	1.23E-03	7.04E-05	0.003275	5.17E-07	4.58E-03	0.001088	5.42E-05	0.007053	5.34E-07	0.008195
361	489288.17	3859871.48	0.55926	0.65202	0.50297	0.86493	1.02E-03	5.5E-05	0.00267	9.2E-07	0.00375	1.25E-03	6.8E-05	0.003267	5.16E-07	4.58E-03	0.001101	5.23E-05	0.007036	5.33E-07	0.00819
362	489338.17	3859871.48	0.56653	0.65512	0.50433	0.85838	1.03E-03	5.6E-05	0.00268	9.2E-07	0.00377	1.27E-03	6.83E-05	0.003276	5.12E-07	4.61E-03	0.001116	5.26E-05	0.007055	5.29E-07	0.008224

363	489388.17	3859871.48	0.59126	0.67633	0.52825	0.84524	1.08E-03	5.8E-05	0.00281	9E-07	0.00394	1.32E-03	7.05E-05	0.003431	5.04E-07	4.82E-03	0.001164	5.43E-05	0.00739	5.21E-07	0.008609
364	489438.17	3859871.48	0.59119	0.70259	0.53812	0.89407	1.08E-03	6E-05	0.00286	9.5E-07	0.004	1.32E-03	7.33E-05	0.003495	5.34E-07	4.89E-03	0.001164	5.64E-05	0.007528	5.51E-07	0.008749
365	489488.17	3859871.48	0.60715	0.68851	0.54479	0.87204	1.11E-03	5.9E-05	0.00289	9.3E-07	0.00406	1.36E-03	7.18E-05	0.003539	5.2E-07	4.97E-03	0.001196	5.52E-05	0.007621	5.38E-07	0.008873
366	489538.17	3859871.48	0.61779	0.68225	0.53251	0.88158	1.13E-03	5.8E-05	0.00283	9.4E-07	0.00401	1.38E-03	7.11E-05	0.003459	5.26E-07	4.91E-03	0.001217	5.47E-05	0.007449	5.44E-07	0.008721
367	489588.17	3859871.48	0.63149	0.68927	0.54732	0.89851	1.15E-03	5.9E-05	0.00291	9.6E-07	0.00412	1.41E-03	7.19E-05	0.003555	5.36E-07	5.04E-03	0.001244	5.53E-05	0.007656	5.54E-07	0.008956
368	489238.17	3859921.48	0.53704	0.65533	0.50508	0.82283	9.79E-04	5.6E-05	0.00268	8.8E-07	0.00372	1.20E-03	6.83E-05	0.003281	4.91E-07	4.55E-03	0.001058	5.26E-05	0.007066	5.07E-07	0.008176
369	489288.17	3859921.48	0.54035	0.65835	0.49709	0.85126	9.85E-04	5.6E-05	0.00264	9.1E-07	0.00368	1.21E-03	6.87E-05	0.003229	5.08E-07	4.50E-03	0.001064	5.28E-05	0.006954	5.25E-07	0.008071
370	489338.17	3859921.48	0.54874	0.64097	0.49451	0.83879	1.00E-03	5.5E-05	0.00263	8.9E-07	0.00368	1.23E-03	6.68E-05	0.003212	5.01E-07	4.51E-03	0.001081	5.14E-05	0.006918	5.17E-07	0.00805
371	489388.17	3859921.48	0.55982	0.64739	0.49963	0.83224	1.02E-03	5.5E-05	0.00265	8.9E-07	0.00373	1.25E-03	6.75E-05	0.003245	4.97E-07	4.56E-03	0.001103	5.19E-05	0.006989	5.13E-07	0.008144
372	489438.17	3859921.48	0.58385	0.67412	0.52483	0.83324	1.06E-03	5.7E-05	0.00279	8.9E-07	0.00391	1.30E-03	7.03E-05	0.003409	4.97E-07	4.78E-03	0.00115	5.41E-05	0.007342	5.14E-07	0.008546
373	489488.17	3859921.48	0.58214	0.69365	0.53189	0.86734	1.06E-03	5.9E-05	0.00283	9.3E-07	0.00395	1.30E-03	7.23E-05	0.003455	5.18E-07	4.83E-03	0.001147	5.56E-05	0.007441	5.35E-07	0.008643
374	489538.17	3859921.48	0.59379	0.67074	0.53526	0.84678	1.08E-03	5.7E-05	0.00284	9E-07	0.00398	1.33E-03	6.99E-05	0.003477	5.05E-07	4.87E-03	0.001169	5.38E-05	0.007488	5.22E-07	0.008712
375	489588.17	3859921.48	0.60785	0.67351	0.52594	0.86159	1.11E-03	5.7E-05	0.00279	9.2E-07	0.00396	1.36E-03	7.02E-05	0.003416	5.14E-07	4.84E-03	0.001197	5.4E-05	0.007357	5.31E-07	0.008609
376	489238.17	3859971.48	0.5336	0.65221	0.48993	0.81676	9.73E-04	5.5E-05	0.0026	8.7E-07	0.00363	1.19E-03	6.8E-05	0.003182	4.87E-07	4.44E-03	0.001051	5.23E-05	0.006854	5.04E-07	0.007957
377	489288.17	3859971.48	0.5305	0.64713	0.49644	0.80689	9.67E-04	5.5E-05	0.00264	8.6E-07	0.00366	1.18E-03	6.75E-05	0.003225	4.82E-07	4.48E-03	0.001045	5.19E-05	0.006945	4.98E-07	0.008042
378	489338.17	3859971.48	0.52962	0.64119	0.48984	0.83571	9.65E-04	5.5E-05	0.0026	8.9E-07	0.00362	1.18E-03	6.69E-05	0.003182	4.99E-07	4.43E-03	0.001043	5.14E-05	0.006852	5.15E-07	0.007947
379	489388.17	3859971.48	0.53916	0.63489	0.48802	0.81957	9.83E-04	5.4E-05	0.00259	8.7E-07	0.00363	1.20E-03	6.62E-05	0.00317	4.89E-07	4.44E-03	0.001062	5.09E-05	0.006827	5.05E-07	0.00794
380	489438.17	3859971.48	0.55558	0.64216	0.49747	0.80931	1.01E-03	5.5E-05	0.00264	8.6E-07	0.00371	1.24E-03	6.7E-05	0.003231	4.83E-07	4.54E-03	0.001094	5.15E-05	0.006959	4.99E-07	0.008105
381	489488.17	3859971.48	0.57572	0.67716	0.52335	0.8453	1.05E-03	5.8E-05	0.00278	9E-07	0.00389	1.29E-03	7.06E-05	0.003399	5.05E-07	4.76E-03	0.001134	5.43E-05	0.007321	5.21E-07	0.00851
382	489538.17	3859971.48	0.57916	0.69359	0.53043	0.86448	1.06E-03	5.9E-05	0.00282	9.2E-07	0.00393	1.29E-03	7.23E-05	0.003445	5.16E-07	4.81E-03	0.001141	5.56E-05	0.00742	5.33E-07	0.008617
383	489588.17	3859971.48	0.59144	0.67292	0.53523	0.85195	1.08E-03	5.7E-05	0.00284	9.1E-07	0.00398	1.32E-03	7.02E-05	0.003476	5.08E-07	4.87E-03	0.001165	5.4E-05	0.007487	5.25E-07	0.008707
384	483577.7	3854071	1.57794	2.08888	1.29166	0.84253	2.88E-03	0.00018	0.00686	9E-07	0.00992	3.52E-03	0.000218	0.00839	5.03E-07	1.21E-02	0.003108	0.000168	0.018069	5.19E-07	0.021345
385	483627.7	3854071	1.57416	1.99763	1.38733	0.89302	2.87E-03	0.00017	0.00737	9.5E-07	0.01041	3.52E-03	0.000208	0.009011	5.33E-07	1.27E-02	0.0031	0.00016	0.019407	5.51E-07	0.022668
386	483677.7	3854071	1.57869	1.91863	1.38113	0.88702	2.88E-03	0.00016	0.00734	9.5E-07	0.01038	3.53E-03	0.0002	0.008971	5.29E-07	1.27E-02	0.003109	0.000154	0.019321	5.47E-07	0.022584
387	483727.7	3854071	1.56038	1.82942	1.41879	0.85793	2.84E-03	0.00016	0.00754	9.2E-07	0.01054	3.49E-03	0.000191	0.009215	5.12E-07	1.29E-02	0.003073	0.000147	0.019847	5.29E-07	0.023068
388	483777.7	3854071	1.54457	1.74241	1.46437	0.83943	2.82E-03	0.00015	0.00778	9E-07	0.01075	3.45E-03	0.000182	0.009512	5.01E-07	1.31E-02	0.003042	0.00014	0.020485	5.18E-07	0.023667
389	483577.7	3854121	1.65679	2.17082	1.29124	0.82752	3.02E-03	0.00018	0.00686	8.8E-07	0.01007	3.70E-03	0.000226	0.008387	4.94E-07	1.23E-02	0.003263	0.000174	0.018063	5.1E-07	0.021501
390	483627.7	3854121	1.63948	2.25307	1.36454	0.84044	2.99E-03	0.00019	0.00725	9E-07	0.01043	3.66E-03	0.000235	0.008863	5.02E-07	1.28E-02	0.003229	0.000181	0.019089	5.18E-07	0.022499
391	483677.7	3854121	1.6421	2.12787	1.47781	0.86262	2.99E-03	0.00018	0.00785	9.2E-07	0.01103	3.67E-03	0.000222	0.009599	5.15E-07	1.35E-02	0.003234	0.000171	0.020673	5.32E-07	0.024078
392	483727.7	3854121	1.64498	2.05812	1.4576	0.82288	3.00E-03	0.00018	0.00774	8.8E-07	0.01092	3.67E-03	0.000215	0.009468	4.91E-07	1.34E-02	0.00324	0.000165	0.02039	5.07E-07	0.023796
393	483777.7	3854121	1.61756	1.90375	1.50077	0.82069	2.95E-03	0.00016	0.00797	8.8E-07	0.01109	3.61E-03	0.000199	0.009748	4.9E-07	1.36E-02	0.003186	0.000153	0.020994	5.06E-07	0.024333
394	483577.7	3854171	1.74237	2.40965	1.30796	0.75932	3.18E-03	0.00021	0.00695	8.1E-07	0.01033	3.89E-03	0.000251	0.008496	4.53E-07	1.26E-02	0.003432	0.000193	0.018297	4.68E-07	0.021922
395	483627.7	3854171	1.70747	2.48127	1.38761	0.79338	3.11E-03	0.00021	0.00737	8.5E-07	0.0107	3.81E-03	0.000259	0.009013	4.74E-07	1.31E-02	0.003363	0.000199	0.019411	4.89E-07	0.022974
396	483677.7	3854171	1.71974	2.47486	1.4547	0.80775	3.13E-03	0.00021	0.00773	8.6E-07	0.01108	3.84E-03	0.000258	0.009449	4.82E-07	1.35E-02	0.003387	0.000199	0.02035	4.98E-07	0.023936
397	483727.7	3854171	1.72765	2.27488	1.57363	0.81001	3.15E-03	0.00019	0.00836	8.6E-07	0.0117	3.86E-03	0.000237	0.010221	4.83E-07	1.43E-02	0.003403	0.000182	0.022014	4.99E-07	0.025599
398	483777.7	3854171	1.71377	2.16382	1.53798	0.76395	3.12E-03	0.00018	0.00817	8.1E-07	0.01148	3.83E-03	0.000226	0.00999	4.56E-07	1.40E-02	0.003375	0.000174	0.021515	4.71E-07	0.025064
399	483827.7	3854171	1.66977	1.95552	1.57658	0.74913	3.04E-03	0.00017	0.00838	8E-07	0.01159	3.73E-03	0.000204	0.01024	4.47E-07	1.42E-02	0.003289	0.000157	0.022055	4.62E-07	0.025501
400	483877.7	3854171	1.62909	1.9062	1.6252	0.74129	2.97E-03	0.00016	0.00863	7.9E-07	0.01177	3.64E-03	0.000199	0.010556	4.42E-07	1.44E-02	0.003208	0.000153	0.022735	4.57E-07	0.026097
401	483727.7	3854221	1.82667	2.60227	1.54284	0.79005	3.33E-03	0.00022	0.0082	8.4E-07	0.01175	4.08E-03	0.000271	0.010021	4.72E-07	1.44E-02	0.003598	0.000209	0.021583	4.87E-07	0.02539
402	483777.7	3854221	1.82671	2.39406	1.67081	0.7753	3.33E-03	0.0002	0.00888	8.3E-07	0.01241	4.08E-03	0.00025	0.010852	4.63E-07	1.52E-02	0.003598	0.000192	0.023373	4.78E-07	0.027163
403	483827.7	3854221	1.8065	2.20921	1.61542	0.74933	3.29E-03	0.00019	0.00858	8E-07	0.01206	4.04E-03	0.00023	0.010493	4.47E-07	1.48E-02	0.003558	0.000177	0.022598	4.62E-07	0.026334
404	483877.7	3854221	1.75963	2.00801	1.65028	0.73283	3.21E-03	0.00017	0.00877	7.8E-07	0.01215	3.93E-03	0.000209	0.010719	4.37E-07	1.49E-02	0.003466	0.000161	0.023086	4.52E-07	0.026713
405	489150.19	3858726.45	1.56534	1.21153	0.83254	1.62138	2.85E-03	0.0001	0.00442	1.7E-06	0.00738	3.50E-03	0.000126	0.005408	9.68E-07	9.03E-03	0.003083	9.72E-05	0.011646	1E-06	0.014827
406	489200.19	3858726.45	1.47693	1.23193	0.81705	1.62579	2.69E-03	0.0001	0.00434	1.7E-06	0.00714	3.30E-03	0.000128	0.005307	9.7E-07	8.74E-03	0.002909	9.88E-05	0.01143	1E-06	0.014438
407	489150.19	3858776.45	1.59117	1.18046	0.82607	1.5472	2.90E-03	0.0001	0.00439	1.7E-06	0.00739	3.55E-03	0.000123	0.005366	9.23E-07	9.04E-03	0.003134	9.47E-05	0.011556	9.54E-07	0.014785
408	489200.19	3858776.45	1.49025	1.16664	0.81878	1.53587	2.72E-03	9.9E-05	0.00435	1.6E-06	0.00717	3.33E-03	0.000122	0.005318	9.17E-07	8.77E-03	0.002935	9.36E-05	0.011454	9.47E-07	0.014483
409	488919.6	3856400.76	1.47044	1.73615	1.9487	1.3779	2.68E-03	0.00015	0.01035	1.5E-06	0.01318	3.28E-03	0.000181	0.012657	8.22E-07	1.61E-02	0.002896	0.000139	0.02726	8.5E-07	0.030296
410	488919.6	3856450.76	1.48724	1.80376	1.97618	1.43125	2.71E-03	0.00015	0.0105	1.5E-06	0.01337	3.32E-03	0.000188	0.012836	8.54E-07	1.63E-02	0.002929	0.000145	0.027645	8.82E-07	0.030719
411	488969.6	3856450.76	1.46291	1.78177	1.94657	1.41205	2.67E-03	0.00015	0.01034	1.5E-06	0.01316	3.27E-03	0.000186	0.012644	8.43E-07	1.61E-02	0.002881	0.000143	0.027231	8.71E-07	0.030256
412	488919.6	3856500.76	1.50393	1.9139	1.98776	1.48414	2.74E-03	0.00016	0.01056	1.6E-06	0.01347	3.36E-03	0.0002	0.012911	8.86E-07	1.65E-02	0.002962	0.000154	0.027807	9.15E-07	0.030923
413	488969.6	3856500.76	1.47952	1.86667	1.95342	1.47048	2.70E-03	0.00016	0.01038	1.6E-06	0.01324	3.30E-03	0.000195	0.012688	8.78E-07	1.62E-02	0.002914	0.00015	0.027326	9.07E-07	0.030391
414	488919.6	3856550.76	1.52215	1.97148	1.99757	1.53953	2.77E-03	0.00017	0.01061	1.6E-06	0.01356	3.40E-03	0.000206	0.012975	9.19E-07	1.66E-02	0.002998	0.000158	0.027944	9.49E-07	0.031101
415	488969.6	3856550.76	1.49672	1.94579	1.95463	1.52045	2.73E-03	0.00017	0.01039	1.6E-06	0.01328	3.34E-03	0.000203	0.012696	9.07E-07	1.62E-02	0.002948	0.000156	0.027343	9.37E-07	0.030448
416	488819.6	3856600.76	1.60164	2.13211	2.08997	1.61787	2.92E-03	0.00018	0.0111	1.7E-06	0.01421	3.58E-03	0.000222	0.013575	9.66E-07	1.74E-02	0.003154	0.000171	0.029237	9.98E-07	0.032563
417	488869.6	3856600.76	1.57115	2.10053	2.04899	1.59796	2.86E-03	0.00018	0.01089	1.7E-06	0.01393	3.51E-03	0.000219	0.013309	9.54E-07	1.70E-02	0.003094	0.000168	0.028663	9.85E-07	0.031927
418	488919.6	3856600.76	1.53814	2.06486	2.00825	1.58277	2.80E-03	0.00018	0.01067	1.7E-06	0.01365	3.44E-03	0.000215	0.013044	9.45E-07	1.67E-02	0.003029	0.000166	0.028093	9.76E-07	0.031289
419	488819.6	3856650.76	1.61799	2.23281	2.10874	1.67954	2.95E-03	0.00019	0.0112	1.8E-06	0.01435	3.61E-03	0.000233	0.013697	1E-06	1.75E-02	0.003187	0.000179	0.029499	1.04E-06	0.032866
420	488869.6	3856650.76	1.58631	2.21216	2.06354	1.65096	2.89E-03	0.00019	0.01096	1.8E-06	0.01405	3.54E-03	0.000231	0.013403	9.85E-07	1.72E-02	0.003124	0.000177	0.028867	1.02E-06	0.03217
421	488819.6	3856700.76	1.63296	2.40382	2.14957	1.76543	2.98E-03	0.0002	0.01142	1.9E-06	0.0146	3.65E-03	0.000251	0.013962	1.05E-06	1.79E-02	0.003216	0.000193	0.03007	1.09E-06	0.03348
422	488869.6	3856700.76	1.60442	2.4177	2.09792	1.73337	2.92E-03	0.00021	0.01115	1.8E-06	0.01428	3.58E-03	0.000252	0.013627	1.03E-06	1.75E-02	0.00316	0.000194	0.029348	1.07E-06	0.032703
423	488819.6	3856750.76	1.6446	2.61798	2.15336	1.83275	3.00E-03	0.00022	0.01144	2E-06	0.01466	3.67E-03	0.000273	0.013987	1.09E-06	1.79E-02	0.003239	0.00021	0.030123	1.13E-06	0.033573

424	488869.6	3856750.76	1.6128	2.58228	2.10286	1.80756	2.94E-03	0.00022	0.01117	1.9E-06	0.01433	3.60E-03	0.000269	0.013659	1.08E-06	1.75E-02	0.003176	0.000207	0.029417	1.11E-06	0.032802
425	488819.6	3857050.76	1.67779	3.79319	2.06389	2.27126	3.06E-03	0.00032	0.01097	2.4E-06	0.01435	3.75E-03	0.000396	0.013406	1.36E-06	1.76E-02	0.003304	0.000304	0.028872	1.4E-06	0.032482
426	488869.6	3857050.76	1.64479	3.70333	2.01884	2.21783	3.00E-03	0.00032	0.01073	2.4E-06	0.01404	3.67E-03	0.000386	0.013113	1.32E-06	1.72E-02	0.003239	0.000297	0.028242	1.37E-06	0.031779
427	488919.6	3857050.76	1.61139	3.61717	1.9773	2.18054	2.94E-03	0.00031	0.01051	2.3E-06	0.01375	3.60E-03	0.000377	0.012843	1.3E-06	1.68E-02	0.003174	0.00029	0.02766	1.34E-06	0.031126
428	488819.6	3857100.76	1.67834	4.02394	2.03684	2.33937	3.06E-03	0.00034	0.01082	2.5E-06	0.01423	3.75E-03	0.00042	0.01323	1.4E-06	1.74E-02	0.003305	0.000323	0.028493	1.44E-06	0.032123
429	488869.6	3857100.76	1.64683	3.91543	1.99408	2.28914	3.00E-03	0.00033	0.01059	2.4E-06	0.01393	3.68E-03	0.000408	0.012952	1.37E-06	1.70E-02	0.003243	0.000314	0.027895	1.41E-06	0.031454
430	488919.6	3857100.76	1.61405	3.78634	1.94956	2.25532	2.94E-03	0.00032	0.01036	2.4E-06	0.01363	3.61E-03	0.000395	0.012663	1.35E-06	1.67E-02	0.003179	0.000304	0.027272	1.39E-06	0.030756
431	488819.6	3857150.76	1.67961	4.11086	2.04329	2.41988	3.06E-03	0.00035	0.01086	2.6E-06	0.01427	3.75E-03	0.000429	0.013272	1.44E-06	1.75E-02	0.003308	0.00033	0.028584	1.49E-06	0.032223
432	488869.6	3857150.76	1.646	3.98592	1.98939	2.37821	3.00E-03	0.00034	0.01057	2.5E-06	0.01391	3.68E-03	0.000416	0.012922	1.42E-06	1.70E-02	0.003242	0.00032	0.02783	1.47E-06	0.031393
433	488919.6	3857150.76	1.61795	3.84365	1.93879	2.33183	2.95E-03	0.00033	0.0103	2.5E-06	0.01358	3.61E-03	0.000401	0.012593	1.39E-06	1.66E-02	0.003186	0.000308	0.027122	1.44E-06	0.030618
434	488969.6	3857150.76	1.59017	3.70615	1.88701	2.28601	2.90E-03	0.00032	0.01003	2.4E-06	0.01324	3.55E-03	0.000386	0.012257	1.36E-06	1.62E-02	0.003132	0.000297	0.026397	1.41E-06	0.029828
435	488819.6	3857200.76	1.68664	4.16902	2.02609	2.50086	3.07E-03	0.00035	0.01076	2.7E-06	0.0142	3.77E-03	0.000435	0.01316	1.49E-06	1.74E-02	0.003322	0.000334	0.028343	1.54E-06	0.032001
436	488869.6	3857200.76	1.65516	4.04248	1.98176	2.46002	3.02E-03	0.00034	0.01053	2.6E-06	0.01389	3.70E-03	0.000422	0.012872	1.47E-06	1.70E-02	0.00326	0.000324	0.027723	1.52E-06	0.031308
437	488919.6	3857200.76	1.62341	3.89933	1.93239	2.41359	2.96E-03	0.00033	0.01027	2.6E-06	0.01356	3.63E-03	0.000407	0.012551	1.44E-06	1.66E-02	0.003197	0.000313	0.027032	1.49E-06	0.030544
438	488969.6	3857200.76	1.59419	3.75435	1.88164	2.35722	2.91E-03	0.00032	0.01	2.5E-06	0.01323	3.56E-03	0.000391	0.012222	1.41E-06	1.62E-02	0.00314	0.000301	0.026322	1.45E-06	0.029765
439	488819.6	3857250.76	1.69382	4.22777	1.96624	2.59608	3.09E-03	0.00036	0.01045	2.8E-06	0.0139	3.78E-03	0.000441	0.012771	1.55E-06	1.70E-02	0.003336	0.000339	0.027506	1.6E-06	0.031182
440	488869.6	3857250.76	1.66389	4.06564	1.91514	2.54239	3.03E-03	0.00035	0.01018	2.7E-06	0.01356	3.72E-03	0.000424	0.012439	1.52E-06	1.66E-02	0.003277	0.000326	0.026791	1.57E-06	0.030396
441	488919.6	3857250.76	1.63191	3.92374	1.86084	2.48182	2.97E-03	0.00033	0.00989	2.6E-06	0.0132	3.65E-03	0.000409	0.012087	1.48E-06	1.61E-02	0.003214	0.000315	0.026031	1.53E-06	0.029562
442	488969.6	3857250.76	1.59525	3.79349	1.81278	2.41931	2.91E-03	0.00032	0.00963	2.6E-06	0.01286	3.56E-03	0.000396	0.011775	1.44E-06	1.57E-02	0.003142	0.000304	0.025359	1.49E-06	0.028807
443	488819.6	3857300.76	1.69821	4.21548	1.93437	2.67995	3.10E-03	0.00036	0.01028	2.9E-06	0.01373	3.79E-03	0.00044	0.012564	1.6E-06	1.68E-02	0.003345	0.000338	0.02706	1.65E-06	0.030744
444	488869.6	3857300.76	1.66272	4.04919	1.88008	2.62015	3.03E-03	0.00034	0.00999	2.8E-06	0.01337	3.71E-03	0.000422	0.012212	1.56E-06	1.63E-02	0.003275	0.000325	0.0263	1.62E-06	0.029902
445	488919.6	3857300.76	1.63138	3.89179	1.82754	2.55726	2.97E-03	0.00033	0.00971	2.7E-06	0.01302	3.64E-03	0.000406	0.01187	1.53E-06	1.59E-02	0.003213	0.000312	0.025565	1.58E-06	0.029092
446	488819.6	3857450.76	1.71745	3.86623	1.85671	2.90693	3.13E-03	0.00033	0.00987	3.1E-06	0.01333	3.84E-03	0.000403	0.01206	1.73E-06	1.63E-02	0.003382	0.00031	0.025974	1.79E-06	0.029668
447	488869.6	3857450.76	1.6702	3.69057	1.81979	2.83817	3.04E-03	0.00031	0.00967	3E-06	0.01303	3.73E-03	0.000385	0.01182	1.69E-06	1.59E-02	0.003289	0.000296	0.025457	1.75E-06	0.029044
448	488919.6	3857450.76	1.6308	3.53066	1.77274	2.78412	2.97E-03	0.0003	0.00942	3E-06	0.01269	3.64E-03	0.000368	0.011514	1.66E-06	1.55E-02	0.003212	0.000283	0.024799	1.72E-06	0.028296
449	488819.6	3857500.76	1.72292	3.78194	1.75583	3.00864	3.14E-03	0.00032	0.00933	3.2E-06	0.01279	3.85E-03	0.000394	0.011405	1.8E-06	1.56E-02	0.003393	0.000303	0.024562	1.86E-06	0.028261
450	488869.6	3857500.76	1.6801	3.62186	1.72409	2.94469	3.06E-03	0.00031	0.00916	3.1E-06	0.01253	3.75E-03	0.000378	0.011198	1.76E-06	1.53E-02	0.003309	0.000291	0.024118	1.82E-06	0.02772
451	488919.6	3857500.76	1.63378	3.48321	1.69334	2.87927	2.98E-03	0.0003	0.009	3.1E-06	0.01227	3.65E-03	0.000363	0.010999	1.72E-06	1.50E-02	0.003218	0.000279	0.023688	1.78E-06	0.027187
452	488819.6	3857550.76	1.72597	3.59439	1.66622	3.1257	3.15E-03	0.00031	0.00885	3.3E-06	0.01231	3.86E-03	0.000375	0.010823	1.87E-06	1.51E-02	0.003399	0.000288	0.023309	1.93E-06	0.026998
453	488869.6	3857550.76	1.67932	3.48088	1.63112	3.04277	3.06E-03	0.0003	0.00867	3.2E-06	0.01203	3.75E-03	0.000363	0.010595	1.82E-06	1.47E-02	0.003307	0.000279	0.022818	1.88E-06	0.026406
454	488919.6	3857550.76	1.63565	3.36466	1.59483	2.96818	2.98E-03	0.00029	0.00847	3.2E-06	0.01174	3.65E-03	0.000351	0.010359	1.77E-06	1.44E-02	0.003221	0.00027	0.02231	1.83E-06	0.025803
455	489663.71	3860900.05	0.35237	0.42096	0.3521	0.55977	6.42E-04	3.6E-05	0.00187	6E-07	0.00255	7.87E-04	4.39E-05	0.002287	3.34E-07	3.12E-03	0.000694	3.38E-05	0.004926	3.45E-07	0.005654
456	489813.71	3860900.05	0.34642	0.43851	0.36381	0.55455	6.31E-04	3.7E-05	0.00193	5.9E-07	0.0026	7.74E-04	4.57E-05	0.002363	3.31E-07	3.18E-03	0.000682	3.52E-05	0.005089	3.42E-07	0.005807
457	489863.71	3860900.05	0.3503	0.43824	0.36419	0.56623	6.39E-04	3.7E-05	0.00194	6E-07	0.00261	7.82E-04	4.57E-05	0.002366	3.38E-07	3.19E-03	0.00069	3.52E-05	0.005095	3.49E-07	0.00582
458	489913.71	3860900.05	0.35398	0.43302	0.34688	0.56614	6.45E-04	3.7E-05	0.00184	6E-07	0.00253	7.91E-04	4.52E-05	0.002253	3.38E-07	3.09E-03	0.000697	3.47E-05	0.004853	3.49E-07	0.005585
459	489963.71	3860900.05	0.36104	0.42243	0.34836	0.54893	6.58E-04	3.6E-05	0.00185	5.9E-07	0.00255	8.06E-04	4.4E-05	0.002263	3.28E-07	3.11E-03	0.000711	3.39E-05	0.004873	3.38E-07	0.005618
460	490013.71	3860900.05	0.35548	0.42808	0.34481	0.55357	6.48E-04	3.6E-05	0.00183	5.9E-07	0.00252	7.94E-04	4.46E-05	0.00224	3.3E-07	3.08E-03	0.0007	3.43E-05	0.004824	3.41E-07	0.005558
461	490063.71	3860900.05	0.354	0.42398	0.34197	0.55898	6.45E-04	3.6E-05	0.00182	6E-07	0.0025	7.91E-04	4.42E-05	0.002221	3.34E-07	3.06E-03	0.000697	3.4E-05	0.004784	3.45E-07	0.005515
462	489663.71	3860950.05	0.34408	0.419	0.35532	0.55093	6.27E-04	3.6E-05	0.00189	5.9E-07	0.00255	7.69E-04	4.37E-05	0.002308	3.29E-07	3.12E-03	0.000678	3.36E-05	0.004971	3.4E-07	0.005682
463	489813.71	3860950.05	0.34329	0.42849	0.35738	0.54317	6.26E-04	3.6E-05	0.0019	5.8E-07	0.00256	7.67E-04	4.47E-05	0.002321	3.24E-07	3.13E-03	0.000676	3.44E-05	0.004999	3.35E-07	0.00571
464	489863.71	3860950.05	0.33892	0.42623	0.3577	0.54723	6.18E-04	3.6E-05	0.0019	5.8E-07	0.00256	7.57E-04	4.44E-05	0.002323	3.27E-07	3.13E-03	0.000667	3.42E-05	0.005004	3.37E-07	0.005706
465	489913.71	3860950.05	0.34443	0.43279	0.35675	0.55985	6.28E-04	3.7E-05	0.0019	6E-07	0.00256	7.69E-04	4.51E-05	0.002317	3.34E-07	3.13E-03	0.000678	3.47E-05	0.004991	3.45E-07	0.005704
466	489963.71	3860950.05	0.34763	0.42223	0.33955	0.55139	6.34E-04	3.6E-05	0.0018	5.9E-07	0.00247	7.77E-04	4.4E-05	0.002205	3.29E-07	3.03E-03	0.000685	3.39E-05	0.00475	3.4E-07	0.005469
467	490013.71	3860950.05	0.35388	0.41563	0.34397	0.54097	6.45E-04	3.5E-05	0.00183	5.8E-07	0.00251	7.90E-04	4.33E-05	0.002234	3.23E-07	3.07E-03	0.000697	3.33E-05	0.004812	3.34E-07	0.005542
468	490063.71	3860950.05	0.34874	0.42058	0.33767	0.54766	6.36E-04	3.6E-05	0.00179	5.8E-07	0.00247	7.79E-04	4.39E-05	0.002193	3.27E-07	3.02E-03	0.000687	3.37E-05	0.004724	3.38E-07	0.005445
469	489513.71	3861000.05	0.32366	0.43159	0.34253	0.54617	5.90E-04	3.7E-05	0.00182	5.8E-07	0.00245	7.23E-04	4.5E-05	0.002225	3.26E-07	2.99E-03	0.000637	3.46E-05	0.004792	3.37E-07	0.005464
470	489563.71	3861000.05	0.32056	0.43772	0.34564	0.53738	5.84E-04	3.7E-05	0.00184	5.7E-07	0.00246	7.16E-04	4.56E-05	0.002245	3.21E-07	3.01E-03	0.000631	3.51E-05	0.004835	3.31E-07	0.005502
471	489613.71	3861000.05	0.32813	0.44301	0.34835	0.5442	5.98E-04	3.8E-05	0.00185	5.8E-07	0.00249	7.33E-04	4.62E-05	0.002263	3.25E-07	3.04E-03	0.000646	3.55E-05	0.004873	3.36E-07	0.005555
472	489663.71	3861000.05	0.33399	0.4227	0.35366	0.54476	6.09E-04	3.6E-05	0.00188	5.8E-07	0.00252	7.46E-04	4.41E-05	0.002297	3.25E-07	3.09E-03	0.000658	3.39E-05	0.004947	3.36E-07	0.005639
473	489713.71	3861000.05	0.34046	0.41127	0.34818	0.542	6.21E-04	3.5E-05	0.00185	5.8E-07	0.00251	7.60E-04	4.29E-05	0.002262	3.23E-07	3.07E-03	0.000671	3.3E-05	0.004871	3.34E-07	0.005575
474	489763.71	3861000.05	0.34106	0.40738	0.34527	0.54061	6.22E-04	3.5E-05	0.00183	5.8E-07	0.00249	7.62E-04	4.25E-05	0.002243	3.23E-07	3.05E-03	0.000672	3.27E-05	0.00483	3.33E-07	0.005535
475	489813.71	3861000.05	0.34415	0.41086	0.35262	0.53965	6.27E-04	3.5E-05	0.00187	5.8E-07	0.00254	7.69E-04	4.28E-05	0.00229	3.22E-07	3.10E-03	0.000678	3.3E-05	0.004933	3.33E-07	0.005644
476	489863.71	3861000.05	0.3363	0.42444	0.35319	0.53202	6.13E-04	3.6E-05	0.00188	5.7E-07	0.00253	7.51E-04	4.43E-05	0.002294	3.18E-07	3.09E-03	0.000662	3.4E-05	0.004941	3.28E-07	0.005637
477	489913.71	3861000.05	0.33312	0.41926	0.35384	0.53646	6.07E-04	3.6E-05	0.00188	5.7E-07	0.00252	7.44E-04	4.37E-05	0.002298	3.2E-07	3.09E-03	0.000656	3.36E-05	0.00495	3.31E-07	0.00564
478	489963.71	3861000.05	0.33808	0.42514	0.34725	0.54766	6.16E-04	3.6E-05	0.00185	5.8E-07	0.0025	7.55E-04	4.43E-05	0.002255	3.27E-07	3.06E-03	0.000666	3.41E-05	0.004858	3.38E-07	0.005558
479	490013.71	3861000.05	0.34394	0.41212	0.33495	0.53742	6.27E-04	3.5E-05	0.00178	5.7E-07	0.00244	7.68E-04	4.3E-05	0.002176	3.21E-07	2.99E-03	0.000677	3.31E-05	0.004686	3.31E-07	0.005396
480	490063.71	3861000.05	0.34658	0.40997	0.33918	0.5333	6.32E-04	3.5E-05	0.0018	5.7E-07	0.00247	7.74E-04	4.28E-05	0.002203	3.18E-07	3.02E-03	0.000683	3.29E-05	0.004745	3.29E-07	0.005461
481	489513.71	3861050.05	0.32012	0.41114	0.33994	0.53546	5.84E-04	3.5E-05	0.00181	5.7E-07	0.00243	7.15E-04	4.29E-05	0.002208	3.2E-07	2.97E-03	0.00063	3.3E-05	0.004755	3.3E-07	0.005419
482	489563.71	3861050.05	0.31847	0.42672	0.3416	0.53515	5.81E-04	3.6E-05	0.00181	5.7E-07	0.00243	7.11E-04	4.45E-05	0.002219	3.19E-07	2.97E-03	0.000627	3.42E-05	0.004779	3.3E-07	0.00544
483	489613.71	3861050.05	0.31888	0.43805	0.34041	0.5289	5.81E-04	3.7E-05	0.00181	5.6E-07	0.00243	7.12E-04	4.57E-05	0.002211	3.16E-07	2.97E-03	0.000628	3.51E-05	0.004762	3.26E-07	0.005425
484	489663.71	3861050.05	0.32481	0.43289	0.34559	0.5366	5.92E-04	3.7E-05	0.00184	5.7E-07	0.00247	7.26E-04	4.51E-05	0.002245	3.2E-07	3.02E-03	0.00064	3.47E-05	0.004834	3.31E-07	0.005509

485	489713.71	3861050.05	0.33061	0.4086	0.3471	0.53373	6.03E-04	3.5E-05	0.00184	5.7E-07	0.00248	7.38E-04	4.26E-05	0.002255	3.19E-07	3.04E-03	0.000651	3.28E-05	0.004856	3.29E-07	0.00554
486	489763.71	3861050.05	0.33652	0.40041	0.34015	0.53103	6.13E-04	3.4E-05	0.00181	5.7E-07	0.00246	7.52E-04	4.18E-05	0.002209	3.17E-07	3.00E-03	0.000663	3.21E-05	0.004758	3.27E-07	0.005454
487	489813.71	3861050.05	0.33681	0.40304	0.3434	0.53264	6.14E-04	3.4E-05	0.00182	5.7E-07	0.00247	7.52E-04	4.2E-05	0.00223	3.18E-07	3.03E-03	0.000663	3.23E-05	0.004804	3.28E-07	0.0055
488	489863.71	3861050.05	0.33707	0.40655	0.34697	0.52669	6.14E-04	3.5E-05	0.00184	5.6E-07	0.00249	7.53E-04	4.24E-05	0.002254	3.14E-07	3.05E-03	0.000664	3.26E-05	0.004854	3.25E-07	0.005551
489	489913.71	3861050.05	0.32992	0.4146	0.3491	0.52306	6.01E-04	3.5E-05	0.00185	5.6E-07	0.00249	7.37E-04	4.32E-05	0.002268	3.12E-07	3.05E-03	0.00065	3.33E-05	0.004884	3.23E-07	0.005567
490	489963.71	3861050.05	0.32771	0.41301	0.3494	0.52644	5.97E-04	3.5E-05	0.00186	5.6E-07	0.00249	7.32E-04	4.31E-05	0.002269	3.14E-07	3.04E-03	0.000645	3.31E-05	0.004888	3.25E-07	0.005567
491	490013.71	3861050.05	0.33303	0.41564	0.3387	0.53875	6.07E-04	3.5E-05	0.0018	5.7E-07	0.00244	7.44E-04	4.33E-05	0.0022	3.22E-07	2.99E-03	0.000656	3.33E-05	0.004738	3.32E-07	0.005428
492	490063.71	3861050.05	0.3407	0.3999	0.33025	0.52771	6.21E-04	3.4E-05	0.00175	5.6E-07	0.00241	7.61E-04	4.17E-05	0.002145	3.15E-07	2.95E-03	0.000671	3.21E-05	0.00462	3.25E-07	0.005323
493	489513.71	3861100.05	0.31754	0.39541	0.34175	0.52307	5.79E-04	3.4E-05	0.00182	5.6E-07	0.00243	7.09E-04	4.12E-05	0.00222	3.12E-07	2.97E-03	0.000625	3.17E-05	0.004781	3.23E-07	0.005438
494	489563.71	3861100.05	0.31527	0.41407	0.33238	0.53189	5.75E-04	3.5E-05	0.00177	5.7E-07	0.00238	7.04E-04	4.32E-05	0.002159	3.17E-07	2.91E-03	0.000621	3.32E-05	0.00465	3.28E-07	0.005304
495	489613.71	3861100.05	0.31142	0.41939	0.33645	0.52073	5.68E-04	3.6E-05	0.00179	5.6E-07	0.00239	6.96E-04	4.37E-05	0.002185	3.11E-07	2.93E-03	0.000613	3.36E-05	0.004707	3.21E-07	0.005354
496	489663.71	3861100.05	0.3153	0.43207	0.33469	0.51925	5.75E-04	3.7E-05	0.00178	5.5E-07	0.00239	7.04E-04	4.51E-05	0.002174	3.1E-07	2.92E-03	0.000621	3.47E-05	0.004682	3.2E-07	0.005338
497	489713.71	3861100.05	0.32084	0.41688	0.34259	0.52518	5.85E-04	3.5E-05	0.00182	5.6E-07	0.00244	7.17E-04	4.35E-05	0.002225	3.13E-07	2.99E-03	0.000632	3.34E-05	0.004792	3.24E-07	0.005458
498	489763.71	3861100.05	0.3272	0.39844	0.34039	0.52305	5.96E-04	3.4E-05	0.00181	5.6E-07	0.00244	7.31E-04	4.15E-05	0.002211	3.12E-07	2.98E-03	0.000644	3.2E-05	0.004762	3.22E-07	0.005438
499	489813.71	3861100.05	0.33162	0.39401	0.33337	0.5193	6.04E-04	3.4E-05	0.00177	5.5E-07	0.00241	7.41E-04	4.11E-05	0.002165	3.1E-07	2.95E-03	0.000653	3.16E-05	0.004664	3.2E-07	0.005349
500	489863.71	3861100.05	0.33435	0.39638	0.34054	0.52396	6.09E-04	3.4E-05	0.00181	5.6E-07	0.00245	7.47E-04	4.13E-05	0.002212	3.13E-07	3.00E-03	0.000658	3.18E-05	0.004764	3.23E-07	0.005454
501	489913.71	3861100.05	0.33029	0.40433	0.34183	0.51581	6.02E-04	3.4E-05	0.00182	5.5E-07	0.00245	7.38E-04	4.22E-05	0.00222	3.08E-07	3.00E-03	0.00065	3.24E-05	0.004782	3.18E-07	0.005465
502	489963.71	3861100.05	0.32273	0.40696	0.34484	0.51469	5.88E-04	3.5E-05	0.00183	5.5E-07	0.00246	7.21E-04	4.24E-05	0.00224	3.07E-07	3.00E-03	0.000636	3.26E-05	0.004824	3.17E-07	0.005493
503	490013.71	3861100.05	0.32231	0.40724	0.34364	0.52103	5.88E-04	3.5E-05	0.00183	5.6E-07	0.00245	7.20E-04	4.25E-05	0.002232	3.11E-07	2.99E-03	0.000635	3.27E-05	0.004807	3.21E-07	0.005475
504	490063.71	3861100.05	0.32677	0.40297	0.33047	0.5274	5.96E-04	3.4E-05	0.00176	5.6E-07	0.00239	7.30E-04	4.2E-05	0.002147	3.15E-07	2.92E-03	0.000644	3.23E-05	0.004623	3.25E-07	0.005299
505	489713.71	3861150.05	0.31272	0.42034	0.33174	0.51145	5.70E-04	3.6E-05	0.00176	5.5E-07	0.00237	6.99E-04	4.38E-05	0.002155	3.05E-07	2.90E-03	0.000616	3.37E-05	0.004641	3.15E-07	0.005291
506	489763.71	3861150.05	0.31889	0.40097	0.33901	0.51543	5.81E-04	3.4E-05	0.0018	5.5E-07	0.00242	7.12E-04	4.18E-05	0.002202	3.08E-07	2.96E-03	0.000628	3.22E-05	0.004742	3.18E-07	0.005403
507	489813.71	3861150.05	0.324	0.39118	0.33436	0.51653	5.91E-04	3.3E-05	0.00178	5.5E-07	0.0024	7.24E-04	4.08E-05	0.002172	3.08E-07	2.94E-03	0.000638	3.14E-05	0.004677	3.18E-07	0.005347
508	489863.71	3861150.05	0.32594	0.38789	0.32598	0.5163	5.94E-04	3.3E-05	0.00173	5.5E-07	0.00236	7.28E-04	4.04E-05	0.002117	3.08E-07	2.89E-03	0.000642	3.11E-05	0.00456	3.18E-07	0.005233
509	489913.71	3861150.05	0.33033	0.38953	0.33666	0.51345	6.02E-04	3.3E-05	0.00179	5.5E-07	0.00242	7.38E-04	4.06E-05	0.002187	3.06E-07	2.97E-03	0.000651	3.12E-05	0.00471	3.17E-07	0.005392
510	489963.71	3861150.05	0.32342	0.4001	0.33631	0.50536	5.90E-04	3.4E-05	0.00179	5.4E-07	0.00241	7.22E-04	4.17E-05	0.002184	3.02E-07	2.95E-03	0.000637	3.21E-05	0.004705	3.12E-07	0.005374
511	490013.71	3861150.05	0.31532	0.39789	0.3395	0.50481	5.75E-04	3.4E-05	0.0018	5.4E-07	0.00241	7.04E-04	4.15E-05	0.002205	3.01E-07	2.95E-03	0.000621	3.19E-05	0.004749	3.11E-07	0.005403
512	490063.71	3861150.05	0.31756	0.40147	0.33755	0.5173	5.79E-04	3.4E-05	0.00179	5.5E-07	0.00241	7.09E-04	4.19E-05	0.002192	3.09E-07	2.94E-03	0.000625	3.22E-05	0.004722	3.19E-07	0.00538
513	489613.71	3861200.05	0.30472	0.39315	0.3245	0.51286	5.55E-04	3.3E-05	0.00172	5.5E-07	0.00231	6.81E-04	4.1E-05	0.002108	3.06E-07	2.83E-03	0.0006	3.15E-05	0.004539	3.16E-07	0.005171
514	489663.71	3861200.05	0.30378	0.40193	0.32328	0.50051	5.54E-04	3.4E-05	0.00172	5.3E-07	0.00231	6.79E-04	4.19E-05	0.0021	2.99E-07	2.82E-03	0.000598	3.22E-05	0.004522	3.09E-07	0.005153
515	489713.71	3861200.05	0.30167	0.41796	0.32644	0.49675	5.50E-04	3.6E-05	0.00173	5.3E-07	0.00232	6.74E-04	4.36E-05	0.00212	2.96E-07	2.84E-03	0.000594	3.35E-05	0.004567	3.06E-07	0.005195
516	489763.71	3861200.05	0.30985	0.4106	0.32889	0.50485	5.65E-04	3.5E-05	0.00175	5.4E-07	0.00235	6.92E-04	4.28E-05	0.002136	3.01E-07	2.87E-03	0.00061	3.29E-05	0.004601	3.11E-07	0.005244
517	489813.71	3861200.05	0.31642	0.38878	0.33454	0.5057	5.77E-04	3.3E-05	0.00178	5.4E-07	0.00239	7.07E-04	4.05E-05	0.002173	3.02E-07	2.92E-03	0.000623	3.12E-05	0.00468	3.12E-07	0.005335
518	489863.71	3861200.05	0.31998	0.38171	0.32852	0.50426	5.83E-04	3.2E-05	0.00175	5.4E-07	0.00236	7.15E-04	3.98E-05	0.002134	3.01E-07	2.89E-03	0.00063	3.06E-05	0.004596	3.11E-07	0.005257
519	489913.71	3861200.05	0.32034	0.38346	0.32286	0.50939	5.84E-04	3.3E-05	0.00172	5.4E-07	0.00233	7.16E-04	4E-05	0.002097	3.04E-07	2.85E-03	0.000631	3.08E-05	0.004516	3.14E-07	0.005178
520	489963.71	3861200.05	0.32469	0.38591	0.33271	0.5032	5.92E-04	3.3E-05	0.00177	5.4E-07	0.00239	7.25E-04	4.02E-05	0.002161	3E-07	2.93E-03	0.000639	3.1E-05	0.004654	3.1E-07	0.005325
521	490013.71	3861200.05	0.31685	0.39455	0.33234	0.49866	5.78E-04	3.4E-05	0.00177	5.3E-07	0.00238	7.08E-04	4.11E-05	0.002159	2.98E-07	2.91E-03	0.000624	3.16E-05	0.004649	3.07E-07	0.005305
522	490063.71	3861200.05	0.31068	0.39097	0.33382	0.49621	5.66E-04	3.3E-05	0.00177	5.3E-07	0.00237	6.94E-04	4.08E-05	0.002168	2.96E-07	2.90E-03	0.000612	3.14E-05	0.00467	3.06E-07	0.005313
523	489513.71	3861250.05	0.30226	0.3598	0.32223	0.47594	5.51E-04	3.1E-05	0.00171	5.1E-07	0.00229	6.75E-04	3.75E-05	0.002093	2.84E-07	2.81E-03	0.000595	2.89E-05	0.004508	2.93E-07	0.005132
524	489563.71	3861250.05	0.30143	0.36449	0.31779	0.48994	5.49E-04	3.1E-05	0.00169	5.2E-07	0.00227	6.73E-04	3.8E-05	0.002064	2.92E-07	2.78E-03	0.000594	2.92E-05	0.004446	3.02E-07	0.005069
525	489613.71	3861250.05	0.29947	0.3764	0.32648	0.49916	5.46E-04	3.2E-05	0.00173	5.3E-07	0.00231	6.69E-04	3.92E-05	0.002121	2.98E-07	2.83E-03	0.00059	3.02E-05	0.004567	3.08E-07	0.005187
526	489663.71	3861250.05	0.30061	0.39298	0.3189	0.50163	5.48E-04	3.3E-05	0.00169	5.4E-07	0.00228	6.71E-04	4.1E-05	0.002071	2.99E-07	2.78E-03	0.000592	3.15E-05	0.004461	3.09E-07	0.005085
527	489713.71	3861250.05	0.2988	0.40193	0.32244	0.4924	5.45E-04	3.4E-05	0.00171	5.3E-07	0.00229	6.67E-04	4.19E-05	0.002094	2.94E-07	2.80E-03	0.000588	3.22E-05	0.004511	3.04E-07	0.005132
528	489763.71	3861250.05	0.30001	0.41093	0.32203	0.48941	5.47E-04	3.5E-05	0.00171	5.2E-07	0.00229	6.70E-04	4.29E-05	0.002092	2.92E-07	2.80E-03	0.000591	3.3E-05	0.004505	3.02E-07	0.005129
529	489813.71	3861250.05	0.30704	0.3961	0.32555	0.4971	5.60E-04	3.4E-05	0.00173	5.3E-07	0.00232	6.86E-04	4.13E-05	0.002115	2.97E-07	2.84E-03	0.000605	3.18E-05	0.004554	3.06E-07	0.005191
530	489863.71	3861250.05	0.31332	0.38014	0.32822	0.49707	5.71E-04	3.2E-05	0.00174	5.3E-07	0.00235	7.00E-04	3.96E-05	0.002132	2.97E-07	2.87E-03	0.000617	3.05E-05	0.004591	3.06E-07	0.005239
531	489913.71	3861250.05	0.31561	0.37611	0.32251	0.49425	5.75E-04	3.2E-05	0.00171	5.3E-07	0.00232	7.05E-04	3.92E-05	0.002095	2.95E-07	2.84E-03	0.000622	3.02E-05	0.004512	3.05E-07	0.005164
532	489963.71	3861250.05	0.31744	0.37772	0.32057	0.50128	5.79E-04	3.2E-05	0.0017	5.3E-07	0.00231	7.09E-04	3.94E-05	0.002082	2.99E-07	2.83E-03	0.000625	3.03E-05	0.004484	3.09E-07	0.00514
533	490013.71	3861250.05	0.31826	0.38032	0.3283	0.49366	5.80E-04	3.2E-05	0.00174	5.3E-07	0.00236	7.11E-04	3.97E-05	0.002132	2.95E-07	2.88E-03	0.000627	3.05E-05	0.004593	3.04E-07	0.00525
534	490063.71	3861250.05	0.31017	0.3878	0.32868	0.48813	5.65E-04	3.3E-05	0.00175	5.2E-07	0.00235	6.93E-04	4.04E-05	0.002135	2.91E-07	2.87E-03	0.000611	3.11E-05	0.004598	3.01E-07	0.00524
535	489528.13	3861308.47	0.29642	0.34951	0.31965	0.46516	5.40E-04	3E-05	0.0017	5E-07	0.00227	6.62E-04	3.64E-05	0.002076	2.78E-07	2.78E-03	0.000584	2.8E-05	0.004472	2.87E-07	0.005084
536	489578.13	3861308.47	0.29655	0.35604	0.31453	0.47785	5.41E-04	3E-05	0.00167	5.1E-07	0.00224	6.62E-04	3.71E-05	0.002043	2.85E-07	2.74E-03	0.000584	2.86E-05	0.0044	2.95E-07	0.005013
537	489628.13	3861308.47	0.2958	0.36271	0.31508	0.48833	5.39E-04	3.1E-05	0.00167	5.2E-07	0.00224	6.61E-04	3.78E-05	0.002047	2.91E-07	2.75E-03	0.000583	2.91E-05	0.004408	3.01E-07	0.00502
538	489678.13	3861308.47	0.29583	0.37857	0.31781	0.49492	5.39E-04	3.2E-05	0.00169	5.3E-07	0.00226	6.61E-04	3.95E-05	0.002064	2.95E-07	2.76E-03	0.000583	3.04E-05	0.004446	3.05E-07	0.005059
539	489728.13	3861308.47	0.29549	0.3881	0.31304	0.48427	5.39E-04	3.3E-05	0.00166	5.2E-07	0.00224	6.60E-04	4.05E-05	0.002033	2.89E-07	2.73E-03	0.000582	3.11E-05	0.004379	2.99E-07	0.004993
540	489778.13	3861308.47	0.29288	0.4028	0.31755	0.48012	5.34E-04	3.4E-05	0.00169	5.1E-07	0.00226	6.54E-04	4.2E-05	0.002063	2.87E-07	2.76E-03	0.000577	3.23E-05	0.004442	2.96E-07	0.005052
541	489678.13	3861358.47	0.28962	0.36269	0.31432	0.4823	5.28E-04	3.1E-05	0.00167	5.1E-07	0.00223	6.47E-04	3.78E-05	0.002042	2.88E-07	2.73E-03	0.00057	2.91E-05	0.004397	2.97E-07	0.004997
542	489728.13	3861358.47	0.29208	0.37878	0.31117	0.48403	5.32E-04	3.2E-05	0.00165	5.2E-07	0.00222	6.52E-04	3.95E-05	0.002021	2.89E-07	2.71E-03	0.000575	3.04E-05	0.004353	2.98E-07	0.004959
543	489528.13	3861408.47	0.28552	0.32846	0.30498	0.43535	5.20E-04	2.8E-05	0.00162	4.6E-07	0.00217	6.38E-04	3.43E-05	0.001981	2.6E-07	2.65E-03	0.000562	2.63E-05	0.004266	2.68E-07	0.004855
544	489578.13	3861408.47	0.28844	0.3342	0.31248	0.45124	5.26E-04	2.8E-05	0.00166	4.8E-07	0.00221	6.44E-04	3.48E-05	0.00203	2.69E-07	2.71E-03	0.000568	2.68E-05	0.004371	2.78E-07	0.004966
545	489628.13	3861408.47	0.28968	0.34435	0.30941	0.46285	5.28E-04	2.9E-05	0.00164	4.9E-07	0.0022	6.47E-04	3.59E-05	0.00201	2.76E-07	2.69E-03	0.000571	2.76E-05	0.004328	2.85E-07	0.004927

546	489678.13	3861408.47	0.28729	0.34907	0.30576	0.47191	5.24E-04	3E-05	0.00162	5E-07	0.00218	6.42E-04	3.64E-05	0.001986	2.82E-07	2.66E-03	0.000566	2.8E-05	0.004277	2.91E-07	0.004871
547	489728.13	3861408.47	0.28608	0.36204	0.3117	0.47573	5.21E-04	3.1E-05	0.00166	5.1E-07	0.00221	6.39E-04	3.78E-05	0.002025	2.84E-07	2.70E-03	0.000563	2.9E-05	0.00436	2.93E-07	0.004953
548	489528.13	3861458.47	0.27732	0.33001	0.29976	0.42039	5.06E-04	2.8E-05	0.00159	4.5E-07	0.00213	6.19E-04	3.44E-05	0.001947	2.51E-07	2.60E-03	0.000546	2.65E-05	0.004193	2.59E-07	0.004766
549	489578.13	3861458.47	0.28384	0.32211	0.30487	0.43588	5.17E-04	2.7E-05	0.00162	4.6E-07	0.00217	6.34E-04	3.36E-05	0.00198	2.6E-07	2.65E-03	0.000559	2.58E-05	0.004265	2.69E-07	0.00485
550	489628.13	3861458.47	0.28507	0.33639	0.30898	0.44985	5.20E-04	2.9E-05	0.00164	4.8E-07	0.00219	6.37E-04	3.51E-05	0.002007	2.68E-07	2.68E-03	0.000561	2.7E-05	0.004322	2.77E-07	0.004911
551	489678.13	3861458.47	0.28334	0.34063	0.30367	0.46122	5.16E-04	2.9E-05	0.00161	4.9E-07	0.00216	6.33E-04	3.55E-05	0.001972	2.75E-07	2.64E-03	0.000558	2.73E-05	0.004248	2.84E-07	0.004834
552	489728.13	3861458.47	0.28203	0.34771	0.30138	0.46774	5.14E-04	3E-05	0.0016	5E-07	0.00215	6.30E-04	3.63E-05	0.001958	2.79E-07	2.62E-03	0.000555	2.79E-05	0.004216	2.88E-07	0.0048
553	489528.13	3861508.47	0.27076	0.33266	0.3013	0.41222	4.94E-04	2.8E-05	0.0016	4.4E-07	0.00212	6.05E-04	3.47E-05	0.001957	2.46E-07	2.60E-03	0.000533	2.67E-05	0.004215	2.54E-07	0.004775
554	489578.13	3861508.47	0.27504	0.31941	0.29621	0.42158	5.01E-04	2.7E-05	0.00157	4.5E-07	0.0021	6.14E-04	3.33E-05	0.001924	2.52E-07	2.57E-03	0.000542	2.56E-05	0.004144	2.6E-07	0.004711
555	489628.13	3861508.47	0.28146	0.32085	0.30396	0.43585	5.13E-04	2.7E-05	0.00161	4.6E-07	0.00216	6.29E-04	3.35E-05	0.001974	2.6E-07	2.64E-03	0.000554	2.57E-05	0.004252	2.69E-07	0.004832
556	489678.13	3861508.47	0.28169	0.33162	0.30274	0.44902	5.13E-04	2.8E-05	0.00161	4.8E-07	0.00215	6.29E-04	3.46E-05	0.001966	2.68E-07	2.63E-03	0.000555	2.66E-05	0.004235	2.77E-07	0.004817
557	489728.13	3861508.47	0.27856	0.33612	0.2973	0.45748	5.08E-04	2.9E-05	0.00158	4.9E-07	0.00212	6.22E-04	3.5E-05	0.001931	2.73E-07	2.59E-03	0.000549	2.7E-05	0.004159	2.82E-07	0.004735
558	489628.13	3861558.47	0.27396	0.3126	0.29367	0.42225	4.99E-04	2.7E-05	0.00156	4.5E-07	0.00209	6.12E-04	3.26E-05	0.001907	2.52E-07	2.55E-03	0.00054	2.51E-05	0.004108	2.6E-07	0.004673
559	489678.13	3861558.47	0.279	0.32345	0.30168	0.43636	5.09E-04	2.8E-05	0.0016	4.7E-07	0.00214	6.23E-04	3.37E-05	0.00196	2.6E-07	2.62E-03	0.000549	2.59E-05	0.00422	2.69E-07	0.004796
560	489728.13	3861558.47	0.27714	0.33034	0.29702	0.44721	5.05E-04	2.8E-05	0.00158	4.8E-07	0.00211	6.19E-04	3.44E-05	0.001929	2.67E-07	2.58E-03	0.000546	2.65E-05	0.004155	2.76E-07	0.004728
561	489357.08	3861015.81	0.3255	0.38679	0.34453	0.50456	5.93E-04	3.3E-05	0.00183	5.4E-07	0.00246	7.27E-04	4.03E-05	0.002238	3.01E-07	3.01E-03	0.000641	3.1E-05	0.00482	3.11E-07	0.005492
562	489407.08	3861015.81	0.32677	0.3946	0.33998	0.52219	5.96E-04	3.4E-05	0.00181	5.6E-07	0.00244	7.30E-04	4.11E-05	0.002208	3.12E-07	2.98E-03	0.000644	3.17E-05	0.004756	3.22E-07	0.005432
563	489457.08	3861015.81	0.32383	0.40297	0.34671	0.53313	5.90E-04	3.4E-05	0.00184	5.7E-07	0.00247	7.23E-04	4.2E-05	0.002252	3.18E-07	3.02E-03	0.000638	3.23E-05	0.00485	3.29E-07	0.005521
564	489357.08	3861065.81	0.31944	0.37369	0.34296	0.48872	5.82E-04	3.2E-05	0.00182	5.2E-07	0.00244	7.14E-04	3.9E-05	0.002228	2.92E-07	2.98E-03	0.000629	3E-05	0.004798	3.01E-07	0.005457
565	489407.08	3861065.81	0.32106	0.38414	0.33717	0.50325	5.85E-04	3.3E-05	0.00179	5.4E-07	0.00241	7.17E-04	4.01E-05	0.00219	3E-07	2.95E-03	0.000632	3.08E-05	0.004717	3.1E-07	0.00538
566	489457.08	3861065.81	0.32068	0.38923	0.33905	0.52152	5.85E-04	3.3E-05	0.0018	5.6E-07	0.00242	7.16E-04	4.06E-05	0.002202	3.11E-07	2.96E-03	0.000632	3.12E-05	0.004743	3.22E-07	0.005406
567	489357.08	3861115.81	0.31429	0.36471	0.33874	0.47437	5.73E-04	3.1E-05	0.0018	5.1E-07	0.0024	7.02E-04	3.8E-05	0.0022	2.83E-07	2.94E-03	0.000619	2.93E-05	0.004739	2.92E-07	0.005387
568	489407.08	3861115.81	0.31582	0.37213	0.33722	0.48768	5.76E-04	3.2E-05	0.00179	5.2E-07	0.0024	7.05E-04	3.88E-05	0.00219	2.91E-07	2.93E-03	0.000622	2.99E-05	0.004717	3.01E-07	0.00537
569	489457.08	3861115.81	0.31775	0.38194	0.33098	0.50392	5.79E-04	3.3E-05	0.00176	5.4E-07	0.00237	7.10E-04	3.98E-05	0.00215	3.01E-07	2.90E-03	0.000626	3.06E-05	0.00463	3.11E-07	0.005287
570	489407.08	3861165.81	0.31061	0.35817	0.33589	0.47462	5.66E-04	3E-05	0.00178	5.1E-07	0.00238	6.94E-04	3.73E-05	0.002182	2.83E-07	2.91E-03	0.000612	2.87E-05	0.004699	2.93E-07	0.00534
571	489457.08	3861165.81	0.31217	0.37147	0.33205	0.48713	5.69E-04	3.2E-05	0.00176	5.2E-07	0.00237	6.97E-04	3.87E-05	0.002157	2.91E-07	2.89E-03	0.000615	2.98E-05	0.004645	3E-07	0.00529
572	489407.08	3861215.81	0.30333	0.35343	0.32464	0.45803	5.53E-04	3E-05	0.00172	4.9E-07	0.00231	6.78E-04	3.69E-05	0.002109	2.73E-07	2.82E-03	0.000597	2.84E-05	0.004541	2.82E-07	0.005167
573	489457.08	3861215.81	0.30494	0.35718	0.32941	0.47281	5.56E-04	3E-05	0.00175	5E-07	0.00234	6.81E-04	3.72E-05	0.00214	2.82E-07	2.86E-03	0.000601	2.87E-05	0.004608	2.92E-07	0.005238
574	489407.08	3861265.81	0.29296	0.35549	0.3137	0.44568	5.34E-04	3E-05	0.00167	4.8E-07	0.00223	6.54E-04	3.71E-05	0.002038	2.66E-07	2.73E-03	0.000577	2.85E-05	0.004388	2.75E-07	0.004994
575	489457.08	3861265.81	0.2995	0.34267	0.32237	0.45648	5.46E-04	2.9E-05	0.00171	4.9E-07	0.00229	6.69E-04	3.57E-05	0.002094	2.72E-07	2.80E-03	0.00059	2.75E-05	0.00451	2.81E-07	0.005127
576	489309.86	3861110.14	0.31023	0.38135	0.33026	0.46746	5.65E-04	3.2E-05	0.00175	5E-07	0.00235	6.93E-04	3.98E-05	0.002145	2.79E-07	2.88E-03	0.000611	3.06E-05	0.00462	2.88E-07	0.005262
577	489407.08	3861315.81	0.28519	0.35345	0.31407	0.43358	5.20E-04	3E-05	0.00167	4.6E-07	0.00222	6.37E-04	3.69E-05	0.00204	2.59E-07	2.71E-03	0.000562	2.84E-05	0.004394	2.67E-07	0.004984
578	489457.08	3861315.81	0.29201	0.34209	0.31142	0.44179	5.32E-04	2.9E-05	0.00165	4.7E-07	0.00222	6.52E-04	3.57E-05	0.002023	2.64E-07	2.71E-03	0.000575	2.74E-05	0.004356	2.72E-07	0.004959
579	488906.03	3861006.75	0.29758	0.38242	0.32942	0.47301	5.42E-04	3.3E-05	0.00175	5E-07	0.00233	6.65E-04	3.99E-05	0.00214	2.82E-07	2.84E-03	0.000586	3.07E-05	0.004608	2.92E-07	0.005225
580	488956.03	3861006.75	0.30552	0.3781	0.34148	0.47724	5.57E-04	3.2E-05	0.00181	5.1E-07	0.0024	6.82E-04	3.94E-05	0.002218	2.85E-07	2.94E-03	0.000602	3.03E-05	0.004777	2.94E-07	0.005409
581	488904.24	3861051.87	0.29684	0.39145	0.32394	0.46841	5.41E-04	3.3E-05	0.00172	5E-07	0.0023	6.63E-04	4.08E-05	0.002104	2.8E-07	2.81E-03	0.000585	3.14E-05	0.004532	2.89E-07	0.005148
582	488954.24	3861051.87	0.29881	0.37048	0.33333	0.47039	5.45E-04	3.2E-05	0.00177	5E-07	0.00235	6.67E-04	3.86E-05	0.002165	2.81E-07	2.87E-03	0.000588	2.97E-05	0.004663	2.9E-07	0.005281
583	489004.24	3861051.87	0.3033	0.38552	0.34409	0.47387	5.53E-04	3.3E-05	0.00183	5.1E-07	0.00241	6.77E-04	4.02E-05	0.002235	2.83E-07	2.95E-03	0.000597	3.09E-05	0.004813	2.92E-07	0.005442
584	488804.24	3861101.87	0.28322	0.39203	0.30336	0.43189	5.16E-04	3.3E-05	0.00161	4.6E-07	0.00216	6.33E-04	4.09E-05	0.00197	2.58E-07	2.64E-03	0.000558	3.14E-05	0.004244	2.66E-07	0.004833
585	488854.24	3861101.87	0.28694	0.39121	0.30539	0.44103	5.23E-04	3.3E-05	0.00162	4.7E-07	0.00218	6.41E-04	4.08E-05	0.001984	2.63E-07	2.67E-03	0.000565	3.14E-05	0.004272	2.72E-07	0.004869
586	488904.24	3861101.87	0.28586	0.38065	0.31154	0.45257	5.21E-04	3.2E-05	0.00166	4.8E-07	0.00221	6.39E-04	3.97E-05	0.002024	2.7E-07	2.70E-03	0.000563	3.05E-05	0.004358	2.79E-07	0.004952
587	488954.24	3861101.87	0.28703	0.36639	0.31562	0.45724	5.23E-04	3.1E-05	0.00168	4.9E-07	0.00223	6.41E-04	3.82E-05	0.00205	2.73E-07	2.73E-03	0.000565	2.94E-05	0.004415	2.82E-07	0.00501
588	489004.24	3861101.87	0.29249	0.3616	0.32718	0.4632	5.33E-04	3.1E-05	0.00174	4.9E-07	0.0023	6.53E-04	3.77E-05	0.002125	2.76E-07	2.82E-03	0.000576	2.9E-05	0.004577	2.86E-07	0.005182
589	488804.24	3861151.87	0.27394	0.37893	0.29869	0.4212	4.99E-04	3.2E-05	0.00159	4.5E-07	0.00212	6.12E-04	3.95E-05	0.00194	2.51E-07	2.59E-03	0.00054	3.04E-05	0.004178	2.6E-07	0.004749
590	488854.24	3861151.87	0.27553	0.37356	0.29258	0.42418	5.02E-04	3.2E-05	0.00155	4.5E-07	0.00209	6.15E-04	3.9E-05	0.0019	2.53E-07	2.56E-03	0.000543	3E-05	0.004093	2.62E-07	0.004666
591	489129.49	3861187.55	0.28336	0.36277	0.32609	0.45723	5.17E-04	3.1E-05	0.00173	4.9E-07	0.00228	6.33E-04	3.78E-05	0.002118	2.73E-07	2.79E-03	0.000558	2.91E-05	0.004562	2.82E-07	0.005149
592	489179.49	3861187.55	0.28892	0.3616	0.33088	0.45539	5.27E-04	3.1E-05	0.00176	4.9E-07	0.00232	6.45E-04	3.77E-05	0.002149	2.72E-07	2.83E-03	0.000569	2.9E-05	0.004629	2.81E-07	0.005227
593	488804.24	3861201.87	0.26829	0.37055	0.29821	0.41493	4.89E-04	3.2E-05	0.00158	4.4E-07	0.00211	5.99E-04	3.86E-05	0.001937	2.48E-07	2.58E-03	0.000528	2.97E-05	0.004172	2.56E-07	0.00473
594	488854.24	3861201.87	0.26951	0.36482	0.28861	0.41335	4.91E-04	3.1E-05	0.00153	4.4E-07	0.00206	6.02E-04	3.8E-05	0.001875	2.47E-07	2.51E-03	0.000531	2.93E-05	0.004037	2.55E-07	0.004598
595	489129.49	3861237.55	0.27888	0.35604	0.31993	0.44937	5.08E-04	3E-05	0.0017	4.8E-07	0.00224	6.23E-04	3.71E-05	0.002078	2.68E-07	2.74E-03	0.000549	2.86E-05	0.004475	2.77E-07	0.005054
596	489179.49	3861237.55	0.27998	0.34812	0.32204	0.45037	5.10E-04	3E-05	0.00171	4.8E-07	0.00225	6.25E-04	3.63E-05	0.002092	2.69E-07	2.75E-03	0.000551	2.79E-05	0.004505	2.78E-07	0.005085
597	488804.24	3861251.87	0.26303	0.3699	0.29921	0.40809	4.79E-04	3.1E-05	0.00159	4.4E-07	0.0021	5.88E-04	3.86E-05	0.001943	2.44E-07	2.57E-03	0.000518	2.97E-05	0.004186	2.52E-07	0.004734
598	488854.24	3861251.87	0.26414	0.36375	0.28866	0.40457	4.81E-04	3.1E-05	0.00153	4.3E-07	0.00205	5.90E-04	3.79E-05	0.001875	2.41E-07	2.50E-03	0.00052	2.92E-05	0.004038	2.49E-07	0.004588
599	488804.24	3861301.87	0.25831	0.36572	0.29975	0.4007	4.71E-04	3.1E-05	0.00159	4.3E-07	0.0021	5.77E-04	3.81E-05	0.001947	2.39E-07	2.56E-03	0.000509	2.93E-05	0.004193	2.47E-07	0.004732
600	488854.24	3861301.87	0.25846	0.35602	0.28829	0.39891	4.71E-04	3E-05	0.00153	4.3E-07	0.00203	5.77E-04	3.71E-05	0.001873	2.38E-07	2.49E-03	0.000509	2.86E-05	0.004033	2.46E-07	0.004571
601	490943.5	3860181.97	0.38619	0.50255	0.39319	0.60451	7.04E-04	4.3E-05	0.00209	6.4E-07	0.00284	8.63E-04	5.24E-05	0.002554	3.61E-07	3.47E-03	0.000761	4.03E-05	0.0055	3.73E-07	0.006302
602	490993.5	3860181.97	0.3842	0.47719	0.38065	0.59117	7.00E-04	4.1E-05	0.00202	6.3E-07	0.00276	8.58E-04	4.98E-05	0.002472	3.53E-07	3.38E-03	0.000757	3.83E-05	0.005325	3.64E-07	0.00612
603	491043.5	3860181.97	0.38449	0.4719	0.37788	0.57838	7.01E-04	4E-05	0.00201	6.2E-07	0.00275	8.59E-04	4.92E-05	0.002454	3.45E-07	3.36E-03	0.000757	3.79E-05	0.005286	3.57E-07	0.006082
604	491093.5	3860181.97	0.38808	0.46949	0.36723	0.59076	7.07E-04	4E-05	0.00195	6.3E-07	0.0027	8.67E-04	4.9E-05	0.002385	3.53E-07	3.30E-03	0.000764	3.77E-05	0.005137	3.64E-07	0.00594
605	490943.5	3860231.97	0.38517	0.48142	0.38546	0.59039	7.02E-04	4.1E-05	0.00205	6.3E-07	0.00279	8.60E-04	5.02E-05	0.002504	3.52E-07	3.41E-03	0.000759	3.86E-05	0.005392	3.64E-07	0.00619
606	490993.5	3860231.97	0.38178	0.49263	0.38908	0.58388	6.96E-04	4.2E-05	0.00207	6.2E-07	0.00281	8.53E-04	5.14E-05	0.002527	3.48E-07	3.43E-03	0.000752	3.95E-05	0.005443	3.6E-07	0.006235

607	491043.5	3860231.97	0.37614	0.47382	0.37631	0.58477	6.86E-04	4E-05	0.002	6.2E-07	0.00273	8.40E-04	4.94E-05	0.002444	3.49E-07	3.33E-03	0.000741	3.8E-05	0.005264	3.61E-07	0.006043
608	491093.5	3860231.97	0.37532	0.46154	0.36907	0.56193	6.84E-04	3.9E-05	0.00196	6E-07	0.00268	8.38E-04	4.81E-05	0.002397	3.35E-07	3.28E-03	0.000739	3.7E-05	0.005163	3.46E-07	0.005939
609	490943.5	3860281.97	0.38302	0.469	0.37445	0.58809	6.98E-04	4E-05	0.00199	6.3E-07	0.00273	8.56E-04	4.89E-05	0.002432	3.51E-07	3.34E-03	0.000754	3.76E-05	0.005238	3.63E-07	0.006031
610	490993.5	3860281.97	0.37814	0.4677	0.37865	0.58226	6.89E-04	4E-05	0.00201	6.2E-07	0.00274	8.45E-04	4.88E-05	0.002459	3.48E-07	3.35E-03	0.000745	3.75E-05	0.005297	3.59E-07	0.00608
611	491043.5	3860281.97	0.37526	0.47747	0.38081	0.5657	6.84E-04	4.1E-05	0.00202	6E-07	0.00275	8.38E-04	4.98E-05	0.002473	3.38E-07	3.36E-03	0.000739	3.83E-05	0.005327	3.49E-07	0.006105
612	491093.5	3860281.97	0.36929	0.47272	0.37163	0.57526	6.73E-04	4E-05	0.00197	6.1E-07	0.00269	8.25E-04	4.93E-05	0.002414	3.43E-07	3.29E-03	0.000727	3.79E-05	0.005199	3.55E-07	0.005964
613	490943.5	3860331.97	0.37925	0.45974	0.37546	0.57719	6.91E-04	3.9E-05	0.00199	6.2E-07	0.00273	8.47E-04	4.79E-05	0.002439	3.44E-07	3.33E-03	0.000747	3.69E-05	0.005252	3.56E-07	0.006036
614	490993.5	3860331.97	0.37631	0.45948	0.36672	0.57532	6.86E-04	3.9E-05	0.00195	6.1E-07	0.00267	8.41E-04	4.79E-05	0.002382	3.43E-07	3.27E-03	0.000741	3.69E-05	0.00513	3.55E-07	0.005908
615	491043.5	3860331.97	0.37128	0.45319	0.36946	0.57109	6.77E-04	3.9E-05	0.00196	6.1E-07	0.00268	8.29E-04	4.73E-05	0.0024	3.41E-07	3.28E-03	0.000731	3.64E-05	0.005168	3.52E-07	0.005936
616	491093.5	3860331.97	0.36656	0.46196	0.3707	0.55236	6.68E-04	3.9E-05	0.00197	5.9E-07	0.00268	8.19E-04	4.82E-05	0.002408	3.3E-07	3.28E-03	0.000722	3.71E-05	0.005186	3.41E-07	0.005945
617	490086.72	3859935.12	0.54027	0.64104	0.51063	0.86939	9.85E-04	5.5E-05	0.00271	9.3E-07	0.00375	1.21E-03	6.68E-05	0.003317	5.19E-07	4.59E-03	0.001064	5.14E-05	0.007143	5.36E-07	0.008259
618	490136.72	3859935.12	0.52299	0.62772	0.50869	0.82855	9.53E-04	5.3E-05	0.0027	8.8E-07	0.00371	1.17E-03	6.55E-05	0.003304	4.95E-07	4.54E-03	0.00103	5.04E-05	0.007116	5.11E-07	0.008197
619	490186.72	3859935.12	0.52769	0.60496	0.49289	0.78982	9.62E-04	5.1E-05	0.00262	8.4E-07	0.00363	1.18E-03	6.31E-05	0.003201	4.71E-07	4.44E-03	0.001039	4.85E-05	0.006895	4.87E-07	0.007983
620	490236.72	3859935.12	0.52268	0.60063	0.48108	0.78011	9.53E-04	5.1E-05	0.00256	8.3E-07	0.00356	1.17E-03	6.26E-05	0.003125	4.66E-07	4.36E-03	0.001029	4.82E-05	0.00673	4.81E-07	0.007808
621	490286.72	3859935.12	0.51003	0.59353	0.47484	0.77399	9.30E-04	5.1E-05	0.00252	8.3E-07	0.0035	1.14E-03	6.19E-05	0.003084	4.62E-07	4.29E-03	0.001004	4.76E-05	0.006643	4.77E-07	0.007695
622	490336.72	3859935.12	0.48933	0.58494	0.46622	0.75421	8.92E-04	5E-05	0.00248	8E-07	0.00342	1.09E-03	6.1E-05	0.003028	4.5E-07	4.18E-03	0.000964	4.69E-05	0.006522	4.65E-07	0.007533
623	490386.72	3859935.12	0.47792	0.58422	0.4591	0.73617	8.71E-04	5E-05	0.00244	7.9E-07	0.00336	1.07E-03	6.09E-05	0.002982	4.39E-07	4.11E-03	0.000941	4.69E-05	0.006422	4.54E-07	0.007411
624	490436.72	3859935.12	0.47586	0.56558	0.45476	0.71517	8.67E-04	4.8E-05	0.00242	7.6E-07	0.00333	1.06E-03	5.9E-05	0.002954	4.27E-07	4.08E-03	0.000937	4.54E-05	0.006362	4.41E-07	0.007345
625	490486.72	3859935.12	0.45701	0.55989	0.44086	0.70556	8.33E-04	4.8E-05	0.00234	7.5E-07	0.00322	1.02E-03	5.84E-05	0.002864	4.21E-07	3.94E-03	0.0009	4.49E-05	0.006167	4.35E-07	0.007113
626	490536.72	3859935.12	0.45297	0.55895	0.44194	0.69713	8.26E-04	4.8E-05	0.00235	7.4E-07	0.00322	1.01E-03	5.83E-05	0.002871	4.16E-07	3.94E-03	0.000892	4.48E-05	0.006182	4.3E-07	0.00712
627	490586.72	3859935.12	0.44377	0.57843	0.44664	0.69621	8.09E-04	4.9E-05	0.00237	7.4E-07	0.00323	9.91E-04	6.03E-05	0.002901	4.16E-07	3.95E-03	0.000874	4.64E-05	0.006248	4.29E-07	0.007169
628	490636.72	3859935.12	0.44252	0.56298	0.44435	0.69805	8.07E-04	4.8E-05	0.00236	7.4E-07	0.00322	9.88E-04	5.87E-05	0.002886	4.17E-07	3.93E-03	0.000872	4.52E-05	0.006216	4.3E-07	0.007133
629	490686.72	3859935.12	0.44754	0.55096	0.42857	0.66611	8.16E-04	4.7E-05	0.00228	7.1E-07	0.00314	1.00E-03	5.75E-05	0.002784	3.98E-07	3.84E-03	0.000881	4.42E-05	0.005995	4.11E-07	0.006921
630	490736.72	3859935.12	0.45202	0.55015	0.42801	0.67586	8.24E-04	4.7E-05	0.00227	7.2E-07	0.00315	1.01E-03	5.74E-05	0.00278	4.03E-07	3.85E-03	0.00089	4.41E-05	0.005987	4.17E-07	0.006922
631	490086.72	3859985.12	0.56269	0.65135	0.51627	0.85896	1.03E-03	5.5E-05	0.00274	9.2E-07	0.00383	1.26E-03	6.79E-05	0.003353	5.13E-07	4.68E-03	0.001108	5.22E-05	0.007222	5.3E-07	0.008383
632	490136.72	3859985.12	0.52679	0.6284	0.50021	0.85349	9.60E-04	5.3E-05	0.00266	9.1E-07	0.00367	1.18E-03	6.55E-05	0.003249	5.09E-07	4.49E-03	0.001037	5.04E-05	0.006997	5.26E-07	0.008086
633	490186.72	3859985.12	0.51173	0.61475	0.49709	0.81396	9.33E-04	5.2E-05	0.00264	8.7E-07	0.00363	1.14E-03	6.41E-05	0.003229	4.86E-07	4.44E-03	0.001008	4.93E-05	0.006954	5.02E-07	0.008011
634	490236.72	3859985.12	0.51409	0.59582	0.48452	0.77794	9.37E-04	5.1E-05	0.00257	8.3E-07	0.00356	1.15E-03	6.21E-05	0.003147	4.64E-07	4.36E-03	0.001012	4.78E-05	0.006778	4.8E-07	0.007839
635	490286.72	3859985.12	0.50999	0.5854	0.47309	0.75828	9.30E-04	5E-05	0.00251	8.1E-07	0.00349	1.14E-03	6.1E-05	0.003073	4.53E-07	4.27E-03	0.001004	4.7E-05	0.006618	4.68E-07	0.00767
636	490336.72	3859985.12	0.50147	0.58191	0.46684	0.75352	9.14E-04	5E-05	0.00248	8E-07	0.00344	1.12E-03	6.07E-05	0.003032	4.5E-07	4.21E-03	0.000988	4.67E-05	0.006531	4.65E-07	0.007565
637	490386.72	3859985.12	0.4802	0.57312	0.45702	0.73615	8.75E-04	4.9E-05	0.00243	7.9E-07	0.00335	1.07E-03	5.98E-05	0.002968	4.39E-07	4.10E-03	0.000946	4.6E-05	0.006393	4.54E-07	0.007385
638	490436.72	3859985.12	0.46066	0.57223	0.45049	0.71584	8.40E-04	4.9E-05	0.00239	7.6E-07	0.00328	1.03E-03	5.97E-05	0.002926	4.27E-07	4.02E-03	0.000907	4.59E-05	0.006302	4.41E-07	0.007256
639	490486.72	3859985.12	0.46617	0.55609	0.44549	0.70696	8.50E-04	4.7E-05	0.00237	7.5E-07	0.00326	1.04E-03	5.8E-05	0.002894	4.22E-07	3.99E-03	0.000918	4.46E-05	0.006232	4.36E-07	0.007195
640	490536.72	3859985.12	0.44739	0.54716	0.43433	0.68423	8.16E-04	4.7E-05	0.00231	7.3E-07	0.00317	9.99E-04	5.71E-05	0.002821	4.08E-07	3.88E-03	0.000881	4.39E-05	0.006076	4.22E-07	0.007001
641	490586.72	3859985.12	0.44035	0.54163	0.43228	0.68286	8.03E-04	4.6E-05	0.0023	7.3E-07	0.00315	9.84E-04	5.65E-05	0.002808	4.08E-07	3.85E-03	0.000867	4.34E-05	0.006047	4.21E-07	0.006958
642	490636.72	3859985.12	0.43619	0.55877	0.43456	0.6792	7.95E-04	4.8E-05	0.00231	7.2E-07	0.00315	9.74E-04	5.83E-05	0.002823	4.05E-07	3.86E-03	0.000859	4.48E-05	0.006079	4.19E-07	0.006983
643	490686.72	3859985.12	0.43345	0.56517	0.44011	0.68164	7.90E-04	4.8E-05	0.00234	7.3E-07	0.00318	9.68E-04	5.89E-05	0.002859	4.07E-07	3.89E-03	0.000854	4.53E-05	0.006157	4.2E-07	0.007056
644	490736.72	3859985.12	0.4359	0.53683	0.42252	0.65649	7.95E-04	4.6E-05	0.00224	7E-07	0.00309	9.74E-04	5.6E-05	0.002744	3.92E-07	3.77E-03	0.000858	4.31E-05	0.005911	4.05E-07	0.006813
645	490786.72	3859985.12	0.43747	0.5364	0.42059	0.64559	7.97E-04	4.6E-05	0.00223	6.9E-07	0.00308	9.77E-04	5.59E-05	0.002732	3.85E-07	3.77E-03	0.000862	4.3E-05	0.005884	3.98E-07	0.006789
646	490086.72	3860035.12	0.55817	0.64041	0.50895	0.83997	1.02E-03	5.4E-05	0.0027	9E-07	0.00378	1.25E-03	6.68E-05	0.003306	5.01E-07	4.62E-03	0.001099	5.14E-05	0.00712	5.18E-07	0.008271
647	490136.72	3860035.12	0.5501	0.63747	0.50796	0.83722	1.00E-03	5.4E-05	0.0027	8.9E-07	0.00376	1.23E-03	6.65E-05	0.003299	5E-07	4.60E-03	0.001083	5.11E-05	0.007106	5.16E-07	0.008241
648	490186.72	3860035.12	0.51701	0.61719	0.49051	0.8389	9.42E-04	5.3E-05	0.00261	8.9E-07	0.0036	1.15E-03	6.44E-05	0.003186	5.01E-07	4.41E-03	0.001018	4.95E-05	0.006862	5.17E-07	0.00793
649	490236.72	3860035.12	0.49967	0.60237	0.4845	0.8	9.11E-04	5.1E-05	0.00257	8.5E-07	0.00354	1.12E-03	6.28E-05	0.003147	4.77E-07	4.33E-03	0.000984	4.83E-05	0.006778	4.93E-07	0.007811
650	490286.72	3860035.12	0.49782	0.58529	0.47492	0.76616	9.07E-04	5E-05	0.00252	8.2E-07	0.00348	1.11E-03	6.1E-05	0.003085	4.57E-07	4.26E-03	0.00098	4.7E-05	0.006644	4.72E-07	0.007672
651	490336.72	3860035.12	0.49848	0.56754	0.4648	0.73987	9.09E-04	4.8E-05	0.00247	7.9E-07	0.00343	1.11E-03	5.92E-05	0.003019	4.42E-07	4.19E-03	0.000982	4.55E-05	0.006502	4.56E-07	0.00753
652	490386.72	3860035.12	0.49266	0.56894	0.45806	0.73937	8.98E-04	4.8E-05	0.00243	7.9E-07	0.00338	1.10E-03	5.93E-05	0.002975	4.41E-07	4.14E-03	0.00097	4.56E-05	0.006408	4.56E-07	0.007424
653	490436.72	3860035.12	0.47127	0.56085	0.44766	0.71821	8.59E-04	4.8E-05	0.00238	7.7E-07	0.00329	1.05E-03	5.85E-05	0.002908	4.29E-07	4.02E-03	0.000928	4.5E-05	0.006262	4.43E-07	0.007236
654	490486.72	3860035.12	0.45031	0.55604	0.44064	0.69559	8.21E-04	4.7E-05	0.00234	7.4E-07	0.00321	1.01E-03	5.8E-05	0.002862	4.15E-07	3.93E-03	0.000887	4.46E-05	0.006164	4.29E-07	0.007096
655	490536.72	3860035.12	0.44924	0.54798	0.4367	0.69586	8.19E-04	4.7E-05	0.00232	7.4E-07	0.00319	1.00E-03	5.71E-05	0.002836	4.15E-07	3.90E-03	0.000885	4.4E-05	0.006109	4.29E-07	0.007038
656	490586.72	3860035.12	0.44172	0.53371	0.42687	0.66659	8.05E-04	4.5E-05	0.00227	7.1E-07	0.00312	9.87E-04	5.57E-05	0.002773	3.98E-07	3.82E-03	0.00087	4.28E-05	0.005971	4.11E-07	0.006885
657	490636.72	3860035.12	0.43104	0.52881	0.42116	0.66622	7.86E-04	4.5E-05	0.00224	7.1E-07	0.00307	9.63E-04	5.51E-05	0.002736	3.98E-07	3.75E-03	0.000849	4.24E-05	0.005892	4.11E-07	0.006783
658	490686.72	3860035.12	0.42663	0.53652	0.42328	0.65999	7.78E-04	4.6E-05	0.00225	7E-07	0.00307	9.53E-04	5.59E-05	0.002749	3.94E-07	3.76E-03	0.00084	4.3E-05	0.005921	4.07E-07	0.006805
659	490736.72	3860035.12	0.42111	0.55168	0.43161	0.65641	7.68E-04	4.7E-05	0.00229	7E-07	0.00311	9.41E-04	5.75E-05	0.002803	3.92E-07	3.80E-03	0.000829	4.43E-05	0.006038	4.05E-07	0.006912
660	490786.72	3860035.12	0.41942	0.52791	0.41639	0.65041	7.65E-04	4.5E-05	0.00221	6.9E-07	0.00302	9.37E-04	5.5E-05	0.002705	3.88E-07	3.70E-03	0.000826	4.23E-05	0.005825	4.01E-07	0.006694
661	490836.72	3860035.12	0.42439	0.52087	0.4086	0.62649	7.74E-04	4.4E-05	0.00217	6.7E-07	0.00299	9.48E-04	5.43E-05	0.002654	3.74E-07	3.66E-03	0.000836	4.18E-05	0.005716	3.86E-07	0.006594
662	490086.72	3860085.12	0.55014	0.6422	0.49296	0.8248	1.00E-03	5.5E-05	0.00262	8.8E-07	0.00368	1.23E-03	6.7E-05	0.003202	4.92E-07	4.50E-03	0.001083	5.15E-05	0.006896	5.09E-07	0.008032
663	490136.72	3860085.12	0.54349	0.6247	0.49648	0.81947	9.91E-04	5.3E-05	0.00264	8.7E-07	0.00368	1.21E-03	6.51E-05	0.003225	4.89E-07	4.50E-03	0.00107	5.01E-05	0.006945	5.05E-07	0.008066
664	490186.72	3860085.12	0.53723	0.62542	0.50044	0.81777	9.79E-04	5.3E-05	0.00266	8.7E-07	0.00369	1.20E-03	6.52E-05	0.003251	4.88E-07	4.52E-03	0.001058	5.02E-05	0.007001	5.04E-07	0.008109
665	490236.72	3860085.12	0.50725	0.60721	0.48287	0.82095	9.25E-04	5.2E-05	0.00257	8.8E-07	0.00354	1.13E-03	6.33E-05	0.003136	4.9E-07	4.33E-03	0.000999	4.87E-05	0.006755	5.06E-07	0.007803
666	490286.72	3860085.12	0.49026	0.58915	0.47261	0.78626	8.94E-04	5E-05	0.00251	8.4E-07	0.00346	1.10E-03	6.14E-05	0.00307	4.69E-07	4.23E-03	0.000966	4.73E-05	0.006611	4.85E-07	0.007625
667	490336.72	3860085.12	0.48108	0.57522	0.46697	0.75464	8.77E-04	4.9E-05	0.00248	8.1E-07	0.00341	1.07E-03	6E-05	0.003033	4.5E-07	4.17E-03	0.000947	4.61E-05	0.006532	4.65E-07	0.007527

668	490386.72	3860085.12	0.48168	0.55109	0.45695	0.72341	8.78E-04	4.7E-05	0.00243	7.7E-07	0.00335	1.08E-03	5.75E-05	0.002968	4.32E-07	4.10E-03	0.000949	4.42E-05	0.006392	4.46E-07	0.007386
669	490436.72	3860085.12	0.48021	0.55552	0.44967	0.724	8.75E-04	4.7E-05	0.00239	7.7E-07	0.00331	1.07E-03	5.79E-05	0.002921	4.32E-07	4.05E-03	0.000946	4.46E-05	0.00629	4.46E-07	0.007281
670	490486.72	3860085.12	0.4629	0.54637	0.43838	0.70594	8.44E-04	4.6E-05	0.00233	7.5E-07	0.00322	1.03E-03	5.7E-05	0.002847	4.21E-07	3.94E-03	0.000912	4.38E-05	0.006132	4.35E-07	0.007088
671	490536.72	3860085.12	0.44413	0.54022	0.43178	0.67747	8.10E-04	4.6E-05	0.00229	7.2E-07	0.00315	9.92E-04	5.63E-05	0.002805	4.04E-07	3.85E-03	0.000875	4.33E-05	0.00604	4.18E-07	0.006959
672	490586.72	3860085.12	0.43372	0.53734	0.42853	0.67431	7.91E-04	4.6E-05	0.00228	7.2E-07	0.00311	9.69E-04	5.6E-05	0.002783	4.02E-07	3.81E-03	0.000854	4.31E-05	0.005995	4.16E-07	0.006892
673	490636.72	3860085.12	0.43559	0.5208	0.42095	0.64991	7.94E-04	4.4E-05	0.00224	6.9E-07	0.00308	9.73E-04	5.43E-05	0.002734	3.88E-07	3.76E-03	0.000858	4.18E-05	0.005889	4.01E-07	0.006789
674	490686.72	3860085.12	0.41957	0.51865	0.41014	0.65138	7.65E-04	4.4E-05	0.00218	6.9E-07	0.00299	9.37E-04	5.41E-05	0.002664	3.89E-07	3.66E-03	0.000826	4.16E-05	0.005737	4.02E-07	0.006606
675	490736.72	3860085.12	0.4177	0.5186	0.41416	0.64295	7.61E-04	4.4E-05	0.0022	6.9E-07	0.00301	9.33E-04	5.41E-05	0.00269	3.84E-07	3.68E-03	0.000823	4.16E-05	0.005794	3.96E-07	0.006658
676	490786.72	3860085.12	0.41261	0.53522	0.41953	0.63583	7.52E-04	4.6E-05	0.00223	6.8E-07	0.00303	9.22E-04	5.58E-05	0.002725	3.79E-07	3.70E-03	0.000813	4.29E-05	0.005869	3.92E-07	0.006725
677	490836.72	3860085.12	0.40863	0.52148	0.40984	0.64153	7.45E-04	4.4E-05	0.00218	6.8E-07	0.00297	9.13E-04	5.44E-05	0.002662	3.83E-07	3.63E-03	0.000805	4.18E-05	0.005733	3.96E-07	0.00658
678	490086.72	3860135.12	0.54846	0.62942	0.4939	0.8165	1.00E-03	5.4E-05	0.00262	8.7E-07	0.00368	1.23E-03	6.56E-05	0.003208	4.87E-07	4.50E-03	0.00108	5.05E-05	0.006909	5.03E-07	0.00804
679	490136.72	3860135.12	0.53228	0.62413	0.47971	0.80314	9.70E-04	5.3E-05	0.00255	8.6E-07	0.00357	1.19E-03	6.51E-05	0.003116	4.79E-07	4.37E-03	0.001048	5.01E-05	0.006711	4.95E-07	0.00781
680	490186.72	3860135.12	0.52894	0.61003	0.48579	0.80022	9.64E-04	5.2E-05	0.00258	8.5E-07	0.0036	1.18E-03	6.36E-05	0.003155	4.78E-07	4.40E-03	0.001042	4.89E-05	0.006796	4.93E-07	0.007887
681	490236.72	3860135.12	0.52175	0.61113	0.49111	0.79817	9.51E-04	5.2E-05	0.00261	8.5E-07	0.00361	1.17E-03	6.37E-05	0.00319	4.76E-07	4.42E-03	0.001028	4.9E-05	0.00687	4.92E-07	0.007947
682	490286.72	3860135.12	0.49769	0.59651	0.47487	0.80233	9.07E-04	5.1E-05	0.00252	8.6E-07	0.00348	1.11E-03	6.22E-05	0.003084	4.79E-07	4.26E-03	0.00098	4.79E-05	0.006643	4.95E-07	0.007671
683	490336.72	3860135.12	0.4797	0.57701	0.46072	0.77237	8.74E-04	4.9E-05	0.00245	8.2E-07	0.00337	1.07E-03	6.02E-05	0.002993	4.61E-07	4.12E-03	0.000945	4.63E-05	0.006445	4.76E-07	0.007437
684	490386.72	3860135.12	0.4678	0.56502	0.45888	0.74088	8.53E-04	4.8E-05	0.00244	7.9E-07	0.00334	1.04E-03	5.89E-05	0.002981	4.42E-07	4.08E-03	0.000921	4.53E-05	0.006419	4.57E-07	0.007386
685	490436.72	3860135.12	0.46818	0.5388	0.4481	0.70856	8.53E-04	4.6E-05	0.00238	7.6E-07	0.00328	1.05E-03	5.62E-05	0.002911	4.23E-07	4.01E-03	0.000922	4.32E-05	0.006268	4.37E-07	0.007234
686	490486.72	3860135.12	0.46706	0.54282	0.4412	0.70746	8.51E-04	4.6E-05	0.00234	7.5E-07	0.00324	1.04E-03	5.66E-05	0.002866	4.22E-07	3.97E-03	0.00092	4.35E-05	0.006172	4.36E-07	0.007136
687	490536.72	3860135.12	0.45547	0.53555	0.43252	0.69702	8.30E-04	4.6E-05	0.0023	7.4E-07	0.00317	1.02E-03	5.58E-05	0.002809	4.16E-07	3.88E-03	0.000897	4.3E-05	0.006051	4.3E-07	0.006991
688	490586.72	3860135.12	0.43834	0.52619	0.42438	0.66876	7.99E-04	4.5E-05	0.00225	7.1E-07	0.0031	9.79E-04	5.49E-05	0.002756	3.99E-07	3.79E-03	0.000863	4.22E-05	0.005937	4.12E-07	0.006843
689	490636.72	3860135.12	0.41939	0.52871	0.41898	0.65411	7.64E-04	4.5E-05	0.00223	7E-07	0.00304	9.37E-04	5.51E-05	0.002721	3.9E-07	3.71E-03	0.000826	4.24E-05	0.005861	4.03E-07	0.00673
690	490686.72	3860135.12	0.42418	0.50942	0.41525	0.64409	7.73E-04	4.3E-05	0.00221	6.9E-07	0.00302	9.48E-04	5.31E-05	0.002697	3.84E-07	3.70E-03	0.000835	4.09E-05	0.005809	3.97E-07	0.006686
691	490736.72	3860135.12	0.41321	0.50756	0.4013	0.63601	7.53E-04	4.3E-05	0.00213	6.8E-07	0.00293	9.23E-04	5.29E-05	0.002607	3.8E-07	3.58E-03	0.000814	4.07E-05	0.005614	3.92E-07	0.006469
692	490786.72	3860135.12	0.40897	0.50099	0.40468	0.63096	7.45E-04	4.3E-05	0.00215	6.7E-07	0.00294	9.14E-04	5.22E-05	0.002629	3.77E-07	3.59E-03	0.000805	4.02E-05	0.005661	3.89E-07	0.006507
693	490836.72	3860135.12	0.40425	0.5159	0.405	0.61951	7.37E-04	4.4E-05	0.00215	6.6E-07	0.00293	9.03E-04	5.38E-05	0.002631	3.7E-07	3.59E-03	0.000796	4.14E-05	0.005666	3.82E-07	0.006503
694	490086.72	3860185.12	0.5373	0.61737	0.48996	0.81138	9.79E-04	5.3E-05	0.0026	8.7E-07	0.00364	1.20E-03	6.44E-05	0.003182	4.84E-07	4.45E-03	0.001058	4.95E-05	0.006854	5E-07	0.007962
695	490136.72	3860185.12	0.53421	0.61375	0.48443	0.79879	9.74E-04	5.2E-05	0.00257	8.5E-07	0.0036	1.19E-03	6.4E-05	0.003147	4.77E-07	4.40E-03	0.001052	4.92E-05	0.006777	4.93E-07	0.007879
696	490186.72	3860185.12	0.51907	0.61185	0.47004	0.78529	9.46E-04	5.2E-05	0.0025	8.4E-07	0.0035	1.16E-03	6.38E-05	0.003053	4.69E-07	4.28E-03	0.001022	4.91E-05	0.006575	4.84E-07	0.007647
697	490236.72	3860185.12	0.51556	0.59589	0.475	0.77916	9.40E-04	5.1E-05	0.00252	8.3E-07	0.00352	1.15E-03	6.21E-05	0.003085	4.65E-07	4.30E-03	0.001015	4.78E-05	0.006645	4.8E-07	0.007708
698	490286.72	3860185.12	0.50829	0.59789	0.48246	0.77931	9.27E-04	5.1E-05	0.00256	8.3E-07	0.00354	1.14E-03	6.23E-05	0.003134	4.65E-07	4.33E-03	0.001001	4.8E-05	0.006749	4.8E-07	0.007799
699	490336.72	3860185.12	0.48896	0.58581	0.46691	0.78422	8.91E-04	5E-05	0.00248	8.4E-07	0.00342	1.09E-03	6.11E-05	0.003033	4.68E-07	4.19E-03	0.000963	4.7E-05	0.006532	4.84E-07	0.007542
700	490386.72	3860185.12	0.46794	0.56384	0.44922	0.75694	8.53E-04	4.8E-05	0.00239	8.1E-07	0.00329	1.05E-03	5.88E-05	0.002918	4.52E-07	4.02E-03	0.000922	4.52E-05	0.006284	4.67E-07	0.007251
701	490436.72	3860185.12	0.45732	0.55378	0.4518	0.72845	8.34E-04	4.7E-05	0.0024	7.8E-07	0.00328	1.02E-03	5.77E-05	0.002935	4.35E-07	4.01E-03	0.000901	4.44E-05	0.00632	4.49E-07	0.007266
702	490486.72	3860185.12	0.45767	0.52762	0.43919	0.69408	8.34E-04	4.5E-05	0.00233	7.4E-07	0.00321	1.02E-03	5.5E-05	0.002853	4.14E-07	3.93E-03	0.000901	4.23E-05	0.006144	4.28E-07	0.007088
703	490536.72	3860185.12	0.45504	0.52932	0.43344	0.69045	8.29E-04	4.5E-05	0.0023	7.4E-07	0.00318	1.02E-03	5.52E-05	0.002815	4.12E-07	3.89E-03	0.000896	4.25E-05	0.006063	4.26E-07	0.007002
704	490586.72	3860185.12	0.44875	0.52551	0.42695	0.68358	8.18E-04	4.5E-05	0.00227	7.3E-07	0.00313	1.00E-03	5.48E-05	0.002773	4.08E-07	3.83E-03	0.000884	4.22E-05	0.005973	4.21E-07	0.006899
705	490636.72	3860185.12	0.4309	0.51339	0.41793	0.66227	7.85E-04	4.4E-05	0.00222	7.1E-07	0.00305	9.63E-04	5.35E-05	0.002715	3.95E-07	3.73E-03	0.000849	4.12E-05	0.005846	4.08E-07	0.006737
706	490686.72	3860185.12	0.41149	0.5167	0.41245	0.63886	7.50E-04	4.4E-05	0.00219	6.8E-07	0.00299	9.19E-04	5.39E-05	0.002679	3.81E-07	3.65E-03	0.00081	4.14E-05	0.00577	3.94E-07	0.006622
707	490736.72	3860185.12	0.40896	0.49981	0.40824	0.63426	7.45E-04	4.3E-05	0.00217	6.8E-07	0.00296	9.14E-04	5.21E-05	0.002652	3.79E-07	3.62E-03	0.000805	4.01E-05	0.005711	3.91E-07	0.006557
708	490786.72	3860185.12	0.40857	0.49359	0.39423	0.6173	7.45E-04	4.2E-05	0.00209	6.6E-07	0.00288	9.13E-04	5.15E-05	0.002561	3.68E-07	3.53E-03	0.000805	3.96E-05	0.005515	3.81E-07	0.00636
709	490836.72	3860185.12	0.39947	0.49027	0.39427	0.6172	7.28E-04	4.2E-05	0.00209	6.6E-07	0.00287	8.92E-04	5.11E-05	0.002561	3.68E-07	3.50E-03	0.000787	3.93E-05	0.005515	3.81E-07	0.006342
710	490086.72	3860235.12	0.53118	0.60933	0.48748	0.76589	9.68E-04	5.2E-05	0.00259	8.2E-07	0.00361	1.19E-03	6.35E-05	0.003166	4.57E-07	4.42E-03	0.001046	4.89E-05	0.006819	4.72E-07	0.007915
711	490136.72	3860235.12	0.52486	0.60534	0.48198	0.79226	9.57E-04	5.2E-05	0.00256	8.5E-07	0.00357	1.17E-03	6.31E-05	0.003131	4.73E-07	4.37E-03	0.001034	4.86E-05	0.006742	4.88E-07	0.007825
712	490186.72	3860235.12	0.52085	0.59867	0.4751	0.78163	9.49E-04	5.1E-05	0.00252	8.3E-07	0.00353	1.16E-03	6.24E-05	0.003086	4.67E-07	4.31E-03	0.001026	4.8E-05	0.006646	4.82E-07	0.00772
713	490236.72	3860235.12	0.50589	0.59839	0.46039	0.76868	9.22E-04	5.1E-05	0.00245	8.2E-07	0.00342	1.13E-03	6.24E-05	0.00299	4.59E-07	4.18E-03	0.000996	4.8E-05	0.00644	4.74E-07	0.007485
714	490286.72	3860235.12	0.5035	0.58242	0.46467	0.75988	9.18E-04	5E-05	0.00247	8.1E-07	0.00344	1.12E-03	6.07E-05	0.003018	4.54E-07	4.20E-03	0.000992	4.67E-05	0.0065	4.69E-07	0.007539
715	490336.72	3860235.12	0.49531	0.58467	0.47401	0.76307	9.03E-04	5E-05	0.00252	8.1E-07	0.00347	1.11E-03	6.1E-05	0.003079	4.55E-07	4.25E-03	0.000975	4.69E-05	0.006631	4.7E-07	0.007654
716	490386.72	3860235.12	0.48187	0.57597	0.45946	0.76693	8.78E-04	4.9E-05	0.00244	8.2E-07	0.00337	1.08E-03	6.01E-05	0.002984	4.58E-07	4.12E-03	0.000949	4.62E-05	0.006427	4.73E-07	0.007423
717	490436.72	3860235.12	0.45697	0.55359	0.44041	0.74374	8.33E-04	4.7E-05	0.00234	7.9E-07	0.00322	1.02E-03	5.77E-05	0.002861	4.44E-07	3.94E-03	0.0009	4.44E-05	0.006161	4.59E-07	0.007106
718	490486.72	3860235.12	0.44867	0.54225	0.44543	0.71249	8.18E-04	4.6E-05	0.00237	7.6E-07	0.00323	1.00E-03	5.65E-05	0.002893	4.25E-07	3.95E-03	0.000884	4.35E-05	0.006231	4.39E-07	0.007159
719	490536.72	3860235.12	0.44685	0.52071	0.43249	0.68006	8.15E-04	4.4E-05	0.0023	7.3E-07	0.00316	9.98E-04	5.43E-05	0.002809	4.06E-07	3.86E-03	0.00088	4.18E-05	0.00605	4.19E-07	0.006972
720	490586.72	3860235.12	0.44332	0.51799	0.42507	0.67189	8.08E-04	4.4E-05	0.00226	7.2E-07	0.00311	9.90E-04	5.4E-05	0.002761	4.01E-07	3.81E-03	0.000873	4.16E-05	0.005946	4.14E-07	0.006861
721	490636.72	3860235.12	0.44127	0.51537	0.41993	0.66458	8.04E-04	4.4E-05	0.00223	7.1E-07	0.00308	9.86E-04	5.37E-05	0.002728	3.97E-07	3.77E-03	0.000869	4.13E-05	0.005874	4.1E-07	0.006785
722	490686.72	3860235.12	0.42474	0.50711	0.40925	0.6493	7.74E-04	4.3E-05	0.00217	6.9E-07	0.00299	9.49E-04	5.29E-05	0.002658	3.88E-07	3.66E-03	0.000837	4.07E-05	0.005725	4E-07	0.006603
723	490736.72	3860235.12	0.40609	0.50244	0.40442	0.62661	7.40E-04	4.3E-05	0.00215	6.7E-07	0.00293	9.07E-04	5.24E-05	0.002627	3.74E-07	3.59E-03	0.0008	4.03E-05	0.005657	3.86E-07	0.006498
724	490786.72	3860235.12	0.39534	0.49465	0.39987	0.62271	7.21E-04	4.2E-05	0.00212	6.6E-07	0.00289	8.83E-04	5.16E-05	0.002597	3.72E-07	3.53E-03	0.000779	3.97E-05	0.005594	3.84E-07	0.006412
725	490086.72	3860285.12	0.50324	0.58722	0.4625	0.74461	9.17E-04	5E-05	0.00246	7.9E-07	0.00343	1.12E-03	6.12E-05	0.003004	4.44E-07	4.19E-03	0.000991	4.71E-05	0.00647	4.59E-07	0.007509
726	490136.72	3860285.12	0.51897	0.59693	0.47741	0.74722	9.46E-04	5.1E-05	0.00254	8E-07	0.00353	1.16E-03	6.22E-05	0.003101	4.46E-07	4.32E-03	0.001022	4.79E-05	0.006678	4.61E-07	0.007749
727	490186.72	3860285.12	0.51263	0.59289	0.47362	0.77214	9.34E-04	5E-05	0.00252	8.2E-07	0.0035	1.15E-03	6.18E-05	0.003076	4.61E-07	4.28E-03	0.00101	4.76E-05	0.006625	4.76E-07	0.007683
728	490236.72	3860285.12	0.50702	0.58438	0.46591	0.765	9.24E-04	5E-05	0.00248	8.2E-07	0.00345	1.13E-03	6.09E-05	0.003026	4.57E-07	4.22E-03	0.000999	4.69E-05	0.006518	4.72E-07	0.007564

729	490286.72	3860285.12	0.49328	0.58564	0.45128	0.7526	8.99E-04	5E-05	0.0024	8E-07	0.00335	1.10E-03	6.11E-05	0.002931	4.49E-07	4.09E-03	0.000971	4.7E-05	0.006313	4.64E-07	0.007332
730	490336.72	3860285.12	0.49178	0.56935	0.45469	0.74382	8.96E-04	4.8E-05	0.00242	7.9E-07	0.00336	1.10E-03	5.94E-05	0.002953	4.44E-07	4.11E-03	0.000969	4.57E-05	0.006361	4.59E-07	0.007375
731	490386.72	3860285.12	0.48341	0.57215	0.46542	0.74794	8.81E-04	4.9E-05	0.00247	8E-07	0.0034	1.08E-03	5.97E-05	0.003023	4.46E-07	4.16E-03	0.000952	4.59E-05	0.006511	4.61E-07	0.007509
732	490436.72	3860285.12	0.47467	0.56638	0.45222	0.75012	8.65E-04	4.8E-05	0.0024	8E-07	0.00332	1.06E-03	5.91E-05	0.002937	4.48E-07	4.06E-03	0.000935	4.54E-05	0.006326	4.63E-07	0.007307
733	490486.72	3860285.12	0.44913	0.54378	0.4327	0.72999	8.19E-04	4.6E-05	0.0023	7.8E-07	0.00316	1.00E-03	5.67E-05	0.002811	4.36E-07	3.87E-03	0.000885	4.36E-05	0.006053	4.5E-07	0.006982
734	490536.72	3860285.12	0.43882	0.53104	0.4383	0.69738	8.00E-04	4.5E-05	0.00233	7.4E-07	0.00317	9.80E-04	5.54E-05	0.002847	4.16E-07	3.88E-03	0.000864	4.26E-05	0.006131	4.3E-07	0.007039
735	490586.72	3860285.12	0.43332	0.51295	0.42586	0.66818	7.90E-04	4.4E-05	0.00226	7.1E-07	0.0031	9.68E-04	5.35E-05	0.002766	3.99E-07	3.79E-03	0.000853	4.11E-05	0.005957	4.12E-07	0.006852
736	490636.72	3860285.12	0.43162	0.50477	0.4174	0.656	7.87E-04	4.3E-05	0.00222	7E-07	0.00305	9.64E-04	5.26E-05	0.002711	3.92E-07	3.73E-03	0.00085	4.05E-05	0.005839	4.04E-07	0.00673
737	490686.72	3860285.12	0.43071	0.50453	0.41304	0.65108	7.85E-04	4.3E-05	0.00219	6.9E-07	0.00302	9.62E-04	5.26E-05	0.002683	3.89E-07	3.70E-03	0.000848	4.05E-05	0.005778	4.01E-07	0.006667
738	490736.72	3860285.12	0.4178	0.49802	0.4009	0.63838	7.62E-04	4.2E-05	0.00213	6.8E-07	0.00293	9.33E-04	5.19E-05	0.002604	3.81E-07	3.59E-03	0.000823	4E-05	0.005608	3.94E-07	0.006471
739	490786.72	3860285.12	0.40166	0.48941	0.3969	0.61221	7.32E-04	4.2E-05	0.00211	6.5E-07	0.00288	8.97E-04	5.1E-05	0.002578	3.65E-07	3.53E-03	0.000791	3.93E-05	0.005552	3.77E-07	0.006383
740	490086.72	3860335.12	0.48538	0.55938	0.43843	0.72535	8.85E-04	4.8E-05	0.00233	7.7E-07	0.00326	1.08E-03	5.83E-05	0.002848	4.33E-07	3.99E-03	0.000956	4.49E-05	0.006133	4.47E-07	0.007134
741	490136.72	3860335.12	0.49193	0.57586	0.45432	0.72823	8.97E-04	4.9E-05	0.00241	7.8E-07	0.00336	1.10E-03	6E-05	0.002951	4.35E-07	4.11E-03	0.000969	4.62E-05	0.006355	4.49E-07	0.007371
742	490186.72	3860335.12	0.50622	0.58436	0.46809	0.72902	9.23E-04	5E-05	0.00249	7.8E-07	0.00346	1.13E-03	6.09E-05	0.00304	4.35E-07	4.23E-03	0.000997	4.69E-05	0.006548	4.49E-07	0.007592
743	490236.72	3860335.12	0.50132	0.58091	0.46585	0.75287	9.14E-04	4.9E-05	0.00248	8E-07	0.00344	1.12E-03	6.06E-05	0.003026	4.49E-07	4.21E-03	0.000987	4.66E-05	0.006517	4.64E-07	0.007551
744	490286.72	3860335.12	0.49332	0.57099	0.4567	0.74879	8.99E-04	4.9E-05	0.00243	8E-07	0.00338	1.10E-03	5.95E-05	0.002966	4.47E-07	4.13E-03	0.000972	4.58E-05	0.006389	4.62E-07	0.007407
745	490336.72	3860335.12	0.48137	0.57301	0.44265	0.73701	8.77E-04	4.9E-05	0.00235	7.9E-07	0.00328	1.08E-03	5.98E-05	0.002875	4.4E-07	4.01E-03	0.000948	4.6E-05	0.006192	4.54E-07	0.007187
746	490386.72	3860335.12	0.48078	0.55742	0.44554	0.72844	8.76E-04	4.7E-05	0.00237	7.8E-07	0.00329	1.07E-03	5.81E-05	0.002894	4.35E-07	4.03E-03	0.000947	4.47E-05	0.006233	4.49E-07	0.007225
747	490436.72	3860335.12	0.47151	0.5597	0.45598	0.73307	8.59E-04	4.8E-05	0.00242	7.8E-07	0.00333	1.05E-03	5.84E-05	0.002962	4.38E-07	4.07E-03	0.000929	4.49E-05	0.006379	4.52E-07	0.007353
748	490486.72	3860335.12	0.46598	0.55587	0.44473	0.73521	8.49E-04	4.7E-05	0.00236	7.8E-07	0.00326	1.04E-03	5.8E-05	0.002889	4.39E-07	3.99E-03	0.000918	4.46E-05	0.006221	4.53E-07	0.007184
749	490536.72	3860335.12	0.44208	0.53441	0.42772	0.71652	8.06E-04	4.5E-05	0.00227	7.6E-07	0.00312	9.87E-04	5.57E-05	0.002778	4.28E-07	3.82E-03	0.000871	4.29E-05	0.005983	4.42E-07	0.006897
750	490586.72	3860335.12	0.42892	0.52023	0.4285	0.68695	7.82E-04	4.4E-05	0.00228	7.3E-07	0.0031	9.58E-04	5.42E-05	0.002783	4.1E-07	3.80E-03	0.000845	4.17E-05	0.005994	4.24E-07	0.006881
751	490636.72	3860335.12	0.42213	0.50605	0.41943	0.6581	7.69E-04	4.3E-05	0.00223	7E-07	0.00304	9.43E-04	5.28E-05	0.002724	3.93E-07	3.72E-03	0.000831	4.06E-05	0.005867	4.06E-07	0.00674
752	490686.72	3860335.12	0.42248	0.4925	0.41182	0.64423	7.70E-04	4.2E-05	0.00219	6.9E-07	0.003	9.44E-04	5.14E-05	0.002675	3.85E-07	3.67E-03	0.000832	3.95E-05	0.005761	3.97E-07	0.006633
753	490736.72	3860335.12	0.41932	0.49472	0.40625	0.63804	7.64E-04	4.2E-05	0.00216	6.8E-07	0.00297	9.37E-04	5.16E-05	0.002639	3.81E-07	3.63E-03	0.000826	3.97E-05	0.005683	3.93E-07	0.006549
754	490786.72	3860335.12	0.41152	0.48767	0.39434	0.63167	7.50E-04	4.1E-05	0.0021	6.7E-07	0.00289	9.19E-04	5.09E-05	0.002561	3.77E-07	3.53E-03	0.00081	3.91E-05	0.005516	3.89E-07	0.006366
755	490086.72	3860385.12	0.47706	0.54564	0.4296	0.71078	8.70E-04	4.6E-05	0.00228	7.6E-07	0.0032	1.07E-03	5.69E-05	0.00279	4.24E-07	3.91E-03	0.00094	4.38E-05	0.00601	4.38E-07	0.006993
756	490136.72	3860385.12	0.47527	0.54902	0.4298	0.71051	8.66E-04	4.7E-05	0.00228	7.6E-07	0.0032	1.06E-03	5.73E-05	0.002792	4.24E-07	3.91E-03	0.000936	4.4E-05	0.006012	4.38E-07	0.006993
757	490186.72	3860385.12	0.48039	0.5635	0.44563	0.712	8.76E-04	4.8E-05	0.00237	7.6E-07	0.00329	1.07E-03	5.88E-05	0.002894	4.25E-07	4.03E-03	0.000946	4.52E-05	0.006234	4.39E-07	0.007226
758	490236.72	3860385.12	0.49368	0.57183	0.45937	0.71158	9.00E-04	4.9E-05	0.00244	7.6E-07	0.00339	1.10E-03	5.96E-05	0.002984	4.25E-07	4.15E-03	0.000972	4.59E-05	0.006426	4.39E-07	0.007445
759	490286.72	3860385.12	0.48954	0.5679	0.45731	0.73439	8.92E-04	4.8E-05	0.00243	7.8E-07	0.00337	1.09E-03	5.92E-05	0.00297	4.38E-07	4.12E-03	0.000964	4.56E-05	0.006397	4.53E-07	0.007407
760	490336.72	3860385.12	0.48013	0.55798	0.44783	0.73307	8.75E-04	4.7E-05	0.00238	7.8E-07	0.0033	1.07E-03	5.82E-05	0.002909	4.38E-07	4.04E-03	0.000946	4.48E-05	0.006265	4.52E-07	0.007256
761	490386.72	3860385.12	0.47083	0.56074	0.43428	0.72197	8.58E-04	4.8E-05	0.00231	7.7E-07	0.00321	1.05E-03	5.85E-05	0.002821	4.31E-07	3.93E-03	0.000927	4.5E-05	0.006075	4.45E-07	0.007048
762	490436.72	3860385.12	0.46999	0.54524	0.43548	0.71344	8.57E-04	4.6E-05	0.00231	7.6E-07	0.00322	1.05E-03	5.69E-05	0.002829	4.26E-07	3.94E-03	0.000926	4.37E-05	0.006092	4.4E-07	0.007062
763	490486.72	3860385.12	0.46007	0.54808	0.44686	0.7188	8.39E-04	4.7E-05	0.00237	7.7E-07	0.00326	1.03E-03	5.72E-05	0.002902	4.29E-07	3.99E-03	0.000906	4.4E-05	0.006251	4.43E-07	0.007202
764	490536.72	3860385.12	0.45701	0.5462	0.43804	0.72113	8.33E-04	4.6E-05	0.00233	7.7E-07	0.00321	1.02E-03	5.7E-05	0.002845	4.3E-07	3.92E-03	0.0009	4.38E-05	0.006128	4.45E-07	0.007072
765	490586.72	3860385.12	0.43511	0.52525	0.42239	0.70436	7.93E-04	4.5E-05	0.00224	7.5E-07	0.00308	9.72E-04	5.48E-05	0.002744	4.2E-07	3.77E-03	0.000857	4.21E-05	0.005909	4.34E-07	0.006808
766	490636.72	3860385.12	0.41808	0.50985	0.41872	0.67506	7.62E-04	4.3E-05	0.00222	7.2E-07	0.00303	9.34E-04	5.32E-05	0.00272	4.03E-07	3.71E-03	0.000823	4.09E-05	0.005857	4.16E-07	0.006722
767	490686.72	3860385.12	0.41326	0.49945	0.41215	0.64916	7.53E-04	4.3E-05	0.00219	6.9E-07	0.00299	9.23E-04	5.21E-05	0.002677	3.87E-07	3.65E-03	0.000814	4.01E-05	0.005766	4E-07	0.00662
768	490736.72	3860385.12	0.41391	0.48174	0.40613	0.63207	7.54E-04	4.1E-05	0.00216	6.7E-07	0.00295	9.25E-04	5.02E-05	0.002638	3.77E-07	3.61E-03	0.000815	3.86E-05	0.005681	3.9E-07	0.006536
769	490786.72	3860385.12	0.40869	0.4853	0.39955	0.62665	7.45E-04	4.1E-05	0.00212	6.7E-07	0.00291	9.13E-04	5.06E-05	0.002595	3.74E-07	3.56E-03	0.000805	3.89E-05	0.005589	3.86E-07	0.006434
770	490136.72	3860435.12	0.46543	0.53539	0.42121	0.69592	8.48E-04	4.6E-05	0.00224	7.4E-07	0.00313	1.04E-03	5.58E-05	0.002736	4.15E-07	3.83E-03	0.000917	4.29E-05	0.005892	4.29E-07	0.006852
771	490186.72	3860435.12	0.46465	0.53766	0.42061	0.69561	8.47E-04	4.6E-05	0.00223	7.4E-07	0.00313	1.04E-03	5.61E-05	0.002732	4.15E-07	3.83E-03	0.000915	4.31E-05	0.005884	4.29E-07	0.006843
772	490236.72	3860435.12	0.46967	0.5521	0.43637	0.6966	8.56E-04	4.7E-05	0.00232	7.4E-07	0.00322	1.05E-03	5.76E-05	0.002834	4.16E-07	3.94E-03	0.000925	4.43E-05	0.006104	4.3E-07	0.007074
773	490286.72	3860435.12	0.48128	0.55909	0.44999	0.69453	8.77E-04	4.8E-05	0.00239	7.4E-07	0.00332	1.08E-03	5.83E-05	0.002923	4.15E-07	4.06E-03	0.000948	4.48E-05	0.006295	4.28E-07	0.007288
774	490336.72	3860435.12	0.47825	0.55556	0.44902	0.71653	8.72E-04	4.7E-05	0.00239	7.6E-07	0.00331	1.07E-03	5.79E-05	0.002917	4.28E-07	4.04E-03	0.000942	4.46E-05	0.006281	4.42E-07	0.007268
775	490386.72	3860435.12	0.46765	0.54571	0.43918	0.71783	8.52E-04	4.6E-05	0.00233	7.7E-07	0.00323	1.04E-03	5.69E-05	0.002853	4.28E-07	3.95E-03	0.000921	4.38E-05	0.006144	4.43E-07	0.007109
776	490436.72	3860435.12	0.46065	0.54809	0.4261	0.70688	8.40E-04	4.7E-05	0.00226	7.5E-07	0.00315	1.03E-03	5.72E-05	0.002768	4.22E-07	3.85E-03	0.000907	4.4E-05	0.005961	4.36E-07	0.006912
777	490486.72	3860435.12	0.46004	0.53339	0.42607	0.6991	8.39E-04	4.5E-05	0.00226	7.5E-07	0.00315	1.03E-03	5.56E-05	0.002767	4.17E-07	3.85E-03	0.000906	4.28E-05	0.00596	4.31E-07	0.00691
778	490536.72	3860435.12	0.44894	0.53612	0.43722	0.70323	8.18E-04	4.6E-05	0.00232	7.5E-07	0.00319	1.00E-03	5.59E-05	0.00284	4.2E-07	3.90E-03	0.000884	4.3E-05	0.006116	4.34E-07	0.007044
779	490586.72	3860435.12	0.44581	0.53604	0.43147	0.70635	8.13E-04	4.6E-05	0.00229	7.5E-07	0.00315	9.96E-04	5.59E-05	0.002803	4.22E-07	3.85E-03	0.000878	4.3E-05	0.006036	4.36E-07	0.006957
780	490636.72	3860435.12	0.42701	0.51568	0.41532	0.69205	7.78E-04	4.4E-05	0.00221	7.4E-07	0.00303	9.54E-04	5.38E-05	0.002698	4.13E-07	3.71E-03	0.000841	4.14E-05	0.00581	4.27E-07	0.006693
781	490686.72	3860435.12	0.41013	0.50099	0.40952	0.66217	7.48E-04	4.3E-05	0.00218	7.1E-07	0.00297	9.16E-04	5.22E-05	0.00266	3.95E-07	3.63E-03	0.000808	4.02E-05	0.005729	4.08E-07	0.006577
782	490736.72	3860435.12	0.40643	0.49257	0.40578	0.63826	7.41E-04	4.2E-05	0.00216	6.8E-07	0.00294	9.08E-04	5.14E-05	0.002636	3.81E-07	3.60E-03	0.0008	3.95E-05	0.005676	3.94E-07	0.006517
783	490786.72	3860435.12	0.40597	0.47192	0.39953	0.62024	7.40E-04	4E-05	0.00212	6.6E-07	0.0029	9.07E-04	4.92E-05	0.002595	3.7E-07	3.55E-03	0.0008	3.79E-05	0.005589	3.82E-07	0.006427
784	490136.72	3860485.12	0.45386	0.51609	0.41123	0.67602	8.27E-04	4.4E-05	0.00218	7.2E-07	0.00306	1.01E-03	5.38E-05	0.002671	4.03E-07	3.74E-03	0.000894	4.14E-05	0.005753	4.17E-07	0.006688
785	490186.72	3860485.12	0.45489	0.52588	0.41335	0.67982	8.29E-04	4.5E-05	0.0022	7.3E-07	0.00307	1.02E-03	5.48E-05	0.002685	4.06E-07	3.76E-03	0.000896	4.22E-05	0.005782	4.19E-07	0.006721
786	490236.72	3860485.12	0.45455	0.52623	0.41174	0.68114	8.29E-04	4.5E-05	0.00219	7.3E-07	0.00306	1.02E-03	5.49E-05	0.002674	4.07E-07	3.74E-03	0.000895	4.22E-05	0.00576	4.2E-07	0.006698
787	490286.72	3860485.12	0.45906	0.54069	0.42668	0.68153	8.37E-04	4.6E-05	0.00227	7.3E-07	0.00315	1.03E-03	5.64E-05	0.002771	4.07E-07	3.85E-03	0.000904	4.34E-05	0.005969	4.2E-07	0.006917
788	490336.72	3860485.12	0.46924	0.54667	0.44075	0.6783	8.55E-04	4.7E-05	0.00234	7.2E-07	0.00324	1.05E-03	5.7E-05	0.002863	4.05E-07	3.97E-03	0.000924	4.39E-05	0.006166	4.18E-07	0.007134
789	490386.72	3860485.12	0.46797	0.54466	0.44118	0.69985	8.53E-04	4.6E-05	0.00234	7.5E-07	0.00324	1.05E-03	5.68E-05	0.002866	4.18E-07	3.97E-03	0.000922	4.37E-05	0.006172	4.32E-07	0.007137

790	490436.72	3860485.12	0.45819	0.53519	0.43165	0.70365	8.35E-04	4.6E-05	0.00229	7.5E-07	0.00317	1.02E-03	5.58E-05	0.002804	4.2E-07	3.88E-03	0.000902	4.29E-05	0.006038	4.34E-07	0.006984
791	490486.72	3860485.12	0.45073	0.53635	0.41862	0.69237	8.22E-04	4.6E-05	0.00222	7.4E-07	0.00309	1.01E-03	5.59E-05	0.002719	4.13E-07	3.78E-03	0.000888	4.3E-05	0.005856	4.27E-07	0.006787
792	490536.72	3860485.12	0.44998	0.52204	0.41769	0.68426	8.20E-04	4.4E-05	0.00222	7.3E-07	0.00308	1.01E-03	5.44E-05	0.002713	4.08E-07	3.77E-03	0.000886	4.19E-05	0.005843	4.22E-07	0.006772
793	490586.72	3860485.12	0.43906	0.52363	0.42747	0.6876	8.00E-04	4.5E-05	0.00227	7.3E-07	0.00312	9.81E-04	5.46E-05	0.002777	4.1E-07	3.81E-03	0.000865	4.2E-05	0.00598	4.24E-07	0.006887
794	490636.72	3860485.12	0.43627	0.52633	0.42515	0.69124	7.95E-04	4.5E-05	0.00226	7.4E-07	0.0031	9.75E-04	5.49E-05	0.002761	4.13E-07	3.79E-03	0.000859	4.22E-05	0.005947	4.26E-07	0.006849
795	490686.72	3860485.12	0.42029	0.50659	0.40908	0.67811	7.66E-04	4.3E-05	0.00217	7.2E-07	0.00298	9.39E-04	5.28E-05	0.002657	4.05E-07	3.65E-03	0.000828	4.06E-05	0.005723	4.18E-07	0.006591
796	490736.72	3860485.12	0.40264	0.49202	0.40013	0.65249	7.34E-04	4.2E-05	0.00213	7E-07	0.0029	8.99E-04	5.13E-05	0.002599	3.89E-07	3.55E-03	0.000793	3.95E-05	0.005597	4.02E-07	0.00643
797	490786.72	3860485.12	0.39775	0.48416	0.39922	0.62907	7.25E-04	4.1E-05	0.00212	6.7E-07	0.00289	8.88E-04	5.05E-05	0.002593	3.75E-07	3.53E-03	0.000783	3.88E-05	0.005585	3.88E-07	0.006407
798	490136.72	3860535.12	0.43991	0.50129	0.40291	0.64471	8.02E-04	4.3E-05	0.00214	6.9E-07	0.00299	9.83E-04	5.23E-05	0.002617	3.85E-07	3.65E-03	0.000866	4.02E-05	0.005636	3.98E-07	0.006543
799	490186.72	3860535.12	0.44577	0.50797	0.40489	0.66353	8.13E-04	4.3E-05	0.00215	7.1E-07	0.00301	9.96E-04	5.3E-05	0.00263	3.96E-07	3.68E-03	0.000878	4.07E-05	0.005664	4.09E-07	0.006583
800	490236.72	3860535.12	0.44417	0.51586	0.40515	0.66645	8.10E-04	4.4E-05	0.00215	7.1E-07	0.00301	9.92E-04	5.38E-05	0.002632	3.98E-07	3.68E-03	0.000875	4.14E-05	0.005668	4.11E-07	0.006584
801	490286.72	3860535.12	0.44483	0.51464	0.40324	0.66714	8.11E-04	4.4E-05	0.00214	7.1E-07	0.003	9.94E-04	5.37E-05	0.002619	3.98E-07	3.67E-03	0.000876	4.13E-05	0.005641	4.11E-07	0.006559
802	490336.72	3860535.12	0.44844	0.52941	0.41706	0.66683	8.17E-04	4.5E-05	0.00222	7.1E-07	0.00308	1.00E-03	5.52E-05	0.002709	3.98E-07	3.77E-03	0.000883	4.25E-05	0.005834	4.11E-07	0.00676
803	490386.72	3860535.12	0.45871	0.5355	0.43253	0.66351	8.36E-04	4.6E-05	0.0023	7.1E-07	0.00318	1.02E-03	5.58E-05	0.002809	3.96E-07	3.89E-03	0.000903	4.3E-05	0.006051	4.09E-07	0.006997
804	490436.72	3860535.12	0.45871	0.53498	0.43406	0.68344	8.36E-04	4.6E-05	0.00231	7.3E-07	0.00319	1.02E-03	5.58E-05	0.002819	4.08E-07	3.90E-03	0.000903	4.29E-05	0.006072	4.21E-07	0.007019
805	490486.72	3860535.12	0.4489	0.52442	0.42415	0.68941	8.18E-04	4.5E-05	0.00225	7.4E-07	0.00312	1.00E-03	5.47E-05	0.002755	4.11E-07	3.81E-03	0.000884	4.21E-05	0.005933	4.25E-07	0.00686
806	490536.72	3860535.12	0.44276	0.52735	0.41303	0.67976	8.07E-04	4.5E-05	0.00219	7.3E-07	0.00305	9.89E-04	5.5E-05	0.002683	4.06E-07	3.73E-03	0.000872	4.23E-05	0.005778	4.19E-07	0.006693
807	490586.72	3860535.12	0.43991	0.51146	0.41093	0.66911	8.02E-04	4.4E-05	0.00218	7.1E-07	0.00303	9.83E-04	5.33E-05	0.002669	3.99E-07	3.71E-03	0.000866	4.1E-05	0.005748	4.13E-07	0.006656
808	490636.72	3860535.12	0.43084	0.51189	0.4184	0.67169	7.85E-04	4.4E-05	0.00222	7.2E-07	0.00305	9.62E-04	5.34E-05	0.002718	4.01E-07	3.73E-03	0.000849	4.11E-05	0.005853	4.14E-07	0.006743
809	490686.72	3860535.12	0.42696	0.51706	0.41903	0.67656	7.78E-04	4.4E-05	0.00223	7.2E-07	0.00305	9.54E-04	5.39E-05	0.002722	4.04E-07	3.73E-03	0.000841	4.15E-05	0.005862	4.17E-07	0.006745
810	490736.72	3860535.12	0.41387	0.49792	0.40333	0.66476	7.54E-04	4.2E-05	0.00214	7.1E-07	0.00294	9.24E-04	5.19E-05	0.00262	3.97E-07	3.60E-03	0.000815	3.99E-05	0.005642	4.1E-07	0.006498
811	490786.72	3860535.12	0.3961	0.48316	0.39105	0.64302	7.22E-04	4.1E-05	0.00208	6.9E-07	0.00284	8.85E-04	5.04E-05	0.00254	3.84E-07	3.48E-03	0.00078	3.88E-05	0.00547	3.96E-07	0.00629
812	490136.72	3860585.12	0.42609	0.48716	0.40488	0.61769	7.77E-04	4.1E-05	0.00215	6.6E-07	0.00297	9.52E-04	5.08E-05	0.00263	3.69E-07	3.63E-03	0.000839	3.91E-05	0.005664	3.81E-07	0.006542
813	490186.72	3860585.12	0.42939	0.48908	0.39295	0.63266	7.83E-04	4.2E-05	0.00209	6.7E-07	0.00291	9.59E-04	5.1E-05	0.002552	3.78E-07	3.56E-03	0.000846	3.92E-05	0.005497	3.9E-07	0.006382
814	490236.72	3860585.12	0.43431	0.49573	0.3955	0.64971	7.92E-04	4.2E-05	0.0021	6.9E-07	0.00294	9.70E-04	5.17E-05	0.002569	3.88E-07	3.59E-03	0.000855	3.98E-05	0.005533	4.01E-07	0.006428
815	490286.72	3860585.12	0.43368	0.5059	0.39701	0.65432	7.91E-04	4.3E-05	0.00211	7E-07	0.00294	9.69E-04	5.28E-05	0.002579	3.91E-07	3.60E-03	0.000854	4.06E-05	0.005554	4.03E-07	0.006449
816	490336.72	3860585.12	0.43568	0.50333	0.39506	0.65376	7.94E-04	4.3E-05	0.0021	7E-07	0.00294	9.73E-04	5.25E-05	0.002566	3.9E-07	3.59E-03	0.000858	4.04E-05	0.005526	4.03E-07	0.006425
817	490386.72	3860585.12	0.43818	0.5187	0.40836	0.65271	7.99E-04	4.4E-05	0.00217	7E-07	0.00301	9.79E-04	5.41E-05	0.002652	3.9E-07	3.69E-03	0.000863	4.16E-05	0.005713	4.02E-07	0.006618
818	490436.72	3860585.12	0.44968	0.52601	0.42503	0.64982	8.20E-04	4.5E-05	0.00226	6.9E-07	0.00312	1.00E-03	5.49E-05	0.002761	3.88E-07	3.82E-03	0.000886	4.22E-05	0.005946	4.01E-07	0.006874
819	490486.72	3860585.12	0.4513	0.52769	0.42873	0.66829	8.23E-04	4.5E-05	0.00228	7.1E-07	0.00315	1.01E-03	5.5E-05	0.002785	3.99E-07	3.85E-03	0.000889	4.23E-05	0.005998	4.12E-07	0.006929
820	490536.72	3860585.12	0.44113	0.51566	0.41802	0.67656	8.04E-04	4.4E-05	0.00222	7.2E-07	0.00307	9.85E-04	5.38E-05	0.002715	4.04E-07	3.75E-03	0.000869	4.14E-05	0.005848	4.17E-07	0.006758
821	490586.72	3860585.12	0.43013	0.51254	0.40321	0.6643	7.84E-04	4.4E-05	0.00214	7.1E-07	0.00297	9.61E-04	5.34E-05	0.002619	3.96E-07	3.63E-03	0.000847	4.11E-05	0.005641	4.1E-07	0.006529
822	490636.72	3860585.12	0.42909	0.50035	0.40303	0.65395	7.82E-04	4.3E-05	0.00214	7E-07	0.00297	9.58E-04	5.22E-05	0.002618	3.9E-07	3.63E-03	0.000845	4.01E-05	0.005638	4.03E-07	0.006524
823	490686.72	3860585.12	0.42257	0.50119	0.40931	0.65519	7.70E-04	4.3E-05	0.00217	7E-07	0.00299	9.44E-04	5.23E-05	0.002659	3.91E-07	3.66E-03	0.000832	4.02E-05	0.005726	4.04E-07	0.006599
824	490736.72	3860585.12	0.41626	0.50735	0.41239	0.6621	7.59E-04	4.3E-05	0.00219	7.1E-07	0.00299	9.30E-04	5.29E-05	0.002679	3.95E-07	3.66E-03	0.00082	4.07E-05	0.005769	4.08E-07	0.00663
825	490786.72	3860585.12	0.40705	0.49051	0.3975	0.65163	7.42E-04	4.2E-05	0.00211	7E-07	0.0029	9.09E-04	5.11E-05	0.002582	3.89E-07	3.54E-03	0.000802	3.93E-05	0.005561	4.02E-07	0.006402
826	490136.72	3860635.12	0.41427	0.48524	0.39842	0.60927	7.55E-04	4.1E-05	0.00212	6.5E-07	0.00291	9.25E-04	5.06E-05	0.002588	3.64E-07	3.56E-03	0.000816	3.89E-05	0.005573	3.76E-07	0.006429
827	490186.72	3860635.12	0.41785	0.47876	0.39786	0.60287	7.62E-04	4.1E-05	0.00211	6.4E-07	0.00292	9.33E-04	4.99E-05	0.002584	3.6E-07	3.57E-03	0.000823	3.84E-05	0.005566	3.72E-07	0.006427
828	490236.72	3860635.12	0.42248	0.48102	0.3859	0.62222	7.70E-04	4.1E-05	0.00205	6.6E-07	0.00286	9.44E-04	5.02E-05	0.002507	3.71E-07	3.50E-03	0.000832	3.86E-05	0.005398	3.84E-07	0.006269
829	490286.72	3860635.12	0.42532	0.48645	0.38826	0.6376	7.75E-04	4.1E-05	0.00206	6.8E-07	0.00288	9.50E-04	5.07E-05	0.002522	3.81E-07	3.52E-03	0.000838	3.9E-05	0.005431	3.93E-07	0.006308
830	490336.72	3860635.12	0.42429	0.49627	0.38911	0.64182	7.73E-04	4.2E-05	0.00207	6.8E-07	0.00288	9.48E-04	5.17E-05	0.002527	3.83E-07	3.53E-03	0.000836	3.98E-05	0.005443	3.96E-07	0.006319
831	490386.72	3860635.12	0.42678	0.49259	0.38707	0.64072	7.78E-04	4.2E-05	0.00206	6.8E-07	0.00288	9.53E-04	5.14E-05	0.002514	3.82E-07	3.52E-03	0.000841	3.95E-05	0.005415	3.95E-07	0.006295
832	490436.72	3860635.12	0.42838	0.50838	0.40057	0.63913	7.81E-04	4.3E-05	0.00213	6.8E-07	0.00295	9.57E-04	5.3E-05	0.002602	3.81E-07	3.61E-03	0.000844	4.08E-05	0.005604	3.94E-07	0.006488
833	490486.72	3860635.12	0.4384	0.51293	0.41458	0.63443	7.99E-04	4.4E-05	0.0022	6.8E-07	0.00305	9.79E-04	5.35E-05	0.002693	3.79E-07	3.73E-03	0.000863	4.11E-05	0.0058	3.91E-07	0.006705
834	490536.72	3860635.12	0.44003	0.5145	0.41903	0.65125	8.02E-04	4.4E-05	0.00223	6.9E-07	0.00307	9.83E-04	5.37E-05	0.002722	3.89E-07	3.76E-03	0.000867	4.13E-05	0.005862	4.02E-07	0.00677
835	490586.72	3860635.12	0.42986	0.50171	0.40834	0.66112	7.84E-04	4.3E-05	0.00217	7.1E-07	0.003	9.60E-04	5.23E-05	0.002652	3.95E-07	3.67E-03	0.000847	4.02E-05	0.005712	4.08E-07	0.0066
836	490636.72	3860635.12	0.42093	0.50235	0.39689	0.65151	7.67E-04	4.3E-05	0.00211	7E-07	0.00292	9.40E-04	5.24E-05	0.002578	3.89E-07	3.57E-03	0.000829	4.03E-05	0.005552	4.02E-07	0.006422
837	490686.72	3860635.12	0.41981	0.49057	0.39538	0.63985	7.65E-04	4.2E-05	0.0021	6.8E-07	0.00291	9.38E-04	5.12E-05	0.002568	3.82E-07	3.56E-03	0.000827	3.94E-05	0.005531	3.95E-07	0.006398
838	490736.72	3860635.12	0.4144	0.49125	0.40035	0.63865	7.55E-04	4.2E-05	0.00213	6.8E-07	0.00292	9.26E-04	5.12E-05	0.0026	3.81E-07	3.58E-03	0.000816	3.94E-05	0.0056	3.94E-07	0.006456
839	490786.72	3860635.12	0.40548	0.4978	0.4058	0.64796	7.39E-04	4.2E-05	0.00216	6.9E-07	0.00294	9.06E-04	5.19E-05	0.002636	3.87E-07	3.59E-03	0.000799	3.99E-05	0.005677	4E-07	0.006516
840	490136.72	3860685.12	0.40076	0.47987	0.37713	0.60641	7.31E-04	4.1E-05	0.002	6.5E-07	0.00278	8.95E-04	5E-05	0.00245	3.62E-07	3.40E-03	0.000789	3.85E-05	0.005276	3.74E-07	0.006104
841	490186.72	3860685.12	0.40851	0.47725	0.39288	0.59677	7.45E-04	4.1E-05	0.00209	6.4E-07	0.00287	9.13E-04	4.98E-05	0.002552	3.56E-07	3.51E-03	0.000805	3.83E-05	0.005496	3.68E-07	0.006339
842	490236.72	3860685.12	0.40983	0.47142	0.39142	0.58884	7.47E-04	4E-05	0.00208	6.3E-07	0.00287	9.15E-04	4.92E-05	0.002542	3.51E-07	3.51E-03	0.000807	3.78E-05	0.005476	3.63E-07	0.006321
843	490286.72	3860685.12	0.41338	0.4706	0.37723	0.61074	7.54E-04	4E-05	0.002	6.5E-07	0.0028	9.23E-04	4.91E-05	0.00245	3.65E-07	3.42E-03	0.000814	3.78E-05	0.005277	3.77E-07	0.006129
844	490336.72	3860685.12	0.41734	0.47791	0.38157	0.6261	7.61E-04	4.1E-05	0.00203	6.7E-07	0.00283	9.32E-04	4.98E-05	0.002478	3.74E-07	3.46E-03	0.000822	3.83E-05	0.005338	3.86E-07	0.006198
845	490386.72	3860685.12	0.4158	0.48614	0.38185	0.62923	7.58E-04	4.1E-05	0.00203	6.7E-07	0.00283	9.29E-04	5.07E-05	0.00248	3.76E-07	3.46E-03	0.000819	3.9E-05	0.005342	3.88E-07	0.0062
846	490436.72	3860685.12	0.41713	0.48158	0.37884	0.6277	7.60E-04	4.1E-05	0.00201	6.7E-07	0.00281	9.32E-04	5.02E-05	0.002461	3.75E-07	3.44E-03	0.000822	3.86E-05	0.0053	3.87E-07	0.00616
847	490486.72	3860685.12	0.41814	0.49734	0.39249	0.62527	7.62E-04	4.2E-05	0.00209	6.7E-07	0.00289	9.34E-04	5.19E-05	0.002549	3.73E-07	3.54E-03	0.000824	3.99E-05	0.005491	3.86E-07	0.006354
848	490536.72	3860685.12	0.42827	0.50135	0.40609	0.62006	7.81E-04	4.3E-05	0.00216	6.6E-07	0.00298	9.57E-04	5.23E-05	0.002638	3.7E-07	3.65E-03	0.000843	4.02E-05	0.005681	3.82E-07	0.006565
849	490586.72	3860685.12	0.4294	0.50255	0.41014	0.63514	7.83E-04	4.3E-05	0.00218	6.8E-07	0.00301	9.59E-04	5.24E-05	0.002664	3.79E-07	3.68E-03	0.000846	4.03E-05	0.005737	3.92E-07	0.006624
850	490636.72	3860685.12	0.4211	0.49191	0.40112	0.64792	7.68E-04	4.2E-05	0.00213	6.9E-07	0.00294	9.41E-04	5.13E-05	0.002605	3.87E-07	3.60E-03	0.000829	3.95E-05	0.005611	3.99E-07	0.00648

851	490686.72	3860685.12	0.41203	0.49232	0.39099	0.63903	7.51E-04	4.2E-05	0.00208	6.8E-07	0.00287	9.20E-04	5.13E-05	0.00254	3.81E-07	3.51E-03	0.000811	3.95E-05	0.00547	3.94E-07	0.006321
852	490736.72	3860685.12	0.4107	0.48199	0.38789	0.6277	7.49E-04	4.1E-05	0.00206	6.7E-07	0.00285	9.17E-04	5.03E-05	0.002519	3.75E-07	3.49E-03	0.000809	3.87E-05	0.005426	3.87E-07	0.006274
853	490786.72	3860685.12	0.4081	0.48382	0.39352	0.62464	7.44E-04	4.1E-05	0.00209	6.7E-07	0.00288	9.12E-04	5.05E-05	0.002556	3.73E-07	3.52E-03	0.000804	3.88E-05	0.005505	3.85E-07	0.006348
854	490136.72	3860735.12	0.3851	0.45961	0.35588	0.58024	7.02E-04	3.9E-05	0.00189	6.2E-07	0.00263	8.60E-04	4.79E-05	0.002312	3.46E-07	3.22E-03	0.000758	3.69E-05	0.004978	3.58E-07	0.005774
855	490186.72	3860735.12	0.38754	0.46438	0.36751	0.59119	7.06E-04	4E-05	0.00195	6.3E-07	0.0027	8.66E-04	4.84E-05	0.002387	3.53E-07	3.30E-03	0.000763	3.73E-05	0.005141	3.65E-07	0.005942
856	490236.72	3860735.12	0.39478	0.45742	0.37965	0.58089	7.20E-04	3.9E-05	0.00202	6.2E-07	0.00278	8.82E-04	4.77E-05	0.002466	3.47E-07	3.40E-03	0.000778	3.67E-05	0.005311	3.58E-07	0.006125
857	490286.72	3860735.12	0.39857	0.45958	0.38149	0.57276	7.27E-04	3.9E-05	0.00203	6.1E-07	0.00279	8.90E-04	4.79E-05	0.002478	3.42E-07	3.42E-03	0.000785	3.69E-05	0.005337	3.53E-07	0.006159
858	490336.72	3860735.12	0.4055	0.46171	0.37012	0.60005	7.39E-04	3.9E-05	0.00197	6.4E-07	0.00275	9.06E-04	4.81E-05	0.002404	3.58E-07	3.36E-03	0.000799	3.7E-05	0.005178	3.7E-07	0.006014
859	490386.72	3860735.12	0.40866	0.46887	0.3745	0.61446	7.45E-04	4E-05	0.00199	6.6E-07	0.00278	9.13E-04	4.89E-05	0.002432	3.67E-07	3.39E-03	0.000805	3.76E-05	0.005239	3.79E-07	0.006082
860	490436.72	3860735.12	0.40861	0.47729	0.37574	0.61761	7.45E-04	4.1E-05	0.002	6.6E-07	0.00278	9.13E-04	4.98E-05	0.002441	3.69E-07	3.40E-03	0.000805	3.83E-05	0.005256	3.81E-07	0.0061
861	490486.72	3860735.12	0.40907	0.47341	0.37205	0.6161	7.46E-04	4E-05	0.00198	6.6E-07	0.00276	9.14E-04	4.94E-05	0.002417	3.68E-07	3.38E-03	0.000806	3.8E-05	0.005205	3.8E-07	0.006049
862	490536.72	3860735.12	0.40873	0.4873	0.38507	0.61225	7.45E-04	4.1E-05	0.00205	6.5E-07	0.00283	9.13E-04	5.08E-05	0.002501	3.65E-07	3.47E-03	0.000805	3.91E-05	0.005387	3.77E-07	0.006231
863	490586.72	3860735.12	0.41847	0.49035	0.39746	0.60616	7.63E-04	4.2E-05	0.00211	6.5E-07	0.00292	9.35E-04	5.11E-05	0.002582	3.62E-07	3.57E-03	0.000824	3.93E-05	0.00556	3.74E-07	0.006424
864	490636.72	3860735.12	0.41953	0.49183	0.40209	0.61994	7.65E-04	4.2E-05	0.00214	6.6E-07	0.00294	9.37E-04	5.13E-05	0.002612	3.7E-07	3.60E-03	0.000826	3.95E-05	0.005625	3.82E-07	0.006491
865	490686.72	3860735.12	0.41203	0.48208	0.39389	0.63492	7.51E-04	4.1E-05	0.00209	6.8E-07	0.00289	9.20E-04	5.03E-05	0.002558	3.79E-07	3.53E-03	0.000811	3.87E-05	0.00551	3.91E-07	0.006361
866	490736.72	3860735.12	0.40276	0.48234	0.38503	0.62673	7.34E-04	4.1E-05	0.00205	6.7E-07	0.00282	9.00E-04	5.03E-05	0.002501	3.74E-07	3.45E-03	0.000793	3.87E-05	0.005386	3.86E-07	0.006218
867	490136.72	3860785.12	0.37309	0.43319	0.35028	0.57001	6.80E-04	3.7E-05	0.00186	6.1E-07	0.00258	8.33E-04	4.52E-05	0.002275	3.4E-07	3.15E-03	0.000735	3.47E-05	0.0049	3.51E-07	0.00567
868	490186.72	3860785.12	0.37495	0.45013	0.34848	0.56854	6.83E-04	3.8E-05	0.00185	6.1E-07	0.00257	8.38E-04	4.69E-05	0.002263	3.39E-07	3.15E-03	0.000738	3.61E-05	0.004875	3.51E-07	0.00565
869	490236.72	3860785.12	0.37888	0.45359	0.36068	0.57806	6.91E-04	3.9E-05	0.00192	6.2E-07	0.00265	8.46E-04	4.73E-05	0.002343	3.45E-07	3.24E-03	0.000746	3.64E-05	0.005046	3.56E-07	0.005828
870	490286.72	3860785.12	0.38664	0.44646	0.37212	0.56847	7.05E-04	3.8E-05	0.00198	6.1E-07	0.00272	8.64E-04	4.66E-05	0.002417	3.39E-07	3.33E-03	0.000761	3.58E-05	0.005206	3.51E-07	0.006003
871	490336.72	3860785.12	0.39016	0.44999	0.37393	0.55858	7.11E-04	3.8E-05	0.00199	6E-07	0.00274	8.72E-04	4.69E-05	0.002429	3.33E-07	3.35E-03	0.000768	3.61E-05	0.005231	3.44E-07	0.006036
872	490386.72	3860785.12	0.39783	0.45308	0.36319	0.58877	7.25E-04	3.9E-05	0.00193	6.3E-07	0.00269	8.89E-04	4.72E-05	0.002359	3.51E-07	3.30E-03	0.000784	3.63E-05	0.005081	3.63E-07	0.005901
873	490436.72	3860785.12	0.39962	0.45979	0.36737	0.60292	7.28E-04	3.9E-05	0.00195	6.4E-07	0.00272	8.93E-04	4.79E-05	0.002386	3.6E-07	3.33E-03	0.000787	3.69E-05	0.005139	3.72E-07	0.005963
874	490486.72	3860785.12	0.39935	0.46569	0.36759	0.60454	7.28E-04	4E-05	0.00195	6.4E-07	0.00272	8.92E-04	4.86E-05	0.002388	3.61E-07	3.33E-03	0.000787	3.74E-05	0.005142	3.73E-07	0.005966
875	490536.72	3860785.12	0.39948	0.46321	0.3645	0.60311	7.28E-04	3.9E-05	0.00194	6.4E-07	0.0027	8.92E-04	4.83E-05	0.002368	3.6E-07	3.31E-03	0.000787	3.72E-05	0.005099	3.72E-07	0.005923
876	490586.72	3860785.12	0.39926	0.47704	0.37749	0.5992	7.28E-04	4.1E-05	0.00201	6.4E-07	0.00277	8.92E-04	4.97E-05	0.002452	3.58E-07	3.39E-03	0.000786	3.83E-05	0.005281	3.69E-07	0.006106
877	490636.72	3860785.12	0.40904	0.47981	0.3893	0.59318	7.46E-04	4.1E-05	0.00207	6.3E-07	0.00286	9.14E-04	5E-05	0.002529	3.54E-07	3.49E-03	0.000806	3.85E-05	0.005446	3.66E-07	0.00629
878	490686.72	3860785.12	0.41041	0.48199	0.39376	0.60584	7.48E-04	4.1E-05	0.00209	6.5E-07	0.00288	9.17E-04	5.03E-05	0.002558	3.62E-07	3.52E-03	0.000808	3.87E-05	0.005508	3.74E-07	0.006356
879	490736.72	3860785.12	0.40326	0.47206	0.38717	0.62229	7.35E-04	4E-05	0.00206	6.6E-07	0.00283	9.01E-04	4.92E-05	0.002515	3.71E-07	3.47E-03	0.000794	3.79E-05	0.005416	3.84E-07	0.006249
880	490086.72	3860835.12	0.35491	0.43153	0.35223	0.57462	6.47E-04	3.7E-05	0.00187	6.1E-07	0.00256	7.93E-04	4.5E-05	0.002288	3.43E-07	3.13E-03	0.000699	3.46E-05	0.004927	3.54E-07	0.005661
881	490136.72	3860835.12	0.36131	0.43439	0.34693	0.5643	6.59E-04	3.7E-05	0.00184	6E-07	0.00254	8.07E-04	4.53E-05	0.002253	3.37E-07	3.11E-03	0.000712	3.48E-05	0.004853	3.48E-07	0.0056
882	490186.72	3860835.12	0.36534	0.42535	0.34386	0.55783	6.66E-04	3.6E-05	0.00183	6E-07	0.00253	8.16E-04	4.44E-05	0.002233	3.33E-07	3.09E-03	0.00072	3.41E-05	0.00481	3.44E-07	0.005564
883	490236.72	3860835.12	0.36558	0.44218	0.34226	0.55922	6.66E-04	3.8E-05	0.00182	6E-07	0.00252	8.17E-04	4.61E-05	0.002223	3.34E-07	3.09E-03	0.00072	3.55E-05	0.004788	3.45E-07	0.005544
884	490286.72	3860835.12	0.37093	0.44407	0.35471	0.5658	6.76E-04	3.8E-05	0.00188	6E-07	0.0026	8.29E-04	4.63E-05	0.002304	3.38E-07	3.18E-03	0.000731	3.56E-05	0.004962	3.49E-07	0.005729
885	490336.72	3860835.12	0.37889	0.43677	0.365	0.55639	6.91E-04	3.7E-05	0.00194	5.9E-07	0.00267	8.46E-04	4.55E-05	0.002371	3.32E-07	3.26E-03	0.000746	3.5E-05	0.005106	3.43E-07	0.005888
886	490386.72	3860835.12	0.38246	0.44125	0.367	0.54742	6.97E-04	3.8E-05	0.00195	5.8E-07	0.00269	8.54E-04	4.6E-05	0.002384	3.27E-07	3.28E-03	0.000753	3.54E-05	0.005134	3.38E-07	0.005923
887	490436.72	3860835.12	0.38934	0.44339	0.35581	0.57699	7.10E-04	3.8E-05	0.00189	6.2E-07	0.00264	8.70E-04	4.62E-05	0.002311	3.44E-07	3.23E-03	0.000767	3.56E-05	0.004977	3.56E-07	0.00578
888	490486.72	3860835.12	0.39004	0.45096	0.36042	0.59165	7.11E-04	3.8E-05	0.00191	6.3E-07	0.00266	8.71E-04	4.7E-05	0.002341	3.53E-07	3.26E-03	0.000768	3.62E-05	0.005042	3.65E-07	0.005847
889	490536.72	3860835.12	0.39001	0.45478	0.35904	0.59147	7.11E-04	3.9E-05	0.00191	6.3E-07	0.00266	8.71E-04	4.74E-05	0.002332	3.53E-07	3.25E-03	0.000768	3.65E-05	0.005023	3.65E-07	0.005828
890	490586.72	3860835.12	0.38976	0.45277	0.35691	0.58991	7.10E-04	3.9E-05	0.0019	6.3E-07	0.00265	8.71E-04	4.72E-05	0.002318	3.52E-07	3.24E-03	0.000768	3.63E-05	0.004993	3.64E-07	0.005797
891	490636.72	3860835.12	0.39047	0.46759	0.37044	0.58662	7.12E-04	4E-05	0.00197	6.3E-07	0.00272	8.72E-04	4.88E-05	0.002406	3.5E-07	3.33E-03	0.000769	3.75E-05	0.005182	3.62E-07	0.005989
892	490686.72	3860835.12	0.40078	0.47069	0.38214	0.58144	7.31E-04	4E-05	0.00203	6.2E-07	0.0028	8.95E-04	4.91E-05	0.002482	3.47E-07	3.43E-03	0.000789	3.78E-05	0.005346	3.58E-07	0.006173
893	490736.72	3860835.12	0.40248	0.47368	0.38609	0.59445	7.34E-04	4E-05	0.00205	6.3E-07	0.00283	8.99E-04	4.94E-05	0.002508	3.55E-07	3.46E-03	0.000793	3.8E-05	0.005401	3.67E-07	0.006232
894	490086.72	3860885.12	0.35595	0.42632	0.34953	0.55738	6.49E-04	3.6E-05	0.00186	5.9E-07	0.00254	7.95E-04	4.45E-05	0.00227	3.33E-07	3.11E-03	0.000701	3.42E-05	0.00489	3.44E-07	0.005625
895	490136.72	3860885.12	0.34972	0.42379	0.34634	0.56416	6.37E-04	3.6E-05	0.00184	6E-07	0.00251	7.81E-04	4.42E-05	0.00225	3.37E-07	3.08E-03	0.000689	3.4E-05	0.004845	3.48E-07	0.005568
896	490186.72	3860885.12	0.35366	0.42506	0.34044	0.55085	6.45E-04	3.6E-05	0.00181	5.9E-07	0.00249	7.90E-04	4.43E-05	0.002211	3.29E-07	3.05E-03	0.000697	3.41E-05	0.004762	3.4E-07	0.005493
897	490236.72	3860885.12	0.35749	0.42025	0.33794	0.54613	6.52E-04	3.6E-05	0.0018	5.8E-07	0.00248	7.99E-04	4.38E-05	0.002195	3.26E-07	3.04E-03	0.000704	3.37E-05	0.004727	3.37E-07	0.005466
898	490286.72	3860885.12	0.35736	0.43508	0.33721	0.55049	6.51E-04	3.7E-05	0.00179	5.9E-07	0.00248	7.98E-04	4.54E-05	0.00219	3.29E-07	3.03E-03	0.000704	3.49E-05	0.004717	3.39E-07	0.005456
899	490336.72	3860885.12	0.36303	0.43414	0.34853	0.55175	6.62E-04	3.7E-05	0.00185	5.9E-07	0.00255	8.11E-04	4.53E-05	0.002264	3.29E-07	3.12E-03	0.000715	3.48E-05	0.004876	3.4E-07	0.005626
900	490386.72	3860885.12	0.37146	0.42833	0.35878	0.54362	6.77E-04	3.6E-05	0.00191	5.8E-07	0.00262	8.30E-04	4.47E-05	0.00233	3.24E-07	3.21E-03	0.000732	3.44E-05	0.005019	3.35E-07	0.005785
901	490436.72	3860885.12	0.37588	0.43389	0.36108	0.53828	6.85E-04	3.7E-05	0.00192	5.7E-07	0.00264	8.40E-04	4.52E-05	0.002345	3.21E-07	3.23E-03	0.00074	3.48E-05	0.005051	3.32E-07	0.005827
902	490486.72	3860885.12	0.38192	0.43502	0.34989	0.56614	6.96E-04	3.7E-05	0.00186	6E-07	0.00259	8.53E-04	4.54E-05	0.002273	3.38E-07	3.17E-03	0.000752	3.49E-05	0.004895	3.49E-07	0.005682
903	490536.72	3860885.12	0.38067	0.44226	0.35376	0.58054	6.94E-04	3.8E-05	0.00188	6.2E-07	0.00261	8.50E-04	4.61E-05	0.002298	3.46E-07	3.19E-03	0.00075	3.55E-05	0.004949	3.58E-07	0.005734
904	490586.72	3860885.12	0.38149	0.4452	0.35121	0.57916	6.95E-04	3.8E-05	0.00187	6.2E-07	0.0026	8.52E-04	4.64E-05	0.002281	3.46E-07	3.18E-03	0.000751	3.57E-05	0.004913	3.57E-07	0.0057
905	490636.72	3860885.12	0.38101	0.44344	0.35003	0.57823	6.95E-04	3.8E-05	0.00186	6.2E-07	0.00259	8.51E-04	4.62E-05	0.002274	3.45E-07	3.17E-03	0.00075	3.56E-05	0.004897	3.57E-07	0.005683
906	490686.72	3860885.12	0.38207	0.45815	0.36344	0.57452	6.96E-04	3.9E-05	0.00193	6.1E-07	0.00267	8.53E-04	4.78E-05	0.002361	3.43E-07	3.26E-03	0.000752	3.68E-05	0.005084	3.54E-07	0.005874
907	490736.72	3860885.12	0.3924	0.46183	0.37483	0.57019	7.15E-04	3.9E-05	0.00199	6.1E-07	0.00275	8.77E-04	4.82E-05	0.002435	3.4E-07	3.36E-03	0.000773	3.7E-05	0.005243	3.52E-07	0.006054
908	490086.72	3860935.12	0.34966	0.41773	0.33848	0.55279	6.37E-04	3.6E-05	0.0018	5.9E-07	0.00247	7.81E-04	4.36E-05	0.002199	3.3E-07	3.02E-03	0.000689	3.35E-05	0.004735	3.41E-07	0.005457
909	490136.72	3860935.12	0.34708	0.41773	0.34292	0.54555	6.33E-04	3.6E-05	0.00182	5.8E-07	0.00249	7.75E-04	4.36E-05	0.002227	3.26E-07	3.05E-03	0.000684	3.35E-05	0.004797	3.36E-07	0.005515
910	490186.72	3860935.12	0.34347	0.41558	0.33852	0.55172	6.26E-04	3.5E-05	0.0018	5.9E-07	0.00246	7.67E-04	4.33E-05	0.002199	3.29E-07	3.01E-03	0.000676	3.33E-05	0.004736	3.4E-07	0.005446
911	490236.72	3860935.12	0.34672	0.41506	0.33535	0.53761	6.32E-04	3.5E-05	0.00178	5.7E-07	0.00245	7.74E-04	4.33E-05	0.002178	3.21E-07	3.00E-03	0.000683	3.33E-05	0.004691	3.31E-07	0.005408

912	490286.72	3860935.12	0.35005	0.41433	0.33219	0.53569	6.38E-04	3.5E-05	0.00176	5.7E-07	0.00244	7.82E-04	4.32E-05	0.002158	3.2E-07	2.98E-03	0.000689	3.32E-05	0.004647	3.3E-07	0.00537
913	490336.72	3860935.12	0.34923	0.42708	0.332	0.54225	6.37E-04	3.6E-05	0.00176	5.8E-07	0.00244	7.80E-04	4.45E-05	0.002156	3.24E-07	2.98E-03	0.000688	3.43E-05	0.004644	3.34E-07	0.005367
914	490386.72	3860935.12	0.35687	0.42464	0.34325	0.54088	6.51E-04	3.6E-05	0.00182	5.8E-07	0.00251	7.97E-04	4.43E-05	0.00223	3.23E-07	3.07E-03	0.000703	3.41E-05	0.004802	3.33E-07	0.005539
915	490436.72	3860935.12	0.36479	0.4208	0.3533	0.53171	6.65E-04	3.6E-05	0.00188	5.7E-07	0.00258	8.15E-04	4.39E-05	0.002295	3.17E-07	3.15E-03	0.000718	3.38E-05	0.004942	3.28E-07	0.005695
916	490486.72	3860935.12	0.36803	0.42644	0.35479	0.53054	6.71E-04	3.6E-05	0.00189	5.7E-07	0.00259	8.22E-04	4.45E-05	0.002304	3.17E-07	3.17E-03	0.000725	3.42E-05	0.004963	3.27E-07	0.005723
917	490536.72	3860935.12	0.37455	0.42722	0.34397	0.55541	6.83E-04	3.6E-05	0.00183	5.9E-07	0.00255	8.37E-04	4.45E-05	0.002234	3.31E-07	3.12E-03	0.000738	3.43E-05	0.004812	3.42E-07	0.005584
918	490586.72	3860935.12	0.37169	0.43391	0.34762	0.56973	6.78E-04	3.7E-05	0.00185	6.1E-07	0.00256	8.30E-04	4.52E-05	0.002258	3.4E-07	3.13E-03	0.000732	3.48E-05	0.004863	3.51E-07	0.00563
919	490636.72	3860935.12	0.37291	0.43577	0.3437	0.56743	6.80E-04	3.7E-05	0.00183	6.1E-07	0.00254	8.33E-04	4.54E-05	0.002232	3.39E-07	3.11E-03	0.000734	3.5E-05	0.004808	3.5E-07	0.005578
920	490686.72	3860935.12	0.37304	0.435	0.34371	0.56752	6.80E-04	3.7E-05	0.00183	6.1E-07	0.00254	8.33E-04	4.54E-05	0.002232	3.39E-07	3.11E-03	0.000735	3.49E-05	0.004808	3.5E-07	0.005578
921	490736.72	3860935.12	0.37398	0.449	0.35646	0.56283	6.82E-04	3.8E-05	0.00189	6E-07	0.00261	8.35E-04	4.68E-05	0.002315	3.36E-07	3.20E-03	0.000737	3.6E-05	0.004987	3.47E-07	0.005759
922	490786.72	3860935.12	0.38444	0.45326	0.36773	0.55928	7.01E-04	3.9E-05	0.00195	6E-07	0.00269	8.59E-04	4.73E-05	0.002389	3.34E-07	3.29E-03	0.000757	3.64E-05	0.005144	3.45E-07	0.005938
923	490836.72	3860935.12	0.38593	0.45574	0.36997	0.57132	7.03E-04	3.9E-05	0.00197	6.1E-07	0.00271	8.62E-04	4.75E-05	0.002403	3.41E-07	3.31E-03	0.00076	3.66E-05	0.005176	3.52E-07	0.005972
924	490086.72	3860985.12	0.34428	0.41525	0.33556	0.5407	6.28E-04	3.5E-05	0.00178	5.8E-07	0.00245	7.69E-04	4.33E-05	0.00218	3.23E-07	2.99E-03	0.000678	3.33E-05	0.004694	3.33E-07	0.005406
925	490136.72	3860985.12	0.34236	0.40938	0.3319	0.54353	6.24E-04	3.5E-05	0.00176	5.8E-07	0.00242	7.65E-04	4.27E-05	0.002156	3.24E-07	2.96E-03	0.000674	3.28E-05	0.004643	3.35E-07	0.00535
926	490186.72	3860985.12	0.33965	0.41142	0.33823	0.53487	6.19E-04	3.5E-05	0.0018	5.7E-07	0.00245	7.59E-04	4.29E-05	0.002197	3.19E-07	3.00E-03	0.000669	3.3E-05	0.004731	3.3E-07	0.005434
927	490236.72	3860985.12	0.33757	0.40908	0.33151	0.53762	6.15E-04	3.5E-05	0.00176	5.7E-07	0.00241	7.54E-04	4.27E-05	0.002153	3.21E-07	2.95E-03	0.000665	3.28E-05	0.004637	3.31E-07	0.005335
928	490286.72	3860985.12	0.34041	0.40465	0.3305	0.52647	6.21E-04	3.4E-05	0.00176	5.6E-07	0.00241	7.60E-04	4.22E-05	0.002147	3.14E-07	2.95E-03	0.00067	3.25E-05	0.004623	3.25E-07	0.005327
929	490336.72	3860985.12	0.34263	0.40776	0.32632	0.52685	6.25E-04	3.5E-05	0.00173	5.6E-07	0.00239	7.65E-04	4.25E-05	0.00212	3.14E-07	2.93E-03	0.000675	3.27E-05	0.004565	3.25E-07	0.005273
930	490386.72	3860985.12	0.34162	0.42029	0.32734	0.53498	6.23E-04	3.6E-05	0.00174	5.7E-07	0.0024	7.63E-04	4.38E-05	0.002126	3.19E-07	2.93E-03	0.000673	3.37E-05	0.004579	3.3E-07	0.005286
931	490436.72	3860985.12	0.35153	0.41607	0.33821	0.5305	6.41E-04	3.5E-05	0.0018	5.7E-07	0.00247	7.85E-04	4.34E-05	0.002197	3.17E-07	3.03E-03	0.000692	3.34E-05	0.004731	3.27E-07	0.005457
932	490486.72	3860985.12	0.35783	0.4133	0.3475	0.51982	6.52E-04	3.5E-05	0.00185	5.5E-07	0.00253	7.99E-04	4.31E-05	0.002257	3.1E-07	3.10E-03	0.000705	3.32E-05	0.004861	3.21E-07	0.005599
933	490536.72	3860985.12	0.36101	0.4193	0.34853	0.52283	6.58E-04	3.6E-05	0.00185	5.6E-07	0.00255	8.06E-04	4.37E-05	0.002264	3.12E-07	3.11E-03	0.000711	3.36E-05	0.004876	3.22E-07	0.005621
934	490586.72	3860985.12	0.36697	0.41935	0.33783	0.54472	6.69E-04	3.6E-05	0.00179	5.8E-07	0.0025	8.20E-04	4.37E-05	0.002194	3.25E-07	3.06E-03	0.000723	3.36E-05	0.004726	3.36E-07	0.005483
935	490636.72	3860985.12	0.36326	0.42608	0.34184	0.56014	6.62E-04	3.6E-05	0.00182	6E-07	0.00252	8.11E-04	4.44E-05	0.00222	3.34E-07	3.08E-03	0.000715	3.42E-05	0.004782	3.45E-07	0.005532
936	490686.72	3860985.12	0.36492	0.42756	0.33681	0.55636	6.65E-04	3.6E-05	0.00179	5.9E-07	0.00249	8.15E-04	4.46E-05	0.002188	3.32E-07	3.05E-03	0.000719	3.43E-05	0.004712	3.43E-07	0.005465
937	490736.72	3860985.12	0.36521	0.42659	0.33739	0.55693	6.66E-04	3.6E-05	0.00179	5.9E-07	0.0025	8.16E-04	4.45E-05	0.002191	3.32E-07	3.05E-03	0.000719	3.42E-05	0.00472	3.43E-07	0.005474
938	490786.72	3860985.12	0.36617	0.44014	0.3496	0.55159	6.67E-04	3.7E-05	0.00186	5.9E-07	0.00256	8.18E-04	4.59E-05	0.002271	3.29E-07	3.13E-03	0.000721	3.53E-05	0.004891	3.4E-07	0.005647
939	490836.72	3860985.12	0.37729	0.44558	0.36126	0.54914	6.88E-04	3.8E-05	0.00192	5.9E-07	0.00265	8.43E-04	4.65E-05	0.002346	3.28E-07	3.24E-03	0.000743	3.57E-05	0.005054	3.39E-07	0.005833
940	490086.72	3861035.12	0.34421	0.40376	0.33451	0.52753	6.27E-04	3.4E-05	0.00178	5.6E-07	0.00244	7.69E-04	4.21E-05	0.002173	3.15E-07	2.98E-03	0.000678	3.24E-05	0.004679	3.25E-07	0.00539
941	490136.72	3861035.12	0.33753	0.40786	0.32922	0.53481	6.15E-04	3.5E-05	0.00175	5.7E-07	0.0024	7.54E-04	4.25E-05	0.002138	3.19E-07	2.94E-03	0.000665	3.27E-05	0.004605	3.3E-07	0.005303
942	490186.72	3861035.12	0.33565	0.4028	0.32672	0.53101	6.12E-04	3.4E-05	0.00174	5.7E-07	0.00238	7.50E-04	4.2E-05	0.002122	3.17E-07	2.91E-03	0.000661	3.23E-05	0.00457	3.27E-07	0.005264
943	490236.72	3861035.12	0.33215	0.40384	0.33187	0.52315	6.05E-04	3.4E-05	0.00176	5.6E-07	0.0024	7.42E-04	4.21E-05	0.002156	3.12E-07	2.94E-03	0.000654	3.24E-05	0.004643	3.23E-07	0.005329
944	490286.72	3861035.12	0.33154	0.40431	0.32449	0.52601	6.04E-04	3.4E-05	0.00172	5.6E-07	0.00236	7.41E-04	4.22E-05	0.002108	3.14E-07	2.89E-03	0.000653	3.24E-05	0.004539	3.24E-07	0.005225
945	490336.72	3861035.12	0.33458	0.3952	0.32524	0.51644	6.10E-04	3.4E-05	0.00173	5.5E-07	0.00237	7.47E-04	4.12E-05	0.002113	3.08E-07	2.90E-03	0.000659	3.17E-05	0.00455	3.18E-07	0.005241
946	490386.72	3861035.12	0.33597	0.40287	0.32123	0.519	6.12E-04	3.4E-05	0.00171	5.5E-07	0.00235	7.50E-04	4.2E-05	0.002086	3.1E-07	2.88E-03	0.000662	3.23E-05	0.004494	3.2E-07	0.005188
947	490436.72	3861035.12	0.33455	0.41381	0.32331	0.52692	6.10E-04	3.5E-05	0.00172	5.6E-07	0.00236	7.47E-04	4.32E-05	0.0021	3.14E-07	2.89E-03	0.000659	3.32E-05	0.004523	3.25E-07	0.005215
948	490486.72	3861035.12	0.34597	0.40768	0.33293	0.51968	6.31E-04	3.5E-05	0.00177	5.5E-07	0.00243	7.73E-04	4.25E-05	0.002162	3.1E-07	2.98E-03	0.000681	3.27E-05	0.004657	3.2E-07	0.005372
949	490536.72	3861035.12	0.35104	0.40576	0.34197	0.50825	6.40E-04	3.5E-05	0.00182	5.4E-07	0.00249	7.84E-04	4.23E-05	0.002221	3.03E-07	3.05E-03	0.000691	3.25E-05	0.004784	3.13E-07	0.005508
950	490586.72	3861035.12	0.35448	0.41244	0.34258	0.51468	6.46E-04	3.5E-05	0.00182	5.5E-07	0.0025	7.92E-04	4.3E-05	0.002225	3.07E-07	3.06E-03	0.000698	3.31E-05	0.004792	3.17E-07	0.005524
951	490636.72	3861035.12	0.36004	0.41221	0.33221	0.53524	6.56E-04	3.5E-05	0.00177	5.7E-07	0.00246	8.04E-04	4.3E-05	0.002158	3.19E-07	3.01E-03	0.000709	3.31E-05	0.004647	3.3E-07	0.00539
952	490686.72	3861035.12	0.35477	0.41809	0.33529	0.55048	6.47E-04	3.6E-05	0.00178	5.9E-07	0.00246	7.92E-04	4.36E-05	0.002178	3.29E-07	3.01E-03	0.000699	3.35E-05	0.00469	3.39E-07	0.005423
953	490736.72	3861035.12	0.35695	0.4195	0.33046	0.54536	6.51E-04	3.6E-05	0.00176	5.8E-07	0.00244	7.97E-04	4.37E-05	0.002146	3.25E-07	2.99E-03	0.000703	3.37E-05	0.004623	3.36E-07	0.00536
954	490786.72	3861035.12	0.35811	0.41889	0.3313	0.54701	6.53E-04	3.6E-05	0.00176	5.8E-07	0.00245	8.00E-04	4.37E-05	0.002152	3.26E-07	3.00E-03	0.000705	3.36E-05	0.004635	3.37E-07	0.005374
955	490836.72	3861035.12	0.35909	0.43202	0.34329	0.54143	6.55E-04	3.7E-05	0.00182	5.8E-07	0.00252	8.02E-04	4.5E-05	0.00223	3.23E-07	3.08E-03	0.000707	3.47E-05	0.004802	3.34E-07	0.005544
956	490086.72	3861085.12	0.33492	0.39624	0.32596	0.52257	6.11E-04	3.4E-05	0.00173	5.6E-07	0.00238	7.48E-04	4.13E-05	0.002117	3.12E-07	2.91E-03	0.00066	3.18E-05	0.00456	3.22E-07	0.005252
957	490136.72	3861085.12	0.338	0.3987	0.33018	0.52066	6.16E-04	3.4E-05	0.00175	5.6E-07	0.0024	7.55E-04	4.16E-05	0.002145	3.11E-07	2.94E-03	0.000666	3.2E-05	0.004619	3.21E-07	0.005317
958	490186.72	3861085.12	0.33338	0.40033	0.3229	0.52926	6.08E-04	3.4E-05	0.00172	5.6E-07	0.00236	7.45E-04	4.17E-05	0.002097	3.16E-07	2.88E-03	0.000657	3.21E-05	0.004517	3.26E-07	0.005206
959	490236.72	3861085.12	0.32979	0.3965	0.32226	0.51864	6.01E-04	3.4E-05	0.00171	5.5E-07	0.00235	7.37E-04	4.13E-05	0.002093	3.1E-07	2.87E-03	0.00065	3.18E-05	0.004508	3.2E-07	0.00519
960	490286.72	3861085.12	0.32693	0.39692	0.32586	0.51214	5.96E-04	3.4E-05	0.00173	5.5E-07	0.00236	7.30E-04	4.14E-05	0.002117	3.06E-07	2.89E-03	0.000644	3.18E-05	0.004558	3.16E-07	0.005234
961	490336.72	3861085.12	0.32609	0.39821	0.31797	0.5163	5.94E-04	3.4E-05	0.00169	5.5E-07	0.00232	7.28E-04	4.15E-05	0.002065	3.08E-07	2.84E-03	0.000642	3.19E-05	0.004448	3.18E-07	0.005123
962	490386.72	3861085.12	0.32954	0.38745	0.32048	0.50967	6.01E-04	3.3E-05	0.0017	5.4E-07	0.00234	7.36E-04	4.04E-05	0.002082	3.04E-07	2.86E-03	0.000649	3.11E-05	0.004483	3.14E-07	0.005164
963	490436.72	3861085.12	0.33008	0.39801	0.31621	0.51121	6.02E-04	3.4E-05	0.00168	5.5E-07	0.00232	7.37E-04	4.15E-05	0.002054	3.05E-07	2.83E-03	0.00065	3.19E-05	0.004423	3.15E-07	0.005106
964	490486.72	3861085.12	0.32841	0.4035	0.31851	0.51657	5.99E-04	3.4E-05	0.00169	5.5E-07	0.00233	7.34E-04	4.21E-05	0.002069	3.08E-07	2.84E-03	0.000647	3.24E-05	0.004456	3.19E-07	0.005135
965	490536.72	3861085.12	0.34055	0.40065	0.3278	0.50893	6.21E-04	3.4E-05	0.00174	5.4E-07	0.0024	7.61E-04	4.18E-05	0.002129	3.04E-07	2.93E-03	0.000671	3.21E-05	0.004586	3.14E-07	0.005289
966	490586.72	3861085.12	0.34443	0.39835	0.33681	0.49707	6.28E-04	3.4E-05	0.00179	5.3E-07	0.00245	7.69E-04	4.15E-05	0.002188	2.97E-07	3.00E-03	0.000678	3.2E-05	0.004712	3.06E-07	0.005422
967	490636.72	3861085.12	0.34775	0.4046	0.33642	0.50628	6.34E-04	3.4E-05	0.00179	5.4E-07	0.00246	7.77E-04	4.22E-05	0.002185	3.02E-07	3.00E-03	0.000685	3.25E-05	0.004706	3.12E-07	0.005424
968	490686.72	3861085.12	0.35278	0.40489	0.32648	0.52569	6.43E-04	3.4E-05	0.00173	5.6E-07	0.00241	7.88E-04	4.22E-05	0.002121	3.14E-07	2.95E-03	0.000695	3.25E-05	0.004567	3.24E-07	0.005295
969	490736.72	3861085.12	0.3469	0.4107	0.32909	0.5403	6.32E-04	3.5E-05	0.00175	5.8E-07	0.00242	7.75E-04	4.28E-05	0.002138	3.22E-07	2.96E-03	0.000683	3.29E-05	0.004604	3.33E-07	0.00532
970	490786.72	3861085.12	0.34967	0.41223	0.32487	0.53515	6.37E-04	3.5E-05	0.00173	5.7E-07	0.0024	7.81E-04	4.3E-05	0.00211	3.19E-07	2.93E-03	0.000689	3.31E-05	0.004545	3.3E-07	0.005267
971	490836.72	3861085.12	0.3511	0.41139	0.32535	0.53734	6.40E-04	3.5E-05	0.00173	5.7E-07	0.0024	7.84E-04	4.29E-05	0.002113	3.21E-07	2.94E-03	0.000691	3.3E-05	0.004551	3.31E-07	0.005276
972	490086.72	3861135.12	0.32284	0.39893	0.32936	0.52183	5.88E-04	3.4E-05	0.00175	5.6E-07	0.00237	7.21E-04	4.16E-05	0.002139	3.11E-07	2.90E-03	0.000636	3.2E-05	0.004607	3.22E-07	0.005276

973	490136.72	3861135.12	0.33136	0.38831	0.32139	0.51281	6.04E-04	3.3E-05	0.00171	5.5E-07	0.00235	7.40E-04	4.05E-05	0.002088	3.06E-07	2.87E-03	0.000653	3.11E-05	0.004496	3.16E-07	0.00518
974	490186.72	3861135.12	0.33062	0.39336	0.32517	0.51483	6.03E-04	3.3E-05	0.00173	5.5E-07	0.00236	7.39E-04	4.1E-05	0.002112	3.07E-07	2.89E-03	0.000651	3.16E-05	0.004549	3.17E-07	0.005232
975	490236.72	3861135.12	0.32707	0.39027	0.31605	0.52109	5.96E-04	3.3E-05	0.00168	5.6E-07	0.00231	7.31E-04	4.07E-05	0.002053	3.11E-07	2.82E-03	0.000644	3.13E-05	0.004421	3.21E-07	0.005097
976	490286.72	3861135.12	0.32421	0.3919	0.31823	0.50549	5.91E-04	3.3E-05	0.00169	5.4E-07	0.00232	7.24E-04	4.09E-05	0.002067	3.02E-07	2.83E-03	0.000639	3.14E-05	0.004452	3.12E-07	0.005122
977	490336.72	3861135.12	0.32258	0.39002	0.32012	0.50406	5.88E-04	3.3E-05	0.0017	5.4E-07	0.00232	7.21E-04	4.07E-05	0.002079	3.01E-07	2.84E-03	0.000635	3.13E-05	0.004478	3.11E-07	0.005145
978	490386.72	3861135.12	0.32124	0.39144	0.31205	0.50657	5.86E-04	3.3E-05	0.00166	5.4E-07	0.00228	7.18E-04	4.08E-05	0.002027	3.02E-07	2.79E-03	0.000633	3.14E-05	0.004365	3.12E-07	0.00503
979	490436.72	3861135.12	0.32387	0.37904	0.31501	0.50158	5.90E-04	3.2E-05	0.00167	5.4E-07	0.0023	7.23E-04	3.95E-05	0.002046	2.99E-07	2.81E-03	0.000638	3.04E-05	0.004407	3.09E-07	0.005075
980	490486.72	3861135.12	0.32367	0.39297	0.31113	0.50338	5.90E-04	3.3E-05	0.00165	5.4E-07	0.00228	7.23E-04	4.1E-05	0.002021	3E-07	2.79E-03	0.000637	3.15E-05	0.004352	3.1E-07	0.005022
981	490536.72	3861135.12	0.32281	0.3935	0.31414	0.50555	5.88E-04	3.3E-05	0.00167	5.4E-07	0.00229	7.21E-04	4.1E-05	0.00204	3.02E-07	2.80E-03	0.000636	3.16E-05	0.004395	3.12E-07	0.005062
982	490586.72	3861135.12	0.33472	0.39298	0.32229	0.49798	6.10E-04	3.3E-05	0.00171	5.3E-07	0.00236	7.48E-04	4.1E-05	0.002093	2.97E-07	2.88E-03	0.000659	3.15E-05	0.004509	3.07E-07	0.0052
983	490636.72	3861135.12	0.33745	0.39104	0.33125	0.48572	6.15E-04	3.3E-05	0.00176	5.2E-07	0.00241	7.54E-04	4.08E-05	0.002152	2.9E-07	2.95E-03	0.000665	3.14E-05	0.004634	2.99E-07	0.00533
984	490686.72	3861135.12	0.34159	0.39748	0.33065	0.4979	6.23E-04	3.4E-05	0.00176	5.3E-07	0.00241	7.63E-04	4.14E-05	0.002148	2.97E-07	2.95E-03	0.000673	3.19E-05	0.004625	3.07E-07	0.00533
985	490736.72	3861135.12	0.34598	0.39865	0.32149	0.51706	6.31E-04	3.4E-05	0.00171	5.5E-07	0.00237	7.73E-04	4.16E-05	0.002088	3.09E-07	2.90E-03	0.000681	3.2E-05	0.004497	3.19E-07	0.005211
986	490786.72	3861135.12	0.3398	0.40411	0.32351	0.53004	6.19E-04	3.4E-05	0.00172	5.7E-07	0.00237	7.59E-04	4.21E-05	0.002101	3.16E-07	2.90E-03	0.000669	3.24E-05	0.004526	3.27E-07	0.005228
987	490836.72	3861135.12	0.34271	0.40527	0.31939	0.52524	6.25E-04	3.4E-05	0.0017	5.6E-07	0.00236	7.66E-04	4.23E-05	0.002075	3.13E-07	2.88E-03	0.000675	3.25E-05	0.004468	3.24E-07	0.005176
988	490086.72	3861185.12	0.31346	0.39624	0.33451	0.50875	5.71E-04	3.4E-05	0.00178	5.4E-07	0.00238	7.00E-04	4.13E-05	0.002173	3.04E-07	2.91E-03	0.000617	3.18E-05	0.004679	3.14E-07	0.005329
989	490136.72	3861185.12	0.31642	0.3894	0.32175	0.51054	5.77E-04	3.3E-05	0.00171	5.4E-07	0.00232	7.07E-04	4.06E-05	0.00209	3.05E-07	2.84E-03	0.000623	3.12E-05	0.004501	3.15E-07	0.005156
990	490186.72	3861185.12	0.3269	0.37926	0.31651	0.5028	5.96E-04	3.2E-05	0.00168	5.4E-07	0.00231	7.30E-04	3.95E-05	0.002056	3E-07	2.83E-03	0.000644	3.04E-05	0.004428	3.1E-07	0.005102
991	490236.72	3861185.12	0.32279	0.38665	0.31885	0.50809	5.88E-04	3.3E-05	0.00169	5.4E-07	0.00232	7.21E-04	4.03E-05	0.002071	3.03E-07	2.83E-03	0.000636	3.1E-05	0.00446	3.13E-07	0.005127
992	490286.72	3861185.12	0.32092	0.38175	0.30987	0.51216	5.85E-04	3.2E-05	0.00165	5.5E-07	0.00226	7.17E-04	3.98E-05	0.002013	3.06E-07	2.77E-03	0.000632	3.06E-05	0.004335	3.16E-07	0.004998
993	490336.72	3861185.12	0.31777	0.38563	0.31325	0.49298	5.79E-04	3.3E-05	0.00166	5.3E-07	0.00228	7.10E-04	4.02E-05	0.002035	2.94E-07	2.78E-03	0.000626	3.09E-05	0.004382	3.04E-07	0.005039
994	490386.72	3861185.12	0.31737	0.38229	0.31384	0.49676	5.79E-04	3.3E-05	0.00167	5.3E-07	0.00228	7.09E-04	3.99E-05	0.002038	2.96E-07	2.79E-03	0.000625	3.07E-05	0.00439	3.06E-07	0.005046
995	490436.72	3861185.12	0.31578	0.38413	0.30565	0.4949	5.76E-04	3.3E-05	0.00162	5.3E-07	0.00223	7.05E-04	4.01E-05	0.001985	2.95E-07	2.73E-03	0.000622	3.08E-05	0.004276	3.05E-07	0.004929
996	490486.72	3861185.12	0.31814	0.37298	0.3096	0.4946	5.80E-04	3.2E-05	0.00164	5.3E-07	0.00226	7.11E-04	3.89E-05	0.002011	2.95E-07	2.76E-03	0.000627	2.99E-05	0.004331	3.05E-07	0.004988
997	490536.72	3861185.12	0.31746	0.38868	0.30623	0.49595	5.79E-04	3.3E-05	0.00163	5.3E-07	0.00224	7.09E-04	4.05E-05	0.001989	2.96E-07	2.74E-03	0.000625	3.12E-05	0.004284	3.06E-07	0.004941
998	490586.72	3861185.12	0.31817	0.38635	0.30989	0.49654	5.80E-04	3.3E-05	0.00165	5.3E-07	0.00226	7.11E-04	4.03E-05	0.002013	2.96E-07	2.76E-03	0.000627	3.1E-05	0.004335	3.06E-07	0.004993
999	490636.72	3861185.12	0.32885	0.38368	0.31677	0.48718	5.99E-04	3.3E-05	0.00168	5.2E-07	0.00232	7.35E-04	4E-05	0.002058	2.91E-07	2.83E-03	0.000648	3.08E-05	0.004431	3E-07	0.00511
1000	490686.72	3861185.12	0.33109	0.38522	0.32574	0.47511	6.04E-04	3.3E-05	0.00173	5.1E-07	0.00237	7.40E-04	4.02E-05	0.002116	2.84E-07	2.90E-03	0.000652	3.09E-05	0.004557	2.93E-07	0.00524
1001	490736.72	3861185.12	0.33596	0.391	0.32417	0.49003	6.12E-04	3.3E-05	0.00172	5.2E-07	0.00237	7.50E-04	4.08E-05	0.002106	2.92E-07	2.90E-03	0.000662	3.14E-05	0.004535	3.02E-07	0.005228
1002	490786.72	3861185.12	0.33928	0.39272	0.31674	0.50879	6.18E-04	3.3E-05	0.00168	5.4E-07	0.00234	7.58E-04	4.1E-05	0.002057	3.04E-07	2.86E-03	0.000668	3.15E-05	0.004431	3.14E-07	0.005131
1003	490836.72	3861185.12	0.33299	0.39795	0.31828	0.52014	6.07E-04	3.4E-05	0.00169	5.5E-07	0.00233	7.44E-04	4.15E-05	0.002067	3.1E-07	2.85E-03	0.000656	3.19E-05	0.004452	3.21E-07	0.00514
1004	490086.72	3861235.12	0.30673	0.38655	0.33111	0.48983	5.59E-04	3.3E-05	0.00176	5.2E-07	0.00235	6.85E-04	4.03E-05	0.002151	2.92E-07	2.88E-03	0.000604	3.1E-05	0.004632	3.02E-07	0.005267
1005	490136.72	3861235.12	0.30865	0.38895	0.32817	0.50298	5.63E-04	3.3E-05	0.00174	5.4E-07	0.00234	6.89E-04	4.06E-05	0.002132	3E-07	2.86E-03	0.000608	3.12E-05	0.004591	3.1E-07	0.00523
1006	490186.72	3861235.12	0.31269	0.38081	0.31539	0.49775	5.70E-04	3.2E-05	0.00168	5.3E-07	0.00228	6.98E-04	3.97E-05	0.002049	2.97E-07	2.79E-03	0.000616	3.05E-05	0.004412	3.07E-07	0.005059
1007	490236.72	3861235.12	0.32177	0.37368	0.3114	0.49571	5.87E-04	3.2E-05	0.00165	5.3E-07	0.00227	7.19E-04	3.9E-05	0.002023	2.96E-07	2.78E-03	0.000634	3E-05	0.004356	3.06E-07	0.00502
1008	490386.72	3861235.12	0.31123	0.37913	0.30868	0.48238	5.67E-04	3.2E-05	0.00164	5.1E-07	0.00224	6.95E-04	3.95E-05	0.002005	2.88E-07	2.74E-03	0.000613	3.04E-05	0.004318	2.97E-07	0.004962
1009	490436.72	3861235.12	0.31166	0.37446	0.30751	0.4902	5.68E-04	3.2E-05	0.00163	5.2E-07	0.00223	6.96E-04	3.9E-05	0.001997	2.93E-07	2.73E-03	0.000614	3E-05	0.004302	3.02E-07	0.004946
1010	490486.72	3861235.12	0.30914	0.37412	0.29858	0.48311	5.64E-04	3.2E-05	0.00159	5.2E-07	0.00218	6.91E-04	3.9E-05	0.001939	2.88E-07	2.67E-03	0.000609	3E-05	0.004177	2.98E-07	0.004816
1011	490536.72	3861235.12	0.31262	0.36975	0.30485	0.48767	5.70E-04	3.1E-05	0.00162	5.2E-07	0.00222	6.98E-04	3.86E-05	0.00198	2.91E-07	2.72E-03	0.000616	2.97E-05	0.004265	3.01E-07	0.00491
1012	490586.72	3861235.12	0.31142	0.38399	0.30068	0.4876	5.68E-04	3.3E-05	0.0016	5.2E-07	0.0022	6.96E-04	4E-05	0.001953	2.91E-07	2.69E-03	0.000613	3.08E-05	0.004206	3.01E-07	0.004851
1013	490636.72	3861235.12	0.31245	0.37858	0.30476	0.48481	5.70E-04	3.2E-05	0.00162	5.2E-07	0.00222	6.98E-04	3.95E-05	0.00198	2.89E-07	2.72E-03	0.000615	3.04E-05	0.004263	2.99E-07	0.004909
1014	490686.72	3861235.12	0.32343	0.37584	0.31183	0.47713	5.90E-04	3.2E-05	0.00166	5.1E-07	0.00228	7.22E-04	3.92E-05	0.002025	2.85E-07	2.79E-03	0.000637	3.01E-05	0.004362	2.94E-07	0.00503
1015	490736.72	3861235.12	0.32558	0.38035	0.32096	0.46544	5.93E-04	3.2E-05	0.00171	5E-07	0.00233	7.27E-04	3.97E-05	0.002085	2.78E-07	2.85E-03	0.000641	3.05E-05	0.00449	2.87E-07	0.005162
1016	490786.72	3861235.12	0.33072	0.385	0.31808	0.48255	6.03E-04	3.3E-05	0.00169	5.1E-07	0.00233	7.39E-04	4.01E-05	0.002066	2.88E-07	2.85E-03	0.000651	3.09E-05	0.00445	2.98E-07	0.005132
1017	490836.72	3861235.12	0.33274	0.38689	0.31206	0.50069	6.07E-04	3.3E-05	0.00166	5.3E-07	0.0023	7.43E-04	4.03E-05	0.002027	2.99E-07	2.81E-03	0.000655	3.1E-05	0.004365	3.09E-07	0.005052
1018	490086.72	3861285.12	0.30737	0.38353	0.32513	0.48265	5.60E-04	3.3E-05	0.00173	5.1E-07	0.00232	6.87E-04	4E-05	0.002112	2.88E-07	2.84E-03	0.000605	3.08E-05	0.004548	2.98E-07	0.005185
1019	490136.72	3861285.12	0.30321	0.38186	0.32629	0.48299	5.53E-04	3.2E-05	0.00173	5.2E-07	0.00232	6.77E-04	3.98E-05	0.002119	2.88E-07	2.84E-03	0.000597	3.06E-05	0.004564	2.98E-07	0.005193
1020	490186.72	3861285.12	0.30462	0.38283	0.32258	0.49744	5.55E-04	3.3E-05	0.00171	5.3E-07	0.0023	6.80E-04	3.99E-05	0.002095	2.97E-07	2.82E-03	0.0006	3.07E-05	0.004513	3.07E-07	0.005144
1021	490236.72	3861285.12	0.30958	0.37138	0.30855	0.48725	5.64E-04	3.2E-05	0.00164	5.2E-07	0.00224	6.92E-04	3.87E-05	0.002004	2.91E-07	2.73E-03	0.00061	2.98E-05	0.004316	3E-07	0.004956
1022	490386.72	3861285.12	0.30777	0.36695	0.29875	0.48806	5.61E-04	3.1E-05	0.00159	5.2E-07	0.00218	6.87E-04	3.83E-05	0.00194	2.91E-07	2.67E-03	0.000606	2.94E-05	0.004179	3.01E-07	0.004815
1023	490436.72	3861285.12	0.30596	0.37362	0.30449	0.4727	5.58E-04	3.2E-05	0.00162	5E-07	0.00221	6.83E-04	3.9E-05	0.001978	2.82E-07	2.70E-03	0.000603	3E-05	0.00426	2.91E-07	0.004892
1024	490486.72	3861285.12	0.30683	0.36784	0.30144	0.48392	5.59E-04	3.1E-05	0.0016	5.2E-07	0.00219	6.85E-04	3.84E-05	0.001958	2.89E-07	2.68E-03	0.000604	2.95E-05	0.004217	2.98E-07	0.004851
1025	490536.72	3861285.12	0.30349	0.36617	0.29386	0.47294	5.53E-04	3.1E-05	0.00156	5E-07	0.00215	6.78E-04	3.82E-05	0.001909	2.82E-07	2.63E-03	0.000598	2.94E-05	0.004111	2.92E-07	0.004738
1026	490586.72	3861285.12	0.30601	0.36544	0.29902	0.47837	5.58E-04	3.1E-05	0.00159	5.1E-07	0.00218	6.84E-04	3.81E-05	0.001942	2.86E-07	2.66E-03	0.000603	2.93E-05	0.004183	2.95E-07	0.004815
1027	490636.72	3861285.12	0.30304	0.37653	0.29326	0.47703	5.52E-04	3.2E-05	0.00156	5.1E-07	0.00214	6.77E-04	3.93E-05	0.001905	2.85E-07	2.62E-03	0.000597	3.02E-05	0.004102	2.94E-07	0.00473
1028	490686.72	3861285.12	0.30746	0.37178	0.29971	0.47399	5.60E-04	3.2E-05	0.00159	5.1E-07	0.00219	6.87E-04	3.88E-05	0.001947	2.83E-07	2.67E-03	0.000606	2.98E-05	0.004193	2.92E-07	0.004828
1029	490736.72	3861285.12	0.3188	0.3697	0.30776	0.46873	5.81E-04	3.1E-05	0.00164	5E-07	0.00225	7.12E-04	3.86E-05	0.001999	2.8E-07	2.75E-03	0.000628	2.97E-05	0.004305	2.89E-07	0.004963
1030	490786.72	3861285.12	0.32006	0.37468	0.31585	0.45596	5.83E-04	3.2E-05	0.00168	4.9E-07	0.00229	7.15E-04	3.91E-05	0.002052	2.72E-07	2.81E-03	0.00063	3.01E-05	0.004418	2.81E-07	0.005079
1031	490836.72	3861285.12	0.32467	0.37792	0.31119	0.47441	5.92E-04	3.2E-05	0.00165	5.1E-07	0.00228	7.25E-04	3.94E-05	0.002021	2.83E-07	2.79E-03	0.000639	3.03E-05	0.004353	2.93E-07	0.005023
1032	490061.24	3859716.13	0.56515	0.66423	0.51948	0.85425	1.03E-03	5.7E-05	0.00276	9.1E-07	0.00385	1.26E-03	6.93E-05	0.003374	5.1E-07	4.71E-03	0.001113	5.33E-05	0.007267	5.27E-07	0.008434
1033	490111.24	3859716.13	0.56867	0.6578	0.5117	0.83697	1.04E-03	5.6E-05	0.00272	8.9E-07	0.00381	1.27E-03	6.86E-05	0.003324	5E-07	4.66E-03	0.00112	5.28E-05	0.007158	5.16E-07	0.008331

1034	490161.24	3859716.13	0.5449	0.64132	0.50371	0.81332	9.93E-04	5.5E-05	0.00268	8.7E-07	0.00373	1.22E-03	6.69E-05	0.003272	4.85E-07	4.56E-03	0.001073	5.14E-05	0.007046	5.01E-07	0.008172
1035	490211.24	3859716.13	0.52529	0.63007	0.49362	0.79908	9.58E-04	5.4E-05	0.00262	8.5E-07	0.00363	1.17E-03	6.57E-05	0.003206	4.77E-07	4.45E-03	0.001035	5.05E-05	0.006905	4.93E-07	0.007991
1036	490061.24	3859766.13	0.57395	0.65709	0.51561	0.85094	1.05E-03	5.6E-05	0.00274	9.1E-07	0.00384	1.28E-03	6.85E-05	0.003349	5.08E-07	4.70E-03	0.00113	5.27E-05	0.007213	5.25E-07	0.008396
1037	490111.24	3859766.13	0.55176	0.64647	0.50825	0.83053	1.01E-03	5.5E-05	0.0027	8.9E-07	0.00376	1.23E-03	6.74E-05	0.003301	4.96E-07	4.60E-03	0.001087	5.19E-05	0.00711	5.12E-07	0.008249
1038	490161.24	3859766.13	0.54446	0.6443	0.4991	0.8119	9.92E-04	5.5E-05	0.00265	8.7E-07	0.0037	1.22E-03	6.72E-05	0.003242	4.85E-07	4.53E-03	0.001072	5.17E-05	0.006982	5.01E-07	0.008106
1039	490211.24	3859766.13	0.53493	0.62771	0.49258	0.80396	9.75E-04	5.3E-05	0.00262	8.6E-07	0.00365	1.19E-03	6.55E-05	0.003199	4.8E-07	4.46E-03	0.001054	5.04E-05	0.006891	4.96E-07	0.007995
1040	490061.24	3859816.13	0.56855	0.63702	0.51396	0.83313	1.04E-03	5.4E-05	0.00273	8.9E-07	0.00382	1.27E-03	6.64E-05	0.003338	4.97E-07	4.68E-03	0.00112	5.11E-05	0.00719	5.14E-07	0.008361
1041	490111.24	3859816.13	0.56069	0.63775	0.50455	0.82731	1.02E-03	5.4E-05	0.00268	8.8E-07	0.00376	1.25E-03	6.65E-05	0.003277	4.94E-07	4.60E-03	0.001104	5.12E-05	0.007058	5.1E-07	0.008214
1042	490161.24	3859816.13	0.54078	0.62956	0.49697	0.80872	9.86E-04	5.4E-05	0.00264	8.6E-07	0.00368	1.21E-03	6.56E-05	0.003228	4.83E-07	4.50E-03	0.001065	5.05E-05	0.006952	4.99E-07	0.008068
1043	490211.24	3859816.13	0.52103	0.62663	0.48833	0.79014	9.50E-04	5.3E-05	0.00259	8.4E-07	0.0036	1.16E-03	6.53E-05	0.003172	4.72E-07	4.40E-03	0.001026	5.03E-05	0.006831	4.87E-07	0.007908
1044	490061.24	3859866.13	0.54626	0.64961	0.523	0.85679	9.96E-04	5.5E-05	0.00278	9.1E-07	0.00383	1.22E-03	6.77E-05	0.003397	5.11E-07	4.69E-03	0.001076	5.21E-05	0.007316	5.28E-07	0.008445
1045	490111.24	3859866.13	0.55308	0.62403	0.50644	0.8165	1.01E-03	5.3E-05	0.00269	8.7E-07	0.00375	1.24E-03	6.51E-05	0.003289	4.87E-07	4.59E-03	0.001089	5.01E-05	0.007085	5.03E-07	0.008224
1046	490161.24	3859866.13	0.54597	0.62341	0.49468	0.80717	9.95E-04	5.3E-05	0.00263	8.6E-07	0.00368	1.22E-03	6.5E-05	0.003213	4.82E-07	4.50E-03	0.001075	5E-05	0.00692	4.98E-07	0.008046
1047	490211.24	3859866.13	0.52947	0.61526	0.48982	0.79597	9.65E-04	5.2E-05	0.0026	8.5E-07	0.00362	1.18E-03	6.42E-05	0.003182	4.75E-07	4.43E-03	0.001043	4.94E-05	0.006852	4.91E-07	0.007945
1048	490061.24	3859916.13	0.54719	0.64851	0.51565	0.8834	9.97E-04	5.5E-05	0.00274	9.4E-07	0.00379	1.22E-03	6.76E-05	0.003349	5.27E-07	4.64E-03	0.001078	5.2E-05	0.007213	5.45E-07	0.008344
1049	490111.24	3859916.13	0.52943	0.63516	0.51307	0.83924	9.65E-04	5.4E-05	0.00273	9E-07	0.00375	1.18E-03	6.62E-05	0.003333	5.01E-07	4.58E-03	0.001043	5.1E-05	0.007177	5.17E-07	0.008271
1050	490161.24	3859916.13	0.53413	0.61384	0.49802	0.80108	9.74E-04	5.2E-05	0.00265	8.5E-07	0.00367	1.19E-03	6.4E-05	0.003235	4.78E-07	4.49E-03	0.001052	4.92E-05	0.006967	4.94E-07	0.008068
1051	490211.24	3859916.13	0.5285	0.60641	0.48542	0.78717	9.63E-04	5.2E-05	0.00258	8.4E-07	0.00359	1.18E-03	6.32E-05	0.003153	4.7E-07	4.40E-03	0.001041	4.86E-05	0.006791	4.85E-07	0.007881
1052	490229.25	3859815.26	0.52474	0.6259	0.48782	0.78892	9.57E-04	5.3E-05	0.00259	8.4E-07	0.0036	1.17E-03	6.53E-05	0.003169	4.71E-07	4.41E-03	0.001033	5.02E-05	0.006824	4.86E-07	0.007908
1053	490279.25	3859815.26	0.51529	0.60716	0.48097	0.77385	9.39E-04	5.2E-05	0.00256	8.3E-07	0.00355	1.15E-03	6.33E-05	0.003124	4.62E-07	4.34E-03	0.001015	4.87E-05	0.006728	4.77E-07	0.007792
1054	490329.25	3859815.26	0.49173	0.59543	0.46931	0.75251	8.96E-04	5.1E-05	0.00249	8E-07	0.00344	1.10E-03	6.21E-05	0.003048	4.49E-07	4.21E-03	0.000968	4.78E-05	0.006565	4.64E-07	0.007582
1055	490379.25	3859815.26	0.48458	0.59324	0.46511	0.74377	8.83E-04	5E-05	0.00247	7.9E-07	0.00341	1.08E-03	6.19E-05	0.003021	4.44E-07	4.17E-03	0.000954	4.76E-05	0.006506	4.59E-07	0.007509
1056	490429.25	3859815.26	0.47099	0.61114	0.46875	0.75009	8.59E-04	5.2E-05	0.00249	8E-07	0.0034	1.05E-03	6.37E-05	0.003045	4.48E-07	4.16E-03	0.000928	4.9E-05	0.006557	4.62E-07	0.007534
1057	490229.25	3859865.26	0.52154	0.61325	0.485	0.78619	9.51E-04	5.2E-05	0.00258	8.4E-07	0.00358	1.16E-03	6.39E-05	0.00315	4.69E-07	4.38E-03	0.001027	4.92E-05	0.006785	4.85E-07	0.007861
1058	490279.25	3859865.26	0.50261	0.61106	0.47657	0.76613	9.16E-04	5.2E-05	0.00253	8.2E-07	0.0035	1.12E-03	6.37E-05	0.003095	4.57E-07	4.28E-03	0.00099	4.9E-05	0.006667	4.72E-07	0.007706
1059	490329.25	3859865.26	0.50361	0.5968	0.47059	0.7641	9.18E-04	5.1E-05	0.0025	8.2E-07	0.00347	1.12E-03	6.22E-05	0.003057	4.56E-07	4.24E-03	0.000992	4.79E-05	0.006583	4.71E-07	0.007623
1060	490379.25	3859865.26	0.48301	0.58119	0.4612	0.73139	8.80E-04	4.9E-05	0.00245	7.8E-07	0.00338	1.08E-03	6.06E-05	0.002996	4.37E-07	4.14E-03	0.000951	4.66E-05	0.006452	4.51E-07	0.00745
1061	490429.25	3859865.26	0.47288	0.57444	0.45447	0.72708	8.62E-04	4.9E-05	0.00241	7.8E-07	0.00333	1.06E-03	5.99E-05	0.002952	4.34E-07	4.07E-03	0.000931	4.61E-05	0.006358	4.48E-07	0.007335
1062	490229.25	3859915.26	0.52927	0.60626	0.48427	0.78701	9.65E-04	5.2E-05	0.00257	8.4E-07	0.00359	1.18E-03	6.32E-05	0.003145	4.7E-07	4.39E-03	0.001042	4.86E-05	0.006774	4.85E-07	0.007866
1063	490279.25	3859915.26	0.50983	0.59634	0.4748	0.76957	9.29E-04	5.1E-05	0.00252	8.2E-07	0.0035	1.14E-03	6.22E-05	0.003084	4.59E-07	4.29E-03	0.001004	4.78E-05	0.006642	4.74E-07	0.007694
1064	490329.25	3859915.26	0.48503	0.59209	0.46623	0.7455	8.84E-04	5E-05	0.00248	8E-07	0.00341	1.08E-03	6.17E-05	0.003028	4.45E-07	4.17E-03	0.000955	4.75E-05	0.006522	4.6E-07	0.007525
1065	490379.25	3859915.26	0.48752	0.58377	0.46138	0.74293	8.89E-04	5E-05	0.00245	7.9E-07	0.00339	1.09E-03	6.09E-05	0.002997	4.43E-07	4.15E-03	0.00096	4.68E-05	0.006454	4.58E-07	0.007462
1066	490429.25	3859915.26	0.47385	0.56849	0.45453	0.71201	8.64E-04	4.8E-05	0.00242	7.6E-07	0.00333	1.06E-03	5.93E-05	0.002952	4.25E-07	4.07E-03	0.000933	4.56E-05	0.006358	4.39E-07	0.007338
1067	490451.43	3859872.59	0.46873	0.57449	0.45328	0.72151	8.54E-04	4.9E-05	0.00241	7.7E-07	0.00331	1.05E-03	5.99E-05	0.002944	4.31E-07	4.05E-03	0.000923	4.61E-05	0.006341	4.45E-07	0.007311
1068	490501.43	3859872.59	0.4565	0.59409	0.45557	0.72372	8.32E-04	5.1E-05	0.00242	7.7E-07	0.0033	1.02E-03	6.2E-05	0.002959	4.32E-07	4.04E-03	0.000899	4.77E-05	0.006373	4.46E-07	0.00732
1069	490551.43	3859872.59	0.45755	0.58362	0.45969	0.72439	8.34E-04	5E-05	0.00244	7.7E-07	0.00333	1.02E-03	6.09E-05	0.002986	4.32E-07	4.07E-03	0.000901	4.68E-05	0.006431	4.47E-07	0.007379
1070	490601.43	3859872.59	0.46111	0.56762	0.4405	0.68872	8.41E-04	4.8E-05	0.00234	7.3E-07	0.00323	1.03E-03	5.92E-05	0.002861	4.11E-07	3.95E-03	0.000908	4.55E-05	0.006162	4.25E-07	0.007116
1071	490451.43	3859922.59	0.46638	0.56372	0.44836	0.70804	8.50E-04	4.8E-05	0.00238	7.6E-07	0.00328	1.04E-03	5.88E-05	0.002912	4.23E-07	4.01E-03	0.000919	4.52E-05	0.006272	4.37E-07	0.007236
1072	490501.43	3859922.59	0.45567	0.55781	0.44292	0.70532	8.31E-04	4.7E-05	0.00235	7.5E-07	0.00323	1.02E-03	5.82E-05	0.002877	4.21E-07	3.95E-03	0.000897	4.47E-05	0.006196	4.35E-07	0.007139
1073	490551.43	3859922.59	0.45065	0.57319	0.44504	0.70628	8.21E-04	4.9E-05	0.00236	7.5E-07	0.00324	1.01E-03	5.98E-05	0.002891	4.22E-07	3.96E-03	0.000888	4.6E-05	0.006226	4.35E-07	0.00716
1074	490601.43	3859922.59	0.44548	0.58079	0.45199	0.70646	8.12E-04	4.9E-05	0.0024	7.5E-07	0.00326	9.95E-04	6.06E-05	0.002936	4.22E-07	3.99E-03	0.000877	4.66E-05	0.006323	4.36E-07	0.007247
1075	482129.67	3852241.07	0.4599	0.50259	0.51467	0.48614	8.38E-04	4.3E-05	0.00273	5.2E-07	0.00362	1.03E-03	5.24E-05	0.003343	2.9E-07	4.42E-03	0.000906	4.03E-05	0.0072	3E-07	0.008146
1076	482029.67	3852291.07	0.45883	0.56432	0.50059	0.48219	8.36E-04	4.8E-05	0.00266	5.1E-07	0.00354	1.02E-03	5.88E-05	0.003251	2.88E-07	4.34E-03	0.000904	4.53E-05	0.007003	2.97E-07	0.007952
1077	482079.67	3852291.07	0.46397	0.54525	0.49952	0.47799	8.46E-04	4.6E-05	0.00265	5.1E-07	0.00355	1.04E-03	5.69E-05	0.003245	2.85E-07	4.34E-03	0.000914	4.37E-05	0.006988	2.95E-07	0.007946
1078	482129.67	3852291.07	0.46331	0.51419	0.51013	0.47219	8.45E-04	4.4E-05	0.00271	5E-07	0.0036	1.03E-03	5.36E-05	0.003313	2.82E-07	4.40E-03	0.000912	4.12E-05	0.007136	2.91E-07	0.00809
1079	482179.67	3852291.07	0.46849	0.51612	0.52653	0.49392	8.54E-04	4.4E-05	0.0028	5.3E-07	0.0037	1.05E-03	5.38E-05	0.00342	2.95E-07	4.52E-03	0.000923	4.14E-05	0.007366	3.05E-07	0.00833
1080	482229.67	3852291.07	0.46776	0.50502	0.54491	0.49277	8.53E-04	4.3E-05	0.0029	5.3E-07	0.00379	1.04E-03	5.27E-05	0.003539	2.94E-07	4.64E-03	0.000921	4.05E-05	0.007623	3.04E-07	0.008585
1081	482029.67	3852341.07	0.46575	0.56552	0.49546	0.48267	8.49E-04	4.8E-05	0.00263	5.1E-07	0.00353	1.04E-03	5.9E-05	0.003218	2.88E-07	4.32E-03	0.000917	4.54E-05	0.006931	2.98E-07	0.007894
1082	482079.67	3852341.07	0.47317	0.5769	0.50954	0.49441	8.63E-04	4.9E-05	0.00271	5.3E-07	0.00362	1.06E-03	6.02E-05	0.00331	2.95E-07	4.43E-03	0.000932	4.63E-05	0.007128	3.05E-07	0.008106
1083	482129.67	3852341.07	0.47207	0.54947	0.51106	0.48946	8.61E-04	4.7E-05	0.00272	5.2E-07	0.00362	1.05E-03	5.73E-05	0.003319	2.92E-07	4.43E-03	0.00093	4.41E-05	0.007149	3.02E-07	0.008123
1084	482179.67	3852341.07	0.4712	0.51926	0.52182	0.48136	8.59E-04	4.4E-05	0.00277	5.1E-07	0.00368	1.05E-03	5.41E-05	0.003389	2.87E-07	4.50E-03	0.000928	4.17E-05	0.0073	2.97E-07	0.00827
1085	482259.06	3852400.14	0.48176	0.53148	0.54272	0.50847	8.78E-04	4.5E-05	0.00288	5.4E-07	0.00381	1.08E-03	5.54E-05	0.003525	3.03E-07	4.66E-03	0.000949	4.26E-05	0.007592	3.14E-07	0.008584
1086	482309.06	3852400.14	0.48392	0.5289	0.55867	0.53106	8.82E-04	4.5E-05	0.00297	5.7E-07	0.0039	1.08E-03	5.52E-05	0.003629	3.17E-07	4.77E-03	0.000953	4.24E-05	0.007815	3.27E-07	0.008811
1087	482209.06	3852450.14	0.48603	0.57519	0.52054	0.51896	8.86E-04	4.9E-05	0.00277	5.5E-07	0.0037	1.09E-03	6E-05	0.003381	3.1E-07	4.53E-03	0.000957	4.61E-05	0.007282	3.2E-07	0.008286
1088	482259.06	3852450.14	0.48596	0.54155	0.53483	0.51178	8.86E-04	4.6E-05	0.00284	5.5E-07	0.00377	1.09E-03	5.65E-05	0.003474	3.05E-07	4.62E-03	0.000957	4.34E-05	0.007482	3.16E-07	0.008483
1089	482309.06	3852450.14	0.4931	0.55035	0.55861	0.51625	8.99E-04	4.7E-05	0.00297	5.5E-07	0.00391	1.10E-03	5.74E-05	0.003628	3.08E-07	4.79E-03	0.000971	4.41E-05	0.007814	3.18E-07	0.00883
1090	482209.06	3852500.14	0.50118	0.60819	0.54314	0.54033	9.14E-04	5.2E-05	0.00289	5.8E-07	0.00385	1.12E-03	6.34E-05	0.003528	3.22E-07	4.71E-03	0.000987	4.88E-05	0.007598	3.33E-07	0.008634
1091	482259.06	3852500.14	0.49754	0.58194	0.53236	0.5296	9.07E-04	5E-05	0.00283	5.6E-07	0.00379	1.11E-03	6.07E-05	0.003458	3.16E-07	4.63E-03	0.00098	4.67E-05	0.007447	3.27E-07	0.008474
1092	482309.06	3852500.14	0.4963	0.55595	0.54676	0.51944	9.05E-04	4.7E-05	0.00291	5.5E-07	0.00386	1.11E-03	5.8E-05	0.003551	3.1E-07	4.72E-03	0.000977	4.46E-05	0.007649	3.2E-07	0.008671
1093	482283.91	3852513.62	0.50089	0.57553	0.54165	0.53306	9.13E-04	4.9E-05	0.00288	5.7E-07	0.00384	1.12E-03	6E-05	0.003518	3.18E-07	4.70E-03	0.000986	4.62E-05	0.007577	3.29E-07	0.00861
1094	482333.91	3852513.62	0.49788	0.56161	0.55667	0.52279	9.08E-04	4.8E-05	0.00296	5.6E-07	0.00391	1.11E-03	5.86E-05	0.003616	3.12E-07	4.79E-03	0.000981	4.51E-05	0.007787	3.22E-07	0.008813

1095	482283.91	3852563.62	0.51458	0.61586	0.55938	0.55922	9.38E-04	5.2E-05	0.00297	6E-07	0.00396	1.15E-03	6.42E-05	0.003633	3.34E-07	4.85E-03	0.001013	4.94E-05	0.007825	3.45E-07	0.008888
1096	482333.91	3852563.62	0.50723	0.58319	0.55404	0.54771	9.25E-04	5E-05	0.00294	5.8E-07	0.00392	1.13E-03	6.08E-05	0.003599	3.27E-07	4.79E-03	0.000999	4.68E-05	0.00775	3.38E-07	0.008797
1097	482383.91	3852563.62	0.50433	0.57336	0.56925	0.54002	9.19E-04	4.9E-05	0.00302	5.8E-07	0.00399	1.13E-03	5.98E-05	0.003697	3.22E-07	4.88E-03	0.000993	4.6E-05	0.007963	3.33E-07	0.009003
1098	482283.91	3852613.62	0.52537	0.63847	0.55398	0.53301	9.58E-04	5.4E-05	0.00294	5.7E-07	0.00396	1.17E-03	6.66E-05	0.003598	3.18E-07	4.84E-03	0.001035	5.12E-05	0.00775	3.29E-07	0.008836
1099	482333.91	3852613.62	0.522	0.62251	0.57078	0.5725	9.52E-04	5.3E-05	0.00303	6.1E-07	0.00404	1.17E-03	6.49E-05	0.003707	3.42E-07	4.94E-03	0.001028	4.99E-05	0.007985	3.53E-07	0.009063
1100	482383.91	3852613.62	0.51785	0.58669	0.56656	0.56304	9.44E-04	5E-05	0.00301	6E-07	0.004	1.16E-03	6.12E-05	0.00368	3.36E-07	4.90E-03	0.00102	4.71E-05	0.007926	3.47E-07	0.008993
1101	482602.38	3852600.87	0.50012	0.55729	0.55838	0.54161	9.12E-04	4.7E-05	0.00297	5.8E-07	0.00393	1.12E-03	5.81E-05	0.003627	3.23E-07	4.80E-03	0.000985	4.47E-05	0.007811	3.34E-07	0.008841
1102	482652.38	3852600.87	0.50454	0.55989	0.53956	0.55561	9.20E-04	4.8E-05	0.00287	5.9E-07	0.00383	1.13E-03	5.84E-05	0.003505	3.32E-07	4.69E-03	0.000994	4.49E-05	0.007548	3.43E-07	0.008587
1103	482702.38	3852600.87	0.51646	0.56817	0.54596	0.48425	9.41E-04	4.8E-05	0.0029	5.2E-07	0.00389	1.15E-03	5.92E-05	0.003546	2.89E-07	4.76E-03	0.001017	4.56E-05	0.007637	2.99E-07	0.0087
1104	482552.38	3852650.87	0.52234	0.58065	0.62748	0.58276	9.52E-04	4.9E-05	0.00333	6.2E-07	0.00434	1.17E-03	6.05E-05	0.004076	3.48E-07	5.30E-03	0.001029	4.66E-05	0.008778	3.59E-07	0.009853
1105	482602.38	3852650.87	0.52444	0.58204	0.60552	0.55219	9.56E-04	5E-05	0.00322	5.9E-07	0.00422	1.17E-03	6.07E-05	0.003933	3.3E-07	5.17E-03	0.001033	4.67E-05	0.008471	3.4E-07	0.009551
1106	482652.38	3852650.87	0.51076	0.56479	0.5654	0.55936	9.31E-04	4.8E-05	0.003	6E-07	0.00398	1.14E-03	5.89E-05	0.003672	3.34E-07	4.87E-03	0.001006	4.53E-05	0.007909	3.45E-07	0.008961
1107	482702.38	3852650.87	0.5278	0.57225	0.5455	0.57384	9.62E-04	4.9E-05	0.0029	6.1E-07	0.00391	1.18E-03	5.97E-05	0.003543	3.42E-07	4.78E-03	0.001039	4.59E-05	0.007631	3.54E-07	0.008717
1108	482552.38	3852700.87	0.53933	0.60607	0.63675	0.57627	9.83E-04	5.2E-05	0.00338	6.1E-07	0.00442	1.20E-03	6.32E-05	0.004136	3.44E-07	5.40E-03	0.001062	4.86E-05	0.008907	3.55E-07	0.010019
1109	482602.38	3852700.87	0.53357	0.58895	0.63787	0.59251	9.73E-04	5E-05	0.00339	6.3E-07	0.00441	1.19E-03	6.14E-05	0.004143	3.54E-07	5.40E-03	0.001051	4.72E-05	0.008923	3.65E-07	0.010022
1110	482652.38	3852700.87	0.53117	0.57973	0.60741	0.57609	9.68E-04	4.9E-05	0.00323	6.1E-07	0.00425	1.19E-03	6.05E-05	0.003945	3.44E-07	5.19E-03	0.001046	4.65E-05	0.008497	3.55E-07	0.00959
1111	482702.38	3852700.87	0.533	0.56951	0.57384	0.58151	9.72E-04	4.8E-05	0.00305	6.2E-07	0.00407	1.19E-03	5.94E-05	0.003727	3.47E-07	4.98E-03	0.00105	4.57E-05	0.008027	3.59E-07	0.009123
1112	482452.38	3852750.87	0.54847	0.66087	0.60957	0.6006	1.00E-03	5.6E-05	0.00324	6.4E-07	0.0043	1.23E-03	6.89E-05	0.003959	3.58E-07	5.25E-03	0.00108	5.3E-05	0.008527	3.7E-07	0.009661
1113	482521.29	3852749.74	0.5505	0.63143	0.60394	0.59863	1.00E-03	5.4E-05	0.00321	6.4E-07	0.00427	1.23E-03	6.58E-05	0.003923	3.57E-07	5.22E-03	0.001084	5.07E-05	0.008449	3.69E-07	0.009584
1114	482571.29	3852749.74	0.53898	0.62442	0.63283	0.58627	9.82E-04	5.3E-05	0.00336	6.3E-07	0.0044	1.20E-03	6.51E-05	0.00411	3.5E-07	5.38E-03	0.001062	5.01E-05	0.008853	3.61E-07	0.009965
1115	482521.29	3852799.74	0.55697	0.65437	0.61573	0.6174	1.02E-03	5.6E-05	0.00327	6.6E-07	0.00434	1.24E-03	6.82E-05	0.003999	3.68E-07	5.31E-03	0.001097	5.25E-05	0.008613	3.81E-07	0.009763
1116	482571.29	3852799.74	0.55688	0.64684	0.61671	0.61594	1.02E-03	5.5E-05	0.00328	6.6E-07	0.00435	1.24E-03	6.75E-05	0.004006	3.68E-07	5.32E-03	0.001097	5.19E-05	0.008627	3.8E-07	0.009776
1117	482621.29	3852799.74	0.54975	0.63589	0.65024	0.5994	1.00E-03	5.4E-05	0.00345	6.4E-07	0.00451	1.23E-03	6.63E-05	0.004224	3.58E-07	5.52E-03	0.001083	5.1E-05	0.009096	3.7E-07	0.01023
1118	482571.29	3852849.74	0.57016	0.66133	0.62916	0.63043	1.04E-03	5.6E-05	0.00334	6.7E-07	0.00444	1.27E-03	6.9E-05	0.004087	3.76E-07	5.43E-03	0.001123	5.31E-05	0.008801	3.89E-07	0.009978
1119	482621.29	3852849.74	0.56867	0.66593	0.63304	0.62984	1.04E-03	5.7E-05	0.00336	6.7E-07	0.00446	1.27E-03	6.94E-05	0.004112	3.76E-07	5.45E-03	0.00112	5.34E-05	0.008856	3.88E-07	0.010029
1120	482577.42	3852901.55	0.58376	0.71599	0.64081	0.61497	1.06E-03	6.1E-05	0.0034	6.6E-07	0.00453	1.30E-03	7.47E-05	0.004162	3.67E-07	5.54E-03	0.00115	5.74E-05	0.008964	3.79E-07	0.010172
1121	482627.42	3852901.55	0.58719	0.68533	0.64326	0.64118	1.07E-03	5.8E-05	0.00342	6.8E-07	0.00455	1.31E-03	7.15E-05	0.004178	3.83E-07	5.56E-03	0.001156	5.5E-05	0.008999	3.95E-07	0.01021
1122	482629.96	3852955.85	0.60474	0.73002	0.65871	0.6291	1.10E-03	6.2E-05	0.0035	6.7E-07	0.00466	1.35E-03	7.61E-05	0.004279	3.75E-07	5.71E-03	0.001191	5.86E-05	0.009215	3.88E-07	0.010465
1123	482679.96	3852955.85	0.61186	0.70998	0.66083	0.65819	1.12E-03	6E-05	0.00351	7E-07	0.00469	1.37E-03	7.4E-05	0.004292	3.93E-07	5.73E-03	0.001205	5.7E-05	0.009244	4.06E-07	0.010507
1124	482781.63	3853034.48	0.65897	0.74216	0.6974	0.68557	1.20E-03	6.3E-05	0.00371	7.3E-07	0.00497	1.47E-03	7.74E-05	0.00453	4.09E-07	6.08E-03	0.001298	5.95E-05	0.009756	4.23E-07	0.011114
1125	482831.63	3853034.48	0.64439	0.72908	0.72972	0.66238	1.17E-03	6.2E-05	0.00388	7.1E-07	0.00511	1.44E-03	7.6E-05	0.00474	3.95E-07	6.26E-03	0.001269	5.85E-05	0.010208	4.08E-07	0.011536
1126	482881.63	3853034.48	0.65052	0.71274	0.73954	0.66702	1.19E-03	6.1E-05	0.00393	7.1E-07	0.00518	1.45E-03	7.43E-05	0.004804	3.98E-07	6.33E-03	0.001281	5.72E-05	0.010345	4.11E-07	0.011684
1127	482781.63	3853084.48	0.68614	0.77111	0.71747	0.68797	1.25E-03	6.6E-05	0.00381	7.3E-07	0.00513	1.53E-03	8.04E-05	0.00466	4.11E-07	6.27E-03	0.001351	6.19E-05	0.010037	4.24E-07	0.01145
1128	482831.63	3853084.48	0.68056	0.76679	0.71557	0.70111	1.24E-03	6.5E-05	0.0038	7.5E-07	0.00511	1.52E-03	8E-05	0.004648	4.18E-07	6.25E-03	0.00134	6.15E-05	0.01001	4.32E-07	0.011412
1129	482881.63	3853084.48	0.66343	0.74346	0.74843	0.676	1.21E-03	6.3E-05	0.00398	7.2E-07	0.00525	1.48E-03	7.75E-05	0.004861	4.03E-07	6.42E-03	0.001307	5.96E-05	0.01047	4.17E-07	0.011836
1130	482781.63	3853134.48	0.71429	0.80348	0.72333	0.65424	1.30E-03	6.8E-05	0.00384	7E-07	0.00521	1.60E-03	8.38E-05	0.004698	3.9E-07	6.38E-03	0.001407	6.45E-05	0.010119	4.03E-07	0.01159
1131	482831.63	3853134.48	0.71254	0.79689	0.73362	0.70279	1.30E-03	6.8E-05	0.0039	7.5E-07	0.00527	1.59E-03	8.31E-05	0.004765	4.19E-07	6.44E-03	0.001403	6.39E-05	0.010263	4.33E-07	0.01173
1132	482881.63	3853134.48	0.68303	0.79075	0.73532	0.72232	1.25E-03	6.7E-05	0.00391	7.7E-07	0.00522	1.53E-03	8.25E-05	0.004776	4.31E-07	6.38E-03	0.001345	6.34E-05	0.010286	4.45E-07	0.011695
1133	482831.63	3853184.48	0.73584	0.81733	0.74082	0.67115	1.34E-03	7E-05	0.00394	7.2E-07	0.00535	1.64E-03	8.52E-05	0.004812	4.01E-07	6.54E-03	0.001449	6.56E-05	0.010363	4.14E-07	0.011879
1134	482881.63	3853184.48	0.70999	0.81712	0.74838	0.72184	1.29E-03	7E-05	0.00398	7.7E-07	0.00534	1.59E-03	8.52E-05	0.004861	4.31E-07	6.53E-03	0.001398	6.55E-05	0.010469	4.45E-07	0.011933
1135	484154.84	3854250.98	1.40572	1.61036	1.35928	0.50293	2.56E-03	0.00014	0.00722	5.4E-07	0.00992	3.14E-03	0.000168	0.008829	3E-07	1.21E-02	0.002769	0.000129	0.019015	3.1E-07	0.021913
1136	484204.84	3854250.98	1.30535	1.63578	1.26889	0.47487	2.38E-03	0.00014	0.00674	5.1E-07	0.00926	2.92E-03	0.000171	0.008242	2.83E-07	1.13E-02	0.002571	0.000131	0.01775	2.93E-07	0.020453
1137	484154.84	3854300.98	1.45475	1.64451	1.44085	0.50728	2.65E-03	0.00014	0.00766	5.4E-07	0.01045	3.25E-03	0.000171	0.009359	3.03E-07	1.28E-02	0.002865	0.000132	0.020156	3.13E-07	0.023153
1138	484204.84	3854300.98	1.38143	1.61691	1.34297	0.47984	2.52E-03	0.00014	0.00714	5.1E-07	0.00979	3.09E-03	0.000169	0.008723	2.86E-07	1.20E-02	0.002721	0.00013	0.018787	2.96E-07	0.021637
1139	484074.19	3854519.8	2.13898	2.30521	2.06038	0.55293	3.90E-03	0.0002	0.01095	5.9E-07	0.01504	4.78E-03	0.00024	0.013383	3.3E-07	1.84E-02	0.004213	0.000185	0.028823	3.41E-07	0.033221
1140	484124.19	3854519.8	2.03411	2.09231	1.92219	0.54721	3.71E-03	0.00018	0.01021	5.8E-07	0.0141	4.54E-03	0.000218	0.012485	3.27E-07	1.72E-02	0.004006	0.000168	0.02689	3.37E-07	0.031064
1141	484074.19	3854569.8	2.41575	2.57731	2.12263	0.54713	4.40E-03	0.00022	0.01128	5.8E-07	0.0159	5.40E-03	0.000269	0.013787	3.27E-07	1.95E-02	0.004758	0.000207	0.029693	3.37E-07	0.034658
1142	484124.19	3854569.8	2.15885	2.23608	2.01415	0.53505	3.94E-03	0.00019	0.0107	5.7E-07	0.01483	4.82E-03	0.000233	0.013082	3.19E-07	1.81E-02	0.004252	0.000179	0.028176	3.3E-07	0.032607
1143	485205.11	3855188.89	5.41417	7.46755	6.42742	1.20905	9.87E-03	0.00064	0.03415	1.3E-06	0.04466	1.21E-02	0.000779	0.041748	7.22E-07	5.46E-02	0.010663	0.000599	0.089913	7.45E-07	0.101176
1144	485255.11	3855188.89	4.85626	6.87025	5.69174	1.10706	8.85E-03	0.00058	0.03024	1.2E-06	0.03968	1.08E-02	0.000716	0.03697	6.61E-07	4.85E-02	0.009564	0.000551	0.079622	6.83E-07	0.089738
1145	485205.11	3855238.89	5.83466	7.05559	7.0631	1.52072	1.06E-02	0.0006	0.03753	1.6E-06	0.04877	1.30E-02	0.000736	0.045877	9.08E-07	5.96E-02	0.011491	0.000566	0.098806	9.38E-07	0.110864
1146	485255.11	3855238.89	5.31427	6.57226	6.4462	1.39175	9.69E-03	0.00056	0.03425	1.5E-06	0.0445	1.19E-02	0.000685	0.04187	8.31E-07	5.44E-02	0.010466	0.000527	0.090176	8.58E-07	0.10117
1147	485205.11	3855288.89	7.19946	6.62098	8.67805	1.95016	1.31E-02	0.00056	0.04611	2.1E-06	0.0598	1.61E-02	0.00069	0.056366	1.16E-06	7.31E-02	0.014179	0.000531	0.121397	1.2E-06	0.136109
1148	485255.11	3855288.89	6.26835	6.29665	7.67349	1.79886	1.14E-02	0.00054	0.04077	1.9E-06	0.05273	1.40E-02	0.000657	0.049842	1.07E-06	6.45E-02	0.012345	0.000505	0.107344	1.11E-06	0.120196
1149	485255.11	3855338.89	7.49892	5.79675	9.1681	2.28783	1.37E-02	0.00049	0.04871	2.4E-06	0.06288	1.68E-02	0.000604	0.05955	1.37E-06	7.69E-02	0.014769	0.000465	0.128253	1.41E-06	0.143488
1150	485305.11	3855338.89	6.57658	5.54606	8.05965	2.04604	1.20E-02	0.00047	0.04282	2.2E-06	0.05528	1.47E-02	0.000578	0.05235	1.22E-06	6.76E-02	0.012952	0.000445	0.112746	1.26E-06	0.126145
1151	485852.5	3855635.28	4.76366	2.84416	6.24831	1.95448	8.68E-03	0.00024	0.0332	2.1E-06	0.04213	1.06E-02	0.000297	0.040585	1.17E-06	5.15E-02	0.009382	0.000228	0.087408	1.21E-06	0.097019
1152	485902.5	3855635.28	4.3434	2.79279	5.7905	1.80836	7.92E-03	0.00024	0.03077	1.9E-06	0.03892	9.70E-03	0.000291	0.037611	1.08E-06	4.76E-02	0.008554	0.000224	0.081003	1.11E-06	0.089783
1153	485852.5	3855685.28	5.18077	2.69112	6.79472	2.15826	9.44E-03	0.00023	0.0361	2.3E-06	0.04578	1.16E-02	0.000281	0.044134	1.29E-06	5.60E-02	0.010203	0.000216	0.095051	1.33E-06	0.105472
1154	485902.5	3855685.28	4.70847	2.76834	6.22822	1.99751	8.58E-03	0.00024	0.03309	2.1E-06	0.04191	1.05E-02	0.000289	0.040454	1.19E-06	5.13E-02	0.009273	0.000222	0.087127	1.23E-06	0.096623
1155	485852.5	3855735.28	5.69602	2.60648	7.52	2.37345	1.04E-02	0.00022	0.03996	2.5E-06	0.05056	1.27E-02	0.000272	0.048845	1.42E-06	6.18E-02	0.011218	0.000209	0.105197	1.46E-06	0.116626

1156	485902.5	3855735.28	5.18977	2.60367	6.87002	2.20034	9.46E-03	0.00022	0.0365	2.3E-06	0.04619	1.16E-02	0.000272	0.044623	1.31E-06	5.65E-02	0.010221	0.000209	0.096105	1.36E-06	0.106536
1157	485852.5	3855785.28	6.41806	2.44304	8.44954	2.67994	1.17E-02	0.00021	0.04489	2.9E-06	0.0568	1.43E-02	0.000255	0.054882	1.6E-06	6.95E-02	0.01264	0.000196	0.118201	1.65E-06	0.131038
1158	485902.5	3855785.28	5.65073	2.393	7.55616	2.4087	1.03E-02	0.0002	0.04015	2.6E-06	0.05065	1.26E-02	0.00025	0.049079	1.44E-06	6.20E-02	0.011129	0.000192	0.105703	1.49E-06	0.117025
1159	486809.46	3856465.28	5.26659	2.29315	7.14621	2.33706	9.60E-03	0.0002	0.03797	2.5E-06	0.04777	1.18E-02	0.000239	0.046417	1.39E-06	5.84E-02	0.010372	0.000184	0.099968	1.44E-06	0.110526
1160	486859.46	3856465.28	4.93979	2.33698	6.68377	2.2533	9.00E-03	0.0002	0.03551	2.4E-06	0.04472	1.10E-02	0.000244	0.043413	1.34E-06	5.47E-02	0.009729	0.000187	0.093499	1.39E-06	0.103417
1161	486909.46	3856465.28	4.65471	2.34451	6.3129	2.17791	8.48E-03	0.0002	0.03354	2.3E-06	0.04223	1.04E-02	0.000244	0.041004	1.3E-06	5.16E-02	0.009167	0.000188	0.088311	1.34E-06	0.097668
1162	486809.46	3856515.28	5.70533	2.46748	7.77583	2.52253	1.04E-02	0.00021	0.04131	2.7E-06	0.05193	1.27E-02	0.000257	0.050506	1.51E-06	6.35E-02	0.011236	0.000198	0.108776	1.56E-06	0.120212
1163	486859.46	3856515.28	5.35419	2.41589	7.26243	2.4394	9.76E-03	0.00021	0.03859	2.6E-06	0.04855	1.20E-02	0.000252	0.047172	1.46E-06	5.94E-02	0.010545	0.000194	0.101594	1.5E-06	0.112334
1164	486909.46	3856515.28	5.005	2.56643	6.78113	2.35755	9.12E-03	0.00022	0.03603	2.5E-06	0.04537	1.12E-02	0.000268	0.044045	1.41E-06	5.55E-02	0.009857	0.000206	0.094861	1.45E-06	0.104926
1165	486980.94	3856357.95	3.77819	1.97486	5.21185	1.86324	6.89E-03	0.00017	0.02769	2E-06	0.03475	8.44E-03	0.000206	0.033853	1.11E-06	4.25E-02	0.007441	0.000158	0.072909	1.15E-06	0.080509
1166	487030.94	3856357.95	3.63806	2.07362	5.02064	1.82609	6.63E-03	0.00018	0.02668	1.9E-06	0.03349	8.13E-03	0.000216	0.032611	1.09E-06	4.10E-02	0.007165	0.000166	0.070234	1.13E-06	0.077566
1167	486980.94	3856407.95	4.03215	2.12309	5.53402	1.97783	7.35E-03	0.00018	0.0294	2.1E-06	0.03694	9.01E-03	0.000221	0.035945	1.18E-06	4.52E-02	0.007941	0.00017	0.077415	1.22E-06	0.085528
1168	487030.94	3856407.95	3.84268	2.16274	5.31592	1.93229	7.00E-03	0.00018	0.02824	2.1E-06	0.03544	8.58E-03	0.000226	0.034528	1.15E-06	4.33E-02	0.007568	0.000173	0.074364	1.19E-06	0.082107
1169	487447.18	3856437.45	2.97773	1.89155	4.06306	1.78226	5.43E-03	0.00016	0.02159	1.9E-06	0.02718	6.65E-03	0.000197	0.026391	1.06E-06	3.32E-02	0.005865	0.000152	0.056838	1.1E-06	0.062856
1170	487497.18	3856437.45	2.89243	1.93481	3.92505	1.76686	5.27E-03	0.00016	0.02085	1.9E-06	0.02629	6.46E-03	0.000202	0.025494	1.05E-06	3.22E-02	0.005697	0.000155	0.054908	1.09E-06	0.06076
1171	487547.18	3856437.45	2.81352	1.98936	3.79661	1.74657	5.13E-03	0.00017	0.02017	1.9E-06	0.02547	6.28E-03	0.000207	0.02466	1.04E-06	3.12E-02	0.005541	0.00016	0.053111	1.08E-06	0.058813
1172	487447.18	3856487.45	3.08466	2.04986	4.21073	1.85539	5.62E-03	0.00017	0.02237	2E-06	0.02817	6.89E-03	0.000214	0.02735	1.11E-06	3.45E-02	0.006075	0.000164	0.058904	1.14E-06	0.065145
1173	487497.18	3856487.45	2.99755	2.14145	4.07176	1.84462	5.46E-03	0.00018	0.02163	2E-06	0.02728	6.70E-03	0.000223	0.026447	1.1E-06	3.34E-02	0.005904	0.000172	0.05696	1.14E-06	0.063036
1174	487547.18	3856487.45	2.90365	2.12498	3.93847	1.83556	5.29E-03	0.00018	0.02093	2E-06	0.0264	6.49E-03	0.000222	0.025582	1.1E-06	3.23E-02	0.005719	0.00017	0.055095	1.13E-06	0.060985
1175	487447.18	3856537.45	3.19298	2.39982	4.39087	1.94779	5.82E-03	0.0002	0.02333	2.1E-06	0.02936	7.13E-03	0.00025	0.02852	1.16E-06	3.59E-02	0.006288	0.000193	0.061424	1.2E-06	0.067906
1176	487497.18	3856537.45	3.09608	2.32551	4.24493	1.92114	5.64E-03	0.0002	0.02255	2E-06	0.0284	6.92E-03	0.000242	0.027572	1.15E-06	3.47E-02	0.006098	0.000187	0.059382	1.18E-06	0.065668
1177	487547.18	3856537.45	3.00104	2.26341	4.10226	1.91334	5.47E-03	0.00019	0.0218	2E-06	0.02746	6.70E-03	0.000236	0.026645	1.14E-06	3.36E-02	0.00591	0.000182	0.057386	1.18E-06	0.06348
1178	489285.89	3858826.54	1.33761	1.12764	0.77892	1.46856	2.44E-03	9.6E-05	0.00414	1.6E-06	0.00667	2.99E-03	0.000118	0.005059	8.76E-07	8.17E-03	0.002634	9.05E-05	0.010896	9.05E-07	0.013622
1179	489335.89	3858826.54	1.27565	1.12914	0.7678	1.46153	2.33E-03	9.6E-05	0.00408	1.6E-06	0.0065	2.85E-03	0.000118	0.004987	8.72E-07	7.96E-03	0.002512	9.06E-05	0.010741	9.01E-07	0.013345
1180	489385.89	3858826.54	1.2274	1.11263	0.78342	1.44517	2.24E-03	9.5E-05	0.00416	1.5E-06	0.0065	2.74E-03	0.000116	0.005089	8.63E-07	7.95E-03	0.002417	8.93E-05	0.010959	8.91E-07	0.013467
1181	489435.89	3858826.54	1.17944	1.10818	0.77412	1.41918	2.15E-03	9.4E-05	0.00411	1.5E-06	0.00636	2.63E-03	0.000116	0.005028	8.47E-07	7.78E-03	0.002323	8.89E-05	0.010829	8.75E-07	0.013242
1182	489485.89	3858826.54	1.12318	1.11175	0.77431	1.43609	2.05E-03	9.5E-05	0.00411	1.5E-06	0.00626	2.51E-03	0.000116	0.005029	8.57E-07	7.66E-03	0.002212	8.92E-05	0.010832	8.85E-07	0.013134
1183	489535.89	3858826.54	1.07415	1.12371	0.78405	1.42479	1.96E-03	9.6E-05	0.00417	1.5E-06	0.00622	2.40E-03	0.000117	0.005093	8.5E-07	7.61E-03	0.002116	9.01E-05	0.010968	8.78E-07	0.013175
1184	489585.89	3858826.54	1.03326	1.12338	0.76593	1.40237	1.88E-03	9.6E-05	0.00407	1.5E-06	0.00605	2.31E-03	0.000117	0.004975	8.37E-07	7.40E-03	0.002035	9.01E-05	0.010715	8.65E-07	0.012841
1185	489635.89	3858826.54	1.0022	1.10934	0.75437	1.35336	1.83E-03	9.4E-05	0.00401	1.4E-06	0.00593	2.24E-03	0.000116	0.0049	8.08E-07	7.25E-03	0.001974	8.9E-05	0.010553	8.34E-07	0.012617
1186	489685.89	3858826.54	0.97746	1.09133	0.74506	1.3222	1.78E-03	9.3E-05	0.00396	1.4E-06	0.00583	2.18E-03	0.000114	0.004839	7.89E-07	7.14E-03	0.001925	8.75E-05	0.010423	8.15E-07	0.012436
1187	489735.89	3858826.54	0.95488	1.09286	0.74571	1.29946	1.74E-03	9.3E-05	0.00396	1.4E-06	0.0058	2.13E-03	0.000114	0.004844	7.76E-07	7.09E-03	0.001881	8.77E-05	0.010432	8.01E-07	0.012401
1188	489785.89	3858826.54	0.93658	1.06578	0.75426	1.26577	1.71E-03	9.1E-05	0.00401	1.4E-06	0.00581	2.09E-03	0.000111	0.004899	7.55E-07	7.10E-03	0.001845	8.55E-05	0.010551	7.8E-07	0.012482
1189	489835.89	3858826.54	0.91291	1.06122	0.72971	1.23018	1.66E-03	9E-05	0.00388	1.3E-06	0.00563	2.04E-03	0.000111	0.00474	7.34E-07	6.89E-03	0.001798	8.51E-05	0.010208	7.58E-07	0.012092
1190	489885.89	3858826.54	0.88289	1.03944	0.7232	1.22431	1.61E-03	8.8E-05	0.00384	1.3E-06	0.00554	1.97E-03	0.000108	0.004697	7.31E-07	6.78E-03	0.001739	8.34E-05	0.010117	7.55E-07	0.01194
1191	489935.89	3858826.54	0.85457	1.02169	0.72728	1.21875	1.56E-03	8.7E-05	0.00386	1.3E-06	0.00551	1.91E-03	0.000107	0.004724	7.27E-07	6.74E-03	0.001683	8.2E-05	0.010174	7.51E-07	0.01194
1192	489985.89	3858826.54	0.82888	0.99569	0.72181	1.18898	1.51E-03	8.5E-05	0.00384	1.3E-06	0.00543	1.85E-03	0.000104	0.004688	7.1E-07	6.64E-03	0.001632	7.99E-05	0.010097	7.33E-07	0.01181
1193	490035.89	3858826.54	0.81448	0.98095	0.71502	1.14815	1.48E-03	8.3E-05	0.0038	1.2E-06	0.00537	1.82E-03	0.000102	0.004644	6.85E-07	6.57E-03	0.001604	7.87E-05	0.010002	7.08E-07	0.011686
1194	489285.89	3858876.54	1.25243	1.08777	0.77612	1.42451	2.28E-03	9.3E-05	0.00412	1.5E-06	0.0065	2.80E-03	0.000113	0.005041	8.5E-07	7.95E-03	0.002467	8.73E-05	0.010857	8.78E-07	0.013412
1195	489335.89	3858876.54	1.19811	1.08726	0.76552	1.41307	2.18E-03	9.3E-05	0.00407	1.5E-06	0.00635	2.68E-03	0.000113	0.004972	8.43E-07	7.76E-03	0.00236	8.72E-05	0.010709	8.71E-07	0.013157
1196	489385.89	3858876.54	1.15652	1.08498	0.74995	1.39417	2.11E-03	9.2E-05	0.00398	1.5E-06	0.00619	2.58E-03	0.000113	0.004871	8.32E-07	7.57E-03	0.002278	8.7E-05	0.010491	8.6E-07	0.012857
1197	489435.89	3858876.54	1.11869	1.07368	0.7473	1.39531	2.04E-03	9.1E-05	0.00397	1.5E-06	0.0061	2.50E-03	0.000112	0.004854	8.33E-07	7.47E-03	0.002203	8.61E-05	0.010454	8.6E-07	0.012744
1198	489485.89	3858876.54	1.0717	1.06695	0.75892	1.3655	1.95E-03	9.1E-05	0.00403	1.5E-06	0.00608	2.39E-03	0.000111	0.004929	8.15E-07	7.44E-03	0.002111	8.56E-05	0.010617	8.42E-07	0.012814
1199	489535.89	3858876.54	1.02876	1.06276	0.7466	1.35717	1.88E-03	9E-05	0.00397	1.4E-06	0.00593	2.30E-03	0.000111	0.004849	8.1E-07	7.26E-03	0.002026	8.53E-05	0.010444	8.37E-07	0.012556
1200	489585.89	3858876.54	0.9894	1.07352	0.75881	1.3755	1.80E-03	9.1E-05	0.00403	1.5E-06	0.00593	2.21E-03	0.000112	0.004929	8.21E-07	7.25E-03	0.001949	8.61E-05	0.010615	8.48E-07	0.012651
1201	489635.89	3858876.54	0.95982	1.08507	0.75632	1.35742	1.75E-03	9.2E-05	0.00402	1.4E-06	0.00586	2.14E-03	0.000113	0.004913	8.1E-07	7.17E-03	0.00189	8.7E-05	0.01058	8.37E-07	0.012558
1202	489685.89	3858876.54	0.93306	1.07182	0.73852	1.33409	1.70E-03	9.1E-05	0.00392	1.4E-06	0.00572	2.08E-03	0.000112	0.004797	7.96E-07	6.99E-03	0.001838	8.6E-05	0.010331	8.23E-07	0.012256
1203	489735.89	3858876.54	0.90906	1.05778	0.7304	1.28907	1.66E-03	9E-05	0.00388	1.4E-06	0.00563	2.03E-03	0.00011	0.004744	7.69E-07	6.89E-03	0.00179	8.49E-05	0.010218	7.95E-07	0.012094
1204	489785.89	3858876.54	0.89291	1.05679	0.71774	1.26685	1.63E-03	9E-05	0.00381	1.4E-06	0.00553	1.99E-03	0.00011	0.004662	7.56E-07	6.77E-03	0.001759	8.48E-05	0.01004	7.81E-07	0.011885
1205	489835.89	3858876.54	0.87594	1.04224	0.72949	1.22616	1.60E-03	8.9E-05	0.00388	1.3E-06	0.00556	1.96E-03	0.000109	0.004738	7.32E-07	6.80E-03	0.001725	8.36E-05	0.010205	7.56E-07	0.012014
1206	489885.89	3858876.54	0.85896	1.02617	0.721	1.19641	1.57E-03	8.7E-05	0.00383	1.3E-06	0.00549	1.92E-03	0.000107	0.004683	7.14E-07	6.71E-03	0.001692	8.23E-05	0.010086	7.38E-07	0.011861
1207	489935.89	3858876.54	0.84208	1.01789	0.69786	1.18335	1.53E-03	8.7E-05	0.00371	1.3E-06	0.00533	1.88E-03	0.000106	0.004533	7.06E-07	6.52E-03	0.001658	8.17E-05	0.009762	7.3E-07	0.011503
1208	489985.89	3858876.54	0.81991	1.00007	0.70616	1.16451	1.49E-03	8.5E-05	0.00375	1.2E-06	0.00533	1.83E-03	0.000104	0.004587	6.95E-07	6.52E-03	0.001615	8.02E-05	0.009878	7.18E-07	0.011574
1209	490035.89	3858876.54	0.79638	0.98508	0.70187	1.16069	1.45E-03	8.4E-05	0.00373	1.2E-06	0.00527	1.78E-03	0.000103	0.004559	6.93E-07	6.44E-03	0.001568	7.9E-05	0.009818	7.16E-07	0.011467
1210	489285.89	3858926.54	1.19521	1.05743	0.74461	1.36915	2.18E-03	9E-05	0.00396	1.5E-06	0.00623	2.67E-03	0.00011	0.004836	8.17E-07	7.62E-03	0.002354	8.48E-05	0.010416	8.44E-07	0.012856
1211	489335.89	3858926.54	1.13665	1.03791	0.75711	1.36279	2.07E-03	8.8E-05	0.00402	1.5E-06	0.00618	2.54E-03	0.000108	0.004918	8.13E-07	7.57E-03	0.002239	8.33E-05	0.010591	8.4E-07	0.012914
1212	489385.89	3858926.54	1.08395	1.04658	0.74441	1.35426	1.98E-03	8.9E-05	0.00396	1.4E-06	0.00602	2.42E-03	0.000109	0.004835	8.08E-07	7.37E-03	0.002135	8.4E-05	0.010414	8.35E-07	0.012633
1213	489435.89	3858926.54	1.03958	1.05057	0.72978	1.35444	1.89E-03	8.9E-05	0.00388	1.4E-06	0.00586	2.32E-03	0.00011	0.00474	8.08E-07	7.17E-03	0.002047	8.43E-05	0.010209	8.35E-07	0.012341
1214	489485.89	3858926.54	1.00844	1.03729	0.72567	1.33701	1.84E-03	8.8E-05	0.00386	1.4E-06	0.00578	2.25E-03	0.000108	0.004713	7.98E-07	7.07E-03	0.001986	8.32E-05	0.010151	8.24E-07	0.012222
1215	489535.89	3858926.54	0.98241	1.0178	0.74232	1.3164	1.79E-03	8.7E-05	0.00394	1.4E-06	0.00582	2.19E-03	0.000106	0.004822	7.86E-07	7.12E-03	0.001935	8.16E-05	0.010384	8.12E-07	0.012402
1216	489585.89	3858926.54	0.95293	1.02394	0.72699	1.30334	1.74E-03	8.7E-05	0.00386	1.4E-06	0.00569	2.13E-03	0.000107	0.004722	7.78E-07	6.96E-03	0.001877	8.21E-05	0.01017	8.04E-07	0.01213

1217	489635.89	3858926.54	0.92691	1.02849	0.73409	1.31966	1.69E-03	8.8E-05	0.0039	1.4E-06	0.00568	2.07E-03	0.000107	0.004768	7.88E-07	6.95E-03	0.001826	8.25E-05	0.010269	8.14E-07	0.012178
1218	489685.89	3858926.54	0.90311	1.03912	0.73921	1.32388	1.65E-03	8.8E-05	0.00393	1.4E-06	0.00566	2.02E-03	0.000108	0.004801	7.9E-07	6.93E-03	0.001779	8.34E-05	0.010341	8.16E-07	0.012204
1219	489735.89	3858926.54	0.88351	1.04467	0.7207	1.28572	1.61E-03	8.9E-05	0.00383	1.4E-06	0.00553	1.97E-03	0.000109	0.004681	7.67E-07	6.76E-03	0.00174	8.38E-05	0.010082	7.93E-07	0.011907
1220	489785.89	3858926.54	0.86273	1.02932	0.71132	1.26494	1.57E-03	8.8E-05	0.00378	1.3E-06	0.00544	1.93E-03	0.000107	0.00462	7.55E-07	6.66E-03	0.001699	8.26E-05	0.009951	7.8E-07	0.011733
1221	489835.89	3858926.54	0.84171	1.00758	0.70446	1.23169	1.53E-03	8.6E-05	0.00374	1.3E-06	0.00536	1.88E-03	0.000105	0.004576	7.35E-07	6.56E-03	0.001658	8.08E-05	0.009855	7.59E-07	0.011594
1222	489885.89	3858926.54	0.82386	1.01903	0.69701	1.21489	1.50E-03	8.7E-05	0.0037	1.3E-06	0.00529	1.84E-03	0.000106	0.004527	7.25E-07	6.47E-03	0.001623	8.17E-05	0.00975	7.49E-07	0.011456
1223	489935.89	3858926.54	0.80906	0.99379	0.70474	1.16508	1.47E-03	8.5E-05	0.00374	1.2E-06	0.00531	1.81E-03	0.000104	0.004577	6.95E-07	6.49E-03	0.001593	7.97E-05	0.009859	7.18E-07	0.011532
1224	489985.89	3858926.54	0.79659	0.98707	0.69135	1.14169	1.45E-03	8.4E-05	0.00367	1.2E-06	0.00521	1.78E-03	0.000103	0.004491	6.81E-07	6.37E-03	0.001569	7.92E-05	0.009671	7.04E-07	0.01132
1225	490035.89	3858926.54	0.78718	0.98337	0.67991	1.12947	1.43E-03	8.4E-05	0.00361	1.2E-06	0.00513	1.76E-03	0.000103	0.004416	6.74E-07	6.28E-03	0.00155	7.89E-05	0.009511	6.96E-07	0.011141
1226	489335.89	3858976.54	1.07762	1.02382	0.71424	1.31752	1.96E-03	8.7E-05	0.00379	1.4E-06	0.00585	2.41E-03	0.000107	0.004639	7.86E-07	7.15E-03	0.002122	8.21E-05	0.009992	8.12E-07	0.012197
1227	489385.89	3858976.54	1.05328	1.00873	0.73608	1.28044	1.92E-03	8.6E-05	0.00391	1.4E-06	0.00592	2.35E-03	0.000105	0.004781	7.64E-07	7.24E-03	0.002074	8.09E-05	0.010297	7.89E-07	0.012453
1228	489435.89	3858976.54	1.00239	1.00868	0.72934	1.30474	1.83E-03	8.6E-05	0.00388	1.4E-06	0.00579	2.24E-03	0.000105	0.004737	7.79E-07	7.08E-03	0.001974	8.09E-05	0.010203	8.04E-07	0.012259
1229	489485.89	3858976.54	0.96328	1.01512	0.70781	1.31161	1.76E-03	8.6E-05	0.00376	1.4E-06	0.0056	2.15E-03	0.000106	0.004597	7.83E-07	6.86E-03	0.001897	8.14E-05	0.009902	8.09E-07	0.011881
1230	489535.89	3858976.54	0.93103	1.0071	0.70663	1.26995	1.70E-03	8.6E-05	0.00375	1.4E-06	0.00554	2.08E-03	0.000105	0.00459	7.58E-07	6.78E-03	0.001834	8.08E-05	0.009885	7.83E-07	0.0118
1231	489585.89	3858976.54	0.90807	0.99244	0.71285	1.27922	1.66E-03	8.4E-05	0.00379	1.4E-06	0.00553	2.03E-03	0.000103	0.00463	7.63E-07	6.76E-03	0.001788	7.96E-05	0.009972	7.89E-07	0.011841
1232	489635.89	3858976.54	0.88895	0.98252	0.70915	1.25129	1.62E-03	8.4E-05	0.00377	1.3E-06	0.00547	1.99E-03	0.000102	0.004606	7.47E-07	6.70E-03	0.001751	7.88E-05	0.00992	7.72E-07	0.011751
1233	489685.89	3858976.54	0.87438	0.98763	0.70686	1.27672	1.59E-03	8.4E-05	0.00376	1.4E-06	0.00543	1.95E-03	0.000103	0.004591	7.62E-07	6.65E-03	0.001722	7.92E-05	0.009888	7.87E-07	0.01169
1234	489735.89	3858976.54	0.85916	0.99765	0.71636	1.26813	1.57E-03	8.5E-05	0.00381	1.4E-06	0.00546	1.92E-03	0.000104	0.004653	7.57E-07	6.68E-03	0.001692	8E-05	0.010021	7.82E-07	0.011794
1235	489785.89	3858976.54	0.84276	1.00333	0.70936	1.27218	1.54E-03	8.5E-05	0.00377	1.4E-06	0.00539	1.88E-03	0.000105	0.004608	7.59E-07	6.60E-03	0.00166	8.05E-05	0.009923	7.84E-07	0.011664
1236	489835.89	3858976.54	0.82383	0.99908	0.69378	1.23319	1.50E-03	8.5E-05	0.00369	1.3E-06	0.00527	1.84E-03	0.000104	0.004506	7.36E-07	6.45E-03	0.001623	8.01E-05	0.009705	7.6E-07	0.011409
1237	489885.89	3858976.54	0.80549	0.98498	0.68987	1.20376	1.47E-03	8.4E-05	0.00367	1.3E-06	0.00522	1.80E-03	0.000103	0.004481	7.18E-07	6.38E-03	0.001586	7.9E-05	0.009651	7.42E-07	0.011317
1238	489935.89	3858976.54	0.78845	0.97057	0.67745	1.17861	1.44E-03	8.3E-05	0.0036	1.3E-06	0.00512	1.76E-03	0.000101	0.0044	7.03E-07	6.26E-03	0.001553	7.79E-05	0.009477	7.27E-07	0.011108
1239	489985.89	3858976.54	0.77158	0.98441	0.68243	1.16097	1.41E-03	8.4E-05	0.00363	1.2E-06	0.00512	1.72E-03	0.000103	0.004433	6.93E-07	6.26E-03	0.00152	7.9E-05	0.009547	7.16E-07	0.011146
1240	490035.89	3858976.54	0.75883	0.96263	0.68281	1.12254	1.38E-03	8.2E-05	0.00363	1.2E-06	0.00509	1.70E-03	0.0001	0.004435	6.7E-07	6.23E-03	0.001494	7.72E-05	0.009552	6.92E-07	0.011124
1241	489385.89	3859026.54	0.98549	0.99164	0.69674	1.27621	1.80E-03	8.4E-05	0.0037	1.4E-06	0.00558	2.20E-03	0.000103	0.004526	7.62E-07	6.83E-03	0.001941	7.95E-05	0.009747	7.87E-07	0.011768
1242	489435.89	3859026.54	0.95182	0.97793	0.71382	1.24261	1.74E-03	8.3E-05	0.00379	1.3E-06	0.00561	2.13E-03	0.000102	0.004636	7.42E-07	6.87E-03	0.001875	7.84E-05	0.009986	7.66E-07	0.011939
1243	489485.89	3859026.54	0.92257	0.96786	0.71155	1.25334	1.68E-03	8.2E-05	0.00378	1.3E-06	0.00555	2.06E-03	0.000101	0.004622	7.48E-07	6.78E-03	0.001817	7.76E-05	0.009954	7.73E-07	0.011849
1244	489535.89	3859026.54	0.89354	0.97797	0.6927	1.25831	1.63E-03	8.3E-05	0.00368	1.3E-06	0.00539	2.00E-03	0.000102	0.004499	7.51E-07	6.60E-03	0.00176	7.85E-05	0.00969	7.76E-07	0.011529
1245	489585.89	3859026.54	0.86627	0.98243	0.68327	1.24618	1.58E-03	8.4E-05	0.00363	1.3E-06	0.00529	1.94E-03	0.000102	0.004438	7.44E-07	6.48E-03	0.001706	7.88E-05	0.009558	7.68E-07	0.011344
1246	489635.89	3859026.54	0.84554	0.95979	0.68384	1.21367	1.54E-03	8.2E-05	0.00363	1.3E-06	0.00526	1.89E-03	0.0001	0.004442	7.24E-07	6.43E-03	0.001665	7.7E-05	0.009566	7.48E-07	0.011309
1247	489685.89	3859026.54	0.8337	0.93873	0.69687	1.20179	1.52E-03	8E-05	0.0037	1.3E-06	0.0053	1.86E-03	9.79E-05	0.004526	7.17E-07	6.49E-03	0.001642	7.53E-05	0.009749	7.41E-07	0.011467
1248	489735.89	3859026.54	0.82055	0.94627	0.68807	1.20134	1.50E-03	8.1E-05	0.00366	1.3E-06	0.00523	1.83E-03	9.87E-05	0.004469	7.17E-07	6.40E-03	0.001616	7.59E-05	0.009625	7.41E-07	0.011318
1249	489785.89	3859026.54	0.81012	0.94898	0.69405	1.18601	1.48E-03	8.1E-05	0.00369	1.3E-06	0.00525	1.81E-03	9.9E-05	0.004508	7.08E-07	6.42E-03	0.001596	7.61E-05	0.009709	7.31E-07	0.011381
1250	489835.89	3859026.54	0.80144	0.96345	0.69698	1.22743	1.46E-03	8.2E-05	0.0037	1.3E-06	0.00525	1.79E-03	0.0001	0.004527	7.33E-07	6.42E-03	0.001578	7.73E-05	0.00975	7.57E-07	0.011407
1251	489885.89	3859026.54	0.79485	0.97129	0.67916	1.21143	1.45E-03	8.3E-05	0.00361	1.3E-06	0.00514	1.78E-03	0.000101	0.004411	7.23E-07	6.29E-03	0.001565	7.79E-05	0.009501	7.47E-07	0.011145
1252	489935.89	3859026.54	0.77975	0.95966	0.6721	1.18298	1.42E-03	8.2E-05	0.00357	1.3E-06	0.00508	1.74E-03	0.0001	0.004365	7.06E-07	6.21E-03	0.001536	7.7E-05	0.009402	7.29E-07	0.011015
1253	489985.89	3859026.54	0.75982	0.94311	0.66869	1.14527	1.39E-03	8E-05	0.00355	1.2E-06	0.00502	1.70E-03	9.83E-05	0.004343	6.84E-07	6.14E-03	0.001496	7.57E-05	0.009354	7.06E-07	0.010927
1254	490035.89	3859026.54	0.74281	0.94822	0.66373	1.13005	1.35E-03	8.1E-05	0.00353	1.2E-06	0.00496	1.66E-03	9.89E-05	0.004311	6.74E-07	6.07E-03	0.001463	7.61E-05	0.009285	6.97E-07	0.010825
1255	489485.89	3859076.54	0.89063	0.94528	0.69093	1.20969	1.62E-03	8E-05	0.00367	1.3E-06	0.00538	1.99E-03	9.86E-05	0.004488	7.22E-07	6.58E-03	0.001754	7.58E-05	0.009665	7.46E-07	0.011496
1256	489535.89	3859076.54	0.8696	0.93595	0.69415	1.17307	1.59E-03	8E-05	0.00369	1.3E-06	0.00535	1.94E-03	9.76E-05	0.004509	7E-07	6.55E-03	0.001713	7.51E-05	0.00971	7.23E-07	0.011499
1257	489585.89	3859076.54	0.84641	0.93698	0.67284	1.19561	1.54E-03	8E-05	0.00357	1.3E-06	0.0052	1.89E-03	9.77E-05	0.00437	7.14E-07	6.36E-03	0.001667	7.52E-05	0.009412	7.37E-07	0.011155
1258	489635.89	3859076.54	0.82359	0.95138	0.66345	1.21412	1.50E-03	8.1E-05	0.00353	1.3E-06	0.00511	1.84E-03	9.92E-05	0.004309	7.25E-07	6.25E-03	0.001622	7.63E-05	0.009281	7.49E-07	0.01098
1259	489685.89	3859076.54	0.80228	0.93191	0.66882	1.16828	1.46E-03	7.9E-05	0.00355	1.2E-06	0.0051	1.79E-03	9.72E-05	0.004344	6.97E-07	6.23E-03	0.00158	7.48E-05	0.009356	7.2E-07	0.011012
1260	489735.89	3859076.54	0.78942	0.91973	0.67745	1.16195	1.44E-03	7.8E-05	0.0036	1.2E-06	0.00512	1.76E-03	9.59E-05	0.0044	6.94E-07	6.26E-03	0.001555	7.38E-05	0.009477	7.16E-07	0.011106
1261	489785.89	3859076.54	0.77988	0.90242	0.66908	1.15328	1.42E-03	7.7E-05	0.00355	1.2E-06	0.00505	1.74E-03	9.41E-05	0.004346	6.88E-07	6.18E-03	0.001536	7.24E-05	0.00936	7.11E-07	0.010969
1262	489835.89	3859076.54	0.77313	0.9179	0.6712	1.14953	1.41E-03	7.8E-05	0.00357	1.2E-06	0.00505	1.73E-03	9.57E-05	0.00436	6.86E-07	6.18E-03	0.001523	7.36E-05	0.009389	7.09E-07	0.010986
1263	489885.89	3859076.54	0.76635	0.92561	0.67841	1.1748	1.40E-03	7.9E-05	0.0036	1.3E-06	0.00508	1.71E-03	9.65E-05	0.004406	7.01E-07	6.22E-03	0.001509	7.43E-05	0.00949	7.24E-07	0.011075
1264	489935.89	3859076.54	0.7584	0.93194	0.66819	1.18229	1.38E-03	7.9E-05	0.00355	1.3E-06	0.00501	1.69E-03	9.72E-05	0.00434	7.06E-07	6.13E-03	0.001494	7.48E-05	0.009347	7.29E-07	0.010916
1265	489985.89	3859076.54	0.74759	0.93933	0.65779	1.16119	1.36E-03	8E-05	0.00349	1.2E-06	0.00494	1.67E-03	9.8E-05	0.004273	6.93E-07	6.04E-03	0.001472	7.54E-05	0.009202	7.16E-07	0.01075
1266	490035.89	3859076.54	0.73653	0.92448	0.65973	1.12378	1.34E-03	7.9E-05	0.00351	1.2E-06	0.00493	1.65E-03	9.64E-05	0.004285	6.71E-07	6.03E-03	0.001451	7.42E-05	0.009229	6.93E-07	0.010754
1267	489585.89	3859126.54	0.81651	0.91003	0.67908	1.12487	1.49E-03	7.7E-05	0.00361	1.2E-06	0.00518	1.82E-03	9.49E-05	0.004411	6.71E-07	6.33E-03	0.001608	7.3E-05	0.0095	6.94E-07	0.011181
1268	489635.89	3859126.54	0.80007	0.90385	0.65511	1.14497	1.46E-03	7.7E-05	0.00348	1.2E-06	0.00502	1.79E-03	9.43E-05	0.004255	6.83E-07	6.14E-03	0.001576	7.25E-05	0.009164	7.06E-07	0.010813
1269	489685.89	3859126.54	0.78241	0.91348	0.64503	1.17357	1.43E-03	7.8E-05	0.00343	1.3E-06	0.00493	1.75E-03	9.53E-05	0.00419	7E-07	6.03E-03	0.001541	7.33E-05	0.009023	7.24E-07	0.010638
1270	489735.89	3859126.54	0.76368	0.9141	0.64928	1.14361	1.39E-03	7.8E-05	0.00345	1.2E-06	0.00492	1.71E-03	9.53E-05	0.004217	6.83E-07	6.02E-03	0.001504	7.33E-05	0.009083	7.05E-07	0.010661
1271	489785.89	3859126.54	0.74937	0.89107	0.65206	1.11639	1.37E-03	7.6E-05	0.00346	1.2E-06	0.00491	1.67E-03	9.29E-05	0.004235	6.66E-07	6.00E-03	0.001476	7.15E-05	0.009122	6.88E-07	0.01067
1272	489835.89	3859126.54	0.74299	0.87044	0.65133	1.09986	1.35E-03	7.4E-05	0.00346	1.2E-06	0.00489	1.66E-03	9.08E-05	0.004231	6.56E-07	5.98E-03	0.001463	6.98E-05	0.009111	6.78E-07	0.010645
1273	489885.89	3859126.54	0.73687	0.88134	0.65388	1.13547	1.34E-03	7.5E-05	0.00347	1.2E-06	0.00489	1.65E-03	9.19E-05	0.004247	6.78E-07	5.99E-03	0.001451	7.07E-05	0.009147	7E-07	0.01067
1274	489935.89	3859126.54	0.73457	0.88615	0.6594	1.12686	1.34E-03	7.5E-05	0.0035	1.2E-06	0.00492	1.64E-03	9.24E-05	0.004283	6.73E-07	6.02E-03	0.001447	7.11E-05	0.009224	6.95E-07	0.010743
1275	489985.89	3859126.54	0.73027	0.90105	0.66077	1.1336	1.33E-03	7.7E-05	0.00351	1.2E-06	0.00492	1.63E-03	9.4E-05	0.004292	6.77E-07	6.02E-03	0.001438	7.23E-05	0.009244	6.99E-07	0.010755
1276	490035.89	3859126.54	0.7219	0.91237	0.64654	1.12568	1.32E-03	7.8E-05	0.00344	1.2E-06	0.00483	1.61E-03	9.51E-05	0.004199	6.72E-07	5.91E-03	0.001422	7.32E-05	0.009044	6.94E-07	0.01054
1277	489585.89	3859176.54	0.7783	0.89024	0.64137	1.13397	1.42E-03	7.6E-05	0.00341	1.2E-06	0.0049	1.74E-03	9.28E-05	0.004166	6.77E-07	6.00E-03	0.001533	7.14E-05	0.008972	6.99E-07	0.010577

1278	489635.89	3859176.54	0.76718	0.88431	0.66103	1.09032	1.40E-03	7.5E-05	0.00351	1.2E-06	0.00499	1.71E-03	9.22E-05	0.004294	6.51E-07	6.10E-03	0.001511	7.09E-05	0.009247	6.72E-07	0.01083
1279	489685.89	3859176.54	0.75265	0.87173	0.64965	1.08648	1.37E-03	7.4E-05	0.00345	1.2E-06	0.0049	1.68E-03	9.09E-05	0.00422	6.48E-07	5.99E-03	0.001482	6.99E-05	0.009088	6.7E-07	0.010641
1280	489735.89	3859176.54	0.73364	0.86621	0.63244	1.10848	1.34E-03	7.4E-05	0.00336	1.2E-06	0.00477	1.64E-03	9.03E-05	0.004108	6.62E-07	5.84E-03	0.001445	6.95E-05	0.008847	6.83E-07	0.010362
1281	489785.89	3859176.54	0.72696	0.89091	0.62141	1.11704	1.33E-03	7.6E-05	0.0033	1.2E-06	0.0047	1.62E-03	9.29E-05	0.004036	6.67E-07	5.75E-03	0.001432	7.15E-05	0.008693	6.89E-07	0.010197
1282	489835.89	3859176.54	0.71409	0.86597	0.62952	1.08127	1.30E-03	7.4E-05	0.00334	1.2E-06	0.00472	1.60E-03	9.03E-05	0.004089	6.45E-07	5.77E-03	0.001406	6.95E-05	0.008806	6.67E-07	0.010283
1283	489885.89	3859176.54	0.70316	0.85577	0.64032	1.0645	1.28E-03	7.3E-05	0.0034	1.1E-06	0.00476	1.57E-03	8.92E-05	0.004159	6.35E-07	5.82E-03	0.001385	6.86E-05	0.008957	6.56E-07	0.010412
1284	489935.89	3859176.54	0.69479	0.83949	0.63702	1.05888	1.27E-03	7.1E-05	0.00338	1.1E-06	0.00472	1.55E-03	8.75E-05	0.004138	6.32E-07	5.78E-03	0.001368	6.73E-05	0.008911	6.53E-07	0.010348
1285	489985.89	3859176.54	0.69293	0.86536	0.64224	1.10607	1.26E-03	7.4E-05	0.00341	1.2E-06	0.00475	1.55E-03	9.02E-05	0.004172	6.6E-07	5.81E-03	0.001365	6.94E-05	0.008984	6.82E-07	0.010419
1286	490035.89	3859176.54	0.69449	0.86386	0.64626	1.08295	1.27E-03	7.4E-05	0.00343	1.2E-06	0.00477	1.55E-03	9.01E-05	0.004198	6.46E-07	5.84E-03	0.001368	6.93E-05	0.009041	6.68E-07	0.010478
1287	489685.89	3859226.54	0.7287	0.85357	0.64195	1.07556	1.33E-03	7.3E-05	0.00341	1.1E-06	0.00481	1.63E-03	8.9E-05	0.00417	6.42E-07	5.89E-03	0.001435	6.85E-05	0.00898	6.63E-07	0.010485
1288	489735.89	3859226.54	0.71738	0.8433	0.63819	1.04085	1.31E-03	7.2E-05	0.00339	1.1E-06	0.00477	1.60E-03	8.79E-05	0.004145	6.21E-07	5.84E-03	0.001413	6.76E-05	0.008928	6.42E-07	0.010409
1289	489785.89	3859226.54	0.70595	0.83628	0.61324	1.04738	1.29E-03	7.1E-05	0.00326	1.1E-06	0.00462	1.58E-03	8.72E-05	0.003983	6.25E-07	5.65E-03	0.00139	6.71E-05	0.008579	6.46E-07	0.010037
1290	489835.89	3859226.54	0.69134	0.85557	0.60591	1.08151	1.26E-03	7.3E-05	0.00322	1.2E-06	0.00455	1.54E-03	8.92E-05	0.003936	6.45E-07	5.57E-03	0.001362	6.86E-05	0.008476	6.67E-07	0.009907
1291	489885.89	3859226.54	0.68558	0.85344	0.61824	1.05805	1.25E-03	7.3E-05	0.00328	1.1E-06	0.00461	1.53E-03	8.9E-05	0.004016	6.31E-07	5.64E-03	0.00135	6.85E-05	0.008649	6.52E-07	0.010068
1292	489935.89	3859226.54	0.67428	0.83633	0.62509	1.03522	1.23E-03	7.1E-05	0.00332	1.1E-06	0.00462	1.51E-03	8.72E-05	0.00406	6.18E-07	5.65E-03	0.001328	6.71E-05	0.008744	6.38E-07	0.01014
1293	489985.89	3859226.54	0.66476	0.81789	0.61921	1.03198	1.21E-03	7E-05	0.00329	1.1E-06	0.00457	1.48E-03	8.53E-05	0.004022	6.16E-07	5.59E-03	0.001309	6.56E-05	0.008662	6.36E-07	0.010038
1294	490035.89	3859226.54	0.6541	0.82778	0.62449	1.05288	1.19E-03	7E-05	0.00332	1.1E-06	0.00458	1.46E-03	8.63E-05	0.004056	6.28E-07	5.60E-03	0.001288	6.64E-05	0.008736	6.49E-07	0.010091
1295	489735.89	3859276.54	0.70362	0.82605	0.61783	1.05661	1.28E-03	7E-05	0.00328	1.1E-06	0.00464	1.57E-03	8.61E-05	0.004013	6.31E-07	5.67E-03	0.001386	6.63E-05	0.008643	6.51E-07	0.010095
1296	489785.89	3859276.54	0.69719	0.82172	0.62229	1.00201	1.27E-03	7E-05	0.00331	1.1E-06	0.00465	1.56E-03	8.57E-05	0.004042	5.98E-07	5.69E-03	0.001373	6.59E-05	0.008705	6.18E-07	0.010145
1297	489835.89	3859276.54	0.67942	0.81601	0.59338	1.00909	1.24E-03	6.9E-05	0.00315	1.1E-06	0.00446	1.52E-03	8.51E-05	0.003854	6.02E-07	5.46E-03	0.001338	6.55E-05	0.008301	6.22E-07	0.009705
1298	489885.89	3859276.54	0.67207	0.81482	0.59055	1.02479	1.23E-03	6.9E-05	0.00314	1.1E-06	0.00443	1.50E-03	8.5E-05	0.003836	6.12E-07	5.42E-03	0.001324	6.54E-05	0.008261	6.32E-07	0.009651
1299	489935.89	3859276.54	0.66425	0.83725	0.59516	1.02987	1.21E-03	7.1E-05	0.00316	1.1E-06	0.00445	1.48E-03	8.73E-05	0.003866	6.15E-07	5.44E-03	0.001308	6.72E-05	0.008326	6.35E-07	0.009702
1300	489985.89	3859276.54	0.65198	0.8159	0.60627	1.0491	1.19E-03	6.9E-05	0.00322	1.1E-06	0.00448	1.46E-03	8.51E-05	0.003938	6.26E-07	5.48E-03	0.001284	6.54E-05	0.008481	6.47E-07	0.009831
1301	490035.89	3859276.54	0.64297	0.80407	0.60287	1.01729	1.17E-03	6.8E-05	0.0032	1.1E-06	0.00444	1.44E-03	8.38E-05	0.003916	6.07E-07	5.44E-03	0.001266	6.45E-05	0.008434	6.27E-07	0.009765
1302	490458.06	3859590.74	0.53316	0.66715	0.51516	0.8179	9.72E-04	5.7E-05	0.00274	8.7E-07	0.00377	1.19E-03	6.96E-05	0.003346	4.88E-07	4.61E-03	0.00105	5.35E-05	0.007207	5.04E-07	0.008311
1303	490508.06	3859590.74	0.52416	0.66017	0.51654	0.80131	9.55E-04	5.6E-05	0.00274	8.5E-07	0.00376	1.17E-03	6.88E-05	0.003355	4.78E-07	4.60E-03	0.001032	5.3E-05	0.007226	4.94E-07	0.008312
1304	490558.06	3859590.74	0.51831	0.65013	0.52147	0.78807	9.45E-04	5.5E-05	0.00277	8.4E-07	0.00377	1.16E-03	6.78E-05	0.003387	4.7E-07	4.61E-03	0.001021	5.22E-05	0.007295	4.86E-07	0.008368
1305	490608.06	3859590.74	0.51758	0.66886	0.52391	0.83042	9.43E-04	5.7E-05	0.00278	8.9E-07	0.00378	1.16E-03	6.97E-05	0.003403	4.96E-07	4.63E-03	0.001019	5.37E-05	0.007329	5.12E-07	0.008402
1306	490658.06	3859590.74	0.51465	0.68049	0.51886	0.83066	9.38E-04	5.8E-05	0.00276	8.9E-07	0.00375	1.15E-03	7.1E-05	0.00337	4.96E-07	4.59E-03	0.001014	5.46E-05	0.007258	5.12E-07	0.008327
1307	490708.06	3859590.74	0.50848	0.66955	0.50757	0.8166	9.27E-04	5.7E-05	0.0027	8.7E-07	0.00368	1.14E-03	6.98E-05	0.003297	4.87E-07	4.50E-03	0.001001	5.37E-05	0.0071	5.03E-07	0.008156
1308	490758.06	3859590.74	0.50358	0.67246	0.50954	0.81486	9.18E-04	5.7E-05	0.00271	8.7E-07	0.00368	1.12E-03	7.01E-05	0.00331	4.86E-07	4.51E-03	0.000992	5.39E-05	0.007128	5.02E-07	0.008174
1309	490808.06	3859590.74	0.50562	0.67938	0.50641	0.79587	9.22E-04	5.8E-05	0.00269	8.5E-07	0.00367	1.13E-03	7.08E-05	0.003289	4.75E-07	4.49E-03	0.000996	5.45E-05	0.007084	4.91E-07	0.008135
1310	490858.06	3859590.74	0.50632	0.66951	0.50177	0.78221	9.23E-04	5.7E-05	0.00267	8.3E-07	0.00365	1.13E-03	6.98E-05	0.003259	4.67E-07	4.46E-03	0.000997	5.37E-05	0.007019	4.82E-07	0.008071
1311	490458.06	3859640.74	0.5183	0.65029	0.48917	0.78783	9.45E-04	5.5E-05	0.0026	8.4E-07	0.0036	1.16E-03	6.78E-05	0.003177	4.7E-07	4.40E-03	0.001021	5.22E-05	0.006843	4.86E-07	0.007916
1312	490508.06	3859640.74	0.51849	0.64962	0.50517	0.80009	9.45E-04	5.5E-05	0.00268	8.5E-07	0.00369	1.16E-03	6.77E-05	0.003281	4.78E-07	4.51E-03	0.001021	5.21E-05	0.007067	4.93E-07	0.008141
1313	490558.06	3859640.74	0.51467	0.64965	0.49951	0.79165	9.38E-04	5.5E-05	0.00265	8.4E-07	0.00365	1.15E-03	6.77E-05	0.003244	4.72E-07	4.46E-03	0.001014	5.21E-05	0.006988	4.88E-07	0.008054
1314	490608.06	3859640.74	0.50561	0.63457	0.51114	0.76254	9.22E-04	5.4E-05	0.00272	8.1E-07	0.00369	1.13E-03	6.62E-05	0.00332	4.55E-07	4.52E-03	0.000996	5.09E-05	0.00715	4.7E-07	0.008197
1315	490658.06	3859640.74	0.49988	0.64367	0.51151	0.80155	9.11E-04	5.5E-05	0.00272	8.6E-07	0.00368	1.12E-03	6.71E-05	0.003322	4.78E-07	4.51E-03	0.000984	5.16E-05	0.007156	4.94E-07	0.008192
1316	490708.06	3859640.74	0.50204	0.66029	0.51163	0.80305	9.15E-04	5.6E-05	0.00272	8.6E-07	0.00369	1.12E-03	6.89E-05	0.003323	4.79E-07	4.51E-03	0.000989	5.3E-05	0.007157	4.95E-07	0.008199
1317	490758.06	3859640.74	0.49912	0.65644	0.50384	0.79828	9.10E-04	5.6E-05	0.00268	8.5E-07	0.00364	1.11E-03	6.85E-05	0.003273	4.76E-07	4.46E-03	0.000983	5.27E-05	0.007048	4.92E-07	0.008084
1318	490808.06	3859640.74	0.49384	0.6494	0.49631	0.80209	9.00E-04	5.5E-05	0.00264	8.6E-07	0.00359	1.10E-03	6.77E-05	0.003224	4.79E-07	4.39E-03	0.000973	5.21E-05	0.006943	4.95E-07	0.007968
1319	490858.06	3859640.74	0.49049	0.65882	0.49697	0.77524	8.94E-04	5.6E-05	0.00264	8.3E-07	0.00359	1.10E-03	6.87E-05	0.003228	4.63E-07	4.39E-03	0.000966	5.28E-05	0.006952	4.78E-07	0.007971
1320	490608.06	3859690.74	0.50481	0.63676	0.49091	0.77449	9.20E-04	5.4E-05	0.00261	8.3E-07	0.00358	1.13E-03	6.64E-05	0.003189	4.62E-07	4.38E-03	0.000994	5.11E-05	0.006867	4.78E-07	0.007913
1321	490658.06	3859690.74	0.49696	0.62933	0.49717	0.78575	9.06E-04	5.4E-05	0.00264	8.4E-07	0.0036	1.11E-03	6.56E-05	0.003229	4.69E-07	4.41E-03	0.000979	5.05E-05	0.006955	4.84E-07	0.007985
1322	490708.06	3859690.74	0.48813	0.6192	0.50086	0.76999	8.90E-04	5.3E-05	0.00266	8.2E-07	0.0036	1.09E-03	6.46E-05	0.003253	4.6E-07	4.41E-03	0.000961	4.97E-05	0.007007	4.75E-07	0.008018
1323	490758.06	3859690.74	0.48531	0.63678	0.50236	0.78568	8.85E-04	5.4E-05	0.00267	8.4E-07	0.00361	1.08E-03	6.64E-05	0.003263	4.69E-07	4.41E-03	0.000956	5.11E-05	0.007028	4.84E-07	0.008035
1324	490808.06	3859690.74	0.48602	0.64534	0.49603	0.77876	8.86E-04	5.5E-05	0.00264	8.3E-07	0.00358	1.09E-03	6.73E-05	0.003222	4.65E-07	4.38E-03	0.000957	5.18E-05	0.006939	4.8E-07	0.007948
1325	490858.06	3859690.74	0.48399	0.63269	0.48436	0.77076	8.82E-04	5.4E-05	0.00257	8.2E-07	0.00351	1.08E-03	6.6E-05	0.003146	4.6E-07	4.29E-03	0.000953	5.08E-05	0.006776	4.75E-07	0.00778
1326	490708.06	3859740.74	0.48929	0.6223	0.48233	0.75048	8.92E-04	5.3E-05	0.00256	8E-07	0.00351	1.09E-03	6.49E-05	0.003133	4.48E-07	4.29E-03	0.000964	4.99E-05	0.006747	4.63E-07	0.007761
1327	490758.06	3859740.74	0.47931	0.60381	0.48959	0.75559	8.74E-04	5.1E-05	0.0026	8.1E-07	0.00353	1.07E-03	6.3E-05	0.00318	4.51E-07	4.31E-03	0.000944	4.84E-05	0.006849	4.66E-07	0.007842
1328	490808.06	3859740.74	0.47528	0.60987	0.48973	0.75859	8.66E-04	5.2E-05	0.0026	8.1E-07	0.00352	1.06E-03	6.36E-05	0.003181	4.53E-07	4.31E-03	0.000936	4.89E-05	0.006851	4.68E-07	0.007836
1329	490858.06	3859740.74	0.47235	0.62383	0.4872	0.7537	8.61E-04	5.3E-05	0.00259	8E-07	0.0035	1.06E-03	6.51E-05	0.003165	4.5E-07	4.29E-03	0.00093	5E-05	0.006815	4.65E-07	0.007796
1330	490786.56	3859749.39	0.47548	0.59918	0.48804	0.7429	8.67E-04	5.1E-05	0.00259	7.9E-07	0.00351	1.06E-03	6.25E-05	0.00317	4.43E-07	4.29E-03	0.000936	4.81E-05	0.006827	4.58E-07	0.007812
1331	490836.56	3859749.39	0.47253	0.61137	0.48802	0.75494	8.61E-04	5.2E-05	0.00259	8.1E-07	0.00351	1.06E-03	6.38E-05	0.00317	4.51E-07	4.29E-03	0.000931	4.9E-05	0.006827	4.65E-07	0.007807
1332	490786.56	3859799.39	0.4759	0.60336	0.46782	0.72847	8.67E-04	5.1E-05	0.00249	7.8E-07	0.00341	1.06E-03	6.29E-05	0.003039	4.35E-07	4.17E-03	0.000937	4.84E-05	0.006544	4.49E-07	0.00753
1333	490836.56	3859799.39	0.46848	0.58877	0.47634	0.7068	8.54E-04	5E-05	0.00253	7.5E-07	0.00344	1.05E-03	6.14E-05	0.003094	4.22E-07	4.20E-03	0.000923	4.72E-05	0.006664	4.36E-07	0.007634
1334	492307.84	3854508.36	0.37439	0.49344	0.45161	0.23957	6.82E-04	4.2E-05	0.0024	2.6E-07	0.00312	8.36E-04	5.15E-05	0.002933	1.43E-07	3.82E-03	0.000737	3.96E-05	0.006318	1.48E-07	0.007095
1335	486445.7	3854753.6	0.84761	1.73642	0.81101	0.23404	1.55E-03	0.00015	0.00431	2.5E-07	0.006	1.89E-03	0.000181	0.005268	1.4E-07	7.34E-03	0.001669	0.000139	0.011345	1.44E-07	0.013154
1336	472599.75	3877830.11	0.02523	0.03694	0.02915	0.03955	4.60E-05	3.1E-06	0.00015	4.2E-08	0.0002	5.64E-05	3.85E-06	0.000189	2.36E-08	2.50E-04	4.97E-05	2.96E-06	0.000408	2.44E-08	0.00046
1337	493107.48	3866840.19	0.13245	0.15211	0.14031	0.13454	2.41E-04	1.3E-05	0.00075	1.4E-07	0.001	2.96E-04	1.59E-05	0.000911	8.03E-08	1.22E-03	0.000261	1.22E-05	0.001963	8.3E-08	0.002236
1338	495815.79	3861662.87	0.17602	0.23107	0.20912	0.28829	3.21E-04	2E-05	0.00111	3.1E-07	0.00145	3.93E-04	2.41E-05	0.001358	1.72E-07	1.78E-03	0.000347	1.85E-05	0.002925	1.78E-07	0.003291

1339	480272.33	3841389.2	0.00966	0.01267	0.01017	0.01056	1.76E-05	1.1E-06	5.4E-05	1.1E-08	7.3E-05	2.16E-05	1.32E-06	6.61E-05	6.3E-09	8.90E-05	1.9E-05	1.02E-06	0.000142	6.51E-09	0.000162
1340	497005.18	3862813.64	0.14109	0.18648	0.14651	0.22834	2.57E-04	1.6E-05	0.00078	2.4E-07	0.00105	3.15E-04	1.94E-05	0.000952	1.36E-07	1.29E-03	0.000278	1.5E-05	0.00205	1.41E-07	0.002342
1341	493677.33	3860302.55	0.28957	0.37394	0.32898	0.45424	5.28E-04	3.2E-05	0.00175	4.8E-07	0.00231	6.47E-04	3.9E-05	0.002137	2.71E-07	2.82E-03	0.00057	3E-05	0.004602	2.8E-07	0.005203
1342	493727.33	3860302.55	0.28735	0.37015	0.32774	0.45078	5.24E-04	3.1E-05	0.00174	4.8E-07	0.0023	6.42E-04	3.86E-05	0.002129	2.69E-07	2.81E-03	0.000566	2.97E-05	0.004585	2.78E-07	0.005181
1343	493777.33	3860302.55	0.28408	0.36594	0.32967	0.44398	5.18E-04	3.1E-05	0.00175	4.7E-07	0.0023	6.35E-04	3.82E-05	0.002141	2.65E-07	2.81E-03	0.000559	2.94E-05	0.004612	2.74E-07	0.005201
1344	493827.33	3860302.55	0.28334	0.36119	0.32987	0.4448	5.16E-04	3.1E-05	0.00175	4.7E-07	0.0023	6.33E-04	3.77E-05	0.002143	2.65E-07	2.81E-03	0.000558	2.9E-05	0.004615	2.74E-07	0.005202
1345	493877.33	3860302.55	0.28206	0.35708	0.32707	0.44128	5.14E-04	3E-05	0.00174	4.7E-07	0.00228	6.30E-04	3.72E-05	0.002124	2.63E-07	2.79E-03	0.000556	2.86E-05	0.004575	2.72E-07	0.00516
1346	493927.33	3860302.55	0.28123	0.35814	0.32655	0.4363	5.13E-04	3E-05	0.00174	4.7E-07	0.00228	6.28E-04	3.73E-05	0.002121	2.6E-07	2.79E-03	0.000554	2.87E-05	0.004568	2.69E-07	0.005151
1347	493977.33	3860302.55	0.28194	0.35928	0.32407	0.43158	5.14E-04	3.1E-05	0.00172	4.6E-07	0.00227	6.30E-04	3.75E-05	0.002105	2.58E-07	2.77E-03	0.000555	2.88E-05	0.004533	2.66E-07	0.005118
1348	494027.33	3860302.55	0.28169	0.35862	0.31888	0.42538	5.13E-04	3.1E-05	0.00169	4.5E-07	0.00224	6.29E-04	3.74E-05	0.002071	2.54E-07	2.74E-03	0.000555	2.88E-05	0.004461	2.62E-07	0.005045
1349	493677.33	3860352.55	0.28958	0.37339	0.32892	0.45224	5.28E-04	3.2E-05	0.00175	4.8E-07	0.00231	6.47E-04	3.89E-05	0.002136	2.7E-07	2.82E-03	0.00057	3E-05	0.004601	2.79E-07	0.005202
1350	493727.33	3860352.55	0.28581	0.37223	0.32367	0.44204	5.21E-04	3.2E-05	0.00172	4.7E-07	0.00227	6.38E-04	3.88E-05	0.002102	2.64E-07	2.78E-03	0.000563	2.99E-05	0.004528	2.73E-07	0.005121
1351	493777.33	3860352.55	0.28305	0.36494	0.32225	0.43648	5.16E-04	3.1E-05	0.00171	4.7E-07	0.00226	6.32E-04	3.81E-05	0.002093	2.61E-07	2.76E-03	0.000557	2.93E-05	0.004508	2.69E-07	0.005095
1352	493827.33	3860352.55	0.28061	0.3623	0.32072	0.43015	5.12E-04	3.1E-05	0.0017	4.6E-07	0.00225	6.27E-04	3.78E-05	0.002083	2.57E-07	2.75E-03	0.000553	2.91E-05	0.004487	2.65E-07	0.005069
1353	493877.33	3860352.55	0.27784	0.35735	0.3227	0.43315	5.06E-04	3E-05	0.00171	4.6E-07	0.00225	6.21E-04	3.73E-05	0.002096	2.59E-07	2.75E-03	0.000547	2.87E-05	0.004514	2.67E-07	0.00509
1354	493927.33	3860352.55	0.27763	0.35435	0.3234	0.43466	5.06E-04	3E-05	0.00172	4.6E-07	0.00225	6.20E-04	3.7E-05	0.002101	2.59E-07	2.76E-03	0.000547	2.84E-05	0.004524	2.68E-07	0.0051
1355	493977.33	3860352.55	0.27733	0.35128	0.32199	0.43456	5.06E-04	3E-05	0.00171	4.6E-07	0.00225	6.19E-04	3.66E-05	0.002091	2.59E-07	2.75E-03	0.000546	2.82E-05	0.004504	2.68E-07	0.005079
1356	494027.33	3860352.55	0.27697	0.35005	0.32107	0.43044	5.05E-04	3E-05	0.00171	4.6E-07	0.00224	6.19E-04	3.65E-05	0.002085	2.57E-07	2.74E-03	0.000545	2.81E-05	0.004491	2.65E-07	0.005065
1357	493677.33	3860402.55	0.28986	0.3772	0.32265	0.43443	5.28E-04	3.2E-05	0.00171	4.6E-07	0.00228	6.47E-04	3.93E-05	0.002096	2.59E-07	2.78E-03	0.000571	3.03E-05	0.004514	2.68E-07	0.005115
1358	493727.33	3860402.55	0.2868	0.3721	0.32085	0.43603	5.23E-04	3.2E-05	0.0017	4.7E-07	0.00226	6.41E-04	3.88E-05	0.002084	2.6E-07	2.76E-03	0.000565	2.98E-05	0.004488	2.69E-07	0.005083
1359	493777.33	3860402.55	0.28301	0.36589	0.32237	0.43697	5.16E-04	3.1E-05	0.00171	4.7E-07	0.00226	6.32E-04	3.82E-05	0.002094	2.61E-07	2.76E-03	0.000557	2.94E-05	0.00451	2.69E-07	0.005097
1360	493827.33	3860402.55	0.27917	0.36224	0.31679	0.43564	5.09E-04	3.1E-05	0.00168	4.6E-07	0.00222	6.24E-04	3.78E-05	0.002058	2.6E-07	2.72E-03	0.00055	2.91E-05	0.004432	2.69E-07	0.005011
1361	493877.33	3860402.55	0.27745	0.35791	0.31602	0.4299	5.06E-04	3E-05	0.00168	4.6E-07	0.00222	6.20E-04	3.73E-05	0.002053	2.57E-07	2.71E-03	0.000546	2.87E-05	0.004421	2.65E-07	0.004996
1362	493927.33	3860402.55	0.27518	0.35602	0.3151	0.42252	5.02E-04	3E-05	0.00167	4.5E-07	0.00221	6.15E-04	3.71E-05	0.002047	2.52E-07	2.70E-03	0.000542	2.86E-05	0.004408	2.61E-07	0.004979
1363	493977.33	3860402.55	0.27371	0.35242	0.31797	0.42837	4.99E-04	3E-05	0.00169	4.6E-07	0.00222	6.11E-04	3.67E-05	0.002065	2.56E-07	2.71E-03	0.000539	2.83E-05	0.004448	2.64E-07	0.005016
1364	494027.33	3860402.55	0.27262	0.34856	0.31779	0.42617	4.97E-04	3E-05	0.00169	4.5E-07	0.00222	6.09E-04	3.63E-05	0.002064	2.54E-07	2.71E-03	0.000537	2.8E-05	0.004446	2.63E-07	0.005011
1365	493677.33	3860452.55	0.28567	0.37194	0.32145	0.43375	5.21E-04	3.2E-05	0.00171	4.6E-07	0.00226	6.38E-04	3.88E-05	0.002088	2.59E-07	2.77E-03	0.000563	2.98E-05	0.004497	2.67E-07	0.005089
1366	493727.33	3860452.55	0.28496	0.36946	0.31751	0.42955	5.19E-04	3.1E-05	0.00169	4.6E-07	0.00224	6.37E-04	3.85E-05	0.002062	2.56E-07	2.74E-03	0.000561	2.96E-05	0.004442	2.65E-07	0.005033
1367	493777.33	3860452.55	0.28266	0.36777	0.31522	0.42732	5.15E-04	3.1E-05	0.00167	4.6E-07	0.00222	6.31E-04	3.84E-05	0.002047	2.55E-07	2.72E-03	0.000557	2.95E-05	0.00441	2.63E-07	0.004996
1368	493827.33	3860452.55	0.28052	0.36447	0.31458	0.42857	5.11E-04	3.1E-05	0.00167	4.6E-07	0.00221	6.27E-04	3.8E-05	0.002043	2.56E-07	2.71E-03	0.000552	2.92E-05	0.004401	2.64E-07	0.004983
1369	493877.33	3860452.55	0.27681	0.3578	0.31525	0.42971	5.05E-04	3E-05	0.00167	4.6E-07	0.00221	6.18E-04	3.73E-05	0.002048	2.56E-07	2.70E-03	0.000545	2.87E-05	0.00441	2.65E-07	0.004984
1370	493927.33	3860452.55	0.27457	0.3551	0.31204	0.42909	5.00E-04	3E-05	0.00166	4.6E-07	0.00219	6.13E-04	3.7E-05	0.002027	2.56E-07	2.68E-03	0.000541	2.85E-05	0.004365	2.65E-07	0.004935
1371	493977.33	3860452.55	0.27279	0.35387	0.31165	0.42338	4.97E-04	3E-05	0.00166	4.5E-07	0.00218	6.09E-04	3.69E-05	0.002024	2.53E-07	2.67E-03	0.000537	2.84E-05	0.00436	2.61E-07	0.004926
1372	494027.33	3860452.55	0.26969	0.3492	0.30947	0.41596	4.92E-04	3E-05	0.00164	4.4E-07	0.00217	6.02E-04	3.64E-05	0.00201	2.48E-07	2.65E-03	0.000531	2.8E-05	0.004329	2.56E-07	0.004889
1373	493677.33	3860502.55	0.27684	0.36454	0.32191	0.43047	5.05E-04	3.1E-05	0.00171	4.6E-07	0.00225	6.18E-04	3.8E-05	0.002091	2.57E-07	2.75E-03	0.000545	2.92E-05	0.004503	2.65E-07	0.005078
1374	493727.33	3860502.55	0.27717	0.36152	0.31761	0.42436	5.05E-04	3.1E-05	0.00169	4.5E-07	0.00222	6.19E-04	3.77E-05	0.002063	2.53E-07	2.72E-03	0.000546	2.9E-05	0.004443	2.62E-07	0.005018
1375	493777.33	3860502.55	0.27886	0.3624	0.3137	0.42596	5.08E-04	3.1E-05	0.00167	4.5E-07	0.00221	6.23E-04	3.78E-05	0.002038	2.54E-07	2.70E-03	0.000549	2.91E-05	0.004388	2.63E-07	0.004967
1376	493827.33	3860502.55	0.27814	0.36177	0.31134	0.42282	5.07E-04	3.1E-05	0.00165	4.5E-07	0.00219	6.21E-04	3.77E-05	0.002022	2.52E-07	2.68E-03	0.000548	2.9E-05	0.004355	2.61E-07	0.004932
1377	493877.33	3860502.55	0.27734	0.36154	0.31013	0.42065	5.06E-04	3.1E-05	0.00165	4.5E-07	0.00218	6.20E-04	3.77E-05	0.002014	2.51E-07	2.67E-03	0.000546	2.9E-05	0.004338	2.59E-07	0.004914
1378	493927.33	3860502.55	0.27569	0.35866	0.30994	0.42124	5.03E-04	3.1E-05	0.00165	4.5E-07	0.00218	6.16E-04	3.74E-05	0.002013	2.51E-07	2.67E-03	0.000543	2.88E-05	0.004336	2.6E-07	0.004908
1379	493977.33	3860502.55	0.27165	0.35118	0.30967	0.42249	4.95E-04	3E-05	0.00165	4.5E-07	0.00217	6.07E-04	3.66E-05	0.002011	2.52E-07	2.66E-03	0.000535	2.82E-05	0.004332	2.6E-07	0.004895
1380	494027.33	3860502.55	0.26878	0.34662	0.3052	0.42296	4.90E-04	2.9E-05	0.00162	4.5E-07	0.00214	6.00E-04	3.61E-05	0.001982	2.52E-07	2.62E-03	0.000529	2.78E-05	0.004269	2.61E-07	0.004827
1381	493627.33	3860552.55	0.28021	0.3584	0.3128	0.44213	5.11E-04	3E-05	0.00166	4.7E-07	0.0022	6.26E-04	3.74E-05	0.002032	2.64E-07	2.70E-03	0.000552	2.88E-05	0.004376	2.73E-07	0.004957
1382	493677.33	3860552.55	0.27619	0.34989	0.31526	0.43491	5.03E-04	3E-05	0.00168	4.6E-07	0.00221	6.17E-04	3.65E-05	0.002048	2.6E-07	2.70E-03	0.000544	2.81E-05	0.00441	2.68E-07	0.004982
1383	493727.33	3860552.55	0.27242	0.35355	0.31451	0.42675	4.97E-04	3E-05	0.00167	4.6E-07	0.0022	6.09E-04	3.69E-05	0.002043	2.55E-07	2.69E-03	0.000537	2.84E-05	0.0044	2.63E-07	0.004965
1384	493777.33	3860552.55	0.27015	0.35507	0.31433	0.42204	4.92E-04	3E-05	0.00167	4.5E-07	0.00219	6.03E-04	3.7E-05	0.002042	2.52E-07	2.68E-03	0.000532	2.85E-05	0.004397	2.6E-07	0.004958
1385	493827.33	3860552.55	0.27172	0.35332	0.31126	0.41562	4.95E-04	3E-05	0.00165	4.4E-07	0.00218	6.07E-04	3.68E-05	0.002022	2.48E-07	2.67E-03	0.000535	2.83E-05	0.004354	2.56E-07	0.004918
1386	493877.33	3860552.55	0.27296	0.35475	0.30717	0.41826	4.98E-04	3E-05	0.00163	4.5E-07	0.00216	6.10E-04	3.7E-05	0.001995	2.5E-07	2.64E-03	0.000538	2.85E-05	0.004297	2.58E-07	0.004863
1387	493927.33	3860552.55	0.272	0.35519	0.30544	0.41631	4.96E-04	3E-05	0.00162	4.4E-07	0.00215	6.08E-04	3.7E-05	0.001984	2.48E-07	2.63E-03	0.000536	2.85E-05	0.004273	2.57E-07	0.004837
1388	493977.33	3860552.55	0.27193	0.35458	0.30499	0.41416	4.96E-04	3E-05	0.00162	4.4E-07	0.00215	6.07E-04	3.7E-05	0.001981	2.47E-07	2.63E-03	0.000536	2.84E-05	0.004267	2.55E-07	0.004831
1389	494027.33	3860552.55	0.26985	0.34978	0.3035	0.41418	4.92E-04	3E-05	0.00161	4.4E-07	0.00213	6.03E-04	3.65E-05	0.001971	2.47E-07	2.61E-03	0.000531	2.81E-05	0.004246	2.55E-07	0.004805
1390	493627.33	3860602.55	0.27924	0.36092	0.31045	0.43822	5.09E-04	3.1E-05	0.00165	4.7E-07	0.00219	6.24E-04	3.76E-05	0.002016	2.62E-07	2.68E-03	0.00055	2.9E-05	0.004343	2.7E-07	0.004922
1391	493727.33	3860602.55	0.27215	0.34769	0.30434	0.4324	4.96E-04	3E-05	0.00162	4.6E-07	0.00214	6.08E-04	3.63E-05	0.001977	2.58E-07	2.62E-03	0.000536	2.79E-05	0.004257	2.67E-07	0.004822
1392	493777.33	3860602.55	0.26985	0.34193	0.30935	0.4257	4.92E-04	2.9E-05	0.00164	4.5E-07	0.00217	6.03E-04	3.57E-05	0.002009	2.54E-07	2.65E-03	0.000531	2.74E-05	0.004327	2.62E-07	0.004887
1393	493827.33	3860602.55	0.26653	0.34513	0.30872	0.41889	4.86E-04	2.9E-05	0.00164	4.5E-07	0.00216	5.95E-04	3.6E-05	0.002005	2.5E-07	2.64E-03	0.000525	2.77E-05	0.004319	2.58E-07	0.004872
1394	493877.33	3860602.55	0.26537	0.34827	0.30915	0.41411	4.84E-04	3E-05	0.00164	4.4E-07	0.00216	5.93E-04	3.63E-05	0.002008	2.47E-07	2.64E-03	0.000523	2.79E-05	0.004325	2.55E-07	0.004876
1395	493927.33	3860602.55	0.26658	0.34577	0.30546	0.40812	4.86E-04	2.9E-05	0.00162	4.4E-07	0.00214	5.95E-04	3.61E-05	0.001984	2.44E-07	2.62E-03	0.000525	2.77E-05	0.004273	2.52E-07	0.004826
1396	493977.33	3860602.55	0.26745	0.34899	0.30214	0.41102	4.88E-04	3E-05	0.00161	4.4E-07	0.00212	5.97E-04	3.64E-05	0.001962	2.45E-07	2.60E-03	0.000527	2.8E-05	0.004227	2.53E-07	0.004782
1397	494027.33	3860602.55	0.26572	0.348	0.29861	0.40984	4.84E-04	3E-05	0.00159	4.4E-07	0.0021	5.94E-04	3.63E-05	0.00194	2.45E-07	2.57E-03	0.000523	2.79E-05	0.004177	2.53E-07	0.004729
1398	493627.33	3860652.55	0.26927	0.35962	0.30409	0.43471	4.91E-04	3.1E-05	0.00162	4.6E-07	0.00214	6.01E-04	3.75E-05	0.001975	2.59E-07	2.61E-03	0.00053	2.88E-05	0.004254	2.68E-07	0.004813
1399	493727.33	3860652.55	0.27063	0.34942	0.30156	0.4289	4.93E-04	3E-05	0.0016	4.6E-07	0.00213	6.05E-04	3.64E-05	0.001959	2.56E-07	2.60E-03	0.000533	2.8E-05	0.004219	2.64E-07	0.00478

1400	493777.33	3860652.55	0.26977	0.34494	0.29969	0.42771	4.92E-04	2.9E-05	0.00159	4.6E-07	0.00211	6.03E-04	3.6E-05	0.001947	2.55E-07	2.59E-03	0.000531	2.77E-05	0.004192	2.64E-07	0.004752
1401	493827.33	3860652.55	0.26702	0.34238	0.29979	0.42419	4.87E-04	2.9E-05	0.00159	4.5E-07	0.00211	5.96E-04	3.57E-05	0.001947	2.53E-07	2.58E-03	0.000526	2.75E-05	0.004194	2.62E-07	0.004747
1402	493877.33	3860652.55	0.26483	0.33631	0.30503	0.41762	4.83E-04	2.9E-05	0.00162	4.5E-07	0.00213	5.92E-04	3.51E-05	0.001981	2.49E-07	2.61E-03	0.000522	2.7E-05	0.004267	2.57E-07	0.004816
1403	493927.33	3860652.55	0.26207	0.33832	0.30404	0.4102	4.78E-04	2.9E-05	0.00162	4.4E-07	0.00212	5.85E-04	3.53E-05	0.001975	2.45E-07	2.60E-03	0.000516	2.71E-05	0.004253	2.53E-07	0.004797
1404	493977.33	3860652.55	0.2603	0.34083	0.30356	0.4055	4.74E-04	2.9E-05	0.00161	4.3E-07	0.00212	5.81E-04	3.55E-05	0.001972	2.42E-07	2.59E-03	0.000513	2.73E-05	0.004246	2.5E-07	0.004787
1405	494027.33	3860652.55	0.26179	0.33947	0.30014	0.40126	4.77E-04	2.9E-05	0.00159	4.3E-07	0.0021	5.85E-04	3.54E-05	0.001949	2.39E-07	2.57E-03	0.000516	2.72E-05	0.004199	2.47E-07	0.004742
1406	494311.06	3858401.99	0.17163	0.22961	0.19903	0.16009	3.13E-04	2E-05	0.00106	1.7E-07	0.00139	3.83E-04	2.39E-05	0.001293	9.55E-08	1.70E-03	0.000338	1.84E-05	0.002784	9.87E-08	0.003141
1407	494361.06	3858401.99	0.16867	0.22398	0.19171	0.15778	3.07E-04	1.9E-05	0.00102	1.7E-07	0.00135	3.77E-04	2.34E-05	0.001245	9.42E-08	1.65E-03	0.000332	1.8E-05	0.002682	9.73E-08	0.003032
1408	494411.06	3858401.99	0.16664	0.22136	0.18813	0.15634	3.04E-04	1.9E-05	0.001	1.7E-07	0.00132	3.72E-04	2.31E-05	0.001222	9.33E-08	1.62E-03	0.000328	1.78E-05	0.002632	9.64E-08	0.002978
1409	494461.06	3858401.99	0.16575	0.22079	0.18751	0.15575	3.02E-04	1.9E-05	0.001	1.7E-07	0.00132	3.70E-04	2.3E-05	0.001218	9.3E-08	1.61E-03	0.000326	1.77E-05	0.002623	9.6E-08	0.002967
1410	494511.06	3858401.99	0.16292	0.21752	0.18483	0.1539	2.97E-04	1.9E-05	0.00098	1.6E-07	0.0013	3.64E-04	2.27E-05	0.001201	9.19E-08	1.59E-03	0.000321	1.74E-05	0.002586	9.49E-08	0.002924
1411	494561.06	3858401.99	0.16219	0.21607	0.18499	0.15308	2.96E-04	1.8E-05	0.00098	1.6E-07	0.0013	3.62E-04	2.25E-05	0.001202	9.14E-08	1.59E-03	0.000319	1.73E-05	0.002588	9.44E-08	0.002925
1412	494611.06	3858401.99	0.16007	0.21316	0.18105	0.15086	2.92E-04	1.8E-05	0.00096	1.6E-07	0.00127	3.58E-04	2.22E-05	0.001176	9E-08	1.56E-03	0.000315	1.71E-05	0.002533	9.3E-08	0.002865
1413	494661.06	3858401.99	0.15797	0.20965	0.17755	0.14899	2.88E-04	1.8E-05	0.00094	1.6E-07	0.00125	3.53E-04	2.19E-05	0.001153	8.89E-08	1.53E-03	0.000311	1.68E-05	0.002484	9.19E-08	0.002812
1414	494711.06	3858401.99	0.15439	0.20556	0.17226	0.14644	2.81E-04	1.7E-05	0.00092	1.6E-07	0.00121	3.45E-04	2.14E-05	0.001119	8.74E-08	1.49E-03	0.000304	1.65E-05	0.00241	9.03E-08	0.00273
1415	494761.06	3858401.99	0.15277	0.20337	0.16989	0.14533	2.78E-04	1.7E-05	0.0009	1.6E-07	0.0012	3.41E-04	2.12E-05	0.001103	8.67E-08	1.47E-03	0.000301	1.63E-05	0.002377	8.96E-08	0.002694
1416	494811.06	3858401.99	0.15012	0.20008	0.16704	0.14348	2.74E-04	1.7E-05	0.00089	1.5E-07	0.00118	3.35E-04	2.09E-05	0.001085	8.56E-08	1.44E-03	0.000296	1.6E-05	0.002337	8.85E-08	0.002649
1417	494861.06	3858401.99	0.14772	0.19595	0.16403	0.14208	2.69E-04	1.7E-05	0.00087	1.5E-07	0.00116	3.30E-04	2.04E-05	0.001065	8.48E-08	1.42E-03	0.000291	1.57E-05	0.002295	8.76E-08	0.002601
1418	494911.06	3858401.99	0.14596	0.19074	0.16087	0.14102	2.66E-04	1.6E-05	0.00085	1.5E-07	0.00114	3.26E-04	1.99E-05	0.001045	8.42E-08	1.39E-03	0.000287	1.53E-05	0.00225	8.69E-08	0.002553
1419	494961.06	3858401.99	0.14431	0.18664	0.15909	0.13988	2.63E-04	1.6E-05	0.00085	1.5E-07	0.00112	3.22E-04	1.95E-05	0.001033	8.35E-08	1.38E-03	0.000284	1.5E-05	0.002226	8.62E-08	0.002525
1420	495011.06	3858401.99	0.14165	0.18312	0.15603	0.13824	2.58E-04	1.6E-05	0.00083	1.5E-07	0.0011	3.16E-04	1.91E-05	0.001013	8.25E-08	1.35E-03	0.000279	1.47E-05	0.002183	8.52E-08	0.002476
1421	495061.06	3858401.99	0.13925	0.18036	0.1535	0.13596	2.54E-04	1.5E-05	0.00082	1.5E-07	0.00108	3.11E-04	1.88E-05	0.000997	8.11E-08	1.33E-03	0.000274	1.45E-05	0.002147	8.38E-08	0.002436
1422	495111.06	3858401.99	0.13499	0.17312	0.14837	0.13341	2.46E-04	1.5E-05	0.00079	1.4E-07	0.00105	3.02E-04	1.81E-05	0.000964	7.96E-08	1.28E-03	0.000266	1.39E-05	0.002076	8.23E-08	0.002355
1423	495161.06	3858401.99	0.13413	0.17262	0.14738	0.13304	2.44E-04	1.5E-05	0.00078	1.4E-07	0.00104	3.00E-04	1.8E-05	0.000957	7.94E-08	1.27E-03	0.000264	1.38E-05	0.002062	8.2E-08	0.00234
1424	495211.06	3858401.99	0.12989	0.16527	0.14215	0.13026	2.37E-04	1.4E-05	0.00076	1.4E-07	0.00101	2.90E-04	1.72E-05	0.000923	7.77E-08	1.23E-03	0.000256	1.33E-05	0.001989	8.03E-08	0.002258
1425	495261.06	3858401.99	0.12767	0.1627	0.13912	0.12887	2.33E-04	1.4E-05	0.00074	1.4E-07	0.00099	2.85E-04	1.7E-05	0.000904	7.69E-08	1.21E-03	0.000251	1.31E-05	0.001946	7.95E-08	0.002211
1426	495311.06	3858401.99	0.12597	0.15828	0.13639	0.12739	2.30E-04	1.3E-05	0.00072	1.4E-07	0.00097	2.81E-04	1.65E-05	0.000886	7.6E-08	1.18E-03	0.000248	1.27E-05	0.001908	7.85E-08	0.002169
1427	495361.06	3858401.99	0.12499	0.15619	0.13516	0.12634	2.28E-04	1.3E-05	0.00072	1.3E-07	0.00096	2.79E-04	1.63E-05	0.000878	7.54E-08	1.17E-03	0.000246	1.25E-05	0.001891	7.79E-08	0.00215
1428	495411.06	3858401.99	0.12465	0.15565	0.13459	0.1257	2.27E-04	1.3E-05	0.00072	1.3E-07	0.00096	2.78E-04	1.62E-05	0.000874	7.5E-08	1.17E-03	0.000245	1.25E-05	0.001883	7.75E-08	0.002141
1429	495461.06	3858401.99	0.12453	0.15556	0.13469	0.12519	2.27E-04	1.3E-05	0.00072	1.3E-07	0.00096	2.78E-04	1.62E-05	0.000875	7.47E-08	1.17E-03	0.000245	1.25E-05	0.001884	7.72E-08	0.002142
1430	495511.06	3858401.99	0.12411	0.15486	0.13459	0.12464	2.26E-04	1.3E-05	0.00072	1.3E-07	0.00095	2.77E-04	1.61E-05	0.000874	7.44E-08	1.17E-03	0.000244	1.24E-05	0.001883	7.68E-08	0.00214
1431	495561.06	3858401.99	0.12164	0.15226	0.1342	0.12322	2.22E-04	1.3E-05	0.00071	1.3E-07	0.00095	2.72E-04	1.59E-05	0.000872	7.35E-08	1.16E-03	0.00024	1.22E-05	0.001877	7.6E-08	0.002129
1432	495611.06	3858401.99	0.12085	0.15135	0.13421	0.12265	2.20E-04	1.3E-05	0.00071	1.3E-07	0.00095	2.70E-04	1.58E-05	0.000872	7.32E-08	1.16E-03	0.000238	1.21E-05	0.001877	7.56E-08	0.002128
1433	495661.06	3858401.99	0.12293	0.15392	0.13475	0.12365	2.24E-04	1.3E-05	0.00072	1.3E-07	0.00095	2.75E-04	1.61E-05	0.000875	7.38E-08	1.17E-03	0.000242	1.23E-05	0.001885	7.62E-08	0.00214
1434	494311.06	3858451.99	0.17558	0.24352	0.20823	0.16381	3.20E-04	2.1E-05	0.00111	1.7E-07	0.00145	3.92E-04	2.54E-05	0.001353	9.78E-08	1.77E-03	0.000346	1.95E-05	0.002913	1.01E-07	0.003278
1435	494361.06	3858451.99	0.17279	0.2378	0.20397	0.16117	3.15E-04	2E-05	0.00108	1.7E-07	0.00142	3.86E-04	2.48E-05	0.001325	9.62E-08	1.74E-03	0.00034	1.91E-05	0.002853	9.94E-08	0.003213
1436	494411.06	3858451.99	0.17102	0.23335	0.2013	0.15907	3.12E-04	2E-05	0.00107	1.7E-07	0.0014	3.82E-04	2.43E-05	0.001308	9.49E-08	1.71E-03	0.000337	1.87E-05	0.002816	9.81E-08	0.003172
1437	494461.06	3858451.99	0.16963	0.23008	0.19951	0.15781	3.09E-04	2E-05	0.00106	1.7E-07	0.00139	3.79E-04	2.4E-05	0.001296	9.42E-08	1.70E-03	0.000334	1.85E-05	0.002791	9.73E-08	0.003144
1438	494511.06	3858451.99	0.16906	0.2283	0.19796	0.15718	3.08E-04	1.9E-05	0.00105	1.7E-07	0.00138	3.78E-04	2.38E-05	0.001286	9.38E-08	1.69E-03	0.000333	1.83E-05	0.002769	9.69E-08	0.003121
1439	494561.06	3858451.99	0.16672	0.2234	0.19362	0.15521	3.04E-04	1.9E-05	0.00103	1.7E-07	0.00135	3.72E-04	2.33E-05	0.001258	9.26E-08	1.65E-03	0.000328	1.79E-05	0.002709	9.57E-08	0.003055
1440	494611.06	3858451.99	0.16512	0.21917	0.18991	0.15377	3.01E-04	1.9E-05	0.00101	1.6E-07	0.00133	3.69E-04	2.29E-05	0.001234	9.18E-08	1.63E-03	0.000325	1.76E-05	0.002657	9.48E-08	0.003
1441	494661.06	3858451.99	0.16316	0.21644	0.18609	0.15221	2.97E-04	1.8E-05	0.00099	1.6E-07	0.0013	3.64E-04	2.26E-05	0.001209	9.08E-08	1.60E-03	0.000321	1.74E-05	0.002603	9.38E-08	0.002942
1442	494711.06	3858451.99	0.16066	0.21344	0.18236	0.15014	2.93E-04	1.8E-05	0.00097	1.6E-07	0.00128	3.59E-04	2.23E-05	0.001184	8.96E-08	1.57E-03	0.000316	1.71E-05	0.002551	9.26E-08	0.002885
1443	494761.06	3858451.99	0.15783	0.20961	0.17984	0.14803	2.88E-04	1.8E-05	0.00096	1.6E-07	0.00126	3.53E-04	2.19E-05	0.001168	8.84E-08	1.54E-03	0.000311	1.68E-05	0.002516	9.13E-08	0.002844
1444	494811.06	3858451.99	0.15593	0.20726	0.17609	0.14651	2.84E-04	1.8E-05	0.00094	1.6E-07	0.00124	3.48E-04	2.16E-05	0.001144	8.74E-08	1.51E-03	0.000307	1.66E-05	0.002463	9.03E-08	0.002787
1445	494861.06	3858451.99	0.15295	0.20368	0.17109	0.14457	2.79E-04	1.7E-05	0.00091	1.5E-07	0.00121	3.42E-04	2.12E-05	0.001111	8.63E-08	1.47E-03	0.000301	1.63E-05	0.002393	8.91E-08	0.002711
1446	494911.06	3858451.99	0.14993	0.19847	0.16645	0.14146	2.73E-04	1.7E-05	0.00088	1.5E-07	0.00117	3.35E-04	2.07E-05	0.001081	8.44E-08	1.44E-03	0.000295	1.59E-05	0.002328	8.72E-08	0.00264
1447	494961.06	3858451.99	0.14646	0.19399	0.16278	0.14017	2.67E-04	1.7E-05	0.00086	1.5E-07	0.00115	3.27E-04	2.02E-05	0.001057	8.37E-08	1.40E-03	0.000288	1.56E-05	0.002277	8.64E-08	0.002581
1448	495011.06	3858451.99	0.143	0.18879	0.15795	0.13798	2.61E-04	1.6E-05	0.00084	1.5E-07	0.00112	3.19E-04	1.97E-05	0.001026	8.24E-08	1.37E-03	0.000282	1.51E-05	0.00221	8.51E-08	0.002506
1449	495061.06	3858451.99	0.14187	0.18677	0.15629	0.13722	2.59E-04	1.6E-05	0.00083	1.5E-07	0.00111	3.17E-04	1.95E-05	0.001015	8.19E-08	1.35E-03	0.000279	1.5E-05	0.002186	8.46E-08	0.002481
1450	495111.06	3858451.99	0.13936	0.18209	0.15359	0.1355	2.54E-04	1.5E-05	0.00082	1.4E-07	0.00109	3.11E-04	1.9E-05	0.000998	8.09E-08	1.33E-03	0.000274	1.46E-05	0.002149	8.35E-08	0.002438
1451	495161.06	3858451.99	0.13626	0.17674	0.1499	0.13255	2.48E-04	1.5E-05	0.0008	1.4E-07	0.00106	3.04E-04	1.84E-05	0.000974	7.91E-08	1.30E-03	0.000268	1.42E-05	0.002097	8.17E-08	0.00238
1452	495211.06	3858451.99	0.13312	0.17112	0.14652	0.13061	2.43E-04	1.5E-05	0.00078	1.4E-07	0.00104	2.97E-04	1.78E-05	0.000952	7.8E-08	1.27E-03	0.000262	1.37E-05	0.00205	8.05E-08	0.002326
1453	495261.06	3858451.99	0.1312	0.16787	0.14455	0.12945	2.39E-04	1.4E-05	0.00077	1.4E-07	0.00102	2.93E-04	1.75E-05	0.000939	7.73E-08	1.25E-03	0.000258	1.35E-05	0.002022	7.98E-08	0.002294
1454	495311.06	3858451.99	0.12978	0.16473	0.14271	0.12801	2.37E-04	1.4E-05	0.00076	1.4E-07	0.00101	2.90E-04	1.72E-05	0.000927	7.64E-08	1.23E-03	0.000256	1.32E-05	0.001996	7.89E-08	0.002265
1455	495361.06	3858451.99	0.12873	0.16206	0.14148	0.12698	2.35E-04	1.4E-05	0.00075	1.4E-07	0.001	2.88E-04	1.69E-05	0.000919	7.58E-08	1.22E-03	0.000254	1.3E-05	0.001979	7.83E-08	0.002246
1456	495411.06	3858451.99	0.12861	0.16112	0.14092	0.12643	2.34E-04	1.4E-05	0.00075	1.3E-07	0.001	2.87E-04	1.68E-05	0.000915	7.55E-08	1.22E-03	0.000253	1.29E-05	0.001971	7.8E-08	0.002238
1457	495461.06	3858451.99	0.12846	0.16119	0.14045	0.12615	2.34E-04	1.4E-05	0.00075	1.3E-07	0.00099	2.87E-04	1.68E-05	0.000912	7.53E-08	1.22E-03	0.000253	1.29E-05	0.001965	7.78E-08	0.002231
1458	495511.06	3858451.99	0.12685	0.15858	0.13842	0.12512	2.31E-04	1.3E-05	0.00074	1.3E-07	0.00098	2.83E-04	1.65E-05	0.000899	7.47E-08	1.20E-03	0.00025	1.27E-05	0.001936	7.71E-08	0.002199
1459	495561.06	3858451.99	0.12769	0.16152	0.13908	0.12557	2.33E-04	1.4E-05	0.00074	1.3E-07	0.00099	2.85E-04	1.68E-05	0.000903	7.49E-08	1.21E-03	0.000251	1.3E-05	0.001946	7.74E-08	0.00221
1460	495611.06	3858451.99	0.12574	0.15738	0.13645	0.12421	2.29E-04	1.3E-05	0.00072	1.3E-07	0.00097	2.81E-04	1.64E-05	0.000886	7.41E-08	1.18E-03	0.000248	1.26E-05	0.001909	7.66E-08	0.002169

1461	495661.06	3858451.99	0.12599	0.15685	0.13671	0.12426	2.30E-04	1.3E-05	0.00073	1.3E-07	0.00097	2.81E-04	1.64E-05	0.000888	7.42E-08	1.19E-03	0.000248	1.26E-05	0.001912	7.66E-08	0.002173
1462	494311.06	3858501.99	0.17944	0.24713	0.21119	0.1654	3.27E-04	2.1E-05	0.00112	1.8E-07	0.00147	4.01E-04	2.58E-05	0.001372	9.87E-08	1.80E-03	0.000353	1.98E-05	0.002954	1.02E-07	0.003328
1463	494361.06	3858501.99	0.17689	0.24487	0.20898	0.16348	3.22E-04	2.1E-05	0.00111	1.7E-07	0.00145	3.95E-04	2.55E-05	0.001357	9.76E-08	1.78E-03	0.000348	1.96E-05	0.002923	1.01E-07	0.003292
1464	494411.06	3858501.99	0.17384	0.24174	0.20678	0.16172	3.17E-04	2.1E-05	0.0011	1.7E-07	0.00144	3.88E-04	2.52E-05	0.001343	9.65E-08	1.76E-03	0.000342	1.94E-05	0.002893	9.97E-08	0.003255
1465	494461.06	3858501.99	0.17304	0.23867	0.20579	0.16076	3.15E-04	2E-05	0.00109	1.7E-07	0.00143	3.87E-04	2.49E-05	0.001337	9.59E-08	1.75E-03	0.000341	1.91E-05	0.002879	9.91E-08	0.003239
1466	494511.06	3858501.99	0.16992	0.23339	0.20121	0.15823	3.10E-04	2E-05	0.00107	1.7E-07	0.0014	3.80E-04	2.43E-05	0.001307	9.44E-08	1.71E-03	0.000335	1.87E-05	0.002815	9.76E-08	0.003168
1467	494561.06	3858501.99	0.17128	0.2347	0.20182	0.15886	3.12E-04	2E-05	0.00107	1.7E-07	0.0014	3.83E-04	2.45E-05	0.001311	9.48E-08	1.72E-03	0.000337	1.88E-05	0.002823	9.79E-08	0.00318
1468	494611.06	3858501.99	0.16885	0.23033	0.19868	0.15688	3.08E-04	2E-05	0.00106	1.7E-07	0.00138	3.77E-04	2.4E-05	0.00129	9.36E-08	1.69E-03	0.000333	1.85E-05	0.002779	9.67E-08	0.00313
1469	494661.06	3858501.99	0.16777	0.22721	0.19737	0.15555	3.06E-04	1.9E-05	0.00105	1.7E-07	0.00137	3.75E-04	2.37E-05	0.001282	9.28E-08	1.68E-03	0.00033	1.82E-05	0.002761	9.59E-08	0.00311
1470	494711.06	3858501.99	0.16539	0.22216	0.19386	0.15298	3.01E-04	1.9E-05	0.00103	1.6E-07	0.00135	3.69E-04	2.32E-05	0.001259	9.13E-08	1.65E-03	0.000326	1.78E-05	0.002712	9.43E-08	0.003056
1471	494761.06	3858501.99	0.16212	0.21602	0.18837	0.15007	2.96E-04	1.8E-05	0.001	1.6E-07	0.00131	3.62E-04	2.25E-05	0.001224	8.96E-08	1.61E-03	0.000319	1.73E-05	0.002635	9.25E-08	0.002972
1472	494811.06	3858501.99	0.15899	0.21117	0.18236	0.14781	2.90E-04	1.8E-05	0.00097	1.6E-07	0.00128	3.55E-04	2.2E-05	0.001184	8.82E-08	1.56E-03	0.000313	1.69E-05	0.002551	9.11E-08	0.002881
1473	494861.06	3858501.99	0.15756	0.20759	0.17897	0.14632	2.87E-04	1.8E-05	0.00095	1.6E-07	0.00126	3.52E-04	2.16E-05	0.001162	8.73E-08	1.54E-03	0.00031	1.67E-05	0.002504	9.02E-08	0.002831
1474	494911.06	3858501.99	0.15356	0.20263	0.17348	0.14325	2.80E-04	1.7E-05	0.00092	1.5E-07	0.00122	3.43E-04	2.11E-05	0.001127	8.55E-08	1.49E-03	0.000302	1.63E-05	0.002427	8.83E-08	0.002746
1475	494961.06	3858501.99	0.15174	0.20017	0.16948	0.14201	2.77E-04	1.7E-05	0.0009	1.5E-07	0.00119	3.39E-04	2.09E-05	0.001101	8.48E-08	1.46E-03	0.000299	1.61E-05	0.002371	8.76E-08	0.002686
1476	495011.06	3858501.99	0.14747	0.19566	0.1642	0.13956	2.69E-04	1.7E-05	0.00087	1.5E-07	0.00116	3.29E-04	2.04E-05	0.001067	8.33E-08	1.42E-03	0.00029	1.57E-05	0.002297	8.6E-08	0.002603
1477	495061.06	3858501.99	0.14583	0.19524	0.16221	0.13864	2.66E-04	1.7E-05	0.00086	1.5E-07	0.00114	3.26E-04	2.04E-05	0.001054	8.27E-08	1.40E-03	0.000287	1.57E-05	0.002269	8.55E-08	0.002572
1478	495111.06	3858501.99	0.14063	0.18771	0.15536	0.13542	2.56E-04	1.6E-05	0.00083	1.4E-07	0.0011	3.14E-04	1.96E-05	0.001009	8.08E-08	1.34E-03	0.000277	1.51E-05	0.002173	8.35E-08	0.002465
1479	495161.06	3858501.99	0.13792	0.18313	0.1511	0.13355	2.51E-04	1.6E-05	0.0008	1.4E-07	0.00107	3.08E-04	1.91E-05	0.000981	7.97E-08	1.31E-03	0.000272	1.47E-05	0.002114	8.23E-08	0.0024
1480	495211.06	3858501.99	0.13564	0.17825	0.14758	0.13197	2.47E-04	1.5E-05	0.00078	1.4E-07	0.00105	3.03E-04	1.86E-05	0.000959	7.88E-08	1.28E-03	0.000267	1.43E-05	0.002064	8.14E-08	0.002346
1481	495261.06	3858501.99	0.1342	0.17481	0.14624	0.1299	2.45E-04	1.5E-05	0.00078	1.4E-07	0.00104	3.00E-04	1.82E-05	0.00095	7.75E-08	1.27E-03	0.000264	1.4E-05	0.002046	8.01E-08	0.002324
1482	495311.06	3858501.99	0.13346	0.17322	0.14586	0.12933	2.43E-04	1.5E-05	0.00077	1.4E-07	0.00103	2.98E-04	1.81E-05	0.000947	7.72E-08	1.26E-03	0.000263	1.39E-05	0.00204	7.97E-08	0.002317
1483	495361.06	3858501.99	0.13276	0.17213	0.1453	0.12886	2.42E-04	1.5E-05	0.00077	1.4E-07	0.00103	2.97E-04	1.79E-05	0.000944	7.69E-08	1.26E-03	0.000261	1.38E-05	0.002033	7.95E-08	0.002308
1484	495411.06	3858501.99	0.1322	0.17203	0.14496	0.12853	2.41E-04	1.5E-05	0.00077	1.4E-07	0.00103	2.95E-04	1.79E-05	0.000942	7.67E-08	1.25E-03	0.00026	1.38E-05	0.002028	7.92E-08	0.002302
1485	495461.06	3858501.99	0.1318	0.17202	0.14463	0.12812	2.40E-04	1.5E-05	0.00077	1.4E-07	0.00102	2.94E-04	1.79E-05	0.000939	7.65E-08	1.25E-03	0.00026	1.38E-05	0.002023	7.9E-08	0.002297
1486	495511.06	3858501.99	0.13111	0.17034	0.14381	0.12732	2.39E-04	1.4E-05	0.00076	1.4E-07	0.00102	2.93E-04	1.78E-05	0.000934	7.6E-08	1.24E-03	0.000258	1.37E-05	0.002012	7.85E-08	0.002284
1487	495561.06	3858501.99	0.13125	0.17021	0.14453	0.1275	2.39E-04	1.4E-05	0.00077	1.4E-07	0.00102	2.93E-04	1.77E-05	0.000939	7.61E-08	1.25E-03	0.000258	1.37E-05	0.002022	7.86E-08	0.002294
1488	495611.06	3858501.99	0.12981	0.16518	0.1433	0.12575	2.37E-04	1.4E-05	0.00076	1.3E-07	0.00101	2.90E-04	1.72E-05	0.000931	7.51E-08	1.24E-03	0.000256	1.33E-05	0.002005	7.75E-08	0.002274
1489	495661.06	3858501.99	0.13024	0.1667	0.14295	0.12592	2.37E-04	1.4E-05	0.00076	1.3E-07	0.00101	2.91E-04	1.74E-05	0.000929	7.52E-08	1.24E-03	0.000257	1.34E-05	0.002	7.76E-08	0.00227
1490	494311.06	3858551.99	0.1784	0.24137	0.20935	0.16306	3.25E-04	2.1E-05	0.00111	1.7E-07	0.00146	3.98E-04	2.52E-05	0.00136	9.73E-08	1.78E-03	0.000351	1.94E-05	0.002929	1.01E-07	0.003299
1491	494361.06	3858551.99	0.18006	0.24518	0.21336	0.16431	3.28E-04	2.1E-05	0.00113	1.8E-07	0.00148	4.02E-04	2.56E-05	0.001386	9.81E-08	1.81E-03	0.000355	1.97E-05	0.002985	1.01E-07	0.003359
1492	494411.06	3858551.99	0.18266	0.25078	0.21557	0.1657	3.33E-04	2.1E-05	0.00115	1.8E-07	0.0015	4.08E-04	2.62E-05	0.0014	9.89E-08	1.83E-03	0.00036	2.01E-05	0.003016	1.02E-07	0.003396
1493	494461.06	3858551.99	0.18222	0.24898	0.21571	0.16526	3.32E-04	2.1E-05	0.00115	1.8E-07	0.0015	4.07E-04	2.6E-05	0.001401	9.86E-08	1.83E-03	0.000359	2E-05	0.003018	1.02E-07	0.003397
1494	494511.06	3858551.99	0.1794	0.24639	0.21316	0.16373	3.27E-04	2.1E-05	0.00113	1.7E-07	0.00148	4.01E-04	2.57E-05	0.001385	9.77E-08	1.81E-03	0.000353	1.98E-05	0.002982	1.01E-07	0.003355
1495	494561.06	3858551.99	0.17736	0.24493	0.21152	0.16249	3.23E-04	2.1E-05	0.00112	1.7E-07	0.00147	3.96E-04	2.55E-05	0.001374	9.7E-08	1.80E-03	0.000349	1.96E-05	0.002959	1E-07	0.003328
1496	494611.06	3858551.99	0.1756	0.24271	0.20874	0.16086	3.20E-04	2.1E-05	0.00111	1.7E-07	0.00145	3.92E-04	2.53E-05	0.001356	9.6E-08	1.77E-03	0.000346	1.95E-05	0.00292	9.92E-08	0.003285
1497	494661.06	3858551.99	0.1742	0.2397	0.20685	0.15956	3.18E-04	2E-05	0.0011	1.7E-07	0.00144	3.89E-04	2.5E-05	0.001344	9.52E-08	1.76E-03	0.000343	1.92E-05	0.002894	9.84E-08	0.003256
1498	494711.06	3858551.99	0.16999	0.23117	0.20206	0.15698	3.10E-04	2E-05	0.00107	1.7E-07	0.0014	3.80E-04	2.41E-05	0.001312	9.37E-08	1.72E-03	0.000335	1.85E-05	0.002827	9.68E-08	0.00318
1499	494761.06	3858551.99	0.16631	0.22412	0.19675	0.15456	3.03E-04	1.9E-05	0.00105	1.6E-07	0.00137	3.71E-04	2.34E-05	0.001278	9.22E-08	1.67E-03	0.000328	1.8E-05	0.002752	9.53E-08	0.003098
1500	494811.06	3858551.99	0.16428	0.22114	0.19377	0.15272	2.99E-04	1.9E-05	0.00103	1.6E-07	0.00135	3.67E-04	2.31E-05	0.001259	9.11E-08	1.65E-03	0.000324	1.77E-05	0.002711	9.42E-08	0.003052
1501	494861.06	3858551.99	0.16109	0.21745	0.18975	0.14995	2.94E-04	1.9E-05	0.00101	1.6E-07	0.00132	3.60E-04	2.27E-05	0.001232	8.95E-08	1.62E-03	0.000317	1.74E-05	0.002654	9.25E-08	0.002989
1502	494911.06	3858551.99	0.15743	0.20936	0.18408	0.14639	2.87E-04	1.8E-05	0.00098	1.6E-07	0.00128	3.52E-04	2.18E-05	0.001196	8.74E-08	1.57E-03	0.00031	1.68E-05	0.002575	9.03E-08	0.002902
1503	494961.06	3858551.99	0.15505	0.20627	0.17833	0.14361	2.83E-04	1.8E-05	0.00095	1.5E-07	0.00125	3.46E-04	2.15E-05	0.001158	8.57E-08	1.53E-03	0.000305	1.65E-05	0.002495	8.85E-08	0.002817
1504	495011.06	3858551.99	0.1521	0.20044	0.1723	0.14069	2.77E-04	1.7E-05	0.00092	1.5E-07	0.00121	3.40E-04	2.09E-05	0.001119	8.4E-08	1.48E-03	0.0003	1.61E-05	0.00241	8.67E-08	0.002726
1505	495061.06	3858551.99	0.14987	0.19672	0.16864	0.13924	2.73E-04	1.7E-05	0.0009	1.5E-07	0.00119	3.35E-04	2.05E-05	0.001095	8.31E-08	1.45E-03	0.000295	1.58E-05	0.002359	8.59E-08	0.00267
1506	495111.06	3858551.99	0.14462	0.19064	0.16195	0.13621	2.64E-04	1.6E-05	0.00086	1.5E-07	0.00114	3.23E-04	1.99E-05	0.001052	8.13E-08	1.39E-03	0.000285	1.53E-05	0.002266	8.4E-08	0.002566
1507	495161.06	3858551.99	0.14162	0.18709	0.15727	0.13423	2.58E-04	1.6E-05	0.00084	1.4E-07	0.00111	3.16E-04	1.95E-05	0.001022	8.01E-08	1.36E-03	0.000279	1.5E-05	0.0022	8.28E-08	0.002494
1508	495211.06	3858551.99	0.13926	0.18371	0.15294	0.13264	2.54E-04	1.6E-05	0.00081	1.4E-07	0.00108	3.11E-04	1.92E-05	0.000993	7.92E-08	1.32E-03	0.000274	1.47E-05	0.002139	8.18E-08	0.002429
1509	495261.06	3858551.99	0.13703	0.1818	0.15025	0.13178	2.50E-04	1.5E-05	0.0008	1.4E-07	0.00106	3.06E-04	1.9E-05	0.000976	7.87E-08	1.30E-03	0.00027	1.46E-05	0.002102	8.13E-08	0.002386
1510	495311.06	3858551.99	0.13606	0.18191	0.14943	0.13148	2.48E-04	1.5E-05	0.00079	1.4E-07	0.00106	3.04E-04	1.9E-05	0.000971	7.85E-08	1.29E-03	0.000268	1.46E-05	0.00209	8.11E-08	0.002373
1511	495361.06	3858551.99	0.13531	0.18078	0.1484	0.13083	2.47E-04	1.5E-05	0.00079	1.4E-07	0.00105	3.02E-04	1.89E-05	0.000964	7.81E-08	1.29E-03	0.000266	1.45E-05	0.002076	8.07E-08	0.002357
1512	495411.06	3858551.99	0.13521	0.17923	0.14835	0.13057	2.46E-04	1.5E-05	0.00079	1.4E-07	0.00105	3.02E-04	1.87E-05	0.000964	7.79E-08	1.28E-03	0.000266	1.44E-05	0.002075	8.05E-08	0.002356
1513	495461.06	3858551.99	0.13465	0.17806	0.14817	0.13002	2.45E-04	1.5E-05	0.00079	1.4E-07	0.00105	3.01E-04	1.86E-05	0.000962	7.76E-08	1.28E-03	0.000265	1.43E-05	0.002073	8.02E-08	0.002352
1514	495511.06	3858551.99	0.13472	0.1791	0.14897	0.12978	2.46E-04	1.5E-05	0.00079	1.4E-07	0.00105	3.01E-04	1.87E-05	0.000968	7.75E-08	1.29E-03	0.000265	1.44E-05	0.002084	8E-08	0.002364
1515	495561.06	3858551.99	0.13415	0.17807	0.14874	0.12935	2.45E-04	1.5E-05	0.00079	1.4E-07	0.00105	3.00E-04	1.86E-05	0.000966	7.72E-08	1.28E-03	0.000264	1.43E-05	0.002081	7.98E-08	0.002359
1516	495611.06	3858551.99	0.13324	0.17587	0.14834	0.12878	2.43E-04	1.5E-05	0.00079	1.4E-07	0.00105	2.98E-04	1.83E-05	0.000964	7.69E-08	1.28E-03	0.000262	1.41E-05	0.002075	7.94E-08	0.002352
1517	495661.06	3858551.99	0.1322	0.1746	0.14722	0.12803	2.41E-04	1.5E-05	0.00078	1.4E-07	0.00104	2.95E-04	1.82E-05	0.000956	7.64E-08	1.27E-03	0.00026	1.4E-05	0.002059	7.89E-08	0.002334
1518	494311.06	3858601.99	0.16734	0.22803	0.19489	0.15552	3.05E-04	1.9E-05	0.00104	1.7E-07	0.00136	3.74E-04	2.38E-05	0.001266	9.28E-08	1.66E-03	0.00033	1.83E-05	0.002726	9.59E-08	0.003074
1519	494361.06	3858601.99	0.18184	0.24598	0.21165	0.16353	3.31E-04	2.1E-05	0.00112	1.7E-07	0.00148	4.06E-04	2.57E-05	0.001375	9.76E-08	1.81E-03	0.000358	1.97E-05	0.002961	1.01E-07	0.003339
1520	494411.06	3858601.99	0.19523	0.26708	0.22587	0.17145	3.56E-04	2.3E-05	0.0012	1.8E-07	0.00158	4.36E-04	2.79E-05	0.001467	1.02E-07	1.93E-03	0.000384	2.14E-05	0.00316	1.06E-07	0.003566
1521	494461.06	3858601.99	0.19454	0.26843	0.22596	0.17079	3.55E-04	2.3E-05	0.0012	1.8E-07	0.00158	4.35E-04	2.8E-05	0.001468	1.02E-07	1.93E-03	0.000383	2.15E-05	0.003161	1.05E-07	0.003566

1522	494511.06	3858601.99	0.18971	0.26367	0.22295	0.16722	3.46E-04	2.2E-05	0.00118	1.8E-07	0.00155	4.24E-04	2.75E-05	0.001448	9.98E-08	1.90E-03	0.000374	2.12E-05	0.003119	1.03E-07	0.003514
1523	494561.06	3858601.99	0.19028	0.26289	0.22444	0.16806	3.47E-04	2.2E-05	0.00119	1.8E-07	0.00156	4.25E-04	2.74E-05	0.001458	1E-07	1.91E-03	0.000375	2.11E-05	0.00314	1.04E-07	0.003536
1524	494611.06	3858601.99	0.18477	0.25582	0.22041	0.16552	3.37E-04	2.2E-05	0.00117	1.8E-07	0.00153	4.13E-04	2.67E-05	0.001432	9.88E-08	1.87E-03	0.000364	2.05E-05	0.003083	1.02E-07	0.003468
1525	494661.06	3858601.99	0.18158	0.25193	0.21706	0.16354	3.31E-04	2.1E-05	0.00115	1.7E-07	0.00151	4.06E-04	2.63E-05	0.00141	9.76E-08	1.84E-03	0.000358	2.02E-05	0.003036	1.01E-07	0.003414
1526	494711.06	3858601.99	0.17727	0.24562	0.21239	0.16068	3.23E-04	2.1E-05	0.00113	1.7E-07	0.00147	3.96E-04	2.56E-05	0.00138	9.59E-08	1.80E-03	0.000349	1.97E-05	0.002971	9.91E-08	0.00334
1527	494761.06	3858601.99	0.17372	0.23861	0.20748	0.1578	3.17E-04	2E-05	0.0011	1.7E-07	0.00144	3.88E-04	2.49E-05	0.001348	9.42E-08	1.76E-03	0.000342	1.91E-05	0.002902	9.73E-08	0.003264
1528	494811.06	3858601.99	0.16746	0.22596	0.19904	0.15391	3.05E-04	1.9E-05	0.00106	1.6E-07	0.00138	3.74E-04	2.36E-05	0.001293	9.19E-08	1.69E-03	0.00033	1.81E-05	0.002784	9.49E-08	0.003132
1529	494861.06	3858601.99	0.1648	0.22245	0.19644	0.15233	3.00E-04	1.9E-05	0.00104	1.6E-07	0.00136	3.68E-04	2.32E-05	0.001276	9.09E-08	1.67E-03	0.000325	1.78E-05	0.002748	9.39E-08	0.003091
1530	494911.06	3858601.99	0.15987	0.21269	0.18955	0.14913	2.91E-04	1.8E-05	0.00101	1.6E-07	0.00132	3.57E-04	2.22E-05	0.001231	8.9E-08	1.61E-03	0.000315	1.71E-05	0.002652	9.19E-08	0.002984
1531	494961.06	3858601.99	0.15769	0.20925	0.18601	0.14684	2.87E-04	1.8E-05	0.00099	1.6E-07	0.00129	3.52E-04	2.18E-05	0.001208	8.76E-08	1.58E-03	0.000311	1.68E-05	0.002602	9.05E-08	0.00293
1532	495011.06	3858601.99	0.15475	0.20608	0.18164	0.14443	2.82E-04	1.8E-05	0.00097	1.5E-07	0.00126	3.46E-04	2.15E-05	0.00118	8.62E-08	1.55E-03	0.000305	1.65E-05	0.002541	8.91E-08	0.002862
1533	495061.06	3858601.99	0.15179	0.19965	0.17649	0.14171	2.77E-04	1.7E-05	0.00094	1.5E-07	0.00123	3.39E-04	2.08E-05	0.001146	8.46E-08	1.51E-03	0.000299	1.6E-05	0.002469	8.74E-08	0.002784
1534	495111.06	3858601.99	0.14808	0.18858	0.16726	0.13743	2.70E-04	1.6E-05	0.00089	1.5E-07	0.00117	3.31E-04	1.97E-05	0.001086	8.2E-08	1.44E-03	0.000292	1.51E-05	0.00234	8.47E-08	0.002647
1535	495161.06	3858601.99	0.14537	0.18519	0.16466	0.13541	2.65E-04	1.6E-05	0.00087	1.4E-07	0.00116	3.25E-04	1.93E-05	0.00107	8.08E-08	1.41E-03	0.000286	1.49E-05	0.002303	8.35E-08	0.002605
1536	495211.06	3858601.99	0.14339	0.18477	0.16169	0.13443	2.61E-04	1.6E-05	0.00086	1.4E-07	0.00114	3.20E-04	1.93E-05	0.00105	8.02E-08	1.39E-03	0.000282	1.48E-05	0.002262	8.29E-08	0.002559
1537	495261.06	3858601.99	0.1414	0.18417	0.15884	0.13326	2.58E-04	1.6E-05	0.00084	1.4E-07	0.00112	3.16E-04	1.92E-05	0.001032	7.95E-08	1.37E-03	0.000278	1.48E-05	0.002222	8.22E-08	0.002515
1538	495311.06	3858601.99	0.14011	0.18387	0.15654	0.13246	2.55E-04	1.6E-05	0.00083	1.4E-07	0.0011	3.13E-04	1.92E-05	0.001017	7.91E-08	1.35E-03	0.000276	1.47E-05	0.00219	8.17E-08	0.002481
1539	495361.06	3858601.99	0.13954	0.1843	0.15547	0.13218	2.54E-04	1.6E-05	0.00083	1.4E-07	0.0011	3.12E-04	1.92E-05	0.00101	7.89E-08	1.34E-03	0.000275	1.48E-05	0.002175	8.15E-08	0.002465
1540	495411.06	3858601.99	0.13892	0.18445	0.15463	0.1318	2.53E-04	1.6E-05	0.00082	1.4E-07	0.00109	3.10E-04	1.92E-05	0.001004	7.87E-08	1.33E-03	0.000274	1.48E-05	0.002163	8.13E-08	0.002452
1541	495461.06	3858601.99	0.13824	0.18407	0.15443	0.13149	2.52E-04	1.6E-05	0.00082	1.4E-07	0.00109	3.09E-04	1.92E-05	0.001003	7.85E-08	1.33E-03	0.000272	1.48E-05	0.00216	8.11E-08	0.002447
1542	495511.06	3858601.99	0.13641	0.18214	0.15286	0.13051	2.49E-04	1.5E-05	0.00081	1.4E-07	0.00108	3.05E-04	1.9E-05	0.000993	7.79E-08	1.32E-03	0.000269	1.46E-05	0.002138	8.05E-08	0.002422
1543	495561.06	3858601.99	0.13622	0.18246	0.15288	0.1306	2.48E-04	1.6E-05	0.00081	1.4E-07	0.00108	3.04E-04	1.9E-05	0.000993	7.79E-08	1.32E-03	0.000268	1.46E-05	0.002139	8.05E-08	0.002422
1544	495611.06	3858601.99	0.13503	0.18034	0.15063	0.12956	2.46E-04	1.5E-05	0.0008	1.4E-07	0.00106	3.02E-04	1.88E-05	0.000978	7.73E-08	1.30E-03	0.000266	1.45E-05	0.002107	7.99E-08	0.002388
1545	495661.06	3858601.99	0.13506	0.18101	0.15092	0.12929	2.46E-04	1.5E-05	0.0008	1.4E-07	0.00106	3.02E-04	1.89E-05	0.00098	7.72E-08	1.30E-03	0.000266	1.45E-05	0.002111	7.97E-08	0.002392
1546	494311.06	3858651.99	0.16785	0.22514	0.19174	0.15426	3.06E-04	1.9E-05	0.00102	1.6E-07	0.00134	3.75E-04	2.35E-05	0.001245	9.21E-08	1.64E-03	0.000331	1.81E-05	0.002682	9.51E-08	0.003031
1547	494361.06	3858651.99	0.18086	0.24369	0.21183	0.16369	3.30E-04	2.1E-05	0.00113	1.7E-07	0.00148	4.04E-04	2.54E-05	0.001376	9.77E-08	1.81E-03	0.000356	1.95E-05	0.002963	1.01E-07	0.003339
1548	494411.06	3858651.99	0.2035	0.26461	0.2308	0.17377	3.71E-04	2.3E-05	0.00123	1.9E-07	0.00162	4.55E-04	2.76E-05	0.001499	1.04E-07	1.98E-03	0.000401	2.12E-05	0.003229	1.07E-07	0.003651
1549	494461.06	3858651.99	0.20558	0.26726	0.23161	0.17504	3.75E-04	2.3E-05	0.00123	1.9E-07	0.00163	4.59E-04	2.79E-05	0.001504	1.04E-07	1.99E-03	0.000405	2.14E-05	0.00324	1.08E-07	0.003666
1550	494511.06	3858651.99	0.20335	0.2653	0.22994	0.1737	3.71E-04	2.3E-05	0.00122	1.9E-07	0.00162	4.54E-04	2.77E-05	0.001494	1.04E-07	1.98E-03	0.0004	2.13E-05	0.003217	1.07E-07	0.003639
1551	494561.06	3858651.99	0.20204	0.26608	0.22972	0.17283	3.68E-04	2.3E-05	0.00122	1.8E-07	0.00161	4.51E-04	2.77E-05	0.001492	1.03E-07	1.97E-03	0.000398	2.13E-05	0.003214	1.07E-07	0.003633
1552	494611.06	3858651.99	0.19959	0.26508	0.22855	0.17113	3.64E-04	2.3E-05	0.00121	1.8E-07	0.0016	4.46E-04	2.76E-05	0.001484	1.02E-07	1.96E-03	0.000393	2.13E-05	0.003197	1.06E-07	0.003612
1553	494661.06	3858651.99	0.19505	0.26247	0.22582	0.1682	3.56E-04	2.2E-05	0.0012	1.8E-07	0.00158	4.36E-04	2.74E-05	0.001467	1E-07	1.93E-03	0.000384	2.11E-05	0.003159	1.04E-07	0.003564
1554	494711.06	3858651.99	0.18797	0.25648	0.22134	0.1645	3.43E-04	2.2E-05	0.00118	1.8E-07	0.00154	4.20E-04	2.67E-05	0.001438	9.82E-08	1.88E-03	0.00037	2.06E-05	0.003096	1.01E-07	0.003487
1555	494761.06	3858651.99	0.18209	0.25175	0.21727	0.16158	3.32E-04	2.1E-05	0.00115	1.7E-07	0.00151	4.07E-04	2.63E-05	0.001411	9.64E-08	1.84E-03	0.000359	2.02E-05	0.003039	9.96E-08	0.003418
1556	494811.06	3858651.99	0.17617	0.24278	0.2101	0.15757	3.21E-04	2.1E-05	0.00112	1.7E-07	0.00146	3.94E-04	2.53E-05	0.001365	9.4E-08	1.78E-03	0.000347	1.95E-05	0.002939	9.72E-08	0.003306
1557	494861.06	3858651.99	0.17045	0.23454	0.20458	0.15439	3.11E-04	2E-05	0.00109	1.6E-07	0.00142	3.81E-04	2.45E-05	0.001329	9.21E-08	1.73E-03	0.000336	1.88E-05	0.002862	9.52E-08	0.003216
1558	494911.06	3858651.99	0.16423	0.22523	0.19758	0.15069	2.99E-04	1.9E-05	0.00105	1.6E-07	0.00137	3.67E-04	2.35E-05	0.001283	8.99E-08	1.67E-03	0.000323	1.81E-05	0.002764	9.29E-08	0.003106
1559	494961.06	3858651.99	0.16036	0.21645	0.19118	0.14747	2.92E-04	1.8E-05	0.00102	1.6E-07	0.00133	3.58E-04	2.26E-05	0.001242	8.8E-08	1.62E-03	0.000316	1.74E-05	0.002674	9.09E-08	0.003008
1560	495011.06	3858651.99	0.15667	0.21015	0.18784	0.1453	2.86E-04	1.8E-05	0.001	1.6E-07	0.0013	3.50E-04	2.19E-05	0.00122	8.67E-08	1.59E-03	0.000309	1.69E-05	0.002628	8.96E-08	0.002953
1561	495061.06	3858651.99	0.15416	0.2014	0.18218	0.14256	2.81E-04	1.7E-05	0.00097	1.5E-07	0.00127	3.44E-04	2.1E-05	0.001183	8.51E-08	1.55E-03	0.000304	1.62E-05	0.002549	8.79E-08	0.002868
1562	495111.06	3858651.99	0.15059	0.19468	0.17655	0.13953	2.74E-04	1.7E-05	0.00094	1.5E-07	0.00123	3.36E-04	2.03E-05	0.001147	8.33E-08	1.50E-03	0.000297	1.56E-05	0.00247	8.6E-08	0.002782
1563	495161.06	3858651.99	0.1487	0.19149	0.17334	0.13792	2.71E-04	1.6E-05	0.00092	1.5E-07	0.00121	3.32E-04	2E-05	0.001126	8.23E-08	1.48E-03	0.000293	1.54E-05	0.002425	8.5E-08	0.002733
1564	495211.06	3858651.99	0.1465	0.18804	0.16824	0.13585	2.67E-04	1.6E-05	0.00089	1.4E-07	0.00118	3.27E-04	1.96E-05	0.001093	8.11E-08	1.44E-03	0.000289	1.51E-05	0.002354	8.38E-08	0.002657
1565	495261.06	3858651.99	0.14649	0.18845	0.16718	0.13581	2.67E-04	1.6E-05	0.00089	1.4E-07	0.00117	3.27E-04	1.97E-05	0.001086	8.11E-08	1.43E-03	0.000289	1.51E-05	0.002339	8.37E-08	0.002642
1566	495311.06	3858651.99	0.14569	0.18691	0.16474	0.13467	2.66E-04	1.6E-05	0.00088	1.4E-07	0.00116	3.25E-04	1.95E-05	0.00107	8.04E-08	1.42E-03	0.000287	1.5E-05	0.002305	8.3E-08	0.002607
1567	495361.06	3858651.99	0.14533	0.18721	0.16339	0.13408	2.65E-04	1.6E-05	0.00087	1.4E-07	0.00115	3.25E-04	1.95E-05	0.001061	8E-08	1.41E-03	0.000286	1.5E-05	0.002286	8.27E-08	0.002587
1568	495411.06	3858651.99	0.14535	0.18787	0.16285	0.13406	2.65E-04	1.6E-05	0.00087	1.4E-07	0.00115	3.25E-04	1.96E-05	0.001058	8E-08	1.40E-03	0.000286	1.51E-05	0.002278	8.27E-08	0.00258
1569	495461.06	3858651.99	0.14541	0.1902	0.16327	0.13446	2.65E-04	1.6E-05	0.00087	1.4E-07	0.00115	3.25E-04	1.98E-05	0.00106	8.03E-08	1.41E-03	0.000286	1.53E-05	0.002284	8.29E-08	0.002586
1570	495511.06	3858651.99	0.14308	0.18728	0.15994	0.1334	2.61E-04	1.6E-05	0.00085	1.4E-07	0.00113	3.20E-04	1.95E-05	0.001039	7.96E-08	1.38E-03	0.000282	1.5E-05	0.002237	8.23E-08	0.002534
1571	495561.06	3858651.99	0.14166	0.186	0.15874	0.13276	2.58E-04	1.6E-05	0.00084	1.4E-07	0.00112	3.16E-04	1.94E-05	0.001031	7.92E-08	1.37E-03	0.000279	1.49E-05	0.002221	8.19E-08	0.002515
1572	495611.06	3858651.99	0.13958	0.18291	0.15637	0.13128	2.54E-04	1.6E-05	0.00083	1.4E-07	0.0011	3.12E-04	1.91E-05	0.001016	7.84E-08	1.35E-03	0.000275	1.47E-05	0.002187	8.09E-08	0.002477
1573	495661.06	3858651.99	0.13929	0.18364	0.15673	0.13104	2.54E-04	1.6E-05	0.00083	1.4E-07	0.0011	3.11E-04	1.91E-05	0.001018	7.82E-08	1.35E-03	0.000274	1.47E-05	0.002192	8.08E-08	0.002482
1574	494311.06	3858701.99	0.17478	0.23148	0.20145	0.15783	3.19E-04	2E-05	0.00107	1.7E-07	0.00141	3.90E-04	2.41E-05	0.001308	9.42E-08	1.72E-03	0.000344	1.86E-05	0.002818	9.73E-08	0.003181
1575	494361.06	3858701.99	0.19737	0.26554	0.22486	0.16913	3.60E-04	2.3E-05	0.00119	1.8E-07	0.00158	4.41E-04	2.77E-05	0.001461	1.01E-07	1.93E-03	0.000389	2.13E-05	0.003146	1.04E-07	0.003556
1576	494411.06	3858701.99	0.21205	0.28332	0.23779	0.17645	3.87E-04	2.4E-05	0.00126	1.9E-07	0.00167	4.74E-04	2.95E-05	0.001545	1.05E-07	2.05E-03	0.000418	2.27E-05	0.003326	1.09E-07	0.003767
1577	494461.06	3858701.99	0.21314	0.28467	0.23978	0.17676	3.89E-04	2.4E-05	0.00127	1.9E-07	0.00169	4.76E-04	2.97E-05	0.001557	1.05E-07	2.06E-03	0.00042	2.28E-05	0.003354	1.09E-07	0.003797
1578	494511.06	3858701.99	0.21356	0.28313	0.2397	0.17678	3.89E-04	2.4E-05	0.00127	1.9E-07	0.00169	4.77E-04	2.95E-05	0.001557	1.06E-07	2.06E-03	0.000421	2.27E-05	0.003353	1.09E-07	0.003797
1579	494561.06	3858701.99	0.21155	0.27564	0.2363	0.17569	3.86E-04	2.3E-05	0.00126	1.9E-07	0.00166	4.73E-04	2.87E-05	0.001535	1.05E-07	2.04E-03	0.000417	2.21E-05	0.003306	1.08E-07	0.003744
1580	494611.06	3858701.99	0.20528	0.26412	0.22851	0.17278	3.74E-04	2.2E-05	0.00121	1.8E-07	0.00161	4.59E-04	2.75E-05	0.001484	1.03E-07	1.97E-03	0.000404	2.12E-05	0.003197	1.07E-07	0.003622
1581	494661.06	3858701.99	0.20487	0.26443	0.22876	0.17274	3.73E-04	2.3E-05	0.00122	1.8E-07	0.00161	4.58E-04	2.76E-05	0.001486	1.03E-07	1.97E-03	0.000403	2.12E-05	0.0032	1.07E-07	0.003625
1582	494711.06	3858701.99	0.18972	0.2455	0.21533	0.16384	3.46E-04	2.1E-05	0.00114	1.7E-07	0.00151	4.24E-04	2.56E-05	0.001399	9.78E-08	1.85E-03	0.000374	1.97E-05	0.003012	1.01E-07	0.003406

1583	494761.06	3858701.99	0.19286	0.25013	0.21975	0.16517	3.52E-04	2.1E-05	0.00117	1.8E-07	0.00154	4.31E-04	2.61E-05	0.001427	9.86E-08	1.88E-03	0.00038	2.01E-05	0.003074	1.02E-07	0.003474
1584	494811.06	3858701.99	0.18507	0.24226	0.21452	0.16061	3.37E-04	2.1E-05	0.00114	1.7E-07	0.0015	4.13E-04	2.53E-05	0.001393	9.59E-08	1.83E-03	0.000364	1.94E-05	0.003001	9.9E-08	0.003385
1585	494861.06	3858701.99	0.17798	0.23781	0.21038	0.15698	3.24E-04	2E-05	0.00112	1.7E-07	0.00146	3.98E-04	2.48E-05	0.001366	9.37E-08	1.79E-03	0.000351	1.91E-05	0.002943	9.68E-08	0.003313
1586	494911.06	3858701.99	0.17325	0.23435	0.20623	0.15445	3.16E-04	2E-05	0.0011	1.6E-07	0.00143	3.87E-04	2.44E-05	0.00134	9.22E-08	1.75E-03	0.000341	1.88E-05	0.002885	9.52E-08	0.003245
1587	494961.06	3858701.99	0.1652	0.22508	0.19679	0.14933	3.01E-04	1.9E-05	0.00105	1.6E-07	0.00137	3.69E-04	2.35E-05	0.001278	8.91E-08	1.67E-03	0.000325	1.81E-05	0.002753	9.21E-08	0.003096
1588	495011.06	3858701.99	0.15998	0.21785	0.19112	0.14647	2.92E-04	1.9E-05	0.00102	1.6E-07	0.00133	3.57E-04	2.27E-05	0.001241	8.74E-08	1.62E-03	0.000315	1.75E-05	0.002674	9.03E-08	0.003006
1589	495061.06	3858701.99	0.15823	0.21325	0.18918	0.1454	2.88E-04	1.8E-05	0.00101	1.6E-07	0.00131	3.53E-04	2.22E-05	0.001229	8.68E-08	1.60E-03	0.000312	1.71E-05	0.002646	8.96E-08	0.002975
1590	495111.06	3858701.99	0.15286	0.20457	0.18256	0.14207	2.79E-04	1.7E-05	0.00097	1.5E-07	0.00127	3.41E-04	2.13E-05	0.001186	8.48E-08	1.55E-03	0.000301	1.64E-05	0.002554	8.76E-08	0.002871
1591	495161.06	3858701.99	0.15083	0.20035	0.18048	0.14049	2.75E-04	1.7E-05	0.00096	1.5E-07	0.00125	3.37E-04	2.09E-05	0.001172	8.39E-08	1.53E-03	0.000297	1.61E-05	0.002525	8.66E-08	0.002838
1592	495211.06	3858701.99	0.14889	0.19473	0.17635	0.13795	2.71E-04	1.7E-05	0.00094	1.5E-07	0.00123	3.33E-04	2.03E-05	0.001145	8.23E-08	1.50E-03	0.000293	1.56E-05	0.002467	8.51E-08	0.002776
1593	495261.06	3858701.99	0.14888	0.19275	0.17535	0.13763	2.71E-04	1.6E-05	0.00093	1.5E-07	0.00122	3.33E-04	2.01E-05	0.001139	8.21E-08	1.49E-03	0.000293	1.55E-05	0.002453	8.49E-08	0.002762
1594	495311.06	3858701.99	0.14892	0.19225	0.17426	0.13737	2.71E-04	1.6E-05	0.00093	1.5E-07	0.00121	3.33E-04	2E-05	0.001132	8.2E-08	1.48E-03	0.000293	1.54E-05	0.002438	8.47E-08	0.002747
1595	495361.06	3858701.99	0.14834	0.19061	0.17279	0.13663	2.70E-04	1.6E-05	0.00092	1.5E-07	0.0012	3.31E-04	1.99E-05	0.001122	8.15E-08	1.47E-03	0.000292	1.53E-05	0.002417	8.42E-08	0.002725
1596	495411.06	3858701.99	0.14892	0.19091	0.17278	0.13651	2.71E-04	1.6E-05	0.00092	1.5E-07	0.00121	3.33E-04	1.99E-05	0.001122	8.15E-08	1.47E-03	0.000293	1.53E-05	0.002417	8.42E-08	0.002726
1597	495461.06	3858701.99	0.14864	0.19199	0.17232	0.13621	2.71E-04	1.6E-05	0.00092	1.5E-07	0.0012	3.32E-04	2E-05	0.001119	8.13E-08	1.47E-03	0.000293	1.54E-05	0.002411	8.4E-08	0.002719
1598	495511.06	3858701.99	0.14803	0.19152	0.17119	0.13549	2.70E-04	1.6E-05	0.00091	1.4E-07	0.0012	3.31E-04	2E-05	0.001112	8.09E-08	1.46E-03	0.000292	1.54E-05	0.002395	8.35E-08	0.002702
1599	495561.06	3858701.99	0.1472	0.18882	0.16878	0.13464	2.68E-04	1.6E-05	0.0009	1.4E-07	0.00118	3.29E-04	1.97E-05	0.001096	8.04E-08	1.44E-03	0.00029	1.51E-05	0.002361	8.3E-08	0.002666
1600	495611.06	3858701.99	0.14598	0.18733	0.16532	0.13331	2.66E-04	1.6E-05	0.00088	1.4E-07	0.00116	3.26E-04	1.95E-05	0.001074	7.96E-08	1.42E-03	0.000288	1.5E-05	0.002313	8.22E-08	0.002615
1601	495661.06	3858701.99	0.14522	0.18771	0.16308	0.13258	2.65E-04	1.6E-05	0.00087	1.4E-07	0.00115	3.24E-04	1.96E-05	0.001059	7.91E-08	1.40E-03	0.000286	1.51E-05	0.002281	8.17E-08	0.002582
1602	494311.06	3858751.99	0.18332	0.24343	0.21005	0.16026	3.34E-04	2.1E-05	0.00112	1.7E-07	0.00147	4.09E-04	2.54E-05	0.001364	9.57E-08	1.80E-03	0.000361	1.95E-05	0.002938	9.88E-08	0.003319
1603	494361.06	3858751.99	0.20884	0.27631	0.23698	0.1717	3.81E-04	2.4E-05	0.00126	1.8E-07	0.00166	4.66E-04	2.88E-05	0.001539	1.02E-07	2.03E-03	0.000411	2.22E-05	0.003315	1.06E-07	0.003749
1604	494411.06	3858751.99	0.21862	0.28876	0.24656	0.17909	3.99E-04	2.5E-05	0.00131	1.9E-07	0.00173	4.88E-04	3.01E-05	0.001601	1.07E-07	2.12E-03	0.000431	2.32E-05	0.003449	1.1E-07	0.003903
1605	494461.06	3858751.99	0.21966	0.29159	0.24658	0.17934	4.00E-04	2.5E-05	0.00131	1.9E-07	0.00174	4.91E-04	3.04E-05	0.001602	1.07E-07	2.12E-03	0.000433	2.34E-05	0.003449	1.11E-07	0.003906
1606	494511.06	3858751.99	0.22249	0.2955	0.24867	0.18028	4.06E-04	2.5E-05	0.00132	1.9E-07	0.00175	4.97E-04	3.08E-05	0.001615	1.08E-07	2.14E-03	0.000438	2.37E-05	0.003479	1.11E-07	0.003941
1607	494561.06	3858751.99	0.2194	0.29052	0.24576	0.17712	4.00E-04	2.5E-05	0.00131	1.9E-07	0.00173	4.90E-04	3.03E-05	0.001596	1.06E-07	2.12E-03	0.000432	2.33E-05	0.003438	1.09E-07	0.003893
1608	494611.06	3858751.99	0.21385	0.28421	0.24142	0.17388	3.90E-04	2.4E-05	0.00128	1.9E-07	0.0017	4.78E-04	2.96E-05	0.001568	1.04E-07	2.08E-03	0.000421	2.28E-05	0.003377	1.07E-07	0.003821
1609	494661.06	3858751.99	0.21069	0.28138	0.23989	0.17256	3.84E-04	2.4E-05	0.00127	1.8E-07	0.00168	4.71E-04	2.93E-05	0.001558	1.03E-07	2.06E-03	0.000415	2.26E-05	0.003356	1.06E-07	0.003793
1610	494711.06	3858751.99	0.20381	0.26648	0.22998	0.16897	3.72E-04	2.3E-05	0.00122	1.8E-07	0.00162	4.55E-04	2.78E-05	0.001494	1.01E-07	1.98E-03	0.000401	2.14E-05	0.003217	1.04E-07	0.00364
1611	494761.06	3858751.99	0.20236	0.26127	0.22511	0.16772	3.69E-04	2.2E-05	0.0012	1.8E-07	0.00159	4.52E-04	2.72E-05	0.001462	1E-07	1.94E-03	0.000399	2.1E-05	0.003149	1.03E-07	0.003569
1612	494811.06	3858751.99	0.19553	0.25098	0.21767	0.16421	3.56E-04	2.1E-05	0.00116	1.8E-07	0.00153	4.37E-04	2.62E-05	0.001414	9.8E-08	1.88E-03	0.000385	2.01E-05	0.003045	1.01E-07	0.00345
1613	494861.06	3858751.99	0.18868	0.24172	0.21225	0.16033	3.44E-04	2.1E-05	0.00113	1.7E-07	0.00149	4.21E-04	2.52E-05	0.001379	9.57E-08	1.83E-03	0.000372	1.94E-05	0.002969	9.89E-08	0.00336
1614	494911.06	3858751.99	0.18052	0.23402	0.20633	0.15626	3.29E-04	2E-05	0.0011	1.7E-07	0.00145	4.03E-04	2.44E-05	0.00134	9.33E-08	1.77E-03	0.000356	1.88E-05	0.002886	9.63E-08	0.003261
1615	494961.06	3858751.99	0.17421	0.22926	0.20257	0.15361	3.18E-04	2E-05	0.00108	1.6E-07	0.00141	3.89E-04	2.39E-05	0.001316	9.17E-08	1.73E-03	0.000343	1.84E-05	0.002834	9.47E-08	0.003195
1616	495011.06	3858751.99	0.17002	0.22608	0.20025	0.15138	3.10E-04	1.9E-05	0.00106	1.6E-07	0.00139	3.80E-04	2.36E-05	0.001301	9.04E-08	1.70E-03	0.000335	1.81E-05	0.002801	9.33E-08	0.003154
1617	495061.06	3858751.99	0.16587	0.2215	0.19603	0.14818	3.02E-04	1.9E-05	0.00104	1.6E-07	0.00136	3.71E-04	2.31E-05	0.001273	8.84E-08	1.67E-03	0.000327	1.78E-05	0.002742	9.14E-08	0.003087
1618	495111.06	3858751.99	0.15963	0.21656	0.19048	0.14472	2.91E-04	1.8E-05	0.00101	1.5E-07	0.00132	3.57E-04	2.26E-05	0.001237	8.64E-08	1.62E-03	0.000314	1.74E-05	0.002665	8.92E-08	0.002996
1619	495161.06	3858751.99	0.15643	0.21324	0.18692	0.14278	2.85E-04	1.8E-05	0.00099	1.5E-07	0.0013	3.49E-04	2.22E-05	0.001214	8.52E-08	1.59E-03	0.000308	1.71E-05	0.002615	8.8E-08	0.00294
1620	495211.06	3858751.99	0.15366	0.20755	0.18314	0.14083	2.80E-04	1.8E-05	0.00097	1.5E-07	0.00127	3.43E-04	2.16E-05	0.00119	8.41E-08	1.55E-03	0.000303	1.66E-05	0.002562	8.68E-08	0.002881
1621	495261.06	3858751.99	0.15357	0.20552	0.18202	0.14009	2.80E-04	1.7E-05	0.00097	1.5E-07	0.00126	3.43E-04	2.14E-05	0.001182	8.36E-08	1.55E-03	0.000302	1.65E-05	0.002546	8.64E-08	0.002865
1622	495311.06	3858751.99	0.15342	0.20352	0.18147	0.13943	2.80E-04	1.7E-05	0.00096	1.5E-07	0.00126	3.43E-04	2.12E-05	0.001179	8.32E-08	1.54E-03	0.000302	1.63E-05	0.002539	8.6E-08	0.002857
1623	495361.06	3858751.99	0.15257	0.20029	0.17998	0.13853	2.78E-04	1.7E-05	0.00096	1.5E-07	0.00125	3.41E-04	2.09E-05	0.001169	8.27E-08	1.53E-03	0.0003	1.61E-05	0.002518	8.54E-08	0.002834
1624	495411.06	3858751.99	0.15306	0.20108	0.18035	0.13837	2.79E-04	1.7E-05	0.00096	1.5E-07	0.00125	3.42E-04	2.1E-05	0.001171	8.26E-08	1.53E-03	0.000301	1.61E-05	0.002523	8.53E-08	0.002841
1625	495461.06	3858751.99	0.15262	0.19966	0.17836	0.13758	2.78E-04	1.7E-05	0.00095	1.5E-07	0.00124	3.41E-04	2.08E-05	0.001159	8.21E-08	1.52E-03	0.000301	1.6E-05	0.002495	8.48E-08	0.002812
1626	495511.06	3858751.99	0.15131	0.1984	0.17557	0.13649	2.76E-04	1.7E-05	0.00093	1.5E-07	0.00123	3.38E-04	2.07E-05	0.00114	8.15E-08	1.50E-03	0.000298	1.59E-05	0.002456	8.42E-08	0.00277
1627	495561.06	3858751.99	0.14955	0.19637	0.17321	0.13554	2.73E-04	1.7E-05	0.00092	1.4E-07	0.00121	3.34E-04	2.05E-05	0.001125	8.09E-08	1.48E-03	0.000295	1.58E-05	0.002423	8.36E-08	0.002733
1628	495611.06	3858751.99	0.14785	0.19319	0.17225	0.13457	2.70E-04	1.6E-05	0.00092	1.4E-07	0.0012	3.30E-04	2.01E-05	0.001119	8.03E-08	1.47E-03	0.000291	1.55E-05	0.00241	8.3E-08	0.002716
1629	495661.06	3858751.99	0.14706	0.19005	0.17174	0.13376	2.68E-04	1.6E-05	0.00091	1.4E-07	0.0012	3.28E-04	1.98E-05	0.001116	7.98E-08	1.46E-03	0.00029	1.52E-05	0.002402	8.25E-08	0.002707
1630	494311.06	3858801.99	0.19652	0.2557	0.22942	0.16583	3.58E-04	2.2E-05	0.00122	1.8E-07	0.0016	4.39E-04	2.67E-05	0.00149	9.9E-08	1.96E-03	0.000387	2.05E-05	0.003209	1.02E-07	0.003617
1631	494361.06	3858801.99	0.2162	0.28456	0.25108	0.17715	3.94E-04	2.4E-05	0.00133	1.9E-07	0.00175	4.83E-04	2.97E-05	0.001631	1.06E-07	2.14E-03	0.000426	2.28E-05	0.003512	1.09E-07	0.003961
1632	494411.06	3858801.99	0.22252	0.29191	0.2563	0.18417	4.06E-04	2.5E-05	0.00136	2E-07	0.00179	4.97E-04	3.04E-05	0.001665	1.1E-07	2.19E-03	0.000438	2.34E-05	0.003585	1.14E-07	0.004047
1633	494461.06	3858801.99	0.2261	0.29774	0.25844	0.18648	4.12E-04	2.5E-05	0.00137	2E-07	0.00181	5.05E-04	3.1E-05	0.001679	1.11E-07	2.21E-03	0.000445	2.39E-05	0.003615	1.15E-07	0.004085
1634	494511.06	3858801.99	0.22893	0.30197	0.25898	0.18804	4.17E-04	2.6E-05	0.00138	2E-07	0.00182	5.11E-04	3.15E-05	0.001682	1.12E-07	2.23E-03	0.000451	2.42E-05	0.003623	1.16E-07	0.004098
1635	494561.06	3858801.99	0.22886	0.29833	0.25757	0.18724	4.17E-04	2.5E-05	0.00137	2E-07	0.00181	5.11E-04	3.11E-05	0.001673	1.12E-07	2.22E-03	0.000451	2.39E-05	0.003603	1.15E-07	0.004078
1636	494611.06	3858801.99	0.2261	0.29207	0.25454	0.18458	4.12E-04	2.5E-05	0.00135	2E-07	0.00179	5.05E-04	3.05E-05	0.001653	1.1E-07	2.19E-03	0.000445	2.34E-05	0.003561	1.14E-07	0.00403
1637	494661.06	3858801.99	0.22078	0.28639	0.24941	0.17931	4.02E-04	2.4E-05	0.00133	1.9E-07	0.00175	4.93E-04	2.99E-05	0.00162	1.07E-07	2.14E-03	0.000435	2.3E-05	0.003489	1.11E-07	0.003947
1638	494711.06	3858801.99	0.21473	0.2816	0.24126	0.17459	3.91E-04	2.4E-05	0.00128	1.9E-07	0.0017	4.80E-04	2.94E-05	0.001567	1.04E-07	2.08E-03	0.000423	2.26E-05	0.003375	1.08E-07	0.003821
1639	494761.06	3858801.99	0.20695	0.27155	0.23391	0.16957	3.77E-04	2.3E-05	0.00124	1.8E-07	0.00164	4.62E-04	2.83E-05	0.001519	1.01E-07	2.01E-03	0.000408	2.18E-05	0.003272	1.05E-07	0.003702
1640	494811.06	3858801.99	0.19955	0.26077	0.22563	0.165	3.64E-04	2.2E-05	0.0012	1.8E-07	0.00158	4.46E-04	2.72E-05	0.001466	9.85E-08	1.94E-03	0.000393	2.09E-05	0.003156	1.02E-07	0.00357
1641	494861.06	3858801.99	0.1966	0.25476	0.22029	0.16282	3.58E-04	2.2E-05	0.00117	1.7E-07	0.00155	4.39E-04	2.66E-05	0.001431	9.72E-08	1.90E-03	0.000387	2.04E-05	0.003082	1E-07	0.003489
1642	494911.06	3858801.99	0.19063	0.24692	0.21248	0.15963	3.47E-04	2.1E-05	0.00113	1.7E-07	0.0015	4.26E-04	2.57E-05	0.00138	9.53E-08	1.83E-03	0.000375	1.98E-05	0.002972	9.84E-08	0.003368
1643	494961.06	3858801.99	0.18578	0.24135	0.20805	0.15706	3.39E-04	2.1E-05	0.00111	1.7E-07	0.00146	4.15E-04	2.52E-05	0.001351	9.37E-08	1.79E-03	0.000366	1.94E-05	0.00291	9.68E-08	0.003296

1644	495011.06	3858801.99	0.17991	0.2338	0.20335	0.15379	3.28E-04	2E-05	0.00108	1.6E-07	0.00143	4.02E-04	2.44E-05	0.001321	9.18E-08	1.75E-03	0.000354	1.88E-05	0.002845	9.48E-08	0.003218
1645	495061.06	3858801.99	0.17543	0.22911	0.20047	0.1515	3.20E-04	1.9E-05	0.00107	1.6E-07	0.0014	3.92E-04	2.39E-05	0.001302	9.04E-08	1.72E-03	0.000346	1.84E-05	0.002804	9.34E-08	0.003168
1646	495111.06	3858801.99	0.16745	0.22092	0.19532	0.14814	3.05E-04	1.9E-05	0.00104	1.6E-07	0.00136	3.74E-04	2.3E-05	0.001269	8.84E-08	1.67E-03	0.00033	1.77E-05	0.002732	9.13E-08	0.00308
1647	495161.06	3858801.99	0.16339	0.21649	0.19197	0.14555	2.98E-04	1.8E-05	0.00102	1.6E-07	0.00134	3.65E-04	2.26E-05	0.001247	8.69E-08	1.63E-03	0.000322	1.74E-05	0.002685	8.97E-08	0.003025
1648	495211.06	3858801.99	0.16043	0.21403	0.19013	0.14392	2.92E-04	1.8E-05	0.00101	1.5E-07	0.00132	3.58E-04	2.23E-05	0.001235	8.59E-08	1.62E-03	0.000316	1.72E-05	0.00266	8.87E-08	0.002993
1649	495261.06	3858801.99	0.15897	0.21184	0.18941	0.14287	2.90E-04	1.8E-05	0.00101	1.5E-07	0.00131	3.55E-04	2.21E-05	0.00123	8.53E-08	1.61E-03	0.000313	1.7E-05	0.00265	8.81E-08	0.00298
1650	495311.06	3858801.99	0.15807	0.21186	0.18919	0.14235	2.88E-04	1.8E-05	0.00101	1.5E-07	0.00131	3.53E-04	2.21E-05	0.001229	8.5E-08	1.60E-03	0.000311	1.7E-05	0.002647	8.78E-08	0.002975
1651	495361.06	3858801.99	0.15638	0.21109	0.18819	0.14144	2.85E-04	1.8E-05	0.001	1.5E-07	0.0013	3.49E-04	2.2E-05	0.001222	8.44E-08	1.59E-03	0.000308	1.69E-05	0.002633	8.72E-08	0.002958
1652	495411.06	3858801.99	0.15788	0.21199	0.19015	0.14133	2.88E-04	1.8E-05	0.00101	1.5E-07	0.00132	3.53E-04	2.21E-05	0.001235	8.44E-08	1.61E-03	0.000311	1.7E-05	0.00266	8.71E-08	0.002988
1653	495461.06	3858801.99	0.15725	0.21093	0.18967	0.14003	2.87E-04	1.8E-05	0.00101	1.5E-07	0.00131	3.51E-04	2.2E-05	0.001232	8.36E-08	1.61E-03	0.00031	1.69E-05	0.002653	8.63E-08	0.00298
1654	495511.06	3858801.99	0.15623	0.20867	0.18784	0.13874	2.85E-04	1.8E-05	0.001	1.5E-07	0.0013	3.49E-04	2.18E-05	0.00122	8.28E-08	1.59E-03	0.000308	1.67E-05	0.002628	8.55E-08	0.002952
1655	495561.06	3858801.99	0.15573	0.20749	0.185	0.13767	2.84E-04	1.8E-05	0.00098	1.5E-07	0.00128	3.48E-04	2.16E-05	0.001202	8.22E-08	1.57E-03	0.000307	1.66E-05	0.002588	8.49E-08	0.002911
1656	495611.06	3858801.99	0.15373	0.20272	0.17982	0.13616	2.80E-04	1.7E-05	0.00096	1.5E-07	0.00125	3.43E-04	2.11E-05	0.001168	8.13E-08	1.53E-03	0.000303	1.63E-05	0.002516	8.4E-08	0.002835
1657	495661.06	3858801.99	0.15306	0.20085	0.17736	0.13559	2.79E-04	1.7E-05	0.00094	1.4E-07	0.00124	3.42E-04	2.09E-05	0.001152	8.09E-08	1.51E-03	0.000301	1.61E-05	0.002481	8.36E-08	0.002799
1658	494311.06	3858851.99	0.22178	0.2996	0.25914	0.17906	4.04E-04	2.5E-05	0.00138	1.9E-07	0.00181	4.95E-04	3.12E-05	0.001683	1.07E-07	2.21E-03	0.000437	2.4E-05	0.003625	1.1E-07	0.004086
1659	494361.06	3858851.99	0.23307	0.31413	0.27285	0.19133	4.25E-04	2.7E-05	0.00145	2E-07	0.0019	5.21E-04	3.28E-05	0.001772	1.14E-07	2.33E-03	0.000459	2.52E-05	0.003817	1.18E-07	0.004301
1660	494411.06	3858851.99	0.23296	0.31257	0.2704	0.19062	4.25E-04	2.7E-05	0.00144	2E-07	0.00189	5.20E-04	3.26E-05	0.001756	1.14E-07	2.31E-03	0.000459	2.51E-05	0.003783	1.18E-07	0.004267
1661	494461.06	3858851.99	0.23444	0.31388	0.27115	0.19147	4.27E-04	2.7E-05	0.00144	2E-07	0.00189	5.24E-04	3.27E-05	0.001761	1.14E-07	2.32E-03	0.000462	2.52E-05	0.003793	1.18E-07	0.00428
1662	494511.06	3858851.99	0.23509	0.31261	0.27063	0.19251	4.29E-04	2.7E-05	0.00144	2.1E-07	0.00189	5.25E-04	3.26E-05	0.001758	1.15E-07	2.32E-03	0.000463	2.51E-05	0.003786	1.19E-07	0.004274
1663	494561.06	3858851.99	0.23409	0.30687	0.26802	0.1916	4.27E-04	2.6E-05	0.00142	2E-07	0.00188	5.23E-04	3.2E-05	0.001741	1.14E-07	2.30E-03	0.000461	2.46E-05	0.003749	1.18E-07	0.004235
1664	494611.06	3858851.99	0.23092	0.29886	0.26377	0.18932	4.21E-04	2.5E-05	0.0014	2E-07	0.00185	5.16E-04	3.12E-05	0.001713	1.13E-07	2.26E-03	0.000455	2.4E-05	0.00369	1.17E-07	0.004169
1665	494661.06	3858851.99	0.22611	0.29081	0.2568	0.18515	4.12E-04	2.5E-05	0.00136	2E-07	0.0018	5.05E-04	3.03E-05	0.001668	1.11E-07	2.20E-03	0.000445	2.33E-05	0.003592	1.14E-07	0.004061
1666	494711.06	3858851.99	0.21763	0.2824	0.24639	0.17833	3.97E-04	2.4E-05	0.00131	1.9E-07	0.00173	4.86E-04	2.94E-05	0.0016	1.06E-07	2.12E-03	0.000429	2.27E-05	0.003447	1.1E-07	0.003898
1667	494761.06	3858851.99	0.21039	0.26929	0.23703	0.1715	3.84E-04	2.3E-05	0.00126	1.8E-07	0.00167	4.70E-04	2.81E-05	0.00154	1.02E-07	2.04E-03	0.000414	2.16E-05	0.003316	1.06E-07	0.003752
1668	494811.06	3858851.99	0.2054	0.26374	0.22992	0.16772	3.74E-04	2.2E-05	0.00122	1.8E-07	0.00162	4.59E-04	2.75E-05	0.001493	1E-07	1.98E-03	0.000405	2.12E-05	0.003216	1.03E-07	0.003642
1669	494861.06	3858851.99	0.20189	0.25927	0.22616	0.16525	3.68E-04	2.2E-05	0.0012	1.8E-07	0.00159	4.51E-04	2.7E-05	0.001469	9.86E-08	1.95E-03	0.000398	2.08E-05	0.003164	1.02E-07	0.003582
1670	494911.06	3858851.99	0.19667	0.25316	0.22139	0.16225	3.58E-04	2.2E-05	0.00118	1.7E-07	0.00156	4.39E-04	2.64E-05	0.001438	9.68E-08	1.90E-03	0.000387	2.03E-05	0.003097	1E-07	0.003505
1671	494961.06	3858851.99	0.19294	0.24832	0.217	0.16007	3.52E-04	2.1E-05	0.00115	1.7E-07	0.00153	4.31E-04	2.59E-05	0.001409	9.55E-08	1.87E-03	0.00038	1.99E-05	0.003036	9.87E-08	0.003436
1672	495011.06	3858851.99	0.1899	0.24304	0.21257	0.1582	3.46E-04	2.1E-05	0.00113	1.7E-07	0.0015	4.24E-04	2.53E-05	0.001381	9.44E-08	1.83E-03	0.000374	1.95E-05	0.002974	9.75E-08	0.003367
1673	495061.06	3858851.99	0.18549	0.2361	0.20707	0.15503	3.38E-04	2E-05	0.0011	1.7E-07	0.00146	4.14E-04	2.46E-05	0.001345	9.25E-08	1.78E-03	0.000365	1.89E-05	0.002897	9.56E-08	0.003281
1674	495111.06	3858851.99	0.1761	0.22705	0.19933	0.14994	3.21E-04	1.9E-05	0.00106	1.6E-07	0.0014	3.93E-04	2.37E-05	0.001295	8.95E-08	1.71E-03	0.000347	1.82E-05	0.002788	9.24E-08	0.003154
1675	495161.06	3858851.99	0.17016	0.22227	0.19556	0.14697	3.10E-04	1.9E-05	0.00104	1.6E-07	0.00137	3.80E-04	2.32E-05	0.00127	8.77E-08	1.67E-03	0.000335	1.78E-05	0.002736	9.06E-08	0.003089
1676	495211.06	3858851.99	0.16988	0.22396	0.19587	0.14671	3.10E-04	1.9E-05	0.00104	1.6E-07	0.00137	3.79E-04	2.34E-05	0.001272	8.76E-08	1.68E-03	0.000335	1.8E-05	0.00274	9.05E-08	0.003093
1677	495261.06	3858851.99	0.16795	0.22282	0.19456	0.14585	3.06E-04	1.9E-05	0.00103	1.6E-07	0.00136	3.75E-04	2.32E-05	0.001264	8.7E-08	1.66E-03	0.000331	1.79E-05	0.002722	8.99E-08	0.00307
1678	495311.06	3858851.99	0.1667	0.22231	0.19439	0.14541	3.04E-04	1.9E-05	0.00103	1.6E-07	0.00136	3.72E-04	2.32E-05	0.001263	8.68E-08	1.66E-03	0.000328	1.78E-05	0.002719	8.97E-08	0.003066
1679	495361.06	3858851.99	0.16518	0.22096	0.19348	0.14462	3.01E-04	1.9E-05	0.00103	1.5E-07	0.00135	3.69E-04	2.3E-05	0.001257	8.63E-08	1.65E-03	0.000325	1.77E-05	0.002707	8.92E-08	0.00305
1680	495411.06	3858851.99	0.16439	0.21888	0.19262	0.14419	3.00E-04	1.9E-05	0.00102	1.5E-07	0.00134	3.67E-04	2.28E-05	0.001251	8.61E-08	1.64E-03	0.000324	1.76E-05	0.002695	8.89E-08	0.003036
1681	495461.06	3858851.99	0.16344	0.21696	0.19259	0.144	2.98E-04	1.8E-05	0.00102	1.5E-07	0.00134	3.65E-04	2.26E-05	0.001251	8.59E-08	1.64E-03	0.000322	1.74E-05	0.002694	8.88E-08	0.003034
1682	495511.06	3858851.99	0.16253	0.21398	0.1923	0.14275	2.96E-04	1.8E-05	0.00102	1.5E-07	0.00134	3.63E-04	2.23E-05	0.001249	8.52E-08	1.63E-03	0.00032	1.72E-05	0.00269	8.8E-08	0.003027
1683	495561.06	3858851.99	0.15874	0.20999	0.18953	0.14051	2.89E-04	1.8E-05	0.00101	1.5E-07	0.00131	3.55E-04	2.19E-05	0.001231	8.39E-08	1.61E-03	0.000313	1.68E-05	0.002651	8.66E-08	0.002981
1684	495611.06	3858851.99	0.15669	0.20965	0.18744	0.13847	2.86E-04	1.8E-05	0.001	1.5E-07	0.0013	3.50E-04	2.19E-05	0.001217	8.26E-08	1.59E-03	0.000309	1.68E-05	0.002622	8.54E-08	0.002948
1685	495661.06	3858851.99	0.15705	0.21058	0.18743	0.1377	2.86E-04	1.8E-05	0.001	1.5E-07	0.0013	3.51E-04	2.2E-05	0.001217	8.22E-08	1.59E-03	0.000309	1.69E-05	0.002622	8.49E-08	0.002948
1686	494311.06	3858901.99	0.23429	0.32335	0.28062	0.18757	4.27E-04	2.8E-05	0.00149	2E-07	0.00195	5.23E-04	3.37E-05	0.001823	1.12E-07	2.38E-03	0.000461	2.59E-05	0.003926	1.16E-07	0.004413
1687	494361.06	3858901.99	0.24351	0.33715	0.28919	0.19535	4.44E-04	2.9E-05	0.00154	2.1E-07	0.00201	5.44E-04	3.52E-05	0.001878	1.17E-07	2.46E-03	0.00048	2.7E-05	0.004045	1.2E-07	0.004552
1688	494411.06	3858901.99	0.24496	0.33598	0.28926	0.19685	4.47E-04	2.9E-05	0.00154	2.1E-07	0.00201	5.47E-04	3.5E-05	0.001879	1.17E-07	2.46E-03	0.000482	2.7E-05	0.004046	1.21E-07	0.004556
1689	494461.06	3858901.99	0.24714	0.33248	0.28871	0.19807	4.50E-04	2.8E-05	0.00153	2.1E-07	0.00201	5.52E-04	3.47E-05	0.001875	1.18E-07	2.46E-03	0.000487	2.67E-05	0.004039	1.22E-07	0.004552
1690	494511.06	3858901.99	0.24733	0.32979	0.2878	0.19792	4.51E-04	2.8E-05	0.00153	2.1E-07	0.00201	5.52E-04	3.44E-05	0.001869	1.18E-07	2.46E-03	0.000487	2.65E-05	0.004026	1.22E-07	0.00454
1691	494561.06	3858901.99	0.24168	0.3243	0.28238	0.19526	4.41E-04	2.8E-05	0.0015	2.1E-07	0.00197	5.40E-04	3.38E-05	0.001834	1.17E-07	2.41E-03	0.000476	2.6E-05	0.00395	1.2E-07	0.004452
1692	494611.06	3858901.99	0.23405	0.3136	0.27208	0.19072	4.27E-04	2.7E-05	0.00145	2E-07	0.0019	5.23E-04	3.27E-05	0.001767	1.14E-07	2.32E-03	0.000461	2.52E-05	0.003806	1.18E-07	0.004292
1693	494661.06	3858901.99	0.23071	0.30628	0.2671	0.18846	4.21E-04	2.6E-05	0.00142	2E-07	0.00187	5.15E-04	3.19E-05	0.001735	1.12E-07	2.28E-03	0.000454	2.46E-05	0.003736	1.16E-07	0.004216
1694	494711.06	3858901.99	0.22447	0.29488	0.2569	0.18332	4.09E-04	2.5E-05	0.00136	2E-07	0.0018	5.01E-04	3.07E-05	0.001669	1.09E-07	2.20E-03	0.000442	2.37E-05	0.003594	1.13E-07	0.00406
1695	494761.06	3858901.99	0.21657	0.28181	0.24621	0.17653	3.95E-04	2.4E-05	0.00131	1.9E-07	0.00173	4.84E-04	2.94E-05	0.001599	1.05E-07	2.11E-03	0.000427	2.26E-05	0.003444	1.09E-07	0.003893
1696	494811.06	3858901.99	0.21148	0.27269	0.24012	0.17071	3.85E-04	2.3E-05	0.00128	1.8E-07	0.00168	4.72E-04	2.84E-05	0.00156	1.02E-07	2.06E-03	0.000417	2.19E-05	0.003359	1.05E-07	0.003798
1697	494861.06	3858901.99	0.2068	0.26383	0.23575	0.16857	3.77E-04	2.2E-05	0.00125	1.8E-07	0.00165	4.62E-04	2.75E-05	0.001531	1.01E-07	2.02E-03	0.000407	2.12E-05	0.003298	1.04E-07	0.003726
1698	494911.06	3858901.99	0.1996	0.25577	0.22622	0.16318	3.64E-04	2.2E-05	0.0012	1.7E-07	0.00159	4.46E-04	2.67E-05	0.001469	9.74E-08	1.94E-03	0.000393	2.05E-05	0.003165	1.01E-07	0.003578
1699	494961.06	3858901.99	0.19579	0.25308	0.22119	0.16092	3.57E-04	2.2E-05	0.00118	1.7E-07	0.00155	4.37E-04	2.64E-05	0.001437	9.6E-08	1.90E-03	0.000386	2.03E-05	0.003094	9.92E-08	0.0035
1700	495011.06	3858901.99	0.1924	0.24934	0.21722	0.15879	3.51E-04	2.1E-05	0.00115	1.7E-07	0.00153	4.30E-04	2.6E-05	0.001411	9.48E-08	1.87E-03	0.000379	2E-05	0.003039	9.79E-08	0.003438
1701	495061.06	3858901.99	0.18724	0.24119	0.21091	0.15625	3.41E-04	2.1E-05	0.00112	1.7E-07	0.00148	4.18E-04	2.52E-05	0.00137	9.33E-08	1.81E-03	0.000369	1.93E-05	0.00295	9.63E-08	0.003339
1702	495111.06	3858901.99	0.17958	0.23089	0.20198	0.15115	3.27E-04	2E-05	0.00107	1.6E-07	0.00142	4.01E-04	2.41E-05	0.001312	9.02E-08	1.74E-03	0.000354	1.85E-05	0.002825	9.32E-08	0.003198
1703	495161.06	3858901.99	0.17711	0.22714	0.19926	0.14964	3.23E-04	1.9E-05	0.00106	1.6E-07	0.0014	3.96E-04	2.37E-05	0.001294	8.93E-08	1.71E-03	0.000349	1.82E-05	0.002787	9.23E-08	0.003155
1704	495211.06	3858901.99	0.1801	0.23028	0.20152	0.15079	3.28E-04	2E-05	0.00107	1.6E-07	0.00142	4.02E-04	2.4E-05	0.001309	9E-08	1.74E-03	0.000355	1.85E-05	0.002819	9.3E-08	0.003192

1705	495261.06	3858901.99	0.18004	0.22889	0.20176	0.15046	3.28E-04	1.9E-05	0.00107	1.6E-07	0.00142	4.02E-04	2.39E-05	0.00131	8.98E-08	1.74E-03	0.000355	1.84E-05	0.002822	9.28E-08	0.003195
1706	495311.06	3858901.99	0.17876	0.22779	0.20039	0.14941	3.26E-04	1.9E-05	0.00106	1.6E-07	0.00141	3.99E-04	2.38E-05	0.001302	8.92E-08	1.72E-03	0.000352	1.83E-05	0.002803	9.21E-08	0.003174
1707	495361.06	3858901.99	0.17701	0.2261	0.19935	0.14862	3.23E-04	1.9E-05	0.00106	1.6E-07	0.0014	3.95E-04	2.36E-05	0.001295	8.87E-08	1.71E-03	0.000349	1.81E-05	0.002789	9.16E-08	0.003156
1708	495411.06	3858901.99	0.17641	0.22677	0.19988	0.14911	3.22E-04	1.9E-05	0.00106	1.6E-07	0.0014	3.94E-04	2.36E-05	0.001298	8.9E-08	1.72E-03	0.000347	1.82E-05	0.002796	9.19E-08	0.003162
1709	495461.06	3858901.99	0.17355	0.22564	0.19851	0.14798	3.16E-04	1.9E-05	0.00105	1.6E-07	0.00139	3.88E-04	2.35E-05	0.001289	8.83E-08	1.70E-03	0.000342	1.81E-05	0.002777	9.12E-08	0.003137
1710	495511.06	3858901.99	0.16962	0.22385	0.19605	0.14598	3.09E-04	1.9E-05	0.00104	1.6E-07	0.00137	3.79E-04	2.33E-05	0.001273	8.71E-08	1.68E-03	0.000334	1.8E-05	0.002743	9E-08	0.003095
1711	495561.06	3858901.99	0.16629	0.22262	0.19417	0.1448	3.03E-04	1.9E-05	0.00103	1.5E-07	0.00135	3.71E-04	2.32E-05	0.001261	8.64E-08	1.66E-03	0.000328	1.79E-05	0.002716	8.93E-08	0.003062
1712	495611.06	3858901.99	0.16216	0.21841	0.19131	0.14266	2.96E-04	1.9E-05	0.00102	1.5E-07	0.00133	3.62E-04	2.28E-05	0.001243	8.51E-08	1.63E-03	0.000319	1.75E-05	0.002676	8.8E-08	0.003013
1713	495661.06	3858901.99	0.16224	0.21724	0.19142	0.1429	2.96E-04	1.8E-05	0.00102	1.5E-07	0.00133	3.62E-04	2.27E-05	0.001243	8.53E-08	1.63E-03	0.00032	1.74E-05	0.002678	8.81E-08	0.003015
1714	494311.06	3858951.99	0.25627	0.3613	0.30038	0.19833	4.67E-04	3.1E-05	0.0016	2.1E-07	0.00209	5.72E-04	3.77E-05	0.001951	1.18E-07	2.56E-03	0.000505	2.9E-05	0.004202	1.22E-07	0.004736
1715	494361.06	3858951.99	0.25974	0.36122	0.30576	0.20107	4.73E-04	3.1E-05	0.00162	2.1E-07	0.00213	5.80E-04	3.77E-05	0.001986	1.2E-07	2.60E-03	0.000512	2.9E-05	0.004277	1.24E-07	0.004818
1716	494411.06	3858951.99	0.25597	0.35311	0.30271	0.19968	4.67E-04	3E-05	0.00161	2.1E-07	0.00211	5.72E-04	3.68E-05	0.001966	1.19E-07	2.57E-03	0.000504	2.83E-05	0.004235	1.23E-07	0.004767
1717	494461.06	3858951.99	0.25659	0.35483	0.30087	0.20196	4.68E-04	3E-05	0.0016	2.2E-07	0.0021	5.73E-04	3.7E-05	0.001954	1.21E-07	2.56E-03	0.000505	2.85E-05	0.004209	1.25E-07	0.004743
1718	494511.06	3858951.99	0.25462	0.35234	0.29819	0.20159	4.64E-04	3E-05	0.00158	2.2E-07	0.00208	5.69E-04	3.67E-05	0.001937	1.2E-07	2.54E-03	0.000501	2.83E-05	0.004171	1.24E-07	0.004701
1719	494561.06	3858951.99	0.2508	0.34655	0.29361	0.19905	4.57E-04	2.9E-05	0.00156	2.1E-07	0.00205	5.60E-04	3.61E-05	0.001907	1.19E-07	2.50E-03	0.000494	2.78E-05	0.004107	1.23E-07	0.004629
1720	494611.06	3858951.99	0.24444	0.33249	0.28636	0.19405	4.46E-04	2.8E-05	0.00152	2.1E-07	0.002	5.46E-04	3.47E-05	0.00186	1.16E-07	2.44E-03	0.000481	2.67E-05	0.004006	1.2E-07	0.004514
1721	494661.06	3858951.99	0.23771	0.31786	0.27757	0.19104	4.33E-04	2.7E-05	0.00147	2E-07	0.00194	5.31E-04	3.31E-05	0.001803	1.14E-07	2.37E-03	0.000468	2.55E-05	0.003883	1.18E-07	0.004377
1722	494711.06	3858951.99	0.22865	0.30423	0.26573	0.18667	4.17E-04	2.6E-05	0.00141	2E-07	0.00185	5.11E-04	3.17E-05	0.001726	1.11E-07	2.27E-03	0.00045	2.44E-05	0.003717	1.15E-07	0.004192
1723	494761.06	3858951.99	0.22303	0.29544	0.25719	0.18218	4.07E-04	2.5E-05	0.00137	1.9E-07	0.0018	4.98E-04	3.08E-05	0.001671	1.09E-07	2.20E-03	0.000439	2.37E-05	0.003598	1.12E-07	0.004061
1724	494811.06	3858951.99	0.21951	0.2905	0.25225	0.1791	4.00E-04	2.5E-05	0.00134	1.9E-07	0.00177	4.90E-04	3.03E-05	0.001638	1.07E-07	2.16E-03	0.000432	2.33E-05	0.003529	1.1E-07	0.003984
1725	494861.06	3858951.99	0.21563	0.28313	0.24656	0.17579	3.93E-04	2.4E-05	0.00131	1.9E-07	0.00173	4.82E-04	2.95E-05	0.001601	1.05E-07	2.11E-03	0.000425	2.27E-05	0.003449	1.08E-07	0.003897
1726	494911.06	3858951.99	0.20935	0.27423	0.23825	0.16809	3.82E-04	2.3E-05	0.00127	1.8E-07	0.00167	4.68E-04	2.86E-05	0.001548	1E-07	2.04E-03	0.000412	2.2E-05	0.003333	1.04E-07	0.003767
1727	494961.06	3858951.99	0.20509	0.26733	0.23477	0.1661	3.74E-04	2.3E-05	0.00125	1.8E-07	0.00164	4.58E-04	2.79E-05	0.001525	9.91E-08	2.01E-03	0.000404	2.14E-05	0.003284	1.02E-07	0.00371
1728	495011.06	3858951.99	0.19609	0.25094	0.22386	0.1588	3.57E-04	2.1E-05	0.00119	1.7E-07	0.00157	4.38E-04	2.62E-05	0.001454	9.48E-08	1.92E-03	0.000386	2.01E-05	0.003132	9.79E-08	0.003538
1729	495061.06	3858951.99	0.18768	0.23858	0.21401	0.15404	3.42E-04	2E-05	0.00114	1.6E-07	0.0015	4.19E-04	2.49E-05	0.00139	9.19E-08	1.83E-03	0.00037	1.91E-05	0.002994	9.5E-08	0.003383
1730	495111.06	3858951.99	0.18142	0.23189	0.20575	0.15097	3.31E-04	2E-05	0.00109	1.6E-07	0.00144	4.05E-04	2.42E-05	0.001336	9.01E-08	1.77E-03	0.000357	1.86E-05	0.002878	9.31E-08	0.003254
1731	495161.06	3858951.99	0.18489	0.23886	0.20844	0.15298	3.37E-04	2E-05	0.00111	1.6E-07	0.00146	4.13E-04	2.49E-05	0.001354	9.13E-08	1.79E-03	0.000364	1.92E-05	0.002916	9.43E-08	0.003299
1732	495211.06	3858951.99	0.18522	0.24012	0.20882	0.15327	3.38E-04	2E-05	0.00111	1.6E-07	0.00147	4.14E-04	2.5E-05	0.001356	9.15E-08	1.80E-03	0.000365	1.93E-05	0.002921	9.45E-08	0.003305
1733	495261.06	3858951.99	0.18556	0.24106	0.20939	0.15313	3.38E-04	2.1E-05	0.00111	1.6E-07	0.00147	4.14E-04	2.51E-05	0.00136	9.14E-08	1.80E-03	0.000365	1.93E-05	0.002929	9.44E-08	0.003314
1734	495311.06	3858951.99	0.18326	0.23881	0.20639	0.15155	3.34E-04	2E-05	0.0011	1.6E-07	0.00145	4.09E-04	2.49E-05	0.001341	9.05E-08	1.77E-03	0.000361	1.92E-05	0.002887	9.34E-08	0.003267
1735	495361.06	3858951.99	0.18413	0.23795	0.20834	0.15165	3.36E-04	2E-05	0.00111	1.6E-07	0.00146	4.11E-04	2.48E-05	0.001353	9.05E-08	1.79E-03	0.000363	1.91E-05	0.002914	9.35E-08	0.003296
1736	495411.06	3858951.99	0.18506	0.23705	0.20943	0.1522	3.37E-04	2E-05	0.00111	1.6E-07	0.00147	4.13E-04	2.47E-05	0.00136	9.08E-08	1.80E-03	0.000364	1.9E-05	0.00293	9.38E-08	0.003313
1737	495461.06	3858951.99	0.18418	0.23578	0.20725	0.15171	3.36E-04	2E-05	0.0011	1.6E-07	0.00146	4.11E-04	2.46E-05	0.001346	9.05E-08	1.78E-03	0.000363	1.89E-05	0.002899	9.35E-08	0.003281
1738	495511.06	3858951.99	0.1839	0.23725	0.20671	0.15152	3.35E-04	2E-05	0.0011	1.6E-07	0.00145	4.11E-04	2.47E-05	0.001343	9.04E-08	1.78E-03	0.000362	1.9E-05	0.002892	9.34E-08	0.003273
1739	495561.06	3858951.99	0.17791	0.23037	0.20147	0.14896	3.24E-04	2E-05	0.00107	1.6E-07	0.00141	3.97E-04	2.4E-05	0.001309	8.89E-08	1.73E-03	0.00035	1.85E-05	0.002818	9.18E-08	0.003187
1740	495611.06	3858951.99	0.17384	0.22676	0.19884	0.14713	3.17E-04	1.9E-05	0.00106	1.6E-07	0.00139	3.88E-04	2.36E-05	0.001292	8.78E-08	1.70E-03	0.000342	1.82E-05	0.002782	9.07E-08	0.003142
1741	495661.06	3858951.99	0.17283	0.22593	0.19876	0.14733	3.15E-04	1.9E-05	0.00106	1.6E-07	0.00139	3.86E-04	2.36E-05	0.001291	8.79E-08	1.70E-03	0.00034	1.81E-05	0.00278	9.08E-08	0.003139
1742	494311.06	3859001.99	0.27119	0.38744	0.31912	0.20972	4.94E-04	3.3E-05	0.0017	2.2E-07	0.00222	6.06E-04	4.04E-05	0.002073	1.25E-07	2.72E-03	0.000534	3.11E-05	0.004464	1.29E-07	0.005029
1743	494361.06	3859001.99	0.27049	0.38766	0.31762	0.20994	4.93E-04	3.3E-05	0.00169	2.2E-07	0.00221	6.04E-04	4.04E-05	0.002063	1.25E-07	2.71E-03	0.000533	3.11E-05	0.004443	1.29E-07	0.005007
1744	494411.06	3859001.99	0.26978	0.38752	0.31521	0.21146	4.92E-04	3.3E-05	0.00167	2.3E-07	0.0022	6.03E-04	4.04E-05	0.002047	1.26E-07	2.69E-03	0.000531	3.11E-05	0.004409	1.3E-07	0.004972
1745	494461.06	3859001.99	0.26628	0.38072	0.31274	0.21009	4.85E-04	3.2E-05	0.00166	2.2E-07	0.00218	5.95E-04	3.97E-05	0.002031	1.25E-07	2.67E-03	0.000524	3.05E-05	0.004375	1.3E-07	0.00493
1746	494511.06	3859001.99	0.26266	0.37351	0.31105	0.20852	4.79E-04	3.2E-05	0.00165	2.2E-07	0.00216	5.87E-04	3.89E-05	0.00202	1.24E-07	2.65E-03	0.000517	3E-05	0.004351	1.29E-07	0.004899
1747	494561.06	3859001.99	0.25736	0.35744	0.30187	0.20262	4.69E-04	3E-05	0.0016	2.2E-07	0.0021	5.75E-04	3.73E-05	0.001961	1.21E-07	2.57E-03	0.000507	2.87E-05	0.004223	1.25E-07	0.004759
1748	494611.06	3859001.99	0.25173	0.34796	0.29483	0.19825	4.59E-04	3E-05	0.00157	2.1E-07	0.00206	5.62E-04	3.63E-05	0.001915	1.18E-07	2.51E-03	0.000496	2.79E-05	0.004124	1.22E-07	0.004648
1749	494661.06	3859001.99	0.24504	0.3349	0.28806	0.19374	4.47E-04	2.8E-05	0.00153	2.1E-07	0.00201	5.47E-04	3.49E-05	0.001871	1.16E-07	2.45E-03	0.000483	2.69E-05	0.00403	1.19E-07	0.004539
1750	494711.06	3859001.99	0.23645	0.32001	0.27828	0.18813	4.31E-04	2.7E-05	0.00148	2E-07	0.00194	5.28E-04	3.34E-05	0.001808	1.12E-07	2.37E-03	0.000466	2.57E-05	0.003893	1.16E-07	0.004384
1751	494761.06	3859001.99	0.23152	0.31495	0.27081	0.18528	4.22E-04	2.7E-05	0.00144	2E-07	0.00189	5.17E-04	3.28E-05	0.001759	1.11E-07	2.31E-03	0.000456	2.53E-05	0.003788	1.14E-07	0.00427
1752	494811.06	3859001.99	0.22766	0.30593	0.26598	0.18393	4.15E-04	2.6E-05	0.00141	2E-07	0.00185	5.09E-04	3.19E-05	0.001728	1.1E-07	2.27E-03	0.000448	2.45E-05	0.003721	1.13E-07	0.004194
1753	494861.06	3859001.99	0.22254	0.29448	0.25844	0.1809	4.06E-04	2.5E-05	0.00137	1.9E-07	0.0018	4.97E-04	3.07E-05	0.001679	1.08E-07	2.21E-03	0.000438	2.36E-05	0.003615	1.12E-07	0.004077
1754	494911.06	3859001.99	0.21724	0.28729	0.25027	0.17676	3.96E-04	2.4E-05	0.00133	1.9E-07	0.00175	4.85E-04	3E-05	0.001626	1.05E-07	2.14E-03	0.000428	2.3E-05	0.003501	1.09E-07	0.003952
1755	494961.06	3859001.99	0.21152	0.279	0.24289	0.17183	3.86E-04	2.4E-05	0.00129	1.8E-07	0.0017	4.72E-04	2.91E-05	0.001578	1.03E-07	2.08E-03	0.000417	2.24E-05	0.003398	1.06E-07	0.003837
1756	495011.06	3859001.99	0.19647	0.25387	0.22294	0.15811	3.58E-04	2.2E-05	0.00118	1.7E-07	0.00156	4.39E-04	2.65E-05	0.001448	9.44E-08	1.91E-03	0.000387	2.04E-05	0.003119	9.75E-08	0.003526
1757	495061.06	3859001.99	0.19314	0.25072	0.21913	0.15646	3.52E-04	2.1E-05	0.00116	1.7E-07	0.00154	4.31E-04	2.61E-05	0.001423	9.34E-08	1.88E-03	0.00038	2.01E-05	0.003065	9.65E-08	0.003466
1758	495111.06	3859001.99	0.18623	0.24163	0.21228	0.15217	3.39E-04	2.1E-05	0.00113	1.6E-07	0.00149	4.16E-04	2.52E-05	0.001379	9.08E-08	1.82E-03	0.000367	1.94E-05	0.00297	9.38E-08	0.003356
1759	495161.06	3859001.99	0.191	0.25005	0.21893	0.15488	3.48E-04	2.1E-05	0.00116	1.7E-07	0.00153	4.27E-04	2.61E-05	0.001422	9.24E-08	1.87E-03	0.000376	2.01E-05	0.003063	9.55E-08	0.003459
1760	495211.06	3859001.99	0.18969	0.24383	0.21709	0.15439	3.46E-04	2.1E-05	0.00115	1.6E-07	0.00152	4.24E-04	2.54E-05	0.00141	9.21E-08	1.86E-03	0.000374	1.96E-05	0.003037	9.52E-08	0.00343
1761	495261.06	3859001.99	0.18998	0.2418	0.21576	0.1551	3.46E-04	2.1E-05	0.00115	1.7E-07	0.00151	4.24E-04	2.52E-05	0.001401	9.26E-08	1.85E-03	0.000374	1.94E-05	0.003018	9.56E-08	0.003412
1762	495311.06	3859001.99	0.18934	0.24505	0.21424	0.15454	3.45E-04	2.1E-05	0.00114	1.6E-07	0.0015	4.23E-04	2.56E-05	0.001392	9.22E-08	1.84E-03	0.000373	1.97E-05	0.002997	9.53E-08	0.00339
1763	495361.06	3859001.99	0.18953	0.24734	0.21483	0.15498	3.45E-04	2.1E-05	0.00114	1.7E-07	0.00151	4.23E-04	2.58E-05	0.001395	9.25E-08	1.84E-03	0.000373	1.98E-05	0.003005	9.56E-08	0.003398
1764	495411.06	3859001.99	0.18869	0.24798	0.21477	0.15473	3.44E-04	2.1E-05	0.00114	1.7E-07	0.00151	4.21E-04	2.59E-05	0.001395	9.23E-08	1.84E-03	0.000372	1.99E-05	0.003004	9.54E-08	0.003396
1765	495461.06	3859001.99	0.18836	0.24885	0.21521	0.15485	3.43E-04	2.1E-05	0.00114	1.7E-07	0.00151	4.21E-04	2.59E-05	0.001398	9.24E-08	1.84E-03	0.000371	2E-05	0.003011	9.55E-08	0.003402

1766	495511.06	3859001.99	0.18567	0.24378	0.21156	0.15276	3.38E-04	2.1E-05	0.00112	1.6E-07	0.00148	4.15E-04	2.54E-05	0.001374	9.12E-08	1.81E-03	0.000366	1.96E-05	0.00296	9.42E-08	0.003345
1767	495561.06	3859001.99	0.18449	0.23988	0.21013	0.15177	3.36E-04	2E-05	0.00112	1.6E-07	0.00147	4.12E-04	2.5E-05	0.001365	9.06E-08	1.80E-03	0.000363	1.92E-05	0.00294	9.36E-08	0.003322
1768	495611.06	3859001.99	0.18304	0.23681	0.20698	0.15055	3.34E-04	2E-05	0.0011	1.6E-07	0.00145	4.09E-04	2.47E-05	0.001344	8.99E-08	1.78E-03	0.00036	1.9E-05	0.002895	9.28E-08	0.003275
1769	495661.06	3859001.99	0.18468	0.23892	0.20743	0.15178	3.37E-04	2E-05	0.0011	1.6E-07	0.00146	4.13E-04	2.49E-05	0.001347	9.06E-08	1.78E-03	0.000364	1.92E-05	0.002902	9.36E-08	0.003285
1770	494311.06	3859051.99	0.28238	0.39803	0.3332	0.21979	5.15E-04	3.4E-05	0.00177	2.3E-07	0.00232	6.31E-04	4.15E-05	0.002164	1.31E-07	2.84E-03	0.000556	3.19E-05	0.004661	1.36E-07	0.005249
1771	494361.06	3859051.99	0.28309	0.40177	0.33335	0.22103	5.16E-04	3.4E-05	0.00177	2.4E-07	0.00232	6.32E-04	4.19E-05	0.002165	1.32E-07	2.84E-03	0.000558	3.22E-05	0.004663	1.36E-07	0.005253
1772	494411.06	3859051.99	0.28025	0.39825	0.32956	0.21865	5.11E-04	3.4E-05	0.00175	2.3E-07	0.0023	6.26E-04	4.15E-05	0.002141	1.3E-07	2.81E-03	0.000552	3.19E-05	0.00461	1.35E-07	0.005194
1773	494461.06	3859051.99	0.27598	0.39295	0.32557	0.21683	5.03E-04	3.3E-05	0.00173	2.3E-07	0.00227	6.16E-04	4.1E-05	0.002115	1.29E-07	2.77E-03	0.000544	3.15E-05	0.004554	1.34E-07	0.00513
1774	494511.06	3859051.99	0.27027	0.38727	0.31907	0.21372	4.93E-04	3.3E-05	0.0017	2.3E-07	0.00222	6.04E-04	4.04E-05	0.002072	1.28E-07	2.72E-03	0.000532	3.11E-05	0.004463	1.32E-07	0.005027
1775	494561.06	3859051.99	0.26499	0.38173	0.31332	0.21048	4.83E-04	3.2E-05	0.00166	2.2E-07	0.00218	5.92E-04	3.98E-05	0.002035	1.26E-07	2.67E-03	0.000522	3.06E-05	0.004383	1.3E-07	0.004936
1776	494611.06	3859051.99	0.25814	0.37154	0.30513	0.20444	4.71E-04	3.2E-05	0.00162	2.2E-07	0.00212	5.77E-04	3.87E-05	0.001982	1.22E-07	2.60E-03	0.000508	2.98E-05	0.004268	1.26E-07	0.004807
1777	494661.06	3859051.99	0.25157	0.35843	0.29644	0.19817	4.59E-04	3.1E-05	0.00158	2.1E-07	0.00206	5.62E-04	3.74E-05	0.001925	1.18E-07	2.52E-03	0.000495	2.88E-05	0.004147	1.22E-07	0.004671
1778	494711.06	3859051.99	0.24619	0.3426	0.28762	0.19321	4.49E-04	2.9E-05	0.00153	2.1E-07	0.00201	5.50E-04	3.57E-05	0.001868	1.15E-07	2.45E-03	0.000485	2.75E-05	0.004024	1.19E-07	0.004536
1779	494761.06	3859051.99	0.24007	0.33138	0.28154	0.18923	4.38E-04	2.8E-05	0.0015	2E-07	0.00196	5.36E-04	3.46E-05	0.001829	1.13E-07	2.40E-03	0.000473	2.66E-05	0.003938	1.17E-07	0.004438
1780	494811.06	3859051.99	0.23602	0.32331	0.27781	0.18682	4.30E-04	2.8E-05	0.00148	2E-07	0.00193	5.27E-04	3.37E-05	0.001804	1.12E-07	2.37E-03	0.000465	2.59E-05	0.003886	1.15E-07	0.004377
1781	494861.06	3859051.99	0.23152	0.31333	0.27303	0.18415	4.22E-04	2.7E-05	0.00145	2E-07	0.0019	5.17E-04	3.27E-05	0.001773	1.1E-07	2.32E-03	0.000456	2.51E-05	0.003819	1.14E-07	0.004301
1782	494911.06	3859051.99	0.22405	0.30171	0.26275	0.17909	4.08E-04	2.6E-05	0.0014	1.9E-07	0.00183	5.00E-04	3.15E-05	0.001707	1.07E-07	2.24E-03	0.000441	2.42E-05	0.003676	1.1E-07	0.004141
1783	494961.06	3859051.99	0.21349	0.28397	0.24761	0.1721	3.89E-04	2.4E-05	0.00132	1.8E-07	0.00173	4.77E-04	2.96E-05	0.001608	1.03E-07	2.11E-03	0.00042	2.28E-05	0.003464	1.06E-07	0.003907
1784	495011.06	3859051.99	0.20644	0.27122	0.2371	0.16446	3.76E-04	2.3E-05	0.00126	1.8E-07	0.00166	4.61E-04	2.83E-05	0.00154	9.82E-08	2.03E-03	0.000407	2.18E-05	0.003317	1.01E-07	0.003745
1785	495061.06	3859051.99	0.20173	0.26277	0.23003	0.16012	3.68E-04	2.2E-05	0.00122	1.7E-07	0.00161	4.51E-04	2.74E-05	0.001494	9.56E-08	1.97E-03	0.000397	2.11E-05	0.003218	9.87E-08	0.003636
1786	495111.06	3859051.99	0.19909	0.25774	0.22661	0.15868	3.63E-04	2.2E-05	0.0012	1.7E-07	0.00159	4.45E-04	2.69E-05	0.001472	9.47E-08	1.94E-03	0.000392	2.07E-05	0.00317	9.78E-08	0.003583
1787	495161.06	3859051.99	0.20039	0.26002	0.23062	0.16053	3.65E-04	2.2E-05	0.00123	1.7E-07	0.00161	4.48E-04	2.71E-05	0.001498	9.58E-08	1.97E-03	0.000395	2.09E-05	0.003226	9.9E-08	0.003642
1788	495211.06	3859051.99	0.19645	0.25722	0.22688	0.15837	3.58E-04	2.2E-05	0.00121	1.7E-07	0.00159	4.39E-04	2.68E-05	0.001474	9.45E-08	1.94E-03	0.000387	2.06E-05	0.003174	9.76E-08	0.003581
1789	495261.06	3859051.99	0.19643	0.25948	0.22715	0.15975	3.58E-04	2.2E-05	0.00121	1.7E-07	0.00159	4.39E-04	2.71E-05	0.001475	9.53E-08	1.94E-03	0.000387	2.08E-05	0.003178	9.85E-08	0.003585
1790	495311.06	3859051.99	0.19448	0.25541	0.22412	0.15867	3.55E-04	2.2E-05	0.00119	1.7E-07	0.00157	4.34E-04	2.66E-05	0.001456	9.47E-08	1.92E-03	0.000383	2.05E-05	0.003135	9.78E-08	0.003539
1791	495361.06	3859051.99	0.19361	0.25396	0.22219	0.15866	3.53E-04	2.2E-05	0.00118	1.7E-07	0.00156	4.32E-04	2.65E-05	0.001443	9.47E-08	1.90E-03	0.000381	2.04E-05	0.003108	9.78E-08	0.00351
1792	495411.06	3859051.99	0.19497	0.25504	0.22207	0.15953	3.55E-04	2.2E-05	0.00118	1.7E-07	0.00156	4.36E-04	2.66E-05	0.001442	9.52E-08	1.90E-03	0.000384	2.05E-05	0.003107	9.84E-08	0.003511
1793	495461.06	3859051.99	0.19606	0.25949	0.22249	0.16033	3.57E-04	2.2E-05	0.00118	1.7E-07	0.00156	4.38E-04	2.71E-05	0.001445	9.57E-08	1.91E-03	0.000386	2.08E-05	0.003112	9.89E-08	0.003519
1794	495511.06	3859051.99	0.19242	0.25529	0.21871	0.15747	3.51E-04	2.2E-05	0.00116	1.7E-07	0.00153	4.30E-04	2.66E-05	0.001421	9.4E-08	1.88E-03	0.000379	2.05E-05	0.00306	9.71E-08	0.003459
1795	495561.06	3859051.99	0.18966	0.25438	0.21609	0.15543	3.46E-04	2.2E-05	0.00115	1.7E-07	0.00152	4.24E-04	2.65E-05	0.001404	9.28E-08	1.85E-03	0.000374	2.04E-05	0.003023	9.58E-08	0.003417
1796	495611.06	3859051.99	0.18735	0.25352	0.21414	0.15388	3.42E-04	2.2E-05	0.00114	1.6E-07	0.0015	4.18E-04	2.64E-05	0.001391	9.18E-08	1.84E-03	0.000369	2.03E-05	0.002996	9.49E-08	0.003385
1797	495661.06	3859051.99	0.18849	0.25608	0.21638	0.15555	3.44E-04	2.2E-05	0.00115	1.7E-07	0.00152	4.21E-04	2.67E-05	0.001405	9.28E-08	1.85E-03	0.000371	2.05E-05	0.003027	9.59E-08	0.003419
1798	494311.06	3859101.99	0.29425	0.40703	0.34047	0.23633	5.36E-04	3.5E-05	0.00181	2.5E-07	0.00238	6.57E-04	4.24E-05	0.002211	1.41E-07	2.91E-03	0.00058	3.27E-05	0.004763	1.46E-07	0.005375
1799	494361.06	3859101.99	0.29223	0.40746	0.33854	0.23321	5.33E-04	3.5E-05	0.0018	2.5E-07	0.00237	6.53E-04	4.25E-05	0.002199	1.39E-07	2.89E-03	0.000576	3.27E-05	0.004736	1.44E-07	0.005344
1800	494411.06	3859101.99	0.28995	0.40786	0.33804	0.23126	5.29E-04	3.5E-05	0.0018	2.5E-07	0.00236	6.48E-04	4.25E-05	0.002196	1.38E-07	2.89E-03	0.000571	3.27E-05	0.004729	1.43E-07	0.005333
1801	494461.06	3859101.99	0.2862	0.40585	0.33528	0.22705	5.22E-04	3.5E-05	0.00178	2.4E-07	0.00234	6.39E-04	4.23E-05	0.002178	1.36E-07	2.86E-03	0.000564	3.26E-05	0.00469	1.4E-07	0.005287
1802	494511.06	3859101.99	0.28017	0.39778	0.32965	0.21938	5.11E-04	3.4E-05	0.00175	2.3E-07	0.0023	6.26E-04	4.15E-05	0.002141	1.31E-07	2.81E-03	0.000552	3.19E-05	0.004611	1.35E-07	0.005195
1803	494561.06	3859101.99	0.27553	0.38916	0.32351	0.21445	5.02E-04	3.3E-05	0.00172	2.3E-07	0.00225	6.15E-04	4.06E-05	0.002101	1.28E-07	2.76E-03	0.000543	3.12E-05	0.004526	1.32E-07	0.0051
1804	494611.06	3859101.99	0.26705	0.38013	0.31442	0.20852	4.87E-04	3.2E-05	0.00167	2.2E-07	0.00219	5.97E-04	3.96E-05	0.002042	1.24E-07	2.68E-03	0.000526	3.05E-05	0.004398	1.29E-07	0.004955
1805	494661.06	3859101.99	0.2614	0.3737	0.30984	0.20604	4.76E-04	3.2E-05	0.00165	2.2E-07	0.00215	5.84E-04	3.9E-05	0.002013	1.23E-07	2.64E-03	0.000515	3E-05	0.004334	1.27E-07	0.004879
1806	494711.06	3859101.99	0.25242	0.36014	0.29881	0.19767	4.60E-04	3.1E-05	0.00159	2.1E-07	0.00208	5.64E-04	3.76E-05	0.001941	1.18E-07	2.54E-03	0.000497	2.89E-05	0.00418	1.22E-07	0.004706
1807	494761.06	3859101.99	0.24889	0.35822	0.29553	0.19654	4.54E-04	3E-05	0.00157	2.1E-07	0.00205	5.56E-04	3.74E-05	0.00192	1.17E-07	2.51E-03	0.00049	2.87E-05	0.004134	1.21E-07	0.004653
1808	494811.06	3859101.99	0.24409	0.3487	0.28584	0.19189	4.45E-04	3E-05	0.00152	2E-07	0.00199	5.45E-04	3.64E-05	0.001857	1.15E-07	2.44E-03	0.000481	2.8E-05	0.003999	1.18E-07	0.004507
1809	494861.06	3859101.99	0.23969	0.33875	0.2792	0.18798	4.37E-04	2.9E-05	0.00148	2E-07	0.00195	5.35E-04	3.53E-05	0.001813	1.12E-07	2.38E-03	0.000472	2.72E-05	0.003906	1.16E-07	0.004405
1810	494911.06	3859101.99	0.23203	0.32254	0.27188	0.18343	4.23E-04	2.7E-05	0.00144	2E-07	0.0019	5.18E-04	3.36E-05	0.001766	1.09E-07	2.32E-03	0.000457	2.59E-05	0.003803	1.13E-07	0.004286
1811	494961.06	3859101.99	0.22014	0.30009	0.25916	0.17346	4.01E-04	2.6E-05	0.00138	1.9E-07	0.0018	4.92E-04	3.13E-05	0.001683	1.04E-07	2.21E-03	0.000434	2.41E-05	0.003625	1.07E-07	0.004083
1812	495011.06	3859101.99	0.20928	0.27895	0.24329	0.16628	3.81E-04	2.4E-05	0.00129	1.8E-07	0.0017	4.67E-04	2.91E-05	0.00158	9.92E-08	2.08E-03	0.000412	2.24E-05	0.003403	1.03E-07	0.003838
1813	495061.06	3859101.99	0.20917	0.27992	0.24322	0.16694	3.81E-04	2.4E-05	0.00129	1.8E-07	0.0017	4.67E-04	2.92E-05	0.00158	9.96E-08	2.08E-03	0.000412	2.25E-05	0.003402	1.03E-07	0.003837
1814	495111.06	3859101.99	0.20623	0.27413	0.23839	0.16575	3.76E-04	2.3E-05	0.00127	1.8E-07	0.00167	4.61E-04	2.86E-05	0.001548	9.89E-08	2.04E-03	0.000406	2.2E-05	0.003335	1.02E-07	0.003763
1815	495161.06	3859101.99	0.20819	0.27849	0.2405	0.16804	3.79E-04	2.4E-05	0.00128	1.8E-07	0.00168	4.65E-04	2.9E-05	0.001562	1E-07	2.06E-03	0.00041	2.23E-05	0.003364	1.04E-07	0.003797
1816	495211.06	3859101.99	0.20511	0.27167	0.23682	0.16675	3.74E-04	2.3E-05	0.00126	1.8E-07	0.00166	4.58E-04	2.83E-05	0.001538	9.95E-08	2.02E-03	0.000404	2.18E-05	0.003313	1.03E-07	0.003739
1817	495261.06	3859101.99	0.20487	0.27051	0.23739	0.16755	3.73E-04	2.3E-05	0.00126	1.8E-07	0.00166	4.58E-04	2.82E-05	0.001542	1E-07	2.03E-03	0.000403	2.17E-05	0.003321	1.03E-07	0.003746
1818	495311.06	3859101.99	0.20374	0.26865	0.23655	0.16625	3.71E-04	2.3E-05	0.00126	1.8E-07	0.00165	4.55E-04	2.8E-05	0.001536	9.92E-08	2.02E-03	0.000401	2.16E-05	0.003309	1.03E-07	0.003732
1819	495361.06	3859101.99	0.20441	0.27034	0.23648	0.1683	3.73E-04	2.3E-05	0.00126	1.8E-07	0.00165	4.57E-04	2.82E-05	0.001536	1E-07	2.02E-03	0.000403	2.17E-05	0.003308	1.04E-07	0.003732
1820	495411.06	3859101.99	0.20247	0.27001	0.23487	0.16857	3.69E-04	2.3E-05	0.00125	1.8E-07	0.00164	4.52E-04	2.82E-05	0.001526	1.01E-07	2.01E-03	0.000399	2.17E-05	0.003286	1.04E-07	0.003706
1821	495461.06	3859101.99	0.20023	0.26694	0.23199	0.16643	3.65E-04	2.3E-05	0.00123	1.8E-07	0.00162	4.47E-04	2.78E-05	0.001507	9.93E-08	1.98E-03	0.000394	2.14E-05	0.003245	1.03E-07	0.003661
1822	495511.06	3859101.99	0.19879	0.26331	0.23003	0.16547	3.62E-04	2.2E-05	0.00122	1.8E-07	0.00161	4.44E-04	2.75E-05	0.001494	9.88E-08	1.97E-03	0.000392	2.11E-05	0.003218	1.02E-07	0.003631
1823	495561.06	3859101.99	0.19706	0.26146	0.22536	0.16344	3.59E-04	2.2E-05	0.0012	1.7E-07	0.00158	4.40E-04	2.73E-05	0.001464	9.75E-08	1.93E-03	0.000388	2.1E-05	0.003153	1.01E-07	0.003562
1824	495611.06	3859101.99	0.19494	0.26188	0.22104	0.15967	3.55E-04	2.2E-05	0.00117	1.7E-07	0.00155	4.35E-04	2.73E-05	0.001436	9.53E-08	1.90E-03	0.000384	2.1E-05	0.003092	9.84E-08	0.003497
1825	495661.06	3859101.99	0.19478	0.26321	0.22093	0.16076	3.55E-04	2.2E-05	0.00117	1.7E-07	0.00155	4.35E-04	2.74E-05	0.001435	9.59E-08	1.90E-03	0.000384	2.11E-05	0.003091	9.91E-08	0.003495
1826	494311.06	3859151.99	0.29973	0.4062	0.34527	0.24922	5.46E-04	3.5E-05	0.00183	2.7E-07	0.00242	6.70E-04	4.24E-05	0.002243	1.49E-07	2.95E-03	0.00059	3.26E-05	0.00483	1.54E-07	0.005453

1827	494361.06	3859151.99	0.29926	0.40798	0.34576	0.24706	5.45E-04	3.5E-05	0.00184	2.6E-07	0.00242	6.68E-04	4.25E-05	0.002246	1.47E-07	2.96E-03	0.000589	3.27E-05	0.004837	1.52E-07	0.005459
1828	494411.06	3859151.99	0.2967	0.40338	0.34131	0.24127	5.41E-04	3.4E-05	0.00181	2.6E-07	0.00239	6.63E-04	4.21E-05	0.002217	1.44E-07	2.92E-03	0.000584	3.24E-05	0.004775	1.49E-07	0.005391
1829	494461.06	3859151.99	0.29352	0.39936	0.33752	0.2368	5.35E-04	3.4E-05	0.00179	2.5E-07	0.00236	6.56E-04	4.16E-05	0.002192	1.41E-07	2.89E-03	0.000578	3.2E-05	0.004722	1.46E-07	0.005332
1830	494511.06	3859151.99	0.28662	0.39602	0.33199	0.23041	5.22E-04	3.4E-05	0.00176	2.5E-07	0.00232	6.40E-04	4.13E-05	0.002156	1.38E-07	2.84E-03	0.000564	3.18E-05	0.004644	1.42E-07	0.005241
1831	494561.06	3859151.99	0.2826	0.39352	0.32874	0.22602	5.15E-04	3.3E-05	0.00175	2.4E-07	0.0023	6.31E-04	4.1E-05	0.002135	1.35E-07	2.81E-03	0.000557	3.16E-05	0.004599	1.39E-07	0.005187
1832	494611.06	3859151.99	0.27606	0.39005	0.32441	0.21764	5.03E-04	3.3E-05	0.00172	2.3E-07	0.00226	6.17E-04	4.07E-05	0.002107	1.3E-07	2.76E-03	0.000544	3.13E-05	0.004538	1.34E-07	0.005113
1833	494661.06	3859151.99	0.27209	0.38164	0.32012	0.213	4.96E-04	3.2E-05	0.0017	2.3E-07	0.00223	6.08E-04	3.98E-05	0.002079	1.27E-07	2.73E-03	0.000536	3.06E-05	0.004478	1.31E-07	0.005045
1834	494711.06	3859151.99	0.26852	0.37645	0.31536	0.20916	4.89E-04	3.2E-05	0.00168	2.2E-07	0.0022	6.00E-04	3.93E-05	0.002048	1.25E-07	2.69E-03	0.000529	3.02E-05	0.004412	1.29E-07	0.004971
1835	494761.06	3859151.99	0.25962	0.36229	0.30416	0.20261	4.73E-04	3.1E-05	0.00162	2.2E-07	0.00212	5.80E-04	3.78E-05	0.001976	1.21E-07	2.59E-03	0.000511	2.91E-05	0.004255	1.25E-07	0.004795
1836	494811.06	3859151.99	0.25195	0.35413	0.2971	0.19756	4.59E-04	3E-05	0.00158	2.1E-07	0.00207	5.63E-04	3.69E-05	0.00193	1.18E-07	2.53E-03	0.000496	2.84E-05	0.004156	1.22E-07	0.004681
1837	494861.06	3859151.99	0.24661	0.35064	0.29325	0.19464	4.50E-04	3E-05	0.00156	2.1E-07	0.00204	5.51E-04	3.66E-05	0.001905	1.16E-07	2.49E-03	0.000486	2.81E-05	0.004102	1.2E-07	0.004616
1838	494911.06	3859151.99	0.23849	0.33793	0.28243	0.18713	4.35E-04	2.9E-05	0.0015	2E-07	0.00196	5.33E-04	3.52E-05	0.001834	1.12E-07	2.40E-03	0.00047	2.71E-05	0.003951	1.15E-07	0.004448
1839	494961.06	3859151.99	0.22703	0.31951	0.26648	0.17625	4.14E-04	2.7E-05	0.00142	1.9E-07	0.00186	5.07E-04	3.33E-05	0.001731	1.05E-07	2.27E-03	0.000447	2.56E-05	0.003728	1.09E-07	0.004201
1840	495011.06	3859151.99	0.2157	0.29778	0.25476	0.16889	3.93E-04	2.5E-05	0.00135	1.8E-07	0.00177	4.82E-04	3.11E-05	0.001655	1.01E-07	2.17E-03	0.000425	2.39E-05	0.003564	1.04E-07	0.004013
1841	495061.06	3859151.99	0.2155	0.29579	0.25302	0.16889	3.93E-04	2.5E-05	0.00134	1.8E-07	0.00176	4.81E-04	3.08E-05	0.001643	1.01E-07	2.16E-03	0.000424	2.37E-05	0.003539	1.04E-07	0.003988
1842	495111.06	3859151.99	0.21455	0.29106	0.25073	0.16869	3.91E-04	2.5E-05	0.00133	1.8E-07	0.00175	4.79E-04	3.04E-05	0.001629	1.01E-07	2.14E-03	0.000423	2.33E-05	0.003507	1.04E-07	0.003953
1843	495161.06	3859151.99	0.21688	0.29475	0.2551	0.17228	3.95E-04	2.5E-05	0.00136	1.8E-07	0.00178	4.84E-04	3.07E-05	0.001657	1.03E-07	2.17E-03	0.000427	2.36E-05	0.003569	1.06E-07	0.004019
1844	495211.06	3859151.99	0.21474	0.29391	0.25308	0.17203	3.91E-04	2.5E-05	0.00134	1.8E-07	0.00176	4.80E-04	3.06E-05	0.001644	1.03E-07	2.15E-03	0.000423	2.36E-05	0.00354	1.06E-07	0.003987
1845	495261.06	3859151.99	0.21341	0.29027	0.25069	0.17125	3.89E-04	2.5E-05	0.00133	1.8E-07	0.00175	4.77E-04	3.03E-05	0.001628	1.02E-07	2.14E-03	0.00042	2.33E-05	0.003507	1.06E-07	0.003951
1846	495311.06	3859151.99	0.21248	0.28845	0.24914	0.17117	3.87E-04	2.5E-05	0.00132	1.8E-07	0.00174	4.75E-04	3.01E-05	0.001618	1.02E-07	2.12E-03	0.000418	2.31E-05	0.003485	1.06E-07	0.003927
1847	495361.06	3859151.99	0.21165	0.28431	0.24753	0.17086	3.86E-04	2.4E-05	0.00132	1.8E-07	0.00173	4.73E-04	2.96E-05	0.001608	1.02E-07	2.11E-03	0.000417	2.28E-05	0.003463	1.05E-07	0.003902
1848	495411.06	3859151.99	0.21441	0.28658	0.24951	0.17276	3.91E-04	2.4E-05	0.00133	1.8E-07	0.00174	4.79E-04	2.99E-05	0.001621	1.03E-07	2.13E-03	0.000422	2.3E-05	0.00349	1.07E-07	0.003936
1849	495461.06	3859151.99	0.21345	0.28134	0.24764	0.17257	3.89E-04	2.4E-05	0.00132	1.8E-07	0.00173	4.77E-04	2.93E-05	0.001608	1.03E-07	2.11E-03	0.00042	2.26E-05	0.003464	1.06E-07	0.003907
1850	495511.06	3859151.99	0.20815	0.27568	0.24247	0.17056	3.79E-04	2.3E-05	0.00129	1.8E-07	0.00169	4.65E-04	2.87E-05	0.001575	1.02E-07	2.07E-03	0.00041	2.21E-05	0.003392	1.05E-07	0.003824
1851	495561.06	3859151.99	0.20479	0.27392	0.23834	0.1692	3.73E-04	2.3E-05	0.00127	1.8E-07	0.00166	4.57E-04	2.86E-05	0.001548	1.01E-07	2.03E-03	0.000403	2.2E-05	0.003334	1.04E-07	0.00376
1852	495611.06	3859151.99	0.20271	0.27232	0.23454	0.1682	3.70E-04	2.3E-05	0.00125	1.8E-07	0.00164	4.53E-04	2.84E-05	0.001523	1E-07	2.00E-03	0.000399	2.18E-05	0.003281	1.04E-07	0.003702
1853	495661.06	3859151.99	0.20114	0.26889	0.23149	0.16691	3.67E-04	2.3E-05	0.00123	1.8E-07	0.00162	4.49E-04	2.8E-05	0.001504	9.96E-08	1.98E-03	0.000396	2.16E-05	0.003238	1.03E-07	0.003656
1854	494311.06	3859201.99	0.3028	0.41149	0.35608	0.26236	5.52E-04	3.5E-05	0.00189	2.8E-07	0.00248	6.76E-04	4.29E-05	0.002313	1.57E-07	3.03E-03	0.000596	3.3E-05	0.004981	1.62E-07	0.005611
1855	494361.06	3859201.99	0.30068	0.40815	0.34876	0.26011	5.48E-04	3.5E-05	0.00185	2.8E-07	0.00244	6.72E-04	4.26E-05	0.002265	1.55E-07	2.98E-03	0.000592	3.27E-05	0.004879	1.6E-07	0.005504
1856	494411.06	3859201.99	0.29905	0.40234	0.34486	0.25541	5.45E-04	3.4E-05	0.00183	2.7E-07	0.00241	6.68E-04	4.2E-05	0.00224	1.52E-07	2.95E-03	0.000589	3.23E-05	0.004824	1.57E-07	0.005446
1857	494461.06	3859201.99	0.29581	0.39454	0.34021	0.24749	5.39E-04	3.4E-05	0.00181	2.6E-07	0.00238	6.61E-04	4.11E-05	0.00221	1.48E-07	2.91E-03	0.000583	3.16E-05	0.004759	1.53E-07	0.005374
1858	494511.06	3859201.99	0.29351	0.394	0.33855	0.24134	5.35E-04	3.4E-05	0.0018	2.6E-07	0.00237	6.56E-04	4.11E-05	0.002199	1.44E-07	2.90E-03	0.000578	3.16E-05	0.004736	1.49E-07	0.005346
1859	494561.06	3859201.99	0.28882	0.38673	0.33242	0.2313	5.26E-04	3.3E-05	0.00177	2.5E-07	0.00233	6.45E-04	4.03E-05	0.002159	1.38E-07	2.84E-03	0.000569	3.1E-05	0.00465	1.43E-07	0.00525
1860	494611.06	3859201.99	0.2845	0.38484	0.32821	0.22718	5.19E-04	3.3E-05	0.00174	2.4E-07	0.0023	6.35E-04	4.01E-05	0.002132	1.36E-07	2.81E-03	0.00056	3.09E-05	0.004591	1.4E-07	0.005183
1861	494661.06	3859201.99	0.27971	0.38537	0.32459	0.22423	5.10E-04	3.3E-05	0.00172	2.4E-07	0.00227	6.25E-04	4.02E-05	0.002108	1.34E-07	2.77E-03	0.000551	3.09E-05	0.004541	1.38E-07	0.005123
1862	494711.06	3859201.99	0.27548	0.37948	0.32034	0.21995	5.02E-04	3.2E-05	0.0017	2.3E-07	0.00224	6.15E-04	3.96E-05	0.002081	1.31E-07	2.74E-03	0.000543	3.04E-05	0.004481	1.36E-07	0.005054
1863	494761.06	3859201.99	0.2682	0.37111	0.31343	0.21162	4.89E-04	3.2E-05	0.00167	2.3E-07	0.00219	5.99E-04	3.87E-05	0.002036	1.26E-07	2.67E-03	0.000528	2.98E-05	0.004385	1.3E-07	0.004943
1864	494811.06	3859201.99	0.26213	0.36166	0.30803	0.20461	4.78E-04	3.1E-05	0.00164	2.2E-07	0.00215	5.86E-04	3.77E-05	0.002001	1.22E-07	2.62E-03	0.000516	2.9E-05	0.004309	1.26E-07	0.004854
1865	494861.06	3859201.99	0.25485	0.34829	0.29956	0.19654	4.65E-04	3E-05	0.00159	2.1E-07	0.00209	5.69E-04	3.63E-05	0.001946	1.17E-07	2.55E-03	0.000502	2.79E-05	0.004191	1.21E-07	0.004721
1866	494911.06	3859201.99	0.24525	0.33505	0.28768	0.18979	4.47E-04	2.9E-05	0.00153	2E-07	0.002	5.48E-04	3.49E-05	0.001869	1.13E-07	2.45E-03	0.000483	2.69E-05	0.004024	1.17E-07	0.004534
1867	494961.06	3859201.99	0.23503	0.32102	0.27495	0.181	4.28E-04	2.7E-05	0.00146	1.9E-07	0.00192	5.25E-04	3.35E-05	0.001786	1.08E-07	2.34E-03	0.000463	2.58E-05	0.003846	1.12E-07	0.004335
1868	495011.06	3859201.99	0.22058	0.30151	0.26016	0.16869	4.02E-04	2.6E-05	0.00138	1.8E-07	0.00181	4.93E-04	3.14E-05	0.00169	1.01E-07	2.21E-03	0.000434	2.42E-05	0.003639	1.04E-07	0.004098
1869	495061.06	3859201.99	0.22538	0.31227	0.2652	0.1749	4.11E-04	2.7E-05	0.00141	1.9E-07	0.00185	5.03E-04	3.26E-05	0.001723	1.04E-07	2.26E-03	0.000444	2.5E-05	0.00371	1.08E-07	0.004179
1870	495111.06	3859201.99	0.22573	0.31294	0.26342	0.17655	4.11E-04	2.7E-05	0.0014	1.9E-07	0.00184	5.04E-04	3.26E-05	0.001711	1.05E-07	2.25E-03	0.000445	2.51E-05	0.003685	1.09E-07	0.004155
1871	495161.06	3859201.99	0.22599	0.31203	0.26184	0.17742	4.12E-04	2.7E-05	0.00139	1.9E-07	0.00183	5.05E-04	3.25E-05	0.001701	1.06E-07	2.24E-03	0.000445	2.5E-05	0.003663	1.09E-07	0.004133
1872	495211.06	3859201.99	0.22337	0.30565	0.25944	0.17612	4.07E-04	2.6E-05	0.00138	1.9E-07	0.00181	4.99E-04	3.19E-05	0.001685	1.05E-07	2.22E-03	0.00044	2.45E-05	0.003629	1.09E-07	0.004094
1873	495261.06	3859201.99	0.22369	0.30641	0.25999	0.1778	4.08E-04	2.6E-05	0.00138	1.9E-07	0.00182	5.00E-04	3.2E-05	0.001689	1.06E-07	2.22E-03	0.000441	2.46E-05	0.003637	1.1E-07	0.004102
1874	495311.06	3859201.99	0.22255	0.30488	0.25937	0.17812	4.06E-04	2.6E-05	0.00138	1.9E-07	0.00181	4.97E-04	3.18E-05	0.001685	1.06E-07	2.21E-03	0.000438	2.45E-05	0.003628	1.1E-07	0.004091
1875	495361.06	3859201.99	0.22207	0.30563	0.25905	0.17842	4.05E-04	2.6E-05	0.00138	1.9E-07	0.00181	4.96E-04	3.19E-05	0.001683	1.06E-07	2.21E-03	0.000437	2.45E-05	0.003624	1.1E-07	0.004086
1876	495411.06	3859201.99	0.22382	0.30469	0.25996	0.18056	4.08E-04	2.6E-05	0.00138	1.9E-07	0.00182	5.00E-04	3.18E-05	0.001689	1.08E-07	2.22E-03	0.000441	2.44E-05	0.003637	1.11E-07	0.004102
1877	495461.06	3859201.99	0.22227	0.30161	0.25871	0.1796	4.05E-04	2.6E-05	0.00137	1.9E-07	0.00181	4.96E-04	3.15E-05	0.00168	1.07E-07	2.21E-03	0.000438	2.42E-05	0.003619	1.11E-07	0.004081
1878	495511.06	3859201.99	0.22072	0.29798	0.25621	0.1785	4.02E-04	2.5E-05	0.00136	1.9E-07	0.00179	4.93E-04	3.11E-05	0.001664	1.07E-07	2.19E-03	0.000435	2.39E-05	0.003584	1.1E-07	0.004043
1879	495561.06	3859201.99	0.2161	0.28894	0.25117	0.17511	3.94E-04	2.5E-05	0.00133	1.9E-07	0.00175	4.83E-04	3.01E-05	0.001631	1.05E-07	2.14E-03	0.000426	2.32E-05	0.003514	1.08E-07	0.003963
1880	495611.06	3859201.99	0.21275	0.28164	0.2466	0.17254	3.88E-04	2.4E-05	0.00131	1.8E-07	0.00172	4.75E-04	2.94E-05	0.001602	1.03E-07	2.11E-03	0.000419	2.26E-05	0.00345	1.06E-07	0.003891
1881	495661.06	3859201.99	0.21026	0.27643	0.24342	0.17156	3.83E-04	2.4E-05	0.00129	1.8E-07	0.0017	4.70E-04	2.88E-05	0.001581	1.02E-07	2.08E-03	0.000414	2.22E-05	0.003405	1.06E-07	0.003842
1882	494311.06	3859251.99	0.30604	0.42068	0.36466	0.27095	5.58E-04	3.6E-05	0.00194	2.9E-07	0.00253	6.84E-04	4.39E-05	0.002369	1.62E-07	3.10E-03	0.000603	3.37E-05	0.005101	1.67E-07	0.005738
1883	494361.06	3859251.99	0.30318	0.41212	0.3627	0.26603	5.53E-04	3.5E-05	0.00193	2.8E-07	0.00252	6.77E-04	4.3E-05	0.002356	1.59E-07	3.08E-03	0.000597	3.31E-05	0.005074	1.64E-07	0.005704
1884	494411.06	3859251.99	0.29901	0.40392	0.35299	0.26009	5.45E-04	3.4E-05	0.00188	2.8E-07	0.00246	6.68E-04	4.21E-05	0.002293	1.55E-07	3.00E-03	0.000589	3.24E-05	0.004938	1.6E-07	0.005559
1885	494461.06	3859251.99	0.29585	0.40317	0.34445	0.25788	5.39E-04	3.4E-05	0.00183	2.8E-07	0.0024	6.61E-04	4.2E-05	0.002237	1.54E-07	2.94E-03	0.000583	3.23E-05	0.004819	1.59E-07	0.005434
1886	494511.06	3859251.99	0.29202	0.39703	0.33736	0.24999	5.32E-04	3.4E-05	0.00179	2.7E-07	0.00236	6.52E-04	4.14E-05	0.002191	1.49E-07	2.89E-03	0.000575	3.18E-05	0.004719	1.54E-07	0.005326
1887	494561.06	3859251.99	0.2901	0.38952	0.33495	0.24496	5.29E-04	3.3E-05	0.00178	2.6E-07	0.00234	6.48E-04	4.06E-05	0.002176	1.46E-07	2.86E-03	0.000571	3.12E-05	0.004686	1.51E-07	0.005288

1888	494611.06	3859251.99	0.28692	0.38103	0.33101	0.23638	5.23E-04	3.2E-05	0.00176	2.5E-07	0.00231	6.41E-04	3.97E-05	0.00215	1.41E-07	2.83E-03	0.000565	3.06E-05	0.00463	1.46E-07	0.005226
1889	494661.06	3859251.99	0.28581	0.3786	0.32873	0.23128	5.21E-04	3.2E-05	0.00175	2.5E-07	0.0023	6.38E-04	3.95E-05	0.002135	1.38E-07	2.81E-03	0.000563	3.04E-05	0.004599	1.43E-07	0.005192
1890	494711.06	3859251.99	0.28291	0.37504	0.32536	0.22626	5.16E-04	3.2E-05	0.00173	2.4E-07	0.00228	6.32E-04	3.91E-05	0.002113	1.35E-07	2.78E-03	0.000557	3.01E-05	0.004551	1.4E-07	0.005139
1891	494761.06	3859251.99	0.27278	0.3598	0.31493	0.21425	4.97E-04	3.1E-05	0.00167	2.3E-07	0.0022	6.09E-04	3.75E-05	0.002046	1.28E-07	2.69E-03	0.000537	2.89E-05	0.004406	1.32E-07	0.004972
1892	494811.06	3859251.99	0.26969	0.36461	0.31233	0.21425	4.92E-04	3.1E-05	0.00166	2.3E-07	0.00218	6.02E-04	3.8E-05	0.002029	1.28E-07	2.67E-03	0.000531	2.92E-05	0.004369	1.32E-07	0.00493
1893	494861.06	3859251.99	0.25921	0.35144	0.30172	0.20191	4.72E-04	3E-05	0.0016	2.2E-07	0.00211	5.79E-04	3.66E-05	0.00196	1.21E-07	2.58E-03	0.000511	2.82E-05	0.004221	1.24E-07	0.00476
1894	494911.06	3859251.99	0.24933	0.33703	0.29225	0.19278	4.54E-04	2.9E-05	0.00155	2.1E-07	0.00204	5.57E-04	3.51E-05	0.001898	1.15E-07	2.49E-03	0.000491	2.7E-05	0.004088	1.19E-07	0.004606
1895	494961.06	3859251.99	0.24467	0.32908	0.28765	0.18878	4.46E-04	2.8E-05	0.00153	2E-07	0.002	5.47E-04	3.43E-05	0.001868	1.13E-07	2.45E-03	0.000482	2.64E-05	0.004024	1.16E-07	0.004532
1896	495011.06	3859251.99	0.23915	0.32039	0.2814	0.18477	4.36E-04	2.7E-05	0.0015	2E-07	0.00196	5.34E-04	3.34E-05	0.001828	1.1E-07	2.40E-03	0.000471	2.57E-05	0.003937	1.14E-07	0.004433
1897	495061.06	3859251.99	0.23952	0.32376	0.28199	0.18512	4.37E-04	2.8E-05	0.0015	2E-07	0.00196	5.35E-04	3.38E-05	0.001832	1.1E-07	2.40E-03	0.000472	2.6E-05	0.003945	1.14E-07	0.004443
1898	495111.06	3859251.99	0.23541	0.32248	0.27904	0.18338	4.29E-04	2.7E-05	0.00148	2E-07	0.00194	5.26E-04	3.36E-05	0.001812	1.09E-07	2.37E-03	0.000464	2.59E-05	0.003903	1.13E-07	0.004393
1899	495161.06	3859251.99	0.2341	0.3213	0.27636	0.18385	4.27E-04	2.7E-05	0.00147	2E-07	0.00192	5.23E-04	3.35E-05	0.001795	1.1E-07	2.35E-03	0.000461	2.58E-05	0.003866	1.13E-07	0.004353
1900	495211.06	3859251.99	0.23264	0.3202	0.27129	0.18267	4.24E-04	2.7E-05	0.00144	1.9E-07	0.00189	5.20E-04	3.34E-05	0.001762	1.09E-07	2.32E-03	0.000458	2.57E-05	0.003795	1.13E-07	0.004279
1901	495261.06	3859251.99	0.23244	0.32465	0.27034	0.18263	4.24E-04	2.8E-05	0.00144	1.9E-07	0.00189	5.19E-04	3.39E-05	0.001756	1.09E-07	2.31E-03	0.000458	2.6E-05	0.003782	1.13E-07	0.004266
1902	495311.06	3859251.99	0.23204	0.32796	0.2697	0.18485	4.23E-04	2.8E-05	0.00143	2E-07	0.00188	5.18E-04	3.42E-05	0.001752	1.1E-07	2.30E-03	0.000457	2.63E-05	0.003773	1.14E-07	0.004256
1903	495361.06	3859251.99	0.23059	0.32128	0.26726	0.18487	4.20E-04	2.7E-05	0.00142	2E-07	0.00187	5.15E-04	3.35E-05	0.001736	1.1E-07	2.28E-03	0.000454	2.58E-05	0.003739	1.14E-07	0.004219
1904	495411.06	3859251.99	0.23091	0.3234	0.26723	0.18722	4.21E-04	2.8E-05	0.00142	2E-07	0.00187	5.16E-04	3.37E-05	0.001736	1.12E-07	2.29E-03	0.000455	2.59E-05	0.003738	1.15E-07	0.004219
1905	495461.06	3859251.99	0.22952	0.31933	0.26469	0.18676	4.18E-04	2.7E-05	0.00141	2E-07	0.00185	5.13E-04	3.33E-05	0.001719	1.11E-07	2.27E-03	0.000452	2.56E-05	0.003703	1.15E-07	0.004181
1906	495511.06	3859251.99	0.22582	0.31259	0.26003	0.18383	4.12E-04	2.7E-05	0.00138	2E-07	0.00182	5.04E-04	3.26E-05	0.001689	1.1E-07	2.23E-03	0.000445	2.51E-05	0.003638	1.13E-07	0.004107
1907	495561.06	3859251.99	0.22382	0.30813	0.25867	0.18286	4.08E-04	2.6E-05	0.00137	2E-07	0.00181	5.00E-04	3.21E-05	0.00168	1.09E-07	2.21E-03	0.000441	2.47E-05	0.003619	1.13E-07	0.004084
1908	495611.06	3859251.99	0.22057	0.30268	0.25576	0.17986	4.02E-04	2.6E-05	0.00136	1.9E-07	0.00179	4.93E-04	3.16E-05	0.001661	1.07E-07	2.19E-03	0.000434	2.43E-05	0.003578	1.11E-07	0.004037
1909	495661.06	3859251.99	0.21867	0.29568	0.25323	0.17832	3.99E-04	2.5E-05	0.00135	1.9E-07	0.00177	4.88E-04	3.08E-05	0.001645	1.06E-07	2.16E-03	0.000431	2.37E-05	0.003542	1.1E-07	0.003997
1910	494311.06	3859301.99	0.30899	0.42207	0.36722	0.27976	5.63E-04	3.6E-05	0.00195	3E-07	0.00255	6.90E-04	4.4E-05	0.002385	1.67E-07	3.12E-03	0.000609	3.39E-05	0.005137	1.72E-07	0.00578
1911	494361.06	3859301.99	0.30636	0.41925	0.36277	0.27505	5.58E-04	3.6E-05	0.00193	2.9E-07	0.00252	6.84E-04	4.37E-05	0.002356	1.64E-07	3.08E-03	0.000603	3.36E-05	0.005075	1.7E-07	0.005712
1912	494411.06	3859301.99	0.30044	0.41816	0.35786	0.26811	5.48E-04	3.6E-05	0.0019	2.9E-07	0.00248	6.71E-04	4.36E-05	0.002324	1.6E-07	3.04E-03	0.000592	3.35E-05	0.005006	1.65E-07	0.005632
1913	494461.06	3859301.99	0.29653	0.40661	0.35409	0.25981	5.41E-04	3.5E-05	0.00188	2.8E-07	0.00246	6.62E-04	4.24E-05	0.0023	1.55E-07	3.00E-03	0.000584	3.26E-05	0.004953	1.6E-07	0.00557
1914	494511.06	3859301.99	0.2936	0.40157	0.34908	0.25451	5.35E-04	3.4E-05	0.00185	2.7E-07	0.00242	6.56E-04	4.19E-05	0.002267	1.52E-07	2.97E-03	0.000578	3.22E-05	0.004883	1.57E-07	0.005494
1915	494561.06	3859301.99	0.29065	0.39528	0.34142	0.25091	5.30E-04	3.4E-05	0.00181	2.7E-07	0.00238	6.49E-04	4.12E-05	0.002218	1.5E-07	2.91E-03	0.000572	3.17E-05	0.004776	1.55E-07	0.00538
1916	494611.06	3859301.99	0.28757	0.39096	0.33522	0.24707	5.24E-04	3.3E-05	0.00178	2.6E-07	0.00234	6.42E-04	4.08E-05	0.002177	1.47E-07	2.86E-03	0.000566	3.14E-05	0.004689	1.52E-07	0.005287
1917	494661.06	3859301.99	0.28543	0.38656	0.33019	0.24211	5.20E-04	3.3E-05	0.00175	2.6E-07	0.00231	6.38E-04	4.03E-05	0.002145	1.45E-07	2.82E-03	0.000562	3.1E-05	0.004619	1.49E-07	0.005212
1918	494711.06	3859301.99	0.2825	0.37851	0.32663	0.23544	5.15E-04	3.2E-05	0.00174	2.5E-07	0.00228	6.31E-04	3.95E-05	0.002122	1.41E-07	2.79E-03	0.000556	3.04E-05	0.004569	1.45E-07	0.005156
1919	494761.06	3859301.99	0.27988	0.37022	0.32316	0.22869	5.10E-04	3.2E-05	0.00172	2.4E-07	0.00226	6.25E-04	3.86E-05	0.002099	1.36E-07	2.76E-03	0.000551	2.97E-05	0.004521	1.41E-07	0.005102
1920	494811.06	3859301.99	0.27492	0.36154	0.31527	0.21839	5.01E-04	3.1E-05	0.00168	2.3E-07	0.00221	6.14E-04	3.77E-05	0.002048	1.3E-07	2.70E-03	0.000541	2.9E-05	0.00441	1.35E-07	0.004981
1921	494861.06	3859301.99	0.26661	0.346	0.30461	0.20797	4.86E-04	2.9E-05	0.00162	2.2E-07	0.00213	5.96E-04	3.61E-05	0.001979	1.24E-07	2.61E-03	0.000525	2.78E-05	0.004261	1.28E-07	0.004814
1922	494911.06	3859301.99	0.26119	0.33913	0.29969	0.2017	4.76E-04	2.9E-05	0.00159	2.2E-07	0.0021	5.83E-04	3.54E-05	0.001947	1.2E-07	2.57E-03	0.000514	2.72E-05	0.004192	1.24E-07	0.004734
1923	494961.06	3859301.99	0.24943	0.32686	0.28821	0.19168	4.55E-04	2.8E-05	0.00153	2E-07	0.00201	5.57E-04	3.41E-05	0.001872	1.14E-07	2.46E-03	0.000491	2.62E-05	0.004032	1.18E-07	0.004549
1924	495011.06	3859301.99	0.24494	0.3241	0.28564	0.18879	4.46E-04	2.8E-05	0.00152	2E-07	0.00199	5.47E-04	3.38E-05	0.001855	1.13E-07	2.44E-03	0.000482	2.6E-05	0.003996	1.16E-07	0.004504
1925	495061.06	3859301.99	0.24961	0.33539	0.29155	0.19392	4.55E-04	2.9E-05	0.00155	2.1E-07	0.00203	5.58E-04	3.5E-05	0.001894	1.16E-07	2.49E-03	0.000492	2.69E-05	0.004078	1.2E-07	0.004597
1926	495111.06	3859301.99	0.24404	0.32568	0.2858	0.1888	4.45E-04	2.8E-05	0.00152	2E-07	0.00199	5.45E-04	3.4E-05	0.001856	1.13E-07	2.44E-03	0.000481	2.61E-05	0.003998	1.16E-07	0.004505
1927	495161.06	3859301.99	0.24351	0.32366	0.28663	0.18817	4.44E-04	2.8E-05	0.00152	2E-07	0.00199	5.44E-04	3.38E-05	0.001862	1.12E-07	2.44E-03	0.00048	2.6E-05	0.00401	1.16E-07	0.004515
1928	495211.06	3859301.99	0.24128	0.32781	0.28865	0.19089	4.40E-04	2.8E-05	0.00153	2E-07	0.002	5.39E-04	3.42E-05	0.001875	1.14E-07	2.45E-03	0.000475	2.63E-05	0.004038	1.18E-07	0.00454
1929	495261.06	3859301.99	0.24092	0.33062	0.28568	0.1918	4.39E-04	2.8E-05	0.00152	2E-07	0.00199	5.38E-04	3.45E-05	0.001856	1.14E-07	2.43E-03	0.000474	2.65E-05	0.003996	1.18E-07	0.004498
1930	495311.06	3859301.99	0.23736	0.32844	0.27791	0.18882	4.33E-04	2.8E-05	0.00148	2E-07	0.00194	5.30E-04	3.42E-05	0.001805	1.13E-07	2.37E-03	0.000467	2.63E-05	0.003888	1.16E-07	0.004382
1931	495361.06	3859301.99	0.23677	0.33056	0.27765	0.19008	4.32E-04	2.8E-05	0.00148	2E-07	0.00194	5.29E-04	3.45E-05	0.001803	1.13E-07	2.37E-03	0.000466	2.65E-05	0.003884	1.17E-07	0.004377
1932	495411.06	3859301.99	0.23576	0.32961	0.27575	0.19069	4.30E-04	2.8E-05	0.00147	2E-07	0.00192	5.27E-04	3.44E-05	0.001791	1.14E-07	2.35E-03	0.000464	2.64E-05	0.003857	1.18E-07	0.004348
1933	495461.06	3859301.99	0.235	0.33268	0.27508	0.19173	4.28E-04	2.8E-05	0.00146	2E-07	0.00192	5.25E-04	3.47E-05	0.001787	1.14E-07	2.35E-03	0.000463	2.67E-05	0.003848	1.18E-07	0.004338
1934	495511.06	3859301.99	0.23246	0.32601	0.27074	0.18944	4.24E-04	2.8E-05	0.00144	2E-07	0.00189	5.19E-04	3.4E-05	0.001759	1.13E-07	2.31E-03	0.000458	2.62E-05	0.003787	1.17E-07	0.004271
1935	495561.06	3859301.99	0.22817	0.31924	0.26413	0.18592	4.16E-04	2.7E-05	0.0014	2E-07	0.00185	5.10E-04	3.33E-05	0.001716	1.11E-07	2.26E-03	0.000449	2.56E-05	0.003695	1.15E-07	0.00417
1936	495611.06	3859301.99	0.22638	0.31542	0.26046	0.18529	4.13E-04	2.7E-05	0.00138	2E-07	0.00182	5.06E-04	3.29E-05	0.001692	1.11E-07	2.23E-03	0.000446	2.53E-05	0.003644	1.14E-07	0.004115
1937	495661.06	3859301.99	0.22452	0.31151	0.25766	0.18395	4.09E-04	2.7E-05	0.00137	2E-07	0.0018	5.02E-04	3.25E-05	0.001674	1.1E-07	2.21E-03	0.000442	2.5E-05	0.003604	1.13E-07	0.004072
1938	494311.06	3859351.99	0.30758	0.39578	0.367	0.29227	5.61E-04	3.4E-05	0.00195	3.1E-07	0.00254	6.87E-04	4.13E-05	0.002384	1.74E-07	3.11E-03	0.000606	3.17E-05	0.005134	1.8E-07	0.005772
1939	494361.06	3859351.99	0.30566	0.4027	0.36119	0.28585	5.57E-04	3.4E-05	0.00192	3E-07	0.00251	6.83E-04	4.2E-05	0.002346	1.71E-07	3.07E-03	0.000602	3.23E-05	0.005053	1.76E-07	0.005687
1940	494411.06	3859351.99	0.30256	0.40268	0.35918	0.27442	5.52E-04	3.4E-05	0.00191	2.9E-07	0.00249	6.76E-04	4.2E-05	0.002333	1.64E-07	3.05E-03	0.000596	3.23E-05	0.005025	1.69E-07	0.005653
1941	494461.06	3859351.99	0.2994	0.40302	0.35618	0.26701	5.46E-04	3.4E-05	0.00189	2.8E-07	0.00247	6.69E-04	4.2E-05	0.002313	1.59E-07	3.02E-03	0.00059	3.23E-05	0.004983	1.65E-07	0.005605
1942	494511.06	3859351.99	0.29507	0.40052	0.3522	0.26237	5.38E-04	3.4E-05	0.00187	2.8E-07	0.00244	6.59E-04	4.18E-05	0.002288	1.57E-07	2.99E-03	0.000581	3.21E-05	0.004927	1.62E-07	0.00554
1943	494561.06	3859351.99	0.29121	0.39935	0.3481	0.2579	5.31E-04	3.4E-05	0.00185	2.8E-07	0.00241	6.50E-04	4.16E-05	0.002261	1.54E-07	2.95E-03	0.000574	3.2E-05	0.00487	1.59E-07	0.005475
1944	494611.06	3859351.99	0.28872	0.39553	0.34374	0.25305	5.26E-04	3.4E-05	0.00183	2.7E-07	0.00239	6.45E-04	4.12E-05	0.002233	1.51E-07	2.92E-03	0.000569	3.17E-05	0.004809	1.56E-07	0.005409
1945	494661.06	3859351.99	0.286	0.39019	0.33976	0.24816	5.21E-04	3.3E-05	0.00181	2.6E-07	0.00236	6.39E-04	4.07E-05	0.002207	1.48E-07	2.89E-03	0.000563	3.13E-05	0.004753	1.53E-07	0.005348
1946	494711.06	3859351.99	0.28198	0.38528	0.33288	0.2414	5.14E-04	3.3E-05	0.00177	2.6E-07	0.00232	6.30E-04	4.02E-05	0.002162	1.44E-07	2.83E-03	0.000555	3.09E-05	0.004657	1.49E-07	0.005243
1947	494761.06	3859351.99	0.27742	0.37574	0.32478	0.23053	5.06E-04	3.2E-05	0.00173	2.5E-07	0.00226	6.20E-04	3.92E-05	0.00211	1.38E-07	2.77E-03	0.000546	3.01E-05	0.004543	1.42E-07	0.00512
1948	494811.06	3859351.99	0.26978	0.36236	0.31283	0.21509	4.92E-04	3.1E-05	0.00166	2.3E-07	0.00218	6.03E-04	3.78E-05	0.002032	1.28E-07	2.67E-03	0.000531	2.91E-05	0.004376	1.33E-07	0.004937

1949	494861.06	3859351.99	0.26779	0.3551	0.30894	0.21261	4.88E-04	3E-05	0.00164	2.3E-07	0.00216	5.98E-04	3.7E-05	0.002007	1.27E-07	2.64E-03	0.000527	2.85E-05	0.004322	1.31E-07	0.004878
1950	494911.06	3859351.99	0.26635	0.35243	0.30643	0.21205	4.86E-04	3E-05	0.00163	2.3E-07	0.00214	5.95E-04	3.68E-05	0.00199	1.27E-07	2.62E-03	0.000525	2.83E-05	0.004287	1.31E-07	0.00484
1951	494961.06	3859351.99	0.26308	0.344	0.30041	0.20705	4.80E-04	2.9E-05	0.0016	2.2E-07	0.00211	5.88E-04	3.59E-05	0.001951	1.24E-07	2.57E-03	0.000518	2.76E-05	0.004202	1.28E-07	0.004748
1952	495011.06	3859351.99	0.26162	0.33788	0.29753	0.20399	4.77E-04	2.9E-05	0.00158	2.2E-07	0.00209	5.84E-04	3.52E-05	0.001933	1.22E-07	2.55E-03	0.000515	2.71E-05	0.004162	1.26E-07	0.004705
1953	495061.06	3859351.99	0.26303	0.34127	0.30015	0.20742	4.79E-04	2.9E-05	0.00159	2.2E-07	0.0021	5.88E-04	3.56E-05	0.00195	1.24E-07	2.57E-03	0.000518	2.74E-05	0.004199	1.28E-07	0.004744
1954	495111.06	3859351.99	0.25872	0.33757	0.29735	0.20419	4.72E-04	2.9E-05	0.00158	2.2E-07	0.00208	5.78E-04	3.52E-05	0.001931	1.22E-07	2.54E-03	0.00051	2.71E-05	0.00416	1.26E-07	0.004696
1955	495161.06	3859351.99	0.25714	0.33546	0.29602	0.20274	4.69E-04	2.9E-05	0.00157	2.2E-07	0.00207	5.74E-04	3.5E-05	0.001923	1.21E-07	2.53E-03	0.000506	2.69E-05	0.004141	1.25E-07	0.004674
1956	495211.06	3859351.99	0.25557	0.34177	0.29499	0.20072	4.66E-04	2.9E-05	0.00157	2.1E-07	0.00206	5.71E-04	3.56E-05	0.001916	1.2E-07	2.52E-03	0.000503	2.74E-05	0.004127	1.24E-07	0.004657
1957	495261.06	3859351.99	0.25271	0.34311	0.29394	0.20074	4.61E-04	2.9E-05	0.00156	2.1E-07	0.00205	5.64E-04	3.58E-05	0.001909	1.2E-07	2.51E-03	0.000498	2.75E-05	0.004112	1.24E-07	0.004637
1958	495311.06	3859351.99	0.24708	0.33517	0.2928	0.19867	4.50E-04	2.9E-05	0.00156	2.1E-07	0.00203	5.52E-04	3.5E-05	0.001902	1.19E-07	2.49E-03	0.000487	2.69E-05	0.004096	1.22E-07	0.00461
1959	495361.06	3859351.99	0.24415	0.33104	0.2921	0.1979	4.45E-04	2.8E-05	0.00155	2.1E-07	0.00203	5.45E-04	3.45E-05	0.001897	1.18E-07	2.48E-03	0.000481	2.66E-05	0.004086	1.22E-07	0.004594
1960	495411.06	3859351.99	0.24278	0.33408	0.28681	0.19829	4.43E-04	2.8E-05	0.00152	2.1E-07	0.002	5.42E-04	3.48E-05	0.001863	1.18E-07	2.44E-03	0.000478	2.68E-05	0.004012	1.22E-07	0.004517
1961	495461.06	3859351.99	0.24093	0.33625	0.28434	0.1996	4.39E-04	2.9E-05	0.00151	2.1E-07	0.00198	5.38E-04	3.51E-05	0.001847	1.19E-07	2.42E-03	0.000475	2.7E-05	0.003978	1.23E-07	0.004479
1962	495511.06	3859351.99	0.23725	0.33286	0.27854	0.19451	4.32E-04	2.8E-05	0.00148	2.1E-07	0.00194	5.30E-04	3.47E-05	0.001809	1.16E-07	2.37E-03	0.000467	2.67E-05	0.003896	1.2E-07	0.004391
1963	495561.06	3859351.99	0.23453	0.32884	0.2751	0.19221	4.28E-04	2.8E-05	0.00146	2.1E-07	0.00192	5.24E-04	3.43E-05	0.001787	1.15E-07	2.35E-03	0.000462	2.64E-05	0.003848	1.19E-07	0.004337
1964	495611.06	3859351.99	0.23311	0.32556	0.27287	0.19117	4.25E-04	2.8E-05	0.00145	2E-07	0.0019	5.21E-04	3.39E-05	0.001772	1.14E-07	2.33E-03	0.000459	2.61E-05	0.003817	1.18E-07	0.004303
1965	495661.06	3859351.99	0.22974	0.32065	0.26632	0.18784	4.19E-04	2.7E-05	0.00142	2E-07	0.00186	5.13E-04	3.34E-05	0.00173	1.12E-07	2.28E-03	0.000452	2.57E-05	0.003726	1.16E-07	0.004204
1966	494311.06	3859401.99	0.30797	0.37925	0.3738	0.30826	5.61E-04	3.2E-05	0.00199	3.3E-07	0.00258	6.88E-04	3.95E-05	0.002428	1.84E-07	3.16E-03	0.000607	3.04E-05	0.005229	1.9E-07	0.005866
1967	494361.06	3859401.99	0.30417	0.37834	0.36979	0.29819	5.54E-04	3.2E-05	0.00196	3.2E-07	0.00255	6.79E-04	3.95E-05	0.002402	1.78E-07	3.12E-03	0.000599	3.03E-05	0.005173	1.84E-07	0.005803
1968	494411.06	3859401.99	0.30126	0.37847	0.36345	0.28772	5.49E-04	3.2E-05	0.00193	3.1E-07	0.00251	6.73E-04	3.95E-05	0.002361	1.72E-07	3.07E-03	0.000593	3.04E-05	0.005084	1.77E-07	0.005708
1969	494461.06	3859401.99	0.29887	0.37917	0.35575	0.2801	5.45E-04	3.2E-05	0.00189	3E-07	0.00247	6.68E-04	3.95E-05	0.002311	1.67E-07	3.02E-03	0.000589	3.04E-05	0.004977	1.73E-07	0.005596
1970	494511.06	3859401.99	0.29746	0.38271	0.35131	0.27454	5.42E-04	3.3E-05	0.00187	2.9E-07	0.00244	6.64E-04	3.99E-05	0.002282	1.64E-07	2.99E-03	0.000586	3.07E-05	0.004914	1.69E-07	0.005531
1971	494561.06	3859401.99	0.29531	0.38729	0.35037	0.26703	5.38E-04	3.3E-05	0.00186	2.8E-07	0.00243	6.60E-04	4.04E-05	0.002276	1.59E-07	2.98E-03	0.000582	3.11E-05	0.004901	1.65E-07	0.005514
1972	494611.06	3859401.99	0.29172	0.39024	0.34712	0.26098	5.32E-04	3.3E-05	0.00184	2.8E-07	0.00241	6.52E-04	4.07E-05	0.002255	1.56E-07	2.95E-03	0.000575	3.13E-05	0.004856	1.61E-07	0.005462
1973	494661.06	3859401.99	0.2877	0.39136	0.34409	0.25817	5.24E-04	3.3E-05	0.00183	2.8E-07	0.00239	6.43E-04	4.08E-05	0.002235	1.54E-07	2.92E-03	0.000567	3.14E-05	0.004813	1.59E-07	0.005412
1974	494711.06	3859401.99	0.28433	0.3891	0.34046	0.25311	5.18E-04	3.3E-05	0.00181	2.7E-07	0.00236	6.35E-04	4.06E-05	0.002211	1.51E-07	2.89E-03	0.00056	3.12E-05	0.004763	1.56E-07	0.005354
1975	494761.06	3859401.99	0.27983	0.38098	0.33453	0.24247	5.10E-04	3.2E-05	0.00178	2.6E-07	0.00232	6.25E-04	3.97E-05	0.002173	1.45E-07	2.84E-03	0.000551	3.06E-05	0.00468	1.49E-07	0.005262
1976	494811.06	3859401.99	0.27549	0.37295	0.3295	0.23552	5.02E-04	3.2E-05	0.00175	2.5E-07	0.00228	6.15E-04	3.89E-05	0.00214	1.41E-07	2.79E-03	0.000543	2.99E-05	0.004609	1.45E-07	0.005182
1977	494861.06	3859401.99	0.26935	0.36464	0.32079	0.22511	4.91E-04	3.1E-05	0.0017	2.4E-07	0.00223	6.02E-04	3.8E-05	0.002084	1.34E-07	2.72E-03	0.00053	2.93E-05	0.004488	1.39E-07	0.005047
1978	494911.06	3859401.99	0.26746	0.35952	0.31324	0.21779	4.88E-04	3.1E-05	0.00166	2.3E-07	0.00218	5.97E-04	3.75E-05	0.002035	1.3E-07	2.67E-03	0.000527	2.88E-05	0.004382	1.34E-07	0.004938
1979	494961.06	3859401.99	0.2668	0.35397	0.30748	0.21589	4.86E-04	3E-05	0.00163	2.3E-07	0.00215	5.96E-04	3.69E-05	0.001997	1.29E-07	2.63E-03	0.000525	2.84E-05	0.004301	1.33E-07	0.004855
1980	495011.06	3859401.99	0.26644	0.35312	0.30607	0.21554	4.86E-04	3E-05	0.00163	2.3E-07	0.00214	5.95E-04	3.68E-05	0.001988	1.29E-07	2.62E-03	0.000525	2.83E-05	0.004282	1.33E-07	0.004835
1981	495061.06	3859401.99	0.26649	0.35612	0.30467	0.21532	4.86E-04	3E-05	0.00162	2.3E-07	0.00214	5.95E-04	3.71E-05	0.001979	1.29E-07	2.61E-03	0.000525	2.86E-05	0.004262	1.33E-07	0.004816
1982	495111.06	3859401.99	0.26452	0.34994	0.29973	0.21168	4.82E-04	3E-05	0.00159	2.3E-07	0.0021	5.91E-04	3.65E-05	0.001947	1.26E-07	2.57E-03	0.000521	2.81E-05	0.004193	1.31E-07	0.004742
1983	495161.06	3859401.99	0.264	0.34747	0.29879	0.21319	4.81E-04	3E-05	0.00159	2.3E-07	0.0021	5.90E-04	3.62E-05	0.001941	1.27E-07	2.57E-03	0.00052	2.79E-05	0.00418	1.31E-07	0.004728
1984	495211.06	3859401.99	0.26315	0.34538	0.29993	0.21322	4.80E-04	2.9E-05	0.00159	2.3E-07	0.0021	5.88E-04	3.6E-05	0.001948	1.27E-07	2.57E-03	0.000518	2.77E-05	0.004196	1.31E-07	0.004742
1985	495261.06	3859401.99	0.26208	0.3416	0.29903	0.21103	4.78E-04	2.9E-05	0.00159	2.3E-07	0.0021	5.85E-04	3.56E-05	0.001942	1.26E-07	2.56E-03	0.000516	2.74E-05	0.004183	1.3E-07	0.004727
1986	495311.06	3859401.99	0.25981	0.33862	0.29751	0.20802	4.74E-04	2.9E-05	0.00158	2.2E-07	0.00208	5.80E-04	3.53E-05	0.001932	1.24E-07	2.55E-03	0.000512	2.72E-05	0.004162	1.28E-07	0.004701
1987	495361.06	3859401.99	0.25721	0.34172	0.29899	0.20776	4.69E-04	2.9E-05	0.00159	2.2E-07	0.00209	5.75E-04	3.56E-05	0.001942	1.24E-07	2.55E-03	0.000507	2.74E-05	0.004183	1.28E-07	0.004717
1988	495411.06	3859401.99	0.2526	0.34491	0.29755	0.2071	4.60E-04	2.9E-05	0.00158	2.2E-07	0.00207	5.64E-04	3.6E-05	0.001933	1.24E-07	2.53E-03	0.000497	2.77E-05	0.004162	1.28E-07	0.004688
1989	495461.06	3859401.99	0.24873	0.34316	0.29506	0.20515	4.53E-04	2.9E-05	0.00157	2.2E-07	0.00205	5.56E-04	3.58E-05	0.001917	1.22E-07	2.51E-03	0.00049	2.75E-05	0.004128	1.26E-07	0.004645
1990	495511.06	3859401.99	0.24475	0.3361	0.2912	0.202	4.46E-04	2.9E-05	0.00155	2.2E-07	0.00202	5.47E-04	3.5E-05	0.001891	1.21E-07	2.47E-03	0.000482	2.7E-05	0.004074	1.25E-07	0.004583
1991	495561.06	3859401.99	0.23897	0.32492	0.28373	0.19752	4.36E-04	2.8E-05	0.00151	2.1E-07	0.00197	5.34E-04	3.39E-05	0.001843	1.18E-07	2.41E-03	0.000471	2.61E-05	0.003969	1.22E-07	0.004466
1992	495611.06	3859401.99	0.23616	0.325	0.27899	0.19605	4.30E-04	2.8E-05	0.00148	2.1E-07	0.00194	5.28E-04	3.39E-05	0.001812	1.17E-07	2.37E-03	0.000465	2.61E-05	0.003903	1.21E-07	0.004394
1993	495661.06	3859401.99	0.23427	0.32412	0.27494	0.19452	4.27E-04	2.8E-05	0.00146	2.1E-07	0.00192	5.23E-04	3.38E-05	0.001786	1.16E-07	2.34E-03	0.000461	2.6E-05	0.003846	1.2E-07	0.004334
1994	494311.06	3859451.99	0.30675	0.38376	0.36292	0.31498	5.59E-04	3.3E-05	0.00193	3.4E-07	0.00252	6.85E-04	4E-05	0.002357	1.88E-07	3.08E-03	0.000604	3.08E-05	0.005077	1.94E-07	0.005712
1995	494361.06	3859451.99	0.30435	0.37858	0.36143	0.30792	5.55E-04	3.2E-05	0.00192	3.3E-07	0.00251	6.80E-04	3.95E-05	0.002348	1.84E-07	3.07E-03	0.000599	3.04E-05	0.005056	1.9E-07	0.005686
1996	494411.06	3859451.99	0.299	0.37044	0.36171	0.295	5.45E-04	3.2E-05	0.00192	3.1E-07	0.0025	6.68E-04	3.86E-05	0.002349	1.76E-07	3.06E-03	0.000589	2.97E-05	0.00506	1.82E-07	0.005679
1997	494461.06	3859451.99	0.29722	0.36254	0.36318	0.29277	5.42E-04	3.1E-05	0.00193	3.1E-07	0.0025	6.64E-04	3.78E-05	0.002359	1.75E-07	3.06E-03	0.000585	2.91E-05	0.005081	1.81E-07	0.005695
1998	494511.06	3859451.99	0.29565	0.36009	0.35923	0.2853	5.39E-04	3.1E-05	0.00191	3E-07	0.00248	6.60E-04	3.75E-05	0.002333	1.7E-07	3.03E-03	0.000582	2.89E-05	0.005025	1.76E-07	0.005637
1999	494561.06	3859451.99	0.29471	0.3622	0.35302	0.27959	5.37E-04	3.1E-05	0.00188	3E-07	0.00244	6.58E-04	3.78E-05	0.002293	1.67E-07	2.99E-03	0.00058	2.91E-05	0.004938	1.72E-07	0.005548
2000	494611.06	3859451.99	0.2936	0.36722	0.34724	0.27636	5.35E-04	3.1E-05	0.00184	2.9E-07	0.00241	6.56E-04	3.83E-05	0.002255	1.65E-07	2.95E-03	0.000578	2.95E-05	0.004858	1.7E-07	0.005465
2001	494661.06	3859451.99	0.29048	0.36862	0.34324	0.26684	5.29E-04	3.1E-05	0.00182	2.8E-07	0.00238	6.49E-04	3.84E-05	0.002229	1.59E-07	2.92E-03	0.000572	2.96E-05	0.004802	1.65E-07	0.005403
2002	494711.06	3859451.99	0.2867	0.37059	0.34105	0.25893	5.23E-04	3.2E-05	0.00181	2.8E-07	0.00237	6.40E-04	3.86E-05	0.002215	1.55E-07	2.89E-03	0.000565	2.97E-05	0.004771	1.6E-07	0.005365
2003	494761.06	3859451.99	0.28312	0.37568	0.33765	0.25452	5.16E-04	3.2E-05	0.00179	2.7E-07	0.00234	6.32E-04	3.92E-05	0.002193	1.52E-07	2.86E-03	0.000558	3.01E-05	0.004723	1.57E-07	0.005311
2004	494811.06	3859451.99	0.278	0.37431	0.33207	0.2461	5.07E-04	3.2E-05	0.00176	2.6E-07	0.0023	6.21E-04	3.9E-05	0.002157	1.47E-07	2.82E-03	0.000548	3E-05	0.004645	1.52E-07	0.005223
2005	494861.06	3859451.99	0.27419	0.37019	0.32869	0.23955	5.00E-04	3.2E-05	0.00175	2.6E-07	0.00228	6.12E-04	3.86E-05	0.002135	1.43E-07	2.79E-03	0.00054	2.97E-05	0.004598	1.48E-07	0.005168
2006	494911.06	3859451.99	0.27164	0.36703	0.32578	0.23544	4.95E-04	3.1E-05	0.00173	2.5E-07	0.00226	6.07E-04	3.83E-05	0.002116	1.41E-07	2.76E-03	0.000535	2.94E-05	0.004557	1.45E-07	0.005122
2007	494961.06	3859451.99	0.26889	0.36447	0.32363	0.23425	4.90E-04	3.1E-05	0.00172	2.5E-07	0.00224	6.01E-04	3.8E-05	0.002102	1.4E-07	2.74E-03	0.00053	2.92E-05	0.004527	1.44E-07	0.005086
2008	495011.06	3859451.99	0.26837	0.35944	0.31756	0.23139	4.89E-04	3.1E-05	0.00169	2.5E-07	0.00221	5.99E-04	3.75E-05	0.002063	1.38E-07	2.70E-03	0.000529	2.88E-05	0.004442	1.43E-07	0.005
2009	495061.06	3859451.99	0.26831	0.35624	0.31215	0.22693	4.89E-04	3E-05	0.00166	2.4E-07	0.00218	5.99E-04	3.71E-05	0.002028	1.35E-07	2.66E-03	0.000528	2.86E-05	0.004367	1.4E-07	0.004924

2010	495111.06	3859451.99	0.26768	0.35313	0.30795	0.22354	4.88E-04	3E-05	0.00164	2.4E-07	0.00215	5.98E-04	3.68E-05	0.002	1.33E-07	2.64E-03	0.000527	2.83E-05	0.004308	1.38E-07	0.004864
2011	495161.06	3859451.99	0.26724	0.35353	0.30453	0.22213	4.87E-04	3E-05	0.00162	2.4E-07	0.00214	5.97E-04	3.69E-05	0.001978	1.33E-07	2.61E-03	0.000526	2.84E-05	0.00426	1.37E-07	0.004815
2012	495211.06	3859451.99	0.26852	0.3546	0.30234	0.22338	4.89E-04	3E-05	0.00161	2.4E-07	0.00213	6.00E-04	3.7E-05	0.001964	1.33E-07	2.60E-03	0.000529	2.84E-05	0.004229	1.38E-07	0.004787
2013	495261.06	3859451.99	0.26879	0.35441	0.30283	0.22457	4.90E-04	3E-05	0.00161	2.4E-07	0.00213	6.00E-04	3.7E-05	0.001967	1.34E-07	2.60E-03	0.000529	2.84E-05	0.004236	1.38E-07	0.004794
2014	495311.06	3859451.99	0.26643	0.35186	0.30072	0.22343	4.86E-04	3E-05	0.0016	2.4E-07	0.00211	5.95E-04	3.67E-05	0.001953	1.33E-07	2.59E-03	0.000525	2.82E-05	0.004207	1.38E-07	0.00476
2015	495361.06	3859451.99	0.26427	0.35193	0.30053	0.22218	4.82E-04	3E-05	0.0016	2.4E-07	0.00211	5.90E-04	3.67E-05	0.001952	1.33E-07	2.58E-03	0.00052	2.82E-05	0.004204	1.37E-07	0.004753
2016	495411.06	3859451.99	0.26231	0.34846	0.29903	0.21834	4.78E-04	3E-05	0.00159	2.3E-07	0.0021	5.86E-04	3.63E-05	0.001942	1.3E-07	2.56E-03	0.000517	2.8E-05	0.004183	1.35E-07	0.004728
2017	495461.06	3859451.99	0.25917	0.34192	0.299	0.21529	4.72E-04	2.9E-05	0.00159	2.3E-07	0.00209	5.79E-04	3.57E-05	0.001942	1.28E-07	2.56E-03	0.00051	2.74E-05	0.004183	1.33E-07	0.004721
2018	495511.06	3859451.99	0.25255	0.33589	0.29642	0.20804	4.60E-04	2.9E-05	0.00157	2.2E-07	0.00206	5.64E-04	3.5E-05	0.001925	1.24E-07	2.52E-03	0.000497	2.69E-05	0.004147	1.28E-07	0.004671
2019	495561.06	3859451.99	0.24806	0.33571	0.29352	0.20463	4.52E-04	2.9E-05	0.00156	2.2E-07	0.00204	5.54E-04	3.5E-05	0.001906	1.22E-07	2.50E-03	0.000489	2.69E-05	0.004106	1.26E-07	0.004622
2020	495611.06	3859451.99	0.24483	0.33395	0.2912	0.20245	4.46E-04	2.8E-05	0.00155	2.2E-07	0.00202	5.47E-04	3.48E-05	0.001891	1.21E-07	2.47E-03	0.000482	2.68E-05	0.004074	1.25E-07	0.004583
2021	495661.06	3859451.99	0.2415	0.33245	0.2879	0.20058	4.40E-04	2.8E-05	0.00153	2.1E-07	0.002	5.39E-04	3.47E-05	0.00187	1.2E-07	2.44E-03	0.000476	2.67E-05	0.004027	1.24E-07	0.00453
2022	494311.06	3859501.99	0.30514	0.37904	0.36172	0.3217	5.56E-04	3.2E-05	0.00192	3.4E-07	0.00251	6.82E-04	3.95E-05	0.002349	1.92E-07	3.07E-03	0.000601	3.04E-05	0.00506	1.98E-07	0.005692
2023	494361.06	3859501.99	0.30287	0.37553	0.36058	0.31406	5.52E-04	3.2E-05	0.00192	3.4E-07	0.0025	6.77E-04	3.92E-05	0.002342	1.87E-07	3.06E-03	0.000596	3.01E-05	0.005044	1.94E-07	0.005671
2024	494411.06	3859501.99	0.29889	0.37154	0.35705	0.2997	5.45E-04	3.2E-05	0.0019	3.2E-07	0.00247	6.68E-04	3.87E-05	0.002319	1.79E-07	3.03E-03	0.000589	2.98E-05	0.004995	1.85E-07	0.005613
2025	494461.06	3859501.99	0.29859	0.37077	0.35533	0.30304	5.44E-04	3.2E-05	0.00189	3.2E-07	0.00246	6.67E-04	3.87E-05	0.002308	1.81E-07	3.01E-03	0.000588	2.97E-05	0.004971	1.87E-07	0.005589
2026	494511.06	3859501.99	0.29502	0.36741	0.35332	0.29595	5.38E-04	3.1E-05	0.00188	3.2E-07	0.00245	6.59E-04	3.83E-05	0.002295	1.77E-07	2.99E-03	0.000581	2.95E-05	0.004943	1.82E-07	0.005553
2027	494561.06	3859501.99	0.29209	0.35922	0.35397	0.29018	5.32E-04	3.1E-05	0.00188	3.1E-07	0.00244	6.52E-04	3.75E-05	0.002299	1.73E-07	2.99E-03	0.000575	2.88E-05	0.004952	1.79E-07	0.005556
2028	494611.06	3859501.99	0.29325	0.35454	0.35432	0.29245	5.35E-04	3E-05	0.00188	3.1E-07	0.00245	6.55E-04	3.7E-05	0.002301	1.75E-07	2.99E-03	0.000578	2.84E-05	0.004957	1.8E-07	0.005563
2029	494661.06	3859501.99	0.29116	0.34727	0.34984	0.28277	5.31E-04	3E-05	0.00186	3E-07	0.00242	6.50E-04	3.62E-05	0.002272	1.69E-07	2.96E-03	0.000573	2.79E-05	0.004894	1.74E-07	0.005495
2030	494711.06	3859501.99	0.28809	0.34659	0.34278	0.27069	5.25E-04	2.9E-05	0.00182	2.9E-07	0.00238	6.44E-04	3.61E-05	0.002226	1.62E-07	2.91E-03	0.000567	2.78E-05	0.004795	1.67E-07	0.005391
2031	494761.06	3859501.99	0.28707	0.35463	0.33842	0.26968	5.23E-04	3E-05	0.0018	2.9E-07	0.00235	6.41E-04	3.7E-05	0.002198	1.61E-07	2.88E-03	0.000565	2.84E-05	0.004734	1.66E-07	0.005328
2032	494811.06	3859501.99	0.2805	0.35277	0.33246	0.2527	5.11E-04	3E-05	0.00177	2.7E-07	0.00231	6.27E-04	3.68E-05	0.002159	1.51E-07	2.82E-03	0.000552	2.83E-05	0.004651	1.56E-07	0.005232
2033	494861.06	3859501.99	0.27752	0.35623	0.33036	0.24841	5.06E-04	3E-05	0.00176	2.6E-07	0.00229	6.20E-04	3.71E-05	0.002146	1.48E-07	2.80E-03	0.000547	2.86E-05	0.004621	1.53E-07	0.005197
2034	494911.06	3859501.99	0.27528	0.36268	0.32784	0.24798	5.02E-04	3.1E-05	0.00174	2.6E-07	0.00227	6.15E-04	3.78E-05	0.002129	1.48E-07	2.78E-03	0.000542	2.91E-05	0.004586	1.53E-07	0.005158
2035	494961.06	3859501.99	0.27132	0.36444	0.32525	0.24248	4.95E-04	3.1E-05	0.00173	2.6E-07	0.00225	6.06E-04	3.8E-05	0.002113	1.45E-07	2.76E-03	0.000534	2.92E-05	0.00455	1.5E-07	0.005114
2036	495011.06	3859501.99	0.2702	0.36482	0.32418	0.24176	4.93E-04	3.1E-05	0.00172	2.6E-07	0.00225	6.04E-04	3.8E-05	0.002106	1.44E-07	2.75E-03	0.000532	2.93E-05	0.004535	1.49E-07	0.005097
2037	495061.06	3859501.99	0.26812	0.36528	0.32272	0.24053	4.89E-04	3.1E-05	0.00171	2.6E-07	0.00223	5.99E-04	3.81E-05	0.002096	1.44E-07	2.73E-03	0.000528	2.93E-05	0.004515	1.48E-07	0.005072
2038	495111.06	3859501.99	0.26563	0.36198	0.3171	0.23594	4.84E-04	3.1E-05	0.00168	2.5E-07	0.0022	5.93E-04	3.77E-05	0.00206	1.41E-07	2.69E-03	0.000523	2.9E-05	0.004436	1.45E-07	0.004988
2039	495161.06	3859501.99	0.26667	0.35609	0.31387	0.23505	4.86E-04	3E-05	0.00167	2.5E-07	0.00218	5.96E-04	3.71E-05	0.002039	1.4E-07	2.67E-03	0.000525	2.86E-05	0.004391	1.45E-07	0.004945
2040	495211.06	3859501.99	0.26893	0.35327	0.31136	0.23551	4.90E-04	3E-05	0.00165	2.5E-07	0.00217	6.01E-04	3.68E-05	0.002022	1.41E-07	2.66E-03	0.00053	2.83E-05	0.004356	1.45E-07	0.004914
2041	495261.06	3859501.99	0.26917	0.35329	0.30802	0.23337	4.91E-04	3E-05	0.00164	2.5E-07	0.00216	6.01E-04	3.68E-05	0.002001	1.39E-07	2.64E-03	0.00053	2.83E-05	0.004309	1.44E-07	0.004867
2042	495311.06	3859501.99	0.26962	0.35275	0.30464	0.23202	4.91E-04	3E-05	0.00162	2.5E-07	0.00214	6.02E-04	3.68E-05	0.001979	1.38E-07	2.62E-03	0.000531	2.83E-05	0.004262	1.43E-07	0.004821
2043	495361.06	3859501.99	0.26939	0.34972	0.30227	0.22897	4.91E-04	3E-05	0.00161	2.4E-07	0.00213	6.02E-04	3.65E-05	0.001963	1.37E-07	2.60E-03	0.000531	2.81E-05	0.004228	1.41E-07	0.004787
2044	495411.06	3859501.99	0.26725	0.34907	0.30154	0.22695	4.87E-04	3E-05	0.0016	2.4E-07	0.00212	5.97E-04	3.64E-05	0.001959	1.35E-07	2.59E-03	0.000526	2.8E-05	0.004218	1.4E-07	0.004773
2045	495461.06	3859501.99	0.26468	0.34855	0.29911	0.22582	4.82E-04	3E-05	0.00159	2.4E-07	0.0021	5.91E-04	3.63E-05	0.001943	1.35E-07	2.57E-03	0.000521	2.8E-05	0.004184	1.39E-07	0.004734
2046	495511.06	3859501.99	0.26059	0.3419	0.29598	0.21969	4.75E-04	2.9E-05	0.00157	2.3E-07	0.00208	5.82E-04	3.57E-05	0.001922	1.31E-07	2.54E-03	0.000513	2.74E-05	0.00414	1.35E-07	0.004681
2047	495561.06	3859501.99	0.25891	0.34291	0.29614	0.21908	4.72E-04	2.9E-05	0.00157	2.3E-07	0.00207	5.78E-04	3.58E-05	0.001924	1.31E-07	2.54E-03	0.00051	2.75E-05	0.004143	1.35E-07	0.00468
2048	495611.06	3859501.99	0.25383	0.3399	0.295	0.21417	4.63E-04	2.9E-05	0.00157	2.3E-07	0.00206	5.67E-04	3.54E-05	0.001916	1.28E-07	2.52E-03	0.0005	2.73E-05	0.004127	1.32E-07	0.004654
2049	495661.06	3859501.99	0.24894	0.33185	0.29382	0.20868	4.54E-04	2.8E-05	0.00156	2.2E-07	0.00204	5.56E-04	3.46E-05	0.001908	1.25E-07	2.50E-03	0.00049	2.66E-05	0.00411	1.29E-07	0.004627
2050	494311.06	3859551.99	0.30802	0.37374	0.3575	0.32548	5.61E-04	3.2E-05	0.0019	3.5E-07	0.00249	6.88E-04	3.9E-05	0.002322	1.94E-07	3.05E-03	0.000607	3E-05	0.005001	2.01E-07	0.005638
2051	494361.06	3859551.99	0.30355	0.36803	0.35736	0.31662	5.53E-04	3.1E-05	0.0019	3.4E-07	0.00248	6.78E-04	3.84E-05	0.002321	1.89E-07	3.04E-03	0.000598	2.95E-05	0.004999	1.95E-07	0.005627
2052	494411.06	3859551.99	0.29807	0.36058	0.35584	0.30134	5.43E-04	3.1E-05	0.00189	3.2E-07	0.00246	6.66E-04	3.76E-05	0.002311	1.8E-07	3.01E-03	0.000587	2.89E-05	0.004978	1.86E-07	0.005594
2053	494461.06	3859551.99	0.29783	0.36374	0.35341	0.30841	5.43E-04	3.1E-05	0.00188	3.3E-07	0.00245	6.65E-04	3.79E-05	0.002296	1.84E-07	3.00E-03	0.000587	2.92E-05	0.004944	1.9E-07	0.00556
2054	494511.06	3859551.99	0.29548	0.3615	0.35342	0.30279	5.39E-04	3.1E-05	0.00188	3.2E-07	0.00245	6.60E-04	3.77E-05	0.002296	1.81E-07	2.99E-03	0.000582	2.9E-05	0.004944	1.87E-07	0.005555
2055	494561.06	3859551.99	0.2929	0.3601	0.35123	0.29942	5.34E-04	3.1E-05	0.00187	3.2E-07	0.00243	6.54E-04	3.76E-05	0.002281	1.79E-07	2.97E-03	0.000577	2.89E-05	0.004913	1.85E-07	0.005519
2056	494611.06	3859551.99	0.29154	0.36042	0.34873	0.29871	5.31E-04	3.1E-05	0.00185	3.2E-07	0.00242	6.51E-04	3.76E-05	0.002265	1.78E-07	2.95E-03	0.000574	2.89E-05	0.004878	1.84E-07	0.005482
2057	494661.06	3859551.99	0.28961	0.35736	0.347	0.29583	5.28E-04	3E-05	0.00184	3.2E-07	0.0024	6.47E-04	3.73E-05	0.002254	1.77E-07	2.94E-03	0.00057	2.87E-05	0.004854	1.82E-07	0.005453
2058	494711.06	3859551.99	0.28327	0.34889	0.34449	0.27799	5.16E-04	3E-05	0.00183	3E-07	0.00238	6.33E-04	3.64E-05	0.002238	1.66E-07	2.91E-03	0.000558	2.8E-05	0.004819	1.71E-07	0.005405
2059	494761.06	3859551.99	0.28641	0.34412	0.34386	0.28277	5.22E-04	2.9E-05	0.00183	3E-07	0.00238	6.40E-04	3.59E-05	0.002233	1.69E-07	2.91E-03	0.000564	2.76E-05	0.00481	1.74E-07	0.005402
2060	494811.06	3859551.99	0.28315	0.33359	0.33856	0.26973	5.16E-04	2.8E-05	0.0018	2.9E-07	0.00234	6.32E-04	3.48E-05	0.002199	1.61E-07	2.87E-03	0.000558	2.68E-05	0.004736	1.66E-07	0.005321
2061	494861.06	3859551.99	0.28172	0.3382	0.33504	0.26487	5.14E-04	2.9E-05	0.00178	2.8E-07	0.00232	6.29E-04	3.53E-05	0.002176	1.58E-07	2.84E-03	0.000555	2.71E-05	0.004687	1.63E-07	0.005269
2062	494911.06	3859551.99	0.27852	0.33965	0.32918	0.25688	5.08E-04	2.9E-05	0.00175	2.7E-07	0.00229	6.22E-04	3.54E-05	0.002138	1.53E-07	2.80E-03	0.000549	2.72E-05	0.004605	1.58E-07	0.005181
2063	494961.06	3859551.99	0.27671	0.3454	0.32676	0.2535	5.04E-04	2.9E-05	0.00174	2.7E-07	0.00227	6.18E-04	3.6E-05	0.002122	1.51E-07	2.78E-03	0.000545	2.77E-05	0.004571	1.56E-07	0.005144
2064	495011.06	3859551.99	0.27459	0.35019	0.32513	0.25211	5.01E-04	3E-05	0.00173	2.7E-07	0.00226	6.13E-04	3.65E-05	0.002112	1.5E-07	2.76E-03	0.000541	2.81E-05	0.004548	1.55E-07	0.005117
2065	495061.06	3859551.99	0.27116	0.35645	0.32383	0.24973	4.94E-04	3E-05	0.00172	2.7E-07	0.00225	6.06E-04	3.72E-05	0.002103	1.49E-07	2.75E-03	0.000534	2.86E-05	0.00453	1.54E-07	0.005093
2066	495111.06	3859551.99	0.26812	0.35836	0.32248	0.24602	4.89E-04	3E-05	0.00171	2.6E-07	0.00223	5.99E-04	3.74E-05	0.002095	1.47E-07	2.73E-03	0.000528	2.87E-05	0.004511	1.52E-07	0.005068
2067	495161.06	3859551.99	0.26674	0.35943	0.31978	0.24566	4.86E-04	3.1E-05	0.0017	2.6E-07	0.00222	5.96E-04	3.75E-05	0.002077	1.47E-07	2.71E-03	0.000525	2.88E-05	0.004473	1.51E-07	0.005028
2068	495211.06	3859551.99	0.26643	0.36254	0.31745	0.2469	4.86E-04	3.1E-05	0.00169	2.6E-07	0.0022	5.95E-04	3.78E-05	0.002062	1.47E-07	2.70E-03	0.000525	2.91E-05	0.004441	1.52E-07	0.004995
2069	495261.06	3859551.99	0.26672	0.36295	0.31505	0.24471	4.86E-04	3.1E-05	0.00167	2.6E-07	0.00219	5.96E-04	3.78E-05	0.002046	1.46E-07	2.68E-03	0.000525	2.91E-05	0.004407	1.51E-07	0.004962
2070	495311.06	3859551.99	0.26759	0.35634	0.31325	0.24329	4.88E-04	3E-05	0.00166	2.6E-07	0.00218	5.98E-04	3.72E-05	0.002035	1.45E-07	2.67E-03	0.000527	2.86E-05	0.004382	1.5E-07	0.004938

2071	495361.06	3859551.99	0.2682	0.35121	0.30997	0.24187	4.89E-04	3E-05	0.00165	2.6E-07	0.00217	5.99E-04	3.66E-05	0.002013	1.44E-07	2.65E-03	0.000528	2.82E-05	0.004336	1.49E-07	0.004893
2072	495411.06	3859551.99	0.26824	0.35035	0.30686	0.23981	4.89E-04	3E-05	0.00163	2.6E-07	0.00215	5.99E-04	3.65E-05	0.001993	1.43E-07	2.63E-03	0.000528	2.81E-05	0.004293	1.48E-07	0.004849
2073	495461.06	3859551.99	0.26694	0.34858	0.30294	0.23395	4.87E-04	3E-05	0.00161	2.5E-07	0.00213	5.96E-04	3.63E-05	0.001968	1.4E-07	2.60E-03	0.000526	2.8E-05	0.004238	1.44E-07	0.004792
2074	495511.06	3859551.99	0.26465	0.34135	0.29887	0.22769	4.82E-04	2.9E-05	0.00159	2.4E-07	0.0021	5.91E-04	3.56E-05	0.001941	1.36E-07	2.57E-03	0.000521	2.74E-05	0.004181	1.4E-07	0.00473
2075	495561.06	3859551.99	0.26247	0.33873	0.29656	0.22431	4.78E-04	2.9E-05	0.00158	2.4E-07	0.00208	5.86E-04	3.53E-05	0.001926	1.34E-07	2.55E-03	0.000517	2.72E-05	0.004149	1.38E-07	0.004693
2076	495611.06	3859551.99	0.26057	0.33737	0.29432	0.22223	4.75E-04	2.9E-05	0.00156	2.4E-07	0.00207	5.82E-04	3.52E-05	0.001912	1.33E-07	2.53E-03	0.000513	2.71E-05	0.004117	1.37E-07	0.004658
2077	495661.06	3859551.99	0.25778	0.33514	0.29298	0.21996	4.70E-04	2.9E-05	0.00156	2.3E-07	0.00206	5.76E-04	3.49E-05	0.001903	1.31E-07	2.51E-03	0.000508	2.69E-05	0.004098	1.36E-07	0.004633
2078	494311.06	3859601.99	0.30844	0.38659	0.35588	0.33919	5.62E-04	3.3E-05	0.00189	3.6E-07	0.00249	6.89E-04	4.03E-05	0.002312	2.02E-07	3.04E-03	0.000607	3.1E-05	0.004978	2.09E-07	0.005617
2079	494361.06	3859601.99	0.30444	0.37328	0.35614	0.31938	5.55E-04	3.2E-05	0.00189	3.4E-07	0.00248	6.80E-04	3.89E-05	0.002313	1.91E-07	3.03E-03	0.0006	2.99E-05	0.004982	1.97E-07	0.005612
2080	494411.06	3859601.99	0.30096	0.36591	0.35397	0.31052	5.49E-04	3.1E-05	0.00188	3.3E-07	0.00246	6.72E-04	3.82E-05	0.002299	1.85E-07	3.01E-03	0.000593	2.94E-05	0.004952	1.91E-07	0.005574
2081	494461.06	3859601.99	0.29945	0.36067	0.35144	0.31297	5.46E-04	3.1E-05	0.00187	3.3E-07	0.00244	6.69E-04	3.76E-05	0.002283	1.87E-07	2.99E-03	0.00059	2.89E-05	0.004916	1.93E-07	0.005535
2082	494511.06	3859601.99	0.29517	0.35379	0.35013	0.30347	5.38E-04	3E-05	0.00186	3.2E-07	0.00243	6.59E-04	3.69E-05	0.002274	1.81E-07	2.97E-03	0.000581	2.84E-05	0.004898	1.87E-07	0.005508
2083	494561.06	3859601.99	0.29237	0.35125	0.34929	0.30743	5.33E-04	3E-05	0.00186	3.3E-07	0.00242	6.53E-04	3.66E-05	0.002269	1.83E-07	2.96E-03	0.000576	2.82E-05	0.004886	1.9E-07	0.00549
2084	494611.06	3859601.99	0.29196	0.35245	0.34724	0.30629	5.32E-04	3E-05	0.00184	3.3E-07	0.00241	6.52E-04	3.68E-05	0.002255	1.83E-07	2.94E-03	0.000575	2.83E-05	0.004858	1.89E-07	0.005461
2085	494661.06	3859601.99	0.28817	0.34974	0.34691	0.29544	5.25E-04	3E-05	0.00184	3.2E-07	0.0024	6.44E-04	3.65E-05	0.002253	1.76E-07	2.93E-03	0.000568	2.81E-05	0.004853	1.82E-07	0.005449
2086	494711.06	3859601.99	0.28421	0.34637	0.34409	0.28731	5.18E-04	2.9E-05	0.00183	3.1E-07	0.00238	6.35E-04	3.61E-05	0.002235	1.71E-07	2.91E-03	0.00056	2.78E-05	0.004813	1.77E-07	0.005401
2087	494761.06	3859601.99	0.28604	0.35086	0.34278	0.2976	5.21E-04	3E-05	0.00182	3.2E-07	0.00237	6.39E-04	3.66E-05	0.002226	1.78E-07	2.90E-03	0.000563	2.81E-05	0.004795	1.83E-07	0.005387
2088	494811.06	3859601.99	0.28147	0.34212	0.33982	0.28735	5.13E-04	2.9E-05	0.00181	3.1E-07	0.00235	6.29E-04	3.57E-05	0.002207	1.72E-07	2.87E-03	0.000554	2.74E-05	0.004754	1.77E-07	0.005336
2089	494861.06	3859601.99	0.28138	0.34152	0.33777	0.28311	5.13E-04	2.9E-05	0.00179	3E-07	0.00234	6.29E-04	3.56E-05	0.002194	1.69E-07	2.86E-03	0.000554	2.74E-05	0.004725	1.75E-07	0.005307
2090	494911.06	3859601.99	0.27948	0.33507	0.33346	0.27281	5.09E-04	2.9E-05	0.00177	2.9E-07	0.00231	6.24E-04	3.49E-05	0.002166	1.63E-07	2.83E-03	0.00055	2.69E-05	0.004665	1.68E-07	0.005242
2091	494961.06	3859601.99	0.28116	0.3304	0.33329	0.27548	5.13E-04	2.8E-05	0.00177	2.9E-07	0.00231	6.28E-04	3.45E-05	0.002165	1.64E-07	2.83E-03	0.000554	2.65E-05	0.004662	1.7E-07	0.005243
2092	495011.06	3859601.99	0.27714	0.33412	0.32876	0.26547	5.05E-04	2.8E-05	0.00175	2.8E-07	0.00228	6.19E-04	3.48E-05	0.002135	1.58E-07	2.79E-03	0.000546	2.68E-05	0.004599	1.64E-07	0.005172
2093	495061.06	3859601.99	0.27626	0.33602	0.32302	0.26532	5.04E-04	2.9E-05	0.00172	2.8E-07	0.00225	6.17E-04	3.5E-05	0.002098	1.58E-07	2.75E-03	0.000544	2.7E-05	0.004519	1.64E-07	0.00509
2094	495111.06	3859601.99	0.27317	0.33799	0.32115	0.25589	4.98E-04	2.9E-05	0.00171	2.7E-07	0.00223	6.10E-04	3.52E-05	0.002086	1.53E-07	2.73E-03	0.000538	2.71E-05	0.004493	1.58E-07	0.005058
2095	495161.06	3859601.99	0.27003	0.34492	0.32067	0.25483	4.92E-04	2.9E-05	0.0017	2.7E-07	0.00223	6.03E-04	3.6E-05	0.002083	1.52E-07	2.72E-03	0.000532	2.77E-05	0.004486	1.57E-07	0.005045
2096	495211.06	3859601.99	0.26722	0.34957	0.32091	0.25339	4.87E-04	3E-05	0.00171	2.7E-07	0.00222	5.97E-04	3.65E-05	0.002084	1.51E-07	2.72E-03	0.000526	2.8E-05	0.004489	1.56E-07	0.005044
2097	495261.06	3859601.99	0.26578	0.35321	0.31792	0.25236	4.84E-04	3E-05	0.00169	2.7E-07	0.0022	5.94E-04	3.68E-05	0.002065	1.51E-07	2.70E-03	0.000523	2.83E-05	0.004447	1.56E-07	0.004999
2098	495311.06	3859601.99	0.26481	0.35438	0.31626	0.25258	4.83E-04	3E-05	0.00168	2.7E-07	0.00219	5.92E-04	3.7E-05	0.002054	1.51E-07	2.68E-03	0.000522	2.84E-05	0.004424	1.56E-07	0.004974
2099	495361.06	3859601.99	0.26532	0.3575	0.31417	0.2512	4.84E-04	3E-05	0.00167	2.7E-07	0.00218	5.93E-04	3.73E-05	0.002041	1.5E-07	2.67E-03	0.000523	2.87E-05	0.004395	1.55E-07	0.004946
2100	495411.06	3859601.99	0.26643	0.35872	0.31284	0.25086	4.86E-04	3.1E-05	0.00166	2.7E-07	0.00218	5.95E-04	3.74E-05	0.002032	1.5E-07	2.66E-03	0.000525	2.88E-05	0.004376	1.55E-07	0.00493
2101	495461.06	3859601.99	0.26493	0.35393	0.30921	0.24547	4.83E-04	3E-05	0.00164	2.6E-07	0.00216	5.92E-04	3.69E-05	0.002008	1.47E-07	2.64E-03	0.000522	2.84E-05	0.004326	1.51E-07	0.004876
2102	495511.06	3859601.99	0.26355	0.34617	0.3055	0.23925	4.80E-04	2.9E-05	0.00162	2.6E-07	0.00213	5.89E-04	3.61E-05	0.001984	1.43E-07	2.61E-03	0.000519	2.78E-05	0.004274	1.48E-07	0.004821
2103	495561.06	3859601.99	0.26374	0.34538	0.3032	0.23781	4.81E-04	2.9E-05	0.00161	2.5E-07	0.00212	5.89E-04	3.6E-05	0.001969	1.42E-07	2.59E-03	0.000519	2.77E-05	0.004241	1.47E-07	0.004789
2104	495611.06	3859601.99	0.26164	0.34058	0.2988	0.22942	4.77E-04	2.9E-05	0.00159	2.4E-07	0.00209	5.84E-04	3.55E-05	0.001941	1.37E-07	2.56E-03	0.000515	2.73E-05	0.00418	1.41E-07	0.004723
2105	495661.06	3859601.99	0.26091	0.33601	0.2966	0.2276	4.76E-04	2.9E-05	0.00158	2.4E-07	0.00208	5.83E-04	3.5E-05	0.001927	1.36E-07	2.54E-03	0.000514	2.7E-05	0.004149	1.4E-07	0.00469
2106	494311.06	3859651.99	0.30014	0.38139	0.34954	0.33949	5.47E-04	3.2E-05	0.00186	3.6E-07	0.00244	6.70E-04	3.98E-05	0.00227	2.03E-07	2.98E-03	0.000591	3.06E-05	0.00489	2.09E-07	0.005512
2107	494361.06	3859651.99	0.29812	0.37964	0.3536	0.32342	5.43E-04	3.2E-05	0.00188	3.5E-07	0.00245	6.66E-04	3.96E-05	0.002297	1.93E-07	3.00E-03	0.000587	3.05E-05	0.004947	1.99E-07	0.005564
2108	494411.06	3859651.99	0.2987	0.37899	0.35357	0.32004	5.44E-04	3.2E-05	0.00188	3.4E-07	0.00246	6.67E-04	3.95E-05	0.002297	1.91E-07	3.00E-03	0.000588	3.04E-05	0.004946	1.97E-07	0.005565
2109	494461.06	3859651.99	0.30031	0.37333	0.35023	0.325	5.47E-04	3.2E-05	0.00186	3.5E-07	0.00244	6.71E-04	3.89E-05	0.002275	1.94E-07	2.98E-03	0.000591	2.99E-05	0.004899	2E-07	0.005521
2110	494511.06	3859651.99	0.29723	0.36222	0.34901	0.31769	5.42E-04	3.1E-05	0.00185	3.4E-07	0.00243	6.64E-04	3.78E-05	0.002267	1.9E-07	2.97E-03	0.000585	2.91E-05	0.004882	1.96E-07	0.005497
2111	494561.06	3859651.99	0.29537	0.35685	0.34624	0.31459	5.38E-04	3E-05	0.00184	3.4E-07	0.00241	6.60E-04	3.72E-05	0.002249	1.88E-07	2.95E-03	0.000582	2.86E-05	0.004844	1.94E-07	0.005454
2112	494611.06	3859651.99	0.29148	0.35043	0.34433	0.31408	5.31E-04	3E-05	0.00183	3.4E-07	0.00239	6.51E-04	3.65E-05	0.002237	1.87E-07	2.92E-03	0.000574	2.81E-05	0.004817	1.94E-07	0.005419
2113	494661.06	3859651.99	0.28694	0.34349	0.34325	0.30062	5.23E-04	2.9E-05	0.00182	3.2E-07	0.00238	6.41E-04	3.58E-05	0.00223	1.79E-07	2.91E-03	0.000565	2.76E-05	0.004802	1.85E-07	0.005395
2114	494711.06	3859651.99	0.2858	0.33867	0.3421	0.29969	5.21E-04	2.9E-05	0.00182	3.2E-07	0.00237	6.38E-04	3.53E-05	0.002222	1.79E-07	2.90E-03	0.000563	2.72E-05	0.004786	1.85E-07	0.005376
2115	494761.06	3859651.99	0.28498	0.33879	0.34097	0.30038	5.19E-04	2.9E-05	0.00181	3.2E-07	0.00236	6.37E-04	3.53E-05	0.002215	1.79E-07	2.89E-03	0.000561	2.72E-05	0.00477	1.85E-07	0.005358
2116	494811.06	3859651.99	0.2821	0.33895	0.3411	0.29387	5.14E-04	2.9E-05	0.00181	3.1E-07	0.00236	6.30E-04	3.53E-05	0.002216	1.75E-07	2.88E-03	0.000556	2.72E-05	0.004772	1.81E-07	0.005355
2117	494861.06	3859651.99	0.28095	0.33951	0.33919	0.29387	5.12E-04	2.9E-05	0.0018	3.1E-07	0.00234	6.28E-04	3.54E-05	0.002203	1.75E-07	2.87E-03	0.000553	2.72E-05	0.004745	1.81E-07	0.005326
2118	494911.06	3859651.99	0.27907	0.33856	0.33663	0.29115	5.09E-04	2.9E-05	0.00179	3.1E-07	0.00233	6.23E-04	3.53E-05	0.002187	1.74E-07	2.85E-03	0.00055	2.72E-05	0.004709	1.8E-07	0.005286
2119	494961.06	3859651.99	0.27878	0.33607	0.3342	0.29006	5.08E-04	2.9E-05	0.00178	3.1E-07	0.00231	6.23E-04	3.5E-05	0.002171	1.73E-07	2.83E-03	0.000549	2.7E-05	0.004675	1.79E-07	0.005251
2120	495011.06	3859651.99	0.27864	0.33393	0.33009	0.28499	5.08E-04	2.8E-05	0.00175	3E-07	0.00229	6.22E-04	3.48E-05	0.002144	1.7E-07	2.80E-03	0.000549	2.68E-05	0.004618	1.76E-07	0.005193
2121	495061.06	3859651.99	0.27857	0.33293	0.32824	0.28216	5.08E-04	2.8E-05	0.00174	3E-07	0.00228	6.22E-04	3.47E-05	0.002132	1.68E-07	2.79E-03	0.000549	2.67E-05	0.004592	1.74E-07	0.005167
2122	495111.06	3859651.99	0.27639	0.32796	0.32743	0.27642	5.04E-04	2.8E-05	0.00174	2.9E-07	0.00227	6.17E-04	3.42E-05	0.002127	1.65E-07	2.78E-03	0.000544	2.63E-05	0.00458	1.7E-07	0.005151
2123	495161.06	3859651.99	0.27457	0.33027	0.32103	0.27356	5.00E-04	2.8E-05	0.00171	2.9E-07	0.00223	6.13E-04	3.44E-05	0.002085	1.63E-07	2.73E-03	0.000541	2.65E-05	0.004491	1.69E-07	0.005058
2124	495211.06	3859651.99	0.27294	0.33171	0.31898	0.26943	4.98E-04	2.8E-05	0.00169	2.9E-07	0.00222	6.10E-04	3.46E-05	0.002072	1.61E-07	2.72E-03	0.000538	2.66E-05	0.004462	1.66E-07	0.005027
2125	495261.06	3859651.99	0.26921	0.33365	0.31838	0.26362	4.91E-04	2.8E-05	0.00169	2.8E-07	0.00221	6.01E-04	3.48E-05	0.002068	1.57E-07	2.70E-03	0.00053	2.68E-05	0.004454	1.63E-07	0.005011
2126	495311.06	3859651.99	0.26589	0.33878	0.31794	0.26191	4.85E-04	2.9E-05	0.00169	2.8E-07	0.0022	5.94E-04	3.53E-05	0.002065	1.56E-07	2.69E-03	0.000524	2.72E-05	0.004448	1.61E-07	0.004999
2127	495361.06	3859651.99	0.26427	0.34099	0.31638	0.26119	4.82E-04	2.9E-05	0.00168	2.8E-07	0.00219	5.90E-04	3.56E-05	0.002055	1.56E-07	2.68E-03	0.00052	2.74E-05	0.004426	1.61E-07	0.004974
2128	495411.06	3859651.99	0.26223	0.34634	0.3134	0.25773	4.78E-04	2.9E-05	0.00167	2.7E-07	0.00217	5.86E-04	3.61E-05	0.002036	1.54E-07	2.66E-03	0.000516	2.78E-05	0.004384	1.59E-07	0.004929
2129	495461.06	3859651.99	0.26156	0.34651	0.31087	0.25201	4.77E-04	2.9E-05	0.00165	2.7E-07	0.00216	5.84E-04	3.61E-05	0.002019	1.5E-07	2.64E-03	0.000515	2.78E-05	0.004349	1.55E-07	0.004892
2130	495511.06	3859651.99	0.2611	0.34834	0.30864	0.24816	4.76E-04	3E-05	0.00164	2.6E-07	0.00215	5.83E-04	3.63E-05	0.002005	1.48E-07	2.62E-03	0.000514	2.79E-05	0.004318	1.53E-07	0.00486
2131	495561.06	3859651.99	0.26154	0.35076	0.30701	0.24725	4.77E-04	3E-05	0.00163	2.6E-07	0.00214	5.84E-04	3.66E-05	0.001994	1.48E-07	2.62E-03	0.000515	2.81E-05	0.004295	1.52E-07	0.004838

2132	495611.06	3859651.99	0.26098	0.34851	0.30511	0.24385	4.76E-04	3E-05	0.00162	2.6E-07	0.00213	5.83E-04	3.63E-05	0.001982	1.46E-07	2.60E-03	0.000514	2.8E-05	0.004268	1.5E-07	0.00481
2133	495661.06	3859651.99	0.26023	0.34363	0.30277	0.23917	4.74E-04	2.9E-05	0.00161	2.6E-07	0.00211	5.81E-04	3.58E-05	0.001967	1.43E-07	2.58E-03	0.000513	2.76E-05	0.004235	1.47E-07	0.004776
2134	494311.06	3859701.99	0.28942	0.38437	0.35519	0.32509	5.28E-04	3.3E-05	0.00189	3.5E-07	0.00245	6.46E-04	4.01E-05	0.002307	1.94E-07	2.99E-03	0.00057	3.08E-05	0.004969	2E-07	0.00557
2135	494361.06	3859701.99	0.2901	0.38205	0.35405	0.31988	5.29E-04	3.3E-05	0.00188	3.4E-07	0.00244	6.48E-04	3.98E-05	0.0023	1.91E-07	2.99E-03	0.000571	3.06E-05	0.004953	1.97E-07	0.005555
2136	494411.06	3859701.99	0.29104	0.37656	0.34827	0.32196	5.31E-04	3.2E-05	0.00185	3.4E-07	0.00241	6.50E-04	3.93E-05	0.002262	1.92E-07	2.95E-03	0.000573	3.02E-05	0.004872	1.99E-07	0.005476
2137	494461.06	3859701.99	0.29365	0.37213	0.34369	0.33164	5.35E-04	3.2E-05	0.00183	3.5E-07	0.00239	6.56E-04	3.88E-05	0.002232	1.98E-07	2.93E-03	0.000578	2.99E-05	0.004808	2.04E-07	0.005416
2138	494511.06	3859701.99	0.29427	0.36707	0.344	0.32952	5.36E-04	3.1E-05	0.00183	3.5E-07	0.0024	6.57E-04	3.83E-05	0.002234	1.97E-07	2.93E-03	0.00058	2.94E-05	0.004812	2.03E-07	0.005421
2139	494561.06	3859701.99	0.29522	0.36619	0.34374	0.32874	5.38E-04	3.1E-05	0.00183	3.5E-07	0.0024	6.59E-04	3.82E-05	0.002233	1.96E-07	2.93E-03	0.000581	2.94E-05	0.004809	2.03E-07	0.00542
2140	494611.06	3859701.99	0.29264	0.36413	0.34163	0.32454	5.33E-04	3.1E-05	0.00182	3.5E-07	0.00238	6.54E-04	3.8E-05	0.002219	1.94E-07	2.91E-03	0.000576	2.92E-05	0.004779	2E-07	0.005385
2141	494661.06	3859701.99	0.28942	0.35366	0.34277	0.3072	5.28E-04	3E-05	0.00182	3.3E-07	0.00238	6.46E-04	3.69E-05	0.002226	1.83E-07	2.91E-03	0.00057	2.84E-05	0.004795	1.89E-07	0.005394
2142	494711.06	3859701.99	0.28721	0.34859	0.3392	0.30982	5.24E-04	3E-05	0.0018	3.3E-07	0.00236	6.42E-04	3.63E-05	0.002203	1.85E-07	2.88E-03	0.000566	2.8E-05	0.004745	1.91E-07	0.005339
2143	494761.06	3859701.99	0.28338	0.33933	0.33811	0.3058	5.17E-04	2.9E-05	0.0018	3.3E-07	0.00234	6.33E-04	3.54E-05	0.002196	1.83E-07	2.86E-03	0.000558	2.72E-05	0.00473	1.89E-07	0.005315
2144	494811.06	3859701.99	0.28108	0.33385	0.33649	0.30158	5.12E-04	2.8E-05	0.00179	3.2E-07	0.00233	6.28E-04	3.48E-05	0.002186	1.8E-07	2.85E-03	0.000554	2.68E-05	0.004707	1.86E-07	0.005288
2145	494861.06	3859701.99	0.28065	0.33087	0.33451	0.30489	5.12E-04	2.8E-05	0.00178	3.3E-07	0.00232	6.27E-04	3.45E-05	0.002173	1.82E-07	2.83E-03	0.000553	2.65E-05	0.004679	1.88E-07	0.005259
2146	494911.06	3859701.99	0.27874	0.32765	0.3348	0.30134	5.08E-04	2.8E-05	0.00178	3.2E-07	0.00232	6.23E-04	3.42E-05	0.002175	1.8E-07	2.83E-03	0.000549	2.63E-05	0.004684	1.86E-07	0.005259
2147	494961.06	3859701.99	0.27753	0.32987	0.33546	0.29763	5.06E-04	2.8E-05	0.00178	3.2E-07	0.00232	6.20E-04	3.44E-05	0.002179	1.78E-07	2.83E-03	0.000547	2.65E-05	0.004693	1.84E-07	0.005266
2148	495011.06	3859701.99	0.27674	0.33269	0.33307	0.29696	5.04E-04	2.8E-05	0.00177	3.2E-07	0.0023	6.18E-04	3.47E-05	0.002163	1.77E-07	2.82E-03	0.000545	2.67E-05	0.004659	1.83E-07	0.005231
2149	495061.06	3859701.99	0.27592	0.33232	0.33053	0.29602	5.03E-04	2.8E-05	0.00176	3.2E-07	0.00229	6.16E-04	3.47E-05	0.002147	1.77E-07	2.80E-03	0.000543	2.67E-05	0.004624	1.83E-07	0.005194
2150	495111.06	3859701.99	0.27609	0.33117	0.32635	0.29398	5.03E-04	2.8E-05	0.00173	3.1E-07	0.00227	6.17E-04	3.45E-05	0.00212	1.75E-07	2.77E-03	0.000544	2.66E-05	0.004565	1.81E-07	0.005136
2151	495161.06	3859701.99	0.27514	0.32832	0.3228	0.28874	5.02E-04	2.8E-05	0.00172	3.1E-07	0.00224	6.15E-04	3.42E-05	0.002097	1.72E-07	2.75E-03	0.000542	2.63E-05	0.004516	1.78E-07	0.005084
2152	495211.06	3859701.99	0.27356	0.32705	0.32197	0.28244	4.99E-04	2.8E-05	0.00171	3E-07	0.00224	6.11E-04	3.41E-05	0.002091	1.69E-07	2.74E-03	0.000539	2.62E-05	0.004504	1.74E-07	0.005069
2153	495261.06	3859701.99	0.27252	0.32469	0.31853	0.28349	4.97E-04	2.8E-05	0.00169	3E-07	0.00222	6.09E-04	3.39E-05	0.002069	1.69E-07	2.71E-03	0.000537	2.6E-05	0.004456	1.75E-07	0.005019
2154	495311.06	3859701.99	0.27058	0.32461	0.31431	0.27697	4.93E-04	2.8E-05	0.00167	3E-07	0.00219	6.04E-04	3.38E-05	0.002042	1.65E-07	2.68E-03	0.000533	2.6E-05	0.004397	1.71E-07	0.004956
2155	495361.06	3859701.99	0.26713	0.32858	0.31387	0.27026	4.87E-04	2.8E-05	0.00167	2.9E-07	0.00218	5.97E-04	3.43E-05	0.002039	1.61E-07	2.67E-03	0.000526	2.64E-05	0.004391	1.67E-07	0.004943
2156	495411.06	3859701.99	0.26338	0.32714	0.31325	0.26356	4.80E-04	2.8E-05	0.00166	2.8E-07	0.00217	5.88E-04	3.41E-05	0.002035	1.57E-07	2.66E-03	0.000519	2.62E-05	0.004382	1.63E-07	0.004927
2157	495461.06	3859701.99	0.26069	0.32683	0.31263	0.26048	4.75E-04	2.8E-05	0.00166	2.8E-07	0.00216	5.82E-04	3.41E-05	0.002031	1.55E-07	2.65E-03	0.000513	2.62E-05	0.004373	1.61E-07	0.004913
2158	495511.06	3859701.99	0.25759	0.32772	0.30911	0.25254	4.70E-04	2.8E-05	0.00164	2.7E-07	0.00214	5.75E-04	3.42E-05	0.002008	1.51E-07	2.62E-03	0.000507	2.63E-05	0.004324	1.56E-07	0.004858
2159	495561.06	3859701.99	0.25784	0.33498	0.30771	0.25383	4.70E-04	2.9E-05	0.00163	2.7E-07	0.00213	5.76E-04	3.49E-05	0.001999	1.51E-07	2.61E-03	0.000508	2.69E-05	0.004305	1.57E-07	0.004839
2160	495611.06	3859701.99	0.2584	0.33872	0.30601	0.25113	4.71E-04	2.9E-05	0.00163	2.7E-07	0.00213	5.77E-04	3.53E-05	0.001988	1.5E-07	2.60E-03	0.000509	2.72E-05	0.004281	1.55E-07	0.004817
2161	495661.06	3859701.99	0.25825	0.33997	0.30442	0.24796	4.71E-04	2.9E-05	0.00162	2.6E-07	0.00212	5.77E-04	3.55E-05	0.001977	1.48E-07	2.59E-03	0.000509	2.73E-05	0.004259	1.53E-07	0.004795
2162	494311.06	3859751.99	0.28724	0.39437	0.34465	0.33445	5.24E-04	3.4E-05	0.00183	3.6E-07	0.00239	6.42E-04	4.11E-05	0.002239	2E-07	2.92E-03	0.000566	3.16E-05	0.004821	2.06E-07	0.005419
2163	494361.06	3859751.99	0.28454	0.38957	0.34502	0.33261	5.19E-04	3.3E-05	0.00183	3.5E-07	0.00239	6.36E-04	4.06E-05	0.002241	1.99E-07	2.92E-03	0.00056	3.13E-05	0.004826	2.05E-07	0.005418
2164	494411.06	3859751.99	0.28357	0.38305	0.34745	0.32865	5.17E-04	3.3E-05	0.00185	3.5E-07	0.0024	6.33E-04	3.99E-05	0.002257	1.96E-07	2.93E-03	0.000558	3.07E-05	0.00486	2.03E-07	0.00545
2165	494461.06	3859751.99	0.28523	0.37979	0.34149	0.33236	5.20E-04	3.2E-05	0.00181	3.5E-07	0.00237	6.37E-04	3.96E-05	0.002218	1.98E-07	2.90E-03	0.000562	3.05E-05	0.004777	2.05E-07	0.00537
2166	494511.06	3859751.99	0.28683	0.37308	0.3348	0.33574	5.23E-04	3.2E-05	0.00178	3.6E-07	0.00233	6.41E-04	3.89E-05	0.002175	2E-07	2.85E-03	0.000565	2.99E-05	0.004684	2.07E-07	0.005279
2167	494561.06	3859751.99	0.28763	0.36656	0.33439	0.33461	5.24E-04	3.1E-05	0.00178	3.6E-07	0.00233	6.42E-04	3.82E-05	0.002172	2E-07	2.85E-03	0.000566	2.94E-05	0.004678	2.06E-07	0.005274
2168	494611.06	3859751.99	0.28828	0.36226	0.33495	0.33029	5.25E-04	3.1E-05	0.00178	3.5E-07	0.00234	6.44E-04	3.78E-05	0.002176	1.97E-07	2.86E-03	0.000568	2.91E-05	0.004686	2.04E-07	0.005283
2169	494661.06	3859751.99	0.28722	0.35771	0.33869	0.31946	5.24E-04	3E-05	0.0018	3.4E-07	0.00235	6.42E-04	3.73E-05	0.0022	1.91E-07	2.88E-03	0.000566	2.87E-05	0.004738	1.97E-07	0.005332
2170	494711.06	3859751.99	0.28704	0.35403	0.33561	0.32152	5.23E-04	3E-05	0.00178	3.4E-07	0.00234	6.41E-04	3.69E-05	0.00218	1.92E-07	2.86E-03	0.000565	2.84E-05	0.004695	1.98E-07	0.005289
2171	494761.06	3859751.99	0.28578	0.35219	0.3352	0.31864	5.21E-04	3E-05	0.00178	3.4E-07	0.00233	6.38E-04	3.67E-05	0.002177	1.9E-07	2.85E-03	0.000563	2.83E-05	0.004689	1.96E-07	0.00528
2172	494811.06	3859751.99	0.28292	0.34698	0.3344	0.31326	5.16E-04	3E-05	0.00178	3.3E-07	0.00232	6.32E-04	3.62E-05	0.002172	1.87E-07	2.84E-03	0.000557	2.78E-05	0.004678	1.93E-07	0.005263
2173	494861.06	3859751.99	0.27972	0.34242	0.33102	0.31117	5.10E-04	2.9E-05	0.00176	3.3E-07	0.0023	6.25E-04	3.57E-05	0.00215	1.86E-07	2.81E-03	0.000551	2.75E-05	0.004631	1.92E-07	0.005209
2174	494911.06	3859751.99	0.27666	0.33416	0.33007	0.3092	5.04E-04	2.8E-05	0.00175	3.3E-07	0.00229	6.18E-04	3.48E-05	0.002144	1.85E-07	2.80E-03	0.000545	2.68E-05	0.004617	1.91E-07	0.005189
2175	494961.06	3859751.99	0.27605	0.32762	0.3275	0.30765	5.03E-04	2.8E-05	0.00174	3.3E-07	0.00227	6.17E-04	3.42E-05	0.002127	1.84E-07	2.78E-03	0.000544	2.63E-05	0.004581	1.9E-07	0.005152
2176	495011.06	3859751.99	0.27497	0.32328	0.32753	0.30783	5.01E-04	2.8E-05	0.00174	3.3E-07	0.00227	6.14E-04	3.37E-05	0.002127	1.84E-07	2.78E-03	0.000542	2.59E-05	0.004582	1.9E-07	0.005149
2177	495061.06	3859751.99	0.27499	0.32137	0.32778	0.30899	5.01E-04	2.7E-05	0.00174	3.3E-07	0.00227	6.14E-04	3.35E-05	0.002129	1.84E-07	2.78E-03	0.000542	2.58E-05	0.004585	1.91E-07	0.005153
2178	495111.06	3859751.99	0.27398	0.32577	0.32754	0.30718	4.99E-04	2.8E-05	0.00174	3.3E-07	0.00227	6.12E-04	3.4E-05	0.002127	1.83E-07	2.77E-03	0.00054	2.61E-05	0.004582	1.89E-07	0.005148
2179	495161.06	3859751.99	0.27271	0.32842	0.32562	0.30277	4.97E-04	2.8E-05	0.00173	3.2E-07	0.00226	6.09E-04	3.42E-05	0.002115	1.81E-07	2.76E-03	0.000537	2.63E-05	0.004555	1.87E-07	0.005119
2180	495211.06	3859751.99	0.27239	0.32677	0.3236	0.29858	4.97E-04	2.8E-05	0.00172	3.2E-07	0.00224	6.08E-04	3.41E-05	0.002102	1.78E-07	2.74E-03	0.000536	2.62E-05	0.004527	1.84E-07	0.00509
2181	495261.06	3859751.99	0.27208	0.32408	0.31804	0.29772	4.96E-04	2.8E-05	0.00169	3.2E-07	0.00221	6.08E-04	3.38E-05	0.002066	1.78E-07	2.71E-03	0.000536	2.6E-05	0.004449	1.84E-07	0.005011
2182	495311.06	3859751.99	0.27075	0.3231	0.31542	0.29266	4.94E-04	2.7E-05	0.00168	3.1E-07	0.0022	6.05E-04	3.37E-05	0.002049	1.75E-07	2.69E-03	0.000533	2.59E-05	0.004412	1.8E-07	0.004972
2183	495361.06	3859751.99	0.2691	0.3209	0.31343	0.2885	4.91E-04	2.7E-05	0.00167	3.1E-07	0.00218	6.01E-04	3.35E-05	0.002036	1.72E-07	2.67E-03	0.00053	2.57E-05	0.004385	1.78E-07	0.00494
2184	495411.06	3859751.99	0.26745	0.31957	0.31011	0.2838	4.88E-04	2.7E-05	0.00165	3E-07	0.00216	5.97E-04	3.33E-05	0.002014	1.69E-07	2.65E-03	0.000527	2.56E-05	0.004338	1.75E-07	0.004891
2185	495461.06	3859751.99	0.26438	0.31811	0.30904	0.27422	4.82E-04	2.7E-05	0.00164	2.9E-07	0.00215	5.91E-04	3.32E-05	0.002007	1.64E-07	2.63E-03	0.000521	2.55E-05	0.004323	1.69E-07	0.00487
2186	495511.06	3859751.99	0.26071	0.32197	0.30846	0.26611	4.75E-04	2.7E-05	0.00164	2.8E-07	0.00214	5.82E-04	3.36E-05	0.002004	1.59E-07	2.62E-03	0.000513	2.58E-05	0.004315	1.64E-07	0.004854
2187	495561.06	3859751.99	0.2581	0.32257	0.30831	0.26165	4.70E-04	2.7E-05	0.00164	2.8E-07	0.00214	5.77E-04	3.36E-05	0.002003	1.56E-07	2.61E-03	0.000508	2.59E-05	0.004313	1.61E-07	0.004847
2188	495611.06	3859751.99	0.25578	0.31914	0.30712	0.25862	4.66E-04	2.7E-05	0.00163	2.8E-07	0.00213	5.71E-04	3.33E-05	0.001995	1.54E-07	2.60E-03	0.000504	2.56E-05	0.004296	1.59E-07	0.004826
2189	495661.06	3859751.99	0.25476	0.3223	0.30484	0.25754	4.64E-04	2.7E-05	0.00162	2.7E-07	0.00211	5.69E-04	3.36E-05	0.00198	1.54E-07	2.58E-03	0.000502	2.59E-05	0.004264	1.59E-07	0.004792
2190	494311.06	3859801.99	0.28685	0.39821	0.33168	0.34627	5.23E-04	3.4E-05	0.00176	3.7E-07	0.00232	6.41E-04	4.15E-05	0.002154	2.07E-07	2.84E-03	0.000565	3.19E-05	0.00464	2.13E-07	0.005237
2191	494361.06	3859801.99	0.28554	0.39222	0.33515	0.33738	5.20E-04	3.3E-05	0.00178	3.6E-07	0.00233	6.38E-04	4.09E-05	0.002177	2.01E-07	2.86E-03	0.000562	3.15E-05	0.004688	2.08E-07	0.005282
2192	494411.06	3859801.99	0.28234	0.38855	0.33767	0.33026	5.15E-04	3.3E-05	0.00179	3.5E-07	0.00234	6.31E-04	4.05E-05	0.002193	1.97E-07	2.86E-03	0.000556	3.12E-05	0.004724	2.04E-07	0.005311

2193	494461.06	3859801.99	0.27838	0.38257	0.33391	0.33336	5.07E-04	3.3E-05	0.00177	3.6E-07	0.00231	6.22E-04	3.99E-05	0.002169	1.99E-07	2.83E-03	0.000548	3.07E-05	0.004671	2.06E-07	0.00525
2194	494511.06	3859801.99	0.278	0.38234	0.33093	0.33948	5.07E-04	3.3E-05	0.00176	3.6E-07	0.0023	6.21E-04	3.99E-05	0.002149	2.03E-07	2.81E-03	0.000548	3.07E-05	0.004629	2.09E-07	0.005208
2195	494561.06	3859801.99	0.27921	0.37767	0.33032	0.33778	5.09E-04	3.2E-05	0.00176	3.6E-07	0.0023	6.24E-04	3.94E-05	0.002146	2.02E-07	2.81E-03	0.00055	3.03E-05	0.004621	2.08E-07	0.005201
2196	494611.06	3859801.99	0.28009	0.36969	0.33094	0.32916	5.11E-04	3.1E-05	0.00176	3.5E-07	0.0023	6.26E-04	3.86E-05	0.00215	1.96E-07	2.81E-03	0.000552	2.97E-05	0.00463	2.03E-07	0.005211
2197	494661.06	3859801.99	0.28109	0.36306	0.32959	0.3274	5.12E-04	3.1E-05	0.00175	3.5E-07	0.00229	6.28E-04	3.79E-05	0.002141	1.95E-07	2.81E-03	0.000554	2.91E-05	0.004611	2.02E-07	0.005194
2198	494711.06	3859801.99	0.28143	0.35903	0.33049	0.32297	5.13E-04	3.1E-05	0.00176	3.4E-07	0.0023	6.29E-04	3.74E-05	0.002147	1.93E-07	2.81E-03	0.000554	2.88E-05	0.004623	1.99E-07	0.005206
2199	494761.06	3859801.99	0.28305	0.35222	0.32604	0.32839	5.16E-04	3E-05	0.00173	3.5E-07	0.00228	6.32E-04	3.67E-05	0.002118	1.96E-07	2.79E-03	0.000557	2.83E-05	0.004561	2.02E-07	0.005147
2200	494811.06	3859801.99	0.28159	0.3471	0.32742	0.32581	5.13E-04	3E-05	0.00174	3.5E-07	0.00228	6.29E-04	3.62E-05	0.002127	1.94E-07	2.79E-03	0.000555	2.78E-05	0.00458	2.01E-07	0.005163
2201	494861.06	3859801.99	0.27981	0.3432	0.32616	0.32343	5.10E-04	2.9E-05	0.00173	3.5E-07	0.00227	6.25E-04	3.58E-05	0.002119	1.93E-07	2.78E-03	0.000551	2.75E-05	0.004563	1.99E-07	0.005141
2202	494911.06	3859801.99	0.27805	0.34187	0.32753	0.31771	5.07E-04	2.9E-05	0.00174	3.4E-07	0.00228	6.21E-04	3.56E-05	0.002127	1.9E-07	2.78E-03	0.000548	2.74E-05	0.004582	1.96E-07	0.005157
2203	494961.06	3859801.99	0.27521	0.34159	0.325	0.31459	5.02E-04	2.9E-05	0.00173	3.4E-07	0.00226	6.15E-04	3.56E-05	0.002111	1.88E-07	2.76E-03	0.000542	2.74E-05	0.004546	1.94E-07	0.005116
2204	495011.06	3859801.99	0.2723	0.33718	0.32353	0.31151	4.96E-04	2.9E-05	0.00172	3.3E-07	0.00224	6.08E-04	3.52E-05	0.002101	1.86E-07	2.75E-03	0.000536	2.7E-05	0.004526	1.92E-07	0.005089
2205	495061.06	3859801.99	0.27093	0.3296	0.32112	0.30865	4.94E-04	2.8E-05	0.00171	3.3E-07	0.00223	6.05E-04	3.44E-05	0.002086	1.84E-07	2.73E-03	0.000534	2.64E-05	0.004492	1.9E-07	0.005052
2206	495111.06	3859801.99	0.27026	0.32214	0.31912	0.30722	4.93E-04	2.7E-05	0.0017	3.3E-07	0.00222	6.04E-04	3.36E-05	0.002073	1.83E-07	2.71E-03	0.000532	2.58E-05	0.004464	1.89E-07	0.005022
2207	495161.06	3859801.99	0.26993	0.31701	0.32009	0.306	4.92E-04	2.7E-05	0.0017	3.3E-07	0.00222	6.03E-04	3.31E-05	0.002079	1.83E-07	2.72E-03	0.000532	2.54E-05	0.004478	1.89E-07	0.005035
2208	495211.06	3859801.99	0.26972	0.31653	0.3206	0.30678	4.92E-04	2.7E-05	0.0017	3.3E-07	0.00222	6.02E-04	3.3E-05	0.002082	1.83E-07	2.72E-03	0.000531	2.54E-05	0.004485	1.89E-07	0.005042
2209	495261.06	3859801.99	0.26856	0.31948	0.32019	0.30526	4.90E-04	2.7E-05	0.0017	3.3E-07	0.00222	6.00E-04	3.33E-05	0.00208	1.82E-07	2.71E-03	0.000529	2.56E-05	0.004479	1.88E-07	0.005034
2210	495311.06	3859801.99	0.26821	0.32183	0.31838	0.3036	4.89E-04	2.7E-05	0.00169	3.2E-07	0.00221	5.99E-04	3.36E-05	0.002068	1.81E-07	2.70E-03	0.000528	2.58E-05	0.004454	1.87E-07	0.005008
2211	495361.06	3859801.99	0.26756	0.31888	0.31493	0.29904	4.88E-04	2.7E-05	0.00167	3.2E-07	0.00219	5.98E-04	3.33E-05	0.002046	1.78E-07	2.68E-03	0.000527	2.56E-05	0.004406	1.84E-07	0.004958
2212	495411.06	3859801.99	0.26664	0.31692	0.30962	0.29488	4.86E-04	2.7E-05	0.00165	3.1E-07	0.00216	5.96E-04	3.3E-05	0.002011	1.76E-07	2.64E-03	0.000525	2.54E-05	0.004331	1.82E-07	0.004882
2213	495461.06	3859801.99	0.26513	0.31685	0.30717	0.28955	4.83E-04	2.7E-05	0.00163	3.1E-07	0.00214	5.92E-04	3.3E-05	0.001995	1.73E-07	2.62E-03	0.000522	2.54E-05	0.004297	1.79E-07	0.004845
2214	495511.06	3859801.99	0.26318	0.31588	0.30581	0.28195	4.80E-04	2.7E-05	0.00162	3E-07	0.00213	5.88E-04	3.29E-05	0.001986	1.68E-07	2.61E-03	0.000518	2.53E-05	0.004278	1.74E-07	0.004822
2215	495561.06	3859801.99	0.26126	0.31499	0.30329	0.27816	4.76E-04	2.7E-05	0.00161	3E-07	0.00211	5.84E-04	3.28E-05	0.00197	1.66E-07	2.59E-03	0.000515	2.53E-05	0.004243	1.72E-07	0.004783
2216	495611.06	3859801.99	0.25818	0.31264	0.30406	0.27517	4.71E-04	2.7E-05	0.00162	2.9E-07	0.00211	5.77E-04	3.26E-05	0.001975	1.64E-07	2.58E-03	0.000508	2.51E-05	0.004253	1.7E-07	0.004787
2217	495661.06	3859801.99	0.25565	0.31238	0.30254	0.26802	4.66E-04	2.7E-05	0.00161	2.9E-07	0.0021	5.71E-04	3.26E-05	0.001965	1.6E-07	2.57E-03	0.000503	2.51E-05	0.004232	1.65E-07	0.004761
2218	494311.06	3859851.99	0.28126	0.39162	0.32229	0.35872	5.13E-04	3.3E-05	0.00171	3.8E-07	0.00226	6.28E-04	4.08E-05	0.002093	2.14E-07	2.76E-03	0.000554	3.14E-05	0.004509	2.21E-07	0.005094
2219	494361.06	3859851.99	0.28127	0.39178	0.32064	0.35127	5.13E-04	3.3E-05	0.0017	3.7E-07	0.00225	6.28E-04	4.09E-05	0.002083	2.1E-07	2.75E-03	0.000554	3.14E-05	0.004485	2.17E-07	0.005071
2220	494411.06	3859851.99	0.2814	0.39053	0.32519	0.34367	5.13E-04	3.3E-05	0.00173	3.7E-07	0.00227	6.29E-04	4.07E-05	0.002112	2.05E-07	2.78E-03	0.000554	3.13E-05	0.004549	2.12E-07	0.005135
2221	494461.06	3859851.99	0.27986	0.38823	0.32672	0.33827	5.10E-04	3.3E-05	0.00174	3.6E-07	0.00228	6.25E-04	4.05E-05	0.002122	2.02E-07	2.79E-03	0.000551	3.11E-05	0.00457	2.09E-07	0.005153
2222	494511.06	3859851.99	0.27511	0.38299	0.32372	0.33927	5.01E-04	3.3E-05	0.00172	3.6E-07	0.00225	6.15E-04	3.99E-05	0.002103	2.02E-07	2.76E-03	0.000542	3.07E-05	0.004529	2.09E-07	0.005101
2223	494561.06	3859851.99	0.27146	0.37869	0.31906	0.34182	4.95E-04	3.2E-05	0.0017	3.6E-07	0.00222	6.06E-04	3.95E-05	0.002072	2.04E-07	2.72E-03	0.000535	3.04E-05	0.004463	2.11E-07	0.005029
2224	494611.06	3859851.99	0.27159	0.37079	0.32641	0.33024	4.95E-04	3.2E-05	0.00173	3.5E-07	0.00226	6.07E-04	3.87E-05	0.00212	1.97E-07	2.77E-03	0.000535	2.97E-05	0.004566	2.04E-07	0.005131
2225	494661.06	3859851.99	0.27255	0.37255	0.32497	0.33105	4.97E-04	3.2E-05	0.00173	3.5E-07	0.00226	6.09E-04	3.88E-05	0.002111	1.98E-07	2.76E-03	0.000537	2.99E-05	0.004546	2.04E-07	0.005113
2226	494711.06	3859851.99	0.27369	0.36618	0.32481	0.32701	4.99E-04	3.1E-05	0.00173	3.5E-07	0.00226	6.11E-04	3.82E-05	0.00211	1.95E-07	2.76E-03	0.000539	2.94E-05	0.004544	2.02E-07	0.005112
2227	494761.06	3859851.99	0.27446	0.36025	0.31829	0.33155	5.00E-04	3.1E-05	0.00169	3.5E-07	0.00222	6.13E-04	3.76E-05	0.002067	1.98E-07	2.72E-03	0.000541	2.89E-05	0.004453	2.04E-07	0.005022
2228	494811.06	3859851.99	0.2757	0.35476	0.31834	0.32962	5.03E-04	3E-05	0.00169	3.5E-07	0.00222	6.16E-04	3.7E-05	0.002068	1.97E-07	2.72E-03	0.000543	2.85E-05	0.004453	2.03E-07	0.005025
2229	494861.06	3859851.99	0.27563	0.34842	0.31639	0.33085	5.02E-04	3E-05	0.00168	3.5E-07	0.00221	6.16E-04	3.63E-05	0.002055	1.97E-07	2.71E-03	0.000543	2.79E-05	0.004426	2.04E-07	0.004997
2230	494911.06	3859851.99	0.27544	0.34289	0.31656	0.32766	5.02E-04	2.9E-05	0.00168	3.5E-07	0.00221	6.15E-04	3.58E-05	0.002056	1.96E-07	2.71E-03	0.000542	2.75E-05	0.004428	2.02E-07	0.004999
2231	494961.06	3859851.99	0.27403	0.33686	0.31619	0.32591	5.00E-04	2.9E-05	0.00168	3.5E-07	0.00221	6.12E-04	3.51E-05	0.002054	1.95E-07	2.70E-03	0.00054	2.7E-05	0.004423	2.01E-07	0.00499
2232	495011.06	3859851.99	0.27175	0.33443	0.31722	0.32263	4.95E-04	2.8E-05	0.00169	3.4E-07	0.00221	6.07E-04	3.49E-05	0.00206	1.93E-07	2.70E-03	0.000535	2.68E-05	0.004438	1.99E-07	0.005
2233	495061.06	3859851.99	0.26995	0.33155	0.3158	0.31967	4.92E-04	2.8E-05	0.00168	3.4E-07	0.0022	6.03E-04	3.46E-05	0.002051	1.91E-07	2.69E-03	0.000532	2.66E-05	0.004418	1.97E-07	0.004976
2234	495111.06	3859851.99	0.26749	0.33285	0.31539	0.31542	4.88E-04	2.8E-05	0.00168	3.4E-07	0.00219	5.98E-04	3.47E-05	0.002049	1.88E-07	2.68E-03	0.000527	2.67E-05	0.004412	1.94E-07	0.004966
2235	495161.06	3859851.99	0.26567	0.33187	0.31484	0.31099	4.84E-04	2.8E-05	0.00167	3.3E-07	0.00219	5.93E-04	3.46E-05	0.002045	1.86E-07	2.67E-03	0.000523	2.66E-05	0.004404	1.92E-07	0.004954
2236	495211.06	3859851.99	0.26542	0.32385	0.31228	0.308	4.84E-04	2.8E-05	0.00166	3.3E-07	0.00217	5.93E-04	3.38E-05	0.002028	1.84E-07	2.66E-03	0.000523	2.6E-05	0.004368	1.9E-07	0.004917
2237	495261.06	3859851.99	0.26497	0.3197	0.31126	0.30662	4.83E-04	2.7E-05	0.00165	3.3E-07	0.00216	5.92E-04	3.33E-05	0.002022	1.83E-07	2.65E-03	0.000522	2.56E-05	0.004354	1.89E-07	0.004902
2238	495311.06	3859851.99	0.26538	0.31192	0.31218	0.30657	4.84E-04	2.7E-05	0.00166	3.3E-07	0.00217	5.93E-04	3.25E-05	0.002028	1.83E-07	2.65E-03	0.000523	2.5E-05	0.004367	1.89E-07	0.004915
2239	495361.06	3859851.99	0.26466	0.3096	0.31291	0.30581	4.82E-04	2.6E-05	0.00166	3.3E-07	0.00217	5.91E-04	3.23E-05	0.002032	1.83E-07	2.66E-03	0.000521	2.48E-05	0.004377	1.89E-07	0.004924
2240	495411.06	3859851.99	0.26333	0.3126	0.31244	0.30208	4.80E-04	2.7E-05	0.00166	3.2E-07	0.00217	5.88E-04	3.26E-05	0.002029	1.8E-07	2.65E-03	0.000519	2.51E-05	0.004371	1.86E-07	0.004915
2241	495461.06	3859851.99	0.26265	0.31456	0.31141	0.2991	4.79E-04	2.7E-05	0.00165	3.2E-07	0.00216	5.87E-04	3.28E-05	0.002023	1.79E-07	2.64E-03	0.000517	2.52E-05	0.004356	1.84E-07	0.004899
2242	495511.06	3859851.99	0.2618	0.3104	0.30623	0.29539	4.77E-04	2.6E-05	0.00163	3.2E-07	0.00213	5.85E-04	3.24E-05	0.001989	1.76E-07	2.61E-03	0.000516	2.49E-05	0.004284	1.82E-07	0.004825
2243	495561.06	3859851.99	0.26111	0.30935	0.3018	0.29347	4.76E-04	2.6E-05	0.0016	3.1E-07	0.00211	5.83E-04	3.23E-05	0.00196	1.75E-07	2.58E-03	0.000514	2.48E-05	0.004222	1.81E-07	0.004761
2244	495611.06	3859851.99	0.25981	0.31038	0.29936	0.28833	4.74E-04	2.6E-05	0.00159	3.1E-07	0.00209	5.80E-04	3.24E-05	0.001944	1.72E-07	2.56E-03	0.000512	2.49E-05	0.004188	1.78E-07	0.004725
2245	495661.06	3859851.99	0.25806	0.31233	0.29881	0.28085	4.70E-04	2.7E-05	0.00159	3E-07	0.00208	5.76E-04	3.26E-05	0.001941	1.68E-07	2.55E-03	0.000508	2.51E-05	0.00418	1.73E-07	0.004714
2246	494311.06	3859901.99	0.27686	0.3821	0.32337	0.36027	5.05E-04	3.3E-05	0.00172	3.8E-07	0.00226	6.18E-04	3.98E-05	0.0021	2.15E-07	2.76E-03	0.000545	3.07E-05	0.004524	2.22E-07	0.0051
2247	494361.06	3859901.99	0.27711	0.38305	0.3231	0.35447	5.05E-04	3.3E-05	0.00172	3.8E-07	0.00225	6.19E-04	3.99E-05	0.002099	2.12E-07	2.76E-03	0.000546	3.07E-05	0.00452	2.19E-07	0.005097
2248	494411.06	3859901.99	0.27518	0.38228	0.31703	0.35529	5.02E-04	3.3E-05	0.00168	3.8E-07	0.00222	6.15E-04	3.99E-05	0.002059	2.12E-07	2.71E-03	0.000542	3.07E-05	0.004435	2.19E-07	0.005008
2249	494461.06	3859901.99	0.27478	0.38169	0.31286	0.35144	5.01E-04	3.2E-05	0.00166	3.7E-07	0.0022	6.14E-04	3.98E-05	0.002032	2.1E-07	2.69E-03	0.000541	3.06E-05	0.004377	2.17E-07	0.004949
2250	494511.06	3859901.99	0.27348	0.3776	0.31317	0.34849	4.99E-04	3.2E-05	0.00166	3.7E-07	0.00219	6.11E-04	3.94E-05	0.002034	2.08E-07	2.68E-03	0.000539	3.03E-05	0.004381	2.15E-07	0.00495
2251	494561.06	3859901.99	0.27072	0.37119	0.3102	0.35058	4.93E-04	3.2E-05	0.00165	3.7E-07	0.00217	6.05E-04	3.87E-05	0.002015	2.09E-07	2.66E-03	0.000533	2.98E-05	0.004339	2.16E-07	0.004903
2252	494611.06	3859901.99	0.2698	0.37532	0.31614	0.33883	4.92E-04	3.2E-05	0.00168	3.6E-07	0.0022	6.03E-04	3.91E-05	0.002053	2.02E-07	2.70E-03	0.000531	3.01E-05	0.004422	2.09E-07	0.004984
2253	494661.06	3859901.99	0.26509	0.37019	0.30994	0.34212	4.83E-04	3.2E-05	0.00165	3.6E-07	0.00216	5.92E-04	3.86E-05	0.002013	2.04E-07	2.64E-03	0.000522	2.97E-05	0.004336	2.11E-07	0.004888

2254	494711.06	3859901.99	0.26561	0.36866	0.31669	0.33102	4.84E-04	3.1E-05	0.00168	3.5E-07	0.0022	5.93E-04	3.84E-05	0.002057	1.98E-07	2.69E-03	0.000523	2.96E-05	0.00443	2.04E-07	0.004983
2255	494761.06	3859901.99	0.26602	0.36633	0.31561	0.33049	4.85E-04	3.1E-05	0.00168	3.5E-07	0.00219	5.94E-04	3.82E-05	0.00205	1.97E-07	2.68E-03	0.000524	2.94E-05	0.004415	2.04E-07	0.004969
2256	494811.06	3859901.99	0.26684	0.36198	0.3113	0.33382	4.86E-04	3.1E-05	0.00165	3.6E-07	0.00217	5.96E-04	3.77E-05	0.002022	1.99E-07	2.66E-03	0.000526	2.9E-05	0.004355	2.06E-07	0.00491
2257	494861.06	3859901.99	0.26778	0.35693	0.30703	0.33362	4.88E-04	3E-05	0.00163	3.6E-07	0.00215	5.98E-04	3.72E-05	0.001994	1.99E-07	2.63E-03	0.000527	2.86E-05	0.004295	2.06E-07	0.004851
2258	494911.06	3859901.99	0.26844	0.35231	0.30824	0.3311	4.89E-04	3E-05	0.00164	3.5E-07	0.00216	6.00E-04	3.67E-05	0.002002	1.98E-07	2.64E-03	0.000529	2.83E-05	0.004312	2.04E-07	0.004869
2259	494961.06	3859901.99	0.26783	0.34543	0.30712	0.33015	4.88E-04	2.9E-05	0.00163	3.5E-07	0.00215	5.98E-04	3.6E-05	0.001995	1.97E-07	2.63E-03	0.000527	2.77E-05	0.004296	2.04E-07	0.004852
2260	495011.06	3859901.99	0.26796	0.3405	0.30702	0.32844	4.88E-04	2.9E-05	0.00163	3.5E-07	0.00215	5.99E-04	3.55E-05	0.001994	1.96E-07	2.63E-03	0.000528	2.73E-05	0.004295	2.03E-07	0.00485
2261	495061.06	3859901.99	0.26767	0.33618	0.306	0.32697	4.88E-04	2.9E-05	0.00163	3.5E-07	0.00214	5.98E-04	3.51E-05	0.001988	1.95E-07	2.62E-03	0.000527	2.7E-05	0.004281	2.02E-07	0.004835
2262	495111.06	3859901.99	0.2661	0.32733	0.30817	0.3235	4.85E-04	2.8E-05	0.00164	3.5E-07	0.00215	5.94E-04	3.41E-05	0.002002	1.93E-07	2.63E-03	0.000524	2.63E-05	0.004311	1.99E-07	0.004862
2263	495161.06	3859901.99	0.26487	0.32491	0.30962	0.31885	4.83E-04	2.8E-05	0.00165	3.4E-07	0.00216	5.92E-04	3.39E-05	0.002011	1.9E-07	2.64E-03	0.000522	2.61E-05	0.004331	1.97E-07	0.004879
2264	495211.06	3859901.99	0.26237	0.32208	0.30735	0.31706	4.78E-04	2.7E-05	0.00163	3.4E-07	0.00214	5.86E-04	3.36E-05	0.001996	1.89E-07	2.62E-03	0.000517	2.58E-05	0.0043	1.95E-07	0.004842
2265	495261.06	3859901.99	0.26074	0.32405	0.30812	0.31049	4.75E-04	2.8E-05	0.00164	3.3E-07	0.00214	5.82E-04	3.38E-05	0.002001	1.85E-07	2.62E-03	0.000514	2.6E-05	0.00431	1.91E-07	0.00485
2266	495311.06	3859901.99	0.25948	0.32467	0.30581	0.30792	4.73E-04	2.8E-05	0.00162	3.3E-07	0.00213	5.80E-04	3.39E-05	0.001986	1.84E-07	2.60E-03	0.000511	2.6E-05	0.004278	1.9E-07	0.004815
2267	495361.06	3859901.99	0.25931	0.31872	0.3041	0.30593	4.73E-04	2.7E-05	0.00162	3.3E-07	0.00212	5.79E-04	3.32E-05	0.001975	1.83E-07	2.59E-03	0.000511	2.56E-05	0.004254	1.89E-07	0.004791
2268	495411.06	3859901.99	0.25991	0.312	0.30429	0.30292	4.74E-04	2.7E-05	0.00162	3.2E-07	0.00212	5.81E-04	3.25E-05	0.001976	1.81E-07	2.59E-03	0.000512	2.5E-05	0.004257	1.87E-07	0.004794
2269	495461.06	3859901.99	0.25973	0.30401	0.30558	0.30156	4.73E-04	2.6E-05	0.00162	3.2E-07	0.00212	5.80E-04	3.17E-05	0.001985	1.8E-07	2.60E-03	0.000512	2.44E-05	0.004275	1.86E-07	0.004811
2270	495511.06	3859901.99	0.25843	0.30246	0.3063	0.30173	4.71E-04	2.6E-05	0.00163	3.2E-07	0.00212	5.77E-04	3.15E-05	0.00199	1.8E-07	2.60E-03	0.000509	2.43E-05	0.004285	1.86E-07	0.004818
2271	495561.06	3859901.99	0.25801	0.30499	0.30483	0.29995	4.70E-04	2.6E-05	0.00162	3.2E-07	0.00212	5.76E-04	3.18E-05	0.00198	1.79E-07	2.59E-03	0.000508	2.45E-05	0.004264	1.85E-07	0.004797
2272	495611.06	3859901.99	0.25742	0.30769	0.30227	0.29642	4.69E-04	2.6E-05	0.00161	3.2E-07	0.0021	5.75E-04	3.21E-05	0.001963	1.77E-07	2.57E-03	0.000507	2.47E-05	0.004228	1.83E-07	0.00476
2273	495661.06	3859901.99	0.2568	0.30429	0.29662	0.29257	4.68E-04	2.6E-05	0.00158	3.1E-07	0.00207	5.74E-04	3.17E-05	0.001927	1.75E-07	2.53E-03	0.000506	2.44E-05	0.004149	1.8E-07	0.00468
2274	494311.06	3859951.99	0.27201	0.36271	0.30938	0.3653	4.96E-04	3.1E-05	0.00164	3.9E-07	0.00217	6.08E-04	3.78E-05	0.00201	2.18E-07	2.66E-03	0.000536	2.91E-05	0.004328	2.25E-07	0.004893
2275	494361.06	3859951.99	0.27101	0.35859	0.31496	0.35934	4.94E-04	3.1E-05	0.00167	3.8E-07	0.0022	6.05E-04	3.74E-05	0.002046	2.14E-07	2.69E-03	0.000534	2.88E-05	0.004406	2.22E-07	0.004969
2276	494411.06	3859951.99	0.27023	0.37592	0.31571	0.35595	4.93E-04	3.2E-05	0.00168	3.8E-07	0.0022	6.04E-04	3.92E-05	0.002051	2.12E-07	2.69E-03	0.000532	3.02E-05	0.004416	2.19E-07	0.004979
2277	494461.06	3859951.99	0.2696	0.37268	0.31531	0.35523	4.91E-04	3.2E-05	0.00168	3.8E-07	0.0022	6.02E-04	3.89E-05	0.002048	2.12E-07	2.69E-03	0.000531	2.99E-05	0.004411	2.19E-07	0.004972
2278	494511.06	3859951.99	0.26755	0.36749	0.30929	0.35605	4.88E-04	3.1E-05	0.00164	3.8E-07	0.00216	5.98E-04	3.83E-05	0.002009	2.13E-07	2.65E-03	0.000527	2.95E-05	0.004327	2.2E-07	0.004883
2279	494561.06	3859951.99	0.26515	0.35383	0.30118	0.36222	4.83E-04	3E-05	0.0016	3.9E-07	0.00211	5.92E-04	3.69E-05	0.001956	2.16E-07	2.59E-03	0.000522	2.84E-05	0.004213	2.23E-07	0.004764
2280	494611.06	3859951.99	0.2658	0.36389	0.30201	0.35191	4.85E-04	3.1E-05	0.0016	3.8E-07	0.00212	5.94E-04	3.79E-05	0.001962	2.1E-07	2.59E-03	0.000523	2.92E-05	0.004225	2.17E-07	0.004778
2281	494661.06	3859951.99	0.26377	0.35136	0.30073	0.35314	4.81E-04	3E-05	0.0016	3.8E-07	0.00211	5.89E-04	3.66E-05	0.001953	2.11E-07	2.58E-03	0.000519	2.82E-05	0.004207	2.18E-07	0.004755
2282	494711.06	3859951.99	0.26391	0.36157	0.30512	0.34321	4.81E-04	3.1E-05	0.00162	3.7E-07	0.00213	5.90E-04	3.77E-05	0.001982	2.05E-07	2.61E-03	0.00052	2.9E-05	0.004268	2.12E-07	0.004817
2283	494761.06	3859951.99	0.25986	0.36204	0.30216	0.34248	4.74E-04	3.1E-05	0.00161	3.7E-07	0.00211	5.80E-04	3.78E-05	0.001963	2.04E-07	2.58E-03	0.000512	2.9E-05	0.004227	2.11E-07	0.004768
2284	494811.06	3859951.99	0.25847	0.36143	0.30084	0.33999	4.71E-04	3.1E-05	0.0016	3.6E-07	0.0021	5.77E-04	3.77E-05	0.001954	2.03E-07	2.57E-03	0.000509	2.9E-05	0.004208	2.1E-07	0.004747
2285	494861.06	3859951.99	0.25838	0.36035	0.29954	0.34027	4.71E-04	3.1E-05	0.00159	3.6E-07	0.00209	5.77E-04	3.76E-05	0.001946	2.03E-07	2.56E-03	0.000509	2.89E-05	0.00419	2.1E-07	0.004728
2286	494911.06	3859951.99	0.25984	0.35962	0.3008	0.33633	4.74E-04	3.1E-05	0.0016	3.6E-07	0.0021	5.80E-04	3.75E-05	0.001954	2.01E-07	2.57E-03	0.000512	2.88E-05	0.004208	2.07E-07	0.004749
2287	494961.06	3859951.99	0.26079	0.35371	0.29985	0.33252	4.75E-04	3E-05	0.00159	3.5E-07	0.0021	5.83E-04	3.69E-05	0.001948	1.98E-07	2.57E-03	0.000514	2.84E-05	0.004195	2.05E-07	0.004737
2288	495011.06	3859951.99	0.2613	0.34783	0.2996	0.32932	4.76E-04	3E-05	0.00159	3.5E-07	0.0021	5.84E-04	3.63E-05	0.001946	1.97E-07	2.57E-03	0.000515	2.79E-05	0.004191	2.03E-07	0.004734
2289	495061.06	3859951.99	0.26097	0.34249	0.29895	0.32822	4.76E-04	2.9E-05	0.00159	3.5E-07	0.00209	5.83E-04	3.57E-05	0.001942	1.96E-07	2.56E-03	0.000514	2.75E-05	0.004182	2.02E-07	0.004724
2290	495111.06	3859951.99	0.26133	0.3372	0.29982	0.32551	4.76E-04	2.9E-05	0.00159	3.5E-07	0.0021	5.84E-04	3.52E-05	0.001947	1.94E-07	2.57E-03	0.000515	2.7E-05	0.004194	2.01E-07	0.004736
2291	495161.06	3859951.99	0.2615	0.33301	0.30013	0.32269	4.77E-04	2.8E-05	0.00159	3.4E-07	0.0021	5.84E-04	3.47E-05	0.001949	1.93E-07	2.57E-03	0.000515	2.67E-05	0.004199	1.99E-07	0.00474
2292	495211.06	3859951.99	0.26083	0.32603	0.3003	0.31962	4.75E-04	2.8E-05	0.0016	3.4E-07	0.0021	5.83E-04	3.4E-05	0.001951	1.91E-07	2.57E-03	0.000514	2.62E-05	0.004201	1.97E-07	0.004741
2293	495261.06	3859951.99	0.25919	0.31878	0.30139	0.31832	4.72E-04	2.7E-05	0.0016	3.4E-07	0.0021	5.79E-04	3.32E-05	0.001958	1.9E-07	2.57E-03	0.00051	2.56E-05	0.004216	1.96E-07	0.004752
2294	495311.06	3859951.99	0.25679	0.31506	0.29852	0.31624	4.68E-04	2.7E-05	0.00159	3.4E-07	0.00208	5.74E-04	3.29E-05	0.001939	1.89E-07	2.55E-03	0.000506	2.53E-05	0.004176	1.95E-07	0.004707
2295	495361.06	3859951.99	0.25466	0.31374	0.29836	0.31344	4.64E-04	2.7E-05	0.00159	3.3E-07	0.00208	5.69E-04	3.27E-05	0.001938	1.87E-07	2.54E-03	0.000502	2.52E-05	0.004174	1.93E-07	0.004701
2296	495411.06	3859951.99	0.25399	0.31522	0.29966	0.30746	4.63E-04	2.7E-05	0.00159	3.3E-07	0.00208	5.67E-04	3.29E-05	0.001946	1.84E-07	2.55E-03	0.0005	2.53E-05	0.004192	1.9E-07	0.004718
2297	495461.06	3859951.99	0.25317	0.31625	0.29821	0.30425	4.61E-04	2.7E-05	0.00158	3.2E-07	0.00207	5.66E-04	3.3E-05	0.001937	1.82E-07	2.54E-03	0.000499	2.54E-05	0.004172	1.88E-07	0.004696
2298	495511.06	3859951.99	0.25409	0.31129	0.29698	0.30246	4.63E-04	2.6E-05	0.00158	3.2E-07	0.00207	5.68E-04	3.25E-05	0.001929	1.81E-07	2.53E-03	0.0005	2.5E-05	0.004154	1.86E-07	0.00468
2299	495561.06	3859951.99	0.25432	0.30557	0.29559	0.30336	4.64E-04	2.6E-05	0.00157	3.2E-07	0.00206	5.68E-04	3.19E-05	0.00192	1.81E-07	2.52E-03	0.000501	2.45E-05	0.004135	1.87E-07	0.004661
2300	495611.06	3859951.99	0.25362	0.29945	0.29721	0.30071	4.62E-04	2.5E-05	0.00158	3.2E-07	0.00207	5.67E-04	3.12E-05	0.00193	1.79E-07	2.53E-03	0.000499	2.4E-05	0.004158	1.85E-07	0.004681
2301	495661.06	3859951.99	0.25243	0.29636	0.29947	0.29771	4.60E-04	2.5E-05	0.00159	3.2E-07	0.00208	5.64E-04	3.09E-05	0.001945	1.78E-07	2.54E-03	0.000497	2.38E-05	0.004189	1.84E-07	0.00471
2302	494311.06	3860001.99	0.26872	0.35814	0.29459	0.36602	4.90E-04	3E-05	0.00157	3.9E-07	0.00209	6.00E-04	3.73E-05	0.001913	2.18E-07	2.55E-03	0.000529	2.87E-05	0.004121	2.26E-07	0.004679
2303	494361.06	3860001.99	0.26763	0.3567	0.29568	0.36623	4.88E-04	3E-05	0.00157	3.9E-07	0.00209	5.98E-04	3.72E-05	0.001921	2.19E-07	2.56E-03	0.000527	2.86E-05	0.004136	2.26E-07	0.004692
2304	494411.06	3860001.99	0.26674	0.35489	0.30111	0.3621	4.86E-04	3E-05	0.0016	3.9E-07	0.00212	5.96E-04	3.7E-05	0.001956	2.16E-07	2.59E-03	0.000525	2.85E-05	0.004212	2.23E-07	0.004766
2305	494461.06	3860001.99	0.26524	0.35297	0.30538	0.35956	4.83E-04	3E-05	0.00162	3.8E-07	0.00214	5.92E-04	3.68E-05	0.001984	2.15E-07	2.61E-03	0.000522	2.83E-05	0.004272	2.22E-07	0.004823
2306	494511.06	3860001.99	0.26457	0.3492	0.30704	0.3545	4.82E-04	3E-05	0.00163	3.8E-07	0.00214	5.91E-04	3.64E-05	0.001994	2.12E-07	2.62E-03	0.000521	2.8E-05	0.004295	2.19E-07	0.004844
2307	494561.06	3860001.99	0.26224	0.34663	0.30263	0.36084	4.78E-04	2.9E-05	0.00161	3.8E-07	0.00212	5.86E-04	3.61E-05	0.001966	2.15E-07	2.59E-03	0.000516	2.78E-05	0.004233	2.22E-07	0.004778
2308	494611.06	3860001.99	0.26086	0.34499	0.30115	0.35889	4.76E-04	2.9E-05	0.0016	3.8E-07	0.00211	5.83E-04	3.6E-05	0.001956	2.14E-07	2.57E-03	0.000514	2.77E-05	0.004213	2.21E-07	0.004754
2309	494661.06	3860001.99	0.2593	0.34636	0.29538	0.35913	4.73E-04	2.9E-05	0.00157	3.8E-07	0.00207	5.79E-04	3.61E-05	0.001919	2.14E-07	2.53E-03	0.000511	2.78E-05	0.004132	2.21E-07	0.004671
2310	494711.06	3860001.99	0.26043	0.34457	0.29544	0.34844	4.75E-04	2.9E-05	0.00157	3.7E-07	0.00207	5.82E-04	3.59E-05	0.001919	2.08E-07	2.54E-03	0.000513	2.76E-05	0.004133	2.15E-07	0.004674
2311	494761.06	3860001.99	0.2583	0.34369	0.29203	0.3513	4.71E-04	2.9E-05	0.00155	3.7E-07	0.00205	5.77E-04	3.58E-05	0.001897	2.1E-07	2.51E-03	0.000509	2.76E-05	0.004085	2.17E-07	0.004622
2312	494811.06	3860001.99	0.25709	0.34304	0.2924	0.34926	4.69E-04	2.9E-05	0.00155	3.7E-07	0.00205	5.74E-04	3.58E-05	0.001899	2.08E-07	2.51E-03	0.000506	2.75E-05	0.00409	2.15E-07	0.004624
2313	494861.06	3860001.99	0.25464	0.34139	0.29009	0.34719	4.64E-04	2.9E-05	0.00154	3.7E-07	0.00203	5.69E-04	3.56E-05	0.001884	2.07E-07	2.49E-03	0.000502	2.74E-05	0.004058	2.14E-07	0.004587
2314	494911.06	3860001.99	0.25239	0.35422	0.29356	0.33793	4.60E-04	3E-05	0.00156	3.6E-07	0.00205	5.64E-04	3.69E-05	0.001907	2.02E-07	2.51E-03	0.000497	2.84E-05	0.004107	2.08E-07	0.004632

2315	494961.06	3860001.99	0.25225	0.35294	0.29305	0.33765	4.60E-04	3E-05	0.00156	3.6E-07	0.00205	5.63E-04	3.68E-05	0.001903	2.02E-07	2.50E-03	0.000497	2.83E-05	0.004099	2.08E-07	0.004625
2316	495011.06	3860001.99	0.2533	0.35244	0.29469	0.33455	4.62E-04	3E-05	0.00157	3.6E-07	0.00206	5.66E-04	3.68E-05	0.001914	2E-07	2.52E-03	0.000499	2.83E-05	0.004122	2.06E-07	0.00465
2317	495061.06	3860001.99	0.25358	0.34958	0.29058	0.33444	4.62E-04	3E-05	0.00154	3.6E-07	0.00204	5.66E-04	3.65E-05	0.001887	2E-07	2.49E-03	0.000499	2.8E-05	0.004065	2.06E-07	0.004593
2318	495111.06	3860001.99	0.25436	0.34618	0.29139	0.33026	4.64E-04	2.9E-05	0.00155	3.5E-07	0.00204	5.68E-04	3.61E-05	0.001893	1.97E-07	2.50E-03	0.000501	2.78E-05	0.004076	2.04E-07	0.004605
2319	495161.06	3860001.99	0.25442	0.34011	0.29243	0.32609	4.64E-04	2.9E-05	0.00155	3.5E-07	0.00205	5.68E-04	3.55E-05	0.001899	1.95E-07	2.50E-03	0.000501	2.73E-05	0.004091	2.01E-07	0.004619
2320	495211.06	3860001.99	0.25369	0.33327	0.29036	0.32547	4.62E-04	2.8E-05	0.00154	3.5E-07	0.00203	5.67E-04	3.48E-05	0.001886	1.94E-07	2.49E-03	0.0005	2.67E-05	0.004062	2.01E-07	0.004588
2321	495261.06	3860001.99	0.25425	0.32737	0.29062	0.32278	4.63E-04	2.8E-05	0.00154	3.4E-07	0.00204	5.68E-04	3.41E-05	0.001888	1.93E-07	2.49E-03	0.000501	2.63E-05	0.004065	1.99E-07	0.004593
2322	495311.06	3860001.99	0.25328	0.32243	0.2894	0.32193	4.62E-04	2.7E-05	0.00154	3.4E-07	0.00203	5.66E-04	3.36E-05	0.00188	1.92E-07	2.48E-03	0.000499	2.59E-05	0.004048	1.98E-07	0.004573
2323	495361.06	3860001.99	0.25303	0.32043	0.29201	0.31651	4.61E-04	2.7E-05	0.00155	3.4E-07	0.00204	5.65E-04	3.34E-05	0.001897	1.89E-07	2.50E-03	0.000498	2.57E-05	0.004085	1.95E-07	0.004609
2324	495411.06	3860001.99	0.25058	0.31472	0.2896	0.31731	4.57E-04	2.7E-05	0.00154	3.4E-07	0.00202	5.60E-04	3.28E-05	0.001881	1.89E-07	2.47E-03	0.000494	2.52E-05	0.004051	1.96E-07	0.00457
2325	495461.06	3860001.99	0.24882	0.30857	0.28913	0.31403	4.54E-04	2.6E-05	0.00154	3.3E-07	0.00202	5.56E-04	3.22E-05	0.001878	1.87E-07	2.47E-03	0.00049	2.48E-05	0.004045	1.94E-07	0.00456
2326	495511.06	3860001.99	0.24835	0.30906	0.28974	0.30942	4.53E-04	2.6E-05	0.00154	3.3E-07	0.00202	5.55E-04	3.22E-05	0.001882	1.85E-07	2.47E-03	0.000489	2.48E-05	0.004053	1.91E-07	0.004567
2327	495561.06	3860001.99	0.24607	0.30977	0.2877	0.3073	4.49E-04	2.6E-05	0.00153	3.3E-07	0.002	5.50E-04	3.23E-05	0.001869	1.83E-07	2.45E-03	0.000485	2.48E-05	0.004025	1.89E-07	0.004534
2328	495611.06	3860001.99	0.24675	0.30756	0.28894	0.30362	4.50E-04	2.6E-05	0.00154	3.2E-07	0.00201	5.51E-04	3.21E-05	0.001877	1.81E-07	2.46E-03	0.000486	2.47E-05	0.004042	1.87E-07	0.004553
2329	495661.06	3860001.99	0.24853	0.3043	0.28869	0.30135	4.53E-04	2.6E-05	0.00153	3.2E-07	0.00201	5.55E-04	3.17E-05	0.001875	1.8E-07	2.46E-03	0.000489	2.44E-05	0.004038	1.86E-07	0.004553
2330	494411.06	3860051.99	0.26294	0.35113	0.28741	0.36331	4.79E-04	3E-05	0.00153	3.9E-07	0.00204	5.87E-04	3.66E-05	0.001867	2.17E-07	2.49E-03	0.000518	2.82E-05	0.004021	2.24E-07	0.004567
2331	494461.06	3860051.99	0.26212	0.34866	0.2882	0.36286	4.78E-04	3E-05	0.00153	3.9E-07	0.00204	5.86E-04	3.64E-05	0.001872	2.17E-07	2.49E-03	0.000516	2.8E-05	0.004032	2.24E-07	0.004576
2332	494511.06	3860051.99	0.26087	0.34778	0.29186	0.36219	4.76E-04	3E-05	0.00155	3.9E-07	0.00206	5.83E-04	3.63E-05	0.001896	2.16E-07	2.51E-03	0.000514	2.79E-05	0.004083	2.23E-07	0.004625
2333	494561.06	3860051.99	0.2588	0.3457	0.29448	0.36282	4.72E-04	2.9E-05	0.00156	3.9E-07	0.00207	5.78E-04	3.6E-05	0.001913	2.17E-07	2.53E-03	0.00051	2.77E-05	0.004119	2.24E-07	0.004657
2334	494611.06	3860051.99	0.25743	0.3434	0.29573	0.36055	4.69E-04	2.9E-05	0.00157	3.8E-07	0.00207	5.75E-04	3.58E-05	0.001921	2.15E-07	2.53E-03	0.000507	2.75E-05	0.004137	2.22E-07	0.004672
2335	494661.06	3860051.99	0.25696	0.34014	0.29519	0.35734	4.68E-04	2.9E-05	0.00157	3.8E-07	0.00207	5.74E-04	3.55E-05	0.001917	2.13E-07	2.53E-03	0.000506	2.73E-05	0.004129	2.2E-07	0.004663
2336	494711.06	3860051.99	0.25625	0.3378	0.29633	0.35394	4.67E-04	2.9E-05	0.00157	3.8E-07	0.00207	5.72E-04	3.52E-05	0.001925	2.11E-07	2.53E-03	0.000505	2.71E-05	0.004145	2.18E-07	0.004677
2337	494761.06	3860051.99	0.25448	0.33667	0.29045	0.35467	4.64E-04	2.9E-05	0.00154	3.8E-07	0.00204	5.68E-04	3.51E-05	0.001887	2.12E-07	2.49E-03	0.000501	2.7E-05	0.004063	2.19E-07	0.004592
2338	494811.06	3860051.99	0.25345	0.33719	0.28494	0.35655	4.62E-04	2.9E-05	0.00151	3.8E-07	0.00201	5.66E-04	3.52E-05	0.001851	2.13E-07	2.45E-03	0.000499	2.7E-05	0.003986	2.2E-07	0.004512
2339	494861.06	3860051.99	0.25242	0.33631	0.28013	0.3558	4.60E-04	2.9E-05	0.00149	3.8E-07	0.00198	5.64E-04	3.51E-05	0.00182	2.12E-07	2.42E-03	0.000497	2.7E-05	0.003919	2.19E-07	0.004443
2340	494911.06	3860051.99	0.25168	0.33564	0.28222	0.35232	4.59E-04	2.9E-05	0.0015	3.8E-07	0.00199	5.62E-04	3.5E-05	0.001833	2.1E-07	2.43E-03	0.000496	2.69E-05	0.003948	2.17E-07	0.004471
2341	494961.06	3860051.99	0.2505	0.33477	0.28405	0.34475	4.57E-04	2.8E-05	0.00151	3.7E-07	0.00199	5.60E-04	3.49E-05	0.001845	2.06E-07	2.44E-03	0.000493	2.69E-05	0.003974	2.13E-07	0.004494
2342	495011.06	3860051.99	0.24708	0.33319	0.2834	0.3408	4.50E-04	2.8E-05	0.00151	3.6E-07	0.00198	5.52E-04	3.47E-05	0.001841	2.03E-07	2.43E-03	0.000487	2.67E-05	0.003964	2.1E-07	0.004478
2343	495061.06	3860051.99	0.24627	0.33293	0.28301	0.33968	4.49E-04	2.8E-05	0.0015	3.6E-07	0.00198	5.50E-04	3.47E-05	0.001838	2.03E-07	2.42E-03	0.000485	2.67E-05	0.003959	2.09E-07	0.004471
2344	495111.06	3860051.99	0.24642	0.33258	0.28606	0.33566	4.49E-04	2.8E-05	0.00152	3.6E-07	0.002	5.50E-04	3.47E-05	0.001858	2E-07	2.44E-03	0.000485	2.67E-05	0.004002	2.07E-07	0.004514
2345	495161.06	3860051.99	0.24732	0.33098	0.28463	0.33355	4.51E-04	2.8E-05	0.00151	3.6E-07	0.00199	5.52E-04	3.45E-05	0.001849	1.99E-07	2.44E-03	0.000487	2.66E-05	0.003982	2.06E-07	0.004496
2346	495211.06	3860051.99	0.24779	0.34039	0.28381	0.32993	4.52E-04	2.9E-05	0.00151	3.5E-07	0.00199	5.53E-04	3.55E-05	0.001843	1.97E-07	2.43E-03	0.000488	2.73E-05	0.00397	2.03E-07	0.004486
2347	495261.06	3860051.99	0.24745	0.33639	0.28372	0.32809	4.51E-04	2.9E-05	0.00151	3.5E-07	0.00199	5.53E-04	3.51E-05	0.001843	1.96E-07	2.43E-03	0.000487	2.7E-05	0.003969	2.02E-07	0.004483
2348	495311.06	3860051.99	0.24687	0.33103	0.2822	0.32669	4.50E-04	2.8E-05	0.0015	3.5E-07	0.00198	5.51E-04	3.45E-05	0.001833	1.95E-07	2.42E-03	0.000486	2.66E-05	0.003948	2.01E-07	0.004461
2349	495361.06	3860051.99	0.24705	0.32579	0.28143	0.3244	4.50E-04	2.8E-05	0.0015	3.5E-07	0.00197	5.52E-04	3.4E-05	0.001828	1.94E-07	2.41E-03	0.000487	2.61E-05	0.003937	2E-07	0.00445
2350	495411.06	3860051.99	0.24665	0.31981	0.28074	0.32166	4.50E-04	2.7E-05	0.00149	3.4E-07	0.00197	5.51E-04	3.33E-05	0.001823	1.92E-07	2.41E-03	0.000486	2.57E-05	0.003927	1.98E-07	0.004439
2351	495461.06	3860051.99	0.24652	0.31528	0.28027	0.31896	4.49E-04	2.7E-05	0.00149	3.4E-07	0.00197	5.51E-04	3.29E-05	0.00182	1.9E-07	2.40E-03	0.000486	2.53E-05	0.003921	1.97E-07	0.004432
2352	495511.06	3860051.99	0.24428	0.31208	0.2802	0.3182	4.45E-04	2.7E-05	0.00149	3.4E-07	0.00196	5.46E-04	3.25E-05	0.00182	1.9E-07	2.40E-03	0.000481	2.5E-05	0.00392	1.96E-07	0.004426
2353	495561.06	3860051.99	0.24258	0.30573	0.27967	0.31561	4.42E-04	2.6E-05	0.00149	3.4E-07	0.00195	5.42E-04	3.19E-05	0.001817	1.88E-07	2.39E-03	0.000478	2.45E-05	0.003912	1.95E-07	0.004415
2354	495611.06	3860051.99	0.24208	0.29972	0.28	0.31156	4.41E-04	2.6E-05	0.00149	3.3E-07	0.00195	5.41E-04	3.13E-05	0.001819	1.86E-07	2.39E-03	0.000477	2.4E-05	0.003917	1.92E-07	0.004418
2355	495661.06	3860051.99	0.24211	0.30034	0.28265	0.30597	4.41E-04	2.6E-05	0.0015	3.3E-07	0.00197	5.41E-04	3.13E-05	0.001836	1.83E-07	2.41E-03	0.000477	2.41E-05	0.003954	1.89E-07	0.004455
2356	494411.06	3860101.99	0.26732	0.3478	0.2911	0.37015	4.87E-04	3E-05	0.00155	3.9E-07	0.00206	5.97E-04	3.63E-05	0.001891	2.21E-07	2.52E-03	0.000526	2.79E-05	0.004072	2.28E-07	0.004627
2357	494461.06	3860101.99	0.26143	0.34527	0.28526	0.36621	4.77E-04	2.9E-05	0.00152	3.9E-07	0.00202	5.84E-04	3.6E-05	0.001853	2.19E-07	2.47E-03	0.000515	2.77E-05	0.003991	2.26E-07	0.004533
2358	494511.06	3860101.99	0.25811	0.34376	0.28133	0.35997	4.70E-04	2.9E-05	0.00149	3.8E-07	0.00199	5.77E-04	3.58E-05	0.001827	2.15E-07	2.44E-03	0.000508	2.76E-05	0.003936	2.22E-07	0.004472
2359	494561.06	3860101.99	0.25614	0.34194	0.2807	0.36215	4.67E-04	2.9E-05	0.00149	3.9E-07	0.00199	5.72E-04	3.57E-05	0.001823	2.16E-07	2.43E-03	0.000504	2.74E-05	0.003927	2.23E-07	0.004459
2360	494611.06	3860101.99	0.25454	0.33936	0.2811	0.36552	4.64E-04	2.9E-05	0.00149	3.9E-07	0.00199	5.69E-04	3.54E-05	0.001826	2.18E-07	2.43E-03	0.000501	2.72E-05	0.003932	2.25E-07	0.004461
2361	494661.06	3860101.99	0.25284	0.33856	0.28487	0.36353	4.61E-04	2.9E-05	0.00151	3.9E-07	0.002	5.65E-04	3.53E-05	0.00185	2.17E-07	2.45E-03	0.000498	2.72E-05	0.003985	2.24E-07	0.00451
2362	494711.06	3860101.99	0.25227	0.33673	0.28926	0.35774	4.60E-04	2.9E-05	0.00154	3.8E-07	0.00203	5.64E-04	3.51E-05	0.001879	2.14E-07	2.48E-03	0.000497	2.7E-05	0.004046	2.21E-07	0.004571
2363	494761.06	3860101.99	0.25214	0.33463	0.28917	0.35488	4.60E-04	2.8E-05	0.00154	3.8E-07	0.00202	5.63E-04	3.49E-05	0.001878	2.12E-07	2.48E-03	0.000497	2.68E-05	0.004045	2.19E-07	0.004569
2364	494811.06	3860101.99	0.25135	0.33181	0.28919	0.3528	4.58E-04	2.8E-05	0.00154	3.8E-07	0.00202	5.61E-04	3.46E-05	0.001878	2.11E-07	2.47E-03	0.000495	2.66E-05	0.004045	2.18E-07	0.004567
2365	494861.06	3860101.99	0.24972	0.32878	0.28566	0.35599	4.55E-04	2.8E-05	0.00152	3.8E-07	0.002	5.58E-04	3.43E-05	0.001855	2.12E-07	2.45E-03	0.000492	2.64E-05	0.003996	2.19E-07	0.004515
2366	494911.06	3860101.99	0.2486	0.32871	0.28061	0.35037	4.53E-04	2.8E-05	0.00149	3.7E-07	0.00197	5.55E-04	3.43E-05	0.001823	2.09E-07	2.41E-03	0.00049	2.64E-05	0.003925	2.16E-07	0.004442
2367	494961.06	3860101.99	0.24788	0.32851	0.27581	0.34969	4.52E-04	2.8E-05	0.00147	3.7E-07	0.00195	5.54E-04	3.43E-05	0.001791	2.09E-07	2.38E-03	0.000488	2.64E-05	0.003858	2.16E-07	0.004373
2368	495011.06	3860101.99	0.24712	0.32847	0.27659	0.34429	4.50E-04	2.8E-05	0.00147	3.7E-07	0.00195	5.52E-04	3.43E-05	0.001797	2.05E-07	2.38E-03	0.000487	2.63E-05	0.003869	2.12E-07	0.004382
2369	495061.06	3860101.99	0.24629	0.32784	0.27848	0.34089	4.49E-04	2.8E-05	0.00148	3.6E-07	0.00196	5.50E-04	3.42E-05	0.001809	2.03E-07	2.39E-03	0.000485	2.63E-05	0.003896	2.1E-07	0.004407
2370	495111.06	3860101.99	0.2432	0.32665	0.27879	0.33489	4.43E-04	2.8E-05	0.00148	3.6E-07	0.00195	5.43E-04	3.41E-05	0.001811	2E-07	2.39E-03	0.000479	2.62E-05	0.0039	2.06E-07	0.004405
2371	495161.06	3860101.99	0.24083	0.32537	0.27669	0.33718	4.39E-04	2.8E-05	0.00147	3.6E-07	0.00194	5.38E-04	3.39E-05	0.001797	2.01E-07	2.37E-03	0.000474	2.61E-05	0.003871	2.08E-07	0.004371
2372	495211.06	3860101.99	0.24071	0.32471	0.27735	0.33601	4.39E-04	2.8E-05	0.00147	3.6E-07	0.00194	5.38E-04	3.39E-05	0.001801	2.01E-07	2.37E-03	0.000474	2.6E-05	0.00388	2.07E-07	0.00438
2373	495261.06	3860101.99	0.24129	0.32469	0.2767	0.33415	4.40E-04	2.8E-05	0.00147	3.6E-07	0.00194	5.39E-04	3.39E-05	0.001797	1.99E-07	2.37E-03	0.000475	2.6E-05	0.003871	2.06E-07	0.004372
2374	495311.06	3860101.99	0.24155	0.3236	0.2746	0.3325	4.40E-04	2.8E-05	0.00146	3.5E-07	0.00193	5.40E-04	3.37E-05	0.001784	1.98E-07	2.36E-03	0.000476	2.6E-05	0.003841	2.05E-07	0.004343
2375	495361.06	3860101.99	0.24098	0.32204	0.2737	0.3317	4.39E-04	2.7E-05	0.00145	3.5E-07	0.00192	5.38E-04	3.36E-05	0.001778	1.98E-07	2.35E-03	0.000475	2.58E-05	0.003829	2.05E-07	0.004329

2376	495411.06	3860101.99	0.2408	0.31882	0.27392	0.32875	4.39E-04	2.7E-05	0.00146	3.5E-07	0.00192	5.38E-04	3.32E-05	0.001779	1.96E-07	2.35E-03	0.000474	2.56E-05	0.003832	2.03E-07	0.004332
2377	495461.06	3860101.99	0.24097	0.32308	0.27533	0.3237	4.39E-04	2.7E-05	0.00146	3.5E-07	0.00193	5.38E-04	3.37E-05	0.001788	1.93E-07	2.36E-03	0.000475	2.59E-05	0.003852	2E-07	0.004352
2378	495511.06	3860101.99	0.24042	0.31754	0.27342	0.32229	4.38E-04	2.7E-05	0.00145	3.4E-07	0.00192	5.37E-04	3.31E-05	0.001776	1.92E-07	2.35E-03	0.000473	2.55E-05	0.003825	1.99E-07	0.004324
2379	495561.06	3860101.99	0.23965	0.30952	0.27132	0.32112	4.37E-04	2.6E-05	0.00144	3.4E-07	0.00191	5.35E-04	3.23E-05	0.001762	1.92E-07	2.33E-03	0.000472	2.48E-05	0.003795	1.98E-07	0.004293
2380	495611.06	3860101.99	0.24028	0.30879	0.27253	0.31565	4.38E-04	2.6E-05	0.00145	3.4E-07	0.00191	5.37E-04	3.22E-05	0.00177	1.88E-07	2.34E-03	0.000473	2.48E-05	0.003812	1.95E-07	0.004311
2381	495661.06	3860101.99	0.23765	0.30427	0.27304	0.31404	4.33E-04	2.6E-05	0.00145	3.4E-07	0.00191	5.31E-04	3.17E-05	0.001773	1.87E-07	2.34E-03	0.000468	2.44E-05	0.00382	1.94E-07	0.004312
2382	494861.06	3860151.99	0.24569	0.32628	0.2818	0.35865	4.48E-04	2.8E-05	0.0015	3.8E-07	0.00197	5.49E-04	3.4E-05	0.00183	2.14E-07	2.41E-03	0.000484	2.62E-05	0.003942	2.21E-07	0.004452
2383	494911.06	3860151.99	0.2462	0.32582	0.28331	0.35079	4.49E-04	2.8E-05	0.00151	3.7E-07	0.00198	5.50E-04	3.4E-05	0.00184	2.09E-07	2.42E-03	0.000485	2.61E-05	0.003963	2.16E-07	0.004474
2384	494961.06	3860151.99	0.24549	0.32353	0.28201	0.34844	4.47E-04	2.8E-05	0.0015	3.7E-07	0.00197	5.48E-04	3.37E-05	0.001832	2.08E-07	2.41E-03	0.000483	2.6E-05	0.003945	2.15E-07	0.004455
2385	495011.06	3860151.99	0.24405	0.32145	0.27661	0.34584	4.45E-04	2.7E-05	0.00147	3.7E-07	0.00194	5.45E-04	3.35E-05	0.001797	2.06E-07	2.38E-03	0.000481	2.58E-05	0.003869	2.13E-07	0.004376
2386	495061.06	3860151.99	0.24319	0.32106	0.27207	0.34429	4.43E-04	2.7E-05	0.00145	3.7E-07	0.00192	5.43E-04	3.35E-05	0.001767	2.05E-07	2.34E-03	0.000479	2.58E-05	0.003806	2.12E-07	0.004311
2387	495111.06	3860151.99	0.24246	0.32078	0.27093	0.34129	4.42E-04	2.7E-05	0.00144	3.6E-07	0.00191	5.42E-04	3.35E-05	0.00176	2.04E-07	2.34E-03	0.000478	2.57E-05	0.00379	2.1E-07	0.004293
2388	495161.06	3860151.99	0.24172	0.32095	0.27125	0.33874	4.41E-04	2.7E-05	0.00144	3.6E-07	0.00191	5.40E-04	3.35E-05	0.001762	2.02E-07	2.34E-03	0.000476	2.57E-05	0.003795	2.09E-07	0.004297
2389	495211.06	3860151.99	0.23958	0.32032	0.27176	0.33691	4.37E-04	2.7E-05	0.00144	3.6E-07	0.00191	5.35E-04	3.34E-05	0.001765	2.01E-07	2.33E-03	0.000472	2.57E-05	0.003802	2.08E-07	0.004299
2390	495261.06	3860151.99	0.23642	0.31884	0.26968	0.3338	4.31E-04	2.7E-05	0.00143	3.6E-07	0.00189	5.28E-04	3.32E-05	0.001752	1.99E-07	2.31E-03	0.000466	2.56E-05	0.003773	2.06E-07	0.004264
2391	495311.06	3860151.99	0.23547	0.31804	0.26922	0.33591	4.29E-04	2.7E-05	0.00143	3.6E-07	0.00189	5.26E-04	3.32E-05	0.001749	2E-07	2.31E-03	0.000464	2.55E-05	0.003766	2.07E-07	0.004256
2392	495361.06	3860151.99	0.23549	0.31742	0.26886	0.33607	4.29E-04	2.7E-05	0.00143	3.6E-07	0.00189	5.26E-04	3.31E-05	0.001746	2.01E-07	2.31E-03	0.000464	2.55E-05	0.003761	2.07E-07	0.004251
2393	495411.06	3860151.99	0.2359	0.317	0.26718	0.33434	4.30E-04	2.7E-05	0.00142	3.6E-07	0.00188	5.27E-04	3.31E-05	0.001735	2E-07	2.30E-03	0.000465	2.54E-05	0.003738	2.06E-07	0.004228
2394	495461.06	3860151.99	0.23552	0.31621	0.26625	0.33234	4.29E-04	2.7E-05	0.00141	3.5E-07	0.00187	5.26E-04	3.3E-05	0.001729	1.98E-07	2.29E-03	0.000464	2.54E-05	0.003725	2.05E-07	0.004214
2395	495511.06	3860151.99	0.23533	0.31455	0.26653	0.32927	4.29E-04	2.7E-05	0.00142	3.5E-07	0.00187	5.26E-04	3.28E-05	0.001731	1.97E-07	2.29E-03	0.000463	2.52E-05	0.003728	2.03E-07	0.004217
2396	495561.06	3860151.99	0.23499	0.31211	0.26577	0.3274	4.28E-04	2.7E-05	0.00141	3.5E-07	0.00187	5.25E-04	3.25E-05	0.001726	1.95E-07	2.28E-03	0.000463	2.5E-05	0.003718	2.02E-07	0.004206
2397	495611.06	3860151.99	0.23471	0.30786	0.2655	0.32392	4.28E-04	2.6E-05	0.00141	3.5E-07	0.00187	5.24E-04	3.21E-05	0.001725	1.93E-07	2.28E-03	0.000462	2.47E-05	0.003714	2E-07	0.004201
2398	495661.06	3860151.99	0.23425	0.30508	0.26599	0.31985	4.27E-04	2.6E-05	0.00141	3.4E-07	0.00187	5.23E-04	3.18E-05	0.001728	1.91E-07	2.28E-03	0.000461	2.45E-05	0.003721	1.97E-07	0.004207
2399	495718.25	3859442.96	0.23645	0.32246	0.27962	0.19741	4.31E-04	2.7E-05	0.00149	2.1E-07	0.00194	5.28E-04	3.36E-05	0.001816	1.18E-07	2.38E-03	0.000466	2.59E-05	0.003912	1.22E-07	0.004403
2400	495818.25	3859442.96	0.23143	0.31912	0.27023	0.19267	4.22E-04	2.7E-05	0.00144	2.1E-07	0.00189	5.17E-04	3.33E-05	0.001755	1.15E-07	2.31E-03	0.000456	2.56E-05	0.00378	1.19E-07	0.004262
2401	495918.25	3859442.96	0.22788	0.31623	0.26602	0.18853	4.15E-04	2.7E-05	0.00141	2E-07	0.00186	5.09E-04	3.3E-05	0.001728	1.13E-07	2.27E-03	0.000449	2.54E-05	0.003721	1.16E-07	0.004196
2402	496018.25	3859442.96	0.22532	0.31031	0.26069	0.1869	4.11E-04	2.6E-05	0.00139	2E-07	0.00182	5.03E-04	3.24E-05	0.001693	1.12E-07	2.23E-03	0.000444	2.49E-05	0.003647	1.15E-07	0.004116
2403	496118.25	3859442.96	0.22742	0.31597	0.26243	0.19288	4.15E-04	2.7E-05	0.00139	2.1E-07	0.00184	5.08E-04	3.29E-05	0.001705	1.15E-07	2.25E-03	0.000448	2.53E-05	0.003671	1.19E-07	0.004144
2404	496218.25	3859442.96	0.2283	0.31664	0.26286	0.19656	4.16E-04	2.7E-05	0.0014	2.1E-07	0.00184	5.10E-04	3.3E-05	0.001707	1.17E-07	2.25E-03	0.00045	2.54E-05	0.003677	1.21E-07	0.004152
2405	496318.25	3859442.96	0.22399	0.30926	0.25727	0.19472	4.08E-04	2.6E-05	0.00137	2.1E-07	0.0018	5.00E-04	3.22E-05	0.001671	1.16E-07	2.20E-03	0.000441	2.48E-05	0.003599	1.2E-07	0.004065
2406	496418.25	3859442.96	0.21911	0.29556	0.25113	0.19136	3.99E-04	2.5E-05	0.00133	2E-07	0.00176	4.89E-04	3.08E-05	0.001631	1.14E-07	2.15E-03	0.000432	2.37E-05	0.003513	1.18E-07	0.003968
2407	495718.25	3859542.96	0.25157	0.333	0.29232	0.21509	4.59E-04	2.8E-05	0.00155	2.3E-07	0.00204	5.62E-04	3.47E-05	0.001899	1.28E-07	2.50E-03	0.000495	2.67E-05	0.004089	1.33E-07	0.004612
2408	495818.25	3859542.96	0.24537	0.32687	0.29052	0.20752	4.47E-04	2.8E-05	0.00154	2.2E-07	0.00202	5.48E-04	3.41E-05	0.001887	1.24E-07	2.47E-03	0.000483	2.62E-05	0.004064	1.28E-07	0.004574
2409	495918.25	3859542.96	0.23856	0.32343	0.28225	0.20218	4.35E-04	2.8E-05	0.0015	2.2E-07	0.00196	5.33E-04	3.37E-05	0.001833	1.21E-07	2.40E-03	0.00047	2.59E-05	0.003948	1.25E-07	0.004444
2410	496018.25	3859542.96	0.23437	0.3205	0.27496	0.19835	4.27E-04	2.7E-05	0.00146	2.1E-07	0.00192	5.24E-04	3.34E-05	0.001786	1.18E-07	2.34E-03	0.000462	2.57E-05	0.003846	1.22E-07	0.004334
2411	496118.25	3859542.96	0.23584	0.32323	0.27425	0.20291	4.30E-04	2.8E-05	0.00146	2.2E-07	0.00191	5.27E-04	3.37E-05	0.001781	1.21E-07	2.34E-03	0.000464	2.59E-05	0.003836	1.25E-07	0.004327
2412	496218.25	3859542.96	0.2347	0.32661	0.27006	0.20661	4.28E-04	2.8E-05	0.00143	2.2E-07	0.00189	5.24E-04	3.41E-05	0.001754	1.23E-07	2.31E-03	0.000462	2.62E-05	0.003778	1.27E-07	0.004266
2413	496318.25	3859542.96	0.23452	0.32471	0.26915	0.20701	4.27E-04	2.8E-05	0.00143	2.2E-07	0.00189	5.24E-04	3.39E-05	0.001748	1.24E-07	2.31E-03	0.000462	2.6E-05	0.003765	1.28E-07	0.004253
2414	496418.25	3859542.96	0.23093	0.31646	0.26537	0.20272	4.21E-04	2.7E-05	0.00141	2.2E-07	0.00186	5.16E-04	3.3E-05	0.001724	1.21E-07	2.27E-03	0.000455	2.54E-05	0.003712	1.25E-07	0.004193
2415	495718.25	3859642.96	0.25885	0.33986	0.2975	0.22999	4.72E-04	2.9E-05	0.00158	2.5E-07	0.00208	5.78E-04	3.54E-05	0.001932	1.37E-07	2.55E-03	0.00051	2.73E-05	0.004162	1.42E-07	0.004699
2416	495818.25	3859642.96	0.25654	0.32667	0.29149	0.22254	4.68E-04	2.8E-05	0.00155	2.4E-07	0.00204	5.73E-04	3.41E-05	0.001893	1.33E-07	2.50E-03	0.000505	2.62E-05	0.004078	1.37E-07	0.004609
2417	495918.25	3859642.96	0.25174	0.32393	0.28773	0.2217	4.59E-04	2.8E-05	0.00153	2.4E-07	0.00202	5.62E-04	3.38E-05	0.001869	1.32E-07	2.47E-03	0.000496	2.6E-05	0.004025	1.37E-07	0.004547
2418	496018.25	3859642.96	0.24531	0.31806	0.28675	0.21621	4.47E-04	2.7E-05	0.00152	2.3E-07	0.002	5.48E-04	3.32E-05	0.001863	1.29E-07	2.44E-03	0.000483	2.55E-05	0.004011	1.33E-07	0.00452
2419	496118.25	3859642.96	0.24562	0.32451	0.28549	0.21964	4.48E-04	2.8E-05	0.00152	2.3E-07	0.00199	5.49E-04	3.38E-05	0.001854	1.31E-07	2.44E-03	0.000484	2.6E-05	0.003994	1.35E-07	0.004504
2420	496218.25	3859642.96	0.24405	0.33009	0.27851	0.22023	4.45E-04	2.8E-05	0.00148	2.3E-07	0.00195	5.45E-04	3.44E-05	0.001809	1.31E-07	2.39E-03	0.000481	2.65E-05	0.003896	1.36E-07	0.004403
2421	496318.25	3859642.96	0.24049	0.32963	0.27561	0.21611	4.38E-04	2.8E-05	0.00146	2.3E-07	0.00193	5.37E-04	3.44E-05	0.00179	1.29E-07	2.36E-03	0.000474	2.64E-05	0.003856	1.33E-07	0.004356
2422	496418.25	3859642.96	0.22954	0.31542	0.26741	0.20214	4.18E-04	2.7E-05	0.00142	2.2E-07	0.00187	5.13E-04	3.29E-05	0.001737	1.21E-07	2.28E-03	0.000452	2.53E-05	0.003741	1.25E-07	0.004218
2423	495718.25	3859742.96	0.25596	0.33107	0.30286	0.25202	4.67E-04	2.8E-05	0.00161	2.7E-07	0.0021	5.72E-04	3.45E-05	0.001967	1.5E-07	2.57E-03	0.000504	2.66E-05	0.004237	1.55E-07	0.004768
2424	495818.25	3859742.96	0.255	0.33552	0.29979	0.24545	4.65E-04	2.9E-05	0.00159	2.6E-07	0.00209	5.70E-04	3.5E-05	0.001947	1.46E-07	2.55E-03	0.000502	2.69E-05	0.004194	1.51E-07	0.004723
2425	495918.25	3859742.96	0.25416	0.3361	0.29562	0.23965	4.63E-04	2.9E-05	0.00157	2.6E-07	0.00206	5.68E-04	3.5E-05	0.00192	1.43E-07	2.52E-03	0.000501	2.7E-05	0.004135	1.48E-07	0.004663
2426	496018.25	3859742.96	0.25262	0.3345	0.29212	0.23393	4.60E-04	2.8E-05	0.00155	2.5E-07	0.00204	5.64E-04	3.49E-05	0.001897	1.4E-07	2.50E-03	0.000498	2.68E-05	0.004086	1.44E-07	0.004611
2427	496118.25	3859742.96	0.25222	0.32512	0.28661	0.2357	4.60E-04	2.8E-05	0.00152	2.5E-07	0.00201	5.63E-04	3.39E-05	0.001862	1.41E-07	2.46E-03	0.000497	2.61E-05	0.004009	1.45E-07	0.004532
2428	496218.25	3859742.96	0.24945	0.31885	0.28343	0.2419	4.55E-04	2.7E-05	0.00151	2.6E-07	0.00199	5.57E-04	3.32E-05	0.001841	1.44E-07	2.43E-03	0.000491	2.56E-05	0.003965	1.49E-07	0.004482
2429	496318.25	3859742.96	0.24299	0.31299	0.28056	0.2268	4.43E-04	2.7E-05	0.00149	2.4E-07	0.00196	5.43E-04	3.26E-05	0.001822	1.35E-07	2.40E-03	0.000479	2.51E-05	0.003925	1.4E-07	0.004429
2430	496418.25	3859742.96	0.2349	0.3083	0.27221	0.21107	4.28E-04	2.6E-05	0.00145	2.3E-07	0.0019	5.25E-04	3.21E-05	0.001768	1.26E-07	2.33E-03	0.000463	2.47E-05	0.003808	1.3E-07	0.004295
2431	495718.25	3859842.96	0.25433	0.31066	0.29904	0.27431	4.64E-04	2.6E-05	0.00159	2.9E-07	0.00208	5.68E-04	3.24E-05	0.001942	1.64E-07	2.54E-03	0.000501	2.49E-05	0.004183	1.69E-07	0.004709
2432	495818.25	3859842.96	0.24957	0.30916	0.29782	0.26342	4.55E-04	2.6E-05	0.00158	2.8E-07	0.00206	5.57E-04	3.22E-05	0.001934	1.57E-07	2.52E-03	0.000492	2.48E-05	0.004166	1.62E-07	0.004683
2433	495918.25	3859842.96	0.24886	0.30804	0.29468	0.25838	4.54E-04	2.6E-05	0.00157	2.8E-07	0.00205	5.56E-04	3.21E-05	0.001914	1.54E-07	2.50E-03	0.00049	2.47E-05	0.004122	1.59E-07	0.004637
2434	496018.25	3859842.96	0.24922	0.30991	0.29331	0.25861	4.54E-04	2.6E-05	0.00156	2.8E-07	0.00204	5.57E-04	3.23E-05	0.001905	1.54E-07	2.49E-03	0.000491	2.49E-05	0.004103	1.59E-07	0.004619
2435	496118.25	3859842.96	0.24995	0.31804	0.28836	0.2673	4.56E-04	2.7E-05	0.00153	2.9E-07	0.00202	5.58E-04	3.32E-05	0.001873	1.6E-07	2.46E-03	0.000492	2.55E-05	0.004034	1.65E-07	0.004552
2436	496218.25	3859842.96	0.24774	0.32459	0.28694	0.25204	4.52E-04	2.8E-05	0.00152	2.7E-07	0.002	5.53E-04	3.38E-05	0.001864	1.5E-07	2.45E-03	0.000488	2.6E-05	0.004014	1.55E-07	0.004528

2437	496318.25	3859842.96	0.23978	0.31867	0.28054	0.21697	4.37E-04	2.7E-05	0.00149	2.3E-07	0.00195	5.36E-04	3.32E-05	0.001822	1.29E-07	2.39E-03	0.000472	2.56E-05	0.003924	1.34E-07	0.004422
2438	496418.25	3859842.96	0.23102	0.30113	0.26809	0.19736	4.21E-04	2.6E-05	0.00142	2.1E-07	0.00187	5.16E-04	3.14E-05	0.001741	1.18E-07	2.29E-03	0.000455	2.42E-05	0.00375	1.22E-07	0.00423
2439	495718.25	3859942.96	0.2532	0.30078	0.29616	0.29475	4.62E-04	2.6E-05	0.00157	3.1E-07	0.00206	5.66E-04	3.14E-05	0.001924	1.76E-07	2.52E-03	0.000499	2.41E-05	0.004143	1.82E-07	0.004666
2440	495818.25	3859942.96	0.25155	0.29736	0.28923	0.28542	4.59E-04	2.5E-05	0.00154	3E-07	0.00202	5.62E-04	3.1E-05	0.001879	1.7E-07	2.47E-03	0.000495	2.39E-05	0.004046	1.76E-07	0.004565
2441	495918.25	3859942.96	0.24776	0.3023	0.28686	0.28136	4.52E-04	2.6E-05	0.00152	3E-07	0.002	5.53E-04	3.15E-05	0.001863	1.68E-07	2.45E-03	0.000488	2.42E-05	0.004013	1.73E-07	0.004525
2442	496018.25	3859942.96	0.24218	0.30523	0.28453	0.28109	4.41E-04	2.6E-05	0.00151	3E-07	0.00198	5.41E-04	3.18E-05	0.001848	1.68E-07	2.42E-03	0.000477	2.45E-05	0.00398	1.73E-07	0.004482
2443	496118.25	3859942.96	0.24137	0.2978	0.28465	0.26816	4.40E-04	2.5E-05	0.00151	2.9E-07	0.00198	5.39E-04	3.11E-05	0.001849	1.6E-07	2.42E-03	0.000475	2.39E-05	0.003982	1.65E-07	0.004481
2444	496218.25	3859942.96	0.24004	0.29101	0.28475	0.24708	4.38E-04	2.5E-05	0.00151	2.6E-07	0.00198	5.36E-04	3.03E-05	0.00185	1.47E-07	2.42E-03	0.000473	2.33E-05	0.003983	1.52E-07	0.00448
2445	496318.25	3859942.96	0.23648	0.28117	0.28032	0.22778	4.31E-04	2.4E-05	0.00149	2.4E-07	0.00194	5.28E-04	2.93E-05	0.001821	1.36E-07	2.38E-03	0.000466	2.26E-05	0.003921	1.4E-07	0.00441
2446	496418.25	3859942.96	0.22755	0.27694	0.27007	0.20404	4.15E-04	2.4E-05	0.00143	2.2E-07	0.00187	5.08E-04	2.89E-05	0.001754	1.22E-07	2.29E-03	0.000448	2.22E-05	0.003778	1.26E-07	0.004249
2447	496856.82	3858864.83	0.15315	0.20828	0.17528	0.13293	2.79E-04	1.8E-05	0.00093	1.4E-07	0.00123	3.42E-04	2.17E-05	0.001138	7.93E-08	1.50E-03	0.000302	1.67E-05	0.002452	8.2E-08	0.00277
2448	496956.82	3858864.83	0.15104	0.20455	0.17264	0.13105	2.75E-04	1.7E-05	0.00092	1.4E-07	0.00121	3.37E-04	2.13E-05	0.001121	7.82E-08	1.48E-03	0.000297	1.64E-05	0.002415	8.08E-08	0.002729
2449	497056.82	3858864.83	0.1501	0.20067	0.17034	0.1291	2.74E-04	1.7E-05	0.00091	1.4E-07	0.0012	3.35E-04	2.09E-05	0.001106	7.71E-08	1.46E-03	0.000296	1.61E-05	0.002383	7.96E-08	0.002695
2450	497156.82	3858864.83	0.14675	0.1937	0.16621	0.12649	2.67E-04	1.6E-05	0.00088	1.3E-07	0.00117	3.28E-04	2.02E-05	0.00108	7.55E-08	1.43E-03	0.000289	1.55E-05	0.002325	7.8E-08	0.00263
2451	497256.82	3858864.83	0.14698	0.19097	0.16615	0.12582	2.68E-04	1.6E-05	0.00088	1.3E-07	0.00117	3.28E-04	1.99E-05	0.001079	7.51E-08	1.43E-03	0.000289	1.53E-05	0.002324	7.76E-08	0.002629
2452	496856.82	3858964.83	0.16222	0.22199	0.18455	0.1387	2.96E-04	1.9E-05	0.00098	1.5E-07	0.0013	3.62E-04	2.31E-05	0.001199	8.28E-08	1.58E-03	0.000319	1.78E-05	0.002582	8.55E-08	0.002919
2453	496956.82	3858964.83	0.1586	0.21536	0.17971	0.13513	2.89E-04	1.8E-05	0.00095	1.4E-07	0.00126	3.54E-04	2.25E-05	0.001167	8.07E-08	1.54E-03	0.000312	1.73E-05	0.002514	8.33E-08	0.002844
2454	497056.82	3858964.83	0.15643	0.21356	0.17535	0.13205	2.85E-04	1.8E-05	0.00093	1.4E-07	0.00124	3.49E-04	2.23E-05	0.001139	7.88E-08	1.51E-03	0.000308	1.71E-05	0.002453	8.14E-08	0.002778
2455	497156.82	3858964.83	0.15205	0.20807	0.17313	0.12961	2.77E-04	1.8E-05	0.00092	1.4E-07	0.00121	3.40E-04	2.17E-05	0.001125	7.74E-08	1.49E-03	0.000299	1.67E-05	0.002422	7.99E-08	0.002738
2456	497256.82	3858964.83	0.1567	0.21093	0.17885	0.13086	2.86E-04	1.8E-05	0.00095	1.4E-07	0.00125	3.50E-04	2.2E-05	0.001162	7.81E-08	1.53E-03	0.000309	1.69E-05	0.002502	8.07E-08	0.002828
2457	496856.82	3859064.83	0.16719	0.2279	0.19222	0.14122	3.05E-04	1.9E-05	0.00102	1.5E-07	0.00135	3.73E-04	2.38E-05	0.001249	8.43E-08	1.65E-03	0.000329	1.83E-05	0.002689	8.71E-08	0.003037
2458	496956.82	3859064.83	0.16407	0.2279	0.18856	0.13816	2.99E-04	1.9E-05	0.001	1.5E-07	0.00132	3.66E-04	2.38E-05	0.001225	8.25E-08	1.62E-03	0.000323	1.83E-05	0.002638	8.52E-08	0.002979
2459	497056.82	3859064.83	0.1613	0.22541	0.18482	0.13743	2.94E-04	1.9E-05	0.00098	1.5E-07	0.0013	3.60E-04	2.35E-05	0.0012	8.2E-08	1.58E-03	0.000318	1.81E-05	0.002585	8.47E-08	0.002921
2460	497156.82	3859064.83	0.1598	0.21904	0.18352	0.13685	2.91E-04	1.9E-05	0.00098	1.5E-07	0.00129	3.57E-04	2.28E-05	0.001192	8.17E-08	1.57E-03	0.000315	1.76E-05	0.002567	8.44E-08	0.0029
2461	497256.82	3859064.83	0.16707	0.22463	0.19089	0.1413	3.05E-04	1.9E-05	0.00101	1.5E-07	0.00134	3.73E-04	2.34E-05	0.00124	8.43E-08	1.64E-03	0.000329	1.8E-05	0.00267	8.71E-08	0.003018
2462	496856.82	3859164.83	0.17126	0.21996	0.19335	0.1408	3.12E-04	1.9E-05	0.00103	1.5E-07	0.00136	3.83E-04	2.29E-05	0.001256	8.4E-08	1.66E-03	0.000337	1.76E-05	0.002705	8.68E-08	0.00306
2463	496956.82	3859164.83	0.16711	0.2146	0.18947	0.1383	3.05E-04	1.8E-05	0.00101	1.5E-07	0.00133	3.73E-04	2.24E-05	0.001231	8.25E-08	1.63E-03	0.000329	1.72E-05	0.00265	8.53E-08	0.002997
2464	497056.82	3859164.83	0.16571	0.21652	0.18845	0.13812	3.02E-04	1.8E-05	0.001	1.5E-07	0.00132	3.70E-04	2.26E-05	0.001224	8.24E-08	1.62E-03	0.000326	1.74E-05	0.002636	8.52E-08	0.00298
2465	497156.82	3859164.83	0.16871	0.22249	0.19246	0.14027	3.08E-04	1.9E-05	0.00102	1.5E-07	0.00135	3.77E-04	2.32E-05	0.00125	8.37E-08	1.65E-03	0.000332	1.78E-05	0.002692	8.65E-08	0.003043
2466	497256.82	3859164.83	0.17772	0.23795	0.20033	0.14544	3.24E-04	2E-05	0.00106	1.6E-07	0.00141	3.97E-04	2.48E-05	0.001301	8.68E-08	1.72E-03	0.00035	1.91E-05	0.002802	8.97E-08	0.003172
2467	496856.82	3859264.83	0.17265	0.2303	0.19524	0.14118	3.15E-04	2E-05	0.00104	1.5E-07	0.00137	3.86E-04	2.4E-05	0.001268	8.43E-08	1.68E-03	0.00034	1.85E-05	0.002731	8.7E-08	0.00309
2468	496956.82	3859264.83	0.17208	0.2312	0.19628	0.14116	3.14E-04	2E-05	0.00104	1.5E-07	0.00138	3.84E-04	2.41E-05	0.001275	8.43E-08	1.68E-03	0.000339	1.85E-05	0.002746	8.7E-08	0.003103
2469	497056.82	3859264.83	0.17549	0.23413	0.19971	0.14479	3.20E-04	2E-05	0.00106	1.5E-07	0.0014	3.92E-04	2.44E-05	0.001297	8.64E-08	1.71E-03	0.000346	1.88E-05	0.002794	8.93E-08	0.003158
2470	497156.82	3859264.83	0.17676	0.2343	0.20285	0.14886	3.22E-04	2E-05	0.00108	1.6E-07	0.00142	3.95E-04	2.44E-05	0.001318	8.88E-08	1.74E-03	0.000348	1.88E-05	0.002838	9.18E-08	0.003205
2471	497256.82	3859264.83	0.18539	0.24051	0.20866	0.15439	3.38E-04	2E-05	0.00111	1.6E-07	0.00147	4.14E-04	2.51E-05	0.001355	9.21E-08	1.79E-03	0.000365	1.93E-05	0.002919	9.52E-08	0.003303
2472	497088.92	3858620.93	0.12916	0.15747	0.14881	0.11675	2.35E-04	1.3E-05	0.00079	1.2E-07	0.00104	2.89E-04	1.64E-05	0.000967	6.97E-08	1.27E-03	0.000254	1.26E-05	0.002082	7.2E-08	0.002349
2473	497138.92	3858620.93	0.12914	0.15812	0.14998	0.11631	2.35E-04	1.3E-05	0.0008	1.2E-07	0.00105	2.88E-04	1.65E-05	0.000974	6.94E-08	1.28E-03	0.000254	1.27E-05	0.002098	7.17E-08	0.002365
2474	497188.92	3858620.93	0.12793	0.15819	0.14812	0.11491	2.33E-04	1.3E-05	0.00079	1.2E-07	0.00103	2.86E-04	1.65E-05	0.000962	6.86E-08	1.26E-03	0.000252	1.27E-05	0.002072	7.09E-08	0.002337
2475	497238.92	3858620.93	0.12753	0.15668	0.14803	0.11446	2.32E-04	1.3E-05	0.00079	1.2E-07	0.00103	2.85E-04	1.63E-05	0.000961	6.83E-08	1.26E-03	0.000251	1.26E-05	0.002071	7.06E-08	0.002335
2476	497088.92	3858670.93	0.13019	0.16349	0.15064	0.11773	2.37E-04	1.4E-05	0.0008	1.3E-07	0.00105	2.91E-04	1.7E-05	0.000978	7.03E-08	1.29E-03	0.000256	1.31E-05	0.002107	7.26E-08	0.002377
2477	497138.92	3858670.93	0.13073	0.16517	0.15321	0.11833	2.38E-04	1.4E-05	0.00081	1.3E-07	0.00107	2.92E-04	1.72E-05	0.000995	7.06E-08	1.30E-03	0.000257	1.32E-05	0.002143	7.3E-08	0.002414
2478	497188.92	3858670.93	0.12951	0.16309	0.15133	0.11697	2.36E-04	1.4E-05	0.0008	1.2E-07	0.00105	2.89E-04	1.7E-05	0.000983	6.98E-08	1.29E-03	0.000255	1.31E-05	0.002117	7.21E-08	0.002385
2479	497238.92	3858670.93	0.12968	0.1631	0.15195	0.11651	2.36E-04	1.4E-05	0.00081	1.2E-07	0.00106	2.90E-04	1.7E-05	0.000987	6.95E-08	1.29E-03	0.000255	1.31E-05	0.002126	7.18E-08	0.002394
2480	497088.92	3858720.93	0.13569	0.17186	0.15936	0.1216	2.47E-04	1.5E-05	0.00085	1.3E-07	0.00111	3.03E-04	1.79E-05	0.001035	7.26E-08	1.36E-03	0.000267	1.38E-05	0.002229	7.5E-08	0.00251
2481	497138.92	3858720.93	0.1312	0.16579	0.15303	0.11806	2.39E-04	1.4E-05	0.00081	1.3E-07	0.00107	2.93E-04	1.73E-05	0.000994	7.05E-08	1.30E-03	0.000258	1.33E-05	0.002141	7.28E-08	0.002413
2482	497188.92	3858720.93	0.13065	0.16431	0.15219	0.11743	2.38E-04	1.4E-05	0.00081	1.3E-07	0.00106	2.92E-04	1.71E-05	0.000989	7.01E-08	1.30E-03	0.000257	1.32E-05	0.002129	7.24E-08	0.0024
2483	497238.92	3858720.93	0.1338	0.16931	0.15767	0.11921	2.44E-04	1.4E-05	0.00084	1.3E-07	0.0011	2.99E-04	1.77E-05	0.001024	7.11E-08	1.34E-03	0.000264	1.36E-05	0.002206	7.35E-08	0.002483
2484	497088.92	3858770.93	0.13868	0.17554	0.16021	0.12415	2.53E-04	1.5E-05	0.00085	1.3E-07	0.00112	3.10E-04	1.83E-05	0.001041	7.41E-08	1.37E-03	0.000273	1.41E-05	0.002241	7.65E-08	0.002528
2485	497138.92	3858770.93	0.13661	0.17307	0.15835	0.12291	2.49E-04	1.5E-05	0.00084	1.3E-07	0.00111	3.05E-04	1.8E-05	0.001029	7.34E-08	1.35E-03	0.000269	1.39E-05	0.002215	7.58E-08	0.002498
2486	497188.92	3858770.93	0.13534	0.17015	0.15795	0.12145	2.47E-04	1.4E-05	0.00084	1.3E-07	0.0011	3.02E-04	1.77E-05	0.001026	7.25E-08	1.35E-03	0.000267	1.36E-05	0.00221	7.49E-08	0.00249
2487	497238.92	3858770.93	0.13756	0.17298	0.16016	0.12149	2.51E-04	1.5E-05	0.00085	1.3E-07	0.00112	3.07E-04	1.8E-05	0.00104	7.25E-08	1.37E-03	0.000271	1.39E-05	0.00224	7.49E-08	0.002525
2488	497396.65	3858622.63	0.13753	0.17189	0.16172	0.12046	2.51E-04	1.5E-05	0.00086	1.3E-07	0.00112	3.07E-04	1.79E-05	0.00105	7.19E-08	1.38E-03	0.000271	1.38E-05	0.002262	7.43E-08	0.002547
2489	497496.65	3858622.63	0.14232	0.17787	0.16622	0.12357	2.59E-04	1.5E-05	0.00088	1.3E-07	0.00116	3.18E-04	1.85E-05	0.00108	7.38E-08	1.42E-03	0.00028	1.43E-05	0.002325	7.62E-08	0.00262
2490	497596.65	3858622.63	0.15247	0.19509	0.18158	0.12995	2.78E-04	1.7E-05	0.00096	1.4E-07	0.00126	3.41E-04	2.03E-05	0.001179	7.76E-08	1.54E-03	0.0003	1.56E-05	0.00254	8.01E-08	0.002856
2491	497696.65	3858622.63	0.15626	0.20296	0.18588	0.13372	2.85E-04	1.7E-05	0.00099	1.4E-07	0.00129	3.49E-04	2.12E-05	0.001207	7.98E-08	1.58E-03	0.000308	1.63E-05	0.0026	8.24E-08	0.002924
2492	497796.65	3858622.63	0.16202	0.2113	0.19293	0.13994	2.95E-04	1.8E-05	0.00103	1.5E-07	0.00134	3.62E-04	2.2E-05	0.001253	8.35E-08	1.64E-03	0.000319	1.7E-05	0.002699	8.63E-08	0.003035
2493	497896.65	3858622.63	0.16823	0.21494	0.20112	0.14674	3.07E-04	1.8E-05	0.00107	1.6E-07	0.00139	3.76E-04	2.24E-05	0.001306	8.76E-08	1.70E-03	0.000331	1.72E-05	0.002813	9.05E-08	0.003162
2494	497396.65	3858722.63	0.1466	0.18543	0.16979	0.12565	2.67E-04	1.6E-05	0.0009	1.3E-07	0.00119	3.27E-04	1.93E-05	0.001103	7.5E-08	1.45E-03	0.000289	1.49E-05	0.002375	7.75E-08	0.002679
2495	497496.65	3858722.63	0.15102	0.19333	0.17695	0.12848	2.75E-04	1.6E-05	0.00094	1.4E-07	0.00123	3.37E-04	2.02E-05	0.001149	7.67E-08	1.51E-03	0.000297	1.55E-05	0.002475	7.92E-08	0.002788
2496	497596.65	3858722.63	0.16063	0.20649	0.19124	0.13529	2.93E-04	1.8E-05	0.00102	1.4E-07	0.00133	3.59E-04	2.15E-05	0.001242	8.07E-08	1.62E-03	0.000316	1.66E-05	0.002675	8.34E-08	0.003008
2497	497696.65	3858722.63	0.16422	0.21387	0.19745	0.1413	2.99E-04	1.8E-05	0.00105	1.5E-07	0.00137	3.67E-04	2.23E-05	0.001282	8.43E-08	1.67E-03	0.000323	1.72E-05	0.002762	8.71E-08	0.003103

2498	497796.65	3858722.63	0.16664	0.21744	0.20101	0.14431	3.04E-04	1.9E-05	0.00107	1.5E-07	0.00139	3.72E-04	2.27E-05	0.001306	8.61E-08	1.70E-03	0.000328	1.74E-05	0.002812	8.9E-08	0.003158
2499	497896.65	3858722.63	0.17113	0.22275	0.20752	0.1496	3.12E-04	1.9E-05	0.0011	1.6E-07	0.00143	3.82E-04	2.32E-05	0.001348	8.93E-08	1.75E-03	0.000337	1.79E-05	0.002903	9.22E-08	0.003258
2500	497396.65	3858822.63	0.15346	0.19299	0.17372	0.13014	2.80E-04	1.6E-05	0.00092	1.4E-07	0.00122	3.43E-04	2.01E-05	0.001128	7.77E-08	1.49E-03	0.000302	1.55E-05	0.00243	8.02E-08	0.002748
2501	497496.65	3858822.63	0.15845	0.2028	0.17966	0.1323	2.89E-04	1.7E-05	0.00095	1.4E-07	0.00126	3.54E-04	2.11E-05	0.001167	7.9E-08	1.54E-03	0.000312	1.63E-05	0.002513	8.16E-08	0.002842
2502	497596.65	3858822.63	0.16815	0.21992	0.19444	0.1403	3.07E-04	1.9E-05	0.00103	1.5E-07	0.00136	3.76E-04	2.29E-05	0.001263	8.37E-08	1.66E-03	0.000331	1.76E-05	0.00272	8.65E-08	0.003069
2503	497696.65	3858822.63	0.17108	0.22626	0.19996	0.1445	3.12E-04	1.9E-05	0.00106	1.5E-07	0.00139	3.82E-04	2.36E-05	0.001299	8.62E-08	1.70E-03	0.000337	1.82E-05	0.002797	8.91E-08	0.003152
2504	497796.65	3858822.63	0.17233	0.22984	0.20528	0.14787	3.14E-04	2E-05	0.00109	1.6E-07	0.00142	3.85E-04	2.4E-05	0.001333	8.83E-08	1.74E-03	0.000339	1.84E-05	0.002872	9.12E-08	0.00323
2505	497896.65	3858822.63	0.17692	0.23803	0.21334	0.15678	3.22E-04	2E-05	0.00113	1.7E-07	0.00148	3.95E-04	2.48E-05	0.001386	9.36E-08	1.81E-03	0.000348	1.91E-05	0.002984	9.67E-08	0.003352
2506	497396.65	3858922.63	0.15773	0.21296	0.18168	0.13368	2.88E-04	1.8E-05	0.00097	1.4E-07	0.00127	3.52E-04	2.22E-05	0.00118	7.98E-08	1.55E-03	0.000311	1.71E-05	0.002542	8.24E-08	0.002869
2507	497496.65	3858922.63	0.16615	0.22713	0.19297	0.14199	3.03E-04	1.9E-05	0.00103	1.5E-07	0.00135	3.71E-04	2.37E-05	0.001253	8.47E-08	1.65E-03	0.000327	1.82E-05	0.002699	8.75E-08	0.003045
2508	497596.65	3858922.63	0.16652	0.22627	0.19492	0.14208	3.04E-04	1.9E-05	0.00104	1.5E-07	0.00136	3.72E-04	2.36E-05	0.001266	8.48E-08	1.66E-03	0.000328	1.82E-05	0.002727	8.76E-08	0.003073
2509	497696.65	3858922.63	0.17746	0.24293	0.20792	0.15077	3.23E-04	2.1E-05	0.0011	1.6E-07	0.00145	3.96E-04	2.53E-05	0.001351	9E-08	1.77E-03	0.00035	1.95E-05	0.002909	9.3E-08	0.003278
2510	497796.65	3858922.63	0.18248	0.2481	0.21629	0.15867	3.33E-04	2.1E-05	0.00115	1.7E-07	0.0015	4.08E-04	2.59E-05	0.001405	9.47E-08	1.84E-03	0.000359	1.99E-05	0.003026	9.78E-08	0.003405
2511	497896.65	3858922.63	0.18977	0.25674	0.22547	0.17088	3.46E-04	2.2E-05	0.0012	1.8E-07	0.00157	4.24E-04	2.68E-05	0.001464	1.02E-07	1.92E-03	0.000374	2.06E-05	0.003154	1.05E-07	0.003549
2512	497364.44	3858201.52	0.12088	0.1509	0.139	0.11675	2.20E-04	1.3E-05	0.00074	1.2E-07	0.00097	2.70E-04	1.57E-05	0.000903	6.97E-08	1.19E-03	0.000238	1.21E-05	0.001944	7.2E-08	0.002195
2513	497414.44	3858201.52	0.12321	0.15367	0.14261	0.11823	2.25E-04	1.3E-05	0.00076	1.3E-07	0.001	2.75E-04	1.6E-05	0.000926	7.06E-08	1.22E-03	0.000243	1.23E-05	0.001995	7.29E-08	0.00225
2514	497464.44	3858201.52	0.12563	0.15616	0.14556	0.11959	2.29E-04	1.3E-05	0.00077	1.3E-07	0.00102	2.81E-04	1.63E-05	0.000945	7.14E-08	1.24E-03	0.000247	1.25E-05	0.002036	7.37E-08	0.002296
2515	497514.44	3858201.52	0.12638	0.15926	0.14626	0.12009	2.30E-04	1.4E-05	0.00078	1.3E-07	0.00102	2.82E-04	1.66E-05	0.00095	7.17E-08	1.25E-03	0.000249	1.28E-05	0.002046	7.4E-08	0.002308
2516	497564.44	3858201.52	0.12609	0.15972	0.14588	0.11982	2.30E-04	1.4E-05	0.00078	1.3E-07	0.00102	2.82E-04	1.67E-05	0.000948	7.15E-08	1.25E-03	0.000248	1.28E-05	0.002041	7.39E-08	0.002302
2517	497614.44	3858201.52	0.12661	0.16188	0.14686	0.12024	2.31E-04	1.4E-05	0.00078	1.3E-07	0.00102	2.83E-04	1.69E-05	0.000954	7.18E-08	1.25E-03	0.000249	1.3E-05	0.002054	7.41E-08	0.002317
2518	497364.44	3858251.52	0.12424	0.15396	0.14269	0.11893	2.26E-04	1.3E-05	0.00076	1.3E-07	0.001	2.78E-04	1.61E-05	0.000927	7.1E-08	1.22E-03	0.000245	1.24E-05	0.001996	7.33E-08	0.002253
2519	497414.44	3858251.52	0.12685	0.15821	0.14616	0.12093	2.31E-04	1.3E-05	0.00078	1.3E-07	0.00102	2.83E-04	1.65E-05	0.000949	7.22E-08	1.25E-03	0.00025	1.27E-05	0.002045	7.46E-08	0.002307
2520	497464.44	3858251.52	0.12599	0.15744	0.145	0.12011	2.30E-04	1.3E-05	0.00077	1.3E-07	0.00101	2.81E-04	1.64E-05	0.000942	7.17E-08	1.24E-03	0.000248	1.26E-05	0.002028	7.41E-08	0.002289
2521	497514.44	3858251.52	0.12482	0.15559	0.14347	0.11895	2.28E-04	1.3E-05	0.00076	1.3E-07	0.001	2.79E-04	1.62E-05	0.000932	7.1E-08	1.23E-03	0.000246	1.25E-05	0.002007	7.33E-08	0.002265
2522	497564.44	3858251.52	0.12466	0.15592	0.14332	0.11869	2.27E-04	1.3E-05	0.00076	1.3E-07	0.001	2.78E-04	1.63E-05	0.000931	7.08E-08	1.23E-03	0.000246	1.25E-05	0.002005	7.32E-08	0.002263
2523	497614.44	3858251.52	0.12452	0.15766	0.14331	0.11845	2.27E-04	1.3E-05	0.00076	1.3E-07	0.001	2.78E-04	1.64E-05	0.000931	7.07E-08	1.23E-03	0.000245	1.26E-05	0.002005	7.3E-08	0.002263
2524	497364.44	3858301.52	0.12459	0.15671	0.14284	0.12005	2.27E-04	1.3E-05	0.00076	1.3E-07	0.001	2.78E-04	1.63E-05	0.000928	7.17E-08	1.22E-03	0.000245	1.26E-05	0.001998	7.4E-08	0.002256
2525	497414.44	3858301.52	0.12652	0.15934	0.14588	0.1212	2.31E-04	1.4E-05	0.00078	1.3E-07	0.00102	2.83E-04	1.66E-05	0.000948	7.23E-08	1.25E-03	0.000249	1.28E-05	0.002041	7.47E-08	0.002303
2526	497464.44	3858301.52	0.12472	0.15728	0.14405	0.12003	2.27E-04	1.3E-05	0.00077	1.3E-07	0.00101	2.79E-04	1.64E-05	0.000936	7.16E-08	1.23E-03	0.000246	1.26E-05	0.002015	7.4E-08	0.002273
2527	497514.44	3858301.52	0.12399	0.15594	0.1431	0.11925	2.26E-04	1.3E-05	0.00076	1.3E-07	0.001	2.77E-04	1.63E-05	0.000929	7.12E-08	1.22E-03	0.000244	1.25E-05	0.002002	7.35E-08	0.002259
2528	497564.44	3858301.52	0.12276	0.15368	0.1413	0.11796	2.24E-04	1.3E-05	0.00075	1.3E-07	0.00099	2.74E-04	1.6E-05	0.000918	7.04E-08	1.21E-03	0.000242	1.23E-05	0.001977	7.27E-08	0.002231
2529	497614.44	3858301.52	0.12253	0.15344	0.14119	0.11762	2.23E-04	1.3E-05	0.00075	1.3E-07	0.00099	2.74E-04	1.6E-05	0.000917	7.02E-08	1.21E-03	0.000241	1.23E-05	0.001975	7.25E-08	0.002229
2530	497364.44	3858351.52	0.1271	0.15816	0.14625	0.11985	2.32E-04	1.3E-05	0.00078	1.3E-07	0.00102	2.84E-04	1.65E-05	0.00095	7.15E-08	1.25E-03	0.00025	1.27E-05	0.002046	7.39E-08	0.002309
2531	497414.44	3858351.52	0.12622	0.15754	0.14488	0.11929	2.30E-04	1.3E-05	0.00077	1.3E-07	0.00101	2.82E-04	1.64E-05	0.000941	7.12E-08	1.24E-03	0.000249	1.26E-05	0.002027	7.36E-08	0.002288
2532	497464.44	3858351.52	0.12603	0.15718	0.14468	0.11921	2.30E-04	1.3E-05	0.00077	1.3E-07	0.00101	2.82E-04	1.64E-05	0.00094	7.11E-08	1.24E-03	0.000248	1.26E-05	0.002024	7.35E-08	0.002285
2533	497514.44	3858351.52	0.12522	0.15654	0.14381	0.11878	2.28E-04	1.3E-05	0.00076	1.3E-07	0.00101	2.80E-04	1.63E-05	0.000934	7.09E-08	1.23E-03	0.000247	1.26E-05	0.002012	7.32E-08	0.002271
2534	497564.44	3858351.52	0.12278	0.15359	0.14103	0.11739	2.24E-04	1.3E-05	0.00075	1.3E-07	0.00099	2.74E-04	1.6E-05	0.000916	7.01E-08	1.21E-03	0.000242	1.23E-05	0.001973	7.24E-08	0.002227
2535	497614.44	3858351.52	0.12246	0.15285	0.14099	0.11723	2.23E-04	1.3E-05	0.00075	1.3E-07	0.00099	2.74E-04	1.59E-05	0.000916	7E-08	1.21E-03	0.000241	1.23E-05	0.001972	7.23E-08	0.002226
2536	497364.44	3858401.52	0.12473	0.15554	0.14401	0.11694	2.27E-04	1.3E-05	0.00077	1.2E-07	0.00101	2.79E-04	1.62E-05	0.000935	6.98E-08	1.23E-03	0.000246	1.25E-05	0.002015	7.21E-08	0.002273
2537	497414.44	3858401.52	0.12554	0.1555	0.14458	0.11705	2.29E-04	1.3E-05	0.00077	1.2E-07	0.00101	2.80E-04	1.62E-05	0.000939	6.99E-08	1.24E-03	0.000247	1.25E-05	0.002023	7.22E-08	0.002282
2538	497464.44	3858401.52	0.12464	0.15369	0.14333	0.11637	2.27E-04	1.3E-05	0.00076	1.2E-07	0.001	2.78E-04	1.6E-05	0.000931	6.95E-08	1.23E-03	0.000245	1.23E-05	0.002005	7.18E-08	0.002263
2539	497514.44	3858401.52	0.12446	0.15282	0.14326	0.11622	2.27E-04	1.3E-05	0.00076	1.2E-07	0.001	2.78E-04	1.59E-05	0.000931	6.94E-08	1.22E-03	0.000245	1.23E-05	0.002004	7.17E-08	0.002262
2540	497564.44	3858401.52	0.12693	0.15504	0.14807	0.11785	2.31E-04	1.3E-05	0.00079	1.3E-07	0.00103	2.84E-04	1.62E-05	0.000962	7.03E-08	1.26E-03	0.00025	1.24E-05	0.002071	7.27E-08	0.002334
2541	497614.44	3858401.52	0.12922	0.1579	0.15174	0.11955	2.36E-04	1.3E-05	0.00081	1.3E-07	0.00106	2.89E-04	1.65E-05	0.000986	7.14E-08	1.29E-03	0.000254	1.27E-05	0.002123	7.37E-08	0.00239
2542	493478.11	3860497.94	0.2908	0.37204	0.32147	0.45358	5.30E-04	3.2E-05	0.00171	4.8E-07	0.00227	6.50E-04	3.88E-05	0.002088	2.71E-07	2.78E-03	0.000573	2.98E-05	0.004497	2.8E-07	0.0051
2543	493528.11	3860497.94	0.28614	0.36476	0.31965	0.45146	5.22E-04	3.1E-05	0.0017	4.8E-07	0.00225	6.39E-04	3.8E-05	0.002076	2.69E-07	2.75E-03	0.000564	2.93E-05	0.004472	2.78E-07	0.005065
2544	493478.11	3860547.94	0.28353	0.37175	0.3181	0.4499	5.17E-04	3.2E-05	0.00169	4.8E-07	0.00224	6.33E-04	3.88E-05	0.002066	2.69E-07	2.74E-03	0.000558	2.98E-05	0.00445	2.77E-07	0.005038
2545	493528.11	3860547.94	0.28603	0.36799	0.3167	0.44626	5.21E-04	3.1E-05	0.00168	4.8E-07	0.00224	6.39E-04	3.84E-05	0.002057	2.66E-07	2.73E-03	0.000563	2.95E-05	0.00443	2.75E-07	0.005023
2546	493478.11	3860597.94	0.27473	0.37569	0.30963	0.44692	5.01E-04	3.2E-05	0.00165	4.8E-07	0.00218	6.14E-04	3.92E-05	0.002011	2.67E-07	2.66E-03	0.000541	3.01E-05	0.004331	2.76E-07	0.004903
2547	493528.11	3860597.94	0.27531	0.36695	0.3108	0.44417	5.02E-04	3.1E-05	0.00165	4.7E-07	0.00218	6.15E-04	3.83E-05	0.002019	2.65E-07	2.67E-03	0.000542	2.94E-05	0.004348	2.74E-07	0.00492
2548	493561.88	3860524.64	0.28429	0.36389	0.31594	0.44801	5.18E-04	3.1E-05	0.00168	4.8E-07	0.00223	6.35E-04	3.79E-05	0.002052	2.67E-07	2.73E-03	0.00056	2.92E-05	0.00442	2.76E-07	0.005009
2549	493591.88	3860524.64	0.28213	0.35881	0.31699	0.44565	5.14E-04	3.1E-05	0.00168	4.8E-07	0.00223	6.30E-04	3.74E-05	0.002059	2.66E-07	2.73E-03	0.000556	2.88E-05	0.004434	2.75E-07	0.005019
2550	493561.88	3860554.64	0.28453	0.36371	0.31467	0.44453	5.19E-04	3.1E-05	0.00167	4.7E-07	0.00222	6.36E-04	3.79E-05	0.002044	2.65E-07	2.72E-03	0.00056	2.92E-05	0.004402	2.74E-07	0.004992
2551	493591.88	3860554.64	0.28301	0.36201	0.31353	0.44389	5.16E-04	3.1E-05	0.00167	4.7E-07	0.00221	6.32E-04	3.77E-05	0.002036	2.65E-07	2.71E-03	0.000557	2.9E-05	0.004386	2.74E-07	0.004973
2552	492880.5	3860293.11	0.30906	0.42576	0.3487	0.50662	5.63E-04	3.6E-05	0.00185	5.4E-07	0.00245	6.90E-04	4.44E-05	0.002265	3.02E-07	3.00E-03	0.000609	3.42E-05	0.004878	3.12E-07	0.005521
2553	492930.5	3860293.11	0.31067	0.41826	0.34902	0.50185	5.66E-04	3.6E-05	0.00185	5.4E-07	0.00246	6.94E-04	4.36E-05	0.002267	3E-07	3.00E-03	0.000612	3.36E-05	0.004882	3.09E-07	0.005528
2554	492980.5	3860293.11	0.31326	0.41606	0.35089	0.49379	5.71E-04	3.5E-05	0.00186	5.3E-07	0.00247	7.00E-04	4.34E-05	0.002279	2.95E-07	3.02E-03	0.000617	3.34E-05	0.004909	3.04E-07	0.005559
2555	493030.5	3860293.11	0.31576	0.41543	0.35369	0.50265	5.76E-04	3.5E-05	0.00188	5.4E-07	0.00249	7.05E-04	4.33E-05	0.002297	3E-07	3.05E-03	0.000622	3.33E-05	0.004948	3.1E-07	0.005603
2556	493080.5	3860293.11	0.31849	0.41514	0.35576	0.50161	5.81E-04	3.5E-05	0.00189	5.4E-07	0.00251	7.11E-04	4.33E-05	0.002311	2.99E-07	3.07E-03	0.000627	3.33E-05	0.004977	3.09E-07	0.005638
2557	493130.5	3860293.11	0.31592	0.40431	0.35101	0.50719	5.76E-04	3.4E-05	0.00186	5.4E-07	0.00248	7.06E-04	4.22E-05	0.00228	3.03E-07	3.03E-03	0.000622	3.24E-05	0.00491	3.13E-07	0.005565
2558	493180.5	3860293.11	0.31101	0.40533	0.35132	0.49249	5.67E-04	3.4E-05	0.00187	5.3E-07	0.00247	6.95E-04	4.23E-05	0.002282	2.94E-07	3.02E-03	0.000613	3.25E-05	0.004915	3.04E-07	0.00556

2559	493230.5	3860293.11	0.30769	0.40477	0.35184	0.48263	5.61E-04	3.4E-05	0.00187	5.1E-07	0.00247	6.87E-04	4.22E-05	0.002285	2.88E-07	3.02E-03	0.000606	3.25E-05	0.004922	2.98E-07	0.005561
2560	493280.5	3860293.11	0.3069	0.40385	0.35208	0.47871	5.59E-04	3.4E-05	0.00187	5.1E-07	0.00246	6.86E-04	4.21E-05	0.002287	2.86E-07	3.01E-03	0.000604	3.24E-05	0.004925	2.95E-07	0.005562
2561	493330.5	3860293.11	0.30717	0.40498	0.3521	0.47466	5.60E-04	3.4E-05	0.00187	5.1E-07	0.00247	6.86E-04	4.22E-05	0.002287	2.83E-07	3.02E-03	0.000605	3.25E-05	0.004926	2.93E-07	0.005563
2562	493380.5	3860293.11	0.30677	0.40425	0.34699	0.46759	5.59E-04	3.4E-05	0.00184	5E-07	0.00244	6.85E-04	4.22E-05	0.002254	2.79E-07	2.98E-03	0.000604	3.24E-05	0.004854	2.88E-07	0.005491
2563	492880.5	3860343.11	0.30214	0.42152	0.34013	0.50552	5.51E-04	3.6E-05	0.00181	5.4E-07	0.00239	6.75E-04	4.4E-05	0.002209	3.02E-07	2.93E-03	0.000595	3.38E-05	0.004758	3.12E-07	0.005387
2564	492930.5	3860343.11	0.30163	0.42305	0.34275	0.4987	5.50E-04	3.6E-05	0.00182	5.3E-07	0.00241	6.74E-04	4.41E-05	0.002226	2.98E-07	2.94E-03	0.000594	3.39E-05	0.004795	3.07E-07	0.005423
2565	492980.5	3860343.11	0.30601	0.42164	0.34483	0.49558	5.58E-04	3.6E-05	0.00183	5.3E-07	0.00243	6.84E-04	4.4E-05	0.00224	2.96E-07	2.97E-03	0.000603	3.38E-05	0.004824	3.06E-07	0.005461
2566	493030.5	3860343.11	0.30719	0.41307	0.34581	0.49115	5.60E-04	3.5E-05	0.00184	5.2E-07	0.00243	6.86E-04	4.31E-05	0.002246	2.93E-07	2.98E-03	0.000605	3.31E-05	0.004838	3.03E-07	0.005476
2567	493080.5	3860343.11	0.31071	0.4156	0.35001	0.49896	5.66E-04	3.5E-05	0.00186	5.3E-07	0.00246	6.94E-04	4.33E-05	0.002273	2.98E-07	3.01E-03	0.000612	3.33E-05	0.004896	3.08E-07	0.005542
2568	493130.5	3860343.11	0.31083	0.40835	0.3481	0.49404	5.67E-04	3.5E-05	0.00185	5.3E-07	0.00245	6.94E-04	4.26E-05	0.002261	2.95E-07	3.00E-03	0.000612	3.28E-05	0.00487	3.05E-07	0.005515
2569	493180.5	3860343.11	0.31028	0.39905	0.34344	0.48215	5.66E-04	3.4E-05	0.00182	5.1E-07	0.00242	6.93E-04	4.16E-05	0.002231	2.88E-07	2.97E-03	0.000611	3.2E-05	0.004804	2.97E-07	0.005448
2570	493230.5	3860343.11	0.3068	0.39002	0.34153	0.4781	5.59E-04	3.3E-05	0.00181	5.1E-07	0.00241	6.85E-04	4.07E-05	0.002218	2.85E-07	2.94E-03	0.000604	3.13E-05	0.004778	2.95E-07	0.005413
2571	493280.5	3860343.11	0.30493	0.39715	0.34561	0.48369	5.56E-04	3.4E-05	0.00184	5.2E-07	0.00243	6.81E-04	4.14E-05	0.002245	2.89E-07	2.97E-03	0.000601	3.19E-05	0.004835	2.98E-07	0.005467
2572	493330.5	3860343.11	0.30324	0.39949	0.3467	0.47569	5.53E-04	3.4E-05	0.00184	5.1E-07	0.00243	6.77E-04	4.17E-05	0.002252	2.84E-07	2.97E-03	0.000597	3.2E-05	0.00485	2.93E-07	0.00548
2573	493380.5	3860343.11	0.3006	0.39511	0.34677	0.46935	5.48E-04	3.4E-05	0.00184	5E-07	0.00242	6.71E-04	4.12E-05	0.002252	2.8E-07	2.97E-03	0.000592	3.17E-05	0.004851	2.89E-07	0.005475
2574	492880.5	3860393.11	0.30078	0.41306	0.33188	0.50046	5.48E-04	3.5E-05	0.00176	5.3E-07	0.00235	6.72E-04	4.31E-05	0.002156	2.99E-07	2.87E-03	0.000592	3.31E-05	0.004643	3.09E-07	0.005268
2575	492930.5	3860393.11	0.29765	0.4113	0.3313	0.50087	5.43E-04	3.5E-05	0.00176	5.3E-07	0.00234	6.65E-04	4.29E-05	0.002152	2.99E-07	2.86E-03	0.000586	3.3E-05	0.004635	3.09E-07	0.005254
2576	492980.5	3860393.11	0.2976	0.41712	0.33581	0.49461	5.42E-04	3.5E-05	0.00178	5.3E-07	0.00236	6.65E-04	4.35E-05	0.002181	2.95E-07	2.89E-03	0.000586	3.35E-05	0.004698	3.05E-07	0.005318
2577	493030.5	3860393.11	0.29832	0.41857	0.3395	0.4881	5.44E-04	3.6E-05	0.0018	5.2E-07	0.00238	6.66E-04	4.36E-05	0.002205	2.91E-07	2.92E-03	0.000588	3.36E-05	0.004749	3.01E-07	0.005371
2578	493080.5	3860393.11	0.30145	0.41569	0.33985	0.49459	5.49E-04	3.5E-05	0.00181	5.3E-07	0.00239	6.73E-04	4.33E-05	0.002207	2.95E-07	2.92E-03	0.000594	3.33E-05	0.004754	3.05E-07	0.005382
2579	493130.5	3860393.11	0.30213	0.4053	0.34088	0.4811	5.51E-04	3.4E-05	0.00181	5.1E-07	0.0024	6.75E-04	4.23E-05	0.002214	2.87E-07	2.93E-03	0.000595	3.25E-05	0.004769	2.97E-07	0.005396
2580	493180.5	3860393.11	0.30193	0.3998	0.33891	0.47563	5.50E-04	3.4E-05	0.0018	5.1E-07	0.00239	6.74E-04	4.17E-05	0.002201	2.84E-07	2.92E-03	0.000595	3.21E-05	0.004741	2.93E-07	0.005368
2581	493230.5	3860393.11	0.30461	0.39423	0.33806	0.47135	5.55E-04	3.4E-05	0.0018	5E-07	0.00239	6.80E-04	4.11E-05	0.002196	2.81E-07	2.92E-03	0.0006	3.16E-05	0.004729	2.91E-07	0.005361
2582	493280.5	3860393.11	0.30482	0.39266	0.33767	0.47278	5.56E-04	3.3E-05	0.00179	5E-07	0.00238	6.81E-04	4.09E-05	0.002193	2.82E-07	2.92E-03	0.0006	3.15E-05	0.004724	2.92E-07	0.005356
2583	493330.5	3860393.11	0.30211	0.38455	0.33754	0.48221	5.51E-04	3.3E-05	0.00179	5.1E-07	0.00238	6.75E-04	4.01E-05	0.002192	2.88E-07	2.91E-03	0.000595	3.08E-05	0.004722	2.97E-07	0.005348
2584	493380.5	3860393.11	0.29906	0.38945	0.34054	0.47574	5.45E-04	3.3E-05	0.00181	5.1E-07	0.00239	6.68E-04	4.06E-05	0.002212	2.84E-07	2.92E-03	0.000589	3.12E-05	0.004764	2.93E-07	0.005384
2585	492880.5	3860443.11	0.30136	0.41143	0.32571	0.49412	5.49E-04	3.5E-05	0.00173	5.3E-07	0.00232	6.73E-04	4.29E-05	0.002116	2.95E-07	2.83E-03	0.000594	3.3E-05	0.004556	3.05E-07	0.005183
2586	492930.5	3860443.11	0.2984	0.40797	0.32633	0.49144	5.44E-04	3.5E-05	0.00173	5.2E-07	0.00231	6.67E-04	4.25E-05	0.00212	2.93E-07	2.83E-03	0.000588	3.27E-05	0.004565	3.03E-07	0.005186
2587	492980.5	3860443.11	0.29535	0.40602	0.32672	0.49204	5.38E-04	3.5E-05	0.00174	5.2E-07	0.00231	6.60E-04	4.23E-05	0.002122	2.94E-07	2.82E-03	0.000582	3.26E-05	0.00457	3.03E-07	0.005185
2588	493030.5	3860443.11	0.29206	0.40544	0.32627	0.49059	5.32E-04	3.5E-05	0.00173	5.2E-07	0.0023	6.52E-04	4.23E-05	0.002119	2.93E-07	2.81E-03	0.000575	3.25E-05	0.004564	3.02E-07	0.005172
2589	493080.5	3860443.11	0.29174	0.40908	0.32967	0.48373	5.32E-04	3.5E-05	0.00175	5.2E-07	0.00232	6.52E-04	4.27E-05	0.002141	2.89E-07	2.84E-03	0.000575	3.28E-05	0.004612	2.98E-07	0.005219
2590	493130.5	3860443.11	0.29219	0.40893	0.33172	0.47797	5.33E-04	3.5E-05	0.00176	5.1E-07	0.00233	6.53E-04	4.26E-05	0.002155	2.85E-07	2.85E-03	0.000575	3.28E-05	0.00464	2.95E-07	0.005249
2591	493180.5	3860443.11	0.29129	0.39947	0.32753	0.47563	5.31E-04	3.4E-05	0.00174	5.1E-07	0.00231	6.51E-04	4.17E-05	0.002127	2.84E-07	2.82E-03	0.000574	3.2E-05	0.004582	2.93E-07	0.005188
2592	493230.5	3860443.11	0.29503	0.39327	0.33239	0.47191	5.38E-04	3.3E-05	0.00177	5E-07	0.00234	6.59E-04	4.1E-05	0.002159	2.82E-07	2.86E-03	0.000581	3.15E-05	0.00465	2.91E-07	0.005263
2593	493280.5	3860443.11	0.29763	0.39297	0.33393	0.4669	5.43E-04	3.3E-05	0.00177	5E-07	0.00235	6.65E-04	4.1E-05	0.002169	2.79E-07	2.88E-03	0.000586	3.15E-05	0.004671	2.88E-07	0.005289
2594	493330.5	3860443.11	0.30124	0.38996	0.3346	0.46221	5.49E-04	3.3E-05	0.00178	4.9E-07	0.00236	6.73E-04	4.07E-05	0.002173	2.76E-07	2.89E-03	0.000593	3.13E-05	0.004681	2.85E-07	0.005306
2595	493380.5	3860443.11	0.29886	0.3854	0.33135	0.46334	5.45E-04	3.3E-05	0.00176	4.9E-07	0.00234	6.68E-04	4.02E-05	0.002152	2.77E-07	2.86E-03	0.000589	3.09E-05	0.004635	2.86E-07	0.005255
2596	493180.5	3860493.11	0.28532	0.39878	0.32255	0.47273	5.20E-04	3.4E-05	0.00171	5E-07	0.00227	6.37E-04	4.16E-05	0.002095	2.82E-07	2.77E-03	0.000562	3.2E-05	0.004512	2.91E-07	0.005106
2597	493230.5	3860493.11	0.28638	0.39956	0.32413	0.46834	5.22E-04	3.4E-05	0.00172	5E-07	0.00228	6.40E-04	4.17E-05	0.002105	2.8E-07	2.79E-03	0.000564	3.21E-05	0.004534	2.89E-07	0.005131
2598	493280.5	3860493.11	0.28792	0.39389	0.32382	0.46614	5.25E-04	3.4E-05	0.00172	5E-07	0.00228	6.43E-04	4.11E-05	0.002103	2.78E-07	2.79E-03	0.000567	3.16E-05	0.00453	2.87E-07	0.005129
2599	493330.5	3860493.11	0.28989	0.38621	0.32725	0.46249	5.28E-04	3.3E-05	0.00174	4.9E-07	0.0023	6.48E-04	4.03E-05	0.002126	2.76E-07	2.81E-03	0.000571	3.1E-05	0.004578	2.85E-07	0.00518
2600	493380.5	3860493.11	0.29224	0.3842	0.32703	0.45862	5.33E-04	3.3E-05	0.00174	4.9E-07	0.0023	6.53E-04	4.01E-05	0.002124	2.74E-07	2.82E-03	0.000576	3.08E-05	0.004575	2.83E-07	0.005181
2601	493330.5	3860543.11	0.28226	0.39303	0.31847	0.45906	5.15E-04	3.3E-05	0.00169	4.9E-07	0.00224	6.30E-04	4.1E-05	0.002069	2.74E-07	2.74E-03	0.000556	3.15E-05	0.004455	2.83E-07	0.005043
2602	493380.5	3860543.11	0.28185	0.38484	0.31801	0.45685	5.14E-04	3.3E-05	0.00169	4.9E-07	0.00224	6.30E-04	4.01E-05	0.002066	2.73E-07	2.74E-03	0.000555	3.09E-05	0.004449	2.82E-07	0.005035
2603	494135.94	3860876.85	0.24697	0.32171	0.27899	0.39799	4.50E-04	2.7E-05	0.00148	4.2E-07	0.00196	5.52E-04	3.35E-05	0.001812	2.38E-07	2.40E-03	0.000486	2.58E-05	0.003903	2.45E-07	0.004415
2604	494185.94	3860876.85	0.24646	0.31973	0.27672	0.3972	4.49E-04	2.7E-05	0.00147	4.2E-07	0.00195	5.51E-04	3.33E-05	0.001797	2.37E-07	2.38E-03	0.000485	2.56E-05	0.003871	2.45E-07	0.004382
2605	494135.94	3860926.85	0.24276	0.3245	0.27232	0.38981	4.43E-04	2.8E-05	0.00145	4.2E-07	0.00192	5.42E-04	3.38E-05	0.001769	2.33E-07	2.35E-03	0.000478	2.6E-05	0.003809	2.4E-07	0.004314
2606	494185.94	3860926.85	0.24235	0.31804	0.27295	0.39256	4.42E-04	2.7E-05	0.00145	4.2E-07	0.00192	5.41E-04	3.32E-05	0.001773	2.34E-07	2.35E-03	0.000477	2.55E-05	0.003818	2.42E-07	0.004321
2607	494135.94	3860976.85	0.23736	0.32095	0.26472	0.38026	4.33E-04	2.7E-05	0.00141	4.1E-07	0.00187	5.30E-04	3.35E-05	0.001719	2.27E-07	2.28E-03	0.000467	2.57E-05	0.003703	2.34E-07	0.004197
2608	494185.94	3860976.85	0.23819	0.32407	0.26649	0.38309	4.34E-04	2.8E-05	0.00142	4.1E-07	0.00188	5.32E-04	3.38E-05	0.001731	2.29E-07	2.30E-03	0.000469	2.6E-05	0.003728	2.36E-07	0.004223
2609	494135.94	3861026.85	0.23063	0.31387	0.25917	0.38826	4.20E-04	2.7E-05	0.00138	4.1E-07	0.00182	5.15E-04	3.27E-05	0.001683	2.32E-07	2.23E-03	0.000454	2.52E-05	0.003626	2.39E-07	0.004105
2610	494185.94	3861026.85	0.23135	0.31175	0.26004	0.37893	4.22E-04	2.7E-05	0.00138	4E-07	0.00183	5.17E-04	3.25E-05	0.001689	2.26E-07	2.24E-03	0.000456	2.5E-05	0.003638	2.34E-07	0.004119
2611	494135.94	3861076.85	0.22954	0.31392	0.25287	0.38567	4.18E-04	2.7E-05	0.00134	4.1E-07	0.00179	5.13E-04	3.27E-05	0.001642	2.3E-07	2.19E-03	0.000452	2.52E-05	0.003537	2.38E-07	0.004015
2612	494185.94	3861076.85	0.22674	0.31078	0.25344	0.3866	4.13E-04	2.6E-05	0.00135	4.1E-07	0.00179	5.06E-04	3.24E-05	0.001646	2.31E-07	2.19E-03	0.000447	2.49E-05	0.003545	2.38E-07	0.004017
2613	490360.04	3858710.04	0.75462	0.95442	0.72936	1.04962	1.38E-03	8.1E-05	0.00388	1.1E-06	0.00533	1.69E-03	9.95E-05	0.004737	6.26E-07	6.52E-03	0.001486	7.66E-05	0.010203	6.47E-07	0.011766
2614	490410.04	3858710.04	0.74575	0.93678	0.72168	1.02293	1.36E-03	8E-05	0.00383	1.1E-06	0.00527	1.67E-03	9.77E-05	0.004688	6.11E-07	6.45E-03	0.001469	7.51E-05	0.010096	6.31E-07	0.01164
2615	490460.04	3858710.04	0.73744	0.89965	0.71738	0.99133	1.34E-03	7.7E-05	0.00381	1.1E-06	0.00523	1.65E-03	9.38E-05	0.00466	5.92E-07	6.40E-03	0.001452	7.22E-05	0.010035	6.11E-07	0.011561
2616	490510.04	3858710.04	0.72939	0.88181	0.71385	0.97567	1.33E-03	7.5E-05	0.00379	1E-06	0.0052	1.63E-03	9.2E-05	0.004637	5.82E-07	6.36E-03	0.001437	7.07E-05	0.009986	6.02E-07	0.011494
2617	490560.04	3858710.04	0.72338	0.88976	0.69543	0.95903	1.32E-03	7.6E-05	0.00369	1E-06	0.00509	1.62E-03	9.28E-05	0.004517	5.72E-07	6.23E-03	0.001425	7.14E-05	0.009728	5.91E-07	0.011225
2618	490610.04	3858710.04	0.7184	0.90181	0.68924	0.94081	1.31E-03	7.7E-05	0.00366	1E-06	0.00505	1.60E-03	9.4E-05	0.004477	5.62E-07	6.18E-03	0.001415	7.23E-05	0.009642	5.8E-07	0.01113
2619	490660.04	3858710.04	0.70745	0.90197	0.67789	0.93017	1.29E-03	7.7E-05	0.0036	9.9E-07	0.00497	1.58E-03	9.41E-05	0.004403	5.55E-07	6.08E-03	0.001393	7.24E-05	0.009483	5.74E-07	0.010949

2620	490710.04	3858710.04	0.69324	0.88694	0.67675	0.91101	1.26E-03	7.5E-05	0.0036	9.7E-07	0.00494	1.55E-03	9.25E-05	0.004396	5.44E-07	6.04E-03	0.001365	7.11E-05	0.009467	5.62E-07	0.010904
2621	490760.04	3858710.04	0.67984	0.87218	0.66709	0.89086	1.24E-03	7.4E-05	0.00354	9.5E-07	0.00486	1.52E-03	9.09E-05	0.004333	5.32E-07	5.94E-03	0.001339	7E-05	0.009332	5.49E-07	0.010741
2622	490810.04	3858710.04	0.66935	0.86709	0.66831	0.86983	1.22E-03	7.4E-05	0.00355	9.3E-07	0.00485	1.50E-03	9.04E-05	0.004341	5.19E-07	5.93E-03	0.001318	6.96E-05	0.009349	5.36E-07	0.010737
2623	490860.04	3858710.04	0.66005	0.88363	0.66252	0.84393	1.20E-03	7.5E-05	0.00352	9E-07	0.0048	1.47E-03	9.21E-05	0.004303	5.04E-07	5.87E-03	0.0013	7.09E-05	0.009268	5.2E-07	0.010639
2624	490360.04	3858760.04	0.73701	0.9495	0.71727	1.04854	1.34E-03	8.1E-05	0.00381	1.1E-06	0.00524	1.65E-03	9.9E-05	0.004659	6.26E-07	6.40E-03	0.001452	7.62E-05	0.010034	6.46E-07	0.011562
2625	490410.04	3858760.04	0.72784	0.93264	0.70726	1.02205	1.33E-03	7.9E-05	0.00376	1.1E-06	0.00516	1.63E-03	9.73E-05	0.004594	6.1E-07	6.32E-03	0.001433	7.48E-05	0.009894	6.3E-07	0.011403
2626	490460.04	3858760.04	0.71932	0.92617	0.71156	0.99431	1.31E-03	7.9E-05	0.00378	1.1E-06	0.00517	1.61E-03	9.66E-05	0.004622	5.93E-07	6.33E-03	0.001417	7.43E-05	0.009954	6.13E-07	0.011446
2627	490510.04	3858760.04	0.71172	0.91815	0.70619	0.96582	1.30E-03	7.8E-05	0.00375	1E-06	0.00513	1.59E-03	9.57E-05	0.004587	5.76E-07	6.27E-03	0.001402	7.37E-05	0.009879	5.95E-07	0.011355
2628	490560.04	3858760.04	0.70707	0.88394	0.7029	0.94511	1.29E-03	7.5E-05	0.00373	1E-06	0.0051	1.58E-03	9.22E-05	0.004566	5.64E-07	6.24E-03	0.001393	7.09E-05	0.009833	5.83E-07	0.011297
2629	490610.04	3858760.04	0.70007	0.85082	0.69831	0.92233	1.28E-03	7.2E-05	0.00371	9.8E-07	0.00506	1.56E-03	8.87E-05	0.004536	5.5E-07	6.19E-03	0.001379	6.83E-05	0.009769	5.69E-07	0.011216
2630	490660.04	3858760.04	0.68947	0.84926	0.68113	0.90104	1.26E-03	7.2E-05	0.00362	9.6E-07	0.00495	1.54E-03	8.86E-05	0.004424	5.38E-07	6.05E-03	0.001358	6.81E-05	0.009528	5.56E-07	0.010955
2631	490710.04	3858760.04	0.67511	0.86359	0.67613	0.885	1.23E-03	7.3E-05	0.00359	9.4E-07	0.0049	1.51E-03	9.01E-05	0.004392	5.28E-07	5.99E-03	0.00133	6.93E-05	0.009458	5.46E-07	0.010858
2632	490760.04	3858760.04	0.66064	0.87296	0.66438	0.86787	1.20E-03	7.4E-05	0.00353	9.3E-07	0.00481	1.48E-03	9.1E-05	0.004315	5.18E-07	5.88E-03	0.001301	7E-05	0.009294	5.35E-07	0.010666
2633	490810.04	3858760.04	0.6542	0.86261	0.65892	0.84912	1.19E-03	7.3E-05	0.0035	9.1E-07	0.00477	1.46E-03	9E-05	0.00428	5.07E-07	5.83E-03	0.001288	6.92E-05	0.009218	5.24E-07	0.010576
2634	490860.04	3858760.04	0.64672	0.8445	0.65102	0.83121	1.18E-03	7.2E-05	0.00346	8.9E-07	0.00471	1.44E-03	8.81E-05	0.004229	4.96E-07	5.76E-03	0.001274	6.77E-05	0.009107	5.12E-07	0.010449
2635	490360.04	3858810.04	0.73019	0.9373	0.70675	1.04113	1.33E-03	8E-05	0.00376	1.1E-06	0.00517	1.63E-03	9.77E-05	0.004591	6.21E-07	6.32E-03	0.001438	7.52E-05	0.009887	6.42E-07	0.011401
2636	490410.04	3858810.04	0.71637	0.91013	0.70516	1.01959	1.31E-03	7.7E-05	0.00375	1.1E-06	0.00513	1.60E-03	9.49E-05	0.00458	6.09E-07	6.28E-03	0.001411	7.3E-05	0.009864	6.29E-07	0.011349
2637	490460.04	3858810.04	0.70647	0.91758	0.70306	0.99628	1.29E-03	7.8E-05	0.00374	1.1E-06	0.0051	1.58E-03	9.57E-05	0.004567	5.95E-07	6.24E-03	0.001391	7.36E-05	0.009835	6.14E-07	0.011301
2638	490510.04	3858810.04	0.69671	0.91772	0.69188	0.97553	1.27E-03	7.8E-05	0.00368	1E-06	0.00503	1.56E-03	9.57E-05	0.004494	5.82E-07	6.15E-03	0.001372	7.36E-05	0.009679	6.01E-07	0.011125
2639	490560.04	3858810.04	0.68985	0.89646	0.69294	0.95275	1.26E-03	7.6E-05	0.00368	1E-06	0.00502	1.54E-03	9.35E-05	0.004501	5.69E-07	6.14E-03	0.001359	7.19E-05	0.009694	5.87E-07	0.011125
2640	490610.04	3858810.04	0.68516	0.89429	0.68944	0.92416	1.25E-03	7.6E-05	0.00366	9.9E-07	0.00499	1.53E-03	9.33E-05	0.004478	5.52E-07	6.10E-03	0.001349	7.17E-05	0.009645	5.7E-07	0.011066
2641	490660.04	3858810.04	0.673	0.86918	0.68801	0.90027	1.23E-03	7.4E-05	0.00366	9.6E-07	0.00496	1.50E-03	9.06E-05	0.004469	5.37E-07	6.06E-03	0.001325	6.97E-05	0.009625	5.55E-07	0.01102
2642	490710.04	3858810.04	0.65834	0.82992	0.68228	0.87264	1.20E-03	7.1E-05	0.00363	9.3E-07	0.0049	1.47E-03	8.65E-05	0.004432	5.21E-07	5.99E-03	0.001297	6.66E-05	0.009544	5.38E-07	0.010908
2643	490760.04	3858810.04	0.64525	0.81329	0.66572	0.84031	1.18E-03	6.9E-05	0.00354	9E-07	0.00478	1.44E-03	8.48E-05	0.004324	5.02E-07	5.85E-03	0.001271	6.52E-05	0.009313	5.18E-07	0.010649
2644	490810.04	3858810.04	0.63792	0.82418	0.66017	0.82017	1.16E-03	7E-05	0.00351	8.7E-07	0.00474	1.42E-03	8.59E-05	0.004288	4.9E-07	5.80E-03	0.001256	6.61E-05	0.009235	5.06E-07	0.010558
2645	490860.04	3858810.04	0.62999	0.83398	0.6514	0.79587	1.15E-03	7.1E-05	0.00346	8.5E-07	0.00468	1.41E-03	8.7E-05	0.004231	4.75E-07	5.73E-03	0.001241	6.69E-05	0.009112	4.91E-07	0.010421
2646	490360.04	3858860.04	0.71962	0.93904	0.69887	1.0106	1.31E-03	8E-05	0.00371	1.1E-06	0.00511	1.61E-03	9.79E-05	0.004539	6.03E-07	6.25E-03	0.001417	7.53E-05	0.009776	6.23E-07	0.01127
2647	490410.04	3858860.04	0.70699	0.92917	0.69531	1.00286	1.29E-03	7.9E-05	0.00369	1.1E-06	0.00506	1.58E-03	9.69E-05	0.004516	5.99E-07	6.19E-03	0.001392	7.45E-05	0.009727	6.18E-07	0.011194
2648	490460.04	3858860.04	0.69265	0.91458	0.69271	0.97313	1.26E-03	7.8E-05	0.00368	1E-06	0.00502	1.55E-03	9.54E-05	0.004499	5.81E-07	6.14E-03	0.001364	7.34E-05	0.00969	6E-07	0.011128
2649	490510.04	3858860.04	0.68482	0.88581	0.68726	0.95796	1.25E-03	7.5E-05	0.00365	1E-06	0.00498	1.53E-03	9.24E-05	0.004464	5.72E-07	6.09E-03	0.001349	7.11E-05	0.009614	5.91E-07	0.011034
2650	490560.04	3858860.04	0.67669	0.87803	0.68571	0.93877	1.23E-03	7.5E-05	0.00364	1E-06	0.00495	1.51E-03	9.16E-05	0.004454	5.6E-07	6.06E-03	0.001333	7.04E-05	0.009592	5.79E-07	0.010996
2651	490610.04	3858860.04	0.66803	0.89691	0.67751	0.90592	1.22E-03	7.6E-05	0.0036	9.7E-07	0.00489	1.49E-03	9.35E-05	0.004401	5.41E-07	5.99E-03	0.001316	7.19E-05	0.009478	5.59E-07	0.010866
2652	490660.04	3858860.04	0.65801	0.87221	0.67443	0.88151	1.20E-03	7.4E-05	0.00358	9.4E-07	0.00486	1.47E-03	9.1E-05	0.004381	5.26E-07	5.94E-03	0.001296	7E-05	0.009435	5.44E-07	0.010801
2653	490710.04	3858860.04	0.64445	0.8617	0.6719	0.86315	1.17E-03	7.3E-05	0.00357	9.2E-07	0.00482	1.44E-03	8.99E-05	0.004364	5.15E-07	5.89E-03	0.001269	6.91E-05	0.009399	5.32E-07	0.010738
2654	490760.04	3858860.04	0.63257	0.84764	0.67256	0.83718	1.15E-03	7.2E-05	0.00357	8.9E-07	0.0048	1.41E-03	8.84E-05	0.004368	5E-07	5.87E-03	0.001246	6.8E-05	0.009408	5.16E-07	0.010723
2655	490810.04	3858860.04	0.62615	0.81541	0.6657	0.80823	1.14E-03	6.9E-05	0.00354	8.6E-07	0.00475	1.40E-03	8.5E-05	0.004324	4.82E-07	5.81E-03	0.001233	6.54E-05	0.009312	4.98E-07	0.010612
2656	490860.04	3858860.04	0.62095	0.78446	0.65322	0.77496	1.13E-03	6.7E-05	0.00347	8.3E-07	0.00467	1.39E-03	8.18E-05	0.004243	4.63E-07	5.71E-03	0.001223	6.29E-05	0.009138	4.78E-07	0.010424
2657	490360.04	3858910.04	0.7037	0.90454	0.69011	1.00382	1.28E-03	7.7E-05	0.00367	1.1E-06	0.00503	1.57E-03	9.43E-05	0.004482	5.99E-07	6.15E-03	0.001386	7.26E-05	0.009654	6.19E-07	0.011113
2658	490410.04	3858910.04	0.69226	0.90144	0.67894	0.98863	1.26E-03	7.7E-05	0.00361	1.1E-06	0.00495	1.55E-03	9.4E-05	0.00441	5.9E-07	6.05E-03	0.001363	7.23E-05	0.009498	6.1E-07	0.010934
2659	490460.04	3858910.04	0.68361	0.9048	0.68109	0.96396	1.25E-03	7.7E-05	0.00362	1E-06	0.00494	1.53E-03	9.43E-05	0.004424	5.75E-07	6.05E-03	0.001346	7.26E-05	0.009528	5.94E-07	0.010947
2660	490510.04	3858910.04	0.67142	0.89961	0.68125	0.94485	1.22E-03	7.7E-05	0.00362	1E-06	0.00492	1.50E-03	9.38E-05	0.004425	5.64E-07	6.02E-03	0.001322	7.22E-05	0.00953	5.83E-07	0.010925
2661	490560.04	3858910.04	0.66325	0.8917	0.67771	0.92077	1.21E-03	7.6E-05	0.0036	9.8E-07	0.00489	1.48E-03	9.3E-05	0.004402	5.5E-07	5.98E-03	0.001306	7.15E-05	0.00948	5.68E-07	0.010859
2662	490610.04	3858910.04	0.65391	0.86968	0.67136	0.88757	1.19E-03	7.4E-05	0.00357	9.5E-07	0.00483	1.46E-03	9.07E-05	0.004361	5.3E-07	5.91E-03	0.001288	6.98E-05	0.009392	5.47E-07	0.01075
2663	490660.04	3858910.04	0.64067	0.84549	0.66941	0.8609	1.17E-03	7.2E-05	0.00356	9.2E-07	0.0048	1.43E-03	8.82E-05	0.004348	5.14E-07	5.87E-03	0.001262	6.78E-05	0.009364	5.31E-07	0.010695
2664	490710.04	3858910.04	0.63337	0.86154	0.66135	0.83958	1.15E-03	7.3E-05	0.00351	9E-07	0.00474	1.41E-03	8.98E-05	0.004296	5.01E-07	5.80E-03	0.001247	6.91E-05	0.009252	5.18E-07	0.010569
2665	490760.04	3858910.04	0.62451	0.84753	0.65466	0.81016	1.14E-03	7.2E-05	0.00348	8.6E-07	0.00469	1.39E-03	8.84E-05	0.004252	4.84E-07	5.74E-03	0.00123	6.8E-05	0.009158	5E-07	0.010456
2666	490810.04	3858910.04	0.61695	0.8329	0.65889	0.78492	1.12E-03	7.1E-05	0.0035	8.4E-07	0.0047	1.38E-03	8.69E-05	0.00428	4.68E-07	5.75E-03	0.001215	6.68E-05	0.009217	4.84E-07	0.0105
2667	490860.04	3858910.04	0.6109	0.82584	0.66212	0.75483	1.11E-03	7E-05	0.00352	8.1E-07	0.0047	1.36E-03	8.61E-05	0.004301	4.51E-07	5.75E-03	0.001203	6.62E-05	0.009262	4.65E-07	0.010532
2668	490360.04	3858960.04	0.68785	0.89581	0.68044	1.00938	1.25E-03	7.6E-05	0.00362	1.1E-06	0.00495	1.54E-03	9.34E-05	0.00442	6.02E-07	6.05E-03	0.001355	7.19E-05	0.009519	6.22E-07	0.010946
2669	490410.04	3858960.04	0.68212	0.88698	0.68762	0.97679	1.24E-03	7.5E-05	0.00365	1E-06	0.00497	1.52E-03	9.25E-05	0.004466	5.83E-07	6.08E-03	0.001343	7.12E-05	0.009619	6.02E-07	0.011034
2670	490460.04	3858960.04	0.67084	0.88148	0.67277	0.94736	1.22E-03	7.5E-05	0.00357	1E-06	0.00487	1.50E-03	9.19E-05	0.00437	5.65E-07	5.96E-03	0.001321	7.07E-05	0.009411	5.84E-07	0.010804
2671	490510.04	3858960.04	0.66195	0.88105	0.66419	0.93117	1.21E-03	7.5E-05	0.00353	9.9E-07	0.00481	1.48E-03	9.19E-05	0.004314	5.56E-07	5.89E-03	0.001304	7.07E-05	0.009291	5.74E-07	0.010666
2672	490560.04	3858960.04	0.65311	0.87699	0.663	0.90721	1.19E-03	7.5E-05	0.00352	9.7E-07	0.00479	1.46E-03	9.15E-05	0.004306	5.41E-07	5.86E-03	0.001286	7.04E-05	0.009275	5.59E-07	0.010632
2673	490610.04	3858960.04	0.63625	0.87348	0.66878	0.87134	1.16E-03	7.4E-05	0.00355	9.3E-07	0.00479	1.42E-03	9.11E-05	0.004344	5.2E-07	5.86E-03	0.001253	7.01E-05	0.009356	5.37E-07	0.010679
2674	490660.04	3858960.04	0.63001	0.86877	0.66313	0.85737	1.15E-03	7.4E-05	0.00352	9.1E-07	0.00475	1.41E-03	9.06E-05	0.004307	5.12E-07	5.81E-03	0.001241	6.97E-05	0.009277	5.29E-07	0.010588
2675	490710.04	3858960.04	0.62315	0.84468	0.65582	0.82414	1.14E-03	7.2E-05	0.00348	8.8E-07	0.00469	1.39E-03	8.81E-05	0.00426	4.92E-07	5.74E-03	0.001227	6.78E-05	0.009174	5.08E-07	0.01047
2676	490760.04	3858960.04	0.61661	0.81884	0.65523	0.79417	1.12E-03	7E-05	0.00348	8.5E-07	0.00468	1.38E-03	8.54E-05	0.004256	4.74E-07	5.72E-03	0.001214	6.57E-05	0.009166	4.9E-07	0.010447
2677	490810.04	3858960.04	0.61128	0.82308	0.65319	0.76325	1.11E-03	7E-05	0.00347	8.1E-07	0.00466	1.37E-03	8.58E-05	0.004243	4.56E-07	5.69E-03	0.001204	6.6E-05	0.009137	4.71E-07	0.010408
2678	490860.04	3858960.04	0.6038	0.82553	0.64804	0.72995	1.10E-03	7E-05	0.00344	7.8E-07	0.00461	1.35E-03	8.61E-05	0.004209	4.36E-07	5.64E-03	0.001189	6.62E-05	0.009065	4.5E-07	0.010321
2679	490360.04	3859010.04	0.67001	0.8847	0.65561	1.00434	1.22E-03	7.5E-05	0.00348	1.1E-06	0.00478	1.50E-03	9.23E-05	0.004258	5.99E-07	5.85E-03	0.00132	7.1E-05	0.009171	6.19E-07	0.010562
2680	490410.04	3859010.04	0.66585	0.8734	0.65958	0.99283	1.21E-03	7.4E-05	0.0035	1.1E-06	0.00479	1.49E-03	9.11E-05	0.004284	5.93E-07	5.86E-03	0.001311	7.01E-05	0.009227	6.12E-07	0.010609

2681	490460.04	3859010.04	0.6608	0.8781	0.67128	0.95598	1.20E-03	7.5E-05	0.00357	1E-06	0.00485	1.48E-03	9.16E-05	0.00436	5.71E-07	5.93E-03	0.001301	7.04E-05	0.009391	5.89E-07	0.010763
2682	490510.04	3859010.04	0.64618	0.86717	0.67131	0.91855	1.18E-03	7.4E-05	0.00357	9.8E-07	0.00482	1.44E-03	9.04E-05	0.00436	5.48E-07	5.89E-03	0.001273	6.96E-05	0.009391	5.66E-07	0.010734
2683	490560.04	3859010.04	0.63689	0.8577	0.65479	0.88872	1.16E-03	7.3E-05	0.00348	9.5E-07	0.00471	1.42E-03	8.94E-05	0.004253	5.3E-07	5.77E-03	0.001254	6.88E-05	0.00916	5.48E-07	0.010484
2684	490610.04	3859010.04	0.62912	0.85663	0.65232	0.85125	1.15E-03	7.3E-05	0.00347	9.1E-07	0.00469	1.41E-03	8.93E-05	0.004237	5.08E-07	5.73E-03	0.001239	6.87E-05	0.009125	5.25E-07	0.010434
2685	490660.04	3859010.04	0.61832	0.84567	0.64994	0.84526	1.13E-03	7.2E-05	0.00345	9E-07	0.00465	1.38E-03	8.82E-05	0.004222	5.04E-07	5.69E-03	0.001218	6.78E-05	0.009092	5.21E-07	0.010378
2686	490710.04	3859010.04	0.60941	0.84565	0.6548	0.80692	1.11E-03	7.2E-05	0.00348	8.6E-07	0.00466	1.36E-03	8.82E-05	0.004253	4.82E-07	5.70E-03	0.0012	6.78E-05	0.00916	4.98E-07	0.010429
2687	490760.04	3859010.04	0.60464	0.83831	0.65596	0.77581	1.10E-03	7.1E-05	0.00349	8.3E-07	0.00466	1.35E-03	8.74E-05	0.004261	4.63E-07	5.70E-03	0.001191	6.72E-05	0.009176	4.78E-07	0.010435
2688	490810.04	3859010.04	0.5989	0.81784	0.65651	0.74668	1.09E-03	7E-05	0.00349	8E-07	0.00465	1.34E-03	8.53E-05	0.004264	4.46E-07	5.69E-03	0.00118	6.56E-05	0.009184	4.6E-07	0.010429
2689	490860.04	3859010.04	0.59033	0.79374	0.65796	0.71772	1.08E-03	6.8E-05	0.0035	7.7E-07	0.00464	1.32E-03	8.28E-05	0.004274	4.28E-07	5.68E-03	0.001163	6.37E-05	0.009204	4.43E-07	0.010431
2690	490360.04	3859060.04	0.66173	0.89065	0.63566	0.97624	1.21E-03	7.6E-05	0.00338	1E-06	0.00466	1.48E-03	9.29E-05	0.004129	5.83E-07	5.70E-03	0.001303	7.14E-05	0.008892	6.02E-07	0.010268
2691	490410.04	3859060.04	0.64698	0.87789	0.64154	0.94766	1.18E-03	7.5E-05	0.00341	1E-06	0.00466	1.45E-03	9.15E-05	0.004167	5.66E-07	5.70E-03	0.001274	7.04E-05	0.008975	5.84E-07	0.01032
2692	490460.04	3859060.04	0.64324	0.86637	0.64461	0.92076	1.17E-03	7.4E-05	0.00342	9.8E-07	0.00467	1.44E-03	9.03E-05	0.004187	5.5E-07	5.71E-03	0.001267	6.95E-05	0.009017	5.68E-07	0.010354
2693	490510.04	3859060.04	0.6319	0.85252	0.64873	0.90541	1.15E-03	7.3E-05	0.00345	9.7E-07	0.00467	1.41E-03	8.89E-05	0.004214	5.4E-07	5.71E-03	0.001245	6.84E-05	0.009075	5.58E-07	0.010389
2694	490560.04	3859060.04	0.62089	0.85614	0.66094	0.87381	1.13E-03	7.3E-05	0.00351	9.3E-07	0.00472	1.39E-03	8.93E-05	0.004293	5.22E-07	5.77E-03	0.001223	6.87E-05	0.009246	5.39E-07	0.010538
2695	490610.04	3859060.04	0.61429	0.84116	0.65168	0.85892	1.12E-03	7.2E-05	0.00346	9.2E-07	0.00465	1.37E-03	8.77E-05	0.004233	5.13E-07	5.69E-03	0.00121	6.75E-05	0.009116	5.3E-07	0.010394
2696	490660.04	3859060.04	0.60933	0.83134	0.63853	0.82581	1.11E-03	7.1E-05	0.00339	8.8E-07	0.00457	1.36E-03	8.67E-05	0.004147	4.93E-07	5.60E-03	0.0012	6.67E-05	0.008932	5.09E-07	0.0102
2697	490710.04	3859060.04	0.60275	0.82307	0.6407	0.78224	1.10E-03	7E-05	0.0034	8.3E-07	0.00457	1.35E-03	8.58E-05	0.004162	4.67E-07	5.59E-03	0.001187	6.6E-05	0.008963	4.82E-07	0.010216
2698	490760.04	3859060.04	0.59366	0.81322	0.64709	0.75647	1.08E-03	6.9E-05	0.00344	8.1E-07	0.00459	1.33E-03	8.48E-05	0.004203	4.51E-07	5.61E-03	0.001169	6.52E-05	0.009052	4.66E-07	0.010287
2699	490810.04	3859060.04	0.5903	0.81417	0.65551	0.72627	1.08E-03	6.9E-05	0.00348	7.7E-07	0.00463	1.32E-03	8.49E-05	0.004258	4.33E-07	5.66E-03	0.001163	6.53E-05	0.00917	4.48E-07	0.010398
2700	490860.04	3859060.04	0.58357	0.85326	0.66317	0.68668	1.06E-03	7.3E-05	0.00352	7.3E-07	0.00466	1.30E-03	8.9E-05	0.004307	4.1E-07	5.70E-03	0.001149	6.84E-05	0.009277	4.23E-07	0.010495
2701	490360.04	3859110.04	0.64889	0.88675	0.6178	0.97006	1.18E-03	7.5E-05	0.00328	1E-06	0.00454	1.45E-03	9.25E-05	0.004013	5.79E-07	5.56E-03	0.001278	7.11E-05	0.008642	5.98E-07	0.009992
2702	490410.04	3859110.04	0.63921	0.88483	0.62269	0.94641	1.17E-03	7.5E-05	0.00331	1E-06	0.00455	1.43E-03	9.23E-05	0.004045	5.65E-07	5.57E-03	0.001259	7.1E-05	0.008711	5.84E-07	0.010041
2703	490460.04	3859110.04	0.63096	0.868	0.62276	0.9176	1.15E-03	7.4E-05	0.00331	9.8E-07	0.00453	1.41E-03	9.05E-05	0.004045	5.48E-07	5.55E-03	0.001243	6.96E-05	0.008712	5.66E-07	0.010025
2704	490510.04	3859110.04	0.62104	0.8553	0.62882	0.87725	1.13E-03	7.3E-05	0.00334	9.4E-07	0.00455	1.39E-03	8.92E-05	0.004084	5.24E-07	5.56E-03	0.001223	6.86E-05	0.008797	5.41E-07	0.010089
2705	490560.04	3859110.04	0.61279	0.84143	0.63146	0.83778	1.12E-03	7.2E-05	0.00336	8.9E-07	0.00454	1.37E-03	8.77E-05	0.004102	5E-07	5.56E-03	0.001207	6.75E-05	0.008833	5.17E-07	0.010108
2706	490610.04	3859110.04	0.59927	0.82665	0.64235	0.80567	1.09E-03	7E-05	0.00341	8.6E-07	0.00458	1.34E-03	8.62E-05	0.004172	4.81E-07	5.60E-03	0.00118	6.63E-05	0.008986	4.97E-07	0.010233
2707	490660.04	3859110.04	0.58951	0.82901	0.65067	0.77087	1.07E-03	7.1E-05	0.00346	8.2E-07	0.0046	1.32E-03	8.64E-05	0.004226	4.6E-07	5.63E-03	0.001161	6.65E-05	0.009102	4.75E-07	0.01033
2708	490710.04	3859110.04	0.58403	0.81178	0.64197	0.76224	1.06E-03	6.9E-05	0.00341	8.1E-07	0.00455	1.30E-03	8.47E-05	0.00417	4.55E-07	5.56E-03	0.00115	6.51E-05	0.008981	4.7E-07	0.010196
2709	490760.04	3859110.04	0.58027	0.80152	0.63873	0.73611	1.06E-03	6.8E-05	0.00339	7.9E-07	0.00452	1.30E-03	8.36E-05	0.004149	4.39E-07	5.53E-03	0.001143	6.43E-05	0.008935	4.54E-07	0.010143
2710	490810.04	3859110.04	0.57204	0.84339	0.64786	0.69524	1.04E-03	7.2E-05	0.00344	7.4E-07	0.00456	1.28E-03	8.79E-05	0.004208	4.15E-07	5.57E-03	0.001127	6.77E-05	0.009063	4.29E-07	0.010258
2711	490860.04	3859110.04	0.57096	0.83939	0.66134	0.65589	1.04E-03	7.1E-05	0.00351	7E-07	0.00463	1.28E-03	8.75E-05	0.004296	3.91E-07	5.66E-03	0.001124	6.73E-05	0.009251	4.04E-07	0.010444
2712	490360.04	3859160.04	0.63888	0.86826	0.60966	0.97494	1.16E-03	7.4E-05	0.00324	1E-06	0.00448	1.43E-03	9.05E-05	0.00396	5.82E-07	5.48E-03	0.001258	6.96E-05	0.008529	6.01E-07	0.009857
2713	490410.04	3859160.04	0.62875	0.86885	0.60118	0.944	1.15E-03	7.4E-05	0.00319	1E-06	0.00442	1.40E-03	9.06E-05	0.003905	5.63E-07	5.40E-03	0.001238	6.97E-05	0.00841	5.82E-07	0.009718
2714	490460.04	3859160.04	0.619	0.86798	0.60385	0.91145	1.13E-03	7.4E-05	0.00321	9.7E-07	0.00441	1.38E-03	9.05E-05	0.003922	5.44E-07	5.40E-03	0.001219	6.96E-05	0.008447	5.62E-07	0.009737
2715	490510.04	3859160.04	0.60828	0.85971	0.60479	0.88618	1.11E-03	7.3E-05	0.00321	9.5E-07	0.0044	1.36E-03	8.96E-05	0.003928	5.29E-07	5.38E-03	0.001198	6.9E-05	0.00846	5.46E-07	0.009728
2716	490560.04	3859160.04	0.59912	0.84397	0.61429	0.84207	1.09E-03	7.2E-05	0.00326	9E-07	0.00443	1.34E-03	8.8E-05	0.00399	5.03E-07	5.42E-03	0.00118	6.77E-05	0.008593	5.19E-07	0.009841
2717	490610.04	3859160.04	0.58946	0.82947	0.61595	0.81239	1.07E-03	7.1E-05	0.00327	8.7E-07	0.00442	1.32E-03	8.65E-05	0.004001	4.85E-07	5.40E-03	0.001161	6.65E-05	0.008617	5.01E-07	0.009844
2718	490660.04	3859160.04	0.57737	0.8116	0.63122	0.75301	1.05E-03	6.9E-05	0.00335	8E-07	0.00448	1.29E-03	8.46E-05	0.0041	4.49E-07	5.47E-03	0.001137	6.51E-05	0.00883	4.64E-07	0.010033
2719	490710.04	3859160.04	0.56743	0.79556	0.64567	0.72198	1.03E-03	6.8E-05	0.00343	7.7E-07	0.00453	1.27E-03	8.3E-05	0.004194	4.31E-07	5.54E-03	0.001118	6.38E-05	0.009032	4.45E-07	0.010214
2720	490760.04	3859160.04	0.56322	0.8065	0.65482	0.67275	1.03E-03	6.9E-05	0.00348	7.2E-07	0.00458	1.26E-03	8.41E-05	0.004253	4.02E-07	5.60E-03	0.001109	6.47E-05	0.00916	4.15E-07	0.010335
2721	490810.04	3859160.04	0.56108	0.82411	0.65704	0.65308	1.02E-03	7E-05	0.00349	7E-07	0.00458	1.25E-03	8.59E-05	0.004268	3.9E-07	5.61E-03	0.001105	6.61E-05	0.009191	4.03E-07	0.010363
2722	490860.04	3859160.04	0.55914	0.82834	0.64893	0.61999	1.02E-03	7E-05	0.00345	6.6E-07	0.00454	1.25E-03	8.64E-05	0.004215	3.7E-07	5.55E-03	0.001101	6.64E-05	0.009078	3.82E-07	0.010246
2723	490360.04	3859210.04	0.62286	0.84391	0.60813	0.9685	1.14E-03	7.2E-05	0.00323	1E-06	0.00444	1.39E-03	8.8E-05	0.00395	5.78E-07	5.43E-03	0.001227	6.77E-05	0.008507	5.97E-07	0.009802
2724	490410.04	3859210.04	0.61588	0.84747	0.60313	0.96069	1.12E-03	7.2E-05	0.0032	1E-06	0.0044	1.38E-03	8.84E-05	0.003918	5.73E-07	5.38E-03	0.001213	6.8E-05	0.008437	5.92E-07	0.009719
2725	490460.04	3859210.04	0.61028	0.8554	0.58864	0.9153	1.11E-03	7.3E-05	0.00313	9.8E-07	0.00431	1.36E-03	8.92E-05	0.003823	5.46E-07	5.28E-03	0.001202	6.86E-05	0.008234	5.64E-07	0.009506
2726	490510.04	3859210.04	0.60022	0.84553	0.58806	0.88001	1.09E-03	7.2E-05	0.00312	9.4E-07	0.00429	1.34E-03	8.82E-05	0.00382	5.25E-07	5.25E-03	0.001182	6.78E-05	0.008226	5.43E-07	0.009477
2727	490560.04	3859210.04	0.59012	0.84471	0.58958	0.85315	1.08E-03	7.2E-05	0.00313	9.1E-07	0.00428	1.32E-03	8.81E-05	0.003829	5.09E-07	5.24E-03	0.001162	6.78E-05	0.008248	5.26E-07	0.009478
2728	490610.04	3859210.04	0.57952	0.83391	0.59082	0.81653	1.06E-03	7.1E-05	0.00314	8.7E-07	0.00427	1.29E-03	8.7E-05	0.003838	4.87E-07	5.22E-03	0.001141	6.69E-05	0.008265	5.03E-07	0.009474
2729	490660.04	3859210.04	0.56872	0.81612	0.5986	0.76099	1.04E-03	6.9E-05	0.00318	8.1E-07	0.00429	1.27E-03	8.51E-05	0.003888	4.54E-07	5.24E-03	0.00112	6.55E-05	0.008374	4.69E-07	0.00956
2730	490710.04	3859210.04	0.56335	0.80111	0.60852	0.7266	1.03E-03	6.8E-05	0.00323	7.8E-07	0.00433	1.26E-03	8.35E-05	0.003953	4.34E-07	5.29E-03	0.001109	6.43E-05	0.008513	4.48E-07	0.009687
2731	490760.04	3859210.04	0.55964	0.82846	0.62929	0.67687	1.02E-03	7E-05	0.00334	7.2E-07	0.00443	1.25E-03	8.64E-05	0.004087	4.04E-07	5.42E-03	0.001102	6.65E-05	0.008803	4.17E-07	0.009972
2732	490810.04	3859210.04	0.55203	0.8078	0.63856	0.66382	1.01E-03	6.9E-05	0.00339	7.1E-07	0.00447	1.23E-03	8.42E-05	0.004148	3.96E-07	5.47E-03	0.001087	6.48E-05	0.008933	4.09E-07	0.010085
2733	490860.04	3859210.04	0.54769	0.78164	0.63716	0.64801	9.98E-04	6.7E-05	0.00339	6.9E-07	0.00445	1.22E-03	8.15E-05	0.004139	3.87E-07	5.44E-03	0.001079	6.27E-05	0.008913	4E-07	0.010055
2734	490360.04	3859260.04	0.61472	0.81469	0.59522	0.95452	1.12E-03	6.9E-05	0.00316	1E-06	0.00435	1.37E-03	8.5E-05	0.003866	5.7E-07	5.32E-03	0.001211	6.54E-05	0.008327	5.89E-07	0.009603
2735	490410.04	3859260.04	0.60475	0.82093	0.59345	0.9266	1.10E-03	7E-05	0.00315	9.9E-07	0.00433	1.35E-03	8.56E-05	0.003855	5.53E-07	5.29E-03	0.001191	6.59E-05	0.008302	5.71E-07	0.009559
2736	490460.04	3859260.04	0.60068	0.82747	0.59278	0.91424	1.09E-03	7E-05	0.00315	9.8E-07	0.00432	1.34E-03	8.63E-05	0.00385	5.46E-07	5.28E-03	0.001183	6.64E-05	0.008292	5.64E-07	0.009542
2737	490510.04	3859260.04	0.59632	0.82381	0.57925	0.90544	1.09E-03	7E-05	0.00308	9.7E-07	0.00424	1.33E-03	8.59E-05	0.003762	5.4E-07	5.18E-03	0.001174	6.61E-05	0.008103	5.58E-07	0.009344
2738	490560.04	3859260.04	0.59024	0.83044	0.57206	0.87106	1.08E-03	7.1E-05	0.00304	9.3E-07	0.00419	1.32E-03	8.66E-05	0.003716	5.2E-07	5.12E-03	0.001162	6.66E-05	0.008003	5.37E-07	0.009232
2739	490610.04	3859260.04	0.57803	0.81488	0.57462	0.83101	1.05E-03	6.9E-05	0.00305	8.9E-07	0.00418	1.29E-03	8.5E-05	0.003732	4.96E-07	5.11E-03	0.001138	6.54E-05	0.008038	5.12E-07	0.009243
2740	490660.04	3859260.04	0.56745	0.81804	0.57038	0.81284	1.03E-03	7E-05	0.00303	8.7E-07	0.00414	1.27E-03	8.53E-05	0.003705	4.85E-07	5.06E-03	0.001118	6.56E-05	0.007979	5.01E-07	0.009163
2741	490710.04	3859260.04	0.55615	0.80512	0.57706	0.78136	1.01E-03	6.9E-05	0.00307	8.3E-07	0.00415	1.24E-03	8.4E-05	0.003748	4.66E-07	5.07E-03	0.001095	6.46E-05	0.008072	4.82E-07	0.009233

2742	490760.04	3859260.04	0.55113	0.7884	0.58424	0.73257	1.00E-03	6.7E-05	0.0031	7.8E-07	0.00418	1.23E-03	8.22E-05	0.003795	4.37E-07	5.11E-03	0.001085	6.32E-05	0.008173	4.52E-07	0.009322
2743	490810.04	3859260.04	0.54322	0.77474	0.58993	0.71442	9.90E-04	6.6E-05	0.00313	7.6E-07	0.00419	1.21E-03	8.08E-05	0.003832	4.26E-07	5.13E-03	0.00107	6.21E-05	0.008253	4.4E-07	0.009385
2744	490860.04	3859260.04	0.53846	0.75381	0.60386	0.69846	9.82E-04	6.4E-05	0.00321	7.5E-07	0.00425	1.20E-03	7.86E-05	0.003922	4.17E-07	5.20E-03	0.00106	6.05E-05	0.008447	4.31E-07	0.009569
2745	490360.04	3859310.04	0.59857	0.81309	0.58371	0.94644	1.09E-03	6.9E-05	0.0031	1E-06	0.00426	1.34E-03	8.48E-05	0.003791	5.65E-07	5.21E-03	0.001179	6.52E-05	0.008166	5.84E-07	0.00941
2746	490410.04	3859310.04	0.59316	0.79199	0.5916	0.93162	1.08E-03	6.7E-05	0.00314	9.9E-07	0.00429	1.32E-03	8.26E-05	0.003843	5.56E-07	5.25E-03	0.001168	6.35E-05	0.008276	5.74E-07	0.009508
2747	490460.04	3859310.04	0.58519	0.78898	0.57828	0.91038	1.07E-03	6.7E-05	0.00307	9.7E-07	0.00421	1.31E-03	8.23E-05	0.003756	5.43E-07	5.15E-03	0.001153	6.33E-05	0.00809	5.61E-07	0.009306
2748	490510.04	3859310.04	0.58588	0.79329	0.57783	0.88528	1.07E-03	6.8E-05	0.00307	9.4E-07	0.00421	1.31E-03	8.27E-05	0.003753	5.28E-07	5.15E-03	0.001154	6.36E-05	0.008083	5.46E-07	0.009301
2749	490560.04	3859310.04	0.58086	0.80047	0.57467	0.88128	1.06E-03	6.8E-05	0.00305	9.4E-07	0.00418	1.30E-03	8.35E-05	0.003733	5.26E-07	5.11E-03	0.001144	6.42E-05	0.008039	5.43E-07	0.009248
2750	490610.04	3859310.04	0.57601	0.79939	0.55699	0.86482	1.05E-03	6.8E-05	0.00296	9.2E-07	0.00408	1.29E-03	8.34E-05	0.003618	5.16E-07	4.99E-03	0.001134	6.41E-05	0.007792	5.33E-07	0.008991
2751	490660.04	3859310.04	0.5703	0.80277	0.55598	0.84659	1.04E-03	6.8E-05	0.00295	9E-07	0.00406	1.27E-03	8.37E-05	0.003611	5.05E-07	4.97E-03	0.001123	6.44E-05	0.007778	5.22E-07	0.008966
2752	490710.04	3859310.04	0.5574	0.78651	0.55594	0.81013	1.02E-03	6.7E-05	0.00295	8.6E-07	0.00404	1.25E-03	8.2E-05	0.003611	4.84E-07	4.94E-03	0.001098	6.31E-05	0.007777	5E-07	0.008938
2753	490760.04	3859310.04	0.54731	0.79152	0.55217	0.77674	9.98E-04	6.7E-05	0.00293	8.3E-07	0.004	1.22E-03	8.25E-05	0.003587	4.64E-07	4.89E-03	0.001078	6.35E-05	0.007724	4.79E-07	0.008866
2754	490810.04	3859310.04	0.53942	0.77757	0.56115	0.7541	9.83E-04	6.6E-05	0.00298	8E-07	0.00403	1.20E-03	8.11E-05	0.003645	4.5E-07	4.93E-03	0.001062	6.24E-05	0.00785	4.65E-07	0.008975
2755	490860.04	3859310.04	0.53303	0.7625	0.56917	0.73192	9.72E-04	6.5E-05	0.00302	7.8E-07	0.00406	1.19E-03	7.95E-05	0.003697	4.37E-07	4.97E-03	0.00105	6.12E-05	0.007962	4.51E-07	0.009074
2756	490360.04	3859360.04	0.57517	0.77204	0.57248	0.93628	1.05E-03	6.6E-05	0.00304	1E-06	0.00416	1.28E-03	8.05E-05	0.003718	5.59E-07	5.08E-03	0.001133	6.19E-05	0.008008	5.77E-07	0.009204
2757	490410.04	3859360.04	0.57609	0.77868	0.57035	0.93466	1.05E-03	6.6E-05	0.00303	1E-06	0.00415	1.29E-03	8.12E-05	0.003705	5.58E-07	5.07E-03	0.001135	6.25E-05	0.007979	5.76E-07	0.009176
2758	490460.04	3859360.04	0.57226	0.78085	0.57064	0.91465	1.04E-03	6.6E-05	0.00303	9.8E-07	0.00414	1.28E-03	8.14E-05	0.003706	5.46E-07	5.07E-03	0.001127	6.26E-05	0.007983	5.64E-07	0.009173
2759	490510.04	3859360.04	0.5694	0.76298	0.56755	0.89454	1.04E-03	6.5E-05	0.00302	9.5E-07	0.00412	1.27E-03	7.96E-05	0.003686	5.34E-07	5.04E-03	0.001121	6.12E-05	0.007939	5.52E-07	0.009123
2760	490560.04	3859360.04	0.56724	0.76404	0.56391	0.8699	1.03E-03	6.5E-05	0.003	9.3E-07	0.0041	1.27E-03	7.97E-05	0.003663	5.19E-07	5.01E-03	0.001117	6.13E-05	0.007889	5.36E-07	0.009068
2761	490610.04	3859360.04	0.56632	0.76731	0.55965	0.85649	1.03E-03	6.5E-05	0.00297	9.1E-07	0.00407	1.27E-03	8E-05	0.003635	5.11E-07	4.98E-03	0.001115	6.16E-05	0.007829	5.28E-07	0.009006
2762	490660.04	3859360.04	0.55969	0.77301	0.549	0.8512	1.02E-03	6.6E-05	0.00292	9.1E-07	0.004	1.25E-03	8.06E-05	0.003566	5.08E-07	4.90E-03	0.001102	6.2E-05	0.00768	5.25E-07	0.008845
2763	490710.04	3859360.04	0.5547	0.78072	0.54477	0.82478	1.01E-03	6.6E-05	0.00289	8.8E-07	0.00397	1.24E-03	8.14E-05	0.003538	4.92E-07	4.86E-03	0.001092	6.26E-05	0.007621	5.09E-07	0.008776
2764	490760.04	3859360.04	0.54622	0.77747	0.54235	0.801	9.96E-04	6.6E-05	0.00288	8.5E-07	0.00394	1.22E-03	8.11E-05	0.003523	4.78E-07	4.82E-03	0.001076	6.24E-05	0.007587	4.94E-07	0.008726
2765	490810.04	3859360.04	0.53754	0.76245	0.53662	0.79236	9.80E-04	6.5E-05	0.00285	8.5E-07	0.0039	1.20E-03	7.95E-05	0.003486	4.73E-07	4.77E-03	0.001059	6.12E-05	0.007507	4.89E-07	0.008627
2766	490860.04	3859360.04	0.52948	0.76592	0.53861	0.76805	9.65E-04	6.5E-05	0.00286	8.2E-07	0.00389	1.18E-03	7.99E-05	0.003498	4.58E-07	4.76E-03	0.001043	6.14E-05	0.007535	4.74E-07	0.008639
2767	490360.04	3859410.04	0.56629	0.7541	0.57344	0.9377	1.03E-03	6.4E-05	0.00305	1E-06	0.00414	1.26E-03	7.86E-05	0.003725	5.6E-07	5.07E-03	0.001115	6.05E-05	0.008022	5.78E-07	0.009198
2768	490410.04	3859410.04	0.55959	0.75016	0.56449	0.90972	1.02E-03	6.4E-05	0.003	9.7E-07	0.00408	1.25E-03	7.82E-05	0.003667	5.43E-07	5.00E-03	0.001102	6.02E-05	0.007897	5.61E-07	0.009059
2769	490460.04	3859410.04	0.55801	0.74512	0.55367	0.90991	1.02E-03	6.3E-05	0.00294	9.7E-07	0.00402	1.25E-03	7.77E-05	0.003596	5.43E-07	4.92E-03	0.001099	5.98E-05	0.007745	5.61E-07	0.008905
2770	490510.04	3859410.04	0.55637	0.75777	0.55434	0.88816	1.01E-03	6.4E-05	0.00295	9.5E-07	0.00402	1.24E-03	7.9E-05	0.003601	5.3E-07	4.92E-03	0.001096	6.08E-05	0.007755	5.48E-07	0.008912
2771	490560.04	3859410.04	0.5547	0.74499	0.55762	0.88083	1.01E-03	6.3E-05	0.00296	9.4E-07	0.00404	1.24E-03	7.77E-05	0.003622	5.26E-07	4.94E-03	0.001092	5.98E-05	0.007801	5.43E-07	0.008953
2772	490610.04	3859410.04	0.55235	0.7374	0.54908	0.8625	1.01E-03	6.3E-05	0.00292	9.2E-07	0.00399	1.23E-03	7.69E-05	0.003566	5.15E-07	4.88E-03	0.001088	5.92E-05	0.007681	5.32E-07	0.008829
2773	490660.04	3859410.04	0.54942	0.74128	0.54695	0.83472	1.00E-03	6.3E-05	0.00291	8.9E-07	0.00397	1.23E-03	7.73E-05	0.003553	4.98E-07	4.86E-03	0.001082	5.95E-05	0.007651	5.15E-07	0.008793
2774	490710.04	3859410.04	0.54367	0.74672	0.54344	0.82728	9.91E-04	6.4E-05	0.00289	8.8E-07	0.00394	1.21E-03	7.79E-05	0.00353	4.94E-07	4.82E-03	0.001071	5.99E-05	0.007602	5.1E-07	0.008733
2775	490760.04	3859410.04	0.53666	0.75299	0.52835	0.81457	9.78E-04	6.4E-05	0.00281	8.7E-07	0.00385	1.20E-03	7.85E-05	0.003432	4.86E-07	4.71E-03	0.001057	6.04E-05	0.007391	5.02E-07	0.008509
2776	490810.04	3859410.04	0.53464	0.75833	0.5295	0.79708	9.75E-04	6.5E-05	0.00281	8.5E-07	0.00385	1.19E-03	7.91E-05	0.003439	4.76E-07	4.71E-03	0.001053	6.08E-05	0.007407	4.91E-07	0.008521
2777	490860.04	3859410.04	0.52874	0.74657	0.5239	0.8007	9.64E-04	6.4E-05	0.00278	8.5E-07	0.00381	1.18E-03	7.79E-05	0.003403	4.78E-07	4.66E-03	0.001041	5.99E-05	0.007329	4.94E-07	0.008431
2778	490360.04	3859460.04	0.56268	0.7016	0.55782	0.87765	1.03E-03	6E-05	0.00296	9.4E-07	0.00405	1.26E-03	7.32E-05	0.003623	5.24E-07	4.95E-03	0.001108	5.63E-05	0.007803	5.41E-07	0.008968
2779	490410.04	3859460.04	0.554	0.72264	0.55673	0.90383	1.01E-03	6.1E-05	0.00296	9.6E-07	0.00403	1.24E-03	7.54E-05	0.003616	5.39E-07	4.93E-03	0.001091	5.8E-05	0.007788	5.57E-07	0.008938
2780	490460.04	3859460.04	0.54869	0.72995	0.5555	0.9005	1.00E-03	6.2E-05	0.00295	9.6E-07	0.00401	1.23E-03	7.61E-05	0.003608	5.37E-07	4.91E-03	0.001081	5.86E-05	0.007771	5.55E-07	0.008911
2781	490510.04	3859460.04	0.54468	0.72189	0.54138	0.87938	9.93E-04	6.1E-05	0.00288	9.4E-07	0.00393	1.22E-03	7.53E-05	0.003516	5.25E-07	4.81E-03	0.001073	5.79E-05	0.007573	5.42E-07	0.008705
2782	490560.04	3859460.04	0.5403	0.72454	0.54154	0.87325	9.85E-04	6.2E-05	0.00288	9.3E-07	0.00392	1.21E-03	7.56E-05	0.003517	5.21E-07	4.80E-03	0.001064	5.81E-05	0.007576	5.38E-07	0.008698
2783	490610.04	3859460.04	0.54105	0.73157	0.54022	0.85985	9.86E-04	6.2E-05	0.00287	9.2E-07	0.00392	1.21E-03	7.63E-05	0.003509	5.13E-07	4.79E-03	0.001066	5.87E-05	0.007557	5.3E-07	0.008682
2784	490660.04	3859460.04	0.54105	0.71678	0.53873	0.844	9.86E-04	6.1E-05	0.00286	9E-07	0.00391	1.21E-03	7.47E-05	0.003499	5.04E-07	4.78E-03	0.001066	5.75E-05	0.007536	5.2E-07	0.00866
2785	490710.04	3859460.04	0.53481	0.71156	0.53431	0.82794	9.75E-04	6.1E-05	0.00284	8.8E-07	0.00388	1.19E-03	7.42E-05	0.003471	4.94E-07	4.74E-03	0.001053	5.71E-05	0.007474	5.1E-07	0.008585
2786	490760.04	3859460.04	0.52906	0.71811	0.5293	0.81326	9.64E-04	6.1E-05	0.00281	8.7E-07	0.00384	1.18E-03	7.49E-05	0.003438	4.85E-07	4.70E-03	0.001042	5.76E-05	0.007404	5.01E-07	0.008504
2787	490810.04	3859460.04	0.52468	0.72684	0.52265	0.8041	9.56E-04	6.2E-05	0.00278	8.6E-07	0.0038	1.17E-03	7.58E-05	0.003395	4.8E-07	4.64E-03	0.001033	5.83E-05	0.007311	4.96E-07	0.008403
2788	490860.04	3859460.04	0.51853	0.72536	0.51427	0.80293	9.45E-04	6.2E-05	0.00273	8.6E-07	0.00374	1.16E-03	7.56E-05	0.00334	4.79E-07	4.57E-03	0.001021	5.82E-05	0.007194	4.95E-07	0.008274
2789	490360.04	3859510.04	0.55371	0.69818	0.53345	0.85165	1.01E-03	5.9E-05	0.00283	9.1E-07	0.0039	1.24E-03	7.28E-05	0.003465	5.08E-07	4.78E-03	0.001091	5.6E-05	0.007462	5.25E-07	0.008609
2790	490410.04	3859510.04	0.55042	0.68221	0.54375	0.82358	1.00E-03	5.8E-05	0.00289	8.8E-07	0.00395	1.23E-03	7.11E-05	0.003532	4.92E-07	4.83E-03	0.001084	5.47E-05	0.007607	5.08E-07	0.008746
2791	490460.04	3859510.04	0.54382	0.69126	0.5418	0.86306	9.91E-04	5.9E-05	0.00288	9.2E-07	0.00393	1.21E-03	7.21E-05	0.003519	5.15E-07	4.81E-03	0.001071	5.55E-05	0.007579	5.32E-07	0.008706
2792	490510.04	3859510.04	0.53863	0.70884	0.54501	0.87441	9.82E-04	6E-05	0.0029	9.3E-07	0.00394	1.20E-03	7.39E-05	0.00354	5.22E-07	4.82E-03	0.001061	5.69E-05	0.007624	5.39E-07	0.008742
2793	490560.04	3859510.04	0.53219	0.70574	0.53469	0.85837	9.70E-04	6E-05	0.00284	9.2E-07	0.00387	1.19E-03	7.36E-05	0.003473	5.12E-07	4.74E-03	0.001048	5.66E-05	0.00748	5.29E-07	0.008585
2794	490610.04	3859510.04	0.52861	0.69572	0.527	0.86119	9.64E-04	5.9E-05	0.0028	9.2E-07	0.00382	1.18E-03	7.25E-05	0.003423	5.14E-07	4.68E-03	0.001041	5.58E-05	0.007372	5.31E-07	0.00847
2795	490660.04	3859510.04	0.52684	0.71097	0.52856	0.83472	9.60E-04	6E-05	0.00281	8.9E-07	0.00383	1.18E-03	7.41E-05	0.003433	4.98E-07	4.68E-03	0.001038	5.7E-05	0.007394	5.15E-07	0.008489
2796	490710.04	3859510.04	0.5277	0.70645	0.52856	0.83448	9.62E-04	6E-05	0.00281	8.9E-07	0.00383	1.18E-03	7.37E-05	0.003433	4.98E-07	4.69E-03	0.001039	5.67E-05	0.007394	5.15E-07	0.00849
2797	490760.04	3859510.04	0.52756	0.69488	0.52254	0.80933	9.62E-04	5.9E-05	0.00278	8.6E-07	0.0038	1.18E-03	7.25E-05	0.003394	4.83E-07	4.65E-03	0.001039	5.57E-05	0.00731	4.99E-07	0.008405
2798	490810.04	3859510.04	0.51479	0.68828	0.51856	0.79968	9.38E-04	5.9E-05	0.00276	8.5E-07	0.00375	1.15E-03	7.18E-05	0.003368	4.77E-07	4.59E-03	0.001014	5.52E-05	0.007254	4.93E-07	0.008324
2799	490860.04	3859510.04	0.51129	0.69759	0.51313	0.79535	9.32E-04	5.9E-05	0.00273	8.5E-07	0.00372	1.14E-03	7.27E-05	0.003333	4.75E-07	4.55E-03	0.001007	5.6E-05	0.007178	4.9E-07	0.008242
2800	490360.04	3859560.04	0.54467	0.68643	0.51681	0.83916	9.93E-04	5.8E-05	0.00275	9E-07	0.0038	1.22E-03	7.16E-05	0.003357	5.01E-07	4.65E-03	0.001073	5.51E-05	0.00723	5.17E-07	0.008358
2801	490410.04	3859560.04	0.5434	0.67809	0.52532	0.83223	9.91E-04	5.8E-05	0.00279	8.9E-07	0.00384	1.21E-03	7.07E-05	0.003412	4.97E-07	4.70E-03	0.00107	5.44E-05	0.007349	5.13E-07	0.008474
2802	490460.04	3859560.04	0.53361	0.67219	0.52216	0.81678	9.73E-04	5.7E-05	0.00277	8.7E-07	0.00381	1.19E-03	7.01E-05	0.003392	4.87E-07	4.65E-03	0.001051	5.39E-05	0.007304	5.04E-07	0.00841

2803	490510.04	3859560.04	0.52985	0.66168	0.53015	0.82529	9.66E-04	5.6E-05	0.00282	8.8E-07	0.00384	1.18E-03	6.9E-05	0.003443	4.93E-07	4.70E-03	0.001044	5.31E-05	0.007416	5.09E-07	0.008513
2804	490560.04	3859560.04	0.52653	0.67968	0.53076	0.84515	9.60E-04	5.8E-05	0.00282	9E-07	0.00384	1.18E-03	7.09E-05	0.003447	5.04E-07	4.69E-03	0.001037	5.45E-05	0.007425	5.21E-07	0.008517
2805	490610.04	3859560.04	0.52231	0.69175	0.52668	0.84341	9.52E-04	5.9E-05	0.0028	9E-07	0.00381	1.17E-03	7.21E-05	0.003421	5.03E-07	4.66E-03	0.001029	5.55E-05	0.007368	5.2E-07	0.008452
2806	490660.04	3859560.04	0.51606	0.68071	0.51508	0.83017	9.41E-04	5.8E-05	0.00274	8.9E-07	0.00374	1.15E-03	7.1E-05	0.003346	4.95E-07	4.57E-03	0.001016	5.46E-05	0.007205	5.12E-07	0.008277
2807	490710.04	3859560.04	0.51264	0.68369	0.51623	0.82788	9.34E-04	5.8E-05	0.00274	8.8E-07	0.00374	1.15E-03	7.13E-05	0.003353	4.94E-07	4.57E-03	0.00101	5.48E-05	0.007222	5.1E-07	0.008287
2808	490760.04	3859560.04	0.51445	0.69134	0.51375	0.81048	9.38E-04	5.9E-05	0.00273	8.6E-07	0.00373	1.15E-03	7.21E-05	0.003337	4.84E-07	4.56E-03	0.001013	5.55E-05	0.007187	5E-07	0.008256
2809	490810.04	3859560.04	0.51476	0.68006	0.51047	0.80059	9.38E-04	5.8E-05	0.00271	8.5E-07	0.00371	1.15E-03	7.09E-05	0.003316	4.78E-07	4.54E-03	0.001014	5.46E-05	0.007141	4.94E-07	0.00821
2810	490860.04	3859560.04	0.50818	0.67379	0.51022	0.77909	9.26E-04	5.7E-05	0.00271	8.3E-07	0.0037	1.14E-03	7.03E-05	0.003314	4.65E-07	4.52E-03	0.001001	5.4E-05	0.007137	4.8E-07	0.008193
2811	490187.25	3859422.08	0.5921	0.73657	0.55842	0.91661	1.08E-03	6.3E-05	0.00297	9.8E-07	0.00411	1.32E-03	7.68E-05	0.003627	5.47E-07	5.03E-03	0.001166	5.91E-05	0.007812	5.65E-07	0.009038
2812	490237.25	3859422.08	0.58617	0.7337	0.55743	0.89775	1.07E-03	6.2E-05	0.00296	9.6E-07	0.00409	1.31E-03	7.65E-05	0.003621	5.36E-07	5.01E-03	0.001154	5.89E-05	0.007798	5.54E-07	0.009012
2813	490287.25	3859422.08	0.5767	0.71471	0.56697	0.89474	1.05E-03	6.1E-05	0.00301	9.5E-07	0.00413	1.29E-03	7.45E-05	0.003683	5.34E-07	5.05E-03	0.001136	5.73E-05	0.007931	5.52E-07	0.009125
2814	490337.25	3859422.08	0.56782	0.73355	0.5674	0.92087	1.04E-03	6.2E-05	0.00301	9.8E-07	0.00411	1.27E-03	7.65E-05	0.003685	5.5E-07	5.03E-03	0.001118	5.88E-05	0.007937	5.68E-07	0.009115
2815	490187.25	3859472.08	0.57949	0.7224	0.52838	0.88479	1.06E-03	6.1E-05	0.00281	9.4E-07	0.00393	1.29E-03	7.53E-05	0.003432	5.28E-07	4.80E-03	0.001141	5.79E-05	0.007392	5.46E-07	0.008591
2816	490237.25	3859472.08	0.57338	0.72628	0.53991	0.89423	1.05E-03	6.2E-05	0.00287	9.5E-07	0.00398	1.28E-03	7.57E-05	0.003507	5.34E-07	4.86E-03	0.001129	5.83E-05	0.007553	5.51E-07	0.008741
2817	490287.25	3859472.08	0.56944	0.71541	0.55085	0.87602	1.04E-03	6.1E-05	0.00293	9.3E-07	0.00403	1.27E-03	7.46E-05	0.003578	5.23E-07	4.93E-03	0.001121	5.74E-05	0.007706	5.4E-07	0.008885
2818	490337.25	3859472.08	0.56708	0.70334	0.54623	0.85316	1.03E-03	6E-05	0.0029	9.1E-07	0.004	1.27E-03	7.33E-05	0.003548	5.09E-07	4.89E-03	0.001117	5.64E-05	0.007641	5.26E-07	0.008815
2819	490297.07	3859500.42	0.56375	0.70577	0.5389	0.87504	1.03E-03	6E-05	0.00286	9.3E-07	0.00395	1.26E-03	7.36E-05	0.0035	5.22E-07	4.83E-03	0.00111	5.66E-05	0.007539	5.4E-07	0.008706
2820	490327.07	3859500.42	0.56037	0.70161	0.54177	0.86082	1.02E-03	6E-05	0.00288	9.2E-07	0.00396	1.25E-03	7.32E-05	0.003519	5.14E-07	4.84E-03	0.001104	5.63E-05	0.007579	5.31E-07	0.008739
2821	490297.07	3859530.42	0.55406	0.69876	0.51845	0.8492	1.01E-03	5.9E-05	0.00275	9.1E-07	0.00382	1.24E-03	7.29E-05	0.003367	5.07E-07	4.68E-03	0.001091	5.61E-05	0.007253	5.24E-07	0.0084
2822	490327.07	3859530.42	0.55372	0.69839	0.52754	0.86006	1.01E-03	5.9E-05	0.0028	9.2E-07	0.00387	1.24E-03	7.28E-05	0.003427	5.13E-07	4.74E-03	0.001091	5.6E-05	0.00738	5.3E-07	0.008527
2823	490319.73	3859055.34	0.67661	0.89874	0.63891	0.99733	1.23E-03	7.6E-05	0.00339	1.1E-06	0.00471	1.51E-03	9.37E-05	0.00415	5.95E-07	5.76E-03	0.001333	7.21E-05	0.008938	6.15E-07	0.010343
2824	490319.73	3859105.34	0.65979	0.88534	0.61607	0.99037	1.20E-03	7.5E-05	0.00327	1.1E-06	0.00455	1.47E-03	9.23E-05	0.004002	5.91E-07	5.57E-03	0.001299	7.1E-05	0.008618	6.11E-07	0.009989
2825	490069.73	3859155.34	0.70442	0.88751	0.63589	1.10003	1.28E-03	7.6E-05	0.00338	1.2E-06	0.00474	1.57E-03	9.25E-05	0.00413	6.57E-07	5.80E-03	0.001387	7.12E-05	0.008895	6.78E-07	0.010355
2826	490119.73	3859155.34	0.69365	0.89037	0.62935	1.07405	1.26E-03	7.6E-05	0.00334	1.1E-06	0.00469	1.55E-03	9.28E-05	0.004088	6.41E-07	5.73E-03	0.001366	7.14E-05	0.008804	6.62E-07	0.010242
2827	490269.73	3859155.34	0.65634	0.86606	0.62054	1.03183	1.20E-03	7.4E-05	0.0033	1.1E-06	0.00457	1.47E-03	9.03E-05	0.004031	6.16E-07	5.59E-03	0.001293	6.95E-05	0.008681	6.36E-07	0.010043
2828	490319.73	3859155.34	0.64615	0.86994	0.61874	1.00021	1.18E-03	7.4E-05	0.00329	1.1E-06	0.00454	1.44E-03	9.07E-05	0.004019	5.97E-07	5.55E-03	0.001273	6.98E-05	0.008656	6.17E-07	0.009999
2829	490069.73	3859205.34	0.67017	0.84413	0.6352	1.0635	1.22E-03	7.2E-05	0.00337	1.1E-06	0.00467	1.50E-03	8.8E-05	0.004126	6.35E-07	5.71E-03	0.00132	6.77E-05	0.008886	6.56E-07	0.010274
2830	490119.73	3859205.34	0.67085	0.84858	0.62413	1.05715	1.22E-03	7.2E-05	0.00332	1.1E-06	0.00461	1.50E-03	8.85E-05	0.004054	6.31E-07	5.64E-03	0.001321	6.81E-05	0.008731	6.52E-07	0.010121
2831	490169.73	3859205.34	0.66514	0.85348	0.6146	1.05115	1.21E-03	7.3E-05	0.00327	1.1E-06	0.00455	1.49E-03	8.9E-05	0.003992	6.27E-07	5.57E-03	0.00131	6.85E-05	0.008598	6.48E-07	0.009977
2832	490219.73	3859205.34	0.65839	0.84991	0.61317	1.01585	1.20E-03	7.2E-05	0.00326	1.1E-06	0.00453	1.47E-03	8.86E-05	0.003983	6.06E-07	5.54E-03	0.001297	6.82E-05	0.008578	6.26E-07	0.009943
2833	490269.73	3859205.34	0.64611	0.83858	0.61088	1.00064	1.18E-03	7.1E-05	0.00325	1.1E-06	0.0045	1.44E-03	8.74E-05	0.003968	5.97E-07	5.50E-03	0.001272	6.73E-05	0.008546	6.17E-07	0.009886
2834	490319.73	3859205.34	0.6312	0.84249	0.60624	0.98313	1.15E-03	7.2E-05	0.00322	1E-06	0.00444	1.41E-03	8.79E-05	0.003938	5.87E-07	5.44E-03	0.001243	6.76E-05	0.008481	6.06E-07	0.009792
2835	490069.73	3859255.34	0.63901	0.80454	0.61402	1.02211	1.16E-03	6.8E-05	0.00326	1.1E-06	0.0045	1.43E-03	8.39E-05	0.003988	6.1E-07	5.50E-03	0.001259	6.45E-05	0.00859	6.3E-07	0.009913
2836	490119.73	3859255.34	0.63196	0.82179	0.61693	1.04006	1.15E-03	7E-05	0.00328	1.1E-06	0.0045	1.41E-03	8.57E-05	0.004007	6.21E-07	5.51E-03	0.001245	6.59E-05	0.00863	6.41E-07	0.009941
2837	490169.73	3859255.34	0.63464	0.81746	0.61607	1.01649	1.16E-03	7E-05	0.00327	1.1E-06	0.0045	1.42E-03	8.52E-05	0.004002	6.07E-07	5.51E-03	0.00125	6.56E-05	0.008618	6.27E-07	0.009934
2838	490219.73	3859255.34	0.6369	0.82348	0.6003	1.01407	1.16E-03	7E-05	0.00319	1.1E-06	0.00442	1.42E-03	8.59E-05	0.003899	6.05E-07	5.41E-03	0.001254	6.61E-05	0.008398	6.25E-07	0.009719
2839	490269.73	3859255.34	0.63086	0.83956	0.60086	0.99232	1.15E-03	7.1E-05	0.00319	1.1E-06	0.00441	1.41E-03	8.75E-05	0.003903	5.92E-07	5.40E-03	0.001242	6.73E-05	0.008405	6.12E-07	0.009716
2840	490319.73	3859255.34	0.62327	0.81612	0.60688	0.97249	1.14E-03	6.9E-05	0.00322	1E-06	0.00443	1.39E-03	8.51E-05	0.003942	5.8E-07	5.42E-03	0.001228	6.55E-05	0.00849	6E-07	0.009783
2841	490069.73	3859305.34	0.63062	0.79046	0.59508	0.97076	1.15E-03	6.7E-05	0.00316	1E-06	0.00438	1.41E-03	8.24E-05	0.003865	5.79E-07	5.36E-03	0.001242	6.34E-05	0.008325	5.99E-07	0.009631
2842	490119.73	3859305.34	0.62072	0.76611	0.5979	0.95155	1.13E-03	6.5E-05	0.00318	1E-06	0.00437	1.39E-03	7.99E-05	0.003884	5.68E-07	5.35E-03	0.001222	6.15E-05	0.008364	5.87E-07	0.009649
2843	490169.73	3859305.34	0.60878	0.7879	0.60041	0.99619	1.11E-03	6.7E-05	0.00319	1.1E-06	0.00437	1.36E-03	8.22E-05	0.0039	5.95E-07	5.34E-03	0.001199	6.32E-05	0.008399	6.14E-07	0.009662
2844	490219.73	3859305.34	0.6036	0.79433	0.60391	1.00279	1.10E-03	6.8E-05	0.00321	1.1E-06	0.00438	1.35E-03	8.28E-05	0.003923	5.99E-07	5.35E-03	0.001189	6.37E-05	0.008448	6.18E-07	0.009701
2845	490269.73	3859305.34	0.60363	0.79843	0.59244	0.96909	1.10E-03	6.8E-05	0.00315	1E-06	0.00432	1.35E-03	8.33E-05	0.003848	5.78E-07	5.28E-03	0.001189	6.4E-05	0.008288	5.98E-07	0.009541
2846	490319.73	3859305.34	0.60401	0.80502	0.5868	0.97947	1.10E-03	6.9E-05	0.00312	1E-06	0.00429	1.35E-03	8.39E-05	0.003811	5.85E-07	5.25E-03	0.00119	6.46E-05	0.008209	6.04E-07	0.009464
2847	490069.73	3859355.34	0.6221	0.78334	0.57439	0.96813	1.13E-03	6.7E-05	0.00305	1E-06	0.00425	1.39E-03	8.17E-05	0.003731	5.78E-07	5.20E-03	0.001225	6.28E-05	0.008035	5.97E-07	0.009324
2848	490119.73	3859355.34	0.61065	0.76649	0.5836	0.94722	1.11E-03	6.5E-05	0.0031	1E-06	0.00428	1.36E-03	7.99E-05	0.003791	5.65E-07	5.24E-03	0.001203	6.15E-05	0.008164	5.84E-07	0.009429
2849	490169.73	3859355.34	0.60368	0.74899	0.57616	0.91728	1.10E-03	6.4E-05	0.00306	9.8E-07	0.00423	1.35E-03	7.81E-05	0.003742	5.47E-07	5.17E-03	0.001189	6.01E-05	0.00806	5.66E-07	0.009309
2850	490219.73	3859355.34	0.59605	0.75474	0.58544	0.95185	1.09E-03	6.4E-05	0.00311	1E-06	0.00426	1.33E-03	7.87E-05	0.003803	5.68E-07	5.21E-03	0.001174	6.05E-05	0.00819	5.87E-07	0.009425
2851	490269.73	3859355.34	0.58365	0.77639	0.58738	0.97715	1.06E-03	6.6E-05	0.00312	1E-06	0.00425	1.30E-03	8.1E-05	0.003815	5.83E-07	5.20E-03	0.001149	6.23E-05	0.008217	6.02E-07	0.009429
2852	490319.73	3859355.34	0.5773	0.77531	0.5847	0.94922	1.05E-03	6.6E-05	0.00311	1E-06	0.00423	1.29E-03	8.08E-05	0.003798	5.67E-07	5.17E-03	0.001137	6.22E-05	0.008179	5.85E-07	0.009379
2853	490069.73	3859405.34	0.61558	0.74399	0.54481	0.92645	1.12E-03	6.3E-05	0.00289	9.9E-07	0.00408	1.38E-03	7.76E-05	0.003539	5.53E-07	4.99E-03	0.001212	5.97E-05	0.007621	5.71E-07	0.008894
2854	490119.73	3859405.34	0.60256	0.76089	0.55439	0.93106	1.10E-03	6.5E-05	0.00295	9.9E-07	0.00411	1.35E-03	7.93E-05	0.003601	5.56E-07	5.03E-03	0.001187	6.1E-05	0.007755	5.74E-07	0.009004
2855	490169.73	3859405.34	0.59678	0.74145	0.56507	0.92219	1.09E-03	6.3E-05	0.003	9.8E-07	0.00415	1.33E-03	7.73E-05	0.00367	5.5E-07	5.08E-03	0.001175	5.95E-05	0.007905	5.69E-07	0.00914
2856	490219.73	3859405.34	0.59045	0.73909	0.5607	0.90533	1.08E-03	6.3E-05	0.00298	9.7E-07	0.00412	1.32E-03	7.71E-05	0.003642	5.4E-07	5.04E-03	0.001163	5.93E-05	0.007844	5.58E-07	0.009066
2857	490269.73	3859405.34	0.58026	0.72237	0.57198	0.9064	1.06E-03	6.1E-05	0.00304	9.7E-07	0.00416	1.30E-03	7.53E-05	0.003715	5.41E-07	5.09E-03	0.001143	5.79E-05	0.008001	5.59E-07	0.009203
2858	490319.73	3859405.34	0.57269	0.74461	0.5724	0.93517	1.04E-03	6.3E-05	0.00304	1E-06	0.00415	1.28E-03	7.76E-05	0.003718	5.58E-07	5.08E-03	0.001128	5.97E-05	0.008007	5.77E-07	0.009196
2859	490161.89	3859541.83	0.57711	0.68313	0.51862	0.83723	1.05E-03	5.8E-05	0.00276	8.9E-07	0.00387	1.29E-03	7.12E-05	0.003369	5E-07	4.73E-03	0.001137	5.48E-05	0.007255	5.16E-07	0.008447
2860	490171.89	3859541.83	0.57657	0.68521	0.5142	0.83342	1.05E-03	5.8E-05	0.00273	8.9E-07	0.00384	1.29E-03	7.15E-05	0.00334	4.97E-07	4.70E-03	0.001136	5.5E-05	0.007193	5.14E-07	0.008384
2861	490161.89	3859551.83	0.57291	0.67654	0.52777	0.83139	1.04E-03	5.8E-05	0.0028	8.9E-07	0.00391	1.28E-03	7.05E-05	0.003428	4.96E-07	4.78E-03	0.001128	5.43E-05	0.007383	5.13E-07	0.008566
2862	490171.89	3859551.83	0.57395	0.67823	0.51878	0.83129	1.05E-03	5.8E-05	0.00276	8.9E-07	0.00386	1.28E-03	7.07E-05	0.00337	4.96E-07	4.72E-03	0.00113	5.44E-05	0.007257	5.13E-07	0.008443
2863	489799.72	3859348.21	0.68461	0.79975	0.58756	1.00774	1.25E-03	6.8E-05	0.00312	1.1E-06	0.00444	1.53E-03	8.34E-05	0.003816	6.01E-07	5.43E-03	0.001348	6.42E-05	0.008219	6.21E-07	0.009632

2864	489819.72	3859348.21	0.67457	0.79263	0.59091	1.01503	1.23E-03	6.7E-05	0.00314	1.1E-06	0.00444	1.51E-03	8.27E-05	0.003838	6.06E-07	5.43E-03	0.001329	6.36E-05	0.008266	6.26E-07	0.009659
2865	489799.72	3859368.21	0.68585	0.79652	0.583	0.9876	1.25E-03	6.8E-05	0.0031	1.1E-06	0.00442	1.53E-03	8.31E-05	0.003787	5.89E-07	5.40E-03	0.001351	6.39E-05	0.008156	6.09E-07	0.009571
2866	489819.72	3859368.21	0.67604	0.79174	0.58046	0.99708	1.23E-03	6.7E-05	0.00308	1.1E-06	0.00438	1.51E-03	8.26E-05	0.00377	5.95E-07	5.36E-03	0.001331	6.35E-05	0.00812	6.15E-07	0.009516
2867	489775.41	3859329.72	0.69255	0.80832	0.59233	1.01946	1.26E-03	6.9E-05	0.00315	1.1E-06	0.00448	1.55E-03	8.43E-05	0.003847	6.08E-07	5.48E-03	0.001364	6.48E-05	0.008286	6.29E-07	0.009716
2868	489795.41	3859329.72	0.68195	0.80041	0.59599	1.02649	1.24E-03	6.8E-05	0.00317	1.1E-06	0.00448	1.52E-03	8.35E-05	0.003871	6.13E-07	5.48E-03	0.001343	6.42E-05	0.008337	6.33E-07	0.009745
2869	489775.41	3859349.72	0.69842	0.80707	0.58994	1.00068	1.27E-03	6.9E-05	0.00313	1.1E-06	0.00448	1.56E-03	8.42E-05	0.003832	5.97E-07	5.48E-03	0.001376	6.47E-05	0.008253	6.17E-07	0.009694
2870	489795.41	3859349.72	0.68726	0.80102	0.58584	1.00892	1.25E-03	6.8E-05	0.00311	1.1E-06	0.00443	1.54E-03	8.35E-05	0.003805	6.02E-07	5.42E-03	0.001354	6.43E-05	0.008195	6.22E-07	0.009614
2871	489595.05	3859219.43	0.77384	0.88826	0.64987	1.1047	1.41E-03	7.6E-05	0.00345	1.2E-06	0.00494	1.73E-03	9.26E-05	0.004221	6.59E-07	6.04E-03	0.001524	7.13E-05	0.009091	6.81E-07	0.010687
2872	489615.05	3859219.43	0.75685	0.87873	0.63237	1.09967	1.38E-03	7.5E-05	0.00336	1.2E-06	0.00482	1.69E-03	9.16E-05	0.004107	6.56E-07	5.89E-03	0.001491	7.05E-05	0.008846	6.78E-07	0.010408
2873	489595.05	3859239.43	0.7836	0.87243	0.65266	1.09589	1.43E-03	7.4E-05	0.00347	1.2E-06	0.00497	1.75E-03	9.1E-05	0.004239	6.54E-07	6.08E-03	0.001543	7E-05	0.00913	6.76E-07	0.010744
2874	489615.05	3859239.43	0.76884	0.87932	0.64498	1.08566	1.40E-03	7.5E-05	0.00343	1.2E-06	0.0049	1.72E-03	9.17E-05	0.004189	6.48E-07	6.00E-03	0.001514	7.05E-05	0.009023	6.69E-07	0.010608
2875	489372.4	3859092.58	0.92062	0.9688	0.71197	1.26425	1.68E-03	8.2E-05	0.00378	1.3E-06	0.00554	2.06E-03	0.000101	0.004624	7.55E-07	6.78E-03	0.001813	7.77E-05	0.00996	7.79E-07	0.011851
2876	489422.4	3859092.58	0.90006	0.9762	0.70243	1.2456	1.64E-03	8.3E-05	0.00373	1.3E-06	0.00546	2.01E-03	0.000102	0.004562	7.43E-07	6.68E-03	0.001773	7.83E-05	0.009826	7.68E-07	0.011678
2877	489372.4	3859142.58	0.92235	0.95285	0.69776	1.2546	1.68E-03	8.1E-05	0.00371	1.3E-06	0.00547	2.06E-03	9.94E-05	0.004532	7.49E-07	6.69E-03	0.001817	7.64E-05	0.009761	7.74E-07	0.011655
2878	489422.4	3859142.58	0.88178	0.93608	0.69126	1.22034	1.61E-03	8E-05	0.00367	1.3E-06	0.00536	1.97E-03	9.76E-05	0.00449	7.28E-07	6.56E-03	0.001737	7.51E-05	0.00967	7.52E-07	0.011483
2879	488870.84	3858666.64	2.15611	1.35247	0.92796	1.93961	3.93E-03	0.00012	0.00493	2.1E-06	0.00898	4.82E-03	0.000141	0.006027	1.16E-06	1.10E-02	0.004246	0.000108	0.012981	1.2E-06	0.017337
2880	488900.84	3858666.64	2.06156	1.32177	0.9066	1.89009	3.76E-03	0.00011	0.00482	2E-06	0.00869	4.60E-03	0.000138	0.005889	1.13E-06	1.06E-02	0.00406	0.000106	0.012682	1.17E-06	0.01685
2881	488870.84	3858696.64	2.30112	1.30913	0.89972	1.89995	4.19E-03	0.00011	0.00478	2E-06	0.00909	5.14E-03	0.000137	0.005844	1.13E-06	1.11E-02	0.004532	0.000105	0.012586	1.17E-06	0.017224
2882	488900.84	3858696.64	2.1646	1.31836	0.90599	1.89477	3.95E-03	0.00011	0.00481	2E-06	0.00887	4.84E-03	0.000137	0.005885	1.13E-06	1.09E-02	0.004263	0.000106	0.012674	1.17E-06	0.017044
2883	488889.67	3858683.97	2.15663	1.3348	0.91641	1.91101	3.93E-03	0.00011	0.00487	2E-06	0.00892	4.82E-03	0.000139	0.005952	1.14E-06	1.09E-02	0.004247	0.000107	0.01282	1.18E-06	0.017175
2884	488919.67	3858683.97	2.06421	1.30246	0.89791	1.84313	3.76E-03	0.00011	0.00477	2E-06	0.00865	4.61E-03	0.000136	0.005832	1.1E-06	1.06E-02	0.004065	0.000104	0.012561	1.14E-06	0.016732
2885	488889.67	3858713.97	2.3012	1.28652	0.88878	1.85588	4.19E-03	0.00011	0.00472	2E-06	0.00903	5.14E-03	0.000134	0.005773	1.11E-06	1.10E-02	0.004532	0.000103	0.012433	1.14E-06	0.01707
2886	488919.67	3858713.97	2.16618	1.30112	0.8947	1.86529	3.95E-03	0.00011	0.00475	2E-06	0.00881	4.84E-03	0.000136	0.005811	1.11E-06	1.08E-02	0.004266	0.000104	0.012516	1.15E-06	0.016888
2887	488906.61	3858703.33	2.17136	1.31147	0.90049	1.88594	3.96E-03	0.00011	0.00478	2E-06	0.00886	4.85E-03	0.000137	0.005849	1.13E-06	1.08E-02	0.004276	0.000105	0.012597	1.16E-06	0.01698
2888	488936.61	3858703.33	2.07288	1.28947	0.8913	1.81192	3.78E-03	0.00011	0.00474	1.9E-06	0.00863	4.63E-03	0.000134	0.005789	1.08E-06	1.06E-02	0.004082	0.000103	0.012468	1.12E-06	0.016655
2889	488906.61	3858733.33	2.32258	1.25932	0.87763	1.79828	4.23E-03	0.00011	0.00466	1.9E-06	0.00901	5.19E-03	0.000131	0.0057	1.07E-06	1.10E-02	0.004574	0.000101	0.012277	1.11E-06	0.016954
2890	488936.61	3858733.33	2.18021	1.28445	0.8803	1.83973	3.97E-03	0.00011	0.00468	2E-06	0.00876	4.87E-03	0.000134	0.005718	1.1E-06	1.07E-02	0.004294	0.000103	0.012315	1.13E-06	0.016713
2891	488637.63	3858467.85	2.19237	1.60578	1.055	2.54659	4.00E-03	0.00014	0.00561	2.7E-06	0.00974	4.90E-03	0.000167	0.006853	1.52E-06	1.19E-02	0.004318	0.000129	0.014758	1.57E-06	0.019207
2892	488662.63	3858467.85	2.11876	1.59603	1.04435	2.47311	3.86E-03	0.00014	0.00555	2.6E-06	0.00955	4.73E-03	0.000166	0.006783	1.48E-06	1.17E-02	0.004173	0.000128	0.014609	1.52E-06	0.018912
2893	488637.63	3858492.85	2.2985	1.58329	1.0314	2.52415	4.19E-03	0.00013	0.00548	2.7E-06	0.00981	5.13E-03	0.000165	0.006699	1.51E-06	1.20E-02	0.004527	0.000127	0.014428	1.56E-06	0.019084
2894	488662.63	3858492.85	2.20613	1.57121	1.03438	2.47843	4.02E-03	0.00013	0.0055	2.6E-06	0.00965	4.93E-03	0.000164	0.006719	1.48E-06	1.18E-02	0.004345	0.000126	0.01447	1.53E-06	0.018942
2895	488687.63	3858492.85	2.12774	1.55065	1.02757	2.42567	3.88E-03	0.00013	0.00546	2.6E-06	0.00947	4.75E-03	0.000162	0.006674	1.45E-06	1.16E-02	0.004191	0.000124	0.014375	1.5E-06	0.018691
2896	488637.63	3858517.85	2.41825	1.53809	1.00867	2.48216	4.41E-03	0.00013	0.00536	2.6E-06	0.0099	5.40E-03	0.00016	0.006552	1.48E-06	1.21E-02	0.004763	0.000123	0.01411	1.53E-06	0.018998
2897	488662.63	3858517.85	2.31006	1.53553	1.01251	2.44452	4.21E-03	0.00013	0.00538	2.6E-06	0.00972	5.16E-03	0.00016	0.006577	1.46E-06	1.19E-02	0.00455	0.000123	0.014164	1.51E-06	0.018838
2898	488687.63	3858517.85	2.22322	1.5365	1.01463	2.3717	4.05E-03	0.00013	0.00539	2.5E-06	0.00958	4.97E-03	0.00016	0.00659	1.42E-06	1.17E-02	0.004379	0.000123	0.014194	1.46E-06	0.018697
2899	488194.42	3857168.98	2.31541	7.03061	3.01464	3.02553	4.22E-03	0.0006	0.01602	3.2E-06	0.02084	5.17E-03	0.000733	0.019581	1.81E-06	2.55E-02	0.00456	0.000564	0.042172	1.87E-06	0.047298
2900	488244.42	3857168.98	2.24774	6.62324	2.88554	3.03611	4.10E-03	0.00056	0.01533	3.2E-06	0.02	5.02E-03	0.000691	0.018742	1.81E-06	2.45E-02	0.004427	0.000531	0.040366	1.87E-06	0.045326
2901	488294.42	3857168.98	2.19066	6.3106	2.77519	3.00875	3.99E-03	0.00054	0.01475	3.2E-06	0.01928	4.89E-03	0.000658	0.018026	1.8E-06	2.36E-02	0.004314	0.000506	0.038822	1.86E-06	0.043645
2902	488244.42	3857218.98	2.26804	6.91259	2.88055	3.1405	4.13E-03	0.00059	0.0153	3.4E-06	0.02003	5.07E-03	0.000721	0.01871	1.87E-06	2.45E-02	0.004467	0.000555	0.040296	1.94E-06	0.045319
2903	488294.42	3857218.98	2.19072	6.54226	2.76945	3.13427	3.99E-03	0.00056	0.01471	3.3E-06	0.01927	4.89E-03	0.000682	0.017988	1.87E-06	2.36E-02	0.004315	0.000525	0.038742	1.93E-06	0.043583
2904	488294.42	3857268.98	2.21114	6.7986	2.71783	3.25421	4.03E-03	0.00058	0.01444	3.5E-06	0.01905	4.94E-03	0.000709	0.017653	1.94E-06	2.33E-02	0.004355	0.000545	0.03802	2.01E-06	0.042922
2905	488139.13	3857111.68	2.39974	6.85172	3.16009	2.91124	4.37E-03	0.00058	0.01679	3.1E-06	0.02175	5.36E-03	0.000714	0.020526	1.74E-06	2.66E-02	0.004726	0.00055	0.044206	1.79E-06	0.049484
2906	488189.13	3857111.68	2.31833	6.50333	3.01326	2.93272	4.23E-03	0.00055	0.01601	3.1E-06	0.02079	5.18E-03	0.000678	0.019572	1.75E-06	2.54E-02	0.004566	0.000522	0.042152	1.81E-06	0.047242
2907	488189.13	3857161.68	2.3223	6.9832	3.02618	3.01398	4.23E-03	0.00059	0.01608	3.2E-06	0.02091	5.19E-03	0.000728	0.019656	1.8E-06	2.56E-02	0.004574	0.00056	0.042333	1.86E-06	0.047469
2908	487951.04	3856961.26	2.65326	5.22932	3.73823	2.69704	4.84E-03	0.00044	0.01986	2.9E-06	0.02515	5.93E-03	0.000545	0.024281	1.61E-06	3.08E-02	0.005226	0.000419	0.052294	1.66E-06	0.057941
2909	488001.04	3856961.26	2.5643	5.09643	3.57698	2.67961	4.67E-03	0.00043	0.01901	2.9E-06	0.02412	5.73E-03	0.000531	0.023234	1.6E-06	2.95E-02	0.00505	0.000409	0.050038	1.65E-06	0.055499
2910	488051.04	3856961.26	2.49008	4.91212	3.42628	2.62297	4.54E-03	0.00042	0.0182	2.8E-06	0.02316	5.56E-03	0.000512	0.022255	1.57E-06	2.83E-02	0.004904	0.000394	0.04793	1.62E-06	0.05323
2911	488101.04	3856961.26	2.402	4.79077	3.26082	2.67259	4.38E-03	0.00041	0.01733	2.9E-06	0.02211	5.37E-03	0.0005	0.02118	1.6E-06	2.70E-02	0.004731	0.000384	0.045616	1.65E-06	0.050732
2912	487951.04	3857011.26	2.66165	6.02014	3.76618	2.83284	4.85E-03	0.00051	0.02001	3E-06	0.02538	5.95E-03	0.000628	0.024462	1.69E-06	3.10E-02	0.005242	0.000483	0.052685	1.75E-06	0.058412
2913	488001.04	3857011.26	2.58224	5.80598	3.62002	2.77027	4.71E-03	0.00049	0.01923	3E-06	0.02444	5.77E-03	0.000605	0.023513	1.65E-06	2.99E-02	0.005086	0.000466	0.05064	1.71E-06	0.056194
2914	488051.04	3857011.26	2.50557	5.67216	3.47778	2.70937	4.57E-03	0.00048	0.01848	2.9E-06	0.02353	5.60E-03	0.000591	0.022589	1.62E-06	2.88E-02	0.004935	0.000455	0.048651	1.67E-06	0.054042
2915	488101.04	3857011.26	2.41316	5.50398	3.30749	2.74373	4.40E-03	0.00047	0.01757	2.9E-06	0.02244	5.39E-03	0.000574	0.021483	1.64E-06	2.74E-02	0.004753	0.000442	0.046268	1.69E-06	0.051464
2916	488001.04	3857061.26	2.60365	6.70598	3.58202	2.86909	4.75E-03	0.00057	0.01903	3.1E-06	0.02435	5.82E-03	0.000699	0.023266	1.71E-06	2.98E-02	0.005128	0.000538	0.050109	1.77E-06	0.055776
2917	488051.04	3857061.26	2.51522	6.54638	3.42962	2.85489	4.58E-03	0.00056	0.01822	3E-06	0.02337	5.62E-03	0.000683	0.022276	1.7E-06	2.86E-02	0.004954	0.000525	0.047977	1.76E-06	0.053457
2918	488101.04	3857061.26	2.42931	6.26412	3.28347	2.84747	4.43E-03	0.00053	0.01745	3E-06	0.02241	5.43E-03	0.000653	0.021327	1.7E-06	2.74E-02	0.004784	0.000502	0.045932	1.76E-06	0.051221
2919	487638.98	3856673.79	3.0619	2.67667	4.15426	2.17027	5.58E-03	0.00023	0.02207	2.3E-06	0.02788	6.84E-03	0.000279	0.026983	1.3E-06	3.41E-02	0.00603	0.000215	0.058114	1.34E-06	0.06436
2920	487688.98	3856673.79	2.95061	2.72114	3.99881	2.15358	5.38E-03	0.00023	0.02125	2.3E-06	0.02686	6.59E-03	0.000284	0.025973	1.29E-06	3.28E-02	0.005811	0.000218	0.055939	1.33E-06	0.06197
2921	487638.98	3856723.79	3.15246	2.94245	4.28944	2.2996	5.75E-03	0.00025	0.02279	2.5E-06	0.02879	7.04E-03	0.000307	0.027861	1.37E-06	3.52E-02	0.006209	0.000236	0.060005	1.42E-06	0.066451
2922	487688.98	3856723.79	3.03986	2.94254	4.12685	2.26613	5.54E-03	0.00025	0.02193	2.4E-06	0.02772	6.79E-03	0.000307	0.026805	1.35E-06	3.39E-02	0.005987	0.000236	0.05773	1.4E-06	0.063955
2923	486324.61	3855740.57	3.06588	2.17419	4.04149	1.3648	5.59E-03	0.00019	0.02147	1.5E-06	0.02725	6.85E-03	0.000227	0.026251	8.15E-07	3.33E-02	0.006038	0.000174	0.056536	8.41E-07	0.06275
2924	486374.61	3855740.57	2.8419	2.05419	3.69172	1.2877	5.18E-03	0.00017	0.01961	1.4E-06	0.02497	6.35E-03	0.000214	0.023979	7.69E-07	3.05E-02	0.005597	0.000165	0.051643	7.94E-07	0.057406

2925	486424.61	3855740.57	2.72961	1.99041	3.50636	1.24094	4.98E-03	0.00017	0.01863	1.3E-06	0.02378	6.10E-03	0.000208	0.022775	7.41E-07	2.91E-02	0.005376	0.00016	0.04905	7.65E-07	0.054587
2926	486324.61	3855790.57	3.18773	2.14497	4.24704	1.43643	5.81E-03	0.00018	0.02257	1.5E-06	0.02856	7.12E-03	0.000224	0.027586	8.57E-07	3.49E-02	0.006278	0.000172	0.059412	8.86E-07	0.065863
2927	486374.61	3855790.57	2.97409	2.04306	3.9023	1.3592	5.42E-03	0.00017	0.02073	1.4E-06	0.02633	6.64E-03	0.000213	0.025347	8.11E-07	3.22E-02	0.005857	0.000164	0.054589	8.38E-07	0.060611
2928	486424.61	3855790.57	2.89004	1.97407	3.76542	1.32099	5.27E-03	0.00017	0.02001	1.4E-06	0.02544	6.46E-03	0.000206	0.024458	7.88E-07	3.11E-02	0.005692	0.000158	0.052674	8.14E-07	0.058525
2929	486324.61	3855840.57	3.31483	2.21733	4.46765	1.52046	6.04E-03	0.00019	0.02374	1.6E-06	0.02997	7.40E-03	0.000231	0.029019	9.07E-07	3.67E-02	0.006528	0.000178	0.062498	9.37E-07	0.069205
2930	486374.61	3855840.57	3.18805	2.09953	4.2922	1.46816	5.81E-03	0.00018	0.02281	1.6E-06	0.0288	7.12E-03	0.000219	0.027879	8.76E-07	3.52E-02	0.006279	0.000168	0.060044	9.05E-07	0.066492
2931	486424.61	3855840.57	3.05231	1.93576	4.06931	1.40928	5.56E-03	0.00016	0.02162	1.5E-06	0.02735	6.82E-03	0.000202	0.026431	8.41E-07	3.35E-02	0.006011	0.000155	0.056926	8.69E-07	0.063093
2932	486324.61	3855890.57	3.58229	2.18259	4.83811	1.65684	6.53E-03	0.00019	0.02571	1.8E-06	0.03242	8.00E-03	0.000228	0.031425	9.89E-07	3.97E-02	0.007055	0.000175	0.06768	1.02E-06	0.074912
2933	486374.61	3855890.57	3.41923	2.14677	4.61873	1.58139	6.23E-03	0.00018	0.02454	1.7E-06	0.03096	7.64E-03	0.000224	0.03	9.44E-07	3.79E-02	0.006734	0.000172	0.064611	9.75E-07	0.071519
2934	486424.61	3855890.57	3.24917	1.98762	4.3861	1.50795	5.92E-03	0.00017	0.0233	1.6E-06	0.0294	7.26E-03	0.000207	0.028489	9E-07	3.60E-02	0.006399	0.000159	0.061357	9.3E-07	0.067917
2935	488735.69	3858285.64	1.69766	1.85644	1.15809	2.74251	3.09E-03	0.00016	0.00615	2.9E-06	0.00941	3.79E-03	0.000194	0.007522	1.64E-06	1.15E-02	0.003343	0.000149	0.016201	1.69E-06	0.019695
2936	488765.69	3858285.64	1.66537	1.82223	1.15287	2.66128	3.04E-03	0.00016	0.00613	2.8E-06	0.00932	3.72E-03	0.00019	0.007488	1.59E-06	1.14E-02	0.00328	0.000146	0.016127	1.64E-06	0.019555
2937	488735.69	3858315.64	1.71485	1.80953	1.12535	2.66805	3.13E-03	0.00015	0.00598	2.8E-06	0.00926	3.83E-03	0.000189	0.007309	1.59E-06	1.13E-02	0.003377	0.000145	0.015743	1.65E-06	0.019267
2938	488765.69	3858315.64	1.68148	1.78834	1.12487	2.6094	3.07E-03	0.00015	0.00598	2.8E-06	0.0092	3.76E-03	0.000186	0.007306	1.56E-06	1.13E-02	0.003312	0.000143	0.015736	1.61E-06	0.019192
2939	478676.63	3849871.93	0.15971	0.17326	0.13645	0.09649	2.91E-04	1.5E-05	0.00072	1E-07	0.00103	3.57E-04	1.81E-05	0.000886	5.76E-08	1.26E-03	0.000315	1.39E-05	0.001909	5.95E-08	0.002237
2940	479326.63	3849871.93	0.21485	0.24844	0.22954	0.14607	3.92E-04	2.1E-05	0.00122	1.6E-07	0.00163	4.80E-04	2.59E-05	0.001491	8.72E-08	2.00E-03	0.000423	1.99E-05	0.003211	9.01E-08	0.003654
2941	479376.63	3849871.93	0.22034	0.25574	0.22496	0.15741	4.02E-04	2.2E-05	0.0012	1.7E-07	0.00162	4.92E-04	2.67E-05	0.001461	9.39E-08	1.98E-03	0.000434	2.05E-05	0.003147	9.71E-08	0.003602
2942	479426.63	3849871.93	0.2288	0.26306	0.2311	0.16986	4.17E-04	2.2E-05	0.00123	1.8E-07	0.00167	5.11E-04	2.74E-05	0.001501	1.01E-07	2.04E-03	0.000451	2.11E-05	0.003233	1.05E-07	0.003705
2943	478726.63	3849921.93	0.1611	0.17523	0.13812	0.0994	2.94E-04	1.5E-05	0.00073	1.1E-07	0.00104	3.60E-04	1.83E-05	0.000897	5.93E-08	1.28E-03	0.000317	1.41E-05	0.001932	6.13E-08	0.002264
2944	478776.63	3849921.93	0.16815	0.18877	0.14342	0.09235	3.07E-04	1.6E-05	0.00076	9.9E-08	0.00108	3.76E-04	1.97E-05	0.000932	5.51E-08	1.33E-03	0.000331	1.51E-05	0.002006	5.69E-08	0.002353
2945	478826.63	3849921.93	0.1786	0.20306	0.14006	0.08715	3.26E-04	1.7E-05	0.00074	9.3E-08	0.00109	3.99E-04	2.12E-05	0.00091	5.2E-08	1.33E-03	0.000352	1.63E-05	0.001959	5.37E-08	0.002327
2946	478976.63	3849921.93	0.20604	0.2355	0.17859	0.10944	3.76E-04	2E-05	0.00095	1.2E-07	0.00134	4.60E-04	2.46E-05	0.00116	6.53E-08	1.64E-03	0.000406	1.89E-05	0.002498	6.75E-08	0.002923
2947	479026.63	3849921.93	0.2111	0.24012	0.17964	0.12625	3.85E-04	2E-05	0.00095	1.3E-07	0.00136	4.72E-04	2.5E-05	0.001167	7.54E-08	1.66E-03	0.000416	1.93E-05	0.002513	7.78E-08	0.002948
2948	479076.63	3849921.93	0.21587	0.23724	0.19167	0.13542	3.93E-04	2E-05	0.00102	1.4E-07	0.00143	4.82E-04	2.47E-05	0.001245	8.08E-08	1.75E-03	0.000425	1.9E-05	0.002681	8.35E-08	0.003126
2949	479126.63	3849921.93	0.21	0.23691	0.21149	0.12987	3.83E-04	2E-05	0.00112	1.4E-07	0.00153	4.69E-04	2.47E-05	0.001374	7.75E-08	1.87E-03	0.000414	1.9E-05	0.002959	8.01E-08	0.003391
2950	479176.63	3849921.93	0.21302	0.24524	0.2093	0.13604	3.88E-04	2.1E-05	0.00111	1.5E-07	0.00152	4.76E-04	2.56E-05	0.001359	8.12E-08	1.86E-03	0.00042	1.97E-05	0.002928	8.39E-08	0.003367
2951	479226.63	3849921.93	0.22011	0.24897	0.21142	0.1367	4.01E-04	2.1E-05	0.00112	1.5E-07	0.00155	4.92E-04	2.6E-05	0.001373	8.16E-08	1.89E-03	0.000433	2E-05	0.002958	8.43E-08	0.003411
2952	479276.63	3849921.93	0.2216	0.25429	0.21673	0.1487	4.04E-04	2.2E-05	0.00115	1.6E-07	0.00158	4.95E-04	2.65E-05	0.001408	8.88E-08	1.93E-03	0.000436	2.04E-05	0.003032	9.17E-08	0.003489
2953	479326.63	3849921.93	0.22113	0.25209	0.22458	0.16853	4.03E-04	2.1E-05	0.00119	1.8E-07	0.00162	4.94E-04	2.63E-05	0.001459	1.01E-07	1.98E-03	0.000436	2.02E-05	0.003142	1.04E-07	0.003597
2954	479376.63	3849921.93	0.21789	0.25101	0.23333	0.14975	3.97E-04	2.1E-05	0.00124	1.6E-07	0.00166	4.87E-04	2.62E-05	0.001516	8.94E-08	2.03E-03	0.000429	2.01E-05	0.003264	9.23E-08	0.003713
2955	479426.63	3849921.93	0.22497	0.26327	0.22691	0.16553	4.10E-04	2.2E-05	0.00121	1.8E-07	0.00164	5.03E-04	2.75E-05	0.001474	9.88E-08	2.00E-03	0.000443	2.11E-05	0.003174	1.02E-07	0.003639
2956	478726.63	3849971.93	0.15417	0.16402	0.13327	0.10791	2.81E-04	1.4E-05	0.00071	1.2E-07	0.001	3.44E-04	1.71E-05	0.000866	6.44E-08	1.23E-03	0.000304	1.32E-05	0.001864	6.65E-08	0.002181
2957	478776.63	3849971.93	0.16252	0.17717	0.13998	0.10206	2.96E-04	1.5E-05	0.00074	1.1E-07	0.00106	3.63E-04	1.85E-05	0.000909	6.09E-08	1.29E-03	0.00032	1.42E-05	0.001958	6.29E-08	0.002293
2958	478826.63	3849971.93	0.16952	0.18999	0.14596	0.09428	3.09E-04	1.6E-05	0.00078	1E-07	0.0011	3.79E-04	1.98E-05	0.000948	5.63E-08	1.35E-03	0.000334	1.52E-05	0.002042	5.81E-08	0.002391
2959	478976.63	3849971.93	0.19872	0.22378	0.17334	0.11372	3.62E-04	1.9E-05	0.00092	1.2E-07	0.0013	4.44E-04	2.33E-05	0.001126	6.79E-08	1.59E-03	0.000391	1.8E-05	0.002425	7.01E-08	0.002834
2960	479026.63	3849971.93	0.20688	0.23625	0.18003	0.1143	3.77E-04	2E-05	0.00096	1.2E-07	0.00135	4.62E-04	2.46E-05	0.001169	6.82E-08	1.66E-03	0.000407	1.9E-05	0.002518	7.05E-08	0.002945
2961	479076.63	3849971.93	0.21262	0.24155	0.18373	0.12746	3.88E-04	2.1E-05	0.00098	1.4E-07	0.00138	4.75E-04	2.52E-05	0.001193	7.61E-08	1.69E-03	0.000419	1.94E-05	0.00257	7.86E-08	0.003008
2962	479126.63	3849971.93	0.21748	0.24194	0.19307	0.13927	3.96E-04	2.1E-05	0.00103	1.5E-07	0.00144	4.86E-04	2.52E-05	0.001254	8.31E-08	1.77E-03	0.000428	1.94E-05	0.002701	8.59E-08	0.003149
2963	479176.63	3849971.93	0.21307	0.23872	0.2159	0.13351	3.88E-04	2E-05	0.00115	1.4E-07	0.00156	4.76E-04	2.49E-05	0.001402	7.97E-08	1.90E-03	0.00042	1.91E-05	0.00302	8.23E-08	0.003459
2964	479226.63	3849971.93	0.21385	0.24731	0.20973	0.13229	3.90E-04	2.1E-05	0.00111	1.4E-07	0.00153	4.78E-04	2.58E-05	0.001362	7.9E-08	1.87E-03	0.000421	1.98E-05	0.002934	8.16E-08	0.003375
2965	479276.63	3849971.93	0.22278	0.25302	0.21382	0.13819	4.06E-04	2.2E-05	0.00114	1.5E-07	0.00156	4.98E-04	2.64E-05	0.001389	8.25E-08	1.91E-03	0.000439	2.03E-05	0.002991	8.52E-08	0.00345
2966	479326.63	3849971.93	0.22298	0.25931	0.21971	0.15861	4.06E-04	2.2E-05	0.00117	1.7E-07	0.0016	4.98E-04	2.7E-05	0.001427	9.47E-08	1.95E-03	0.000439	2.08E-05	0.003074	9.78E-08	0.003534
2967	479376.63	3849971.93	0.22425	0.25528	0.2275	0.16871	4.09E-04	2.2E-05	0.00121	1.8E-07	0.00164	5.01E-04	2.66E-05	0.001478	1.01E-07	2.01E-03	0.000442	2.05E-05	0.003182	1.04E-07	0.003645
2968	479426.63	3849971.93	0.22164	0.25227	0.23718	0.15839	4.04E-04	2.1E-05	0.00126	1.7E-07	0.00169	4.95E-04	2.63E-05	0.001541	9.45E-08	2.06E-03	0.000437	2.02E-05	0.003318	9.77E-08	0.003775
2969	478726.63	3850021.93	0.15196	0.15919	0.12861	0.10377	2.77E-04	1.4E-05	0.00068	1.1E-07	0.00097	3.39E-04	1.66E-05	0.000835	6.19E-08	1.19E-03	0.000299	1.28E-05	0.001799	6.4E-08	0.002111
2970	478776.63	3850021.93	0.15527	0.16617	0.13493	0.10905	2.83E-04	1.4E-05	0.00072	1.2E-07	0.00101	3.47E-04	1.73E-05	0.000876	6.51E-08	1.24E-03	0.000306	1.33E-05	0.001888	6.72E-08	0.002207
2971	478826.63	3850021.93	0.16392	0.1787	0.1415	0.10476	2.99E-04	1.5E-05	0.00075	1.1E-07	0.00107	3.66E-04	1.86E-05	0.000919	6.25E-08	1.30E-03	0.000323	1.43E-05	0.001979	6.46E-08	0.002317
2972	478976.63	3850021.93	0.19367	0.21664	0.16007	0.10719	3.53E-04	1.8E-05	0.00085	1.1E-07	0.00122	4.33E-04	2.26E-05	0.00104	6.4E-08	1.49E-03	0.000381	1.74E-05	0.002239	6.61E-08	0.002638
2973	478726.63	3850071.93	0.14904	0.15726	0.13024	0.11092	2.72E-04	1.3E-05	0.00069	1.2E-07	0.00098	3.33E-04	1.64E-05	0.000846	6.62E-08	1.20E-03	0.000294	1.26E-05	0.001822	6.84E-08	0.002128
2974	478776.63	3850071.93	0.15501	0.16113	0.12944	0.10559	2.83E-04	1.4E-05	0.00069	1.1E-07	0.00098	3.46E-04	1.68E-05	0.000841	6.3E-08	1.20E-03	0.000305	1.29E-05	0.001811	6.51E-08	0.002129
2975	478826.63	3850071.93	0.15703	0.16869	0.13584	0.10971	2.86E-04	1.4E-05	0.00072	1.2E-07	0.00102	3.51E-04	1.76E-05	0.000882	6.55E-08	1.25E-03	0.000309	1.35E-05	0.0019	6.76E-08	0.002223
2976	478876.63	3850071.93	0.16529	0.18018	0.14186	0.10787	3.01E-04	1.5E-05	0.00075	1.2E-07	0.00107	3.69E-04	1.88E-05	0.000921	6.44E-08	1.31E-03	0.000326	1.45E-05	0.001984	6.65E-08	0.002325
2977	478976.63	3850071.93	0.18303	0.20564	0.14768	0.09304	3.34E-04	1.7E-05	0.00078	9.9E-08	0.00114	4.09E-04	2.14E-05	0.000959	5.55E-08	1.39E-03	0.00036	1.65E-05	0.002066	5.74E-08	0.002443
2978	478726.63	3850121.93	0.14675	0.15907	0.13588	0.11768	2.67E-04	1.4E-05	0.00072	1.3E-07	0.001	3.28E-04	1.66E-05	0.000883	7.02E-08	1.23E-03	0.000289	1.28E-05	0.001901	7.26E-08	0.002203
2979	478776.63	3850121.93	0.15116	0.16151	0.13413	0.11254	2.76E-04	1.4E-05	0.00071	1.2E-07	0.001	3.38E-04	1.68E-05	0.000871	6.72E-08	1.23E-03	0.000298	1.3E-05	0.001876	6.94E-08	0.002187
2980	478826.63	3850121.93	0.15818	0.17101	0.13014	0.10794	2.88E-04	1.5E-05	0.00069	1.2E-07	0.00099	3.53E-04	1.78E-05	0.000845	6.44E-08	1.22E-03	0.000312	1.37E-05	0.001821	6.66E-08	0.002146
2981	478876.63	3850121.93	0.1597	0.17645	0.13766	0.11023	2.91E-04	1.5E-05	0.00073	1.2E-07	0.00104	3.57E-04	1.84E-05	0.000894	6.58E-08	1.27E-03	0.000315	1.42E-05	0.001926	6.8E-08	0.002254
2982	478976.63	3850121.93	0.17272	0.18607	0.15348	0.10483	3.15E-04	1.6E-05	0.00082	1.1E-07	0.00115	3.86E-04	1.94E-05	0.000997	6.26E-08	1.40E-03	0.00034	1.49E-05	0.002147	6.46E-08	0.002502
2983	479026.63	3850121.93	0.18399	0.19973	0.15074	0.09709	3.35E-04	1.7E-05	0.0008	1E-07	0.00115	4.11E-04	2.08E-05	0.000979	5.79E-08	1.41E-03	0.000362	1.6E-05	0.002109	5.99E-08	0.002487
2984	479076.63	3850121.93	0.19616	0.21991	0.1652	0.11092	3.58E-04	1.9E-05	0.00088	1.2E-07	0.00125	4.38E-04	2.29E-05	0.001073	6.62E-08	1.53E-03	0.000386	1.76E-05	0.002311	6.84E-08	0.002715
2985	479126.63	3850121.93	0.20339	0.23037	0.17798	0.12071	3.71E-04	2E-05	0.00095	1.3E-07	0.00134	4.54E-04	2.4E-05	0.001156	7.2E-08	1.63E-03	0.000401	1.85E-05	0.00249	7.44E-08	0.002909

2986	478776.63	3850171.93	0.14936	0.16142	0.13912	0.1213	2.72E-04	1.4E-05	0.00074	1.3E-07	0.00103	3.34E-04	1.68E-05	0.000904	7.24E-08	1.25E-03	0.000294	1.29E-05	0.001946	7.48E-08	0.002253
2987	478826.63	3850171.93	0.15324	0.16399	0.13833	0.11417	2.79E-04	1.4E-05	0.00073	1.2E-07	0.00103	3.42E-04	1.71E-05	0.000898	6.81E-08	1.26E-03	0.000302	1.32E-05	0.001935	7.04E-08	0.00225
2988	478876.63	3850171.93	0.1604	0.17269	0.13195	0.11077	2.92E-04	1.5E-05	0.0007	1.2E-07	0.00101	3.58E-04	1.8E-05	0.000857	6.61E-08	1.23E-03	0.000316	1.39E-05	0.001846	6.83E-08	0.002176
2989	478976.63	3850171.93	0.16865	0.18348	0.14369	0.1146	3.07E-04	1.6E-05	0.00076	1.2E-07	0.00109	3.77E-04	1.91E-05	0.000933	6.84E-08	1.33E-03	0.000332	1.47E-05	0.00201	7.07E-08	0.002357
2990	479026.63	3850171.93	0.17377	0.1879	0.1566	0.10924	3.17E-04	1.6E-05	0.00083	1.2E-07	0.00116	3.88E-04	1.96E-05	0.001017	6.52E-08	1.42E-03	0.000342	1.51E-05	0.002191	6.74E-08	0.002548
2991	479076.63	3850171.93	0.18515	0.20181	0.15397	0.10119	3.37E-04	1.7E-05	0.00082	1.1E-07	0.00117	4.14E-04	2.1E-05	0.001	6.04E-08	1.43E-03	0.000365	1.62E-05	0.002154	6.24E-08	0.002535
2992	479126.63	3850171.93	0.19694	0.21318	0.1678	0.11341	3.59E-04	1.8E-05	0.00089	1.2E-07	0.00127	4.40E-04	2.22E-05	0.00109	6.77E-08	1.55E-03	0.000388	1.71E-05	0.002347	6.99E-08	0.002752
2993	479176.63	3850171.93	0.20381	0.22245	0.17941	0.12363	3.72E-04	1.9E-05	0.00095	1.3E-07	0.00134	4.55E-04	2.32E-05	0.001165	7.38E-08	1.64E-03	0.000401	1.78E-05	0.00251	7.62E-08	0.002929
2994	479226.63	3850171.93	0.20712	0.22627	0.18599	0.12844	3.78E-04	1.9E-05	0.00099	1.4E-07	0.00139	4.63E-04	2.36E-05	0.001208	7.67E-08	1.69E-03	0.000408	1.82E-05	0.002602	7.92E-08	0.003028
2995	479276.63	3850171.93	0.21516	0.23733	0.19471	0.13909	3.92E-04	2E-05	0.00103	1.5E-07	0.00145	4.81E-04	2.47E-05	0.001265	8.3E-08	1.77E-03	0.000424	1.9E-05	0.002724	8.58E-08	0.003167
2996	479326.63	3850171.93	0.22028	0.24814	0.20546	0.15454	4.02E-04	2.1E-05	0.00109	1.6E-07	0.00151	4.92E-04	2.59E-05	0.001335	9.22E-08	1.85E-03	0.000434	1.99E-05	0.002874	9.53E-08	0.003328
2997	479376.63	3850171.93	0.22123	0.24847	0.22323	0.15185	4.03E-04	2.1E-05	0.00119	1.6E-07	0.00161	4.94E-04	2.59E-05	0.00145	9.06E-08	1.97E-03	0.000436	1.99E-05	0.003123	9.36E-08	0.003578
2998	478676.63	3850221.93	0.14868	0.16746	0.14804	0.12221	2.71E-04	1.4E-05	0.00079	1.3E-07	0.00107	3.32E-04	1.75E-05	0.000962	7.29E-08	1.31E-03	0.000293	1.34E-05	0.002071	7.54E-08	0.002377
2999	478726.63	3850221.93	0.15235	0.16776	0.14416	0.12522	2.78E-04	1.4E-05	0.00077	1.3E-07	0.00106	3.40E-04	1.75E-05	0.000936	7.47E-08	1.29E-03	0.0003	1.35E-05	0.002017	7.72E-08	0.00233
3000	478976.63	3850221.93	0.16628	0.18252	0.14096	0.11138	3.03E-04	1.6E-05	0.00075	1.2E-07	0.00107	3.71E-04	1.9E-05	0.000916	6.65E-08	1.31E-03	0.000327	1.46E-05	0.001972	6.87E-08	0.002314
3001	479026.63	3850221.93	0.17007	0.18665	0.14694	0.11744	3.10E-04	1.6E-05	0.00078	1.3E-07	0.00111	3.80E-04	1.95E-05	0.000954	7.01E-08	1.35E-03	0.000335	1.5E-05	0.002056	7.24E-08	0.002406
3002	479076.63	3850221.93	0.17516	0.18962	0.15945	0.11325	3.19E-04	1.6E-05	0.00085	1.2E-07	0.00118	3.91E-04	1.98E-05	0.001036	6.76E-08	1.45E-03	0.000345	1.52E-05	0.002231	6.98E-08	0.002591
3003	479126.63	3850221.93	0.18653	0.20406	0.15824	0.1064	3.40E-04	1.7E-05	0.00084	1.1E-07	0.0012	4.17E-04	2.13E-05	0.001028	6.35E-08	1.47E-03	0.000367	1.64E-05	0.002214	6.56E-08	0.002597
3004	479176.63	3850221.93	0.19744	0.21571	0.17087	0.11816	3.60E-04	1.8E-05	0.00091	1.3E-07	0.00129	4.41E-04	2.25E-05	0.00111	7.05E-08	1.57E-03	0.000389	1.73E-05	0.00239	7.29E-08	0.002797
3005	479226.63	3850221.93	0.20342	0.22458	0.18061	0.12717	3.71E-04	1.9E-05	0.00096	1.4E-07	0.00135	4.54E-04	2.34E-05	0.001173	7.59E-08	1.65E-03	0.000401	1.8E-05	0.002527	7.84E-08	0.002945
3006	479276.63	3850221.93	0.20697	0.2278	0.18742	0.1322	3.77E-04	1.9E-05	0.001	1.4E-07	0.00139	4.62E-04	2.38E-05	0.001217	7.89E-08	1.70E-03	0.000408	1.83E-05	0.002622	8.15E-08	0.003048
3007	479326.63	3850221.93	0.21721	0.24004	0.19762	0.14154	3.96E-04	2E-05	0.00105	1.5E-07	0.00147	4.85E-04	2.5E-05	0.001284	8.45E-08	1.79E-03	0.000428	1.93E-05	0.002765	8.73E-08	0.003212
3008	479376.63	3850221.93	0.22282	0.25112	0.20734	0.15568	4.06E-04	2.1E-05	0.0011	1.7E-07	0.00153	4.98E-04	2.62E-05	0.001347	9.29E-08	1.87E-03	0.000439	2.01E-05	0.0029	9.6E-08	0.00336
3009	478676.63	3850271.93	0.15219	0.1711	0.15439	0.12153	2.77E-04	1.5E-05	0.00082	1.3E-07	0.00111	3.40E-04	1.78E-05	0.001003	7.25E-08	1.36E-03	0.0003	1.37E-05	0.00216	7.49E-08	0.002473
3010	478726.63	3850271.93	0.15153	0.17112	0.15223	0.1237	2.76E-04	1.5E-05	0.00081	1.3E-07	0.0011	3.38E-04	1.78E-05	0.000989	7.38E-08	1.35E-03	0.000298	1.37E-05	0.00213	7.63E-08	0.002442
3011	478976.63	3850271.93	0.16486	0.17674	0.13695	0.11544	3.01E-04	1.5E-05	0.00073	1.2E-07	0.00104	3.68E-04	1.84E-05	0.00089	6.89E-08	1.28E-03	0.000325	1.42E-05	0.001916	7.12E-08	0.002255
3012	479026.63	3850271.93	0.16893	0.18551	0.14241	0.11193	3.08E-04	1.6E-05	0.00076	1.2E-07	0.00108	3.77E-04	1.93E-05	0.000925	6.68E-08	1.32E-03	0.000333	1.49E-05	0.001992	6.9E-08	0.00234
3013	479076.63	3850271.93	0.17145	0.18963	0.15064	0.11924	3.13E-04	1.6E-05	0.0008	1.3E-07	0.00113	3.83E-04	1.98E-05	0.000978	7.12E-08	1.38E-03	0.000338	1.52E-05	0.002107	7.35E-08	0.00246
3014	479126.63	3850271.93	0.17694	0.19257	0.16045	0.11794	3.23E-04	1.6E-05	0.00085	1.3E-07	0.00119	3.95E-04	2.01E-05	0.001042	7.04E-08	1.46E-03	0.000348	1.54E-05	0.002245	7.27E-08	0.002609
3015	479176.63	3850271.93	0.18785	0.20671	0.16303	0.11337	3.42E-04	1.8E-05	0.00087	1.2E-07	0.00123	4.20E-04	2.16E-05	0.001059	6.77E-08	1.50E-03	0.00037	1.66E-05	0.002281	6.99E-08	0.002667
3016	479226.63	3850271.93	0.19826	0.21825	0.17376	0.12324	3.61E-04	1.9E-05	0.00092	1.3E-07	0.0013	4.43E-04	2.28E-05	0.001129	7.36E-08	1.59E-03	0.00039	1.75E-05	0.002431	7.6E-08	0.002839
3017	479276.63	3850271.93	0.20444	0.2265	0.18211	0.13011	3.73E-04	1.9E-05	0.00097	1.4E-07	0.00136	4.57E-04	2.36E-05	0.001183	7.77E-08	1.66E-03	0.000403	1.82E-05	0.002548	8.02E-08	0.002968
3018	479326.63	3850271.93	0.20885	0.23019	0.18927	0.13366	3.81E-04	2E-05	0.00101	1.4E-07	0.00141	4.67E-04	2.4E-05	0.001229	7.98E-08	1.72E-03	0.000411	1.85E-05	0.002648	8.24E-08	0.003078
3019	479376.63	3850271.93	0.2195	0.24266	0.20018	0.14377	4.00E-04	2.1E-05	0.00106	1.5E-07	0.00148	4.90E-04	2.53E-05	0.0013	8.58E-08	1.82E-03	0.000432	1.95E-05	0.0028	8.86E-08	0.003252
3020	479053.24	3850293.52	0.17015	0.18735	0.14491	0.11301	3.10E-04	1.6E-05	0.00077	1.2E-07	0.0011	3.80E-04	1.95E-05	0.000941	6.74E-08	1.34E-03	0.000335	1.5E-05	0.002027	6.97E-08	0.002377
3021	479103.24	3850293.52	0.17279	0.19152	0.15264	0.12067	3.15E-04	1.6E-05	0.00081	1.3E-07	0.00114	3.86E-04	2E-05	0.000991	7.2E-08	1.40E-03	0.00034	1.54E-05	0.002135	7.44E-08	0.002491
3022	479153.24	3850293.52	0.17792	0.19432	0.16134	0.11878	3.24E-04	1.7E-05	0.00086	1.3E-07	0.0012	3.97E-04	2.03E-05	0.001048	7.09E-08	1.47E-03	0.00035	1.56E-05	0.002257	7.32E-08	0.002623
3023	479203.24	3850293.52	0.18961	0.20936	0.16465	0.1148	3.46E-04	1.8E-05	0.00087	1.2E-07	0.00124	4.24E-04	2.18E-05	0.001069	6.85E-08	1.51E-03	0.000373	1.68E-05	0.002303	7.08E-08	0.002694
3024	479253.24	3850293.52	0.19999	0.22007	0.17568	0.12655	3.65E-04	1.9E-05	0.00093	1.3E-07	0.00132	4.47E-04	2.29E-05	0.001141	7.55E-08	1.61E-03	0.000394	1.77E-05	0.002458	7.8E-08	0.002869
3025	479303.24	3850293.52	0.20577	0.22801	0.18357	0.13085	3.75E-04	1.9E-05	0.00098	1.4E-07	0.00137	4.60E-04	2.38E-05	0.001192	7.81E-08	1.68E-03	0.000405	1.83E-05	0.002568	8.07E-08	0.002992
3026	479353.24	3850293.52	0.21084	0.23192	0.19106	0.1347	3.84E-04	2E-05	0.00102	1.4E-07	0.00142	4.71E-04	2.42E-05	0.001241	8.04E-08	1.74E-03	0.000415	1.86E-05	0.002673	8.31E-08	0.003107
3027	479153.24	3850343.52	0.17496	0.19672	0.15499	0.1219	3.19E-04	1.7E-05	0.00082	1.3E-07	0.00116	3.91E-04	2.05E-05	0.001007	7.28E-08	1.42E-03	0.000345	1.58E-05	0.002168	7.52E-08	0.002529
3028	479203.24	3850343.52	0.17973	0.20106	0.16189	0.12383	3.28E-04	1.7E-05	0.00086	1.3E-07	0.00121	4.01E-04	2.1E-05	0.001052	7.39E-08	1.47E-03	0.000354	1.61E-05	0.002265	7.63E-08	0.002635
3029	479253.24	3850343.52	0.1908	0.21257	0.16658	0.11877	3.48E-04	1.8E-05	0.00089	1.3E-07	0.00125	4.26E-04	2.22E-05	0.001082	7.09E-08	1.53E-03	0.000376	1.71E-05	0.00233	7.32E-08	0.002723
3030	479303.24	3850343.52	0.20172	0.22228	0.1773	0.12719	3.68E-04	1.9E-05	0.00094	1.4E-07	0.00133	4.51E-04	2.32E-05	0.001152	7.59E-08	1.63E-03	0.000397	1.78E-05	0.00248	7.84E-08	0.002895
3031	479353.24	3850343.52	0.20833	0.23067	0.18548	0.13273	3.80E-04	2E-05	0.00099	1.4E-07	0.00139	4.65E-04	2.41E-05	0.001205	7.92E-08	1.69E-03	0.00041	1.85E-05	0.002595	8.18E-08	0.003024
3032	479203.24	3850393.52	0.17704	0.19928	0.15604	0.1226	3.23E-04	1.7E-05	0.00083	1.3E-07	0.00117	3.95E-04	2.08E-05	0.001014	7.32E-08	1.43E-03	0.000349	1.6E-05	0.002183	7.56E-08	0.002548
3033	479253.24	3850393.52	0.18098	0.20358	0.16307	0.12775	3.30E-04	1.7E-05	0.00087	1.4E-07	0.00121	4.04E-04	2.12E-05	0.001059	7.62E-08	1.48E-03	0.000356	1.63E-05	0.002281	7.88E-08	0.002654
3034	479303.24	3850393.52	0.19233	0.21454	0.16855	0.12082	3.51E-04	1.8E-05	0.0009	1.3E-07	0.00126	4.30E-04	2.24E-05	0.001095	7.21E-08	1.55E-03	0.000379	1.72E-05	0.002358	7.45E-08	0.002754
3035	479353.24	3850393.52	0.20359	0.22454	0.17879	0.1277	3.71E-04	1.9E-05	0.00095	1.4E-07	0.00134	4.55E-04	2.34E-05	0.001161	7.62E-08	1.64E-03	0.000401	1.8E-05	0.002501	7.87E-08	0.00292
3036	479403.24	3850393.52	0.21091	0.23323	0.18731	0.13486	3.84E-04	2E-05	0.001	1.4E-07	0.0014	4.71E-04	2.43E-05	0.001217	8.05E-08	1.71E-03	0.000415	1.87E-05	0.00262	8.32E-08	0.003054
3037	479453.24	3850393.52	0.21492	0.23706	0.19492	0.13778	3.92E-04	2E-05	0.00104	1.5E-07	0.00145	4.80E-04	2.47E-05	0.001266	8.22E-08	1.77E-03	0.000423	1.9E-05	0.002727	8.5E-08	0.003169
3038	479503.24	3850393.52	0.22637	0.25057	0.20741	0.14719	4.13E-04	2.1E-05	0.0011	1.6E-07	0.00154	5.06E-04	2.61E-05	0.001347	8.78E-08	1.88E-03	0.000446	2.01E-05	0.002901	9.08E-08	0.003367
3039	479303.24	3850443.52	0.18278	0.20702	0.16415	0.13137	3.33E-04	1.8E-05	0.00087	1.4E-07	0.00122	4.08E-04	2.16E-05	0.001066	7.84E-08	1.50E-03	0.00036	1.66E-05	0.002296	8.1E-08	0.002673
3040	479353.24	3850443.52	0.19424	0.21655	0.17007	0.12259	3.54E-04	1.8E-05	0.0009	1.3E-07	0.00128	4.34E-04	2.26E-05	0.001105	7.32E-08	1.56E-03	0.000383	1.74E-05	0.002379	7.56E-08	0.002779
3041	479403.24	3850443.52	0.20578	0.22663	0.18021	0.12562	3.75E-04	1.9E-05	0.00096	1.3E-07	0.00135	4.60E-04	2.36E-05	0.001171	7.5E-08	1.65E-03	0.000405	1.82E-05	0.002521	7.75E-08	0.002944
3042	479453.24	3850443.52	0.21474	0.23602	0.18952	0.13604	3.91E-04	2E-05	0.00101	1.5E-07	0.00142	4.80E-04	2.46E-05	0.001231	8.12E-08	1.74E-03	0.000423	1.89E-05	0.002651	8.39E-08	0.003093
3043	479503.24	3850443.52	0.21834	0.24018	0.19709	0.13724	3.98E-04	2E-05	0.00105	1.5E-07	0.00147	4.88E-04	2.5E-05	0.00128	8.19E-08	1.79E-03	0.00043	1.93E-05	0.002757	8.46E-08	0.003206
3044	480327.18	3850987.04	0.26933	0.32175	0.27767	0.24758	4.91E-04	2.7E-05	0.00148	2.6E-07	0.00199	6.02E-04	3.36E-05	0.001804	1.48E-07	2.44E-03	0.00053	2.58E-05	0.003884	1.53E-07	0.004441
3045	480377.18	3850987.04	0.27531	0.33911	0.28788	0.26049	5.02E-04	2.9E-05	0.00153	2.8E-07	0.00206	6.15E-04	3.54E-05	0.00187	1.55E-07	2.52E-03	0.000542	2.72E-05	0.004027	1.61E-07	0.004597
3046	480427.18	3850987.04	0.28741	0.34905	0.29093	0.27397	5.24E-04	3E-05	0.00155	2.9E-07	0.0021	6.42E-04	3.64E-05	0.00189	1.64E-07	2.57E-03	0.000566	2.8E-05	0.00407	1.69E-07	0.004664

3047	480477.18	3850987.04	0.28682	0.35629	0.295	0.27418	5.23E-04	3E-05	0.00157	2.9E-07	0.00212	6.41E-04	3.72E-05	0.001916	1.64E-07	2.59E-03	0.000565	2.86E-05	0.004127	1.69E-07	0.00472
3048	480327.18	3851037.04	0.26997	0.32206	0.27662	0.2329	4.92E-04	2.7E-05	0.00147	2.5E-07	0.00199	6.03E-04	3.36E-05	0.001797	1.39E-07	2.43E-03	0.000532	2.58E-05	0.00387	1.44E-07	0.004427
3049	480377.18	3851037.04	0.27327	0.32674	0.2818	0.25277	4.98E-04	2.8E-05	0.0015	2.7E-07	0.00202	6.10E-04	3.41E-05	0.00183	1.51E-07	2.48E-03	0.000538	2.62E-05	0.003942	1.56E-07	0.004507
3050	480427.18	3851037.04	0.27955	0.34531	0.29262	0.2642	5.10E-04	2.9E-05	0.00155	2.8E-07	0.00209	6.24E-04	3.6E-05	0.001901	1.58E-07	2.56E-03	0.000551	2.77E-05	0.004093	1.63E-07	0.004672
3051	480477.18	3851037.04	0.29142	0.35487	0.29532	0.27826	5.31E-04	3E-05	0.00157	3E-07	0.00213	6.51E-04	3.7E-05	0.001918	1.66E-07	2.61E-03	0.000574	2.85E-05	0.004131	1.72E-07	0.004734
3052	480622.06	3851087.39	0.30407	0.36828	0.30289	0.29474	5.54E-04	3.1E-05	0.00161	3.1E-07	0.0022	6.79E-04	3.84E-05	0.001967	1.76E-07	2.69E-03	0.000599	2.95E-05	0.004237	1.82E-07	0.004866
3053	480672.06	3851087.39	0.30991	0.36891	0.29907	0.28904	5.65E-04	3.1E-05	0.00159	3.1E-07	0.00219	6.92E-04	3.85E-05	0.001943	1.73E-07	2.67E-03	0.00061	2.96E-05	0.004184	1.78E-07	0.004824
3054	480622.06	3851137.39	0.30108	0.37187	0.30549	0.29459	5.49E-04	3.2E-05	0.00162	3.1E-07	0.0022	6.73E-04	3.88E-05	0.001984	1.76E-07	2.70E-03	0.000593	2.98E-05	0.004273	1.82E-07	0.004896
3055	480672.06	3851137.39	0.30782	0.37479	0.30671	0.30175	5.61E-04	3.2E-05	0.00163	3.2E-07	0.00222	6.88E-04	3.91E-05	0.001992	1.8E-07	2.72E-03	0.000606	3.01E-05	0.004291	1.86E-07	0.004927
3056	480722.06	3851137.39	0.31309	0.3733	0.30358	0.29516	5.71E-04	3.2E-05	0.00161	3.1E-07	0.00222	6.99E-04	3.89E-05	0.001972	1.76E-07	2.71E-03	0.000617	2.99E-05	0.004247	1.82E-07	0.004894
3057	480622.06	3851187.39	0.30178	0.3726	0.30699	0.29236	5.50E-04	3.2E-05	0.00163	3.1E-07	0.00221	6.74E-04	3.89E-05	0.001994	1.74E-07	2.71E-03	0.000594	2.99E-05	0.004294	1.8E-07	0.004919
3058	480672.06	3851187.39	0.30537	0.37759	0.30972	0.30155	5.57E-04	3.2E-05	0.00165	3.2E-07	0.00223	6.82E-04	3.94E-05	0.002012	1.8E-07	2.73E-03	0.000601	3.03E-05	0.004333	1.86E-07	0.004965
3059	480722.06	3851187.39	0.31088	0.38127	0.31064	0.30899	5.67E-04	3.2E-05	0.00165	3.3E-07	0.00225	6.94E-04	3.98E-05	0.002018	1.84E-07	2.75E-03	0.000612	3.06E-05	0.004346	1.91E-07	0.004989
3060	471363.09	3845877.25	0.04723	0.0509	0.04967	0.04005	8.61E-05	4.3E-06	0.00026	4.3E-08	0.00035	1.05E-04	5.31E-06	0.000323	2.39E-08	4.33E-04	9.3E-05	4.08E-06	0.000695	2.47E-08	0.000792
3061	471863.09	3845877.25	0.04732	0.04936	0.04354	0.0327	8.63E-05	4.2E-06	0.00023	3.5E-08	0.00032	1.06E-04	5.15E-06	0.000283	1.95E-08	3.94E-04	9.32E-05	3.96E-06	0.000609	2.02E-08	0.000706
3062	472363.09	3845877.25	0.05298	0.05406	0.04601	0.03339	9.66E-05	4.6E-06	0.00024	3.6E-08	0.00035	1.18E-04	5.64E-06	0.000299	1.99E-08	4.23E-04	0.000104	4.34E-06	0.000644	2.06E-08	0.000752
3063	472863.09	3845877.25	0.0349	0.03669	0.0355	0.02875	6.36E-05	3.1E-06	0.00019	3.1E-08	0.00026	7.80E-05	3.83E-06	0.000231	1.72E-08	3.12E-04	6.87E-05	2.94E-06	0.000497	1.77E-08	0.000568
3064	473363.09	3845877.25	0.03737	0.03929	0.03572	0.02632	6.81E-05	3.3E-06	0.00019	2.8E-08	0.00026	8.35E-05	4.1E-06	0.000232	1.57E-08	3.20E-04	7.36E-05	3.15E-06	0.0005	1.62E-08	0.000576
3065	473863.09	3845877.25	0.04028	0.04242	0.03953	0.02653	7.34E-05	3.6E-06	0.00021	2.8E-08	0.00029	9.00E-05	4.42E-06	0.000257	1.58E-08	3.51E-04	7.93E-05	3.4E-06	0.000553	1.64E-08	0.000636
3066	474363.09	3845877.25	0.04103	0.04254	0.03485	0.03041	7.48E-05	3.6E-06	0.00019	3.2E-08	0.00026	9.16E-05	4.44E-06	0.000226	1.81E-08	3.22E-04	8.08E-05	3.41E-06	0.000488	1.87E-08	0.000572
3067	474863.09	3845877.25	0.06314	0.07078	0.06121	0.04196	1.15E-04	6E-06	0.00033	4.5E-08	0.00045	1.41E-04	7.38E-06	0.000398	2.5E-08	5.46E-04	0.000124	5.68E-06	0.000856	2.59E-08	0.000986
3068	475363.09	3845877.25	0.08599	0.09532	0.08409	0.05561	1.57E-04	8.1E-06	0.00045	5.9E-08	0.00061	1.92E-04	9.94E-06	0.000546	3.32E-08	7.48E-04	0.000169	7.65E-06	0.001176	3.43E-08	0.001353
3069	475863.09	3845877.25	0.08646	0.09927	0.0914	0.06043	1.58E-04	8.4E-06	0.00049	6.4E-08	0.00065	1.93E-04	1.04E-05	0.000594	3.61E-08	7.97E-04	0.00017	7.96E-06	0.001279	3.73E-08	0.001457
3070	476363.09	3845877.25	0.08078	0.08881	0.0895	0.06016	1.47E-04	7.6E-06	0.00048	6.4E-08	0.00063	1.80E-04	9.26E-06	0.000581	3.59E-08	7.71E-04	0.000159	7.12E-06	0.001252	3.71E-08	0.001418
3071	476863.09	3845877.25	0.06867	0.07373	0.07358	0.0611	1.25E-04	6.3E-06	0.00039	6.5E-08	0.00052	1.53E-04	7.69E-06	0.000478	3.65E-08	6.39E-04	0.000135	5.91E-06	0.001029	3.77E-08	0.001171
3072	477363.09	3845877.25	0.06052	0.06989	0.06341	0.0485	1.10E-04	5.9E-06	0.00034	5.2E-08	0.00045	1.35E-04	7.29E-06	0.000412	2.89E-08	5.54E-04	0.000119	5.61E-06	0.000887	2.99E-08	0.001012
3073	477863.09	3845877.25	0.04877	0.05732	0.05	0.02773	8.89E-05	4.9E-06	0.00027	3E-08	0.00036	1.09E-04	5.98E-06	0.000325	1.66E-08	4.40E-04	9.61E-05	4.6E-06	0.000699	1.71E-08	0.0008
3074	478363.09	3845877.25	0.04395	0.04305	0.04844	0.03517	8.01E-05	3.7E-06	0.00026	3.8E-08	0.00034	9.82E-05	4.49E-06	0.000315	2.1E-08	4.17E-04	8.66E-05	3.45E-06	0.000678	2.17E-08	0.000768
3075	478863.09	3845877.25	0.04302	0.05445	0.04344	0.02932	7.84E-05	4.6E-06	0.00023	3.1E-08	0.00031	9.61E-05	5.68E-06	0.000282	1.75E-08	3.84E-04	8.47E-05	4.37E-06	0.000608	1.81E-08	0.000697
3076	479363.09	3845877.25	0.04265	0.04683	0.04255	0.0288	7.77E-05	4E-06	0.00023	3.1E-08	0.00031	9.53E-05	4.88E-06	0.000276	1.72E-08	3.77E-04	8.4E-05	3.76E-06	0.000595	1.78E-08	0.000683
3077	479863.09	3845877.25	0.04442	0.04199	0.05103	0.02952	8.10E-05	3.6E-06	0.00027	3.1E-08	0.00036	9.92E-05	4.38E-06	0.000331	1.76E-08	4.35E-04	8.75E-05	3.37E-06	0.000714	1.82E-08	0.000805
3078	480363.09	3845877.25	0.03421	0.03293	0.04191	0.02496	6.24E-05	2.8E-06	0.00022	2.7E-08	0.00029	7.64E-05	3.43E-06	0.000272	1.49E-08	3.52E-04	6.74E-05	2.64E-06	0.000586	1.54E-08	0.000656
3079	480863.09	3845877.25	0.0308	0.03214	0.03566	0.02466	5.61E-05	2.7E-06	0.00019	2.6E-08	0.00025	6.88E-05	3.35E-06	0.000232	1.47E-08	3.04E-04	6.07E-05	2.58E-06	0.000499	1.52E-08	0.000562
3080	481363.09	3845877.25	0.02555	0.03455	0.02935	0.02136	4.66E-05	2.9E-06	0.00016	2.3E-08	0.00021	5.71E-05	3.6E-06	0.000191	1.27E-08	2.51E-04	5.03E-05	2.77E-06	0.000411	1.32E-08	0.000464
3081	481863.09	3845877.25	0.02229	0.02622	0.02608	0.01883	4.06E-05	2.2E-06	0.00014	2E-08	0.00018	4.98E-05	2.73E-06	0.000169	1.12E-08	2.22E-04	4.39E-05	2.1E-06	0.000365	1.16E-08	0.000411
3082	482363.09	3845877.25	0.01664	0.01922	0.02019	0.01639	3.03E-05	1.6E-06	0.00011	1.7E-08	0.00014	3.72E-05	2E-06	0.000131	9.78E-09	1.70E-04	3.28E-05	1.54E-06	0.000282	1.01E-08	0.000317
3083	482863.09	3845877.25	0.01354	0.01419	0.01545	0.01237	2.47E-05	1.2E-06	8.2E-05	1.3E-08	0.00011	3.02E-05	1.48E-06	0.0001	7.38E-09	1.32E-04	2.67E-05	1.14E-06	0.000216	7.63E-09	0.000244
3084	483363.09	3845877.25	0.0124	0.01636	0.01312	0.01203	2.26E-05	1.4E-06	7E-05	1.3E-08	9.4E-05	2.77E-05	1.71E-06	8.52E-05	7.18E-09	1.15E-04	2.44E-05	1.31E-06	0.000184	7.42E-09	0.000209
3085	483863.09	3845877.25	0.01441	0.01855	0.01632	0.01374	2.63E-05	1.6E-06	8.7E-05	1.5E-08	0.00011	3.22E-05	1.93E-06	0.000106	8.2E-09	1.40E-04	2.84E-05	1.49E-06	0.000228	8.47E-09	0.000258
3086	484363.09	3845877.25	0.01388	0.01739	0.01616	0.01382	2.53E-05	1.5E-06	8.6E-05	1.5E-08	0.00011	3.10E-05	1.81E-06	0.000105	8.25E-09	1.38E-04	2.73E-05	1.39E-06	0.000226	8.52E-09	0.000255
3087	484863.09	3845877.25	0.01276	0.01375	0.01451	0.01308	2.33E-05	1.2E-06	7.7E-05	1.4E-08	0.0001	2.85E-05	1.43E-06	9.42E-05	7.81E-09	1.24E-04	2.51E-05	1.1E-06	0.000203	8.06E-09	0.000229
3088	485363.09	3845877.25	0.0113	0.0134	0.01182	0.01212	2.06E-05	1.1E-06	6.3E-05	1.3E-08	8.5E-05	2.52E-05	1.4E-06	7.68E-05	7.23E-09	1.03E-04	2.23E-05	1.07E-06	0.000165	7.47E-09	0.000189
3089	485863.09	3845877.25	0.01097	0.01552	0.01214	0.01176	2.00E-05	1.3E-06	6.5E-05	1.3E-08	8.6E-05	2.45E-05	1.62E-06	7.89E-05	7.02E-09	1.05E-04	2.16E-05	1.24E-06	0.00017	7.25E-09	0.000193
3090	486363.09	3845877.25	0.01078	0.01303	0.01151	0.0119	1.97E-05	1.1E-06	6.1E-05	1.3E-08	8.2E-05	2.41E-05	1.36E-06	7.48E-05	7.1E-09	1.00E-04	2.12E-05	1.05E-06	0.000161	7.34E-09	0.000183
3091	486863.09	3845877.25	0.00899	0.01163	0.00993	0.01005	1.64E-05	9.9E-07	5.3E-05	1.1E-08	7E-05	2.01E-05	1.21E-06	6.45E-05	6E-09	8.58E-05	1.77E-05	9.33E-07	0.000139	6.2E-09	0.000158
3092	487363.09	3845877.25	0.00877	0.0115	0.00863	0.01011	1.60E-05	9.8E-07	4.6E-05	1.1E-08	6.3E-05	1.96E-05	1.2E-06	5.61E-05	6.03E-09	7.68E-05	1.73E-05	9.23E-07	0.000121	6.23E-09	0.000139
3093	487863.09	3845877.25	0.00701	0.00985	0.00854	0.00929	1.28E-05	8.4E-07	4.5E-05	9.9E-09	5.9E-05	1.57E-05	1.03E-06	5.55E-05	5.54E-09	7.22E-05	1.38E-05	7.9E-07	0.000119	5.73E-09	0.000134
3094	488363.09	3845877.25	0.00668	0.00934	0.00739	0.00895	1.22E-05	7.9E-07	3.9E-05	9.5E-09	5.2E-05	1.49E-05	9.74E-07	4.8E-05	5.34E-09	6.39E-05	1.32E-05	7.49E-07	0.000103	5.52E-09	0.000117
3095	488863.09	3845877.25	0.0087	0.01019	0.00889	0.00991	1.59E-05	8.7E-07	4.7E-05	1.1E-08	6.4E-05	1.94E-05	1.06E-06	5.77E-05	5.91E-09	7.82E-05	1.71E-05	8.17E-07	0.000124	6.11E-09	0.000142
3096	489363.09	3845877.25	0.00843	0.00971	0.00887	0.00979	1.54E-05	8.3E-07	4.7E-05	1E-08	6.3E-05	1.88E-05	1.01E-06	5.76E-05	5.84E-09	7.75E-05	1.66E-05	7.79E-07	0.000124	6.04E-09	0.000141
3097	489863.09	3845877.25	0.0077	0.00934	0.00838	0.00904	1.40E-05	7.9E-07	4.5E-05	9.6E-09	5.9E-05	1.72E-05	9.74E-07	5.44E-05	5.4E-09	7.26E-05	1.52E-05	7.49E-07	0.000117	5.57E-09	0.000133
3098	490363.09	3845877.25	0.00701	0.00868	0.00779	0.00852	1.28E-05	7.4E-07	4.1E-05	9.1E-09	5.5E-05	1.57E-05	9.05E-07	5.06E-05	5.09E-09	6.72E-05	1.38E-05	6.96E-07	0.000109	5.25E-09	0.000123
3099	490863.09	3845877.25	0.00577	0.00777	0.00603	0.00775	1.05E-05	6.6E-07	3.2E-05	8.3E-09	4.3E-05	1.29E-05	8.1E-07	3.92E-05	4.63E-09	5.29E-05	1.14E-05	6.23E-07	8.44E-05	4.78E-09	9.63E-05
3100	491363.09	3845877.25	0.00622	0.00944	0.00661	0.00813	1.13E-05	8E-07	3.5E-05	8.7E-09	4.7E-05	1.39E-05	9.84E-07	4.29E-05	4.85E-09	5.78E-05	1.23E-05	7.57E-07	9.25E-05	5.01E-09	0.000105
3101	491863.09	3845877.25	0.00654	0.01093	0.00701	0.00831	1.19E-05	9.3E-07	3.7E-05	8.9E-09	5E-05	1.46E-05	1.14E-06	4.55E-05	4.96E-09	6.13E-05	1.29E-05	8.77E-07	9.81E-05	5.12E-09	0.000112
3102	492363.09	3845877.25	0.0056	0.00856	0.00637	0.00777	1.02E-05	7.3E-07	3.4E-05	8.3E-09	4.5E-05	1.25E-05	8.93E-07	4.14E-05	4.64E-09	5.48E-05	1.1E-05	6.87E-07	8.91E-05	4.79E-09	0.000101
3103	492863.09	3845877.25	0.00666	0.00981	0.00787	0.00851	1.21E-05	8.3E-07	4.2E-05	9.1E-09	5.5E-05	1.49E-05	1.02E-06	5.11E-05	5.08E-09	6.70E-05	1.31E-05	7.87E-07	0.00011	5.25E-09	0.000124
3104	493363.09	3845877.25	0.00709	0.01164	0.00831	0.00849	1.29E-05	9.9E-07	4.4E-05	9.1E-09	5.8E-05	1.58E-05	1.21E-06	5.4E-05	5.07E-09	7.10E-05	1.4E-05	9.34E-07	0.000116	5.23E-09	0.000131
3105	493863.09	3845877.25	0.00781	0.01213	0.00895	0.00891	1.42E-05	1E-06	4.8E-05	9.5E-09	6.3E-05	1.74E-05	1.26E-06	5.81E-05	5.32E-09	7.68E-05	1.54E-05	9.73E-07	0.000125	5.49E-09	0.000142
3106	494363.09	3845877.25	0.00844	0.01179	0.0098	0.00836	1.54E-05	1E-06	5.2E-05	8.9E-09	6.8E-05	1.89E-05	1.23E-06	6.37E-05	4.99E-09	8.37E-05	1.66E-05	9.46E-07	0.000137	5.15E-09	0.000155
3107	494863.09	3845877.25	0.00894	0.01231	0.01018	0.00883	1.63E-05	1E-06	5.4E-05	9.4E-09	7.1E-05	2.00E-05	1.28E-06	6.61E-05	5.27E-09	8.74E-05	1.76E-05	9.87E-07	0.000142	5.44E-09	0.000161

3108	495363.09	3845877.25	0.0094	0.0121	0.01134	0.00931	1.71E-05	1E-06	6E-05	9.9E-09	7.8E-05	2.10E-05	1.26E-06	7.37E-05	5.56E-09	9.59E-05	1.85E-05	9.71E-07	0.000159	5.74E-09	0.000178
3109	495863.09	3845877.25	0.00992	0.01301	0.01158	0.00993	1.81E-05	1.1E-06	6.2E-05	1.1E-08	8.1E-05	2.22E-05	1.36E-06	7.52E-05	5.93E-09	9.87E-05	1.95E-05	1.04E-06	0.000162	6.12E-09	0.000183
3110	496363.09	3845877.25	0.01014	0.0157	0.01134	0.01052	1.85E-05	1.3E-06	6E-05	1.1E-08	8E-05	2.27E-05	1.64E-06	7.37E-05	6.28E-09	9.80E-05	2E-05	1.26E-06	0.000159	6.49E-09	0.00018
3111	496863.09	3845877.25	0.0108	0.01587	0.01168	0.01094	1.97E-05	1.4E-06	6.2E-05	1.2E-08	8.3E-05	2.41E-05	1.65E-06	7.59E-05	6.53E-09	1.02E-04	2.13E-05	1.27E-06	0.000163	6.75E-09	0.000186
3112	497363.09	3845877.25	0.0113	0.01743	0.01205	0.01064	2.06E-05	1.5E-06	6.4E-05	1.1E-08	8.6E-05	2.52E-05	1.82E-06	7.83E-05	6.35E-09	1.05E-04	2.23E-05	1.4E-06	0.000169	6.56E-09	0.000192
3113	497863.09	3845877.25	0.01178	0.01686	0.01268	0.01075	2.15E-05	1.4E-06	6.7E-05	1.1E-08	9E-05	2.63E-05	1.76E-06	8.24E-05	6.42E-09	1.10E-04	2.32E-05	1.35E-06	0.000177	6.63E-09	0.000202
3114	498363.09	3845877.25	0.01222	0.01715	0.01356	0.01135	2.23E-05	1.5E-06	7.2E-05	1.2E-08	9.6E-05	2.73E-05	1.79E-06	8.81E-05	6.77E-09	1.17E-04	2.41E-05	1.38E-06	0.00019	7E-09	0.000215
3115	471363.09	3846377.25	0.06281	0.06822	0.06276	0.05006	1.14E-04	5.8E-06	0.00033	5.3E-08	0.00045	1.40E-04	7.11E-06	0.000408	2.99E-08	5.55E-04	0.000124	5.47E-06	0.000878	3.09E-08	0.001007
3116	471863.09	3846377.25	0.06066	0.06479	0.05798	0.05647	1.11E-04	5.5E-06	0.00031	6E-08	0.00042	1.35E-04	6.76E-06	0.000377	3.37E-08	5.19E-04	0.000119	5.2E-06	0.000811	3.48E-08	0.000936
3117	472363.09	3846377.25	0.052	0.05507	0.05465	0.03847	9.48E-05	4.7E-06	0.00029	4.1E-08	0.00039	1.16E-04	5.74E-06	0.000355	2.3E-08	4.77E-04	0.000102	4.42E-06	0.000764	2.37E-08	0.000871
3118	472863.09	3846377.25	0.04855	0.04865	0.04709	0.03382	8.85E-05	4.1E-06	0.00025	3.6E-08	0.00034	1.08E-04	5.07E-06	0.000306	2.02E-08	4.19E-04	9.56E-05	3.9E-06	0.000659	2.09E-08	0.000758
3119	473363.09	3846377.25	0.0433	0.04458	0.03859	0.03276	7.89E-05	3.8E-06	0.00021	3.5E-08	0.00029	9.67E-05	4.65E-06	0.000251	1.96E-08	3.52E-04	8.53E-05	3.58E-06	0.00054	2.02E-08	0.000629
3120	473863.09	3846377.25	0.04408	0.04371	0.04375	0.03347	8.04E-05	3.7E-06	0.00023	3.6E-08	0.00032	9.85E-05	4.56E-06	0.000284	2E-08	3.87E-04	8.68E-05	3.51E-06	0.000612	2.06E-08	0.000702
3121	474363.09	3846377.25	0.04955	0.05464	0.04712	0.03556	9.03E-05	4.6E-06	0.00025	3.8E-08	0.00035	1.11E-04	5.7E-06	0.000306	2.12E-08	4.22E-04	9.76E-05	4.38E-06	0.000659	2.19E-08	0.000761
3122	474863.09	3846377.25	0.04688	0.05062	0.0397	0.03158	8.55E-05	4.3E-06	0.00021	3.4E-08	0.0003	1.05E-04	5.28E-06	0.000258	1.88E-08	3.68E-04	9.23E-05	4.06E-06	0.000555	1.95E-08	0.000652
3123	475363.09	3846377.25	0.07117	0.07929	0.06557	0.04618	1.30E-04	6.7E-06	0.00035	4.9E-08	0.00048	1.59E-04	8.27E-06	0.000426	2.76E-08	5.93E-04	0.00014	6.36E-06	0.000917	2.85E-08	0.001064
3124	475863.09	3846377.25	0.10331	0.11199	0.09849	0.06643	1.88E-04	9.5E-06	0.00052	7.1E-08	0.00072	2.31E-04	1.17E-05	0.00064	3.96E-08	8.82E-04	0.000203	8.98E-06	0.001378	4.1E-08	0.00159
3125	476363.09	3846377.25	0.09609	0.1131	0.10054	0.06572	1.75E-04	9.6E-06	0.00053	7E-08	0.00072	2.15E-04	1.18E-05	0.000653	3.92E-08	8.80E-04	0.000189	9.07E-06	0.001406	4.05E-08	0.001605
3126	476863.09	3846377.25	0.08761	0.09768	0.09337	0.06948	1.60E-04	8.3E-06	0.0005	7.4E-08	0.00066	1.96E-04	1.02E-05	0.000606	4.15E-08	8.12E-04	0.000173	7.84E-06	0.001306	4.28E-08	0.001487
3127	477363.09	3846377.25	0.0749	0.08371	0.07445	0.06434	1.37E-04	7.1E-06	0.0004	6.9E-08	0.00054	1.67E-04	8.73E-06	0.000484	3.84E-08	6.60E-04	0.000148	6.72E-06	0.001041	3.97E-08	0.001196
3128	477863.09	3846377.25	0.06037	0.07657	0.06089	0.04606	1.10E-04	6.5E-06	0.00032	4.9E-08	0.00044	1.35E-04	7.98E-06	0.000395	2.75E-08	5.38E-04	0.000119	6.14E-06	0.000852	2.84E-08	0.000977
3129	478363.09	3846377.25	0.0527	0.05425	0.05765	0.0342	9.61E-05	4.6E-06	0.00031	3.6E-08	0.00041	1.18E-04	5.66E-06	0.000374	2.04E-08	4.98E-04	0.000104	4.35E-06	0.000806	2.11E-08	0.000915
3130	478863.09	3846377.25	0.0529	0.05114	0.04776	0.04196	9.64E-05	4.4E-06	0.00025	4.5E-08	0.00035	1.18E-04	5.33E-06	0.00031	2.5E-08	4.34E-04	0.000104	4.1E-06	0.000668	2.59E-08	0.000776
3131	479363.09	3846377.25	0.05172	0.06021	0.05237	0.03474	9.43E-05	5.1E-06	0.00028	3.7E-08	0.00038	1.16E-04	6.28E-06	0.00034	2.07E-08	4.62E-04	0.000102	4.83E-06	0.000733	2.14E-08	0.000839
3132	479863.09	3846377.25	0.04869	0.04762	0.05061	0.02936	8.88E-05	4.1E-06	0.00027	3.1E-08	0.00036	1.09E-04	4.97E-06	0.000329	1.75E-08	4.42E-04	9.59E-05	3.82E-06	0.000708	1.81E-08	0.000808
3133	480363.09	3846377.25	0.04956	0.0481	0.05873	0.03217	9.03E-05	4.1E-06	0.00031	3.4E-08	0.00041	1.11E-04	5.02E-06	0.000381	1.92E-08	4.97E-04	9.76E-05	3.86E-06	0.000822	1.98E-08	0.000923
3134	480863.09	3846377.25	0.03706	0.03772	0.04311	0.02688	6.76E-05	3.2E-06	0.00023	2.9E-08	0.0003	8.28E-05	3.93E-06	0.00028	1.6E-08	3.67E-04	7.3E-05	3.03E-06	0.000603	1.66E-08	0.000679
3135	481363.09	3846377.25	0.03273	0.04003	0.03634	0.02578	5.97E-05	3.4E-06	0.00019	2.8E-08	0.00026	7.31E-05	4.17E-06	0.000236	1.54E-08	3.13E-04	6.45E-05	3.21E-06	0.000508	1.59E-08	0.000576
3136	481863.09	3846377.25	0.02576	0.03451	0.02879	0.02199	4.70E-05	2.9E-06	0.00015	2.3E-08	0.0002	5.75E-05	3.6E-06	0.000187	1.31E-08	2.48E-04	5.07E-05	2.77E-06	0.000403	1.36E-08	0.000456
3137	482363.09	3846377.25	0.02144	0.02135	0.0252	0.0184	3.91E-05	1.8E-06	0.00013	2E-08	0.00017	4.79E-05	2.23E-06	0.000164	1.1E-08	2.14E-04	4.22E-05	1.71E-06	0.000353	1.13E-08	0.000396
3138	482863.09	3846377.25	0.01602	0.02014	0.0182	0.01488	2.92E-05	1.7E-06	9.7E-05	1.6E-08	0.00013	3.58E-05	2.1E-06	0.000118	8.88E-09	1.56E-04	3.16E-05	1.62E-06	0.000255	9.17E-09	0.000288
3139	483363.09	3846377.25	0.01848	0.02059	0.01983	0.01569	3.37E-05	1.8E-06	0.00011	1.7E-08	0.00014	4.13E-05	2.15E-06	0.000129	9.36E-09	1.72E-04	3.64E-05	1.65E-06	0.000277	9.67E-09	0.000315
3140	483863.09	3846377.25	0.0169	0.02076	0.01904	0.01628	3.08E-05	1.8E-06	0.0001	1.7E-08	0.00013	3.78E-05	2.16E-06	0.000124	9.72E-09	1.64E-04	3.33E-05	1.67E-06	0.000266	1E-08	0.000301
3141	484363.09	3846377.25	0.01441	0.01769	0.01679	0.01414	2.63E-05	1.5E-06	8.9E-05	1.5E-08	0.00012	3.22E-05	1.84E-06	0.000109	8.44E-09	1.43E-04	2.84E-05	1.42E-06	0.000235	8.72E-09	0.000265
3142	484863.09	3846377.25	0.01517	0.01897	0.01847	0.01463	2.77E-05	1.6E-06	9.8E-05	1.6E-08	0.00013	3.39E-05	1.98E-06	0.00012	8.73E-09	1.56E-04	2.99E-05	1.52E-06	0.000258	9.02E-09	0.00029
3143	485363.09	3846377.25	0.01503	0.01733	0.01548	0.01492	2.74E-05	1.5E-06	8.2E-05	1.6E-08	0.00011	3.36E-05	1.81E-06	0.000101	8.9E-09	1.36E-04	2.96E-05	1.39E-06	0.000217	9.2E-09	0.000248
3144	485863.09	3846377.25	0.01312	0.01673	0.01506	0.01321	2.39E-05	1.4E-06	8E-05	1.4E-08	0.00011	2.93E-05	1.74E-06	9.78E-05	7.88E-09	1.29E-04	2.58E-05	1.34E-06	0.000211	8.14E-09	0.000238
3145	486363.09	3846377.25	0.01051	0.01349	0.01074	0.01147	1.92E-05	1.1E-06	5.7E-05	1.2E-08	7.7E-05	2.35E-05	1.41E-06	6.98E-05	6.85E-09	9.46E-05	2.07E-05	1.08E-06	0.00015	7.07E-09	0.000172
3146	486863.09	3846377.25	0.00905	0.01182	0.00957	0.01049	1.65E-05	1E-06	5.1E-05	1.1E-08	6.8E-05	2.02E-05	1.23E-06	6.22E-05	6.26E-09	8.36E-05	1.78E-05	9.48E-07	0.000134	6.47E-09	0.000153
3147	487363.09	3846377.25	0.00958	0.0121	0.00986	0.01061	1.75E-05	1E-06	5.2E-05	1.1E-08	7.1E-05	2.14E-05	1.26E-06	6.4E-05	6.33E-09	8.67E-05	1.89E-05	9.71E-07	0.000138	6.54E-09	0.000158
3148	487863.09	3846377.25	0.00932	0.01102	0.01221	0.01113	1.70E-05	9.4E-07	6.5E-05	1.2E-08	8.3E-05	2.08E-05	1.15E-06	7.93E-05	6.64E-09	1.01E-04	1.84E-05	8.84E-07	0.000171	6.86E-09	0.00019
3149	488363.09	3846377.25	0.0098	0.01099	0.01119	0.01094	1.79E-05	9.4E-07	5.9E-05	1.2E-08	7.8E-05	2.19E-05	1.15E-06	7.27E-05	6.53E-09	9.57E-05	1.93E-05	8.82E-07	0.000157	6.75E-09	0.000177
3150	488863.09	3846377.25	0.01013	0.01296	0.01023	0.01038	1.85E-05	1.1E-06	5.4E-05	1.1E-08	7.4E-05	2.26E-05	1.35E-06	6.64E-05	6.2E-09	9.04E-05	2E-05	1.04E-06	0.000143	6.4E-09	0.000164
3151	489363.09	3846377.25	0.00921	0.01052	0.00957	0.0105	1.68E-05	9E-07	5.1E-05	1.1E-08	6.9E-05	2.06E-05	1.1E-06	6.22E-05	6.27E-09	8.38E-05	1.81E-05	8.44E-07	0.000134	6.47E-09	0.000153
3152	489863.09	3846377.25	0.00847	0.01058	0.00921	0.00969	1.54E-05	9E-07	4.9E-05	1E-08	6.5E-05	1.89E-05	1.1E-06	5.98E-05	5.78E-09	7.99E-05	1.67E-05	8.49E-07	0.000129	5.97E-09	0.000146
3153	490363.09	3846377.25	0.00727	0.00944	0.008	0.00881	1.33E-05	8E-07	4.3E-05	9.4E-09	5.7E-05	1.62E-05	9.84E-07	5.2E-05	5.26E-09	6.92E-05	1.43E-05	7.57E-07	0.000112	5.43E-09	0.000127
3154	490863.09	3846377.25	0.00667	0.01003	0.00708	0.00837	1.22E-05	8.5E-07	3.8E-05	8.9E-09	5.1E-05	1.49E-05	1.05E-06	4.6E-05	5E-09	6.19E-05	1.31E-05	8.05E-07	9.9E-05	5.16E-09	0.000113
3155	491363.09	3846377.25	0.00615	0.01005	0.00663	0.00855	1.12E-05	8.6E-07	3.5E-05	9.1E-09	4.7E-05	1.37E-05	1.05E-06	4.31E-05	5.1E-09	5.79E-05	1.21E-05	8.06E-07	9.27E-05	5.27E-09	0.000106
3156	491863.09	3846377.25	0.0074	0.01136	0.0084	0.00891	1.35E-05	9.7E-07	4.5E-05	9.5E-09	5.9E-05	1.65E-05	1.18E-06	5.46E-05	5.32E-09	7.23E-05	1.46E-05	9.11E-07	0.000118	5.49E-09	0.000133
3157	492363.09	3846377.25	0.00675	0.01047	0.00809	0.00877	1.23E-05	8.9E-07	4.3E-05	9.4E-09	5.6E-05	1.51E-05	1.09E-06	5.25E-05	5.23E-09	6.87E-05	1.33E-05	8.4E-07	0.000113	5.41E-09	0.000127
3158	492863.09	3846377.25	0.00695	0.01165	0.00783	0.00871	1.27E-05	9.9E-07	4.2E-05	9.3E-09	5.5E-05	1.55E-05	1.21E-06	5.09E-05	5.2E-09	6.76E-05	1.37E-05	9.35E-07	0.00011	5.37E-09	0.000124
3159	493363.09	3846377.25	0.00786	0.01294	0.00894	0.00908	1.43E-05	1.1E-06	4.7E-05	9.7E-09	6.3E-05	1.76E-05	1.35E-06	5.81E-05	5.42E-09	7.70E-05	1.55E-05	1.04E-06	0.000125	5.6E-09	0.000142
3160	493863.09	3846377.25	0.00862	0.01219	0.01005	0.00898	1.57E-05	1E-06	5.3E-05	9.6E-09	7E-05	1.93E-05	1.27E-06	6.53E-05	5.36E-09	8.58E-05	1.7E-05	9.78E-07	0.000141	5.54E-09	0.000159
3161	494363.09	3846377.25	0.00932	0.01348	0.01066	0.00927	1.70E-05	1.1E-06	5.7E-05	9.9E-09	7.5E-05	2.08E-05	1.41E-06	6.92E-05	5.53E-09	9.15E-05	1.84E-05	1.08E-06	0.000149	5.72E-09	0.000169
3162	494863.09	3846377.25	0.0097	0.01322	0.01168	0.00981	1.77E-05	1.1E-06	6.2E-05	1E-08	8.1E-05	2.17E-05	1.38E-06	7.59E-05	5.86E-09	9.89E-05	1.91E-05	1.06E-06	0.000163	6.05E-09	0.000184
3163	495363.09	3846377.25	0.01022	0.01338	0.01184	0.01022	1.86E-05	1.1E-06	6.3E-05	1.1E-08	8.3E-05	2.28E-05	1.4E-06	7.69E-05	6.1E-09	1.01E-04	2.01E-05	1.07E-06	0.000166	6.3E-09	0.000187
3164	495863.09	3846377.25	0.01065	0.01557	0.01164	0.01092	1.94E-05	1.3E-06	6.2E-05	1.2E-08	8.3E-05	2.38E-05	1.62E-06	7.56E-05	6.52E-09	1.01E-04	2.1E-05	1.25E-06	0.000163	6.73E-09	0.000185
3165	496363.09	3846377.25	0.0116	0.01792	0.0124	0.01136	2.11E-05	1.5E-06	6.6E-05	1.2E-08	8.9E-05	2.59E-05	1.87E-06	8.05E-05	6.78E-09	1.08E-04	2.28E-05	1.44E-06	0.000173	7E-09	0.000198
3166	496863.09	3846377.25	0.01239	0.01891	0.01312	0.01128	2.26E-05	1.6E-06	7E-05	1.2E-08	9.4E-05	2.77E-05	1.97E-06	8.52E-05	6.73E-09	1.15E-04	2.44E-05	1.52E-06	0.000184	6.95E-09	0.000209
3167	497363.09	3846377.25	0.01285	0.0193	0.01398	0.01148	2.34E-05	1.6E-06	7.4E-05	1.2E-08	9.9E-05	2.87E-05	2.01E-06	9.08E-05	6.85E-09	1.22E-04	2.53E-05	1.55E-06	0.000196	7.08E-09	0.000222
3168	497863.09	3846377.25	0.01355	0.01823	0.01498	0.01204	2.47E-05	1.6E-06	8E-05	1.3E-08	0.00011	3.03E-05	1.9E-06	9.73E-05	7.19E-09	1.29E-04	2.67E-05	1.46E-06	0.00021	7.42E-09	0.000238

3169	498363.09	3846377.25	0.01415	0.01915	0.01542	0.01259	2.58E-05	1.6E-06	8.2E-05	1.3E-08	0.00011	3.16E-05	2E-06	0.0001	7.51E-09	1.34E-04	2.79E-05	1.54E-06	0.000216	7.76E-09	0.000245
3170	471363.09	3846877.25	0.07001	0.07644	0.06787	0.05934	1.28E-04	6.5E-06	0.00036	6.3E-08	0.00049	1.56E-04	7.97E-06	0.000441	3.54E-08	6.05E-04	0.000138	6.13E-06	0.000949	3.66E-08	0.001093
3171	471863.09	3846877.25	0.06989	0.07569	0.06832	0.06534	1.27E-04	6.4E-06	0.00036	7E-08	0.0005	1.56E-04	7.89E-06	0.000444	3.9E-08	6.08E-04	0.000138	6.07E-06	0.000956	4.03E-08	0.001099
3172	472363.09	3846877.25	0.06158	0.06685	0.0602	0.05435	1.12E-04	5.7E-06	0.00032	5.8E-08	0.00044	1.38E-04	6.97E-06	0.000391	3.24E-08	5.36E-04	0.000121	5.36E-06	0.000842	3.35E-08	0.000969
3173	472863.09	3846877.25	0.05428	0.05857	0.05462	0.04391	9.89E-05	5E-06	0.00029	4.7E-08	0.00039	1.21E-04	6.11E-06	0.000355	2.62E-08	4.82E-04	0.000107	4.7E-06	0.000764	2.71E-08	0.000876
3174	473363.09	3846877.25	0.06157	0.05947	0.05811	0.04582	1.12E-04	5.1E-06	0.00031	4.9E-08	0.00043	1.38E-04	6.2E-06	0.000377	2.73E-08	5.21E-04	0.000121	4.77E-06	0.000813	2.83E-08	0.000939
3175	473863.09	3846877.25	0.05622	0.05572	0.05361	0.04133	1.02E-04	4.7E-06	0.00028	4.4E-08	0.00039	1.26E-04	5.81E-06	0.000348	2.47E-08	4.80E-04	0.000111	4.47E-06	0.00075	2.55E-08	0.000865
3176	474363.09	3846877.25	0.0559	0.05873	0.04966	0.03642	1.02E-04	5E-06	0.00026	3.9E-08	0.00037	1.25E-04	6.12E-06	0.000323	2.17E-08	4.54E-04	0.00011	4.71E-06	0.000695	2.25E-08	0.00081
3177	474863.09	3846877.25	0.05508	0.05956	0.04748	0.03767	1.00E-04	5.1E-06	0.00025	4E-08	0.00036	1.23E-04	6.21E-06	0.000308	2.25E-08	4.38E-04	0.000108	4.78E-06	0.000664	2.32E-08	0.000777
3178	475363.09	3846877.25	0.04646	0.05058	0.04087	0.03195	8.47E-05	4.3E-06	0.00022	3.4E-08	0.00031	1.04E-04	5.27E-06	0.000265	1.91E-08	3.75E-04	9.15E-05	4.06E-06	0.000572	1.97E-08	0.000667
3179	475863.09	3846877.25	0.07874	0.0856	0.06974	0.04844	1.44E-04	7.3E-06	0.00037	5.2E-08	0.00052	1.76E-04	8.93E-06	0.000453	2.89E-08	6.38E-04	0.000155	6.87E-06	0.000976	2.99E-08	0.001138
3180	476363.09	3846877.25	0.11174	0.12015	0.10957	0.07326	2.04E-04	1E-05	0.00058	7.8E-08	0.0008	2.50E-04	1.25E-05	0.000712	4.37E-08	9.74E-04	0.00022	9.64E-06	0.001533	4.52E-08	0.001763
3181	476863.09	3846877.25	0.10867	0.12627	0.10931	0.07343	1.98E-04	1.1E-05	0.00058	7.8E-08	0.00079	2.43E-04	1.32E-05	0.00071	4.38E-08	9.66E-04	0.000214	1.01E-05	0.001529	4.53E-08	0.001753
3182	477363.09	3846877.25	0.09988	0.10676	0.10202	0.08003	1.82E-04	9.1E-06	0.00054	8.5E-08	0.00073	2.23E-04	1.11E-05	0.000663	4.78E-08	8.97E-04	0.000197	8.56E-06	0.001427	4.93E-08	0.001632
3183	477863.09	3846877.25	0.08291	0.08928	0.08882	0.06893	1.51E-04	7.6E-06	0.00047	7.4E-08	0.00063	1.85E-04	9.31E-06	0.000577	4.11E-08	7.71E-04	0.000163	7.16E-06	0.001243	4.25E-08	0.001413
3184	478363.09	3846877.25	0.06512	0.08593	0.06188	0.04863	1.19E-04	7.3E-06	0.00033	5.2E-08	0.00045	1.45E-04	8.96E-06	0.000402	2.9E-08	5.56E-04	0.000128	6.89E-06	0.000866	3E-08	0.001001
3185	478863.09	3846877.25	0.05959	0.06068	0.06616	0.04705	1.09E-04	5.2E-06	0.00035	5E-08	0.00047	1.33E-04	6.33E-06	0.00043	2.81E-08	5.69E-04	0.000117	4.87E-06	0.000926	2.9E-08	0.001048
3186	479363.09	3846877.25	0.05959	0.06733	0.06593	0.0409	1.09E-04	5.7E-06	0.00035	4.4E-08	0.00046	1.33E-04	7.02E-06	0.000428	2.44E-08	5.68E-04	0.000117	5.4E-06	0.000922	2.52E-08	0.001045
3187	479863.09	3846877.25	0.04946	0.05532	0.0483	0.03127	9.02E-05	4.7E-06	0.00026	3.3E-08	0.00035	1.10E-04	5.77E-06	0.000314	1.87E-08	4.30E-04	9.74E-05	4.44E-06	0.000676	1.93E-08	0.000778
3188	480363.09	3846877.25	0.03994	0.04139	0.0486	0.02796	7.28E-05	3.5E-06	0.00026	3E-08	0.00033	8.92E-05	4.32E-06	0.000316	1.67E-08	4.09E-04	7.87E-05	3.32E-06	0.00068	1.72E-08	0.000762
3189	480863.09	3846877.25	0.03323	0.03395	0.0398	0.02456	6.06E-05	2.9E-06	0.00021	2.6E-08	0.00027	7.42E-05	3.54E-06	0.000259	1.47E-08	3.36E-04	6.54E-05	2.72E-06	0.000557	1.51E-08	0.000625
3190	481363.09	3846877.25	0.0342	0.03881	0.04096	0.02654	6.23E-05	3.3E-06	0.00022	2.8E-08	0.00028	7.64E-05	4.05E-06	0.000266	1.58E-08	3.47E-04	6.74E-05	3.11E-06	0.000573	1.64E-08	0.000643
3191	481863.09	3846877.25	0.02981	0.04207	0.03431	0.02408	5.43E-05	3.6E-06	0.00018	2.6E-08	0.00024	6.66E-05	4.39E-06	0.000223	1.44E-08	2.94E-04	5.87E-05	3.37E-06	0.00048	1.48E-08	0.000542
3192	482363.09	3846877.25	0.02376	0.0266	0.02881	0.01977	4.33E-05	2.3E-06	0.00015	2.1E-08	0.0002	5.31E-05	2.77E-06	0.000187	1.18E-08	2.43E-04	4.68E-05	2.13E-06	0.000403	1.22E-08	0.000452
3193	482863.09	3846877.25	0.02015	0.0255	0.02337	0.01836	3.67E-05	2.2E-06	0.00012	2E-08	0.00016	4.50E-05	2.66E-06	0.000152	1.1E-08	1.99E-04	3.97E-05	2.05E-06	0.000327	1.13E-08	0.000369
3194	483363.09	3846877.25	0.02172	0.02639	0.02493	0.01688	3.96E-05	2.2E-06	0.00013	1.8E-08	0.00017	4.85E-05	2.75E-06	0.000162	1.01E-08	2.13E-04	4.28E-05	2.12E-06	0.000349	1.04E-08	0.000394
3195	483863.09	3846877.25	0.01923	0.02546	0.02197	0.0182	3.51E-05	2.2E-06	0.00012	1.9E-08	0.00015	4.30E-05	2.65E-06	0.000143	1.09E-08	1.88E-04	3.79E-05	2.04E-06	0.000307	1.12E-08	0.000347
3196	484363.09	3846877.25	0.01891	0.02329	0.02168	0.01623	3.45E-05	2E-06	0.00012	1.7E-08	0.00015	4.22E-05	2.43E-06	0.000141	9.69E-09	1.85E-04	3.72E-05	1.87E-06	0.000303	1E-08	0.000342
3197	484863.09	3846877.25	0.01702	0.02056	0.02102	0.01565	3.10E-05	1.7E-06	0.00011	1.7E-08	0.00014	3.80E-05	2.14E-06	0.000137	9.34E-09	1.77E-04	3.35E-05	1.65E-06	0.000294	9.65E-09	0.000329
3198	485363.09	3846877.25	0.01713	0.02114	0.01798	0.01645	3.12E-05	1.8E-06	9.6E-05	1.8E-08	0.00013	3.83E-05	2.2E-06	0.000117	9.82E-09	1.57E-04	3.37E-05	1.7E-06	0.000252	1.01E-08	0.000287
3199	485863.09	3846877.25	0.0154	0.01877	0.01742	0.0146	2.81E-05	1.6E-06	9.3E-05	1.6E-08	0.00012	3.44E-05	1.96E-06	0.000113	8.71E-09	1.50E-04	3.03E-05	1.51E-06	0.000244	9E-09	0.000276
3200	486363.09	3846877.25	0.01596	0.01828	0.01757	0.01479	2.91E-05	1.6E-06	9.3E-05	1.6E-08	0.00012	3.57E-05	1.91E-06	0.000114	8.83E-09	1.52E-04	3.14E-05	1.47E-06	0.000246	9.12E-09	0.000279
3201	486863.09	3846877.25	0.01284	0.01648	0.01435	0.01241	2.34E-05	1.4E-06	7.6E-05	1.3E-08	0.0001	2.87E-05	1.72E-06	9.32E-05	7.41E-09	1.24E-04	2.53E-05	1.32E-06	0.000201	7.65E-09	0.000227
3202	487363.09	3846877.25	0.01221	0.01662	0.01345	0.01182	2.23E-05	1.4E-06	7.1E-05	1.3E-08	9.5E-05	2.73E-05	1.73E-06	8.74E-05	7.05E-09	1.16E-04	2.4E-05	1.33E-06	0.000188	7.29E-09	0.000214
3203	487863.09	3846877.25	0.01146	0.0121	0.01381	0.0124	2.09E-05	1E-06	7.3E-05	1.3E-08	9.5E-05	2.56E-05	1.26E-06	8.97E-05	7.4E-09	1.17E-04	2.26E-05	9.71E-07	0.000193	7.65E-09	0.000217
3204	488363.09	3846877.25	0.0113	0.01258	0.01268	0.01124	2.06E-05	1.1E-06	6.7E-05	1.2E-08	8.9E-05	2.52E-05	1.31E-06	8.24E-05	6.71E-09	1.09E-04	2.23E-05	1.01E-06	0.000177	6.93E-09	0.000201
3205	488863.09	3846877.25	0.0115	0.01363	0.01144	0.01092	2.10E-05	1.2E-06	6.1E-05	1.2E-08	8.3E-05	2.57E-05	1.42E-06	7.43E-05	6.52E-09	1.01E-04	2.26E-05	1.09E-06	0.00016	6.73E-09	0.000184
3206	489363.09	3846877.25	0.01065	0.01241	0.01083	0.01157	1.94E-05	1.1E-06	5.8E-05	1.2E-08	7.8E-05	2.38E-05	1.29E-06	7.03E-05	6.91E-09	9.54E-05	2.1E-05	9.96E-07	0.000152	7.13E-09	0.000173
3207	489863.09	3846877.25	0.01003	0.0136	0.0102	0.01016	1.83E-05	1.2E-06	5.4E-05	1.1E-08	7.4E-05	2.24E-05	1.42E-06	6.63E-05	6.06E-09	9.01E-05	1.98E-05	1.09E-06	0.000143	6.26E-09	0.000164
3208	490363.09	3846877.25	0.00836	0.01131	0.00898	0.00956	1.52E-05	9.6E-07	4.8E-05	1E-08	6.4E-05	1.87E-05	1.18E-06	5.83E-05	5.71E-09	7.82E-05	1.65E-05	9.07E-07	0.000126	5.89E-09	0.000143
3209	490863.09	3846877.25	0.00835	0.01332	0.00846	0.00957	1.52E-05	1.1E-06	4.5E-05	1E-08	6.1E-05	1.87E-05	1.39E-06	5.5E-05	5.71E-09	7.50E-05	1.64E-05	1.07E-06	0.000118	5.9E-09	0.000136
3210	491363.09	3846877.25	0.00793	0.01226	0.00912	0.00971	1.45E-05	1E-06	4.8E-05	1E-08	6.4E-05	1.77E-05	1.28E-06	5.92E-05	5.8E-09	7.82E-05	1.56E-05	9.83E-07	0.000128	5.99E-09	0.000144
3211	491863.09	3846877.25	0.00739	0.01041	0.00827	0.00913	1.35E-05	8.9E-07	4.4E-05	9.7E-09	5.8E-05	1.65E-05	1.09E-06	5.37E-05	5.45E-09	7.13E-05	1.46E-05	8.35E-07	0.000116	5.63E-09	0.000131
3212	492363.09	3846877.25	0.0082	0.01284	0.0097	0.01003	1.49E-05	1.1E-06	5.2E-05	1.1E-08	6.8E-05	1.83E-05	1.34E-06	6.3E-05	5.99E-09	8.27E-05	1.61E-05	1.03E-06	0.000136	6.18E-09	0.000153
3213	492863.09	3846877.25	0.0085	0.01424	0.00976	0.00947	1.55E-05	1.2E-06	5.2E-05	1E-08	6.9E-05	1.90E-05	1.48E-06	6.34E-05	5.65E-09	8.39E-05	1.67E-05	1.14E-06	0.000137	5.84E-09	0.000154
3214	493363.09	3846877.25	0.00948	0.01307	0.01051	0.00962	1.73E-05	1.1E-06	5.6E-05	1E-08	7.4E-05	2.12E-05	1.36E-06	6.83E-05	5.74E-09	9.08E-05	1.87E-05	1.05E-06	0.000147	5.93E-09	0.000167
3215	493863.09	3846877.25	0.00973	0.01473	0.01118	0.00986	1.77E-05	1.3E-06	5.9E-05	1.1E-08	7.8E-05	2.17E-05	1.54E-06	7.26E-05	5.88E-09	9.59E-05	1.92E-05	1.18E-06	0.000156	6.08E-09	0.000177
3216	494363.09	3846877.25	0.01005	0.01381	0.0119	0.01018	1.83E-05	1.2E-06	6.3E-05	1.1E-08	8.3E-05	2.24E-05	1.44E-06	7.73E-05	6.08E-09	1.01E-04	1.98E-05	1.11E-06	0.000166	6.28E-09	0.000187
3217	494863.09	3846877.25	0.01063	0.01372	0.01204	0.01046	1.94E-05	1.2E-06	6.4E-05	1.1E-08	8.5E-05	2.37E-05	1.43E-06	7.82E-05	6.24E-09	1.03E-04	2.09E-05	1.1E-06	0.000168	6.45E-09	0.00019
3218	495363.09	3846877.25	0.01097	0.01511	0.01187	0.01102	2.00E-05	1.3E-06	6.3E-05	1.2E-08	8.4E-05	2.45E-05	1.58E-06	7.71E-05	6.58E-09	1.03E-04	2.16E-05	1.21E-06	0.000166	6.79E-09	0.000189
3219	495863.09	3846877.25	0.0117	0.01891	0.01253	0.0114	2.13E-05	1.6E-06	6.7E-05	1.2E-08	9E-05	2.61E-05	1.97E-06	8.14E-05	6.8E-09	1.09E-04	2.3E-05	1.52E-06	0.000175	7.03E-09	0.0002
3220	496363.09	3846877.25	0.01252	0.01864	0.01294	0.01158	2.28E-05	1.6E-06	6.9E-05	1.2E-08	9.3E-05	2.80E-05	1.94E-06	8.4E-05	6.91E-09	1.14E-04	2.47E-05	1.5E-06	0.000181	7.14E-09	0.000207
3221	496863.09	3846877.25	0.01325	0.01918	0.01448	0.01183	2.42E-05	1.6E-06	7.7E-05	1.3E-08	0.0001	2.96E-05	2E-06	9.41E-05	7.06E-09	1.26E-04	2.61E-05	1.54E-06	0.000203	7.29E-09	0.00023
3222	497363.09	3846877.25	0.01466	0.01964	0.01625	0.0129	2.67E-05	1.7E-06	8.6E-05	1.4E-08	0.00011	3.27E-05	2.05E-06	0.000106	7.7E-09	1.40E-04	2.89E-05	1.58E-06	0.000227	7.95E-09	0.000258
3223	497863.09	3846877.25	0.01557	0.02165	0.01687	0.01349	2.84E-05	1.8E-06	9E-05	1.4E-08	0.00012	3.48E-05	2.26E-06	0.00011	8.05E-09	1.47E-04	3.07E-05	1.74E-06	0.000236	8.32E-09	0.000268
3224	498363.09	3846877.25	0.01515	0.02277	0.01692	0.01429	2.76E-05	1.9E-06	9E-05	1.5E-08	0.00012	3.38E-05	2.37E-06	0.00011	8.53E-09	1.46E-04	2.98E-05	1.83E-06	0.000237	8.81E-09	0.000268
3225	471363.09	3847377.25	0.08346	0.09103	0.07816	0.06818	1.52E-04	7.7E-06	0.00042	7.3E-08	0.00058	1.86E-04	9.49E-06	0.000508	4.07E-08	7.04E-04	0.000164	7.3E-06	0.001093	4.2E-08	0.001265
3226	471863.09	3847377.25	0.0792	0.08591	0.07419	0.06989	1.44E-04	7.3E-06	0.00039	7.5E-08	0.00055	1.77E-04	8.96E-06	0.000482	4.17E-08	6.68E-04	0.000156	6.89E-06	0.001038	4.31E-08	0.001201
3227	472363.09	3847377.25	0.07931	0.08261	0.07504	0.06687	1.45E-04	7E-06	0.0004	7.1E-08	0.00055	1.77E-04	8.61E-06	0.000487	3.99E-08	6.73E-04	0.000156	6.63E-06	0.00105	4.12E-08	0.001213
3228	472863.09	3847377.25	0.07441	0.08144	0.07589	0.05828	1.36E-04	6.9E-06	0.0004	6.2E-08	0.00055	1.66E-04	8.49E-06	0.000493	3.48E-08	6.68E-04	0.000147	6.53E-06	0.001062	3.59E-08	0.001215
3229	473363.09	3847377.25	0.06617	0.06996	0.06882	0.05676	1.21E-04	6E-06	0.00037	6.1E-08	0.00049	1.48E-04	7.3E-06	0.000447	3.39E-08	6.02E-04	0.00013	5.61E-06	0.000963	3.5E-08	0.001099

3230	473863.09	3847377.25	0.07459	0.07999	0.07113	0.05118	1.36E-04	6.8E-06	0.00038	5.5E-08	0.00052	1.67E-04	8.34E-06	0.000462	3.05E-08	6.37E-04	0.000147	6.42E-06	0.000995	3.16E-08	0.001148
3231	474363.09	3847377.25	0.07748	0.0793	0.07769	0.0509	1.41E-04	6.7E-06	0.00041	5.4E-08	0.00056	1.73E-04	8.27E-06	0.000505	3.04E-08	6.86E-04	0.000153	6.36E-06	0.001087	3.14E-08	0.001246
3232	474863.09	3847377.25	0.06367	0.06719	0.05472	0.04114	1.16E-04	5.7E-06	0.00029	4.4E-08	0.00041	1.42E-04	7.01E-06	0.000355	2.46E-08	5.05E-04	0.000125	5.39E-06	0.000765	2.54E-08	0.000896
3233	475363.09	3847377.25	0.06055	0.06043	0.05453	0.03597	1.10E-04	5.1E-06	0.00029	3.8E-08	0.00041	1.35E-04	6.3E-06	0.000354	2.15E-08	4.96E-04	0.000119	4.85E-06	0.000763	2.22E-08	0.000887
3234	475863.09	3847377.25	0.05354	0.05611	0.0494	0.03602	9.76E-05	4.8E-06	0.00026	3.8E-08	0.00036	1.20E-04	5.85E-06	0.000321	2.15E-08	4.46E-04	0.000105	4.5E-06	0.000691	2.22E-08	0.000801
3235	476363.09	3847377.25	0.09765	0.10477	0.08154	0.05435	1.78E-04	8.9E-06	0.00043	5.8E-08	0.00062	2.18E-04	1.09E-05	0.00053	3.24E-08	7.59E-04	0.000192	8.4E-06	0.001141	3.35E-08	0.001341
3236	476863.09	3847377.25	0.12199	0.1306	0.12198	0.08014	2.22E-04	1.1E-05	0.00065	8.5E-08	0.00088	2.72E-04	1.36E-05	0.000792	4.78E-08	1.08E-03	0.00024	1.05E-05	0.001706	4.94E-08	0.001957
3237	477363.09	3847377.25	0.12798	0.14161	0.12084	0.08558	2.33E-04	1.2E-05	0.00064	9.1E-08	0.00089	2.86E-04	1.48E-05	0.000785	5.11E-08	1.09E-03	0.000252	1.14E-05	0.00169	5.28E-08	0.001954
3238	477863.09	3847377.25	0.11385	0.11348	0.11129	0.08759	2.08E-04	9.7E-06	0.00059	9.3E-08	0.00081	2.54E-04	1.18E-05	0.000723	5.23E-08	9.89E-04	0.000224	9.1E-06	0.001557	5.4E-08	0.00179
3239	478363.09	3847377.25	0.09031	0.10549	0.09638	0.07263	1.65E-04	9E-06	0.00051	7.7E-08	0.00069	2.02E-04	1.1E-05	0.000626	4.33E-08	8.39E-04	0.000178	8.46E-06	0.001348	4.48E-08	0.001535
3240	478863.09	3847377.25	0.07144	0.09718	0.07329	0.05178	1.30E-04	8.3E-06	0.00039	5.5E-08	0.00053	1.60E-04	1.01E-05	0.000476	3.09E-08	6.46E-04	0.000141	7.8E-06	0.001025	3.19E-08	0.001174
3241	479363.09	3847377.25	0.05829	0.05705	0.0659	0.04325	1.06E-04	4.9E-06	0.00035	4.6E-08	0.00046	1.30E-04	5.95E-06	0.000428	2.58E-08	5.64E-04	0.000115	4.58E-06	0.000922	2.67E-08	0.001041
3242	479863.09	3847377.25	0.04498	0.05104	0.04862	0.03092	8.20E-05	4.3E-06	0.00026	3.3E-08	0.00034	1.00E-04	5.32E-06	0.000316	1.85E-08	4.22E-04	8.86E-05	4.09E-06	0.00068	1.91E-08	0.000773
3243	480363.09	3847377.25	0.02821	0.03233	0.03105	0.02078	5.14E-05	2.8E-06	0.00016	2.2E-08	0.00022	6.30E-05	3.37E-06	0.000202	1.24E-08	2.68E-04	5.56E-05	2.59E-06	0.000434	1.28E-08	0.000493
3244	480863.09	3847377.25	0.02377	0.02529	0.02435	0.02072	4.33E-05	2.2E-06	0.00013	2.2E-08	0.00017	5.31E-05	2.64E-06	0.000158	1.24E-08	2.14E-04	4.68E-05	2.03E-06	0.000341	1.28E-08	0.000389
3245	481363.09	3847377.25	0.02766	0.02722	0.03076	0.02312	5.04E-05	2.3E-06	0.00016	2.5E-08	0.00022	6.18E-05	2.84E-06	0.0002	1.38E-08	2.64E-04	5.45E-05	2.18E-06	0.00043	1.43E-08	0.000487
3246	481863.09	3847377.25	0.0349	0.0428	0.03891	0.02678	6.36E-05	3.6E-06	0.00021	2.9E-08	0.00027	7.80E-05	4.46E-06	0.000253	1.6E-08	3.35E-04	6.87E-05	3.43E-06	0.000544	1.65E-08	0.000616
3247	482363.09	3847377.25	0.0288	0.03604	0.03522	0.0241	5.25E-05	3.1E-06	0.00019	2.6E-08	0.00024	6.43E-05	3.76E-06	0.000229	1.44E-08	2.97E-04	5.67E-05	2.89E-06	0.000493	1.49E-08	0.000552
3248	482863.09	3847377.25	0.02582	0.02895	0.0304	0.02093	4.71E-05	2.5E-06	0.00016	2.2E-08	0.00021	5.77E-05	3.02E-06	0.000197	1.25E-08	2.58E-04	5.09E-05	2.32E-06	0.000425	1.29E-08	0.000478
3249	483363.09	3847377.25	0.02478	0.0305	0.0289	0.01776	4.52E-05	2.6E-06	0.00015	1.9E-08	0.0002	5.54E-05	3.18E-06	0.000188	1.06E-08	2.46E-04	4.88E-05	2.45E-06	0.000404	1.1E-08	0.000456
3250	483863.09	3847377.25	0.02292	0.02873	0.02674	0.01992	4.18E-05	2.4E-06	0.00014	2.1E-08	0.00019	5.12E-05	3E-06	0.000174	1.19E-08	2.28E-04	4.51E-05	2.3E-06	0.000374	1.23E-08	0.000422
3251	484363.09	3847377.25	0.02303	0.03199	0.02702	0.01949	4.20E-05	2.7E-06	0.00014	2.1E-08	0.00019	5.14E-05	3.34E-06	0.000176	1.16E-08	2.30E-04	4.54E-05	2.57E-06	0.000378	1.2E-08	0.000426
3252	484863.09	3847377.25	0.0213	0.0246	0.0246	0.01737	3.88E-05	2.1E-06	0.00013	1.9E-08	0.00017	4.76E-05	2.57E-06	0.00016	1.04E-08	2.10E-04	4.19E-05	1.97E-06	0.000344	1.07E-08	0.000388
3253	485363.09	3847377.25	0.02001	0.02624	0.02188	0.0185	3.65E-05	2.2E-06	0.00012	2E-08	0.00015	4.47E-05	2.74E-06	0.000142	1.1E-08	1.90E-04	3.94E-05	2.1E-06	0.000306	1.14E-08	0.000348
3254	485863.09	3847377.25	0.01806	0.02742	0.02026	0.01602	3.29E-05	2.3E-06	0.00011	1.7E-08	0.00014	4.03E-05	2.86E-06	0.000132	9.56E-09	1.75E-04	3.56E-05	2.2E-06	0.000283	9.88E-09	0.000321
3255	486363.09	3847377.25	0.0188	0.02187	0.02063	0.01649	3.43E-05	1.9E-06	0.00011	1.8E-08	0.00015	4.20E-05	2.28E-06	0.000134	9.84E-09	1.78E-04	3.7E-05	1.75E-06	0.000289	1.02E-08	0.000327
3256	486863.09	3847377.25	0.01625	0.02066	0.01795	0.01484	2.96E-05	1.8E-06	9.5E-05	1.6E-08	0.00013	3.63E-05	2.15E-06	0.000117	8.86E-09	1.55E-04	3.2E-05	1.66E-06	0.000251	9.15E-09	0.000285
3257	487363.09	3847377.25	0.01525	0.01948	0.01695	0.01381	2.78E-05	1.7E-06	9E-05	1.5E-08	0.00012	3.41E-05	2.03E-06	0.00011	8.24E-09	1.46E-04	3E-05	1.56E-06	0.000237	8.51E-09	0.000269
3258	487863.09	3847377.25	0.01374	0.01435	0.0162	0.01408	2.50E-05	1.2E-06	8.6E-05	1.5E-08	0.00011	3.07E-05	1.5E-06	0.000105	8.4E-09	1.37E-04	2.71E-05	1.15E-06	0.000227	8.68E-09	0.000255
3259	488363.09	3847377.25	0.01355	0.0179	0.01424	0.01176	2.47E-05	1.5E-06	7.6E-05	1.3E-08	0.0001	3.03E-05	1.87E-06	9.25E-05	7.02E-09	1.25E-04	2.67E-05	1.44E-06	0.000199	7.25E-09	0.000227
3260	488863.09	3847377.25	0.0125	0.01465	0.01322	0.01281	2.28E-05	1.2E-06	7E-05	1.4E-08	9.4E-05	2.79E-05	1.53E-06	8.59E-05	7.65E-09	1.15E-04	2.46E-05	1.18E-06	0.000185	7.9E-09	0.000211
3261	489363.09	3847377.25	0.01194	0.01461	0.0121	0.01257	2.18E-05	1.2E-06	6.4E-05	1.3E-08	8.7E-05	2.67E-05	1.52E-06	7.86E-05	7.5E-09	1.07E-04	2.35E-05	1.17E-06	0.000169	7.75E-09	0.000194
3262	489863.09	3847377.25	0.01076	0.01346	0.0111	0.01082	1.96E-05	1.1E-06	5.9E-05	1.2E-08	8E-05	2.40E-05	1.4E-06	7.21E-05	6.46E-09	9.75E-05	2.12E-05	1.08E-06	0.000155	6.67E-09	0.000178
3263	490363.09	3847377.25	0.01009	0.01594	0.01073	0.01048	1.84E-05	1.4E-06	5.7E-05	1.1E-08	7.7E-05	2.25E-05	1.66E-06	6.97E-05	6.25E-09	9.39E-05	1.99E-05	1.28E-06	0.00015	6.46E-09	0.000171
3264	490863.09	3847377.25	0.00985	0.01747	0.01071	0.01071	1.80E-05	1.5E-06	5.7E-05	1.1E-08	7.6E-05	2.20E-05	1.82E-06	6.96E-05	6.39E-09	9.34E-05	1.94E-05	1.4E-06	0.00015	6.6E-09	0.000171
3265	491363.09	3847377.25	0.00945	0.01381	0.01098	0.01067	1.72E-05	1.2E-06	5.8E-05	1.1E-08	7.7E-05	2.11E-05	1.44E-06	7.13E-05	6.37E-09	9.39E-05	1.86E-05	1.11E-06	0.000154	6.58E-09	0.000173
3266	491863.09	3847377.25	0.00994	0.0154	0.01151	0.0112	1.81E-05	1.3E-06	6.1E-05	1.2E-08	8.1E-05	2.22E-05	1.61E-06	7.48E-05	6.68E-09	9.86E-05	1.96E-05	1.24E-06	0.000161	6.91E-09	0.000182
3267	492363.09	3847377.25	0.00962	0.01599	0.011	0.01023	1.75E-05	1.4E-06	5.8E-05	1.1E-08	7.7E-05	2.15E-05	1.67E-06	7.14E-05	6.11E-09	9.46E-05	1.89E-05	1.28E-06	0.000154	6.31E-09	0.000174
3268	492863.09	3847377.25	0.01048	0.01467	0.01125	0.01027	1.91E-05	1.2E-06	6E-05	1.1E-08	8E-05	2.34E-05	1.53E-06	7.31E-05	6.13E-09	9.80E-05	2.06E-05	1.18E-06	0.000157	6.33E-09	0.000179
3269	493363.09	3847377.25	0.01043	0.01493	0.01201	0.01042	1.90E-05	1.3E-06	6.4E-05	1.1E-08	8.4E-05	2.33E-05	1.56E-06	7.8E-05	6.22E-09	1.03E-04	2.05E-05	1.2E-06	0.000168	6.42E-09	0.00019
3270	493863.09	3847377.25	0.01042	0.01416	0.01221	0.0105	1.90E-05	1.2E-06	6.5E-05	1.1E-08	8.5E-05	2.33E-05	1.48E-06	7.93E-05	6.27E-09	1.04E-04	2.05E-05	1.14E-06	0.000171	6.47E-09	0.000192
3271	494363.09	3847377.25	0.01072	0.01437	0.0121	0.01067	1.95E-05	1.2E-06	6.4E-05	1.1E-08	8.5E-05	2.39E-05	1.5E-06	7.86E-05	6.37E-09	1.04E-04	2.11E-05	1.15E-06	0.000169	6.58E-09	0.000192
3272	494863.09	3847377.25	0.0111	0.01591	0.01206	0.01106	2.02E-05	1.4E-06	6.4E-05	1.2E-08	8.6E-05	2.48E-05	1.66E-06	7.83E-05	6.6E-09	1.05E-04	2.19E-05	1.28E-06	0.000169	6.82E-09	0.000192
3273	495363.09	3847377.25	0.01181	0.01865	0.01229	0.01125	2.15E-05	1.6E-06	6.5E-05	1.2E-08	8.8E-05	2.64E-05	1.94E-06	7.98E-05	6.71E-09	1.08E-04	2.33E-05	1.5E-06	0.000172	6.94E-09	0.000197
3274	495863.09	3847377.25	0.01239	0.01879	0.01306	0.01169	2.26E-05	1.6E-06	6.9E-05	1.2E-08	9.4E-05	2.77E-05	1.96E-06	8.48E-05	6.98E-09	1.14E-04	2.44E-05	1.51E-06	0.000183	7.21E-09	0.000209
3275	496363.09	3847377.25	0.01299	0.01812	0.01457	0.01196	2.37E-05	1.5E-06	7.7E-05	1.3E-08	0.0001	2.90E-05	1.89E-06	9.46E-05	7.14E-09	1.26E-04	2.56E-05	1.45E-06	0.000204	7.37E-09	0.000231
3276	496863.09	3847377.25	0.01382	0.01854	0.01531	0.01284	2.52E-05	1.6E-06	8.1E-05	1.4E-08	0.00011	3.09E-05	1.93E-06	9.94E-05	7.66E-09	1.32E-04	2.72E-05	1.49E-06	0.000214	7.92E-09	0.000243
3277	497363.09	3847377.25	0.01516	0.02136	0.01704	0.01382	2.76E-05	1.8E-06	9.1E-05	1.5E-08	0.00012	3.39E-05	2.23E-06	0.000111	8.25E-09	1.47E-04	2.99E-05	1.71E-06	0.000238	8.52E-09	0.00027
3278	497863.09	3847377.25	0.01682	0.0244	0.01884	0.01526	3.07E-05	2.1E-06	0.0001	1.6E-08	0.00013	3.76E-05	2.54E-06	0.000122	9.11E-09	1.62E-04	3.31E-05	1.96E-06	0.000264	9.41E-09	0.000299
3279	498363.09	3847377.25	0.01713	0.02417	0.01922	0.01576	3.12E-05	2.1E-06	0.0001	1.7E-08	0.00014	3.83E-05	2.52E-06	0.000125	9.41E-09	1.66E-04	3.37E-05	1.94E-06	0.000269	9.72E-09	0.000305
3280	471363.09	3847877.25	0.09413	0.10448	0.09679	0.08135	1.72E-04	8.9E-06	0.00051	8.7E-08	0.00069	2.10E-04	1.09E-05	0.000629	4.86E-08	8.50E-04	0.000185	8.38E-06	0.001354	5.02E-08	0.001548
3281	471863.09	3847877.25	0.10213	0.11387	0.09558	0.07643	1.86E-04	9.7E-06	0.00051	8.2E-08	0.0007	2.28E-04	1.19E-05	0.000621	4.56E-08	8.61E-04	0.000201	9.13E-06	0.001337	4.71E-08	0.001547
3282	472363.09	3847877.25	0.08637	0.09677	0.08326	0.07156	1.57E-04	8.2E-06	0.00044	7.6E-08	0.00061	1.93E-04	1.01E-05	0.000541	4.27E-08	7.44E-04	0.00017	7.76E-06	0.001165	4.41E-08	0.001343
3283	472863.09	3847877.25	0.09046	0.09917	0.07973	0.07459	1.65E-04	8.4E-06	0.00042	8E-08	0.0006	2.02E-04	1.03E-05	0.000518	4.45E-08	7.30E-04	0.000178	7.96E-06	0.001115	4.6E-08	0.001302
3284	473363.09	3847877.25	0.08499	0.09165	0.08337	0.07721	1.55E-04	7.8E-06	0.00044	8.2E-08	0.00061	1.90E-04	9.56E-06	0.000542	4.61E-08	7.41E-04	0.000167	7.35E-06	0.001166	4.76E-08	0.001341
3285	473863.09	3847877.25	0.07826	0.08183	0.07351	0.06698	1.43E-04	7E-06	0.00039	7.1E-08	0.00054	1.75E-04	8.53E-06	0.000477	4E-08	6.61E-04	0.000154	6.56E-06	0.001028	4.13E-08	0.001189
3286	474363.09	3847877.25	0.08609	0.08957	0.0821	0.06656	1.57E-04	7.6E-06	0.00044	7.1E-08	0.0006	1.92E-04	9.34E-06	0.000533	3.97E-08	7.35E-04	0.00017	7.19E-06	0.001148	4.1E-08	0.001325
3287	474863.09	3847877.25	0.08984	0.09323	0.07839	0.06058	1.64E-04	7.9E-06	0.00042	6.5E-08	0.00059	2.01E-04	9.72E-06	0.000509	3.62E-08	7.20E-04	0.000177	7.48E-06	0.001097	3.74E-08	0.001281
3288	475363.09	3847877.25	0.07224	0.07327	0.06605	0.04995	1.32E-04	6.2E-06	0.00035	5.3E-08	0.00049	1.61E-04	7.64E-06	0.000429	2.98E-08	5.98E-04	0.000142	5.88E-06	0.000924	3.08E-08	0.001072
3289	475863.09	3847877.25	0.06949	0.0705	0.06713	0.04468	1.27E-04	6E-06	0.00036	4.8E-08	0.00049	1.55E-04	7.35E-06	0.000436	2.67E-08	5.99E-04	0.000137	5.66E-06	0.000939	2.75E-08	0.001082
3290	476363.09	3847877.25	0.07368	0.07294	0.06959	0.04999	1.34E-04	6.2E-06	0.00037	5.3E-08	0.00051	1.65E-04	7.61E-06	0.000452	2.98E-08	6.24E-04	0.000145	5.85E-06	0.000973	3.08E-08	0.001124

3291	476863.09	3847877.25	0.11357	0.12337	0.09459	0.06035	2.07E-04	1E-05	0.0005	6.4E-08	0.00072	2.54E-04	1.29E-05	0.000614	3.6E-08	8.81E-04	0.000224	9.9E-06	0.001323	3.72E-08	0.001557
3292	477363.09	3847877.25	0.13787	0.14781	0.13741	0.09393	2.51E-04	1.3E-05	0.00073	1E-07	0.00099	3.08E-04	1.54E-05	0.000893	5.61E-08	1.22E-03	0.000272	1.19E-05	0.001922	5.79E-08	0.002206
3293	477863.09	3847877.25	0.14598	0.15582	0.13684	0.10301	2.66E-04	1.3E-05	0.00073	1.1E-07	0.00101	3.26E-04	1.62E-05	0.000889	6.15E-08	1.23E-03	0.000288	1.25E-05	0.001914	6.35E-08	0.002214
3294	478363.09	3847877.25	0.1216	0.12211	0.13117	0.09851	2.22E-04	1E-05	0.0007	1.1E-07	0.00093	2.72E-04	1.27E-05	0.000852	5.88E-08	1.14E-03	0.000239	9.8E-06	0.001835	6.07E-08	0.002084
3295	478863.09	3847877.25	0.09998	0.13061	0.10707	0.08094	1.82E-04	1.1E-05	0.00057	8.6E-08	0.00076	2.23E-04	1.36E-05	0.000695	4.83E-08	9.32E-04	0.000197	1.05E-05	0.001498	4.99E-08	0.001705
3296	479363.09	3847877.25	0.06482	0.06579	0.07352	0.03947	1.18E-04	5.6E-06	0.00039	4.2E-08	0.00051	1.45E-04	6.86E-06	0.000478	2.36E-08	6.29E-04	0.000128	5.28E-06	0.001028	2.43E-08	0.001161
3297	479863.09	3847877.25	0.03282	0.0356	0.03657	0.0281	5.98E-05	3E-06	0.00019	3E-08	0.00026	7.33E-05	3.71E-06	0.000238	1.68E-08	3.15E-04	6.46E-05	2.86E-06	0.000512	1.73E-08	0.000579
3298	480363.09	3847877.25	0.03345	0.03928	0.03748	0.02766	6.10E-05	3.3E-06	0.0002	3E-08	0.00026	7.47E-05	4.1E-06	0.000243	1.65E-08	3.22E-04	6.59E-05	3.15E-06	0.000524	1.71E-08	0.000593
3299	480863.09	3847877.25	0.02905	0.03312	0.03369	0.02435	5.30E-05	2.8E-06	0.00018	2.6E-08	0.00023	6.49E-05	3.45E-06	0.000219	1.45E-08	2.87E-04	5.72E-05	2.66E-06	0.000471	1.5E-08	0.000531
3300	481363.09	3847877.25	0.02926	0.03243	0.03381	0.02525	5.33E-05	2.8E-06	0.00018	2.7E-08	0.00024	6.54E-05	3.38E-06	0.00022	1.51E-08	2.88E-04	5.76E-05	2.6E-06	0.000473	1.56E-08	0.000533
3301	481863.09	3847877.25	0.04179	0.04889	0.05397	0.03122	7.62E-05	4.2E-06	0.00029	3.3E-08	0.00037	9.33E-05	5.1E-06	0.000351	1.86E-08	4.49E-04	8.23E-05	3.92E-06	0.000755	1.92E-08	0.000841
3302	482363.09	3847877.25	0.03512	0.05006	0.04002	0.02842	6.40E-05	4.3E-06	0.00021	3E-08	0.00028	7.84E-05	5.22E-06	0.00026	1.7E-08	3.44E-04	6.92E-05	4.02E-06	0.00056	1.75E-08	0.000633
3303	482863.09	3847877.25	0.02942	0.03713	0.03433	0.02394	5.36E-05	3.2E-06	0.00018	2.6E-08	0.00024	6.57E-05	3.87E-06	0.000223	1.43E-08	2.93E-04	5.79E-05	2.98E-06	0.00048	1.48E-08	0.000541
3304	483363.09	3847877.25	0.02824	0.036	0.03339	0.02009	5.15E-05	3.1E-06	0.00018	2.1E-08	0.00023	6.31E-05	3.75E-06	0.000217	1.2E-08	2.84E-04	5.56E-05	2.89E-06	0.000467	1.24E-08	0.000526
3305	483863.09	3847877.25	0.0278	0.03181	0.03292	0.02187	5.07E-05	2.7E-06	0.00017	2.3E-08	0.00023	6.21E-05	3.32E-06	0.000214	1.31E-08	2.79E-04	5.48E-05	2.55E-06	0.000461	1.35E-08	0.000518
3306	484363.09	3847877.25	0.02652	0.03738	0.0316	0.02298	4.83E-05	3.2E-06	0.00017	2.5E-08	0.00022	5.92E-05	3.9E-06	0.000205	1.37E-08	2.68E-04	5.22E-05	3E-06	0.000442	1.42E-08	0.000497
3307	484863.09	3847877.25	0.02529	0.03109	0.02902	0.01979	4.61E-05	2.6E-06	0.00015	2.1E-08	0.0002	5.65E-05	3.24E-06	0.000188	1.18E-08	2.48E-04	4.98E-05	2.49E-06	0.000406	1.22E-08	0.000458
3308	485363.09	3847877.25	0.02542	0.0317	0.02792	0.02075	4.63E-05	2.7E-06	0.00015	2.2E-08	0.0002	5.68E-05	3.31E-06	0.000181	1.24E-08	2.41E-04	5.01E-05	2.54E-06	0.000391	1.28E-08	0.000443
3309	485863.09	3847877.25	0.02306	0.03485	0.02545	0.01922	4.20E-05	3E-06	0.00014	2.1E-08	0.00018	5.15E-05	3.63E-06	0.000165	1.15E-08	2.20E-04	4.54E-05	2.8E-06	0.000356	1.19E-08	0.000404
3310	486363.09	3847877.25	0.02107	0.02828	0.02395	0.01844	3.84E-05	2.4E-06	0.00013	2E-08	0.00017	4.71E-05	2.95E-06	0.000156	1.1E-08	2.06E-04	4.15E-05	2.27E-06	0.000335	1.14E-08	0.000379
3311	486863.09	3847877.25	0.01976	0.0269	0.02267	0.01737	3.60E-05	2.3E-06	0.00012	1.9E-08	0.00016	4.41E-05	2.81E-06	0.000147	1.04E-08	1.94E-04	3.89E-05	2.16E-06	0.000317	1.07E-08	0.000358
3312	487363.09	3847877.25	0.01853	0.02336	0.01898	0.01589	3.38E-05	2E-06	0.0001	1.7E-08	0.00014	4.14E-05	2.44E-06	0.000123	9.48E-09	1.67E-04	3.65E-05	1.87E-06	0.000266	9.8E-09	0.000304
3313	487863.09	3847877.25	0.01584	0.01655	0.01905	0.01535	2.89E-05	1.4E-06	0.0001	1.6E-08	0.00013	3.54E-05	1.73E-06	0.000124	9.16E-09	1.61E-04	3.12E-05	1.33E-06	0.000266	9.46E-09	0.000299
3314	488363.09	3847877.25	0.01546	0.01844	0.0163	0.01286	2.82E-05	1.6E-06	8.7E-05	1.4E-08	0.00012	3.45E-05	1.92E-06	0.000106	7.68E-09	1.42E-04	3.04E-05	1.48E-06	0.000228	7.93E-09	0.00026
3315	488863.09	3847877.25	0.01453	0.01722	0.01484	0.0142	2.65E-05	1.5E-06	7.9E-05	1.5E-08	0.00011	3.25E-05	1.8E-06	9.64E-05	8.48E-09	1.31E-04	2.86E-05	1.38E-06	0.000208	8.76E-09	0.000238
3316	489363.09	3847877.25	0.01386	0.01904	0.01445	0.01343	2.53E-05	1.6E-06	7.7E-05	1.4E-08	0.0001	3.10E-05	1.99E-06	9.39E-05	8.02E-09	1.27E-04	2.73E-05	1.53E-06	0.000202	8.28E-09	0.000231
3317	489863.09	3847877.25	0.0134	0.02404	0.01467	0.01235	2.44E-05	2E-06	7.8E-05	1.3E-08	0.0001	2.99E-05	2.51E-06	9.53E-05	7.37E-09	1.28E-04	2.64E-05	1.93E-06	0.000205	7.61E-09	0.000234
3318	490363.09	3847877.25	0.01352	0.02546	0.01445	0.01234	2.46E-05	2.2E-06	7.7E-05	1.3E-08	0.0001	3.02E-05	2.65E-06	9.39E-05	7.37E-09	1.27E-04	2.66E-05	2.04E-06	0.000202	7.61E-09	0.000231
3319	490863.09	3847877.25	0.01265	0.01967	0.01445	0.01298	2.31E-05	1.7E-06	7.7E-05	1.4E-08	0.0001	2.83E-05	2.05E-06	9.39E-05	7.75E-09	1.24E-04	2.49E-05	1.58E-06	0.000202	8E-09	0.000229
3320	491363.09	3847877.25	0.01157	0.01814	0.0133	0.01213	2.11E-05	1.5E-06	7.1E-05	1.3E-08	9.3E-05	2.58E-05	1.89E-06	8.64E-05	7.24E-09	1.14E-04	2.28E-05	1.46E-06	0.000186	7.48E-09	0.00021
3321	491863.09	3847877.25	0.01151	0.01962	0.01294	0.01193	2.10E-05	1.7E-06	6.9E-05	1.3E-08	9.1E-05	2.57E-05	2.05E-06	8.4E-05	7.12E-09	1.12E-04	2.27E-05	1.57E-06	0.000181	7.36E-09	0.000205
3322	492363.09	3847877.25	0.01172	0.01779	0.01286	0.01139	2.14E-05	1.5E-06	6.8E-05	1.2E-08	9.1E-05	2.62E-05	1.86E-06	8.35E-05	6.8E-09	1.12E-04	2.31E-05	1.43E-06	0.00018	7.02E-09	0.000204
3323	492863.09	3847877.25	0.01148	0.01645	0.01314	0.01116	2.09E-05	1.4E-06	7E-05	1.2E-08	9.2E-05	2.56E-05	1.72E-06	8.53E-05	6.66E-09	1.13E-04	2.26E-05	1.32E-06	0.000184	6.88E-09	0.000208
3324	493363.09	3847877.25	0.0111	0.01522	0.01266	0.01088	2.02E-05	1.3E-06	6.7E-05	1.2E-08	8.9E-05	2.48E-05	1.59E-06	8.22E-05	6.49E-09	1.09E-04	2.19E-05	1.22E-06	0.000177	6.71E-09	0.0002
3325	493863.09	3847877.25	0.01083	0.0144	0.01217	0.01109	1.97E-05	1.2E-06	6.5E-05	1.2E-08	8.6E-05	2.42E-05	1.5E-06	7.9E-05	6.62E-09	1.05E-04	2.13E-05	1.16E-06	0.00017	6.84E-09	0.000193
3326	494363.09	3847877.25	0.01132	0.01695	0.01223	0.01129	2.06E-05	1.4E-06	6.5E-05	1.2E-08	8.7E-05	2.53E-05	1.77E-06	7.94E-05	6.74E-09	1.06E-04	2.23E-05	1.36E-06	0.000171	6.96E-09	0.000195
3327	494863.09	3847877.25	0.01188	0.019	0.01257	0.01145	2.17E-05	1.6E-06	6.7E-05	1.2E-08	9E-05	2.65E-05	1.98E-06	8.16E-05	6.83E-09	1.10E-04	2.34E-05	1.52E-06	0.000176	7.06E-09	0.000201
3328	495363.09	3847877.25	0.01192	0.01845	0.01324	0.01197	2.17E-05	1.6E-06	7E-05	1.3E-08	9.4E-05	2.66E-05	1.92E-06	8.6E-05	7.14E-09	1.15E-04	2.35E-05	1.48E-06	0.000185	7.38E-09	0.00021
3329	495863.09	3847877.25	0.01095	0.01511	0.01209	0.01134	2.00E-05	1.3E-06	6.4E-05	1.2E-08	8.5E-05	2.45E-05	1.58E-06	7.85E-05	6.77E-09	1.05E-04	2.16E-05	1.21E-06	0.000169	6.99E-09	0.000192
3330	496363.09	3847877.25	0.01339	0.01748	0.01486	0.01288	2.44E-05	1.5E-06	7.9E-05	1.4E-08	0.0001	2.99E-05	1.82E-06	9.65E-05	7.69E-09	1.28E-04	2.64E-05	1.4E-06	0.000208	7.94E-09	0.000236
3331	496863.09	3847877.25	0.01409	0.01903	0.01595	0.01377	2.57E-05	1.6E-06	8.5E-05	1.5E-08	0.00011	3.15E-05	1.98E-06	0.000104	8.22E-09	1.37E-04	2.77E-05	1.53E-06	0.000223	8.49E-09	0.000252
3332	497363.09	3847877.25	0.01549	0.02116	0.01722	0.01476	2.82E-05	1.8E-06	9.1E-05	1.6E-08	0.00012	3.46E-05	2.21E-06	0.000112	8.81E-09	1.49E-04	3.05E-05	1.7E-06	0.000241	9.1E-09	0.000273
3333	497863.09	3847877.25	0.01844	0.02471	0.0203	0.01719	3.36E-05	2.1E-06	0.00011	1.8E-08	0.00014	4.12E-05	2.58E-06	0.000132	1.03E-08	1.76E-04	3.63E-05	1.98E-06	0.000284	1.06E-08	0.000322
3334	498363.09	3847877.25	0.01937	0.02722	0.02191	0.01783	3.53E-05	2.3E-06	0.00012	1.9E-08	0.00015	4.33E-05	2.84E-06	0.000142	1.06E-08	1.88E-04	3.81E-05	2.18E-06	0.000306	1.1E-08	0.000347
3335	471363.09	3848377.25	0.08242	0.09018	0.0955	0.09282	1.50E-04	7.7E-06	0.00051	9.9E-08	0.00067	1.84E-04	9.4E-06	0.00062	5.54E-08	8.14E-04	0.000162	7.23E-06	0.001336	5.72E-08	0.001506
3336	471863.09	3848377.25	0.09825	0.10817	0.1022	0.09291	1.79E-04	9.2E-06	0.00054	9.9E-08	0.00073	2.19E-04	1.13E-05	0.000664	5.55E-08	8.95E-04	0.000194	8.68E-06	0.00143	5.73E-08	0.001632
3337	472363.09	3848377.25	0.10292	0.1148	0.10658	0.09397	1.88E-04	9.8E-06	0.00057	1E-07	0.00076	2.30E-04	1.2E-05	0.000692	5.61E-08	9.34E-04	0.000203	9.21E-06	0.001491	5.79E-08	0.001703
3338	472863.09	3848377.25	0.11137	0.12664	0.1029	0.08458	2.03E-04	1.1E-05	0.00055	9E-08	0.00076	2.49E-04	1.32E-05	0.000668	5.05E-08	9.30E-04	0.000219	1.02E-05	0.001439	5.21E-08	0.001669
3339	473363.09	3848377.25	0.09529	0.10319	0.09416	0.08173	1.74E-04	8.8E-06	0.0005	8.7E-08	0.00068	2.13E-04	1.08E-05	0.000612	4.88E-08	8.35E-04	0.000188	8.28E-06	0.001317	5.04E-08	0.001513
3340	473863.09	3848377.25	0.09628	0.10383	0.09233	0.08011	1.76E-04	8.8E-06	0.00049	8.5E-08	0.00067	2.15E-04	1.08E-05	0.0006	4.78E-08	8.26E-04	0.00019	8.33E-06	0.001292	4.94E-08	0.00149
3341	474363.09	3848377.25	0.0907	0.0993	0.09065	0.07336	1.65E-04	8.4E-06	0.00048	7.8E-08	0.00066	2.03E-04	1.04E-05	0.000589	4.38E-08	8.02E-04	0.000179	7.97E-06	0.001268	4.52E-08	0.001455
3342	474863.09	3848377.25	0.08946	0.09253	0.08663	0.07338	1.63E-04	7.9E-06	0.00046	7.8E-08	0.00063	2.00E-04	9.65E-06	0.000563	4.38E-08	7.72E-04	0.000176	7.42E-06	0.001212	4.52E-08	0.001396
3343	475363.09	3848377.25	0.10021	0.10665	0.10289	0.07581	1.83E-04	9.1E-06	0.00055	8.1E-08	0.00074	2.24E-04	1.11E-05	0.000668	4.52E-08	9.03E-04	0.000197	8.56E-06	0.001439	4.67E-08	0.001645
3344	475863.09	3848377.25	0.08877	0.0871	0.07769	0.05661	1.62E-04	7.4E-06	0.00041	6E-08	0.00058	1.98E-04	9.08E-06	0.000505	3.38E-08	7.12E-04	0.000175	6.99E-06	0.001087	3.49E-08	0.001269
3345	476363.09	3848377.25	0.07762	0.08291	0.07315	0.05144	1.41E-04	7.1E-06	0.00039	5.5E-08	0.00054	1.73E-04	8.65E-06	0.000475	3.07E-08	6.57E-04	0.000153	6.65E-06	0.001023	3.17E-08	0.001183
3346	476863.09	3848377.25	0.08949	0.09378	0.08236	0.06911	1.63E-04	8E-06	0.00044	7.4E-08	0.00061	2.00E-04	9.78E-06	0.000535	4.12E-08	7.45E-04	0.000176	7.52E-06	0.001152	4.26E-08	0.001336
3347	477363.09	3848377.25	0.12652	0.1406	0.11114	0.06804	2.31E-04	1.2E-05	0.00059	7.3E-08	0.00083	2.83E-04	1.47E-05	0.000722	4.06E-08	1.02E-03	0.000249	1.13E-05	0.001555	4.2E-08	0.001815
3348	477863.09	3848377.25	0.15213	0.16998	0.15785	0.10813	2.77E-04	1.4E-05	0.00084	1.2E-07	0.00113	3.40E-04	1.77E-05	0.001025	6.45E-08	1.38E-03	0.0003	1.36E-05	0.002208	6.67E-08	0.002521
3349	478363.09	3848377.25	0.15834	0.17118	0.15716	0.11552	2.89E-04	1.5E-05	0.00084	1.2E-07	0.00114	3.54E-04	1.79E-05	0.001021	6.89E-08	1.39E-03	0.000312	1.37E-05	0.002199	7.12E-08	0.002524
3350	478863.09	3848377.25	0.12376	0.12888	0.14246	0.1023	2.26E-04	1.1E-05	0.00076	1.1E-07	0.00099	2.76E-04	1.34E-05	0.000925	6.11E-08	1.22E-03	0.000244	1.03E-05	0.001993	6.31E-08	0.002247
3351	479363.09	3848377.25	0.08723	0.10221	0.10057	0.0662	1.59E-04	8.7E-06	0.00053	7.1E-08	0.0007	1.95E-04	1.07E-05	0.000653	3.95E-08	8.59E-04	0.000172	8.2E-06	0.001407	4.08E-08	0.001587

3352	479863.09	3848377.25	0.02191	0.02469	0.02518	0.01906	3.99E-05	2.1E-06	0.00013	2E-08	0.00018	4.89E-05	2.57E-06	0.000164	1.14E-08	2.15E-04	4.32E-05	1.98E-06	0.000352	1.18E-08	0.000397
3353	480363.09	3848377.25	0.03571	0.03594	0.04005	0.02914	6.51E-05	3.1E-06	0.00021	3.1E-08	0.00028	7.98E-05	3.75E-06	0.00026	1.74E-08	3.44E-04	7.03E-05	2.88E-06	0.00056	1.8E-08	0.000633
3354	480863.09	3848377.25	0.05043	0.06566	0.05859	0.03316	9.19E-05	5.6E-06	0.00031	3.5E-08	0.00041	1.13E-04	6.85E-06	0.000381	1.98E-08	5.00E-04	9.93E-05	5.27E-06	0.00082	2.04E-08	0.000924
3355	481363.09	3848377.25	0.05235	0.05298	0.06497	0.03514	9.54E-05	4.5E-06	0.00035	3.7E-08	0.00045	1.17E-04	5.52E-06	0.000422	2.1E-08	5.44E-04	0.000103	4.25E-06	0.000909	2.17E-08	0.001016
3356	481863.09	3848377.25	0.05005	0.05836	0.06304	0.03588	9.12E-05	5E-06	0.00033	3.8E-08	0.00043	1.12E-04	6.09E-06	0.000409	2.14E-08	5.27E-04	9.86E-05	4.68E-06	0.000882	2.21E-08	0.000985
3357	482363.09	3848377.25	0.0496	0.06088	0.0579	0.03603	9.04E-05	5.2E-06	0.00031	3.8E-08	0.0004	1.11E-04	6.35E-06	0.000376	2.15E-08	4.93E-04	9.77E-05	4.88E-06	0.00081	2.22E-08	0.000913
3358	482863.09	3848377.25	0.03569	0.04602	0.04242	0.02874	6.51E-05	3.9E-06	0.00023	3.1E-08	0.00029	7.97E-05	4.8E-06	0.000276	1.72E-08	3.60E-04	7.03E-05	3.69E-06	0.000593	1.77E-08	0.000667
3359	483363.09	3848377.25	0.03414	0.04545	0.04064	0.02625	6.22E-05	3.9E-06	0.00022	2.8E-08	0.00028	7.63E-05	4.74E-06	0.000264	1.57E-08	3.45E-04	6.72E-05	3.65E-06	0.000569	1.62E-08	0.000639
3360	483863.09	3848377.25	0.03189	0.03584	0.03864	0.02303	5.81E-05	3E-06	0.00021	2.5E-08	0.00027	7.12E-05	3.74E-06	0.000251	1.37E-08	3.26E-04	6.28E-05	2.88E-06	0.000541	1.42E-08	0.000606
3361	484363.09	3848377.25	0.02863	0.04086	0.03385	0.02549	5.22E-05	3.5E-06	0.00018	2.7E-08	0.00024	6.40E-05	4.26E-06	0.00022	1.52E-08	2.88E-04	5.64E-05	3.28E-06	0.000474	1.57E-08	0.000533
3362	484863.09	3848377.25	0.0313	0.03646	0.03592	0.02367	5.71E-05	3.1E-06	0.00019	2.5E-08	0.00025	6.99E-05	3.8E-06	0.000233	1.41E-08	3.07E-04	6.16E-05	2.92E-06	0.000502	1.46E-08	0.000567
3363	485363.09	3848377.25	0.03035	0.03382	0.0334	0.02412	5.53E-05	2.9E-06	0.00018	2.6E-08	0.00024	6.78E-05	3.53E-06	0.000217	1.44E-08	2.88E-04	5.98E-05	2.71E-06	0.000467	1.49E-08	0.00053
3364	485863.09	3848377.25	0.02786	0.04252	0.02992	0.02237	5.08E-05	3.6E-06	0.00016	2.4E-08	0.00021	6.22E-05	4.43E-06	0.000194	1.34E-08	2.61E-04	5.49E-05	3.41E-06	0.000419	1.38E-08	0.000477
3365	486363.09	3848377.25	0.02552	0.03734	0.02912	0.02096	4.65E-05	3.2E-06	0.00015	2.2E-08	0.0002	5.70E-05	3.89E-06	0.000189	1.25E-08	2.50E-04	5.03E-05	3E-06	0.000407	1.29E-08	0.000461
3366	486863.09	3848377.25	0.02315	0.03098	0.02841	0.01945	4.22E-05	2.6E-06	0.00015	2.1E-08	0.0002	5.17E-05	3.23E-06	0.000185	1.16E-08	2.39E-04	4.56E-05	2.49E-06	0.000397	1.2E-08	0.000446
3367	487363.09	3848377.25	0.02017	0.02483	0.02115	0.01756	3.68E-05	2.1E-06	0.00011	1.9E-08	0.00015	4.51E-05	2.59E-06	0.000137	1.05E-08	1.85E-04	3.97E-05	1.99E-06	0.000296	1.08E-08	0.000338
3368	487863.09	3848377.25	0.018	0.02276	0.02202	0.0167	3.28E-05	1.9E-06	0.00012	1.8E-08	0.00015	4.02E-05	2.37E-06	0.000143	9.97E-09	1.86E-04	3.55E-05	1.83E-06	0.000308	1.03E-08	0.000345
3369	488363.09	3848377.25	0.01745	0.02549	0.0188	0.01554	3.18E-05	2.2E-06	1E-04	1.7E-08	0.00013	3.90E-05	2.66E-06	0.000122	9.27E-09	1.64E-04	3.44E-05	2.04E-06	0.000263	9.58E-09	0.000299
3370	488863.09	3848377.25	0.01684	0.02376	0.01756	0.01593	3.07E-05	2E-06	9.3E-05	1.7E-08	0.00013	3.76E-05	2.48E-06	0.000114	9.51E-09	1.54E-04	3.32E-05	1.91E-06	0.000246	9.82E-09	0.000281
3371	489363.09	3848377.25	0.017	0.02475	0.0176	0.01359	3.10E-05	2.1E-06	9.4E-05	1.4E-08	0.00013	3.80E-05	2.58E-06	0.000114	8.11E-09	1.55E-04	3.35E-05	1.99E-06	0.000246	8.38E-09	0.000282
3372	489863.09	3848377.25	0.01638	0.03264	0.01807	0.01409	2.99E-05	2.8E-06	9.6E-05	1.5E-08	0.00013	3.66E-05	3.4E-06	0.000117	8.41E-09	1.57E-04	3.23E-05	2.62E-06	0.000253	8.69E-09	0.000288
3373	490363.09	3848377.25	0.01543	0.02732	0.01702	0.01391	2.81E-05	2.3E-06	9E-05	1.5E-08	0.00012	3.45E-05	2.85E-06	0.000111	8.3E-09	1.48E-04	3.04E-05	2.19E-06	0.000238	8.58E-09	0.000271
3374	490863.09	3848377.25	0.01408	0.02335	0.01611	0.01421	2.57E-05	2E-06	8.6E-05	1.5E-08	0.00011	3.15E-05	2.43E-06	0.000105	8.48E-09	1.39E-04	2.77E-05	1.87E-06	0.000225	8.76E-09	0.000255
3375	491363.09	3848377.25	0.01361	0.02214	0.01476	0.01328	2.48E-05	1.9E-06	7.8E-05	1.4E-08	0.00011	3.04E-05	2.31E-06	9.59E-05	7.93E-09	1.29E-04	2.68E-05	1.78E-06	0.000206	8.19E-09	0.000235
3376	491863.09	3848377.25	0.01321	0.02106	0.01479	0.0125	2.41E-05	1.8E-06	7.9E-05	1.3E-08	0.0001	2.95E-05	2.2E-06	9.61E-05	7.46E-09	1.28E-04	2.6E-05	1.69E-06	0.000207	7.71E-09	0.000235
3377	492363.09	3848377.25	0.01238	0.01771	0.0139	0.01201	2.26E-05	1.5E-06	7.4E-05	1.3E-08	9.8E-05	2.77E-05	1.85E-06	9.03E-05	7.17E-09	1.20E-04	2.44E-05	1.42E-06	0.000194	7.41E-09	0.00022
3378	492863.09	3848377.25	0.01154	0.01663	0.01313	0.01129	2.10E-05	1.4E-06	7E-05	1.2E-08	9.2E-05	2.58E-05	1.73E-06	8.53E-05	6.74E-09	1.13E-04	2.27E-05	1.33E-06	0.000184	6.96E-09	0.000208
3379	493363.09	3848377.25	0.0117	0.01561	0.01282	0.0115	2.13E-05	1.3E-06	6.8E-05	1.2E-08	9.1E-05	2.61E-05	1.63E-06	8.33E-05	6.86E-09	1.11E-04	2.3E-05	1.25E-06	0.000179	7.09E-09	0.000204
3380	493863.09	3848377.25	0.01196	0.01841	0.01271	0.01146	2.18E-05	1.6E-06	6.8E-05	1.2E-08	9.1E-05	2.67E-05	1.92E-06	8.26E-05	6.84E-09	1.11E-04	2.36E-05	1.48E-06	0.000178	7.07E-09	0.000203
3381	494363.09	3848377.25	0.01188	0.01895	0.01279	0.01168	2.17E-05	1.6E-06	6.8E-05	1.2E-08	9.1E-05	2.65E-05	1.98E-06	8.31E-05	6.97E-09	1.12E-04	2.34E-05	1.52E-06	0.000179	7.2E-09	0.000204
3382	494863.09	3848377.25	0.01273	0.01936	0.01424	0.0124	2.32E-05	1.6E-06	7.6E-05	1.3E-08	0.0001	2.84E-05	2.02E-06	9.25E-05	7.4E-09	1.23E-04	2.51E-05	1.55E-06	0.000199	7.65E-09	0.000226
3383	495363.09	3848377.25	0.01187	0.01624	0.01348	0.01221	2.16E-05	1.4E-06	7.2E-05	1.3E-08	9.5E-05	2.65E-05	1.69E-06	8.76E-05	7.29E-09	1.16E-04	2.34E-05	1.3E-06	0.000189	7.53E-09	0.000213
3384	495863.09	3848377.25	0.01256	0.01606	0.01379	0.01261	2.29E-05	1.4E-06	7.3E-05	1.3E-08	9.8E-05	2.81E-05	1.67E-06	8.96E-05	7.53E-09	1.19E-04	2.47E-05	1.29E-06	0.000193	7.77E-09	0.000219
3385	496363.09	3848377.25	0.01347	0.01855	0.01489	0.01314	2.46E-05	1.6E-06	7.9E-05	1.4E-08	0.00011	3.01E-05	1.93E-06	9.67E-05	7.84E-09	1.29E-04	2.65E-05	1.49E-06	0.000208	8.1E-09	0.000236
3386	496863.09	3848377.25	0.01345	0.01886	0.01466	0.01325	2.45E-05	1.6E-06	7.8E-05	1.4E-08	0.0001	3.00E-05	1.97E-06	9.52E-05	7.91E-09	1.27E-04	2.65E-05	1.51E-06	0.000205	8.17E-09	0.000233
3387	497363.09	3848377.25	0.01519	0.01942	0.01667	0.01499	2.77E-05	1.7E-06	8.9E-05	1.6E-08	0.00012	3.39E-05	2.03E-06	0.000108	8.95E-09	1.44E-04	2.99E-05	1.56E-06	0.000233	9.24E-09	0.000265
3388	497863.09	3848377.25	0.02078	0.02952	0.02311	0.01896	3.79E-05	2.5E-06	0.00012	2E-08	0.00016	4.64E-05	3.08E-06	0.00015	1.13E-08	2.00E-04	4.09E-05	2.37E-06	0.000323	1.17E-08	0.000367
3389	498363.09	3848377.25	0.02193	0.03113	0.02472	0.01908	4.00E-05	2.6E-06	0.00013	2E-08	0.00017	4.90E-05	3.25E-06	0.000161	1.14E-08	2.13E-04	4.32E-05	2.5E-06	0.000346	1.18E-08	0.000392
3390	471363.09	3848877.25	0.08911	0.10466	0.08416	0.0878	1.62E-04	8.9E-06	0.00045	9.4E-08	0.00062	1.99E-04	1.09E-05	0.000547	5.24E-08	7.57E-04	0.000175	8.4E-06	0.001177	5.41E-08	0.001361
3391	471863.09	3848877.25	0.09857	0.11084	0.10005	0.09688	1.80E-04	9.4E-06	0.00053	1E-07	0.00072	2.20E-04	1.16E-05	0.00065	5.78E-08	8.82E-04	0.000194	8.89E-06	0.0014	5.97E-08	0.001603
3392	472363.09	3848877.25	0.09462	0.10166	0.10218	0.1029	1.72E-04	8.7E-06	0.00054	1.1E-07	0.00072	2.11E-04	1.06E-05	0.000664	6.14E-08	8.86E-04	0.000186	8.15E-06	0.001429	6.34E-08	0.001624
3393	472863.09	3848877.25	0.11221	0.12671	0.11591	0.1104	2.05E-04	1.1E-05	0.00062	1.2E-07	0.00083	2.51E-04	1.32E-05	0.000753	6.59E-08	1.02E-03	0.000221	1.02E-05	0.001621	6.81E-08	0.001853
3394	473363.09	3848877.25	0.11492	0.12797	0.116	0.10991	2.09E-04	1.1E-05	0.00062	1.2E-07	0.00084	2.57E-04	1.33E-05	0.000753	6.56E-08	1.02E-03	0.000226	1.03E-05	0.001623	6.78E-08	0.001859
3395	473863.09	3848877.25	0.11064	0.12847	0.11131	0.09592	2.02E-04	1.1E-05	0.00059	1E-07	0.0008	2.47E-04	1.34E-05	0.000723	5.72E-08	9.84E-04	0.000218	1.03E-05	0.001557	5.91E-08	0.001785
3396	474363.09	3848877.25	0.11129	0.12635	0.10243	0.09578	2.03E-04	1.1E-05	0.00054	1E-07	0.00076	2.49E-04	1.32E-05	0.000665	5.72E-08	9.27E-04	0.000219	1.01E-05	0.001433	5.91E-08	0.001662
3397	474863.09	3848877.25	0.10648	0.11473	0.10415	0.09021	1.94E-04	9.8E-06	0.00055	9.6E-08	0.00076	2.38E-04	1.2E-05	0.000676	5.38E-08	9.26E-04	0.00021	9.2E-06	0.001457	5.56E-08	0.001676
3398	475363.09	3848877.25	0.10109	0.10564	0.09261	0.08422	1.84E-04	9E-06	0.00049	9E-08	0.00069	2.26E-04	1.1E-05	0.000602	5.03E-08	8.38E-04	0.000199	8.47E-06	0.001296	5.19E-08	0.001503
3399	475863.09	3848877.25	0.11178	0.11905	0.11959	0.09808	2.04E-04	1E-05	0.00064	1E-07	0.00085	2.50E-04	1.24E-05	0.000777	5.85E-08	1.04E-03	0.00022	9.55E-06	0.001673	6.05E-08	0.001903
3400	476363.09	3848877.25	0.11232	0.11744	0.11419	0.0818	2.05E-04	1E-05	0.00061	8.7E-08	0.00082	2.51E-04	1.22E-05	0.000742	4.88E-08	1.00E-03	0.000221	9.42E-06	0.001597	5.04E-08	0.001828
3401	476863.09	3848877.25	0.09309	0.0945	0.09522	0.06919	1.70E-04	8E-06	0.00051	7.4E-08	0.00068	2.08E-04	9.85E-06	0.000618	4.13E-08	8.36E-04	0.000183	7.58E-06	0.001332	4.27E-08	0.001523
3402	477363.09	3848877.25	0.09921	0.10336	0.08758	0.08502	1.81E-04	8.8E-06	0.00047	9.1E-08	0.00066	2.22E-04	1.08E-05	0.000569	5.07E-08	8.01E-04	0.000195	8.29E-06	0.001225	5.24E-08	0.001429
3403	477863.09	3848877.25	0.14482	0.16467	0.12385	0.07452	2.64E-04	1.4E-05	0.00066	7.9E-08	0.00094	3.23E-04	1.72E-05	0.000804	4.45E-08	1.15E-03	0.000285	1.32E-05	0.001733	4.59E-08	0.002031
3404	478363.09	3848877.25	0.16994	0.19937	0.17673	0.12032	3.10E-04	1.7E-05	0.00094	1.3E-07	0.00127	3.80E-04	2.08E-05	0.001148	7.18E-08	1.55E-03	0.000335	1.6E-05	0.002472	7.42E-08	0.002823
3405	478863.09	3848877.25	0.1758	0.18976	0.18141	0.12917	3.20E-04	1.6E-05	0.00096	1.4E-07	0.0013	3.93E-04	1.98E-05	0.001178	7.71E-08	1.59E-03	0.000346	1.52E-05	0.002538	7.96E-08	0.002899
3406	479363.09	3848877.25	0.12397	0.14079	0.14812	0.10628	2.26E-04	1.2E-05	0.00079	1.1E-07	0.00103	2.77E-04	1.47E-05	0.000962	6.34E-08	1.25E-03	0.000244	1.13E-05	0.002072	6.55E-08	0.002328
3407	479863.09	3848877.25	0.09655	0.12142	0.10841	0.07078	1.76E-04	1E-05	0.00058	7.6E-08	0.00076	2.16E-04	1.27E-05	0.000704	4.22E-08	9.33E-04	0.00019	9.74E-06	0.001517	4.36E-08	0.001716
3408	480363.09	3848877.25	0.079	0.08215	0.08987	0.05393	1.44E-04	7E-06	0.00048	5.8E-08	0.00063	1.76E-04	8.57E-06	0.000584	3.22E-08	7.69E-04	0.000156	6.59E-06	0.001257	3.33E-08	0.001419
3409	480863.09	3848877.25	0.08845	0.09667	0.10171	0.0527	1.61E-04	8.2E-06	0.00054	5.6E-08	0.00071	1.98E-04	1.01E-05	0.000661	3.15E-08	8.68E-04	0.000174	7.75E-06	0.001423	3.25E-08	0.001605
3410	481363.09	3848877.25	0.07955	0.0864	0.09436	0.04543	1.45E-04	7.4E-06	0.0005	4.8E-08	0.00065	1.78E-04	9.01E-06	0.000613	2.71E-08	8.00E-04	0.000157	6.93E-06	0.00132	2.8E-08	0.001484
3411	481863.09	3848877.25	0.0636	0.07234	0.07821	0.04175	1.16E-04	6.2E-06	0.00042	4.5E-08	0.00054	1.42E-04	7.54E-06	0.000508	2.49E-08	6.58E-04	0.000125	5.8E-06	0.001094	2.57E-08	0.001225
3412	482363.09	3848877.25	0.04655	0.06119	0.05653	0.03436	8.49E-05	5.2E-06	0.0003	3.7E-08	0.00039	1.04E-04	6.38E-06	0.000367	2.05E-08	4.78E-04	9.17E-05	4.91E-06	0.000791	2.12E-08	0.000887

3413	482863.09	3848877.25	0.03551	0.04498	0.04094	0.02772	6.47E-05	3.8E-06	0.00022	3E-08	0.00029	7.93E-05	4.69E-06	0.000266	1.65E-08	3.50E-04	6.99E-05	3.61E-06	0.000573	1.71E-08	0.000646
3414	483363.09	3848877.25	0.02722	0.03413	0.03098	0.02418	4.96E-05	2.9E-06	0.00016	2.6E-08	0.00022	6.08E-05	3.56E-06	0.000201	1.44E-08	2.66E-04	5.36E-05	2.74E-06	0.000433	1.49E-08	0.00049
3415	483863.09	3848877.25	0.02913	0.0297	0.03494	0.02198	5.31E-05	2.5E-06	0.00019	2.3E-08	0.00024	6.51E-05	3.1E-06	0.000227	1.31E-08	2.95E-04	5.74E-05	2.38E-06	0.000489	1.36E-08	0.000549
3416	484363.09	3848877.25	0.03338	0.04683	0.0377	0.02745	6.08E-05	4E-06	0.0002	2.9E-08	0.00027	7.46E-05	4.88E-06	0.000245	1.64E-08	3.24E-04	6.57E-05	3.76E-06	0.000527	1.69E-08	0.000597
3417	484863.09	3848877.25	0.03675	0.04856	0.04279	0.02966	6.70E-05	4.1E-06	0.00023	3.2E-08	0.0003	8.21E-05	5.06E-06	0.000278	1.77E-08	3.65E-04	7.24E-05	3.9E-06	0.000599	1.83E-08	0.000675
3418	485363.09	3848877.25	0.0352	0.04309	0.03989	0.02789	6.42E-05	3.7E-06	0.00021	3E-08	0.00028	7.86E-05	4.49E-06	0.000259	1.66E-08	3.42E-04	6.93E-05	3.46E-06	0.000558	1.72E-08	0.000631
3419	485863.09	3848877.25	0.03382	0.05226	0.03655	0.02617	6.16E-05	4.4E-06	0.00019	2.8E-08	0.00026	7.55E-05	5.45E-06	0.000237	1.56E-08	3.18E-04	6.66E-05	4.19E-06	0.000511	1.61E-08	0.000582
3420	486363.09	3848877.25	0.02892	0.04308	0.03281	0.02237	5.27E-05	3.7E-06	0.00017	2.4E-08	0.00023	6.46E-05	4.49E-06	0.000213	1.34E-08	2.82E-04	5.7E-05	3.46E-06	0.000459	1.38E-08	0.000519
3421	486863.09	3848877.25	0.02501	0.03137	0.02998	0.02047	4.56E-05	2.7E-06	0.00016	2.2E-08	0.00021	5.59E-05	3.27E-06	0.000195	1.22E-08	2.54E-04	4.93E-05	2.52E-06	0.000419	1.26E-08	0.000471
3422	487363.09	3848877.25	0.02398	0.03284	0.02786	0.01973	4.37E-05	2.8E-06	0.00015	2.1E-08	0.00019	5.36E-05	3.42E-06	0.000181	1.18E-08	2.38E-04	4.72E-05	2.63E-06	0.00039	1.22E-08	0.00044
3423	487863.09	3848877.25	0.02164	0.02547	0.02728	0.0192	3.94E-05	2.2E-06	0.00014	2E-08	0.00019	4.83E-05	2.66E-06	0.000177	1.15E-08	2.28E-04	4.26E-05	2.04E-06	0.000382	1.18E-08	0.000426
3424	488363.09	3848877.25	0.02033	0.03004	0.02176	0.0176	3.71E-05	2.6E-06	0.00012	1.9E-08	0.00016	4.54E-05	3.13E-06	0.000141	1.05E-08	1.90E-04	4E-05	2.41E-06	0.000304	1.09E-08	0.000347
3425	488863.09	3848877.25	0.02008	0.02774	0.02144	0.01758	3.66E-05	2.4E-06	0.00011	1.9E-08	0.00015	4.49E-05	2.89E-06	0.000139	1.05E-08	1.87E-04	3.95E-05	2.23E-06	0.0003	1.08E-08	0.000342
3426	489363.09	3848877.25	0.01936	0.03824	0.02144	0.016	3.53E-05	3.3E-06	0.00011	1.7E-08	0.00015	4.32E-05	3.99E-06	0.000139	9.55E-09	1.87E-04	3.81E-05	3.07E-06	0.0003	9.87E-09	0.000341
3427	489863.09	3848877.25	0.01881	0.03464	0.02097	0.01631	3.43E-05	2.9E-06	0.00011	1.7E-08	0.00015	4.20E-05	3.61E-06	0.000136	9.73E-09	1.82E-04	3.7E-05	2.78E-06	0.000293	1.01E-08	0.000333
3428	490363.09	3848877.25	0.01677	0.02986	0.01857	0.01645	3.06E-05	2.5E-06	9.9E-05	1.8E-08	0.00013	3.75E-05	3.11E-06	0.000121	9.82E-09	1.61E-04	3.3E-05	2.4E-06	0.00026	1.01E-08	0.000295
3429	490863.09	3848877.25	0.01581	0.02744	0.01685	0.01564	2.88E-05	2.3E-06	9E-05	1.7E-08	0.00012	3.53E-05	2.86E-06	0.000109	9.33E-09	1.48E-04	3.11E-05	2.2E-06	0.000236	9.64E-09	0.000269
3430	491363.09	3848877.25	0.01499	0.02392	0.01629	0.0142	2.73E-05	2E-06	8.7E-05	1.5E-08	0.00012	3.35E-05	2.49E-06	0.000106	8.48E-09	1.42E-04	2.95E-05	1.92E-06	0.000228	8.76E-09	0.000259
3431	491863.09	3848877.25	0.01394	0.02061	0.01547	0.01327	2.54E-05	1.8E-06	8.2E-05	1.4E-08	0.00011	3.11E-05	2.15E-06	0.0001	7.92E-09	1.34E-04	2.75E-05	1.65E-06	0.000216	8.18E-09	0.000246
3432	492363.09	3848877.25	0.01328	0.01829	0.01484	0.01219	2.42E-05	1.6E-06	7.9E-05	1.3E-08	0.0001	2.97E-05	1.91E-06	9.64E-05	7.28E-09	1.28E-04	2.62E-05	1.47E-06	0.000208	7.52E-09	0.000235
3433	492863.09	3848877.25	0.01222	0.01773	0.013	0.01212	2.23E-05	1.5E-06	6.9E-05	1.3E-08	9.3E-05	2.73E-05	1.85E-06	8.44E-05	7.23E-09	1.14E-04	2.41E-05	1.42E-06	0.000182	7.47E-09	0.000207
3434	493363.09	3848877.25	0.01198	0.01723	0.01242	0.01189	2.18E-05	1.5E-06	6.6E-05	1.3E-08	8.9E-05	2.68E-05	1.8E-06	8.07E-05	7.1E-09	1.09E-04	2.36E-05	1.38E-06	0.000174	7.33E-09	0.000199
3435	493863.09	3848877.25	0.01228	0.01889	0.01392	0.01212	2.24E-05	1.6E-06	7.4E-05	1.3E-08	9.8E-05	2.74E-05	1.97E-06	9.04E-05	7.23E-09	1.20E-04	2.42E-05	1.52E-06	0.000195	7.47E-09	0.00022
3436	494363.09	3848877.25	0.01268	0.01869	0.01444	0.01263	2.31E-05	1.6E-06	7.7E-05	1.3E-08	0.0001	2.83E-05	1.95E-06	9.38E-05	7.54E-09	1.24E-04	2.5E-05	1.5E-06	0.000202	7.79E-09	0.000228
3437	494863.09	3848877.25	0.01354	0.01876	0.01523	0.01345	2.47E-05	1.6E-06	8.1E-05	1.4E-08	0.00011	3.02E-05	1.96E-06	9.89E-05	8.03E-09	1.31E-04	2.67E-05	1.5E-06	0.000213	8.29E-09	0.000241
3438	495363.09	3848877.25	0.01416	0.01944	0.016	0.01356	2.58E-05	1.7E-06	8.5E-05	1.4E-08	0.00011	3.16E-05	2.03E-06	0.000104	8.09E-09	1.38E-04	2.79E-05	1.56E-06	0.000224	8.36E-09	0.000253
3439	495863.09	3848877.25	0.01341	0.01845	0.01472	0.0132	2.44E-05	1.6E-06	7.8E-05	1.4E-08	0.0001	3.00E-05	1.92E-06	9.56E-05	7.88E-09	1.27E-04	2.64E-05	1.48E-06	0.000206	8.14E-09	0.000234
3440	496363.09	3848877.25	0.0137	0.01836	0.01493	0.01373	2.50E-05	1.6E-06	7.9E-05	1.5E-08	0.00011	3.06E-05	1.91E-06	9.7E-05	8.19E-09	1.29E-04	2.7E-05	1.47E-06	0.000209	8.47E-09	0.000237
3441	496863.09	3848877.25	0.01585	0.02035	0.01672	0.01545	2.89E-05	1.7E-06	8.9E-05	1.6E-08	0.00012	3.54E-05	2.12E-06	0.000109	9.22E-09	1.46E-04	3.12E-05	1.63E-06	0.000234	9.53E-09	0.000267
3442	497363.09	3848877.25	0.02092	0.02789	0.02237	0.01841	3.81E-05	2.4E-06	0.00012	2E-08	0.00016	4.67E-05	2.91E-06	0.000145	1.1E-08	1.95E-04	4.12E-05	2.24E-06	0.000313	1.14E-08	0.000356
3443	497863.09	3848877.25	0.0239	0.03216	0.0258	0.01944	4.36E-05	2.7E-06	0.00014	2.1E-08	0.00018	5.34E-05	3.35E-06	0.000168	1.16E-08	2.24E-04	4.71E-05	2.58E-06	0.000361	1.2E-08	0.000411
3444	498363.09	3848877.25	0.02602	0.03375	0.02917	0.02087	4.74E-05	2.9E-06	0.00015	2.2E-08	0.00021	5.81E-05	3.52E-06	0.000189	1.25E-08	2.51E-04	5.12E-05	2.71E-06	0.000408	1.29E-08	0.000462
3445	471363.09	3849377.25	0.07428	0.08805	0.08321	0.07743	1.35E-04	7.5E-06	0.00044	8.3E-08	0.00059	1.66E-04	9.18E-06	0.00054	4.62E-08	7.16E-04	0.000146	7.06E-06	0.001164	4.77E-08	0.001317
3446	471863.09	3849377.25	0.09102	0.09978	0.09009	0.0861	1.66E-04	8.5E-06	0.00048	9.2E-08	0.00065	2.03E-04	1.04E-05	0.000585	5.14E-08	7.99E-04	0.000179	8E-06	0.00126	5.31E-08	0.001448
3447	472363.09	3849377.25	0.10048	0.11721	0.09391	0.10136	1.83E-04	1E-05	0.0005	1.1E-07	0.00069	2.24E-04	1.22E-05	0.00061	6.05E-08	8.47E-04	0.000198	9.4E-06	0.001314	6.25E-08	0.001521
3448	472863.09	3849377.25	0.10944	0.12533	0.10943	0.10706	1.99E-04	1.1E-05	0.00058	1.1E-07	0.00079	2.44E-04	1.31E-05	0.000711	6.39E-08	9.68E-04	0.000216	1.01E-05	0.001531	6.6E-08	0.001756
3449	473363.09	3849377.25	0.10526	0.11858	0.11243	0.1184	1.92E-04	1E-05	0.0006	1.3E-07	0.0008	2.35E-04	1.24E-05	0.00073	7.07E-08	9.78E-04	0.000207	9.51E-06	0.001573	7.3E-08	0.00179
3450	473863.09	3849377.25	0.12852	0.14279	0.12616	0.12582	2.34E-04	1.2E-05	0.00067	1.3E-07	0.00092	2.87E-04	1.49E-05	0.000819	7.51E-08	1.12E-03	0.000253	1.15E-05	0.001765	7.76E-08	0.002029
3451	474363.09	3849377.25	0.13795	0.15303	0.1382	0.12188	2.51E-04	1.3E-05	0.00073	1.3E-07	0.001	3.08E-04	1.6E-05	0.000898	7.27E-08	1.22E-03	0.000272	1.23E-05	0.001933	7.51E-08	0.002217
3452	474863.09	3849377.25	0.12222	0.1332	0.11434	0.10965	2.23E-04	1.1E-05	0.00061	1.2E-07	0.00084	2.73E-04	1.39E-05	0.000743	6.54E-08	1.03E-03	0.000241	1.07E-05	0.0016	6.76E-08	0.001851
3453	475363.09	3849377.25	0.1227	0.13573	0.11422	0.10737	2.24E-04	1.2E-05	0.00061	1.1E-07	0.00084	2.74E-04	1.42E-05	0.000742	6.41E-08	1.03E-03	0.000242	1.09E-05	0.001598	6.62E-08	0.00185
3454	475863.09	3849377.25	0.11086	0.12786	0.10719	0.09734	2.02E-04	1.1E-05	0.00057	1E-07	0.00078	2.48E-04	1.33E-05	0.000696	5.81E-08	9.57E-04	0.000218	1.03E-05	0.001499	6E-08	0.001728
3455	476363.09	3849377.25	0.11903	0.13283	0.11756	0.11475	2.17E-04	1.1E-05	0.00062	1.2E-07	0.00085	2.66E-04	1.39E-05	0.000764	6.85E-08	1.04E-03	0.000234	1.07E-05	0.001645	7.08E-08	0.00189
3456	476863.09	3849377.25	0.13941	0.15722	0.14444	0.11776	2.54E-04	1.3E-05	0.00077	1.3E-07	0.00104	3.11E-04	1.64E-05	0.000938	7.03E-08	1.27E-03	0.000275	1.26E-05	0.002021	7.26E-08	0.002308
3457	477363.09	3849377.25	0.1151	0.1136	0.10955	0.09112	2.10E-04	9.7E-06	0.00058	9.7E-08	0.0008	2.57E-04	1.18E-05	0.000712	5.44E-08	9.81E-04	0.000227	9.11E-06	0.001532	5.62E-08	0.001768
3458	477863.09	3849377.25	0.10758	0.11352	0.10821	0.08857	1.96E-04	9.7E-06	0.00057	9.4E-08	0.00078	2.40E-04	1.18E-05	0.000703	5.29E-08	9.55E-04	0.000212	9.11E-06	0.001514	5.46E-08	0.001735
3459	478363.09	3849377.25	0.16758	0.18528	0.13977	0.08177	3.05E-04	1.6E-05	0.00074	8.7E-08	0.00106	3.74E-04	1.93E-05	0.000908	4.88E-08	1.30E-03	0.00033	1.49E-05	0.001955	5.04E-08	0.0023
3460	478863.09	3849377.25	0.18754	0.22199	0.19546	0.12676	3.42E-04	1.9E-05	0.00104	1.4E-07	0.0014	4.19E-04	2.31E-05	0.00127	7.57E-08	1.71E-03	0.000369	1.78E-05	0.002734	7.82E-08	0.003122
3461	479363.09	3849377.25	0.18962	0.22388	0.20546	0.14516	3.46E-04	1.9E-05	0.00109	1.5E-07	0.00146	4.24E-04	2.33E-05	0.001335	8.66E-08	1.78E-03	0.000373	1.8E-05	0.002874	8.95E-08	0.003266
3462	479863.09	3849377.25	0.13664	0.15957	0.15158	0.11089	2.49E-04	1.4E-05	0.00081	1.2E-07	0.00107	3.05E-04	1.66E-05	0.000985	6.62E-08	1.31E-03	0.000269	1.28E-05	0.00212	6.84E-08	0.002402
3463	480363.09	3849377.25	0.13218	0.17904	0.14689	0.10126	2.41E-04	1.5E-05	0.00078	1.1E-07	0.00104	2.95E-04	1.87E-05	0.000954	6.04E-08	1.27E-03	0.00026	1.44E-05	0.002055	6.24E-08	0.00233
3464	480863.09	3849377.25	0.10653	0.12048	0.11063	0.07566	1.94E-04	1E-05	0.00059	8.1E-08	0.00079	2.38E-04	1.26E-05	0.000719	4.52E-08	9.69E-04	0.00021	9.66E-06	0.001548	4.66E-08	0.001767
3465	481363.09	3849377.25	0.09455	0.11989	0.10445	0.05562	1.72E-04	1E-05	0.00055	5.9E-08	0.00074	2.11E-04	1.25E-05	0.000678	3.32E-08	9.02E-04	0.000186	9.62E-06	0.001461	3.43E-08	0.001657
3466	481863.09	3849377.25	0.05964	0.06129	0.07205	0.04091	1.09E-04	5.2E-06	0.00038	4.4E-08	0.0005	1.33E-04	6.39E-06	0.000468	2.44E-08	6.08E-04	0.000117	4.92E-06	0.001008	2.52E-08	0.00113
3467	482363.09	3849377.25	0.04565	0.05541	0.056	0.03448	8.32E-05	4.7E-06	0.0003	3.7E-08	0.00039	1.02E-04	5.78E-06	0.000364	2.06E-08	4.72E-04	8.99E-05	4.44E-06	0.000783	2.13E-08	0.000878
3468	482863.09	3849377.25	0.03282	0.04022	0.04042	0.02978	5.98E-05	3.4E-06	0.00021	3.2E-08	0.00028	7.33E-05	4.19E-06	0.000263	1.78E-08	3.40E-04	6.46E-05	3.23E-06	0.000565	1.84E-08	0.000633
3469	483363.09	3849377.25	0.02826	0.0407	0.03263	0.02466	5.15E-05	3.5E-06	0.00017	2.6E-08	0.00023	6.31E-05	4.24E-06	0.000212	1.47E-08	2.79E-04	5.57E-05	3.26E-06	0.000456	1.52E-08	0.000515
3470	483863.09	3849377.25	0.02447	0.03008	0.02979	0.02143	4.46E-05	2.6E-06	0.00016	2.3E-08	0.00021	5.47E-05	3.14E-06	0.000193	1.28E-08	2.51E-04	4.82E-05	2.41E-06	0.000417	1.32E-08	0.000467
3471	484363.09	3849377.25	0.03727	0.04646	0.04555	0.02953	6.79E-05	4E-06	0.00024	3.2E-08	0.00031	8.33E-05	4.84E-06	0.000296	1.76E-08	3.84E-04	7.34E-05	3.73E-06	0.000637	1.82E-08	0.000714
3472	484863.09	3849377.25	0.04357	0.06333	0.05262	0.03451	7.94E-05	5.4E-06	0.00028	3.7E-08	0.00036	9.73E-05	6.6E-06	0.000342	2.06E-08	4.46E-04	8.58E-05	5.08E-06	0.000736	2.13E-08	0.000827
3473	485363.09	3849377.25	0.04221	0.05357	0.0523	0.03272	7.69E-05	4.6E-06	0.00028	3.5E-08	0.00036	9.43E-05	5.59E-06	0.00034	1.95E-08	4.40E-04	8.31E-05	4.3E-06	0.000732	2.02E-08	0.000819

3474	485863.09	3849377.25	0.03004	0.04554	0.03403	0.0264	5.48E-05	3.9E-06	0.00018	2.8E-08	0.00024	6.71E-05	4.75E-06	0.000221	1.58E-08	2.93E-04	5.92E-05	3.65E-06	0.000476	1.63E-08	0.000539
3475	486363.09	3849377.25	0.02384	0.03573	0.02649	0.02109	4.35E-05	3E-06	0.00014	2.2E-08	0.00019	5.33E-05	3.73E-06	0.000172	1.26E-08	2.29E-04	4.7E-05	2.87E-06	0.000371	1.3E-08	0.00042
3476	486863.09	3849377.25	0.02833	0.03486	0.03469	0.02358	5.16E-05	3E-06	0.00018	2.5E-08	0.00024	6.33E-05	3.64E-06	0.000225	1.41E-08	2.92E-04	5.58E-05	2.8E-06	0.000485	1.45E-08	0.000544
3477	487363.09	3849377.25	0.02725	0.04235	0.03345	0.02292	4.97E-05	3.6E-06	0.00018	2.4E-08	0.00023	6.09E-05	4.42E-06	0.000217	1.37E-08	2.83E-04	5.37E-05	3.4E-06	0.000468	1.41E-08	0.000525
3478	487863.09	3849377.25	0.02596	0.03596	0.03077	0.02287	4.73E-05	3.1E-06	0.00016	2.4E-08	0.00021	5.80E-05	3.75E-06	0.0002	1.36E-08	2.62E-04	5.11E-05	2.88E-06	0.00043	1.41E-08	0.000484
3479	488363.09	3849377.25	0.0251	0.03599	0.02771	0.02051	4.58E-05	3.1E-06	0.00015	2.2E-08	0.0002	5.61E-05	3.75E-06	0.00018	1.22E-08	2.40E-04	4.94E-05	2.89E-06	0.000388	1.26E-08	0.00044
3480	488863.09	3849377.25	0.02395	0.03986	0.02649	0.01975	4.37E-05	3.4E-06	0.00014	2.1E-08	0.00019	5.35E-05	4.16E-06	0.000172	1.18E-08	2.30E-04	4.72E-05	3.2E-06	0.000371	1.22E-08	0.000421
3481	489363.09	3849377.25	0.02282	0.04287	0.02636	0.01828	4.16E-05	3.6E-06	0.00014	2E-08	0.00019	5.10E-05	4.47E-06	0.000171	1.09E-08	2.27E-04	4.49E-05	3.44E-06	0.000369	1.13E-08	0.000417
3482	489863.09	3849377.25	0.02033	0.03718	0.02254	0.0194	3.71E-05	3.2E-06	0.00012	2.1E-08	0.00016	4.54E-05	3.88E-06	0.000146	1.16E-08	1.96E-04	4E-05	2.98E-06	0.000315	1.2E-08	0.000358
3483	490363.09	3849377.25	0.01913	0.03477	0.02025	0.01773	3.49E-05	3E-06	0.00011	1.9E-08	0.00015	4.27E-05	3.63E-06	0.000132	1.06E-08	1.78E-04	3.77E-05	2.79E-06	0.000283	1.09E-08	0.000324
3484	490863.09	3849377.25	0.01811	0.02869	0.0196	0.0168	3.30E-05	2.4E-06	0.0001	1.8E-08	0.00014	4.05E-05	2.99E-06	0.000127	1E-08	1.71E-04	3.57E-05	2.3E-06	0.000274	1.04E-08	0.000312
3485	491363.09	3849377.25	0.01686	0.02631	0.01856	0.01599	3.07E-05	2.2E-06	9.9E-05	1.7E-08	0.00013	3.77E-05	2.74E-06	0.000121	9.54E-09	1.61E-04	3.32E-05	2.11E-06	0.00026	9.86E-09	0.000295
3486	491863.09	3849377.25	0.01602	0.02362	0.01768	0.01424	2.92E-05	2E-06	9.4E-05	1.5E-08	0.00013	3.58E-05	2.46E-06	0.000115	8.5E-09	1.53E-04	3.16E-05	1.89E-06	0.000247	8.78E-09	0.000281
3487	492363.09	3849377.25	0.01553	0.02498	0.01696	0.01486	2.83E-05	2.1E-06	9E-05	1.6E-08	0.00012	3.47E-05	2.6E-06	0.00011	8.87E-09	1.47E-04	3.06E-05	2E-06	0.000237	9.16E-09	0.00027
3488	492863.09	3849377.25	0.01419	0.02168	0.01508	0.01346	2.59E-05	1.8E-06	8E-05	1.4E-08	0.00011	3.17E-05	2.26E-06	9.79E-05	8.03E-09	1.32E-04	2.79E-05	1.74E-06	0.000211	8.3E-09	0.000241
3489	493363.09	3849377.25	0.01388	0.02067	0.01563	0.01322	2.53E-05	1.8E-06	8.3E-05	1.4E-08	0.00011	3.10E-05	2.16E-06	0.000102	7.89E-09	1.35E-04	2.73E-05	1.66E-06	0.000219	8.15E-09	0.000248
3490	493863.09	3849377.25	0.01402	0.02045	0.01582	0.01348	2.56E-05	1.7E-06	8.4E-05	1.4E-08	0.00011	3.13E-05	2.13E-06	0.000103	8.05E-09	1.36E-04	2.76E-05	1.64E-06	0.000221	8.31E-09	0.000251
3491	494363.09	3849377.25	0.01516	0.02182	0.01658	0.01472	2.76E-05	1.9E-06	8.8E-05	1.6E-08	0.00012	3.39E-05	2.28E-06	0.000108	8.79E-09	1.44E-04	2.99E-05	1.75E-06	0.000232	9.08E-09	0.000264
3492	494863.09	3849377.25	0.01734	0.02382	0.01936	0.01617	3.16E-05	2E-06	0.0001	1.7E-08	0.00014	3.87E-05	2.48E-06	0.000126	9.65E-09	1.67E-04	3.42E-05	1.91E-06	0.000271	9.97E-09	0.000307
3493	495363.09	3849377.25	0.01839	0.02509	0.01957	0.01719	3.35E-05	2.1E-06	0.0001	1.8E-08	0.00014	4.11E-05	2.62E-06	0.000127	1.03E-08	1.71E-04	3.62E-05	2.01E-06	0.000274	1.06E-08	0.000312
3494	495863.09	3849377.25	0.01539	0.02032	0.01603	0.01443	2.81E-05	1.7E-06	8.5E-05	1.5E-08	0.00011	3.44E-05	2.12E-06	0.000104	8.61E-09	1.41E-04	3.03E-05	1.63E-06	0.000224	8.9E-09	0.000256
3495	496363.09	3849377.25	0.01557	0.01991	0.01631	0.0143	2.84E-05	1.7E-06	8.7E-05	1.5E-08	0.00012	3.48E-05	2.08E-06	0.000106	8.53E-09	1.43E-04	3.07E-05	1.6E-06	0.000228	8.82E-09	0.00026
3496	496863.09	3849377.25	0.02089	0.02856	0.02294	0.01807	3.81E-05	2.4E-06	0.00012	1.9E-08	0.00016	4.67E-05	2.98E-06	0.000149	1.08E-08	1.99E-04	4.11E-05	2.29E-06	0.000321	1.11E-08	0.000364
3497	497363.09	3849377.25	0.02298	0.02986	0.02669	0.01921	4.19E-05	2.5E-06	0.00014	2E-08	0.00019	5.13E-05	3.11E-06	0.000173	1.15E-08	2.28E-04	4.53E-05	2.4E-06	0.000373	1.18E-08	0.000421
3498	497863.09	3849377.25	0.03085	0.04253	0.03576	0.025	5.62E-05	3.6E-06	0.00019	2.7E-08	0.00025	6.89E-05	4.43E-06	0.000232	1.49E-08	3.06E-04	6.08E-05	3.41E-06	0.0005	1.54E-08	0.000564
3499	498363.09	3849377.25	0.03003	0.03964	0.03497	0.02534	5.47E-05	3.4E-06	0.00019	2.7E-08	0.00024	6.71E-05	4.13E-06	0.000227	1.51E-08	2.98E-04	5.91E-05	3.18E-06	0.000489	1.56E-08	0.000552
3500	471363.09	3849877.25	0.07389	0.08285	0.07796	0.05792	1.35E-04	7.1E-06	0.00041	6.2E-08	0.00056	1.65E-04	8.64E-06	0.000506	3.46E-08	6.80E-04	0.000146	6.65E-06	0.001091	3.57E-08	0.001243
3501	471863.09	3849877.25	0.07693	0.08783	0.07949	0.07635	1.40E-04	7.5E-06	0.00042	8.1E-08	0.00057	1.72E-04	9.16E-06	0.000516	4.56E-08	6.97E-04	0.000152	7.05E-06	0.001112	4.71E-08	0.001271
3502	472363.09	3849877.25	0.08495	0.09992	0.0909	0.08605	1.55E-04	8.5E-06	0.00048	9.2E-08	0.00065	1.90E-04	1.04E-05	0.00059	5.14E-08	7.91E-04	0.000167	8.02E-06	0.001272	5.31E-08	0.001447
3503	472863.09	3849877.25	0.10108	0.11274	0.10131	0.10013	1.84E-04	9.6E-06	0.00054	1.1E-07	0.00073	2.26E-04	1.18E-05	0.000658	5.98E-08	8.96E-04	0.000199	9.04E-06	0.001417	6.17E-08	0.001625
3504	473363.09	3849877.25	0.11294	0.1326	0.10687	0.1186	2.06E-04	1.1E-05	0.00057	1.3E-07	0.00079	2.52E-04	1.38E-05	0.000694	7.08E-08	9.60E-04	0.000222	1.06E-05	0.001495	7.31E-08	0.001728
3505	473863.09	3849877.25	0.1227	0.14206	0.12141	0.11842	2.24E-04	1.2E-05	0.00065	1.3E-07	0.00088	2.74E-04	1.48E-05	0.000789	7.07E-08	1.08E-03	0.000242	1.14E-05	0.001698	7.3E-08	0.001952
3506	474363.09	3849877.25	0.12005	0.1364	0.12989	0.13976	2.19E-04	1.2E-05	0.00069	1.5E-07	0.00092	2.68E-04	1.42E-05	0.000844	8.34E-08	1.13E-03	0.000236	1.09E-05	0.001817	8.62E-08	0.002064
3507	474863.09	3849877.25	0.13682	0.15724	0.14377	0.14185	2.49E-04	1.3E-05	0.00076	1.5E-07	0.00103	3.06E-04	1.64E-05	0.000934	8.47E-08	1.26E-03	0.000269	1.26E-05	0.002011	8.75E-08	0.002293
3508	475363.09	3849877.25	0.15712	0.17935	0.15394	0.12939	2.86E-04	1.5E-05	0.00082	1.4E-07	0.00112	3.51E-04	1.87E-05	0.001	7.72E-08	1.37E-03	0.000309	1.44E-05	0.002153	7.98E-08	0.002477
3509	475863.09	3849877.25	0.14331	0.15615	0.13196	0.11642	2.61E-04	1.3E-05	0.0007	1.2E-07	0.00098	3.20E-04	1.63E-05	0.000857	6.95E-08	1.19E-03	0.000282	1.25E-05	0.001846	7.18E-08	0.002141
3510	476363.09	3849877.25	0.12785	0.13796	0.13224	0.11877	2.33E-04	1.2E-05	0.0007	1.3E-07	0.00095	2.86E-04	1.44E-05	0.000859	7.09E-08	1.16E-03	0.000252	1.11E-05	0.00185	7.32E-08	0.002113
3511	476863.09	3849877.25	0.13539	0.14375	0.13306	0.12803	2.47E-04	1.2E-05	0.00071	1.4E-07	0.00097	3.02E-04	1.5E-05	0.000864	7.64E-08	1.18E-03	0.000267	1.15E-05	0.001861	7.89E-08	0.00214
3512	477363.09	3849877.25	0.14152	0.15167	0.13913	0.13557	2.58E-04	1.3E-05	0.00074	1.4E-07	0.00101	3.16E-04	1.58E-05	0.000904	8.09E-08	1.24E-03	0.000279	1.22E-05	0.001946	8.36E-08	0.002237
3513	477863.09	3849877.25	0.14207	0.14889	0.13688	0.10799	2.59E-04	1.3E-05	0.00073	1.2E-07	0.001	3.17E-04	1.55E-05	0.000889	6.45E-08	1.22E-03	0.00028	1.19E-05	0.001915	6.66E-08	0.002207
3514	478363.09	3849877.25	0.13455	0.14001	0.13252	0.10681	2.45E-04	1.2E-05	0.0007	1.1E-07	0.00096	3.01E-04	1.46E-05	0.000861	6.37E-08	1.18E-03	0.000265	1.12E-05	0.001854	6.59E-08	0.00213
3515	478863.09	3849877.25	0.19356	0.21816	0.16621	0.1084	3.53E-04	1.9E-05	0.00088	1.2E-07	0.00125	4.32E-04	2.27E-05	0.00108	6.47E-08	1.53E-03	0.000381	1.75E-05	0.002325	6.68E-08	0.002724
3516	479363.09	3849877.25	0.21752	0.2501	0.22208	0.15157	3.97E-04	2.1E-05	0.00118	1.6E-07	0.0016	4.86E-04	2.61E-05	0.001442	9.05E-08	1.95E-03	0.000428	2.01E-05	0.003107	9.35E-08	0.003555
3517	479863.09	3849877.25	0.22442	0.27613	0.23944	0.17315	4.09E-04	2.3E-05	0.00127	1.8E-07	0.0017	5.01E-04	2.88E-05	0.001555	1.03E-07	2.09E-03	0.000442	2.22E-05	0.00335	1.07E-07	0.003814
3518	480363.09	3849877.25	0.18211	0.2078	0.17776	0.14065	3.32E-04	1.8E-05	0.00094	1.5E-07	0.00129	4.07E-04	2.17E-05	0.001155	8.39E-08	1.58E-03	0.000359	1.67E-05	0.002487	8.67E-08	0.002862
3519	480863.09	3849877.25	0.13071	0.17056	0.14687	0.08972	2.38E-04	1.5E-05	0.00078	9.6E-08	0.00103	2.92E-04	1.78E-05	0.000954	5.35E-08	1.26E-03	0.000257	1.37E-05	0.002055	5.53E-08	0.002326
3520	481363.09	3849877.25	0.11096	0.11954	0.12486	0.07051	2.02E-04	1E-05	0.00066	7.5E-08	0.00088	2.48E-04	1.25E-05	0.000811	4.21E-08	1.07E-03	0.000219	9.59E-06	0.001747	4.35E-08	0.001975
3521	481863.09	3849877.25	0.06184	0.08229	0.0734	0.04282	1.13E-04	7E-06	0.00039	4.6E-08	0.00051	1.38E-04	8.58E-06	0.000477	2.56E-08	6.23E-04	0.000122	6.6E-06	0.001027	2.64E-08	0.001155
3522	482363.09	3849877.25	0.04485	0.05116	0.05415	0.03548	8.18E-05	4.4E-06	0.00029	3.8E-08	0.00037	1.00E-04	5.33E-06	0.000352	2.12E-08	4.57E-04	8.83E-05	4.1E-06	0.000758	2.19E-08	0.00085
3523	482863.09	3849877.25	0.03681	0.04175	0.04349	0.03235	6.71E-05	3.6E-06	0.00023	3.5E-08	0.0003	8.22E-05	4.35E-06	0.000282	1.93E-08	3.69E-04	7.25E-05	3.35E-06	0.000608	1.99E-08	0.000684
3524	483363.09	3849877.25	0.02864	0.03473	0.03225	0.02699	5.22E-05	3E-06	0.00017	2.9E-08	0.00023	6.40E-05	3.62E-06	0.000209	1.61E-08	2.77E-04	5.64E-05	2.79E-06	0.000451	1.66E-08	0.00051
3525	483863.09	3849877.25	0.02928	0.0365	0.03375	0.02444	5.34E-05	3.1E-06	0.00018	2.6E-08	0.00024	6.54E-05	3.81E-06	0.000219	1.46E-08	2.88E-04	5.77E-05	2.93E-06	0.000472	1.51E-08	0.000533
3526	484363.09	3849877.25	0.0427	0.05157	0.04969	0.03212	7.78E-05	4.4E-06	0.00026	3.4E-08	0.00035	9.54E-05	5.38E-06	0.000323	1.92E-08	4.24E-04	8.41E-05	4.14E-06	0.000695	1.98E-08	0.000783
3527	484863.09	3849877.25	0.05544	0.0841	0.06663	0.04092	1.01E-04	7.2E-06	0.00035	4.4E-08	0.00046	1.24E-04	8.77E-06	0.000433	2.44E-08	5.65E-04	0.000109	6.75E-06	0.000932	2.52E-08	0.001048
3528	485363.09	3849877.25	0.04747	0.06167	0.06044	0.03578	8.65E-05	5.2E-06	0.00032	3.8E-08	0.00041	1.06E-04	6.43E-06	0.000393	2.14E-08	5.05E-04	9.35E-05	4.95E-06	0.000845	2.21E-08	0.000944
3529	485863.09	3849877.25	0.0386	0.06425	0.04385	0.03118	7.04E-05	5.5E-06	0.00023	3.3E-08	0.00031	8.62E-05	6.7E-06	0.000285	1.86E-08	3.78E-04	7.6E-05	5.15E-06	0.000613	1.92E-08	0.000695
3530	486363.09	3849877.25	0.03248	0.05057	0.03895	0.02674	5.92E-05	4.3E-06	0.00021	2.9E-08	0.00027	7.26E-05	5.27E-06	0.000253	1.6E-08	3.31E-04	6.4E-05	4.06E-06	0.000545	1.65E-08	0.000613
3531	486863.09	3849877.25	0.03592	0.04716	0.04433	0.02943	6.55E-05	4E-06	0.00024	3.1E-08	0.00031	8.02E-05	4.92E-06	0.000288	1.76E-08	3.73E-04	7.07E-05	3.78E-06	0.00062	1.81E-08	0.000695
3532	487363.09	3849877.25	0.0331	0.04859	0.03995	0.02651	6.03E-05	4.1E-06	0.00021	2.8E-08	0.00028	7.39E-05	5.07E-06	0.000259	1.58E-08	3.39E-04	6.52E-05	3.9E-06	0.000559	1.63E-08	0.000628
3533	487863.09	3849877.25	0.03328	0.05052	0.03495	0.02594	6.07E-05	4.3E-06	0.00019	2.8E-08	0.00025	7.43E-05	5.27E-06	0.000227	1.55E-08	3.07E-04	6.55E-05	4.05E-06	0.000489	1.6E-08	0.000559
3534	488363.09	3849877.25	0.03097	0.04604	0.03381	0.02298	5.65E-05	3.9E-06	0.00018	2.5E-08	0.00024	6.92E-05	4.8E-06	0.00022	1.37E-08	2.94E-04	6.1E-05	3.69E-06	0.000473	1.42E-08	0.000538

3535	488863.09	3849877.25	0.03028	0.05064	0.03324	0.02241	5.52E-05	4.3E-06	0.00018	2.4E-08	0.00024	6.76E-05	5.28E-06	0.000216	1.34E-08	2.89E-04	5.96E-05	4.06E-06	0.000465	1.38E-08	0.000529
3536	489363.09	3849877.25	0.02633	0.04728	0.03009	0.02227	4.80E-05	4E-06	0.00016	2.4E-08	0.00021	5.88E-05	4.93E-06	0.000195	1.33E-08	2.59E-04	5.19E-05	3.79E-06	0.000421	1.37E-08	0.000477
3537	489863.09	3849877.25	0.02472	0.04464	0.02528	0.02079	4.51E-05	3.8E-06	0.00013	2.2E-08	0.00018	5.52E-05	4.65E-06	0.000164	1.24E-08	2.24E-04	4.87E-05	3.58E-06	0.000354	1.28E-08	0.000406
3538	490363.09	3849877.25	0.02297	0.03591	0.0245	0.01967	4.19E-05	3.1E-06	0.00013	2.1E-08	0.00018	5.13E-05	3.74E-06	0.000159	1.17E-08	2.14E-04	4.52E-05	2.88E-06	0.000343	1.21E-08	0.000391
3539	490863.09	3849877.25	0.02191	0.03262	0.02243	0.01783	3.99E-05	2.8E-06	0.00012	1.9E-08	0.00016	4.89E-05	3.4E-06	0.000146	1.06E-08	1.98E-04	4.32E-05	2.62E-06	0.000314	1.1E-08	0.00036
3540	491363.09	3849877.25	0.02062	0.03359	0.02261	0.01743	3.76E-05	2.9E-06	0.00012	1.9E-08	0.00016	4.61E-05	3.5E-06	0.000147	1.04E-08	1.96E-04	4.06E-05	2.69E-06	0.000316	1.07E-08	0.00036
3541	491863.09	3849877.25	0.02055	0.03157	0.02188	0.01656	3.75E-05	2.7E-06	0.00012	1.8E-08	0.00016	4.59E-05	3.29E-06	0.000142	9.88E-09	1.91E-04	4.05E-05	2.53E-06	0.000306	1.02E-08	0.000349
3542	492363.09	3849877.25	0.01983	0.02966	0.02082	0.01618	3.61E-05	2.5E-06	0.00011	1.7E-08	0.00015	4.43E-05	3.09E-06	0.000135	9.66E-09	1.83E-04	3.91E-05	2.38E-06	0.000291	9.98E-09	0.000333
3543	492863.09	3849877.25	0.01839	0.02627	0.02013	0.01519	3.35E-05	2.2E-06	0.00011	1.6E-08	0.00014	4.11E-05	2.74E-06	0.000131	9.07E-09	1.75E-04	3.62E-05	2.11E-06	0.000282	9.37E-09	0.00032
3544	493363.09	3849877.25	0.01677	0.02467	0.01857	0.01533	3.06E-05	2.1E-06	9.9E-05	1.6E-08	0.00013	3.75E-05	2.57E-06	0.000121	9.15E-09	1.61E-04	3.3E-05	1.98E-06	0.00026	9.45E-09	0.000295
3545	493863.09	3849877.25	0.01624	0.02359	0.01792	0.0156	2.96E-05	2E-06	9.5E-05	1.7E-08	0.00013	3.63E-05	2.46E-06	0.000116	9.31E-09	1.55E-04	3.2E-05	1.89E-06	0.000251	9.62E-09	0.000285
3546	494363.09	3849877.25	0.01993	0.02842	0.02155	0.01827	3.63E-05	2.4E-06	0.00011	1.9E-08	0.00015	4.45E-05	2.96E-06	0.00014	1.09E-08	1.87E-04	3.93E-05	2.28E-06	0.000301	1.13E-08	0.000343
3547	494863.09	3849877.25	0.02294	0.03298	0.02486	0.0202	4.18E-05	2.8E-06	0.00013	2.2E-08	0.00018	5.12E-05	3.44E-06	0.000161	1.21E-08	2.16E-04	4.52E-05	2.65E-06	0.000348	1.25E-08	0.000396
3548	495363.09	3849877.25	0.02063	0.02829	0.02179	0.01871	3.76E-05	2.4E-06	0.00012	2E-08	0.00016	4.61E-05	2.95E-06	0.000142	1.12E-08	1.91E-04	4.06E-05	2.27E-06	0.000305	1.15E-08	0.000348
3549	495863.09	3849877.25	0.02431	0.03386	0.02692	0.02075	4.43E-05	2.9E-06	0.00014	2.2E-08	0.00019	5.43E-05	3.53E-06	0.000175	1.24E-08	2.33E-04	4.79E-05	2.72E-06	0.000377	1.28E-08	0.000427
3550	496363.09	3849877.25	0.02593	0.03295	0.02969	0.02091	4.73E-05	2.8E-06	0.00016	2.2E-08	0.00021	5.79E-05	3.44E-06	0.000193	1.25E-08	2.54E-04	5.11E-05	2.64E-06	0.000415	1.29E-08	0.000469
3551	496863.09	3849877.25	0.02722	0.03544	0.03137	0.02257	4.96E-05	3E-06	0.00017	2.4E-08	0.00022	6.08E-05	3.7E-06	0.000204	1.35E-08	2.68E-04	5.36E-05	2.84E-06	0.000439	1.39E-08	0.000495
3552	497363.09	3849877.25	0.0326	0.04338	0.03848	0.02734	5.94E-05	3.7E-06	0.0002	2.9E-08	0.00027	7.28E-05	4.52E-06	0.00025	1.63E-08	3.27E-04	6.42E-05	3.48E-06	0.000538	1.69E-08	0.000606
3553	497863.09	3849877.25	0.03448	0.04551	0.04109	0.02982	6.29E-05	3.9E-06	0.00022	3.2E-08	0.00029	7.70E-05	4.75E-06	0.000267	1.78E-08	3.49E-04	6.79E-05	3.65E-06	0.000575	1.84E-08	0.000646
3554	498363.09	3849877.25	0.03225	0.04482	0.03888	0.02899	5.88E-05	3.8E-06	0.00021	3.1E-08	0.00027	7.20E-05	4.67E-06	0.000253	1.73E-08	3.29E-04	6.35E-05	3.6E-06	0.000544	1.79E-08	0.000611
3555	471363.09	3850377.25	0.06218	0.071	0.06722	0.04594	1.13E-04	6E-06	0.00036	4.9E-08	0.00048	1.39E-04	7.4E-06	0.000437	2.74E-08	5.83E-04	0.000122	5.7E-06	0.00094	2.83E-08	0.001069
3556	471863.09	3850377.25	0.07821	0.09027	0.07905	0.06729	1.43E-04	7.7E-06	0.00042	7.2E-08	0.00057	1.75E-04	9.41E-06	0.000513	4.02E-08	6.98E-04	0.000154	7.24E-06	0.001106	4.15E-08	0.001267
3557	472363.09	3850377.25	0.08395	0.09349	0.09231	0.06899	1.53E-04	8E-06	0.00049	7.4E-08	0.00065	1.88E-04	9.75E-06	0.0006	4.12E-08	7.97E-04	0.000165	7.5E-06	0.001291	4.25E-08	0.001464
3558	472863.09	3850377.25	0.09006	0.10171	0.09426	0.08337	1.64E-04	8.7E-06	0.0005	8.9E-08	0.00067	2.01E-04	1.06E-05	0.000612	4.98E-08	8.24E-04	0.000177	8.16E-06	0.001319	5.14E-08	0.001504
3559	473363.09	3850377.25	0.09565	0.1076	0.09993	0.0937	1.74E-04	9.2E-06	0.00053	1E-07	0.00071	2.14E-04	1.12E-05	0.000649	5.59E-08	8.74E-04	0.000188	8.63E-06	0.001398	5.78E-08	0.001595
3560	473863.09	3850377.25	0.11286	0.12638	0.11465	0.11414	2.06E-04	1.1E-05	0.00061	1.2E-07	0.00083	2.52E-04	1.32E-05	0.000745	6.81E-08	1.01E-03	0.000222	1.01E-05	0.001604	7.04E-08	0.001836
3561	474363.09	3850377.25	0.1283	0.14767	0.12807	0.1359	2.34E-04	1.3E-05	0.00068	1.4E-07	0.00093	2.87E-04	1.54E-05	0.000832	8.11E-08	1.13E-03	0.000253	1.18E-05	0.001792	8.38E-08	0.002056
3562	474863.09	3850377.25	0.13814	0.16218	0.13645	0.13239	2.52E-04	1.4E-05	0.00072	1.4E-07	0.00099	3.09E-04	1.69E-05	0.000886	7.9E-08	1.21E-03	0.000272	1.3E-05	0.001909	8.16E-08	0.002194
3563	475363.09	3850377.25	0.14266	0.15993	0.14634	0.1537	2.60E-04	1.4E-05	0.00078	1.6E-07	0.00105	3.19E-04	1.67E-05	0.000951	9.17E-08	1.29E-03	0.000281	1.28E-05	0.002047	9.48E-08	0.002341
3564	475863.09	3850377.25	0.16782	0.19287	0.15881	0.17227	3.06E-04	1.6E-05	0.00084	1.8E-07	0.00117	3.75E-04	2.01E-05	0.001032	1.03E-07	1.43E-03	0.000331	1.55E-05	0.002222	1.06E-07	0.002568
3565	476363.09	3850377.25	0.16647	0.19046	0.15571	0.13808	3.03E-04	1.6E-05	0.00083	1.5E-07	0.00115	3.72E-04	1.99E-05	0.001011	8.24E-08	1.40E-03	0.000328	1.53E-05	0.002178	8.51E-08	0.002521
3566	476863.09	3850377.25	0.16147	0.17966	0.1544	0.14145	2.94E-04	1.5E-05	0.00082	1.5E-07	0.00113	3.61E-04	1.87E-05	0.001003	8.44E-08	1.38E-03	0.000318	1.44E-05	0.00216	8.72E-08	0.002492
3567	477363.09	3850377.25	0.14641	0.15536	0.1387	0.13078	2.67E-04	1.3E-05	0.00074	1.4E-07	0.00102	3.27E-04	1.62E-05	0.000901	7.81E-08	1.24E-03	0.000288	1.25E-05	0.00194	8.06E-08	0.002241
3568	477863.09	3850377.25	0.15414	0.17071	0.14822	0.15459	2.81E-04	1.5E-05	0.00079	1.6E-07	0.00108	3.44E-04	1.78E-05	0.000963	9.23E-08	1.32E-03	0.000304	1.37E-05	0.002073	9.53E-08	0.002391
3569	478363.09	3850377.25	0.15964	0.17388	0.17201	0.13655	2.91E-04	1.5E-05	0.00091	1.5E-07	0.00122	3.57E-04	1.81E-05	0.001117	8.15E-08	1.49E-03	0.000314	1.39E-05	0.002406	8.42E-08	0.002735
3570	478863.09	3850377.25	0.15949	0.18007	0.15508	0.12986	2.91E-04	1.5E-05	0.00082	1.4E-07	0.00113	3.56E-04	1.88E-05	0.001007	7.75E-08	1.38E-03	0.000314	1.44E-05	0.002169	8.01E-08	0.002498
3571	479363.09	3850377.25	0.20856	0.22805	0.183	0.1338	3.80E-04	1.9E-05	0.00097	1.4E-07	0.00137	4.66E-04	2.38E-05	0.001189	7.99E-08	1.68E-03	0.000411	1.83E-05	0.00256	8.25E-08	0.002989
3572	479863.09	3850377.25	0.24821	0.30186	0.26208	0.18933	4.52E-04	2.6E-05	0.00139	2E-07	0.00187	5.54E-04	3.15E-05	0.001702	1.13E-07	2.29E-03	0.000489	2.42E-05	0.003666	1.17E-07	0.004179
3573	480363.09	3850377.25	0.2566	0.30224	0.26973	0.20226	4.68E-04	2.6E-05	0.00143	2.2E-07	0.00193	5.73E-04	3.15E-05	0.001752	1.21E-07	2.36E-03	0.000505	2.42E-05	0.003773	1.25E-07	0.004303
3574	480863.09	3850377.25	0.22292	0.24638	0.23444	0.17142	4.06E-04	2.1E-05	0.00125	1.8E-07	0.00167	4.98E-04	2.57E-05	0.001523	1.02E-07	2.05E-03	0.000439	1.98E-05	0.00328	1.06E-07	0.003738
3575	481363.09	3850377.25	0.13742	0.17651	0.15111	0.08966	2.50E-04	1.5E-05	0.0008	9.6E-08	0.00107	3.07E-04	1.84E-05	0.000982	5.35E-08	1.31E-03	0.000271	1.42E-05	0.002114	5.53E-08	0.002399
3576	481863.09	3850377.25	0.12829	0.16234	0.16052	0.07347	2.34E-04	1.4E-05	0.00085	7.8E-08	0.0011	2.87E-04	1.69E-05	0.001043	4.39E-08	1.35E-03	0.000253	1.3E-05	0.002246	4.53E-08	0.002511
3577	482363.09	3850377.25	0.11085	0.12514	0.14541	0.06373	2.02E-04	1.1E-05	0.00077	6.8E-08	0.00099	2.48E-04	1.3E-05	0.000944	3.8E-08	1.21E-03	0.000218	1E-05	0.002034	3.93E-08	0.002263
3578	482863.09	3850377.25	0.0594	0.08179	0.0739	0.04349	1.08E-04	7E-06	0.00039	4.6E-08	0.00051	1.33E-04	8.53E-06	0.00048	2.6E-08	6.21E-04	0.000117	6.56E-06	0.001034	2.68E-08	0.001157
3579	483363.09	3850377.25	0.0429	0.05484	0.05219	0.03523	7.82E-05	4.7E-06	0.00028	3.8E-08	0.00036	9.58E-05	5.72E-06	0.000339	2.1E-08	4.41E-04	8.45E-05	4.4E-06	0.00073	2.17E-08	0.000819
3580	483863.09	3850377.25	0.04532	0.06462	0.05489	0.03388	8.26E-05	5.5E-06	0.00029	3.6E-08	0.00038	1.01E-04	6.74E-06	0.000357	2.02E-08	4.65E-04	8.93E-05	5.18E-06	0.000768	2.09E-08	0.000862
3581	484363.09	3850377.25	0.05696	0.07785	0.07021	0.03932	1.04E-04	6.6E-06	0.00037	4.2E-08	0.00048	1.27E-04	8.12E-06	0.000456	2.35E-08	5.91E-04	0.000112	6.24E-06	0.000982	2.42E-08	0.001101
3582	484863.09	3850377.25	0.06882	0.09675	0.08009	0.04716	1.25E-04	8.2E-06	0.00043	5E-08	0.00056	1.54E-04	1.01E-05	0.00052	2.81E-08	6.84E-04	0.000136	7.76E-06	0.00112	2.91E-08	0.001264
3583	485363.09	3850377.25	0.06169	0.09157	0.07659	0.04547	1.12E-04	7.8E-06	0.00041	4.9E-08	0.00053	1.38E-04	9.55E-06	0.000497	2.71E-08	6.45E-04	0.000121	7.35E-06	0.001071	2.8E-08	0.0012
3584	485863.09	3850377.25	0.0549	0.08435	0.06139	0.03926	1.00E-04	7.2E-06	0.00033	4.2E-08	0.00043	1.23E-04	8.8E-06	0.000399	2.34E-08	5.30E-04	0.000108	6.77E-06	0.000859	2.42E-08	0.000974
3585	486363.09	3850377.25	0.04977	0.07201	0.05917	0.03556	9.07E-05	6.1E-06	0.00031	3.8E-08	0.00041	1.11E-04	7.51E-06	0.000384	2.12E-08	5.03E-04	9.8E-05	5.78E-06	0.000828	2.19E-08	0.000932
3586	486863.09	3850377.25	0.04495	0.06677	0.0543	0.03412	8.19E-05	5.7E-06	0.00029	3.6E-08	0.00038	1.00E-04	6.96E-06	0.000353	2.04E-08	4.60E-04	8.85E-05	5.36E-06	0.00076	2.1E-08	0.000854
3587	487363.09	3850377.25	0.03999	0.06854	0.04396	0.03084	7.29E-05	5.8E-06	0.00023	3.3E-08	0.00031	8.93E-05	7.15E-06	0.000286	1.84E-08	3.82E-04	7.88E-05	5.5E-06	0.000615	1.9E-08	0.000699
3588	487863.09	3850377.25	0.03934	0.06552	0.04348	0.02907	7.17E-05	5.6E-06	0.00023	3.1E-08	0.00031	8.79E-05	6.83E-06	0.000282	1.74E-08	3.77E-04	7.75E-05	5.26E-06	0.000608	1.79E-08	0.000691
3589	488363.09	3850377.25	0.03779	0.06191	0.04181	0.02679	6.89E-05	5.3E-06	0.00022	2.9E-08	0.0003	8.44E-05	6.46E-06	0.000272	1.6E-08	3.62E-04	7.44E-05	4.97E-06	0.000585	1.65E-08	0.000664
3590	488863.09	3850377.25	0.03474	0.06016	0.03943	0.02605	6.33E-05	5.1E-06	0.00021	2.8E-08	0.00028	7.76E-05	6.27E-06	0.000256	1.55E-08	3.40E-04	6.84E-05	4.83E-06	0.000552	1.61E-08	0.000625
3591	489363.09	3850377.25	0.03145	0.05675	0.03363	0.02528	5.73E-05	4.8E-06	0.00018	2.7E-08	0.00024	7.03E-05	5.92E-06	0.000218	1.51E-08	2.95E-04	6.19E-05	4.55E-06	0.00047	1.56E-08	0.000537
3592	489863.09	3850377.25	0.02907	0.04962	0.03155	0.02319	5.30E-05	4.2E-06	0.00017	2.5E-08	0.00022	6.49E-05	5.17E-06	0.000205	1.38E-08	2.75E-04	5.73E-05	3.98E-06	0.000441	1.43E-08	0.000503
3593	490363.09	3850377.25	0.02802	0.04204	0.02883	0.02133	5.11E-05	3.6E-06	0.00015	2.3E-08	0.00021	6.26E-05	4.38E-06	0.000187	1.27E-08	2.54E-04	5.52E-05	3.37E-06	0.000403	1.32E-08	0.000462
3594	490863.09	3850377.25	0.02696	0.04571	0.02793	0.02028	4.91E-05	3.9E-06	0.00015	2.2E-08	0.0002	6.02E-05	4.77E-06	0.000181	1.21E-08	2.46E-04	5.31E-05	3.67E-06	0.000391	1.25E-08	0.000447
3595	491363.09	3850377.25	0.02772	0.04218	0.02731	0.01939	5.05E-05	3.6E-06	0.00015	2.1E-08	0.0002	6.19E-05	4.4E-06	0.000177	1.16E-08	2.44E-04	5.46E-05	3.38E-06	0.000382	1.2E-08	0.00044

3596	491863.09	3850377.25	0.02643	0.03842	0.02826	0.01953	4.82E-05	3.3E-06	0.00015	2.1E-08	0.0002	5.90E-05	4.01E-06	0.000184	1.17E-08	2.47E-04	5.21E-05	3.08E-06	0.000395	1.2E-08	0.00045
3597	492363.09	3850377.25	0.02348	0.03456	0.02485	0.01979	4.28E-05	2.9E-06	0.00013	2.1E-08	0.00018	5.24E-05	3.6E-06	0.000161	1.18E-08	2.17E-04	4.62E-05	2.77E-06	0.000348	1.22E-08	0.000397
3598	492863.09	3850377.25	0.02245	0.03321	0.02329	0.01898	4.09E-05	2.8E-06	0.00012	2E-08	0.00017	5.01E-05	3.46E-06	0.000151	1.13E-08	2.05E-04	4.42E-05	2.66E-06	0.000326	1.17E-08	0.000373
3599	493363.09	3850377.25	0.02115	0.03026	0.02277	0.01896	3.86E-05	2.6E-06	0.00012	2E-08	0.00016	4.72E-05	3.16E-06	0.000148	1.13E-08	1.98E-04	4.17E-05	2.43E-06	0.000319	1.17E-08	0.000363
3600	493863.09	3850377.25	0.02332	0.03319	0.02465	0.02012	4.25E-05	2.8E-06	0.00013	2.1E-08	0.00018	5.21E-05	3.46E-06	0.00016	1.2E-08	2.16E-04	4.59E-05	2.66E-06	0.000345	1.24E-08	0.000393
3601	494363.09	3850377.25	0.02518	0.03714	0.02679	0.0212	4.59E-05	3.2E-06	0.00014	2.3E-08	0.00019	5.62E-05	3.87E-06	0.000174	1.27E-08	2.34E-04	4.96E-05	2.98E-06	0.000375	1.31E-08	0.000427
3602	494863.09	3850377.25	0.02861	0.04089	0.0312	0.02295	5.22E-05	3.5E-06	0.00017	2.4E-08	0.00022	6.39E-05	4.26E-06	0.000203	1.37E-08	2.71E-04	5.63E-05	3.28E-06	0.000436	1.42E-08	0.000496
3603	495363.09	3850377.25	0.03335	0.04499	0.03717	0.02486	6.08E-05	3.8E-06	0.0002	2.7E-08	0.00026	7.45E-05	4.69E-06	0.000241	1.48E-08	3.21E-04	6.57E-05	3.61E-06	0.00052	1.53E-08	0.000589
3604	495863.09	3850377.25	0.0315	0.04063	0.03593	0.02534	5.74E-05	3.5E-06	0.00019	2.7E-08	0.00025	7.04E-05	4.24E-06	0.000233	1.51E-08	3.08E-04	6.2E-05	3.26E-06	0.000503	1.56E-08	0.000568
3605	496363.09	3850377.25	0.03443	0.04571	0.0404	0.02897	6.28E-05	3.9E-06	0.00021	3.1E-08	0.00028	7.69E-05	4.77E-06	0.000262	1.73E-08	3.44E-04	6.78E-05	3.67E-06	0.000565	1.79E-08	0.000637
3606	496863.09	3850377.25	0.03791	0.05088	0.04504	0.03199	6.91E-05	4.3E-06	0.00024	3.4E-08	0.00031	8.47E-05	5.31E-06	0.000293	1.91E-08	3.83E-04	7.47E-05	4.08E-06	0.00063	1.97E-08	0.000709
3607	497363.09	3850377.25	0.03936	0.05519	0.04638	0.03423	7.17E-05	4.7E-06	0.00025	3.7E-08	0.00032	8.79E-05	5.76E-06	0.000301	2.04E-08	3.95E-04	7.75E-05	4.43E-06	0.000649	2.11E-08	0.000731
3608	497863.09	3850377.25	0.03908	0.05176	0.04509	0.03421	7.12E-05	4.4E-06	0.00024	3.6E-08	0.00032	8.73E-05	5.4E-06	0.000293	2.04E-08	3.86E-04	7.7E-05	4.15E-06	0.000631	2.11E-08	0.000712
3609	498363.09	3850377.25	0.03888	0.05404	0.04397	0.03394	7.09E-05	4.6E-06	0.00023	3.6E-08	0.00031	8.68E-05	5.64E-06	0.000286	2.03E-08	3.78E-04	7.66E-05	4.33E-06	0.000615	2.09E-08	0.000696
3610	471363.09	3850877.25	0.0743	0.08574	0.09005	0.05582	1.35E-04	7.3E-06	0.00048	6E-08	0.00062	1.66E-04	8.94E-06	0.000585	3.33E-08	7.60E-04	0.000146	6.88E-06	0.00126	3.44E-08	0.001413
3611	471863.09	3850877.25	0.08712	0.09434	0.09616	0.06149	1.59E-04	8E-06	0.00051	6.6E-08	0.00068	1.95E-04	9.84E-06	0.000625	3.67E-08	8.29E-04	0.000172	7.57E-06	0.001345	3.79E-08	0.001524
3612	472363.09	3850877.25	0.09764	0.118	0.09908	0.07155	1.78E-04	1E-05	0.00053	7.6E-08	0.00071	2.18E-04	1.23E-05	0.000644	4.27E-08	8.74E-04	0.000192	9.47E-06	0.001386	4.41E-08	0.001588
3613	472863.09	3850877.25	0.10048	0.11746	0.10011	0.08447	1.83E-04	1E-05	0.00053	9E-08	0.00073	2.24E-04	1.22E-05	0.00065	5.04E-08	8.87E-04	0.000198	9.42E-06	0.0014	5.21E-08	0.001608
3614	473363.09	3850877.25	0.09764	0.10936	0.10121	0.08058	1.78E-04	9.3E-06	0.00054	8.6E-08	0.00073	2.18E-04	1.14E-05	0.000657	4.81E-08	8.87E-04	0.000192	8.77E-06	0.001416	4.97E-08	0.001617
3615	473863.09	3850877.25	0.10441	0.11563	0.10484	0.089	1.90E-04	9.8E-06	0.00056	9.5E-08	0.00076	2.33E-04	1.21E-05	0.000681	5.31E-08	9.26E-04	0.000206	9.28E-06	0.001467	5.49E-08	0.001682
3616	474363.09	3850877.25	0.11139	0.12942	0.10812	0.107	2.03E-04	1.1E-05	0.00057	1.1E-07	0.00079	2.49E-04	1.35E-05	0.000702	6.39E-08	9.65E-04	0.000219	1.04E-05	0.001512	6.6E-08	0.001742
3617	474863.09	3850877.25	0.12812	0.14534	0.13024	0.13237	2.34E-04	1.2E-05	0.00069	1.4E-07	0.00094	2.86E-04	1.52E-05	0.000846	7.9E-08	1.15E-03	0.000252	1.17E-05	0.001822	8.16E-08	0.002086
3618	475363.09	3850877.25	0.14559	0.16422	0.14901	0.15683	2.65E-04	1.4E-05	0.00079	1.7E-07	0.00107	3.25E-04	1.71E-05	0.000968	9.36E-08	1.31E-03	0.000287	1.32E-05	0.002085	9.67E-08	0.002385
3619	475863.09	3850877.25	0.15529	0.1748	0.15681	0.15398	2.83E-04	1.5E-05	0.00083	1.6E-07	0.00113	3.47E-04	1.82E-05	0.001019	9.19E-08	1.38E-03	0.000306	1.4E-05	0.002194	9.49E-08	0.002514
3620	476363.09	3850877.25	0.16375	0.17993	0.17385	0.18315	2.98E-04	1.5E-05	0.00092	2E-07	0.00124	3.66E-04	1.88E-05	0.001129	1.09E-07	1.51E-03	0.000323	1.44E-05	0.002432	1.13E-07	0.002769
3621	476863.09	3850877.25	0.19801	0.22065	0.18938	0.19657	3.61E-04	1.9E-05	0.00101	2.1E-07	0.00139	4.42E-04	2.3E-05	0.00123	1.17E-07	1.70E-03	0.00039	1.77E-05	0.002649	1.21E-07	0.003057
3622	477363.09	3850877.25	0.19484	0.21538	0.1771	0.16551	3.55E-04	1.8E-05	0.00094	1.8E-07	0.00131	4.35E-04	2.25E-05	0.00115	9.88E-08	1.61E-03	0.000384	1.73E-05	0.002477	1.02E-07	0.002879
3623	477863.09	3850877.25	0.17224	0.18942	0.17054	0.16291	3.14E-04	1.6E-05	0.00091	1.7E-07	0.00124	3.85E-04	1.98E-05	0.001108	9.72E-08	1.51E-03	0.000339	1.52E-05	0.002386	1E-07	0.00274
3624	478363.09	3850877.25	0.18826	0.20256	0.18071	0.16694	3.43E-04	1.7E-05	0.00096	1.8E-07	0.00132	4.21E-04	2.11E-05	0.001174	9.96E-08	1.62E-03	0.000371	1.62E-05	0.002528	1.03E-07	0.002915
3625	478863.09	3850877.25	0.18491	0.20285	0.19111	0.19923	3.37E-04	1.7E-05	0.00102	2.1E-07	0.00137	4.13E-04	2.12E-05	0.001241	1.19E-07	1.68E-03	0.000364	1.63E-05	0.002673	1.23E-07	0.003054
3626	479363.09	3850877.25	0.19599	0.21786	0.18464	0.15046	3.57E-04	1.9E-05	0.00098	1.6E-07	0.00136	4.38E-04	2.27E-05	0.001199	8.98E-08	1.66E-03	0.000386	1.75E-05	0.002583	9.28E-08	0.002986
3627	479863.09	3850877.25	0.22943	0.25415	0.20288	0.14442	4.18E-04	2.2E-05	0.00108	1.5E-07	0.00152	5.12E-04	2.65E-05	0.001318	8.62E-08	1.86E-03	0.000452	2.04E-05	0.002838	8.9E-08	0.00331
3628	480363.09	3850877.25	0.27725	0.34168	0.28431	0.26473	5.05E-04	2.9E-05	0.00151	2.8E-07	0.00205	6.19E-04	3.56E-05	0.001847	1.58E-07	2.50E-03	0.000546	2.74E-05	0.003977	1.63E-07	0.004551
3629	480863.09	3850877.25	0.29423	0.35061	0.31637	0.29367	5.36E-04	3E-05	0.00168	3.1E-07	0.00225	6.57E-04	3.66E-05	0.002055	1.75E-07	2.75E-03	0.000579	2.81E-05	0.004426	1.81E-07	0.005033
3630	481363.09	3850877.25	0.28832	0.30077	0.29409	0.19877	5.26E-04	2.6E-05	0.00156	2.1E-07	0.00211	6.44E-04	3.14E-05	0.00191	1.19E-07	2.59E-03	0.000568	2.41E-05	0.004114	1.23E-07	0.004706
3631	481863.09	3850877.25	0.20197	0.24988	0.19011	0.14008	3.68E-04	2.1E-05	0.00101	1.5E-07	0.0014	4.51E-04	2.61E-05	0.001235	8.36E-08	1.71E-03	0.000398	2E-05	0.002659	8.64E-08	0.003077
3632	482363.09	3850877.25	0.16349	0.17961	0.18932	0.09225	2.98E-04	1.5E-05	0.00101	9.8E-08	0.00132	3.65E-04	1.87E-05	0.00123	5.51E-08	1.61E-03	0.000322	1.44E-05	0.002648	5.69E-08	0.002985
3633	482863.09	3850877.25	0.12387	0.14945	0.15834	0.06645	2.26E-04	1.3E-05	0.00084	7.1E-08	0.00108	2.77E-04	1.56E-05	0.001028	3.97E-08	1.32E-03	0.000244	1.2E-05	0.002215	4.1E-08	0.002471
3634	483363.09	3850877.25	0.07633	0.09411	0.09747	0.05049	1.39E-04	8E-06	0.00052	5.4E-08	0.00067	1.71E-04	9.81E-06	0.000633	3.01E-08	8.13E-04	0.00015	7.55E-06	0.001364	3.11E-08	0.001521
3635	483863.09	3850877.25	0.06846	0.10685	0.07865	0.04707	1.25E-04	9.1E-06	0.00042	5E-08	0.00055	1.53E-04	1.11E-05	0.000511	2.81E-08	6.75E-04	0.000135	8.57E-06	0.0011	2.9E-08	0.001244
3636	484363.09	3850877.25	0.08168	0.11469	0.09951	0.05337	1.49E-04	9.8E-06	0.00053	5.7E-08	0.00069	1.82E-04	1.2E-05	0.000646	3.19E-08	8.41E-04	0.000161	9.2E-06	0.001392	3.29E-08	0.001562
3637	484863.09	3850877.25	0.0786	0.10782	0.09928	0.05136	1.43E-04	9.2E-06	0.00053	5.5E-08	0.00068	1.76E-04	1.12E-05	0.000645	3.07E-08	8.32E-04	0.000155	8.65E-06	0.001389	3.17E-08	0.001552
3638	485363.09	3850877.25	0.07699	0.12479	0.09254	0.05258	1.40E-04	1.1E-05	0.00049	5.6E-08	0.00064	1.72E-04	1.3E-05	0.000601	3.14E-08	7.86E-04	0.000152	1E-05	0.001295	3.24E-08	0.001456
3639	485863.09	3850877.25	0.06484	0.09531	0.07231	0.04386	1.18E-04	8.1E-06	0.00038	4.7E-08	0.00051	1.45E-04	9.94E-06	0.00047	2.62E-08	6.24E-04	0.000128	7.65E-06	0.001012	2.7E-08	0.001147
3640	486363.09	3850877.25	0.06332	0.10166	0.07409	0.04131	1.15E-04	8.7E-06	0.00039	4.4E-08	0.00052	1.41E-04	1.06E-05	0.000481	2.47E-08	6.33E-04	0.000125	8.15E-06	0.001036	2.55E-08	0.001169
3641	486863.09	3850877.25	0.05684	0.08629	0.06639	0.03874	1.04E-04	7.3E-06	0.00035	4.1E-08	0.00046	1.27E-04	9E-06	0.000431	2.31E-08	5.67E-04	0.000112	6.92E-06	0.000929	2.39E-08	0.001048
3642	487363.09	3850877.25	0.04975	0.09808	0.05329	0.03412	9.07E-05	8.3E-06	0.00028	3.6E-08	0.00038	1.11E-04	1.02E-05	0.000346	2.04E-08	4.68E-04	9.8E-05	7.87E-06	0.000745	2.1E-08	0.000851
3643	487863.09	3850877.25	0.04788	0.08884	0.05376	0.03158	8.73E-05	7.6E-06	0.00029	3.4E-08	0.00038	1.07E-04	9.26E-06	0.000349	1.88E-08	4.65E-04	9.43E-05	7.13E-06	0.000752	1.95E-08	0.000853
3644	488363.09	3850877.25	0.04582	0.07344	0.05237	0.03163	8.35E-05	6.2E-06	0.00028	3.4E-08	0.00037	1.02E-04	7.66E-06	0.00034	1.89E-08	4.50E-04	9.02E-05	5.89E-06	0.000733	1.95E-08	0.000829
3645	488863.09	3850877.25	0.04209	0.0768	0.04711	0.03179	7.67E-05	6.5E-06	0.00025	3.4E-08	0.00033	9.40E-05	8.01E-06	0.000306	1.9E-08	4.08E-04	8.29E-05	6.16E-06	0.000659	1.96E-08	0.000748
3646	489363.09	3850877.25	0.03809	0.06588	0.04279	0.02952	6.94E-05	5.6E-06	0.00023	3.1E-08	0.0003	8.51E-05	6.87E-06	0.000278	1.76E-08	3.70E-04	7.5E-05	5.28E-06	0.000599	1.82E-08	0.000679
3647	489863.09	3850877.25	0.03544	0.0619	0.03974	0.02613	6.46E-05	5.3E-06	0.00021	2.8E-08	0.00028	7.92E-05	6.45E-06	0.000258	1.56E-08	3.44E-04	6.98E-05	4.97E-06	0.000556	1.61E-08	0.000631
3648	490363.09	3850877.25	0.03599	0.06148	0.0375	0.02487	6.56E-05	5.2E-06	0.0002	2.7E-08	0.00027	8.04E-05	6.41E-06	0.000244	1.48E-08	3.30E-04	7.09E-05	4.93E-06	0.000525	1.53E-08	0.0006
3649	490863.09	3850877.25	0.03671	0.05665	0.03796	0.02394	6.69E-05	4.8E-06	0.0002	2.6E-08	0.00027	8.20E-05	5.91E-06	0.000247	1.43E-08	3.34E-04	7.23E-05	4.54E-06	0.000531	1.48E-08	0.000608
3650	491363.09	3850877.25	0.03576	0.057	0.03927	0.02237	6.52E-05	4.9E-06	0.00021	2.4E-08	0.00028	7.99E-05	5.94E-06	0.000255	1.34E-08	3.41E-04	7.04E-05	4.57E-06	0.000549	1.38E-08	0.000624
3651	491863.09	3850877.25	0.03297	0.04785	0.03654	0.02352	6.01E-05	4.1E-06	0.00019	2.5E-08	0.00026	7.36E-05	4.99E-06	0.000237	1.4E-08	3.16E-04	6.49E-05	3.84E-06	0.000511	1.45E-08	0.00058
3652	492363.09	3850877.25	0.03181	0.0486	0.03301	0.02393	5.80E-05	4.1E-06	0.00018	2.6E-08	0.00024	7.11E-05	5.07E-06	0.000214	1.43E-08	2.91E-04	6.26E-05	3.9E-06	0.000462	1.48E-08	0.000528
3653	492863.09	3850877.25	0.03085	0.04475	0.03237	0.0241	5.62E-05	3.8E-06	0.00017	2.6E-08	0.00023	6.89E-05	4.67E-06	0.00021	1.44E-08	2.84E-04	6.08E-05	3.59E-06	0.000453	1.49E-08	0.000517
3654	493363.09	3850877.25	0.03106	0.04562	0.03277	0.02444	5.66E-05	3.9E-06	0.00017	2.6E-08	0.00023	6.94E-05	4.76E-06	0.000213	1.46E-08	2.87E-04	6.12E-05	3.66E-06	0.000458	1.51E-08	0.000523
3655	493863.09	3850877.25	0.03413	0.0495	0.03669	0.02583	6.22E-05	4.2E-06	0.00019	2.8E-08	0.00026	7.62E-05	5.16E-06	0.000238	1.54E-08	3.20E-04	6.72E-05	3.97E-06	0.000513	1.59E-08	0.000584
3656	494363.09	3850877.25	0.03488	0.0493	0.03852	0.02619	6.36E-05	4.2E-06	0.0002	2.8E-08	0.00027	7.79E-05	5.14E-06	0.00025	1.56E-08	3.33E-04	6.87E-05	3.95E-06	0.000539	1.61E-08	0.000612

3657	494863.09	3850877.25	0.03776	0.0539	0.04354	0.03012	6.88E-05	4.6E-06	0.00023	3.2E-08	0.0003	8.43E-05	5.62E-06	0.000283	1.8E-08	3.73E-04	7.44E-05	4.32E-06	0.000609	1.86E-08	0.000688
3658	495363.09	3850877.25	0.04093	0.05562	0.04846	0.03343	7.46E-05	4.7E-06	0.00026	3.6E-08	0.00034	9.14E-05	5.8E-06	0.000315	2E-08	4.12E-04	8.06E-05	4.46E-06	0.000678	2.06E-08	0.000763
3659	495863.09	3850877.25	0.04077	0.0563	0.04804	0.03405	7.43E-05	4.8E-06	0.00026	3.6E-08	0.00033	9.11E-05	5.87E-06	0.000312	2.03E-08	4.09E-04	8.03E-05	4.52E-06	0.000672	2.1E-08	0.000757
3660	496363.09	3850877.25	0.04338	0.06023	0.05006	0.03653	7.91E-05	5.1E-06	0.00027	3.9E-08	0.00035	9.69E-05	6.28E-06	0.000325	2.18E-08	4.28E-04	8.54E-05	4.83E-06	0.0007	2.25E-08	0.000791
3661	496863.09	3850877.25	0.04705	0.06534	0.05443	0.03898	8.58E-05	5.6E-06	0.00029	4.2E-08	0.00038	1.05E-04	6.81E-06	0.000354	2.33E-08	4.65E-04	9.27E-05	5.24E-06	0.000761	2.4E-08	0.000859
3662	497363.09	3850877.25	0.04796	0.06547	0.05428	0.03855	8.74E-05	5.6E-06	0.00029	4.1E-08	0.00038	1.07E-04	6.83E-06	0.000353	2.3E-08	4.67E-04	9.45E-05	5.25E-06	0.000759	2.38E-08	0.000859
3663	497863.09	3850877.25	0.04662	0.0627	0.0528	0.03775	8.50E-05	5.3E-06	0.00028	4E-08	0.00037	1.04E-04	6.54E-06	0.000343	2.25E-08	4.54E-04	9.18E-05	5.03E-06	0.000739	2.33E-08	0.000835
3664	498363.09	3850877.25	0.04585	0.06068	0.05208	0.03682	8.36E-05	5.2E-06	0.00028	3.9E-08	0.00037	1.02E-04	6.33E-06	0.000338	2.2E-08	4.47E-04	9.03E-05	4.87E-06	0.000729	2.27E-08	0.000824
3665	471363.09	3851377.25	0.07837	0.07885	0.09548	0.05776	1.43E-04	6.7E-06	0.00051	6.2E-08	0.00066	1.75E-04	8.22E-06	0.00062	3.45E-08	8.03E-04	0.000154	6.33E-06	0.001336	3.56E-08	0.001496
3666	471863.09	3851377.25	0.09779	0.09569	0.11215	0.07639	1.78E-04	8.1E-06	0.0006	8.1E-08	0.00078	2.18E-04	9.98E-06	0.000728	4.56E-08	9.57E-04	0.000193	7.68E-06	0.001569	4.71E-08	0.001769
3667	472363.09	3851377.25	0.10515	0.11027	0.11177	0.07674	1.92E-04	9.4E-06	0.00059	8.2E-08	0.00079	2.35E-04	1.15E-05	0.000726	4.58E-08	9.72E-04	0.000207	8.85E-06	0.001564	4.73E-08	0.00178
3668	472863.09	3851377.25	0.10751	0.12032	0.1214	0.08059	1.96E-04	1E-05	0.00065	8.6E-08	0.00085	2.40E-04	1.25E-05	0.000789	4.81E-08	1.04E-03	0.000212	9.65E-06	0.001698	4.97E-08	0.00192
3669	473363.09	3851377.25	0.10162	0.11706	0.10797	0.06891	1.85E-04	1E-05	0.00057	7.4E-08	0.00077	2.27E-04	1.22E-05	0.000701	4.11E-08	9.41E-04	0.0002	9.39E-06	0.00151	4.25E-08	0.00172
3670	473863.09	3851377.25	0.10856	0.12735	0.11007	0.07665	1.98E-04	1.1E-05	0.00058	8.2E-08	0.00079	2.42E-04	1.33E-05	0.000715	4.57E-08	9.71E-04	0.000214	1.02E-05	0.00154	4.73E-08	0.001764
3671	474363.09	3851377.25	0.11275	0.13461	0.12049	0.09474	2.06E-04	1.1E-05	0.00064	1E-07	0.00086	2.52E-04	1.4E-05	0.000783	5.65E-08	1.05E-03	0.000222	1.08E-05	0.001686	5.84E-08	0.001918
3672	474863.09	3851377.25	0.12058	0.13043	0.12421	0.10111	2.20E-04	1.1E-05	0.00066	1.1E-07	0.00089	2.69E-04	1.36E-05	0.000807	6.03E-08	1.09E-03	0.000237	1.05E-05	0.001738	6.23E-08	0.001986
3673	475363.09	3851377.25	0.12853	0.15005	0.12348	0.1227	2.34E-04	1.3E-05	0.00066	1.3E-07	0.0009	2.87E-04	1.56E-05	0.000802	7.32E-08	1.10E-03	0.000253	1.2E-05	0.001727	7.57E-08	0.001993
3674	475863.09	3851377.25	0.14395	0.16638	0.14835	0.15513	2.62E-04	1.4E-05	0.00079	1.7E-07	0.00106	3.22E-04	1.73E-05	0.000964	9.26E-08	1.30E-03	0.000284	1.33E-05	0.002075	9.56E-08	0.002372
3675	476363.09	3851377.25	0.16835	0.1876	0.17463	0.17665	3.07E-04	1.6E-05	0.00093	1.9E-07	0.00125	3.76E-04	1.96E-05	0.001134	1.05E-07	1.53E-03	0.000332	1.5E-05	0.002443	1.09E-07	0.00279
3676	476863.09	3851377.25	0.18506	0.20585	0.18616	0.17728	3.37E-04	1.8E-05	0.00099	1.9E-07	0.00134	4.13E-04	2.15E-05	0.001209	1.06E-07	1.64E-03	0.000364	1.65E-05	0.002604	1.09E-07	0.002985
3677	477363.09	3851377.25	0.19852	0.21816	0.21597	0.20994	3.62E-04	1.9E-05	0.00115	2.2E-07	0.00153	4.43E-04	2.27E-05	0.001403	1.25E-07	1.87E-03	0.000391	1.75E-05	0.003021	1.29E-07	0.00343
3678	477863.09	3851377.25	0.22956	0.26455	0.24022	0.20382	4.18E-04	2.3E-05	0.00128	2.2E-07	0.00172	5.13E-04	2.76E-05	0.00156	1.22E-07	2.10E-03	0.000452	2.12E-05	0.00336	1.26E-07	0.003834
3679	478363.09	3851377.25	0.22863	0.2608	0.21819	0.1944	4.17E-04	2.2E-05	0.00116	2.1E-07	0.0016	5.11E-04	2.72E-05	0.001417	1.16E-07	1.96E-03	0.00045	2.09E-05	0.003052	1.2E-07	0.003524
3680	478863.09	3851377.25	0.19808	0.21054	0.19483	0.18796	3.61E-04	1.8E-05	0.00104	2E-07	0.00141	4.42E-04	2.2E-05	0.001265	1.12E-07	1.73E-03	0.00039	1.69E-05	0.002725	1.16E-07	0.003133
3681	479363.09	3851377.25	0.21414	0.24126	0.20763	0.20458	3.90E-04	2.1E-05	0.0011	2.2E-07	0.00151	4.78E-04	2.52E-05	0.001349	1.22E-07	1.85E-03	0.000422	1.94E-05	0.002905	1.26E-07	0.003346
3682	479863.09	3851377.25	0.2375	0.25564	0.21619	0.1772	4.33E-04	2.2E-05	0.00115	1.9E-07	0.0016	5.31E-04	2.67E-05	0.001404	1.06E-07	1.96E-03	0.000468	2.05E-05	0.003024	1.09E-07	0.003513
3683	480363.09	3851377.25	0.25267	0.28336	0.22909	0.18716	4.61E-04	2.4E-05	0.00122	2E-07	0.0017	5.64E-04	2.95E-05	0.001488	1.12E-07	2.08E-03	0.000498	2.27E-05	0.003205	1.15E-07	0.003725
3684	480863.09	3851377.25	0.32299	0.401	0.32771	0.32439	5.89E-04	3.4E-05	0.00174	3.5E-07	0.00236	7.21E-04	4.18E-05	0.002129	1.94E-07	2.89E-03	0.000636	3.22E-05	0.004584	2E-07	0.005253
3685	481363.09	3851377.25	0.34095	0.38364	0.36978	0.35221	6.21E-04	3.3E-05	0.00196	3.8E-07	0.00262	7.62E-04	4E-05	0.002402	2.1E-07	3.20E-03	0.000671	3.08E-05	0.005173	2.17E-07	0.005875
3686	481863.09	3851377.25	0.32348	0.36285	0.34045	0.24476	5.90E-04	3.1E-05	0.00181	2.6E-07	0.00243	7.23E-04	3.78E-05	0.002211	1.46E-07	2.97E-03	0.000637	2.91E-05	0.004763	1.51E-07	0.005429
3687	482363.09	3851377.25	0.23122	0.32017	0.27143	0.16101	4.21E-04	2.7E-05	0.00144	1.7E-07	0.00189	5.16E-04	3.34E-05	0.001763	9.61E-08	2.31E-03	0.000455	2.57E-05	0.003797	9.93E-08	0.004278
3688	482863.09	3851377.25	0.18951	0.23582	0.24009	0.10977	3.45E-04	2E-05	0.00128	1.2E-07	0.00164	4.23E-04	2.46E-05	0.001559	6.55E-08	2.01E-03	0.000373	1.89E-05	0.003359	6.77E-08	0.003751
3689	483363.09	3851377.25	0.12586	0.16484	0.16051	0.07224	2.29E-04	1.4E-05	0.00085	7.7E-08	0.0011	2.81E-04	1.72E-05	0.001043	4.31E-08	1.34E-03	0.000248	1.32E-05	0.002245	4.45E-08	0.002507
3690	483863.09	3851377.25	0.09659	0.13807	0.11425	0.06088	1.76E-04	1.2E-05	0.00061	6.5E-08	0.00079	2.16E-04	1.44E-05	0.000742	3.63E-08	9.72E-04	0.00019	1.11E-05	0.001598	3.75E-08	0.0018
3691	484363.09	3851377.25	0.12841	0.18028	0.1503	0.07067	2.34E-04	1.5E-05	0.0008	7.5E-08	0.00105	2.87E-04	1.88E-05	0.000976	4.22E-08	1.28E-03	0.000253	1.45E-05	0.002103	4.36E-08	0.00237
3692	484863.09	3851377.25	0.0772	0.10144	0.09328	0.05223	1.41E-04	8.6E-06	0.0005	5.6E-08	0.00065	1.72E-04	1.06E-05	0.000606	3.12E-08	7.89E-04	0.000152	8.14E-06	0.001305	3.22E-08	0.001465
3693	485363.09	3851377.25	0.10199	0.18857	0.12266	0.06242	1.86E-04	1.6E-05	0.00065	6.7E-08	0.00085	2.28E-04	1.97E-05	0.000797	3.73E-08	1.04E-03	0.000201	1.51E-05	0.001716	3.85E-08	0.001932
3694	485863.09	3851377.25	0.0818	0.11751	0.09062	0.05076	1.49E-04	1E-05	0.00048	5.4E-08	0.00064	1.83E-04	1.23E-05	0.000589	3.03E-08	7.84E-04	0.000161	9.43E-06	0.001268	3.13E-08	0.001438
3695	486363.09	3851377.25	0.08446	0.134	0.09603	0.05145	1.54E-04	1.1E-05	0.00051	5.5E-08	0.00068	1.89E-04	1.4E-05	0.000624	3.07E-08	8.26E-04	0.000166	1.07E-05	0.001343	3.17E-08	0.00152
3696	486863.09	3851377.25	0.07381	0.13407	0.08097	0.04628	1.35E-04	1.1E-05	0.00043	4.9E-08	0.00058	1.65E-04	1.4E-05	0.000526	2.76E-08	7.05E-04	0.000145	1.08E-05	0.001133	2.85E-08	0.001289
3697	487363.09	3851377.25	0.05587	0.10379	0.06165	0.0358	1.02E-04	8.8E-06	0.00033	3.8E-08	0.00044	1.25E-04	1.08E-05	0.0004	2.14E-08	5.36E-04	0.00011	8.33E-06	0.000862	2.21E-08	0.000981
3698	487863.09	3851377.25	0.05947	0.10395	0.0663	0.03552	1.08E-04	8.8E-06	0.00035	3.8E-08	0.00047	1.33E-04	1.08E-05	0.000431	2.12E-08	5.74E-04	0.000117	8.34E-06	0.000927	2.19E-08	0.001053
3699	488363.09	3851377.25	0.0577	0.0946	0.06309	0.03696	1.05E-04	8E-06	0.00034	3.9E-08	0.00045	1.29E-04	9.86E-06	0.00041	2.21E-08	5.49E-04	0.000114	7.59E-06	0.000883	2.28E-08	0.001004
3700	488863.09	3851377.25	0.05101	0.08948	0.05648	0.03581	9.30E-05	7.6E-06	0.0003	3.8E-08	0.0004	1.14E-04	9.33E-06	0.000367	2.14E-08	4.90E-04	0.0001	7.18E-06	0.00079	2.21E-08	0.000898
3701	489363.09	3851377.25	0.04916	0.0845	0.05137	0.0317	8.96E-05	7.2E-06	0.00027	3.4E-08	0.00037	1.10E-04	8.81E-06	0.000334	1.89E-08	4.52E-04	9.68E-05	6.78E-06	0.000719	1.95E-08	0.000822
3702	489863.09	3851377.25	0.04734	0.08178	0.04813	0.03003	8.63E-05	7E-06	0.00026	3.2E-08	0.00035	1.06E-04	8.53E-06	0.000313	1.79E-08	4.27E-04	9.32E-05	6.56E-06	0.000673	1.85E-08	0.000773
3703	490363.09	3851377.25	0.04883	0.08416	0.05042	0.02826	8.90E-05	7.2E-06	0.00027	3E-08	0.00036	1.09E-04	8.78E-06	0.000327	1.69E-08	4.45E-04	9.62E-05	6.75E-06	0.000705	1.74E-08	0.000808
3704	490863.09	3851377.25	0.04812	0.07393	0.05103	0.02816	8.77E-05	6.3E-06	0.00027	3E-08	0.00037	1.07E-04	7.71E-06	0.000331	1.68E-08	4.47E-04	9.48E-05	5.93E-06	0.000714	1.74E-08	0.000815
3705	491363.09	3851377.25	0.04478	0.067	0.04857	0.03139	8.16E-05	5.7E-06	0.00026	3.3E-08	0.00035	1.00E-04	6.99E-06	0.000315	1.87E-08	4.23E-04	8.82E-05	5.37E-06	0.000679	1.94E-08	0.000773
3706	491863.09	3851377.25	0.04216	0.06535	0.04593	0.0301	7.69E-05	5.6E-06	0.00024	3.2E-08	0.00033	9.42E-05	6.81E-06	0.000298	1.8E-08	3.99E-04	8.3E-05	5.24E-06	0.000643	1.86E-08	0.000731
3707	492363.09	3851377.25	0.04218	0.06274	0.04409	0.02996	7.69E-05	5.3E-06	0.00023	3.2E-08	0.00032	9.42E-05	6.54E-06	0.000286	1.79E-08	3.87E-04	8.31E-05	5.03E-06	0.000617	1.85E-08	0.000705
3708	492863.09	3851377.25	0.04182	0.05789	0.04328	0.02938	7.62E-05	4.9E-06	0.00023	3.1E-08	0.00031	9.34E-05	6.04E-06	0.000281	1.75E-08	3.81E-04	8.24E-05	4.64E-06	0.000605	1.81E-08	0.000692
3709	493363.09	3851377.25	0.03474	0.05117	0.03924	0.02738	6.33E-05	4.4E-06	0.00021	2.9E-08	0.00028	7.76E-05	5.34E-06	0.000255	1.63E-08	3.38E-04	6.84E-05	4.1E-06	0.000549	1.69E-08	0.000621
3710	493863.09	3851377.25	0.03789	0.05536	0.04357	0.02974	6.91E-05	4.7E-06	0.00023	3.2E-08	0.00031	8.46E-05	5.77E-06	0.000283	1.78E-08	3.73E-04	7.46E-05	4.44E-06	0.00061	1.83E-08	0.000689
3711	494363.09	3851377.25	0.04435	0.06337	0.05176	0.03539	8.08E-05	5.4E-06	0.00028	3.8E-08	0.00036	9.91E-05	6.61E-06	0.000336	2.11E-08	4.42E-04	8.73E-05	5.08E-06	0.000724	2.18E-08	0.000817
3712	494863.09	3851377.25	0.04568	0.06362	0.05234	0.03733	8.33E-05	5.4E-06	0.00028	4E-08	0.00037	1.02E-04	6.63E-06	0.00034	2.23E-08	4.49E-04	9E-05	5.1E-06	0.000732	2.3E-08	0.000827
3713	495363.09	3851377.25	0.05425	0.07674	0.06198	0.04269	9.89E-05	6.5E-06	0.00033	4.6E-08	0.00043	1.21E-04	8E-06	0.000403	2.55E-08	5.32E-04	0.000107	6.16E-06	0.000867	2.63E-08	0.00098
3714	495863.09	3851377.25	0.05702	0.07976	0.06514	0.04482	1.04E-04	6.8E-06	0.00035	4.8E-08	0.00046	1.27E-04	8.32E-06	0.000423	2.68E-08	5.59E-04	0.000112	6.4E-06	0.000911	2.76E-08	0.00103
3715	496363.09	3851377.25	0.0582	0.08188	0.06649	0.04542	1.06E-04	7E-06	0.00035	4.8E-08	0.00047	1.30E-04	8.54E-06	0.000432	2.71E-08	5.70E-04	0.000115	6.57E-06	0.00093	2.8E-08	0.001051
3716	496863.09	3851377.25	0.05872	0.07886	0.06679	0.04433	1.07E-04	6.7E-06	0.00035	4.7E-08	0.00047	1.31E-04	8.22E-06	0.000434	2.65E-08	5.73E-04	0.000116	6.33E-06	0.000934	2.73E-08	0.001056
3717	497363.09	3851377.25	0.05854	0.07903	0.06633	0.04596	1.07E-04	6.7E-06	0.00035	4.9E-08	0.00047	1.31E-04	8.24E-06	0.000431	2.74E-08	5.70E-04	0.000115	6.34E-06	0.000928	2.83E-08	0.00105

3718	497863.09	3851377.25	0.05566	0.0712	0.06396	0.04542	1.01E-04	6.1E-06	0.00034	4.8E-08	0.00045	1.24E-04	7.42E-06	0.000415	2.71E-08	5.47E-04	0.00011	5.71E-06	0.000895	2.8E-08	0.00101
3719	498363.09	3851377.25	0.0503	0.06852	0.05978	0.04388	9.17E-05	5.8E-06	0.00032	4.7E-08	0.00042	1.12E-04	7.15E-06	0.000388	2.62E-08	5.08E-04	9.91E-05	5.5E-06	0.000836	2.71E-08	0.000941
3720	471363.09	3851877.25	0.07889	0.09948	0.09756	0.06083	1.44E-04	8.5E-06	0.00052	6.5E-08	0.00067	1.76E-04	1.04E-05	0.000634	3.63E-08	8.20E-04	0.000155	7.98E-06	0.001365	3.75E-08	0.001528
3721	471863.09	3851877.25	0.0768	0.0928	0.0936	0.05905	1.40E-04	7.9E-06	0.0005	6.3E-08	0.00065	1.72E-04	9.68E-06	0.000608	3.52E-08	7.89E-04	0.000151	7.44E-06	0.001309	3.64E-08	0.001468
3722	472363.09	3851877.25	0.09067	0.10146	0.11108	0.07206	1.65E-04	8.6E-06	0.00059	7.7E-08	0.00076	2.03E-04	1.06E-05	0.000721	4.3E-08	9.35E-04	0.000179	8.14E-06	0.001554	4.44E-08	0.001741
3723	472863.09	3851877.25	0.10338	0.10708	0.12373	0.07817	1.88E-04	9.1E-06	0.00066	8.3E-08	0.00086	2.31E-04	1.12E-05	0.000804	4.67E-08	1.05E-03	0.000204	8.59E-06	0.001731	4.82E-08	0.001943
3724	473363.09	3851877.25	0.10302	0.10455	0.11947	0.07115	1.88E-04	8.9E-06	0.00063	7.6E-08	0.00083	2.30E-04	1.09E-05	0.000776	4.25E-08	1.02E-03	0.000203	8.39E-06	0.001671	4.39E-08	0.001883
3725	473863.09	3851877.25	0.11091	0.11592	0.11917	0.0725	2.02E-04	9.9E-06	0.00063	7.7E-08	0.00085	2.48E-04	1.21E-05	0.000774	4.33E-08	1.03E-03	0.000218	9.3E-06	0.001667	4.47E-08	0.001895
3726	474363.09	3851877.25	0.13106	0.14617	0.14338	0.08856	2.39E-04	1.2E-05	0.00076	9.4E-08	0.00101	2.93E-04	1.52E-05	0.000931	5.29E-08	1.24E-03	0.000258	1.17E-05	0.002006	5.46E-08	0.002276
3727	474863.09	3851877.25	0.14362	0.16895	0.14845	0.10369	2.62E-04	1.4E-05	0.00079	1.1E-07	0.00107	3.21E-04	1.76E-05	0.000964	6.19E-08	1.30E-03	0.000283	1.36E-05	0.002077	6.39E-08	0.002373
3728	475363.09	3851877.25	0.14325	0.17699	0.14451	0.11336	2.61E-04	1.5E-05	0.00077	1.2E-07	0.00104	3.20E-04	1.85E-05	0.000939	6.77E-08	1.28E-03	0.000282	1.42E-05	0.002022	6.99E-08	0.002318
3729	475863.09	3851877.25	0.13849	0.1691	0.14286	0.11648	2.52E-04	1.4E-05	0.00076	1.2E-07	0.00103	3.09E-04	1.76E-05	0.000928	6.95E-08	1.25E-03	0.000273	1.36E-05	0.001998	7.18E-08	0.002285
3730	476363.09	3851877.25	0.14809	0.16345	0.14466	0.12867	2.70E-04	1.4E-05	0.00077	1.4E-07	0.00105	3.31E-04	1.7E-05	0.00094	7.68E-08	1.29E-03	0.000292	1.31E-05	0.002024	7.93E-08	0.002328
3731	476863.09	3851877.25	0.16875	0.19568	0.17321	0.16692	3.08E-04	1.7E-05	0.00092	1.8E-07	0.00124	3.77E-04	2.04E-05	0.001125	9.96E-08	1.52E-03	0.000332	1.57E-05	0.002423	1.03E-07	0.002771
3732	477363.09	3851877.25	0.20183	0.21583	0.21626	0.19493	3.68E-04	1.8E-05	0.00115	2.1E-07	0.00154	4.51E-04	2.25E-05	0.001405	1.16E-07	1.88E-03	0.000397	1.73E-05	0.003025	1.2E-07	0.00344
3733	477863.09	3851877.25	0.22606	0.23728	0.22694	0.20648	4.12E-04	2E-05	0.00121	2.2E-07	0.00164	5.05E-04	2.47E-05	0.001474	1.23E-07	2.00E-03	0.000445	1.9E-05	0.003175	1.27E-07	0.003639
3734	478363.09	3851877.25	0.26013	0.28543	0.27084	0.23097	4.74E-04	2.4E-05	0.00144	2.5E-07	0.00194	5.81E-04	2.98E-05	0.001759	1.38E-07	2.37E-03	0.000512	2.29E-05	0.003789	1.42E-07	0.004324
3735	478863.09	3851877.25	0.27559	0.30561	0.26541	0.21489	5.02E-04	2.6E-05	0.00141	2.3E-07	0.00194	6.16E-04	3.19E-05	0.001724	1.28E-07	2.37E-03	0.000543	2.45E-05	0.003713	1.32E-07	0.00428
3736	479363.09	3851877.25	0.25712	0.29021	0.24251	0.22273	4.69E-04	2.5E-05	0.00129	2.4E-07	0.00178	5.74E-04	3.03E-05	0.001575	1.33E-07	2.18E-03	0.000506	2.33E-05	0.003392	1.37E-07	0.003922
3737	479863.09	3851877.25	0.27074	0.31165	0.26125	0.22149	4.94E-04	2.7E-05	0.00139	2.4E-07	0.00191	6.05E-04	3.25E-05	0.001697	1.32E-07	2.33E-03	0.000533	2.5E-05	0.003655	1.37E-07	0.004213
3738	480363.09	3851877.25	0.28564	0.30047	0.2623	0.23785	5.21E-04	2.6E-05	0.00139	2.5E-07	0.00194	6.38E-04	3.13E-05	0.001704	1.42E-07	2.37E-03	0.000563	2.41E-05	0.003669	1.47E-07	0.004256
3739	480863.09	3851877.25	0.30395	0.34267	0.26446	0.20964	5.54E-04	2.9E-05	0.00141	2.2E-07	0.00199	6.79E-04	3.57E-05	0.001718	1.25E-07	2.43E-03	0.000599	2.75E-05	0.0037	1.29E-07	0.004326
3740	481363.09	3851877.25	0.3757	0.47453	0.38162	0.38129	6.85E-04	4E-05	0.00203	4.1E-07	0.00275	8.39E-04	4.95E-05	0.002479	2.28E-07	3.37E-03	0.00074	3.81E-05	0.005338	2.35E-07	0.006117
3741	481863.09	3851877.25	0.4048	0.44236	0.46013	0.39007	7.38E-04	3.8E-05	0.00244	4.2E-07	0.00322	9.04E-04	4.61E-05	0.002989	2.33E-07	3.94E-03	0.000797	3.55E-05	0.006437	2.41E-07	0.00727
3742	482363.09	3851877.25	0.34937	0.39471	0.38628	0.23096	6.37E-04	3.4E-05	0.00205	2.5E-07	0.00272	7.80E-04	4.12E-05	0.002509	1.38E-07	3.33E-03	0.000688	3.17E-05	0.005404	1.42E-07	0.006124
3743	482863.09	3851877.25	0.20764	0.24129	0.26334	0.11185	3.78E-04	2.1E-05	0.0014	1.2E-07	0.0018	4.64E-04	2.52E-05	0.00171	6.68E-08	2.20E-03	0.000409	1.94E-05	0.003684	6.9E-08	0.004112
3744	483363.09	3851877.25	0.20849	0.2878	0.26285	0.11177	3.80E-04	2.4E-05	0.0014	1.2E-07	0.0018	4.66E-04	3E-05	0.001707	6.67E-08	2.20E-03	0.000411	2.31E-05	0.003677	6.89E-08	0.004111
3745	483863.09	3851877.25	0.18044	0.24606	0.21739	0.09326	3.29E-04	2.1E-05	0.00116	9.9E-08	0.0015	4.03E-04	2.57E-05	0.001412	5.57E-08	1.84E-03	0.000355	1.97E-05	0.003041	5.75E-08	0.003416
3746	484363.09	3851877.25	0.17521	0.2753	0.20384	0.09229	3.19E-04	2.3E-05	0.00108	9.8E-08	0.00143	3.91E-04	2.87E-05	0.001324	5.51E-08	1.74E-03	0.000345	2.21E-05	0.002852	5.69E-08	0.003219
3747	484863.09	3851877.25	0.13732	0.16799	0.17465	0.07573	2.50E-04	1.4E-05	0.00093	8.1E-08	0.00119	3.07E-04	1.75E-05	0.001134	4.52E-08	1.46E-03	0.00027	1.35E-05	0.002443	4.67E-08	0.002727
3748	485363.09	3851877.25	0.1344	0.2128	0.15428	0.07523	2.45E-04	1.8E-05	0.00082	8E-08	0.00108	3.00E-04	2.22E-05	0.001002	4.49E-08	1.32E-03	0.000265	1.71E-05	0.002158	4.64E-08	0.00244
3749	485863.09	3851877.25	0.12489	0.18397	0.14995	0.0692	2.28E-04	1.6E-05	0.0008	7.4E-08	0.00104	2.79E-04	1.92E-05	0.000974	4.13E-08	1.27E-03	0.000246	1.48E-05	0.002098	4.27E-08	0.002358
3750	486363.09	3851877.25	0.10115	0.16961	0.11508	0.05978	1.84E-04	1.4E-05	0.00061	6.4E-08	0.00081	2.26E-04	1.77E-05	0.000747	3.57E-08	9.91E-04	0.000199	1.36E-05	0.00161	3.69E-08	0.001823
3751	486863.09	3851877.25	0.09294	0.15325	0.10154	0.05536	1.69E-04	1.3E-05	0.00054	5.9E-08	0.00072	2.08E-04	1.6E-05	0.00066	3.3E-08	8.83E-04	0.000183	1.23E-05	0.00142	3.41E-08	0.001616
3752	487363.09	3851877.25	0.0818	0.1482	0.09132	0.04798	1.49E-04	1.3E-05	0.00049	5.1E-08	0.00065	1.83E-04	1.55E-05	0.000593	2.86E-08	7.91E-04	0.000161	1.19E-05	0.001277	2.96E-08	0.00145
3753	487863.09	3851877.25	0.06282	0.11131	0.07014	0.03948	1.15E-04	9.5E-06	0.00037	4.2E-08	0.0005	1.40E-04	1.16E-05	0.000456	2.36E-08	6.08E-04	0.000124	8.93E-06	0.000981	2.43E-08	0.001114
3754	488363.09	3851877.25	0.05879	0.09789	0.06469	0.03779	1.07E-04	8.3E-06	0.00034	4E-08	0.00046	1.31E-04	1.02E-05	0.00042	2.26E-08	5.62E-04	0.000116	7.85E-06	0.000905	2.33E-08	0.001029
3755	488863.09	3851877.25	0.05583	0.0967	0.05179	0.03495	1.02E-04	8.2E-06	0.00028	3.7E-08	0.00039	1.25E-04	1.01E-05	0.000336	2.09E-08	4.71E-04	0.00011	7.76E-06	0.000724	2.15E-08	0.000842
3756	489363.09	3851877.25	0.05342	0.08976	0.05172	0.03205	9.74E-05	7.6E-06	0.00027	3.4E-08	0.00038	1.19E-04	9.36E-06	0.000336	1.91E-08	4.65E-04	0.000105	7.2E-06	0.000724	1.98E-08	0.000836
3757	489863.09	3851877.25	0.05115	0.09037	0.05442	0.0305	9.32E-05	7.7E-06	0.00029	3.3E-08	0.00039	1.14E-04	9.42E-06	0.000353	1.82E-08	4.77E-04	0.000101	7.25E-06	0.000761	1.88E-08	0.000869
3758	490363.09	3851877.25	0.05278	0.08143	0.0557	0.03311	9.62E-05	6.9E-06	0.0003	3.5E-08	0.0004	1.18E-04	8.49E-06	0.000362	1.98E-08	4.88E-04	0.000104	6.53E-06	0.000779	2.04E-08	0.00089
3759	490863.09	3851877.25	0.05503	0.08396	0.05864	0.03627	1.00E-04	7.1E-06	0.00031	3.9E-08	0.00042	1.23E-04	8.76E-06	0.000381	2.16E-08	5.13E-04	0.000108	6.74E-06	0.00082	2.24E-08	0.000935
3760	491363.09	3851877.25	0.05713	0.09365	0.05978	0.03679	1.04E-04	8E-06	0.00032	3.9E-08	0.00043	1.28E-04	9.77E-06	0.000388	2.2E-08	5.26E-04	0.000113	7.51E-06	0.000836	2.27E-08	0.000956
3761	491863.09	3851877.25	0.05853	0.09009	0.06177	0.03781	1.07E-04	7.7E-06	0.00033	4E-08	0.00044	1.31E-04	9.39E-06	0.000401	2.26E-08	5.41E-04	0.000115	7.23E-06	0.000864	2.33E-08	0.000987
3762	492363.09	3851877.25	0.0555	0.08281	0.06236	0.03918	1.01E-04	7E-06	0.00033	4.2E-08	0.00044	1.24E-04	8.64E-06	0.000405	2.34E-08	5.38E-04	0.000109	6.64E-06	0.000872	2.42E-08	0.000988
3763	492863.09	3851877.25	0.04424	0.06725	0.0512	0.03514	8.06E-05	5.7E-06	0.00027	3.7E-08	0.00036	9.88E-05	7.01E-06	0.000333	2.1E-08	4.38E-04	8.71E-05	5.39E-06	0.000716	2.17E-08	0.000809
3764	493363.09	3851877.25	0.05297	0.07971	0.06031	0.04089	9.66E-05	6.8E-06	0.00032	4.4E-08	0.00042	1.18E-04	8.31E-06	0.000392	2.44E-08	5.18E-04	0.000104	6.39E-06	0.000844	2.52E-08	0.000954
3765	493863.09	3851877.25	0.06444	0.09119	0.07272	0.04817	1.17E-04	7.8E-06	0.00039	5.1E-08	0.00051	1.44E-04	9.51E-06	0.000472	2.87E-08	6.26E-04	0.000127	7.32E-06	0.001017	2.97E-08	0.001152
3766	494363.09	3851877.25	0.06179	0.08494	0.06857	0.04684	1.13E-04	7.2E-06	0.00036	5E-08	0.00048	1.38E-04	8.86E-06	0.000445	2.8E-08	5.92E-04	0.000122	6.81E-06	0.000959	2.89E-08	0.001088
3767	494863.09	3851877.25	0.06973	0.0978	0.07887	0.0496	1.27E-04	8.3E-06	0.00042	5.3E-08	0.00055	1.56E-04	1.02E-05	0.000512	2.96E-08	6.78E-04	0.000137	7.85E-06	0.001103	3.06E-08	0.001249
3768	495363.09	3851877.25	0.07605	0.10407	0.08208	0.05222	1.39E-04	8.9E-06	0.00044	5.6E-08	0.00058	1.70E-04	1.09E-05	0.000533	3.12E-08	7.14E-04	0.00015	8.35E-06	0.001148	3.22E-08	0.001306
3769	495863.09	3851877.25	0.07651	0.10781	0.086	0.05408	1.39E-04	9.2E-06	0.00046	5.8E-08	0.00061	1.71E-04	1.12E-05	0.000559	3.23E-08	7.41E-04	0.000151	8.65E-06	0.001203	3.33E-08	0.001362
3770	496363.09	3851877.25	0.07424	0.10393	0.08339	0.05421	1.35E-04	8.8E-06	0.00044	5.8E-08	0.00059	1.66E-04	1.08E-05	0.000542	3.24E-08	7.18E-04	0.000146	8.34E-06	0.001167	3.34E-08	0.001321
3771	496863.09	3851877.25	0.06958	0.09594	0.0819	0.05383	1.27E-04	8.2E-06	0.00044	5.7E-08	0.00057	1.55E-04	1E-05	0.000532	3.21E-08	6.97E-04	0.000137	7.7E-06	0.001146	3.32E-08	0.00129
3772	497363.09	3851877.25	0.0659	0.08913	0.0782	0.05377	1.20E-04	7.6E-06	0.00042	5.7E-08	0.00054	1.47E-04	9.29E-06	0.000508	3.21E-08	6.64E-04	0.00013	7.15E-06	0.001094	3.32E-08	0.001231
3773	497863.09	3851877.25	0.06078	0.07964	0.07085	0.04999	1.11E-04	6.8E-06	0.00038	5.3E-08	0.00049	1.36E-04	8.3E-06	0.00046	2.98E-08	6.04E-04	0.00012	6.39E-06	0.000991	3.08E-08	0.001117
3774	498363.09	3851877.25	0.05687	0.07115	0.0657	0.04662	1.04E-04	6.1E-06	0.00035	5E-08	0.00046	1.27E-04	7.42E-06	0.000427	2.78E-08	5.61E-04	0.000112	5.71E-06	0.000919	2.87E-08	0.001037
3775	471363.09	3852377.25	0.07052	0.10364	0.08202	0.04717	1.29E-04	8.8E-06	0.00044	5E-08	0.00057	1.58E-04	1.08E-05	0.000533	2.82E-08	7.01E-04	0.000139	8.31E-06	0.001147	2.91E-08	0.001295
3776	471863.09	3852377.25	0.08333	0.12282	0.09654	0.05657	1.52E-04	1E-05	0.00051	6E-08	0.00068	1.86E-04	1.28E-05	0.000627	3.38E-08	8.26E-04	0.000164	9.85E-06	0.00135	3.49E-08	0.001525
3777	472363.09	3852377.25	0.08868	0.12497	0.10553	0.06445	1.62E-04	1.1E-05	0.00056	6.9E-08	0.00073	1.98E-04	1.3E-05	0.000685	3.85E-08	8.97E-04	0.000175	1E-05	0.001476	3.97E-08	0.001661
3778	472863.09	3852377.25	0.09761	0.12567	0.1147	0.06926	1.78E-04	1.1E-05	0.00061	7.4E-08	0.0008	2.18E-04	1.31E-05	0.000745	4.13E-08	9.76E-04	0.000192	1.01E-05	0.001605	4.27E-08	0.001807

3779	473363.09	3852377.25	0.10187	0.12926	0.11971	0.07333	1.86E-04	1.1E-05	0.00064	7.8E-08	0.00083	2.28E-04	1.35E-05	0.000778	4.38E-08	1.02E-03	0.000201	1.04E-05	0.001675	4.52E-08	0.001886
3780	473863.09	3852377.25	0.10526	0.12435	0.12692	0.07617	1.92E-04	1.1E-05	0.00067	8.1E-08	0.00088	2.35E-04	1.3E-05	0.000824	4.55E-08	1.07E-03	0.000207	9.98E-06	0.001775	4.7E-08	0.001993
3781	474363.09	3852377.25	0.11103	0.11846	0.1352	0.07704	2.02E-04	1E-05	0.00072	8.2E-08	0.00093	2.48E-04	1.24E-05	0.000878	4.6E-08	1.14E-03	0.000219	9.5E-06	0.001891	4.75E-08	0.00212
3782	474863.09	3852377.25	0.14396	0.148	0.16279	0.11452	2.62E-04	1.3E-05	0.00086	1.2E-07	0.00114	3.22E-04	1.54E-05	0.001057	6.84E-08	1.39E-03	0.000284	1.19E-05	0.002277	7.06E-08	0.002573
3783	475363.09	3852377.25	0.15136	0.15922	0.17653	0.11428	2.76E-04	1.4E-05	0.00094	1.2E-07	0.00123	3.38E-04	1.66E-05	0.001147	6.82E-08	1.50E-03	0.000298	1.28E-05	0.002469	7.05E-08	0.00278
3784	475863.09	3852377.25	0.16428	0.19302	0.18123	0.11146	2.99E-04	1.6E-05	0.00096	1.2E-07	0.00128	3.67E-04	2.01E-05	0.001177	6.65E-08	1.56E-03	0.000324	1.55E-05	0.002535	6.87E-08	0.002874
3785	476363.09	3852377.25	0.16761	0.1971	0.17342	0.11204	3.06E-04	1.7E-05	0.00092	1.2E-07	0.00124	3.74E-04	2.06E-05	0.001126	6.69E-08	1.52E-03	0.00033	1.58E-05	0.002426	6.91E-08	0.002772
3786	476863.09	3852377.25	0.16622	0.21074	0.17286	0.11874	3.03E-04	1.8E-05	0.00092	1.3E-07	0.00124	3.71E-04	2.2E-05	0.001123	7.09E-08	1.52E-03	0.000327	1.69E-05	0.002418	7.32E-08	0.002762
3787	477363.09	3852377.25	0.16647	0.19397	0.17348	0.12869	3.03E-04	1.7E-05	0.00092	1.4E-07	0.00124	3.72E-04	2.02E-05	0.001127	7.68E-08	1.52E-03	0.000328	1.56E-05	0.002427	7.93E-08	0.00277
3788	477863.09	3852377.25	0.16081	0.18826	0.19117	0.11729	2.93E-04	1.6E-05	0.00102	1.3E-07	0.00132	3.59E-04	1.96E-05	0.001242	7E-08	1.62E-03	0.000317	1.51E-05	0.002674	7.23E-08	0.003006
3789	478363.09	3852377.25	0.16848	0.19705	0.21414	0.11655	3.07E-04	1.7E-05	0.00114	1.2E-07	0.00146	3.76E-04	2.05E-05	0.001391	6.96E-08	1.79E-03	0.000332	1.58E-05	0.002996	7.19E-08	0.003343
3790	478863.09	3852377.25	0.24907	0.24727	0.26542	0.16858	4.54E-04	2.1E-05	0.00141	1.8E-07	0.00189	5.56E-04	2.58E-05	0.001724	1.01E-07	2.31E-03	0.000491	1.98E-05	0.003713	1.04E-07	0.004223
3791	479363.09	3852377.25	0.32026	0.3293	0.32669	0.20712	5.84E-04	2.8E-05	0.00174	2.2E-07	0.00235	7.15E-04	3.43E-05	0.002122	1.24E-07	2.87E-03	0.000631	2.64E-05	0.00457	1.28E-07	0.005227
3792	479863.09	3852377.25	0.34278	0.40302	0.33098	0.25837	6.25E-04	3.4E-05	0.00176	2.8E-07	0.00242	7.66E-04	4.2E-05	0.00215	1.54E-07	2.96E-03	0.000675	3.23E-05	0.00463	1.59E-07	0.005338
3793	480363.09	3852377.25	0.32012	0.33318	0.28833	0.28198	5.84E-04	2.8E-05	0.00153	3E-07	0.00214	7.15E-04	3.47E-05	0.001873	1.68E-07	2.62E-03	0.00063	2.67E-05	0.004033	1.74E-07	0.004691
3794	480863.09	3852377.25	0.32838	0.35906	0.30469	0.32301	5.99E-04	3.1E-05	0.00162	3.4E-07	0.00225	7.34E-04	3.74E-05	0.001979	1.93E-07	2.75E-03	0.000647	2.88E-05	0.004262	1.99E-07	0.004938
3795	481363.09	3852377.25	0.38303	0.407	0.32118	0.27138	6.98E-04	3.5E-05	0.00171	2.9E-07	0.00244	8.56E-04	4.24E-05	0.002086	1.62E-07	2.98E-03	0.000754	3.26E-05	0.004493	1.67E-07	0.00528
3796	481863.09	3852377.25	0.45813	0.57375	0.45692	0.44709	8.35E-04	4.9E-05	0.00243	4.8E-07	0.00331	1.02E-03	5.98E-05	0.002968	2.67E-07	4.05E-03	0.000902	4.6E-05	0.006392	2.76E-07	0.00734
3797	482363.09	3852377.25	0.46742	0.51648	0.53295	0.46378	8.52E-04	4.4E-05	0.00283	4.9E-07	0.00373	1.04E-03	5.39E-05	0.003462	2.77E-07	4.56E-03	0.000921	4.14E-05	0.007455	2.86E-07	0.008418
3798	482863.09	3852377.25	0.42526	0.51648	0.4359	0.34843	7.75E-04	4.4E-05	0.00232	3.7E-07	0.00314	9.50E-04	5.39E-05	0.002831	2.08E-07	3.84E-03	0.000838	4.14E-05	0.006098	2.15E-07	0.006977
3799	483363.09	3852377.25	0.30438	0.34072	0.35321	0.15962	5.55E-04	2.9E-05	0.00188	1.7E-07	0.00246	6.80E-04	3.55E-05	0.002294	9.53E-08	3.01E-03	0.000599	2.73E-05	0.004941	9.84E-08	0.005568
3800	483863.09	3852377.25	0.22717	0.30066	0.27496	0.11561	4.14E-04	2.6E-05	0.00146	1.2E-07	0.0019	5.07E-04	3.14E-05	0.001786	6.9E-08	2.32E-03	0.000447	2.41E-05	0.003846	7.13E-08	0.004318
3801	484363.09	3852377.25	0.23279	0.34136	0.26931	0.11739	4.24E-04	2.9E-05	0.00143	1.3E-07	0.00188	5.20E-04	3.56E-05	0.001749	7.01E-08	2.30E-03	0.000458	2.74E-05	0.003767	7.24E-08	0.004253
3802	484863.09	3852377.25	0.21114	0.27629	0.27115	0.11107	3.85E-04	2.4E-05	0.00144	1.2E-07	0.00185	4.72E-04	2.88E-05	0.001761	6.63E-08	2.26E-03	0.000416	2.22E-05	0.003793	6.85E-08	0.004231
3803	485363.09	3852377.25	0.2064	0.30864	0.24203	0.10682	3.76E-04	2.6E-05	0.00129	1.1E-07	0.00169	4.61E-04	3.22E-05	0.001572	6.38E-08	2.07E-03	0.000406	2.48E-05	0.003386	6.59E-08	0.003817
3804	485863.09	3852377.25	0.16404	0.2751	0.19622	0.08745	2.99E-04	2.3E-05	0.00104	9.3E-08	0.00137	3.66E-04	2.87E-05	0.001275	5.22E-08	1.67E-03	0.000323	2.21E-05	0.002745	5.39E-08	0.00309
3805	486363.09	3852377.25	0.13025	0.25407	0.14628	0.06831	2.37E-04	2.2E-05	0.00078	7.3E-08	0.00104	2.91E-04	2.65E-05	0.00095	4.08E-08	1.27E-03	0.000257	2.04E-05	0.002046	4.21E-08	0.002323
3806	486863.09	3852377.25	0.10473	0.19	0.11753	0.05889	1.91E-04	1.6E-05	0.00062	6.3E-08	0.00083	2.34E-04	1.98E-05	0.000763	3.51E-08	1.02E-03	0.000206	1.52E-05	0.001644	3.63E-08	0.001866
3807	487363.09	3852377.25	0.0817	0.1518	0.09271	0.04813	1.49E-04	1.3E-05	0.00049	5.1E-08	0.00065	1.82E-04	1.58E-05	0.000602	2.87E-08	8.01E-04	0.000161	1.22E-05	0.001297	2.97E-08	0.00147
3808	487863.09	3852377.25	0.07158	0.11832	0.07488	0.0429	1.30E-04	1E-05	0.0004	4.6E-08	0.00054	1.60E-04	1.23E-05	0.000486	2.56E-08	6.59E-04	0.000141	9.49E-06	0.001047	2.65E-08	0.001198
3809	488363.09	3852377.25	0.06715	0.11327	0.06097	0.038	1.22E-04	9.6E-06	0.00032	4.1E-08	0.00046	1.50E-04	1.18E-05	0.000396	2.27E-08	5.58E-04	0.000132	9.09E-06	0.000853	2.34E-08	0.000994
3810	488863.09	3852377.25	0.06029	0.10835	0.05882	0.03629	1.10E-04	9.2E-06	0.00031	3.9E-08	0.00043	1.35E-04	1.13E-05	0.000382	2.17E-08	5.28E-04	0.000119	8.69E-06	0.000823	2.24E-08	0.00095
3811	489363.09	3852377.25	0.05754	0.09549	0.05704	0.03439	1.05E-04	8.1E-06	0.0003	3.7E-08	0.00042	1.29E-04	9.96E-06	0.00037	2.05E-08	5.09E-04	0.000113	7.66E-06	0.000798	2.12E-08	0.000919
3812	489863.09	3852377.25	0.05306	0.08765	0.05224	0.03407	9.67E-05	7.5E-06	0.00028	3.6E-08	0.00038	1.19E-04	9.14E-06	0.000339	2.03E-08	4.67E-04	0.000104	7.03E-06	0.000731	2.1E-08	0.000842
3813	490363.09	3852377.25	0.06024	0.09371	0.0634	0.03717	1.10E-04	8E-06	0.00034	4E-08	0.00045	1.35E-04	9.77E-06	0.000412	2.22E-08	5.56E-04	0.000119	7.52E-06	0.000887	2.29E-08	0.001013
3814	490863.09	3852377.25	0.06496	0.10464	0.06977	0.04009	1.18E-04	8.9E-06	0.00037	4.3E-08	0.0005	1.45E-04	1.09E-05	0.000453	2.39E-08	6.09E-04	0.000128	8.39E-06	0.000976	2.47E-08	0.001112
3815	491363.09	3852377.25	0.07571	0.12036	0.08376	0.04877	1.38E-04	1E-05	0.00045	5.2E-08	0.00059	1.69E-04	1.26E-05	0.000544	2.91E-08	7.26E-04	0.000149	9.66E-06	0.001172	3.01E-08	0.001331
3816	491863.09	3852377.25	0.07733	0.123	0.08526	0.05233	1.41E-04	1E-05	0.00045	5.6E-08	0.0006	1.73E-04	1.28E-05	0.000554	3.12E-08	7.39E-04	0.000152	9.87E-06	0.001193	3.23E-08	0.001355
3817	492363.09	3852377.25	0.07738	0.11722	0.08324	0.05388	1.41E-04	1E-05	0.00044	5.7E-08	0.00059	1.73E-04	1.22E-05	0.000541	3.22E-08	7.26E-04	0.000152	9.4E-06	0.001164	3.32E-08	0.001326
3818	492863.09	3852377.25	0.0837	0.1232	0.08979	0.05867	1.53E-04	1E-05	0.00048	6.3E-08	0.00064	1.87E-04	1.28E-05	0.000583	3.5E-08	7.83E-04	0.000165	9.88E-06	0.001256	3.62E-08	0.001431
3819	493363.09	3852377.25	0.09626	0.13329	0.10457	0.06283	1.75E-04	1.1E-05	0.00056	6.7E-08	0.00074	2.15E-04	1.39E-05	0.000679	3.75E-08	9.08E-04	0.00019	1.07E-05	0.001463	3.87E-08	0.001663
3820	493863.09	3852377.25	0.09472	0.12855	0.10119	0.06176	1.73E-04	1.1E-05	0.00054	6.6E-08	0.00072	2.12E-04	1.34E-05	0.000657	3.69E-08	8.82E-04	0.000187	1.03E-05	0.001416	3.81E-08	0.001612
3821	494363.09	3852377.25	0.08866	0.12573	0.10003	0.06164	1.62E-04	1.1E-05	0.00053	6.6E-08	0.0007	1.98E-04	1.31E-05	0.00065	3.68E-08	8.61E-04	0.000175	1.01E-05	0.001399	3.8E-08	0.001584
3822	494863.09	3852377.25	0.09232	0.13328	0.10714	0.06313	1.68E-04	1.1E-05	0.00057	6.7E-08	0.00075	2.06E-04	1.39E-05	0.000696	3.77E-08	9.16E-04	0.000182	1.07E-05	0.001499	3.89E-08	0.001691
3823	495363.09	3852377.25	0.09837	0.13816	0.11483	0.06886	1.79E-04	1.2E-05	0.00061	7.3E-08	0.0008	2.20E-04	1.44E-05	0.000746	4.11E-08	9.80E-04	0.000194	1.11E-05	0.001606	4.25E-08	0.001811
3824	495863.09	3852377.25	0.09022	0.12615	0.10761	0.06749	1.64E-04	1.1E-05	0.00057	7.2E-08	0.00075	2.02E-04	1.32E-05	0.000699	4.03E-08	9.14E-04	0.000178	1.01E-05	0.001505	4.16E-08	0.001693
3825	496363.09	3852377.25	0.08497	0.11353	0.10103	0.06393	1.55E-04	9.7E-06	0.00054	6.8E-08	0.0007	1.90E-04	1.18E-05	0.000656	3.82E-08	8.58E-04	0.000167	9.11E-06	0.001413	3.94E-08	0.00159
3826	496863.09	3852377.25	0.08243	0.11145	0.09536	0.06323	1.50E-04	9.5E-06	0.00051	6.7E-08	0.00067	1.84E-04	1.16E-05	0.000619	3.77E-08	8.15E-04	0.000162	8.94E-06	0.001334	3.9E-08	0.001505
3827	497363.09	3852377.25	0.07376	0.09416	0.08396	0.05819	1.34E-04	8E-06	0.00045	6.2E-08	0.00059	1.65E-04	9.82E-06	0.000545	3.47E-08	7.20E-04	0.000145	7.55E-06	0.001175	3.59E-08	0.001327
3828	497863.09	3852377.25	0.06633	0.084	0.07585	0.05383	1.21E-04	7.1E-06	0.0004	5.7E-08	0.00053	1.48E-04	8.76E-06	0.000493	3.21E-08	6.50E-04	0.000131	6.74E-06	0.001061	3.32E-08	0.001198
3829	498363.09	3852377.25	0.05967	0.07398	0.06818	0.04999	1.09E-04	6.3E-06	0.00036	5.3E-08	0.00048	1.33E-04	7.71E-06	0.000443	2.98E-08	5.84E-04	0.000118	5.93E-06	0.000954	3.08E-08	0.001077
3830	471363.09	3852877.25	0.06973	0.08328	0.0872	0.05084	1.27E-04	7.1E-06	0.00046	5.4E-08	0.0006	1.56E-04	8.68E-06	0.000566	3.03E-08	7.31E-04	0.000137	6.68E-06	0.00122	3.13E-08	0.001364
3831	471863.09	3852877.25	0.07988	0.09527	0.09661	0.05803	1.46E-04	8.1E-06	0.00051	6.2E-08	0.00067	1.78E-04	9.93E-06	0.000628	3.46E-08	8.16E-04	0.000157	7.64E-06	0.001351	3.58E-08	0.001516
3832	472363.09	3852877.25	0.08837	0.11745	0.10642	0.06245	1.61E-04	1E-05	0.00057	6.7E-08	0.00074	1.97E-04	1.22E-05	0.000691	3.73E-08	9.01E-04	0.000174	9.42E-06	0.001489	3.85E-08	0.001672
3833	472863.09	3852877.25	0.09476	0.14123	0.1129	0.0664	1.73E-04	1.2E-05	0.0006	7.1E-08	0.00078	2.12E-04	1.47E-05	0.000733	3.96E-08	9.60E-04	0.000187	1.13E-05	0.001579	4.09E-08	0.001777
3834	473363.09	3852877.25	0.10623	0.15998	0.12074	0.07246	1.94E-04	1.4E-05	0.00064	7.7E-08	0.00085	2.37E-04	1.67E-05	0.000784	4.32E-08	1.04E-03	0.000209	1.28E-05	0.001689	4.47E-08	0.001911
3835	473863.09	3852877.25	0.11979	0.17076	0.13373	0.08162	2.18E-04	1.5E-05	0.00071	8.7E-08	0.00094	2.68E-04	1.78E-05	0.000869	4.87E-08	1.15E-03	0.000236	1.37E-05	0.001871	5.03E-08	0.00212
3836	474363.09	3852877.25	0.1323	0.16972	0.14643	0.09268	2.41E-04	1.4E-05	0.00078	9.9E-08	0.00103	2.96E-04	1.77E-05	0.000951	5.53E-08	1.26E-03	0.000261	1.36E-05	0.002048	5.71E-08	0.002323
3837	474863.09	3852877.25	0.12767	0.16375	0.1419	0.08268	2.33E-04	1.4E-05	0.00075	8.8E-08	0.001	2.85E-04	1.71E-05	0.000922	4.93E-08	1.22E-03	0.000251	1.31E-05	0.001985	5.1E-08	0.00225
3838	475363.09	3852877.25	0.14507	0.17741	0.15789	0.09614	2.64E-04	1.5E-05	0.00084	1E-07	0.00112	3.24E-04	1.85E-05	0.001026	5.74E-08	1.37E-03	0.000286	1.42E-05	0.002209	5.93E-08	0.002509
3839	475863.09	3852877.25	0.1454	0.17041	0.168	0.10189	2.65E-04	1.5E-05	0.00089	1.1E-07	0.00117	3.25E-04	1.78E-05	0.001091	6.08E-08	1.43E-03	0.000286	1.37E-05	0.00235	6.28E-08	0.00265

3840	476363.09	3852877.25	0.14321	0.16547	0.16676	0.09167	2.61E-04	1.4E-05	0.00089	9.8E-08	0.00116	3.20E-04	1.73E-05	0.001083	5.47E-08	1.42E-03	0.000282	1.33E-05	0.002333	5.65E-08	0.002628
3841	476863.09	3852877.25	0.12411	0.15449	0.15676	0.08281	2.26E-04	1.3E-05	0.00083	8.8E-08	0.00107	2.77E-04	1.61E-05	0.001018	4.94E-08	1.31E-03	0.000244	1.24E-05	0.002193	5.11E-08	0.00245
3842	477363.09	3852877.25	0.11472	0.14671	0.13519	0.07434	2.09E-04	1.2E-05	0.00072	7.9E-08	0.00094	2.56E-04	1.53E-05	0.000878	4.44E-08	1.15E-03	0.000226	1.18E-05	0.001891	4.58E-08	0.002129
3843	477863.09	3852877.25	0.10144	0.13612	0.11803	0.06773	1.85E-04	1.2E-05	0.00063	7.2E-08	0.00082	2.27E-04	1.42E-05	0.000767	4.04E-08	1.01E-03	0.0002	1.09E-05	0.001651	4.18E-08	0.001862
3844	478363.09	3852877.25	0.07644	0.10167	0.08987	0.05688	1.39E-04	8.7E-06	0.00048	6.1E-08	0.00063	1.71E-04	1.06E-05	0.000584	3.39E-08	7.65E-04	0.000151	8.16E-06	0.001257	3.51E-08	0.001416
3845	478863.09	3852877.25	0.09385	0.12345	0.11296	0.07084	1.71E-04	1.1E-05	0.0006	7.6E-08	0.00078	2.10E-04	1.29E-05	0.000734	4.23E-08	9.56E-04	0.000185	9.9E-06	0.00158	4.37E-08	0.001775
3846	479363.09	3852877.25	0.15485	0.18023	0.20289	0.1004	2.82E-04	1.5E-05	0.00108	1.1E-07	0.00138	3.46E-04	1.88E-05	0.001318	5.99E-08	1.68E-03	0.000305	1.45E-05	0.002838	6.19E-08	0.003158
3847	479863.09	3852877.25	0.33216	0.35384	0.35278	0.21463	6.05E-04	3E-05	0.00187	2.3E-07	0.00251	7.42E-04	3.69E-05	0.002291	1.28E-07	3.07E-03	0.000654	2.84E-05	0.004935	1.32E-07	0.005618
3848	480363.09	3852877.25	0.42253	0.47729	0.42867	0.34968	7.70E-04	4.1E-05	0.00228	3.7E-07	0.00309	9.44E-04	4.98E-05	0.002784	2.09E-07	3.78E-03	0.000832	3.83E-05	0.005997	2.16E-07	0.006867
3849	480863.09	3852877.25	0.44103	0.49671	0.38999	0.31967	8.04E-04	4.2E-05	0.00207	3.4E-07	0.00292	9.85E-04	5.18E-05	0.002533	1.91E-07	3.57E-03	0.000869	3.98E-05	0.005456	1.97E-07	0.006364
3850	481363.09	3852877.25	0.4292	0.47998	0.38262	0.35694	7.82E-04	4.1E-05	0.00203	3.8E-07	0.00286	9.59E-04	5.01E-05	0.002485	2.13E-07	3.49E-03	0.000845	3.85E-05	0.005352	2.2E-07	0.006236
3851	481863.09	3852877.25	0.53287	0.56805	0.41625	0.36726	9.71E-04	4.8E-05	0.00221	3.9E-07	0.00323	1.19E-03	5.92E-05	0.002704	2.19E-07	3.95E-03	0.001049	4.56E-05	0.005823	2.26E-07	0.006918
3852	482363.09	3852877.25	0.56057	0.70215	0.56269	0.56674	1.02E-03	6E-05	0.00299	6E-07	0.00407	1.25E-03	7.32E-05	0.003655	3.38E-07	4.98E-03	0.001104	5.63E-05	0.007871	3.49E-07	0.009032
3853	482863.09	3852877.25	0.59044	0.64682	0.63212	0.60189	1.08E-03	5.5E-05	0.00336	6.4E-07	0.00449	1.32E-03	6.74E-05	0.004106	3.59E-07	5.49E-03	0.001163	5.19E-05	0.008843	3.71E-07	0.010058
3854	483363.09	3852877.25	0.46354	0.59064	0.51346	0.37252	8.45E-04	5E-05	0.00273	4E-07	0.00362	1.04E-03	6.16E-05	0.003335	2.22E-07	4.43E-03	0.000913	4.74E-05	0.007183	2.3E-07	0.008143
3855	483863.09	3852877.25	0.33927	0.49922	0.40014	0.16798	6.18E-04	4.2E-05	0.00213	1.8E-07	0.00279	7.58E-04	5.21E-05	0.002599	1E-07	3.41E-03	0.000668	4E-05	0.005598	1.04E-07	0.006306
3856	484363.09	3852877.25	0.36004	0.5027	0.40096	0.17189	6.56E-04	4.3E-05	0.00213	1.8E-07	0.00283	8.04E-04	5.24E-05	0.002604	1.03E-07	3.46E-03	0.000709	4.03E-05	0.005609	1.06E-07	0.006359
3857	484863.09	3852877.25	0.29772	0.4611	0.35964	0.16408	5.43E-04	3.9E-05	0.00191	1.8E-07	0.00249	6.65E-04	4.81E-05	0.002336	9.79E-08	3.05E-03	0.000586	3.7E-05	0.005031	1.01E-07	0.005654
3858	485363.09	3852877.25	0.20579	0.30904	0.2246	0.09881	3.75E-04	2.6E-05	0.00119	1.1E-07	0.00159	4.60E-04	3.22E-05	0.001459	5.9E-08	1.95E-03	0.000405	2.48E-05	0.003142	6.09E-08	0.003572
3859	485863.09	3852877.25	0.15424	0.25544	0.16949	0.08599	2.81E-04	2.2E-05	0.0009	9.2E-08	0.0012	3.45E-04	2.66E-05	0.001101	5.13E-08	1.47E-03	0.000304	2.05E-05	0.002371	5.3E-08	0.002695
3860	486363.09	3852877.25	0.11941	0.19692	0.13001	0.06553	2.18E-04	1.7E-05	0.00069	7E-08	0.00093	2.67E-04	2.05E-05	0.000844	3.91E-08	1.13E-03	0.000235	1.58E-05	0.001819	4.04E-08	0.00207
3861	486863.09	3852877.25	0.09996	0.16959	0.10497	0.05783	1.82E-04	1.4E-05	0.00056	6.2E-08	0.00075	2.23E-04	1.77E-05	0.000682	3.45E-08	9.23E-04	0.000197	1.36E-05	0.001468	3.57E-08	0.001679
3862	487363.09	3852877.25	0.09009	0.15128	0.08251	0.04885	1.64E-04	1.3E-05	0.00044	5.2E-08	0.00062	2.01E-04	1.58E-05	0.000536	2.92E-08	7.53E-04	0.000177	1.21E-05	0.001154	3.01E-08	0.001344
3863	487863.09	3852877.25	0.08463	0.15231	0.08142	0.04514	1.54E-04	1.3E-05	0.00043	4.8E-08	0.0006	1.89E-04	1.59E-05	0.000529	2.69E-08	7.34E-04	0.000167	1.22E-05	0.001139	2.78E-08	0.001318
3864	488363.09	3852877.25	0.06163	0.10922	0.05674	0.03555	1.12E-04	9.3E-06	0.0003	3.8E-08	0.00042	1.38E-04	1.14E-05	0.000369	2.12E-08	5.18E-04	0.000121	8.76E-06	0.000794	2.19E-08	0.000924
3865	488863.09	3852877.25	0.06584	0.11825	0.06391	0.03964	1.20E-04	1E-05	0.00034	4.2E-08	0.00047	1.47E-04	1.23E-05	0.000415	2.37E-08	5.75E-04	0.00013	9.49E-06	0.000894	2.44E-08	0.001033
3866	489363.09	3852877.25	0.06838	0.11509	0.07057	0.04198	1.25E-04	9.8E-06	0.00037	4.5E-08	0.00051	1.53E-04	1.2E-05	0.000458	2.51E-08	6.23E-04	0.000135	9.23E-06	0.000987	2.59E-08	0.001131
3867	489863.09	3852877.25	0.06887	0.11687	0.07568	0.04305	1.26E-04	9.9E-06	0.0004	4.6E-08	0.00054	1.54E-04	1.22E-05	0.000492	2.57E-08	6.58E-04	0.000136	9.38E-06	0.001059	2.65E-08	0.001204
3868	490363.09	3852877.25	0.09	0.15658	0.09759	0.05655	1.64E-04	1.3E-05	0.00052	6E-08	0.0007	2.01E-04	1.63E-05	0.000634	3.38E-08	8.51E-04	0.000177	1.26E-05	0.001365	3.49E-08	0.001555
3869	490863.09	3852877.25	0.10041	0.16292	0.10979	0.06195	1.83E-04	1.4E-05	0.00058	6.6E-08	0.00078	2.24E-04	1.7E-05	0.000713	3.7E-08	9.54E-04	0.000198	1.31E-05	0.001536	3.82E-08	0.001747
3870	491363.09	3852877.25	0.11179	0.16528	0.12107	0.07024	2.04E-04	1.4E-05	0.00064	7.5E-08	0.00086	2.50E-04	1.72E-05	0.000786	4.19E-08	1.05E-03	0.00022	1.33E-05	0.001694	4.33E-08	0.001927
3871	491863.09	3852877.25	0.11494	0.16585	0.12181	0.0705	2.10E-04	1.4E-05	0.00065	7.5E-08	0.00087	2.57E-04	1.73E-05	0.000791	4.21E-08	1.07E-03	0.000226	1.33E-05	0.001704	4.35E-08	0.001944
3872	492363.09	3852877.25	0.11925	0.1699	0.12624	0.07229	2.17E-04	1.4E-05	0.00067	7.7E-08	0.0009	2.66E-04	1.77E-05	0.00082	4.31E-08	1.10E-03	0.000235	1.36E-05	0.001766	4.46E-08	0.002015
3873	492863.09	3852877.25	0.12951	0.18197	0.14239	0.07723	2.36E-04	1.5E-05	0.00076	8.2E-08	0.00101	2.89E-04	1.9E-05	0.000925	4.61E-08	1.23E-03	0.000255	1.46E-05	0.001992	4.76E-08	0.002262
3874	493363.09	3852877.25	0.1344	0.19279	0.15117	0.08021	2.45E-04	1.6E-05	0.0008	8.6E-08	0.00106	3.00E-04	2.01E-05	0.000982	4.79E-08	1.30E-03	0.000265	1.55E-05	0.002115	4.95E-08	0.002395
3875	493863.09	3852877.25	0.127	0.17277	0.15072	0.08049	2.31E-04	1.5E-05	0.0008	8.6E-08	0.00105	2.84E-04	1.8E-05	0.000979	4.8E-08	1.28E-03	0.00025	1.39E-05	0.002108	4.96E-08	0.002372
3876	494363.09	3852877.25	0.12504	0.1831	0.14356	0.08241	2.28E-04	1.6E-05	0.00076	8.8E-08	0.00101	2.79E-04	1.91E-05	0.000932	4.92E-08	1.23E-03	0.000246	1.47E-05	0.002008	5.08E-08	0.002269
3877	494863.09	3852877.25	0.12992	0.17725	0.14375	0.08525	2.37E-04	1.5E-05	0.00076	9.1E-08	0.00102	2.90E-04	1.85E-05	0.000934	5.09E-08	1.24E-03	0.000256	1.42E-05	0.002011	5.26E-08	0.002281
3878	495363.09	3852877.25	0.12158	0.15172	0.13109	0.08021	2.22E-04	1.3E-05	0.0007	8.6E-08	0.00093	2.72E-04	1.58E-05	0.000851	4.79E-08	1.14E-03	0.000239	1.22E-05	0.001834	4.95E-08	0.002085
3879	495863.09	3852877.25	0.11209	0.14138	0.11992	0.07479	2.04E-04	1.2E-05	0.00064	8E-08	0.00085	2.50E-04	1.47E-05	0.000779	4.46E-08	1.04E-03	0.000221	1.13E-05	0.001678	4.61E-08	0.00191
3880	496363.09	3852877.25	0.10749	0.13709	0.11691	0.07562	1.96E-04	1.2E-05	0.00062	8.1E-08	0.00083	2.40E-04	1.43E-05	0.000759	4.51E-08	1.01E-03	0.000212	1.1E-05	0.001635	4.66E-08	0.001858
3881	496863.09	3852877.25	0.09821	0.12562	0.1109	0.07412	1.79E-04	1.1E-05	0.00059	7.9E-08	0.00078	2.19E-04	1.31E-05	0.00072	4.42E-08	9.53E-04	0.000193	1.01E-05	0.001551	4.57E-08	0.001755
3882	497363.09	3852877.25	0.08282	0.10568	0.09338	0.06676	1.51E-04	9E-06	0.0005	7.1E-08	0.00066	1.85E-04	1.1E-05	0.000607	3.98E-08	8.03E-04	0.000163	8.48E-06	0.001306	4.12E-08	0.001478
3883	497863.09	3852877.25	0.06021	0.07293	0.07152	0.05413	1.10E-04	6.2E-06	0.00038	5.8E-08	0.0005	1.34E-04	7.6E-06	0.000465	3.23E-08	6.07E-04	0.000119	5.85E-06	0.001	3.34E-08	0.001125
3884	498363.09	3852877.25	0.0559	0.06668	0.06786	0.05185	1.02E-04	5.7E-06	0.00036	5.5E-08	0.00047	1.25E-04	6.95E-06	0.000441	3.09E-08	5.73E-04	0.00011	5.35E-06	0.000949	3.2E-08	0.001065
3885	471363.09	3853377.25	0.07657	0.09217	0.09398	0.05128	1.40E-04	7.8E-06	0.0005	5.5E-08	0.00065	1.71E-04	9.61E-06	0.00061	3.06E-08	7.91E-04	0.000151	7.39E-06	0.001315	3.16E-08	0.001473
3886	471863.09	3853377.25	0.08335	0.10232	0.09709	0.05525	1.52E-04	8.7E-06	0.00052	5.9E-08	0.00068	1.86E-04	1.07E-05	0.000631	3.3E-08	8.28E-04	0.000164	8.21E-06	0.001358	3.41E-08	0.001531
3887	472363.09	3853377.25	0.08966	0.11219	0.10373	0.06108	1.63E-04	9.5E-06	0.00055	6.5E-08	0.00072	2.00E-04	1.17E-05	0.000674	3.65E-08	8.86E-04	0.000177	9E-06	0.001451	3.77E-08	0.001637
3888	472863.09	3853377.25	0.09678	0.12425	0.113	0.07001	1.76E-04	1.1E-05	0.0006	7.5E-08	0.00079	2.16E-04	1.3E-05	0.000734	4.18E-08	9.63E-04	0.000191	9.97E-06	0.001581	4.32E-08	0.001781
3889	473363.09	3853377.25	0.10091	0.1262	0.12041	0.07151	1.84E-04	1.1E-05	0.00064	7.6E-08	0.00083	2.25E-04	1.32E-05	0.000782	4.27E-08	1.02E-03	0.000199	1.01E-05	0.001684	4.41E-08	0.001893
3890	473863.09	3853377.25	0.10911	0.13589	0.12558	0.07446	1.99E-04	1.2E-05	0.00067	7.9E-08	0.00088	2.44E-04	1.42E-05	0.000816	4.44E-08	1.07E-03	0.000215	1.09E-05	0.001757	4.59E-08	0.001983
3891	474363.09	3853377.25	0.11636	0.14776	0.13171	0.08089	2.12E-04	1.3E-05	0.0007	8.6E-08	0.00092	2.60E-04	1.54E-05	0.000855	4.83E-08	1.13E-03	0.000229	1.19E-05	0.001842	4.99E-08	0.002084
3892	474863.09	3853377.25	0.11943	0.1664	0.13044	0.07267	2.18E-04	1.4E-05	0.00069	7.8E-08	0.00092	2.67E-04	1.74E-05	0.000847	4.34E-08	1.13E-03	0.000235	1.33E-05	0.001825	4.48E-08	0.002073
3893	475363.09	3853377.25	0.12313	0.1743	0.14349	0.07524	2.24E-04	1.5E-05	0.00076	8E-08	0.001	2.75E-04	1.82E-05	0.000932	4.49E-08	1.23E-03	0.000243	1.4E-05	0.002007	4.64E-08	0.002264
3894	475863.09	3853377.25	0.1264	0.17292	0.14639	0.07672	2.30E-04	1.5E-05	0.00078	8.2E-08	0.00102	2.82E-04	1.8E-05	0.000951	4.58E-08	1.25E-03	0.000249	1.39E-05	0.002048	4.73E-08	0.002311
3895	476363.09	3853377.25	0.11564	0.15717	0.13386	0.06874	2.11E-04	1.3E-05	0.00071	7.3E-08	0.00094	2.58E-04	1.64E-05	0.000869	4.1E-08	1.14E-03	0.000228	1.26E-05	0.001873	4.24E-08	0.002113
3896	476863.09	3853377.25	0.09125	0.12391	0.10771	0.06117	1.66E-04	1.1E-05	0.00057	6.5E-08	0.00075	2.04E-04	1.29E-05	0.0007	3.65E-08	9.16E-04	0.00018	9.94E-06	0.001507	3.77E-08	0.001696
3897	477363.09	3853377.25	0.09017	0.11269	0.10072	0.06313	1.64E-04	9.6E-06	0.00054	6.7E-08	0.00071	2.01E-04	1.18E-05	0.000654	3.77E-08	8.67E-04	0.000178	9.04E-06	0.001409	3.89E-08	0.001596
3898	477863.09	3853377.25	0.08955	0.11665	0.09923	0.06644	1.63E-04	9.9E-06	0.00053	7.1E-08	0.0007	2.00E-04	1.22E-05	0.000645	3.97E-08	8.57E-04	0.000176	9.36E-06	0.001388	4.1E-08	0.001574
3899	478363.09	3853377.25	0.07657	0.09437	0.08972	0.05629	1.40E-04	8E-06	0.00048	6E-08	0.00062	1.71E-04	9.84E-06	0.000583	3.36E-08	7.64E-04	0.000151	7.57E-06	0.001255	3.47E-08	0.001413
3900	478863.09	3853377.25	0.05961	0.07296	0.0672	0.0483	1.09E-04	6.2E-06	0.00036	5.2E-08	0.00047	1.33E-04	7.61E-06	0.000436	2.88E-08	5.77E-04	0.000117	5.85E-06	0.00094	2.98E-08	0.001063

3901	479363.09	3853377.25	0.10825	0.1481	0.1237	0.07327	1.97E-04	1.3E-05	0.00066	7.8E-08	0.00087	2.42E-04	1.54E-05	0.000803	4.37E-08	1.06E-03	0.000213	1.19E-05	0.00173	4.52E-08	0.001956
3902	479863.09	3853377.25	0.19422	0.25819	0.22234	0.11218	3.54E-04	2.2E-05	0.00118	1.2E-07	0.00156	4.34E-04	2.69E-05	0.001444	6.7E-08	1.90E-03	0.000383	2.07E-05	0.00311	6.92E-08	0.003514
3903	480363.09	3853377.25	0.34814	0.41067	0.41461	0.23049	6.35E-04	3.5E-05	0.0022	2.5E-07	0.00287	7.78E-04	4.28E-05	0.002693	1.38E-07	3.51E-03	0.000686	3.29E-05	0.0058	1.42E-07	0.006519
3904	480863.09	3853377.25	0.43454	0.49963	0.46907	0.25894	7.92E-04	4.3E-05	0.00249	2.8E-07	0.00333	9.71E-04	5.21E-05	0.003047	1.55E-07	4.07E-03	0.000856	4.01E-05	0.006562	1.6E-07	0.007458
3905	481363.09	3853377.25	0.5977	0.67374	0.55667	0.40162	1.09E-03	5.7E-05	0.00296	4.3E-07	0.0041	1.34E-03	7.03E-05	0.003616	2.4E-07	5.02E-03	0.001177	5.4E-05	0.007787	2.48E-07	0.009019
3906	481863.09	3853377.25	0.61028	0.64853	0.48587	0.45714	1.11E-03	5.5E-05	0.00258	4.9E-07	0.00375	1.36E-03	6.76E-05	0.003156	2.73E-07	4.59E-03	0.001202	5.2E-05	0.006797	2.82E-07	0.008051
3907	482363.09	3853377.25	0.77378	0.77172	0.55172	0.47776	1.41E-03	6.6E-05	0.00293	5.1E-07	0.00441	1.73E-03	8.05E-05	0.003584	2.85E-07	5.39E-03	0.001524	6.19E-05	0.007718	2.95E-07	0.009304
3908	482863.09	3853377.25	0.8251	0.95985	0.73052	0.71299	1.50E-03	8.2E-05	0.00388	7.6E-07	0.00547	1.84E-03	0.0001	0.004745	4.26E-07	6.69E-03	0.001625	7.7E-05	0.010219	4.4E-07	0.011922
3909	483363.09	3853377.25	0.7757	0.87052	0.8139	0.66613	1.41E-03	7.4E-05	0.00432	7.1E-07	0.00581	1.73E-03	9.08E-05	0.005287	3.98E-07	7.11E-03	0.001528	6.98E-05	0.011386	4.11E-07	0.012984
3910	483863.09	3853377.25	0.59646	0.78813	0.63505	0.36479	1.09E-03	6.7E-05	0.00337	3.9E-07	0.00453	1.33E-03	8.22E-05	0.004125	2.18E-07	5.54E-03	0.001175	6.32E-05	0.008884	2.25E-07	0.010122
3911	484363.09	3853377.25	0.54086	0.77404	0.5958	0.28419	9.86E-04	6.6E-05	0.00317	3E-07	0.00422	1.21E-03	8.07E-05	0.00387	1.7E-07	5.16E-03	0.001065	6.21E-05	0.008335	1.75E-07	0.009462
3912	484863.09	3853377.25	0.37771	0.59999	0.41629	0.16449	6.88E-04	5.1E-05	0.00221	1.8E-07	0.00295	8.44E-04	6.26E-05	0.002704	9.82E-08	3.61E-03	0.000744	4.81E-05	0.005823	1.01E-07	0.006616
3913	485363.09	3853377.25	0.19668	0.26527	0.20581	0.10009	3.59E-04	2.3E-05	0.00109	1.1E-07	0.00147	4.39E-04	2.77E-05	0.001337	5.97E-08	1.80E-03	0.000387	2.13E-05	0.002879	6.17E-08	0.003288
3914	485863.09	3853377.25	0.11815	0.17932	0.12023	0.07458	2.15E-04	1.5E-05	0.00064	8E-08	0.00087	2.64E-04	1.87E-05	0.000781	4.45E-08	1.06E-03	0.000233	1.44E-05	0.001682	4.6E-08	0.001929
3915	486363.09	3853377.25	0.11755	0.19374	0.11405	0.06635	2.14E-04	1.6E-05	0.00061	7.1E-08	0.00084	2.63E-04	2.02E-05	0.000741	3.96E-08	1.02E-03	0.000232	1.55E-05	0.001595	4.09E-08	0.001843
3916	486863.09	3853377.25	0.12156	0.20853	0.09855	0.06303	2.22E-04	1.8E-05	0.00052	6.7E-08	0.00076	2.72E-04	2.17E-05	0.00064	3.76E-08	9.33E-04	0.000239	1.67E-05	0.001379	3.89E-08	0.001635
3917	487363.09	3853377.25	0.13411	0.2478	0.12387	0.05996	2.44E-04	2.1E-05	0.00066	6.4E-08	0.00092	3.00E-04	2.58E-05	0.000805	3.58E-08	1.13E-03	0.000264	1.99E-05	0.001733	3.7E-08	0.002017
3918	487863.09	3853377.25	0.13445	0.24786	0.12915	0.06045	2.45E-04	2.1E-05	0.00069	6.4E-08	0.00095	3.00E-04	2.58E-05	0.000839	3.61E-08	1.17E-03	0.000265	1.99E-05	0.001807	3.73E-08	0.002091
3919	488363.09	3853377.25	0.14305	0.25319	0.1402	0.06942	2.61E-04	2.2E-05	0.00074	7.4E-08	0.00103	3.20E-04	2.64E-05	0.000911	4.14E-08	1.26E-03	0.000282	2.03E-05	0.001961	4.28E-08	0.002263
3920	488863.09	3853377.25	0.14232	0.2373	0.14313	0.07225	2.59E-04	2E-05	0.00076	7.7E-08	0.00104	3.18E-04	2.47E-05	0.00093	4.31E-08	1.27E-03	0.00028	1.9E-05	0.002002	4.45E-08	0.002302
3921	489363.09	3853377.25	0.14515	0.24554	0.14688	0.07602	2.65E-04	2.1E-05	0.00078	8.1E-08	0.00107	3.24E-04	2.56E-05	0.000954	4.54E-08	1.30E-03	0.000286	1.97E-05	0.002055	4.69E-08	0.00236
3922	489863.09	3853377.25	0.13987	0.23487	0.14542	0.07771	2.55E-04	2E-05	0.00077	8.3E-08	0.00105	3.12E-04	2.45E-05	0.000945	4.64E-08	1.28E-03	0.000275	1.88E-05	0.002034	4.79E-08	0.002329
3923	490363.09	3853377.25	0.15379	0.24141	0.15582	0.08395	2.80E-04	2.1E-05	0.00083	9E-08	0.00113	3.44E-04	2.52E-05	0.001012	5.01E-08	1.38E-03	0.000303	1.94E-05	0.00218	5.18E-08	0.002502
3924	490863.09	3853377.25	0.15857	0.23749	0.1685	0.08757	2.89E-04	2E-05	0.0009	9.3E-08	0.0012	3.54E-04	2.48E-05	0.001094	5.23E-08	1.47E-03	0.000312	1.91E-05	0.002357	5.4E-08	0.002689
3925	491363.09	3853377.25	0.16252	0.23803	0.17993	0.09014	2.96E-04	2E-05	0.00096	9.6E-08	0.00127	3.63E-04	2.48E-05	0.001169	5.38E-08	1.56E-03	0.00032	1.91E-05	0.002517	5.56E-08	0.002856
3926	491863.09	3853377.25	0.16733	0.23723	0.18365	0.09277	3.05E-04	2E-05	0.00098	9.9E-08	0.0013	3.74E-04	2.47E-05	0.001193	5.54E-08	1.59E-03	0.00033	1.9E-05	0.002569	5.72E-08	0.002918
3927	492363.09	3853377.25	0.17765	0.25081	0.19399	0.09881	3.24E-04	2.1E-05	0.00103	1.1E-07	0.00138	3.97E-04	2.62E-05	0.00126	5.9E-08	1.68E-03	0.00035	2.01E-05	0.002714	6.09E-08	0.003084
3928	492863.09	3853377.25	0.18774	0.26473	0.20574	0.10878	3.42E-04	2.3E-05	0.00109	1.2E-07	0.00146	4.19E-04	2.76E-05	0.001336	6.49E-08	1.78E-03	0.00037	2.12E-05	0.002878	6.71E-08	0.003269
3929	493363.09	3853377.25	0.18777	0.25808	0.20536	0.10999	3.42E-04	2.2E-05	0.00109	1.2E-07	0.00146	4.19E-04	2.69E-05	0.001334	6.56E-08	1.78E-03	0.00037	2.07E-05	0.002873	6.78E-08	0.003263
3930	493863.09	3853377.25	0.18344	0.24963	0.2053	0.10976	3.34E-04	2.1E-05	0.00109	1.2E-07	0.00145	4.10E-04	2.6E-05	0.001333	6.55E-08	1.77E-03	0.000361	2E-05	0.002872	6.77E-08	0.003253
3931	494363.09	3853377.25	0.1733	0.21781	0.19375	0.10481	3.16E-04	1.9E-05	0.00103	1.1E-07	0.00136	3.87E-04	2.27E-05	0.001258	6.26E-08	1.67E-03	0.000341	1.75E-05	0.00271	6.46E-08	0.003069
3932	494863.09	3853377.25	0.15978	0.1919	0.17844	0.10121	2.91E-04	1.6E-05	0.00095	1.1E-07	0.00126	3.57E-04	2E-05	0.001159	6.04E-08	1.54E-03	0.000315	1.54E-05	0.002496	6.24E-08	0.002826
3933	495363.09	3853377.25	0.15185	0.18557	0.16904	0.09949	2.77E-04	1.6E-05	0.0009	1.1E-07	0.00119	3.39E-04	1.94E-05	0.001098	5.94E-08	1.46E-03	0.000299	1.49E-05	0.002365	6.13E-08	0.002679
3934	495863.09	3853377.25	0.13994	0.17109	0.15488	0.096	2.55E-04	1.5E-05	0.00082	1E-07	0.00109	3.13E-04	1.78E-05	0.001006	5.73E-08	1.34E-03	0.000276	1.37E-05	0.002167	5.92E-08	0.002456
3935	496363.09	3853377.25	0.12153	0.14758	0.13733	0.0887	2.22E-04	1.3E-05	0.00073	9.5E-08	0.00096	2.71E-04	1.54E-05	0.000892	5.29E-08	1.18E-03	0.000239	1.18E-05	0.001921	5.47E-08	0.002172
3936	496863.09	3853377.25	0.10202	0.12193	0.11747	0.08131	1.86E-04	1E-05	0.00062	8.7E-08	0.00082	2.28E-04	1.27E-05	0.000763	4.85E-08	1.00E-03	0.000201	9.78E-06	0.001643	5.01E-08	0.001854
3937	497363.09	3853377.25	0.08118	0.09654	0.09596	0.06977	1.48E-04	8.2E-06	0.00051	7.4E-08	0.00067	1.81E-04	1.01E-05	0.000623	4.16E-08	8.15E-04	0.00016	7.74E-06	0.001342	4.3E-08	0.00151
3938	497863.09	3853377.25	0.05304	0.06032	0.06362	0.05158	9.67E-05	5.1E-06	0.00034	5.5E-08	0.00044	1.18E-04	6.29E-06	0.000413	3.08E-08	5.38E-04	0.000104	4.84E-06	0.00089	3.18E-08	0.000999
3939	498363.09	3853377.25	0.04173	0.04831	0.05014	0.04197	7.61E-05	4.1E-06	0.00027	4.5E-08	0.00035	9.32E-05	5.04E-06	0.000326	2.5E-08	4.24E-04	8.22E-05	3.88E-06	0.000701	2.59E-08	0.000787
3940	471363.09	3853877.25	0.07327	0.09471	0.09383	0.05341	1.34E-04	8.1E-06	0.0005	5.7E-08	0.00064	1.64E-04	9.88E-06	0.000609	3.19E-08	7.83E-04	0.000144	7.6E-06	0.001313	3.29E-08	0.001465
3941	471863.09	3853877.25	0.08141	0.11146	0.10244	0.05902	1.48E-04	9.5E-06	0.00054	6.3E-08	0.0007	1.82E-04	1.16E-05	0.000665	3.52E-08	8.59E-04	0.00016	8.94E-06	0.001433	3.64E-08	0.001602
3942	472363.09	3853877.25	0.08634	0.10608	0.11029	0.06149	1.57E-04	9E-06	0.00059	6.6E-08	0.00075	1.93E-04	1.11E-05	0.000716	3.67E-08	9.20E-04	0.00017	8.51E-06	0.001543	3.79E-08	0.001721
3943	472863.09	3853877.25	0.09289	0.11111	0.12318	0.0664	1.69E-04	9.5E-06	0.00065	7.1E-08	0.00083	2.07E-04	1.16E-05	0.0008	3.96E-08	1.02E-03	0.000183	8.91E-06	0.001723	4.09E-08	0.001915
3944	473363.09	3853877.25	0.09809	0.12188	0.12665	0.06653	1.79E-04	1E-05	0.00067	7.1E-08	0.00086	2.19E-04	1.27E-05	0.000823	3.97E-08	1.05E-03	0.000193	9.78E-06	0.001772	4.1E-08	0.001975
3945	473863.09	3853877.25	0.10259	0.12592	0.13103	0.06795	1.87E-04	1.1E-05	0.0007	7.2E-08	0.00089	2.29E-04	1.31E-05	0.000851	4.06E-08	1.09E-03	0.000202	1.01E-05	0.001833	4.19E-08	0.002045
3946	474363.09	3853877.25	0.10988	0.12972	0.13354	0.07308	2.00E-04	1.1E-05	0.00071	7.8E-08	0.00092	2.45E-04	1.35E-05	0.000867	4.36E-08	1.13E-03	0.000216	1.04E-05	0.001868	4.51E-08	0.002095
3947	474863.09	3853877.25	0.11611	0.14639	0.13811	0.07522	2.12E-04	1.2E-05	0.00073	8E-08	0.00096	2.59E-04	1.53E-05	0.000897	4.49E-08	1.17E-03	0.000229	1.17E-05	0.001932	4.64E-08	0.002172
3948	475363.09	3853877.25	0.10851	0.14265	0.12963	0.07379	1.98E-04	1.2E-05	0.00069	7.9E-08	0.0009	2.42E-04	1.49E-05	0.000842	4.4E-08	1.10E-03	0.000214	1.14E-05	0.001813	4.55E-08	0.002039
3949	475863.09	3853877.25	0.09595	0.13562	0.10706	0.05892	1.75E-04	1.2E-05	0.00057	6.3E-08	0.00076	2.14E-04	1.41E-05	0.000695	3.52E-08	9.24E-04	0.000189	1.09E-05	0.001498	3.63E-08	0.001698
3950	476363.09	3853877.25	0.07307	0.10228	0.08282	0.05286	1.33E-04	8.7E-06	0.00044	5.6E-08	0.00058	1.63E-04	1.07E-05	0.000538	3.15E-08	7.12E-04	0.000144	8.2E-06	0.001159	3.26E-08	0.001311
3951	476863.09	3853877.25	0.0546	0.07635	0.06284	0.04445	9.95E-05	6.5E-06	0.00033	4.7E-08	0.00044	1.22E-04	7.96E-06	0.000408	2.65E-08	5.38E-04	0.000108	6.12E-06	0.000879	2.74E-08	0.000993
3952	477363.09	3853877.25	0.06031	0.08576	0.07155	0.04815	1.10E-04	7.3E-06	0.00038	5.1E-08	0.0005	1.35E-04	8.94E-06	0.000465	2.87E-08	6.08E-04	0.000119	6.88E-06	0.001001	2.97E-08	0.001127
3953	477863.09	3853877.25	0.07221	0.0957	0.08652	0.05266	1.32E-04	8.1E-06	0.00046	5.6E-08	0.0006	1.61E-04	9.98E-06	0.000562	3.14E-08	7.33E-04	0.000142	7.68E-06	0.00121	3.25E-08	0.00136
3954	478363.09	3853877.25	0.07915	0.10411	0.09102	0.05885	1.44E-04	8.9E-06	0.00048	6.3E-08	0.00064	1.77E-04	1.09E-05	0.000591	3.51E-08	7.79E-04	0.000156	8.35E-06	0.001273	3.63E-08	0.001438
3955	478863.09	3853877.25	0.05477	0.06851	0.05879	0.04725	9.98E-05	5.8E-06	0.00031	5E-08	0.00042	1.22E-04	7.14E-06	0.000382	2.82E-08	5.11E-04	0.000108	5.5E-06	0.000822	2.91E-08	0.000936
3956	479363.09	3853877.25	0.07804	0.09551	0.08793	0.05887	1.42E-04	8.1E-06	0.00047	6.3E-08	0.00062	1.74E-04	9.96E-06	0.000571	3.51E-08	7.55E-04	0.000154	7.66E-06	0.00123	3.63E-08	0.001391
3957	479863.09	3853877.25	0.182	0.23432	0.1807	0.10144	3.32E-04	2E-05	0.00096	1.1E-07	0.00131	4.07E-04	2.44E-05	0.001174	6.05E-08	1.60E-03	0.000358	1.88E-05	0.002528	6.25E-08	0.002905
3958	480363.09	3853877.25	0.287	0.37609	0.30978	0.14001	5.23E-04	3.2E-05	0.00165	1.5E-07	0.0022	6.41E-04	3.92E-05	0.002012	8.36E-08	2.69E-03	0.000565	3.02E-05	0.004334	8.63E-08	0.004929
3959	480863.09	3853877.25	0.4432	0.65437	0.42355	0.27381	8.08E-04	5.6E-05	0.00225	2.9E-07	0.00311	9.90E-04	6.82E-05	0.002751	1.63E-07	3.81E-03	0.000873	5.25E-05	0.005925	1.69E-07	0.006851
3960	481363.09	3853877.25	0.52676	0.6743	0.53467	0.40316	9.60E-04	5.7E-05	0.00284	4.3E-07	0.00386	1.18E-03	7.03E-05	0.003473	2.41E-07	4.72E-03	0.001037	5.41E-05	0.007479	2.49E-07	0.008571
3961	481863.09	3853877.25	0.66082	0.73499	0.63493	0.59373	1.20E-03	6.3E-05	0.00337	6.3E-07	0.00464	1.48E-03	7.66E-05	0.004124	3.54E-07	5.68E-03	0.001301	5.9E-05	0.008882	3.66E-07	0.010243

3962	482363.09	3853877.25	0.99013	0.99275	0.71798	0.59291	1.80E-03	8.4E-05	0.00381	6.3E-07	0.0057	2.21E-03	0.000104	0.004663	3.54E-07	6.98E-03	0.00195	7.96E-05	0.010044	3.66E-07	0.012074
3963	482863.09	3853877.25	2.9885	1.1348	0.73972	0.62719	5.45E-03	9.7E-05	0.00393	6.7E-07	0.00948	6.68E-03	0.000118	0.004805	3.74E-07	1.16E-02	0.005886	9.1E-05	0.010348	3.87E-07	0.016325
3964	483363.09	3853877.25	1.39308	1.62788	1.0929	0.77039	2.54E-03	0.00014	0.00581	8.2E-07	0.00849	3.11E-03	0.00017	0.007099	4.6E-07	1.04E-02	0.002744	0.000131	0.015289	4.75E-07	0.018163
3965	483863.09	3853877.25	1.14134	1.32756	1.10319	0.72683	2.08E-03	0.00011	0.00586	7.8E-07	0.00806	2.55E-03	0.000138	0.007166	4.34E-07	9.85E-03	0.002248	0.000106	0.015433	4.48E-07	0.017787
3966	484363.09	3853877.25	0.78091	1.10761	0.79812	0.31236	1.42E-03	9.4E-05	0.00424	3.3E-07	0.00576	1.74E-03	0.000115	0.005184	1.86E-07	7.04E-03	0.001538	8.89E-05	0.011165	1.93E-07	0.012792
3967	484863.09	3853877.25	0.4304	0.59036	0.42249	0.17175	7.85E-04	5E-05	0.00224	1.8E-07	0.00308	9.61E-04	6.16E-05	0.002744	1.03E-07	3.77E-03	0.000848	4.74E-05	0.00591	1.06E-07	0.006805
3968	485363.09	3853877.25	0.19952	0.26938	0.1907	0.10944	3.64E-04	2.3E-05	0.00101	1.2E-07	0.0014	4.46E-04	2.81E-05	0.001239	6.53E-08	1.71E-03	0.000393	2.16E-05	0.002668	6.75E-08	0.003082
3969	485863.09	3853877.25	0.22109	0.36528	0.2008	0.1013	4.03E-04	3.1E-05	0.00107	1.1E-07	0.0015	4.94E-04	3.81E-05	0.001304	6.05E-08	1.84E-03	0.000435	2.93E-05	0.002809	6.25E-08	0.003274
3970	486363.09	3853877.25	0.21653	0.40599	0.18836	0.08955	3.95E-04	3.5E-05	0.001	9.6E-08	0.00143	4.84E-04	4.23E-05	0.001223	5.34E-08	1.75E-03	0.000426	3.26E-05	0.002635	5.52E-08	0.003094
3971	486863.09	3853877.25	0.1995	0.39214	0.18305	0.07994	3.64E-04	3.3E-05	0.00097	8.5E-08	0.00137	4.46E-04	4.09E-05	0.001189	4.77E-08	1.68E-03	0.000393	3.15E-05	0.002561	4.93E-08	0.002985
3972	487363.09	3853877.25	0.20804	0.39137	0.19015	0.08889	3.79E-04	3.3E-05	0.00101	9.5E-08	0.00142	4.65E-04	4.08E-05	0.001235	5.31E-08	1.74E-03	0.00041	3.14E-05	0.00266	5.48E-08	0.003101
3973	487863.09	3853877.25	0.25813	0.45023	0.23821	0.10244	4.71E-04	3.8E-05	0.00127	1.1E-07	0.00177	5.77E-04	4.69E-05	0.001547	6.11E-08	2.17E-03	0.000508	3.61E-05	0.003332	6.32E-08	0.003877
3974	488363.09	3853877.25	0.26745	0.46368	0.24832	0.10937	4.88E-04	3.9E-05	0.00132	1.2E-07	0.00185	5.97E-04	4.84E-05	0.001613	6.53E-08	2.26E-03	0.000527	3.72E-05	0.003474	6.74E-08	0.004038
3975	488863.09	3853877.25	0.29053	0.48657	0.29262	0.11818	5.30E-04	4.1E-05	0.00155	1.3E-07	0.00213	6.49E-04	5.07E-05	0.001901	7.05E-08	2.60E-03	0.000572	3.9E-05	0.004093	7.29E-08	0.004705
3976	489363.09	3853877.25	0.26063	0.40736	0.26759	0.11608	4.75E-04	3.5E-05	0.00142	1.2E-07	0.00193	5.82E-04	4.25E-05	0.001738	6.93E-08	2.36E-03	0.000513	3.27E-05	0.003743	7.16E-08	0.004289
3977	489863.09	3853877.25	0.25894	0.41115	0.27946	0.1185	4.72E-04	3.5E-05	0.00148	1.3E-07	0.00199	5.78E-04	4.29E-05	0.001815	7.07E-08	2.44E-03	0.00051	3.3E-05	0.003909	7.31E-08	0.004452
3978	490363.09	3853877.25	0.25241	0.38676	0.2719	0.11896	4.60E-04	3.3E-05	0.00144	1.3E-07	0.00194	5.64E-04	4.03E-05	0.001766	7.1E-08	2.37E-03	0.000497	3.1E-05	0.003804	7.33E-08	0.004332
3979	490863.09	3853877.25	0.25655	0.35616	0.27496	0.12799	4.68E-04	3E-05	0.00146	1.4E-07	0.00196	5.73E-04	3.71E-05	0.001786	7.64E-08	2.40E-03	0.000505	2.86E-05	0.003846	7.89E-08	0.00438
3980	491363.09	3853877.25	0.25778	0.35458	0.27421	0.1342	4.70E-04	3E-05	0.00146	1.4E-07	0.00196	5.76E-04	3.7E-05	0.001781	8.01E-08	2.39E-03	0.000508	2.84E-05	0.003836	8.27E-08	0.004372
3981	491863.09	3853877.25	0.2571	0.35064	0.28165	0.13751	4.69E-04	3E-05	0.0015	1.5E-07	0.002	5.74E-04	3.66E-05	0.001829	8.21E-08	2.44E-03	0.000506	2.81E-05	0.00394	8.48E-08	0.004475
3982	492363.09	3853877.25	0.26485	0.37019	0.30654	0.14606	4.83E-04	3.2E-05	0.00163	1.6E-07	0.00214	5.92E-04	3.86E-05	0.001991	8.72E-08	2.62E-03	0.000522	2.97E-05	0.004288	9.01E-08	0.00484
3983	492863.09	3853877.25	0.26536	0.35453	0.29845	0.15184	4.84E-04	3E-05	0.00159	1.6E-07	0.0021	5.93E-04	3.7E-05	0.001939	9.06E-08	2.57E-03	0.000523	2.84E-05	0.004175	9.36E-08	0.004726
3984	493363.09	3853877.25	0.25241	0.34042	0.28998	0.14986	4.60E-04	2.9E-05	0.00154	1.6E-07	0.00203	5.64E-04	3.55E-05	0.001884	8.94E-08	2.48E-03	0.000497	2.73E-05	0.004057	9.24E-08	0.004581
3985	493863.09	3853877.25	0.23972	0.30012	0.27848	0.14294	4.37E-04	2.6E-05	0.00148	1.5E-07	0.00194	5.35E-04	3.13E-05	0.001809	8.53E-08	2.38E-03	0.000472	2.41E-05	0.003896	8.81E-08	0.004392
3986	494363.09	3853877.25	0.22504	0.29086	0.26278	0.14174	4.10E-04	2.5E-05	0.0014	1.5E-07	0.00183	5.03E-04	3.03E-05	0.001707	8.46E-08	2.24E-03	0.000443	2.33E-05	0.003676	8.74E-08	0.004143
3987	494863.09	3853877.25	0.20295	0.24531	0.24093	0.1326	3.70E-04	2.1E-05	0.00128	1.4E-07	0.00167	4.53E-04	2.56E-05	0.001565	7.91E-08	2.04E-03	0.0004	1.97E-05	0.00337	8.18E-08	0.00379
3988	495363.09	3853877.25	0.16341	0.19643	0.19018	0.11375	2.98E-04	1.7E-05	0.00101	1.2E-07	0.00133	3.65E-04	2.05E-05	0.001235	6.79E-08	1.62E-03	0.000322	1.58E-05	0.00266	7.01E-08	0.002998
3989	495863.09	3853877.25	0.13686	0.16221	0.16033	0.10345	2.49E-04	1.4E-05	0.00085	1.1E-07	0.00112	3.06E-04	1.69E-05	0.001041	6.17E-08	1.36E-03	0.00027	1.3E-05	0.002243	6.38E-08	0.002525
3990	496363.09	3853877.25	0.1235	0.14367	0.14332	0.09637	2.25E-04	1.2E-05	0.00076	1E-07	0.001	2.76E-04	1.5E-05	0.000931	5.75E-08	1.22E-03	0.000243	1.15E-05	0.002005	5.94E-08	0.00226
3991	496863.09	3853877.25	0.09866	0.11677	0.11855	0.08367	1.80E-04	9.9E-06	0.00063	8.9E-08	0.00082	2.20E-04	1.22E-05	0.00077	4.99E-08	1.00E-03	0.000194	9.37E-06	0.001658	5.16E-08	0.001862
3992	497363.09	3853877.25	0.08286	0.09906	0.09881	0.07281	1.51E-04	8.4E-06	0.00052	7.8E-08	0.00068	1.85E-04	1.03E-05	0.000642	4.35E-08	8.37E-04	0.000163	7.95E-06	0.001382	4.49E-08	0.001553
3993	497863.09	3853877.25	0.06352	0.07494	0.07732	0.06116	1.16E-04	6.4E-06	0.00041	6.5E-08	0.00053	1.42E-04	7.81E-06	0.000502	3.65E-08	6.52E-04	0.000125	6.01E-06	0.001082	3.77E-08	0.001213
3994	498363.09	3853877.25	0.05333	0.06386	0.06407	0.05389	9.72E-05	5.4E-06	0.00034	5.7E-08	0.00044	1.19E-04	6.66E-06	0.000416	3.22E-08	5.42E-04	0.000105	5.12E-06	0.000896	3.32E-08	0.001006
3995	471363.09	3854377.25	0.07417	0.1077	0.08899	0.05396	1.35E-04	9.2E-06	0.00047	5.8E-08	0.00062	1.66E-04	1.12E-05	0.000578	3.22E-08	7.55E-04	0.000146	8.64E-06	0.001245	3.33E-08	0.0014
3996	471863.09	3854377.25	0.08072	0.11866	0.09717	0.05981	1.47E-04	1E-05	0.00052	6.4E-08	0.00067	1.80E-04	1.24E-05	0.000631	3.57E-08	8.24E-04	0.000159	9.52E-06	0.001359	3.69E-08	0.001528
3997	472363.09	3854377.25	0.08554	0.13532	0.1038	0.06243	1.56E-04	1.2E-05	0.00055	6.7E-08	0.00072	1.91E-04	1.41E-05	0.000674	3.73E-08	8.79E-04	0.000168	1.09E-05	0.001452	3.85E-08	0.001631
3998	472863.09	3854377.25	0.08895	0.13978	0.10959	0.06341	1.62E-04	1.2E-05	0.00058	6.8E-08	0.00076	1.99E-04	1.46E-05	0.000712	3.78E-08	9.25E-04	0.000175	1.12E-05	0.001533	3.91E-08	0.001719
3999	473363.09	3854377.25	0.09575	0.14851	0.11721	0.06585	1.75E-04	1.3E-05	0.00062	7E-08	0.00081	2.14E-04	1.55E-05	0.000761	3.93E-08	9.91E-04	0.000189	1.19E-05	0.00164	4.06E-08	0.00184
4000	473863.09	3854377.25	0.10163	0.16499	0.12469	0.07005	1.85E-04	1.4E-05	0.00066	7.5E-08	0.00086	2.27E-04	1.72E-05	0.00081	4.18E-08	1.05E-03	0.0002	1.32E-05	0.001744	4.32E-08	0.001958
4001	474363.09	3854377.25	0.10665	0.1615	0.13277	0.07514	1.94E-04	1.4E-05	0.00071	8E-08	0.00091	2.38E-04	1.68E-05	0.000862	4.48E-08	1.12E-03	0.00021	1.3E-05	0.001857	4.63E-08	0.00208
4002	474863.09	3854377.25	0.10318	0.16005	0.13132	0.07165	1.88E-04	1.4E-05	0.0007	7.6E-08	0.0009	2.30E-04	1.67E-05	0.000853	4.28E-08	1.10E-03	0.000203	1.28E-05	0.001837	4.42E-08	0.002053
4003	475363.09	3854377.25	0.09163	0.13197	0.10906	0.05929	1.67E-04	1.1E-05	0.00058	6.3E-08	0.00076	2.05E-04	1.38E-05	0.000708	3.54E-08	9.27E-04	0.00018	1.06E-05	0.001526	3.66E-08	0.001717
4004	475863.09	3854377.25	0.06144	0.07983	0.06614	0.04527	1.12E-04	6.8E-06	0.00035	4.8E-08	0.00047	1.37E-04	8.32E-06	0.00043	2.7E-08	5.75E-04	0.000121	6.4E-06	0.000925	2.79E-08	0.001053
4005	476363.09	3854377.25	0.05069	0.07002	0.05888	0.04321	9.24E-05	6E-06	0.00031	4.6E-08	0.00041	1.13E-04	7.3E-06	0.000382	2.58E-08	5.03E-04	9.98E-05	5.62E-06	0.000824	2.66E-08	0.000929
4006	476863.09	3854377.25	0.0496	0.07002	0.05603	0.04225	9.04E-05	6E-06	0.0003	4.5E-08	0.00039	1.11E-04	7.3E-06	0.000364	2.52E-08	4.82E-04	9.77E-05	5.62E-06	0.000784	2.61E-08	0.000887
4007	477363.09	3854377.25	0.04942	0.07205	0.05541	0.04515	9.01E-05	6.1E-06	0.00029	4.8E-08	0.00039	1.10E-04	7.51E-06	0.00036	2.69E-08	4.78E-04	9.73E-05	5.78E-06	0.000775	2.78E-08	0.000878
4008	477863.09	3854377.25	0.05211	0.07187	0.05705	0.04555	9.50E-05	6.1E-06	0.0003	4.9E-08	0.0004	1.16E-04	7.49E-06	0.000371	2.72E-08	4.94E-04	0.000103	5.77E-06	0.000798	2.81E-08	0.000906
4009	478363.09	3854377.25	0.06084	0.08438	0.0688	0.04929	1.11E-04	7.2E-06	0.00037	5.3E-08	0.00048	1.36E-04	8.8E-06	0.000447	2.94E-08	5.92E-04	0.00012	6.77E-06	0.000962	3.04E-08	0.001089
4010	478863.09	3854377.25	0.06611	0.09592	0.07674	0.0533	1.21E-04	8.2E-06	0.00041	5.7E-08	0.00054	1.48E-04	1E-05	0.000498	3.18E-08	6.56E-04	0.00013	7.69E-06	0.001074	3.29E-08	0.001211
4011	479363.09	3854377.25	0.11021	0.15486	0.13054	0.07573	2.01E-04	1.3E-05	0.00069	8.1E-08	0.00091	2.46E-04	1.61E-05	0.000848	4.52E-08	1.11E-03	0.000217	1.24E-05	0.001826	4.67E-08	0.002056
4012	479863.09	3854377.25	0.16138	0.21635	0.19047	0.09426	2.94E-04	1.8E-05	0.00101	1E-07	0.00132	3.60E-04	2.26E-05	0.001237	5.63E-08	1.62E-03	0.000318	1.74E-05	0.002664	5.81E-08	0.003
4013	480363.09	3854377.25	0.27755	0.34437	0.29081	0.12713	5.06E-04	2.9E-05	0.00155	1.4E-07	0.00208	6.20E-04	3.59E-05	0.001889	7.59E-08	2.54E-03	0.000547	2.76E-05	0.004068	7.84E-08	0.004642
4014	480863.09	3854377.25	0.44873	0.64457	0.45175	0.20137	8.18E-04	5.5E-05	0.0024	2.1E-07	0.00327	1.00E-03	6.72E-05	0.002934	1.2E-07	4.00E-03	0.000884	5.17E-05	0.00632	1.24E-07	0.007255
4015	481363.09	3854377.25	0.59988	0.86276	0.57446	0.31876	1.09E-03	7.3E-05	0.00305	3.4E-07	0.00422	1.34E-03	9E-05	0.003731	1.9E-07	5.16E-03	0.001181	6.92E-05	0.008036	1.97E-07	0.009287
4016	481863.09	3854377.25	0.73493	0.90963	0.59607	0.52817	1.34E-03	7.7E-05	0.00317	5.6E-07	0.00458	1.64E-03	9.49E-05	0.003872	3.15E-07	5.61E-03	0.001447	7.3E-05	0.008338	3.26E-07	0.009859
4017	482363.09	3854377.25	0.9667	1.16196	0.71896	0.66818	1.76E-03	9.9E-05	0.00382	7.1E-07	0.00568	2.16E-03	0.000121	0.00467	3.99E-07	6.95E-03	0.001904	9.32E-05	0.010058	4.12E-07	0.012055
4018	482863.09	3854377.25	1.75019	1.46383	1.01667	0.84301	3.19E-03	0.00012	0.0054	9E-07	0.00872	3.91E-03	0.000153	0.006604	5.03E-07	1.07E-02	0.003447	0.000117	0.014222	5.2E-07	0.017787
4019	483363.09	3854377.25	2.54653	2.49234	1.28366	0.79742	4.64E-03	0.00021	0.00682	8.5E-07	0.01168	5.69E-03	0.00026	0.008338	4.76E-07	1.43E-02	0.005015	0.0002	0.017957	4.92E-07	0.023173
4020	483863.09	3854377.25	2.13751	2.89076	1.84299	0.6304	3.90E-03	0.00025	0.00979	6.7E-07	0.01394	4.77E-03	0.000301	0.011971	3.76E-07	1.70E-02	0.00421	0.000232	0.025782	3.89E-07	0.030224
4021	484363.09	3854377.25	1.04565	1.15304	1.04341	0.34822	1.91E-03	9.8E-05	0.00554	3.7E-07	0.00755	2.34E-03	0.00012	0.006777	2.08E-07	9.23E-03	0.002059	9.25E-05	0.014596	2.15E-07	0.016748
4022	484863.09	3854377.25	0.44067	0.58625	0.42813	0.19937	8.03E-04	5E-05	0.00227	2.1E-07	0.00313	9.84E-04	6.11E-05	0.002781	1.19E-07	3.83E-03	0.000868	4.7E-05	0.005989	1.23E-07	0.006904

4023	485363.09	3854377.25	0.5683	1.02521	0.45886	0.20264	1.04E-03	8.7E-05	0.00244	2.2E-07	0.00356	1.27E-03	0.000107	0.00298	1.21E-07	4.36E-03	0.001119	8.22E-05	0.006419	1.25E-07	0.007621
4024	485863.09	3854377.25	0.41467	0.81113	0.33236	0.14468	7.56E-04	6.9E-05	0.00177	1.5E-07	0.00259	9.26E-04	8.46E-05	0.002159	8.64E-08	3.17E-03	0.000817	6.51E-05	0.004649	8.92E-08	0.005531
4025	486363.09	3854377.25	0.44907	0.92558	0.38127	0.13224	8.19E-04	7.9E-05	0.00203	1.4E-07	0.00292	1.00E-03	9.65E-05	0.002476	7.89E-08	3.58E-03	0.000884	7.42E-05	0.005334	8.15E-08	0.006292
4026	486863.09	3854377.25	0.39702	0.76619	0.35971	0.13974	7.24E-04	6.5E-05	0.00191	1.5E-07	0.0027	8.87E-04	7.99E-05	0.002336	8.34E-08	3.30E-03	0.000782	6.15E-05	0.005032	8.62E-08	0.005875
4027	487363.09	3854377.25	0.42515	0.81162	0.39237	0.15398	7.75E-04	6.9E-05	0.00208	1.6E-07	0.00293	9.50E-04	8.46E-05	0.002549	9.19E-08	3.58E-03	0.000837	6.51E-05	0.005489	9.49E-08	0.006391
4028	487863.09	3854377.25	0.46746	0.8355	0.44868	0.16507	8.52E-04	7.1E-05	0.00238	1.8E-07	0.00331	1.04E-03	8.71E-05	0.002914	9.85E-08	4.05E-03	0.000921	6.7E-05	0.006277	1.02E-07	0.007264
4029	488363.09	3854377.25	0.46996	0.78998	0.47784	0.17305	8.57E-04	6.7E-05	0.00254	1.8E-07	0.00346	1.05E-03	8.24E-05	0.003104	1.03E-07	4.24E-03	0.000926	6.34E-05	0.006685	1.07E-07	0.007674
4030	488863.09	3854377.25	0.47241	0.73583	0.4994	0.18621	8.61E-04	6.3E-05	0.00265	2E-07	0.00358	1.06E-03	7.67E-05	0.003244	1.11E-07	4.38E-03	0.00093	5.9E-05	0.006986	1.15E-07	0.007976
4031	489363.09	3854377.25	0.45641	0.65874	0.50629	0.19908	8.32E-04	5.6E-05	0.00269	2.1E-07	0.00358	1.02E-03	6.87E-05	0.003289	1.19E-07	4.38E-03	0.000899	5.28E-05	0.007082	1.23E-07	0.008034
4032	489863.09	3854377.25	0.43496	0.59233	0.495	0.20131	7.93E-04	5E-05	0.00263	2.1E-07	0.00347	9.72E-04	6.18E-05	0.003215	1.2E-07	4.25E-03	0.000857	4.75E-05	0.006925	1.24E-07	0.007829
4033	490363.09	3854377.25	0.40082	0.54453	0.46435	0.19926	7.31E-04	4.6E-05	0.00247	2.1E-07	0.00324	8.95E-04	5.68E-05	0.003016	1.19E-07	3.97E-03	0.000789	4.37E-05	0.006496	1.23E-07	0.007329
4034	490863.09	3854377.25	0.30358	0.38768	0.35201	0.16275	5.53E-04	3.3E-05	0.00187	1.7E-07	0.00246	6.78E-04	4.04E-05	0.002286	9.71E-08	3.01E-03	0.000598	3.11E-05	0.004924	1E-07	0.005553
4035	491363.09	3854377.25	0.33515	0.43965	0.3968	0.18527	6.11E-04	3.7E-05	0.00211	2E-07	0.00276	7.49E-04	4.58E-05	0.002577	1.11E-07	3.37E-03	0.00066	3.53E-05	0.005551	1.14E-07	0.006246
4036	491863.09	3854377.25	0.3563	0.49547	0.42551	0.20778	6.49E-04	4.2E-05	0.00226	2.2E-07	0.00295	7.96E-04	5.17E-05	0.002764	1.24E-07	3.61E-03	0.000702	3.97E-05	0.005952	1.28E-07	0.006694
4037	492363.09	3854377.25	0.35382	0.47193	0.42259	0.21829	6.45E-04	4E-05	0.00225	2.3E-07	0.00293	7.90E-04	4.92E-05	0.002745	1.3E-07	3.58E-03	0.000697	3.79E-05	0.005912	1.35E-07	0.006646
4038	492863.09	3854377.25	0.33275	0.43577	0.41017	0.2148	6.07E-04	3.7E-05	0.00218	2.3E-07	0.00282	7.43E-04	4.54E-05	0.002664	1.28E-07	3.45E-03	0.000655	3.5E-05	0.005738	1.32E-07	0.006428
4039	493363.09	3854377.25	0.31205	0.37978	0.37775	0.20183	5.69E-04	3.2E-05	0.00201	2.2E-07	0.00261	6.97E-04	3.96E-05	0.002454	1.2E-07	3.19E-03	0.000615	3.05E-05	0.005284	1.24E-07	0.00593
4040	493863.09	3854377.25	0.28769	0.34152	0.34429	0.1914	5.24E-04	2.9E-05	0.00183	2E-07	0.00238	6.43E-04	3.56E-05	0.002236	1.14E-07	2.91E-03	0.000567	2.74E-05	0.004816	1.18E-07	0.00541
4041	494363.09	3854377.25	0.26797	0.31032	0.3156	0.17997	4.88E-04	2.6E-05	0.00168	1.9E-07	0.00219	5.99E-04	3.24E-05	0.00205	1.07E-07	2.68E-03	0.000528	2.49E-05	0.004415	1.11E-07	0.004968
4042	494863.09	3854377.25	0.20371	0.23547	0.23871	0.14105	3.71E-04	2E-05	0.00127	1.5E-07	0.00166	4.55E-04	2.46E-05	0.00155	8.42E-08	2.03E-03	0.000401	1.89E-05	0.003339	8.7E-08	0.003759
4043	495363.09	3854377.25	0.14412	0.16945	0.17346	0.11433	2.63E-04	1.4E-05	0.00092	1.2E-07	0.0012	3.22E-04	1.77E-05	0.001127	6.82E-08	1.47E-03	0.000284	1.36E-05	0.002427	7.05E-08	0.002724
4044	495863.09	3854377.25	0.11544	0.1374	0.13959	0.09495	2.10E-04	1.2E-05	0.00074	1E-07	0.00096	2.58E-04	1.43E-05	0.000907	5.67E-08	1.18E-03	0.000227	1.1E-05	0.001953	5.85E-08	0.002191
4045	496363.09	3854377.25	0.10383	0.12164	0.12486	0.08769	1.89E-04	1E-05	0.00066	9.4E-08	0.00086	2.32E-04	1.27E-05	0.000811	5.23E-08	1.06E-03	0.000204	9.76E-06	0.001747	5.41E-08	0.001961
4046	496863.09	3854377.25	0.08846	0.10591	0.10644	0.07974	1.61E-04	9E-06	0.00057	8.5E-08	0.00074	1.98E-04	1.1E-05	0.000691	4.76E-08	9.00E-04	0.000174	8.5E-06	0.001489	4.92E-08	0.001672
4047	497363.09	3854377.25	0.06768	0.08395	0.08195	0.06581	1.23E-04	7.1E-06	0.00044	7E-08	0.00057	1.51E-04	8.75E-06	0.000532	3.93E-08	6.92E-04	0.000133	6.73E-06	0.001146	4.06E-08	0.001286
4048	497863.09	3854377.25	0.07031	0.08572	0.08443	0.06695	1.28E-04	7.3E-06	0.00045	7.1E-08	0.00058	1.57E-04	8.94E-06	0.000548	4E-08	7.14E-04	0.000138	6.88E-06	0.001181	4.13E-08	0.001326
4049	498363.09	3854377.25	0.05887	0.07318	0.07153	0.05905	1.07E-04	6.2E-06	0.00038	6.3E-08	0.00049	1.31E-04	7.63E-06	0.000465	3.52E-08	6.04E-04	0.000116	5.87E-06	0.001001	3.64E-08	0.001122
4050	471363.09	3854877.25	0.07743	0.10964	0.09269	0.05676	1.41E-04	9.3E-06	0.00049	6.1E-08	0.00064	1.73E-04	1.14E-05	0.000602	3.39E-08	7.86E-04	0.000152	8.8E-06	0.001297	3.5E-08	0.001458
4051	471863.09	3854877.25	0.08219	0.11311	0.09891	0.06132	1.50E-04	9.6E-06	0.00053	6.5E-08	0.00069	1.84E-04	1.18E-05	0.000642	3.66E-08	8.38E-04	0.000162	9.07E-06	0.001384	3.78E-08	0.001555
4052	472363.09	3854877.25	0.08653	0.12003	0.10477	0.06482	1.58E-04	1E-05	0.00056	6.9E-08	0.00072	1.93E-04	1.25E-05	0.000681	3.87E-08	8.86E-04	0.00017	9.63E-06	0.001466	4E-08	0.001646
4053	472863.09	3854877.25	0.08911	0.12592	0.10779	0.06489	1.62E-04	1.1E-05	0.00057	6.9E-08	0.00075	1.99E-04	1.31E-05	0.0007	3.87E-08	9.12E-04	0.000175	1.01E-05	0.001508	4E-08	0.001694
4054	473363.09	3854877.25	0.09721	0.13635	0.11744	0.07015	1.77E-04	1.2E-05	0.00062	7.5E-08	0.00081	2.17E-04	1.42E-05	0.000763	4.19E-08	9.94E-04	0.000191	1.09E-05	0.001643	4.33E-08	0.001845
4055	473863.09	3854877.25	0.1044	0.15367	0.12511	0.0735	1.90E-04	1.3E-05	0.00066	7.8E-08	0.00087	2.33E-04	1.6E-05	0.000813	4.39E-08	1.06E-03	0.000206	1.23E-05	0.00175	4.53E-08	0.001968
4056	474363.09	3854877.25	0.1137	0.17844	0.13646	0.07903	2.07E-04	1.5E-05	0.00073	8.4E-08	0.00095	2.54E-04	1.86E-05	0.000886	4.72E-08	1.16E-03	0.000224	1.43E-05	0.001909	4.87E-08	0.002147
4057	474863.09	3854877.25	0.09709	0.15563	0.11728	0.06675	1.77E-04	1.3E-05	0.00062	7.1E-08	0.00081	2.17E-04	1.62E-05	0.000762	3.98E-08	9.95E-04	0.000191	1.25E-05	0.001641	4.12E-08	0.001844
4058	475363.09	3854877.25	0.07311	0.1142	0.09062	0.05221	1.33E-04	9.7E-06	0.00048	5.6E-08	0.00062	1.63E-04	1.19E-05	0.000589	3.12E-08	7.64E-04	0.000144	9.16E-06	0.001268	3.22E-08	0.001421
4059	475863.09	3854877.25	0.05265	0.07552	0.06327	0.04203	9.60E-05	6.4E-06	0.00034	4.5E-08	0.00044	1.18E-04	7.88E-06	0.000411	2.51E-08	5.36E-04	0.000104	6.06E-06	0.000885	2.59E-08	0.000995
4060	476363.09	3854877.25	0.03427	0.04259	0.0391	0.03341	6.25E-05	3.6E-06	0.00021	3.6E-08	0.00027	7.65E-05	4.44E-06	0.000254	1.99E-08	3.35E-04	6.75E-05	3.42E-06	0.000547	2.06E-08	0.000618
4061	476863.09	3854877.25	0.03324	0.04268	0.0382	0.03469	6.06E-05	3.6E-06	0.0002	3.7E-08	0.00027	7.42E-05	4.45E-06	0.000248	2.07E-08	3.27E-04	6.55E-05	3.42E-06	0.000534	2.14E-08	0.000603
4062	477363.09	3854877.25	0.04128	0.05356	0.04595	0.04032	7.52E-05	4.6E-06	0.00024	4.3E-08	0.00032	9.22E-05	5.59E-06	0.000298	2.41E-08	3.96E-04	8.13E-05	4.3E-06	0.000643	2.49E-08	0.000728
4063	477863.09	3854877.25	0.04763	0.06121	0.05365	0.04486	8.68E-05	5.2E-06	0.00029	4.8E-08	0.00038	1.06E-04	6.38E-06	0.000348	2.68E-08	4.61E-04	9.38E-05	4.91E-06	0.000751	2.77E-08	0.000849
4064	478363.09	3854877.25	0.064	0.08971	0.07354	0.05377	1.17E-04	7.6E-06	0.00039	5.7E-08	0.00052	1.43E-04	9.35E-06	0.000478	3.21E-08	6.30E-04	0.000126	7.2E-06	0.001029	3.32E-08	0.001162
4065	478863.09	3854877.25	0.09593	0.13673	0.11038	0.06791	1.75E-04	1.2E-05	0.00059	7.2E-08	0.00077	2.14E-04	1.43E-05	0.000717	4.05E-08	9.46E-04	0.000189	1.1E-05	0.001544	4.19E-08	0.001744
4066	479363.09	3854877.25	0.14815	0.21836	0.17022	0.08863	2.70E-04	1.9E-05	0.0009	9.5E-08	0.00119	3.31E-04	2.28E-05	0.001106	5.29E-08	1.46E-03	0.000292	1.75E-05	0.002381	5.46E-08	0.002691
4067	479863.09	3854877.25	0.23018	0.33306	0.26116	0.12155	4.20E-04	2.8E-05	0.00139	1.3E-07	0.00184	5.14E-04	3.47E-05	0.001696	7.25E-08	2.25E-03	0.000453	2.67E-05	0.003653	7.49E-08	0.004133
4068	480363.09	3854877.25	0.30769	0.4541	0.35309	0.15736	5.61E-04	3.9E-05	0.00188	1.7E-07	0.00248	6.87E-04	4.74E-05	0.002293	9.39E-08	3.03E-03	0.000606	3.64E-05	0.004939	9.7E-08	0.005582
4069	480863.09	3854877.25	0.43943	0.66115	0.47848	0.26397	8.01E-04	5.6E-05	0.00254	2.8E-07	0.0034	9.82E-04	6.89E-05	0.003108	1.58E-07	4.16E-03	0.000865	5.3E-05	0.006693	1.63E-07	0.007612
4070	481363.09	3854877.25	0.53664	0.83406	0.59344	0.33474	9.78E-04	7.1E-05	0.00315	3.6E-07	0.0042	1.20E-03	8.7E-05	0.003855	2E-07	5.14E-03	0.001057	6.69E-05	0.008302	2.06E-07	0.009426
4071	481863.09	3854877.25	0.638	0.98631	0.67945	0.30505	1.16E-03	8.4E-05	0.00361	3.3E-07	0.00486	1.43E-03	0.000103	0.004413	1.82E-07	5.94E-03	0.001257	7.91E-05	0.009505	1.88E-07	0.010841
4072	482363.09	3854877.25	0.87331	1.19295	0.77451	0.7203	1.59E-03	0.0001	0.00412	7.7E-07	0.00581	1.95E-03	0.000124	0.005031	4.3E-07	7.11E-03	0.00172	9.57E-05	0.010835	4.44E-07	0.012651
4073	482863.09	3854877.25	1.24119	1.79721	1.01966	0.79075	2.26E-03	0.00015	0.00542	8.4E-07	0.00783	2.77E-03	0.000187	0.006623	4.72E-07	9.58E-03	0.002444	0.000144	0.014264	4.88E-07	0.016853
4074	483363.09	3854877.25	1.99361	3.16803	1.3348	1.0555	3.63E-03	0.00027	0.00709	1.1E-06	0.011	4.45E-03	0.00033	0.00867	6.3E-07	1.35E-02	0.003926	0.000254	0.018673	6.51E-07	0.022854
4075	483863.09	3854877.25	5.31498	13.35616	2.65921	1.02764	9.69E-03	0.00114	0.01413	1.1E-06	0.02495	1.19E-02	0.001393	0.017272	6.13E-07	3.05E-02	0.010468	0.001071	0.0372	6.34E-07	0.048739
4076	484363.09	3854877.25	9.89513	16.84464	5.45394	0.78648	1.80E-02	0.00143	0.02898	8.4E-07	0.04845	2.21E-02	0.001757	0.035425	4.69E-07	5.93E-02	0.019488	0.001351	0.076295	4.85E-07	0.097135
4077	484863.09	3854877.25	4.42809	8.45629	3.06809	0.56099	8.07E-03	0.00072	0.0163	6E-07	0.02509	9.89E-03	0.000882	0.019928	3.35E-07	3.07E-02	0.008721	0.000678	0.042919	3.46E-07	0.052319
4078	485363.09	3854877.25	2.23196	5.05474	1.8739	0.36489	4.07E-03	0.00043	0.00996	3.9E-07	0.01446	4.99E-03	0.000527	0.012172	2.18E-07	1.77E-02	0.004396	0.000405	0.026214	2.25E-07	0.031015
4079	485863.09	3854877.25	1.41618	2.98395	1.33462	0.30627	2.58E-03	0.00025	0.00709	3.3E-07	0.00993	3.16E-03	0.000311	0.008669	1.83E-07	1.21E-02	0.002789	0.000239	0.01867	1.89E-07	0.021699
4080	486363.09	3854877.25	1.00194	2.01536	1.01109	0.28688	1.83E-03	0.00017	0.00537	3.1E-07	0.00737	2.24E-03	0.00021	0.006567	1.71E-07	9.02E-03	0.001973	0.000162	0.014144	1.77E-07	0.016279
4081	486863.09	3854877.25	0.80958	1.52686	0.84944	0.27756	1.48E-03	0.00013	0.00451	3E-07	0.00612	1.81E-03	0.000159	0.005517	1.66E-07	7.49E-03	0.001594	0.000122	0.011883	1.71E-07	0.0136
4082	487363.09	3854877.25	0.79947	1.31934	0.87058	0.29078	1.46E-03	0.00011	0.00463	3.1E-07	0.0062	1.79E-03	0.000138	0.005655	1.74E-07	7.58E-03	0.001575	0.000106	0.012179	1.79E-07	0.013859
4083	487863.09	3854877.25	0.77742	1.17343	0.85065	0.29704	1.42E-03	1E-04	0.00452	3.2E-07	0.00604	1.74E-03	0.000122	0.005525	1.77E-07	7.38E-03	0.001531	9.41E-05	0.0119	1.83E-07	0.013525

4084	488363.09	3854877.25	0.75903	1.05508	0.82749	0.31154	1.38E-03	9E-05	0.0044	3.3E-07	0.00587	1.70E-03	0.00011	0.005375	1.86E-07	7.18E-03	0.001495	8.46E-05	0.011576	1.92E-07	0.013155
4085	488863.09	3854877.25	0.74894	0.97204	0.83675	0.3361	1.37E-03	8.3E-05	0.00445	3.6E-07	0.00589	1.67E-03	0.000101	0.005435	2.01E-07	7.21E-03	0.001475	7.8E-05	0.011705	2.07E-07	0.013258
4086	489363.09	3854877.25	0.70528	0.86697	0.8045	0.33949	1.29E-03	7.4E-05	0.00427	3.6E-07	0.00563	1.58E-03	9.04E-05	0.005225	2.03E-07	6.89E-03	0.001389	6.95E-05	0.011254	2.09E-07	0.012713
4087	489863.09	3854877.25	0.60728	0.77117	0.71189	0.31571	1.11E-03	6.6E-05	0.00378	3.4E-07	0.00496	1.36E-03	8.04E-05	0.004624	1.88E-07	6.06E-03	0.001196	6.19E-05	0.009959	1.95E-07	0.011217
4088	490363.09	3854877.25	0.40015	0.48786	0.48185	0.229	7.29E-04	4.2E-05	0.00256	2.4E-07	0.00333	8.94E-04	5.09E-05	0.00313	1.37E-07	4.07E-03	0.000788	3.91E-05	0.006741	1.41E-07	0.007568
4089	490863.09	3854877.25	0.24399	0.3032	0.29146	0.16729	4.45E-04	2.6E-05	0.00155	1.8E-07	0.00202	5.45E-04	3.16E-05	0.001893	9.98E-08	2.47E-03	0.000481	2.43E-05	0.004077	1.03E-07	0.004582
4090	491363.09	3854877.25	0.27187	0.32805	0.32856	0.1813	4.96E-04	2.8E-05	0.00175	1.9E-07	0.00227	6.07E-04	3.42E-05	0.002134	1.08E-07	2.78E-03	0.000535	2.63E-05	0.004596	1.12E-07	0.005158
4091	491863.09	3854877.25	0.45665	0.57481	0.55189	0.29505	8.32E-04	4.9E-05	0.00293	3.1E-07	0.00381	1.02E-03	5.99E-05	0.003585	1.76E-07	4.66E-03	0.000899	4.61E-05	0.00772	1.82E-07	0.008666
4092	492363.09	3854877.25	0.44627	0.55334	0.53732	0.3067	8.13E-04	4.7E-05	0.00285	3.3E-07	0.00372	9.97E-04	5.77E-05	0.00349	1.83E-07	4.54E-03	0.000879	4.44E-05	0.007517	1.89E-07	0.00844
4093	492863.09	3854877.25	0.4045	0.48812	0.50106	0.28621	7.37E-04	4.2E-05	0.00266	3.1E-07	0.00344	9.04E-04	5.09E-05	0.003255	1.71E-07	4.21E-03	0.000797	3.92E-05	0.007009	1.76E-07	0.007845
4094	493363.09	3854877.25	0.3633	0.43485	0.45195	0.25745	6.62E-04	3.7E-05	0.0024	2.7E-07	0.0031	8.12E-04	4.53E-05	0.002936	1.54E-07	3.79E-03	0.000716	3.49E-05	0.006322	1.59E-07	0.007073
4095	493863.09	3854877.25	0.33522	0.41752	0.4094	0.23547	6.11E-04	3.6E-05	0.00218	2.5E-07	0.00282	7.49E-04	4.35E-05	0.002659	1.41E-07	3.45E-03	0.00066	3.35E-05	0.005727	1.45E-07	0.006421
4096	494363.09	3854877.25	0.2315	0.27285	0.29422	0.17009	4.22E-04	2.3E-05	0.00156	1.8E-07	0.00201	5.17E-04	2.85E-05	0.001911	1.02E-07	2.46E-03	0.000456	2.19E-05	0.004116	1.05E-07	0.004594
4097	494863.09	3854877.25	0.15056	0.18218	0.1882	0.12516	2.74E-04	1.6E-05	0.001	1.3E-07	0.00129	3.36E-04	1.9E-05	0.001222	7.47E-08	1.58E-03	0.000297	1.46E-05	0.002633	7.72E-08	0.002944
4098	495363.09	3854877.25	0.11456	0.14011	0.14256	0.10303	2.09E-04	1.2E-05	0.00076	1.1E-07	0.00098	2.56E-04	1.46E-05	0.000926	6.15E-08	1.20E-03	0.000226	1.12E-05	0.001994	6.35E-08	0.002231
4099	495863.09	3854877.25	0.09636	0.11707	0.11965	0.09045	1.76E-04	1E-05	0.00064	9.6E-08	0.00082	2.15E-04	1.22E-05	0.000777	5.4E-08	1.00E-03	0.00019	9.39E-06	0.001674	5.58E-08	0.001873
4100	496363.09	3854877.25	0.07736	0.09013	0.09242	0.07626	1.41E-04	7.7E-06	0.00049	8.1E-08	0.00064	1.73E-04	9.4E-06	0.0006	4.55E-08	7.83E-04	0.000152	7.23E-06	0.001293	4.7E-08	0.001452
4101	496863.09	3854877.25	0.0658	0.08035	0.07934	0.06775	1.20E-04	6.8E-06	0.00042	7.2E-08	0.00055	1.47E-04	8.38E-06	0.000515	4.04E-08	6.71E-04	0.00013	6.45E-06	0.00111	4.18E-08	0.001246
4102	497363.09	3854877.25	0.06217	0.07613	0.07452	0.06515	1.13E-04	6.5E-06	0.0004	6.9E-08	0.00052	1.39E-04	7.94E-06	0.000484	3.89E-08	6.31E-04	0.000122	6.11E-06	0.001042	4.02E-08	0.001171
4103	497863.09	3854877.25	0.06889	0.08346	0.08103	0.06873	1.26E-04	7.1E-06	0.00043	7.3E-08	0.00056	1.54E-04	8.7E-06	0.000526	4.1E-08	6.89E-04	0.000136	6.69E-06	0.001134	4.24E-08	0.001276
4104	498363.09	3854877.25	0.06643	0.07768	0.07856	0.06654	1.21E-04	6.6E-06	0.00042	7.1E-08	0.00055	1.48E-04	8.1E-06	0.00051	3.97E-08	6.67E-04	0.000131	6.23E-06	0.001099	4.1E-08	0.001236
4105	471363.09	3855377.25	0.07649	0.10034	0.09708	0.06065	1.39E-04	8.5E-06	0.00052	6.5E-08	0.00066	1.71E-04	1.05E-05	0.000631	3.62E-08	8.12E-04	0.000151	8.05E-06	0.001358	3.74E-08	0.001517
4106	471863.09	3855377.25	0.07911	0.10796	0.10221	0.06104	1.44E-04	9.2E-06	0.00054	6.5E-08	0.0007	1.77E-04	1.13E-05	0.000664	3.64E-08	8.52E-04	0.000156	8.66E-06	0.00143	3.76E-08	0.001594
4107	472363.09	3855377.25	0.0851	0.11619	0.10877	0.06512	1.55E-04	9.9E-06	0.00058	6.9E-08	0.00074	1.90E-04	1.21E-05	0.000706	3.89E-08	9.09E-04	0.000168	9.32E-06	0.001522	4.02E-08	0.001699
4108	472863.09	3855377.25	0.08917	0.12132	0.11137	0.06543	1.63E-04	1E-05	0.00059	7E-08	0.00076	1.99E-04	1.27E-05	0.000723	3.91E-08	9.35E-04	0.000176	9.73E-06	0.001558	4.03E-08	0.001743
4109	473363.09	3855377.25	0.09656	0.13116	0.12117	0.07374	1.76E-04	1.1E-05	0.00064	7.9E-08	0.00083	2.16E-04	1.37E-05	0.000787	4.4E-08	1.02E-03	0.00019	1.05E-05	0.001695	4.55E-08	0.001896
4110	473863.09	3855377.25	0.10291	0.13903	0.1284	0.07841	1.88E-04	1.2E-05	0.00068	8.4E-08	0.00088	2.30E-04	1.45E-05	0.000834	4.68E-08	1.08E-03	0.000203	1.12E-05	0.001796	4.83E-08	0.00201
4111	474363.09	3855377.25	0.10979	0.14528	0.13554	0.08534	2.00E-04	1.2E-05	0.00072	9.1E-08	0.00093	2.45E-04	1.51E-05	0.00088	5.09E-08	1.14E-03	0.000216	1.17E-05	0.001896	5.26E-08	0.002124
4112	474863.09	3855377.25	0.09757	0.12833	0.11349	0.07199	1.78E-04	1.1E-05	0.0006	7.7E-08	0.00079	2.18E-04	1.34E-05	0.000737	4.3E-08	9.69E-04	0.000192	1.03E-05	0.001588	4.44E-08	0.00179
4113	475363.09	3855377.25	0.04696	0.06027	0.05257	0.04092	8.56E-05	5.1E-06	0.00028	4.4E-08	0.00037	1.05E-04	6.28E-06	0.000341	2.44E-08	4.53E-04	9.25E-05	4.83E-06	0.000735	2.52E-08	0.000833
4114	475863.09	3855377.25	0.034	0.04263	0.04008	0.03408	6.20E-05	3.6E-06	0.00021	3.6E-08	0.00028	7.59E-05	4.45E-06	0.00026	2.03E-08	3.41E-04	6.7E-05	3.42E-06	0.000561	2.1E-08	0.000631
4115	476363.09	3855377.25	0.04077	0.05254	0.04599	0.03835	7.43E-05	4.5E-06	0.00024	4.1E-08	0.00032	9.11E-05	5.48E-06	0.000299	2.29E-08	3.95E-04	8.03E-05	4.21E-06	0.000643	2.36E-08	0.000728
4116	476863.09	3855377.25	0.03986	0.05267	0.0446	0.03777	7.27E-05	4.5E-06	0.00024	4E-08	0.00031	8.90E-05	5.49E-06	0.00029	2.25E-08	3.84E-04	7.85E-05	4.23E-06	0.000624	2.33E-08	0.000707
4117	477363.09	3855377.25	0.04443	0.05774	0.05175	0.04114	8.10E-05	4.9E-06	0.00027	4.4E-08	0.00036	9.92E-05	6.02E-06	0.000336	2.46E-08	4.41E-04	8.75E-05	4.63E-06	0.000724	2.54E-08	0.000816
4118	477863.09	3855377.25	0.05855	0.07689	0.0674	0.04841	1.07E-04	6.5E-06	0.00036	5.2E-08	0.00047	1.31E-04	8.02E-06	0.000438	2.89E-08	5.77E-04	0.000115	6.17E-06	0.000943	2.98E-08	0.001064
4119	478363.09	3855377.25	0.0769	0.10617	0.08948	0.05995	1.40E-04	9E-06	0.00048	6.4E-08	0.00062	1.72E-04	1.11E-05	0.000581	3.58E-08	7.64E-04	0.000151	8.52E-06	0.001252	3.7E-08	0.001412
4120	478863.09	3855377.25	0.09946	0.13795	0.11479	0.07085	1.81E-04	1.2E-05	0.00061	7.6E-08	0.0008	2.22E-04	1.44E-05	0.000746	4.23E-08	9.82E-04	0.000196	1.11E-05	0.001606	4.37E-08	0.001813
4121	479363.09	3855377.25	0.14401	0.20088	0.15743	0.08857	2.63E-04	1.7E-05	0.00084	9.4E-08	0.00112	3.22E-04	2.09E-05	0.001023	5.29E-08	1.37E-03	0.000284	1.61E-05	0.002202	5.46E-08	0.002502
4122	479863.09	3855377.25	0.19587	0.28055	0.20782	0.10919	3.57E-04	2.4E-05	0.0011	1.2E-07	0.00149	4.38E-04	2.93E-05	0.00135	6.52E-08	1.82E-03	0.000386	2.25E-05	0.002907	6.73E-08	0.003316
4123	480363.09	3855377.25	0.29785	0.46381	0.32697	0.1608	5.43E-04	3.9E-05	0.00174	1.7E-07	0.00232	6.65E-04	4.84E-05	0.002124	9.6E-08	2.84E-03	0.000587	3.72E-05	0.004574	9.91E-08	0.005198
4124	480863.09	3855377.25	0.45069	0.70648	0.45373	0.25954	8.22E-04	6E-05	0.00241	2.8E-07	0.00329	1.01E-03	7.37E-05	0.002947	1.55E-07	4.03E-03	0.000888	5.67E-05	0.006347	1.6E-07	0.007292
4125	481363.09	3855377.25	0.56242	0.85062	0.54792	0.40235	1.03E-03	7.2E-05	0.00291	4.3E-07	0.00401	1.26E-03	8.87E-05	0.003559	2.4E-07	4.90E-03	0.001108	6.82E-05	0.007665	2.48E-07	0.008841
4126	481863.09	3855377.25	0.69147	0.99806	0.64023	0.54977	1.26E-03	8.5E-05	0.0034	5.9E-07	0.00475	1.54E-03	0.000104	0.004158	3.28E-07	5.81E-03	0.001362	8.01E-05	0.008956	3.39E-07	0.010398
4127	482363.09	3855377.25	0.80094	1.2046	0.70666	0.71653	1.46E-03	0.0001	0.00375	7.6E-07	0.00532	1.79E-03	0.000126	0.00459	4.28E-07	6.51E-03	0.001577	9.66E-05	0.009885	4.42E-07	0.01156
4128	482863.09	3855377.25	1.06742	1.68503	0.91481	0.87982	1.95E-03	0.00014	0.00486	9.4E-07	0.00695	2.38E-03	0.000176	0.005942	5.25E-07	8.50E-03	0.002102	0.000135	0.012797	5.42E-07	0.015035
4129	483363.09	3855377.25	1.47501	2.76129	1.35117	1.20133	2.69E-03	0.00023	0.00718	1.3E-06	0.0101	3.29E-03	0.000288	0.008776	7.17E-07	1.24E-02	0.002905	0.000222	0.018902	7.41E-07	0.022029
4130	483863.09	3855377.25	2.35141	5.58386	2.46114	1.65758	4.29E-03	0.00048	0.01308	1.8E-06	0.01784	5.25E-03	0.000582	0.015986	9.89E-07	2.18E-02	0.004631	0.000448	0.034429	1.02E-06	0.039509
4131	484363.09	3855377.25	5.02197	8.70147	6.27122	1.63095	9.15E-03	0.00074	0.03332	1.7E-06	0.04322	1.12E-02	0.000907	0.040733	9.73E-07	5.29E-02	0.009891	0.000698	0.087728	1.01E-06	0.098318
4132	484863.09	3855377.25	8.98065	7.57034	22.27112	4.32213	1.64E-02	0.00064	0.11833	4.6E-06	0.13535	2.01E-02	0.000789	0.144658	2.58E-06	1.66E-01	0.017687	0.000607	0.311551	2.66E-06	0.329848
4133	485363.09	3855377.25	6.49085	4.99745	8.05336	2.14222	1.18E-02	0.00043	0.04279	2.3E-06	0.05505	1.45E-02	0.000521	0.052309	1.28E-06	6.73E-02	0.012784	0.000401	0.112658	1.32E-06	0.125844
4134	485863.09	3855377.25	3.23823	3.44299	4.09402	1.13582	5.90E-03	0.00029	0.02175	1.2E-06	0.02795	7.23E-03	0.000359	0.026592	6.78E-07	3.42E-02	0.006378	0.000276	0.057271	7E-07	0.063926
4135	486363.09	3855377.25	2.02331	2.39504	2.46356	0.78536	3.69E-03	0.0002	0.01309	8.4E-07	0.01698	4.52E-03	0.00025	0.016002	4.69E-07	2.08E-02	0.003985	0.000192	0.034463	4.84E-07	0.03864
4136	486863.09	3855377.25	1.41869	1.72399	1.68192	0.6118	2.59E-03	0.00015	0.00894	6.5E-07	0.01167	3.17E-03	0.00018	0.010925	3.65E-07	1.43E-02	0.002794	0.000138	0.023528	3.77E-07	0.026461
4137	487363.09	3855377.25	1.29341	1.45171	1.58713	0.5783	2.36E-03	0.00012	0.00843	6.2E-07	0.01091	2.89E-03	0.000151	0.010309	3.45E-07	1.33E-02	0.002547	0.000116	0.022202	3.57E-07	0.024866
4138	487863.09	3855377.25	1.19989	1.27126	1.47016	0.56632	2.19E-03	0.00011	0.00781	6E-07	0.01011	2.68E-03	0.000133	0.009549	3.38E-07	1.24E-02	0.002363	0.000102	0.020566	3.49E-07	0.023032
4139	488363.09	3855377.25	1.09367	1.12603	1.39398	0.57151	1.99E-03	9.6E-05	0.00741	6.1E-07	0.0095	2.44E-03	0.000117	0.009054	3.41E-07	1.16E-02	0.002154	9.03E-05	0.0195	3.52E-07	0.021745
4140	488863.09	3855377.25	1.00494	1.04282	1.26698	0.57112	1.83E-03	8.9E-05	0.00673	6.1E-07	0.00865	2.24E-03	0.000109	0.008229	3.41E-07	1.06E-02	0.001979	8.37E-05	0.017724	3.52E-07	0.019787
4141	489363.09	3855377.25	0.90037	0.9531	1.13778	0.55403	1.64E-03	8.1E-05	0.00605	5.9E-07	0.00777	2.01E-03	9.94E-05	0.00739	3.31E-07	9.50E-03	0.001773	7.65E-05	0.015916	3.42E-07	0.017766
4142	489863.09	3855377.25	0.80531	0.87666	1.00476	0.50421	1.47E-03	7.5E-05	0.00534	5.4E-07	0.00688	1.80E-03	9.14E-05	0.006526	3.01E-07	8.42E-03	0.001586	7.03E-05	0.014056	3.11E-07	0.015712
4143	490363.09	3855377.25	0.75203	0.8653	0.91889	0.50406	1.37E-03	7.4E-05	0.00488	5.4E-07	0.00633	1.68E-03	9.02E-05	0.005968	3.01E-07	7.74E-03	0.001481	6.94E-05	0.012854	3.11E-07	0.014405
4144	490863.09	3855377.25	0.42461	0.46691	0.51961	0.26678	7.74E-04	4E-05	0.00276	2.8E-07	0.00357	9.48E-04	4.87E-05	0.003375	1.59E-07	4.37E-03	0.000836	3.75E-05	0.007269	1.64E-07	0.008143

4145	491363.09	3855377.25	0.32719	0.36146	0.40692	0.22913	5.96E-04	3.1E-05	0.00216	2.4E-07	0.00279	7.31E-04	3.77E-05	0.002643	1.37E-07	3.41E-03	0.000644	2.9E-05	0.005692	1.41E-07	0.006366
4146	491863.09	3855377.25	0.54787	0.6782	0.67184	0.38906	9.99E-04	5.8E-05	0.00357	4.2E-07	0.00463	1.22E-03	7.07E-05	0.004364	2.32E-07	5.66E-03	0.001079	5.44E-05	0.009398	2.4E-07	0.010532
4147	492363.09	3855377.25	0.51412	0.67552	0.63048	0.38702	9.37E-04	5.7E-05	0.00335	4.1E-07	0.00434	1.15E-03	7.04E-05	0.004095	2.31E-07	5.31E-03	0.001013	5.42E-05	0.00882	2.39E-07	0.009887
4148	492863.09	3855377.25	0.46191	0.60245	0.57256	0.35196	8.42E-04	5.1E-05	0.00304	3.8E-07	0.00394	1.03E-03	6.28E-05	0.003719	2.1E-07	4.81E-03	0.00091	4.83E-05	0.00801	2.17E-07	0.008968
4149	493363.09	3855377.25	0.3947	0.49533	0.48805	0.28759	7.19E-04	4.2E-05	0.00259	3.1E-07	0.00336	8.82E-04	5.17E-05	0.00317	1.72E-07	4.10E-03	0.000777	3.97E-05	0.006827	1.77E-07	0.007645
4150	493863.09	3855377.25	0.27947	0.33909	0.34989	0.2051	5.09E-04	2.9E-05	0.00186	2.2E-07	0.0024	6.24E-04	3.54E-05	0.002273	1.22E-07	2.93E-03	0.00055	2.72E-05	0.004895	1.26E-07	0.005472
4151	494363.09	3855377.25	0.18194	0.20964	0.22437	0.15302	3.32E-04	1.8E-05	0.00119	1.6E-07	0.00154	4.06E-04	2.19E-05	0.001457	9.13E-08	1.89E-03	0.000358	1.68E-05	0.003139	9.43E-08	0.003514
4152	494863.09	3855377.25	0.12258	0.14145	0.15286	0.11682	2.23E-04	1.2E-05	0.00081	1.2E-07	0.00105	2.74E-04	1.48E-05	0.000993	6.97E-08	1.28E-03	0.000241	1.13E-05	0.002138	7.2E-08	0.002391
4153	495363.09	3855377.25	0.09233	0.1074	0.11492	0.09354	1.68E-04	9.1E-06	0.00061	1E-07	0.00079	2.06E-04	1.12E-05	0.000746	5.58E-08	9.64E-04	0.000182	8.62E-06	0.001608	5.77E-08	0.001798
4154	495863.09	3855377.25	0.07596	0.08899	0.0937	0.07889	1.38E-04	7.6E-06	0.0005	8.4E-08	0.00064	1.70E-04	9.28E-06	0.000609	4.71E-08	7.88E-04	0.00015	7.14E-06	0.001311	4.86E-08	0.001468
4155	496363.09	3855377.25	0.07129	0.08468	0.08764	0.07481	1.30E-04	7.2E-06	0.00047	8E-08	0.0006	1.59E-04	8.83E-06	0.000569	4.46E-08	7.37E-04	0.00014	6.79E-06	0.001226	4.61E-08	0.001373
4156	496863.09	3855377.25	0.06824	0.08101	0.08361	0.07104	1.24E-04	6.9E-06	0.00044	7.6E-08	0.00058	1.52E-04	8.45E-06	0.000543	4.24E-08	7.04E-04	0.000134	6.5E-06	0.00117	4.38E-08	0.001311
4157	497363.09	3855377.25	0.06824	0.08059	0.08359	0.0709	1.24E-04	6.9E-06	0.00044	7.6E-08	0.00058	1.52E-04	8.4E-06	0.000543	4.23E-08	7.04E-04	0.000134	6.46E-06	0.001169	4.37E-08	0.00131
4158	497863.09	3855377.25	0.07023	0.08538	0.08676	0.07205	1.28E-04	7.3E-06	0.00046	7.7E-08	0.0006	1.57E-04	8.9E-06	0.000564	4.3E-08	7.29E-04	0.000138	6.85E-06	0.001214	4.44E-08	0.001359
4159	498363.09	3855377.25	0.07406	0.09065	0.0909	0.0758	1.35E-04	7.7E-06	0.00048	8.1E-08	0.00063	1.65E-04	9.45E-06	0.00059	4.52E-08	7.65E-04	0.000146	7.27E-06	0.001272	4.67E-08	0.001425
4160	471363.09	3855877.25	0.08151	0.10849	0.09505	0.06295	1.49E-04	9.2E-06	0.00051	6.7E-08	0.00066	1.82E-04	1.13E-05	0.000617	3.76E-08	8.11E-04	0.000161	8.7E-06	0.00133	3.88E-08	0.001499
4161	471863.09	3855877.25	0.08541	0.11641	0.09945	0.0639	1.56E-04	9.9E-06	0.00053	6.8E-08	0.00069	1.91E-04	1.21E-05	0.000646	3.81E-08	8.49E-04	0.000168	9.34E-06	0.001391	3.94E-08	0.001569
4162	472363.09	3855877.25	0.0928	0.12837	0.10724	0.07145	1.69E-04	1.1E-05	0.00057	7.6E-08	0.00075	2.07E-04	1.34E-05	0.000697	4.26E-08	9.17E-04	0.000183	1.03E-05	0.0015	4.41E-08	0.001693
4163	472863.09	3855877.25	0.09588	0.13313	0.11005	0.07044	1.75E-04	1.1E-05	0.00058	7.5E-08	0.00077	2.14E-04	1.39E-05	0.000715	4.2E-08	9.43E-04	0.000189	1.07E-05	0.001539	4.34E-08	0.001739
4164	473363.09	3855877.25	0.10497	0.14433	0.12069	0.07788	1.91E-04	1.2E-05	0.00064	8.3E-08	0.00084	2.34E-04	1.51E-05	0.000784	4.65E-08	1.03E-03	0.000207	1.16E-05	0.001688	4.8E-08	0.001907
4165	473863.09	3855877.25	0.11258	0.16154	0.12786	0.08091	2.05E-04	1.4E-05	0.00068	8.6E-08	0.0009	2.51E-04	1.68E-05	0.00083	4.83E-08	1.10E-03	0.000222	1.3E-05	0.001789	4.99E-08	0.002023
4166	474363.09	3855877.25	0.11784	0.17387	0.1338	0.08314	2.15E-04	1.5E-05	0.00071	8.9E-08	0.00094	2.63E-04	1.81E-05	0.000869	4.96E-08	1.15E-03	0.000232	1.39E-05	0.001872	5.13E-08	0.002118
4167	474863.09	3855877.25	0.09737	0.14855	0.10999	0.06447	1.77E-04	1.3E-05	0.00058	6.9E-08	0.00077	2.17E-04	1.55E-05	0.000714	3.85E-08	9.47E-04	0.000192	1.19E-05	0.001539	3.98E-08	0.001742
4168	475363.09	3855877.25	0.05854	0.08155	0.06796	0.04555	1.07E-04	6.9E-06	0.00036	4.9E-08	0.00047	1.31E-04	8.5E-06	0.000441	2.72E-08	5.81E-04	0.000115	6.54E-06	0.000951	2.81E-08	0.001073
4169	475863.09	3855877.25	0.02602	0.03212	0.03011	0.02751	4.74E-05	2.7E-06	0.00016	2.9E-08	0.00021	5.81E-05	3.35E-06	0.000196	1.64E-08	2.57E-04	5.12E-05	2.58E-06	0.000421	1.7E-08	0.000475
4170	476363.09	3855877.25	0.02745	0.03416	0.03198	0.0291	5.00E-05	2.9E-06	0.00017	3.1E-08	0.00022	6.13E-05	3.56E-06	0.000208	1.74E-08	2.73E-04	5.41E-05	2.74E-06	0.000447	1.79E-08	0.000504
4171	476863.09	3855877.25	0.04019	0.052	0.04832	0.03833	7.33E-05	4.4E-06	0.00026	4.1E-08	0.00033	8.98E-05	5.42E-06	0.000314	2.29E-08	4.09E-04	7.92E-05	4.17E-06	0.000676	2.36E-08	0.000759
4172	477363.09	3855877.25	0.05108	0.06203	0.05919	0.04438	9.31E-05	5.3E-06	0.00031	4.7E-08	0.00041	1.14E-04	6.47E-06	0.000384	2.65E-08	5.05E-04	0.000101	4.98E-06	0.000828	2.74E-08	0.000934
4173	477863.09	3855877.25	0.06388	0.08076	0.07297	0.0517	1.16E-04	6.9E-06	0.00039	5.5E-08	0.00051	1.43E-04	8.42E-06	0.000474	3.09E-08	6.25E-04	0.000126	6.48E-06	0.001021	3.19E-08	0.001153
4174	478363.09	3855877.25	0.08408	0.11073	0.09772	0.06159	1.53E-04	9.4E-06	0.00052	6.6E-08	0.00068	1.88E-04	1.15E-05	0.000635	3.68E-08	8.34E-04	0.000166	8.88E-06	0.001367	3.8E-08	0.001542
4175	478863.09	3855877.25	0.11271	0.15458	0.13002	0.07586	2.05E-04	1.3E-05	0.00069	8.1E-08	0.00091	2.52E-04	1.61E-05	0.000845	4.53E-08	1.11E-03	0.000222	1.24E-05	0.001819	4.68E-08	0.002053
4176	479363.09	3855877.25	0.16219	0.23433	0.18213	0.09265	2.96E-04	2E-05	0.00097	9.9E-08	0.00128	3.62E-04	2.44E-05	0.001183	5.53E-08	1.57E-03	0.000319	1.88E-05	0.002548	5.71E-08	0.002886
4177	479863.09	3855877.25	0.23061	0.33013	0.24914	0.11658	4.20E-04	2.8E-05	0.00132	1.2E-07	0.00177	5.15E-04	3.44E-05	0.001618	6.96E-08	2.17E-03	0.000454	2.65E-05	0.003485	7.19E-08	0.003966
4178	480363.09	3855877.25	0.32858	0.48314	0.34932	0.15798	5.99E-04	4.1E-05	0.00186	1.7E-07	0.0025	7.34E-04	5.04E-05	0.002269	9.43E-08	3.05E-03	0.000647	3.88E-05	0.004887	9.74E-08	0.005573
4179	480863.09	3855877.25	0.47666	0.70672	0.46055	0.23533	8.69E-04	6E-05	0.00245	2.5E-07	0.00338	1.06E-03	7.37E-05	0.002991	1.4E-07	4.13E-03	0.000939	5.67E-05	0.006443	1.45E-07	0.007438
4180	481363.09	3855877.25	0.57035	0.83925	0.54768	0.25214	1.04E-03	7.1E-05	0.00291	2.7E-07	0.00402	1.27E-03	8.75E-05	0.003557	1.5E-07	4.92E-03	0.001123	6.73E-05	0.007661	1.55E-07	0.008852
4181	481863.09	3855877.25	0.70396	1.05629	0.67165	0.53822	1.28E-03	9E-05	0.00357	5.7E-07	0.00494	1.57E-03	0.00011	0.004363	3.21E-07	6.05E-03	0.001386	8.47E-05	0.009396	3.32E-07	0.010867
4182	482363.09	3855877.25	0.78597	1.30285	0.7907	0.70895	1.43E-03	0.00011	0.0042	7.6E-07	0.00575	1.76E-03	0.000136	0.005136	4.23E-07	7.03E-03	0.001548	0.000105	0.011061	4.37E-07	0.012714
4183	482863.09	3855877.25	0.95605	1.50236	1.06992	0.85568	1.74E-03	0.00013	0.00568	9.1E-07	0.00756	2.14E-03	0.000157	0.006949	5.11E-07	9.24E-03	0.001883	0.000121	0.014967	5.28E-07	0.016971
4184	483363.09	3855877.25	1.21295	1.75518	1.36899	1.23499	2.21E-03	0.00015	0.00727	1.3E-06	0.00964	2.71E-03	0.000183	0.008892	7.37E-07	1.18E-02	0.002389	0.000141	0.019151	7.61E-07	0.021681
4185	483863.09	3855877.25	1.59644	2.24178	1.94163	1.8542	2.91E-03	0.00019	0.01032	2E-06	0.01342	3.57E-03	0.000234	0.012611	1.11E-06	1.64E-02	0.003144	0.00018	0.027161	1.14E-06	0.030487
4186	484363.09	3855877.25	2.384	2.27494	3.05121	2.90993	4.35E-03	0.00019	0.01621	3.1E-06	0.02075	5.33E-03	0.000237	0.019819	1.74E-06	2.54E-02	0.004695	0.000182	0.042683	1.79E-06	0.047563
4187	484863.09	3855877.25	4.4538	2.54673	5.9496	3.21199	8.12E-03	0.00022	0.03161	3.4E-06	0.03995	9.95E-03	0.000266	0.038644	1.92E-06	4.89E-02	0.008772	0.000204	0.083229	1.98E-06	0.092207
4188	485363.09	3855877.25	9.6288	2.42249	20.90165	5.62425	1.76E-02	0.00021	0.11105	6E-06	0.12882	2.15E-02	0.000253	0.135762	3.36E-06	1.58E-01	0.018964	0.000194	0.292393	3.47E-06	0.311554
4189	485863.09	3855877.25	8.03758	2.28579	10.4735	3.26952	1.47E-02	0.00019	0.05565	3.5E-06	0.0705	1.80E-02	0.000238	0.068028	1.95E-06	8.62E-02	0.01583	0.000183	0.146514	2.02E-06	0.162529
4190	486363.09	3855877.25	3.39144	2.16565	4.57583	1.56405	6.18E-03	0.00018	0.02431	1.7E-06	0.03068	7.58E-03	0.000226	0.029721	9.33E-07	3.75E-02	0.006679	0.000174	0.064011	9.64E-07	0.070865
4191	486863.09	3855877.25	2.34014	1.72207	3.10898	1.12087	4.27E-03	0.00015	0.01652	1.2E-06	0.02093	5.23E-03	0.00018	0.020194	6.69E-07	2.56E-02	0.004609	0.000138	0.043492	6.91E-07	0.048239
4192	487363.09	3855877.25	2.00385	1.45193	2.64632	1.01399	3.65E-03	0.00012	0.01406	1.1E-06	0.01784	4.48E-03	0.000151	0.017189	6.05E-07	2.18E-02	0.003947	0.000116	0.037019	6.25E-07	0.041083
4193	487863.09	3855877.25	1.70827	1.28256	2.25632	0.98056	3.11E-03	0.00011	0.01199	1E-06	0.01521	3.82E-03	0.000134	0.014655	5.85E-07	1.86E-02	0.003364	0.000103	0.031564	6.05E-07	0.035032
4194	488363.09	3855877.25	1.46182	1.27282	1.90679	0.93286	2.66E-03	0.00011	0.01013	1E-06	0.01291	3.27E-03	0.000133	0.012385	5.57E-07	1.58E-02	0.002879	0.000102	0.026674	5.75E-07	0.029656
4195	488863.09	3855877.25	1.26396	1.17344	1.64275	0.89609	2.30E-03	1E-04	0.00873	9.6E-07	0.01113	2.82E-03	0.000122	0.01067	5.35E-07	1.36E-02	0.002489	9.41E-05	0.02298	5.53E-07	0.025564
4196	489363.09	3855877.25	1.11732	1.19197	1.42015	0.85289	2.04E-03	0.0001	0.00755	9.1E-07	0.00968	2.50E-03	0.000124	0.009224	5.09E-07	1.18E-02	0.002201	9.56E-05	0.019866	5.26E-07	0.022163
4197	489863.09	3855877.25	0.99493	1.08398	1.24526	0.78923	1.81E-03	9.2E-05	0.00662	8.4E-07	0.00852	2.22E-03	0.000113	0.008088	4.71E-07	1.04E-02	0.001959	8.7E-05	0.01742	4.87E-07	0.019467
4198	490363.09	3855877.25	0.8823	0.99875	1.10543	0.74694	1.61E-03	8.5E-05	0.00587	8E-07	0.00757	1.97E-03	0.000104	0.00718	4.46E-07	9.26E-03	0.001738	8.01E-05	0.015464	4.61E-07	0.017282
4199	490863.09	3855877.25	0.78545	0.94359	0.9839	0.63403	1.43E-03	8E-05	0.00523	6.8E-07	0.00674	1.75E-03	9.84E-05	0.006391	3.78E-07	8.24E-03	0.001547	7.57E-05	0.013764	3.91E-07	0.015387
4200	491363.09	3855877.25	0.64921	0.80183	0.82197	0.45638	1.18E-03	6.8E-05	0.00437	4.9E-07	0.00562	1.45E-03	8.36E-05	0.005339	2.72E-07	6.87E-03	0.001279	6.43E-05	0.011499	2.81E-07	0.012842
4201	491863.09	3855877.25	0.6388	0.8267	0.7828	0.53901	1.16E-03	7E-05	0.00416	5.7E-07	0.00539	1.43E-03	8.62E-05	0.005085	3.22E-07	6.60E-03	0.001258	6.63E-05	0.010951	3.32E-07	0.012275
4202	492363.09	3855877.25	0.5732	0.73154	0.7061	0.46234	1.04E-03	6.2E-05	0.00375	4.9E-07	0.00486	1.28E-03	7.63E-05	0.004586	2.76E-07	5.94E-03	0.001129	5.87E-05	0.009878	2.85E-07	0.011065
4203	492863.09	3855877.25	0.51051	0.65325	0.63684	0.40508	9.31E-04	5.6E-05	0.00338	4.3E-07	0.00437	1.14E-03	6.81E-05	0.004136	2.42E-07	5.35E-03	0.001005	5.24E-05	0.008909	2.5E-07	0.009967
4204	493363.09	3855877.25	0.3669	0.45143	0.45478	0.27237	6.69E-04	3.8E-05	0.00242	2.9E-07	0.00312	8.20E-04	4.71E-05	0.002954	1.63E-07	3.82E-03	0.000723	3.62E-05	0.006362	1.68E-07	0.007121
4205	493863.09	3855877.25	0.22258	0.27489	0.27918	0.18516	4.06E-04	2.3E-05	0.00148	2E-07	0.00191	4.97E-04	2.87E-05	0.001813	1.11E-07	2.34E-03	0.000438	2.21E-05	0.003905	1.14E-07	0.004366

4206	494363.09	3855877.25	0.14292	0.17729	0.17715	0.13602	2.61E-04	1.5E-05	0.00094	1.5E-07	0.00122	3.19E-04	1.85E-05	0.001151	8.12E-08	1.49E-03	0.000281	1.42E-05	0.002478	8.39E-08	0.002774
4207	494863.09	3855877.25	0.10399	0.12775	0.12901	0.10763	1.90E-04	1.1E-05	0.00069	1.1E-07	0.00089	2.32E-04	1.33E-05	0.000838	6.42E-08	1.08E-03	0.000205	1.02E-05	0.001805	6.64E-08	0.00202
4208	495363.09	3855877.25	0.07562	0.08952	0.09112	0.07939	1.38E-04	7.6E-06	0.00048	8.5E-08	0.00063	1.69E-04	9.33E-06	0.000592	4.74E-08	7.70E-04	0.000149	7.18E-06	0.001275	4.89E-08	0.001431
4209	495863.09	3855877.25	0.07167	0.08585	0.08575	0.07627	1.31E-04	7.3E-06	0.00046	8.1E-08	0.00059	1.60E-04	8.95E-06	0.000557	4.55E-08	7.26E-04	0.000141	6.89E-06	0.0012	4.7E-08	0.001348
4210	496363.09	3855877.25	0.06943	0.08323	0.08327	0.07411	1.27E-04	7.1E-06	0.00044	7.9E-08	0.00058	1.55E-04	8.68E-06	0.000541	4.42E-08	7.05E-04	0.000137	6.68E-06	0.001165	4.57E-08	0.001308
4211	496863.09	3855877.25	0.07064	0.08433	0.08404	0.07491	1.29E-04	7.2E-06	0.00045	8E-08	0.00058	1.58E-04	8.79E-06	0.000546	4.47E-08	7.12E-04	0.000139	6.76E-06	0.001176	4.62E-08	0.001322
4212	497363.09	3855877.25	0.07238	0.08855	0.08554	0.0761	1.32E-04	7.5E-06	0.00045	8.1E-08	0.00059	1.62E-04	9.23E-06	0.000556	4.54E-08	7.27E-04	0.000143	7.1E-06	0.001197	4.69E-08	0.001346
4213	497863.09	3855877.25	0.07585	0.09264	0.09075	0.07978	1.38E-04	7.9E-06	0.00048	8.5E-08	0.00063	1.69E-04	9.66E-06	0.000589	4.76E-08	7.69E-04	0.000149	7.43E-06	0.00127	4.92E-08	0.001426
4214	498363.09	3855877.25	0.08688	0.10264	0.10396	0.08705	1.58E-04	8.7E-06	0.00055	9.3E-08	0.00072	1.94E-04	1.07E-05	0.000675	5.2E-08	8.80E-04	0.000171	8.23E-06	0.001454	5.37E-08	0.001634
4215	471363.09	3856377.25	0.08181	0.12542	0.09988	0.06426	1.49E-04	1.1E-05	0.00053	6.9E-08	0.00069	1.83E-04	1.31E-05	0.000649	3.84E-08	8.45E-04	0.000161	1.01E-05	0.001397	3.96E-08	0.001568
4216	471863.09	3856377.25	0.08385	0.12771	0.10175	0.06644	1.53E-04	1.1E-05	0.00054	7.1E-08	0.0007	1.87E-04	1.33E-05	0.000661	3.97E-08	8.62E-04	0.000165	1.02E-05	0.001423	4.1E-08	0.001599
4217	472363.09	3856377.25	0.08908	0.13813	0.10686	0.07028	1.62E-04	1.2E-05	0.00057	7.5E-08	0.00074	1.99E-04	1.44E-05	0.000694	4.19E-08	9.08E-04	0.000175	1.11E-05	0.001495	4.33E-08	0.001681
4218	472863.09	3856377.25	0.09615	0.14693	0.11346	0.07576	1.75E-04	1.3E-05	0.0006	8.1E-08	0.00079	2.15E-04	1.53E-05	0.000737	4.52E-08	9.67E-04	0.000189	1.18E-05	0.001587	4.67E-08	0.001788
4219	473363.09	3856377.25	0.10308	0.1575	0.12051	0.08119	1.88E-04	1.3E-05	0.00064	8.7E-08	0.00084	2.30E-04	1.64E-05	0.000783	4.85E-08	1.03E-03	0.000203	1.26E-05	0.001686	5.01E-08	0.001902
4220	473863.09	3856377.25	0.11439	0.17276	0.13129	0.08887	2.09E-04	1.5E-05	0.0007	9.5E-08	0.00092	2.56E-04	1.8E-05	0.000853	5.3E-08	1.13E-03	0.000225	1.39E-05	0.001837	5.48E-08	0.002076
4221	474363.09	3856377.25	0.11239	0.18238	0.13346	0.08386	2.05E-04	1.6E-05	0.00071	8.9E-08	0.00093	2.51E-04	1.9E-05	0.000867	5.01E-08	1.14E-03	0.000221	1.46E-05	0.001867	5.17E-08	0.002103
4222	474863.09	3856377.25	0.10812	0.17412	0.1307	0.07565	1.97E-04	1.5E-05	0.00069	8.1E-08	0.00091	2.42E-04	1.82E-05	0.000849	4.52E-08	1.11E-03	0.000213	1.4E-05	0.001828	4.66E-08	0.002055
4223	475363.09	3856377.25	0.08801	0.13486	0.10368	0.0602	1.60E-04	1.1E-05	0.00055	6.4E-08	0.00072	1.97E-04	1.41E-05	0.000673	3.59E-08	8.84E-04	0.000173	1.08E-05	0.00145	3.71E-08	0.001635
4224	475863.09	3856377.25	0.05612	0.07608	0.06682	0.04513	1.02E-04	6.5E-06	0.00036	4.8E-08	0.00046	1.25E-04	7.93E-06	0.000434	2.69E-08	5.67E-04	0.000111	6.1E-06	0.000935	2.78E-08	0.001051
4225	476363.09	3856377.25	0.05205	0.06785	0.05978	0.04292	9.49E-05	5.8E-06	0.00032	4.6E-08	0.00042	1.16E-04	7.08E-06	0.000388	2.56E-08	5.12E-04	0.000103	5.44E-06	0.000836	2.65E-08	0.000944
4226	476863.09	3856377.25	0.05427	0.07062	0.06266	0.04466	9.89E-05	6E-06	0.00033	4.8E-08	0.00044	1.21E-04	7.36E-06	0.000407	2.67E-08	5.36E-04	0.000107	5.66E-06	0.000877	2.75E-08	0.000989
4227	477363.09	3856377.25	0.0596	0.08123	0.067	0.04644	1.09E-04	6.9E-06	0.00036	5E-08	0.00047	1.33E-04	8.47E-06	0.000435	2.77E-08	5.77E-04	0.000117	6.52E-06	0.000937	2.86E-08	0.001061
4228	477863.09	3856377.25	0.04696	0.06262	0.05242	0.04203	8.56E-05	5.3E-06	0.00028	4.5E-08	0.00037	1.05E-04	6.53E-06	0.00034	2.51E-08	4.52E-04	9.25E-05	5.02E-06	0.000733	2.59E-08	0.000831
4229	478363.09	3856377.25	0.04121	0.05763	0.04804	0.04019	7.51E-05	4.9E-06	0.00026	4.3E-08	0.00034	9.21E-05	6.01E-06	0.000312	2.4E-08	4.10E-04	8.12E-05	4.62E-06	0.000672	2.48E-08	0.000758
4230	478863.09	3856377.25	0.08644	0.12089	0.09495	0.06282	1.58E-04	1E-05	0.0005	6.7E-08	0.00067	1.93E-04	1.26E-05	0.000617	3.75E-08	8.22E-04	0.00017	9.7E-06	0.001328	3.87E-08	0.001508
4231	479363.09	3856377.25	0.11494	0.15646	0.13043	0.08141	2.10E-04	1.3E-05	0.00069	8.7E-08	0.00092	2.57E-04	1.63E-05	0.000847	4.86E-08	1.12E-03	0.000226	1.26E-05	0.001825	5.02E-08	0.002064
4232	479863.09	3856377.25	0.22378	0.31548	0.24608	0.11741	4.08E-04	2.7E-05	0.00131	1.3E-07	0.00174	5.00E-04	3.29E-05	0.001598	7.01E-08	2.13E-03	0.000441	2.53E-05	0.003442	7.24E-08	0.003909
4233	480363.09	3856377.25	0.3443	0.55288	0.35518	0.17332	6.28E-04	4.7E-05	0.00189	1.8E-07	0.00256	7.69E-04	5.77E-05	0.002307	1.03E-07	3.13E-03	0.000678	4.44E-05	0.004969	1.07E-07	0.005691
4234	480863.09	3856377.25	0.45967	0.70971	0.46112	0.25067	8.38E-04	6E-05	0.00245	2.7E-07	0.00335	1.03E-03	7.4E-05	0.002995	1.5E-07	4.10E-03	0.000905	5.69E-05	0.006451	1.55E-07	0.007413
4235	481363.09	3856377.25	0.57626	0.85307	0.57145	0.37289	1.05E-03	7.3E-05	0.00304	4E-07	0.00416	1.29E-03	8.9E-05	0.003712	2.23E-07	5.09E-03	0.001135	6.84E-05	0.007994	2.3E-07	0.009198
4236	481863.09	3856377.25	0.65116	0.95718	0.65784	0.56125	1.19E-03	8.1E-05	0.0035	6E-07	0.00476	1.45E-03	9.98E-05	0.004273	3.35E-07	5.83E-03	0.001282	7.68E-05	0.009203	3.46E-07	0.010562
4237	482363.09	3856377.25	0.69804	0.93427	0.76074	0.79662	1.27E-03	8E-05	0.00404	8.5E-07	0.00539	1.56E-03	9.74E-05	0.004941	4.75E-07	6.60E-03	0.001375	7.49E-05	0.010642	4.91E-07	0.012092
4238	482863.09	3856377.25	0.83625	1.13662	0.93179	1.01151	1.52E-03	9.7E-05	0.00495	1.1E-06	0.00657	1.87E-03	0.000119	0.006052	6.04E-07	8.04E-03	0.001647	9.12E-05	0.013035	6.24E-07	0.014774
4239	483363.09	3856377.25	0.99698	1.316	1.19199	1.24986	1.82E-03	0.00011	0.00633	1.3E-06	0.00826	2.23E-03	0.000137	0.007742	7.46E-07	1.01E-02	0.001964	0.000106	0.016675	7.71E-07	0.018745
4240	483863.09	3856377.25	1.23518	1.43454	1.57542	1.6565	2.25E-03	0.00012	0.00837	1.8E-06	0.01075	2.76E-03	0.00015	0.010233	9.89E-07	1.31E-02	0.002433	0.000115	0.022039	1.02E-06	0.024587
4241	484363.09	3856377.25	1.55037	1.35212	2.01208	2.29378	2.83E-03	0.00012	0.01069	2.4E-06	0.01363	3.46E-03	0.000141	0.013069	1.37E-06	1.67E-02	0.003053	0.000108	0.028147	1.41E-06	0.03131
4242	484863.09	3856377.25	2.13579	1.44639	2.7399	3.147	3.89E-03	0.00012	0.01456	3.4E-06	0.01858	4.77E-03	0.000151	0.017796	1.88E-06	2.27E-02	0.004206	0.000116	0.038328	1.94E-06	0.042653
4243	485363.09	3856377.25	3.71217	1.66597	4.82057	4.509	6.77E-03	0.00014	0.02561	4.8E-06	0.03253	8.29E-03	0.000174	0.031311	2.69E-06	3.98E-02	0.007311	0.000134	0.067435	2.78E-06	0.074882
4244	485863.09	3856377.25	8.38321	1.83942	16.72844	6.4146	1.53E-02	0.00016	0.08888	6.8E-06	0.10433	1.87E-02	0.000192	0.108656	3.83E-06	1.28E-01	0.01651	0.000148	0.234014	3.96E-06	0.250676
4245	486363.09	3856377.25	8.72282	2.28165	13.47566	3.68548	1.59E-02	0.00019	0.0716	3.9E-06	0.0877	1.95E-02	0.000238	0.087528	2.2E-06	1.07E-01	0.017179	0.000183	0.188511	2.27E-06	0.205876
4246	486863.09	3856377.25	4.30644	2.18283	5.86053	2.01396	7.85E-03	0.00019	0.03114	2.1E-06	0.03918	9.62E-03	0.000228	0.038066	1.2E-06	4.79E-02	0.008481	0.000175	0.081983	1.24E-06	0.090641
4247	487363.09	3856377.25	2.9975	1.85878	4.0739	1.69767	5.46E-03	0.00016	0.02165	1.8E-06	0.02727	6.70E-03	0.000194	0.026461	1.01E-06	3.34E-02	0.005903	0.000149	0.05699	1.05E-06	0.063043
4248	487863.09	3856377.25	2.28806	1.76217	3.07949	1.60878	4.17E-03	0.00015	0.01636	1.7E-06	0.02068	5.11E-03	0.000184	0.020002	9.6E-07	2.53E-02	0.004506	0.000141	0.043079	9.92E-07	0.047728
4249	488363.09	3856377.25	1.82356	1.76304	2.37294	1.49991	3.32E-03	0.00015	0.01261	1.6E-06	0.01608	4.07E-03	0.000184	0.015413	8.95E-07	1.97E-02	0.003591	0.000141	0.033195	9.25E-07	0.036929
4250	488863.09	3856377.25	1.49421	1.69223	1.97143	1.36987	2.72E-03	0.00014	0.01047	1.5E-06	0.01334	3.34E-03	0.000176	0.012805	8.18E-07	1.63E-02	0.002943	0.000136	0.027578	8.45E-07	0.030658
4251	489363.09	3856377.25	1.27542	1.54434	1.67813	1.2587	2.32E-03	0.00013	0.00892	1.3E-06	0.01137	2.85E-03	0.000161	0.0109	7.51E-07	1.39E-02	0.002512	0.000124	0.023475	7.76E-07	0.026112
4252	489863.09	3856377.25	1.09232	1.42332	1.43599	1.14207	1.99E-03	0.00012	0.00763	1.2E-06	0.00974	2.44E-03	0.000148	0.009327	6.82E-07	1.19E-02	0.002151	0.000114	0.020088	7.04E-07	0.022354
4253	490363.09	3856377.25	0.95215	1.32522	1.2196	0.96892	1.74E-03	0.00011	0.00648	1E-06	0.00833	2.13E-03	0.000138	0.007922	5.78E-07	1.02E-02	0.001875	0.000106	0.017061	5.97E-07	0.019043
4254	490863.09	3856377.25	0.84463	1.14545	1.06719	0.84096	1.54E-03	9.7E-05	0.00567	9E-07	0.00731	1.89E-03	0.000119	0.006932	5.02E-07	8.94E-03	0.001663	9.19E-05	0.014929	5.19E-07	0.016685
4255	491363.09	3856377.25	0.75707	1.03026	0.94226	0.74683	1.38E-03	8.8E-05	0.00501	8E-07	0.00647	1.69E-03	0.000107	0.00612	4.46E-07	7.92E-03	0.001491	8.26E-05	0.013181	4.6E-07	0.014755
4256	491863.09	3856377.25	0.6783	0.96509	0.8368	0.64689	1.24E-03	8.2E-05	0.00445	6.9E-07	0.00577	1.52E-03	0.000101	0.005435	3.86E-07	7.05E-03	0.001336	7.74E-05	0.011706	3.99E-07	0.01312
4257	492363.09	3856377.25	0.60274	0.88616	0.73548	0.53309	1.10E-03	7.5E-05	0.00391	5.7E-07	0.00508	1.35E-03	9.24E-05	0.004777	3.18E-07	6.22E-03	0.001187	7.11E-05	0.010289	3.29E-07	0.011547
4258	492863.09	3856377.25	0.48091	0.66646	0.59114	0.37645	8.77E-04	5.7E-05	0.00314	4E-07	0.00407	1.07E-03	6.95E-05	0.00384	2.25E-07	4.98E-03	0.000947	5.35E-05	0.008269	2.32E-07	0.00927
4259	493363.09	3856377.25	0.256	0.33956	0.32023	0.21532	4.67E-04	2.9E-05	0.0017	2.3E-07	0.0022	5.72E-04	3.54E-05	0.00208	1.29E-07	2.69E-03	0.000504	2.72E-05	0.00448	1.33E-07	0.005011
4260	493863.09	3856377.25	0.18323	0.23526	0.22557	0.16767	3.34E-04	2E-05	0.0012	1.8E-07	0.00155	4.09E-04	2.45E-05	0.001465	1E-07	1.90E-03	0.000361	1.89E-05	0.003155	1.03E-07	0.003535
4261	494363.09	3856377.25	0.12435	0.15327	0.15374	0.12832	2.27E-04	1.3E-05	0.00082	1.4E-07	0.00106	2.78E-04	1.6E-05	0.000999	7.66E-08	1.29E-03	0.000245	1.23E-05	0.002151	7.91E-08	0.002408
4262	494863.09	3856377.25	0.09114	0.11331	0.11286	0.10174	1.66E-04	9.6E-06	0.0006	1.1E-07	0.00078	2.04E-04	1.18E-05	0.000733	6.07E-08	9.49E-04	0.000179	9.09E-06	0.001579	6.27E-08	0.001767
4263	495363.09	3856377.25	0.07285	0.08721	0.08847	0.08142	1.33E-04	7.4E-06	0.00047	8.7E-08	0.00061	1.63E-04	9.09E-06	0.000575	4.86E-08	7.47E-04	0.000143	7E-06	0.001238	5.02E-08	0.001388
4264	495863.09	3856377.25	0.06866	0.08233	0.08382	0.0777	1.25E-04	7E-06	0.00045	8.3E-08	0.00058	1.53E-04	8.59E-06	0.000544	4.64E-08	7.06E-04	0.000135	6.6E-06	0.001173	4.79E-08	0.001314
4265	496363.09	3856377.25	0.06914	0.0816	0.0835	0.07726	1.26E-04	6.9E-06	0.00044	8.2E-08	0.00058	1.54E-04	8.51E-06	0.000542	4.61E-08	7.05E-04	0.000136	6.55E-06	0.001168	4.76E-08	0.001311
4266	496863.09	3856377.25	0.07416	0.0872	0.08918	0.08136	1.35E-04	7.4E-06	0.00047	8.7E-08	0.00062	1.66E-04	9.09E-06	0.000579	4.86E-08	7.54E-04	0.000146	6.99E-06	0.001248	5.02E-08	0.001401

4267	497363.09	3856377.25	0.07835	0.09241	0.09435	0.08431	1.43E-04	7.9E-06	0.0005	9E-08	0.00065	1.75E-04	9.64E-06	0.000613	5.03E-08	7.98E-04	0.000154	7.41E-06	0.00132	5.2E-08	0.001482
4268	497863.09	3856377.25	0.08634	0.10427	0.10293	0.08857	1.57E-04	8.9E-06	0.00055	9.4E-08	0.00071	1.93E-04	1.09E-05	0.000669	5.29E-08	8.72E-04	0.00017	8.36E-06	0.00144	5.46E-08	0.001618
4269	498363.09	3856377.25	0.09709	0.12025	0.11596	0.09588	1.77E-04	1E-05	0.00062	1E-07	0.0008	2.17E-04	1.25E-05	0.000753	5.72E-08	9.83E-04	0.000191	9.65E-06	0.001622	5.91E-08	0.001823
4270	471363.09	3856877.25	0.08446	0.12392	0.09885	0.06629	1.54E-04	1.1E-05	0.00053	7.1E-08	0.00069	1.89E-04	1.29E-05	0.000642	3.96E-08	8.44E-04	0.000166	9.94E-06	0.001383	4.09E-08	0.001559
4271	471863.09	3856877.25	0.0863	0.1258	0.1013	0.06508	1.57E-04	1.1E-05	0.00054	6.9E-08	0.00071	1.93E-04	1.31E-05	0.000658	3.88E-08	8.64E-04	0.00017	1.01E-05	0.001417	4.01E-08	0.001597
4272	472363.09	3856877.25	0.09156	0.13825	0.10678	0.06955	1.67E-04	1.2E-05	0.00057	7.4E-08	0.00075	2.05E-04	1.44E-05	0.000694	4.15E-08	9.13E-04	0.00018	1.11E-05	0.001494	4.29E-08	0.001685
4273	472863.09	3856877.25	0.09588	0.14086	0.11273	0.07602	1.75E-04	1.2E-05	0.0006	8.1E-08	0.00079	2.14E-04	1.47E-05	0.000732	4.54E-08	9.61E-04	0.000189	1.13E-05	0.001577	4.69E-08	0.001777
4274	473363.09	3856877.25	0.10497	0.15269	0.12297	0.08822	1.91E-04	1.3E-05	0.00065	9.4E-08	0.00086	2.34E-04	1.59E-05	0.000799	5.27E-08	1.05E-03	0.000207	1.22E-05	0.00172	5.44E-08	0.001939
4275	473863.09	3856877.25	0.11244	0.165	0.12886	0.09191	2.05E-04	1.4E-05	0.00068	9.8E-08	0.0009	2.51E-04	1.72E-05	0.000837	5.49E-08	1.11E-03	0.000221	1.32E-05	0.001803	5.67E-08	0.002037
4276	474363.09	3856877.25	0.11161	0.1784	0.12756	0.08496	2.03E-04	1.5E-05	0.00068	9.1E-08	0.0009	2.49E-04	1.86E-05	0.000829	5.07E-08	1.10E-03	0.00022	1.43E-05	0.001784	5.24E-08	0.002019
4277	474863.09	3856877.25	0.10489	0.17276	0.12249	0.07675	1.91E-04	1.5E-05	0.00065	8.2E-08	0.00086	2.34E-04	1.8E-05	0.000796	4.58E-08	1.05E-03	0.000207	1.39E-05	0.001714	4.73E-08	0.001934
4278	475363.09	3856877.25	0.08806	0.13713	0.10454	0.06046	1.61E-04	1.2E-05	0.00056	6.4E-08	0.00073	1.97E-04	1.43E-05	0.000679	3.61E-08	8.90E-04	0.000173	1.1E-05	0.001462	3.73E-08	0.001647
4279	475863.09	3856877.25	0.08662	0.14326	0.10395	0.05887	1.58E-04	1.2E-05	0.00055	6.3E-08	0.00072	1.93E-04	1.49E-05	0.000675	3.51E-08	8.84E-04	0.000171	1.15E-05	0.001454	3.63E-08	0.001636
4280	476363.09	3856877.25	0.07376	0.11769	0.08821	0.0517	1.34E-04	1E-05	0.00047	5.5E-08	0.00061	1.65E-04	1.23E-05	0.000573	3.09E-08	7.50E-04	0.000145	9.44E-06	0.001234	3.19E-08	0.001389
4281	476863.09	3856877.25	0.0714	0.11463	0.08467	0.04978	1.30E-04	9.8E-06	0.00045	5.3E-08	0.00059	1.59E-04	1.2E-05	0.00055	2.97E-08	7.21E-04	0.000141	9.2E-06	0.001184	3.07E-08	0.001334
4282	477363.09	3856877.25	0.06003	0.09013	0.07082	0.04693	1.09E-04	7.7E-06	0.00038	5E-08	0.00049	1.34E-04	9.4E-06	0.00046	2.8E-08	6.04E-04	0.000118	7.23E-06	0.000991	2.89E-08	0.001116
4283	477863.09	3856877.25	0.04209	0.05853	0.04717	0.03843	7.67E-05	5E-06	0.00025	4.1E-08	0.00033	9.40E-05	6.1E-06	0.000306	2.29E-08	4.07E-04	8.29E-05	4.7E-06	0.00066	2.37E-08	0.000747
4284	478363.09	3856877.25	0.03874	0.05198	0.04282	0.0366	7.06E-05	4.4E-06	0.00023	3.9E-08	0.0003	8.65E-05	5.42E-06	0.000278	2.18E-08	3.70E-04	7.63E-05	4.17E-06	0.000599	2.26E-08	0.000679
4285	478863.09	3856877.25	0.04832	0.06922	0.0569	0.04272	8.81E-05	5.9E-06	0.0003	4.6E-08	0.0004	1.08E-04	7.22E-06	0.00037	2.55E-08	4.85E-04	9.52E-05	5.55E-06	0.000796	2.63E-08	0.000897
4286	479363.09	3856877.25	0.06587	0.099	0.07573	0.05163	1.20E-04	8.4E-06	0.0004	5.5E-08	0.00053	1.47E-04	1.03E-05	0.000492	3.08E-08	6.49E-04	0.00013	7.94E-06	0.001059	3.18E-08	0.001197
4287	479863.09	3856877.25	0.19928	0.29232	0.20869	0.1037	3.63E-04	2.5E-05	0.00111	1.1E-07	0.0015	4.45E-04	3.05E-05	0.001356	6.19E-08	1.83E-03	0.000392	2.34E-05	0.002919	6.39E-08	0.003335
4288	480363.09	3856877.25	0.32624	0.57853	0.36146	0.16838	5.95E-04	4.9E-05	0.00192	1.8E-07	0.00256	7.29E-04	6.03E-05	0.002348	1E-07	3.14E-03	0.000643	4.64E-05	0.005056	1.04E-07	0.005745
4289	480863.09	3856877.25	0.4397	0.70205	0.4648	0.28232	8.01E-04	6E-05	0.00247	3E-07	0.00333	9.82E-04	7.32E-05	0.003019	1.69E-07	4.07E-03	0.000866	5.63E-05	0.006502	1.74E-07	0.007425
4290	481363.09	3856877.25	0.51811	0.68886	0.54579	0.41071	9.44E-04	5.9E-05	0.0029	4.4E-07	0.0039	1.16E-03	7.18E-05	0.003545	2.45E-07	4.77E-03	0.00102	5.53E-05	0.007635	2.53E-07	0.008711
4291	481863.09	3856877.25	0.58204	0.70989	0.64516	0.53484	1.06E-03	6E-05	0.00343	5.7E-07	0.00455	1.30E-03	7.4E-05	0.004191	3.19E-07	5.56E-03	0.001146	5.69E-05	0.009025	3.3E-07	0.010229
4292	482363.09	3856877.25	0.63474	0.77055	0.70118	0.75228	1.16E-03	6.6E-05	0.00373	8E-07	0.00495	1.42E-03	8.04E-05	0.004554	4.49E-07	6.05E-03	0.00125	6.18E-05	0.009809	4.64E-07	0.011121
4293	482863.09	3856877.25	0.72923	0.90207	0.83592	0.89181	1.33E-03	7.7E-05	0.00444	9.5E-07	0.00585	1.63E-03	9.41E-05	0.00543	5.32E-07	7.15E-03	0.001436	7.24E-05	0.011694	5.5E-07	0.013203
4294	483363.09	3856877.25	0.85884	1.07944	1.00686	1.08521	1.57E-03	9.2E-05	0.00535	1.2E-06	0.00701	1.92E-03	0.000113	0.00654	6.48E-07	8.57E-03	0.001691	8.66E-05	0.014085	6.69E-07	0.015864
4295	483863.09	3856877.25	0.99253	1.1136	1.23844	1.38833	1.81E-03	9.5E-05	0.00658	1.5E-06	0.00849	2.22E-03	0.000116	0.008044	8.29E-07	1.04E-02	0.001955	8.93E-05	0.017325	8.56E-07	0.019369
4296	484363.09	3856877.25	1.1943	1.12796	1.46904	1.79609	2.18E-03	9.6E-05	0.00781	1.9E-06	0.01008	2.67E-03	0.000118	0.009542	1.07E-06	1.23E-02	0.002352	9.05E-05	0.02055	1.11E-06	0.022994
4297	484863.09	3856877.25	1.44739	1.35361	1.83573	2.18729	2.64E-03	0.00012	0.00975	2.3E-06	0.01251	3.23E-03	0.000141	0.011924	1.31E-06	1.53E-02	0.002851	0.000109	0.02568	1.35E-06	0.028641
4298	485363.09	3856877.25	1.95554	1.64353	2.51463	2.97044	3.56E-03	0.00014	0.01336	3.2E-06	0.01707	4.37E-03	0.000171	0.016333	1.77E-06	2.09E-02	0.003851	0.000132	0.035177	1.83E-06	0.039162
4299	485863.09	3856877.25	3.08374	2.32088	3.92734	4.27649	5.62E-03	0.0002	0.02087	4.6E-06	0.02669	6.89E-03	0.000242	0.025509	2.55E-06	3.26E-02	0.006073	0.000186	0.05494	2.64E-06	0.061202
4300	486363.09	3856877.25	8.01541	3.81355	14.05573	3.2934	1.46E-02	0.00032	0.07468	3.5E-06	0.08962	1.79E-02	0.000398	0.091296	1.97E-06	1.10E-01	0.015786	0.000306	0.196626	2.03E-06	0.21272
4301	486863.09	3856877.25	10.05578	6.04413	19.50747	5.4863	1.83E-02	0.00051	0.10365	5.9E-06	0.1225	2.25E-02	0.00063	0.126707	3.27E-06	1.50E-01	0.019805	0.000485	0.27289	3.38E-06	0.293183
4302	487363.09	3856877.25	4.59356	4.19333	6.36394	2.9361	8.37E-03	0.00036	0.03381	3.1E-06	0.04255	1.03E-02	0.000437	0.041336	1.75E-06	5.20E-02	0.009047	0.000336	0.089025	1.81E-06	0.09841
4303	487863.09	3856877.25	2.81539	4.10846	3.88181	2.56426	5.13E-03	0.00035	0.02062	2.7E-06	0.02611	6.29E-03	0.000428	0.025214	1.53E-06	3.19E-02	0.005545	0.00033	0.054303	1.58E-06	0.060179
4304	488363.09	3856877.25	2.05316	3.6599	2.74103	2.31877	3.74E-03	0.00031	0.01456	2.5E-06	0.01862	4.59E-03	0.000382	0.017804	1.38E-06	2.28E-02	0.004044	0.000294	0.038344	1.43E-06	0.042683
4305	488863.09	3856877.25	1.62968	3.06744	2.08406	1.99765	2.97E-03	0.00026	0.01107	2.1E-06	0.01431	3.64E-03	0.00032	0.013537	1.19E-06	1.75E-02	0.00321	0.000246	0.029154	1.23E-06	0.032611
4306	489363.09	3856877.25	1.35714	2.47711	1.68366	1.71314	2.47E-03	0.00021	0.00895	1.8E-06	0.01163	3.03E-03	0.000258	0.010936	1.02E-06	1.42E-02	0.002673	0.000199	0.023553	1.06E-06	0.026425
4307	489863.09	3856877.25	1.1455	2.15584	1.39526	1.45224	2.09E-03	0.00018	0.00741	1.5E-06	0.00969	2.56E-03	0.000225	0.009063	8.67E-07	1.18E-02	0.002256	0.000173	0.019518	8.95E-07	0.021948
4308	490363.09	3856877.25	0.98135	1.74519	1.15896	1.19407	1.79E-03	0.00015	0.00616	1.3E-06	0.0081	2.19E-03	0.000182	0.007528	7.13E-07	9.90E-03	0.001933	0.00014	0.016213	7.36E-07	0.018286
4309	490863.09	3856877.25	0.85765	1.49447	1.00797	1.03069	1.56E-03	0.00013	0.00536	1.1E-06	0.00705	1.92E-03	0.000156	0.006547	6.15E-07	8.62E-03	0.001689	0.00012	0.0141	6.35E-07	0.01591
4310	491363.09	3856877.25	0.76192	1.2899	0.89341	0.88767	1.39E-03	0.00011	0.00475	9.5E-07	0.00625	1.70E-03	0.000135	0.005803	5.3E-07	7.64E-03	0.001501	0.000103	0.012498	5.47E-07	0.014103
4311	491863.09	3856877.25	0.67946	1.10225	0.79653	0.73475	1.24E-03	9.4E-05	0.00423	7.8E-07	0.00557	1.52E-03	0.000115	0.005174	4.39E-07	6.81E-03	0.001338	8.84E-05	0.011143	4.53E-07	0.01257
4312	492363.09	3856877.25	0.55296	0.85946	0.65994	0.47453	1.01E-03	7.3E-05	0.00351	5.1E-07	0.00459	1.24E-03	8.96E-05	0.004287	2.83E-07	5.61E-03	0.001089	6.89E-05	0.009232	2.93E-07	0.01039
4313	492863.09	3856877.25	0.40384	0.59501	0.48941	0.3276	7.36E-04	5.1E-05	0.0026	3.5E-07	0.00339	9.02E-04	6.2E-05	0.003179	1.96E-07	4.14E-03	0.000795	4.77E-05	0.006846	2.02E-07	0.00769
4314	493363.09	3856877.25	0.25869	0.36931	0.30553	0.23184	4.72E-04	3.1E-05	0.00162	2.5E-07	0.00213	5.78E-04	3.85E-05	0.001985	1.38E-07	2.60E-03	0.000509	2.96E-05	0.004274	1.43E-07	0.004813
4315	493863.09	3856877.25	0.15837	0.21403	0.18952	0.16298	2.89E-04	1.8E-05	0.00101	1.7E-07	0.00131	3.54E-04	2.23E-05	0.001231	9.73E-08	1.61E-03	0.000312	1.72E-05	0.002651	1E-07	0.00298
4316	494363.09	3856877.25	0.10591	0.14314	0.12706	0.12056	1.93E-04	1.2E-05	0.00068	1.3E-07	0.00088	2.37E-04	1.49E-05	0.000825	7.2E-08	1.08E-03	0.000209	1.15E-05	0.001777	7.43E-08	0.001998
4317	494863.09	3856877.25	0.0858	0.11776	0.10386	0.10301	1.56E-04	1E-05	0.00055	1.1E-07	0.00072	1.92E-04	1.23E-05	0.000675	6.15E-08	8.79E-04	0.000169	9.45E-06	0.001453	6.35E-08	0.001631
4318	495363.09	3856877.25	0.07707	0.10518	0.09303	0.09139	1.40E-04	9E-06	0.00049	9.7E-08	0.00064	1.72E-04	1.1E-05	0.000604	5.45E-08	7.87E-04	0.000152	8.44E-06	0.001301	5.63E-08	0.001462
4319	495863.09	3856877.25	0.07443	0.10199	0.0902	0.08693	1.36E-04	8.7E-06	0.00048	9.3E-08	0.00062	1.66E-04	1.06E-05	0.000586	5.19E-08	7.63E-04	0.000147	8.18E-06	0.001262	5.36E-08	0.001417
4320	496363.09	3856877.25	0.07445	0.09934	0.08888	0.08527	1.36E-04	8.5E-06	0.00047	9.1E-08	0.00062	1.66E-04	1.04E-05	0.000577	5.09E-08	7.54E-04	0.000147	7.97E-06	0.001243	5.26E-08	0.001398
4321	496863.09	3856877.25	0.07712	0.10007	0.08982	0.08633	1.41E-04	8.5E-06	0.00048	9.2E-08	0.00063	1.72E-04	1.04E-05	0.000583	5.15E-08	7.66E-04	0.000152	8.03E-06	0.001256	5.32E-08	0.001416
4322	497363.09	3856877.25	0.08256	0.10363	0.09569	0.08922	1.50E-04	8.8E-06	0.00051	9.5E-08	0.00067	1.84E-04	1.08E-05	0.000622	5.33E-08	8.17E-04	0.000163	8.31E-06	0.001339	5.5E-08	0.00151
4323	497863.09	3856877.25	0.09523	0.1172	0.1097	0.09879	1.74E-04	1E-05	0.00058	1.1E-07	0.00077	2.13E-04	1.22E-05	0.000713	5.9E-08	9.38E-04	0.000188	9.4E-06	0.001535	6.09E-08	0.001732
4324	498363.09	3856877.25	0.11403	0.13905	0.13219	0.11132	2.08E-04	1.2E-05	0.0007	1.2E-07	0.00092	2.55E-04	1.45E-05	0.000859	6.64E-08	1.13E-03	0.000225	1.12E-05	0.001849	6.86E-08	0.002085
4325	471363.09	3857377.25	0.08492	0.11698	0.10426	0.07456	1.55E-04	1E-05	0.00055	8E-08	0.00072	1.90E-04	1.22E-05	0.000677	4.45E-08	8.79E-04	0.000167	9.38E-06	0.001458	4.6E-08	0.001635
4326	471863.09	3857377.25	0.08679	0.12774	0.10502	0.07376	1.58E-04	1.1E-05	0.00056	7.9E-08	0.00073	1.94E-04	1.33E-05	0.000682	4.4E-08	8.89E-04	0.000171	1.02E-05	0.001469	4.55E-08	0.00165
4327	472363.09	3857377.25	0.0911	0.139	0.10841	0.07561	1.66E-04	1.2E-05	0.00058	8.1E-08	0.00075	2.03E-04	1.45E-05	0.000704	4.51E-08	9.22E-04	0.000179	1.12E-05	0.001517	4.66E-08	0.001707

4328	472863.09	3857377.25	0.09773	0.14381	0.11397	0.07951	1.78E-04	1.2E-05	0.00061	8.5E-08	0.0008	2.18E-04	1.5E-05	0.00074	4.75E-08	9.74E-04	0.000192	1.15E-05	0.001594	4.9E-08	0.001798
4329	473363.09	3857377.25	0.10538	0.1472	0.12119	0.08714	1.92E-04	1.3E-05	0.00064	9.3E-08	0.00085	2.35E-04	1.53E-05	0.000787	5.2E-08	1.04E-03	0.000208	1.18E-05	0.001695	5.37E-08	0.001915
4330	473863.09	3857377.25	0.11483	0.15738	0.13002	0.09687	2.09E-04	1.3E-05	0.00069	1E-07	0.00091	2.56E-04	1.64E-05	0.000845	5.78E-08	1.12E-03	0.000226	1.26E-05	0.001819	5.97E-08	0.002058
4331	474363.09	3857377.25	0.11419	0.16295	0.12878	0.08278	2.08E-04	1.4E-05	0.00068	8.8E-08	0.00091	2.55E-04	1.7E-05	0.000836	4.94E-08	1.11E-03	0.000225	1.31E-05	0.001802	5.1E-08	0.00204
4332	474863.09	3857377.25	0.08724	0.13398	0.09484	0.05583	1.59E-04	1.1E-05	0.0005	6E-08	0.00067	1.95E-04	1.4E-05	0.000616	3.33E-08	8.25E-04	0.000172	1.07E-05	0.001327	3.44E-08	0.001509
4333	475363.09	3857377.25	0.05523	0.08564	0.06416	0.0394	1.01E-04	7.3E-06	0.00034	4.2E-08	0.00045	1.23E-04	8.93E-06	0.000417	2.35E-08	5.49E-04	0.000109	6.87E-06	0.000898	2.43E-08	0.001013
4334	475863.09	3857377.25	0.05133	0.07873	0.05825	0.03835	9.36E-05	6.7E-06	0.00031	4.1E-08	0.00041	1.15E-04	8.21E-06	0.000378	2.29E-08	5.01E-04	0.000101	6.32E-06	0.000815	2.36E-08	0.000922
4335	476363.09	3857377.25	0.06697	0.10976	0.07951	0.04603	1.22E-04	9.3E-06	0.00042	4.9E-08	0.00055	1.50E-04	1.14E-05	0.000516	2.75E-08	6.78E-04	0.000132	8.8E-06	0.001112	2.84E-08	0.001253
4336	476863.09	3857377.25	0.07196	0.11769	0.08441	0.049	1.31E-04	1E-05	0.00045	5.2E-08	0.00059	1.61E-04	1.23E-05	0.000548	2.92E-08	7.21E-04	0.000142	9.44E-06	0.001181	3.02E-08	0.001332
4337	477363.09	3857377.25	0.06117	0.09614	0.0745	0.04663	1.12E-04	8.2E-06	0.0004	5E-08	0.00052	1.37E-04	1E-05	0.000484	2.78E-08	6.31E-04	0.00012	7.71E-06	0.001042	2.88E-08	0.00117
4338	477863.09	3857377.25	0.04503	0.06945	0.05268	0.03845	8.21E-05	5.9E-06	0.00028	4.1E-08	0.00037	1.01E-04	7.24E-06	0.000342	2.29E-08	4.50E-04	8.87E-05	5.57E-06	0.000737	2.37E-08	0.000831
4339	478363.09	3857377.25	0.03568	0.05176	0.04221	0.03376	6.50E-05	4.4E-06	0.00022	3.6E-08	0.00029	7.97E-05	5.4E-06	0.000274	2.01E-08	3.59E-04	7.03E-05	4.15E-06	0.00059	2.08E-08	0.000665
4340	478863.09	3857377.25	0.03244	0.04285	0.03573	0.03166	5.91E-05	3.6E-06	0.00019	3.4E-08	0.00025	7.25E-05	4.47E-06	0.000232	1.89E-08	3.09E-04	6.39E-05	3.44E-06	0.0005	1.95E-08	0.000567
4341	479363.09	3857377.25	0.0508	0.07494	0.05645	0.04326	9.26E-05	6.4E-06	0.0003	4.6E-08	0.0004	1.13E-04	7.81E-06	0.000367	2.58E-08	4.88E-04	0.0001	6.01E-06	0.00079	2.67E-08	0.000896
4342	479863.09	3857377.25	0.16239	0.24224	0.18677	0.08791	2.96E-04	2.1E-05	0.00099	9.4E-08	0.00131	3.63E-04	2.53E-05	0.001213	5.25E-08	1.60E-03	0.00032	1.94E-05	0.002613	5.42E-08	0.002952
4343	480363.09	3857377.25	0.12712	0.18116	0.14139	0.07517	2.32E-04	1.5E-05	0.00075	8E-08	0.001	2.84E-04	1.89E-05	0.000918	4.49E-08	1.22E-03	0.00025	1.45E-05	0.001978	4.63E-08	0.002243
4344	480863.09	3857377.25	0.4111	0.49945	0.44848	0.27046	7.49E-04	4.3E-05	0.00238	2.9E-07	0.00318	9.18E-04	5.21E-05	0.002913	1.61E-07	3.88E-03	0.00081	4.01E-05	0.006274	1.67E-07	0.007124
4345	481363.09	3857377.25	0.4594	0.60753	0.50276	0.30165	8.37E-04	5.2E-05	0.00267	3.2E-07	0.00356	1.03E-03	6.34E-05	0.003266	1.8E-07	4.36E-03	0.000905	4.87E-05	0.007033	1.86E-07	0.007987
4346	481863.09	3857377.25	0.54778	0.66066	0.59253	0.4414	9.99E-04	5.6E-05	0.00315	4.7E-07	0.0042	1.22E-03	6.89E-05	0.003849	2.63E-07	5.14E-03	0.001079	5.3E-05	0.008289	2.72E-07	0.009421
4347	482363.09	3857377.25	0.60039	0.6847	0.67239	0.64579	1.09E-03	5.8E-05	0.00357	6.9E-07	0.00473	1.34E-03	7.14E-05	0.004367	3.85E-07	5.78E-03	0.001182	5.49E-05	0.009406	3.98E-07	0.010644
4348	482863.09	3857377.25	0.64861	0.77307	0.7571	0.77493	1.18E-03	6.6E-05	0.00402	8.3E-07	0.00527	1.45E-03	8.06E-05	0.004918	4.63E-07	6.45E-03	0.001277	6.2E-05	0.010591	4.78E-07	0.011931
4349	483363.09	3857377.25	0.74463	0.76407	0.87637	0.95785	1.36E-03	6.5E-05	0.00466	1E-06	0.00608	1.66E-03	7.97E-05	0.005692	5.72E-07	7.44E-03	0.001467	6.13E-05	0.01226	5.91E-07	0.013788
4350	483863.09	3857377.25	0.83223	0.91299	1.04798	1.13521	1.52E-03	7.8E-05	0.00557	1.2E-06	0.00716	1.86E-03	9.52E-05	0.006807	6.78E-07	8.76E-03	0.001639	7.32E-05	0.01466	7E-07	0.016373
4351	484363.09	3857377.25	0.939	0.9377	1.16965	1.38769	1.71E-03	8E-05	0.00621	1.5E-06	0.00801	2.10E-03	9.78E-05	0.007597	8.28E-07	9.79E-03	0.001849	7.52E-05	0.016362	8.56E-07	0.018288
4352	484863.09	3857377.25	1.10373	1.14449	1.35529	1.61372	2.01E-03	9.7E-05	0.0072	1.7E-06	0.00931	2.47E-03	0.000119	0.008803	9.63E-07	1.14E-02	0.002174	9.18E-05	0.018959	9.95E-07	0.021226
4353	485363.09	3857377.25	1.31392	1.40773	1.61266	2.05946	2.40E-03	0.00012	0.00857	2.2E-06	0.01109	2.93E-03	0.000147	0.010475	1.23E-06	1.36E-02	0.002588	0.000113	0.022559	1.27E-06	0.025261
4354	485863.09	3857377.25	1.66497	2.03326	1.99773	2.62585	3.03E-03	0.00017	0.01061	2.8E-06	0.01383	3.72E-03	0.000212	0.012976	1.57E-06	1.69E-02	0.003279	0.000163	0.027946	1.62E-06	0.03139
4355	486363.09	3857377.25	2.60047	4.44219	2.86044	3.74549	4.74E-03	0.00038	0.0152	4E-06	0.02032	5.81E-03	0.000463	0.018579	2.24E-06	2.49E-02	0.005122	0.000356	0.040015	2.31E-06	0.045495
4356	486863.09	3857377.25	6.09617	20.76622	5.06469	3.35327	1.11E-02	0.00177	0.02691	3.6E-06	0.03979	1.36E-02	0.002165	0.032897	2E-06	4.87E-02	0.012006	0.001666	0.07085	2.07E-06	0.084524
4357	487363.09	3857377.25	5.9549	42.03981	6.92392	7.54415	1.09E-02	0.00358	0.03679	8E-06	0.05123	1.33E-02	0.004384	0.044973	4.5E-06	6.27E-02	0.011728	0.003372	0.096859	4.65E-06	0.111964
4358	487863.09	3857377.25	3.0439	12.50634	3.66801	4.59309	5.55E-03	0.00106	0.01949	4.9E-06	0.02611	6.80E-03	0.001304	0.023825	2.74E-06	3.19E-02	0.005995	0.001003	0.051312	2.83E-06	0.058313
4359	488363.09	3857377.25	2.151	6.15056	2.42772	3.50847	3.92E-03	0.00052	0.0129	3.7E-06	0.01735	4.80E-03	0.000641	0.015769	2.09E-06	2.12E-02	0.004236	0.000493	0.033961	2.16E-06	0.038693
4360	488863.09	3857377.25	1.66625	3.902	1.85623	2.72349	3.04E-03	0.00033	0.00986	2.9E-06	0.01323	3.72E-03	0.000407	0.012057	1.63E-06	1.62E-02	0.003282	0.000313	0.025967	1.68E-06	0.029563
4361	489363.09	3857377.25	1.37923	2.84805	1.44811	2.13043	2.51E-03	0.00024	0.00769	2.3E-06	0.01045	3.08E-03	0.000297	0.009406	1.27E-06	1.28E-02	0.002716	0.000228	0.020258	1.31E-06	0.023204
4362	489863.09	3857377.25	1.17812	2.19329	1.19511	1.73702	2.15E-03	0.00019	0.00635	1.9E-06	0.00869	2.63E-03	0.000229	0.007763	1.04E-06	1.06E-02	0.00232	0.000176	0.016718	1.07E-06	0.019216
4363	490363.09	3857377.25	0.9752	1.74918	1.02795	1.37462	1.78E-03	0.00015	0.00546	1.5E-06	0.00739	2.18E-03	0.000182	0.006677	8.2E-07	9.04E-03	0.001921	0.00014	0.01438	8.48E-07	0.016442
4364	490863.09	3857377.25	0.83026	1.40635	0.89861	1.12926	1.51E-03	0.00012	0.00477	1.2E-06	0.00641	1.85E-03	0.000147	0.005837	6.74E-07	7.84E-03	0.001635	0.000113	0.012571	6.96E-07	0.014319
4365	491363.09	3857377.25	0.74149	1.20322	0.79902	0.9445	1.35E-03	0.0001	0.00425	1E-06	0.0057	1.66E-03	0.000125	0.00519	5.64E-07	6.97E-03	0.00146	9.65E-05	0.011177	5.82E-07	0.012735
4366	491863.09	3857377.25	0.66747	1.02973	0.73974	0.73219	1.22E-03	8.8E-05	0.00393	7.8E-07	0.00524	1.49E-03	0.000107	0.004805	4.37E-07	6.40E-03	0.001315	8.26E-05	0.010348	4.51E-07	0.011746
4367	492363.09	3857377.25	0.48865	0.74287	0.58074	0.42345	8.91E-04	6.3E-05	0.00309	4.5E-07	0.00404	1.09E-03	7.75E-05	0.003772	2.53E-07	4.94E-03	0.000962	5.96E-05	0.008124	2.61E-07	0.009146
4368	492863.09	3857377.25	0.29228	0.4202	0.34357	0.27125	5.33E-04	3.6E-05	0.00183	2.9E-07	0.00239	6.53E-04	4.38E-05	0.002232	1.62E-07	2.93E-03	0.000576	3.37E-05	0.004806	1.67E-07	0.005416
4369	493363.09	3857377.25	0.17502	0.24975	0.20741	0.18569	3.19E-04	2.1E-05	0.0011	2E-07	0.00144	3.91E-04	2.6E-05	0.001347	1.11E-07	1.76E-03	0.000345	2E-05	0.002901	1.14E-07	0.003266
4370	493863.09	3857377.25	0.14113	0.20161	0.16575	0.15402	2.57E-04	1.7E-05	0.00088	1.6E-07	0.00116	3.15E-04	2.1E-05	0.001077	9.19E-08	1.41E-03	0.000278	1.62E-05	0.002319	9.5E-08	0.002613
4371	494363.09	3857377.25	0.11226	0.15483	0.12963	0.12723	2.05E-04	1.3E-05	0.00069	1.4E-07	0.00091	2.51E-04	1.61E-05	0.000842	7.59E-08	1.11E-03	0.000221	1.24E-05	0.001813	7.84E-08	0.002047
4372	494863.09	3857377.25	0.09948	0.13651	0.11333	0.1124	1.81E-04	1.2E-05	0.0006	1.2E-07	0.0008	2.22E-04	1.42E-05	0.000736	6.71E-08	9.73E-04	0.000196	1.1E-05	0.001585	6.93E-08	0.001792
4373	495363.09	3857377.25	0.08953	0.12216	0.10207	0.10064	1.63E-04	1E-05	0.00054	1.1E-07	0.00072	2.00E-04	1.27E-05	0.000663	6.01E-08	8.76E-04	0.000176	9.8E-06	0.001428	6.21E-08	0.001614
4374	495863.09	3857377.25	0.08684	0.11451	0.09933	0.09704	1.58E-04	9.7E-06	0.00053	1E-07	0.0007	1.94E-04	1.19E-05	0.000645	5.79E-08	8.51E-04	0.000171	9.19E-06	0.00139	5.98E-08	0.00157
4375	496363.09	3857377.25	0.08623	0.11147	0.09839	0.0945	1.57E-04	9.5E-06	0.00052	1E-07	0.00069	1.93E-04	1.16E-05	0.000639	5.64E-08	8.43E-04	0.00017	8.94E-06	0.001376	5.83E-08	0.001555
4376	496863.09	3857377.25	0.0865	0.10963	0.09826	0.09411	1.58E-04	9.3E-06	0.00052	1E-07	0.00069	1.93E-04	1.14E-05	0.000638	5.62E-08	8.43E-04	0.00017	8.79E-06	0.001375	5.8E-08	0.001554
4377	497363.09	3857377.25	0.09198	0.11243	0.1051	0.09777	1.68E-04	9.6E-06	0.00056	1E-07	0.00074	2.05E-04	1.17E-05	0.000683	5.84E-08	9.00E-04	0.000181	9.02E-06	0.00147	6.03E-08	0.00166
4378	497863.09	3857377.25	0.10247	0.1247	0.11547	0.10356	1.87E-04	1.1E-05	0.00061	1.1E-07	0.00081	2.29E-04	1.3E-05	0.00075	6.18E-08	9.92E-04	0.000202	1E-05	0.001615	6.39E-08	0.001827
4379	498363.09	3857377.25	0.13814	0.17165	0.15698	0.12811	2.52E-04	1.5E-05	0.00083	1.4E-07	0.0011	3.09E-04	1.79E-05	0.00102	7.65E-08	1.35E-03	0.000272	1.38E-05	0.002196	7.9E-08	0.002482
4380	471363.09	3857877.25	0.08619	0.1067	0.10356	0.06942	1.57E-04	9.1E-06	0.00055	7.4E-08	0.00072	1.93E-04	1.11E-05	0.000673	4.14E-08	8.76E-04	0.00017	8.56E-06	0.001449	4.28E-08	0.001627
4381	471863.09	3857877.25	0.08862	0.10576	0.10708	0.07088	1.62E-04	9E-06	0.00057	7.6E-08	0.00074	1.98E-04	1.1E-05	0.000696	4.23E-08	9.05E-04	0.000175	8.48E-06	0.001498	4.37E-08	0.001681
4382	472363.09	3857877.25	0.09202	0.1142	0.11272	0.07405	1.68E-04	9.7E-06	0.0006	7.9E-08	0.00078	2.06E-04	1.19E-05	0.000732	4.42E-08	9.50E-04	0.000181	9.16E-06	0.001577	4.57E-08	0.001767
4383	472863.09	3857877.25	0.10046	0.12798	0.12007	0.08073	1.83E-04	1.1E-05	0.00064	8.6E-08	0.00083	2.24E-04	1.33E-05	0.00078	4.82E-08	1.02E-03	0.000198	1.03E-05	0.00168	4.98E-08	0.001888
4384	473363.09	3857877.25	0.10528	0.13461	0.12622	0.08363	1.92E-04	1.1E-05	0.00067	8.9E-08	0.00087	2.35E-04	1.4E-05	0.00082	4.99E-08	1.07E-03	0.000207	1.08E-05	0.001766	5.16E-08	0.001984
4385	473863.09	3857877.25	0.11119	0.14805	0.13263	0.09236	2.03E-04	1.3E-05	0.0007	9.9E-08	0.00092	2.48E-04	1.54E-05	0.000861	5.51E-08	1.13E-03	0.000219	1.19E-05	0.001855	5.69E-08	0.002086
4386	474363.09	3857877.25	0.10921	0.15849	0.12759	0.07146	1.99E-04	1.3E-05	0.00068	7.6E-08	0.00089	2.44E-04	1.65E-05	0.000829	4.27E-08	1.09E-03	0.000215	1.27E-05	0.001785	4.41E-08	0.002013
4387	474863.09	3857877.25	0.07738	0.12488	0.08974	0.04998	1.41E-04	1.1E-05	0.00048	5.3E-08	0.00063	1.73E-04	1.3E-05	0.000583	2.98E-08	7.69E-04	0.000152	1E-05	0.001255	3.08E-08	0.001418
4388	475363.09	3857877.25	0.03991	0.06509	0.04958	0.03201	7.27E-05	5.5E-06	0.00026	3.4E-08	0.00034	8.91E-05	6.79E-06	0.000322	1.91E-08	4.18E-04	7.86E-05	5.22E-06	0.000694	1.97E-08	0.000777

4389	475863.09	3857877.25	0.01977	0.02484	0.02192	0.01932	3.60E-05	2.1E-06	0.00012	2.1E-08	0.00015	4.42E-05	2.59E-06	0.000142	1.15E-08	1.89E-04	3.89E-05	1.99E-06	0.000307	1.19E-08	0.000348
4390	476363.09	3857877.25	0.04525	0.07085	0.05663	0.03626	8.25E-05	6E-06	0.0003	3.9E-08	0.00039	1.01E-04	7.39E-06	0.000368	2.16E-08	4.76E-04	8.91E-05	5.68E-06	0.000792	2.24E-08	0.000887
4391	476863.09	3857877.25	0.05966	0.08662	0.06886	0.04419	1.09E-04	7.4E-06	0.00037	4.7E-08	0.00048	1.33E-04	9.03E-06	0.000447	2.64E-08	5.90E-04	0.000117	6.95E-06	0.000963	2.72E-08	0.001088
4392	477363.09	3857877.25	0.05563	0.08545	0.06727	0.04315	1.01E-04	7.3E-06	0.00036	4.6E-08	0.00047	1.24E-04	8.91E-06	0.000437	2.58E-08	5.70E-04	0.00011	6.85E-06	0.000941	2.66E-08	0.001057
4393	477863.09	3857877.25	0.05284	0.0799	0.06324	0.04247	9.63E-05	6.8E-06	0.00034	4.5E-08	0.00044	1.18E-04	8.33E-06	0.000411	2.53E-08	5.37E-04	0.000104	6.41E-06	0.000885	2.62E-08	0.000995
4394	478363.09	3857877.25	0.0321	0.0444	0.03669	0.03057	5.85E-05	3.8E-06	0.00019	3.3E-08	0.00026	7.17E-05	4.63E-06	0.000238	1.82E-08	3.15E-04	6.32E-05	3.56E-06	0.000513	1.88E-08	0.00058
4395	478863.09	3857877.25	0.02705	0.0375	0.03057	0.02647	4.93E-05	3.2E-06	0.00016	2.8E-08	0.00021	6.04E-05	3.91E-06	0.000199	1.58E-08	2.63E-04	5.33E-05	3.01E-06	0.000428	1.63E-08	0.000484
4396	479363.09	3857877.25	0.14796	0.2212	0.17105	0.07776	2.70E-04	1.9E-05	0.00091	8.3E-08	0.0012	3.31E-04	2.31E-05	0.001111	4.64E-08	1.46E-03	0.000291	1.77E-05	0.002393	4.79E-08	0.002702
4397	479863.09	3857877.25	0.29604	0.38287	0.33735	0.16694	5.40E-04	3.3E-05	0.00179	1.8E-07	0.00236	6.61E-04	3.99E-05	0.002191	9.96E-08	2.89E-03	0.000583	3.07E-05	0.004719	1.03E-07	0.005333
4398	480363.09	3857877.25	0.34693	0.45987	0.39488	0.24247	6.32E-04	3.9E-05	0.0021	2.6E-07	0.00277	7.75E-04	4.8E-05	0.002565	1.45E-07	3.39E-03	0.000683	3.69E-05	0.005524	1.49E-07	0.006244
4399	480863.09	3857877.25	0.38544	0.53614	0.42661	0.27327	7.03E-04	4.6E-05	0.00227	2.9E-07	0.00302	8.61E-04	5.59E-05	0.002771	1.63E-07	3.69E-03	0.000759	4.3E-05	0.005968	1.68E-07	0.00677
4400	481363.09	3857877.25	0.43553	0.54154	0.48673	0.31694	7.94E-04	4.6E-05	0.00259	3.4E-07	0.00343	9.73E-04	5.65E-05	0.003161	1.89E-07	4.19E-03	0.000858	4.34E-05	0.006809	1.95E-07	0.00771
4401	481863.09	3857877.25	0.49393	0.60024	0.56705	0.39045	9.00E-04	5.1E-05	0.00301	4.2E-07	0.00396	1.10E-03	6.26E-05	0.003683	2.33E-07	4.85E-03	0.000973	4.81E-05	0.007932	2.41E-07	0.008954
4402	482363.09	3857877.25	0.53524	0.67934	0.6194	0.5583	9.76E-04	5.8E-05	0.00329	6E-07	0.00433	1.20E-03	7.08E-05	0.004023	3.33E-07	5.29E-03	0.001054	5.45E-05	0.008665	3.44E-07	0.009774
4403	482863.09	3857877.25	0.55426	0.73043	0.6536	0.717	1.01E-03	6.2E-05	0.00347	7.6E-07	0.00455	1.24E-03	7.62E-05	0.004245	4.28E-07	5.56E-03	0.001092	5.86E-05	0.009143	4.42E-07	0.010294
4404	483363.09	3857877.25	0.6396	0.69749	0.73858	0.85412	1.17E-03	5.9E-05	0.00392	9.1E-07	0.00515	1.43E-03	7.27E-05	0.004797	5.1E-07	6.30E-03	0.00126	5.6E-05	0.010332	5.27E-07	0.011648
4405	483863.09	3857877.25	0.70892	0.79349	0.8577	0.95976	1.29E-03	6.8E-05	0.00456	1E-06	0.00592	1.58E-03	8.27E-05	0.005571	5.73E-07	7.24E-03	0.001396	6.37E-05	0.011998	5.92E-07	0.013459
4406	484363.09	3857877.25	0.77804	0.84298	0.92249	1.10041	1.42E-03	7.2E-05	0.0049	1.2E-06	0.00639	1.74E-03	8.79E-05	0.005992	6.57E-07	7.82E-03	0.001532	6.76E-05	0.012905	6.78E-07	0.014505
4407	484863.09	3857877.25	0.87434	1.07725	1.00996	1.25552	1.59E-03	9.2E-05	0.00537	1.3E-06	0.00705	1.95E-03	0.000112	0.00656	7.49E-07	8.63E-03	0.001722	8.64E-05	0.014128	7.74E-07	0.015937
4408	485363.09	3857877.25	0.96394	1.3291	1.10792	1.47102	1.76E-03	0.00011	0.00589	1.6E-06	0.00776	2.15E-03	0.000139	0.007196	8.78E-07	9.49E-03	0.001898	0.000107	0.015499	9.07E-07	0.017505
4409	485863.09	3857877.25	1.10923	1.97656	1.18063	1.76306	2.02E-03	0.00017	0.00627	1.9E-06	0.00846	2.48E-03	0.000206	0.007669	1.05E-06	1.04E-02	0.002185	0.000159	0.016516	1.09E-06	0.01886
4410	486363.09	3857877.25	1.34542	3.25187	1.2841	2.26346	2.45E-03	0.00028	0.00682	2.4E-06	0.00955	3.01E-03	0.000339	0.008341	1.35E-06	1.17E-02	0.00265	0.000261	0.017963	1.4E-06	0.020875
4411	486863.09	3857877.25	1.86263	4.30358	1.43092	3.23973	3.40E-03	0.00037	0.0076	3.5E-06	0.01137	4.16E-03	0.000449	0.009294	1.93E-06	1.39E-02	0.003668	0.000345	0.020017	2E-06	0.024033
4412	487363.09	3857877.25	3.89413	4.62979	1.86018	6.19131	7.10E-03	0.00039	0.00988	6.6E-06	0.01738	8.70E-03	0.000483	0.012082	3.7E-06	2.13E-02	0.007669	0.000371	0.026022	3.82E-06	0.034067
4413	487863.09	3857877.25	4.11013	4.0972	1.94766	11.38011	7.49E-03	0.00035	0.01035	1.2E-05	0.0182	9.18E-03	0.000427	0.012651	6.79E-06	2.23E-02	0.008095	0.000329	0.027246	7.02E-06	0.035676
4414	488363.09	3857877.25	2.19577	3.39329	1.71702	5.96683	4.00E-03	0.00029	0.00912	6.4E-06	0.01342	4.90E-03	0.000354	0.011153	3.56E-06	1.64E-02	0.004324	0.000272	0.024019	3.68E-06	0.02862
4415	488863.09	3857877.25	1.55811	2.46953	1.35276	3.48893	2.84E-03	0.00021	0.00719	3.7E-06	0.01024	3.48E-03	0.000258	0.008787	2.08E-06	1.25E-02	0.003069	0.000198	0.018924	2.15E-06	0.022193
4416	489363.09	3857877.25	1.26951	2.08698	1.18736	2.32732	2.31E-03	0.00018	0.00631	2.5E-06	0.0088	2.84E-03	0.000218	0.007712	1.39E-06	1.08E-02	0.0025	0.000167	0.01661	1.43E-06	0.019279
4417	489863.09	3857877.25	1.05456	1.72986	0.98485	1.67949	1.92E-03	0.00015	0.00523	1.8E-06	0.0073	2.36E-03	0.00018	0.006397	1E-06	8.93E-03	0.002077	0.000139	0.013777	1.04E-06	0.015994
4418	490363.09	3857877.25	0.91383	1.45502	0.87127	1.37067	1.67E-03	0.00012	0.00463	1.5E-06	0.00642	2.04E-03	0.000152	0.005659	8.18E-07	7.85E-03	0.0018	0.000117	0.012188	8.45E-07	0.014106
4419	490863.09	3857877.25	0.78574	1.24547	0.80008	1.13926	1.43E-03	0.00011	0.00425	1.2E-06	0.00579	1.76E-03	0.00013	0.005197	6.8E-07	7.08E-03	0.001547	9.99E-05	0.011192	7.02E-07	0.01284
4420	491363.09	3857877.25	0.68341	1.11664	0.72355	0.86012	1.25E-03	9.5E-05	0.00384	9.2E-07	0.00519	1.53E-03	0.000116	0.0047	5.13E-07	6.34E-03	0.001346	8.96E-05	0.010122	5.3E-07	0.011558
4421	491863.09	3857877.25	0.59072	0.94361	0.68067	0.58909	1.08E-03	8E-05	0.00362	6.3E-07	0.00477	1.32E-03	9.84E-05	0.004421	3.52E-07	5.84E-03	0.001163	7.57E-05	0.009522	3.63E-07	0.010761
4422	492363.09	3857877.25	0.3826	0.56687	0.45249	0.32678	6.97E-04	4.8E-05	0.0024	3.5E-07	0.00315	8.55E-04	5.91E-05	0.002939	1.95E-07	3.85E-03	0.000754	4.55E-05	0.00633	2.01E-07	0.007129
4423	492863.09	3857877.25	0.21694	0.31321	0.24896	0.21533	3.95E-04	2.7E-05	0.00132	2.3E-07	0.00175	4.85E-04	3.27E-05	0.001617	1.29E-07	2.13E-03	0.000427	2.51E-05	0.003483	1.33E-07	0.003935
4424	493363.09	3857877.25	0.16599	0.24344	0.18999	0.17595	3.03E-04	2.1E-05	0.00101	1.9E-07	0.00133	3.71E-04	2.54E-05	0.001234	1.05E-07	1.63E-03	0.000327	1.95E-05	0.002658	1.08E-07	0.003004
4425	493863.09	3857877.25	0.14657	0.20662	0.16547	0.15452	2.67E-04	1.8E-05	0.00088	1.6E-07	0.00116	3.27E-04	2.15E-05	0.001075	9.22E-08	1.42E-03	0.000289	1.66E-05	0.002315	9.53E-08	0.00262
4426	494363.09	3857877.25	0.13267	0.18036	0.15051	0.14124	2.42E-04	1.5E-05	0.0008	1.5E-07	0.00106	2.96E-04	1.88E-05	0.000978	8.43E-08	1.29E-03	0.000261	1.45E-05	0.002105	8.71E-08	0.002381
4427	494863.09	3857877.25	0.11142	0.14616	0.12592	0.1219	2.03E-04	1.2E-05	0.00067	1.3E-07	0.00088	2.49E-04	1.52E-05	0.000818	7.28E-08	1.08E-03	0.000219	1.17E-05	0.001761	7.52E-08	0.001993
4428	495363.09	3857877.25	0.10579	0.13762	0.1179	0.11326	1.93E-04	1.2E-05	0.00063	1.2E-07	0.00083	2.36E-04	1.44E-05	0.000766	6.76E-08	1.02E-03	0.000208	1.1E-05	0.001649	6.98E-08	0.001869
4429	495863.09	3857877.25	0.09939	0.13161	0.11047	0.10492	1.81E-04	1.1E-05	0.00059	1.1E-07	0.00078	2.22E-04	1.37E-05	0.000718	6.26E-08	9.53E-04	0.000196	1.06E-05	0.001545	6.47E-08	0.001752
4430	496363.09	3857877.25	0.10024	0.12941	0.11359	0.10459	1.83E-04	1.1E-05	0.0006	1.1E-07	0.0008	2.24E-04	1.35E-05	0.000738	6.24E-08	9.75E-04	0.000197	1.04E-05	0.001589	6.45E-08	0.001797
4431	496863.09	3857877.25	0.1011	0.12873	0.11637	0.10386	1.84E-04	1.1E-05	0.00062	1.1E-07	0.00081	2.26E-04	1.34E-05	0.000756	6.2E-08	9.95E-04	0.000199	1.03E-05	0.001628	6.4E-08	0.001837
4432	497363.09	3857877.25	0.10333	0.1268	0.11594	0.10236	1.88E-04	1.1E-05	0.00062	1.1E-07	0.00082	2.31E-04	1.32E-05	0.000753	6.11E-08	9.97E-04	0.000204	1.02E-05	0.001622	6.31E-08	0.001836
4433	497863.09	3857877.25	0.12374	0.15089	0.13449	0.11415	2.26E-04	1.3E-05	0.00071	1.2E-07	0.00095	2.76E-04	1.57E-05	0.000874	6.81E-08	1.17E-03	0.000244	1.21E-05	0.001881	7.04E-08	0.002137
4434	498363.09	3857877.25	0.14811	0.18549	0.16889	0.13421	2.70E-04	1.6E-05	0.0009	1.4E-07	0.00118	3.31E-04	1.93E-05	0.001097	8.01E-08	1.45E-03	0.000292	1.49E-05	0.002363	8.27E-08	0.002669
4435	471363.09	3858377.25	0.08803	0.12026	0.10372	0.07764	1.60E-04	1E-05	0.00055	8.3E-08	0.00072	1.97E-04	1.25E-05	0.000674	4.63E-08	8.83E-04	0.000173	9.65E-06	0.001451	4.79E-08	0.001634
4436	471863.09	3858377.25	0.09246	0.12695	0.10611	0.07699	1.69E-04	1.1E-05	0.00056	8.2E-08	0.00074	2.07E-04	1.32E-05	0.000689	4.6E-08	9.09E-04	0.000182	1.02E-05	0.001484	4.75E-08	0.001677
4437	472363.09	3858377.25	0.09725	0.13949	0.11341	0.07615	1.77E-04	1.2E-05	0.0006	8.1E-08	0.00079	2.17E-04	1.45E-05	0.000737	4.54E-08	9.68E-04	0.000192	1.12E-05	0.001586	4.7E-08	0.001789
4438	472863.09	3858377.25	0.10327	0.15348	0.11981	0.07983	1.88E-04	1.3E-05	0.00064	8.5E-08	0.00084	2.31E-04	1.6E-05	0.000778	4.76E-08	1.02E-03	0.000203	1.23E-05	0.001676	4.92E-08	0.001892
4439	473363.09	3858377.25	0.11034	0.16667	0.12883	0.0949	2.01E-04	1.4E-05	0.00068	1E-07	0.0009	2.46E-04	1.74E-05	0.000837	5.66E-08	1.10E-03	0.000217	1.34E-05	0.001802	5.85E-08	0.002033
4440	473863.09	3858377.25	0.1142	0.17384	0.13618	0.08839	2.08E-04	1.5E-05	0.00072	9.4E-08	0.00095	2.55E-04	1.81E-05	0.000885	5.28E-08	1.16E-03	0.000225	1.39E-05	0.001905	5.45E-08	0.002144
4441	474363.09	3858377.25	0.10728	0.17201	0.12133	0.07041	1.96E-04	1.5E-05	0.00064	7.5E-08	0.00085	2.40E-04	1.79E-05	0.000788	4.2E-08	1.05E-03	0.000211	1.38E-05	0.001697	4.34E-08	0.001922
4442	474863.09	3858377.25	0.08722	0.13505	0.09484	0.05217	1.59E-04	1.1E-05	0.0005	5.6E-08	0.00067	1.95E-04	1.41E-05	0.000616	3.11E-08	8.25E-04	0.000172	1.08E-05	0.001327	3.22E-08	0.001509
4443	475363.09	3858377.25	0.05437	0.07908	0.06303	0.03665	9.91E-05	6.7E-06	0.00033	3.9E-08	0.00044	1.21E-04	8.25E-06	0.000409	2.19E-08	5.39E-04	0.000107	6.34E-06	0.000882	2.26E-08	0.000995
4444	475863.09	3858377.25	0.03567	0.05545	0.04349	0.02965	6.50E-05	4.7E-06	0.00023	3.2E-08	0.0003	7.97E-05	5.78E-06	0.000282	1.77E-08	3.68E-04	7.03E-05	4.45E-06	0.000608	1.83E-08	0.000683
4445	476363.09	3858377.25	0.03938	0.05947	0.04598	0.0324	7.18E-05	5.1E-06	0.00024	3.5E-08	0.00032	8.80E-05	6.2E-06	0.000299	1.93E-08	3.93E-04	7.76E-05	4.77E-06	0.000643	2E-08	0.000726
4446	476863.09	3858377.25	0.04379	0.06295	0.05029	0.03493	7.98E-05	5.4E-06	0.00027	3.7E-08	0.00035	9.78E-05	6.56E-06	0.000327	2.08E-08	4.31E-04	8.62E-05	5.05E-06	0.000704	2.15E-08	0.000795
4447	477363.09	3858377.25	0.04232	0.06177	0.04864	0.03474	7.71E-05	5.3E-06	0.00026	3.7E-08	0.00034	9.45E-05	6.44E-06	0.000316	2.07E-08	4.17E-04	8.33E-05	4.96E-06	0.00068	2.14E-08	0.000769
4448	477863.09	3858377.25	0.05836	0.08385	0.06467	0.04052	1.06E-04	7.1E-06	0.00034	4.3E-08	0.00046	1.30E-04	8.74E-06	0.00042	2.42E-08	5.59E-04	0.000115	6.73E-06	0.000905	2.5E-08	0.001026
4449	478363.09	3858377.25	0.06436	0.09134	0.07211	0.0431	1.17E-04	7.8E-06	0.00038	4.6E-08	0.00051	1.44E-04	9.52E-06	0.000468	2.57E-08	6.22E-04	0.000127	7.33E-06	0.001009	2.66E-08	0.001143

4450	478863.09	3858377.25	0.04469	0.06014	0.048	0.03593	8.15E-05	5.1E-06	0.00026	3.8E-08	0.00034	9.98E-05	6.27E-06	0.000312	2.14E-08	4.18E-04	8.8E-05	4.82E-06	0.000671	2.22E-08	0.000764
4451	479363.09	3858377.25	0.16104	0.2306	0.18713	0.08291	2.94E-04	2E-05	0.00099	8.8E-08	0.00131	3.60E-04	2.4E-05	0.001215	4.95E-08	1.60E-03	0.000317	1.85E-05	0.002618	5.11E-08	0.002953
4452	479863.09	3858377.25	0.29625	0.38311	0.32979	0.20094	5.40E-04	3.3E-05	0.00175	2.1E-07	0.00233	6.62E-04	3.99E-05	0.002142	1.2E-07	2.84E-03	0.000583	3.07E-05	0.004613	1.24E-07	0.005228
4453	480363.09	3858377.25	0.33562	0.42742	0.36795	0.26923	6.12E-04	3.6E-05	0.00195	2.9E-07	0.0026	7.50E-04	4.46E-05	0.00239	1.61E-07	3.18E-03	0.000661	3.43E-05	0.005147	1.66E-07	0.005843
4454	480863.09	3858377.25	0.36678	0.44095	0.40223	0.29573	6.69E-04	3.8E-05	0.00214	3.2E-07	0.00284	8.19E-04	4.6E-05	0.002613	1.77E-07	3.48E-03	0.000722	3.54E-05	0.005627	1.82E-07	0.006385
4455	481363.09	3858377.25	0.40205	0.47308	0.44062	0.34162	7.33E-04	4E-05	0.00234	3.6E-07	0.00311	8.98E-04	4.93E-05	0.002862	2.04E-07	3.81E-03	0.000792	3.79E-05	0.006164	2.11E-07	0.006994
4456	481863.09	3858377.25	0.43304	0.52429	0.50983	0.37604	7.89E-04	4.5E-05	0.00271	4E-07	0.00354	9.67E-04	5.47E-05	0.003311	2.24E-07	4.33E-03	0.000853	4.21E-05	0.007132	2.32E-07	0.008027
4457	482363.09	3858377.25	0.46677	0.59795	0.56773	0.4636	8.51E-04	5.1E-05	0.00302	4.9E-07	0.00392	1.04E-03	6.24E-05	0.003688	2.77E-07	4.79E-03	0.000919	4.8E-05	0.007942	2.86E-07	0.00891
4458	482863.09	3858377.25	0.53148	0.65273	0.62441	0.62829	9.69E-04	5.6E-05	0.00332	6.7E-07	0.00434	1.19E-03	6.81E-05	0.004056	3.75E-07	5.31E-03	0.001047	5.24E-05	0.008735	3.87E-07	0.009834
4459	483363.09	3858377.25	0.56936	0.67846	0.64151	0.77116	1.04E-03	5.8E-05	0.00341	8.2E-07	0.0045	1.27E-03	7.07E-05	0.004167	4.6E-07	5.51E-03	0.001121	5.44E-05	0.008974	4.75E-07	0.01015
4460	483863.09	3858377.25	0.59321	0.70027	0.66528	0.85691	1.08E-03	6E-05	0.00353	9.1E-07	0.00468	1.33E-03	7.3E-05	0.004321	5.11E-07	5.72E-03	0.001168	5.62E-05	0.009307	5.28E-07	0.010532
4461	484363.09	3858377.25	0.62707	0.84525	0.69529	0.94904	1.14E-03	7.2E-05	0.00369	1E-06	0.00491	1.40E-03	8.81E-05	0.004516	5.66E-07	6.01E-03	0.001235	6.78E-05	0.009726	5.85E-07	0.01103
4462	484863.09	3858377.25	0.67319	1.08765	0.74028	1.04108	1.23E-03	9.3E-05	0.00393	1.1E-06	0.00525	1.50E-03	0.000113	0.004808	6.21E-07	6.43E-03	0.001326	8.72E-05	0.010356	6.42E-07	0.011769
4463	485363.09	3858377.25	0.7194	1.21852	0.77487	1.14815	1.31E-03	0.0001	0.00412	1.2E-06	0.00553	1.61E-03	0.000127	0.005033	6.85E-07	6.77E-03	0.001417	9.77E-05	0.01084	7.08E-07	0.012355
4464	485863.09	3858377.25	0.78178	1.37127	0.7768	1.26957	1.43E-03	0.00012	0.00413	1.4E-06	0.00567	1.75E-03	0.000143	0.005046	7.58E-07	6.94E-03	0.00154	0.00011	0.010867	7.83E-07	0.012517
4465	486363.09	3858377.25	0.87978	1.78291	0.80059	1.51274	1.60E-03	0.00015	0.00425	1.6E-06	0.00601	1.97E-03	0.000186	0.0052	9.03E-07	7.35E-03	0.001733	0.000143	0.011199	9.33E-07	0.013076
4466	486863.09	3858377.25	0.99311	1.93667	0.85191	1.74946	1.81E-03	0.00016	0.00453	1.9E-06	0.0065	2.22E-03	0.000202	0.005533	1.04E-06	7.95E-03	0.001956	0.000155	0.011917	1.08E-06	0.01403
4467	487363.09	3858377.25	1.29829	2.03361	0.99455	2.17093	2.37E-03	0.00017	0.00528	2.3E-06	0.00783	2.90E-03	0.000212	0.00646	1.3E-06	9.57E-03	0.002557	0.000163	0.013913	1.34E-06	0.016634
4468	487863.09	3858377.25	2.10072	1.93337	1.08639	2.91492	3.83E-03	0.00016	0.00577	3.1E-06	0.00977	4.69E-03	0.000202	0.007056	1.74E-06	1.20E-02	0.004137	0.000155	0.015198	1.8E-06	0.019492
4469	488363.09	3858377.25	2.96446	1.84982	1.1265	3.23705	5.40E-03	0.00016	0.00599	3.5E-06	0.01155	6.62E-03	0.000193	0.007317	1.93E-06	1.41E-02	0.005838	0.000148	0.015759	2E-06	0.021747
4470	488863.09	3858377.25	1.60512	1.67864	1.06979	2.33066	2.93E-03	0.00014	0.00568	2.5E-06	0.00876	3.59E-03	0.000175	0.006949	1.39E-06	1.07E-02	0.003161	0.000135	0.014965	1.44E-06	0.018263
4471	489363.09	3858377.25	1.18381	1.47348	0.99064	1.73641	2.16E-03	0.00013	0.00526	1.9E-06	0.00755	2.64E-03	0.000154	0.006434	1.04E-06	9.23E-03	0.002331	0.000118	0.013858	1.07E-06	0.016309
4472	489863.09	3858377.25	0.98438	1.24456	0.84908	1.38733	1.79E-03	0.00011	0.00451	1.5E-06	0.00641	2.20E-03	0.00013	0.005515	8.28E-07	7.84E-03	0.001939	9.98E-05	0.011878	8.55E-07	0.013917
4473	490363.09	3858377.25	0.83967	1.14118	0.76996	1.19605	1.53E-03	9.7E-05	0.00409	1.3E-06	0.00572	1.88E-03	0.000119	0.005001	7.14E-07	7.00E-03	0.001654	9.15E-05	0.010771	7.37E-07	0.012517
4474	490863.09	3858377.25	0.73707	0.99492	0.66428	0.99839	1.34E-03	8.5E-05	0.00353	1.1E-06	0.00496	1.65E-03	0.000104	0.004315	5.96E-07	6.07E-03	0.001452	7.98E-05	0.009293	6.16E-07	0.010825
4475	491363.09	3858377.25	0.61932	0.90714	0.61334	0.75532	1.13E-03	7.7E-05	0.00326	8.1E-07	0.00447	1.38E-03	9.46E-05	0.003984	4.51E-07	5.46E-03	0.00122	7.28E-05	0.00858	4.66E-07	0.009873
4476	491863.09	3858377.25	0.49146	0.74898	0.55288	0.40634	8.96E-04	6.4E-05	0.00294	4.3E-07	0.0039	1.10E-03	7.81E-05	0.003591	2.43E-07	4.77E-03	0.000968	6.01E-05	0.007734	2.51E-07	0.008762
4477	492363.09	3858377.25	0.26313	0.37346	0.29246	0.2271	4.80E-04	3.2E-05	0.00155	2.4E-07	0.00207	5.88E-04	3.89E-05	0.0019	1.36E-07	2.53E-03	0.000518	3E-05	0.004091	1.4E-07	0.00464
4478	492863.09	3858377.25	0.29704	0.41917	0.33549	0.23704	5.41E-04	3.6E-05	0.00178	2.5E-07	0.00236	6.64E-04	4.37E-05	0.002179	1.41E-07	2.89E-03	0.000585	3.36E-05	0.004693	1.46E-07	0.005312
4479	493363.09	3858377.25	0.2261	0.3199	0.25404	0.19913	4.12E-04	2.7E-05	0.00135	2.1E-07	0.00179	5.05E-04	3.34E-05	0.00165	1.19E-07	2.19E-03	0.000445	2.57E-05	0.003554	1.23E-07	0.004025
4480	493863.09	3858377.25	0.19257	0.26849	0.2261	0.17882	3.51E-04	2.3E-05	0.0012	1.9E-07	0.00158	4.30E-04	2.8E-05	0.001469	1.07E-07	1.93E-03	0.000379	2.15E-05	0.003163	1.1E-07	0.003564
4481	494363.09	3858377.25	0.16718	0.22269	0.18821	0.15721	3.05E-04	1.9E-05	0.001	1.7E-07	0.00132	3.73E-04	2.32E-05	0.001222	9.38E-08	1.62E-03	0.000329	1.79E-05	0.002633	9.69E-08	0.00298
4482	494863.09	3858377.25	0.14635	0.18943	0.16165	0.14168	2.67E-04	1.6E-05	0.00086	1.5E-07	0.00114	3.27E-04	1.98E-05	0.00105	8.46E-08	1.40E-03	0.000288	1.52E-05	0.002261	8.74E-08	0.002565
4483	495363.09	3858377.25	0.12332	0.15529	0.13433	0.12569	2.25E-04	1.3E-05	0.00071	1.3E-07	0.00095	2.75E-04	1.62E-05	0.000873	7.5E-08	1.16E-03	0.000243	1.25E-05	0.001879	7.75E-08	0.002135
4484	495863.09	3858377.25	0.11941	0.15208	0.13278	0.12109	2.18E-04	1.3E-05	0.00071	1.3E-07	0.00094	2.67E-04	1.59E-05	0.000862	7.23E-08	1.15E-03	0.000235	1.22E-05	0.001857	7.47E-08	0.002105
4485	496363.09	3858377.25	0.11581	0.14272	0.13075	0.11486	2.11E-04	1.2E-05	0.00069	1.2E-07	0.00092	2.59E-04	1.49E-05	0.000849	6.86E-08	1.12E-03	0.000228	1.14E-05	0.001829	7.08E-08	0.002069
4486	496863.09	3858377.25	0.124	0.15187	0.14132	0.11681	2.26E-04	1.3E-05	0.00075	1.2E-07	0.00099	2.77E-04	1.58E-05	0.000918	6.97E-08	1.21E-03	0.000244	1.22E-05	0.001977	7.2E-08	0.002233
4487	497363.09	3858377.25	0.12504	0.15588	0.14416	0.11804	2.28E-04	1.3E-05	0.00077	1.3E-07	0.00101	2.79E-04	1.63E-05	0.000936	7.05E-08	1.23E-03	0.000246	1.25E-05	0.002017	7.28E-08	0.002275
4488	497863.09	3858377.25	0.14768	0.18019	0.17579	0.13306	2.69E-04	1.5E-05	0.00093	1.4E-07	0.00122	3.30E-04	1.88E-05	0.001142	7.94E-08	1.49E-03	0.000291	1.45E-05	0.002459	8.2E-08	0.002765
4489	498363.09	3858377.25	0.18126	0.22356	0.21502	0.155	3.30E-04	1.9E-05	0.00114	1.7E-07	0.00149	4.05E-04	2.33E-05	0.001397	9.25E-08	1.82E-03	0.000357	1.79E-05	0.003008	9.56E-08	0.003383
4490	471363.09	3858877.25	0.08913	0.1264	0.10602	0.07878	1.62E-04	1.1E-05	0.00056	8.4E-08	0.00074	1.99E-04	1.32E-05	0.000689	4.7E-08	9.01E-04	0.000176	1.01E-05	0.001483	4.86E-08	0.001669
4491	471863.09	3858877.25	0.0911	0.13659	0.11114	0.07749	1.66E-04	1.2E-05	0.00059	8.3E-08	0.00077	2.03E-04	1.42E-05	0.000722	4.62E-08	9.40E-04	0.000179	1.1E-05	0.001555	4.78E-08	0.001745
4492	472363.09	3858877.25	0.09772	0.14997	0.1162	0.08412	1.78E-04	1.3E-05	0.00062	9E-08	0.00081	2.18E-04	1.56E-05	0.000755	5.02E-08	9.89E-04	0.000192	1.2E-05	0.001626	5.19E-08	0.00183
4493	472863.09	3858877.25	0.10399	0.15769	0.1224	0.08879	1.90E-04	1.3E-05	0.00065	9.5E-08	0.00085	2.32E-04	1.64E-05	0.000795	5.3E-08	1.04E-03	0.000205	1.26E-05	0.001712	5.47E-08	0.00193
4494	473363.09	3858877.25	0.11313	0.16963	0.12952	0.09908	2.06E-04	1.4E-05	0.00069	1.1E-07	0.00091	2.53E-04	1.77E-05	0.000841	5.91E-08	1.11E-03	0.000223	1.36E-05	0.001812	6.11E-08	0.002048
4495	473863.09	3858877.25	0.11772	0.17604	0.13239	0.095	2.15E-04	1.5E-05	0.0007	1E-07	0.00093	2.63E-04	1.84E-05	0.00086	5.67E-08	1.14E-03	0.000232	1.41E-05	0.001852	5.86E-08	0.002098
4496	474363.09	3858877.25	0.11155	0.17625	0.12486	0.07754	2.03E-04	1.5E-05	0.00066	8.3E-08	0.00088	2.49E-04	1.84E-05	0.000811	4.63E-08	1.08E-03	0.00022	1.41E-05	0.001747	4.78E-08	0.001981
4497	474863.09	3858877.25	0.05548	0.07575	0.05901	0.03799	1.01E-04	6.4E-06	0.00031	4.1E-08	0.00042	1.24E-04	7.9E-06	0.000383	2.27E-08	5.15E-04	0.000109	6.08E-06	0.000825	2.34E-08	0.000941
4498	475363.09	3858877.25	0.03799	0.05373	0.04355	0.03074	6.92E-05	4.6E-06	0.00023	3.3E-08	0.00031	8.49E-05	5.6E-06	0.000283	1.83E-08	3.73E-04	7.48E-05	4.31E-06	0.000609	1.9E-08	0.000688
4499	475863.09	3858877.25	0.04245	0.06108	0.05027	0.03416	7.74E-05	5.2E-06	0.00027	3.6E-08	0.00035	9.48E-05	6.37E-06	0.000327	2.04E-08	4.28E-04	8.36E-05	4.9E-06	0.000703	2.11E-08	0.000792
4500	476363.09	3858877.25	0.02756	0.03997	0.03165	0.0253	5.02E-05	3.4E-06	0.00017	2.7E-08	0.00022	6.16E-05	4.17E-06	0.000206	1.51E-08	2.71E-04	5.43E-05	3.21E-06	0.000443	1.56E-08	0.0005
4501	476863.09	3858877.25	0.03423	0.04841	0.03961	0.02901	6.24E-05	4.1E-06	0.00021	3.1E-08	0.00028	7.65E-05	5.05E-06	0.000257	1.73E-08	3.39E-04	6.74E-05	3.88E-06	0.000554	1.79E-08	0.000625
4502	477363.09	3858877.25	0.03574	0.04815	0.04165	0.03006	6.51E-05	4.1E-06	0.00022	3.2E-08	0.00029	7.98E-05	5.02E-06	0.000271	1.79E-08	3.55E-04	7.04E-05	3.86E-06	0.000583	1.85E-08	0.000657
4503	477863.09	3858877.25	0.0479	0.06178	0.05082	0.0362	8.73E-05	5.3E-06	0.00027	3.9E-08	0.00036	1.07E-04	6.44E-06	0.00033	2.16E-08	4.44E-04	9.43E-05	4.96E-06	0.000711	2.23E-08	0.00081
4504	478363.09	3858877.25	0.10475	0.14876	0.12185	0.05924	1.91E-04	1.3E-05	0.00065	6.3E-08	0.00085	2.34E-04	1.55E-05	0.000791	3.54E-08	1.04E-03	0.000206	1.19E-05	0.001705	3.65E-08	0.001923
4505	478863.09	3858877.25	0.09263	0.12492	0.10045	0.05411	1.69E-04	1.1E-05	0.00053	5.8E-08	0.00071	2.07E-04	1.3E-05	0.000652	3.23E-08	8.72E-04	0.000182	1E-05	0.001405	3.34E-08	0.001598
4506	479363.09	3858877.25	0.07334	0.09429	0.08044	0.04592	1.34E-04	8E-06	0.00043	4.9E-08	0.00057	1.64E-04	9.83E-06	0.000522	2.74E-08	6.96E-04	0.000144	7.56E-06	0.001125	2.83E-08	0.001277
4507	479863.09	3858877.25	0.28469	0.36038	0.3142	0.22027	5.19E-04	3.1E-05	0.00167	2.3E-07	0.00222	6.36E-04	3.76E-05	0.002041	1.31E-07	2.71E-03	0.000561	2.89E-05	0.004395	1.36E-07	0.004985
4508	480363.09	3858877.25	0.3018	0.37592	0.34056	0.28621	5.50E-04	3.2E-05	0.00181	3.1E-07	0.00239	6.74E-04	3.92E-05	0.002212	1.71E-07	2.93E-03	0.000594	3.02E-05	0.004764	1.76E-07	0.005389
4509	480863.09	3858877.25	0.32872	0.40623	0.36003	0.32444	5.99E-04	3.5E-05	0.00191	3.5E-07	0.00255	7.34E-04	4.24E-05	0.002339	1.94E-07	3.12E-03	0.000647	3.26E-05	0.005036	2E-07	0.005717
4510	481363.09	3858877.25	0.3598	0.46361	0.43174	0.36703	6.56E-04	3.9E-05	0.00229	3.9E-07	0.00299	8.04E-04	4.83E-05	0.002804	2.19E-07	3.66E-03	0.000709	3.72E-05	0.00604	2.26E-07	0.006786

4511	481863.09	3858877.25	0.39099	0.53	0.46187	0.40414	7.13E-04	4.5E-05	0.00245	4.3E-07	0.00321	8.73E-04	5.53E-05	0.003	2.41E-07	3.93E-03	0.00077	4.25E-05	0.006461	2.49E-07	0.007274
4512	482363.09	3858877.25	0.42127	0.56565	0.49659	0.44452	7.68E-04	4.8E-05	0.00264	4.7E-07	0.00345	9.41E-04	5.9E-05	0.003225	2.65E-07	4.23E-03	0.00083	4.54E-05	0.006947	2.74E-07	0.007822
4513	482863.09	3858877.25	0.46447	0.62414	0.53799	0.51354	8.47E-04	5.3E-05	0.00286	5.5E-07	0.00376	1.04E-03	6.51E-05	0.003494	3.07E-07	4.60E-03	0.000915	5.01E-05	0.007526	3.17E-07	0.008491
4514	483363.09	3858877.25	0.46021	0.62109	0.50224	0.63986	8.39E-04	5.3E-05	0.00267	6.8E-07	0.00356	1.03E-03	6.48E-05	0.003262	3.82E-07	4.36E-03	0.000906	4.98E-05	0.007026	3.95E-07	0.007982
4515	483863.09	3858877.25	0.47237	0.74939	0.50324	0.71804	8.61E-04	6.4E-05	0.00267	7.7E-07	0.0036	1.06E-03	7.81E-05	0.003269	4.29E-07	4.40E-03	0.00093	6.01E-05	0.00704	4.43E-07	0.008031
4516	484363.09	3858877.25	0.49813	0.76427	0.53216	0.77725	9.08E-04	6.5E-05	0.00283	8.3E-07	0.0038	1.11E-03	7.97E-05	0.003457	4.64E-07	4.65E-03	0.000981	6.13E-05	0.007444	4.79E-07	0.008487
4517	484863.09	3858877.25	0.5392	0.76674	0.55696	0.84371	9.83E-04	6.5E-05	0.00296	9E-07	0.00401	1.20E-03	8E-05	0.003618	5.04E-07	4.90E-03	0.001062	6.15E-05	0.007791	5.2E-07	0.008915
4518	485363.09	3858877.25	0.56581	0.8486	0.56857	0.87876	1.03E-03	7.2E-05	0.00302	9.4E-07	0.00413	1.26E-03	8.85E-05	0.003693	5.24E-07	5.05E-03	0.001114	6.81E-05	0.007954	5.42E-07	0.009137
4519	485863.09	3858877.25	0.59698	1.04311	0.6087	0.95845	1.09E-03	8.9E-05	0.00323	1E-06	0.00441	1.33E-03	0.000109	0.003954	5.72E-07	5.40E-03	0.001176	8.37E-05	0.008515	5.91E-07	0.009775
4520	486363.09	3858877.25	0.62116	1.14325	0.5913	0.98886	1.13E-03	9.7E-05	0.00314	1.1E-06	0.00437	1.39E-03	0.000119	0.003841	5.9E-07	5.35E-03	0.001223	9.17E-05	0.008272	6.1E-07	0.009587
4521	486863.09	3858877.25	0.6704	1.23176	0.60378	1.06401	1.22E-03	0.0001	0.00321	1.1E-06	0.00454	1.50E-03	0.000128	0.003922	6.35E-07	5.55E-03	0.00132	9.88E-05	0.008446	6.56E-07	0.009866
4522	487363.09	3858877.25	0.77847	1.21124	0.68043	1.15153	1.42E-03	0.0001	0.00362	1.2E-06	0.00514	1.74E-03	0.000126	0.00442	6.87E-07	6.29E-03	0.001533	9.72E-05	0.009519	7.1E-07	0.01115
4523	487863.09	3858877.25	0.95238	1.15845	0.76361	1.32687	1.74E-03	9.9E-05	0.00406	1.4E-06	0.00589	2.13E-03	0.000121	0.00496	7.92E-07	7.21E-03	0.001876	9.29E-05	0.010682	8.18E-07	0.012652
4524	488363.09	3858877.25	1.3662	1.23476	0.79831	1.57382	2.49E-03	0.00011	0.00424	1.7E-06	0.00684	3.05E-03	0.000129	0.005185	9.39E-07	8.37E-03	0.002691	9.9E-05	0.011168	9.7E-07	0.013958
4525	488863.09	3858877.25	3.03587	1.19476	0.85588	1.7569	5.53E-03	0.0001	0.00455	1.9E-06	0.01018	6.78E-03	0.000125	0.005559	1.05E-06	1.25E-02	0.005979	9.58E-05	0.011973	1.08E-06	0.018049
4526	489363.09	3858877.25	1.17355	1.08707	0.75373	1.40996	2.14E-03	9.3E-05	0.004	1.5E-06	0.00624	2.62E-03	0.000113	0.004896	8.42E-07	7.63E-03	0.002311	8.72E-05	0.010544	8.69E-07	0.012943
4527	489863.09	3858877.25	0.86666	1.02568	0.72642	1.20417	1.58E-03	8.7E-05	0.00386	1.3E-06	0.00553	1.94E-03	0.000107	0.004718	7.19E-07	6.76E-03	0.001707	8.23E-05	0.010162	7.42E-07	0.011952
4528	490363.09	3858877.25	0.71437	0.91826	0.69148	1.00483	1.30E-03	7.8E-05	0.00367	1.1E-06	0.00506	1.60E-03	9.58E-05	0.004491	6E-07	6.18E-03	0.001407	7.37E-05	0.009673	6.2E-07	0.011154
4529	490863.09	3858877.25	0.61721	0.79473	0.65737	0.76812	1.13E-03	6.8E-05	0.00349	8.2E-07	0.00469	1.38E-03	8.29E-05	0.00427	4.58E-07	5.73E-03	0.001216	6.38E-05	0.009196	4.74E-07	0.010476
4530	491363.09	3858877.25	0.53246	0.72012	0.62698	0.44367	9.71E-04	6.1E-05	0.00333	4.7E-07	0.00436	1.19E-03	7.51E-05	0.004072	2.65E-07	5.34E-03	0.001049	5.78E-05	0.008771	2.74E-07	0.009878
4531	491863.09	3858877.25	0.35493	0.46045	0.40251	0.24693	6.47E-04	3.9E-05	0.00214	2.6E-07	0.00283	7.93E-04	4.8E-05	0.002614	1.47E-07	3.46E-03	0.000699	3.69E-05	0.005631	1.52E-07	0.006367
4532	492363.09	3858877.25	0.37873	0.51736	0.4391	0.29272	6.90E-04	4.4E-05	0.00233	3.1E-07	0.00307	8.46E-04	5.39E-05	0.002852	1.75E-07	3.75E-03	0.000746	4.15E-05	0.006143	1.8E-07	0.00693
4533	492863.09	3858877.25	0.39245	0.58653	0.46554	0.35938	7.15E-04	5E-05	0.00247	3.8E-07	0.00324	8.77E-04	6.12E-05	0.003024	2.14E-07	3.96E-03	0.000773	4.71E-05	0.006512	2.22E-07	0.007333
4534	493363.09	3858877.25	0.35724	0.5062	0.42691	0.30039	6.51E-04	4.3E-05	0.00227	3.2E-07	0.00296	7.98E-04	5.28E-05	0.002773	1.79E-07	3.62E-03	0.000704	4.06E-05	0.005972	1.85E-07	0.006716
4535	493863.09	3858877.25	0.27639	0.39681	0.32001	0.21317	5.04E-04	3.4E-05	0.0017	2.3E-07	0.00224	6.17E-04	4.14E-05	0.002079	1.27E-07	2.74E-03	0.000544	3.18E-05	0.004477	1.31E-07	0.005053
4536	494363.09	3858877.25	0.23797	0.32426	0.28091	0.19326	4.34E-04	2.8E-05	0.00149	2.1E-07	0.00195	5.32E-04	3.38E-05	0.001825	1.15E-07	2.39E-03	0.000469	2.6E-05	0.00393	1.19E-07	0.004424
4537	494863.09	3858877.25	0.20433	0.26325	0.23094	0.16679	3.72E-04	2.2E-05	0.00123	1.8E-07	0.00162	4.56E-04	2.75E-05	0.0015	9.95E-08	1.98E-03	0.000402	2.11E-05	0.003231	1.03E-07	0.003654
4538	495363.09	3858877.25	0.17126	0.22577	0.19659	0.14652	3.12E-04	1.9E-05	0.00104	1.6E-07	0.00138	3.83E-04	2.35E-05	0.001277	8.74E-08	1.68E-03	0.000337	1.81E-05	0.00275	9.03E-08	0.003106
4539	495863.09	3858877.25	0.15702	0.2097	0.1834	0.13521	2.86E-04	1.8E-05	0.00097	1.4E-07	0.00128	3.51E-04	2.19E-05	0.001191	8.07E-08	1.56E-03	0.000309	1.68E-05	0.002566	8.34E-08	0.002892
4540	496363.09	3858877.25	0.15673	0.20858	0.17942	0.13354	2.86E-04	1.8E-05	0.00095	1.4E-07	0.00126	3.50E-04	2.18E-05	0.001165	7.97E-08	1.54E-03	0.000309	1.67E-05	0.00251	8.23E-08	0.002835
4541	496863.09	3858877.25	0.15505	0.21132	0.17665	0.13343	2.83E-04	1.8E-05	0.00094	1.4E-07	0.00124	3.46E-04	2.2E-05	0.001147	7.96E-08	1.52E-03	0.000305	1.7E-05	0.002471	8.23E-08	0.002794
4542	497363.09	3858877.25	0.15423	0.20236	0.17444	0.13055	2.81E-04	1.7E-05	0.00093	1.4E-07	0.00123	3.45E-04	2.11E-05	0.001133	7.79E-08	1.50E-03	0.000304	1.62E-05	0.00244	8.05E-08	0.00276
4543	497863.09	3858877.25	0.17816	0.23989	0.21281	0.15544	3.25E-04	2E-05	0.00113	1.7E-07	0.00148	3.98E-04	2.5E-05	0.001382	9.28E-08	1.81E-03	0.000351	1.92E-05	0.002977	9.58E-08	0.003347
4544	498363.09	3858877.25	0.20223	0.26013	0.2358	0.19367	3.69E-04	2.2E-05	0.00125	2.1E-07	0.00164	4.52E-04	2.71E-05	0.001532	1.16E-07	2.01E-03	0.000398	2.09E-05	0.003299	1.19E-07	0.003718
4545	471363.09	3859377.25	0.09016	0.14302	0.10403	0.08365	1.64E-04	1.2E-05	0.00055	8.9E-08	0.00073	2.01E-04	1.49E-05	0.000676	4.99E-08	8.92E-04	0.000178	1.15E-05	0.001455	5.16E-08	0.001644
4546	471863.09	3859377.25	0.09632	0.14609	0.10918	0.08604	1.76E-04	1.2E-05	0.00058	9.2E-08	0.00077	2.15E-04	1.52E-05	0.000709	5.14E-08	9.40E-04	0.00019	1.17E-05	0.001527	5.3E-08	0.001729
4547	472363.09	3859377.25	0.10052	0.14941	0.1129	0.09172	1.83E-04	1.3E-05	0.0006	9.8E-08	0.0008	2.25E-04	1.56E-05	0.000733	5.47E-08	9.73E-04	0.000198	1.2E-05	0.001579	5.66E-08	0.001789
4548	472863.09	3859377.25	0.10624	0.15882	0.12095	0.09494	1.94E-04	1.4E-05	0.00064	1E-07	0.00085	2.37E-04	1.66E-05	0.000786	5.67E-08	1.04E-03	0.000209	1.27E-05	0.001692	5.85E-08	0.001914
4549	473363.09	3859377.25	0.11164	0.16144	0.12505	0.10367	2.04E-04	1.4E-05	0.00066	1.1E-07	0.00088	2.49E-04	1.68E-05	0.000812	6.19E-08	1.08E-03	0.00022	1.3E-05	0.001749	6.39E-08	0.001982
4550	473863.09	3859377.25	0.11746	0.16244	0.13395	0.10564	2.14E-04	1.4E-05	0.00071	1.1E-07	0.00094	2.62E-04	1.69E-05	0.00087	6.31E-08	1.15E-03	0.000231	1.3E-05	0.001874	6.51E-08	0.002118
4551	474363.09	3859377.25	0.11617	0.15956	0.13046	0.08833	2.12E-04	1.4E-05	0.00069	9.4E-08	0.00092	2.59E-04	1.66E-05	0.000847	5.27E-08	1.12E-03	0.000229	1.28E-05	0.001825	5.45E-08	0.002067
4552	474863.09	3859377.25	0.08729	0.12483	0.0995	0.05441	1.59E-04	1.1E-05	0.00053	5.8E-08	0.0007	1.95E-04	1.3E-05	0.000646	3.25E-08	8.54E-04	0.000172	1E-05	0.001392	3.35E-08	0.001574
4553	475363.09	3859377.25	0.05268	0.07848	0.05984	0.03717	9.60E-05	6.7E-06	0.00032	4E-08	0.00042	1.18E-04	8.18E-06	0.000389	2.22E-08	5.15E-04	0.000104	6.3E-06	0.000837	2.29E-08	0.000947
4554	475863.09	3859377.25	0.03468	0.04631	0.03997	0.02748	6.32E-05	3.9E-06	0.00021	2.9E-08	0.00028	7.75E-05	4.83E-06	0.00026	1.64E-08	3.42E-04	6.83E-05	3.71E-06	0.000559	1.69E-08	0.000631
4555	476363.09	3859377.25	0.02936	0.04134	0.03388	0.02569	5.35E-05	3.5E-06	0.00018	2.7E-08	0.00024	6.56E-05	4.31E-06	0.00022	1.53E-08	2.90E-04	5.78E-05	3.32E-06	0.000474	1.58E-08	0.000535
4556	476863.09	3859377.25	0.02488	0.03495	0.02772	0.02347	4.54E-05	3E-06	0.00015	2.5E-08	0.0002	5.56E-05	3.64E-06	0.00018	1.4E-08	2.39E-04	4.9E-05	2.8E-06	0.000388	1.45E-08	0.00044
4557	477363.09	3859377.25	0.02733	0.03735	0.02889	0.02468	4.98E-05	3.2E-06	0.00015	2.6E-08	0.00021	6.10E-05	3.89E-06	0.000188	1.47E-08	2.53E-04	5.38E-05	3E-06	0.000404	1.52E-08	0.000461
4558	477863.09	3859377.25	0.05504	0.06755	0.06083	0.03744	1.00E-04	5.7E-06	0.00032	4E-08	0.00043	1.23E-04	7.04E-06	0.000395	2.23E-08	5.25E-04	0.000108	5.42E-06	0.000851	2.31E-08	0.000965
4559	478363.09	3859377.25	0.09439	0.13281	0.11115	0.05612	1.72E-04	1.1E-05	0.00059	6E-08	0.00077	2.11E-04	1.38E-05	0.000722	3.35E-08	9.47E-04	0.000186	1.07E-05	0.001555	3.46E-08	0.001751
4560	478863.09	3859377.25	0.16122	0.21395	0.19646	0.08689	2.94E-04	1.8E-05	0.00104	9.3E-08	0.00136	3.60E-04	2.23E-05	0.001276	5.19E-08	1.66E-03	0.000318	1.72E-05	0.002748	5.36E-08	0.003083
4561	479363.09	3859377.25	0.21707	0.29931	0.25294	0.13865	3.96E-04	2.5E-05	0.00134	1.5E-07	0.00177	4.85E-04	3.12E-05	0.001643	8.28E-08	2.16E-03	0.000428	2.4E-05	0.003538	8.55E-08	0.00399
4562	479863.09	3859377.25	0.25783	0.32976	0.29263	0.20744	4.70E-04	2.8E-05	0.00155	2.2E-07	0.00205	5.76E-04	3.44E-05	0.001901	1.24E-07	2.51E-03	0.000508	2.65E-05	0.004094	1.28E-07	0.004628
4563	480363.09	3859377.25	0.28635	0.38083	0.31419	0.26339	5.22E-04	3.2E-05	0.00167	2.8E-07	0.00222	6.40E-04	3.97E-05	0.002041	1.57E-07	2.72E-03	0.000564	3.05E-05	0.004395	1.62E-07	0.00499
4564	480863.09	3859377.25	0.29654	0.39796	0.36313	0.31432	5.41E-04	3.4E-05	0.00193	3.4E-07	0.0025	6.62E-04	4.15E-05	0.002359	1.88E-07	3.06E-03	0.000584	3.19E-05	0.00508	1.94E-07	0.005696
4565	481363.09	3859377.25	0.32246	0.44687	0.37284	0.35727	5.88E-04	3.8E-05	0.00198	3.8E-07	0.00261	7.20E-04	4.66E-05	0.002422	2.13E-07	3.19E-03	0.000635	3.58E-05	0.005216	2.2E-07	0.005887
4566	481863.09	3859377.25	0.34839	0.48354	0.39845	0.40416	6.35E-04	4.1E-05	0.00212	4.3E-07	0.00279	7.78E-04	5.04E-05	0.002588	2.41E-07	3.42E-03	0.000686	3.88E-05	0.005574	2.49E-07	0.006299
4567	482363.09	3859377.25	0.37033	0.52395	0.40987	0.43017	6.75E-04	4.5E-05	0.00218	4.6E-07	0.0029	8.27E-04	5.46E-05	0.002662	2.57E-07	3.54E-03	0.000729	4.2E-05	0.005734	2.65E-07	0.006505
4568	482863.09	3859377.25	0.38511	0.58053	0.42252	0.4907	7.02E-04	4.9E-05	0.00224	5.2E-07	0.003	8.60E-04	6.05E-05	0.002744	2.93E-07	3.67E-03	0.000758	4.66E-05	0.005911	3.03E-07	0.006716
4569	483363.09	3859377.25	0.40183	0.6293	0.41561	0.56311	7.32E-04	5.4E-05	0.00221	6E-07	0.00299	8.98E-04	6.56E-05	0.0027	3.36E-07	3.66E-03	0.000791	5.05E-05	0.005814	3.47E-07	0.006656
4570	483863.09	3859377.25	0.38948	0.52083	0.41518	0.58042	7.10E-04	4.4E-05	0.00221	6.2E-07	0.00296	8.70E-04	5.43E-05	0.002697	3.46E-07	3.62E-03	0.000767	4.18E-05	0.005808	3.58E-07	0.006617
4571	484363.09	3859377.25	0.41468	0.58578	0.43197	0.61119	7.56E-04	5E-05	0.0023	6.5E-07	0.0031	9.26E-04	6.11E-05	0.002806	3.65E-07	3.79E-03	0.000817	4.7E-05	0.006043	3.77E-07	0.006907

4572	484863.09	3859377.25	0.44298	0.61872	0.45173	0.63262	8.07E-04	5.3E-05	0.0024	6.7E-07	0.00326	9.89E-04	6.45E-05	0.002934	3.78E-07	3.99E-03	0.000872	4.96E-05	0.006319	3.9E-07	0.007242
4573	485363.09	3859377.25	0.45459	0.73261	0.45525	0.66758	8.29E-04	6.2E-05	0.00242	7.1E-07	0.00331	1.02E-03	7.64E-05	0.002957	3.98E-07	4.05E-03	0.000895	5.88E-05	0.006368	4.12E-07	0.007323
4574	485863.09	3859377.25	0.45938	0.80705	0.46049	0.69197	8.37E-04	6.9E-05	0.00245	7.4E-07	0.00335	1.03E-03	8.42E-05	0.002991	4.13E-07	4.10E-03	0.000905	6.47E-05	0.006442	4.27E-07	0.007412
4575	486363.09	3859377.25	0.46374	0.79741	0.47457	0.69232	8.45E-04	6.8E-05	0.00252	7.4E-07	0.00344	1.04E-03	8.32E-05	0.003082	4.13E-07	4.20E-03	0.000913	6.4E-05	0.006639	4.27E-07	0.007616
4576	486863.09	3859377.25	0.48415	0.88784	0.46647	0.73804	8.83E-04	7.6E-05	0.00248	7.9E-07	0.00344	1.08E-03	9.26E-05	0.00303	4.4E-07	4.20E-03	0.000954	7.12E-05	0.006525	4.55E-07	0.007551
4577	487363.09	3859377.25	0.52968	0.82408	0.4981	0.77476	9.66E-04	7E-05	0.00265	8.3E-07	0.00368	1.18E-03	8.59E-05	0.003235	4.62E-07	4.50E-03	0.001043	6.61E-05	0.006968	4.78E-07	0.008078
4578	487863.09	3859377.25	0.60164	0.88543	0.55973	0.88615	1.10E-03	7.5E-05	0.00297	9.5E-07	0.00415	1.34E-03	9.23E-05	0.003636	5.29E-07	5.07E-03	0.001185	7.1E-05	0.00783	5.46E-07	0.009087
4579	488363.09	3859377.25	0.69887	0.8332	0.62706	0.97585	1.27E-03	7.1E-05	0.00333	1E-06	0.00468	1.56E-03	8.69E-05	0.004073	5.82E-07	5.72E-03	0.001376	6.68E-05	0.008772	6.02E-07	0.010216
4580	488863.09	3859377.25	0.77428	0.85427	0.62769	1.11461	1.41E-03	7.3E-05	0.00334	1.2E-06	0.00482	1.73E-03	8.91E-05	0.004077	6.65E-07	5.90E-03	0.001525	6.85E-05	0.008781	6.87E-07	0.010375
4581	489363.09	3859377.25	0.87952	0.92019	0.67478	1.22746	1.60E-03	7.8E-05	0.00359	1.3E-06	0.00527	1.96E-03	9.6E-05	0.004383	7.33E-07	6.44E-03	0.001732	7.38E-05	0.009439	7.57E-07	0.011246
4582	489863.09	3859377.25	0.66088	0.77927	0.58567	0.99509	1.20E-03	6.6E-05	0.00311	1.1E-06	0.00438	1.48E-03	8.13E-05	0.003804	5.94E-07	5.36E-03	0.001302	6.25E-05	0.008193	6.14E-07	0.009558
4583	490363.09	3859377.25	0.56946	0.76663	0.57494	0.92715	1.04E-03	6.5E-05	0.00305	9.9E-07	0.00416	1.27E-03	7.99E-05	0.003734	5.53E-07	5.09E-03	0.001122	6.15E-05	0.008043	5.72E-07	0.009226
4584	490863.09	3859377.25	0.52757	0.75657	0.52832	0.78476	9.62E-04	6.4E-05	0.00281	8.4E-07	0.00383	1.18E-03	7.89E-05	0.003432	4.68E-07	4.69E-03	0.001039	6.07E-05	0.007391	4.84E-07	0.008491
4585	491363.09	3859377.25	0.48138	0.67294	0.60925	0.41712	8.77E-04	5.7E-05	0.00324	4.4E-07	0.00417	1.08E-03	7.02E-05	0.003957	2.49E-07	5.10E-03	0.000948	5.4E-05	0.008523	2.57E-07	0.009525
4586	491863.09	3859377.25	0.46202	0.6069	0.5216	0.52533	8.42E-04	5.2E-05	0.00277	5.6E-07	0.00367	1.03E-03	6.33E-05	0.003388	3.14E-07	4.48E-03	0.00091	4.87E-05	0.007297	3.24E-07	0.008256
4587	492363.09	3859377.25	0.41673	0.58205	0.47845	0.47349	7.60E-04	5E-05	0.00254	5.1E-07	0.00335	9.31E-04	6.07E-05	0.003108	2.83E-07	4.10E-03	0.000821	4.67E-05	0.006693	2.92E-07	0.007561
4588	492863.09	3859377.25	0.38198	0.5213	0.41249	0.42756	6.96E-04	4.4E-05	0.00219	4.6E-07	0.00293	8.53E-04	5.44E-05	0.002679	2.55E-07	3.59E-03	0.000752	4.18E-05	0.00577	2.64E-07	0.006565
4589	493363.09	3859377.25	0.3444	0.45738	0.40574	0.35052	6.28E-04	3.9E-05	0.00216	3.7E-07	0.00282	7.69E-04	4.77E-05	0.002635	2.09E-07	3.45E-03	0.000678	3.67E-05	0.005676	2.16E-07	0.006391
4590	493863.09	3859377.25	0.33134	0.41999	0.38409	0.33694	6.04E-04	3.6E-05	0.00204	3.6E-07	0.00268	7.40E-04	4.38E-05	0.002495	2.01E-07	3.28E-03	0.000653	3.37E-05	0.005373	2.08E-07	0.006059
4591	494363.09	3859377.25	0.30485	0.38753	0.36586	0.2917	5.56E-04	3.3E-05	0.00194	3.1E-07	0.00253	6.81E-04	4.04E-05	0.002376	1.74E-07	3.10E-03	0.0006	3.11E-05	0.005118	1.8E-07	0.00575
4592	494863.09	3859377.25	0.26814	0.35859	0.31226	0.21604	4.89E-04	3.1E-05	0.00166	2.3E-07	0.00218	5.99E-04	3.74E-05	0.002028	1.29E-07	2.66E-03	0.000528	2.88E-05	0.004368	1.33E-07	0.004925
4593	495363.09	3859377.25	0.25017	0.3437	0.2947	0.20362	4.56E-04	2.9E-05	0.00157	2.2E-07	0.00205	5.59E-04	3.58E-05	0.001914	1.22E-07	2.51E-03	0.000493	2.76E-05	0.004123	1.26E-07	0.004643
4594	495863.09	3859377.25	0.22467	0.31088	0.25742	0.1846	4.10E-04	2.6E-05	0.00137	2E-07	0.0018	5.02E-04	3.24E-05	0.001672	1.1E-07	2.21E-03	0.000442	2.49E-05	0.003601	1.14E-07	0.004069
4595	496363.09	3859377.25	0.21396	0.28615	0.24241	0.18339	3.90E-04	2.4E-05	0.00129	2E-07	0.0017	4.78E-04	2.98E-05	0.001575	1.09E-07	2.08E-03	0.000421	2.3E-05	0.003391	1.13E-07	0.003836
4596	496863.09	3859377.25	0.1865	0.25431	0.21245	0.15684	3.40E-04	2.2E-05	0.00113	1.7E-07	0.00149	4.17E-04	2.65E-05	0.00138	9.36E-08	1.82E-03	0.000367	2.04E-05	0.002972	9.67E-08	0.00336
4597	497363.09	3859377.25	0.19771	0.25809	0.22367	0.17243	3.60E-04	2.2E-05	0.00119	1.8E-07	0.00157	4.42E-04	2.69E-05	0.001453	1.03E-07	1.92E-03	0.000389	2.07E-05	0.003129	1.06E-07	0.003539
4598	497863.09	3859377.25	0.20757	0.268	0.24335	0.20431	3.78E-04	2.3E-05	0.00129	2.2E-07	0.00169	4.64E-04	2.79E-05	0.001581	1.22E-07	2.07E-03	0.000409	2.15E-05	0.003404	1.26E-07	0.003835
4599	498363.09	3859377.25	0.20886	0.28056	0.24083	0.22517	3.81E-04	2.4E-05	0.00128	2.4E-07	0.00168	4.67E-04	2.93E-05	0.001564	1.34E-07	2.06E-03	0.000411	2.25E-05	0.003369	1.39E-07	0.003803
4600	471363.09	3859877.25	0.09175	0.13111	0.10549	0.08941	1.67E-04	1.1E-05	0.00056	9.5E-08	0.00074	2.05E-04	1.37E-05	0.000685	5.34E-08	9.04E-04	0.000181	1.05E-05	0.001476	5.51E-08	0.001667
4601	471863.09	3859877.25	0.0958	0.13578	0.109	0.09248	1.75E-04	1.2E-05	0.00058	9.9E-08	0.00077	2.14E-04	1.42E-05	0.000708	5.52E-08	9.36E-04	0.000189	1.09E-05	0.001525	5.7E-08	0.001724
4602	472363.09	3859877.25	0.09991	0.1319	0.11475	0.09335	1.82E-04	1.1E-05	0.00061	1E-07	0.0008	2.23E-04	1.38E-05	0.000745	5.57E-08	9.82E-04	0.000197	1.06E-05	0.001605	5.76E-08	0.001813
4603	472863.09	3859877.25	0.10437	0.14236	0.11785	0.10182	1.90E-04	1.2E-05	0.00063	1.1E-07	0.00083	2.33E-04	1.48E-05	0.000765	6.08E-08	1.01E-03	0.000206	1.14E-05	0.001649	6.28E-08	0.001866
4604	473363.09	3859877.25	0.1113	0.15622	0.12034	0.10921	2.03E-04	1.3E-05	0.00064	1.2E-07	0.00086	2.49E-04	1.63E-05	0.000782	6.52E-08	1.05E-03	0.000219	1.25E-05	0.001683	6.73E-08	0.001915
4605	473863.09	3859877.25	0.11742	0.16051	0.12297	0.1133	2.14E-04	1.4E-05	0.00065	1.2E-07	0.00088	2.62E-04	1.67E-05	0.000799	6.76E-08	1.08E-03	0.000231	1.29E-05	0.00172	6.99E-08	0.001964
4606	474363.09	3859877.25	0.12192	0.18445	0.13311	0.09285	2.22E-04	1.6E-05	0.00071	9.9E-08	0.00095	2.72E-04	1.92E-05	0.000865	5.54E-08	1.16E-03	0.00024	1.48E-05	0.001862	5.72E-08	0.002117
4607	474863.09	3859877.25	0.11057	0.186	0.12804	0.07203	2.02E-04	1.6E-05	0.00068	7.7E-08	0.0009	2.47E-04	1.94E-05	0.000832	4.3E-08	1.10E-03	0.000218	1.49E-05	0.001791	4.44E-08	0.002024
4608	475363.09	3859877.25	0.07064	0.10521	0.08383	0.04337	1.29E-04	9E-06	0.00045	4.6E-08	0.00058	1.58E-04	1.1E-05	0.000545	2.59E-08	7.13E-04	0.000139	8.44E-06	0.001173	2.67E-08	0.00132
4609	475863.09	3859877.25	0.03414	0.04506	0.0367	0.02832	6.22E-05	3.8E-06	0.00019	3E-08	0.00026	7.63E-05	4.7E-06	0.000238	1.69E-08	3.19E-04	6.72E-05	3.61E-06	0.000513	1.75E-08	0.000584
4610	476363.09	3859877.25	0.01977	0.02876	0.02115	0.02057	3.60E-05	2.4E-06	0.00011	2.2E-08	0.00015	4.42E-05	3E-06	0.000137	1.23E-08	1.85E-04	3.89E-05	2.31E-06	0.000296	1.27E-08	0.000337
4611	476863.09	3859877.25	0.02351	0.03544	0.02631	0.02293	4.29E-05	3E-06	0.00014	2.4E-08	0.00019	5.25E-05	3.7E-06	0.000171	1.37E-08	2.27E-04	4.63E-05	2.84E-06	0.000368	1.41E-08	0.000417
4612	477363.09	3859877.25	0.0256	0.03721	0.02846	0.02448	4.67E-05	3.2E-06	0.00015	2.6E-08	0.0002	5.72E-05	3.88E-06	0.000185	1.46E-08	2.46E-04	5.04E-05	2.98E-06	0.000398	1.51E-08	0.000452
4613	477863.09	3859877.25	0.05043	0.06734	0.05645	0.03466	9.19E-05	5.7E-06	0.0003	3.7E-08	0.0004	1.13E-04	7.02E-06	0.000367	2.07E-08	4.86E-04	9.93E-05	5.4E-06	0.00079	2.14E-08	0.000894
4614	478363.09	3859877.25	0.09508	0.13551	0.11244	0.05697	1.73E-04	1.2E-05	0.0006	6.1E-08	0.00078	2.12E-04	1.41E-05	0.00073	3.4E-08	9.57E-04	0.000187	1.09E-05	0.001573	3.51E-08	0.001771
4615	478863.09	3859877.25	0.15701	0.22593	0.18563	0.09456	2.86E-04	1.9E-05	0.00099	1E-07	0.00129	3.51E-04	2.36E-05	0.001206	5.64E-08	1.58E-03	0.000309	1.81E-05	0.002597	5.83E-08	0.002924
4616	479363.09	3859877.25	0.21853	0.30957	0.24856	0.15534	3.98E-04	2.6E-05	0.00132	1.7E-07	0.00175	4.88E-04	3.23E-05	0.001614	9.27E-08	2.13E-03	0.00043	2.48E-05	0.003477	9.58E-08	0.003932
4617	479863.09	3859877.25	0.25565	0.35923	0.28451	0.2121	4.66E-04	3.1E-05	0.00151	2.3E-07	0.00201	5.71E-04	3.75E-05	0.001848	1.27E-07	2.46E-03	0.000503	2.88E-05	0.00398	1.31E-07	0.004512
4618	480363.09	3859877.25	0.26168	0.35418	0.29545	0.27491	4.77E-04	3E-05	0.00157	2.9E-07	0.00208	5.85E-04	3.69E-05	0.001919	1.64E-07	2.54E-03	0.000515	2.84E-05	0.004133	1.7E-07	0.004677
4619	480863.09	3859877.25	0.27536	0.3737	0.30044	0.32475	5.02E-04	3.2E-05	0.0016	3.5E-07	0.00213	6.15E-04	3.9E-05	0.001951	1.94E-07	2.61E-03	0.000542	3E-05	0.004203	2E-07	0.004775
4620	481363.09	3859877.25	0.28372	0.42159	0.31017	0.35863	5.17E-04	3.6E-05	0.00165	3.8E-07	0.0022	6.34E-04	4.4E-05	0.002015	2.14E-07	2.69E-03	0.000559	3.38E-05	0.004339	2.21E-07	0.004932
4621	481863.09	3859877.25	0.30342	0.47171	0.32891	0.37975	5.53E-04	4E-05	0.00175	4.1E-07	0.00234	6.78E-04	4.92E-05	0.002136	2.27E-07	2.86E-03	0.000598	3.78E-05	0.004601	2.34E-07	0.005237
4622	482363.09	3859877.25	0.31276	0.48501	0.33959	0.40708	5.70E-04	4.1E-05	0.0018	4.3E-07	0.00242	6.99E-04	5.06E-05	0.002206	2.43E-07	2.96E-03	0.000616	3.89E-05	0.004751	2.51E-07	0.005406
4623	482863.09	3859877.25	0.32834	0.4431	0.34501	0.43087	5.99E-04	3.8E-05	0.00183	4.6E-07	0.00247	7.33E-04	4.62E-05	0.002241	2.57E-07	3.02E-03	0.000647	3.55E-05	0.004826	2.66E-07	0.005509
4624	483363.09	3859877.25	0.33959	0.479	0.36066	0.45128	6.19E-04	4.1E-05	0.00192	4.8E-07	0.00258	7.59E-04	4.99E-05	0.002343	2.69E-07	3.15E-03	0.000669	3.84E-05	0.005045	2.78E-07	0.005753
4625	483863.09	3859877.25	0.33181	0.45472	0.35782	0.46809	6.05E-04	3.9E-05	0.0019	5E-07	0.00255	7.41E-04	4.74E-05	0.002324	2.79E-07	3.11E-03	0.000653	3.65E-05	0.005006	2.89E-07	0.005696
4626	484363.09	3859877.25	0.34688	0.47058	0.37015	0.48553	6.32E-04	4E-05	0.00197	5.2E-07	0.00264	7.75E-04	4.91E-05	0.002404	2.9E-07	3.23E-03	0.000683	3.77E-05	0.005178	2.99E-07	0.005899
4627	484863.09	3859877.25	0.36383	0.54476	0.37334	0.50231	6.63E-04	4.6E-05	0.00198	5.4E-07	0.00269	8.13E-04	5.68E-05	0.002425	3E-07	3.29E-03	0.000717	4.37E-05	0.005223	3.1E-07	0.005983
4628	485363.09	3859877.25	0.3599	0.56153	0.35639	0.52673	6.56E-04	4.8E-05	0.00189	5.6E-07	0.0026	8.04E-04	5.86E-05	0.002315	3.14E-07	3.18E-03	0.000709	4.5E-05	0.004986	3.25E-07	0.00574
4629	485863.09	3859877.25	0.36315	0.64886	0.36465	0.5147	6.62E-04	5.5E-05	0.00194	5.5E-07	0.00266	8.11E-04	6.77E-05	0.002369	3.07E-07	3.25E-03	0.000715	5.21E-05	0.005101	3.17E-07	0.005869
4630	486363.09	3859877.25	0.3667	0.6373	0.38786	0.55241	6.68E-04	5.4E-05	0.00206	5.9E-07	0.00278	8.19E-04	6.65E-05	0.002519	3.3E-07	3.41E-03	0.000722	5.11E-05	0.005426	3.41E-07	0.006199
4631	486863.09	3859877.25	0.37916	0.63824	0.38347	0.58391	6.91E-04	5.4E-05	0.00204	6.2E-07	0.00278	8.47E-04	6.66E-05	0.002491	3.49E-07	3.40E-03	0.000747	5.12E-05	0.005364	3.6E-07	0.006163
4632	487363.09	3859877.25	0.39212	0.63518	0.39434	0.57269	7.15E-04	5.4E-05	0.0021	6.1E-07	0.00286	8.76E-04	6.62E-05	0.002561	3.42E-07	3.50E-03	0.000772	5.1E-05	0.005516	3.53E-07	0.00634

4633	487863.09	3859877.25	0.44378	0.67232	0.43378	0.61069	8.09E-04	5.7E-05	0.0023	6.5E-07	0.00317	9.91E-04	7.01E-05	0.002818	3.64E-07	3.88E-03	0.000874	5.39E-05	0.006068	3.77E-07	0.006996
4634	488363.09	3859877.25	0.49215	0.61035	0.4923	0.7156	8.97E-04	5.2E-05	0.00262	7.6E-07	0.00357	1.10E-03	6.36E-05	0.003198	4.27E-07	4.36E-03	0.000969	4.9E-05	0.006887	4.41E-07	0.007905
4635	488863.09	3859877.25	0.52962	0.7092	0.51516	0.84559	9.65E-04	6E-05	0.00274	9E-07	0.00376	1.18E-03	7.4E-05	0.003346	5.05E-07	4.60E-03	0.001043	5.69E-05	0.007207	5.21E-07	0.008307
4636	489363.09	3859877.25	0.57216	0.6558	0.51368	0.84156	1.04E-03	5.6E-05	0.00273	9E-07	0.00383	1.28E-03	6.84E-05	0.003337	5.02E-07	4.68E-03	0.001127	5.26E-05	0.007186	5.19E-07	0.008366
4637	489863.09	3859877.25	0.6195	0.71216	0.53545	0.91573	1.13E-03	6.1E-05	0.00284	9.8E-07	0.00404	1.38E-03	7.43E-05	0.003478	5.47E-07	4.94E-03	0.00122	5.71E-05	0.00749	5.65E-07	0.008768
4638	490363.09	3859877.25	0.49388	0.58538	0.46766	0.74039	9.00E-04	5E-05	0.00248	7.9E-07	0.00344	1.10E-03	6.1E-05	0.003038	4.42E-07	4.20E-03	0.000973	4.7E-05	0.006542	4.57E-07	0.007562
4639	490863.09	3859877.25	0.45764	0.58394	0.45379	0.69532	8.34E-04	5E-05	0.00241	7.4E-07	0.0033	1.02E-03	6.09E-05	0.002948	4.15E-07	4.03E-03	0.000901	4.68E-05	0.006348	4.29E-07	0.007297
4640	491363.09	3859877.25	0.41899	0.54847	0.42437	0.6398	7.64E-04	4.7E-05	0.00225	6.8E-07	0.00307	9.36E-04	5.72E-05	0.002756	3.82E-07	3.75E-03	0.000825	4.4E-05	0.005937	3.94E-07	0.006806
4641	491863.09	3859877.25	0.38653	0.54453	0.417	0.65958	7.05E-04	4.6E-05	0.00222	7E-07	0.00297	8.63E-04	5.68E-05	0.002709	3.94E-07	3.63E-03	0.000761	4.37E-05	0.005833	4.07E-07	0.006639
4642	492363.09	3859877.25	0.3732	0.49219	0.41435	0.58112	6.80E-04	4.2E-05	0.0022	6.2E-07	0.00292	8.34E-04	5.13E-05	0.002691	3.47E-07	3.58E-03	0.000735	3.95E-05	0.005796	3.58E-07	0.006571
4643	492863.09	3859877.25	0.35112	0.44688	0.39089	0.52014	6.40E-04	3.8E-05	0.00208	5.5E-07	0.00276	7.84E-04	4.66E-05	0.002539	3.1E-07	3.37E-03	0.000692	3.58E-05	0.005468	3.21E-07	0.006196
4644	493363.09	3859877.25	0.32415	0.41192	0.3571	0.45409	5.91E-04	3.5E-05	0.0019	4.8E-07	0.00252	7.24E-04	4.3E-05	0.002319	2.71E-07	3.09E-03	0.000638	3.3E-05	0.004995	2.8E-07	0.005667
4645	493863.09	3859877.25	0.30338	0.38916	0.32516	0.39649	5.53E-04	3.3E-05	0.00173	4.2E-07	0.00231	6.78E-04	4.06E-05	0.002112	2.37E-07	2.83E-03	0.000597	3.12E-05	0.004549	2.44E-07	0.005178
4646	494363.09	3859877.25	0.27921	0.3883	0.32087	0.35371	5.09E-04	3.3E-05	0.0017	3.8E-07	0.00225	6.24E-04	4.05E-05	0.002084	2.11E-07	2.75E-03	0.00055	3.11E-05	0.004489	2.18E-07	0.00507
4647	494863.09	3859877.25	0.2719	0.35346	0.31214	0.33167	4.96E-04	3E-05	0.00166	3.5E-07	0.00218	6.07E-04	3.69E-05	0.002027	1.98E-07	2.67E-03	0.000535	2.84E-05	0.004367	2.04E-07	0.004931
4648	495363.09	3859877.25	0.26264	0.31192	0.30836	0.30512	4.79E-04	2.7E-05	0.00164	3.3E-07	0.00214	5.87E-04	3.25E-05	0.002003	1.82E-07	2.62E-03	0.000517	2.5E-05	0.004314	1.88E-07	0.004856
4649	495863.09	3859877.25	0.24927	0.30319	0.29424	0.26723	4.54E-04	2.6E-05	0.00156	2.9E-07	0.00204	5.57E-04	3.16E-05	0.001911	1.59E-07	2.50E-03	0.000491	2.43E-05	0.004116	1.65E-07	0.004632
4650	496363.09	3859877.25	0.23609	0.3083	0.27749	0.21554	4.30E-04	2.6E-05	0.00147	2.3E-07	0.00193	5.27E-04	3.21E-05	0.001802	1.29E-07	2.36E-03	0.000465	2.47E-05	0.003882	1.33E-07	0.004372
4651	496863.09	3859877.25	0.16559	0.2067	0.19214	0.12847	3.02E-04	1.8E-05	0.00102	1.4E-07	0.00134	3.70E-04	2.16E-05	0.001248	7.67E-08	1.64E-03	0.000326	1.66E-05	0.002688	7.92E-08	0.003031
4652	497363.09	3859877.25	0.2017	0.27527	0.23723	0.17793	3.68E-04	2.3E-05	0.00126	1.9E-07	0.00165	4.51E-04	2.87E-05	0.001541	1.06E-07	2.02E-03	0.000397	2.21E-05	0.003319	1.1E-07	0.003738
4653	497863.09	3859877.25	0.20805	0.26862	0.22909	0.22609	3.79E-04	2.3E-05	0.00122	2.4E-07	0.00162	4.65E-04	2.8E-05	0.001488	1.35E-07	1.98E-03	0.00041	2.15E-05	0.003205	1.39E-07	0.003636
4654	498363.09	3859877.25	0.19097	0.23852	0.20117	0.25167	3.48E-04	2E-05	0.00107	2.7E-07	0.00144	4.27E-04	2.49E-05	0.001307	1.5E-07	1.76E-03	0.000376	1.91E-05	0.002814	1.55E-07	0.00321
4655	471363.09	3860377.25	0.08885	0.1289	0.09933	0.09378	1.62E-04	1.1E-05	0.00053	1E-07	0.0007	1.98E-04	1.34E-05	0.000645	5.6E-08	8.57E-04	0.000175	1.03E-05	0.00139	5.78E-08	0.001575
4656	471863.09	3860377.25	0.09354	0.12815	0.10298	0.09459	1.71E-04	1.1E-05	0.00055	1E-07	0.00073	2.09E-04	1.34E-05	0.000669	5.65E-08	8.91E-04	0.000184	1.03E-05	0.001441	5.83E-08	0.001635
4657	472363.09	3860377.25	0.09958	0.13924	0.10654	0.10148	1.82E-04	1.2E-05	0.00057	1.1E-07	0.00076	2.22E-04	1.45E-05	0.000692	6.06E-08	9.29E-04	0.000196	1.12E-05	0.00149	6.26E-08	0.001698
4658	472863.09	3860377.25	0.10486	0.14108	0.10952	0.10616	1.91E-04	1.2E-05	0.00058	1.1E-07	0.00079	2.34E-04	1.47E-05	0.000711	6.34E-08	9.60E-04	0.000207	1.13E-05	0.001532	6.55E-08	0.00175
4659	473363.09	3860377.25	0.10858	0.16367	0.11725	0.11112	1.98E-04	1.4E-05	0.00062	1.2E-07	0.00083	2.43E-04	1.71E-05	0.000762	6.63E-08	1.02E-03	0.000214	1.31E-05	0.00164	6.85E-08	0.001867
4660	473863.09	3860377.25	0.11118	0.17977	0.12194	0.11672	2.03E-04	1.5E-05	0.00065	1.2E-07	0.00087	2.48E-04	1.87E-05	0.000792	6.97E-08	1.06E-03	0.000219	1.44E-05	0.001706	7.2E-08	0.001939
4661	474363.09	3860377.25	0.11816	0.18428	0.13525	0.11202	2.15E-04	1.6E-05	0.00072	1.2E-07	0.00095	2.64E-04	1.92E-05	0.000878	6.69E-08	1.16E-03	0.000233	1.48E-05	0.001892	6.91E-08	0.00214
4662	474863.09	3860377.25	0.12243	0.16709	0.15081	0.10501	2.23E-04	1.4E-05	0.0008	1.1E-07	0.00104	2.73E-04	1.74E-05	0.00098	6.27E-08	1.27E-03	0.000241	1.34E-05	0.00211	6.47E-08	0.002364
4663	475363.09	3860377.25	0.11588	0.16672	0.14602	0.08195	2.11E-04	1.4E-05	0.00078	8.7E-08	0.001	2.59E-04	1.74E-05	0.000948	4.89E-08	1.22E-03	0.000228	1.34E-05	0.002043	5.05E-08	0.002284
4664	475863.09	3860377.25	0.10629	0.13921	0.12271	0.06496	1.94E-04	1.2E-05	0.00065	6.9E-08	0.00086	2.37E-04	1.45E-05	0.000797	3.88E-08	1.05E-03	0.000209	1.12E-05	0.001717	4.01E-08	0.001937
4665	476363.09	3860377.25	0.08079	0.11566	0.09686	0.04761	1.47E-04	9.8E-06	0.00051	5.1E-08	0.00067	1.80E-04	1.21E-05	0.000629	2.84E-08	8.22E-04	0.000159	9.28E-06	0.001355	2.94E-08	0.001523
4666	476863.09	3860377.25	0.07164	0.10227	0.08264	0.04498	1.31E-04	8.7E-06	0.00044	4.8E-08	0.00058	1.60E-04	1.07E-05	0.000537	2.68E-08	7.07E-04	0.000141	8.2E-06	0.001156	2.77E-08	0.001305
4667	477363.09	3860377.25	0.04117	0.05191	0.0479	0.03031	7.50E-05	4.4E-06	0.00025	3.2E-08	0.00033	9.20E-05	5.41E-06	0.000311	1.81E-08	4.09E-04	8.11E-05	4.16E-06	0.00067	1.87E-08	0.000755
4668	477863.09	3860377.25	0.05319	0.07352	0.05968	0.03679	9.70E-05	6.3E-06	0.00032	3.9E-08	0.00042	1.19E-04	7.67E-06	0.000388	2.2E-08	5.14E-04	0.000105	5.9E-06	0.000835	2.27E-08	0.000946
4669	478363.09	3860377.25	0.10602	0.1533	0.1273	0.06384	1.93E-04	1.3E-05	0.00068	6.8E-08	0.00088	2.37E-04	1.6E-05	0.000827	3.81E-08	1.08E-03	0.000209	1.23E-05	0.001781	3.94E-08	0.002002
4670	478863.09	3860377.25	0.16401	0.21974	0.18762	0.10064	2.99E-04	1.9E-05	0.001	1.1E-07	0.00131	3.66E-04	2.29E-05	0.001219	6.01E-08	1.61E-03	0.000323	1.76E-05	0.002625	6.21E-08	0.002965
4671	479363.09	3860377.25	0.21775	0.30678	0.23941	0.1556	3.97E-04	2.6E-05	0.00127	1.7E-07	0.0017	4.86E-04	3.2E-05	0.001555	9.29E-08	2.07E-03	0.000429	2.46E-05	0.003349	9.59E-08	0.003803
4672	479863.09	3860377.25	0.23481	0.31659	0.25596	0.23104	4.28E-04	2.7E-05	0.00136	2.5E-07	0.00182	5.25E-04	3.3E-05	0.001663	1.38E-07	2.22E-03	0.000462	2.54E-05	0.003581	1.42E-07	0.004069
4673	480363.09	3860377.25	0.23474	0.32235	0.24754	0.27338	4.28E-04	2.7E-05	0.00132	2.9E-07	0.00177	5.24E-04	3.36E-05	0.001608	1.63E-07	2.17E-03	0.000462	2.59E-05	0.003463	1.69E-07	0.003951
4674	480863.09	3860377.25	0.24468	0.38841	0.24857	0.31499	4.46E-04	3.3E-05	0.00132	3.4E-07	0.0018	5.47E-04	4.05E-05	0.001615	1.88E-07	2.20E-03	0.000482	3.12E-05	0.003477	1.94E-07	0.00399
4675	481363.09	3860377.25	0.25373	0.40638	0.26667	0.33333	4.63E-04	3.5E-05	0.00142	3.6E-07	0.00191	5.67E-04	4.24E-05	0.001732	1.99E-07	2.34E-03	0.0005	3.26E-05	0.00373	2.06E-07	0.004263
4676	481863.09	3860377.25	0.26162	0.3864	0.27745	0.33703	4.77E-04	3.3E-05	0.00147	3.6E-07	0.00198	5.84E-04	4.03E-05	0.001802	2.01E-07	2.43E-03	0.000515	3.1E-05	0.003881	2.08E-07	0.004428
4677	482363.09	3860377.25	0.26502	0.34829	0.29581	0.36081	4.83E-04	3E-05	0.00157	3.8E-07	0.00208	5.92E-04	3.63E-05	0.001921	2.15E-07	2.55E-03	0.000522	2.79E-05	0.004138	2.22E-07	0.004688
4678	482863.09	3860377.25	0.27916	0.39888	0.30028	0.38851	5.09E-04	3.4E-05	0.0016	4.1E-07	0.00214	6.24E-04	4.16E-05	0.00195	2.32E-07	2.62E-03	0.00055	3.2E-05	0.004201	2.4E-07	0.004783
4679	483363.09	3860377.25	0.28427	0.40927	0.30866	0.389	5.18E-04	3.5E-05	0.00164	4.1E-07	0.00219	6.35E-04	4.27E-05	0.002005	2.32E-07	2.68E-03	0.00056	3.28E-05	0.004318	2.4E-07	0.004911
4680	483863.09	3860377.25	0.29938	0.41102	0.33671	0.38741	5.46E-04	3.5E-05	0.00179	4.1E-07	0.00237	6.69E-04	4.29E-05	0.002187	2.31E-07	2.90E-03	0.00059	3.3E-05	0.00471	2.39E-07	0.005333
4681	484363.09	3860377.25	0.29468	0.42488	0.31503	0.42357	5.37E-04	3.6E-05	0.00167	4.5E-07	0.00225	6.58E-04	4.43E-05	0.002046	2.53E-07	2.75E-03	0.00058	3.41E-05	0.004407	2.61E-07	0.005022
4682	484863.09	3860377.25	0.29588	0.43538	0.31247	0.43189	5.39E-04	3.7E-05	0.00166	4.6E-07	0.00224	6.61E-04	4.54E-05	0.00203	2.58E-07	2.74E-03	0.000583	3.49E-05	0.004371	2.66E-07	0.004989
4683	485363.09	3860377.25	0.29674	0.5034	0.29768	0.42958	5.41E-04	4.3E-05	0.00158	4.6E-07	0.00217	6.63E-04	5.25E-05	0.001934	2.56E-07	2.65E-03	0.000584	4.04E-05	0.004164	2.65E-07	0.004789
4684	485863.09	3860377.25	0.29565	0.50186	0.31014	0.44346	5.39E-04	4.3E-05	0.00165	4.7E-07	0.00223	6.60E-04	5.23E-05	0.002014	2.65E-07	2.73E-03	0.000582	4.03E-05	0.004339	2.73E-07	0.004961
4685	486363.09	3860377.25	0.29911	0.5369	0.31631	0.45285	5.45E-04	4.6E-05	0.00168	4.8E-07	0.00227	6.68E-04	5.6E-05	0.002055	2.7E-07	2.78E-03	0.000589	4.31E-05	0.004425	2.79E-07	0.005057
4686	486863.09	3860377.25	0.31301	0.48601	0.31534	0.46633	5.71E-04	4.1E-05	0.00168	5E-07	0.00229	6.99E-04	5.07E-05	0.002048	2.78E-07	2.80E-03	0.000616	3.9E-05	0.004411	2.88E-07	0.005067
4687	487363.09	3860377.25	0.31025	0.52967	0.32352	0.45681	5.66E-04	4.5E-05	0.00172	4.9E-07	0.00233	6.93E-04	5.52E-05	0.002101	2.73E-07	2.85E-03	0.000611	4.25E-05	0.004526	2.82E-07	0.00518
4688	487863.09	3860377.25	0.32565	0.51559	0.33483	0.48075	5.94E-04	4.4E-05	0.00178	5.1E-07	0.00242	7.27E-04	5.38E-05	0.002175	2.87E-07	2.96E-03	0.000641	4.14E-05	0.004684	2.96E-07	0.005367
4689	488363.09	3860377.25	0.36238	0.51681	0.38745	0.56054	6.61E-04	4.4E-05	0.00206	6E-07	0.00276	8.09E-04	5.39E-05	0.002517	3.35E-07	3.38E-03	0.000714	4.15E-05	0.00542	3.46E-07	0.006176
4690	488863.09	3860377.25	0.39807	0.50649	0.41922	0.59829	7.26E-04	4.3E-05	0.00223	6.4E-07	0.003	8.89E-04	5.28E-05	0.002723	3.57E-07	3.67E-03	0.000784	4.06E-05	0.005864	3.69E-07	0.006689
4691	489363.09	3860377.25	0.4327	0.52281	0.43208	0.69154	7.89E-04	4.4E-05	0.0023	7.4E-07	0.00313	9.67E-04	5.45E-05	0.002806	4.13E-07	3.83E-03	0.000852	4.19E-05	0.006044	4.26E-07	0.006939
4692	489863.09	3860377.25	0.46071	0.54773	0.434	0.68683	8.40E-04	4.7E-05	0.00231	7.3E-07	0.00319	1.03E-03	5.71E-05	0.002819	4.1E-07	3.91E-03	0.000907	4.39E-05	0.006071	4.23E-07	0.007023
4693	490363.09	3860377.25	0.47886	0.56302	0.43952	0.72365	8.73E-04	4.8E-05	0.00234	7.7E-07	0.00326	1.07E-03	5.87E-05	0.002855	4.32E-07	3.98E-03	0.000943	4.52E-05	0.006148	4.46E-07	0.007137

4694	490863.09	3860377.25	0.39728	0.47236	0.38593	0.60467	7.24E-04	4E-05	0.00205	6.5E-07	0.00282	8.87E-04	4.93E-05	0.002507	3.61E-07	3.44E-03	0.000782	3.79E-05	0.005399	3.73E-07	0.006219
4695	491363.09	3860377.25	0.35107	0.42942	0.33615	0.53824	6.40E-04	3.7E-05	0.00179	5.7E-07	0.00246	7.84E-04	4.48E-05	0.002183	3.21E-07	3.01E-03	0.000691	3.44E-05	0.004702	3.32E-07	0.005429
4696	491863.09	3860377.25	0.34155	0.42496	0.34446	0.51526	6.23E-04	3.6E-05	0.00183	5.5E-07	0.00249	7.63E-04	4.43E-05	0.002237	3.08E-07	3.04E-03	0.000673	3.41E-05	0.004819	3.18E-07	0.005526
4697	492363.09	3860377.25	0.31211	0.41566	0.32345	0.49713	5.69E-04	3.5E-05	0.00172	5.3E-07	0.00232	6.97E-04	4.33E-05	0.002101	2.97E-07	2.84E-03	0.000615	3.33E-05	0.004525	3.07E-07	0.005173
4698	492863.09	3860377.25	0.30155	0.41472	0.33393	0.50348	5.50E-04	3.5E-05	0.00177	5.4E-07	0.00236	6.74E-04	4.32E-05	0.002169	3E-07	2.89E-03	0.000594	3.33E-05	0.004671	3.1E-07	0.005299
4699	493363.09	3860377.25	0.30039	0.39307	0.34373	0.47502	5.48E-04	3.3E-05	0.00183	5.1E-07	0.00241	6.71E-04	4.1E-05	0.002233	2.84E-07	2.94E-03	0.000592	3.15E-05	0.004808	2.93E-07	0.005432
4700	493863.09	3860377.25	0.2783	0.35963	0.3175	0.42826	5.07E-04	3.1E-05	0.00169	4.6E-07	0.00223	6.22E-04	3.75E-05	0.002062	2.56E-07	2.72E-03	0.000548	2.88E-05	0.004442	2.64E-07	0.005019
4701	494363.09	3860377.25	0.27009	0.34163	0.2948	0.39519	4.92E-04	2.9E-05	0.00157	4.2E-07	0.00209	6.03E-04	3.56E-05	0.001915	2.36E-07	2.55E-03	0.000532	2.74E-05	0.004124	2.44E-07	0.004684
4702	494863.09	3860377.25	0.24604	0.31347	0.26771	0.35663	4.48E-04	2.7E-05	0.00142	3.8E-07	0.0019	5.50E-04	3.27E-05	0.001739	2.13E-07	2.32E-03	0.000485	2.51E-05	0.003745	2.2E-07	0.004255
4703	495363.09	3860377.25	0.22518	0.29591	0.25669	0.34233	4.10E-04	2.5E-05	0.00136	3.7E-07	0.0018	5.03E-04	3.09E-05	0.001667	2.04E-07	2.20E-03	0.000443	2.37E-05	0.003591	2.11E-07	0.004058
4704	495863.09	3860377.25	0.21748	0.30392	0.25652	0.29632	3.96E-04	2.6E-05	0.00136	3.2E-07	0.00179	4.86E-04	3.17E-05	0.001666	1.77E-07	2.18E-03	0.000428	2.44E-05	0.003588	1.83E-07	0.004041
4705	496363.09	3860377.25	0.22345	0.27852	0.27458	0.25131	4.07E-04	2.4E-05	0.00146	2.7E-07	0.00189	4.99E-04	2.9E-05	0.001783	1.5E-07	2.31E-03	0.00044	2.23E-05	0.003841	1.55E-07	0.004304
4706	496863.09	3860377.25	0.21578	0.25297	0.25275	0.212	3.93E-04	2.2E-05	0.00134	2.3E-07	0.00176	4.82E-04	2.64E-05	0.001642	1.27E-07	2.15E-03	0.000425	2.03E-05	0.003536	1.31E-07	0.003981
4707	497363.09	3860377.25	0.19305	0.23248	0.22928	0.16351	3.52E-04	2E-05	0.00122	1.7E-07	0.00159	4.31E-04	2.42E-05	0.001489	9.76E-08	1.94E-03	0.00038	1.86E-05	0.003207	1.01E-07	0.003606
4708	497863.09	3860377.25	0.19902	0.2405	0.23647	0.21545	3.63E-04	2E-05	0.00126	2.3E-07	0.00164	4.45E-04	2.51E-05	0.001536	1.29E-07	2.01E-03	0.000392	1.93E-05	0.003308	1.33E-07	0.003719
4709	498363.09	3860377.25	0.17671	0.22265	0.19042	0.24112	3.22E-04	1.9E-05	0.00101	2.6E-07	0.00135	3.95E-04	2.32E-05	0.001237	1.44E-07	1.65E-03	0.000348	1.79E-05	0.002664	1.49E-07	0.00303
4710	471363.09	3860877.25	0.08638	0.12173	0.09641	0.09607	1.57E-04	1E-05	0.00051	1E-07	0.00068	1.93E-04	1.27E-05	0.000626	5.73E-08	8.32E-04	0.00017	9.76E-06	0.001349	5.92E-08	0.001529
4711	471863.09	3860877.25	0.09158	0.12555	0.09996	0.0975	1.67E-04	1.1E-05	0.00053	1E-07	0.00071	2.05E-04	1.31E-05	0.000649	5.82E-08	8.67E-04	0.00018	1.01E-05	0.001398	6.01E-08	0.001589
4712	472363.09	3860877.25	0.09596	0.1472	0.1058	0.10368	1.75E-04	1.3E-05	0.00056	1.1E-07	0.00075	2.14E-04	1.53E-05	0.000687	6.19E-08	9.17E-04	0.000189	1.18E-05	0.00148	6.39E-08	0.001681
4713	472863.09	3860877.25	0.09671	0.14487	0.10821	0.10886	1.76E-04	1.2E-05	0.00057	1.2E-07	0.00076	2.16E-04	1.51E-05	0.000703	6.5E-08	9.34E-04	0.00019	1.16E-05	0.001514	6.71E-08	0.001716
4714	473363.09	3860877.25	0.09981	0.15451	0.11512	0.11571	1.82E-04	1.3E-05	0.00061	1.2E-07	0.00081	2.23E-04	1.61E-05	0.000748	6.91E-08	9.87E-04	0.000197	1.24E-05	0.00161	7.13E-08	0.001819
4715	473863.09	3860877.25	0.10466	0.14817	0.12865	0.12274	1.91E-04	1.3E-05	0.00068	1.3E-07	0.00089	2.34E-04	1.55E-05	0.000836	7.33E-08	1.08E-03	0.000206	1.19E-05	0.0018	7.57E-08	0.002018
4716	474363.09	3860877.25	0.11365	0.15366	0.14002	0.12299	2.07E-04	1.3E-05	0.00074	1.3E-07	0.00096	2.54E-04	1.6E-05	0.000909	7.34E-08	1.18E-03	0.000224	1.23E-05	0.001959	7.58E-08	0.002195
4717	474863.09	3860877.25	0.12368	0.15835	0.14699	0.13053	2.25E-04	1.3E-05	0.00078	1.4E-07	0.00102	2.76E-04	1.65E-05	0.000955	7.79E-08	1.25E-03	0.000244	1.27E-05	0.002056	8.05E-08	0.002313
4718	475363.09	3860877.25	0.13325	0.16772	0.15205	0.12301	2.43E-04	1.4E-05	0.00081	1.3E-07	0.00107	2.98E-04	1.75E-05	0.000988	7.34E-08	1.30E-03	0.000262	1.35E-05	0.002127	7.58E-08	0.002403
4719	475863.09	3860877.25	0.13316	0.19263	0.15331	0.10949	2.43E-04	1.6E-05	0.00081	1.2E-07	0.00107	2.97E-04	2.01E-05	0.000996	6.53E-08	1.31E-03	0.000262	1.55E-05	0.002145	6.75E-08	0.002422
4720	476363.09	3860877.25	0.12462	0.1856	0.14384	0.09086	2.27E-04	1.6E-05	0.00076	9.7E-08	0.00101	2.78E-04	1.94E-05	0.000934	5.42E-08	1.23E-03	0.000245	1.49E-05	0.002012	5.6E-08	0.002273
4721	476863.09	3860877.25	0.12186	0.18815	0.13938	0.08522	2.22E-04	1.6E-05	0.00074	9.1E-08	0.00098	2.72E-04	1.96E-05	0.000905	5.09E-08	1.20E-03	0.00024	1.51E-05	0.00195	5.25E-08	0.002205
4722	477363.09	3860877.25	0.12802	0.18643	0.14629	0.09	2.33E-04	1.6E-05	0.00078	9.6E-08	0.00103	2.86E-04	1.94E-05	0.00095	5.37E-08	1.26E-03	0.000252	1.5E-05	0.002046	5.55E-08	0.002314
4723	477863.09	3860877.25	0.11466	0.16739	0.13434	0.07083	2.09E-04	1.4E-05	0.00071	7.6E-08	0.00094	2.56E-04	1.75E-05	0.000873	4.23E-08	1.15E-03	0.000226	1.34E-05	0.001879	4.37E-08	0.002119
4724	478363.09	3860877.25	0.06502	0.08458	0.07785	0.04294	1.19E-04	7.2E-06	0.00041	4.6E-08	0.00054	1.45E-04	8.82E-06	0.000506	2.56E-08	6.60E-04	0.000128	6.78E-06	0.001089	2.65E-08	0.001224
4725	478863.09	3860877.25	0.15297	0.2242	0.17482	0.09582	2.79E-04	1.9E-05	0.00093	1E-07	0.00123	3.42E-04	2.34E-05	0.001136	5.72E-08	1.50E-03	0.000301	1.8E-05	0.002446	5.91E-08	0.002765
4726	479363.09	3860877.25	0.19245	0.28356	0.21764	0.16198	3.51E-04	2.4E-05	0.00116	1.7E-07	0.00153	4.30E-04	2.96E-05	0.001414	9.67E-08	1.87E-03	0.000379	2.27E-05	0.003045	9.99E-08	0.003446
4727	479863.09	3860877.25	0.21109	0.33204	0.21688	0.22803	3.85E-04	2.8E-05	0.00115	2.4E-07	0.00157	4.72E-04	3.46E-05	0.001409	1.36E-07	1.91E-03	0.000416	2.66E-05	0.003034	1.41E-07	0.003476
4728	480363.09	3860877.25	0.21598	0.3184	0.21056	0.26949	3.94E-04	2.7E-05	0.00112	2.9E-07	0.00154	4.82E-04	3.32E-05	0.001368	1.61E-07	1.88E-03	0.000425	2.55E-05	0.002946	1.66E-07	0.003397
4729	480863.09	3860877.25	0.21812	0.3297	0.21932	0.2837	3.98E-04	2.8E-05	0.00117	3E-07	0.00159	4.87E-04	3.44E-05	0.001425	1.69E-07	1.95E-03	0.00043	2.64E-05	0.003068	1.75E-07	0.003524
4730	481363.09	3860877.25	0.22252	0.32191	0.22868	0.29742	4.06E-04	2.7E-05	0.00122	3.2E-07	0.00165	4.97E-04	3.36E-05	0.001485	1.78E-07	2.02E-03	0.000438	2.58E-05	0.003199	1.83E-07	0.003663
4731	481863.09	3860877.25	0.22748	0.33501	0.2533	0.29981	4.15E-04	2.9E-05	0.00135	3.2E-07	0.00179	5.08E-04	3.49E-05	0.001645	1.79E-07	2.19E-03	0.000448	2.69E-05	0.003543	1.85E-07	0.004018
4732	482363.09	3860877.25	0.23908	0.32349	0.26061	0.32437	4.36E-04	2.8E-05	0.00138	3.5E-07	0.00185	5.34E-04	3.37E-05	0.001693	1.94E-07	2.26E-03	0.000471	2.59E-05	0.003646	2E-07	0.004143
4733	482863.09	3860877.25	0.24443	0.34533	0.26552	0.3221	4.46E-04	2.9E-05	0.00141	3.4E-07	0.00189	5.46E-04	3.6E-05	0.001725	1.92E-07	2.31E-03	0.000481	2.77E-05	0.003714	1.99E-07	0.004224
4734	483363.09	3860877.25	0.25579	0.34967	0.26928	0.33509	4.66E-04	3E-05	0.00143	3.6E-07	0.00193	5.71E-04	3.65E-05	0.001749	2E-07	2.36E-03	0.000504	2.8E-05	0.003767	2.07E-07	0.004299
4735	483863.09	3860877.25	0.25831	0.3762	0.28847	0.34914	4.71E-04	3.2E-05	0.00153	3.7E-07	0.00204	5.77E-04	3.92E-05	0.001874	2.08E-07	2.49E-03	0.000509	3.02E-05	0.004035	2.15E-07	0.004575
4736	484363.09	3860877.25	0.25728	0.39412	0.27847	0.37718	4.69E-04	3.4E-05	0.00148	4E-07	0.00198	5.75E-04	4.11E-05	0.001809	2.25E-07	2.42E-03	0.000507	3.16E-05	0.003896	2.33E-07	0.004434
4737	484863.09	3860877.25	0.25018	0.38953	0.2615	0.37061	4.56E-04	3.3E-05	0.00139	4E-07	0.00188	5.59E-04	4.06E-05	0.001699	2.21E-07	2.30E-03	0.000493	3.12E-05	0.003658	2.29E-07	0.004182
4738	485363.09	3860877.25	0.25428	0.4462	0.25882	0.37674	4.64E-04	3.8E-05	0.00138	4E-07	0.00188	5.68E-04	4.65E-05	0.001681	2.25E-07	2.30E-03	0.000501	3.58E-05	0.003621	2.32E-07	0.004157
4739	485863.09	3860877.25	0.26279	0.40821	0.26746	0.37547	4.79E-04	3.5E-05	0.00142	4E-07	0.00194	5.87E-04	4.26E-05	0.001737	2.24E-07	2.37E-03	0.000518	3.27E-05	0.003741	2.32E-07	0.004292
4740	486363.09	3860877.25	0.25341	0.44562	0.27349	0.38963	4.62E-04	3.8E-05	0.00145	4.2E-07	0.00195	5.66E-04	4.65E-05	0.001776	2.33E-07	2.39E-03	0.000499	3.57E-05	0.003826	2.4E-07	0.004361
4741	486863.09	3860877.25	0.26708	0.40289	0.27026	0.38714	4.87E-04	3.4E-05	0.00144	4.1E-07	0.00196	5.97E-04	4.2E-05	0.001755	2.31E-07	2.39E-03	0.000526	3.23E-05	0.003781	2.39E-07	0.004339
4742	487363.09	3860877.25	0.2577	0.41774	0.27872	0.38153	4.70E-04	3.6E-05	0.00148	4.1E-07	0.00199	5.76E-04	4.36E-05	0.00181	2.28E-07	2.43E-03	0.000508	3.35E-05	0.003899	2.35E-07	0.00444
4743	487863.09	3860877.25	0.26894	0.392	0.28278	0.40926	4.90E-04	3.3E-05	0.0015	4.4E-07	0.00203	6.01E-04	4.09E-05	0.001837	2.44E-07	2.48E-03	0.00053	3.14E-05	0.003956	2.52E-07	0.004517
4744	488363.09	3860877.25	0.29586	0.43315	0.3113	0.42808	5.39E-04	3.7E-05	0.00165	4.6E-07	0.00223	6.61E-04	4.52E-05	0.002022	2.55E-07	2.73E-03	0.000583	3.47E-05	0.004355	2.64E-07	0.004972
4745	488863.09	3860877.25	0.31176	0.39138	0.34661	0.49308	5.68E-04	3.3E-05	0.00184	5.3E-07	0.00244	6.96E-04	4.08E-05	0.002251	2.94E-07	2.99E-03	0.000614	3.14E-05	0.004849	3.04E-07	0.005494
4746	489363.09	3860877.25	0.34958	0.43256	0.3704	0.56352	6.37E-04	3.7E-05	0.00197	6E-07	0.00264	7.81E-04	4.51E-05	0.002406	3.36E-07	3.23E-03	0.000688	3.47E-05	0.005182	3.47E-07	0.005905
4747	489863.09	3860877.25	0.35615	0.44541	0.36055	0.5757	6.49E-04	3.8E-05	0.00192	6.1E-07	0.0026	7.96E-04	4.64E-05	0.002342	3.44E-07	3.18E-03	0.000701	3.57E-05	0.005044	3.55E-07	0.005781
4748	490363.09	3860877.25	0.37089	0.4314	0.35865	0.54713	6.76E-04	3.7E-05	0.00191	5.8E-07	0.00262	8.28E-04	4.5E-05	0.00233	3.27E-07	3.20E-03	0.00073	3.46E-05	0.005017	3.37E-07	0.005783
4749	490863.09	3860877.25	0.38202	0.45218	0.3697	0.59188	6.96E-04	3.8E-05	0.00196	6.3E-07	0.0027	8.53E-04	4.72E-05	0.002401	3.53E-07	3.30E-03	0.000752	3.63E-05	0.005172	3.65E-07	0.005961
4750	491363.09	3860877.25	0.32704	0.3986	0.33421	0.50529	5.96E-04	3.4E-05	0.00178	5.4E-07	0.00241	7.31E-04	4.16E-05	0.002171	3.02E-07	2.94E-03	0.000644	3.2E-05	0.004675	3.12E-07	0.005352
4751	491863.09	3860877.25	0.29472	0.36257	0.29978	0.43141	5.37E-04	3.1E-05	0.00159	4.6E-07	0.00216	6.58E-04	3.78E-05	0.001947	2.57E-07	2.64E-03	0.00058	2.91E-05	0.004194	2.66E-07	0.004803
4752	492363.09	3860877.25	0.27837	0.35386	0.28823	0.44409	5.07E-04	3E-05	0.00153	4.7E-07	0.00207	6.22E-04	3.69E-05	0.001872	2.65E-07	2.53E-03	0.000548	2.84E-05	0.004032	2.74E-07	0.004609
4753	492863.09	3860877.25	0.2614	0.335	0.26528	0.4061	4.76E-04	2.9E-05	0.00141	4.3E-07	0.00191	5.84E-04	3.49E-05	0.001723	2.42E-07	2.34E-03	0.000515	2.69E-05	0.003711	2.5E-07	0.004253
4754	493363.09	3860877.25	0.25461	0.33844	0.26304	0.40471	4.64E-04	2.9E-05	0.0014	4.3E-07	0.00189	5.69E-04	3.53E-05	0.001709	2.42E-07	2.31E-03	0.000501	2.71E-05	0.00368	2.5E-07	0.004209

4755	493863.09	3860877.25	0.24429	0.33339	0.27466	0.41035	4.45E-04	2.8E-05	0.00146	4.4E-07	0.00193	5.46E-04	3.48E-05	0.001784	2.45E-07	2.36E-03	0.000481	2.67E-05	0.003842	2.53E-07	0.00435
4756	494363.09	3860877.25	0.239	0.30384	0.27871	0.37493	4.36E-04	2.6E-05	0.00148	4E-07	0.00194	5.34E-04	3.17E-05	0.00181	2.24E-07	2.38E-03	0.000471	2.44E-05	0.003899	2.31E-07	0.004394
4757	494863.09	3860877.25	0.22866	0.29547	0.26424	0.3704	4.17E-04	2.5E-05	0.0014	4E-07	0.00185	5.11E-04	3.08E-05	0.001716	2.21E-07	2.26E-03	0.00045	2.37E-05	0.003696	2.28E-07	0.004171
4758	495363.09	3860877.25	0.22126	0.27586	0.2436	0.32983	4.03E-04	2.3E-05	0.00129	3.5E-07	0.00172	4.94E-04	2.88E-05	0.001582	1.97E-07	2.11E-03	0.000436	2.21E-05	0.003408	2.03E-07	0.003866
4759	495863.09	3860877.25	0.20534	0.25996	0.22613	0.3003	3.74E-04	2.2E-05	0.0012	3.2E-07	0.0016	4.59E-04	2.71E-05	0.001469	1.79E-07	1.95E-03	0.000404	2.09E-05	0.003163	1.85E-07	0.003589
4760	496363.09	3860877.25	0.19062	0.25113	0.20958	0.29329	3.47E-04	2.1E-05	0.00111	3.1E-07	0.00148	4.26E-04	2.62E-05	0.001361	1.75E-07	1.81E-03	0.000375	2.01E-05	0.002932	1.81E-07	0.003328
4761	496863.09	3860877.25	0.18798	0.25023	0.22253	0.2667	3.43E-04	2.1E-05	0.00118	2.8E-07	0.00155	4.20E-04	2.61E-05	0.001445	1.59E-07	1.89E-03	0.00037	2.01E-05	0.003113	1.64E-07	0.003503
4762	497363.09	3860877.25	0.18227	0.24976	0.21616	0.2559	3.32E-04	2.1E-05	0.00115	2.7E-07	0.0015	4.07E-04	2.6E-05	0.001404	1.53E-07	1.84E-03	0.000359	2E-05	0.003024	1.58E-07	0.003403
4763	497863.09	3860877.25	0.18551	0.23386	0.21848	0.23573	3.38E-04	2E-05	0.00116	2.5E-07	0.00152	4.14E-04	2.44E-05	0.001419	1.41E-07	1.86E-03	0.000365	1.88E-05	0.003056	1.45E-07	0.003441
4764	498363.09	3860877.25	0.17156	0.21661	0.18611	0.25139	3.13E-04	1.8E-05	0.00099	2.7E-07	0.00132	3.83E-04	2.26E-05	0.001209	1.5E-07	1.61E-03	0.000338	1.74E-05	0.002603	1.55E-07	0.002959
4765	471363.09	3861377.25	0.08567	0.12628	0.09586	0.09713	1.56E-04	1.1E-05	0.00051	1E-07	0.00068	1.91E-04	1.32E-05	0.000623	5.8E-08	8.27E-04	0.000169	1.01E-05	0.001341	5.99E-08	0.00152
4766	471863.09	3861377.25	0.08695	0.1343	0.09913	0.09935	1.58E-04	1.1E-05	0.00053	1.1E-07	0.0007	1.94E-04	1.4E-05	0.000644	5.93E-08	8.52E-04	0.000171	1.08E-05	0.001387	6.13E-08	0.001569
4767	472363.09	3861377.25	0.08967	0.13704	0.1019	0.109	1.63E-04	1.2E-05	0.00054	1.2E-07	0.00072	2.00E-04	1.43E-05	0.000662	6.51E-08	8.77E-04	0.000177	1.1E-05	0.001425	6.72E-08	0.001613
4768	472863.09	3861377.25	0.09454	0.13384	0.11051	0.1149	1.72E-04	1.1E-05	0.00059	1.2E-07	0.00077	2.11E-04	1.4E-05	0.000718	6.86E-08	9.43E-04	0.000186	1.07E-05	0.001546	7.08E-08	0.001743
4769	473363.09	3861377.25	0.1005	0.12767	0.1209	0.12009	1.83E-04	1.1E-05	0.00064	1.3E-07	0.00084	2.24E-04	1.33E-05	0.000785	7.17E-08	1.02E-03	0.000198	1.02E-05	0.001691	7.4E-08	0.0019
4770	473863.09	3861377.25	0.10529	0.13299	0.12617	0.12866	1.92E-04	1.1E-05	0.00067	1.4E-07	0.00087	2.35E-04	1.39E-05	0.00082	7.68E-08	1.07E-03	0.000207	1.07E-05	0.001765	7.93E-08	0.001983
4771	474363.09	3861377.25	0.11183	0.13677	0.12569	0.13332	2.04E-04	1.2E-05	0.00067	1.4E-07	0.00088	2.50E-04	1.43E-05	0.000816	7.96E-08	1.08E-03	0.00022	1.1E-05	0.001758	8.22E-08	0.00199
4772	474863.09	3861377.25	0.11763	0.16754	0.12743	0.1354	2.14E-04	1.4E-05	0.00068	1.4E-07	0.00091	2.63E-04	1.75E-05	0.000828	8.08E-08	1.11E-03	0.000232	1.34E-05	0.001783	8.35E-08	0.002028
4773	475363.09	3861377.25	0.12069	0.1764	0.13323	0.14259	2.20E-04	1.5E-05	0.00071	1.5E-07	0.00094	2.70E-04	1.84E-05	0.000865	8.51E-08	1.15E-03	0.000238	1.42E-05	0.001864	8.79E-08	0.002116
4774	475863.09	3861377.25	0.12395	0.1874	0.13964	0.13896	2.26E-04	1.6E-05	0.00074	1.5E-07	0.00098	2.77E-04	1.95E-05	0.000907	8.29E-08	1.20E-03	0.000244	1.5E-05	0.001953	8.57E-08	0.002213
4775	476363.09	3861377.25	0.13267	0.19057	0.14992	0.13471	2.42E-04	1.6E-05	0.0008	1.4E-07	0.00105	2.96E-04	1.99E-05	0.000974	8.04E-08	1.29E-03	0.000261	1.53E-05	0.002097	8.31E-08	0.002374
4776	476863.09	3861377.25	0.1392	0.19614	0.1549	0.13338	2.54E-04	1.7E-05	0.00082	1.4E-07	0.00109	3.11E-04	2.05E-05	0.001006	7.96E-08	1.34E-03	0.000274	1.57E-05	0.002167	8.22E-08	0.002457
4777	477363.09	3861377.25	0.14902	0.21719	0.16201	0.12474	2.72E-04	1.8E-05	0.00086	1.3E-07	0.00115	3.33E-04	2.26E-05	0.001052	7.45E-08	1.41E-03	0.000293	1.74E-05	0.002266	7.69E-08	0.002577
4778	477863.09	3861377.25	0.14091	0.19114	0.15736	0.09349	2.57E-04	1.6E-05	0.00084	1E-07	0.00111	3.15E-04	1.99E-05	0.001022	5.58E-08	1.36E-03	0.000278	1.53E-05	0.002201	5.76E-08	0.002494
4779	478363.09	3861377.25	0.08659	0.11608	0.10143	0.05486	1.58E-04	9.9E-06	0.00054	5.9E-08	0.00071	1.93E-04	1.21E-05	0.000659	3.27E-08	8.64E-04	0.000171	9.31E-06	0.001419	3.38E-08	0.001599
4780	478863.09	3861377.25	0.10342	0.17017	0.13005	0.06776	1.89E-04	1.4E-05	0.00069	7.2E-08	0.00089	2.31E-04	1.77E-05	0.000845	4.04E-08	1.09E-03	0.000204	1.37E-05	0.001819	4.18E-08	0.002037
4781	479363.09	3861377.25	0.1671	0.28637	0.19059	0.15515	3.05E-04	2.4E-05	0.00101	1.7E-07	0.00134	3.73E-04	2.99E-05	0.001238	9.26E-08	1.64E-03	0.000329	2.3E-05	0.002666	9.57E-08	0.003018
4782	479863.09	3861377.25	0.18082	0.28116	0.18693	0.20159	3.30E-04	2.4E-05	0.00099	2.2E-07	0.00135	4.04E-04	2.93E-05	0.001214	1.2E-07	1.65E-03	0.000356	2.26E-05	0.002615	1.24E-07	0.002994
4783	480363.09	3861377.25	0.18476	0.26963	0.1856	0.24521	3.37E-04	2.3E-05	0.00099	2.6E-07	0.00135	4.13E-04	2.81E-05	0.001206	1.46E-07	1.65E-03	0.000364	2.16E-05	0.002596	1.51E-07	0.002982
4784	480863.09	3861377.25	0.18962	0.2859	0.19628	0.25838	3.46E-04	2.4E-05	0.00104	2.8E-07	0.00141	4.24E-04	2.98E-05	0.001275	1.54E-07	1.73E-03	0.000373	2.29E-05	0.002746	1.59E-07	0.003142
4785	481363.09	3861377.25	0.19799	0.30132	0.21642	0.26019	3.61E-04	2.6E-05	0.00115	2.8E-07	0.00154	4.42E-04	3.14E-05	0.001406	1.55E-07	1.88E-03	0.00039	2.42E-05	0.003027	1.6E-07	0.003442
4786	481863.09	3861377.25	0.20566	0.26219	0.22406	0.27143	3.75E-04	2.2E-05	0.00119	2.9E-07	0.00159	4.59E-04	2.73E-05	0.001455	1.62E-07	1.94E-03	0.000405	2.1E-05	0.003134	1.67E-07	0.003561
4787	482363.09	3861377.25	0.20475	0.29245	0.23501	0.28736	3.73E-04	2.5E-05	0.00125	3.1E-07	0.00165	4.57E-04	3.05E-05	0.001526	1.72E-07	2.01E-03	0.000403	2.35E-05	0.003288	1.77E-07	0.003714
4788	482863.09	3861377.25	0.21401	0.29972	0.23148	0.28518	3.90E-04	2.6E-05	0.00123	3E-07	0.00165	4.78E-04	3.13E-05	0.001504	1.7E-07	2.01E-03	0.000421	2.4E-05	0.003238	1.76E-07	0.003684
4789	483363.09	3861377.25	0.21966	0.30856	0.24545	0.29403	4.00E-04	2.6E-05	0.0013	3.1E-07	0.00173	4.91E-04	3.22E-05	0.001594	1.75E-07	2.12E-03	0.000433	2.48E-05	0.003434	1.81E-07	0.003891
4790	483863.09	3861377.25	0.22213	0.32993	0.24554	0.32038	4.05E-04	2.8E-05	0.0013	3.4E-07	0.00174	4.96E-04	3.44E-05	0.001595	1.91E-07	2.13E-03	0.000437	2.65E-05	0.003435	1.98E-07	0.003899
4791	484363.09	3861377.25	0.22948	0.35306	0.24736	0.31835	4.18E-04	3E-05	0.00131	3.4E-07	0.00176	5.13E-04	3.68E-05	0.001607	1.9E-07	2.16E-03	0.000452	2.83E-05	0.00346	1.96E-07	0.003941
4792	484863.09	3861377.25	0.22028	0.36888	0.23083	0.32561	4.02E-04	3.1E-05	0.00123	3.5E-07	0.00166	4.92E-04	3.85E-05	0.001499	1.94E-07	2.03E-03	0.000434	2.96E-05	0.003229	2.01E-07	0.003693
4793	485363.09	3861377.25	0.22416	0.35204	0.22959	0.31661	4.09E-04	3E-05	0.00122	3.4E-07	0.00166	5.01E-04	3.67E-05	0.001491	1.89E-07	2.03E-03	0.000441	2.82E-05	0.003212	1.95E-07	0.003682
4794	485863.09	3861377.25	0.21921	0.33568	0.23197	0.32846	4.00E-04	2.9E-05	0.00123	3.5E-07	0.00166	4.90E-04	3.5E-05	0.001507	1.96E-07	2.03E-03	0.000432	2.69E-05	0.003245	2.03E-07	0.003704
4795	486363.09	3861377.25	0.22009	0.38242	0.23705	0.32349	4.01E-04	3.3E-05	0.00126	3.5E-07	0.00169	4.92E-04	3.99E-05	0.00154	1.93E-07	2.07E-03	0.000433	3.07E-05	0.003316	1.99E-07	0.00378
4796	486863.09	3861377.25	0.23483	0.33763	0.23827	0.33417	4.28E-04	2.9E-05	0.00127	3.6E-07	0.00172	5.25E-04	3.52E-05	0.001548	1.99E-07	2.11E-03	0.000462	2.71E-05	0.003333	2.06E-07	0.003823
4797	487363.09	3861377.25	0.21767	0.34148	0.23947	0.34142	3.97E-04	2.9E-05	0.00127	3.6E-07	0.0017	4.86E-04	3.56E-05	0.001555	2.04E-07	2.08E-03	0.000429	2.74E-05	0.00335	2.11E-07	0.003806
4798	487863.09	3861377.25	0.23188	0.31205	0.25552	0.35721	4.23E-04	2.7E-05	0.00136	3.8E-07	0.00181	5.18E-04	3.25E-05	0.00166	2.13E-07	2.21E-03	0.000457	2.5E-05	0.003574	2.2E-07	0.004056
4799	488363.09	3861377.25	0.23549	0.38443	0.25789	0.35412	4.29E-04	3.3E-05	0.00137	3.8E-07	0.00183	5.26E-04	4.01E-05	0.001675	2.11E-07	2.24E-03	0.000464	3.08E-05	0.003608	2.18E-07	0.004102
4800	488863.09	3861377.25	0.2509	0.35072	0.28856	0.38997	4.57E-04	3E-05	0.00153	4.2E-07	0.00202	5.60E-04	3.66E-05	0.001874	2.33E-07	2.47E-03	0.000494	2.81E-05	0.004037	2.4E-07	0.004559
4801	489363.09	3861377.25	0.2714	0.34522	0.31605	0.43061	4.95E-04	2.9E-05	0.00168	4.6E-07	0.0022	6.06E-04	3.6E-05	0.002053	2.57E-07	2.70E-03	0.000535	2.77E-05	0.004421	2.66E-07	0.004984
4802	489863.09	3861377.25	0.29212	0.39236	0.31214	0.47126	5.32E-04	3.3E-05	0.00166	5E-07	0.00222	6.53E-04	4.09E-05	0.002027	2.81E-07	2.72E-03	0.000575	3.15E-05	0.004367	2.91E-07	0.004974
4803	490363.09	3861377.25	0.30769	0.35849	0.29878	0.47826	5.61E-04	3.1E-05	0.00159	5.1E-07	0.00218	6.87E-04	3.74E-05	0.001941	2.85E-07	2.67E-03	0.000606	2.88E-05	0.00418	2.95E-07	0.004815
4804	490863.09	3861377.25	0.3092	0.36254	0.30323	0.44123	5.64E-04	3.1E-05	0.00161	4.7E-07	0.00221	6.91E-04	3.78E-05	0.00197	2.63E-07	2.70E-03	0.000609	2.91E-05	0.004242	2.72E-07	0.00488
4805	491363.09	3861377.25	0.32053	0.37887	0.31596	0.49464	5.84E-04	3.2E-05	0.00168	5.3E-07	0.0023	7.16E-04	3.95E-05	0.002052	2.95E-07	2.81E-03	0.000631	3.04E-05	0.00442	3.05E-07	0.005082
4806	491863.09	3861377.25	0.27633	0.33686	0.28798	0.43715	5.04E-04	2.9E-05	0.00153	4.7E-07	0.00206	6.17E-04	3.51E-05	0.001871	2.61E-07	2.52E-03	0.000544	2.7E-05	0.004029	2.7E-07	0.0046
4807	492363.09	3861377.25	0.24988	0.30325	0.25046	0.37622	4.55E-04	2.6E-05	0.00133	4E-07	0.00181	5.58E-04	3.16E-05	0.001627	2.25E-07	2.22E-03	0.000492	2.43E-05	0.003504	2.32E-07	0.00402
4808	492863.09	3861377.25	0.2364	0.29336	0.23592	0.36626	4.31E-04	2.5E-05	0.00125	3.9E-07	0.00171	5.28E-04	3.06E-05	0.001532	2.19E-07	2.09E-03	0.000466	2.35E-05	0.0033	2.26E-07	0.00379
4809	493363.09	3861377.25	0.224	0.28363	0.23382	0.33907	4.08E-04	2.4E-05	0.00124	3.6E-07	0.00168	5.00E-04	2.96E-05	0.001519	2.02E-07	2.05E-03	0.000441	2.28E-05	0.003271	2.09E-07	0.003735
4810	493863.09	3861377.25	0.2119	0.27262	0.21651	0.32826	3.86E-04	2.3E-05	0.00115	3.5E-07	0.00156	4.73E-04	2.84E-05	0.001406	1.96E-07	1.91E-03	0.000417	2.19E-05	0.003029	2.02E-07	0.003468
4811	494363.09	3861377.25	0.21323	0.27964	0.22161	0.33691	3.89E-04	2.4E-05	0.00118	3.6E-07	0.00159	4.76E-04	2.92E-05	0.001439	2.01E-07	1.95E-03	0.00042	2.24E-05	0.0031	2.08E-07	0.003543
4812	494863.09	3861377.25	0.20353	0.27046	0.22967	0.32988	3.71E-04	2.3E-05	0.00122	3.5E-07	0.00161	4.55E-04	2.82E-05	0.001492	1.97E-07	1.97E-03	0.000401	2.17E-05	0.003213	2.03E-07	0.003636
4813	495363.09	3861377.25	0.19598	0.25108	0.23101	0.31378	3.57E-04	2.1E-05	0.00123	3.3E-07	0.00161	4.38E-04	2.62E-05	0.0015	1.87E-07	1.96E-03	0.000386	2.01E-05	0.003232	1.93E-07	0.003638
4814	495863.09	3861377.25	0.18844	0.2472	0.21764	0.30607	3.43E-04	2.1E-05	0.00116	3.3E-07	0.00152	4.21E-04	2.58E-05	0.001414	1.83E-07	1.86E-03	0.000371	1.98E-05	0.003045	1.89E-07	0.003436
4815	496363.09	3861377.25	0.18129	0.23149	0.20013	0.28612	3.30E-04	2E-05	0.00106	3.1E-07	0.00141	4.05E-04	2.41E-05	0.0013	1.71E-07	1.73E-03	0.000357	1.86E-05	0.0028	1.76E-07	0.003175

4816	496863.09	3861377.25	0.1785	0.22101	0.19666	0.2544	3.25E-04	1.9E-05	0.00104	2.7E-07	0.00139	3.99E-04	2.3E-05	0.001277	1.52E-07	1.70E-03	0.000352	1.77E-05	0.002751	1.57E-07	0.003121
4817	497363.09	3861377.25	0.16456	0.21678	0.17724	0.24451	3.00E-04	1.8E-05	0.00094	2.6E-07	0.00126	3.68E-04	2.26E-05	0.001151	1.46E-07	1.54E-03	0.000324	1.74E-05	0.002479	1.51E-07	0.002821
4818	497863.09	3861377.25	0.16218	0.20578	0.18079	0.24655	2.96E-04	1.8E-05	0.00096	2.6E-07	0.00127	3.62E-04	2.15E-05	0.001174	1.47E-07	1.56E-03	0.000319	1.65E-05	0.002529	1.52E-07	0.002865
4819	498363.09	3861377.25	0.15012	0.20081	0.17634	0.24039	2.74E-04	1.7E-05	0.00094	2.6E-07	0.00123	3.35E-04	2.09E-05	0.001145	1.43E-07	1.50E-03	0.000296	1.61E-05	0.002467	1.48E-07	0.002779
4820	471363.09	3861877.25	0.08275	0.122	0.08861	0.10053	1.51E-04	1E-05	0.00047	1.1E-07	0.00063	1.85E-04	1.27E-05	0.000576	6E-08	7.73E-04	0.000163	9.79E-06	0.00124	6.2E-08	0.001412
4821	471863.09	3861877.25	0.08694	0.11828	0.09544	0.10488	1.58E-04	1E-05	0.00051	1.1E-07	0.00068	1.94E-04	1.23E-05	0.00062	6.26E-08	8.27E-04	0.000171	9.49E-06	0.001335	6.47E-08	0.001516
4822	472363.09	3861877.25	0.09046	0.11814	0.10451	0.11112	1.65E-04	1E-05	0.00056	1.2E-07	0.00073	2.02E-04	1.23E-05	0.000679	6.63E-08	8.93E-04	0.000178	9.48E-06	0.001462	6.85E-08	0.00165
4823	472863.09	3861877.25	0.09367	0.11884	0.10983	0.1236	1.71E-04	1E-05	0.00058	1.3E-07	0.00076	2.09E-04	1.24E-05	0.000713	7.38E-08	9.35E-04	0.000184	9.53E-06	0.001536	7.62E-08	0.001731
4824	473363.09	3861877.25	0.09787	0.12388	0.10925	0.12666	1.78E-04	1.1E-05	0.00058	1.4E-07	0.00077	2.19E-04	1.29E-05	0.00071	7.56E-08	9.41E-04	0.000193	9.94E-06	0.001528	7.81E-08	0.001731
4825	473863.09	3861877.25	0.10112	0.13889	0.11175	0.13127	1.84E-04	1.2E-05	0.00059	1.4E-07	0.00079	2.26E-04	1.45E-05	0.000726	7.83E-08	9.66E-04	0.000199	1.11E-05	0.001563	8.09E-08	0.001774
4826	474363.09	3861877.25	0.10391	0.15274	0.11525	0.13342	1.89E-04	1.3E-05	0.00061	1.4E-07	0.00081	2.32E-04	1.59E-05	0.000749	7.96E-08	9.97E-04	0.000205	1.23E-05	0.001612	8.23E-08	0.001829
4827	474863.09	3861877.25	0.10539	0.15528	0.11936	0.13324	1.92E-04	1.3E-05	0.00063	1.4E-07	0.00084	2.35E-04	1.62E-05	0.000775	7.95E-08	1.03E-03	0.000208	1.25E-05	0.00167	8.22E-08	0.00189
4828	475363.09	3861877.25	0.10814	0.16454	0.12329	0.13883	1.97E-04	1.4E-05	0.00066	1.5E-07	0.00087	2.42E-04	1.72E-05	0.000801	8.29E-08	1.06E-03	0.000213	1.32E-05	0.001725	8.56E-08	0.001951
4829	475863.09	3861877.25	0.11249	0.15383	0.12972	0.14144	2.05E-04	1.3E-05	0.00069	1.5E-07	0.00091	2.51E-04	1.6E-05	0.000843	8.44E-08	1.11E-03	0.000222	1.23E-05	0.001815	8.72E-08	0.002049
4830	476363.09	3861877.25	0.12179	0.17484	0.13332	0.14597	2.22E-04	1.5E-05	0.00071	1.6E-07	0.00095	2.72E-04	1.82E-05	0.000866	8.71E-08	1.16E-03	0.00024	1.4E-05	0.001865	9E-08	0.002119
4831	476863.09	3861877.25	0.13177	0.18511	0.14316	0.14674	2.40E-04	1.6E-05	0.00076	1.6E-07	0.00102	2.94E-04	1.93E-05	0.00093	8.76E-08	1.24E-03	0.00026	1.48E-05	0.002003	9.05E-08	0.002277
4832	477363.09	3861877.25	0.14497	0.19771	0.15377	0.14668	2.64E-04	1.7E-05	0.00082	1.6E-07	0.0011	3.24E-04	2.06E-05	0.000999	8.75E-08	1.34E-03	0.000286	1.59E-05	0.002151	9.04E-08	0.002453
4833	477863.09	3861877.25	0.13658	0.22935	0.15443	0.09829	2.49E-04	2E-05	0.00082	1E-07	0.00109	3.05E-04	2.39E-05	0.001003	5.87E-08	1.33E-03	0.000269	1.84E-05	0.00216	6.06E-08	0.002448
4834	478363.09	3861877.25	0.07048	0.09596	0.08121	0.04474	1.28E-04	8.2E-06	0.00043	4.8E-08	0.00057	1.57E-04	1E-05	0.000527	2.67E-08	6.95E-04	0.000139	7.7E-06	0.001136	2.76E-08	0.001283
4835	478863.09	3861877.25	0.1141	0.17969	0.13255	0.07615	2.08E-04	1.5E-05	0.0007	8.1E-08	0.00093	2.55E-04	1.87E-05	0.000861	4.54E-08	1.13E-03	0.000225	1.44E-05	0.001854	4.7E-08	0.002093
4836	479363.09	3861877.25	0.10531	0.15636	0.11687	0.06788	1.92E-04	1.3E-05	0.00062	7.2E-08	0.00083	2.35E-04	1.63E-05	0.000759	4.05E-08	1.01E-03	0.000207	1.25E-05	0.001635	4.19E-08	0.001855
4837	479863.09	3861877.25	0.16727	0.23824	0.17121	0.18909	3.05E-04	2E-05	0.00091	2E-07	0.00124	3.74E-04	2.48E-05	0.001112	1.13E-07	1.51E-03	0.000329	1.91E-05	0.002395	1.17E-07	0.002744
4838	480363.09	3861877.25	0.16076	0.26028	0.17045	0.21233	2.93E-04	2.2E-05	0.00091	2.3E-07	0.00122	3.59E-04	2.71E-05	0.001107	1.27E-07	1.49E-03	0.000317	2.09E-05	0.002384	1.31E-07	0.002722
4839	480863.09	3861877.25	0.17103	0.2544	0.18523	0.21761	3.12E-04	2.2E-05	0.00098	2.3E-07	0.00132	3.82E-04	2.65E-05	0.001203	1.3E-07	1.61E-03	0.000337	2.04E-05	0.002591	1.34E-07	0.002949
4840	481363.09	3861877.25	0.17813	0.2461	0.195	0.22532	3.25E-04	2.1E-05	0.00104	2.4E-07	0.00138	3.98E-04	2.57E-05	0.001267	1.34E-07	1.69E-03	0.000351	1.97E-05	0.002728	1.39E-07	0.003099
4841	481863.09	3861877.25	0.17818	0.23247	0.20873	0.24475	3.25E-04	2E-05	0.00111	2.6E-07	0.00145	3.98E-04	2.42E-05	0.001356	1.46E-07	1.78E-03	0.000351	1.86E-05	0.00292	1.51E-07	0.00329
4842	482363.09	3861877.25	0.18428	0.26112	0.20636	0.25465	3.36E-04	2.2E-05	0.0011	2.7E-07	0.00145	4.12E-04	2.72E-05	0.00134	1.52E-07	1.78E-03	0.000363	2.09E-05	0.002887	1.57E-07	0.003271
4843	482863.09	3861877.25	0.18736	0.27043	0.21032	0.2616	3.42E-04	2.3E-05	0.00112	2.8E-07	0.00148	4.19E-04	2.82E-05	0.001366	1.56E-07	1.81E-03	0.000369	2.17E-05	0.002942	1.61E-07	0.003333
4844	483363.09	3861877.25	0.19458	0.29439	0.21699	0.27407	3.55E-04	2.5E-05	0.00115	2.9E-07	0.00153	4.35E-04	3.07E-05	0.001409	1.64E-07	1.87E-03	0.000383	2.36E-05	0.003035	1.69E-07	0.003442
4845	483863.09	3861877.25	0.19796	0.29098	0.21904	0.27509	3.61E-04	2.5E-05	0.00116	2.9E-07	0.00155	4.42E-04	3.03E-05	0.001423	1.64E-07	1.90E-03	0.00039	2.33E-05	0.003064	1.7E-07	0.003478
4846	484363.09	3861877.25	0.19958	0.31027	0.21524	0.28545	3.64E-04	2.6E-05	0.00114	3E-07	0.00153	4.46E-04	3.24E-05	0.001398	1.7E-07	1.88E-03	0.000393	2.49E-05	0.003011	1.76E-07	0.003429
4847	484863.09	3861877.25	0.19442	0.32791	0.20487	0.28291	3.54E-04	2.8E-05	0.00109	3E-07	0.00147	4.34E-04	3.42E-05	0.001331	1.69E-07	1.80E-03	0.000383	2.63E-05	0.002866	1.74E-07	0.003275
4848	485363.09	3861877.25	0.19239	0.31273	0.20491	0.28546	3.51E-04	2.7E-05	0.00109	3E-07	0.00147	4.30E-04	3.26E-05	0.001331	1.7E-07	1.79E-03	0.000379	2.51E-05	0.002866	1.76E-07	0.003271
4849	485863.09	3861877.25	0.18827	0.29353	0.20619	0.28422	3.43E-04	2.5E-05	0.0011	3E-07	0.00146	4.21E-04	3.06E-05	0.001339	1.7E-07	1.79E-03	0.000371	2.35E-05	0.002884	1.75E-07	0.003279
4850	486363.09	3861877.25	0.19517	0.32302	0.20522	0.27688	3.56E-04	2.7E-05	0.00109	3E-07	0.00147	4.36E-04	3.37E-05	0.001333	1.65E-07	1.80E-03	0.000384	2.59E-05	0.002871	1.71E-07	0.003281
4851	486863.09	3861877.25	0.20667	0.29872	0.21415	0.29138	3.77E-04	2.5E-05	0.00114	3.1E-07	0.00154	4.62E-04	3.11E-05	0.001391	1.74E-07	1.88E-03	0.000407	2.4E-05	0.002996	1.8E-07	0.003427
4852	487363.09	3861877.25	0.19655	0.29825	0.21391	0.29938	3.58E-04	2.5E-05	0.00114	3.2E-07	0.00152	4.39E-04	3.11E-05	0.001389	1.79E-07	1.86E-03	0.000387	2.39E-05	0.002992	1.85E-07	0.003404
4853	487863.09	3861877.25	0.20053	0.27054	0.23193	0.28726	3.66E-04	2.3E-05	0.00123	3.1E-07	0.00162	4.48E-04	2.82E-05	0.001506	1.71E-07	1.98E-03	0.000395	2.17E-05	0.003244	1.77E-07	0.003661
4854	488363.09	3861877.25	0.20205	0.31922	0.22804	0.3095	3.68E-04	2.7E-05	0.00121	3.3E-07	0.00161	4.51E-04	3.33E-05	0.001481	1.85E-07	1.97E-03	0.000398	2.56E-05	0.00319	1.91E-07	0.003614
4855	488863.09	3861877.25	0.20822	0.30616	0.24226	0.31703	3.80E-04	2.6E-05	0.00129	3.4E-07	0.00169	4.65E-04	3.19E-05	0.001574	1.89E-07	2.07E-03	0.00041	2.46E-05	0.003389	1.95E-07	0.003824
4856	489363.09	3861877.25	0.2288	0.27422	0.24935	0.36983	4.17E-04	2.3E-05	0.00132	3.9E-07	0.00177	5.11E-04	2.86E-05	0.00162	2.21E-07	2.16E-03	0.000451	2.2E-05	0.003488	2.28E-07	0.003961
4857	489863.09	3861877.25	0.25409	0.28949	0.27326	0.398	4.63E-04	2.5E-05	0.00145	4.2E-07	0.00194	5.68E-04	3.02E-05	0.001775	2.38E-07	2.37E-03	0.0005	2.32E-05	0.003823	2.45E-07	0.004347
4858	490363.09	3861877.25	0.25722	0.30849	0.27055	0.41181	4.69E-04	2.6E-05	0.00144	4.4E-07	0.00193	5.75E-04	3.22E-05	0.001757	2.46E-07	2.36E-03	0.000507	2.47E-05	0.003785	2.54E-07	0.004316
4859	490863.09	3861877.25	0.25456	0.30759	0.25325	0.40675	4.64E-04	2.6E-05	0.00135	4.3E-07	0.00184	5.69E-04	3.21E-05	0.001645	2.43E-07	2.25E-03	0.000501	2.47E-05	0.003543	2.51E-07	0.004069
4860	491363.09	3861877.25	0.26345	0.31418	0.25985	0.37725	4.80E-04	2.7E-05	0.00138	4E-07	0.00189	5.88E-04	3.28E-05	0.001688	2.25E-07	2.31E-03	0.000519	2.52E-05	0.003635	2.33E-07	0.004179
4861	491863.09	3861877.25	0.27486	0.32848	0.27482	0.4246	5.01E-04	2.8E-05	0.00146	4.5E-07	0.00199	6.14E-04	3.43E-05	0.001785	2.53E-07	2.43E-03	0.000541	2.63E-05	0.003844	2.62E-07	0.004412
4862	492363.09	3861877.25	0.2415	0.29571	0.25246	0.38116	4.40E-04	2.5E-05	0.00134	4.1E-07	0.00181	5.39E-04	3.08E-05	0.00164	2.27E-07	2.21E-03	0.000476	2.37E-05	0.003532	2.35E-07	0.004031
4863	492863.09	3861877.25	0.21162	0.25897	0.2129	0.32007	3.86E-04	2.2E-05	0.00113	3.4E-07	0.00154	4.73E-04	2.7E-05	0.001383	1.91E-07	1.88E-03	0.000417	2.08E-05	0.002978	1.97E-07	0.003416
4864	493363.09	3861877.25	0.20103	0.24995	0.19927	0.29868	3.66E-04	2.1E-05	0.00106	3.2E-07	0.00145	4.49E-04	2.61E-05	0.001294	1.78E-07	1.77E-03	0.000396	2.01E-05	0.002788	1.84E-07	0.003204
4865	493863.09	3861877.25	0.19546	0.25728	0.20602	0.32222	3.56E-04	2.2E-05	0.00109	3.4E-07	0.00147	4.37E-04	2.68E-05	0.001338	1.92E-07	1.80E-03	0.000385	2.06E-05	0.002882	1.99E-07	0.003288
4866	494363.09	3861877.25	0.18663	0.24272	0.19463	0.28705	3.40E-04	2.1E-05	0.00103	3.1E-07	0.0014	4.17E-04	2.53E-05	0.001264	1.71E-07	1.71E-03	0.000368	1.95E-05	0.002723	1.77E-07	0.00311
4867	494863.09	3861877.25	0.18181	0.22957	0.1882	0.27795	3.31E-04	2E-05	0.001	3E-07	0.00135	4.06E-04	2.39E-05	0.001222	1.66E-07	1.65E-03	0.000358	1.84E-05	0.002633	1.71E-07	0.003009
4868	495363.09	3861877.25	0.18484	0.24009	0.19501	0.29553	3.37E-04	2E-05	0.00104	3.2E-07	0.00139	4.13E-04	2.5E-05	0.001267	1.76E-07	1.70E-03	0.000364	1.93E-05	0.002728	1.82E-07	0.003111
4869	495863.09	3861877.25	0.17456	0.22947	0.19708	0.27796	3.18E-04	2E-05	0.00105	3E-07	0.00139	3.90E-04	2.39E-05	0.00128	1.66E-07	1.69E-03	0.000344	1.84E-05	0.002757	1.71E-07	0.003119
4870	496363.09	3861877.25	0.16758	0.21517	0.20046	0.2694	3.05E-04	1.8E-05	0.00107	2.9E-07	0.00139	3.74E-04	2.24E-05	0.001302	1.61E-07	1.70E-03	0.00033	1.73E-05	0.002804	1.66E-07	0.003152
4871	496863.09	3861877.25	0.17785	0.23999	0.20685	0.27506	3.24E-04	2E-05	0.0011	2.9E-07	0.00144	3.97E-04	2.5E-05	0.001344	1.64E-07	1.77E-03	0.00035	1.93E-05	0.002894	1.7E-07	0.003263
4872	497363.09	3861877.25	0.15843	0.20952	0.17798	0.2459	2.89E-04	1.8E-05	0.00095	2.6E-07	0.00125	3.54E-04	2.18E-05	0.001156	1.47E-07	1.53E-03	0.000312	1.68E-05	0.00249	1.52E-07	0.002819
4873	497863.09	3861877.25	0.15029	0.1895	0.16321	0.22645	2.74E-04	1.6E-05	0.00087	2.4E-07	0.00116	3.36E-04	1.98E-05	0.00106	1.35E-07	1.42E-03	0.000296	1.52E-05	0.002283	1.4E-07	0.002594
4874	498363.09	3861877.25	0.13745	0.17824	0.15094	0.21573	2.51E-04	1.5E-05	0.0008	2.3E-07	0.00107	3.07E-04	1.86E-05	0.00098	1.29E-07	1.31E-03	0.000271	1.43E-05	0.002111	1.33E-07	0.002397
4875	471363.09	3862377.25	0.08236	0.11071	0.0932	0.10166	1.50E-04	9.4E-06	0.0005	1.1E-07	0.00065	1.84E-04	1.15E-05	0.000605	6.07E-08	8.01E-04	0.000162	8.88E-06	0.001304	6.27E-08	0.001475
4876	471863.09	3862377.25	0.08394	0.10898	0.09628	0.11443	1.53E-04	9.3E-06	0.00051	1.2E-07	0.00067	1.87E-04	1.14E-05	0.000625	6.83E-08	8.24E-04	0.000165	8.74E-06	0.001347	7.06E-08	0.001521

4877	472363.09	3862377.25	0.08623	0.11011	0.09859	0.12011	1.57E-04	9.4E-06	0.00052	1.3E-07	0.00069	1.93E-04	1.15E-05	0.00064	7.17E-08	8.45E-04	0.00017	8.83E-06	0.001379	7.41E-08	0.001558
4878	472863.09	3862377.25	0.08918	0.1227	0.10018	0.12065	1.63E-04	1E-05	0.00053	1.3E-07	0.00071	1.99E-04	1.28E-05	0.000651	7.2E-08	8.63E-04	0.000176	9.84E-06	0.001401	7.44E-08	0.001587
4879	473363.09	3862377.25	0.09071	0.13367	0.10245	0.1192	1.65E-04	1.1E-05	0.00054	1.3E-07	0.00072	2.03E-04	1.39E-05	0.000665	7.11E-08	8.82E-04	0.000179	1.07E-05	0.001433	7.35E-08	0.001623
4880	473863.09	3862377.25	0.0915	0.13489	0.10658	0.12259	1.67E-04	1.1E-05	0.00057	1.3E-07	0.00074	2.04E-04	1.41E-05	0.000692	7.32E-08	9.11E-04	0.00018	1.08E-05	0.001491	7.56E-08	0.001682
4881	474363.09	3862377.25	0.09521	0.13868	0.11008	0.1262	1.74E-04	1.2E-05	0.00058	1.3E-07	0.00077	2.13E-04	1.45E-05	0.000715	7.53E-08	9.42E-04	0.000188	1.11E-05	0.00154	7.78E-08	0.001739
4882	474863.09	3862377.25	0.10049	0.13439	0.1134	0.12845	1.83E-04	1.1E-05	0.0006	1.4E-07	0.0008	2.24E-04	1.4E-05	0.000737	7.67E-08	9.75E-04	0.000198	1.08E-05	0.001586	7.92E-08	0.001795
4883	475363.09	3862377.25	0.10211	0.14586	0.11557	0.13365	1.86E-04	1.2E-05	0.00061	1.4E-07	0.00081	2.28E-04	1.52E-05	0.000751	7.98E-08	9.94E-04	0.000201	1.17E-05	0.001617	8.24E-08	0.00183
4884	475863.09	3862377.25	0.10995	0.15783	0.11856	0.13809	2.00E-04	1.3E-05	0.00063	1.5E-07	0.00084	2.46E-04	1.65E-05	0.00077	8.24E-08	1.03E-03	0.000217	1.27E-05	0.001659	8.51E-08	0.001888
4885	476363.09	3862377.25	0.11615	0.16168	0.12035	0.14788	2.12E-04	1.4E-05	0.00064	1.6E-07	0.00087	2.59E-04	1.69E-05	0.000782	8.83E-08	1.06E-03	0.000229	1.3E-05	0.001684	9.12E-08	0.001925
4886	476863.09	3862377.25	0.12393	0.17456	0.12618	0.1477	2.26E-04	1.5E-05	0.00067	1.6E-07	0.00091	2.77E-04	1.82E-05	0.00082	8.82E-08	1.11E-03	0.000244	1.4E-05	0.001765	9.11E-08	0.002023
4887	477363.09	3862377.25	0.13172	0.21542	0.14046	0.14968	2.40E-04	1.8E-05	0.00075	1.6E-07	0.001	2.94E-04	2.25E-05	0.000912	8.93E-08	1.23E-03	0.000259	1.73E-05	0.001965	9.23E-08	0.002242
4888	477863.09	3862377.25	0.1365	0.20786	0.14968	0.11523	2.49E-04	1.8E-05	0.0008	1.2E-07	0.00106	3.05E-04	2.17E-05	0.000972	6.88E-08	1.30E-03	0.000269	1.67E-05	0.002094	7.1E-08	0.002379
4889	478363.09	3862377.25	0.11479	0.18427	0.13332	0.08634	2.09E-04	1.6E-05	0.00071	9.2E-08	0.00093	2.56E-04	1.92E-05	0.000866	5.15E-08	1.14E-03	0.000226	1.48E-05	0.001865	5.32E-08	0.002106
4890	478863.09	3862377.25	0.11913	0.16129	0.13176	0.0938	2.17E-04	1.4E-05	0.0007	1E-07	0.00093	2.66E-04	1.68E-05	0.000856	5.6E-08	1.14E-03	0.000235	1.29E-05	0.001843	5.78E-08	0.002091
4891	479363.09	3862377.25	0.13401	0.18794	0.1523	0.11461	2.44E-04	1.6E-05	0.00081	1.2E-07	0.00107	2.99E-04	1.96E-05	0.000989	6.84E-08	1.31E-03	0.000264	1.51E-05	0.002131	7.07E-08	0.00241
4892	479863.09	3862377.25	0.1432	0.22747	0.15031	0.16947	2.61E-04	1.9E-05	0.0008	1.8E-07	0.00108	3.20E-04	2.37E-05	0.000976	1.01E-07	1.32E-03	0.000282	1.82E-05	0.002103	1.04E-07	0.002403
4893	480363.09	3862377.25	0.14826	0.22121	0.15694	0.18276	2.70E-04	1.9E-05	0.00083	1.9E-07	0.00112	3.31E-04	2.31E-05	0.001019	1.09E-07	1.37E-03	0.000292	1.77E-05	0.002195	1.13E-07	0.002505
4894	480863.09	3862377.25	0.15695	0.22153	0.17054	0.19132	2.86E-04	1.9E-05	0.00091	2E-07	0.00121	3.51E-04	2.31E-05	0.001108	1.14E-07	1.48E-03	0.000309	1.78E-05	0.002386	1.18E-07	0.002713
4895	481363.09	3862377.25	0.15821	0.21429	0.18323	0.21148	2.88E-04	1.8E-05	0.00097	2.3E-07	0.00128	3.53E-04	2.23E-05	0.00119	1.26E-07	1.57E-03	0.000312	1.72E-05	0.002563	1.3E-07	0.002892
4896	481863.09	3862377.25	0.1635	0.21329	0.18742	0.22854	2.98E-04	1.8E-05	0.001	2.4E-07	0.00131	3.65E-04	2.22E-05	0.001217	1.36E-07	1.60E-03	0.000322	1.71E-05	0.002622	1.41E-07	0.002961
4897	482363.09	3862377.25	0.16324	0.25041	0.18501	0.23865	2.98E-04	2.1E-05	0.00098	2.5E-07	0.0013	3.65E-04	2.61E-05	0.001202	1.42E-07	1.59E-03	0.000321	2.01E-05	0.002588	1.47E-07	0.00293
4898	482863.09	3862377.25	0.17007	0.24803	0.18886	0.23489	3.10E-04	2.1E-05	0.001	2.5E-07	0.00133	3.80E-04	2.59E-05	0.001227	1.4E-07	1.63E-03	0.000335	1.99E-05	0.002642	1.45E-07	0.002997
4899	483363.09	3862377.25	0.17426	0.26154	0.19428	0.23425	3.18E-04	2.2E-05	0.00103	2.5E-07	0.00137	3.89E-04	2.73E-05	0.001262	1.4E-07	1.68E-03	0.000343	2.1E-05	0.002718	1.44E-07	0.003082
4900	483863.09	3862377.25	0.17758	0.27435	0.19497	0.25352	3.24E-04	2.3E-05	0.00104	2.7E-07	0.00138	3.97E-04	2.86E-05	0.001266	1.51E-07	1.69E-03	0.00035	2.2E-05	0.002727	1.56E-07	0.003099
4901	484363.09	3862377.25	0.17427	0.27922	0.19085	0.25249	3.18E-04	2.4E-05	0.00101	2.7E-07	0.00136	3.89E-04	2.91E-05	0.00124	1.51E-07	1.66E-03	0.000343	2.24E-05	0.00267	1.56E-07	0.003036
4902	484863.09	3862377.25	0.16839	0.26976	0.1802	0.24314	3.07E-04	2.3E-05	0.00096	2.6E-07	0.00129	3.76E-04	2.81E-05	0.00117	1.45E-07	1.57E-03	0.000332	2.16E-05	0.002521	1.5E-07	0.002874
4903	485363.09	3862377.25	0.16745	0.2446	0.1831	0.25096	3.05E-04	2.1E-05	0.00097	2.7E-07	0.0013	3.74E-04	2.55E-05	0.001189	1.5E-07	1.59E-03	0.00033	1.96E-05	0.002561	1.55E-07	0.002911
4904	485863.09	3862377.25	0.17081	0.28301	0.18495	0.24643	3.11E-04	2.4E-05	0.00098	2.6E-07	0.00132	3.82E-04	2.95E-05	0.001201	1.47E-07	1.61E-03	0.000336	2.27E-05	0.002587	1.52E-07	0.002947
4905	486363.09	3862377.25	0.17038	0.27538	0.18068	0.24409	3.11E-04	2.3E-05	0.00096	2.6E-07	0.00129	3.81E-04	2.87E-05	0.001174	1.46E-07	1.58E-03	0.000336	2.21E-05	0.002528	1.5E-07	0.002885
4906	486863.09	3862377.25	0.17671	0.26015	0.18902	0.25023	3.22E-04	2.2E-05	0.001	2.7E-07	0.00135	3.95E-04	2.71E-05	0.001228	1.49E-07	1.65E-03	0.000348	2.09E-05	0.002644	1.54E-07	0.003013
4907	487363.09	3862377.25	0.17608	0.26058	0.19477	0.26111	3.21E-04	2.2E-05	0.00103	2.8E-07	0.00138	3.93E-04	2.72E-05	0.001265	1.56E-07	1.69E-03	0.000347	2.09E-05	0.002725	1.61E-07	0.003092
4908	487863.09	3862377.25	0.1774	0.24165	0.20287	0.26263	3.23E-04	2.1E-05	0.00108	2.8E-07	0.00142	3.96E-04	2.52E-05	0.001318	1.57E-07	1.74E-03	0.000349	1.94E-05	0.002838	1.62E-07	0.003207
4909	488363.09	3862377.25	0.18079	0.26234	0.21014	0.28176	3.30E-04	2.2E-05	0.00112	3E-07	0.00147	4.04E-04	2.74E-05	0.001365	1.68E-07	1.80E-03	0.000356	2.1E-05	0.00294	1.74E-07	0.003317
4910	488863.09	3862377.25	0.18065	0.28604	0.20202	0.279	3.29E-04	2.4E-05	0.00107	3E-07	0.00143	4.04E-04	2.98E-05	0.001312	1.67E-07	1.75E-03	0.000356	2.29E-05	0.002826	1.72E-07	0.003205
4911	489363.09	3862377.25	0.19597	0.25519	0.22707	0.29721	3.57E-04	2.2E-05	0.00121	3.2E-07	0.00159	4.38E-04	2.66E-05	0.001475	1.77E-07	1.94E-03	0.000386	2.05E-05	0.003176	1.83E-07	0.003583
4912	489863.09	3862377.25	0.206	0.26221	0.24308	0.33614	3.76E-04	2.2E-05	0.00129	3.6E-07	0.00169	4.60E-04	2.73E-05	0.001579	2.01E-07	2.07E-03	0.000406	2.1E-05	0.0034	2.07E-07	0.003827
4913	490363.09	3862377.25	0.22419	0.28638	0.23981	0.36525	4.09E-04	2.4E-05	0.00127	3.9E-07	0.00171	5.01E-04	2.99E-05	0.001558	2.18E-07	2.09E-03	0.000442	2.3E-05	0.003355	2.25E-07	0.003819
4914	490863.09	3862377.25	0.23436	0.27995	0.24292	0.35994	4.27E-04	2.4E-05	0.00129	3.8E-07	0.00174	5.23E-04	2.92E-05	0.001578	2.15E-07	2.13E-03	0.000462	2.25E-05	0.003398	2.22E-07	0.003882
4915	491363.09	3862377.25	0.22458	0.27867	0.22335	0.34295	4.09E-04	2.4E-05	0.00119	3.7E-07	0.00162	5.02E-04	2.91E-05	0.001451	2.05E-07	1.98E-03	0.000442	2.24E-05	0.003124	2.11E-07	0.003589
4916	491863.09	3862377.25	0.2314	0.28044	0.22796	0.32976	4.22E-04	2.4E-05	0.00121	3.5E-07	0.00166	5.17E-04	2.92E-05	0.001481	1.97E-07	2.03E-03	0.000456	2.25E-05	0.003189	2.03E-07	0.003667
4917	492363.09	3862377.25	0.23977	0.28982	0.24353	0.36526	4.37E-04	2.5E-05	0.00129	3.9E-07	0.00176	5.36E-04	3.02E-05	0.001582	2.18E-07	2.15E-03	0.000472	2.32E-05	0.003407	2.25E-07	0.003902
4918	492863.09	3862377.25	0.21899	0.27022	0.22676	0.34648	3.99E-04	2.3E-05	0.0012	3.7E-07	0.00163	4.89E-04	2.82E-05	0.001473	2.07E-07	1.99E-03	0.000431	2.17E-05	0.003172	2.14E-07	0.003625
4919	493363.09	3862377.25	0.19045	0.23461	0.19328	0.28638	3.47E-04	2E-05	0.00103	3.1E-07	0.00139	4.25E-04	2.45E-05	0.001255	1.71E-07	1.71E-03	0.000375	1.88E-05	0.002704	1.77E-07	0.003098
4920	493863.09	3862377.25	0.17494	0.21718	0.18946	0.267	3.19E-04	1.8E-05	0.00101	2.8E-07	0.00134	3.91E-04	2.26E-05	0.001231	1.59E-07	1.64E-03	0.000345	1.74E-05	0.00265	1.65E-07	0.003012
4921	494363.09	3862377.25	0.1787	0.2239	0.18268	0.26787	3.26E-04	1.9E-05	0.00097	2.9E-07	0.00132	3.99E-04	2.33E-05	0.001187	1.6E-07	1.61E-03	0.000352	1.8E-05	0.002556	1.65E-07	0.002926
4922	494863.09	3862377.25	0.1673	0.20872	0.17487	0.24614	3.05E-04	1.8E-05	0.00093	2.6E-07	0.00125	3.74E-04	2.18E-05	0.001136	1.47E-07	1.53E-03	0.000329	1.67E-05	0.002446	1.52E-07	0.002793
4923	495363.09	3862377.25	0.15844	0.20546	0.1618	0.24303	2.89E-04	1.7E-05	0.00086	2.6E-07	0.00117	3.54E-04	2.14E-05	0.001051	1.45E-07	1.43E-03	0.000312	1.65E-05	0.002263	1.5E-07	0.002592
4924	495863.09	3862377.25	0.15873	0.19844	0.15768	0.23442	2.89E-04	1.7E-05	0.00084	2.5E-07	0.00114	3.55E-04	2.07E-05	0.001024	1.4E-07	1.40E-03	0.000313	1.59E-05	0.002206	1.45E-07	0.002534
4925	496363.09	3862377.25	0.15726	0.20792	0.16564	0.25194	2.87E-04	1.8E-05	0.00088	2.7E-07	0.00118	3.51E-04	2.17E-05	0.001076	1.5E-07	1.45E-03	0.00031	1.67E-05	0.002317	1.55E-07	0.002644
4926	496863.09	3862377.25	0.15483	0.20326	0.17613	0.24483	2.82E-04	1.7E-05	0.00094	2.6E-07	0.00124	3.46E-04	2.12E-05	0.001144	1.46E-07	1.51E-03	0.000305	1.63E-05	0.002464	1.51E-07	0.002785
4927	497363.09	3862377.25	0.1455	0.18711	0.17526	0.23331	2.65E-04	1.6E-05	0.00093	2.5E-07	0.00121	3.25E-04	1.95E-05	0.001138	1.39E-07	1.48E-03	0.000287	1.5E-05	0.002452	1.44E-07	0.002753
4928	497863.09	3862377.25	0.14365	0.18617	0.16304	0.22289	2.62E-04	1.6E-05	0.00087	2.4E-07	0.00114	3.21E-04	1.94E-05	0.001059	1.33E-07	1.40E-03	0.000283	1.49E-05	0.002281	1.37E-07	0.002579
4929	498363.09	3862377.25	0.13073	0.17544	0.14912	0.20226	2.38E-04	1.5E-05	0.00079	2.2E-07	0.00105	2.92E-04	1.83E-05	0.000969	1.21E-07	1.28E-03	0.000257	1.41E-05	0.002086	1.25E-07	0.002358
4930	471363.09	3862877.25	0.07717	0.10105	0.08872	0.1081	1.41E-04	8.6E-06	0.00047	1.2E-07	0.00062	1.72E-04	1.05E-05	0.000576	6.45E-08	7.59E-04	0.000152	8.11E-06	0.001241	6.67E-08	0.001401
4931	471863.09	3862877.25	0.07859	0.10536	0.09071	0.10693	1.43E-04	9E-06	0.00048	1.1E-07	0.00063	1.76E-04	1.1E-05	0.000589	6.38E-08	7.76E-04	0.000155	8.45E-06	0.001269	6.59E-08	0.001432
4932	472363.09	3862877.25	0.08019	0.114	0.09239	0.10949	1.46E-04	9.7E-06	0.00049	1.2E-07	0.00065	1.79E-04	1.19E-05	0.0006	6.53E-08	7.91E-04	0.000158	9.14E-06	0.001292	6.75E-08	0.00146
4933	472863.09	3862877.25	0.08114	0.11554	0.09712	0.11067	1.48E-04	9.8E-06	0.00052	1.2E-07	0.00067	1.81E-04	1.2E-05	0.000631	6.61E-08	8.24E-04	0.00016	9.27E-06	0.001359	6.82E-08	0.001528
4934	473363.09	3862877.25	0.08453	0.12733	0.09924	0.11551	1.54E-04	1.1E-05	0.00053	1.2E-07	0.00069	1.89E-04	1.33E-05	0.000645	6.89E-08	8.47E-04	0.000166	1.02E-05	0.001388	7.12E-08	0.001565
4935	473863.09	3862877.25	0.08874	0.1247	0.09966	0.11837	1.62E-04	1.1E-05	0.00053	1.3E-07	0.0007	1.98E-04	1.3E-05	0.000647	7.06E-08	8.59E-04	0.000175	1E-05	0.001394	7.3E-08	0.001579
4936	474363.09	3862877.25	0.09226	0.12766	0.10181	0.12168	1.68E-04	1.1E-05	0.00054	1.3E-07	0.00072	2.06E-04	1.33E-05	0.000661	7.26E-08	8.81E-04	0.000182	1.02E-05	0.001424	7.5E-08	0.001616
4937	474863.09	3862877.25	0.0951	0.13313	0.10415	0.12537	1.73E-04	1.1E-05	0.00055	1.3E-07	0.00074	2.12E-04	1.39E-05	0.000676	7.48E-08	9.03E-04	0.000187	1.07E-05	0.001457	7.73E-08	0.001655

4938	475363.09	3862877.25	0.09953	0.14482	0.10571	0.13095	1.81E-04	1.2E-05	0.00056	1.4E-07	0.00076	2.22E-04	1.51E-05	0.000687	7.82E-08	9.24E-04	0.000196	1.16E-05	0.001479	8.07E-08	0.001686
4939	475863.09	3862877.25	0.10437	0.15001	0.11121	0.13442	1.90E-04	1.3E-05	0.00059	1.4E-07	0.00079	2.33E-04	1.56E-05	0.000722	8.02E-08	9.71E-04	0.000206	1.2E-05	0.001556	8.29E-08	0.001773
4940	476363.09	3862877.25	0.10836	0.16819	0.1152	0.13816	1.98E-04	1.4E-05	0.00061	1.5E-07	0.00082	2.42E-04	1.75E-05	0.000748	8.25E-08	1.01E-03	0.000213	1.35E-05	0.001612	8.52E-08	0.001839
4941	476863.09	3862877.25	0.11352	0.16567	0.12033	0.14703	2.07E-04	1.4E-05	0.00064	1.6E-07	0.00086	2.54E-04	1.73E-05	0.000782	8.78E-08	1.05E-03	0.000224	1.33E-05	0.001683	9.07E-08	0.00192
4942	477363.09	3862877.25	0.11677	0.15718	0.12462	0.1463	2.13E-04	1.3E-05	0.00066	1.6E-07	0.00089	2.61E-04	1.64E-05	0.000809	8.73E-08	1.09E-03	0.00023	1.26E-05	0.001743	9.02E-08	0.001986
4943	477863.09	3862877.25	0.12549	0.17459	0.13177	0.14473	2.29E-04	1.5E-05	0.0007	1.5E-07	0.00094	2.80E-04	1.82E-05	0.000856	8.64E-08	1.15E-03	0.000247	1.4E-05	0.001843	8.92E-08	0.002105
4944	478363.09	3862877.25	0.11639	0.1722	0.12918	0.11082	2.12E-04	1.5E-05	0.00069	1.2E-07	0.00091	2.60E-04	1.8E-05	0.000839	6.61E-08	1.12E-03	0.000229	1.38E-05	0.001807	6.83E-08	0.00205
4945	478863.09	3862877.25	0.12117	0.1717	0.13842	0.10862	2.21E-04	1.5E-05	0.00074	1.2E-07	0.00097	2.71E-04	1.79E-05	0.000899	6.48E-08	1.19E-03	0.000239	1.38E-05	0.001936	6.7E-08	0.002189
4946	479363.09	3862877.25	0.12697	0.20038	0.14167	0.11238	2.31E-04	1.7E-05	0.00075	1.2E-07	0.001	2.84E-04	2.09E-05	0.00092	6.71E-08	1.22E-03	0.00025	1.61E-05	0.001982	6.93E-08	0.002248
4947	479863.09	3862877.25	0.13029	0.18538	0.13871	0.15758	2.37E-04	1.6E-05	0.00074	1.7E-07	0.00099	2.91E-04	1.93E-05	0.000901	9.41E-08	1.21E-03	0.000257	1.49E-05	0.00194	9.72E-08	0.002212
4948	480363.09	3862877.25	0.13974	0.20554	0.15193	0.16802	2.55E-04	1.7E-05	0.00081	1.8E-07	0.00108	3.12E-04	2.14E-05	0.000987	1E-07	1.32E-03	0.000275	1.65E-05	0.002125	1.04E-07	0.002417
4949	480863.09	3862877.25	0.14136	0.19259	0.15848	0.18308	2.58E-04	1.6E-05	0.00084	2E-07	0.00112	3.16E-04	2.01E-05	0.001029	1.09E-07	1.37E-03	0.000278	1.54E-05	0.002217	1.13E-07	0.002511
4950	481363.09	3862877.25	0.14853	0.17861	0.16899	0.19653	2.71E-04	1.5E-05	0.0009	2.1E-07	0.00118	3.32E-04	1.86E-05	0.001098	1.17E-07	1.45E-03	0.000293	1.43E-05	0.002364	1.21E-07	0.002671
4951	481863.09	3862877.25	0.14582	0.21596	0.16837	0.21088	2.66E-04	1.8E-05	0.00089	2.2E-07	0.00118	3.26E-04	2.25E-05	0.001094	1.26E-07	1.44E-03	0.000287	1.73E-05	0.002355	1.3E-07	0.00266
4952	482363.09	3862877.25	0.14683	0.22036	0.16625	0.21339	2.68E-04	1.9E-05	0.00088	2.3E-07	0.00117	3.28E-04	2.3E-05	0.00108	1.27E-07	1.43E-03	0.000289	1.77E-05	0.002326	1.32E-07	0.002633
4953	482863.09	3862877.25	0.15364	0.22807	0.17003	0.21	2.80E-04	1.9E-05	0.0009	2.2E-07	0.0012	3.43E-04	2.38E-05	0.001104	1.25E-07	1.47E-03	0.000303	1.83E-05	0.002379	1.29E-07	0.0027
4954	483363.09	3862877.25	0.15827	0.23434	0.17279	0.21412	2.88E-04	2E-05	0.00092	2.3E-07	0.00123	3.54E-04	2.44E-05	0.001122	1.28E-07	1.50E-03	0.000312	1.88E-05	0.002417	1.32E-07	0.002748
4955	483863.09	3862877.25	0.16005	0.24641	0.17608	0.22852	2.92E-04	2.1E-05	0.00094	2.4E-07	0.00125	3.58E-04	2.57E-05	0.001144	1.36E-07	1.53E-03	0.000315	1.98E-05	0.002463	1.41E-07	0.002798
4956	484363.09	3862877.25	0.15539	0.26242	0.16456	0.21444	2.83E-04	2.2E-05	0.00087	2.3E-07	0.00118	3.47E-04	2.74E-05	0.001069	1.28E-07	1.44E-03	0.000306	2.11E-05	0.002302	1.32E-07	0.002629
4957	484863.09	3862877.25	0.14951	0.23376	0.16428	0.21743	2.73E-04	2E-05	0.00087	2.3E-07	0.00117	3.34E-04	2.44E-05	0.001067	1.3E-07	1.43E-03	0.000294	1.88E-05	0.002298	1.34E-07	0.002611
4958	485363.09	3862877.25	0.15208	0.22414	0.16809	0.22052	2.77E-04	1.9E-05	0.00089	2.4E-07	0.00119	3.40E-04	2.34E-05	0.001092	1.32E-07	1.46E-03	0.0003	1.8E-05	0.002351	1.36E-07	0.002669
4959	485863.09	3862877.25	0.15265	0.25774	0.16476	0.21877	2.78E-04	2.2E-05	0.00088	2.3E-07	0.00118	3.41E-04	2.69E-05	0.00107	1.31E-07	1.44E-03	0.000301	2.07E-05	0.002305	1.35E-07	0.002626
4960	486363.09	3862877.25	0.15283	0.23603	0.16653	0.22464	2.79E-04	2E-05	0.00088	2.4E-07	0.00118	3.41E-04	2.46E-05	0.001082	1.34E-07	1.45E-03	0.000301	1.89E-05	0.00233	1.39E-07	0.00265
4961	486863.09	3862877.25	0.15494	0.23388	0.16858	0.22543	2.82E-04	2E-05	0.0009	2.4E-07	0.0012	3.46E-04	2.44E-05	0.001095	1.35E-07	1.47E-03	0.000305	1.88E-05	0.002358	1.39E-07	0.002682
4962	487363.09	3862877.25	0.15962	0.23388	0.18004	0.23502	2.91E-04	2E-05	0.00096	2.5E-07	0.00127	3.57E-04	2.44E-05	0.001169	1.4E-07	1.55E-03	0.000314	1.88E-05	0.002519	1.45E-07	0.002852
4963	487863.09	3862877.25	0.16046	0.21301	0.18294	0.24106	2.92E-04	1.8E-05	0.00097	2.6E-07	0.00128	3.58E-04	2.22E-05	0.001188	1.44E-07	1.57E-03	0.000316	1.71E-05	0.002559	1.49E-07	0.002892
4964	488363.09	3862877.25	0.1661	0.23475	0.19242	0.24532	3.03E-04	2E-05	0.00102	2.6E-07	0.00135	3.71E-04	2.45E-05	0.00125	1.46E-07	1.65E-03	0.000327	1.88E-05	0.002692	1.51E-07	0.003038
4965	488863.09	3862877.25	0.16257	0.25477	0.18828	0.25131	2.96E-04	2.2E-05	0.001	2.7E-07	0.00132	3.63E-04	2.66E-05	0.001223	1.5E-07	1.61E-03	0.00032	2.04E-05	0.002634	1.55E-07	0.002975
4966	489363.09	3862877.25	0.16623	0.2418	0.1977	0.25451	3.03E-04	2.1E-05	0.00105	2.7E-07	0.00137	3.71E-04	2.52E-05	0.001284	1.52E-07	1.68E-03	0.000327	1.94E-05	0.002766	1.57E-07	0.003113
4967	489863.09	3862877.25	0.18931	0.22537	0.20264	0.29243	3.45E-04	1.9E-05	0.00108	3.1E-07	0.00144	4.23E-04	2.35E-05	0.001316	1.75E-07	1.76E-03	0.000373	1.81E-05	0.002835	1.8E-07	0.003226
4968	490363.09	3862877.25	0.20329	0.22939	0.22092	0.30268	3.71E-04	2E-05	0.00117	3.2E-07	0.00156	4.54E-04	2.39E-05	0.001435	1.81E-07	1.91E-03	0.0004	1.84E-05	0.00309	1.87E-07	0.003509
4969	490863.09	3862877.25	0.20192	0.26241	0.21437	0.32002	3.68E-04	2.2E-05	0.00114	3.4E-07	0.00153	4.51E-04	2.74E-05	0.001392	1.91E-07	1.87E-03	0.000398	2.1E-05	0.002999	1.97E-07	0.003418
4970	491363.09	3862877.25	0.20744	0.25866	0.22547	0.31423	3.78E-04	2.2E-05	0.0012	3.4E-07	0.0016	4.63E-04	2.7E-05	0.001464	1.88E-07	1.96E-03	0.000409	2.07E-05	0.003154	1.94E-07	0.003584
4971	491863.09	3862877.25	0.19737	0.24073	0.19571	0.30832	3.60E-04	2E-05	0.00104	3.3E-07	0.00142	4.41E-04	2.51E-05	0.001271	1.84E-07	1.74E-03	0.000389	1.93E-05	0.002738	1.9E-07	0.003146
4972	492363.09	3862877.25	0.20543	0.2528	0.20071	0.299	3.74E-04	2.2E-05	0.00107	3.2E-07	0.00146	4.59E-04	2.64E-05	0.001304	1.78E-07	1.79E-03	0.000405	2.03E-05	0.002808	1.84E-07	0.003233
4973	492863.09	3862877.25	0.21402	0.25989	0.21784	0.32133	3.90E-04	2.2E-05	0.00116	3.4E-07	0.00157	4.78E-04	2.71E-05	0.001415	1.92E-07	1.92E-03	0.000422	2.08E-05	0.003047	1.98E-07	0.00349
4974	493363.09	3862877.25	0.19384	0.25033	0.20805	0.31334	3.53E-04	2.1E-05	0.00111	3.3E-07	0.00148	4.33E-04	2.61E-05	0.001351	1.87E-07	1.81E-03	0.000382	2.01E-05	0.00291	1.93E-07	0.003312
4975	493863.09	3862877.25	0.17453	0.21791	0.17892	0.26841	3.18E-04	1.9E-05	0.00095	2.9E-07	0.00129	3.90E-04	2.27E-05	0.001162	1.6E-07	1.57E-03	0.000344	1.75E-05	0.002503	1.65E-07	0.002864
4976	494363.09	3862877.25	0.16205	0.2004	0.16755	0.24449	2.95E-04	1.7E-05	0.00089	2.6E-07	0.0012	3.62E-04	2.09E-05	0.001088	1.46E-07	1.47E-03	0.000319	1.61E-05	0.002344	1.51E-07	0.002679
4977	494863.09	3862877.25	0.15717	0.20098	0.1555	0.23492	2.86E-04	1.7E-05	0.00083	2.5E-07	0.00113	3.51E-04	2.1E-05	0.00101	1.4E-07	1.38E-03	0.00031	1.61E-05	0.002175	1.45E-07	0.002501
4978	495363.09	3862877.25	0.15173	0.20236	0.15746	0.24215	2.77E-04	1.7E-05	0.00084	2.6E-07	0.00113	3.39E-04	2.11E-05	0.001023	1.45E-07	1.38E-03	0.000299	1.62E-05	0.002203	1.49E-07	0.002518
4979	495863.09	3862877.25	0.14168	0.19029	0.15108	0.22063	2.58E-04	1.6E-05	0.0008	2.4E-07	0.00108	3.16E-04	1.98E-05	0.000981	1.32E-07	1.32E-03	0.000279	1.53E-05	0.002113	1.36E-07	0.002408
4980	496363.09	3862877.25	0.13862	0.1777	0.14627	0.21234	2.53E-04	1.5E-05	0.00078	2.3E-07	0.00105	3.10E-04	1.85E-05	0.00095	1.27E-07	1.28E-03	0.000273	1.43E-05	0.002046	1.31E-07	0.002334
4981	496863.09	3862877.25	0.14206	0.17824	0.14281	0.20935	2.59E-04	1.5E-05	0.00076	2.2E-07	0.00103	3.17E-04	1.86E-05	0.000928	1.25E-07	1.26E-03	0.00028	1.43E-05	0.001998	1.29E-07	0.002292
4982	497363.09	3862877.25	0.13746	0.18404	0.14965	0.22859	2.51E-04	1.6E-05	0.0008	2.4E-07	0.00106	3.07E-04	1.92E-05	0.000972	1.36E-07	1.30E-03	0.000271	1.48E-05	0.002093	1.41E-07	0.002379
4983	497863.09	3862877.25	0.13543	0.17825	0.15572	0.21448	2.47E-04	1.5E-05	0.00083	2.3E-07	0.00109	3.03E-04	1.86E-05	0.001011	1.28E-07	1.33E-03	0.000267	1.43E-05	0.002178	1.32E-07	0.00246
4984	498363.09	3862877.25	0.12757	0.16642	0.1553	0.20613	2.33E-04	1.4E-05	0.00083	2.2E-07	0.00107	2.85E-04	1.74E-05	0.001009	1.23E-07	1.31E-03	0.000251	1.33E-05	0.002172	1.27E-07	0.002437
4985	471363.09	3863377.25	0.07235	0.10329	0.08399	0.10202	1.32E-04	8.8E-06	0.00045	1.1E-07	0.00059	1.62E-04	1.08E-05	0.000546	6.09E-08	7.18E-04	0.000142	8.29E-06	0.001175	6.29E-08	0.001326
4986	471863.09	3863377.25	0.07336	0.10444	0.08716	0.10209	1.34E-04	8.9E-06	0.00046	1.1E-07	0.00061	1.64E-04	1.09E-05	0.000566	6.09E-08	7.41E-04	0.000144	8.38E-06	0.001219	6.29E-08	0.001372
4987	472363.09	3863377.25	0.07588	0.11257	0.08879	0.10396	1.38E-04	9.6E-06	0.00047	1.1E-07	0.00062	1.69E-04	1.17E-05	0.000577	6.2E-08	7.58E-04	0.000149	9.03E-06	0.001242	6.41E-08	0.001401
4988	472863.09	3863377.25	0.08	0.11425	0.08966	0.10856	1.46E-04	9.7E-06	0.00048	1.2E-07	0.00063	1.79E-04	1.19E-05	0.000582	6.48E-08	7.73E-04	0.000158	9.16E-06	0.001254	6.69E-08	0.001421
4989	473363.09	3863377.25	0.0837	0.11342	0.09102	0.1116	1.53E-04	9.7E-06	0.00048	1.2E-07	0.00065	1.87E-04	1.18E-05	0.000591	6.66E-08	7.90E-04	0.000165	9.1E-06	0.001273	6.88E-08	0.001447
4990	473863.09	3863377.25	0.08608	0.11615	0.09208	0.1139	1.57E-04	9.9E-06	0.00049	1.2E-07	0.00066	1.92E-04	1.21E-05	0.000598	6.8E-08	8.03E-04	0.00017	9.32E-06	0.001288	7.02E-08	0.001467
4991	474363.09	3863377.25	0.08794	0.13638	0.0935	0.11958	1.60E-04	1.2E-05	0.0005	1.3E-07	0.00067	1.96E-04	1.42E-05	0.000607	7.14E-08	8.18E-04	0.000173	1.09E-05	0.001308	7.37E-08	0.001492
4992	474863.09	3863377.25	0.09033	0.13343	0.09597	0.12417	1.65E-04	1.1E-05	0.00051	1.3E-07	0.00069	2.02E-04	1.39E-05	0.000623	7.41E-08	8.39E-04	0.000178	1.07E-05	0.001343	7.66E-08	0.001531
4993	475363.09	3863377.25	0.09462	0.14187	0.10095	0.12686	1.72E-04	1.2E-05	0.00054	1.4E-07	0.00072	2.11E-04	1.48E-05	0.000656	7.57E-08	8.82E-04	0.000186	1.14E-05	0.001412	7.82E-08	0.00161
4994	475863.09	3863377.25	0.09893	0.14865	0.10364	0.1295	1.80E-04	1.3E-05	0.00055	1.4E-07	0.00074	2.21E-04	1.55E-05	0.000673	7.73E-08	9.10E-04	0.000195	1.19E-05	0.00145	7.98E-08	0.001657
4995	476363.09	3863377.25	0.1031	0.14517	0.10715	0.13543	1.88E-04	1.2E-05	0.00057	1.4E-07	0.00077	2.30E-04	1.51E-05	0.000696	8.08E-08	9.41E-04	0.000203	1.16E-05	0.001499	8.35E-08	0.001714
4996	476863.09	3863377.25	0.10227	0.13749	0.10955	0.1425	1.86E-04	1.2E-05	0.00058	1.5E-07	0.00078	2.28E-04	1.43E-05	0.000712	8.51E-08	9.54E-04	0.000201	1.1E-05	0.001532	8.79E-08	0.001745
4997	477363.09	3863377.25	0.10263	0.13866	0.1067	0.1456	1.87E-04	1.2E-05	0.00057	1.6E-07	0.00077	2.29E-04	1.45E-05	0.000693	8.69E-08	9.37E-04	0.000202	1.11E-05	0.001493	8.98E-08	0.001706
4998	477863.09	3863377.25	0.10634	0.14878	0.11214	0.14238	1.94E-04	1.3E-05	0.0006	1.5E-07	0.0008	2.38E-04	1.55E-05	0.000728	8.5E-08	9.82E-04	0.000209	1.19E-05	0.001569	8.78E-08	0.00179

4999	478363.09	3863377.25	0.11216	0.1696	0.12916	0.12569	2.04E-04	1.4E-05	0.00069	1.3E-07	0.00091	2.51E-04	1.77E-05	0.000839	7.5E-08	1.11E-03	0.000221	1.36E-05	0.001807	7.75E-08	0.002041
5000	478863.09	3863377.25	0.11594	0.18347	0.12692	0.13097	2.11E-04	1.6E-05	0.00067	1.4E-07	0.0009	2.59E-04	1.91E-05	0.000824	7.82E-08	1.10E-03	0.000228	1.47E-05	0.001775	8.08E-08	0.002019
5001	479363.09	3863377.25	0.11698	0.17153	0.12199	0.14245	2.13E-04	1.5E-05	0.00065	1.5E-07	0.00088	2.61E-04	1.79E-05	0.000792	8.5E-08	1.07E-03	0.00023	1.38E-05	0.001707	8.78E-08	0.001951
5002	479863.09	3863377.25	0.12314	0.17758	0.13538	0.14932	2.24E-04	1.5E-05	0.00072	1.6E-07	0.00096	2.75E-04	1.85E-05	0.000879	8.91E-08	1.17E-03	0.000243	1.42E-05	0.001894	9.21E-08	0.002151
5003	480363.09	3863377.25	0.12447	0.17061	0.13698	0.16111	2.27E-04	1.5E-05	0.00073	1.7E-07	0.00097	2.78E-04	1.78E-05	0.00089	9.62E-08	1.19E-03	0.000245	1.37E-05	0.001916	9.93E-08	0.002175
5004	480863.09	3863377.25	0.13418	0.16823	0.15384	0.17756	2.45E-04	1.4E-05	0.00082	1.9E-07	0.00108	3.00E-04	1.75E-05	0.000999	1.06E-07	1.32E-03	0.000264	1.35E-05	0.002152	1.09E-07	0.00243
5005	481363.09	3863377.25	0.13104	0.18152	0.15143	0.18542	2.39E-04	1.5E-05	0.0008	2E-07	0.00106	2.93E-04	1.89E-05	0.000984	1.11E-07	1.30E-03	0.000258	1.46E-05	0.002118	1.14E-07	0.002391
5006	481863.09	3863377.25	0.12848	0.18588	0.1511	0.19668	2.34E-04	1.6E-05	0.0008	2.1E-07	0.00105	2.87E-04	1.94E-05	0.000981	1.17E-07	1.29E-03	0.000253	1.49E-05	0.002114	1.21E-07	0.002382
5007	482363.09	3863377.25	0.13713	0.20107	0.15107	0.18836	2.50E-04	1.7E-05	0.0008	2E-07	0.00107	3.06E-04	2.1E-05	0.000981	1.12E-07	1.31E-03	0.00027	1.61E-05	0.002113	1.16E-07	0.0024
5008	482863.09	3863377.25	0.14055	0.19745	0.15347	0.19337	2.56E-04	1.7E-05	0.00082	2.1E-07	0.00109	3.14E-04	2.06E-05	0.000997	1.15E-07	1.33E-03	0.000277	1.58E-05	0.002147	1.19E-07	0.00244
5009	483363.09	3863377.25	0.14392	0.22601	0.15814	0.20208	2.62E-04	1.9E-05	0.00084	2.2E-07	0.00112	3.21E-04	2.36E-05	0.001027	1.21E-07	1.37E-03	0.000283	1.81E-05	0.002212	1.25E-07	0.002514
5010	483863.09	3863377.25	0.14171	0.22344	0.15766	0.19112	2.58E-04	1.9E-05	0.00084	2E-07	0.00112	3.17E-04	2.33E-05	0.001024	1.14E-07	1.36E-03	0.000279	1.79E-05	0.002206	1.18E-07	0.002503
5011	484363.09	3863377.25	0.13942	0.221	0.14908	0.19354	2.54E-04	1.9E-05	0.00079	2.1E-07	0.00107	3.11E-04	2.3E-05	0.000968	1.16E-07	1.30E-03	0.000275	1.77E-05	0.002085	1.19E-07	0.002378
5012	484863.09	3863377.25	0.13609	0.19613	0.14934	0.19871	2.48E-04	1.7E-05	0.00079	2.1E-07	0.00106	3.04E-04	2.05E-05	0.00097	1.19E-07	1.29E-03	0.000268	1.57E-05	0.002089	1.23E-07	0.002373
5013	485363.09	3863377.25	0.13686	0.20947	0.15483	0.19875	2.49E-04	1.8E-05	0.00082	2.1E-07	0.00109	3.06E-04	2.18E-05	0.001006	1.19E-07	1.33E-03	0.00027	1.68E-05	0.002166	1.23E-07	0.002452
5014	485863.09	3863377.25	0.13678	0.23328	0.14842	0.19674	2.49E-04	2E-05	0.00079	2.1E-07	0.00106	3.06E-04	2.43E-05	0.000964	1.17E-07	1.29E-03	0.000269	1.87E-05	0.002076	1.21E-07	0.002364
5015	486363.09	3863377.25	0.13686	0.21468	0.15225	0.20607	2.49E-04	1.8E-05	0.00081	2.2E-07	0.00108	3.06E-04	2.24E-05	0.000989	1.23E-07	1.32E-03	0.00027	1.72E-05	0.00213	1.27E-07	0.002417
5016	486863.09	3863377.25	0.13814	0.21082	0.1534	0.20259	2.52E-04	1.8E-05	0.00082	2.2E-07	0.00109	3.09E-04	2.2E-05	0.000996	1.21E-07	1.33E-03	0.000272	1.69E-05	0.002146	1.25E-07	0.002435
5017	487363.09	3863377.25	0.14438	0.20701	0.1652	0.20797	2.63E-04	1.8E-05	0.00088	2.2E-07	0.00116	3.23E-04	2.16E-05	0.001073	1.24E-07	1.42E-03	0.000284	1.66E-05	0.002311	1.28E-07	0.002612
5018	487863.09	3863377.25	0.13952	0.20104	0.16673	0.22352	2.54E-04	1.7E-05	0.00089	2.4E-07	0.00116	3.12E-04	2.1E-05	0.001083	1.33E-07	1.42E-03	0.000275	1.61E-05	0.002332	1.38E-07	0.002623
5019	488363.09	3863377.25	0.14847	0.20196	0.17425	0.22155	2.71E-04	1.7E-05	0.00093	2.4E-07	0.00121	3.32E-04	2.11E-05	0.001132	1.32E-07	1.48E-03	0.000292	1.62E-05	0.002438	1.37E-07	0.002746
5020	488863.09	3863377.25	0.14921	0.23203	0.17744	0.23707	2.72E-04	2E-05	0.00094	2.5E-07	0.00123	3.33E-04	2.42E-05	0.001153	1.41E-07	1.51E-03	0.000294	1.86E-05	0.002482	1.46E-07	0.002795
5021	489363.09	3863377.25	0.1504	0.21786	0.16642	0.2287	2.74E-04	1.9E-05	0.00088	2.4E-07	0.00118	3.36E-04	2.27E-05	0.001081	1.36E-07	1.44E-03	0.000296	1.75E-05	0.002328	1.41E-07	0.002642
5022	489863.09	3863377.25	0.15718	0.20489	0.18455	0.24626	2.87E-04	1.7E-05	0.00098	2.6E-07	0.00128	3.51E-04	2.14E-05	0.001199	1.47E-07	1.57E-03	0.00031	1.64E-05	0.002582	1.52E-07	0.002908
5023	490363.09	3863377.25	0.16346	0.20813	0.19716	0.26546	2.98E-04	1.8E-05	0.00105	2.8E-07	0.00136	3.65E-04	2.17E-05	0.001281	1.58E-07	1.67E-03	0.000322	1.67E-05	0.002758	1.64E-07	0.003097
5024	490863.09	3863377.25	0.18346	0.21936	0.20167	0.29958	3.34E-04	1.9E-05	0.00107	3.2E-07	0.00142	4.10E-04	2.29E-05	0.00131	1.79E-07	1.74E-03	0.000361	1.76E-05	0.002821	1.85E-07	0.0032
5025	491363.09	3863377.25	0.18113	0.22456	0.19823	0.28294	3.30E-04	1.9E-05	0.00105	3E-07	0.0014	4.05E-04	2.34E-05	0.001288	1.69E-07	1.72E-03	0.000357	1.8E-05	0.002773	1.74E-07	0.003148
5026	491863.09	3863377.25	0.18843	0.22149	0.20415	0.28549	3.43E-04	1.9E-05	0.00108	3E-07	0.00145	4.21E-04	2.31E-05	0.001326	1.7E-07	1.77E-03	0.000371	1.78E-05	0.002856	1.76E-07	0.003245
5027	492363.09	3863377.25	0.18182	0.22333	0.1756	0.27228	3.31E-04	1.9E-05	0.00093	2.9E-07	0.00128	4.06E-04	2.33E-05	0.001141	1.63E-07	1.57E-03	0.000358	1.79E-05	0.002456	1.68E-07	0.002833
5028	492863.09	3863377.25	0.18982	0.24042	0.18714	0.27137	3.46E-04	2E-05	0.00099	2.9E-07	0.00136	4.24E-04	2.51E-05	0.001216	1.62E-07	1.66E-03	0.000374	1.93E-05	0.002618	1.67E-07	0.003011
5029	493363.09	3863377.25	0.20117	0.2507	0.20789	0.29655	3.67E-04	2.1E-05	0.0011	3.2E-07	0.00149	4.49E-04	2.61E-05	0.00135	1.77E-07	1.83E-03	0.000396	2.01E-05	0.002908	1.83E-07	0.003325
5030	493863.09	3863377.25	0.18726	0.24556	0.20268	0.29144	3.41E-04	2.1E-05	0.00108	3.1E-07	0.00144	4.18E-04	2.56E-05	0.001316	1.74E-07	1.76E-03	0.000369	1.97E-05	0.002835	1.8E-07	0.003224
5031	494363.09	3863377.25	0.16454	0.2101	0.17249	0.25173	3.00E-04	1.8E-05	0.00092	2.7E-07	0.00123	3.68E-04	2.19E-05	0.00112	1.5E-07	1.51E-03	0.000324	1.69E-05	0.002413	1.55E-07	0.002754
5032	494863.09	3863377.25	0.15398	0.19262	0.1572	0.21848	2.81E-04	1.6E-05	0.00084	2.3E-07	0.00113	3.44E-04	2.01E-05	0.001021	1.3E-07	1.39E-03	0.000303	1.55E-05	0.002199	1.35E-07	0.002518
5033	495363.09	3863377.25	0.14336	0.18114	0.14682	0.20371	2.61E-04	1.5E-05	0.00078	2.2E-07	0.00106	3.20E-04	1.89E-05	0.000954	1.22E-07	1.29E-03	0.000282	1.45E-05	0.002054	1.26E-07	0.002351
5034	495863.09	3863377.25	0.14938	0.19712	0.15987	0.22462	2.72E-04	1.7E-05	0.00085	2.4E-07	0.00114	3.34E-04	2.06E-05	0.001038	1.34E-07	1.39E-03	0.000294	1.58E-05	0.002236	1.38E-07	0.002547
5035	496363.09	3863377.25	0.13226	0.16715	0.14015	0.19596	2.41E-04	1.4E-05	0.00074	2.1E-07	0.001	2.95E-04	1.74E-05	0.00091	1.17E-07	1.22E-03	0.00026	1.34E-05	0.001961	1.21E-07	0.002235
5036	496863.09	3863377.25	0.12298	0.16141	0.12875	0.19629	2.24E-04	1.4E-05	0.00068	2.1E-07	0.00092	2.75E-04	1.68E-05	0.000836	1.17E-07	1.13E-03	0.000242	1.29E-05	0.001801	1.21E-07	0.002056
5037	497363.09	3863377.25	0.12139	0.15834	0.12866	0.18825	2.21E-04	1.3E-05	0.00068	2E-07	0.00092	2.71E-04	1.65E-05	0.000836	1.12E-07	1.12E-03	0.000239	1.27E-05	0.0018	1.16E-07	0.002052
5038	497863.09	3863377.25	0.12675	0.16087	0.13056	0.18837	2.31E-04	1.4E-05	0.00069	2E-07	0.00094	2.83E-04	1.68E-05	0.000848	1.12E-07	1.15E-03	0.00025	1.29E-05	0.001826	1.16E-07	0.002089
5039	498363.09	3863377.25	0.12383	0.16741	0.13501	0.20661	2.26E-04	1.4E-05	0.00072	2.2E-07	0.00096	2.77E-04	1.75E-05	0.000877	1.23E-07	1.17E-03	0.000244	1.34E-05	0.001889	1.27E-07	0.002146
5040	471363.09	3863877.25	0.0689	0.09663	0.07942	0.09795	1.26E-04	8.2E-06	0.00042	1E-07	0.00056	1.54E-04	1.01E-05	0.000516	5.85E-08	6.80E-04	0.000136	7.75E-06	0.001111	6.04E-08	0.001255
5041	471863.09	3863877.25	0.07318	0.10177	0.08165	0.09825	1.33E-04	8.7E-06	0.00043	1E-07	0.00058	1.63E-04	1.06E-05	0.00053	5.86E-08	7.04E-04	0.000144	8.16E-06	0.001142	6.06E-08	0.001295
5042	472363.09	3863877.25	0.07653	0.10123	0.08158	0.10239	1.40E-04	8.6E-06	0.00043	1.1E-07	0.00058	1.71E-04	1.06E-05	0.00053	6.11E-08	7.11E-04	0.000151	8.12E-06	0.001141	6.31E-08	0.0013
5043	472863.09	3863877.25	0.07754	0.10719	0.08451	0.10437	1.41E-04	9.1E-06	0.00045	1.1E-07	0.0006	1.73E-04	1.12E-05	0.000549	6.23E-08	7.33E-04	0.000153	8.6E-06	0.001182	6.44E-08	0.001344
5044	473363.09	3863877.25	0.07827	0.11965	0.08367	0.1088	1.43E-04	1E-05	0.00044	1.2E-07	0.0006	1.75E-04	1.25E-05	0.000543	6.49E-08	7.31E-04	0.000154	9.6E-06	0.00117	6.71E-08	0.001334
5045	473863.09	3863877.25	0.08011	0.12822	0.08381	0.1105	1.46E-04	1.1E-05	0.00045	1.2E-07	0.0006	1.79E-04	1.34E-05	0.000544	6.6E-08	7.37E-04	0.000158	1.03E-05	0.001172	6.81E-08	0.001341
5046	474363.09	3863877.25	0.08275	0.12662	0.08814	0.11525	1.51E-04	1.1E-05	0.00047	1.2E-07	0.00063	1.85E-04	1.32E-05	0.000572	6.88E-08	7.71E-04	0.000163	1.02E-05	0.001233	7.11E-08	0.001406
5047	474863.09	3863877.25	0.08574	0.12302	0.093	0.11716	1.56E-04	1E-05	0.00049	1.2E-07	0.00066	1.92E-04	1.28E-05	0.000604	6.99E-08	8.08E-04	0.000169	9.87E-06	0.001301	7.22E-08	0.00148
5048	475363.09	3863877.25	0.09189	0.12725	0.09371	0.12158	1.67E-04	1.1E-05	0.0005	1.3E-07	0.00068	2.05E-04	1.33E-05	0.000609	7.26E-08	8.27E-04	0.000181	1.02E-05	0.001311	7.5E-08	0.001502
5049	475863.09	3863877.25	0.09388	0.12699	0.09535	0.1241	1.71E-04	1.1E-05	0.00051	1.3E-07	0.00069	2.10E-04	1.32E-05	0.000619	7.41E-08	8.42E-04	0.000185	1.02E-05	0.001334	7.65E-08	0.001529
5050	476363.09	3863877.25	0.09226	0.11965	0.09581	0.13236	1.68E-04	1E-05	0.00051	1.4E-07	0.00069	2.06E-04	1.25E-05	0.000622	7.9E-08	8.41E-04	0.000182	9.6E-06	0.00134	8.16E-08	0.001532
5051	476863.09	3863877.25	0.09125	0.1281	0.09636	0.13331	1.66E-04	1.1E-05	0.00051	1.4E-07	0.00069	2.04E-04	1.34E-05	0.000626	7.96E-08	8.43E-04	0.00018	1.03E-05	0.001348	8.22E-08	0.001538
5052	477363.09	3863877.25	0.09257	0.13648	0.1012	0.1345	1.69E-04	1.2E-05	0.00054	1.4E-07	0.00072	2.07E-04	1.42E-05	0.000657	8.03E-08	8.78E-04	0.000182	1.09E-05	0.001416	8.29E-08	0.001609
5053	477863.09	3863877.25	0.0954	0.14304	0.1058	0.13253	1.74E-04	1.2E-05	0.00056	1.4E-07	0.00075	2.13E-04	1.49E-05	0.000687	7.91E-08	9.15E-04	0.000188	1.15E-05	0.00148	8.17E-08	0.001679
5054	478363.09	3863877.25	0.10309	0.15077	0.10988	0.12538	1.88E-04	1.3E-05	0.00058	1.3E-07	0.00078	2.30E-04	1.57E-05	0.000714	7.48E-08	9.60E-04	0.000203	1.21E-05	0.001537	7.73E-08	0.001752
5055	478863.09	3863877.25	0.10471	0.15542	0.11031	0.13138	1.91E-04	1.3E-05	0.00059	1.4E-07	0.00079	2.34E-04	1.62E-05	0.000716	7.84E-08	9.67E-04	0.000206	1.25E-05	0.001543	8.1E-08	0.001762
5056	479363.09	3863877.25	0.10919	0.16097	0.11646	0.13769	1.99E-04	1.4E-05	0.00062	1.5E-07	0.00083	2.44E-04	1.68E-05	0.000756	8.22E-08	1.02E-03	0.000215	1.29E-05	0.001629	8.49E-08	0.001857
5057	479863.09	3863877.25	0.1135	0.16175	0.12082	0.14532	2.07E-04	1.4E-05	0.00064	1.6E-07	0.00086	2.54E-04	1.69E-05	0.000785	8.67E-08	1.06E-03	0.000224	1.3E-05	0.00169	8.96E-08	0.001927
5058	480363.09	3863877.25	0.11898	0.14592	0.13248	0.15614	2.17E-04	1.2E-05	0.0007	1.7E-07	0.00093	2.66E-04	1.52E-05	0.00086	9.32E-08	1.14E-03	0.000234	1.17E-05	0.001853	9.63E-08	0.002099
5059	480863.09	3863877.25	0.12073	0.17087	0.13986	0.16051	2.20E-04	1.5E-05	0.00074	1.7E-07	0.00098	2.70E-04	1.78E-05	0.000908	9.58E-08	1.20E-03	0.000238	1.37E-05	0.001957	9.9E-08	0.002208

5060	481363.09	3863877.25	0.11871	0.16896	0.13798	0.17624	2.16E-04	1.4E-05	0.00073	1.9E-07	0.00096	2.65E-04	1.76E-05	0.000896	1.05E-07	1.18E-03	0.000234	1.36E-05	0.00193	1.09E-07	0.002178
5061	481863.09	3863877.25	0.11934	0.17957	0.1339	0.17625	2.18E-04	1.5E-05	0.00071	1.9E-07	0.00094	2.67E-04	1.87E-05	0.00087	1.05E-07	1.16E-03	0.000235	1.44E-05	0.001873	1.09E-07	0.002123
5062	482363.09	3863877.25	0.12402	0.1701	0.13425	0.17228	2.26E-04	1.4E-05	0.00071	1.8E-07	0.00095	2.77E-04	1.77E-05	0.000872	1.03E-07	1.17E-03	0.000244	1.36E-05	0.001878	1.06E-07	0.002136
5063	482863.09	3863877.25	0.12937	0.19318	0.13663	0.1801	2.36E-04	1.6E-05	0.00073	1.9E-07	0.00098	2.89E-04	2.01E-05	0.000887	1.07E-07	1.20E-03	0.000255	1.55E-05	0.001911	1.11E-07	0.002182
5064	483363.09	3863877.25	0.13015	0.1944	0.14476	0.17813	2.37E-04	1.7E-05	0.00077	1.9E-07	0.00102	2.91E-04	2.03E-05	0.00094	1.06E-07	1.25E-03	0.000256	1.56E-05	0.002025	1.1E-07	0.002297
5065	483863.09	3863877.25	0.12962	0.20959	0.13879	0.17295	2.36E-04	1.8E-05	0.00074	1.8E-07	0.00099	2.90E-04	2.19E-05	0.000901	1.03E-07	1.21E-03	0.000255	1.68E-05	0.001942	1.07E-07	0.002214
5066	484363.09	3863877.25	0.12584	0.19215	0.13387	0.17681	2.29E-04	1.6E-05	0.00071	1.9E-07	0.00096	2.81E-04	2E-05	0.00087	1.06E-07	1.17E-03	0.000248	1.54E-05	0.001873	1.09E-07	0.002136
5067	484863.09	3863877.25	0.12436	0.17563	0.13538	0.18096	2.27E-04	1.5E-05	0.00072	1.9E-07	0.00096	2.78E-04	1.83E-05	0.000879	1.08E-07	1.18E-03	0.000245	1.41E-05	0.001894	1.12E-07	0.002153
5068	485363.09	3863877.25	0.12614	0.19175	0.13981	0.1808	2.30E-04	1.6E-05	0.00074	1.9E-07	0.00099	2.82E-04	2E-05	0.000908	1.08E-07	1.21E-03	0.000248	1.54E-05	0.001956	1.11E-07	0.00222
5069	485863.09	3863877.25	0.1252	0.19488	0.13762	0.17835	2.28E-04	1.7E-05	0.00073	1.9E-07	0.00098	2.80E-04	2.03E-05	0.000894	1.06E-07	1.19E-03	0.000247	1.56E-05	0.001925	1.1E-07	0.002187
5070	486363.09	3863877.25	0.12431	0.19049	0.13902	0.18553	2.27E-04	1.6E-05	0.00074	2E-07	0.00098	2.78E-04	1.99E-05	0.000903	1.11E-07	1.20E-03	0.000245	1.53E-05	0.001945	1.14E-07	0.002205
5071	486863.09	3863877.25	0.12616	0.19143	0.13768	0.18211	2.30E-04	1.6E-05	0.00073	1.9E-07	0.00098	2.82E-04	2E-05	0.000894	1.09E-07	1.20E-03	0.000248	1.54E-05	0.001926	1.12E-07	0.00219
5072	487363.09	3863877.25	0.13049	0.19065	0.14801	0.19032	2.38E-04	1.6E-05	0.00079	2E-07	0.00104	2.91E-04	1.99E-05	0.000961	1.14E-07	1.27E-03	0.000257	1.53E-05	0.002071	1.17E-07	0.002343
5073	487863.09	3863877.25	0.12918	0.17344	0.15583	0.20076	2.35E-04	1.5E-05	0.00083	2.1E-07	0.00108	2.89E-04	1.81E-05	0.001012	1.2E-07	1.32E-03	0.000254	1.39E-05	0.00218	1.24E-07	0.002448
5074	488363.09	3863877.25	0.13603	0.16603	0.1591	0.20387	2.48E-04	1.4E-05	0.00085	2.2E-07	0.00111	3.04E-04	1.73E-05	0.001033	1.22E-07	1.35E-03	0.000268	1.33E-05	0.002226	1.26E-07	0.002507
5075	488863.09	3863877.25	0.13825	0.19787	0.1627	0.2165	2.52E-04	1.7E-05	0.00086	2.3E-07	0.00113	3.09E-04	2.06E-05	0.001057	1.29E-07	1.39E-03	0.000272	1.59E-05	0.002276	1.33E-07	0.002564
5076	489363.09	3863877.25	0.13823	0.19257	0.15754	0.21577	2.52E-04	1.6E-05	0.00084	2.3E-07	0.00111	3.09E-04	2.01E-05	0.001023	1.29E-07	1.35E-03	0.000272	1.54E-05	0.002204	1.33E-07	0.002492
5077	489863.09	3863877.25	0.1399	0.18881	0.16344	0.21543	2.55E-04	1.6E-05	0.00087	2.3E-07	0.00114	3.12E-04	1.97E-05	0.001062	1.29E-07	1.39E-03	0.000276	1.51E-05	0.002286	1.33E-07	0.002577
5078	490363.09	3863877.25	0.15587	0.18917	0.16811	0.23292	2.84E-04	1.6E-05	0.00089	2.5E-07	0.00119	3.48E-04	1.97E-05	0.001092	1.39E-07	1.46E-03	0.000307	1.52E-05	0.002352	1.44E-07	0.002674
5079	490863.09	3863877.25	0.16208	0.18897	0.18249	0.24684	2.95E-04	1.6E-05	0.00097	2.6E-07	0.00128	3.62E-04	1.97E-05	0.001185	1.47E-07	1.57E-03	0.000319	1.52E-05	0.002553	1.52E-07	0.002887
5080	491363.09	3863877.25	0.16842	0.21969	0.16847	0.27246	3.07E-04	1.9E-05	0.0009	2.9E-07	0.00122	3.76E-04	2.29E-05	0.001094	1.63E-07	1.49E-03	0.000332	1.76E-05	0.002357	1.68E-07	0.002706
5081	491863.09	3863877.25	0.17235	0.21528	0.18422	0.27176	3.14E-04	1.8E-05	0.00098	2.9E-07	0.00131	3.85E-04	2.24E-05	0.001197	1.62E-07	1.60E-03	0.000339	1.73E-05	0.002577	1.68E-07	0.002934
5082	492363.09	3863877.25	0.18578	0.22568	0.19598	0.27719	3.39E-04	1.9E-05	0.00104	3E-07	0.0014	4.15E-04	2.35E-05	0.001273	1.65E-07	1.71E-03	0.000366	1.81E-05	0.002742	1.71E-07	0.003126
5083	492863.09	3863877.25	0.17887	0.21576	0.16866	0.23784	3.26E-04	1.8E-05	0.0009	2.5E-07	0.00124	4.00E-04	2.25E-05	0.001095	1.42E-07	1.52E-03	0.000352	1.73E-05	0.002359	1.47E-07	0.002729
5084	493363.09	3863877.25	0.17756	0.22673	0.17448	0.24761	3.24E-04	1.9E-05	0.00093	2.6E-07	0.00127	3.97E-04	2.36E-05	0.001133	1.48E-07	1.55E-03	0.00035	1.82E-05	0.002441	1.53E-07	0.002809
5085	493863.09	3863877.25	0.19235	0.23198	0.18754	0.3128	3.51E-04	2E-05	0.001	3.3E-07	0.00137	4.30E-04	2.42E-05	0.001218	1.87E-07	1.67E-03	0.000379	1.86E-05	0.002623	1.93E-07	0.003021
5086	494363.09	3863877.25	0.18087	0.23027	0.18604	0.28506	3.30E-04	2E-05	0.00099	3E-07	0.00134	4.04E-04	2.4E-05	0.001208	1.7E-07	1.64E-03	0.000356	1.85E-05	0.002603	1.76E-07	0.002977
5087	494863.09	3863877.25	0.1573	0.19867	0.16542	0.24606	2.87E-04	1.7E-05	0.00088	2.6E-07	0.00118	3.51E-04	2.07E-05	0.001074	1.47E-07	1.45E-03	0.00031	1.59E-05	0.002314	1.52E-07	0.00264
5088	495363.09	3863877.25	0.14119	0.17455	0.14261	0.20048	2.57E-04	1.5E-05	0.00076	2.1E-07	0.00103	3.15E-04	1.82E-05	0.000926	1.2E-07	1.26E-03	0.000278	1.4E-05	0.001995	1.24E-07	0.002287
5089	495863.09	3863877.25	0.13334	0.16775	0.14443	0.19208	2.43E-04	1.4E-05	0.00077	2E-07	0.00102	2.98E-04	1.75E-05	0.000938	1.15E-07	1.25E-03	0.000263	1.35E-05	0.00202	1.18E-07	0.002297
5090	496363.09	3863877.25	0.1344	0.1699	0.12799	0.19436	2.45E-04	1.4E-05	0.00068	2.1E-07	0.00094	3.00E-04	1.77E-05	0.000831	1.16E-07	1.15E-03	0.000265	1.36E-05	0.00179	1.2E-07	0.002069
5091	496863.09	3863877.25	0.12577	0.16878	0.12997	0.1957	2.29E-04	1.4E-05	0.00069	2.1E-07	0.00093	2.81E-04	1.76E-05	0.000844	1.17E-07	1.14E-03	0.000248	1.35E-05	0.001818	1.21E-07	0.00208
5092	497363.09	3863877.25	0.117	0.1551	0.12346	0.17847	2.13E-04	1.3E-05	0.00066	1.9E-07	0.00088	2.61E-04	1.62E-05	0.000802	1.07E-07	1.08E-03	0.00023	1.24E-05	0.001727	1.1E-07	0.00197
5093	497863.09	3863877.25	0.11166	0.14663	0.11824	0.17163	2.04E-04	1.2E-05	0.00063	1.8E-07	0.00084	2.49E-04	1.53E-05	0.000768	1.02E-07	1.03E-03	0.00022	1.18E-05	0.001654	1.06E-07	0.001886
5094	498363.09	3863877.25	0.11397	0.14327	0.1098	0.16578	2.08E-04	1.2E-05	0.00058	1.8E-07	0.0008	2.55E-04	1.49E-05	0.000713	9.89E-08	9.83E-04	0.000224	1.15E-05	0.001536	1.02E-07	0.001772
5095	471363.09	3864377.25	0.06916	0.09412	0.07409	0.0938	1.26E-04	8E-06	0.00039	1E-07	0.00053	1.54E-04	9.81E-06	0.000481	5.6E-08	6.46E-04	0.000136	7.55E-06	0.001036	5.78E-08	0.00118
5096	471863.09	3864377.25	0.07007	0.09329	0.07423	0.09542	1.28E-04	7.9E-06	0.00039	1E-07	0.00053	1.57E-04	9.73E-06	0.000482	5.7E-08	6.48E-04	0.000138	7.48E-06	0.001038	5.88E-08	0.001184
5097	472363.09	3864377.25	0.06951	0.1075	0.07434	0.09829	1.27E-04	9.1E-06	0.00039	1E-07	0.00053	1.55E-04	1.12E-05	0.000483	5.87E-08	6.49E-04	0.000137	8.62E-06	0.00104	6.06E-08	0.001186
5098	472863.09	3864377.25	0.07126	0.11761	0.07601	0.09861	1.30E-04	1E-05	0.0004	1.1E-07	0.00054	1.59E-04	1.23E-05	0.000494	5.89E-08	6.65E-04	0.00014	9.43E-06	0.001063	6.08E-08	0.001213
5099	473363.09	3864377.25	0.07262	0.11576	0.0793	0.1054	1.32E-04	9.9E-06	0.00042	1.1E-07	0.00056	1.62E-04	1.21E-05	0.000515	6.29E-08	6.89E-04	0.000143	9.29E-06	0.001109	6.5E-08	0.001262
5100	473863.09	3864377.25	0.07588	0.11439	0.08213	0.10813	1.38E-04	9.7E-06	0.00044	1.2E-07	0.00058	1.69E-04	1.19E-05	0.000533	6.45E-08	7.15E-04	0.000149	9.18E-06	0.001149	6.67E-08	0.001308
5101	474363.09	3864377.25	0.07962	0.11433	0.08451	0.10975	1.45E-04	9.7E-06	0.00045	1.2E-07	0.0006	1.78E-04	1.19E-05	0.000549	6.55E-08	7.39E-04	0.000157	9.17E-06	0.001182	6.77E-08	0.001348
5102	474863.09	3864377.25	0.08482	0.11328	0.08511	0.1107	1.55E-04	9.6E-06	0.00045	1.2E-07	0.00062	1.89E-04	1.18E-05	0.000553	6.61E-08	7.54E-04	0.000167	9.09E-06	0.001191	6.83E-08	0.001367
5103	475363.09	3864377.25	0.08561	0.10942	0.08743	0.11801	1.56E-04	9.3E-06	0.00046	1.3E-07	0.00063	1.91E-04	1.14E-05	0.000568	7.04E-08	7.71E-04	0.000169	8.78E-06	0.001223	7.28E-08	0.001401
5104	475863.09	3864377.25	0.08398	0.11046	0.08414	0.1191	1.53E-04	9.4E-06	0.00045	1.3E-07	0.00061	1.88E-04	1.15E-05	0.000547	7.11E-08	7.46E-04	0.000165	8.86E-06	0.001177	7.34E-08	0.001351
5105	476363.09	3864377.25	0.08324	0.11949	0.08837	0.12409	1.52E-04	1E-05	0.00047	1.3E-07	0.00063	1.86E-04	1.25E-05	0.000574	7.41E-08	7.72E-04	0.000164	9.59E-06	0.001236	7.65E-08	0.00141
5106	476863.09	3864377.25	0.08471	0.12624	0.093	0.12231	1.54E-04	1.1E-05	0.00049	1.3E-07	0.00066	1.89E-04	1.32E-05	0.000604	7.3E-08	8.07E-04	0.000167	1.01E-05	0.001301	7.54E-08	0.001478
5107	477363.09	3864377.25	0.08656	0.12868	0.09562	0.12182	1.58E-04	1.1E-05	0.00051	1.3E-07	0.00068	1.93E-04	1.34E-05	0.000621	7.27E-08	8.28E-04	0.00017	1.03E-05	0.001338	7.51E-08	0.001519
5108	477863.09	3864377.25	0.08913	0.12232	0.09409	0.1214	1.62E-04	1E-05	0.0005	1.3E-07	0.00067	1.99E-04	1.28E-05	0.000611	7.25E-08	8.23E-04	0.000176	9.81E-06	0.001316	7.49E-08	0.001502
5109	478363.09	3864377.25	0.09264	0.1387	0.09915	0.12226	1.69E-04	1.2E-05	0.00053	1.3E-07	0.00071	2.07E-04	1.45E-05	0.000644	7.3E-08	8.65E-04	0.000182	1.11E-05	0.001387	7.54E-08	0.001581
5110	478863.09	3864377.25	0.09691	0.14676	0.10303	0.12466	1.77E-04	1.2E-05	0.00055	1.3E-07	0.00074	2.16E-04	1.53E-05	0.000669	7.44E-08	9.01E-04	0.000191	1.18E-05	0.001441	7.69E-08	0.001644
5111	479363.09	3864377.25	0.10213	0.14637	0.10935	0.13273	1.86E-04	1.2E-05	0.00058	1.4E-07	0.00078	2.28E-04	1.53E-05	0.00071	7.92E-08	9.54E-04	0.000201	1.17E-05	0.00153	8.18E-08	0.001743
5112	479863.09	3864377.25	0.10632	0.13354	0.11416	0.13735	1.94E-04	1.1E-05	0.00061	1.5E-07	0.00081	2.37E-04	1.39E-05	0.000742	8.2E-08	9.93E-04	0.000209	1.07E-05	0.001597	8.47E-08	0.001817
5113	480363.09	3864377.25	0.1116	0.15834	0.13005	0.14428	2.03E-04	1.3E-05	0.00069	1.5E-07	0.00091	2.49E-04	1.65E-05	0.000845	8.61E-08	1.11E-03	0.00022	1.27E-05	0.001819	8.9E-08	0.002052
5114	480863.09	3864377.25	0.10919	0.15254	0.12731	0.15856	1.99E-04	1.3E-05	0.00068	1.7E-07	0.00089	2.44E-04	1.59E-05	0.000827	9.46E-08	1.09E-03	0.000215	1.22E-05	0.001781	9.78E-08	0.002008
5115	481363.09	3864377.25	0.1079	0.15125	0.12554	0.16241	1.97E-04	1.3E-05	0.00067	1.7E-07	0.00088	2.41E-04	1.58E-05	0.000815	9.69E-08	1.07E-03	0.000213	1.21E-05	0.001756	1E-07	0.001981
5116	481863.09	3864377.25	0.11207	0.1629	0.12083	0.16145	2.04E-04	1.4E-05	0.00064	1.7E-07	0.00086	2.50E-04	1.7E-05	0.000785	9.64E-08	1.05E-03	0.000221	1.31E-05	0.00169	9.95E-08	0.001924
5117	482363.09	3864377.25	0.11517	0.16127	0.12318	0.16125	2.10E-04	1.4E-05	0.00065	1.7E-07	0.00088	2.57E-04	1.68E-05	0.0008	9.62E-08	1.07E-03	0.000227	1.29E-05	0.001723	9.94E-08	0.001963
5118	482863.09	3864377.25	0.11815	0.17452	0.12127	0.16309	2.15E-04	1.5E-05	0.00064	1.7E-07	0.00087	2.64E-04	1.82E-05	0.000788	9.73E-08	1.07E-03	0.000233	1.4E-05	0.001696	1.01E-07	0.001943
5119	483363.09	3864377.25	0.11842	0.18394	0.131	0.15901	2.16E-04	1.6E-05	0.0007	1.7E-07	0.00093	2.65E-04	1.92E-05	0.000851	9.49E-08	1.13E-03	0.000233	1.48E-05	0.001833	9.8E-08	0.002081
5120	483863.09	3864377.25	0.1172	0.18125	0.12216	0.1606	2.14E-04	1.5E-05	0.00065	1.7E-07	0.00088	2.62E-04	1.89E-05	0.000793	9.59E-08	1.07E-03	0.000231	1.45E-05	0.001709	9.9E-08	0.001954

5121	484363.09	3864377.25	0.11471	0.16376	0.12378	0.16592	2.09E-04	1.4E-05	0.00066	1.8E-07	0.00088	2.56E-04	1.71E-05	0.000804	9.9E-08	1.08E-03	0.000226	1.31E-05	0.001732	1.02E-07	0.001971
5122	484863.09	3864377.25	0.11266	0.16128	0.12561	0.16373	2.05E-04	1.4E-05	0.00067	1.7E-07	0.00089	2.52E-04	1.68E-05	0.000816	9.77E-08	1.08E-03	0.000222	1.29E-05	0.001757	1.01E-07	0.001992
5123	485363.09	3864377.25	0.11435	0.18796	0.12476	0.16549	2.08E-04	1.6E-05	0.00066	1.8E-07	0.00089	2.55E-04	1.96E-05	0.00081	9.88E-08	1.09E-03	0.000225	1.51E-05	0.001745	1.02E-07	0.001986
5124	485863.09	3864377.25	0.11418	0.17923	0.12657	0.16297	2.08E-04	1.5E-05	0.00067	1.7E-07	0.0009	2.55E-04	1.87E-05	0.000822	9.73E-08	1.10E-03	0.000225	1.44E-05	0.001771	1E-07	0.00201
5125	486363.09	3864377.25	0.11429	0.1649	0.12844	0.16964	2.08E-04	1.4E-05	0.00068	1.8E-07	0.0009	2.55E-04	1.72E-05	0.000834	1.01E-07	1.11E-03	0.000225	1.32E-05	0.001797	1.05E-07	0.002035
5126	486863.09	3864377.25	0.1165	0.17569	0.1275	0.16667	2.12E-04	1.5E-05	0.00068	1.8E-07	0.0009	2.60E-04	1.83E-05	0.000828	9.95E-08	1.11E-03	0.000229	1.41E-05	0.001784	1.03E-07	0.002027
5127	487363.09	3864377.25	0.11676	0.17735	0.13639	0.17463	2.13E-04	1.5E-05	0.00072	1.9E-07	0.00095	2.61E-04	1.85E-05	0.000886	1.04E-07	1.17E-03	0.00023	1.42E-05	0.001908	1.08E-07	0.002152
5128	487863.09	3864377.25	0.12149	0.15144	0.14436	0.18403	2.21E-04	1.3E-05	0.00077	2E-07	0.001	2.71E-04	1.58E-05	0.000938	1.1E-07	1.22E-03	0.000239	1.21E-05	0.002019	1.13E-07	0.002271
5129	488363.09	3864377.25	0.12146	0.15569	0.14567	0.18745	2.21E-04	1.3E-05	0.00077	2E-07	0.00101	2.71E-04	1.62E-05	0.000946	1.12E-07	1.23E-03	0.000239	1.25E-05	0.002038	1.16E-07	0.00229
5130	488863.09	3864377.25	0.12773	0.17644	0.14831	0.19184	2.33E-04	1.5E-05	0.00079	2E-07	0.00104	2.85E-04	1.84E-05	0.000963	1.14E-07	1.27E-03	0.000252	1.42E-05	0.002075	1.18E-07	0.002341
5131	489363.09	3864377.25	0.12742	0.17979	0.15192	0.19813	2.32E-04	1.5E-05	0.00081	2.1E-07	0.00105	2.85E-04	1.87E-05	0.000987	1.18E-07	1.29E-03	0.000251	1.44E-05	0.002125	1.22E-07	0.002391
5132	489863.09	3864377.25	0.12746	0.17705	0.14344	0.20222	2.32E-04	1.5E-05	0.00076	2.2E-07	0.00101	2.85E-04	1.85E-05	0.000932	1.21E-07	1.23E-03	0.000251	1.42E-05	0.002007	1.25E-07	0.002272
5133	490363.09	3864377.25	0.13494	0.17129	0.15261	0.2057	2.46E-04	1.5E-05	0.00081	2.2E-07	0.00107	3.01E-04	1.79E-05	0.000991	1.23E-07	1.31E-03	0.000266	1.37E-05	0.002135	1.27E-07	0.002414
5134	490863.09	3864377.25	0.13442	0.17239	0.15571	0.21832	2.45E-04	1.5E-05	0.00083	2.3E-07	0.00109	3.00E-04	1.8E-05	0.001011	1.3E-07	1.33E-03	0.000265	1.38E-05	0.002178	1.35E-07	0.002457
5135	491363.09	3864377.25	0.16469	0.18706	0.17652	0.24074	3.00E-04	1.6E-05	0.00094	2.6E-07	0.00125	3.68E-04	1.95E-05	0.001147	1.44E-07	1.53E-03	0.000324	1.5E-05	0.002469	1.48E-07	0.002809
5136	491863.09	3864377.25	0.14094	0.16112	0.15674	0.1025	2.57E-04	1.4E-05	0.00083	1.1E-07	0.0011	3.15E-04	1.68E-05	0.001018	6.12E-08	1.35E-03	0.000278	1.29E-05	0.002193	6.32E-08	0.002483
5137	492363.09	3864377.25	0.19155	0.20776	0.21033	0.22807	3.49E-04	1.8E-05	0.00112	2.4E-07	0.00148	4.28E-04	2.17E-05	0.001366	1.36E-07	1.82E-03	0.000377	1.67E-05	0.002942	1.41E-07	0.003336
5138	492863.09	3864377.25	0.1742	0.19302	0.19709	0.14704	3.18E-04	1.6E-05	0.00105	1.6E-07	0.00138	3.89E-04	2.01E-05	0.00128	8.78E-08	1.69E-03	0.000343	1.55E-05	0.002757	9.07E-08	0.003116
5139	493363.09	3864377.25	0.18372	0.20635	0.18333	0.18638	3.35E-04	1.8E-05	0.00097	2E-07	0.00133	4.10E-04	2.15E-05	0.001191	1.11E-07	1.62E-03	0.000362	1.66E-05	0.002565	1.15E-07	0.002943
5140	493863.09	3864377.25	0.17374	0.20099	0.16992	0.20678	3.17E-04	1.7E-05	0.0009	2.2E-07	0.00124	3.88E-04	2.1E-05	0.001104	1.23E-07	1.51E-03	0.000342	1.61E-05	0.002377	1.27E-07	0.002735
5141	494363.09	3864377.25	0.17824	0.21108	0.17005	0.28246	3.25E-04	1.8E-05	0.0009	3E-07	0.00125	3.98E-04	2.2E-05	0.001105	1.69E-07	1.52E-03	0.000351	1.69E-05	0.002379	1.74E-07	0.002747
5142	494863.09	3864377.25	0.1704	0.21198	0.16739	0.24661	3.11E-04	1.8E-05	0.00089	2.6E-07	0.00122	3.81E-04	2.21E-05	0.001087	1.47E-07	1.49E-03	0.000336	1.7E-05	0.002342	1.52E-07	0.002694
5143	495363.09	3864377.25	0.14614	0.18337	0.15286	0.23526	2.66E-04	1.6E-05	0.00081	2.5E-07	0.00109	3.26E-04	1.91E-05	0.000993	1.4E-07	1.34E-03	0.000288	1.47E-05	0.002138	1.45E-07	0.002441
5144	495863.09	3864377.25	0.12784	0.16318	0.12946	0.1906	2.33E-04	1.4E-05	0.00069	2E-07	0.00093	2.86E-04	1.7E-05	0.000841	1.14E-07	1.14E-03	0.000252	1.31E-05	0.001811	1.18E-07	0.002076
5145	496363.09	3864377.25	0.1223	0.15694	0.12835	0.18197	2.23E-04	1.3E-05	0.00068	1.9E-07	0.00092	2.73E-04	1.64E-05	0.000834	1.09E-07	1.12E-03	0.000241	1.26E-05	0.001795	1.12E-07	0.002049
5146	496863.09	3864377.25	0.11714	0.15244	0.1202	0.16776	2.14E-04	1.3E-05	0.00064	1.8E-07	0.00087	2.62E-04	1.59E-05	0.000781	1E-07	1.06E-03	0.000231	1.22E-05	0.001681	1.03E-07	0.001925
5147	497363.09	3864377.25	0.11434	0.15896	0.12268	0.18471	2.08E-04	1.4E-05	0.00065	2E-07	0.00087	2.55E-04	1.66E-05	0.000797	1.1E-07	1.07E-03	0.000225	1.28E-05	0.001716	1.14E-07	0.001954
5148	497863.09	3864377.25	0.11102	0.14065	0.11603	0.16295	2.02E-04	1.2E-05	0.00062	1.7E-07	0.00083	2.48E-04	1.47E-05	0.000754	9.73E-08	1.02E-03	0.000219	1.13E-05	0.001623	1E-07	0.001853
5149	498363.09	3864377.25	0.10144	0.13922	0.10799	0.16601	1.85E-04	1.2E-05	0.00057	1.8E-07	0.00077	2.27E-04	1.45E-05	0.000701	9.91E-08	9.43E-04	0.0002	1.12E-05	0.001511	1.02E-07	0.001722
5150	471363.09	3864877.25	0.06316	0.09642	0.06899	0.08975	1.15E-04	8.2E-06	0.00037	9.6E-08	0.00049	1.41E-04	1.01E-05	0.000448	5.36E-08	5.99E-04	0.000124	7.73E-06	0.000965	5.53E-08	0.001097
5151	471863.09	3864877.25	0.06362	0.10609	0.06972	0.08967	1.16E-04	9E-06	0.00037	9.6E-08	0.0005	1.42E-04	1.11E-05	0.000453	5.35E-08	6.06E-04	0.000125	8.51E-06	0.000975	5.53E-08	0.001109
5152	472363.09	3864877.25	0.06557	0.10801	0.07083	0.09516	1.20E-04	9.2E-06	0.00038	1E-07	0.00051	1.46E-04	1.13E-05	0.00046	5.68E-08	6.18E-04	0.000129	8.66E-06	0.000991	5.87E-08	0.001129
5153	472863.09	3864877.25	0.06833	0.1028	0.07309	0.10051	1.25E-04	8.7E-06	0.00039	1.1E-07	0.00052	1.53E-04	1.07E-05	0.000475	6E-08	6.38E-04	0.000135	8.25E-06	0.001022	6.2E-08	0.001165
5154	473363.09	3864877.25	0.06951	0.10271	0.07473	0.10035	1.27E-04	8.7E-06	0.0004	1.1E-07	0.00053	1.55E-04	1.07E-05	0.000485	5.99E-08	6.51E-04	0.000137	8.24E-06	0.001045	6.19E-08	0.001191
5155	473863.09	3864877.25	0.07276	0.10131	0.07785	0.10221	1.33E-04	8.6E-06	0.00041	1.1E-07	0.00055	1.63E-04	1.06E-05	0.000506	6.1E-08	6.79E-04	0.000143	8.13E-06	0.001089	6.3E-08	0.001241
5156	474363.09	3864877.25	0.07691	0.09935	0.07808	0.10441	1.40E-04	8.5E-06	0.00041	1.1E-07	0.00056	1.72E-04	1.04E-05	0.000507	6.23E-08	6.89E-04	0.000151	7.97E-06	0.001092	6.44E-08	0.001252
5157	474863.09	3864877.25	0.07791	0.09628	0.07898	0.10637	1.42E-04	8.2E-06	0.00042	1.1E-07	0.00057	1.74E-04	1E-05	0.000513	6.35E-08	6.97E-04	0.000153	7.72E-06	0.001105	6.56E-08	0.001266
5158	475363.09	3864877.25	0.07665	0.10537	0.07642	0.10867	1.40E-04	9E-06	0.00041	1.2E-07	0.00055	1.71E-04	1.1E-05	0.000496	6.49E-08	6.79E-04	0.000151	8.45E-06	0.001069	6.7E-08	0.001229
5159	475863.09	3864877.25	0.07567	0.11053	0.08002	0.11234	1.38E-04	9.4E-06	0.00043	1.2E-07	0.00057	1.69E-04	1.15E-05	0.00052	6.7E-08	7.00E-04	0.000149	8.87E-06	0.001119	6.93E-08	0.001277
5160	476363.09	3864877.25	0.07704	0.11721	0.08483	0.11493	1.40E-04	1E-05	0.00045	1.2E-07	0.0006	1.72E-04	1.22E-05	0.000551	6.86E-08	7.35E-04	0.000152	9.4E-06	0.001187	7.09E-08	0.001348
5161	476863.09	3864877.25	0.07954	0.11874	0.08732	0.11239	1.45E-04	1E-05	0.00046	1.2E-07	0.00062	1.78E-04	1.24E-05	0.000567	6.71E-08	7.57E-04	0.000157	9.53E-06	0.001222	6.93E-08	0.001388
5162	477363.09	3864877.25	0.08135	0.11342	0.08663	0.11071	1.48E-04	9.7E-06	0.00046	1.2E-07	0.00062	1.82E-04	1.18E-05	0.000563	6.61E-08	7.56E-04	0.00016	9.1E-06	0.001212	6.83E-08	0.001381
5163	477863.09	3864877.25	0.08389	0.12435	0.08969	0.11458	1.53E-04	1.1E-05	0.00048	1.2E-07	0.00064	1.87E-04	1.3E-05	0.000583	6.84E-08	7.83E-04	0.000165	9.98E-06	0.001255	7.06E-08	0.00143
5164	478363.09	3864877.25	0.08907	0.13576	0.09309	0.11798	1.62E-04	1.2E-05	0.00049	1.3E-07	0.00067	1.99E-04	1.42E-05	0.000605	7.04E-08	8.18E-04	0.000175	1.09E-05	0.001302	7.27E-08	0.001489
5165	478863.09	3864877.25	0.09323	0.12811	0.09905	0.12085	1.70E-04	1.1E-05	0.00053	1.3E-07	0.00071	2.08E-04	1.34E-05	0.000643	7.21E-08	8.65E-04	0.000184	1.03E-05	0.001386	7.45E-08	0.00158
5166	479363.09	3864877.25	0.09617	0.12119	0.10191	0.12367	1.75E-04	1E-05	0.00054	1.3E-07	0.00073	2.15E-04	1.26E-05	0.000662	7.38E-08	8.89E-04	0.000189	9.72E-06	0.001426	7.63E-08	0.001625
5167	479863.09	3864877.25	0.1016	0.14002	0.11117	0.13132	1.85E-04	1.2E-05	0.00059	1.4E-07	0.00079	2.27E-04	1.46E-05	0.000722	7.84E-08	9.64E-04	0.0002	1.12E-05	0.001555	8.1E-08	0.001767
5168	480363.09	3864877.25	0.10133	0.14342	0.11815	0.13376	1.85E-04	1.2E-05	0.00063	1.4E-07	0.00082	2.26E-04	1.5E-05	0.000767	7.98E-08	1.01E-03	0.0002	1.15E-05	0.001653	8.25E-08	0.001864
5169	480863.09	3864877.25	0.10028	0.13772	0.11561	0.14637	1.83E-04	1.2E-05	0.00061	1.6E-07	0.00081	2.24E-04	1.44E-05	0.000751	8.74E-08	9.89E-04	0.000197	1.1E-05	0.001617	9.02E-08	0.001826
5170	481363.09	3864877.25	0.0991	0.13886	0.11063	0.14877	1.81E-04	1.2E-05	0.00059	1.6E-07	0.00078	2.21E-04	1.45E-05	0.000719	8.88E-08	9.55E-04	0.000195	1.11E-05	0.001548	9.17E-08	0.001754
5171	481863.09	3864877.25	0.10244	0.14682	0.10926	0.14821	1.87E-04	1.2E-05	0.00058	1.6E-07	0.00078	2.29E-04	1.53E-05	0.00071	8.85E-08	9.54E-04	0.000202	1.18E-05	0.001528	9.14E-08	0.001742
5172	482363.09	3864877.25	0.10559	0.16299	0.11146	0.14575	1.92E-04	1.4E-05	0.00059	1.6E-07	0.0008	2.36E-04	1.7E-05	0.000724	8.7E-08	9.77E-04	0.000208	1.31E-05	0.001559	8.99E-08	0.00178
5173	482863.09	3864877.25	0.10882	0.16145	0.11461	0.14185	1.98E-04	1.4E-05	0.00061	1.5E-07	0.00082	2.43E-04	1.68E-05	0.000744	8.47E-08	1.00E-03	0.000214	1.3E-05	0.001603	8.75E-08	0.001831
5174	483363.09	3864877.25	0.10922	0.16712	0.1177	0.14162	1.99E-04	1.4E-05	0.00063	1.5E-07	0.00084	2.44E-04	1.74E-05	0.000764	8.45E-08	1.03E-03	0.000215	1.34E-05	0.001647	8.73E-08	0.001875
5175	483863.09	3864877.25	0.10605	0.15768	0.11287	0.15096	1.93E-04	1.3E-05	0.0006	1.6E-07	0.00081	2.37E-04	1.64E-05	0.000733	9.01E-08	9.87E-04	0.000209	1.26E-05	0.001579	9.31E-08	0.001801
5176	484363.09	3864877.25	0.10384	0.15005	0.11503	0.15123	1.89E-04	1.3E-05	0.00061	1.6E-07	0.00081	2.32E-04	1.56E-05	0.000747	9.03E-08	9.95E-04	0.000205	1.2E-05	0.001609	9.32E-08	0.001826
5177	484863.09	3864877.25	0.10377	0.15478	0.11634	0.14853	1.89E-04	1.3E-05	0.00062	1.6E-07	0.00082	2.32E-04	1.61E-05	0.000756	8.86E-08	1.00E-03	0.000204	1.24E-05	0.001627	9.16E-08	0.001844
5178	485363.09	3864877.25	0.10462	0.17716	0.11361	0.15304	1.91E-04	1.5E-05	0.0006	1.6E-07	0.00081	2.34E-04	1.85E-05	0.000738	9.13E-08	9.90E-04	0.000206	1.42E-05	0.001589	9.44E-08	0.00181
5179	485863.09	3864877.25	0.1043	0.16453	0.11616	0.15254	1.90E-04	1.4E-05	0.00062	1.6E-07	0.00082	2.33E-04	1.72E-05	0.000754	9.1E-08	1.00E-03	0.000205	1.32E-05	0.001625	9.41E-08	0.001844
5180	486363.09	3864877.25	0.10462	0.14191	0.11913	0.15639	1.91E-04	1.2E-05	0.00063	1.7E-07	0.00084	2.34E-04	1.48E-05	0.000774	9.33E-08	1.02E-03	0.000206	1.14E-05	0.001667	9.64E-08	0.001884
5181	486863.09	3864877.25	0.10588	0.15567	0.118	0.15556	1.93E-04	1.3E-05	0.00063	1.7E-07	0.00083	2.37E-04	1.62E-05	0.000766	9.28E-08	1.02E-03	0.000209	1.25E-05	0.001651	9.59E-08	0.001872

5182	487363.09	3864877.25	0.10844	0.15776	0.12467	0.16055	1.98E-04	1.3E-05	0.00066	1.7E-07	0.00087	2.42E-04	1.65E-05	0.00081	9.58E-08	1.07E-03	0.000214	1.27E-05	0.001744	9.9E-08	0.00197
5183	487863.09	3864877.25	0.11189	0.14016	0.13302	0.17061	2.04E-04	1.2E-05	0.00071	1.8E-07	0.00092	2.50E-04	1.46E-05	0.000864	1.02E-07	1.13E-03	0.00022	1.12E-05	0.001861	1.05E-07	0.002093
5184	488363.09	3864877.25	0.11288	0.14368	0.13325	0.17147	2.06E-04	1.2E-05	0.00071	1.8E-07	0.00093	2.52E-04	1.5E-05	0.000865	1.02E-07	1.13E-03	0.000222	1.15E-05	0.001864	1.06E-07	0.002098
5185	488863.09	3864877.25	0.11816	0.15465	0.14046	0.18089	2.15E-04	1.3E-05	0.00075	1.9E-07	0.00098	2.64E-04	1.61E-05	0.000912	1.08E-07	1.19E-03	0.000233	1.24E-05	0.001965	1.12E-07	0.00221
5186	489363.09	3864877.25	0.11873	0.17416	0.13516	0.18573	2.16E-04	1.5E-05	0.00072	2E-07	0.00095	2.65E-04	1.82E-05	0.000878	1.11E-07	1.16E-03	0.000234	1.4E-05	0.001891	1.15E-07	0.002139
5187	489863.09	3864877.25	0.11784	0.15623	0.1362	0.18316	2.15E-04	1.3E-05	0.00072	2E-07	0.00095	2.63E-04	1.63E-05	0.000885	1.09E-07	1.16E-03	0.000232	1.25E-05	0.001905	1.13E-07	0.00215
5188	490363.09	3864877.25	0.12172	0.16306	0.13812	0.18344	2.22E-04	1.4E-05	0.00073	2E-07	0.00097	2.72E-04	1.7E-05	0.000897	1.09E-07	1.19E-03	0.00024	1.31E-05	0.001932	1.13E-07	0.002185
5189	490863.09	3864877.25	0.14079	0.17524	0.15606	0.20751	2.57E-04	1.5E-05	0.00083	2.2E-07	0.0011	3.14E-04	1.83E-05	0.001014	1.24E-07	1.35E-03	0.000277	1.41E-05	0.002183	1.28E-07	0.002475
5190	491363.09	3864877.25	0.13994	0.16515	0.15885	0.20894	2.55E-04	1.4E-05	0.00084	2.2E-07	0.00111	3.13E-04	1.72E-05	0.001032	1.25E-07	1.36E-03	0.000276	1.32E-05	0.002222	1.29E-07	0.002511
5191	491863.09	3864877.25	0.15951	0.19365	0.16775	0.24013	2.91E-04	1.6E-05	0.00089	2.6E-07	0.0012	3.56E-04	2.02E-05	0.00109	1.43E-07	1.47E-03	0.000314	1.55E-05	0.002347	1.48E-07	0.002676
5192	492363.09	3864877.25	0.08311	0.08672	0.10254	0.04999	1.51E-04	7.4E-06	0.00054	5.3E-08	0.0007	1.86E-04	9.04E-06	0.000666	2.98E-08	8.61E-04	0.000164	6.96E-06	0.001434	3.08E-08	0.001605
5193	492863.09	3864877.25	0.12201	0.12486	0.13335	0.08664	2.22E-04	1.1E-05	0.00071	9.2E-08	0.00094	2.73E-04	1.3E-05	0.000866	5.17E-08	1.15E-03	0.00024	1E-05	0.001865	5.34E-08	0.002116
5194	493363.09	3864877.25	0.11345	0.1213	0.13322	0.08314	2.07E-04	1E-05	0.00071	8.9E-08	0.00093	2.53E-04	1.26E-05	0.000865	4.96E-08	1.13E-03	0.000223	9.73E-06	0.001864	5.13E-08	0.002097
5195	493863.09	3864877.25	0.16335	0.18903	0.15988	0.17552	2.98E-04	1.6E-05	0.00085	1.9E-07	0.00116	3.65E-04	1.97E-05	0.001038	1.05E-07	1.42E-03	0.000322	1.52E-05	0.002237	1.08E-07	0.002574
5196	494363.09	3864877.25	0.1528	0.18353	0.14906	0.19614	2.79E-04	1.6E-05	0.00079	2.1E-07	0.00109	3.41E-04	1.91E-05	0.000968	1.17E-07	1.33E-03	0.000301	1.47E-05	0.002085	1.21E-07	0.002401
5197	494863.09	3864877.25	0.16248	0.19167	0.15572	0.25698	2.96E-04	1.6E-05	0.00083	2.7E-07	0.00114	3.63E-04	2E-05	0.001011	1.53E-07	1.39E-03	0.00032	1.54E-05	0.002178	1.58E-07	0.002514
5198	495363.09	3864877.25	0.15511	0.19153	0.147	0.21447	2.83E-04	1.6E-05	0.00078	2.3E-07	0.00108	3.46E-04	2E-05	0.000955	1.28E-07	1.32E-03	0.000305	1.54E-05	0.002056	1.32E-07	0.002377
5199	495863.09	3864877.25	0.1329	0.17085	0.14223	0.19734	2.42E-04	1.5E-05	0.00076	2.1E-07	0.00101	2.97E-04	1.78E-05	0.000924	1.18E-07	1.24E-03	0.000262	1.37E-05	0.00199	1.22E-07	0.002265
5200	496363.09	3864877.25	0.11893	0.15018	0.12308	0.17977	2.17E-04	1.3E-05	0.00065	1.9E-07	0.00088	2.66E-04	1.57E-05	0.000799	1.07E-07	1.08E-03	0.000234	1.2E-05	0.001722	1.11E-07	0.001968
5201	496863.09	3864877.25	0.11714	0.14496	0.11674	0.17424	2.14E-04	1.2E-05	0.00062	1.9E-07	0.00085	2.62E-04	1.51E-05	0.000758	1.04E-07	1.04E-03	0.000231	1.16E-05	0.001633	1.07E-07	0.001876
5202	497363.09	3864877.25	0.10598	0.1337	0.10869	0.14706	1.93E-04	1.1E-05	0.00058	1.6E-07	0.00078	2.37E-04	1.39E-05	0.000706	8.78E-08	9.57E-04	0.000209	1.07E-05	0.00152	9.07E-08	0.00174
5203	497863.09	3864877.25	0.10942	0.142	0.11198	0.16494	1.99E-04	1.2E-05	0.00059	1.8E-07	0.00081	2.44E-04	1.48E-05	0.000727	9.84E-08	9.87E-04	0.000215	1.14E-05	0.001566	1.02E-07	0.001793
5204	498363.09	3864877.25	0.10372	0.14044	0.10948	0.16032	1.89E-04	1.2E-05	0.00058	1.7E-07	0.00078	2.32E-04	1.46E-05	0.000711	9.57E-08	9.58E-04	0.000204	1.13E-05	0.001532	9.88E-08	0.001747
5205	471363.09	3865377.25	0.05886	0.09787	0.06342	0.08541	1.07E-04	8.3E-06	0.00034	9.1E-08	0.00045	1.31E-04	1.02E-05	0.000412	5.1E-08	5.54E-04	0.000116	7.85E-06	0.000887	5.27E-08	0.001011
5206	471863.09	3865377.25	0.06127	0.09809	0.06526	0.08971	1.12E-04	8.3E-06	0.00035	9.6E-08	0.00047	1.37E-04	1.02E-05	0.000424	5.35E-08	5.71E-04	0.000121	7.87E-06	0.000913	5.53E-08	0.001042
5207	472363.09	3865377.25	0.06363	0.09613	0.06681	0.09313	1.16E-04	8.2E-06	0.00035	9.9E-08	0.00048	1.42E-04	1E-05	0.000434	5.56E-08	5.86E-04	0.000125	7.71E-06	0.000935	5.74E-08	0.001068
5208	472863.09	3865377.25	0.06458	0.09356	0.07016	0.09563	1.18E-04	8E-06	0.00037	1E-07	0.0005	1.44E-04	9.76E-06	0.000456	5.71E-08	6.10E-04	0.000127	7.51E-06	0.000981	5.9E-08	0.001116
5209	473363.09	3865377.25	0.06752	0.09207	0.07145	0.09711	1.23E-04	7.8E-06	0.00038	1E-07	0.00051	1.51E-04	9.6E-06	0.000464	5.8E-08	6.25E-04	0.000133	7.39E-06	0.001	5.99E-08	0.00114
5210	473863.09	3865377.25	0.07009	0.08929	0.07192	0.09652	1.28E-04	7.6E-06	0.00038	1E-07	0.00052	1.57E-04	9.31E-06	0.000467	5.76E-08	6.33E-04	0.000138	7.16E-06	0.001006	5.95E-08	0.001151
5211	474363.09	3865377.25	0.06997	0.08793	0.07116	0.09948	1.28E-04	7.5E-06	0.00038	1.1E-07	0.00051	1.56E-04	9.17E-06	0.000462	5.94E-08	6.28E-04	0.000138	7.05E-06	0.000995	6.13E-08	0.00114
5212	474863.09	3865377.25	0.07025	0.09864	0.07187	0.09743	1.28E-04	8.4E-06	0.00038	1E-07	0.00052	1.57E-04	1.03E-05	0.000467	5.82E-08	6.34E-04	0.000138	7.91E-06	0.001005	6.01E-08	0.001152
5213	475363.09	3865377.25	0.07021	0.10379	0.07344	0.1029	1.28E-04	8.8E-06	0.00039	1.1E-07	0.00053	1.57E-04	1.08E-05	0.000477	6.14E-08	6.45E-04	0.000138	8.33E-06	0.001027	6.34E-08	0.001174
5214	475863.09	3865377.25	0.07148	0.1097	0.07733	0.10613	1.30E-04	9.3E-06	0.00041	1.1E-07	0.00055	1.60E-04	1.14E-05	0.000502	6.33E-08	6.73E-04	0.000141	8.8E-06	0.001082	6.54E-08	0.001231
5215	476363.09	3865377.25	0.07348	0.10976	0.08138	0.10235	1.34E-04	9.3E-06	0.00043	1.1E-07	0.00058	1.64E-04	1.14E-05	0.000529	6.11E-08	7.04E-04	0.000145	8.8E-06	0.001138	6.31E-08	0.001292
5216	476863.09	3865377.25	0.07611	0.10709	0.08481	0.09598	1.39E-04	9.1E-06	0.00045	1E-07	0.0006	1.70E-04	1.12E-05	0.000551	5.73E-08	7.32E-04	0.00015	8.59E-06	0.001186	5.92E-08	0.001345
5217	477363.09	3865377.25	0.07754	0.11462	0.08193	0.10838	1.41E-04	9.8E-06	0.00044	1.2E-07	0.00059	1.73E-04	1.2E-05	0.000532	6.47E-08	7.17E-04	0.000153	9.19E-06	0.001146	6.68E-08	0.001308
5218	477863.09	3865377.25	0.08165	0.12432	0.08599	0.11165	1.49E-04	1.1E-05	0.00046	1.2E-07	0.00062	1.82E-04	1.3E-05	0.000559	6.66E-08	7.54E-04	0.000161	9.97E-06	0.001203	6.88E-08	0.001374
5219	478363.09	3865377.25	0.08545	0.11382	0.08732	0.11234	1.56E-04	9.7E-06	0.00046	1.2E-07	0.00063	1.91E-04	1.19E-05	0.000567	6.7E-08	7.70E-04	0.000168	9.13E-06	0.001222	6.93E-08	0.001399
5220	478863.09	3865377.25	0.08813	0.11176	0.09164	0.1119	1.61E-04	9.5E-06	0.00049	1.2E-07	0.00066	1.97E-04	1.17E-05	0.000595	6.68E-08	8.04E-04	0.000174	8.97E-06	0.001282	6.9E-08	0.001465
5221	479363.09	3865377.25	0.09253	0.12859	0.09819	0.11932	1.69E-04	1.1E-05	0.00052	1.3E-07	0.0007	2.07E-04	1.34E-05	0.000638	7.12E-08	8.58E-04	0.000182	1.03E-05	0.001374	7.36E-08	0.001566
5222	479863.09	3865377.25	0.09464	0.13415	0.10879	0.11985	1.73E-04	1.1E-05	0.00058	1.3E-07	0.00076	2.11E-04	1.4E-05	0.000707	7.15E-08	9.32E-04	0.000186	1.08E-05	0.001522	7.39E-08	0.001719
5223	480363.09	3865377.25	0.09279	0.1313	0.10767	0.13238	1.69E-04	1.1E-05	0.00057	1.4E-07	0.00075	2.07E-04	1.37E-05	0.000699	7.9E-08	9.20E-04	0.000183	1.05E-05	0.001506	8.16E-08	0.0017
5224	480863.09	3865377.25	0.09126	0.12531	0.10303	0.13687	1.66E-04	1.1E-05	0.00055	1.5E-07	0.00072	2.04E-04	1.31E-05	0.000669	8.17E-08	8.86E-04	0.00018	1.01E-05	0.001441	8.44E-08	0.001631
5225	481363.09	3865377.25	0.09417	0.12382	0.09873	0.13764	1.72E-04	1.1E-05	0.00052	1.5E-07	0.00071	2.10E-04	1.29E-05	0.000641	8.21E-08	8.65E-04	0.000185	9.93E-06	0.001381	8.49E-08	0.001577
5226	481863.09	3865377.25	0.09555	0.13642	0.10134	0.1346	1.74E-04	1.2E-05	0.00054	1.4E-07	0.00072	2.13E-04	1.42E-05	0.000658	8.03E-08	8.86E-04	0.000188	1.09E-05	0.001418	8.3E-08	0.001617
5227	482363.09	3865377.25	0.09707	0.15826	0.10239	0.13038	1.77E-04	1.3E-05	0.00054	1.4E-07	0.00073	2.17E-04	1.65E-05	0.000665	7.78E-08	8.98E-04	0.000191	1.27E-05	0.001432	8.04E-08	0.001636
5228	482863.09	3865377.25	0.10116	0.15038	0.10888	0.12993	1.84E-04	1.3E-05	0.00058	1.4E-07	0.00078	2.26E-04	1.57E-05	0.000707	7.75E-08	9.49E-04	0.000199	1.21E-05	0.001523	8.01E-08	0.001734
5229	483363.09	3865377.25	0.0998	0.14266	0.10712	0.13344	1.82E-04	1.2E-05	0.00057	1.4E-07	0.00076	2.23E-04	1.49E-05	0.000696	7.96E-08	9.34E-04	0.000197	1.14E-05	0.001499	8.23E-08	0.001707
5230	483863.09	3865377.25	0.09637	0.14159	0.10637	0.14255	1.76E-04	1.2E-05	0.00057	1.5E-07	0.00075	2.15E-04	1.48E-05	0.000691	8.51E-08	9.21E-04	0.00019	1.14E-05	0.001488	8.79E-08	0.001689
5231	484363.09	3865377.25	0.09485	0.12997	0.10678	0.13466	1.73E-04	1.1E-05	0.00057	1.4E-07	0.00075	2.12E-04	1.36E-05	0.000694	8.04E-08	9.19E-04	0.000187	1.04E-05	0.001494	8.3E-08	0.001691
5232	484863.09	3865377.25	0.09788	0.14213	0.10765	0.13502	1.78E-04	1.2E-05	0.00057	1.4E-07	0.00076	2.19E-04	1.48E-05	0.000699	8.06E-08	9.33E-04	0.000193	1.14E-05	0.001506	8.32E-08	0.00171
5233	485363.09	3865377.25	0.09655	0.16199	0.10504	0.14299	1.76E-04	1.4E-05	0.00056	1.5E-07	0.00075	2.16E-04	1.69E-05	0.000682	8.53E-08	9.15E-04	0.00019	1.3E-05	0.001469	8.82E-08	0.001673
5234	485863.09	3865377.25	0.0966	0.14825	0.10853	0.1438	1.76E-04	1.3E-05	0.00058	1.5E-07	0.00077	2.16E-04	1.55E-05	0.000705	8.58E-08	9.36E-04	0.00019	1.19E-05	0.001518	8.87E-08	0.00172
5235	486363.09	3865377.25	0.09621	0.13241	0.11251	0.14282	1.75E-04	1.1E-05	0.0006	1.5E-07	0.00078	2.15E-04	1.38E-05	0.000731	8.52E-08	9.60E-04	0.000189	1.06E-05	0.001574	8.81E-08	0.001774
5236	486863.09	3865377.25	0.09698	0.1401	0.11052	0.14787	1.77E-04	1.2E-05	0.00059	1.6E-07	0.00078	2.17E-04	1.46E-05	0.000718	8.83E-08	9.49E-04	0.000191	1.12E-05	0.001546	9.12E-08	0.001748
5237	487363.09	3865377.25	0.09918	0.14626	0.11293	0.14921	1.81E-04	1.2E-05	0.0006	1.6E-07	0.00079	2.22E-04	1.53E-05	0.000734	8.91E-08	9.70E-04	0.000195	1.17E-05	0.00158	9.2E-08	0.001787
5238	487863.09	3865377.25	0.10307	0.13376	0.1187	0.15213	1.88E-04	1.1E-05	0.00063	1.6E-07	0.00083	2.30E-04	1.39E-05	0.000771	9.08E-08	1.02E-03	0.000203	1.07E-05	0.00166	9.38E-08	0.001874
5239	488363.09	3865377.25	0.10655	0.13235	0.1244	0.16148	1.94E-04	1.1E-05	0.00066	1.7E-07	0.00087	2.38E-04	1.38E-05	0.000808	9.64E-08	1.06E-03	0.00021	1.06E-05	0.00174	9.96E-08	0.001961
5240	488863.09	3865377.25	0.10727	0.13852	0.12722	0.16416	1.96E-04	1.2E-05	0.00068	1.8E-07	0.00088	2.40E-04	1.44E-05	0.000826	9.8E-08	1.08E-03	0.000211	1.11E-05	0.00178	1.01E-07	0.002002
5241	489363.09	3865377.25	0.112	0.15282	0.1307	0.17155	2.04E-04	1.3E-05	0.00069	1.8E-07	0.00091	2.50E-04	1.59E-05	0.000849	1.02E-07	1.12E-03	0.000221	1.23E-05	0.001828	1.06E-07	0.002061
5242	489863.09	3865377.25	0.11267	0.14663	0.1297	0.1777	2.05E-04	1.2E-05	0.00069	1.9E-07	0.00091	2.52E-04	1.53E-05	0.000842	1.06E-07	1.11E-03	0.000222	1.18E-05	0.001814	1.1E-07	0.002048

5243	490363.09	3865377.25	0.11462	0.15221	0.12895	0.18129	2.09E-04	1.3E-05	0.00069	1.9E-07	0.00091	2.56E-04	1.59E-05	0.000838	1.08E-07	1.11E-03	0.000226	1.22E-05	0.001804	1.12E-07	0.002042
5244	490863.09	3865377.25	0.12522	0.15972	0.13756	0.18052	2.28E-04	1.4E-05	0.00073	1.9E-07	0.00097	2.80E-04	1.67E-05	0.000893	1.08E-07	1.19E-03	0.000247	1.28E-05	0.001924	1.11E-07	0.002184
5245	491363.09	3865377.25	0.12931	0.15569	0.14704	0.18973	2.36E-04	1.3E-05	0.00078	2E-07	0.00103	2.89E-04	1.62E-05	0.000955	1.13E-07	1.26E-03	0.000255	1.25E-05	0.002057	1.17E-07	0.002324
5246	491863.09	3865377.25	0.14359	0.16188	0.14956	0.21304	2.62E-04	1.4E-05	0.00079	2.3E-07	0.00107	3.21E-04	1.69E-05	0.000971	1.27E-07	1.31E-03	0.000283	1.3E-05	0.002092	1.31E-07	0.002388
5247	492363.09	3865377.25	0.16199	0.18347	0.15991	0.16954	2.95E-04	1.6E-05	0.00085	1.8E-07	0.00116	3.62E-04	1.91E-05	0.001039	1.01E-07	1.42E-03	0.000319	1.47E-05	0.002237	1.05E-07	0.002571
5248	492863.09	3865377.25	0.13713	0.14778	0.16132	0.10559	2.50E-04	1.3E-05	0.00086	1.1E-07	0.00112	3.06E-04	1.54E-05	0.001048	6.3E-08	1.37E-03	0.00027	1.19E-05	0.002257	6.51E-08	0.002539
5249	493363.09	3865377.25	0.10829	0.11489	0.12204	0.08125	1.97E-04	9.8E-06	0.00065	8.7E-08	0.00086	2.42E-04	1.2E-05	0.000793	4.85E-08	1.05E-03	0.000213	9.22E-06	0.001707	5.01E-08	0.00193
5250	493863.09	3865377.25	0.14855	0.17531	0.16421	0.1426	2.71E-04	1.5E-05	0.00087	1.5E-07	0.00116	3.32E-04	1.83E-05	0.001067	8.51E-08	1.42E-03	0.000293	1.41E-05	0.002297	8.79E-08	0.002604
5251	494363.09	3865377.25	0.14564	0.17181	0.1395	0.15937	2.65E-04	1.5E-05	0.00074	1.7E-07	0.00102	3.25E-04	1.79E-05	0.000906	9.51E-08	1.25E-03	0.000287	1.38E-05	0.001951	9.83E-08	0.002252
5252	494863.09	3865377.25	0.14207	0.16846	0.13756	0.18059	2.59E-04	1.4E-05	0.00073	1.9E-07	0.001	3.17E-04	1.76E-05	0.000893	1.08E-07	1.23E-03	0.00028	1.35E-05	0.001924	1.11E-07	0.002218
5253	495363.09	3865377.25	0.14949	0.17417	0.14444	0.23832	2.72E-04	1.5E-05	0.00077	2.5E-07	0.00106	3.34E-04	1.82E-05	0.000938	1.42E-07	1.29E-03	0.000294	1.4E-05	0.002021	1.47E-07	0.002329
5254	495863.09	3865377.25	0.13695	0.17102	0.13263	0.1988	2.50E-04	1.5E-05	0.0007	2.1E-07	0.00097	3.06E-04	1.78E-05	0.000861	1.19E-07	1.19E-03	0.00027	1.37E-05	0.001855	1.23E-07	0.002139
5255	496363.09	3865377.25	0.12878	0.16139	0.13514	0.21824	2.35E-04	1.4E-05	0.00072	2.3E-07	0.00097	2.88E-04	1.68E-05	0.000878	1.3E-07	1.18E-03	0.000254	1.29E-05	0.00189	1.35E-07	0.002157
5256	496863.09	3865377.25	0.11241	0.14351	0.11563	0.16718	2.05E-04	1.2E-05	0.00061	1.8E-07	0.00083	2.51E-04	1.5E-05	0.000751	9.98E-08	1.02E-03	0.000221	1.15E-05	0.001618	1.03E-07	0.001851
5257	497363.09	3865377.25	0.10512	0.13419	0.10743	0.15673	1.92E-04	1.1E-05	0.00057	1.7E-07	0.00077	2.35E-04	1.4E-05	0.000698	9.35E-08	9.47E-04	0.000207	1.08E-05	0.001503	9.66E-08	0.001721
5258	497863.09	3865377.25	0.10078	0.1274	0.105	0.14523	1.84E-04	1.1E-05	0.00056	1.5E-07	0.00075	2.25E-04	1.33E-05	0.000682	8.67E-08	9.20E-04	0.000198	1.02E-05	0.001469	8.95E-08	0.001678
5259	498363.09	3865377.25	0.10273	0.13155	0.09879	0.15106	1.87E-04	1.1E-05	0.00052	1.6E-07	0.00072	2.29E-04	1.37E-05	0.000642	9.02E-08	8.85E-04	0.000202	1.06E-05	0.001382	9.31E-08	0.001595
5260	471363.09	3865877.25	0.05774	0.09006	0.06005	0.08605	1.05E-04	7.7E-06	0.00032	9.2E-08	0.00043	1.29E-04	9.39E-06	0.00039	5.14E-08	5.28E-04	0.000114	7.22E-06	0.00084	5.31E-08	0.000961
5261	471863.09	3865877.25	0.05885	0.08583	0.06291	0.08686	1.07E-04	7.3E-06	0.00033	9.3E-08	0.00045	1.31E-04	8.95E-06	0.000409	5.18E-08	5.49E-04	0.000116	6.89E-06	0.00088	5.36E-08	0.001003
5262	472363.09	3865877.25	0.05996	0.08521	0.06483	0.09059	1.09E-04	7.3E-06	0.00034	9.7E-08	0.00046	1.34E-04	8.89E-06	0.000421	5.41E-08	5.64E-04	0.000118	6.84E-06	0.000907	5.59E-08	0.001032
5263	472863.09	3865877.25	0.06253	0.08247	0.06541	0.08811	1.14E-04	7E-06	0.00035	9.4E-08	0.00047	1.40E-04	8.6E-06	0.000425	5.26E-08	5.73E-04	0.000123	6.62E-06	0.000915	5.43E-08	0.001045
5264	473363.09	3865877.25	0.06388	0.08221	0.06596	0.08829	1.16E-04	7E-06	0.00035	9.4E-08	0.00047	1.43E-04	8.57E-06	0.000428	5.27E-08	5.80E-04	0.000126	6.59E-06	0.000923	5.44E-08	0.001055
5265	473863.09	3865877.25	0.06363	0.08317	0.06638	0.08922	1.16E-04	7.1E-06	0.00035	9.5E-08	0.00048	1.42E-04	8.67E-06	0.000431	5.33E-08	5.82E-04	0.000125	6.67E-06	0.000929	5.5E-08	0.001061
5266	474363.09	3865877.25	0.06408	0.09387	0.06726	0.09146	1.17E-04	8E-06	0.00036	9.8E-08	0.00048	1.43E-04	9.79E-06	0.000437	5.46E-08	5.90E-04	0.000126	7.53E-06	0.000941	5.64E-08	0.001075
5267	474863.09	3865877.25	0.06525	0.09501	0.06729	0.0927	1.19E-04	8.1E-06	0.00036	9.9E-08	0.00048	1.46E-04	9.91E-06	0.000437	5.53E-08	5.93E-04	0.000129	7.62E-06	0.000941	5.72E-08	0.001078
5268	475363.09	3865877.25	0.0664	0.10542	0.07189	0.09682	1.21E-04	9E-06	0.00038	1E-07	0.00051	1.48E-04	1.1E-05	0.000467	5.78E-08	6.26E-04	0.000131	8.46E-06	0.001006	5.97E-08	0.001145
5269	475863.09	3865877.25	0.06678	0.09617	0.07352	0.0938	1.22E-04	8.2E-06	0.00039	1E-07	0.00052	1.49E-04	1E-05	0.000478	5.6E-08	6.37E-04	0.000132	7.71E-06	0.001028	5.78E-08	0.001168
5270	476363.09	3865877.25	0.06783	0.09992	0.07483	0.09195	1.24E-04	8.5E-06	0.0004	9.8E-08	0.00053	1.52E-04	1.04E-05	0.000486	5.49E-08	6.48E-04	0.000134	8.02E-06	0.001047	5.67E-08	0.001188
5271	476863.09	3865877.25	0.07457	0.10074	0.08162	0.09741	1.36E-04	8.6E-06	0.00043	1E-07	0.00058	1.67E-04	1.05E-05	0.00053	5.81E-08	7.07E-04	0.000147	8.08E-06	0.001142	6.01E-08	0.001297
5272	477363.09	3865877.25	0.07655	0.112	0.0811	0.10647	1.40E-04	9.5E-06	0.00043	1.1E-07	0.00058	1.71E-04	1.17E-05	0.000527	6.35E-08	7.10E-04	0.000151	8.98E-06	0.001135	6.56E-08	0.001294
5273	477863.09	3865877.25	0.07861	0.11211	0.07964	0.10322	1.43E-04	9.5E-06	0.00042	1.1E-07	0.00058	1.76E-04	1.17E-05	0.000517	6.16E-08	7.05E-04	0.000155	8.99E-06	0.001114	6.36E-08	0.001278
5274	478363.09	3865877.25	0.08257	0.10138	0.08244	0.10204	1.51E-04	8.6E-06	0.00044	1.1E-07	0.0006	1.84E-04	1.06E-05	0.000535	6.09E-08	7.31E-04	0.000163	8.13E-06	0.001153	6.29E-08	0.001324
5275	478863.09	3865877.25	0.08428	0.11897	0.08906	0.10636	1.54E-04	1E-05	0.00047	1.1E-07	0.00064	1.88E-04	1.24E-05	0.000578	6.35E-08	7.79E-04	0.000166	9.54E-06	0.001246	6.56E-08	0.001421
5276	479363.09	3865877.25	0.0883	0.12156	0.0963	0.10907	1.61E-04	1E-05	0.00051	1.2E-07	0.00068	1.97E-04	1.27E-05	0.000625	6.51E-08	8.35E-04	0.000174	9.75E-06	0.001347	6.72E-08	0.001531
5277	479863.09	3865877.25	0.08737	0.12506	0.10085	0.11246	1.59E-04	1.1E-05	0.00054	1.2E-07	0.00071	1.95E-04	1.3E-05	0.000655	6.71E-08	8.63E-04	0.000172	1E-05	0.001411	6.93E-08	0.001593
5278	480363.09	3865877.25	0.08664	0.12041	0.09675	0.12475	1.58E-04	1E-05	0.00051	1.3E-07	0.00068	1.94E-04	1.26E-05	0.000628	7.45E-08	8.35E-04	0.000171	9.66E-06	0.001353	7.69E-08	0.001534
5279	480863.09	3865877.25	0.08608	0.11789	0.09271	0.12966	1.57E-04	1E-05	0.00049	1.4E-07	0.00066	1.92E-04	1.23E-05	0.000602	7.74E-08	8.07E-04	0.00017	9.46E-06	0.001297	7.99E-08	0.001476
5280	481363.09	3865877.25	0.08724	0.12396	0.09062	0.12236	1.59E-04	1.1E-05	0.00048	1.3E-07	0.00065	1.95E-04	1.29E-05	0.000589	7.3E-08	7.96E-04	0.000172	9.94E-06	0.001268	7.54E-08	0.00145
5281	481863.09	3865877.25	0.08882	0.13722	0.09312	0.12181	1.62E-04	1.2E-05	0.00049	1.3E-07	0.00067	1.98E-04	1.43E-05	0.000605	7.27E-08	8.18E-04	0.000175	1.1E-05	0.001303	7.51E-08	0.001489
5282	482363.09	3865877.25	0.08951	0.13787	0.09595	0.11661	1.63E-04	1.2E-05	0.00051	1.2E-07	0.00068	2.00E-04	1.44E-05	0.000623	6.96E-08	8.38E-04	0.000176	1.11E-05	0.001342	7.19E-08	0.00153
5283	482863.09	3865877.25	0.09309	0.14159	0.10019	0.12145	1.70E-04	1.2E-05	0.00053	1.3E-07	0.00071	2.08E-04	1.48E-05	0.000651	7.25E-08	8.74E-04	0.000183	1.14E-05	0.001402	7.49E-08	0.001596
5284	483363.09	3865877.25	0.09137	0.13511	0.10032	0.13006	1.67E-04	1.1E-05	0.00053	1.4E-07	0.00071	2.04E-04	1.41E-05	0.000652	7.76E-08	8.70E-04	0.00018	1.08E-05	0.001403	8.02E-08	0.001594
5285	483863.09	3865877.25	0.08867	0.12176	0.09925	0.13114	1.62E-04	1E-05	0.00053	1.4E-07	0.0007	1.98E-04	1.27E-05	0.000645	7.83E-08	8.55E-04	0.000175	9.77E-06	0.001388	8.09E-08	0.001573
5286	484363.09	3865877.25	0.08737	0.1242	0.10049	0.12653	1.59E-04	1.1E-05	0.00053	1.3E-07	0.0007	1.95E-04	1.3E-05	0.000653	7.55E-08	8.61E-04	0.000172	9.96E-06	0.001406	7.8E-08	0.001588
5287	484863.09	3865877.25	0.09154	0.13433	0.10093	0.12763	1.67E-04	1.1E-05	0.00054	1.4E-07	0.00071	2.04E-04	1.4E-05	0.000656	7.62E-08	8.74E-04	0.00018	1.08E-05	0.001412	7.87E-08	0.001603
5288	485363.09	3865877.25	0.08926	0.14603	0.09876	0.13563	1.63E-04	1.2E-05	0.00052	1.4E-07	0.0007	1.99E-04	1.52E-05	0.000641	8.09E-08	8.56E-04	0.000176	1.17E-05	0.001382	8.36E-08	0.001569
5289	485863.09	3865877.25	0.08978	0.13928	0.10194	0.13547	1.64E-04	1.2E-05	0.00054	1.4E-07	0.00072	2.01E-04	1.45E-05	0.000662	8.09E-08	8.77E-04	0.000177	1.12E-05	0.001426	8.35E-08	0.001614
5290	486363.09	3865877.25	0.09011	0.1283	0.10595	0.13237	1.64E-04	1.1E-05	0.00056	1.4E-07	0.00074	2.01E-04	1.34E-05	0.000688	7.9E-08	9.03E-04	0.000177	1.03E-05	0.001482	8.16E-08	0.00167
5291	486863.09	3865877.25	0.09045	0.13076	0.10381	0.1392	1.65E-04	1.1E-05	0.00055	1.5E-07	0.00073	2.02E-04	1.36E-05	0.000674	8.31E-08	8.90E-04	0.000178	1.05E-05	0.001452	8.58E-08	0.001641
5292	487363.09	3865877.25	0.09139	0.13729	0.10291	0.13911	1.67E-04	1.2E-05	0.00055	1.5E-07	0.00073	2.04E-04	1.43E-05	0.000668	8.3E-08	8.87E-04	0.00018	1.1E-05	0.00144	8.58E-08	0.001631
5293	487863.09	3865877.25	0.09541	0.13018	0.11029	0.14199	1.74E-04	1.1E-05	0.00059	1.5E-07	0.00077	2.13E-04	1.36E-05	0.000716	8.47E-08	9.43E-04	0.000188	1.04E-05	0.001543	8.75E-08	0.001741
5294	488363.09	3865877.25	0.09956	0.12698	0.11856	0.14772	1.81E-04	1.1E-05	0.00063	1.6E-07	0.00082	2.22E-04	1.32E-05	0.00077	8.82E-08	1.01E-03	0.000196	1.02E-05	0.001659	9.11E-08	0.001865
5295	488863.09	3865877.25	0.1009	0.127	0.12071	0.15185	1.84E-04	1.1E-05	0.00064	1.6E-07	0.00084	2.25E-04	1.32E-05	0.000784	9.06E-08	1.02E-03	0.000199	1.02E-05	0.001689	9.36E-08	0.001898
5296	489363.09	3865877.25	0.10548	0.14386	0.12271	0.15878	1.92E-04	1.2E-05	0.00065	1.7E-07	0.00086	2.36E-04	1.5E-05	0.000797	9.48E-08	1.05E-03	0.000208	1.15E-05	0.001717	9.79E-08	0.001936
5297	489863.09	3865877.25	0.10491	0.13856	0.11887	0.16693	1.91E-04	1.2E-05	0.00063	1.8E-07	0.00083	2.34E-04	1.44E-05	0.000772	9.96E-08	1.02E-03	0.000207	1.11E-05	0.001663	1.03E-07	0.001881
5298	490363.09	3865877.25	0.1065	0.14576	0.12314	0.16246	1.94E-04	1.2E-05	0.00065	1.7E-07	0.00086	2.38E-04	1.52E-05	0.0008	9.7E-08	1.05E-03	0.00021	1.17E-05	0.001723	1E-07	0.001944
5299	490863.09	3865877.25	0.11105	0.14608	0.12509	0.16321	2.02E-04	1.2E-05	0.00066	1.7E-07	0.00088	2.48E-04	1.52E-05	0.000812	9.74E-08	1.08E-03	0.000219	1.17E-05	0.00175	1.01E-07	0.00198
5300	491363.09	3865877.25	0.12638	0.15033	0.13859	0.17272	2.30E-04	1.3E-05	0.00074	1.8E-07	0.00098	2.82E-04	1.57E-05	0.0009	1.03E-07	1.20E-03	0.000249	1.21E-05	0.001939	1.06E-07	0.0022
5301	491863.09	3865877.25	0.13635	0.15494	0.15327	0.17871	2.49E-04	1.3E-05	0.00081	1.9E-07	0.00108	3.05E-04	1.62E-05	0.000996	1.07E-07	1.32E-03	0.000269	1.24E-05	0.002144	1.1E-07	0.002425
5302	492363.09	3865877.25	0.16024	0.16283	0.15783	0.17994	2.92E-04	1.4E-05	0.00084	1.9E-07	0.00114	3.58E-04	1.7E-05	0.001025	1.07E-07	1.40E-03	0.000316	1.31E-05	0.002208	1.11E-07	0.002537
5303	492863.09	3865877.25	0.12392	0.14832	0.12697	0.10971	2.26E-04	1.3E-05	0.00067	1.2E-07	0.00091	2.77E-04	1.55E-05	0.000825	6.55E-08	1.12E-03	0.000244	1.19E-05	0.001776	6.76E-08	0.002032

5304	493363.09	3865877.25	0.13664	0.14181	0.15268	0.11403	2.49E-04	1.2E-05	0.00081	1.2E-07	0.00107	3.05E-04	1.48E-05	0.000992	6.81E-08	1.31E-03	0.000269	1.14E-05	0.002136	7.03E-08	0.002416
5305	493863.09	3865877.25	0.15247	0.17008	0.16879	0.13534	2.78E-04	1.4E-05	0.0009	1.4E-07	0.00119	3.41E-04	1.77E-05	0.001096	8.08E-08	1.45E-03	0.0003	1.36E-05	0.002361	8.34E-08	0.002675
5306	494363.09	3865877.25	0.14073	0.16933	0.14861	0.17423	2.57E-04	1.4E-05	0.00079	1.9E-07	0.00106	3.14E-04	1.77E-05	0.000965	1.04E-07	1.30E-03	0.000277	1.36E-05	0.002079	1.07E-07	0.00237
5307	494863.09	3865877.25	0.12514	0.14626	0.12186	0.15919	2.28E-04	1.2E-05	0.00065	1.7E-07	0.00089	2.80E-04	1.53E-05	0.000792	9.5E-08	1.09E-03	0.000246	1.17E-05	0.001705	9.82E-08	0.001963
5308	495363.09	3865877.25	0.12468	0.15507	0.12188	0.17185	2.27E-04	1.3E-05	0.00065	1.8E-07	0.00089	2.79E-04	1.62E-05	0.000792	1.03E-07	1.09E-03	0.000246	1.24E-05	0.001705	1.06E-07	0.001963
5309	495863.09	3865877.25	0.13934	0.1611	0.13489	0.22094	2.54E-04	1.4E-05	0.00072	2.4E-07	0.00098	3.11E-04	1.68E-05	0.000876	1.32E-07	1.20E-03	0.000274	1.29E-05	0.001887	1.36E-07	0.002174
5310	496363.09	3865877.25	0.1315	0.16515	0.129	0.18278	2.40E-04	1.4E-05	0.00069	1.9E-07	0.00094	2.94E-04	1.72E-05	0.000838	1.09E-07	1.15E-03	0.000259	1.32E-05	0.001805	1.13E-07	0.002077
5311	496863.09	3865877.25	0.14149	0.17148	0.14854	0.2032	2.58E-04	1.5E-05	0.00079	2.2E-07	0.00106	3.16E-04	1.79E-05	0.000965	1.21E-07	1.30E-03	0.000279	1.38E-05	0.002078	1.25E-07	0.00237
5312	497363.09	3865877.25	0.1103	0.13612	0.11466	0.16758	2.01E-04	1.2E-05	0.00061	1.8E-07	0.00082	2.46E-04	1.42E-05	0.000745	1E-07	1.01E-03	0.000217	1.09E-05	0.001604	1.03E-07	0.001832
5313	497863.09	3865877.25	0.10024	0.12365	0.09861	0.15071	1.83E-04	1.1E-05	0.00052	1.6E-07	0.00072	2.24E-04	1.29E-05	0.000641	9E-08	8.77E-04	0.000197	9.92E-06	0.001379	9.29E-08	0.001587
5314	498363.09	3865877.25	0.10783	0.12977	0.10704	0.13722	1.97E-04	1.1E-05	0.00057	1.5E-07	0.00078	2.41E-04	1.35E-05	0.000695	8.19E-08	9.50E-04	0.000212	1.04E-05	0.001497	8.46E-08	0.00172
5315	471363.09	3866377.25	0.05472	0.07982	0.06041	0.08192	9.97E-05	6.8E-06	0.00032	8.7E-08	0.00043	1.22E-04	8.32E-06	0.000392	4.89E-08	5.23E-04	0.000108	6.4E-06	0.000845	5.05E-08	0.000959
5316	471863.09	3866377.25	0.05608	0.07838	0.06067	0.08048	1.02E-04	6.7E-06	0.00032	8.6E-08	0.00043	1.25E-04	8.17E-06	0.000394	4.8E-08	5.28E-04	0.00011	6.29E-06	0.000849	4.96E-08	0.000965
5317	472363.09	3866377.25	0.05817	0.07494	0.06021	0.08206	1.06E-04	6.4E-06	0.00032	8.8E-08	0.00043	1.30E-04	7.81E-06	0.000391	4.9E-08	5.29E-04	0.000115	6.01E-06	0.000842	5.06E-08	0.000963
5318	472863.09	3866377.25	0.05866	0.07528	0.06014	0.08245	1.07E-04	6.4E-06	0.00032	8.8E-08	0.00043	1.31E-04	7.85E-06	0.000391	4.92E-08	5.30E-04	0.000116	6.04E-06	0.000841	5.08E-08	0.000963
5319	473363.09	3866377.25	0.05794	0.08107	0.06162	0.08457	1.06E-04	6.9E-06	0.00033	9E-08	0.00044	1.29E-04	8.45E-06	0.0004	5.05E-08	5.38E-04	0.000114	6.5E-06	0.000862	5.21E-08	0.000983
5320	473863.09	3866377.25	0.0588	0.08911	0.0626	0.08625	1.07E-04	7.6E-06	0.00033	9.2E-08	0.00045	1.31E-04	9.29E-06	0.000407	5.15E-08	5.47E-04	0.000116	7.15E-06	0.000876	5.32E-08	0.000999
5321	474363.09	3866377.25	0.06009	0.08778	0.06209	0.08539	1.10E-04	7.5E-06	0.00033	9.1E-08	0.00045	1.34E-04	9.15E-06	0.000403	5.1E-08	5.47E-04	0.000118	7.04E-06	0.000869	5.26E-08	0.000994
5322	474863.09	3866377.25	0.06167	0.09582	0.06657	0.08913	1.12E-04	8.2E-06	0.00035	9.5E-08	0.00047	1.38E-04	9.99E-06	0.000432	5.32E-08	5.80E-04	0.000121	7.69E-06	0.000931	5.5E-08	0.00106
5323	475363.09	3866377.25	0.06134	0.0863	0.06726	0.08525	1.12E-04	7.3E-06	0.00036	9.1E-08	0.00048	1.37E-04	9E-06	0.000437	5.09E-08	5.83E-04	0.000121	6.92E-06	0.000941	5.26E-08	0.001069
5324	475863.09	3866377.25	0.06123	0.09671	0.06842	0.08686	1.12E-04	8.2E-06	0.00036	9.3E-08	0.00048	1.37E-04	1.01E-05	0.000444	5.18E-08	5.91E-04	0.000121	7.76E-06	0.000957	5.36E-08	0.001086
5325	476363.09	3866377.25	0.06624	0.09751	0.0701	0.09336	1.21E-04	8.3E-06	0.00037	1E-07	0.0005	1.48E-04	1.02E-05	0.000455	5.57E-08	6.14E-04	0.00013	7.82E-06	0.000981	5.76E-08	0.001119
5326	476863.09	3866377.25	0.07403	0.11104	0.0843	0.09296	1.35E-04	9.4E-06	0.00045	9.9E-08	0.00059	1.65E-04	1.16E-05	0.000548	5.55E-08	7.25E-04	0.000146	8.91E-06	0.001179	5.73E-08	0.001334
5327	477363.09	3866377.25	0.07531	0.10511	0.07574	0.09393	1.37E-04	8.9E-06	0.0004	1E-07	0.00055	1.68E-04	1.1E-05	0.000492	5.61E-08	6.71E-04	0.000148	8.43E-06	0.00106	5.79E-08	0.001216
5328	477863.09	3866377.25	0.07542	0.09439	0.07586	0.09705	1.37E-04	8E-06	0.0004	1E-07	0.00055	1.68E-04	9.84E-06	0.000493	5.79E-08	6.71E-04	0.000149	7.57E-06	0.001061	5.98E-08	0.001217
5329	478363.09	3866377.25	0.07836	0.10705	0.07875	0.09687	1.43E-04	9.1E-06	0.00042	1E-07	0.00057	1.75E-04	1.12E-05	0.000512	5.78E-08	6.98E-04	0.000154	8.59E-06	0.001102	5.97E-08	0.001265
5330	478863.09	3866377.25	0.08213	0.11669	0.08527	0.09811	1.50E-04	9.9E-06	0.00045	1E-07	0.00061	1.83E-04	1.22E-05	0.000554	5.86E-08	7.50E-04	0.000162	9.36E-06	0.001193	6.05E-08	0.001364
5331	479363.09	3866377.25	0.083	0.11856	0.09228	0.09922	1.51E-04	1E-05	0.00049	1.1E-07	0.00065	1.85E-04	1.24E-05	0.000599	5.92E-08	7.97E-04	0.000163	9.51E-06	0.001291	6.12E-08	0.001464
5332	479863.09	3866377.25	0.08232	0.11007	0.0892	0.11282	1.50E-04	9.4E-06	0.00047	1.2E-07	0.00063	1.84E-04	1.15E-05	0.000579	6.73E-08	7.75E-04	0.000162	8.83E-06	0.001248	6.96E-08	0.001419
5333	480363.09	3866377.25	0.08169	0.1083	0.08934	0.12073	1.49E-04	9.2E-06	0.00047	1.3E-07	0.00063	1.82E-04	1.13E-05	0.00058	7.21E-08	7.74E-04	0.000161	8.69E-06	0.00125	7.44E-08	0.001419
5334	480863.09	3866377.25	0.08122	0.11158	0.08478	0.11776	1.48E-04	9.5E-06	0.00045	1.3E-07	0.00061	1.81E-04	1.16E-05	0.000551	7.03E-08	7.44E-04	0.00016	8.95E-06	0.001186	7.26E-08	0.001355
5335	481363.09	3866377.25	0.08114	0.12757	0.08504	0.11379	1.48E-04	1.1E-05	0.00045	1.2E-07	0.00061	1.81E-04	1.33E-05	0.000552	6.79E-08	7.47E-04	0.00016	1.02E-05	0.00119	7.02E-08	0.00136
5336	481863.09	3866377.25	0.08288	0.12903	0.08959	0.10929	1.51E-04	1.1E-05	0.00048	1.2E-07	0.00064	1.85E-04	1.35E-05	0.000582	6.52E-08	7.81E-04	0.000163	1.04E-05	0.001253	6.74E-08	0.001427
5337	482363.09	3866377.25	0.08415	0.13211	0.09069	0.10954	1.53E-04	1.1E-05	0.00048	1.2E-07	0.00065	1.88E-04	1.38E-05	0.000589	6.54E-08	7.91E-04	0.000166	1.06E-05	0.001269	6.75E-08	0.001445
5338	482863.09	3866377.25	0.08656	0.12749	0.09619	0.11503	1.58E-04	1.1E-05	0.00051	1.2E-07	0.00068	1.93E-04	1.33E-05	0.000625	6.87E-08	8.31E-04	0.00017	1.02E-05	0.001346	7.09E-08	0.001526
5339	483363.09	3866377.25	0.08365	0.11862	0.09481	0.12725	1.52E-04	1E-05	0.0005	1.4E-07	0.00067	1.87E-04	1.24E-05	0.000616	7.59E-08	8.15E-04	0.000165	9.52E-06	0.001326	7.85E-08	0.001501
5340	483863.09	3866377.25	0.08258	0.1135	0.09385	0.11935	1.51E-04	9.7E-06	0.0005	1.3E-07	0.00066	1.84E-04	1.18E-05	0.00061	7.12E-08	8.06E-04	0.000163	9.1E-06	0.001313	7.36E-08	0.001485
5341	484363.09	3866377.25	0.08126	0.11646	0.09482	0.11806	1.48E-04	9.9E-06	0.0005	1.3E-07	0.00066	1.82E-04	1.21E-05	0.000616	7.05E-08	8.10E-04	0.00016	9.34E-06	0.001326	7.28E-08	0.001496
5342	484863.09	3866377.25	0.08542	0.13053	0.09439	0.12246	1.56E-04	1.1E-05	0.0005	1.3E-07	0.00067	1.91E-04	1.36E-05	0.000613	7.31E-08	8.18E-04	0.000168	1.05E-05	0.00132	7.55E-08	0.001499
5343	485363.09	3866377.25	0.0826	0.1382	0.09209	0.1284	1.51E-04	1.2E-05	0.00049	1.4E-07	0.00065	1.85E-04	1.44E-05	0.000598	7.66E-08	7.97E-04	0.000163	1.11E-05	0.001288	7.92E-08	0.001462
5344	485863.09	3866377.25	0.08351	0.12901	0.09561	0.12667	1.52E-04	1.1E-05	0.00051	1.4E-07	0.00067	1.87E-04	1.35E-05	0.000621	7.56E-08	8.21E-04	0.000164	1.03E-05	0.001337	7.81E-08	0.001512
5345	486363.09	3866377.25	0.08377	0.12196	0.09772	0.12337	1.53E-04	1E-05	0.00052	1.3E-07	0.00068	1.87E-04	1.27E-05	0.000635	7.36E-08	8.35E-04	0.000165	9.78E-06	0.001367	7.61E-08	0.001542
5346	486863.09	3866377.25	0.08449	0.1187	0.09773	0.13167	1.54E-04	1E-05	0.00052	1.4E-07	0.00068	1.89E-04	1.24E-05	0.000635	7.86E-08	8.36E-04	0.000166	9.52E-06	0.001367	8.12E-08	0.001543
5347	487363.09	3866377.25	0.08686	0.13211	0.09751	0.13164	1.58E-04	1.1E-05	0.00052	1.4E-07	0.00069	1.94E-04	1.38E-05	0.000633	7.86E-08	8.41E-04	0.000171	1.06E-05	0.001364	8.12E-08	0.001546
5348	487863.09	3866377.25	0.09373	0.12685	0.10829	0.13628	1.71E-04	1.1E-05	0.00058	1.5E-07	0.00076	2.09E-04	1.32E-05	0.000703	8.13E-08	9.26E-04	0.000185	1.02E-05	0.001515	8.4E-08	0.00171
5349	488363.09	3866377.25	0.09603	0.12806	0.11467	0.13979	1.75E-04	1.1E-05	0.00061	1.5E-07	0.0008	2.15E-04	1.34E-05	0.000745	8.34E-08	9.73E-04	0.000189	1.03E-05	0.001604	8.62E-08	0.001804
5350	488863.09	3866377.25	0.0988	0.11834	0.11855	0.15036	1.80E-04	1E-05	0.00063	1.6E-07	0.00082	2.21E-04	1.23E-05	0.00077	8.97E-08	1.00E-03	0.000195	9.49E-06	0.001658	9.27E-08	0.001863
5351	489363.09	3866377.25	0.1023	0.1307	0.12152	0.15145	1.86E-04	1.1E-05	0.00065	1.6E-07	0.00084	2.29E-04	1.36E-05	0.000789	9.04E-08	1.03E-03	0.000201	1.05E-05	0.0017	9.34E-08	0.001912
5352	489863.09	3866377.25	0.1066	0.14574	0.12084	0.15775	1.94E-04	1.2E-05	0.00064	1.7E-07	0.00085	2.38E-04	1.52E-05	0.000785	9.42E-08	1.04E-03	0.00021	1.17E-05	0.00169	9.73E-08	0.001912
5353	490363.09	3866377.25	0.10207	0.1277	0.11472	0.15135	1.86E-04	1.1E-05	0.00061	1.6E-07	0.00081	2.28E-04	1.33E-05	0.000745	9.03E-08	9.87E-04	0.000201	1.02E-05	0.001605	9.33E-08	0.001816
5354	490863.09	3866377.25	0.09641	0.13631	0.10629	0.15167	1.76E-04	1.2E-05	0.00056	1.6E-07	0.00075	2.15E-04	1.42E-05	0.00069	9.05E-08	9.20E-04	0.00019	1.09E-05	0.001487	9.35E-08	0.001688
5355	491363.09	3866377.25	0.10575	0.13791	0.11578	0.1647	1.93E-04	1.2E-05	0.00062	1.8E-07	0.00082	2.36E-04	1.44E-05	0.000752	9.83E-08	1.00E-03	0.000208	1.11E-05	0.00162	1.02E-07	0.001839
5356	491863.09	3866377.25	0.12724	0.14126	0.15021	0.15362	2.32E-04	1.2E-05	0.0008	1.6E-07	0.00104	2.84E-04	1.47E-05	0.000976	9.17E-08	1.27E-03	0.000251	1.13E-05	0.002101	9.47E-08	0.002363
5357	492363.09	3866377.25	0.1389	0.15125	0.15055	0.16708	2.53E-04	1.3E-05	0.0008	1.8E-07	0.00107	3.10E-04	1.58E-05	0.000978	9.97E-08	1.30E-03	0.000274	1.21E-05	0.002106	1.03E-07	0.002392
5358	492863.09	3866377.25	0.14267	0.16353	0.1437	0.14236	2.60E-04	1.4E-05	0.00076	1.5E-07	0.00104	3.19E-04	1.71E-05	0.000933	8.5E-08	1.27E-03	0.000281	1.31E-05	0.00201	8.78E-08	0.002304
5359	493363.09	3866377.25	0.1293	0.15777	0.13116	0.12827	2.36E-04	1.3E-05	0.0007	1.4E-07	0.00095	2.89E-04	1.65E-05	0.000852	7.66E-08	1.16E-03	0.000255	1.27E-05	0.001835	7.91E-08	0.002102
5360	493863.09	3866377.25	0.14107	0.15616	0.15246	0.16486	2.57E-04	1.3E-05	0.00081	1.8E-07	0.00108	3.15E-04	1.63E-05	0.00099	9.84E-08	1.32E-03	0.000278	1.25E-05	0.002133	1.02E-07	0.002423
5361	494363.09	3866377.25	0.13718	0.15426	0.13643	0.16895	2.50E-04	1.3E-05	0.00072	1.8E-07	0.00099	3.06E-04	1.61E-05	0.000886	1.01E-07	1.21E-03	0.00027	1.24E-05	0.001909	1.04E-07	0.002191
5362	494863.09	3866377.25	0.12247	0.14539	0.11948	0.17276	2.23E-04	1.2E-05	0.00063	1.8E-07	0.00087	2.74E-04	1.52E-05	0.000776	1.03E-07	1.06E-03	0.000241	1.17E-05	0.001671	1.07E-07	0.001924
5363	495363.09	3866377.25	0.12362	0.13858	0.11619	0.1323	2.25E-04	1.2E-05	0.00062	1.4E-07	0.00085	2.76E-04	1.45E-05	0.000755	7.9E-08	1.05E-03	0.000243	1.11E-05	0.001625	8.16E-08	0.00188
5364	495863.09	3866377.25	0.13222	0.14972	0.1352	0.14298	2.41E-04	1.3E-05	0.00072	1.5E-07	0.00097	2.95E-04	1.56E-05	0.000878	8.53E-08	1.19E-03	0.00026	1.2E-05	0.001891	8.82E-08	0.002164

5365	496363.09	3866377.25	0.14936	0.18098	0.15238	0.19772	2.72E-04	1.5E-05	0.00081	2.1E-07	0.0011	3.34E-04	1.89E-05	0.00099	1.18E-07	1.34E-03	0.000294	1.45E-05	0.002132	1.22E-07	0.00244
5366	496863.09	3866377.25	0.13494	0.15832	0.13836	0.16093	2.46E-04	1.3E-05	0.00074	1.7E-07	0.00099	3.01E-04	1.65E-05	0.000899	9.6E-08	1.22E-03	0.000266	1.27E-05	0.001936	9.92E-08	0.002214
5367	497363.09	3866377.25	0.14716	0.17093	0.1566	0.18277	2.68E-04	1.5E-05	0.00083	1.9E-07	0.00112	3.29E-04	1.78E-05	0.001017	1.09E-07	1.36E-03	0.00029	1.37E-05	0.002191	1.13E-07	0.002494
5368	497863.09	3866377.25	0.12003	0.14079	0.12357	0.1513	2.19E-04	1.2E-05	0.00066	1.6E-07	0.00089	2.68E-04	1.47E-05	0.000803	9.03E-08	1.09E-03	0.000236	1.13E-05	0.001729	9.33E-08	0.001976
5369	498363.09	3866377.25	0.11149	0.12647	0.11111	0.10959	2.03E-04	1.1E-05	0.00059	1.2E-07	0.0008	2.49E-04	1.32E-05	0.000722	6.54E-08	9.84E-04	0.00022	1.01E-05	0.001554	6.76E-08	0.001784
5370	474494.92	3848334.16	0.08893	0.0926	0.08109	0.07544	1.62E-04	7.9E-06	0.00043	8E-08	0.0006	1.99E-04	9.66E-06	0.000527	4.5E-08	7.35E-04	0.000175	7.43E-06	0.001134	4.65E-08	0.001317
5371	475167.27	3848920.79	0.10249	0.11165	0.10208	0.08018	1.87E-04	9.5E-06	0.00054	8.6E-08	0.00074	2.29E-04	1.16E-05	0.000663	4.79E-08	9.04E-04	0.000202	8.96E-06	0.001428	4.94E-08	0.001639
5372	475297.89	3848997.96	0.10397	0.1138	0.10303	0.08204	1.90E-04	9.7E-06	0.00055	8.8E-08	0.00075	2.32E-04	1.19E-05	0.000669	4.9E-08	9.13E-04	0.000205	9.13E-06	0.001441	5.06E-08	0.001655
5373	475439.05	3849062	0.10384	0.11302	0.10335	0.08459	1.89E-04	9.6E-06	0.00055	9E-08	0.00075	2.32E-04	1.18E-05	0.000671	5.05E-08	9.15E-04	0.000205	9.07E-06	0.001446	5.22E-08	0.001659
5374	475486.86	3849061.09	0.10143	0.11034	0.09812	0.0859	1.85E-04	9.4E-06	0.00052	9.2E-08	0.00072	2.27E-04	1.15E-05	0.000637	5.13E-08	8.75E-04	0.0002	8.85E-06	0.001373	5.3E-08	0.001581
5375	475538.46	3849075.56	0.1041	0.10884	0.09597	0.08735	1.90E-04	9.3E-06	0.00051	9.3E-08	0.00071	2.33E-04	1.13E-05	0.000623	5.21E-08	8.67E-04	0.000205	8.73E-06	0.001343	5.39E-08	0.001556
5376	475751.79	3849137.15	0.1119	0.11719	0.10196	0.09405	2.04E-04	1E-05	0.00054	1E-07	0.00076	2.50E-04	1.22E-05	0.000662	5.61E-08	9.24E-04	0.00022	9.4E-06	0.001426	5.8E-08	0.001656
5377	476303.62	3849223.38	0.11664	0.12399	0.12262	0.1132	2.13E-04	1.1E-05	0.00065	1.2E-07	0.00087	2.61E-04	1.29E-05	0.000796	6.76E-08	1.07E-03	0.00023	9.95E-06	0.001715	6.98E-08	0.001955
5378	476304.51	3849238.92	0.11594	0.1232	0.12218	0.11449	2.11E-04	1E-05	0.00065	1.2E-07	0.00087	2.59E-04	1.28E-05	0.000794	6.83E-08	1.07E-03	0.000228	9.88E-06	0.001709	7.06E-08	0.001947
5379	476365.04	3849247.98	0.11817	0.12617	0.12288	0.11333	2.15E-04	1.1E-05	0.00065	1.2E-07	0.00088	2.64E-04	1.32E-05	0.000798	6.76E-08	1.08E-03	0.000233	1.01E-05	0.001719	6.99E-08	0.001962
5380	476444.86	3849267.13	0.12056	0.1297	0.12488	0.11514	2.20E-04	1.1E-05	0.00066	1.2E-07	0.00089	2.69E-04	1.35E-05	0.000811	6.87E-08	1.09E-03	0.000237	1.04E-05	0.001747	7.1E-08	0.001995
5381	476550.75	3849300.66	0.12535	0.13015	0.12442	0.11519	2.28E-04	1.1E-05	0.00066	1.2E-07	0.0009	2.80E-04	1.36E-05	0.000808	6.88E-08	1.10E-03	0.000247	1.04E-05	0.001741	7.1E-08	0.001998
5382	476656.71	3849346.88	0.13172	0.1382	0.12505	0.11503	2.40E-04	1.2E-05	0.00066	1.2E-07	0.00092	2.94E-04	1.44E-05	0.000812	6.87E-08	1.12E-03	0.000259	1.11E-05	0.001749	7.09E-08	0.00202
5383	476873.55	3849454.53	0.13927	0.15208	0.13253	0.11869	2.54E-04	1.3E-05	0.0007	1.3E-07	0.00097	3.11E-04	1.59E-05	0.000861	7.08E-08	1.19E-03	0.000274	1.22E-05	0.001854	7.32E-08	0.002141
5384	477700	3849859.7	0.13691	0.15002	0.14863	0.11801	2.50E-04	1.3E-05	0.00079	1.3E-07	0.00105	3.06E-04	1.56E-05	0.000965	7.04E-08	1.29E-03	0.00027	1.2E-05	0.002079	7.28E-08	0.002361
5385	477743.16	3849856.38	0.13761	0.14482	0.14671	0.11163	2.51E-04	1.2E-05	0.00078	1.2E-07	0.00104	3.07E-04	1.51E-05	0.000953	6.66E-08	1.28E-03	0.000271	1.16E-05	0.002052	6.88E-08	0.002335
5386	478477.35	3850216.33	0.1621	0.17088	0.14621	0.11971	2.95E-04	1.5E-05	0.00078	1.3E-07	0.00109	3.62E-04	1.78E-05	0.00095	7.14E-08	1.33E-03	0.000319	1.37E-05	0.002045	7.38E-08	0.002378
5387	478485.8	3850201.6	0.16322	0.17702	0.15008	0.11828	2.98E-04	1.5E-05	0.0008	1.3E-07	0.00111	3.65E-04	1.85E-05	0.000975	7.06E-08	1.36E-03	0.000321	1.42E-05	0.002099	7.29E-08	0.002435
5388	479113.21	3850501.53	0.17433	0.18999	0.15292	0.13735	3.18E-04	1.6E-05	0.00081	1.5E-07	0.00115	3.89E-04	1.98E-05	0.000993	8.2E-08	1.40E-03	0.000343	1.52E-05	0.002139	8.47E-08	0.002498
5389	479108.11	3850382.28	0.17411	0.19099	0.14255	0.11836	3.17E-04	1.6E-05	0.00076	1.3E-07	0.00109	3.89E-04	1.99E-05	0.000926	7.06E-08	1.33E-03	0.000343	1.53E-05	0.001994	7.3E-08	0.002352
5390	479689.85	3850674.28	0.22795	0.24878	0.19971	0.14316	4.16E-04	2.1E-05	0.00106	1.5E-07	0.0015	5.09E-04	2.59E-05	0.001297	8.54E-08	1.83E-03	0.000449	2E-05	0.002794	8.83E-08	0.003263
5391	479952.42	3850774.28	0.25662	0.29507	0.2411	0.17495	4.68E-04	2.5E-05	0.00128	1.9E-07	0.00177	5.73E-04	3.08E-05	0.001566	1.04E-07	2.17E-03	0.000505	2.37E-05	0.003373	1.08E-07	0.003902
5392	479911.32	3850884.85	0.23614	0.26117	0.21018	0.1583	4.30E-04	2.2E-05	0.00112	1.7E-07	0.00157	5.27E-04	2.72E-05	0.001365	9.45E-08	1.92E-03	0.000465	2.1E-05	0.00294	9.76E-08	0.003426
5393	480500.92	3851178.12	0.28379	0.33724	0.29305	0.25946	5.17E-04	2.9E-05	0.00156	2.8E-07	0.0021	6.34E-04	3.52E-05	0.001903	1.55E-07	2.57E-03	0.000559	2.71E-05	0.004099	1.6E-07	0.004686
5394	480738.01	3851289.27	0.31313	0.38777	0.31687	0.30971	5.71E-04	3.3E-05	0.00168	3.3E-07	0.00229	6.99E-04	4.04E-05	0.002058	1.85E-07	2.80E-03	0.000617	3.11E-05	0.004433	1.91E-07	0.005081
5395	481055.42	3851443.58	0.33864	0.40369	0.35507	0.33515	6.17E-04	3.4E-05	0.00189	3.6E-07	0.00254	7.56E-04	4.21E-05	0.002306	2E-07	3.11E-03	0.000667	3.24E-05	0.004967	2.07E-07	0.005667
5396	481110.22	3851443.15	0.33777	0.39308	0.36551	0.34982	6.16E-04	3.3E-05	0.00194	3.7E-07	0.00259	7.54E-04	4.1E-05	0.002374	2.09E-07	3.17E-03	0.000665	3.15E-05	0.005113	2.16E-07	0.00581
5397	481111.1	3851417.45	0.34137	0.39176	0.36215	0.35152	6.22E-04	3.3E-05	0.00192	3.7E-07	0.00258	7.63E-04	4.09E-05	0.002352	2.1E-07	3.16E-03	0.000672	3.14E-05	0.005066	2.17E-07	0.00577
5398	482248.44	3852605.09	0.53037	0.62565	0.56995	0.51936	9.67E-04	5.3E-05	0.00303	5.5E-07	0.00405	1.18E-03	6.52E-05	0.003702	3.1E-07	4.95E-03	0.001045	5.02E-05	0.007973	3.2E-07	0.009068
5399	482273.34	3852632.31	0.5366	0.63461	0.57725	0.52533	9.78E-04	5.4E-05	0.00307	5.6E-07	0.0041	1.20E-03	6.62E-05	0.003749	3.14E-07	5.01E-03	0.001057	5.09E-05	0.008075	3.24E-07	0.009183
5400	482665.46	3853038.72	0.66111	0.78585	0.69577	0.63993	1.21E-03	6.7E-05	0.0037	6.8E-07	0.00497	1.48E-03	8.19E-05	0.004519	3.82E-07	6.08E-03	0.001302	6.3E-05	0.009733	3.95E-07	0.011099
5401	483077.95	3853844.31	1.92696	1.30987	0.90406	0.61831	3.51E-03	0.00011	0.0048	6.6E-07	0.00843	4.30E-03	0.000137	0.005872	3.69E-07	1.03E-02	0.003795	0.000105	0.012647	3.81E-07	0.016547
5402	483121.38	3853909.38	1.89707	1.40435	0.9331	0.63593	3.46E-03	0.00012	0.00496	6.8E-07	0.00854	4.24E-03	0.000146	0.006061	3.8E-07	1.04E-02	0.003736	0.000113	0.013053	3.92E-07	0.016902
5403	483492.64	3853911.49	1.43092	1.67332	1.21718	0.86298	2.61E-03	0.00014	0.00647	9.2E-07	0.00922	3.20E-03	0.000174	0.007906	5.15E-07	1.13E-02	0.002818	0.000134	0.017027	5.32E-07	0.01998
5404	483498.29	3854204.73	1.81627	2.45648	1.34687	0.70095	3.31E-03	0.00021	0.00716	7.5E-07	0.01068	4.06E-03	0.000256	0.008748	4.18E-07	1.31E-02	0.003577	0.000197	0.018841	4.32E-07	0.022616
5405	484132.44	3854662.55	3.26001	3.06087	2.43961	0.52467	5.94E-03	0.00026	0.01296	5.6E-07	0.01917	7.28E-03	0.000319	0.015846	3.13E-07	2.34E-02	0.00642	0.000246	0.034128	3.23E-07	0.040794
5406	484627.62	3854876.13	8.32645	10.80244	4.03395	0.73532	1.52E-02	0.00092	0.02143	7.8E-07	0.03753	1.86E-02	0.001126	0.026202	4.39E-07	4.59E-02	0.016399	0.000867	0.056431	4.53E-07	0.073697
5407	484756.14	3854949.04	8.08986	15.25706	7.00682	0.79554	1.47E-02	0.0013	0.03723	8.5E-07	0.05327	1.81E-02	0.001591	0.045511	4.75E-07	6.52E-02	0.015933	0.001224	0.098018	4.91E-07	0.115175
5408	486697.51	3856599.17	8.41981	2.88645	11.37921	3.32014	1.53E-02	0.00025	0.06046	3.5E-06	0.07606	1.88E-02	0.000301	0.073911	1.98E-06	9.30E-02	0.016583	0.000232	0.159184	2.05E-06	0.176
5409	487105.31	3856962.27	8.08298	7.09214	11.1742	4.22265	1.47E-02	0.0006	0.05937	4.5E-06	0.07471	1.81E-02	0.00074	0.07258	2.52E-06	9.14E-02	0.015919	0.000569	0.156316	2.6E-06	0.172807
5410	487157.57	3856901.7	6.38799	5.58524	8.75564	3.50485	1.16E-02	0.00048	0.04652	3.7E-06	0.05864	1.43E-02	0.000582	0.05687	2.09E-06	7.17E-02	0.012581	0.000448	0.122483	2.16E-06	0.135514
5411	487173.5	3856853.74	5.77973	4.66203	7.86902	3.20809	1.05E-02	0.0004	0.04181	3.4E-06	0.05275	1.29E-02	0.000486	0.051112	1.91E-06	6.45E-02	0.011383	0.000374	0.11008	1.98E-06	0.121839
5412	487564.41	3856860.83	3.64783	4.02917	5.08581	2.73998	6.65E-03	0.00034	0.02702	2.9E-06	0.03402	8.15E-03	0.00042	0.033034	1.64E-06	4.16E-02	0.007184	0.000323	0.071145	1.69E-06	0.078655
5413	487563.31	3856931.58	3.6828	5.26587	5.39719	2.97967	6.71E-03	0.00045	0.02868	3.2E-06	0.03584	8.23E-03	0.000549	0.035056	1.78E-06	4.38E-02	0.007253	0.000422	0.075501	1.84E-06	0.083179
5414	487782.7	3856926.85	3.00718	4.88907	4.29157	2.76789	5.48E-03	0.00042	0.0228	3E-06	0.0287	6.72E-03	0.00051	0.027875	1.65E-06	3.51E-02	0.005923	0.000392	0.060035	1.71E-06	0.066351
5415	487782.39	3856757.07	2.89485	3.15362	3.92379	2.32085	5.28E-03	0.00027	0.02085	2.5E-06	0.0264	6.47E-03	0.000329	0.025486	1.39E-06	3.23E-02	0.005701	0.000253	0.05489	1.43E-06	0.060846
5416	487917.26	3856752.41	2.62099	3.0205	3.51462	2.2848	4.78E-03	0.00026	0.01867	2.4E-06	0.02371	5.85E-03	0.000315	0.022828	1.36E-06	2.90E-02	0.005162	0.000242	0.049166	1.41E-06	0.054572
5417	487919.57	3856953.35	2.7003	5.14404	3.81447	2.74753	4.92E-03	0.00044	0.02027	2.9E-06	0.02563	6.03E-03	0.000536	0.024776	1.64E-06	3.13E-02	0.005318	0.000413	0.053361	1.69E-06	0.059093
5418	487932.76	3857000.32	2.69156	5.95383	3.81549	2.81644	4.91E-03	0.00051	0.02027	3E-06	0.02569	6.01E-03	0.000621	0.024783	1.68E-06	3.14E-02	0.005301	0.000478	0.053375	1.74E-06	0.059155
5419	487960.5	3857044.75	2.66478	6.58468	3.7311	2.88384	4.86E-03	0.00056	0.01982	3.1E-06	0.02524	5.95E-03	0.000687	0.024235	1.72E-06	3.09E-02	0.005248	0.000528	0.052194	1.78E-06	0.057973
5420	488016.54	3857089.54	2.58599	7.22104	3.5154	2.94015	4.71E-03	0.00061	0.01868	3.1E-06	0.02401	5.78E-03	0.000753	0.022834	1.75E-06	2.94E-02	0.005093	0.000579	0.049177	1.81E-06	0.054851
5421	488114.39	3857165.47	2.45285	7.55374	3.23051	3.08031	4.47E-03	0.00064	0.01716	3.3E-06	0.02228	5.48E-03	0.000788	0.020983	1.84E-06	2.73E-02	0.004831	0.000606	0.045192	1.9E-06	0.05063
5422	488171.49	3857234.24	2.38886	7.61139	3.01641	3.26031	4.35E-03	0.00065	0.01603	3.5E-06	0.02103	5.34E-03	0.000794	0.019592	1.95E-06	2.57E-02	0.004705	0.000611	0.042197	2.01E-06	0.047514
5423	488193.16	3857297.8	2.37336	7.7209	2.84115	3.50585	4.33E-03	0.00066	0.0151	3.7E-06	0.02008	5.30E-03	0.000805	0.018454	2.09E-06	2.46E-02	0.004674	0.000619	0.039745	2.16E-06	0.045041
5424	488189.27	3857649.94	2.7033	5.11552	2.49323	5.36393	4.93E-03	0.00044	0.01325	5.7E-06	0.01862	6.04E-03	0.000533	0.016194	3.2E-06	2.28E-02	0.005324	0.00041	0.034878	3.31E-06	0.040616
5425	488127.43	3857732.32	2.95249	4.9242	2.43865	6.17627	5.38E-03	0.00042	0.01296	6.6E-06	0.01876	6.60E-03	0.000513	0.01584	3.69E-06	2.30E-02	0.005815	0.000395	0.034114	3.81E-06	0.040328

5426	488149.93	3857752.94	2.89715	4.69811	2.31479	6.14554	5.28E-03	0.0004	0.0123	6.6E-06	0.01799	6.47E-03	0.00049	0.015035	3.67E-06	2.20E-02	0.005706	0.000377	0.032382	3.79E-06	0.038468
5427	488144.76	3857758.71	2.91401	4.67856	2.30134	6.19085	5.31E-03	0.0004	0.01223	6.6E-06	0.01794	6.51E-03	0.000488	0.014948	3.69E-06	2.19E-02	0.005739	0.000375	0.032193	3.82E-06	0.038312
5428	488335.58	3857932.55	2.17538	3.13472	1.68776	6.44793	3.97E-03	0.00027	0.00897	6.9E-06	0.01321	4.86E-03	0.000327	0.010962	3.85E-06	1.62E-02	0.004284	0.000251	0.02361	3.98E-06	0.02815
5429	488372.29	3857943.79	2.09657	3.04193	1.64126	6.09445	3.82E-03	0.00026	0.00872	6.5E-06	0.01281	4.68E-03	0.000317	0.01066	3.64E-06	1.57E-02	0.004129	0.000244	0.02296	3.76E-06	0.027336
5430	488828.64	3857936.4	1.54077	2.42658	1.36948	3.57343	2.81E-03	0.00021	0.00728	3.8E-06	0.0103	3.44E-03	0.000253	0.008895	2.13E-06	1.26E-02	0.003034	0.000195	0.019158	2.2E-06	0.022389
5431	488829.08	3857959.58	1.54168	2.36581	1.35024	3.53105	2.81E-03	0.0002	0.00717	3.8E-06	0.01019	3.44E-03	0.000247	0.00877	2.11E-06	1.25E-02	0.003036	0.00019	0.018889	2.18E-06	0.022117
5432	488351.61	3857964.55	2.11776	2.96876	1.65317	6.32991	3.86E-03	0.00025	0.00878	6.8E-06	0.0129	4.73E-03	0.00031	0.010738	3.78E-06	1.58E-02	0.004171	0.000238	0.023126	3.9E-06	0.027539
5433	488316.87	3857947.65	2.19496	3.10572	1.70156	6.70408	4.00E-03	0.00026	0.00904	7.2E-06	0.01331	4.90E-03	0.000324	0.011052	4E-06	1.63E-02	0.004323	0.000249	0.023803	4.13E-06	0.028379
5434	488129.1	3857775.77	2.96077	4.6479	2.2931	6.38603	5.40E-03	0.0004	0.01218	6.8E-06	0.01798	6.61E-03	0.000485	0.014894	3.81E-06	2.20E-02	0.005831	0.000373	0.032078	3.94E-06	0.038286
5435	488062.53	3857846.13	3.08135	4.11771	2.26108	7.75174	5.62E-03	0.00035	0.01201	8.3E-06	0.01799	6.88E-03	0.000429	0.014686	4.63E-06	2.20E-02	0.006069	0.00033	0.03163	4.78E-06	0.038034
5436	488330.41	3858091.34	2.16544	2.55688	1.45455	5.55355	3.95E-03	0.00022	0.00773	5.9E-06	0.0119	4.84E-03	0.000267	0.009448	3.31E-06	1.46E-02	0.004265	0.000205	0.020348	3.42E-06	0.024821
5437	488470.87	3858174.45	1.96729	2.20509	1.3041	3.98798	3.59E-03	0.00019	0.00693	4.3E-06	0.01071	4.39E-03	0.00023	0.008471	2.38E-06	1.31E-02	0.003875	0.000177	0.018243	2.46E-06	0.022297
5438	488568.9	3858262.31	1.90387	1.90924	1.15849	3.16237	3.47E-03	0.00016	0.00616	3.4E-06	0.00979	4.25E-03	0.000199	0.007525	1.89E-06	1.20E-02	0.00375	0.000153	0.016206	1.95E-06	0.020111
5439	488964.27	3858025.71	1.41644	2.07721	1.23868	2.94452	2.58E-03	0.00018	0.00658	3.1E-06	0.00934	3.16E-03	0.000217	0.008046	1.76E-06	1.14E-02	0.00279	0.000167	0.017328	1.82E-06	0.020286
5440	489147.25	3857956.64	1.35402	2.06574	1.21752	2.67551	2.47E-03	0.00018	0.00647	2.9E-06	0.00912	3.02E-03	0.000215	0.007908	1.6E-06	1.11E-02	0.002667	0.000166	0.017032	1.65E-06	0.019866
5441	489343.52	3857932.45	1.25933	1.99876	1.14048	2.32593	2.30E-03	0.00017	0.00606	2.5E-06	0.00853	2.81E-03	0.000208	0.007408	1.39E-06	1.04E-02	0.00248	0.00016	0.015954	1.43E-06	0.018596
5442	489866.19	3857923.19	1.04329	1.67356	0.97489	1.67389	1.90E-03	0.00014	0.00518	1.8E-06	0.00723	2.33E-03	0.000175	0.006332	9.99E-07	8.84E-03	0.002055	0.000134	0.013638	1.03E-06	0.015828
5443	489955.65	3857902.27	1.01865	1.65116	0.94905	1.58817	1.86E-03	0.00014	0.00504	1.7E-06	0.00704	2.28E-03	0.000172	0.006164	9.48E-07	8.61E-03	0.002006	0.000132	0.013276	9.79E-07	0.015416
5444	490079.44	3857847.9	0.99165	1.63402	0.95392	1.5557	1.81E-03	0.00014	0.00507	1.7E-06	0.00702	2.22E-03	0.00017	0.006196	9.29E-07	8.58E-03	0.001953	0.000131	0.013344	9.59E-07	0.015429
5445	490108.49	3857934.13	0.96908	1.53396	0.90548	1.48471	1.77E-03	0.00013	0.00481	1.6E-06	0.00671	2.16E-03	0.00016	0.005881	8.86E-07	8.21E-03	0.001909	0.000123	0.012667	9.15E-07	0.014699
5446	489884.48	3858014.17	1.02372	1.59252	0.93863	1.64328	1.87E-03	0.00014	0.00499	1.8E-06	0.00699	2.29E-03	0.000166	0.006097	9.81E-07	8.55E-03	0.002016	0.000128	0.01313	1.01E-06	0.015275
5447	489326.56	3858025.86	1.24733	1.81134	1.14154	2.27812	2.27E-03	0.00015	0.00607	2.4E-06	0.0085	2.79E-03	0.000189	0.007415	1.36E-06	1.04E-02	0.002457	0.000145	0.015969	1.4E-06	0.018572
5448	489130.38	3858056.71	1.31595	1.95288	1.15149	2.57366	2.40E-03	0.00017	0.00612	2.7E-06	0.00869	2.94E-03	0.000204	0.007479	1.54E-06	1.06E-02	0.002592	0.000157	0.016108	1.59E-06	0.018858
5449	488936.49	3858143.93	1.41351	1.94164	1.17605	2.76467	2.58E-03	0.00017	0.00625	2.9E-06	0.00899	3.16E-03	0.000202	0.007639	1.65E-06	1.10E-02	0.002784	0.000156	0.016452	1.7E-06	0.019393
5450	488638.08	3858327.45	1.8737	1.77604	1.11299	2.83551	3.42E-03	0.00015	0.00591	3E-06	0.00948	4.19E-03	0.000185	0.007229	1.69E-06	1.16E-02	0.00369	0.000142	0.01557	1.75E-06	0.019404
5451	488663.79	3858349.57	1.86114	1.73859	1.09857	2.71236	3.39E-03	0.00015	0.00584	2.9E-06	0.00938	4.16E-03	0.000181	0.007136	1.62E-06	1.15E-02	0.003665	0.000139	0.015368	1.67E-06	0.019174
5452	488694.56	3858349.5	1.81572	1.71866	1.072	2.66724	3.31E-03	0.00015	0.0057	2.8E-06	0.00915	4.06E-03	0.000179	0.006963	1.59E-06	1.12E-02	0.003576	0.000138	0.014996	1.64E-06	0.018712
5453	488694.35	3858336.75	1.79253	1.74229	1.09157	2.68592	3.27E-03	0.00015	0.0058	2.9E-06	0.00922	4.00E-03	0.000182	0.00709	1.6E-06	1.13E-02	0.00353	0.00014	0.01527	1.66E-06	0.018942
5454	488712.81	3858336.38	1.76188	1.75102	1.11042	2.65915	3.21E-03	0.00015	0.0059	2.8E-06	0.00926	3.94E-03	0.000183	0.007213	1.59E-06	1.13E-02	0.00347	0.00014	0.015534	1.64E-06	0.019146
5455	488713.23	3858367.46	1.81035	1.68966	1.05352	2.58834	3.30E-03	0.00014	0.0056	2.8E-06	0.00904	4.04E-03	0.000176	0.006843	1.54E-06	1.11E-02	0.003565	0.000136	0.014738	1.6E-06	0.01844
5456	488704.63	3858384.05	1.84396	1.67678	1.0716	2.56042	3.36E-03	0.00014	0.00569	2.7E-06	0.0092	4.12E-03	0.000175	0.00696	1.53E-06	1.13E-02	0.003632	0.000135	0.014991	1.58E-06	0.018758
5457	488604.15	3858488.29	2.41458	1.58707	1.03061	2.60564	4.40E-03	0.00014	0.00548	2.8E-06	0.01002	5.39E-03	0.000165	0.006694	1.56E-06	1.23E-02	0.004755	0.000127	0.014417	1.61E-06	0.019302
5458	488605.66	3858550.47	2.81925	1.51697	0.9799	2.38477	5.14E-03	0.00013	0.00521	2.5E-06	0.01048	6.30E-03	0.000158	0.006365	1.42E-06	1.28E-02	0.005552	0.000122	0.013708	1.47E-06	0.019383
5459	488692.68	3858548.71	2.33162	1.48654	0.9901	2.34246	4.25E-03	0.00013	0.00526	2.5E-06	0.00964	5.21E-03	0.000155	0.006431	1.4E-06	1.18E-02	0.004592	0.000119	0.013851	1.44E-06	0.018563
5460	488759.93	3858461.81	1.87239	1.52334	1.0137	2.31822	3.41E-03	0.00013	0.00539	2.5E-06	0.00893	4.18E-03	0.000159	0.006584	1.38E-06	1.09E-02	0.003688	0.000122	0.014181	1.43E-06	0.017992
5461	488816.57	3858541.79	1.92094	1.42729	0.945	2.0503	3.50E-03	0.00012	0.00502	2.2E-06	0.00865	4.29E-03	0.000149	0.006138	1.22E-06	1.06E-02	0.003783	0.000114	0.01322	1.26E-06	0.017119
5462	488944.63	3858656.77	1.89964	1.31743	0.87005	1.76914	3.46E-03	0.00011	0.00462	1.9E-06	0.0082	4.24E-03	0.000137	0.005651	1.06E-06	1.00E-02	0.003741	0.000106	0.012171	1.09E-06	0.016019
5463	489134.91	3858830.7	1.62818	1.15273	0.79219	1.53248	2.97E-03	9.8E-05	0.00421	1.6E-06	0.00728	3.64E-03	0.00012	0.005146	9.15E-07	8.90E-03	0.003207	9.25E-05	0.011082	9.45E-07	0.014382
5464	489193.99	3858886.05	1.36039	1.10224	0.77436	1.46317	2.48E-03	9.4E-05	0.00411	1.6E-06	0.00669	3.04E-03	0.000115	0.00503	8.73E-07	8.18E-03	0.002679	8.84E-05	0.010833	9.02E-07	0.013601
5465	489295.2	3858954.34	1.15881	1.04725	0.72639	1.36069	2.11E-03	8.9E-05	0.00386	1.5E-06	0.00606	2.59E-03	0.000109	0.004718	8.12E-07	7.42E-03	0.002282	8.4E-05	0.010161	8.39E-07	0.012529
5466	489295.64	3858992.74	1.08014	1.04488	0.74564	1.37328	1.97E-03	8.9E-05	0.00396	1.5E-06	0.00602	2.41E-03	0.000109	0.004843	8.2E-07	7.37E-03	0.002127	8.38E-05	0.010431	8.47E-07	0.012643
5467	489183.74	3858911.72	1.35187	1.11848	0.79184	1.50243	2.46E-03	9.5E-05	0.00421	1.6E-06	0.00677	3.02E-03	0.000117	0.005143	8.97E-07	8.28E-03	0.002662	8.97E-05	0.011077	9.26E-07	0.01383
5468	488873.37	3858625.59	2.0013	1.36145	0.91043	1.97766	3.65E-03	0.00012	0.00484	2.1E-06	0.0086	4.47E-03	0.000142	0.005914	1.18E-06	1.05E-02	0.003941	0.000109	0.012736	1.22E-06	0.016788
5469	488842.84	3858658.69	2.23538	1.35483	0.92035	1.98931	4.07E-03	0.00012	0.00489	2.1E-06	0.00908	4.99E-03	0.000141	0.005978	1.19E-06	1.11E-02	0.004403	0.000109	0.012875	1.23E-06	0.017387
5470	488856.39	3858670.93	2.2319	1.3454	0.91456	1.961	4.07E-03	0.00011	0.00486	2.1E-06	0.00904	4.99E-03	0.00014	0.00594	1.17E-06	1.11E-02	0.004396	0.000108	0.012794	1.21E-06	0.017299
5471	488805.7	3858724.5	2.91946	1.31145	0.87677	1.88832	5.32E-03	0.00011	0.00466	2E-06	0.01009	6.52E-03	0.000137	0.005695	1.13E-06	1.24E-02	0.00575	0.000105	0.012265	1.16E-06	0.018121
5472	488805.87	3858804.16	4.39129	1.25211	0.8853	1.82414	8.00E-03	0.00011	0.0047	1.9E-06	0.01282	9.81E-03	0.000131	0.00575	1.09E-06	1.57E-02	0.008649	0.0001	0.012384	1.12E-06	0.021135
5473	488995.78	3858936.96	1.77221	1.12438	0.82245	1.58264	3.23E-03	9.6E-05	0.00437	1.7E-06	0.0077	3.96E-03	0.000117	0.005342	9.45E-07	9.42E-03	0.00349	9.02E-05	0.011505	9.76E-07	0.015087
5474	489130.76	3859017.38	1.23172	1.04315	0.75494	1.42076	2.25E-03	8.9E-05	0.00401	1.5E-06	0.00635	2.75E-03	0.000109	0.004904	8.48E-07	7.76E-03	0.002426	8.37E-05	0.010561	8.76E-07	0.013071
5475	489130.92	3859052.24	1.20503	1.03556	0.77018	1.441	2.20E-03	8.8E-05	0.00409	1.5E-06	0.00638	2.69E-03	0.000108	0.005003	8.6E-07	7.80E-03	0.002373	8.31E-05	0.010774	8.88E-07	0.013231
5476	489200.33	3859090.6	1.08912	1.00222	0.73948	1.35153	1.99E-03	8.5E-05	0.00393	1.4E-06	0.006	2.43E-03	0.000105	0.004803	8.07E-07	7.34E-03	0.002145	8.04E-05	0.010345	8.33E-07	0.012571
5477	489296.07	3859143.7	0.97307	0.95762	0.69808	1.26979	1.77E-03	8.1E-05	0.00371	1.4E-06	0.00557	2.17E-03	9.99E-05	0.004534	7.58E-07	6.81E-03	0.001916	7.68E-05	0.009765	7.83E-07	0.011759
5478	489296.43	3858954.74	1.15691	1.04665	0.72607	1.3592	2.11E-03	8.9E-05	0.00386	1.4E-06	0.00606	2.58E-03	0.000109	0.004716	8.11E-07	7.41E-03	0.002278	8.4E-05	0.010157	8.38E-07	0.01252
5479	489410.33	3859033.19	0.96582	0.982	0.69306	1.25268	1.76E-03	8.4E-05	0.00368	1.3E-06	0.00553	2.16E-03	0.000102	0.004502	7.48E-07	6.76E-03	0.001902	7.88E-05	0.009695	7.72E-07	0.011677
5480	489371.37	3859089.8	0.92075	0.97156	0.71384	1.26733	1.68E-03	8.3E-05	0.00379	1.4E-06	0.00556	2.06E-03	0.000101	0.004637	7.56E-07	6.80E-03	0.001813	7.79E-05	0.009986	7.81E-07	0.011878
5481	489390.52	3859102.82	0.90791	0.96377	0.70961	1.25443	1.65E-03	8.2E-05	0.00377	1.3E-06	0.00551	2.03E-03	0.0001	0.004609	7.49E-07	6.74E-03	0.001788	7.73E-05	0.009927	7.73E-07	0.011793
5482	489382.3	3859114.53	0.91522	0.95271	0.70287	1.25146	1.67E-03	8.1E-05	0.00373	1.3E-06	0.00549	2.04E-03	9.93E-05	0.004565	7.47E-07	6.71E-03	0.001802	7.64E-05	0.009832	7.72E-07	0.011712
5483	489363.04	3859102.45	0.93203	0.96035	0.70853	1.26837	1.70E-03	8.2E-05	0.00376	1.4E-06	0.00555	2.08E-03	0.0001	0.004602	7.57E-07	6.78E-03	0.001836	7.7E-05	0.009912	7.82E-07	0.011825
5484	489337.52	3859140.71	0.95499	0.95046	0.69729	1.26738	1.74E-03	8.1E-05	0.0037	1.4E-06	0.00553	2.13E-03	9.91E-05	0.004529	7.56E-07	6.76E-03	0.001881	7.62E-05	0.009754	7.81E-07	0.011712
5485	489375.14	3859164.55	0.92169	0.93634	0.68693	1.24061	1.68E-03	8E-05	0.00365	1.3E-06	0.00541	2.06E-03	9.76E-05	0.004462	7.4E-07	6.62E-03	0.001815	7.51E-05	0.009609	7.65E-07	0.011501
5486	489409.3	3859114.5	0.89564	0.95858	0.70633	1.24228	1.63E-03	8.2E-05	0.00375	1.3E-06	0.00547	2.00E-03	1E-04	0.004588	7.41E-07	6.69E-03	0.001764	7.69E-05	0.009881	7.66E-07	0.011722

5487	489434.87	3859131.81	0.87958	0.9485	0.699	1.22062	1.60E-03	8.1E-05	0.00371	1.3E-06	0.0054	1.96E-03	9.89E-05	0.00454	7.29E-07	6.60E-03	0.001732	7.61E-05	0.009778	7.53E-07	0.011587
5488	489471.87	3859075.75	0.89889	0.95064	0.68226	1.20961	1.64E-03	8.1E-05	0.00362	1.3E-06	0.00535	2.01E-03	9.91E-05	0.004431	7.22E-07	6.54E-03	0.00177	7.63E-05	0.009544	7.46E-07	0.011391
5489	489602.62	3859164.69	0.78086	0.88875	0.66177	1.1306	1.42E-03	7.6E-05	0.00352	1.2E-06	0.00502	1.74E-03	9.27E-05	0.004298	6.75E-07	6.14E-03	0.001538	7.13E-05	0.009257	6.97E-07	0.010867
5490	489558.29	3859232.45	0.80411	0.88318	0.66059	1.12675	1.47E-03	7.5E-05	0.00351	1.2E-06	0.00505	1.80E-03	9.21E-05	0.004291	6.72E-07	6.18E-03	0.001584	7.08E-05	0.009241	6.95E-07	0.010896
5491	489620.11	3859273.56	0.77255	0.85512	0.6432	1.08299	1.41E-03	7.3E-05	0.00342	1.2E-06	0.0049	1.73E-03	8.92E-05	0.004178	6.46E-07	5.99E-03	0.001522	6.86E-05	0.008998	6.68E-07	0.010588
5492	489666.06	3859206.42	0.74415	0.86536	0.6492	1.07947	1.36E-03	7.4E-05	0.00345	1.2E-06	0.00488	1.66E-03	9.02E-05	0.004217	6.44E-07	5.97E-03	0.001466	6.94E-05	0.009082	6.66E-07	0.010617
5493	489787.9	3859285.65	0.69544	0.82108	0.62313	1.00123	1.27E-03	7E-05	0.00331	1.1E-06	0.00465	1.55E-03	8.56E-05	0.004047	5.98E-07	5.69E-03	0.00137	6.59E-05	0.008717	6.17E-07	0.010153
5494	489752.17	3859343.13	0.70685	0.81328	0.60553	0.99569	1.29E-03	6.9E-05	0.00322	1.1E-06	0.00458	1.58E-03	8.48E-05	0.003933	5.94E-07	5.60E-03	0.001392	6.52E-05	0.008471	6.14E-07	0.009929
5495	489814.94	3859385.33	0.67269	0.7882	0.58319	0.96782	1.23E-03	6.7E-05	0.0031	1E-06	0.00439	1.50E-03	8.22E-05	0.003788	5.78E-07	5.37E-03	0.001325	6.32E-05	0.008158	5.97E-07	0.009547
5496	489853.42	3859330.74	0.67198	0.79533	0.60488	0.96615	1.22E-03	6.8E-05	0.00321	1E-06	0.00451	1.50E-03	8.29E-05	0.003929	5.77E-07	5.51E-03	0.001323	6.38E-05	0.008462	5.96E-07	0.00985
5497	489969.5	3859401.91	0.64235	0.74982	0.5764	0.9164	1.17E-03	6.4E-05	0.00306	9.8E-07	0.0043	1.43E-03	7.82E-05	0.003744	5.47E-07	5.26E-03	0.001265	6.01E-05	0.008063	5.65E-07	0.009389
5498	490166.91	3859486.96	0.5853	0.69523	0.52264	0.86595	1.07E-03	5.9E-05	0.00278	9.2E-07	0.0039	1.31E-03	7.25E-05	0.003395	5.17E-07	4.78E-03	0.001153	5.58E-05	0.007311	5.34E-07	0.00852
5499	490128.86	3859571.46	0.55672	0.69392	0.53668	0.87857	1.01E-03	5.9E-05	0.00285	9.4E-07	0.00393	1.24E-03	7.24E-05	0.003486	5.24E-07	4.80E-03	0.001096	5.57E-05	0.007508	5.42E-07	0.00866
5500	490186.65	3859593.65	0.55073	0.67971	0.52613	0.84001	1.00E-03	5.8E-05	0.0028	9E-07	0.00386	1.23E-03	7.09E-05	0.003417	5.01E-07	4.72E-03	0.001085	5.45E-05	0.00736	5.18E-07	0.0085
5501	490223.74	3859517.48	0.56898	0.68796	0.51172	0.85132	1.04E-03	5.9E-05	0.00272	9.1E-07	0.00382	1.27E-03	7.17E-05	0.003324	5.08E-07	4.67E-03	0.001121	5.52E-05	0.007158	5.25E-07	0.008335
5502	490846.34	3859817.22	0.46752	0.5908	0.46976	0.71007	8.52E-04	5E-05	0.0025	7.6E-07	0.0034	1.04E-03	6.16E-05	0.003051	4.24E-07	4.16E-03	0.000921	4.74E-05	0.006571	4.38E-07	0.00754
5503	490925.65	3859844.59	0.45636	0.57194	0.46847	0.70854	8.32E-04	4.9E-05	0.00249	7.6E-07	0.00337	1.02E-03	5.96E-05	0.003043	4.23E-07	4.12E-03	0.000899	4.59E-05	0.006553	4.37E-07	0.007499
5504	491159.29	3859896.28	0.43794	0.55672	0.43621	0.65927	7.98E-04	4.7E-05	0.00232	7E-07	0.00316	9.78E-04	5.81E-05	0.002833	3.93E-07	3.87E-03	0.000863	4.47E-05	0.006102	4.06E-07	0.00701
5505	491370.69	3859960.89	0.41038	0.53212	0.41248	0.63407	7.48E-04	4.5E-05	0.00219	6.8E-07	0.00299	9.17E-04	5.55E-05	0.002679	3.78E-07	3.65E-03	0.000808	4.27E-05	0.00577	3.91E-07	0.006621
5506	491330.28	3860063.17	0.40303	0.50173	0.40652	0.61849	7.35E-04	4.3E-05	0.00216	6.6E-07	0.00294	9.00E-04	5.23E-05	0.00264	3.69E-07	3.59E-03	0.000794	4.02E-05	0.005687	3.81E-07	0.006521
5507	491636.45	3860180.75	0.37635	0.46957	0.37609	0.57629	6.86E-04	4E-05	0.002	6.1E-07	0.00272	8.41E-04	4.9E-05	0.002443	3.44E-07	3.33E-03	0.000741	3.77E-05	0.005261	3.55E-07	0.00604
5508	491617.94	3860203.93	0.37581	0.46418	0.37222	0.56422	6.85E-04	3.9E-05	0.00198	6E-07	0.0027	8.39E-04	4.84E-05	0.002418	3.37E-07	3.31E-03	0.00074	3.72E-05	0.005207	3.48E-07	0.005985
5509	491805.68	3860271.59	0.35595	0.45271	0.36115	0.55334	6.49E-04	3.9E-05	0.00192	5.9E-07	0.00261	7.95E-04	4.72E-05	0.002346	3.3E-07	3.19E-03	0.000701	3.63E-05	0.005052	3.41E-07	0.00579
5510	491654.23	3860414.02	0.34676	0.43638	0.35301	0.54099	6.32E-04	3.7E-05	0.00188	5.8E-07	0.00255	7.75E-04	4.55E-05	0.002293	3.23E-07	3.11E-03	0.000683	3.5E-05	0.004938	3.34E-07	0.005657
5511	491592.62	3860510.76	0.33036	0.40813	0.32241	0.5116	6.02E-04	3.5E-05	0.00171	5.5E-07	0.00235	7.38E-04	4.26E-05	0.002094	3.05E-07	2.87E-03	0.000651	3.27E-05	0.00451	3.15E-07	0.005194
5512	491475.41	3860368.93	0.34835	0.42431	0.34605	0.53341	6.35E-04	3.6E-05	0.00184	5.7E-07	0.00251	7.78E-04	4.42E-05	0.002248	3.18E-07	3.07E-03	0.000686	3.4E-05	0.004841	3.29E-07	0.005561
5513	491445.61	3860337.28	0.35184	0.433	0.35203	0.54502	6.41E-04	3.7E-05	0.00187	5.8E-07	0.00255	7.86E-04	4.52E-05	0.002287	3.25E-07	3.12E-03	0.000693	3.47E-05	0.004925	3.36E-07	0.005653
5514	491399.05	3860300.37	0.35767	0.44213	0.35939	0.55672	6.52E-04	3.8E-05	0.00191	5.9E-07	0.0026	7.99E-04	4.61E-05	0.002334	3.32E-07	3.18E-03	0.000704	3.55E-05	0.005028	3.43E-07	0.005768
5515	491228.84	3860235.98	0.37131	0.45812	0.35873	0.5701	6.77E-04	3.9E-05	0.00191	6.1E-07	0.00262	8.29E-04	4.78E-05	0.00233	3.4E-07	3.21E-03	0.000731	3.67E-05	0.005018	3.52E-07	0.005787
5516	491228.47	3860174.57	0.38039	0.47073	0.3817	0.59304	6.93E-04	4E-05	0.00203	6.3E-07	0.00276	8.50E-04	4.91E-05	0.002479	3.54E-07	3.38E-03	0.000749	3.78E-05	0.00534	3.66E-07	0.006127
5517	491145.77	3860112.55	0.39553	0.48874	0.39568	0.61396	7.21E-04	4.2E-05	0.0021	6.5E-07	0.00287	8.84E-04	5.1E-05	0.00257	3.66E-07	3.50E-03	0.000779	3.92E-05	0.005535	3.79E-07	0.006354
5518	490844.41	3859966.22	0.44004	0.53706	0.41432	0.66334	8.02E-04	4.6E-05	0.0022	7.1E-07	0.00305	9.83E-04	5.6E-05	0.002691	3.96E-07	3.73E-03	0.000867	4.31E-05	0.005796	4.09E-07	0.006706
5519	490845.55	3859928.15	0.44627	0.54806	0.4252	0.66452	8.13E-04	4.7E-05	0.00226	7.1E-07	0.00312	9.97E-04	5.72E-05	0.002762	3.97E-07	3.82E-03	0.000879	4.4E-05	0.005948	4.1E-07	0.006871
5520	490046.91	3859625.6	0.57567	0.67946	0.52717	0.86195	1.05E-03	5.8E-05	0.0028	9.2E-07	0.00391	1.29E-03	7.09E-05	0.003424	5.14E-07	4.78E-03	0.001134	5.45E-05	0.007375	5.31E-07	0.008563
5521	489970.48	3859589.4	0.60917	0.70096	0.5454	0.90927	1.11E-03	6E-05	0.0029	9.7E-07	0.00407	1.36E-03	7.31E-05	0.003543	5.43E-07	4.98E-03	0.0012	5.62E-05	0.00763	5.61E-07	0.008886
5522	489865.89	3859529.06	0.65007	0.74359	0.56507	0.94138	1.18E-03	6.3E-05	0.003	1E-06	0.00425	1.45E-03	7.75E-05	0.00367	5.62E-07	5.20E-03	0.00128	5.96E-05	0.007905	5.8E-07	0.009245
5523	489826.89	3859531.74	0.66431	0.74616	0.57185	0.95355	1.21E-03	6.3E-05	0.00304	1E-06	0.00431	1.48E-03	7.78E-05	0.003714	5.69E-07	5.28E-03	0.001308	5.99E-05	0.008	5.88E-07	0.009368
5524	489410.47	3859303.06	0.86708	0.88578	0.67897	1.19867	1.58E-03	7.5E-05	0.00361	1.3E-06	0.00526	1.94E-03	9.24E-05	0.00441	7.15E-07	6.44E-03	0.001708	7.11E-05	0.009498	7.39E-07	0.011278
5525	489407.15	3859286.09	0.88771	0.89054	0.67777	1.19888	1.62E-03	7.6E-05	0.0036	1.3E-06	0.0053	1.98E-03	9.29E-05	0.004402	7.16E-07	6.48E-03	0.001748	7.14E-05	0.009481	7.39E-07	0.011302
5526	488806.07	3858963.62	1.65432	1.18643	0.83994	1.66228	3.02E-03	0.0001	0.00446	1.8E-06	0.00758	3.70E-03	0.000124	0.005456	9.92E-07	9.28E-03	0.003258	9.52E-05	0.01175	1.02E-06	0.015104
5527	488817.64	3859546.3	0.6659	0.81637	0.58396	1.00797	1.21E-03	6.9E-05	0.0031	1.1E-06	0.00439	1.49E-03	8.51E-05	0.003793	6.02E-07	5.37E-03	0.001311	6.55E-05	0.008169	6.21E-07	0.009547
5528	489187.25	3859549.52	0.72181	0.81544	0.61204	1.05656	1.32E-03	6.9E-05	0.00325	1.1E-06	0.00464	1.61E-03	8.5E-05	0.003975	6.31E-07	5.67E-03	0.001422	6.54E-05	0.008562	6.51E-07	0.010049
5529	489187.66	3859523.74	0.73787	0.80874	0.61721	1.06201	1.35E-03	6.9E-05	0.00328	1.1E-06	0.00469	1.65E-03	8.43E-05	0.004009	6.34E-07	5.74E-03	0.001453	6.49E-05	0.008634	6.55E-07	0.010153
5530	489232.59	3859522.85	0.76134	0.7956	0.6238	1.07927	1.39E-03	6.8E-05	0.00331	1.2E-06	0.00477	1.70E-03	8.3E-05	0.004052	6.44E-07	5.84E-03	0.001499	6.38E-05	0.008726	6.65E-07	0.01029
5531	489224.98	3859759.91	0.59355	0.6861	0.52393	0.91097	1.08E-03	5.8E-05	0.00278	9.7E-07	0.00393	1.33E-03	7.15E-05	0.003403	5.44E-07	4.80E-03	0.001169	5.5E-05	0.007329	5.62E-07	0.008554
5532	488401.39	3859763.34	0.53198	0.6583	0.51704	0.74893	9.70E-04	5.6E-05	0.00275	8E-07	0.00377	1.19E-03	6.86E-05	0.003358	4.47E-07	4.62E-03	0.001048	5.28E-05	0.007233	4.62E-07	0.008334
5533	488405.51	3859966.16	0.46565	0.58842	0.47728	0.68509	8.49E-04	5E-05	0.00254	7.3E-07	0.00344	1.04E-03	6.14E-05	0.0031	4.09E-07	4.20E-03	0.000917	4.72E-05	0.006677	4.22E-07	0.007641
5534	489202.85	3859956.57	0.53991	0.66212	0.48847	0.83164	9.84E-04	5.6E-05	0.0026	8.9E-07	0.00364	1.21E-03	6.9E-05	0.003173	4.96E-07	4.45E-03	0.001063	5.31E-05	0.006833	5.13E-07	0.00795
5535	489191.9	3860676.74	0.37109	0.4513	0.38482	0.58449	6.76E-04	3.8E-05	0.00204	6.2E-07	0.00276	8.29E-04	4.71E-05	0.0025	3.49E-07	3.38E-03	0.000731	3.62E-05	0.005383	3.6E-07	0.006151
5536	488392.82	3860687.88	0.31442	0.44532	0.34643	0.47428	5.73E-04	3.8E-05	0.00184	5.1E-07	0.00245	7.02E-04	4.64E-05	0.00225	2.83E-07	3.00E-03	0.000619	3.57E-05	0.004846	2.92E-07	0.005501
5537	488392.82	3860760.27	0.30757	0.45886	0.33224	0.45996	5.61E-04	3.9E-05	0.00177	4.9E-07	0.00237	6.87E-04	4.78E-05	0.002158	2.75E-07	2.89E-03	0.000606	3.68E-05	0.004648	2.84E-07	0.005291
5538	487549.05	3860777.45	0.27816	0.4165	0.29734	0.41234	5.07E-04	3.5E-05	0.00158	4.4E-07	0.00212	6.21E-04	4.34E-05	0.001931	2.46E-07	2.60E-03	0.000548	3.34E-05	0.004159	2.54E-07	0.004741
5539	487554.62	3859571.83	0.49838	0.759	0.46497	0.69341	9.08E-04	6.5E-05	0.00247	7.4E-07	0.00344	1.11E-03	7.91E-05	0.00302	4.14E-07	4.21E-03	0.000982	6.09E-05	0.006504	4.28E-07	0.007547
5540	485949.46	3859558.54	0.41742	0.76999	0.41738	0.60674	7.61E-04	6.6E-05	0.00222	6.5E-07	0.00304	9.32E-04	8.03E-05	0.002711	3.62E-07	3.72E-03	0.000822	6.18E-05	0.005839	3.74E-07	0.006723
5541	485947.55	3857943.61	1.11113	2.03587	1.11742	1.76055	2.03E-03	0.00017	0.00594	1.9E-06	0.00814	2.48E-03	0.000212	0.007258	1.05E-06	9.95E-03	0.002188	0.000163	0.015632	1.09E-06	0.017984
5542	484738.38	3857940.21	0.82725	1.06265	0.96253	1.18531	1.51E-03	9E-05	0.00511	1.3E-06	0.00671	1.85E-03	0.000111	0.006252	7.07E-07	8.21E-03	0.001629	8.52E-05	0.013465	7.31E-07	0.01518
5543	484737.06	3857535.68	0.97153	1.08532	1.20322	1.4196	1.77E-03	9.2E-05	0.00639	1.5E-06	0.00826	2.17E-03	0.000113	0.007815	8.47E-07	1.01E-02	0.001913	8.71E-05	0.016832	8.75E-07	0.018833
5544	483730.2	3857530.13	0.76647	0.82942	0.96155	1.03075	1.40E-03	7.1E-05	0.00511	1.1E-06	0.00658	1.71E-03	8.65E-05	0.006246	6.15E-07	8.04E-03	0.00151	6.65E-05	0.013451	6.36E-07	0.015028
5545	483727.27	3857130.01	0.87911	0.96892	1.08007	1.19781	1.60E-03	8.2E-05	0.00574	1.3E-06	0.00742	1.96E-03	0.000101	0.007015	7.15E-07	9.08E-03	0.001731	7.77E-05	0.015109	7.39E-07	0.016919
5546	483124.42	3857123.45	0.74266	0.942	0.87467	0.92899	1.35E-03	8E-05	0.00465	9.9E-07	0.00608	1.66E-03	9.82E-05	0.005681	5.54E-07	7.44E-03	0.001463	7.56E-05	0.012236	5.73E-07	0.013775
5547	483111.13	3855921.03	1.04924	1.56733	1.20214	1.04784	1.91E-03	0.00013	0.00639	1.1E-06	0.00843	2.34E-03	0.000163	0.007808	6.25E-07	1.03E-02	0.002066	0.000126	0.016817	6.46E-07	0.01901

5548	482701.73	3855918.24	0.88876	1.37083	0.98389	0.80341	1.62E-03	0.00012	0.00523	8.6E-07	0.00697	1.99E-03	0.000143	0.006391	4.8E-07	8.52E-03	0.00175	0.00011	0.013764	4.95E-07	0.015624
5549	482668.02	3853521.78	1.11529	0.8738	0.63413	0.53453	2.03E-03	7.4E-05	0.00337	5.7E-07	0.00548	2.49E-03	9.11E-05	0.004119	3.19E-07	6.70E-03	0.002197	7.01E-05	0.008871	3.3E-07	0.011138
5550	482579.91	3853219.19	0.67423	0.84355	0.61648	0.55869	1.23E-03	7.2E-05	0.00328	6E-07	0.00458	1.51E-03	8.8E-05	0.004004	3.33E-07	5.60E-03	0.001328	6.77E-05	0.008624	3.44E-07	0.01002
5551	482434.06	3852961.94	0.59571	0.73976	0.58716	0.59115	1.09E-03	6.3E-05	0.00312	6.3E-07	0.00427	1.33E-03	7.71E-05	0.003814	3.53E-07	5.22E-03	0.001173	5.93E-05	0.008214	3.64E-07	0.009447
5552	482332.11	3852832.85	0.54926	0.67923	0.54771	0.54373	1.00E-03	5.8E-05	0.00291	5.8E-07	0.00397	1.23E-03	7.08E-05	0.003558	3.25E-07	4.86E-03	0.001082	5.45E-05	0.007662	3.35E-07	0.008798
5553	481334.99	3851818.96	0.36687	0.46453	0.37756	0.38307	6.69E-04	4E-05	0.00201	4.1E-07	0.00271	8.19E-04	4.84E-05	0.002452	2.29E-07	3.32E-03	0.000723	3.73E-05	0.005282	2.36E-07	0.006042
5554	481127.62	3851646.36	0.34888	0.43517	0.35481	0.35281	6.36E-04	3.7E-05	0.00189	3.8E-07	0.00256	7.79E-04	4.54E-05	0.002305	2.11E-07	3.13E-03	0.000687	3.49E-05	0.004963	2.18E-07	0.005686
5555	481025.04	3851591.73	0.33475	0.42971	0.34421	0.34129	6.10E-04	3.7E-05	0.00183	3.6E-07	0.00248	7.48E-04	4.48E-05	0.002236	2.04E-07	3.03E-03	0.000659	3.45E-05	0.004815	2.1E-07	0.005509
5556	480513.6	3851335.76	0.28588	0.34423	0.27501	0.229	5.21E-04	2.9E-05	0.00146	2.4E-07	0.00201	6.39E-04	3.59E-05	0.001786	1.37E-07	2.46E-03	0.000563	2.76E-05	0.003847	1.41E-07	0.004438
5557	480523.56	3851317.66	0.28851	0.34487	0.27839	0.24708	5.26E-04	2.9E-05	0.00148	2.6E-07	0.00203	6.44E-04	3.6E-05	0.001808	1.47E-07	2.49E-03	0.000568	2.77E-05	0.003894	1.52E-07	0.00449
5558	476921.56	3849569.11	0.13448	0.1404	0.12915	0.1236	2.45E-04	1.2E-05	0.00069	1.3E-07	0.00094	3.00E-04	1.46E-05	0.000839	7.38E-08	1.15E-03	0.000265	1.13E-05	0.001807	7.62E-08	0.002083
5559	476521.19	3849373.96	0.11903	0.12762	0.12174	0.12096	2.17E-04	1.1E-05	0.00065	1.3E-07	0.00087	2.66E-04	1.33E-05	0.000791	7.22E-08	1.07E-03	0.000234	1.02E-05	0.001703	7.46E-08	0.001948
5560	476391.45	3849333.38	0.11647	0.12219	0.11903	0.11819	2.12E-04	1E-05	0.00063	1.3E-07	0.00086	2.60E-04	1.27E-05	0.000773	7.05E-08	1.05E-03	0.000229	9.8E-06	0.001665	7.29E-08	0.001904
5561	476219.41	3849304.29	0.12005	0.13152	0.1179	0.10844	2.19E-04	1.1E-05	0.00063	1.2E-07	0.00086	2.68E-04	1.37E-05	0.000766	6.47E-08	1.05E-03	0.000236	1.06E-05	0.001649	6.69E-08	0.001896
5562	475679.11	3849218.47	0.10746	0.12174	0.10456	0.09061	1.96E-04	1E-05	0.00056	9.7E-08	0.00076	2.40E-04	1.27E-05	0.000679	5.41E-08	9.32E-04	0.000212	9.77E-06	0.001463	5.59E-08	0.001684
5563	475677.71	3849233.88	0.10776	0.12228	0.10593	0.09092	1.96E-04	1E-05	0.00056	9.7E-08	0.00077	2.41E-04	1.28E-05	0.000688	5.43E-08	9.42E-04	0.000212	9.81E-06	0.001482	5.61E-08	0.001704
5564	475492.74	3849204.66	0.11021	0.11842	0.10613	0.07974	2.01E-04	1E-05	0.00056	8.5E-08	0.00077	2.46E-04	1.23E-05	0.000689	4.76E-08	9.48E-04	0.000217	9.5E-06	0.001485	4.92E-08	0.001711
5565	475497.64	3849158.75	0.1088	0.11746	0.10866	0.08243	1.98E-04	1E-05	0.00058	8.8E-08	0.00079	2.43E-04	1.22E-05	0.000706	4.92E-08	9.61E-04	0.000214	9.42E-06	0.00152	5.08E-08	0.001744
5566	475391.35	3849141.94	0.11049	0.12036	0.10889	0.09273	2.01E-04	1E-05	0.00058	9.9E-08	0.00079	2.47E-04	1.26E-05	0.000707	5.53E-08	9.67E-04	0.000218	9.66E-06	0.001523	5.72E-08	0.001751
5567	475277	3849095.47	0.10972	0.11821	0.10778	0.0969	2.00E-04	1E-05	0.00057	1E-07	0.00078	2.45E-04	1.23E-05	0.0007	5.78E-08	9.58E-04	0.000216	9.48E-06	0.001508	5.97E-08	0.001733
5568	475183.93	3849025.66	0.10801	0.11694	0.10581	0.09332	1.97E-04	1E-05	0.00056	1E-07	0.00077	2.41E-04	1.22E-05	0.000687	5.57E-08	9.41E-04	0.000213	9.38E-06	0.00148	5.75E-08	0.001702
5569	474453.23	3848378.77	0.08865	0.09646	0.0876	0.07591	1.62E-04	8.2E-06	0.00047	8.1E-08	0.00064	1.98E-04	1.01E-05	0.000569	4.53E-08	7.77E-04	0.000175	7.74E-06	0.001225	4.68E-08	0.001408
5570	474569.63	3848399.34	0.09051	0.09409	0.0814	0.07733	1.65E-04	8E-06	0.00043	8.2E-08	0.00061	2.02E-04	9.81E-06	0.000529	4.62E-08	7.41E-04	0.000178	7.55E-06	0.001139	4.77E-08	0.001325
5571	474644.33	3848464.52	0.09086	0.09475	0.08329	0.07872	1.66E-04	8.1E-06	0.00044	8.4E-08	0.00062	2.03E-04	9.88E-06	0.000541	4.7E-08	7.54E-04	0.000179	7.6E-06	0.001165	4.85E-08	0.001352
5572	474719.04	3848529.7	0.09106	0.09742	0.08631	0.0791	1.66E-04	8.3E-06	0.00046	8.4E-08	0.00063	2.03E-04	1.02E-05	0.000561	4.72E-08	7.74E-04	0.000179	7.81E-06	0.001207	4.88E-08	0.001395
5573	474793.74	3848594.88	0.09139	0.10046	0.08933	0.07925	1.67E-04	8.5E-06	0.00047	8.5E-08	0.00065	2.04E-04	1.05E-05	0.00058	4.73E-08	7.95E-04	0.00018	8.06E-06	0.00125	4.89E-08	0.001438
5574	474868.45	3848660.07	0.09369	0.10135	0.09211	0.07915	1.71E-04	8.6E-06	0.00049	8.4E-08	0.00067	2.09E-04	1.06E-05	0.000598	4.72E-08	8.18E-04	0.000185	8.13E-06	0.001289	4.88E-08	0.001481
5575	474943.15	3848725.25	0.09486	0.10391	0.09522	0.07895	1.73E-04	8.8E-06	0.00051	8.4E-08	0.00069	2.12E-04	1.08E-05	0.000618	4.71E-08	8.41E-04	0.000187	8.34E-06	0.001332	4.87E-08	0.001527
5576	475017.86	3848790.43	0.0975	0.10672	0.09819	0.07946	1.78E-04	9.1E-06	0.00052	8.5E-08	0.00071	2.18E-04	1.11E-05	0.000638	4.74E-08	8.67E-04	0.000192	8.56E-06	0.001374	4.9E-08	0.001574
5577	475092.56	3848855.61	0.10061	0.10981	0.09948	0.07962	1.83E-04	9.3E-06	0.00053	8.5E-08	0.00072	2.25E-04	1.15E-05	0.000646	4.75E-08	8.82E-04	0.000198	8.81E-06	0.001392	4.91E-08	0.001599
5578	475232.58	3848959.38	0.10327	0.11276	0.10258	0.08119	1.88E-04	9.6E-06	0.00055	8.7E-08	0.00074	2.31E-04	1.18E-05	0.000666	4.85E-08	9.09E-04	0.000203	9.05E-06	0.001435	5.01E-08	0.001647
5579	475368.47	3849029.98	0.10414	0.11418	0.10301	0.08389	1.90E-04	9.7E-06	0.00055	8.9E-08	0.00075	2.33E-04	1.19E-05	0.000669	5.01E-08	9.14E-04	0.000205	9.16E-06	0.001441	5.17E-08	0.001655
5580	475609.57	3849096.09	0.10812	0.11208	0.09688	0.08762	1.97E-04	9.5E-06	0.00051	9.3E-08	0.00072	2.42E-04	1.17E-05	0.000629	5.23E-08	8.83E-04	0.000213	8.99E-06	0.001355	5.4E-08	0.001577
5581	475680.68	3849116.62	0.11127	0.11606	0.09895	0.09053	2.03E-04	9.9E-06	0.00053	9.7E-08	0.00074	2.49E-04	1.21E-05	0.000643	5.4E-08	9.03E-04	0.000219	9.31E-06	0.001384	5.58E-08	0.001613
5582	475843.76	3849151.52	0.11728	0.12393	0.10936	0.09326	2.14E-04	1.1E-05	0.00058	9.9E-08	0.00081	2.62E-04	1.29E-05	0.00071	5.57E-08	9.85E-04	0.000231	9.94E-06	0.00153	5.75E-08	0.001771
5583	475935.73	3849165.89	0.11666	0.12665	0.11568	0.09767	2.13E-04	1.1E-05	0.00061	1E-07	0.00084	2.61E-04	1.32E-05	0.000751	5.83E-08	1.03E-03	0.00023	1.02E-05	0.001618	6.02E-08	0.001858
5584	476027.71	3849180.27	0.11783	0.12632	0.11503	0.1008	2.15E-04	1.1E-05	0.00061	1.1E-07	0.00084	2.63E-04	1.32E-05	0.000747	6.02E-08	1.02E-03	0.000232	1.01E-05	0.001609	6.22E-08	0.001851
5585	476119.68	3849194.64	0.11352	0.12139	0.11384	0.10676	2.07E-04	1E-05	0.0006	1.1E-07	0.00082	2.54E-04	1.27E-05	0.000739	6.37E-08	1.01E-03	0.000224	9.74E-06	0.001593	6.58E-08	0.001826
5586	476211.65	3849209.01	0.11151	0.11729	0.11927	0.11115	2.03E-04	1E-05	0.00063	1.2E-07	0.00085	2.49E-04	1.22E-05	0.000775	6.63E-08	1.04E-03	0.00022	9.41E-06	0.001668	6.85E-08	0.001898
5587	476497.8	3849283.9	0.12214	0.13085	0.12645	0.11492	2.23E-04	1.1E-05	0.00067	1.2E-07	0.00091	2.73E-04	1.36E-05	0.000821	6.86E-08	1.11E-03	0.000241	1.05E-05	0.001769	7.09E-08	0.00202
5588	476603.73	3849323.77	0.1291	0.13394	0.12385	0.11575	2.35E-04	1.1E-05	0.00066	1.2E-07	0.0009	2.88E-04	1.4E-05	0.000804	6.91E-08	1.11E-03	0.000254	1.07E-05	0.001733	7.14E-08	0.001998
5589	476728.99	3849382.76	0.13469	0.14311	0.12639	0.11567	2.46E-04	1.2E-05	0.00067	1.2E-07	0.00093	3.01E-04	1.49E-05	0.000821	6.9E-08	1.14E-03	0.000265	1.15E-05	0.001768	7.13E-08	0.002045
5590	476801.27	3849418.65	0.1369	0.14672	0.1273	0.11621	2.50E-04	1.2E-05	0.00068	1.2E-07	0.00094	3.06E-04	1.53E-05	0.000827	6.94E-08	1.15E-03	0.00027	1.18E-05	0.001781	7.17E-08	0.002062
5591	476956.2	3849495.05	0.13926	0.15446	0.1387	0.11961	2.54E-04	1.3E-05	0.00074	1.3E-07	0.001	3.11E-04	1.61E-05	0.000901	7.14E-08	1.23E-03	0.000274	1.24E-05	0.00194	7.37E-08	0.002227
5592	477038.84	3849535.56	0.14015	0.15726	0.14582	0.12209	2.55E-04	1.3E-05	0.00077	1.3E-07	0.00104	3.13E-04	1.64E-05	0.000947	7.29E-08	1.28E-03	0.000276	1.26E-05	0.00204	7.53E-08	0.002329
5593	477121.48	3849576.08	0.13961	0.15983	0.15069	0.12519	2.54E-04	1.4E-05	0.0008	1.3E-07	0.00107	3.12E-04	1.67E-05	0.000979	7.47E-08	1.31E-03	0.000275	1.28E-05	0.002108	7.72E-08	0.002396
5594	477204.13	3849616.6	0.14187	0.16321	0.15343	0.1267	2.59E-04	1.4E-05	0.00082	1.4E-07	0.00109	3.17E-04	1.7E-05	0.000997	7.56E-08	1.33E-03	0.000279	1.31E-05	0.002146	7.81E-08	0.002439
5595	477286.78	3849657.12	0.14554	0.16694	0.15286	0.12727	2.65E-04	1.4E-05	0.00081	1.4E-07	0.00109	3.25E-04	1.74E-05	0.000993	7.6E-08	1.34E-03	0.000287	1.34E-05	0.002138	7.85E-08	0.002438
5596	477369.42	3849697.63	0.14301	0.16287	0.15133	0.12955	2.61E-04	1.4E-05	0.0008	1.4E-07	0.00108	3.19E-04	1.7E-05	0.000983	7.73E-08	1.32E-03	0.000282	1.31E-05	0.002117	7.99E-08	0.002412
5597	477452.07	3849738.15	0.14266	0.16106	0.15096	0.12631	2.60E-04	1.4E-05	0.0008	1.3E-07	0.00108	3.19E-04	1.68E-05	0.000981	7.54E-08	1.32E-03	0.000281	1.29E-05	0.002112	7.79E-08	0.002406
5598	477534.71	3849778.67	0.1414	0.1534	0.14898	0.12589	2.58E-04	1.3E-05	0.00079	1.3E-07	0.00106	3.16E-04	1.6E-05	0.000968	7.51E-08	1.30E-03	0.000278	1.23E-05	0.002084	7.76E-08	0.002375
5599	477617.35	3849819.18	0.13947	0.15212	0.15046	0.11933	2.54E-04	1.3E-05	0.0008	1.3E-07	0.00107	3.12E-04	1.59E-05	0.000977	7.12E-08	1.30E-03	0.000275	1.22E-05	0.002105	7.36E-08	0.002392
5600	477824.74	3849896.37	0.13938	0.14825	0.14272	0.11395	2.54E-04	1.3E-05	0.00076	1.2E-07	0.00103	3.11E-04	1.55E-05	0.000927	6.8E-08	1.25E-03	0.000275	1.19E-05	0.001997	7.03E-08	0.002283
5601	477906.31	3849936.37	0.1434	0.1514	0.14049	0.11081	2.61E-04	1.3E-05	0.00075	1.2E-07	0.00102	3.20E-04	1.58E-05	0.000913	6.61E-08	1.25E-03	0.000282	1.21E-05	0.001965	6.83E-08	0.00226
5602	477987.89	3849976.36	0.14551	0.15278	0.14066	0.1115	2.65E-04	1.3E-05	0.00075	1.2E-07	0.00103	3.25E-04	1.59E-05	0.000914	6.65E-08	1.25E-03	0.000287	1.23E-05	0.001968	6.87E-08	0.002267
5603	478069.47	3850016.36	0.14834	0.15347	0.14067	0.11271	2.70E-04	1.3E-05	0.00075	1.2E-07	0.00103	3.31E-04	1.6E-05	0.000914	6.73E-08	1.26E-03	0.000292	1.23E-05	0.001968	6.95E-08	0.002272
5604	478151.04	3850056.35	0.1498	0.15256	0.13963	0.11312	2.73E-04	1.3E-05	0.00074	1.2E-07	0.00103	3.35E-04	1.59E-05	0.000907	6.75E-08	1.26E-03	0.000295	1.22E-05	0.001953	6.97E-08	0.002261
5605	478232.62	3850096.35	0.15094	0.15264	0.13794	0.11402	2.75E-04	1.3E-05	0.00073	1.2E-07	0.00102	3.37E-04	1.59E-05	0.000896	6.81E-08	1.25E-03	0.000297	1.22E-05	0.00193	7.03E-08	0.002239
5606	478314.2	3850136.34	0.14856	0.15699	0.14039	0.11607	2.71E-04	1.3E-05	0.00075	1.2E-07	0.00103	3.32E-04	1.64E-05	0.000912	6.93E-08	1.26E-03	0.000293	1.26E-05	0.001964	7.16E-08	0.002269
5607	478395.77	3850176.34	0.15117	0.16341	0.14173	0.11718	2.76E-04	1.4E-05	0.00075	1.3E-07	0.00104	3.38E-04	1.7E-05	0.000921	6.99E-08	1.28E-03	0.000298	1.31E-05	0.001983	7.22E-08	0.002294
5608	478575.43	3850244.45	0.16338	0.177	0.1509	0.1182	2.98E-04	1.5E-05	0.0008	1.3E-07	0.00111	3.65E-04	1.85E-05	0.00098	7.05E-08	1.36E-03	0.000322	1.42E-05	0.002111	7.29E-08	0.002447

5609	478665.06	3850287.29	0.15715	0.17633	0.15082	0.11849	2.86E-04	1.5E-05	0.0008	1.3E-07	0.0011	3.51E-04	1.84E-05	0.00098	7.07E-08	1.35E-03	0.00031	1.41E-05	0.00211	7.31E-08	0.002434
5610	478754.69	3850330.14	0.15485	0.17521	0.15712	0.12377	2.82E-04	1.5E-05	0.00083	1.3E-07	0.00113	3.46E-04	1.83E-05	0.001021	7.39E-08	1.38E-03	0.000305	1.41E-05	0.002198	7.63E-08	0.002517
5611	478844.32	3850372.99	0.1574	0.17909	0.15663	0.12828	2.87E-04	1.5E-05	0.00083	1.4E-07	0.00113	3.52E-04	1.87E-05	0.001017	7.66E-08	1.39E-03	0.00031	1.44E-05	0.002191	7.91E-08	0.002516
5612	478933.95	3850415.84	0.16451	0.19092	0.15459	0.13811	3.00E-04	1.6E-05	0.00082	1.5E-07	0.00114	3.67E-04	1.99E-05	0.001004	8.24E-08	1.39E-03	0.000324	1.53E-05	0.002163	8.52E-08	0.002502
5613	479023.58	3850458.68	0.16343	0.18265	0.15305	0.13421	2.98E-04	1.6E-05	0.00081	1.4E-07	0.00113	3.65E-04	1.9E-05	0.000994	8.01E-08	1.38E-03	0.000322	1.47E-05	0.002141	8.27E-08	0.002478
5614	479110.66	3850441.9	0.16846	0.18085	0.153	0.13045	3.07E-04	1.5E-05	0.00081	1.4E-07	0.00114	3.76E-04	1.89E-05	0.000994	7.79E-08	1.39E-03	0.000332	1.45E-05	0.00214	8.04E-08	0.002487
5615	479191.22	3850423.99	0.17932	0.19946	0.15129	0.11786	3.27E-04	1.7E-05	0.0008	1.3E-07	0.00115	4.01E-04	2.08E-05	0.000983	7.03E-08	1.40E-03	0.000353	1.6E-05	0.002116	7.27E-08	0.002486
5616	479274.32	3850465.71	0.18106	0.20317	0.15697	0.12202	3.30E-04	1.7E-05	0.00083	1.3E-07	0.00118	4.04E-04	2.12E-05	0.00102	7.28E-08	1.45E-03	0.000357	1.63E-05	0.002196	7.52E-08	0.002569
5617	479357.43	3850507.42	0.18622	0.21038	0.16631	0.13146	3.39E-04	1.8E-05	0.00088	1.4E-07	0.00124	4.16E-04	2.19E-05	0.00108	7.85E-08	1.52E-03	0.000367	1.69E-05	0.002327	8.11E-08	0.00271
5618	479440.53	3850549.14	0.19361	0.21232	0.17359	0.12896	3.53E-04	1.8E-05	0.00092	1.4E-07	0.00129	4.32E-04	2.21E-05	0.001128	7.7E-08	1.58E-03	0.000381	1.7E-05	0.002428	7.95E-08	0.002827
5619	479523.64	3850590.85	0.20565	0.22714	0.17899	0.1249	3.75E-04	1.9E-05	0.00095	1.3E-07	0.00135	4.59E-04	2.37E-05	0.001163	7.45E-08	1.65E-03	0.000405	1.82E-05	0.002504	7.7E-08	0.002927
5620	479606.74	3850632.57	0.21727	0.23767	0.18891	0.12673	3.96E-04	2E-05	0.001	1.4E-07	0.00142	4.85E-04	2.48E-05	0.001227	7.56E-08	1.74E-03	0.000428	1.91E-05	0.002643	7.81E-08	0.00309
5621	479777.37	3850707.61	0.23219	0.25691	0.21015	0.14707	4.23E-04	2.2E-05	0.00112	1.6E-07	0.00156	5.19E-04	2.68E-05	0.001365	8.78E-08	1.91E-03	0.000457	2.06E-05	0.00294	9.07E-08	0.003418
5622	479864.9	3850740.95	0.24773	0.27688	0.22903	0.15942	4.52E-04	2.4E-05	0.00122	1.7E-07	0.00169	5.53E-04	2.89E-05	0.001488	9.51E-08	2.07E-03	0.000488	2.22E-05	0.003204	9.83E-08	0.003714
5623	479931.87	3850829.56	0.2466	0.27563	0.22481	0.16016	4.50E-04	2.3E-05	0.00119	1.7E-07	0.00167	5.51E-04	2.87E-05	0.00146	9.56E-08	2.04E-03	0.000486	2.21E-05	0.003145	9.87E-08	0.003653
5624	479995.55	3850926.75	0.24116	0.27207	0.21748	0.16255	4.40E-04	2.3E-05	0.00116	1.7E-07	0.00162	5.39E-04	2.84E-05	0.001413	9.7E-08	1.98E-03	0.000475	2.18E-05	0.003042	1E-07	0.003539
5625	480079.78	3850968.64	0.2529	0.29359	0.23174	0.17346	4.61E-04	2.5E-05	0.00123	1.9E-07	0.00172	5.65E-04	3.06E-05	0.001505	1.04E-07	2.10E-03	0.000498	2.36E-05	0.003242	1.07E-07	0.003764
5626	480164.01	3851010.54	0.26352	0.3125	0.24796	0.19209	4.80E-04	2.7E-05	0.00132	2E-07	0.00182	5.89E-04	3.26E-05	0.001611	1.15E-07	2.23E-03	0.000519	2.51E-05	0.003469	1.18E-07	0.004013
5627	480248.23	3851052.43	0.27035	0.31789	0.25794	0.22078	4.93E-04	2.7E-05	0.00137	2.4E-07	0.00189	6.04E-04	3.31E-05	0.001675	1.32E-07	2.31E-03	0.000532	2.55E-05	0.003608	1.36E-07	0.004166
5628	480332.46	3851094.33	0.27409	0.33216	0.26765	0.23415	5.00E-04	2.8E-05	0.00142	2.5E-07	0.00195	6.12E-04	3.46E-05	0.001738	1.4E-07	2.39E-03	0.00054	2.66E-05	0.003744	1.44E-07	0.004311
5629	480416.69	3851136.22	0.27687	0.33503	0.28555	0.23699	5.05E-04	2.9E-05	0.00152	2.5E-07	0.00205	6.18E-04	3.49E-05	0.001855	1.41E-07	2.51E-03	0.000545	2.69E-05	0.003995	1.46E-07	0.004567
5630	480579.95	3851215.17	0.28925	0.35571	0.30175	0.28186	5.27E-04	3E-05	0.0016	3E-07	0.00216	6.46E-04	3.71E-05	0.00196	1.68E-07	2.64E-03	0.00057	2.85E-05	0.004221	1.74E-07	0.00482
5631	480658.98	3851252.22	0.29915	0.37369	0.31149	0.29534	5.45E-04	3.2E-05	0.00166	3.2E-07	0.00223	6.68E-04	3.9E-05	0.002023	1.76E-07	2.73E-03	0.000589	3E-05	0.004357	1.82E-07	0.004977
5632	480817.36	3851327.85	0.31851	0.39553	0.32306	0.31967	5.81E-04	3.4E-05	0.00172	3.4E-07	0.00233	7.11E-04	4.12E-05	0.002098	1.91E-07	2.85E-03	0.000627	3.17E-05	0.004519	1.97E-07	0.005179
5633	480896.72	3851366.42	0.32357	0.40244	0.3292	0.32642	5.90E-04	3.4E-05	0.00175	3.5E-07	0.00237	7.23E-04	4.2E-05	0.002138	1.95E-07	2.90E-03	0.000637	3.23E-05	0.004605	2.01E-07	0.005275
5634	480976.07	3851405	0.33187	0.39915	0.33028	0.32988	6.05E-04	3.4E-05	0.00175	3.5E-07	0.00239	7.41E-04	4.16E-05	0.002145	1.97E-07	2.93E-03	0.000654	3.2E-05	0.00462	2.03E-07	0.005306
5635	481178	3851487.31	0.34883	0.40065	0.37095	0.36284	6.36E-04	3.4E-05	0.00197	3.9E-07	0.00264	7.79E-04	4.18E-05	0.002409	2.17E-07	3.23E-03	0.000687	3.21E-05	0.005189	2.24E-07	0.005909
5636	481244.9	3851557.17	0.35794	0.40914	0.38036	0.37351	6.52E-04	3.5E-05	0.00202	4E-07	0.00271	8.00E-04	4.27E-05	0.002471	2.23E-07	3.31E-03	0.000705	3.28E-05	0.005321	2.3E-07	0.006059
5637	481311.81	3851627.03	0.36524	0.4178	0.39047	0.3834	6.66E-04	3.6E-05	0.00207	4.1E-07	0.00278	8.16E-04	4.36E-05	0.002536	2.29E-07	3.40E-03	0.000719	3.35E-05	0.005462	2.36E-07	0.006215
5638	481378.71	3851696.89	0.37261	0.42796	0.40114	0.3932	6.79E-04	3.6E-05	0.00213	4.2E-07	0.00285	8.32E-04	4.46E-05	0.002606	2.35E-07	3.48E-03	0.000734	3.43E-05	0.005612	2.42E-07	0.00638
5639	481445.61	3851766.76	0.38023	0.43933	0.41211	0.4017	6.93E-04	3.7E-05	0.00219	4.3E-07	0.00292	8.49E-04	4.58E-05	0.002677	2.4E-07	3.57E-03	0.000749	3.52E-05	0.005765	2.48E-07	0.006549
5640	481512.51	3851836.62	0.38912	0.44994	0.42349	0.40929	7.09E-04	3.8E-05	0.00225	4.4E-07	0.003	8.69E-04	4.69E-05	0.002751	2.44E-07	3.67E-03	0.000766	3.61E-05	0.005924	2.52E-07	0.006727
5641	481579.42	3851906.48	0.39852	0.46307	0.43514	0.41702	7.26E-04	3.9E-05	0.00231	4.4E-07	0.00308	8.90E-04	4.83E-05	0.002826	2.49E-07	3.77E-03	0.000785	3.71E-05	0.006087	2.57E-07	0.006909
5642	481646.32	3851976.34	0.40821	0.47905	0.44713	0.42461	7.44E-04	4.1E-05	0.00238	4.5E-07	0.00316	9.12E-04	5E-05	0.002904	2.53E-07	3.87E-03	0.000804	3.84E-05	0.006255	2.62E-07	0.007098
5643	481713.22	3852046.2	0.41909	0.49835	0.46076	0.43136	7.64E-04	4.2E-05	0.00245	4.6E-07	0.00325	9.36E-04	5.2E-05	0.002993	2.57E-07	3.98E-03	0.000825	4E-05	0.006446	2.66E-07	0.007311
5644	481780.12	3852116.06	0.43009	0.51551	0.47331	0.43974	7.84E-04	4.4E-05	0.00251	4.7E-07	0.00334	9.61E-04	5.38E-05	0.003074	2.62E-07	4.09E-03	0.000847	4.14E-05	0.006621	2.71E-07	0.00751
5645	481847.03	3852185.92	0.44107	0.53106	0.48561	0.44889	8.04E-04	4.5E-05	0.00258	4.8E-07	0.00343	9.85E-04	5.54E-05	0.003154	2.68E-07	4.20E-03	0.000869	4.26E-05	0.006793	2.77E-07	0.007705
5646	481913.93	3852255.78	0.45189	0.54343	0.49793	0.45812	8.24E-04	4.6E-05	0.00265	4.9E-07	0.00352	1.01E-03	5.67E-05	0.003234	2.73E-07	4.30E-03	0.00089	4.36E-05	0.006966	2.82E-07	0.007899
5647	481980.83	3852325.65	0.45937	0.55421	0.50965	0.46914	8.37E-04	4.7E-05	0.00271	5E-07	0.00359	1.03E-03	5.78E-05	0.00331	2.8E-07	4.39E-03	0.000905	4.45E-05	0.007129	2.89E-07	0.008079
5648	482047.73	3852395.51	0.47798	0.56884	0.52379	0.48189	8.71E-04	4.8E-05	0.00278	5.1E-07	0.0037	1.07E-03	5.93E-05	0.003402	2.88E-07	4.53E-03	0.000941	4.56E-05	0.007327	2.97E-07	0.008315
5649	482114.64	3852465.37	0.49954	0.58371	0.5368	0.49223	9.11E-04	5E-05	0.00285	5.3E-07	0.00381	1.12E-03	6.09E-05	0.003487	2.94E-07	4.66E-03	0.000984	4.68E-05	0.007509	3.03E-07	0.00854
5650	482181.54	3852535.23	0.51657	0.60511	0.55378	0.50582	9.42E-04	5.1E-05	0.00294	5.4E-07	0.00394	1.15E-03	6.31E-05	0.003597	3.02E-07	4.81E-03	0.001017	4.85E-05	0.007747	3.12E-07	0.008813
5651	482338.69	3852700.04	0.54799	0.65626	0.59375	0.53964	9.99E-04	5.6E-05	0.00315	5.8E-07	0.00421	1.22E-03	6.84E-05	0.003857	3.22E-07	5.15E-03	0.001079	5.26E-05	0.008306	3.33E-07	0.009438
5652	482404.05	3852767.78	0.55937	0.68101	0.6118	0.55812	1.02E-03	5.8E-05	0.00325	6E-07	0.00433	1.25E-03	7.1E-05	0.003974	3.33E-07	5.29E-03	0.001102	5.46E-05	0.008558	3.44E-07	0.009715
5653	482469.4	3852835.52	0.57098	0.70574	0.63069	0.57756	1.04E-03	6E-05	0.00335	6.2E-07	0.00445	1.28E-03	7.36E-05	0.004097	3.45E-07	5.45E-03	0.001125	5.66E-05	0.008823	3.56E-07	0.010004
5654	482534.75	3852903.25	0.58511	0.7345	0.65234	0.59669	1.07E-03	6.3E-05	0.00347	6.4E-07	0.0046	1.31E-03	7.66E-05	0.004237	3.56E-07	5.62E-03	0.001152	5.89E-05	0.009126	3.68E-07	0.010337
5655	482600.11	3852970.98	0.60354	0.76412	0.67342	0.61811	1.10E-03	6.5E-05	0.00358	6.6E-07	0.00474	1.35E-03	7.97E-05	0.004374	3.69E-07	5.80E-03	0.001189	6.13E-05	0.00942	3.81E-07	0.010671
5656	482706.71	3853119.28	0.69459	0.83008	0.70323	0.6633	1.27E-03	7.1E-05	0.00374	7.1E-07	0.00507	1.55E-03	8.66E-05	0.004568	3.96E-07	6.21E-03	0.001368	6.66E-05	0.009837	4.09E-07	0.011272
5657	482747.96	3853199.84	0.71796	0.85772	0.72156	0.6693	1.31E-03	7.3E-05	0.00383	7.1E-07	0.00522	1.60E-03	8.94E-05	0.004687	3.99E-07	6.38E-03	0.001414	6.88E-05	0.010094	4.13E-07	0.011577
5658	482789.21	3853280.4	0.76968	0.90212	0.69712	0.67216	1.40E-03	7.7E-05	0.0037	7.2E-07	0.00518	1.72E-03	9.41E-05	0.004528	4.01E-07	6.34E-03	0.001516	7.24E-05	0.009752	4.14E-07	0.011341
5659	482830.46	3853360.96	0.8229	0.94136	0.71912	0.68972	1.50E-03	8E-05	0.00382	7.4E-07	0.0054	1.84E-03	9.82E-05	0.004671	4.12E-07	6.61E-03	0.001621	7.55E-05	0.01006	4.25E-07	0.011756
5660	482871.71	3853441.52	0.88256	1.0066	0.73768	0.66349	1.61E-03	8.6E-05	0.00392	7.1E-07	0.00561	1.97E-03	0.000105	0.004791	3.96E-07	6.87E-03	0.001738	8.07E-05	0.010319	4.09E-07	0.012139
5661	482912.95	3853522.07	0.99035	1.07409	0.74949	0.65423	1.81E-03	9.1E-05	0.00398	7E-07	0.00588	2.21E-03	0.000112	0.004868	3.9E-07	7.19E-03	0.00195	8.62E-05	0.010485	4.03E-07	0.012522
5662	482954.2	3853602.63	1.52382	1.15139	0.75735	0.62712	2.78E-03	9.8E-05	0.00402	6.7E-07	0.0069	3.40E-03	0.00012	0.004919	3.74E-07	8.44E-03	0.003001	9.24E-05	0.010595	3.87E-07	0.013688
5663	482995.45	3853683.19	1.86094	1.2213	0.77677	0.62213	3.39E-03	0.0001	0.00413	6.6E-07	0.00762	4.16E-03	0.000127	0.005045	3.71E-07	9.33E-03	0.003665	9.8E-05	0.010866	3.84E-07	0.01463
5664	483036.7	3853763.75	1.90256	1.26797	0.82668	0.59765	3.47E-03	0.00011	0.00439	6.4E-07	0.00797	4.25E-03	0.000132	0.00537	3.57E-07	9.75E-03	0.003747	0.000102	0.011564	3.68E-07	0.015414
5665	483214.2	3853909.91	1.50681	1.64686	0.97024	0.60302	2.75E-03	0.00014	0.00516	6.4E-07	0.00804	3.37E-03	0.000172	0.006302	3.6E-07	9.84E-03	0.002968	0.000132	0.013573	3.72E-07	0.016673
5666	483307.01	3853910.44	1.43214	1.66667	1.03047	0.69284	2.61E-03	0.00014	0.00548	7.4E-07	0.00823	3.20E-03	0.000174	0.006693	4.14E-07	1.01E-02	0.002821	0.000134	0.014415	4.27E-07	0.01737
5667	483399.83	3853910.96	1.42668	1.66086	1.11697	0.79263	2.60E-03	0.00014	0.00593	8.5E-07	0.00868	3.19E-03	0.000173	0.007255	4.73E-07	1.06E-02	0.00281	0.000133	0.015625	4.89E-07	0.018569
5668	483494.52	3854009.24	1.50983	1.80625	1.2053	0.82266	2.75E-03	0.00015	0.0064	8.8E-07	0.00931	3.37E-03	0.000188	0.007829	4.91E-07	1.14E-02	0.002974	0.000145	0.016861	5.07E-07	0.01998
5669	483496.41	3854106.98	1.61432	2.11188	1.20067	0.76082	2.94E-03	0.00018	0.00638	8.1E-07	0.0095	3.61E-03	0.00022	0.007799	4.54E-07	1.16E-02	0.003179	0.000169	0.016796	4.69E-07	0.020145

5670	483577.56	3854261.96	1.91932	2.81166	1.43392	0.68857	3.50E-03	0.00024	0.00762	7.3E-07	0.01136	4.29E-03	0.000293	0.009314	4.11E-07	1.39E-02	0.00378	0.000226	0.020059	4.25E-07	0.024065
5671	483656.83	3854319.19	2.0115	3.2052	1.51933	0.6738	3.67E-03	0.00027	0.00807	7.2E-07	0.01201	4.49E-03	0.000334	0.009868	4.02E-07	1.47E-02	0.003962	0.000257	0.021254	4.15E-07	0.025473
5672	483736.1	3854376.41	2.16908	3.49353	1.65211	0.64996	3.95E-03	0.0003	0.00878	6.9E-07	0.01303	4.85E-03	0.000364	0.010731	3.88E-07	1.59E-02	0.004272	0.00028	0.023111	4.01E-07	0.027664
5673	483815.36	3854433.64	2.31727	3.66478	1.78228	0.62104	4.22E-03	0.00031	0.00947	6.6E-07	0.01401	5.18E-03	0.000382	0.011576	3.71E-07	1.71E-02	0.004564	0.000294	0.024932	3.83E-07	0.02979
5674	483894.63	3854490.87	2.5164	3.46452	1.9339	0.58565	4.59E-03	0.00029	0.01028	6.2E-07	0.01516	5.62E-03	0.000361	0.012561	3.5E-07	1.85E-02	0.004956	0.000278	0.027053	3.61E-07	0.032288
5675	483973.9	3854548.1	2.68917	3.22697	2.10616	0.56566	4.90E-03	0.00027	0.01119	6E-07	0.01637	6.01E-03	0.000336	0.01368	3.38E-07	2.00E-02	0.005296	0.000259	0.029463	3.49E-07	0.035019
5676	484053.17	3854605.32	2.95335	3.21353	2.29938	0.56102	5.38E-03	0.00027	0.01222	6E-07	0.01787	6.60E-03	0.000335	0.014935	3.35E-07	2.19E-02	0.005817	0.000258	0.032166	3.46E-07	0.038241
5677	484214.97	3854698.15	3.76537	3.42759	2.7339	0.59655	6.86E-03	0.00029	0.01453	6.4E-07	0.02168	8.41E-03	0.000357	0.017757	3.56E-07	2.65E-02	0.007416	0.000275	0.038245	3.68E-07	0.045936
5678	484297.5	3854733.74	4.5179	4.19082	2.95513	0.63504	8.24E-03	0.00036	0.0157	6.8E-07	0.02429	1.01E-02	0.000437	0.019194	3.79E-07	2.97E-02	0.008898	0.000336	0.041339	3.92E-07	0.050574
5679	484380.03	3854769.34	5.02555	4.47598	2.94554	0.66489	9.16E-03	0.00038	0.01565	7.1E-07	0.02519	1.12E-02	0.000467	0.019132	3.97E-07	3.08E-02	0.009898	0.000359	0.041205	4.1E-07	0.051462
5680	484462.56	3854804.94	6.25179	5.86264	3.3825	0.70238	1.14E-02	0.0005	0.01797	7.5E-07	0.02987	1.40E-02	0.000611	0.02197	4.19E-07	3.65E-02	0.012313	0.00047	0.047318	4.33E-07	0.060101
5681	484545.09	3854840.53	7.30378	7.54934	3.57561	0.70678	1.33E-02	0.00064	0.019	7.5E-07	0.03295	1.63E-02	0.000787	0.023225	4.22E-07	4.03E-02	0.014385	0.000606	0.050019	4.36E-07	0.06501
5682	484691.88	3854912.58	8.7403	13.56254	5.58099	0.74387	1.59E-02	0.00115	0.02965	7.9E-07	0.04674	1.95E-02	0.001414	0.03625	4.44E-07	5.72E-02	0.017214	0.001088	0.078072	4.59E-07	0.096375
5683	484830.81	3855012.51	8.05466	17.04098	8.31756	0.86325	1.47E-02	0.00145	0.04419	9.2E-07	0.06033	1.80E-02	0.001777	0.054025	5.15E-07	7.38E-02	0.015863	0.001367	0.116354	5.32E-07	0.133585
5684	484905.48	3855075.97	8.14387	15.68832	9.27316	1.00319	1.48E-02	0.00133	0.04927	1.1E-06	0.06545	1.82E-02	0.001636	0.060232	5.99E-07	8.01E-02	0.016039	0.001258	0.129722	6.19E-07	0.14702
5685	484980.14	3855139.44	8.29844	12.78172	9.87299	1.31815	1.51E-02	0.00109	0.05246	1.4E-06	0.06867	1.85E-02	0.001333	0.064128	7.87E-07	8.40E-02	0.016344	0.001025	0.138113	8.13E-07	0.155483
5686	485054.81	3855202.91	8.37253	9.70808	10.07551	1.82697	1.53E-02	0.00083	0.05353	1.9E-06	0.06962	1.87E-02	0.001012	0.065443	1.09E-06	8.52E-02	0.016489	0.000779	0.140946	1.13E-06	0.158216
5687	485129.48	3855266.37	8.21421	7.4534	9.75502	2.16876	1.50E-02	0.00063	0.05183	2.3E-06	0.06744	1.83E-02	0.000777	0.063362	1.29E-06	8.25E-02	0.016178	0.000598	0.136463	1.34E-06	0.15324
5688	485204.15	3855329.84	8.43457	6.40561	10.23925	2.50515	1.54E-02	0.00055	0.0544	2.7E-06	0.07033	1.88E-02	0.000668	0.066507	1.5E-06	8.60E-02	0.016612	0.000514	0.143237	1.54E-06	0.160364
5689	485278.82	3855393.31	8.41809	5.47343	10.34778	2.72724	1.53E-02	0.00047	0.05498	2.9E-06	0.07079	1.88E-02	0.000571	0.067212	1.63E-06	8.66E-02	0.016579	0.000439	0.144755	1.68E-06	0.161775
5690	485353.48	3855456.77	8.47287	4.63302	10.62029	2.90596	1.54E-02	0.00039	0.05643	3.1E-06	0.07227	1.89E-02	0.000483	0.068982	1.73E-06	8.84E-02	0.016687	0.000372	0.148567	1.79E-06	0.165628
5691	485428.15	3855520.24	8.43032	3.98824	10.64805	2.97107	1.54E-02	0.00034	0.05658	3.2E-06	0.07228	1.88E-02	0.000416	0.069162	1.77E-06	8.84E-02	0.016603	0.00032	0.148956	1.83E-06	0.165881
5692	485502.82	3855583.71	8.3957	3.54396	10.65706	3.05319	1.53E-02	0.0003	0.05662	3.3E-06	0.07223	1.88E-02	0.00037	0.069221	1.82E-06	8.83E-02	0.016535	0.000284	0.149082	1.88E-06	0.165903
5693	485577.49	3855647.17	8.53399	3.05943	11.01383	3.18647	1.56E-02	0.00026	0.05852	3.4E-06	0.07434	1.91E-02	0.000319	0.071538	1.9E-06	9.09E-02	0.016807	0.000245	0.154072	1.96E-06	0.171127
5694	485652.16	3855710.64	8.61589	2.82346	11.24724	3.36243	1.57E-02	0.00024	0.05976	3.6E-06	0.07571	1.92E-02	0.000294	0.073054	2.01E-06	9.26E-02	0.016969	0.000226	0.157338	2.07E-06	0.174535
5695	485726.83	3855774.1	8.59803	2.58348	11.23492	3.41659	1.57E-02	0.00022	0.05969	3.6E-06	0.07559	1.92E-02	0.000269	0.072974	2.04E-06	9.25E-02	0.016934	0.000207	0.157165	2.11E-06	0.174308
5696	485801.49	3855837.57	8.50732	2.31933	11.05677	3.39687	1.55E-02	0.0002	0.05875	3.6E-06	0.07446	1.90E-02	0.000242	0.071817	2.03E-06	9.11E-02	0.016755	0.000186	0.154673	2.09E-06	0.171616
5697	485876.16	3855901.04	8.49085	2.20942	11.07338	3.43885	1.55E-02	0.00019	0.05883	3.7E-06	0.0745	1.90E-02	0.00023	0.071925	2.05E-06	9.11E-02	0.016722	0.000177	0.154905	2.12E-06	0.171807
5698	485950.83	3855964.5	8.42814	2.16517	11.02879	3.44122	1.54E-02	0.00018	0.0586	3.7E-06	0.07415	1.88E-02	0.000226	0.071635	2.05E-06	9.07E-02	0.016599	0.000174	0.154282	2.12E-06	0.171056
5699	486025.5	3856027.97	8.2366	2.17411	10.85119	3.36714	1.50E-02	0.00019	0.05765	3.6E-06	0.07286	1.84E-02	0.000227	0.070482	2.01E-06	8.91E-02	0.016222	0.000174	0.151797	2.08E-06	0.168195
5700	486100.17	3856091.44	8.49752	2.11247	11.37073	3.57478	1.55E-02	0.00018	0.06041	3.8E-06	0.07609	1.90E-02	0.00022	0.073856	2.13E-06	9.31E-02	0.016736	0.000169	0.159065	2.2E-06	0.175972
5701	486174.83	3856154.9	8.28	2.16376	11.00432	3.4547	1.51E-02	0.00018	0.05847	3.7E-06	0.07375	1.85E-02	0.000226	0.071476	2.06E-06	9.02E-02	0.016307	0.000174	0.153939	2.13E-06	0.170422
5702	486249.5	3856218.37	7.72507	2.16155	10.14202	3.18101	1.41E-02	0.00018	0.05389	3.4E-06	0.06816	1.73E-02	0.000225	0.065875	1.9E-06	8.34E-02	0.015214	0.000173	0.141877	1.96E-06	0.157266
5703	486324.17	3856281.84	7.59424	2.15087	9.77526	3.04451	1.38E-02	0.00018	0.05194	3.2E-06	0.06597	1.70E-02	0.000224	0.063493	1.82E-06	8.07E-02	0.014957	0.000173	0.136746	1.88E-06	0.151877
5704	486398.84	3856345.3	7.96371	2.21652	10.38073	3.08181	1.45E-02	0.00019	0.05515	3.3E-06	0.06986	1.78E-02	0.000231	0.067426	1.84E-06	8.54E-02	0.015684	0.000178	0.145216	1.9E-06	0.16108
5705	486473.51	3856408.77	8.09097	2.30742	10.63433	3.0689	1.47E-02	0.0002	0.0565	3.3E-06	0.07145	1.81E-02	0.000241	0.069073	1.83E-06	8.74E-02	0.015935	0.000185	0.148764	1.89E-06	0.164885
5706	486548.17	3856472.24	8.27673	2.49358	11.05703	3.13239	1.51E-02	0.00021	0.05875	3.3E-06	0.07405	1.85E-02	0.00026	0.071819	1.87E-06	9.06E-02	0.016301	0.0002	0.154677	1.93E-06	0.171179
5707	486622.84	3856535.7	8.3928	2.66336	11.28369	3.21899	1.53E-02	0.00023	0.05995	3.4E-06	0.07548	1.87E-02	0.000278	0.073291	1.92E-06	9.23E-02	0.016529	0.000214	0.157847	1.98E-06	0.174592
5708	486765.48	3856659.69	8.45346	3.34498	11.45349	3.44958	1.54E-02	0.00028	0.06085	3.7E-06	0.07655	1.89E-02	0.000349	0.074394	2.06E-06	9.36E-02	0.016649	0.000268	0.160223	2.13E-06	0.177142
5709	486833.44	3856720.2	8.50703	3.70531	11.51393	3.58084	1.55E-02	0.00032	0.06118	3.8E-06	0.077	1.90E-02	0.000386	0.074786	2.14E-06	9.42E-02	0.016754	0.000297	0.161068	2.21E-06	0.178122
5710	486901.41	3856780.72	8.47953	4.43685	11.40097	3.76369	1.55E-02	0.00038	0.06058	4E-06	0.07641	1.89E-02	0.000463	0.074053	2.25E-06	9.35E-02	0.0167	0.000356	0.159488	2.32E-06	0.176547
5711	486969.38	3856841.24	8.46378	5.2169	11.31012	3.93042	1.54E-02	0.00044	0.06009	4.2E-06	0.07597	1.89E-02	0.000544	0.073463	2.35E-06	9.29E-02	0.016669	0.000418	0.158217	2.42E-06	0.175307
5712	487037.34	3856901.75	8.35586	6.07779	11.26751	4.07538	1.52E-02	0.00052	0.05987	4.3E-06	0.07562	1.87E-02	0.000634	0.073186	2.43E-06	9.25E-02	0.016457	0.000488	0.157621	2.51E-06	0.174568
5713	487271.23	3856855.51	5.0424	4.40913	6.93053	3.00541	9.19E-03	0.00038	0.03682	3.2E-06	0.04639	1.13E-02	0.00046	0.045016	1.79E-06	5.67E-02	0.009931	0.000354	0.096951	1.85E-06	0.107238
5714	487368.96	3856857.29	4.48653	4.02005	6.17643	2.87371	8.18E-03	0.00034	0.03282	3.1E-06	0.04134	1.00E-02	0.000419	0.040118	1.72E-06	5.06E-02	0.008836	0.000322	0.086402	1.77E-06	0.095562
5715	487466.68	3856859.06	4.00661	3.92697	5.56905	2.81861	7.30E-03	0.00033	0.02959	3E-06	0.03723	8.95E-03	0.000409	0.036173	1.68E-06	4.55E-02	0.007891	0.000315	0.077905	1.74E-06	0.086113
5716	487636.44	3856930	3.42116	5.06445	4.97652	2.89212	6.24E-03	0.00043	0.02644	3.1E-06	0.03311	7.64E-03	0.000528	0.032324	1.73E-06	4.05E-02	0.006738	0.000406	0.069617	1.78E-06	0.076762
5717	487709.57	3856928.43	3.19159	4.80934	4.62327	2.81398	5.82E-03	0.00041	0.02456	3E-06	0.03079	7.13E-03	0.000502	0.03003	1.68E-06	3.77E-02	0.006286	0.000386	0.064675	1.74E-06	0.071348
5718	487782.54	3856841.96	2.9805	3.76463	4.12042	2.51911	5.43E-03	0.00032	0.02189	2.7E-06	0.02765	6.66E-03	0.000393	0.026763	1.5E-06	3.38E-02	0.00587	0.000302	0.057641	1.55E-06	0.063814
5719	487849.83	3856754.74	2.75475	3.03772	3.70477	2.30738	5.02E-03	0.00026	0.01968	2.5E-06	0.02497	6.15E-03	0.000317	0.024064	1.38E-06	3.05E-02	0.005425	0.000244	0.051826	1.42E-06	0.057497
5720	487918.03	3856819.39	2.67279	3.51201	3.61018	2.4427	4.87E-03	0.0003	0.01918	2.6E-06	0.02436	5.97E-03	0.000366	0.023449	1.46E-06	2.98E-02	0.005264	0.000282	0.050503	1.51E-06	0.05605
5721	487918.8	3856886.37	2.69446	4.17235	3.71824	2.60434	4.91E-03	0.00036	0.01976	2.8E-06	0.02503	6.02E-03	0.000435	0.024151	1.55E-06	3.06E-02	0.005307	0.000335	0.052014	1.61E-06	0.057657
5722	488065.47	3857127.5	2.50035	7.51616	3.35422	3.0282	4.56E-03	0.00064	0.01782	3.2E-06	0.02302	5.59E-03	0.000784	0.021787	1.81E-06	2.82E-02	0.004924	0.000603	0.046922	1.87E-06	0.052451
5723	488192.19	3857385.83	2.40008	7.63553	2.77807	3.85167	4.37E-03	0.00065	0.01476	4.1E-06	0.01979	5.36E-03	0.000796	0.018044	2.3E-06	2.42E-02	0.004727	0.000613	0.038862	2.37E-06	0.044204
5724	488191.22	3857473.87	2.50079	7.01237	2.66181	4.28431	4.56E-03	0.0006	0.01414	4.6E-06	0.0193	5.59E-03	0.000731	0.017289	2.56E-06	2.36E-02	0.004925	0.000563	0.037236	2.64E-06	0.042726
5725	488190.24	3857561.9	2.6159	6.0172	2.63632	4.76194	4.77E-03	0.00051	0.01401	5.1E-06	0.01929	5.84E-03	0.000627	0.017124	2.84E-06	2.36E-02	0.005152	0.000483	0.036879	2.94E-06	0.042517
5726	488158.35	3857691.13	2.82281	4.91127	2.43514	5.76078	5.15E-03	0.00042	0.01294	6.1E-06	0.01851	6.31E-03	0.000512	0.015817	3.44E-06	2.26E-02	0.005559	0.000394	0.034065	3.55E-06	0.040022
5727	488208.37	3857816.66	2.62056	4.10254	2.02566	6.50456	4.78E-03	0.00035	0.01076	6.9E-06	0.0159	5.85E-03	0.000428	0.013157	3.88E-06	1.94E-02	0.005161	0.000329	0.028337	4.01E-06	0.033831
5728	488271.97	3857874.6	2.38875	3.58717	1.84302	6.55342	4.35E-03	0.00031	0.00979	7E-06	0.01446	5.34E-03	0.000374	0.011971	3.91E-06	1.77E-02	0.004705	0.000288	0.025782	4.04E-06	0.030778
5729	488463.56	3857942.31	1.97459	2.94559	1.54519	5.35888	3.60E-03	0.00025	0.00821	5.7E-06	0.01207	4.41E-03	0.000307	0.010036	3.2E-06	1.48E-02	0.003889	0.000236	0.021616	3.3E-06	0.025744
5730	488554.83	3857940.83	1.848	2.78391	1.4958	4.72434	3.37E-03	0.00024	0.00795	5E-06	0.01156	4.13E-03	0.00029	0.009716	2.82E-06	1.41E-02	0.00364	0.000223	0.020925	2.91E-06	0.024791

5731	488646.1	3857939.36	1.71557	2.6009	1.43641	4.27042		3.13E-03	0.00022	0.00763	4.6E-06	0.01098		3.83E-03	0.000271	0.00933	2.55E-06	1.34E-02		0.003379	0.000209	0.020094	2.63E-06	0.023684							
5732	488737.37	3857937.88	1.63	2.50307	1.38377	3.90462		2.97E-03	0.00021	0.00735	4.2E-06	0.01054		3.64E-03	0.000261	0.008988	2.33E-06	1.29E-02		0.00321	0.000201	0.019358	2.41E-06	0.022771							
5733	488733.59	3857960.57	1.62551	2.40814	1.36516	3.9029		2.96E-03	0.0002	0.00725	4.2E-06	0.01043		3.63E-03	0.000251	0.008867	2.33E-06	1.28E-02		0.003201	0.000193	0.019097	2.41E-06	0.022494							
5734	488638.09	3857961.57	1.72188	2.60005	1.42197	4.29801		3.14E-03	0.00022	0.00756	4.6E-06	0.01092		3.85E-03	0.000271	0.009236	2.57E-06	1.34E-02		0.003391	0.000209	0.019892	2.65E-06	0.023494							
5735	488542.6	3857962.56	1.85535	2.76475	1.49138	4.78557		3.38E-03	0.00024	0.00792	5.1E-06	0.01155		4.14E-03	0.000288	0.009687	2.86E-06	1.41E-02		0.003654	0.000222	0.020863	2.95E-06	0.024742							
5736	488447.1	3857963.56	1.96619	2.84496	1.54434	5.44555		3.58E-03	0.00024	0.00821	5.8E-06	0.01204		4.39E-03	0.000297	0.010031	3.25E-06	1.47E-02		0.003872	0.000228	0.021604	3.36E-06	0.025708							
5737	488254.28	3857890.36	2.39614	3.49339	1.83498	6.85913		4.37E-03	0.0003	0.00975	7.3E-06	0.01442		5.35E-03	0.000364	0.011919	4.09E-06	1.76E-02		0.004719	0.00028	0.02567	4.23E-06	0.030673							
5738	488191.69	3857833.06	2.6472	4.02283	2.03861	6.72078		4.83E-03	0.00034	0.01083	7.2E-06	0.01601		5.91E-03	0.000419	0.013241	4.01E-06	1.96E-02		0.005214	0.000323	0.028518	4.14E-06	0.034059							
5739	488129.5	3857907.43	2.66686	3.43453	1.96077	8.49399		4.86E-03	0.00029	0.01042	9.1E-06	0.01558		5.96E-03	0.000358	0.012736	5.07E-06	1.91E-02		0.005252	0.000276	0.027429	5.24E-06	0.032962							
5740	488196.47	3857968.73	2.42658	3.05358	1.73375	8.6511		4.42E-03	0.00026	0.00921	9.2E-06	0.0139		5.42E-03	0.000318	0.011261	5.16E-06	1.70E-02		0.004779	0.000245	0.024253	5.33E-06	0.029283							
5741	488263.44	3858030.04	2.28081	2.7861	1.57149	7.11248		4.16E-03	0.00024	0.00835	7.6E-06	0.01275		5.09E-03	0.000291	0.010207	4.25E-06	1.56E-02		0.004492	0.000223	0.021984	4.39E-06	0.026703							
5742	488400.64	3858132.9	2.05695	2.37183	1.3603	4.66974		3.75E-03	0.0002	0.00723	5E-06	0.01118		4.59E-03	0.000247	0.008836	2.79E-06	1.37E-02		0.004051	0.00019	0.019029	2.88E-06	0.023273							
5743	488519.89	3858218.38	1.93835	2.03726	1.22059	3.57658		3.53E-03	0.00017	0.00649	3.8E-06	0.0102		4.33E-03	0.000212	0.007928	2.13E-06	1.25E-02		0.003818	0.000163	0.017075	2.21E-06	0.021058							
5744	488647.97	3858214.99	1.75653	1.98271	1.23477	3.20162		3.20E-03	0.00017	0.00656	3.4E-06	0.00993		3.92E-03	0.000207	0.00802	1.91E-06	1.22E-02		0.003459	0.000159	0.017273	1.97E-06	0.020894							
5745	488727.05	3858167.67	1.62094	1.98864	1.26227	3.15639		2.95E-03	0.00017	0.00671	3.4E-06	0.00983		3.62E-03	0.000207	0.008199	1.88E-06	1.20E-02		0.003192	0.00016	0.017658	1.95E-06	0.021012							
5746	488806.12	3858120.35	1.52941	2.06673	1.20312	3.11457		2.79E-03	0.00018	0.00639	3.3E-06	0.00936		3.42E-03	0.000216	0.007815	1.86E-06	1.14E-02		0.003012	0.000166	0.01683	1.92E-06	0.02001							
5747	488885.2	3858073.03	1.46356	2.06722	1.2238	3.07991		2.67E-03	0.00018	0.0065	3.3E-06	0.00935		3.27E-03	0.000216	0.007949	1.84E-06	1.14E-02		0.002882	0.000166	0.01712	1.9E-06	0.02017							
5748	489055.76	3857991.17	1.3794	2.08409	1.21226	2.79538		2.51E-03	0.00018	0.00644	3E-06	0.00914		3.08E-03	0.000217	0.007874	1.67E-06	1.12E-02		0.002717	0.000167	0.016958	1.72E-06	0.019844							
5749	489245.39	3857944.54	1.31014	2.03318	1.18778	2.49753		2.39E-03	0.00017	0.00631	2.7E-06	0.00887		2.93E-03	0.000212	0.007715	1.49E-06	1.09E-02		0.00258	0.000163	0.016616	1.54E-06	0.019361							
5750	489430.63	3857930.91	1.22171	1.9546	1.12922	2.1987		2.23E-03	0.00017	0.006	2.3E-06	0.0084		2.73E-03	0.000204	0.007335	1.31E-06	1.03E-02		0.002406	0.000157	0.015797	1.36E-06	0.018361							
5751	489517.74	3857929.36	1.17885	1.87849	1.11117	2.09319		2.15E-03	0.00016	0.0059	2.2E-06	0.00821		2.63E-03	0.000196	0.007217	1.25E-06	1.00E-02		0.002322	0.000151	0.015544	1.29E-06	0.018018							
5752	489604.85	3857927.82	1.13559	1.88579	1.07374	1.97415		2.07E-03	0.00016	0.0057	2.1E-06	0.00794		2.54E-03	0.000197	0.006974	1.18E-06	9.71E-03		0.002237	0.000151	0.015021	1.22E-06	0.01741							
5753	489691.97	3857926.28	1.10353	1.79057	1.03537	1.87152		2.01E-03	0.00015	0.0055	2E-06	0.00767		2.46E-03	0.000187	0.006725	1.12E-06	9.38E-03		0.002173	0.000144	0.014484	1.15E-06	0.016802							
5754	489779.08	3857924.73	1.07146	1.70363	1.00753	1.76521		1.95E-03	0.00014	0.00535	1.9E-06	0.00745		2.39E-03	0.000178	0.006544	1.05E-06	9.12E-03		0.00211	0.000137	0.014094	1.09E-06	0.016342							
5755	490017.54	3857875.08	1.00415	1.65445	0.95779	1.54607		1.83E-03	0.00014	0.00509	1.6E-06	0.00706		2.24E-03	0.000173	0.006221	9.23E-07	8.64E-03		0.001978	0.000133	0.013399	9.53E-07	0.01551							
5756	490033.82	3857960.81	0.98374	1.55566	0.91191	1.52852		1.79E-03	0.00013	0.00485	1.6E-06	0.00677		2.20E-03	0.000162	0.005923	9.12E-07	8.28E-03		0.001937	0.000125	0.012757	9.42E-07	0.01482							
5757	489959.15	3857987.49	1.00093	1.56001	0.93447	1.59781		1.82E-03	0.00013	0.00497	1.7E-06	0.00692		2.24E-03	0.000163	0.00607	9.54E-07	8.47E-03		0.001971	0.000125	0.013072	9.85E-07	0.01517							
5758	489791.49	3858016.12	1.05333	1.64271	0.98362	1.74213		1.92E-03	0.00014	0.00523	1.9E-06	0.00729		2.35E-03	0.000171	0.006389	1.04E-06	8.91E-03		0.002074	0.000132	0.01376	1.07E-06	0.015967							
5759	489698.51	3858018.07	1.08503	1.70518	1.02098	1.83666		1.98E-03	0.00015	0.00542	2E-06	0.00755		2.42E-03	0.000178	0.006632	1.1E-06	9.23E-03		0.002137	0.000137	0.014282	1.13E-06	0.016557							
5760	489605.52	3858020.02	1.12085	1.72474	1.03634	1.92495		2.04E-03	0.00015	0.00551	2.1E-06	0.0077		2.50E-03	0.00018	0.006731	1.15E-06	9.42E-03		0.002207	0.000138	0.014497	1.19E-06	0.016844							
5761	489512.53	3858021.96	1.16056	1.74563	1.04867	2.03		2.12E-03	0.00015	0.00557	2.2E-06	0.00784		2.59E-03	0.000182	0.006811	1.21E-06	9.59E-03		0.002286	0.00014	0.01467	1.25E-06	0.017097							
5762	489419.55	3858023.91	1.1978	1.80179	1.09658	2.15175		2.18E-03	0.00015	0.00583	2.3E-06	0.00817		2.68E-03	0.000188	0.007123	1.28E-06	9.99E-03		0.002359	0.000145	0.01534	1.33E-06	0.017845							
5763	489228.47	3858041.29	1.28298	1.88192	1.13781	2.40192		2.34E-03	0.00016	0.00605	2.6E-06	0.00855		2.87E-03	0.000196	0.00739	1.43E-06	1.05E-02		0.002527	0.000151	0.015917	1.48E-06	0.018596							
5764	489065.75	3858085.78	1.34413	1.90104	1.16467	2.66894		2.45E-03	0.00016	0.00619	2.8E-06	0.0088		3.00E-03	0.000198	0.007565	1.59E-06	1.08E-02		0.002647	0.000152	0.016293	1.65E-06	0.019094							
5765	489001.12	3858114.86	1.38887	1.91934	1.16988	2.70692		2.53E-03	0.00016	0.00622	2.9E-06	0.00891		3.10E-03	0.0002	0.007599	1.62E-06	1.09E-02		0.002735	0.000154	0.016365	1.67E-06	0.019256							
5766	488861.89	3858189.81	1.48639	1.9051	1.18889	2.74241		2.71E-03	0.00016	0.00632	2.9E-06	0.00919		3.32E-03	0.000199	0.007722	1.64E-06	1.12E-02		0.002927	0.000153	0.016631	1.69E-06	0.019713							
5767	488787.28	3858235.69	1.60899	1.86585	1.2075	2.76909		2.93E-03	0.00016	0.00642	3E-06	0.00951		3.59E-03	0.000195	0.007843	1.65E-06	1.16E-02		0.003169	0.00015	0.016892	1.71E-06	0.020212							
5768	488712.68	3858281.57	1.72423	1.85982	1.16125	2.82947		3.14E-03	0.00016	0.00617	3E-06	0.00947		3.85E-03	0.000194	0.007543	1.69E-06	1.16E-02		0.003396	0.000149	0.016245	1.74E-06	0.019791							
5769	488654.39	3858436.17	2.05299	1.63714	1.03974	2.4691		3.74E-03	0.00014	0.00552	2.6E-06	0.00941		4.59E-03	0.000171	0.006753	1.47E-06	1.15E-02		0.004043	0.000131	0.014545	1.52E-06	0.018721							
5770	488726.3	3858505.26	2.05603	1.54436	0.98987	2.2832		3.75E-03	0.00013	0.00526	2.4E-06	0.00914		4.59E-03	0.000161	0.006429	1.36E-06	1.12E-02		0.004049	0.000124	0.013847	1.41E-06	0.018022							
5771	488880.6	3858599.28	1.9046	1.37066	0.90657	1.88891		3.47E-03	0.00012	0.00482	2E-06	0.00841		4.25E-03	0.000143	0.005888	1.13E-06	1.03E-02		0.003751	0.00011	0.012682	1.16E-06	0.016544							
5772	489008.06	3858714.75	1.88669	1.2559	0.83777	1.69658		3.44E-03	0.00011	0.00445	1.8E-06	0.008		4.21E-03	0.000131	0.005442	1.01E-06	9.79E-03		0.003716	0.000101	0.01172	1.05E-06	0.015537							
5773	489071.48	3858772.72	1.81893	1.20332	0.81179	1.60355		3.32E-03	0.0001	0.00431	1.7E-06	0.00773		4.06E-03	0.000125	0.005273	9.57E-07	9.46E-03		0.003582	9.65E-05	0.011356	9.89E-07	0.015036							
5774	489244.59	3858920.19	1.25235	1.07728	0.75025	1.41117		2.28E-03	9.2E-05	0.00399	1.5E-06	0.00636		2.80E-03	0.000112	0.004873	8.42E-07	7.78E-03		0.002466	8.64E-05	0.010495	8.7E-07	0.013049							
5775	489239.69	3858952.23	1.21254	1.08127	0.76905	1.43689		2.21E-03	9.2E-05	0.00409	1.5E-06	0.00639		2.71E-03	0.000113	0.004995	8.58E-07	7.82E-03		0.002388	8.67E-05	0.010758	8.86E-07	0.013234							
5776	489121.67	3858854.49	1.61783	1.1546	0.81086	1.57587		2.95E-03	9.8E-05	0.00431	1.7E-06	0.00736		3.61E-03	0.00012	0.005267	9.41E-07	9.00E-03		0.003186	9.26E-05	0.011343	9.72E-07	0.014623							
5777	489059.59	3858797.27	1.90973	1.19353	0.8345	1.63507		3.48E-03	0.0001	0.00443	1.7E-06	0.00802		4.27E-03	0.000124	0.00542	9.76E-07	9.81E-03		0.003761	9.57E-05	0.011674	1.01E-06	0.015532							
5778	488997.52	3858740.04	1.99202	1.23988	0.85971	1.71526		3.63E-03	0.00011	0.00457	1.8E-06	0.00831		4.45E-03	0.000129	0.005584	1.02E-06	1.02E-02		0.003923	9.95E-05	0.012026	1.06E-06	0.01605							
5779	488935.44	3858682.82	2.00914	1.295	0.88321	1.83487		3.66E-03	0.00011	0.00469	2E-06	0.00847		4.49E-03	0.000135	0.005737	1.1E-06	1.04E-02		0.003957	0.000104	0.012355	1.13E-06	0.016417							
5780	488869.17	3858848.43	4.04769	1.20752	0.86575	1.73596		7.38E-03	0.0001	0.0046	1.9E-06	0.01208		9.04E-03	0.000126	0.005623	1.04E-06	1.48E-02		0.007972	9.69E-05	0.012111	1.07E-06	0.020181							
5781	488932.48	3858892.69	2.61801	1.15941	0.84478	1.65763		4.77E-03	9.9E-05	0.00449	1.8E-06	0.00936		5.85E-03	0.000121	0.005487	9.89E-07	1.15E-02		0.005156	9.3E-05	0.011818	1.02E-06	0.017068							
5782	489063.27	3858977.17	1.41024	1.0802	0.78525	1.49815		2.57E-03	9.2E-05	0.00417	1.6E-06	0.00684		3.15E-03	0.000113	0.0051	8.94E-07	8.36E-03		0.002777	8.67E-05	0.010985	9.24E-07	0.01385							
5783	489248.2	3859117.15	1.02656	0.97129	0.71712	1.30573		1.87E-03	8.3E-05	0.00381	1.4E-06	0.00577		2.29E-03	0.000101	0.004658	7.79E-07	7.05E-03		0.002022	7.79E-05	0.010032	8.05E-07	0.012132							
5784	489296.25	3859049.22	1.01772	0.9955	0.73041	1.32559		1.86E-03	8.5E-05	0.00388	1.4E-06	0.00582		2.27E-03	0.000104	0.004744	7.91E-07	7.12E-03		0.002004	7.99E-05	0.010218	8.17E-07	0.012303							
5785	489353.38	3858993.96	1.03707	1.01311	0.70817	1.30308		1.89E-03	8.6E-05	0.00376	1.4E-06	0.00574		2.32E-03	0.000106	0.0046	7.78E-07	7.02E-03		0.002042	8.13E-05	0.009907	8.03E-07	0.012031							
5786	489537.24	3859120.22	0.83744	0.91972	0.67333	1.1698		1.53E-03	7.8E-05	0.00358	1.2E-06	0.00518		1.87E-03	9.59E-05	0.004373	6.98E-07	6.34E-03		0.001649	7.38E-05	0.009419	7.21E-07	0.011143							
5787	489726.98	3859246.04	0.71428	0.84491	0.63755	1.03743		1.30E-03	7.2E-05	0.00339	1.1E-06	0.00476		1.60E-03	8.81E-05	0.004141	6.19E-07	5.83E-03		0.001407	6.78E-05	0.008919	6.4E-07	0.010394							
5788	489911.46	3859366.33	0.65924	0.77076	0.59568	0.93795		1.20E-03	6.6E-05	0.00316	1E-06	0.00443		1.47E-03	8.04E-05	0.003869	5.6E-07	5.42E-03		0.001298	6.18E-05	0.008333	5.78E-07	0.009694							
5789	490035.3	3859430.26	0.6219	0.73387	0.5421	0.89259		1.13E-03	6.2E-05	0.00288	9.5E-07	0.00408		1.39E-03	7.65E-05	0.003521	5.33E-07	4.99E-03		0.001225	5.89E-05	0.007583	5.5E-07	0.008868							
5790	490101.11	3859458.61	0.60264	0.70995	0.53717	0.88382		1.10E-03	6E-05	0.00285	9.4E-07	0.00401		1.35E-03	7.4E-05	0.003489	5.28E-07	4.91E-03		0.001187	5.7E-05	0.007514	5.45E-07	0.008759							
5791	490312.68	3859560.3	0.54601	0.68149	0.50571	0.82669		9.95E-04	5.8E-05	0.00269	8.8E-07	0.00374		1.22E-03	7.11E-05	0.003285	4.93E-07	4.58E-03		0.001075	5.47E-05	0.007074	5.1E-07	0.008205							

5792	490401.63	3859603.12	0.53018	0.66549	0.49845	0.80743	9.66E-04	5.7E-05	0.00265	8.6E-07	0.00367	1.18E-03	6.94E-05	0.003238	4.82E-07	4.49E-03	0.001044	5.34E-05	0.006973	4.98E-07	0.008071
5793	490490.57	3859645.94	0.51718	0.64915	0.49947	0.79431	9.43E-04	5.5E-05	0.00265	8.5E-07	0.00365	1.16E-03	6.77E-05	0.003244	4.74E-07	4.47E-03	0.001019	5.21E-05	0.006987	4.9E-07	0.008058
5794	490579.51	3859688.76	0.50539	0.63531	0.49526	0.77571	9.21E-04	5.4E-05	0.00263	8.3E-07	0.00361	1.13E-03	6.62E-05	0.003217	4.63E-07	4.41E-03	0.000995	5.1E-05	0.006928	4.78E-07	0.007975
5795	490668.45	3859731.58	0.49519	0.62673	0.483	0.75718	9.03E-04	5.3E-05	0.00257	8.1E-07	0.00352	1.11E-03	6.54E-05	0.003137	4.52E-07	4.31E-03	0.000975	5.03E-05	0.006757	4.67E-07	0.007783
5796	490757.4	3859774.4	0.48151	0.61005	0.47388	0.73828	8.78E-04	5.2E-05	0.00252	7.9E-07	0.00345	1.08E-03	6.36E-05	0.003078	4.41E-07	4.22E-03	0.000948	4.89E-05	0.006629	4.55E-07	0.007627
5797	491003.53	3859861.82	0.45192	0.57143	0.46236	0.687	8.24E-04	4.9E-05	0.00246	7.3E-07	0.00333	1.01E-03	5.96E-05	0.003003	4.1E-07	4.07E-03	0.00089	4.58E-05	0.006468	4.24E-07	0.007404
5798	491081.41	3859879.05	0.44421	0.57535	0.45017	0.67865	8.10E-04	4.9E-05	0.00239	7.2E-07	0.00325	9.92E-04	6E-05	0.002924	4.05E-07	3.98E-03	0.000875	4.62E-05	0.006297	4.18E-07	0.007219
5799	491229.76	3859917.82	0.42922	0.54596	0.42866	0.6602	7.82E-04	4.6E-05	0.00228	7E-07	0.00311	9.59E-04	5.69E-05	0.002784	3.94E-07	3.80E-03	0.000845	4.38E-05	0.005997	4.07E-07	0.006886
5800	491300.22	3859939.35	0.41956	0.54094	0.42351	0.65554	7.65E-04	4.6E-05	0.00225	7E-07	0.00306	9.37E-04	5.64E-05	0.002751	3.91E-07	3.74E-03	0.000826	4.34E-05	0.005924	4.04E-07	0.006795
5801	491350.48	3860012.03	0.40813	0.50863	0.40479	0.62163	7.44E-04	4.3E-05	0.00215	6.6E-07	0.00294	9.12E-04	5.3E-05	0.002629	3.71E-07	3.59E-03	0.000804	4.08E-05	0.005663	3.83E-07	0.006508
5802	491406.82	3860092.56	0.39704	0.49749	0.39764	0.60212	7.24E-04	4.2E-05	0.00211	6.4E-07	0.00288	8.87E-04	5.19E-05	0.002583	3.59E-07	3.52E-03	0.000782	3.99E-05	0.005563	3.71E-07	0.006385
5803	491483.36	3860121.96	0.39072	0.48531	0.3881	0.59068	7.12E-04	4.1E-05	0.00206	6.3E-07	0.00282	8.73E-04	5.06E-05	0.002521	3.53E-07	3.44E-03	0.00077	3.89E-05	0.005429	3.64E-07	0.006238
5804	491559.91	3860151.35	0.38378	0.47194	0.37987	0.57883	7.00E-04	4E-05	0.00202	6.2E-07	0.00276	8.57E-04	4.92E-05	0.002467	3.45E-07	3.37E-03	0.000756	3.79E-05	0.005314	3.57E-07	0.006108
5805	491711.81	3860237.76	0.37953	0.47424	0.37876	0.55896	6.92E-04	4E-05	0.00201	6E-07	0.00275	8.48E-04	4.95E-05	0.00246	3.34E-07	3.36E-03	0.000747	3.8E-05	0.005298	3.45E-07	0.006084
5806	491755.2	3860319.07	0.3537	0.44088	0.35778	0.53201	6.45E-04	3.8E-05	0.0019	5.7E-07	0.00258	7.90E-04	4.6E-05	0.002324	3.18E-07	3.16E-03	0.000697	3.54E-05	0.005005	3.28E-07	0.005737
5807	491704.71	3860366.54	0.34072	0.42796	0.36106	0.52792	6.21E-04	3.6E-05	0.00192	5.6E-07	0.00258	7.61E-04	4.46E-05	0.002345	3.15E-07	3.15E-03	0.000671	3.43E-05	0.005051	3.25E-07	0.005757
5808	491623.42	3860462.39	0.33674	0.41432	0.33742	0.51581	6.14E-04	3.5E-05	0.00179	5.5E-07	0.00244	7.52E-04	4.32E-05	0.002192	3.08E-07	2.99E-03	0.000663	3.32E-05	0.00472	3.18E-07	0.005417
5809	491534.02	3860439.85	0.35365	0.43864	0.3459	0.52841	6.45E-04	3.7E-05	0.00184	5.6E-07	0.00252	7.90E-04	4.57E-05	0.002247	3.15E-07	3.08E-03	0.000697	3.52E-05	0.004839	3.26E-07	0.005571
5810	491313.95	3860268.17	0.36449	0.44245	0.35483	0.55537	6.64E-04	3.8E-05	0.00189	5.9E-07	0.00259	8.14E-04	4.61E-05	0.002305	3.31E-07	3.17E-03	0.000718	3.55E-05	0.004964	3.42E-07	0.005717
5811	491187.12	3860143.56	0.38848	0.48045	0.3891	0.60388	7.08E-04	4.1E-05	0.00207	6.4E-07	0.00282	8.68E-04	5.01E-05	0.002527	3.6E-07	3.45E-03	0.000765	3.85E-05	0.005443	3.72E-07	0.006247
5812	491070.43	3860075.97	0.40481	0.4959	0.3996	0.61888	7.38E-04	4.2E-05	0.00212	6.6E-07	0.0029	9.04E-04	5.17E-05	0.002596	3.69E-07	3.55E-03	0.000797	3.98E-05	0.00559	3.82E-07	0.006427
5813	490995.09	3860039.38	0.41567	0.50888	0.39831	0.62397	7.58E-04	4.3E-05	0.00212	6.7E-07	0.00292	9.28E-04	5.31E-05	0.002587	3.72E-07	3.57E-03	0.000819	4.08E-05	0.005572	3.85E-07	0.006432
5814	490919.75	3860002.8	0.42629	0.52299	0.40691	0.63946	7.77E-04	4.5E-05	0.00216	6.8E-07	0.00298	9.52E-04	5.45E-05	0.002643	3.82E-07	3.65E-03	0.00084	4.2E-05	0.005692	3.94E-07	0.006574
5815	490756.81	3859894.53	0.45893	0.55834	0.42997	0.68405	8.37E-04	4.8E-05	0.00228	7.3E-07	0.00317	1.03E-03	5.82E-05	0.002793	4.08E-07	3.88E-03	0.000904	4.48E-05	0.006015	4.22E-07	0.006964
5816	490668.07	3859860.92	0.46811	0.56085	0.43205	0.69625	8.53E-04	4.8E-05	0.0023	7.4E-07	0.0032	1.05E-03	5.85E-05	0.002806	4.16E-07	3.91E-03	0.000922	4.5E-05	0.006044	4.29E-07	0.007011
5817	490579.34	3859827.3	0.47573	0.57975	0.44943	0.70778	8.67E-04	4.9E-05	0.00239	7.6E-07	0.00331	1.06E-03	6.05E-05	0.002919	4.22E-07	4.04E-03	0.000937	4.65E-05	0.006287	4.36E-07	0.007271
5818	490490.6	3859793.68	0.48098	0.58751	0.45709	0.71942	8.77E-04	5E-05	0.00243	7.7E-07	0.00336	1.07E-03	6.13E-05	0.002969	4.29E-07	4.11E-03	0.000947	4.71E-05	0.006394	4.44E-07	0.007389
5819	490401.86	3859760.07	0.48842	0.61745	0.48225	0.77262	8.90E-04	5.3E-05	0.00256	8.2E-07	0.00351	1.09E-03	6.44E-05	0.003132	4.61E-07	4.29E-03	0.000962	4.95E-05	0.006746	4.76E-07	0.007758
5820	490313.12	3859726.45	0.49795	0.63745	0.48738	0.7942	9.08E-04	5.4E-05	0.00259	8.5E-07	0.00355	1.11E-03	6.65E-05	0.003166	4.74E-07	4.34E-03	0.000981	5.11E-05	0.006818	4.9E-07	0.00785
5821	490224.39	3859692.83	0.52203	0.63798	0.49236	0.79536	9.52E-04	5.4E-05	0.00262	8.5E-07	0.00362	1.17E-03	6.65E-05	0.003198	4.75E-07	4.43E-03	0.001028	5.12E-05	0.006888	4.9E-07	0.007967
5822	490135.65	3859659.22	0.54999	0.65567	0.51214	0.8265	1.00E-03	5.6E-05	0.00272	8.8E-07	0.00378	1.23E-03	6.84E-05	0.003327	4.93E-07	4.62E-03	0.001083	5.26E-05	0.007164	5.1E-07	0.008301
5823	489918.18	3859559.23	0.62968	0.72093	0.55661	0.92549	1.15E-03	6.1E-05	0.00296	9.9E-07	0.00417	1.41E-03	7.52E-05	0.003615	5.52E-07	5.10E-03	0.00124	5.78E-05	0.007786	5.71E-07	0.009085
5824	489743.61	3859486	0.69306	0.76726	0.59098	0.99631	1.26E-03	6.5E-05	0.00314	1.1E-06	0.00447	1.55E-03	8E-05	0.003839	5.95E-07	5.47E-03	0.001365	6.15E-05	0.008267	6.14E-07	0.009694
5825	489660.32	3859440.27	0.72194	0.79297	0.59901	1.01801	1.32E-03	6.7E-05	0.00318	1.1E-06	0.00457	1.61E-03	8.27E-05	0.003891	6.08E-07	5.59E-03	0.001422	6.36E-05	0.00838	6.28E-07	0.009866
5826	489577.04	3859394.53	0.77548	0.81608	0.62167	1.06423	1.41E-03	6.9E-05	0.0033	1.1E-06	0.00479	1.73E-03	8.51E-05	0.004038	6.35E-07	5.86E-03	0.001527	6.55E-05	0.008697	6.56E-07	0.01029
5827	489493.75	3859348.8	0.82406	0.85098	0.65186	1.12621	1.50E-03	7.2E-05	0.00346	1.2E-06	0.00504	1.84E-03	8.87E-05	0.004234	6.72E-07	6.16E-03	0.001623	6.83E-05	0.009119	6.94E-07	0.010811
5828	489321.28	3859240.02	0.94067	0.93364	0.71441	1.27837	1.71E-03	7.9E-05	0.0038	1.4E-06	0.00559	2.10E-03	9.74E-05	0.00464	7.63E-07	6.84E-03	0.001853	7.49E-05	0.009994	7.88E-07	0.011922
5829	489235.41	3859193.96	0.99908	0.96937	0.72789	1.35043	1.82E-03	8.2E-05	0.00387	1.4E-06	0.00577	2.23E-03	0.000101	0.004728	8.06E-07	7.06E-03	0.001968	7.78E-05	0.010182	8.33E-07	0.012229
5830	489149.54	3859147.89	1.11403	1.01151	0.75623	1.42867	2.03E-03	8.6E-05	0.00402	1.5E-06	0.00614	2.49E-03	0.000105	0.004912	8.53E-07	7.51E-03	0.002194	8.11E-05	0.010579	8.81E-07	0.012855
5831	489063.68	3859101.82	1.27318	1.09462	0.76771	1.4863	2.32E-03	9.3E-05	0.00408	1.6E-06	0.00649	2.84E-03	0.000114	0.004987	8.87E-07	7.95E-03	0.002507	8.78E-05	0.010739	9.16E-07	0.013336
5832	488977.81	3859055.75	1.41408	1.1219	0.80671	1.56338	2.58E-03	9.5E-05	0.00429	1.7E-06	0.00696	3.16E-03	0.000117	0.00524	9.33E-07	8.52E-03	0.002785	9E-05	0.011285	9.64E-07	0.014161
5833	488891.94	3859009.69	1.49364	1.15624	0.81323	1.62953	2.72E-03	9.8E-05	0.00432	1.7E-06	0.00714	3.34E-03	0.000121	0.005282	9.73E-07	8.74E-03	0.002942	9.28E-05	0.011376	1E-06	0.014412
5834	488808	3859060.73	1.21575	1.06267	0.78454	1.49847	2.22E-03	9E-05	0.00417	1.6E-06	0.00648	2.72E-03	0.000111	0.005096	8.94E-07	7.92E-03	0.002394	8.52E-05	0.010975	9.24E-07	0.013455
5835	488809.93	3859157.85	1.00832	1.02157	0.74456	1.36222	1.84E-03	8.7E-05	0.00396	1.5E-06	0.00588	2.25E-03	0.000107	0.004836	8.13E-07	7.20E-03	0.001986	8.19E-05	0.010416	8.4E-07	0.012484
5836	488811.85	3859254.96	0.88462	0.91847	0.69608	1.22785	1.61E-03	7.8E-05	0.0037	1.3E-06	0.00539	1.98E-03	9.58E-05	0.004521	7.33E-07	6.59E-03	0.001742	7.37E-05	0.009737	7.57E-07	0.011554
5837	488813.78	3859352.07	0.7865	0.88368	0.63962	1.16341	1.43E-03	7.5E-05	0.0034	1.2E-06	0.00491	1.76E-03	9.21E-05	0.004155	6.94E-07	6.00E-03	0.001549	7.09E-05	0.008948	7.17E-07	0.010568
5838	488815.71	3859449.19	0.69833	0.8623	0.59446	1.09207	1.27E-03	7.3E-05	0.00316	1.2E-06	0.00451	1.56E-03	8.99E-05	0.003861	6.52E-07	5.51E-03	0.001375	6.92E-05	0.008316	6.73E-07	0.009761
5839	488910.04	3859547.1	0.65958	0.81731	0.57228	1.0368	1.20E-03	7E-05	0.00304	1.1E-06	0.00431	1.47E-03	8.52E-05	0.003717	6.19E-07	5.28E-03	0.001299	6.56E-05	0.008006	6.39E-07	0.009371
5840	489002.45	3859547.91	0.67813	0.77329	0.58172	1.01356	1.24E-03	6.6E-05	0.00309	1.1E-06	0.00439	1.51E-03	8.06E-05	0.003778	6.05E-07	5.37E-03	0.001336	6.2E-05	0.008138	6.25E-07	0.009536
5841	489094.85	3859548.71	0.69297	0.78516	0.60603	1.0034	1.26E-03	6.7E-05	0.00322	1.1E-06	0.00455	1.55E-03	8.19E-05	0.003936	5.99E-07	5.57E-03	0.001365	6.3E-05	0.008478	6.19E-07	0.009906
5842	489230.05	3859601.87	0.69683	0.79015	0.60004	1.02774	1.27E-03	6.7E-05	0.00319	1.1E-06	0.00453	1.56E-03	8.24E-05	0.003897	6.13E-07	5.54E-03	0.001372	6.34E-05	0.008394	6.34E-07	0.00983
5843	489227.52	3859680.89	0.64873	0.74498	0.57001	0.94264	1.18E-03	6.3E-05	0.00303	1E-06	0.00428	1.45E-03	7.77E-05	0.003702	5.63E-07	5.23E-03	0.001278	5.98E-05	0.007974	5.81E-07	0.009312
5844	489133.47	3859760.29	0.58416	0.71101	0.52576	0.90402	1.06E-03	6.1E-05	0.00279	9.6E-07	0.00392	1.30E-03	7.41E-05	0.003415	5.4E-07	4.79E-03	0.00115	5.7E-05	0.007355	5.57E-07	0.008563
5845	489041.96	3859760.67	0.59206	0.72531	0.52497	0.9085	1.08E-03	6.2E-05	0.00279	9.7E-07	0.00393	1.32E-03	7.56E-05	0.00341	5.42E-07	4.81E-03	0.001166	5.82E-05	0.007344	5.6E-07	0.008569
5846	488950.45	3859761.05	0.59202	0.72069	0.54094	0.91717	1.08E-03	6.1E-05	0.00287	9.8E-07	0.00402	1.32E-03	7.52E-05	0.003514	5.47E-07	4.91E-03	0.001166	5.78E-05	0.007567	5.65E-07	0.008792
5847	488858.94	3859761.43	0.56988	0.7076	0.53704	0.89416	1.04E-03	6E-05	0.00285	9.5E-07	0.00395	1.27E-03	7.38E-05	0.003488	5.34E-07	4.84E-03	0.001122	5.68E-05	0.007513	5.51E-07	0.008692
5848	488767.43	3859761.82	0.56681	0.74161	0.537	0.87047	1.03E-03	6.3E-05	0.00285	9.3E-07	0.00395	1.27E-03	7.73E-05	0.003488	5.2E-07	4.83E-03	0.001116	5.95E-05	0.007512	5.37E-07	0.008688
5849	488675.92	3859762.2	0.56223	0.69267	0.54326	0.80859	1.02E-03	5.9E-05	0.00289	8.6E-07	0.00397	1.26E-03	7.22E-05	0.003529	4.83E-07	4.86E-03	0.001107	5.56E-05	0.0076	4.99E-07	0.008763
5850	488584.41	3859762.58	0.54522	0.67327	0.52795	0.79697	9.94E-04	5.7E-05	0.00281	8.5E-07	0.00386	1.22E-03	7.02E-05	0.003429	4.76E-07	4.72E-03	0.001074	5.4E-05	0.007385	4.91E-07	0.008514
5851	488492.9	3859762.96	0.53339	0.7129	0.52216	0.76528	9.72E-04	6.1E-05	0.00277	8.2E-07	0.00381	1.19E-03	7.43E-05	0.003392	4.57E-07	4.66E-03	0.00105	5.72E-05	0.007304	4.72E-07	0.008413
5852	488402.76	3859830.95	0.51135	0.64524	0.51749	0.72894	9.32E-04	5.5E-05	0.00275	7.8E-07	0.00374	1.14E-03	6.73E-05	0.003361	4.35E-07	4.57E-03	0.001007	5.18E-05	0.007239	4.49E-07	0.008298

5853	488404.14	3859898.55	0.48654	0.61201	0.49591	0.70634	8.87E-04	5.2E-05	0.00263	7.5E-07	0.00357	1.09E-03	6.38E-05	0.003221	4.22E-07	4.37E-03	0.000958	4.91E-05	0.006937	4.36E-07	0.007945
5854	488505.18	3859964.96	0.47005	0.59433	0.49042	0.68941	8.57E-04	5.1E-05	0.00261	7.4E-07	0.00351	1.05E-03	6.2E-05	0.003185	4.11E-07	4.30E-03	0.000926	4.77E-05	0.00686	4.25E-07	0.007834
5855	488604.84	3859963.76	0.47793	0.64217	0.48603	0.69432	8.71E-04	5.5E-05	0.00258	7.4E-07	0.00351	1.07E-03	6.7E-05	0.003157	4.14E-07	4.29E-03	0.000941	5.15E-05	0.006799	4.28E-07	0.007792
5856	488704.51	3859962.56	0.48122	0.60607	0.48764	0.72685	8.77E-04	5.2E-05	0.00259	7.8E-07	0.00352	1.07E-03	6.32E-05	0.003167	4.34E-07	4.31E-03	0.000948	4.86E-05	0.006822	4.48E-07	0.007818
5857	488804.18	3859961.37	0.50354	0.62568	0.50199	0.7504	9.18E-04	5.3E-05	0.00267	8E-07	0.00364	1.12E-03	6.52E-05	0.003261	4.48E-07	4.45E-03	0.000992	5.02E-05	0.007022	4.63E-07	0.008065
5858	488903.85	3859960.17	0.50693	0.67671	0.51204	0.81409	9.24E-04	5.8E-05	0.00272	8.7E-07	0.0037	1.13E-03	7.06E-05	0.003326	4.86E-07	4.53E-03	0.000998	5.43E-05	0.007163	5.02E-07	0.008216
5859	489003.52	3859958.97	0.51996	0.63639	0.50001	0.81229	9.48E-04	5.4E-05	0.00266	8.7E-07	0.00366	1.16E-03	6.64E-05	0.003248	4.85E-07	4.48E-03	0.001024	5.1E-05	0.006995	5.01E-07	0.00807
5860	489103.18	3859957.77	0.5308	0.65565	0.49914	0.84743	9.68E-04	5.6E-05	0.00265	9E-07	0.00368	1.19E-03	6.84E-05	0.003242	5.06E-07	4.50E-03	0.001045	5.26E-05	0.006982	5.23E-07	0.008081
5861	489201.48	3860046.59	0.51246	0.64489	0.48379	0.81504	9.34E-04	5.5E-05	0.00257	8.7E-07	0.00356	1.14E-03	6.72E-05	0.003142	4.86E-07	4.35E-03	0.001009	5.17E-05	0.006768	5.03E-07	0.007829
5862	489200.11	3860136.61	0.48401	0.58658	0.47418	0.76104	8.82E-04	5E-05	0.00252	8.1E-07	0.00345	1.08E-03	6.12E-05	0.00308	4.54E-07	4.22E-03	0.000953	4.71E-05	0.006633	4.69E-07	0.007634
5863	489198.74	3860226.63	0.46304	0.56587	0.4554	0.72827	8.44E-04	4.8E-05	0.00242	7.8E-07	0.00331	1.03E-03	5.9E-05	0.002958	4.35E-07	4.05E-03	0.000912	4.54E-05	0.006371	4.49E-07	0.007328
5864	489197.38	3860316.65	0.44286	0.57474	0.44261	0.7034	8.07E-04	4.9E-05	0.00235	7.5E-07	0.00321	9.89E-04	5.99E-05	0.002875	4.2E-07	3.92E-03	0.000872	4.61E-05	0.006192	4.34E-07	0.00711
5865	489196.01	3860406.68	0.41666	0.556	0.43703	0.68929	7.59E-04	4.7E-05	0.00232	7.4E-07	0.00313	9.31E-04	5.8E-05	0.002839	4.11E-07	3.83E-03	0.000821	4.46E-05	0.006114	4.25E-07	0.006979
5866	489194.64	3860496.7	0.39364	0.51897	0.40591	0.64744	7.18E-04	4.4E-05	0.00216	6.9E-07	0.00292	8.79E-04	5.41E-05	0.002637	3.86E-07	3.57E-03	0.000775	4.16E-05	0.005678	3.99E-07	0.006496
5867	489193.27	3860586.72	0.38155	0.47469	0.39605	0.60955	6.95E-04	4E-05	0.0021	6.5E-07	0.00284	8.52E-04	4.95E-05	0.002572	3.64E-07	3.47E-03	0.000751	3.81E-05	0.00554	3.76E-07	0.00633
5868	489092.02	3860678.13	0.36191	0.43726	0.38431	0.54423	6.60E-04	3.7E-05	0.00204	5.8E-07	0.00274	8.08E-04	4.56E-05	0.002496	3.25E-07	3.35E-03	0.000713	3.51E-05	0.005376	3.36E-07	0.006124
5869	488992.13	3860679.52	0.3512	0.45162	0.37375	0.53654	6.40E-04	3.8E-05	0.00199	5.7E-07	0.00266	7.84E-04	4.71E-05	0.002428	3.2E-07	3.26E-03	0.000692	3.62E-05	0.005228	3.31E-07	0.005957
5870	488892.24	3860680.92	0.33883	0.43861	0.38933	0.53148	6.18E-04	3.7E-05	0.00207	5.7E-07	0.00272	7.57E-04	4.57E-05	0.002529	3.17E-07	3.33E-03	0.000667	3.52E-05	0.005446	3.28E-07	0.006149
5871	488792.36	3860682.31	0.33415	0.42446	0.37599	0.52973	6.09E-04	3.6E-05	0.002	5.7E-07	0.00264	7.46E-04	4.43E-05	0.002442	3.16E-07	3.23E-03	0.000658	3.4E-05	0.00526	3.27E-07	0.005952
5872	488692.47	3860683.7	0.32792	0.44136	0.35353	0.5173	5.98E-04	3.8E-05	0.00188	5.5E-07	0.00251	7.32E-04	4.6E-05	0.002296	3.09E-07	3.08E-03	0.000646	3.54E-05	0.004946	3.19E-07	0.005627
5873	488592.59	3860685.1	0.32148	0.44473	0.33763	0.49712	5.86E-04	3.8E-05	0.00179	5.3E-07	0.00242	7.18E-04	4.64E-05	0.002193	2.97E-07	2.96E-03	0.000633	3.57E-05	0.004723	3.07E-07	0.005392
5874	488492.71	3860686.49	0.31586	0.45657	0.35519	0.4946	5.76E-04	3.9E-05	0.00189	5.3E-07	0.0025	7.06E-04	4.76E-05	0.002307	2.95E-07	3.06E-03	0.000622	3.66E-05	0.004969	3.05E-07	0.005628
5875	488299.07	3860762.18	0.30899	0.46653	0.32049	0.43792	5.63E-04	4E-05	0.0017	4.7E-07	0.00231	6.90E-04	4.86E-05	0.002082	2.61E-07	2.82E-03	0.000609	3.74E-05	0.004483	2.7E-07	0.00513
5876	488205.32	3860764.09	0.30354	0.48181	0.30928	0.44179	5.53E-04	4.1E-05	0.00164	4.7E-07	0.00224	6.78E-04	5.02E-05	0.002009	2.64E-07	2.74E-03	0.000598	3.86E-05	0.004327	2.72E-07	0.004963
5877	488111.56	3860766	0.29478	0.46675	0.30336	0.429	5.37E-04	4E-05	0.00161	4.6E-07	0.00219	6.58E-04	4.87E-05	0.00197	2.56E-07	2.68E-03	0.000581	3.74E-05	0.004244	2.65E-07	0.004862
5878	488017.81	3860767.91	0.28905	0.46716	0.29703	0.42558	5.27E-04	4E-05	0.00158	4.5E-07	0.00215	6.46E-04	4.87E-05	0.001929	2.54E-07	2.62E-03	0.000569	3.75E-05	0.004155	2.62E-07	0.004762
5879	487924.06	3860769.81	0.28396	0.42434	0.29252	0.41599	5.18E-04	3.6E-05	0.00155	4.4E-07	0.00211	6.34E-04	4.42E-05	0.0019	2.48E-07	2.58E-03	0.000559	3.4E-05	0.004092	2.56E-07	0.004686
5880	487830.31	3860771.72	0.27686	0.40863	0.28976	0.42532	5.05E-04	3.5E-05	0.00154	4.5E-07	0.00208	6.18E-04	4.26E-05	0.001882	2.54E-07	2.54E-03	0.000545	3.28E-05	0.004053	2.62E-07	0.004632
5881	487736.55	3860773.63	0.276	0.38835	0.29076	0.42135	5.03E-04	3.3E-05	0.00154	4.5E-07	0.00208	6.17E-04	4.05E-05	0.001889	2.51E-07	2.55E-03	0.000544	3.12E-05	0.004067	2.6E-07	0.004642
5882	487642.8	3860775.54	0.27676	0.39154	0.29514	0.41195	5.04E-04	3.3E-05	0.00157	4.4E-07	0.00211	6.18E-04	4.08E-05	0.001917	2.46E-07	2.58E-03	0.000545	3.14E-05	0.004129	2.54E-07	0.004705
5883	487549.48	3860684.71	0.28596	0.43092	0.30421	0.4217	5.21E-04	3.7E-05	0.00162	4.5E-07	0.00217	6.39E-04	4.49E-05	0.001976	2.52E-07	2.66E-03	0.000563	3.46E-05	0.004256	2.6E-07	0.004854
5884	487549.91	3860591.97	0.29547	0.44724	0.31299	0.43059	5.39E-04	3.8E-05	0.00166	4.6E-07	0.00224	6.60E-04	4.66E-05	0.002033	2.57E-07	2.74E-03	0.000582	3.59E-05	0.004378	2.65E-07	0.004996
5885	487550.34	3860499.23	0.30684	0.46184	0.32032	0.44135	5.59E-04	3.9E-05	0.0017	4.7E-07	0.0023	6.85E-04	4.82E-05	0.002081	2.63E-07	2.81E-03	0.000604	3.7E-05	0.004481	2.72E-07	0.005123
5886	487550.76	3860406.49	0.31867	0.47509	0.32875	0.45514	5.81E-04	4E-05	0.00175	4.9E-07	0.00237	7.12E-04	4.95E-05	0.002135	2.72E-07	2.90E-03	0.000628	3.81E-05	0.004599	2.81E-07	0.005265
5887	487551.19	3860313.75	0.32975	0.49921	0.3361	0.46996	6.01E-04	4.2E-05	0.00179	5E-07	0.00243	7.37E-04	5.21E-05	0.002183	2.8E-07	2.97E-03	0.000649	4E-05	0.004702	2.9E-07	0.005391
5888	487551.62	3860221.01	0.34163	0.51442	0.34471	0.48492	6.23E-04	4.4E-05	0.00183	5.2E-07	0.0025	7.63E-04	5.36E-05	0.002239	2.89E-07	3.06E-03	0.000673	4.13E-05	0.004822	2.99E-07	0.005537
5889	487552.05	3860128.27	0.35782	0.5298	0.35851	0.50133	6.52E-04	4.5E-05	0.0019	5.3E-07	0.0026	7.99E-04	5.52E-05	0.002329	2.99E-07	3.18E-03	0.000705	4.25E-05	0.005015	3.09E-07	0.005763
5890	487552.48	3860035.53	0.37539	0.55405	0.3689	0.5322	6.84E-04	4.7E-05	0.00196	5.7E-07	0.00269	8.39E-04	5.78E-05	0.002396	3.18E-07	3.29E-03	0.000739	4.44E-05	0.005161	3.28E-07	0.005945
5891	487552.91	3859942.79	0.39193	0.56888	0.37565	0.55941	7.14E-04	4.8E-05	0.002	6E-07	0.00276	8.75E-04	5.93E-05	0.00244	3.34E-07	3.38E-03	0.000772	4.56E-05	0.005255	3.45E-07	0.006073
5892	487553.33	3859850.05	0.41483	0.60771	0.39464	0.58615	7.56E-04	5.2E-05	0.0021	6.3E-07	0.00291	9.27E-04	6.34E-05	0.002563	3.5E-07	3.55E-03	0.000817	4.87E-05	0.005521	3.61E-07	0.006387
5893	487553.76	3859757.31	0.44274	0.65313	0.42201	0.61932	8.07E-04	5.6E-05	0.00224	6.6E-07	0.00311	9.89E-04	6.81E-05	0.002741	3.7E-07	3.80E-03	0.000872	5.24E-05	0.005903	3.82E-07	0.006828
5894	487554.19	3859664.57	0.47044	0.69723	0.44557	0.64954	8.58E-04	5.9E-05	0.00237	6.9E-07	0.00328	1.05E-03	7.27E-05	0.002894	3.88E-07	4.02E-03	0.000927	5.59E-05	0.006233	4E-07	0.007216
5895	487460.2	3859571.05	0.48535	0.71476	0.45784	0.6842	8.85E-04	6.1E-05	0.00243	7.3E-07	0.00338	1.08E-03	7.45E-05	0.002974	4.08E-07	4.13E-03	0.000956	5.73E-05	0.006405	4.22E-07	0.007418
5896	487365.78	3859570.27	0.46687	0.73438	0.44757	0.69931	8.51E-04	6.2E-05	0.00238	7.5E-07	0.00329	1.04E-03	7.66E-05	0.002907	4.17E-07	4.03E-03	0.000919	5.89E-05	0.006261	4.31E-07	0.00724
5897	487271.36	3859569.48	0.45439	0.73051	0.44466	0.68385	8.28E-04	6.2E-05	0.00236	7.3E-07	0.00325	1.01E-03	7.62E-05	0.002888	4.08E-07	3.98E-03	0.000895	5.86E-05	0.00622	4.22E-07	0.007174
5898	487176.94	3859568.7	0.4471	0.73806	0.43872	0.68973	8.15E-04	6.3E-05	0.00233	7.4E-07	0.00321	9.99E-04	7.7E-05	0.00285	4.12E-07	3.93E-03	0.000881	5.92E-05	0.006137	4.25E-07	0.007077
5899	487082.51	3859567.92	0.44177	0.68573	0.43649	0.69127	8.05E-04	5.8E-05	0.00232	7.4E-07	0.00318	9.87E-04	7.15E-05	0.002835	4.13E-07	3.89E-03	0.00087	5.5E-05	0.006106	4.26E-07	0.007032
5900	486988.09	3859567.14	0.44024	0.71012	0.43063	0.67124	8.02E-04	6E-05	0.00229	7.2E-07	0.00315	9.83E-04	7.4E-05	0.002797	4.01E-07	3.85E-03	0.000867	5.7E-05	0.006024	4.14E-07	0.006948
5901	486893.67	3859566.36	0.43445	0.75764	0.43193	0.6699	7.92E-04	6.4E-05	0.00229	7.1E-07	0.00315	9.70E-04	7.9E-05	0.002806	4E-07	3.86E-03	0.000856	6.08E-05	0.006042	4.13E-07	0.006959
5902	486799.25	3859565.58	0.43878	0.79592	0.43039	0.65901	8.00E-04	6.8E-05	0.00229	7E-07	0.00315	9.80E-04	8.3E-05	0.002796	3.93E-07	3.86E-03	0.000864	6.38E-05	0.006021	4.06E-07	0.006949
5903	486704.83	3859564.79	0.44151	0.80321	0.42658	0.65601	8.05E-04	6.8E-05	0.00227	7E-07	0.00314	9.86E-04	8.38E-05	0.002771	3.92E-07	3.84E-03	0.00087	6.44E-05	0.005967	4.04E-07	0.006902
5904	486610.41	3859564.01	0.44141	0.80456	0.43608	0.6441	8.05E-04	6.8E-05	0.00232	6.9E-07	0.00319	9.86E-04	8.39E-05	0.002832	3.84E-07	3.90E-03	0.000869	6.45E-05	0.0061	3.97E-07	0.007035
5905	486515.99	3859563.23	0.43264	0.75725	0.44413	0.63218	7.89E-04	6.4E-05	0.00236	6.7E-07	0.00321	9.66E-04	7.9E-05	0.002885	3.77E-07	3.93E-03	0.000852	6.07E-05	0.006213	3.9E-07	0.007126
5906	486421.57	3859562.45	0.42782	0.75621	0.45009	0.63209	7.80E-04	6.4E-05	0.00239	6.7E-07	0.00324	9.56E-04	7.89E-05	0.002923	3.77E-07	3.96E-03	0.000843	6.07E-05	0.006296	3.9E-07	0.0072
5907	486327.14	3859561.67	0.42099	0.71975	0.43778	0.62428	7.67E-04	6.1E-05	0.00233	6.7E-07	0.00316	9.40E-04	7.51E-05	0.002844	3.73E-07	3.86E-03	0.000829	5.77E-05	0.006124	3.85E-07	0.007011
5908	486232.72	3859560.89	0.41956	0.72063	0.42899	0.62133	7.65E-04	6.1E-05	0.00228	6.6E-07	0.00311	9.37E-04	7.51E-05	0.002786	3.71E-07	3.80E-03	0.000826	5.78E-05	0.006001	3.83E-07	0.006886
5909	486138.3	3859560.1	0.4204	0.72995	0.42481	0.61816	7.66E-04	6.2E-05	0.00226	6.6E-07	0.00309	9.39E-04	7.61E-05	0.002759	3.69E-07	3.77E-03	0.000828	5.86E-05	0.005943	3.81E-07	0.00683
5910	486043.88	3859559.32	0.4178	0.75551	0.42508	0.61625	7.62E-04	6.4E-05	0.00226	6.6E-07	0.00309	9.33E-04	7.88E-05	0.002761	3.68E-07	3.77E-03	0.000823	6.06E-05	0.005946	3.8E-07	0.00683
5911	485949.35	3859463.54	0.43608	0.80048	0.43139	0.64511	7.95E-04	6.8E-05	0.00229	6.9E-07	0.00316	9.74E-04	8.35E-05	0.002802	3.85E-07	3.86E-03	0.000859	6.42E-05	0.006035	3.98E-07	0.006958
5912	485949.24	3859368.55	0.45772	0.84723	0.44837	0.68994	8.34E-04	7.2E-05	0.00238	7.4E-07	0.00329	1.02E-03	8.83E-05	0.002912	4.12E-07	4.02E-03	0.000901	6.8E-05	0.006272	4.25E-07	0.007242
5913	485949.12	3859273.55	0.48549	0.87991	0.4756	0.74307	8.85E-04	7.5E-05	0.00253	7.9E-07	0.00349	1.08E-03	9.18E-05	0.003089	4.43E-07	4.27E-03	0.000956	7.06E-05	0.006653	4.58E-07	0.00768

5914	485949.01	3859178.56	0.51085	0.92247	0.50129	0.78624		9.31E-04	7.8E-05	0.00266	8.4E-07	0.00367		1.14E-03	9.62E-05	0.003256	4.69E-07	4.49E-03		0.001006	7.4E-05	0.007013	4.85E-07	0.008093
5915	485948.9	3859083.56	0.54345	0.95622	0.52699	0.83698		9.91E-04	8.1E-05	0.0028	8.9E-07	0.00387		1.21E-03	9.97E-05	0.003423	5E-07	4.74E-03		0.00107	7.67E-05	0.007372	5.16E-07	0.00852
5916	485948.79	3858988.56	0.56806	0.96626	0.56053	0.89113		1.04E-03	8.2E-05	0.00298	9.5E-07	0.0041		1.27E-03	0.000101	0.003641	5.32E-07	5.01E-03		0.001119	7.75E-05	0.007841	5.49E-07	0.009038
5917	485948.67	3858893.57	0.59186	1.00586	0.59071	0.95897		1.08E-03	8.6E-05	0.00314	1E-06	0.0043		1.32E-03	0.000105	0.003837	5.72E-07	5.26E-03		0.001166	8.07E-05	0.008263	5.91E-07	0.00951
5918	485948.56	3858798.57	0.6182	1.10876	0.62558	1.0204		1.13E-03	9.4E-05	0.00332	1.1E-06	0.00455		1.38E-03	0.000116	0.004063	6.09E-07	5.56E-03		0.001218	8.89E-05	0.008751	6.29E-07	0.010058
5919	485948.45	3858703.58	0.64505	1.11212	0.65198	1.07683		1.18E-03	9.5E-05	0.00346	1.1E-06	0.00474		1.44E-03	0.000116	0.004235	6.43E-07	5.79E-03		0.00127	8.92E-05	0.009121	6.64E-07	0.010481
5920	485948.34	3858608.58	0.68328	1.15835	0.68724	1.14126		1.25E-03	9.9E-05	0.00365	1.2E-06	0.005		1.53E-03	0.000121	0.004464	6.81E-07	6.11E-03		0.001346	9.29E-05	0.009614	7.04E-07	0.011053
5921	485948.22	3858513.59	0.72753	1.21405	0.71974	1.19414		1.33E-03	0.0001	0.00382	1.3E-06	0.00525		1.63E-03	0.000127	0.004675	7.13E-07	6.43E-03		0.001433	9.74E-05	0.010068	7.36E-07	0.011599
5922	485948.11	3858418.59	0.76242	1.31422	0.75452	1.26652		1.39E-03	0.00011	0.00401	1.4E-06	0.00551		1.70E-03	0.000137	0.004901	7.56E-07	6.74E-03		0.001502	0.000105	0.010555	7.81E-07	0.012163
5923	485948	3858323.59	0.82449	1.50002	0.80394	1.35059		1.50E-03	0.00013	0.00427	1.4E-06	0.0059		1.84E-03	0.000156	0.005222	8.06E-07	7.22E-03		0.001624	0.00012	0.011246	8.33E-07	0.012991
5924	485947.89	3858228.6	0.89113	1.70394	0.86683	1.45497		1.62E-03	0.00014	0.00461	1.6E-06	0.00638		1.99E-03	0.000178	0.00563	8.68E-07	7.80E-03		0.001755	0.000137	0.012126	8.97E-07	0.014019
5925	485947.77	3858133.6	0.95515	1.78814	0.91577	1.54415		1.74E-03	0.00015	0.00487	1.6E-06	0.00676		2.13E-03	0.000186	0.005948	9.22E-07	8.27E-03		0.001881	0.000143	0.012811	9.52E-07	0.014836
5926	485947.66	3858038.61	1.03467	1.93465	1.00374	1.64931		1.89E-03	0.00016	0.00533	1.8E-06	0.00739		2.31E-03	0.000202	0.00652	9.84E-07	9.03E-03		0.002038	0.000155	0.014041	1.02E-06	0.016235
5927	485854.54	3857943.35	1.05724	1.94663	1.09739	1.67414		1.93E-03	0.00017	0.00583	1.8E-06	0.00793		2.36E-03	0.000203	0.007128	9.99E-07	9.69E-03		0.002082	0.000156	0.015351	1.03E-06	0.017591
5928	485761.52	3857943.09	1.02028	1.81346	1.07528	1.60455		1.86E-03	0.00015	0.00571	1.7E-06	0.00773		2.28E-03	0.000189	0.006984	9.58E-07	9.45E-03		0.002009	0.000145	0.015042	9.89E-07	0.017198
5929	485668.51	3857942.83	0.99572	1.68256	1.07686	1.56514		1.82E-03	0.00014	0.00572	1.7E-06	0.00768		2.22E-03	0.000175	0.006995	9.34E-07	9.40E-03		0.001961	0.000135	0.015064	9.65E-07	0.017161
5930	485575.5	3857942.56	0.97263	1.54043	1.07443	1.52381		1.77E-03	0.00013	0.00571	1.6E-06	0.00761		2.17E-03	0.000161	0.006979	9.09E-07	9.31E-03		0.001916	0.000124	0.01503	9.4E-07	0.01707
5931	485482.48	3857942.3	0.95641	1.47206	1.07916	1.48719		1.74E-03	0.00013	0.00573	1.6E-06	0.0076		2.14E-03	0.000154	0.007009	8.88E-07	9.30E-03		0.001884	0.000118	0.015096	9.17E-07	0.017099
5932	485389.47	3857942.04	0.93795	1.36647	1.06575	1.43297		1.71E-03	0.00012	0.00566	1.5E-06	0.00749		2.10E-03	0.000142	0.006922	8.55E-07	9.16E-03		0.001847	0.00011	0.014909	8.84E-07	0.016867
5933	485296.46	3857941.78	0.91911	1.24933	1.04884	1.3655		1.68E-03	0.00011	0.00557	1.5E-06	0.00736		2.05E-03	0.00013	0.006813	8.15E-07	9.00E-03		0.00181	0.0001	0.014672	8.42E-07	0.016583
5934	485203.45	3857941.52	0.90762	1.19917	1.04353	1.33449		1.65E-03	0.0001	0.00554	1.4E-06	0.0073		2.03E-03	0.000125	0.006778	7.96E-07	8.93E-03		0.001788	9.62E-05	0.014598	8.23E-07	0.016482
5935	485110.43	3857941.26	0.89268	1.13039	1.02788	1.29941		1.63E-03	9.6E-05	0.00546	1.4E-06	0.00719		1.99E-03	0.000118	0.006676	7.76E-07	8.79E-03		0.001758	9.07E-05	0.014379	8.01E-07	0.016229
5936	485017.42	3857940.99	0.87668	1.08913	1.01181	1.26672		1.60E-03	9.3E-05	0.00538	1.4E-06	0.00707		1.96E-03	0.000114	0.006572	7.56E-07	8.64E-03		0.001727	8.74E-05	0.014154	7.81E-07	0.015969
5937	484924.41	3857940.73	0.86139	1.08907	0.97941	1.24245		1.57E-03	9.3E-05	0.0052	1.3E-06	0.00687		1.92E-03	0.000114	0.006362	7.42E-07	8.40E-03		0.001696	8.74E-05	0.013701	7.66E-07	0.015486
5938	484831.39	3857940.47	0.8409	1.07713	0.96821	1.21591		1.53E-03	9.2E-05	0.00514	1.3E-06	0.00677		1.88E-03	0.000112	0.006289	7.26E-07	8.28E-03		0.001656	8.64E-05	0.013544	7.5E-07	0.015288
5939	484738.12	3857859.3	0.84919	1.04524	0.99337	1.21961		1.55E-03	8.9E-05	0.00528	1.3E-06	0.00692		1.90E-03	0.000109	0.006452	7.28E-07	8.46E-03		0.001672	8.38E-05	0.013896	7.52E-07	0.015653
5940	484737.85	3857778.4	0.87633	1.03331	1.04469	1.26461		1.60E-03	8.8E-05	0.00555	1.3E-06	0.00724		1.96E-03	0.000108	0.006786	7.55E-07	8.85E-03		0.001726	8.29E-05	0.014614	7.8E-07	0.016424
5941	484737.59	3857697.49	0.90275	1.04786	1.10753	1.31501		1.65E-03	8.9E-05	0.00588	1.4E-06	0.00762		2.02E-03	0.000109	0.007194	7.85E-07	9.32E-03		0.001778	8.41E-05	0.015493	8.11E-07	0.017356
5942	484737.32	3857616.59	0.93528	1.06655	1.1479	1.36086		1.70E-03	9.1E-05	0.0061	1.5E-06	0.0079		2.09E-03	0.000111	0.007456	8.12E-07	9.66E-03		0.001842	8.56E-05	0.016058	8.39E-07	0.017986
5943	484645.53	3857535.18	0.95099	1.07133	1.18334	1.38781		1.73E-03	9.1E-05	0.00629	1.5E-06	0.00811		2.12E-03	0.000112	0.007686	8.28E-07	9.92E-03		0.001873	8.59E-05	0.016554	8.56E-07	0.018513
5944	484553.99	3857534.67	0.92733	1.00318	1.1613	1.35002		1.69E-03	8.5E-05	0.00617	1.4E-06	0.00795		2.07E-03	0.000105	0.007543	8.06E-07	9.72E-03		0.001826	8.05E-05	0.016245	8.32E-07	0.018153
5945	484462.46	3857534.17	0.90694	0.96007	1.13722	1.31982		1.65E-03	8.2E-05	0.00604	1.4E-06	0.00778		2.03E-03	0.0001	0.007387	7.88E-07	9.51E-03		0.001786	7.7E-05	0.015909	8.14E-07	0.017773
5946	484370.93	3857533.66	0.88528	0.93553	1.11499	1.29149		1.61E-03	8E-05	0.00592	1.4E-06	0.00762		1.98E-03	9.76E-05	0.007242	7.71E-07	9.32E-03		0.001744	7.5E-05	0.015598	7.96E-07	0.017417
5947	484279.4	3857533.16	0.86417	0.90049	1.09629	1.2621		1.58E-03	7.7E-05	0.00582	1.3E-06	0.00748		1.93E-03	9.39E-05	0.007121	7.53E-07	9.15E-03		0.001702	7.22E-05	0.015336	7.78E-07	0.017111
5948	484187.86	3857532.65	0.84649	0.88147	1.07595	1.22026		1.54E-03	7.5E-05	0.00572	1.3E-06	0.00734		1.89E-03	9.19E-05	0.006989	7.28E-07	8.97E-03		0.001667	7.07E-05	0.015051	7.52E-07	0.01679
5949	484096.33	3857532.15	0.83012	0.88181	1.05715	1.18523		1.51E-03	7.5E-05	0.00562	1.3E-06	0.00721		1.85E-03	9.2E-05	0.006867	7.07E-07	8.81E-03		0.001635	7.07E-05	0.014788	7.31E-07	0.016495
5950	484004.8	3857531.64	0.81057	0.87079	1.03435	1.13329		1.48E-03	7.4E-05	0.0055	1.2E-06	0.00705		1.81E-03	9.08E-05	0.006718	6.76E-07	8.62E-03		0.001596	6.99E-05	0.01447	6.99E-07	0.016136
5951	483913.27	3857531.14	0.79013	0.8741	1.00715	1.091		1.44E-03	7.4E-05	0.00535	1.2E-06	0.00687		1.76E-03	9.11E-05	0.006542	6.51E-07	8.40E-03		0.001556	7.01E-05	0.014089	6.73E-07	0.015716
5952	483821.73	3857530.63	0.77517	0.84647	0.98497	1.0579		1.41E-03	7.2E-05	0.00523	1.1E-06	0.00672		1.73E-03	8.83E-05	0.006398	6.31E-07	8.22E-03		0.001527	6.79E-05	0.013779	6.52E-07	0.015374
5953	483729.61	3857450.11	0.78304	0.85551	0.97736	1.05089		1.43E-03	7.3E-05	0.00519	1.1E-06	0.00669		1.75E-03	8.92E-05	0.006348	6.27E-07	8.19E-03		0.001542	6.86E-05	0.013672	6.48E-07	0.015284
5954	483729.03	3857370.08	0.811	0.88762	1.01926	1.08342		1.48E-03	7.6E-05	0.00542	1.2E-06	0.00697		1.81E-03	9.26E-05	0.00662	6.47E-07	8.53E-03		0.001597	7.12E-05	0.014258	6.68E-07	0.015928
5955	483728.44	3857290.06	0.83569	0.89451	1.04403	1.13756		1.52E-03	7.6E-05	0.00555	1.2E-06	0.00715		1.87E-03	9.33E-05	0.006781	6.79E-07	8.74E-03		0.001646	7.18E-05	0.014605	7.01E-07	0.016323
5956	483727.86	3857210.03	0.85861	0.96807	1.06039	1.16865		1.57E-03	8.2E-05	0.00563	1.2E-06	0.00728		1.92E-03	0.000101	0.006888	6.98E-07	8.91E-03		0.001691	7.77E-05	0.014834	7.21E-07	0.016603
5957	483641.15	3857129.07	0.86478	0.93473	1.02932	1.1621		1.58E-03	8E-05	0.00547	1.2E-06	0.00713		1.93E-03	9.75E-05	0.006686	6.94E-07	8.72E-03		0.001703	7.5E-05	0.014399	7.17E-07	0.016178
5958	483555.03	3857128.14	0.84702	0.90539	0.98904	1.11855		1.54E-03	7.7E-05	0.00525	1.2E-06	0.00688		1.89E-03	9.44E-05	0.006424	6.68E-07	8.41E-03		0.001668	7.26E-05	0.013836	6.9E-07	0.015577
5959	483468.91	3857127.2	0.82345	0.89698	0.95946	1.07307		1.50E-03	7.6E-05	0.0051	1.1E-06	0.00668		1.84E-03	9.35E-05	0.006232	6.4E-07	8.17E-03		0.001622	7.2E-05	0.013422	6.62E-07	0.015116
5960	483382.78	3857126.26	0.80777	0.93092	0.94399	1.03111		1.47E-03	7.9E-05	0.00502	1.1E-06	0.00657		1.80E-03	9.71E-05	0.006131	6.15E-07	8.03E-03		0.001591	7.47E-05	0.013205	6.36E-07	0.014872
5961	483296.66	3857125.32	0.78298	0.94677	0.91942	0.98663		1.43E-03	8.1E-05	0.00489	1.1E-06	0.00639		1.75E-03	9.87E-05	0.005972	5.89E-07	7.82E-03		0.001542	7.59E-05	0.012862	6.08E-07	0.01448
5962	483210.54	3857124.39	0.75774	0.93946	0.89617	0.9618		1.38E-03	8E-05	0.00476	1E-06	0.00622		1.69E-03	9.8E-05	0.005821	5.74E-07	7.61E-03		0.001492	7.54E-05	0.012537	5.93E-07	0.014105
5963	483123.4	3857030.96	0.75766	0.94411	0.87866	0.94893		1.38E-03	8E-05	0.00467	1E-06	0.00613		1.69E-03	9.84E-05	0.005707	5.66E-07	7.50E-03		0.001492	7.57E-05	0.012292	5.85E-07	0.01386
5964	483122.38	3856938.46	0.78375	0.99002	0.90123	0.97528		1.43E-03	8.4E-05	0.00479	1E-06	0.0063		1.75E-03	0.000103	0.005854	5.82E-07	7.71E-03		0.001544	7.94E-05	0.012607	6.01E-07	0.014231
5965	483121.35	3856845.97	0.8061	1.03013	0.93086	0.98831		1.47E-03	8.8E-05	0.00495	1.1E-06	0.0065		1.80E-03	0.000107	0.006046	5.9E-07	7.95E-03		0.001588	8.26E-05	0.013022	6.09E-07	0.014693
5966	483120.33	3856753.47	0.82105	1.0364	0.95548	1.02604		1.50E-03	8.8E-05	0.00508	1.1E-06	0.00666		1.83E-03	0.000108	0.006206	6.12E-07	8.15E-03		0.001617	8.31E-05	0.013366	6.33E-07	0.015067
5967	483119.31	3856660.98	0.84215	1.05621	0.9795	1.06166		1.54E-03	9E-05	0.0052	1.1E-06	0.00683		1.88E-03	0.00011	0.006362	6.34E-07	8.35E-03		0.001659	8.47E-05	0.013702	6.55E-07	0.015446
5968	483118.29	3856568.49	0.8636	1.08219	0.99857	1.08065		1.57E-03	9.2E-05	0.00531	1.2E-06	0.00697		1.93E-03	0.000113	0.006486	6.45E-07	8.53E-03		0.001701	8.68E-05	0.013969	6.66E-07	0.015757
5969	483117.26	3856475.99	0.88477	1.20722	1.03014	1.10297		1.61E-03	0.0001	0.00547	1.2E-06	0.00719		1.98E-03	0.000126	0.006691	6.58E-07	8.79E-03		0.001743	9.68E-05	0.014411	6.8E-07	0.016251
5970	483116.24	3856383.5	0.91311	1.24815	1.05114	1.12768		1.66E-03	0.00011	0.00558	1.2E-06	0.00736		2.04E-03	0.00013	0.006827	6.73E-07	9.00E-03		0.001798	0.0001	0.014704	6.95E-07	0.016604
5971	483115.22	3856291.01	0.93881	1.25962	1.07926	1.13563		1.71E-03	0.00011	0.00573	1.2E-06	0.00755		2.10E-03	0.000131	0.00701	6.78E-07	9.24E-03		0.001849	0.000101	0.015098	7E-07	0.017048
5972	483114.2	3856198.51	0.95789	1.31822	1.11024	1.138		1.75E-03	0.00011	0.0059	1.2E-06	0.00776		2.14E-03	0.000137	0.007211	6.79E-07	9.49E-03		0.001887	0.000106	0.015531	7.02E-07	0.017524
5973	483113.17	3856106.02	0.9907	1.4254	1.14692	1.14136		1.81E-03	0.00012	0.00609	1.2E-06	0.00802		2.21E-03	0.000149	0.00745	6.81E-07	9.81E-03		0.001951	0.000114	0.016044	7.04E-07	0.01811
5974	483112.15	3856013.52	1.02206	1.46197	1.1748	1.12256		1.86E-03	0.00012	0.00624	1.2E-06	0.00823		2.28E-03	0.000152	0.007631	6.7E-07	1.01E-02		0.002013	0.000117	0.016434	6.92E-07	0.018565

5975	483029.25	3855920.47	1.01506	1.51069	1.16372	0.97962		1.85E-03	0.00013	0.00618	1E-06	0.00816		2.27E-03	0.000158	0.007559	5.85E-07	9.98E-03		0.001999	0.000121	0.016279	6.04E-07	0.0184
5976	482947.37	3855919.91	0.98318	1.48921	1.11258	0.91565		1.79E-03	0.00013	0.00591	9.8E-07	0.00783		2.20E-03	0.000155	0.007227	5.46E-07	9.58E-03		0.001936	0.000119	0.015564	5.65E-07	0.01762
5977	482865.49	3855919.36	0.94705	1.44872	1.07181	0.8706		1.73E-03	0.00012	0.00569	9.3E-07	0.00755		2.12E-03	0.000151	0.006962	5.2E-07	9.23E-03		0.001865	0.000116	0.014994	5.37E-07	0.016975
5978	482783.61	3855918.8	0.91751	1.44239	1.02897	0.84028		1.67E-03	0.00012	0.00547	9E-07	0.00726		2.05E-03	0.00015	0.006683	5.02E-07	8.88E-03		0.001807	0.000116	0.014394	5.18E-07	0.016317
5979	482700.33	3855818.39	0.9107	1.4805	0.96635	0.80032		1.66E-03	0.00013	0.00513	8.5E-07	0.00692		2.03E-03	0.000154	0.006277	4.78E-07	8.47E-03		0.001794	0.000119	0.013518	4.93E-07	0.015431
5980	482698.92	3855718.54	0.93933	1.60617	0.9054	0.77166		1.71E-03	0.00014	0.00481	8.2E-07	0.00666		2.10E-03	0.000167	0.005881	4.61E-07	8.15E-03		0.00185	0.000129	0.012666	4.76E-07	0.014645
5981	482697.52	3855618.68	0.95095	1.56121	0.85691	0.79498		1.73E-03	0.00013	0.00455	8.5E-07	0.00642		2.12E-03	0.000163	0.005566	4.74E-07	7.85E-03		0.001873	0.000125	0.011987	4.9E-07	0.013986
5982	482696.11	3855518.83	0.95042	1.52123	0.84951	0.79224		1.73E-03	0.00013	0.00451	8.5E-07	0.00638		2.12E-03	0.000159	0.005518	4.73E-07	7.80E-03		0.001872	0.000122	0.011884	4.88E-07	0.013878
5983	482694.71	3855418.98	0.96051	1.50104	0.8466	0.80143		1.75E-03	0.00013	0.0045	8.5E-07	0.00638		2.15E-03	0.000157	0.005499	4.78E-07	7.80E-03		0.001892	0.00012	0.011843	4.94E-07	0.013856
5984	482693.3	3855319.13	0.96599	1.46823	0.82992	0.82235		1.76E-03	0.00012	0.00441	8.8E-07	0.0063		2.16E-03	0.000153	0.005391	4.91E-07	7.70E-03		0.001902	0.000118	0.01161	5.07E-07	0.013631
5985	482691.9	3855219.27	0.98272	1.46845	0.8233	0.8349		1.79E-03	0.00012	0.00437	8.9E-07	0.00629		2.20E-03	0.000153	0.005348	4.98E-07	7.70E-03		0.001935	0.000118	0.011517	5.15E-07	0.013571
5986	482690.49	3855119.42	0.98657	1.47577	0.88159	0.85997		1.80E-03	0.00013	0.00468	9.2E-07	0.00661		2.20E-03	0.000154	0.005726	5.13E-07	8.08E-03		0.001943	0.000118	0.012333	5.3E-07	0.014394
5987	482689.09	3855019.57	1.02126	1.5765	0.93184	0.82179		1.86E-03	0.00013	0.00495	8.8E-07	0.00695		2.28E-03	0.000164	0.006053	4.9E-07	8.50E-03		0.002011	0.000126	0.013036	5.07E-07	0.015174
5988	482687.68	3854919.71	1.0791	1.52875	0.91875	0.78157		1.97E-03	0.00013	0.00488	8.3E-07	0.00698		2.41E-03	0.000159	0.005968	4.66E-07	8.54E-03		0.002125	0.000123	0.012852	4.82E-07	0.015101
5989	482686.28	3854819.86	1.143	1.56946	0.93349	0.72895		2.08E-03	0.00013	0.00496	7.8E-07	0.00718		2.55E-03	0.000164	0.006063	4.35E-07	8.78E-03		0.002251	0.000126	0.013059	4.49E-07	0.015436
5990	482684.88	3854720.01	1.13985	1.60815	0.85099	0.74421		2.08E-03	0.00014	0.00452	7.9E-07	0.00674		2.55E-03	0.000168	0.005527	4.44E-07	8.24E-03		0.002245	0.000129	0.011904	4.59E-07	0.014279
5991	482683.47	3854620.16	1.19233	1.6553	0.83477	0.75579		2.17E-03	0.00014	0.00444	8.1E-07	0.00675		2.66E-03	0.000173	0.005422	4.51E-07	8.26E-03		0.002348	0.000133	0.011678	4.66E-07	0.014159
5992	482682.07	3854520.31	1.25564	1.56545	0.86268	0.75533		2.29E-03	0.00013	0.00458	8.1E-07	0.00701		2.80E-03	0.000163	0.005603	4.51E-07	8.57E-03		0.002473	0.000126	0.012068	4.66E-07	0.014667
5993	482680.66	3854420.45	1.30122	1.44076	0.87367	0.79411		2.37E-03	0.00012	0.00464	8.5E-07	0.00714		2.91E-03	0.00015	0.005675	4.74E-07	8.73E-03		0.002563	0.000116	0.012222	4.9E-07	0.014901
5994	482679.26	3854320.6	1.36317	1.21718	0.89271	0.80102		2.48E-03	0.0001	0.00474	8.5E-07	0.00733		3.04E-03	0.000127	0.005798	4.78E-07	8.97E-03		0.002685	9.76E-05	0.012488	4.94E-07	0.015271
5995	482677.85	3854220.75	1.3896	1.28918	0.92025	0.80549		2.53E-03	0.00011	0.00489	8.6E-07	0.00753		3.10E-03	0.000134	0.005977	4.81E-07	9.22E-03		0.002737	0.000103	0.012873	4.97E-07	0.015714
5996	482676.45	3854120.9	1.4811	1.2747	0.89288	0.74308		2.70E-03	0.00011	0.00474	7.9E-07	0.00755		3.31E-03	0.000133	0.0058	4.44E-07	9.24E-03		0.002917	0.000102	0.01249	4.58E-07	0.01551
5997	482675.04	3854021.04	1.49216	1.24802	0.81398	0.63406		2.72E-03	0.00011	0.00432	6.8E-07	0.00715		3.33E-03	0.00013	0.005287	3.78E-07	8.75E-03		0.002939	0.0001	0.011387	3.91E-07	0.014426
5998	482673.64	3853921.19	1.42222	1.08343	0.73171	0.68899		2.59E-03	9.2E-05	0.00389	7.3E-07	0.00657		3.18E-03	0.000113	0.004753	4.11E-07	8.04E-03		0.002801	8.69E-05	0.010236	4.25E-07	0.013124
5999	482672.23	3853821.34	1.3869	0.97946	0.70543	0.59793		2.53E-03	8.3E-05	0.00375	6.4E-07	0.00636		3.10E-03	0.000102	0.004582	3.57E-07	7.78E-03		0.002731	7.86E-05	0.009868	3.69E-07	0.012679
6000	482670.83	3853721.48	1.35838	0.914	0.6456	0.57992		2.48E-03	7.8E-05	0.00343	6.2E-07	0.00598		3.03E-03	9.53E-05	0.004193	3.46E-07	7.32E-03		0.002675	7.33E-05	0.009031	3.58E-07	0.01178
6001	482669.42	3853621.63	1.23	0.95115	0.6379	0.56289		2.24E-03	8.1E-05	0.00339	6E-07	0.00571		2.75E-03	9.92E-05	0.004143	3.36E-07	6.99E-03		0.002422	7.63E-05	0.008924	3.47E-07	0.011423
6002	482645.99	3853446.13	0.95797	0.83374	0.63094	0.50559		1.75E-03	7.1E-05	0.00335	5.4E-07	0.00517		2.14E-03	8.69E-05	0.004098	3.02E-07	6.33E-03		0.001887	6.69E-05	0.008826	3.12E-07	0.01078
6003	482623.97	3853370.48	0.80608	0.84367	0.60072	0.49342		1.47E-03	7.2E-05	0.00319	5.3E-07	0.00473		1.80E-03	8.8E-05	0.003902	2.94E-07	5.79E-03		0.001588	6.77E-05	0.008403	3.04E-07	0.010059
6004	482601.94	3853294.84	0.71447	0.86919	0.60467	0.51918		1.30E-03	7.4E-05	0.00321	5.5E-07	0.00459		1.60E-03	9.06E-05	0.003928	3.1E-07	5.61E-03		0.001407	6.97E-05	0.008459	3.2E-07	0.009936
6005	482531.29	3853133.44	0.64275	0.83057	0.62219	0.57708		1.17E-03	7.1E-05	0.00331	6.2E-07	0.00455		1.44E-03	8.66E-05	0.004041	3.44E-07	5.56E-03		0.001266	6.66E-05	0.008704	3.56E-07	0.010037
6006	482482.68	3853047.69	0.6131	0.80188	0.609	0.5768		1.12E-03	6.8E-05	0.00324	6.2E-07	0.00442		1.37E-03	8.36E-05	0.003956	3.44E-07	5.41E-03		0.001207	6.43E-05	0.008519	3.56E-07	0.009791
6007	482383.09	3852897.4	0.56595	0.70836	0.56811	0.57158		1.03E-03	6E-05	0.00302	6.1E-07	0.00411		1.26E-03	7.39E-05	0.00369	3.41E-07	5.03E-03		0.001115	5.68E-05	0.007947	3.52E-07	0.009119
6008	482265.64	3852765.26	0.53173	0.66042	0.53141	0.52525		9.69E-04	5.6E-05	0.00282	5.6E-07	0.00385		1.19E-03	6.89E-05	0.003452	3.13E-07	4.71E-03		0.001047	5.3E-05	0.007434	3.24E-07	0.008534
6009	482199.16	3852697.66	0.51659	0.6433	0.51639	0.50789		9.42E-04	5.5E-05	0.00274	5.4E-07	0.00374		1.15E-03	6.71E-05	0.003354	3.03E-07	4.58E-03		0.001017	5.16E-05	0.007224	3.13E-07	0.008293
6010	482132.69	3852630.07	0.50323	0.62686	0.50247	0.49704		9.17E-04	5.3E-05	0.00267	5.3E-07	0.00364		1.12E-03	6.54E-05	0.003264	2.97E-07	4.45E-03		0.000991	5.03E-05	0.007029	3.06E-07	0.008071
6011	482066.21	3852562.48	0.49106	0.60913	0.48916	0.48698		8.95E-04	5.2E-05	0.0026	5.2E-07	0.00355		1.10E-03	6.35E-05	0.003177	2.91E-07	4.34E-03		0.000967	4.89E-05	0.006843	3E-07	0.007859
6012	481999.74	3852494.89	0.47993	0.59146	0.47652	0.47694		8.75E-04	5E-05	0.00253	5.1E-07	0.00346		1.07E-03	6.17E-05	0.003095	2.85E-07	4.23E-03		0.000945	4.74E-05	0.006666	2.94E-07	0.007659
6013	481933.26	3852427.29	0.46931	0.57554	0.46437	0.46721		8.55E-04	4.9E-05	0.00247	5E-07	0.00337		1.05E-03	6E-05	0.003016	2.79E-07	4.12E-03		0.000924	4.62E-05	0.006496	2.88E-07	0.007467
6014	481866.79	3852359.7	0.45563	0.56258	0.4537	0.4585		8.31E-04	4.8E-05	0.00241	4.9E-07	0.00329		1.02E-03	5.87E-05	0.002947	2.74E-07	4.02E-03		0.000897	4.51E-05	0.006347	2.83E-07	0.00729
6015	481800.31	3852292.11	0.4447	0.54822	0.44405	0.44995		8.11E-04	4.7E-05	0.00236	4.8E-07	0.00322		9.93E-04	5.72E-05	0.002884	2.69E-07	3.94E-03		0.000876	4.4E-05	0.006212	2.77E-07	0.007132
6016	481733.84	3852224.52	0.43265	0.53549	0.43449	0.44079		7.89E-04	4.6E-05	0.00231	4.7E-07	0.00314		9.66E-04	5.58E-05	0.002822	2.63E-07	3.84E-03		0.000852	4.3E-05	0.006078	2.72E-07	0.006973
6017	481667.36	3852156.92	0.41944	0.52448	0.4259	0.43129		7.65E-04	4.5E-05	0.00226	4.6E-07	0.00307		9.37E-04	5.47E-05	0.002766	2.57E-07	3.76E-03		0.000826	4.21E-05	0.005958	2.66E-07	0.006826
6018	481600.89	3852089.33	0.4052	0.51129	0.41529	0.4226		7.39E-04	4.4E-05	0.00221	4.5E-07	0.00299		9.05E-04	5.33E-05	0.002697	2.52E-07	3.66E-03		0.000798	4.1E-05	0.005809	2.61E-07	0.006649
6019	481534.41	3852021.74	0.39349	0.49809	0.40466	0.41341		7.17E-04	4.2E-05	0.00215	4.4E-07	0.00291		8.79E-04	5.19E-05	0.002628	2.47E-07	3.56E-03		0.000775	4E-05	0.005661	2.55E-07	0.006476
6020	481467.94	3851954.15	0.38279	0.48597	0.39485	0.40383		6.98E-04	4.1E-05	0.0021	4.3E-07	0.00284		8.55E-04	5.07E-05	0.002565	2.41E-07	3.47E-03		0.000754	3.9E-05	0.005524	2.49E-07	0.006317
6021	481401.46	3851886.55	0.37494	0.47554	0.38639	0.39291		6.83E-04	4E-05	0.00205	4.2E-07	0.00278		8.38E-04	4.96E-05	0.00251	2.35E-07	3.40E-03		0.000738	3.81E-05	0.005405	2.42E-07	0.006182
6022	481265.87	3851761.43	0.36082	0.45774	0.36962	0.37774		6.58E-04	3.9E-05	0.00196	4E-07	0.00266		8.06E-04	4.77E-05	0.002401	2.25E-07	3.25E-03		0.000711	3.67E-05	0.005171	2.33E-07	0.005918
6023	481196.74	3851703.89	0.35485	0.44778	0.3623	0.36461		6.47E-04	3.8E-05	0.00192	3.9E-07	0.00261		7.93E-04	4.67E-05	0.002353	2.18E-07	3.19E-03		0.000699	3.59E-05	0.005068	2.25E-07	0.005803
6024	481076.33	3851619.04	0.34306	0.43208	0.35028	0.34227		6.25E-04	3.7E-05	0.00186	3.7E-07	0.00252		7.66E-04	4.51E-05	0.002275	2.04E-07	3.09E-03		0.000676	3.47E-05	0.0049	2.11E-07	0.005611
6025	480939.8	3851549.07	0.3192	0.4107	0.33577	0.33614		5.82E-04	3.5E-05	0.00178	3.6E-07	0.0024		7.13E-04	4.28E-05	0.002181	2.01E-07	2.94E-03		0.000629	3.29E-05	0.004697	2.07E-07	0.005359
6026	480854.56	3851506.41	0.3119	0.38222	0.33073	0.31886		5.69E-04	3.3E-05	0.00176	3.4E-07	0.00236		6.97E-04	3.99E-05	0.002148	1.9E-07	2.88E-03		0.000614	3.07E-05	0.004627	1.97E-07	0.005272
6027	480769.32	3851463.75	0.30414	0.36693	0.31806	0.2759		5.54E-04	3.1E-05	0.00169	2.9E-07	0.00228		6.79E-04	3.83E-05	0.002066	1.65E-07	2.78E-03		0.000599	2.94E-05	0.004449	1.7E-07	0.005078
6028	480684.08	3851421.08	0.30265	0.36968	0.29807	0.2747		5.52E-04	3.1E-05	0.00158	2.9E-07	0.00217		6.76E-04	3.85E-05	0.001936	1.64E-07	2.65E-03		0.000596	2.97E-05	0.00417	1.69E-07	0.004796
6029	480598.84	3851378.42	0.29411	0.3556	0.2843	0.25844		5.36E-04	3E-05	0.00151	2.8E-07	0.00208		6.57E-04	3.71E-05	0.001847	1.54E-07	2.54E-03		0.000579	2.85E-05	0.003977	1.59E-07	0.004585
6030	480435.71	3851275.01	0.27835	0.33742	0.26461	0.21297		5.07E-04	2.9E-05	0.00141	2.3E-07	0.00194		6.22E-04	3.52E-05	0.001719	1.27E-07	2.38E-03		0.000548	2.71E-05	0.003702	1.31E-07	0.004277
6031	480347.85	3851232.36	0.2643	0.31448	0.24461	0.19049		4.82E-04	2.7E-05	0.0013	2E-07	0.00181		5.90E-04	3.28E-05	0.001589	1.14E-07	2.21E-03		0.000521	2.52E-05	0.003422	1.17E-07	0.003968
6032	480260	3851189.72	0.25677	0.28797	0.23128	0.18141		4.68E-04	2.5E-05	0.00123	1.9E-07	0.00172		5.74E-04	3E-05	0.001502	1.08E-07	2.11E-03		0.000506	2.31E-05	0.003235	1.12E-07	0.003764
6033	480172.15	3851147.07	0.24517	0.27898	0.22039	0.18477		4.47E-04	2.4E-05	0.00117	2E-07	0.00164		5.48E-04	2.91E-05	0.001431	1.1E-07	2.01E-03		0.000483	2.24E-05	0.003083	1.14E-07	0.003588
6034	480084.29	3851104.42	0.234	0.26593	0.20982	0.17107		4.27E-04	2.3E-05	0.00111	1.8E-07	0.00156		5.23E-04	2.77E-05	0.001363	1.02E-07	1.91E-03		0.000461	2.13E-05	0.002935	1.05E-07	0.003417
6035	479996.44	3851061.77	0.22555	0.25464	0.20145	0.1638		4.11E-04	2.2E-05	0.00107	1.7E-07	0.0015		5.04E-04	2.66E-05	0.001308	9.78E-08	1.84E-03		0.000444	2.04E-05	0.002818	1.01E-07	0.003283

6036	479908.58	3851019.13	0.21989	0.24587	0.19135	0.14937	4.01E-04	2.1E-05	0.00102	1.6E-07	0.00144	4.91E-04	2.56E-05	0.001243	8.92E-08	1.76E-03	0.000433	1.97E-05	0.002677	9.21E-08	0.00313
6037	479820.73	3850976.48	0.21385	0.23874	0.18322	0.13595	3.90E-04	2E-05	0.00097	1.5E-07	0.00138	4.78E-04	2.49E-05	0.00119	8.11E-08	1.69E-03	0.000421	1.92E-05	0.002563	8.38E-08	0.003003
6038	479732.88	3850933.83	0.20987	0.22975	0.17715	0.1405	3.83E-04	2E-05	0.00094	1.5E-07	0.00134	4.69E-04	2.4E-05	0.001151	8.39E-08	1.64E-03	0.000413	1.84E-05	0.002478	8.66E-08	0.00291
6039	479645.02	3850891.18	0.20091	0.21871	0.17493	0.14613	3.66E-04	1.9E-05	0.00093	1.6E-07	0.00131	4.49E-04	2.28E-05	0.001136	8.72E-08	1.61E-03	0.000396	1.75E-05	0.002447	9.01E-08	0.00286
6040	479557.17	3850848.54	0.19461	0.21316	0.17517	0.15146	3.55E-04	1.8E-05	0.00093	1.6E-07	0.0013	4.35E-04	2.22E-05	0.001138	9.04E-08	1.59E-03	0.000383	1.71E-05	0.00245	9.34E-08	0.002851
6041	479469.32	3850805.89	0.19459	0.21182	0.16751	0.14847	3.55E-04	1.8E-05	0.00089	1.6E-07	0.00126	4.35E-04	2.21E-05	0.001088	8.86E-08	1.54E-03	0.000383	1.7E-05	0.002343	9.15E-08	0.002744
6042	479381.46	3850763.24	0.18776	0.2116	0.1711	0.14774	3.42E-04	1.8E-05	0.00091	1.6E-07	0.00127	4.19E-04	2.21E-05	0.001111	8.82E-08	1.55E-03	0.00037	1.7E-05	0.002394	9.11E-08	0.00278
6043	479293.61	3850720.59	0.18395	0.21141	0.17123	0.15014	3.35E-04	1.8E-05	0.00091	1.6E-07	0.00126	4.11E-04	2.2E-05	0.001112	8.96E-08	1.55E-03	0.000362	1.7E-05	0.002395	9.26E-08	0.002775
6044	479205.76	3850677.95	0.18069	0.20694	0.17584	0.1417	3.29E-04	1.8E-05	0.00093	1.5E-07	0.00128	4.04E-04	2.16E-05	0.001142	8.46E-08	1.57E-03	0.000356	1.66E-05	0.00246	8.74E-08	0.002832
6045	479117.9	3850635.3	0.17482	0.2002	0.17679	0.14286	3.19E-04	1.7E-05	0.00094	1.5E-07	0.00128	3.91E-04	2.09E-05	0.001148	8.53E-08	1.56E-03	0.000344	1.61E-05	0.002473	8.81E-08	0.002834
6046	479030.05	3850592.65	0.17699	0.19897	0.16959	0.14109	3.23E-04	1.7E-05	0.0009	1.5E-07	0.00124	3.95E-04	2.07E-05	0.001102	8.42E-08	1.52E-03	0.000349	1.6E-05	0.002372	8.7E-08	0.002737
6047	478942.19	3850550	0.17886	0.19375	0.16159	0.13208	3.26E-04	1.6E-05	0.00086	1.4E-07	0.0012	4.00E-04	2.02E-05	0.00105	7.88E-08	1.47E-03	0.000352	1.55E-05	0.00226	8.14E-08	0.002628
6048	478854.34	3850507.36	0.18024	0.19178	0.16312	0.12994	3.29E-04	1.6E-05	0.00087	1.4E-07	0.00121	4.03E-04	2E-05	0.00106	7.76E-08	1.48E-03	0.000355	1.54E-05	0.002282	8.01E-08	0.002652
6049	478766.49	3850464.71	0.17616	0.18649	0.16302	0.12944	3.21E-04	1.6E-05	0.00087	1.4E-07	0.0012	3.93E-04	1.94E-05	0.001059	7.73E-08	1.47E-03	0.000347	1.5E-05	0.00228	7.98E-08	0.002642
6050	478678.63	3850422.06	0.16647	0.1791	0.15941	0.12681	3.03E-04	1.5E-05	0.00085	1.4E-07	0.00117	3.72E-04	1.87E-05	0.001035	7.57E-08	1.43E-03	0.000328	1.44E-05	0.00223	7.82E-08	0.002572
6051	478590.78	3850379.41	0.16015	0.17315	0.15612	0.1252	2.92E-04	1.5E-05	0.00083	1.3E-07	0.00114	3.58E-04	1.81E-05	0.001014	7.47E-08	1.39E-03	0.000315	1.39E-05	0.002184	7.72E-08	0.002513
6052	478502.93	3850336.77	0.16207	0.17192	0.15329	0.12309	2.95E-04	1.5E-05	0.00081	1.3E-07	0.00112	3.62E-04	1.79E-05	0.000996	7.35E-08	1.38E-03	0.000319	1.38E-05	0.002144	7.59E-08	0.002477
6053	478415.07	3850294.12	0.16039	0.16891	0.15253	0.121	2.92E-04	1.4E-05	0.00081	1.3E-07	0.00112	3.58E-04	1.76E-05	0.000991	7.22E-08	1.37E-03	0.000316	1.35E-05	0.002134	7.46E-08	0.002463
6054	478327.22	3850251.47	0.15756	0.16681	0.15281	0.12022	2.87E-04	1.4E-05	0.00081	1.3E-07	0.00111	3.52E-04	1.74E-05	0.000993	7.18E-08	1.36E-03	0.00031	1.34E-05	0.002138	7.41E-08	0.002461
6055	478239.36	3850208.82	0.15454	0.16417	0.15425	0.11967	2.82E-04	1.4E-05	0.00082	1.3E-07	0.00112	3.45E-04	1.71E-05	0.001002	7.14E-08	1.36E-03	0.000304	1.32E-05	0.002158	7.38E-08	0.002475
6056	478151.51	3850166.18	0.1514	0.16214	0.15853	0.11868	2.76E-04	1.4E-05	0.00084	1.3E-07	0.00113	3.38E-04	1.69E-05	0.00103	7.08E-08	1.38E-03	0.000298	1.3E-05	0.002218	7.32E-08	0.002529
6057	478063.66	3850123.53	0.14828	0.1661	0.16149	0.11687	2.70E-04	1.4E-05	0.00086	1.2E-07	0.00114	3.31E-04	1.73E-05	0.001049	6.98E-08	1.40E-03	0.000292	1.33E-05	0.002259	7.21E-08	0.002565
6058	477975.8	3850080.88	0.14681	0.16027	0.15874	0.12571	2.68E-04	1.4E-05	0.00084	1.3E-07	0.00112	3.28E-04	1.67E-05	0.001031	7.5E-08	1.38E-03	0.000289	1.29E-05	0.002221	7.75E-08	0.002523
6059	477887.95	3850038.23	0.14936	0.16328	0.15952	0.13165	2.72E-04	1.4E-05	0.00085	1.4E-07	0.00113	3.34E-04	1.7E-05	0.001036	7.86E-08	1.39E-03	0.000294	1.31E-05	0.002232	8.12E-08	0.002539
6060	477800.1	3849995.59	0.15037	0.1643	0.1579	0.13703	2.74E-04	1.4E-05	0.00084	1.5E-07	0.00113	3.36E-04	1.71E-05	0.001026	8.18E-08	1.38E-03	0.000296	1.32E-05	0.002209	8.45E-08	0.002518
6061	477712.24	3849952.94	0.1473	0.16475	0.1568	0.13949	2.69E-04	1.4E-05	0.00083	1.5E-07	0.00112	3.29E-04	1.72E-05	0.001018	8.33E-08	1.36E-03	0.00029	1.32E-05	0.002193	8.6E-08	0.002497
6062	477624.39	3849910.29	0.14663	0.16256	0.15503	0.138	2.67E-04	1.4E-05	0.00082	1.5E-07	0.0011	3.28E-04	1.7E-05	0.001007	8.24E-08	1.35E-03	0.000289	1.3E-05	0.002169	8.51E-08	0.002471
6063	477536.54	3849867.64	0.14411	0.16015	0.15263	0.1374	2.63E-04	1.4E-05	0.00081	1.5E-07	0.00109	3.22E-04	1.67E-05	0.000991	8.2E-08	1.33E-03	0.000284	1.28E-05	0.002135	8.47E-08	0.002432
6064	477448.68	3849825	0.14251	0.15774	0.1503	0.13646	2.60E-04	1.3E-05	0.0008	1.5E-07	0.00107	3.18E-04	1.64E-05	0.000976	8.14E-08	1.31E-03	0.000281	1.27E-05	0.002103	8.41E-08	0.002396
6065	477360.83	3849782.35	0.1414	0.15463	0.14664	0.13543	2.58E-04	1.3E-05	0.00078	1.4E-07	0.00105	3.16E-04	1.61E-05	0.000952	8.08E-08	1.28E-03	0.000278	1.24E-05	0.002051	8.35E-08	0.002342
6066	477272.97	3849739.7	0.1397	0.15281	0.14336	0.13014	2.55E-04	1.3E-05	0.00076	1.4E-07	0.00103	3.12E-04	1.59E-05	0.000931	7.77E-08	1.26E-03	0.000275	1.23E-05	0.002005	8.02E-08	0.002293
6067	477185.12	3849697.05	0.13769	0.15054	0.13847	0.12849	2.51E-04	1.3E-05	0.00074	1.4E-07	0.001	3.08E-04	1.57E-05	0.000899	7.67E-08	1.22E-03	0.000271	1.21E-05	0.001937	7.92E-08	0.00222
6068	477097.27	3849654.41	0.13646	0.14632	0.13348	0.12715	2.49E-04	1.2E-05	0.00071	1.4E-07	0.00097	3.05E-04	1.53E-05	0.000867	7.59E-08	1.19E-03	0.000269	1.17E-05	0.001867	7.84E-08	0.002148
6069	477009.41	3849611.76	0.13573	0.14349	0.13051	0.12394	2.47E-04	1.2E-05	0.00069	1.3E-07	0.00095	3.03E-04	1.5E-05	0.000848	7.4E-08	1.17E-03	0.000267	1.15E-05	0.001826	7.64E-08	0.002105
6070	476841.49	3849530.08	0.13138	0.13662	0.12737	0.12381	2.39E-04	1.2E-05	0.00068	1.3E-07	0.00093	2.93E-04	1.42E-05	0.000827	7.39E-08	1.14E-03	0.000259	1.1E-05	0.001782	7.63E-08	0.002052
6071	476761.41	3849491.05	0.12686	0.1324	0.12633	0.12077	2.31E-04	1.1E-05	0.00067	1.3E-07	0.00091	2.83E-04	1.38E-05	0.000821	7.21E-08	1.12E-03	0.00025	1.06E-05	0.001767	7.45E-08	0.002028
6072	476681.34	3849452.02	0.12373	0.13157	0.12447	0.12015	2.26E-04	1.1E-05	0.00066	1.3E-07	0.0009	2.76E-04	1.37E-05	0.000808	7.17E-08	1.10E-03	0.000244	1.06E-05	0.001741	7.41E-08	0.001996
6073	476601.26	3849412.99	0.1212	0.13039	0.12207	0.1193	2.21E-04	1.1E-05	0.00065	1.3E-07	0.00088	2.71E-04	1.36E-05	0.000793	7.12E-08	1.08E-03	0.000239	1.05E-05	0.001708	7.36E-08	0.001957
6074	476456.32	3849353.67	0.11856	0.12501	0.12195	0.12017	2.16E-04	1.1E-05	0.00065	1.3E-07	0.00087	2.65E-04	1.3E-05	0.000792	7.17E-08	1.07E-03	0.000234	1E-05	0.001706	7.41E-08	0.00195
6075	476305.43	3849318.83	0.11747	0.12682	0.11464	0.11525	2.14E-04	1.1E-05	0.00061	1.2E-07	0.00083	2.62E-04	1.32E-05	0.000745	6.88E-08	1.02E-03	0.000231	1.02E-05	0.001604	7.11E-08	0.001845
6076	476129.36	3849289.99	0.12237	0.12784	0.11821	0.10292	2.23E-04	1.1E-05	0.00063	1.1E-07	0.00086	2.73E-04	1.33E-05	0.000768	6.14E-08	1.05E-03	0.000241	1.03E-05	0.001654	6.35E-08	0.001905
6077	476039.31	3849275.68	0.11961	0.12965	0.11523	0.10258	2.18E-04	1.1E-05	0.00061	1.1E-07	0.00084	2.67E-04	1.35E-05	0.000748	6.12E-08	1.03E-03	0.000236	1.04E-05	0.001612	6.32E-08	0.001858
6078	475949.26	3849261.38	0.12129	0.12915	0.10954	0.10223	2.21E-04	1.1E-05	0.00058	1.1E-07	0.00081	2.71E-04	1.35E-05	0.000711	6.1E-08	9.96E-04	0.000239	1.04E-05	0.001532	6.3E-08	0.001782
6079	475859.21	3849247.08	0.11664	0.12358	0.1064	0.09916	2.13E-04	1.1E-05	0.00057	1.1E-07	0.00079	2.61E-04	1.29E-05	0.000691	5.92E-08	9.65E-04	0.00023	9.91E-06	0.001488	6.11E-08	0.001728
6080	475769.16	3849232.77	0.11124	0.11814	0.10519	0.09228	2.03E-04	1E-05	0.00056	9.8E-08	0.00077	2.48E-04	1.23E-05	0.000683	5.51E-08	9.44E-04	0.000219	9.48E-06	0.001472	5.69E-08	0.0017
6081	475585.22	3849219.27	0.10963	0.11706	0.10892	0.07988	2.00E-04	1E-05	0.00058	8.5E-08	0.00079	2.45E-04	1.22E-05	0.000707	4.77E-08	9.65E-04	0.000216	9.39E-06	0.001524	4.93E-08	0.001749
6082	475444.49	3849150.35	0.1101	0.12037	0.10956	0.08899	2.01E-04	1E-05	0.00058	9.5E-08	0.00079	2.46E-04	1.26E-05	0.000712	5.31E-08	9.70E-04	0.000217	9.66E-06	0.001533	5.49E-08	0.001759
6083	475334.17	3849118.71	0.11035	0.11974	0.10833	0.09518	2.01E-04	1E-05	0.00058	1E-07	0.00079	2.46E-04	1.25E-05	0.000704	5.68E-08	9.63E-04	0.000217	9.61E-06	0.001515	5.87E-08	0.001742
6084	475230.47	3849060.56	0.10886	0.11763	0.1067	0.09459	1.98E-04	1E-05	0.00057	1E-07	0.00078	2.43E-04	1.23E-05	0.000693	5.65E-08	9.49E-04	0.000214	9.44E-06	0.001493	5.83E-08	0.001717
6085	475110.86	3848960.97	0.10585	0.11492	0.10361	0.09015	1.93E-04	9.8E-06	0.00055	9.6E-08	0.00075	2.36E-04	1.2E-05	0.000673	5.38E-08	9.21E-04	0.000208	9.22E-06	0.001449	5.56E-08	0.001667
6086	475037.79	3848896.28	0.10395	0.11262	0.10173	0.08496	1.89E-04	9.6E-06	0.00054	9.1E-08	0.00074	2.32E-04	1.17E-05	0.000661	5.07E-08	9.05E-04	0.000205	9.03E-06	0.001423	5.24E-08	0.001637
6087	474964.72	3848831.59	0.10226	0.11113	0.10024	0.081	1.86E-04	9.5E-06	0.00053	8.6E-08	0.00073	2.28E-04	1.16E-05	0.000651	4.83E-08	8.91E-04	0.000201	8.91E-06	0.001402	4.99E-08	0.001613
6088	474891.65	3848766.9	0.101	0.10867	0.10006	0.07783	1.84E-04	9.2E-06	0.00053	8.3E-08	0.00073	2.26E-04	1.13E-05	0.00065	4.65E-08	8.87E-04	0.000199	8.72E-06	0.0014	4.8E-08	0.001607
6089	474818.58	3848702.21	0.09792	0.10587	0.0981	0.07701	1.78E-04	9E-06	0.00052	8.2E-08	0.00071	2.19E-04	1.1E-05	0.000637	4.6E-08	8.67E-04	0.000193	8.49E-06	0.001372	4.75E-08	0.001574
6090	474745.51	3848637.53	0.096	0.10509	0.09585	0.0772	1.75E-04	8.9E-06	0.00051	8.2E-08	0.00069	2.14E-04	1.1E-05	0.000623	4.61E-08	8.48E-04	0.000189	8.43E-06	0.001341	4.76E-08	0.001538
6091	474672.44	3848572.84	0.09409	0.10391	0.09333	0.07656	1.72E-04	8.8E-06	0.0005	8.2E-08	0.00068	2.10E-04	1.08E-05	0.000606	4.57E-08	8.27E-04	0.000185	8.34E-06	0.001306	4.72E-08	0.001499
6092	474599.37	3848508.15	0.09164	0.10158	0.09219	0.0765	1.67E-04	8.6E-06	0.00049	8.2E-08	0.00067	2.05E-04	1.06E-05	0.000599	4.57E-08	8.14E-04	0.00018	8.15E-06	0.00129	4.72E-08	0.001478
6093	474526.3	3848443.46	0.09001	0.09928	0.09071	0.07605	1.64E-04	8.4E-06	0.00048	8.1E-08	0.00065	2.01E-04	1.04E-05	0.000589	4.54E-08	8.01E-04	0.000177	7.96E-06	0.001269	4.69E-08	0.001454

			NO2					2028 Unmitigated					2028 Mitigated					2023 Unmitigated				
			Period				Rates (g/s	1.64E-01	7.76E-01	1.94E-01	7.36E-02		1.61E-01	3.36E-05	2.13E-03	2.15E-03		1.96E-01	7.76E-01	1.94E-01	7.36E-02	
			Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]					Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARE	WHS (PAR	STCK1-10	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	0.32381	0.04844	0.0068	0.02939		5.30E-02	3.76E-02	1.32E-03	2.16E-03	9.40E-02	5.22E-02	1.63E-06	1.45E-05	6.33E-05	5.23E-02	6.34E-02	3.76E-02	1.32E-03	2.16E-03	1.04E-01
2	486023.61	3854936.51	0.31657	0.04776	0.0072	0.02952		5.18E-02	3.70E-02	1.39E-03	2.17E-03	9.24E-02	5.10E-02	1.60E-06	1.52E-05	6.35E-05	5.11E-02	6.19E-02	3.70E-02	1.39E-03	2.17E-03	1.03E-01
3	486073.61	3854936.51	0.31277	0.04738	0.0076	0.02963		5.12E-02	3.68E-02	1.47E-03	2.18E-03	9.16E-02	5.04E-02	1.59E-06	1.62E-05	6.38E-05	5.05E-02	6.12E-02	3.68E-02	1.47E-03	2.18E-03	1.02E-01
4	486123.61	3854936.51	0.30103	0.04631	0.008	0.02968		4.92E-02	3.59E-02	1.55E-03	2.19E-03	8.89E-02	4.85E-02	1.56E-06	1.70E-05	6.39E-05	4.86E-02	5.89E-02	3.59E-02	1.55E-03	2.19E-03	9.86E-02
5	486173.61	3854936.51	0.30165	0.04634	0.0083	0.02976		4.93E-02	3.59E-02	1.61E-03	2.19E-03	8.91E-02	4.86E-02	1.56E-06	1.76E-05	6.41E-05	4.87E-02	5.90E-02	3.59E-02	1.61E-03	2.19E-03	9.88E-02
6	486223.61	3854936.51	0.29505	0.04574	0.0086	0.0298		4.83E-02	3.55E-02	1.66E-03	2.19E-03	8.76E-02	4.75E-02	1.54E-06	1.82E-05	6.42E-05	4.76E-02	5.77E-02	3.55E-02	1.66E-03	2.19E-03	9.71E-02
7	486273.61	3854936.51	0.29073	0.04535	0.0088	0.02984		4.76E-02	3.52E-02	1.70E-03	2.20E-03	8.66E-02	4.68E-02	1.52E-06	1.86E-05	6.42E-05	4.69E-02	5.69E-02	3.52E-02	1.70E-03	2.20E-03	9.60E-02
8	486323.61	3854936.51	0.2871	0.04503	0.0089	0.02987		4.70E-02	3.49E-02	1.73E-03	2.20E-03	8.58E-02	4.63E-02	1.51E-06	1.89E-05	6.43E-05	4.63E-02	5.62E-02	3.49E-02	1.73E-03	2.20E-03	9.50E-02
9	485973.61	3854986.51	0.3854	0.0519	0.0067	0.03071		6.30E-02	4.03E-02	1.30E-03	2.26E-03	1.07E-01	6.21E-02	1.74E-06	1.42E-05	6.61E-05	6.22E-02	7.54E-02	4.03E-02	1.30E-03	2.26E-03	1.19E-01
10	486023.61	3854986.51	0.37693	0.0513	0.007	0.03082		6.17E-02	3.98E-02	1.35E-03	2.27E-03	1.05E-01	6.07E-02	1.72E-06	1.48E-05	6.63E-05	6.08E-02	7.38E-02	3.98E-02	1.35E-03	2.27E-03	1.17E-01
11	486073.61	3854986.51	0.36624	0.05052	0.0074	0.03091		5.99E-02	3.92E-02	1.43E-03	2.28E-03	1.03E-01	5.90E-02	1.70E-06	1.57E-05	6.65E-05	5.91E-02	7.17E-02	3.92E-02	1.43E-03	2.28E-03	1.15E-01
12	486123.61	3854986.51	0.3564	0.0498	0.0078	0.03097		5.83E-02	3.86E-02	1.52E-03	2.28E-03	1.01E-01	5.74E-02	1.67E-06	1.67E-05	6.67E-05	5.75E-02	6.97E-02	3.86E-02	1.52E-03	2.28E-03	1.12E-01
13	486173.61	3854986.51	0.35196	0.04951	0.0082	0.03104		5.76E-02	3.84E-02	1.59E-03	2.29E-03	9.98E-02	5.67E-02	1.66E-06	1.74E-05	6.68E-05	5.68E-02	6.89E-02	3.84E-02	1.59E-03	2.29E-03	1.11E-01
14	486223.61	3854986.51	0.34218	0.04879	0.0085	0.03108		5.60E-02	3.78E-02	1.65E-03	2.29E-03	9.78E-02	5.51E-02	1.64E-06	1.81E-05	6.69E-05	5.52E-02	6.70E-02	3.78E-02	1.65E-03	2.29E-03	1.09E-01
15	486273.61	3854986.51	0.33163	0.048	0.0088	0.0311		5.42E-02	3.72E-02	1.70E-03	2.29E-03	9.55E-02	5.34E-02	1.61E-06	1.86E-05	6.70E-05	5.35E-02	6.49E-02	3.72E-02	1.70E-03	2.29E-03	1.06E-01
16	486323.61	3854986.51	0.33235	0.04814	0.0089	0.03115		5.44E-02	3.73E-02	1.73E-03	2.29E-03	9.57E-02	5.36E-02	1.62E-06	1.90E-05	6.71E-05	5.36E-02	6.50E-02	3.73E-02	1.73E-03	2.29E-03	1.06E-01
17	485973.61	3855036.51	0.45803	0.05569	0.0067	0.03212		7.49E-02	4.32E-02	1.29E-03	2.36E-03	1.22E-01	7.38E-02	1.87E-06	1.41E-05	6.91E-05	7.39E-02	8.96E-02	4.32E-02	1.29E-03	2.36E-03	1.36E-01
18	486023.61	3855036.51	0.44369	0.05487	0.0069	0.03222		7.26E-02	4.26E-02	1.33E-03	2.37E-03	1.19E-01	7.15E-02	1.84E-06	1.46E-05	6.94E-05	7.16E-02	8.68E-02	4.26E-02	1.33E-03	2.37E-03	1.33E-01
19	486073.61	3855036.51	0.42606	0.0538	0.0072	0.0323		6.97E-02	4.17E-02	1.40E-03	2.38E-03	1.15E-01	6.87E-02	1.81E-06	1.53E-05	6.95E-05	6.87E-02	8.34E-02	4.17E-02	1.40E-03	2.38E-03	1.29E-01
20	486123.61	3855036.51	0.41344	0.05305	0.0077	0.03237		6.76E-02	4.12E-02	1.48E-03	2.38E-03	1.13E-01	6.66E-02	1.78E-06	1.63E-05	6.97E-05	6.67E-02	8.09E-02	4.12E-02	1.48E-03	2.38E-03	1.26E-01
21	486173.61	3855036.51	0.407	0.05275	0.008	0.03244		6.66E-02	4.09E-02	1.56E-03	2.39E-03	1.11E-01	6.56E-02	1.77E-06	1.71E-05	6.98E-05	6.57E-02	7.96E-02	4.09E-02	1.56E-03	2.39E-03	1.25E-01
22	486223.61	3855036.51	0.39174	0.05177	0.0084	0.03247		6.41E-02	4.02E-02	1.63E-03	2.39E-03	1.08E-01	6.31E-02	1.74E-06	1.79E-05	6.99E-05	6.32E-02	7.67E-02	4.02E-02	1.63E-03	2.39E-03	1.21E-01
23	486273.61	3855036.51	0.38734	0.0516	0.0087	0.03251		6.34E-02	4.00E-02	1.69E-03	2.39E-03	1.07E-01	6.24E-02	1.73E-06	1.85E-05	7.00E-05	6.25E-02	7.58E-02	4.00E-02	1.69E-03	2.39E-03	1.20E-01
24	486323.61	3855036.51	0.37683	0.05096	0.0089	0.03251		6.16E-02	3.95E-02	1.73E-03	2.39E-03	1.05E-01	6.07E-02	1.71E-06	1.90E-05	7.00E-05	6.08E-02	7.37E-02	3.95E-02	1.73E-03	2.39E-03	1.17E-01
25	485973.61	3855086.51	0.5369	0.0595	0.0067	0.03365		8.78E-02	4.62E-02	1.29E-03	2.48E-03	1.38E-01	8.65E-02	2.00E-06	1.42E-05	7.24E-05	8.66E-02	1.05E-01	4.62E-02	1.29E-03	2.48E-03	1.55E-01
26	486023.61	3855086.51	0.521	0.05882	0.0068	0.03373		8.52E-02	4.56E-02	1.31E-03	2.48E-03	1.35E-01	8.39E-02	1.98E-06	1.44E-05	7.26E-05	8.40E-02	1.02E-01	4.56E-02	1.31E-03	2.48E-03	1.51E-01
27	486073.61	3855086.51	0.49695	0.05755	0.007	0.03383		8.13E-02	4.46E-02	1.37E-03	2.49E-03	1.30E-01	8.01E-02	1.93E-06	1.50E-05	7.28E-05	8.02E-02	9.72E-02	4.46E-02	1.37E-03	2.49E-03	1.46E-01
28	486123.61	3855086.51	0.4837	0.05696	0.0074	0.03391		7.91E-02	4.42E-02	1.43E-03	2.50E-03	1.27E-01	7.79E-02	1.91E-06	1.57E-05	7.30E-05	7.80E-02	9.47E-02	4.42E-02	1.43E-03	2.50E-03	1.43E-01
29	486173.61	3855086.51	0.46449	0.05593	0.0079	0.03397		7.60E-02	4.34E-02	1.53E-03	2.50E-03	1.23E-01	7.48E-02	1.88E-06	1.68E-05	7.31E-05	7.49E-02	9.09E-02	4.34E-02	1.53E-03	2.50E-03	1.38E-01
30	486223.61	3855086.51	0.45243	0.05536	0.0083	0.034		7.40E-02	4.29E-02	1.61E-03	2.50E-03	1.21E-01	7.29E-02	1.86E-06	1.76E-05	7.32E-05	7.30E-02	8.85E-02	4.29E-02	1.61E-03	2.50E-03	1.36E-01
31	485973.61	3855136.51	0.63042	0.06389	0.0067	0.03531		1.03E-01	4.96E-02	1.30E-03	2.60E-03	1.57E-01	1.02E-01	2.15E-06	1.42E-05	7.60E-05	1.02E-01	1.23E-01	4.96E-02	1.30E-03	2.60E-03	1.77E-01
32	486023.61	3855136.51	0.60407	0.06282	0.0068	0.03541		9.88E-02	4.87E-02	1.31E-03	2.61E-03	1.51E-01	9.73E-02	2.11E-06	1.44E-05	7.62E-05	9.74E-02	1.18E-01	4.87E-02	1.31E-03	2.61E-03	1.71E-01
33	486073.61	3855136.51	0.57843	0.06172	0.0069	0.03551		9.46E-02	4.79E-02	1.34E-03	2.61E-03	1.46E-01	9.32E-02	2.07E-06	1.47E-05	7.64E-05	9.33E-02	1.13E-01	4.79E-02	1.34E-03	2.61E-03	1.65E-01
34	486123.61	3855136.51	0.55696	0.06081	0.0072	0.03559		9.11E-02	4.72E-02	1.40E-03	2.62E-03	1.42E-01	8.97E-02	2.04E-06	1.54E-05	7.66E-05	8.98E-02	1.09E-01	4.72E-02	1.40E-03	2.62E-03	1.60E-01
35	486173.61	3855136.51	0.53485	0.0598	0.0076	0.03564		8.75E-02	4.64E-02	1.48E-03	2.62E-03	1.38E-01	8.62E-02	2.01E-06	1.62E-05	7.67E-05	8.63E-02	1.05E-01	4.64E-02	1.48E-03	2.62E-03	1.55E-01
36	486223.61	3855136.51	0.51616	0.05896	0.0081	0.03564		8.44E-02	4.57E-02	1.57E-03	2.62E-03	1.34E-01	8.32E-02	1.98E-06	1.72E-05	7.67E-05	8.33E-02	1.01E-01	4.57E-02	1.57E-03	2.62E-03	1.51E-01
37	485973.61	3855186.51	0.73329	0.06855	0.0068	0.03714		1.20E-01	5.32E-02	1.31E-03	2.73E-03	1.77E-01	1.18E-01	2.30E-06	1.44E-05	8.00E-05	1.18E-01	1.43E-01	5.32E-02	1.31E-03	2.73E-03	2.01E-01
38	486023.61	3855186.51	0.70111	0.06741	0.0068	0.03725		1.15E-01	5.23E-02	1.31E-03	2.74E-03	1.71E-01	1.13E-01	2.26E-06	1.44E-05	8.02E-05	1.13E-01	1.37E-01	5.23E-02	1.31E-03	2.74E-03	1.94E-01
39	486073.61	3855186.51	0.66375	0.06589	0.0069	0.03735		1.09E-01	5.11E-02	1.33E-03	2.75E-03	1.64E-01	1.07E-01	2.21E-06	1.46E-05	8.04E-05	1.07E-01	1.30E-01	5.11E-02	1.33E-03	2.75E-03	1.85E-01
40	486123.61	3855186.51	0.63036	0.06449	0.0071	0.03741		1.03E-01	5.00E-02	1.38E-03	2.75E-03	1.57E-01	1.02E-01	2.17E-06	1.51E-05	8.05E-05	1.02E-01	1.23E-01	5.00E-02	1.38E-03	2.75E-03	1.78E-01
41	486173.61	3855186.51	0.60541	0.06351	0.0075	0.03741		9.90E-02	4.93E-02	1.44E-03	2.75E-03	1.52E-01	9.76E-02	2.13E-06	1.58E-05	8.05E-05	9.76E-02	1.18E-01	4.93E-02	1.44E-03	2.75E-03	1.72E-01
42	486223.61	3855186.51	0.5823	0.06258	0.0079	0.03735		9.52E-02	4.85E-02	1.53E-03	2.75E-03	1.48E-01	9.38E-02	2.10E-06	1.68E-05	8.04E-05	9.39E-02	1.14E-01	4.85E-02	1.53E-03	2.75E-03	1.67E-01
43	486273.61	3855186.51	0.55902	0.06156	0.0084	0.03724		9.14E-02	4.78E-02	1.62E-03	2.74E-03	1.44E-01	9.01E-02	2.07E-06	1.78E-05	8.02E-05	9.02E-02	1.09E-01	4.78E-02	1.62E-03	2.74E-03	1.62E-01
44	486323.61	3855186.51	0.55629	0.06185	0.0087	0.03708		9.10E-02	4.80E-02	1.68E-03	2.73E-03	1.43E-01	8.96E-02	2.08E-06	1.84E-05	7.98E-05	8.97E-02	1.09E-01	4.80E-02	1.68E-03	2.73E-03	1.61E-01
45	485973.61	3855236.51	0.84316	0.07333	0.0069	0.03914		1.38E-01	5.69E-02	1.33E-03	2.88E-03	1.99E-01	1.36E-01	2.46E-06	1.46E-05	8.43E-05	1.36E-01	1.65E-01	5.69E-02	1.33E-03	2.88E-03	2.26E-01
46	486023.61	3855236.51	0.79506	0.07163	0.0069	0.03925		1.30E-01	5.56E-02	1.33E-03	2.89E-03	1.90E-01	1.28E-01	2.41E-06	1.46E-05	8.45E-05	1.28E-01	1.56E-01	5.56E-02	1.33E-03	2.89E-03	2.15E-01
47	486073.61	3855236.51	0.74921	0.06989	0.0069	0.03931		1.23E-01	5.42E-02	1.34E-03	2.89E-03	1.81E-01	1.21E-01	2.35E-06	1.47E-05	8.46E-05	1.21E-01	1.47E-01	5.42E-02	1.34E-03	2.89E-03	2.05E-01
48	486123.61	3855236.51	0.71436	0.06866	0.007	0.0393		1.17E-01	5.33E-02	1.37E-03	2.89E-03	1.74E-01	1.15E-01	2.31E-06	1.50E-05	8.46E-05	1.15E-01	1.40E-01	5.33E-02	1.37E-03	2.89E-03	1.97E-01
49	486173.61	3855236.51	0.68365	0.06756	0.0073	0.03921		1.12E-01	5.24E-02	1.41E-03	2.89E-03	1.69E-01	1.10E-01	2.27E-06	1.55E-05	8.44E-05	1.10E-01	1.34E-01	5.24E-02	1.41E-03	2.89E-03	1.90E-01
50	486223.61	3855236.51	0.65335	0.06639	0.0077	0.03907		1.07E-01	5.15E-02	1.49E-03	2.88E-03	1.63E-01	1.05E-01	2.23E-06	1.64E-05	8.41E-05	1.05E-01	1.28E-01	5.15E-02	1.49E-03	2.88E-03	1.84E-01
51	486273.61	3855236.51	0.6159	0.06469	0.0082	0.03888		1.01E-01	5.02E-02	1.60E-03	2.86E-03	1.55E-01	9.92E-02	2.17E-06	1.75E-05	8.37E-05	9.93E-02	1.21E-01	5.02E-02	1.60E-03	2.86E-03	1.75E-01
52	486323.61	3855236.51	0.62111	0.06557	0.0085	0.03862		1.02E-01	5.09E-02	1.65E-03	2.84E-03	1.57E-01	1.00E-01	2.20E-06	1.81E-05	8.31E-05	1.00E-01	1.22E-01	5.09E-02	1.65E-03	2.84E-03	1.77E-01
53	485973.61	3855286.51	0.95969	0.07822	0.007	0.04128		1.57E-01	6.07E-02	1.35E-03	3.04E-03	2.22E-01	1.55E-01	2.63E-06	1.48E-05	8.89E-05	1.55E-01	1.88E-01	6.07E-02	1.35E-03	3.04E-03	2.53E-01
54	486023.61	3855286.51	0.89895	0.07622	0.007	0.04133		1.47E-01	5.91E-02	1.35E-03	3.04E-03	2.11E-01	1.45E-01	2.56E-06	1.48E-05	8.90E-05	1.45E-01	1.76E-01	5.91E-02	1.35E-03	3.04E-03	2.39E-01
55	486073.61	3855286.51	0.84887	0.07456	0.007	0.0413		1.39E-01	5.78E-02	1.35E-03	3.04E-03	2.01E-01	1.37E-01	2.50E-06	1.48E-05	8.89E-05	1.37E-01	1.66E-01	5.78E-02	1.35E-03	3.04E-03	2.28E-01
56	486123.61	3855286.51	0.80083	0.07284	0.0071	0.0412		1.31E-01	5.65E-02	1.37E-03	3.03E-03	1.92E-01	1.29E-01	2.45E-06	1.50E-05	8.87E-05	1.29E-01	1.57E-01	5.65E-02	1.37E-03	3.03E-03	2.18E-01
57	486173.61	3855286.51	0.75997	0.07139	0.0072	0.04102		1.24E-01	5.54E-02	1.40E-03	3.02E-03	1.84E-01	1.22E-01	2.40E-06	1.54E-05	8.83E-05	1.23E-01	1.49E-01	5.54E-02	1.40E-03	3.02E-03	2.09E-01

58	486223.61	3855286.51	0.72897	0.07038	0.0075	0.04078	1.19E-01	5.46E-02	1.46E-03	3.00E-03	1.78E-01	1.17E-01	2.36E-06	1.60E-05	8.78E-05	1.18E-01	1.43E-01	5.46E-02	1.46E-03	3.00E-03	2.02E-01
59	486123.61	3855336.51	0.89243	0.07722	0.0071	0.04309	1.46E-01	5.99E-02	1.38E-03	3.17E-03	2.10E-01	1.44E-01	2.59E-06	1.51E-05	9.28E-05	1.44E-01	1.75E-01	5.99E-02	1.38E-03	3.17E-03	2.39E-01
60	486173.61	3855336.51	0.84991	0.07591	0.0072	0.0428	1.39E-01	5.89E-02	1.39E-03	3.15E-03	2.02E-01	1.37E-01	2.55E-06	1.53E-05	9.21E-05	1.37E-01	1.66E-01	5.89E-02	1.39E-03	3.15E-03	2.30E-01
61	486223.61	3855336.51	0.80868	0.07454	0.0074	0.04247	1.32E-01	5.78E-02	1.44E-03	3.13E-03	1.95E-01	1.30E-01	2.50E-06	1.58E-05	9.14E-05	1.30E-01	1.58E-01	5.78E-02	1.44E-03	3.13E-03	2.21E-01
62	486123.61	3855386.51	0.9928	0.08199	0.0072	0.04496	1.62E-01	6.36E-02	1.40E-03	3.31E-03	2.31E-01	1.60E-01	2.75E-06	1.53E-05	9.68E-05	1.60E-01	1.94E-01	6.36E-02	1.40E-03	3.31E-03	2.63E-01
63	486173.61	3855386.51	0.94261	0.08053	0.0072	0.04459	1.54E-01	6.25E-02	1.40E-03	3.28E-03	2.21E-01	1.52E-01	2.71E-06	1.54E-05	9.60E-05	1.52E-01	1.84E-01	6.25E-02	1.40E-03	3.28E-03	2.52E-01
64	486223.61	3855386.51	0.89867	0.07922	0.0074	0.04421	1.47E-01	6.15E-02	1.43E-03	3.25E-03	2.13E-01	1.45E-01	2.66E-06	1.56E-05	9.52E-05	1.45E-01	1.76E-01	6.15E-02	1.43E-03	3.25E-03	2.42E-01
65	486533.18	3855443.15	0.78306	0.07809	0.0096	0.04398	1.28E-01	6.06E-02	1.85E-03	3.24E-03	1.94E-01	1.26E-01	2.62E-06	2.03E-05	9.47E-05	1.26E-01	1.53E-01	6.06E-02	1.85E-03	3.24E-03	2.19E-01
66	486583.18	3855443.15	0.75285	0.07698	0.0098	0.04366	1.23E-01	5.97E-02	1.91E-03	3.21E-03	1.88E-01	1.21E-01	2.59E-06	2.09E-05	9.40E-05	1.21E-01	1.47E-01	5.97E-02	1.91E-03	3.21E-03	2.12E-01
67	486633.18	3855443.15	0.72466	0.07591	0.0101	0.04334	1.19E-01	5.89E-02	1.95E-03	3.19E-03	1.83E-01	1.17E-01	2.55E-06	2.14E-05	9.33E-05	1.17E-01	1.42E-01	5.89E-02	1.95E-03	3.19E-03	2.06E-01
68	486683.18	3855443.15	0.70408	0.07526	0.0102	0.04302	1.15E-01	5.84E-02	1.98E-03	3.17E-03	1.79E-01	1.13E-01	2.53E-06	2.17E-05	9.26E-05	1.14E-01	1.38E-01	5.84E-02	1.98E-03	3.17E-03	2.01E-01
69	486533.18	3855493.15	0.84906	0.08235	0.0095	0.04597	1.39E-01	6.39E-02	1.83E-03	3.38E-03	2.08E-01	1.37E-01	2.77E-06	2.01E-05	9.90E-05	1.37E-01	1.66E-01	6.39E-02	1.83E-03	3.38E-03	2.35E-01
70	486583.18	3855493.15	0.81763	0.08129	0.0098	0.04559	1.34E-01	6.31E-02	1.90E-03	3.36E-03	2.02E-01	1.32E-01	2.73E-06	2.08E-05	9.81E-05	1.32E-01	1.60E-01	6.31E-02	1.90E-03	3.36E-03	2.28E-01
71	486633.18	3855493.15	0.78657	0.08016	0.0101	0.04521	1.29E-01	6.22E-02	1.95E-03	3.33E-03	1.96E-01	1.27E-01	2.69E-06	2.14E-05	9.73E-05	1.27E-01	1.54E-01	6.22E-02	1.95E-03	3.33E-03	2.21E-01
72	486683.18	3855493.15	0.75794	0.0791	0.0103	0.04484	1.24E-01	6.14E-02	1.99E-03	3.30E-03	1.91E-01	1.22E-01	2.66E-06	2.18E-05	9.65E-05	1.22E-01	1.48E-01	6.14E-02	1.99E-03	3.30E-03	2.15E-01
73	486533.18	3855543.15	0.92262	0.08711	0.0093	0.04804	1.51E-01	6.76E-02	1.81E-03	3.54E-03	2.24E-01	1.49E-01	2.93E-06	1.98E-05	1.03E-04	1.49E-01	1.81E-01	6.76E-02	1.81E-03	3.54E-03	2.53E-01
74	486583.18	3855543.15	0.87863	0.0854	0.0097	0.0476	1.44E-01	6.62E-02	1.89E-03	3.50E-03	2.15E-01	1.42E-01	2.87E-06	2.07E-05	1.02E-04	1.42E-01	1.72E-01	6.62E-02	1.89E-03	3.50E-03	2.44E-01
75	486633.18	3855543.15	0.84636	0.0843	0.0101	0.04714	1.38E-01	6.54E-02	1.95E-03	3.47E-03	2.09E-01	1.36E-01	2.83E-06	2.14E-05	1.01E-04	1.37E-01	1.66E-01	6.54E-02	1.95E-03	3.47E-03	2.36E-01
76	486683.18	3855543.15	0.807	0.08265	0.0103	0.04668	1.32E-01	6.41E-02	2.00E-03	3.44E-03	2.02E-01	1.30E-01	2.78E-06	2.19E-05	1.00E-04	1.30E-01	1.58E-01	6.41E-02	2.00E-03	3.44E-03	2.27E-01
77	486533.18	3855593.15	0.99395	0.09175	0.0092	0.05017	1.63E-01	7.12E-02	1.77E-03	3.69E-03	2.39E-01	1.60E-01	3.08E-06	1.95E-05	1.08E-04	1.60E-01	1.94E-01	7.12E-02	1.77E-03	3.69E-03	2.71E-01
78	486583.18	3855593.15	0.9489	0.09012	0.0096	0.04963	1.55E-01	6.99E-02	1.87E-03	3.65E-03	2.31E-01	1.53E-01	3.03E-06	2.05E-05	1.07E-04	1.53E-01	1.86E-01	6.99E-02	1.87E-03	3.65E-03	2.61E-01
79	486633.18	3855593.15	0.90932	0.08868	0.01	0.04908	1.49E-01	6.88E-02	1.94E-03	3.61E-03	2.23E-01	1.47E-01	2.98E-06	2.13E-05	1.06E-04	1.47E-01	1.78E-01	6.88E-02	1.94E-03	3.61E-03	2.52E-01
80	486683.18	3855593.15	0.87665	0.08757	0.0103	0.04852	1.43E-01	6.79E-02	2.00E-03	3.57E-03	2.17E-01	1.41E-01	2.94E-06	2.19E-05	1.04E-04	1.41E-01	1.72E-01	6.79E-02	2.00E-03	3.57E-03	2.45E-01
81	486533.18	3855643.15	1.07079	0.09677	0.0089	0.05232	1.75E-01	7.51E-02	1.73E-03	3.85E-03	2.56E-01	1.73E-01	3.25E-06	1.89E-05	1.13E-04	1.73E-01	2.10E-01	7.51E-02	1.73E-03	3.85E-03	2.90E-01
82	486583.18	3855643.15	1.02305	0.09513	0.0095	0.05167	1.67E-01	7.38E-02	1.84E-03	3.80E-03	2.47E-01	1.65E-01	3.20E-06	2.02E-05	1.11E-04	1.65E-01	2.00E-01	7.38E-02	1.84E-03	3.80E-03	2.80E-01
83	486633.18	3855643.15	0.97857	0.09351	0.0099	0.05102	1.60E-01	7.25E-02	1.92E-03	3.76E-03	2.38E-01	1.58E-01	3.14E-06	2.11E-05	1.10E-04	1.58E-01	1.91E-01	7.25E-02	1.92E-03	3.76E-03	2.70E-01
84	486683.18	3855643.15	0.93951	0.0921	0.0103	0.05036	1.54E-01	7.14E-02	1.99E-03	3.71E-03	2.31E-01	1.51E-01	3.09E-06	2.19E-05	1.08E-04	1.52E-01	1.84E-01	7.14E-02	1.99E-03	3.71E-03	2.61E-01
85	486533.18	3855693.15	1.15859	0.10242	0.0087	0.05445	1.89E-01	7.94E-02	1.69E-03	4.01E-03	2.75E-01	1.87E-01	3.44E-06	1.85E-05	1.17E-04	1.87E-01	2.27E-01	7.95E-02	1.69E-03	4.01E-03	3.12E-01
86	486583.18	3855693.15	1.09512	0.10001	0.0093	0.05371	1.79E-01	7.76E-02	1.80E-03	3.95E-03	2.62E-01	1.76E-01	3.36E-06	1.97E-05	1.16E-04	1.77E-01	2.14E-01	7.76E-02	1.80E-03	3.95E-03	2.98E-01
87	486633.18	3855693.15	1.03548	0.0976	0.0099	0.05296	1.69E-01	7.57E-02	1.91E-03	3.90E-03	2.51E-01	1.67E-01	3.28E-06	2.10E-05	1.14E-04	1.67E-01	2.03E-01	7.57E-02	1.91E-03	3.90E-03	2.84E-01
88	486683.18	3855693.15	1.00448	0.09681	0.0102	0.05218	1.64E-01	7.51E-02	1.98E-03	3.84E-03	2.45E-01	1.62E-01	3.25E-06	2.18E-05	1.12E-04	1.62E-01	1.97E-01	7.51E-02	1.98E-03	3.84E-03	2.77E-01
89	486733.18	3855693.15	0.98457	0.09664	0.0105	0.05139	1.61E-01	7.50E-02	2.03E-03	3.78E-03	2.42E-01	1.59E-01	3.25E-06	2.23E-05	1.11E-04	1.59E-01	1.93E-01	7.50E-02	2.03E-03	3.78E-03	2.73E-01
90	486783.18	3855693.15	0.97026	0.09683	0.0107	0.05061	1.59E-01	7.51E-02	2.07E-03	3.73E-03	2.40E-01	1.56E-01	3.25E-06	2.26E-05	1.09E-04	1.56E-01	1.90E-01	7.51E-02	2.07E-03	3.73E-03	2.71E-01
91	486533.18	3855743.15	1.24314	0.10789	0.0086	0.05655	2.03E-01	8.37E-02	1.66E-03	4.16E-03	2.93E-01	2.00E-01	3.62E-06	1.82E-05	1.22E-04	2.00E-01	2.43E-01	8.37E-02	1.66E-03	4.16E-03	3.33E-01
92	486583.18	3855743.15	1.1643	0.10474	0.0091	0.0557	1.90E-01	8.12E-02	1.76E-03	4.10E-03	2.78E-01	1.88E-01	3.52E-06	1.93E-05	1.20E-04	1.88E-01	2.28E-01	8.13E-02	1.76E-03	4.10E-03	3.15E-01
93	486633.18	3855743.15	1.10844	0.10273	0.0097	0.05482	1.81E-01	7.97E-02	1.88E-03	4.04E-03	2.67E-01	1.79E-01	3.45E-06	2.06E-05	1.18E-04	1.79E-01	2.17E-01	7.97E-02	1.88E-03	4.04E-03	3.03E-01
94	486683.18	3855743.15	1.08104	0.10229	0.0101	0.05391	1.77E-01	7.93E-02	1.96E-03	3.97E-03	2.62E-01	1.74E-01	3.44E-06	2.15E-05	1.16E-04	1.74E-01	2.12E-01	7.94E-02	1.96E-03	3.97E-03	2.97E-01
95	486733.18	3855743.15	1.04681	0.10132	0.0105	0.05303	1.71E-01	7.86E-02	2.03E-03	3.90E-03	2.56E-01	1.69E-01	3.40E-06	2.22E-05	1.14E-04	1.69E-01	2.05E-01	7.86E-02	2.03E-03	3.90E-03	2.89E-01
96	486783.18	3855743.15	1.0368	0.10188	0.0107	0.05212	1.70E-01	7.90E-02	2.07E-03	3.84E-03	2.55E-01	1.67E-01	3.42E-06	2.27E-05	1.12E-04	1.67E-01	2.03E-01	7.90E-02	2.07E-03	3.84E-03	2.88E-01
97	486533.18	3855793.15	1.33434	0.11374	0.0085	0.05852	2.18E-01	8.82E-02	1.64E-03	4.31E-03	3.12E-01	2.15E-01	3.82E-06	1.80E-05	1.26E-04	2.15E-01	2.61E-01	8.82E-02	1.64E-03	4.31E-03	3.55E-01
98	486583.18	3855793.15	1.23105	0.10933	0.009	0.05759	2.01E-01	8.48E-02	1.74E-03	4.24E-03	2.92E-01	1.98E-01	3.67E-06	1.91E-05	1.24E-04	1.99E-01	2.41E-01	8.48E-02	1.74E-03	4.24E-03	3.32E-01
99	486633.18	3855793.15	1.19642	0.10872	0.0094	0.05652	1.96E-01	8.43E-02	1.83E-03	4.16E-03	2.86E-01	1.93E-01	3.65E-06	2.00E-05	1.22E-04	1.93E-01	2.34E-01	8.43E-02	1.83E-03	4.16E-03	3.24E-01
100	486683.18	3855793.15	1.16604	0.10826	0.0099	0.05547	1.91E-01	8.40E-02	1.92E-03	4.08E-03	2.81E-01	1.88E-01	3.64E-06	2.11E-05	1.19E-04	1.88E-01	2.28E-01	8.40E-02	1.92E-03	4.08E-03	3.18E-01
101	486733.18	3855793.15	1.13156	0.10745	0.0103	0.05447	1.85E-01	8.33E-02	2.00E-03	4.01E-03	2.74E-01	1.82E-01	3.61E-06	2.20E-05	1.17E-04	1.82E-01	2.21E-01	8.34E-02	2.00E-03	4.01E-03	3.11E-01
102	486783.18	3855793.15	1.10272	0.10691	0.0106	0.05348	1.80E-01	8.29E-02	2.06E-03	3.94E-03	2.69E-01	1.78E-01	3.59E-06	2.26E-05	1.15E-04	1.78E-01	2.16E-01	8.29E-02	2.06E-03	3.94E-03	3.05E-01
103	486533.18	3855843.15	1.41363	0.11882	0.0085	0.06031	2.31E-01	9.22E-02	1.65E-03	4.44E-03	3.29E-01	2.28E-01	3.99E-06	1.81E-05	1.30E-04	2.28E-01	2.77E-01	9.22E-02	1.65E-03	4.44E-03	3.75E-01
104	486583.18	3855843.15	1.32081	0.1152	0.0089	0.0592	2.16E-01	8.94E-02	1.72E-03	4.36E-03	3.11E-01	2.13E-01	3.87E-06	1.88E-05	1.27E-04	2.13E-01	2.58E-01	8.94E-02	1.72E-03	4.36E-03	3.54E-01
105	486633.18	3855843.15	1.28306	0.11458	0.0092	0.05799	2.10E-01	8.89E-02	1.79E-03	4.27E-03	3.05E-01	2.07E-01	3.85E-06	1.96E-05	1.25E-04	2.07E-01	2.51E-01	8.89E-02	1.79E-03	4.27E-03	3.46E-01
106	486683.18	3855843.15	1.24814	0.11403	0.0097	0.05682	2.04E-01	8.85E-02	1.88E-03	4.18E-03	2.99E-01	2.01E-01	3.83E-06	2.06E-05	1.22E-04	2.01E-01	2.44E-01	8.85E-02	1.88E-03	4.18E-03	3.39E-01
107	486733.18	3855843.15	1.21465	0.1135	0.0102	0.05568	1.99E-01	8.80E-02	1.97E-03	4.10E-03	2.93E-01	1.96E-01	3.81E-06	2.16E-05	1.20E-04	1.96E-01	2.38E-01	8.80E-02	1.97E-03	4.10E-03	3.32E-01
108	486783.18	3855843.15	1.17993	0.11274	0.0106	0.0546	1.93E-01	8.75E-02	2.05E-03	4.02E-03	2.87E-01	1.90E-01	3.79E-06	2.25E-05	1.18E-04	1.90E-01	2.31E-01	8.75E-02	2.05E-03	4.02E-03	3.24E-01
109	486533.18	3855893.15	1.47415	0.12271	0.0087	0.06186	2.41E-01	9.52E-02	1.69E-03	4.55E-03	3.43E-01	2.38E-01	4.12E-06	1.85E-05	1.33E-04	2.38E-01	2.88E-01	9.52E-02	1.69E-03	4.55E-03	3.90E-01
110	486583.18	3855893.15	1.42377	0.12176	0.0088	0.06049	2.33E-01	9.44E-02	1.71E-03	4.45E-03	3.33E-01	2.29E-01	4.09E-06	1.87E-05	1.30E-04	2.30E-01	2.79E-01	9.45E-02	1.71E-03	4.45E-03	3.79E-01
111	486633.18	3855893.15	1.37464	0.1207	0.0091	0.05917	2.25E-01	9.36E-02	1.76E-03	4.36E-03	3.25E-01	2.21E-01	4.05E-06	1.93E-05	1.27E-04	2.22E-01	2.69E-01	9.36E-02	1.76E-03	4.36E-03	3.69E-01
112	486683.18	3855893.15	1.33454	0.12003	0.0095	0.05788	2.18E-01	9.31E-02	1.84E-03	4.26E-03	3.17E-01	2.15E-01	4.03E-06	2.01E-05	1.25E-04	2.15E-01	2.61E-01	9.31E-02	1.84E-03	4.26E-03	3.60E-01
113	486733.18	3855893.15	1.29654	0.11937	0.0099	0.05664	2.12E-01	9.26E-02	1.93E-03	4.17E-03	3.11E-01	2.09E-01	4.01E-06	2.11E-05	1.22E-04	2.09E-01	2.54E-01	9.26E-02	1.93E-03	4.17E-03	3.52E-01
114	486783.18	3855893.15	1.26468	0.11904	0.0104	0.05543	2.07E-01	9.23E-02	2.01E-03	4.08E-03	3.05E-01	2.04E-01	4.00E-06	2.21E-05	1.19E-04	2.04E-01	2.47E-01	9.23E-02	2.01E-03	4.08E-03	3.46E-01
115	486533.18	3855943.15	1.57359	0.12865	0.0088	0.06299	2.57E-01	9.98E-02	1.71E-03	4.64E-03	3.64E-01	2.54E-01	4.32E-06	1.88E-05	1.36E-04	2.54E-01	3.08E-01	9.98E-02	1.71E-03	4.64E-03	4.14E-01
116	486583.18	3855943.15	1.53463	0.12858	0.0088	0.06145	2.51E-01	9.97E-02	1.71E-03	4.52E-03	3.57E-01	2.47E-01	4.32E-06	1.88E-05	1.32E-04	2.47E-01	3.00E-01	9.97E-02	1.71E-03	4.52E-03	4.06E-01
117	486633.18	3855943.15	1.47305	0.12706	0.009	0.06004	2.41E-01	9.86E-02	1.75E-03	4.42E-03	3.46E-01	2.37E-01	4.27E-06	1.92E-05	1.29E-04	2.38E-01	2.88E-01	9.86E-02	1.75E-03	4.42E-03	3.93E-01
118	486683.18	3855943.15	1.43292	0.12664	0.0093	0.05863	2.34E-01	9.82E-02	1.81E-03	4.32E-03	3.39E-01	2.31E-01	4.25E-06	1.98E-05	1.26E-04	2.31E-01	2.80E-01	9.82E-02	1.81E-03	4.32E-03	3.85E-01

119	486733.18	3855943.15	1.38404	0.12552	0.0097	0.05732	2.26E-01	9.74E-02	1.89E-03	4.22E-03	3.30E-01	2.23E-01	4.22E-06	2.07E-05	1.23E-04	2.23E-01	2.71E-01	9.74E-02	1.89E-03	4.22E-03	3.74E-01
120	486783.18	3855943.15	1.34993	0.12524	0.0102	0.05602	2.21E-01	9.71E-02	1.97E-03	4.12E-03	3.24E-01	2.18E-01	4.21E-06	2.16E-05	1.21E-04	2.18E-01	2.64E-01	9.72E-02	1.97E-03	4.12E-03	3.67E-01
121	486533.18	3855993.15	1.69873	0.13567	0.009	0.06373	2.78E-01	1.05E-01	1.74E-03	4.69E-03	3.90E-01	2.74E-01	4.56E-06	1.91E-05	1.37E-04	2.74E-01	3.32E-01	1.05E-01	1.74E-03	4.69E-03	4.44E-01
122	486583.18	3855993.15	1.6388	0.13477	0.009	0.06213	2.68E-01	1.05E-01	1.74E-03	4.57E-03	3.79E-01	2.64E-01	4.53E-06	1.91E-05	1.34E-04	2.64E-01	3.21E-01	1.05E-01	1.74E-03	4.57E-03	4.32E-01
123	486633.18	3855993.15	1.57955	0.13367	0.009	0.0606	2.58E-01	1.04E-01	1.75E-03	4.46E-03	3.68E-01	2.55E-01	4.49E-06	1.92E-05	1.30E-04	2.55E-01	3.09E-01	1.04E-01	1.75E-03	4.46E-03	4.19E-01
124	486683.18	3855993.15	1.53243	0.13311	0.0092	0.05911	2.51E-01	1.03E-01	1.79E-03	4.35E-03	3.60E-01	2.47E-01	4.47E-06	1.96E-05	1.27E-04	2.47E-01	3.00E-01	1.03E-01	1.79E-03	4.35E-03	4.09E-01
125	486733.18	3855993.15	1.48013	0.13205	0.0096	0.05772	2.42E-01	1.02E-01	1.86E-03	4.25E-03	3.51E-01	2.38E-01	4.44E-06	2.04E-05	1.24E-04	2.39E-01	2.90E-01	1.02E-01	1.86E-03	4.25E-03	3.98E-01
126	486783.18	3855993.15	1.43573	0.13133	0.01	0.05638	2.35E-01	1.02E-01	1.94E-03	4.15E-03	3.43E-01	2.31E-01	4.41E-06	2.13E-05	1.21E-04	2.31E-01	2.81E-01	1.02E-01	1.94E-03	4.15E-03	3.89E-01
127	486533.18	3856043.15	1.82878	0.1426	0.0091	0.06419	2.99E-01	1.11E-01	1.77E-03	4.73E-03	4.16E-01	2.95E-01	4.79E-06	1.94E-05	1.38E-04	2.95E-01	3.58E-01	1.11E-01	1.77E-03	4.73E-03	4.75E-01
128	486583.18	3856043.15	1.7665	0.14195	0.0091	0.06249	2.89E-01	1.10E-01	1.76E-03	4.60E-03	4.05E-01	2.85E-01	4.77E-06	1.93E-05	1.35E-04	2.85E-01	3.46E-01	1.10E-01	1.76E-03	4.60E-03	4.62E-01
129	486633.18	3856043.15	1.69353	0.14043	0.0091	0.0609	2.77E-01	1.09E-01	1.77E-03	4.48E-03	3.92E-01	2.73E-01	4.72E-06	1.94E-05	1.31E-04	2.73E-01	3.31E-01	1.09E-01	1.77E-03	4.48E-03	4.47E-01
130	486683.18	3856043.15	1.6421	0.13995	0.0092	0.05935	2.69E-01	1.09E-01	1.79E-03	4.37E-03	3.83E-01	2.65E-01	4.70E-06	1.96E-05	1.28E-04	2.65E-01	3.21E-01	1.09E-01	1.79E-03	4.37E-03	4.36E-01
131	486733.18	3856043.15	1.57963	0.13856	0.0095	0.05792	2.58E-01	1.07E-01	1.84E-03	4.26E-03	3.72E-01	2.55E-01	4.65E-06	2.02E-05	1.25E-04	2.55E-01	3.09E-01	1.07E-01	1.84E-03	4.26E-03	4.23E-01
132	486783.18	3856043.15	1.53644	0.13827	0.0098	0.05652	2.51E-01	1.07E-01	1.91E-03	4.16E-03	3.65E-01	2.48E-01	4.64E-06	2.09E-05	1.22E-04	2.48E-01	3.01E-01	1.07E-01	1.91E-03	4.16E-03	4.14E-01
133	486533.18	3856093.15	1.9838	0.15035	0.0092	0.06438	3.24E-01	1.17E-01	1.79E-03	4.74E-03	4.48E-01	3.20E-01	5.05E-06	1.96E-05	1.39E-04	3.20E-01	3.88E-01	1.17E-01	1.79E-03	4.74E-03	5.11E-01
134	486583.18	3856093.15	1.89992	0.14903	0.0092	0.06264	3.11E-01	1.16E-01	1.79E-03	4.61E-03	4.33E-01	3.06E-01	5.01E-06	1.96E-05	1.35E-04	3.06E-01	3.72E-01	1.16E-01	1.79E-03	4.61E-03	4.94E-01
135	486633.18	3856093.15	1.82117	0.14762	0.0093	0.061	2.98E-01	1.15E-01	1.80E-03	4.49E-03	4.19E-01	2.93E-01	4.96E-06	1.97E-05	1.31E-04	2.94E-01	3.56E-01	1.15E-01	1.80E-03	4.49E-03	4.77E-01
136	486683.18	3856093.15	1.75743	0.14679	0.0093	0.05943	2.87E-01	1.14E-01	1.81E-03	4.38E-03	4.07E-01	2.83E-01	4.93E-06	1.98E-05	1.28E-04	2.83E-01	3.44E-01	1.14E-01	1.81E-03	4.38E-03	4.64E-01
137	486733.18	3856093.15	1.69091	0.14553	0.0095	0.05795	2.77E-01	1.13E-01	1.84E-03	4.27E-03	3.96E-01	2.72E-01	4.89E-06	2.02E-05	1.25E-04	2.73E-01	3.31E-01	1.13E-01	1.84E-03	4.27E-03	4.50E-01
138	486783.18	3856093.15	1.63652	0.14484	0.0098	0.05653	2.68E-01	1.12E-01	1.89E-03	4.16E-03	3.86E-01	2.64E-01	4.87E-06	2.08E-05	1.22E-04	2.64E-01	3.20E-01	1.12E-01	1.89E-03	4.16E-03	4.39E-01
139	486533.18	3856143.15	2.14419	0.15777	0.0093	0.06441	3.51E-01	1.22E-01	1.80E-03	4.74E-03	4.80E-01	3.45E-01	5.30E-06	1.97E-05	1.39E-04	3.46E-01	4.20E-01	1.22E-01	1.80E-03	4.74E-03	5.49E-01
140	486583.18	3856143.15	2.0386	0.15588	0.0094	0.06266	3.33E-01	1.21E-01	1.82E-03	4.61E-03	4.61E-01	3.28E-01	5.24E-06	2.00E-05	1.35E-04	3.29E-01	3.99E-01	1.21E-01	1.82E-03	4.61E-03	5.26E-01
141	486633.18	3856143.15	1.95878	0.15489	0.0094	0.06097	3.20E-01	1.20E-01	1.83E-03	4.49E-03	4.47E-01	3.16E-01	5.20E-06	2.00E-05	1.31E-04	3.16E-01	3.83E-01	1.20E-01	1.83E-03	4.49E-03	5.10E-01
142	486683.18	3856143.15	1.88086	0.15369	0.0095	0.05937	3.08E-01	1.19E-01	1.83E-03	4.37E-03	4.33E-01	3.03E-01	5.16E-06	2.01E-05	1.28E-04	3.03E-01	3.68E-01	1.19E-01	1.83E-03	4.37E-03	4.93E-01
143	486733.18	3856143.15	1.80896	0.15253	0.0095	0.05786	2.96E-01	1.18E-01	1.85E-03	4.26E-03	4.20E-01	2.91E-01	5.12E-06	2.03E-05	1.25E-04	2.92E-01	3.54E-01	1.18E-01	1.85E-03	4.26E-03	4.78E-01
144	486783.18	3856143.15	1.7551	0.15237	0.0097	0.0564	2.87E-01	1.18E-01	1.88E-03	4.15E-03	4.11E-01	2.83E-01	5.12E-06	2.07E-05	1.21E-04	2.83E-01	3.43E-01	1.18E-01	1.88E-03	4.15E-03	4.68E-01
145	486533.18	3856193.15	2.33416	0.16584	0.0093	0.06429	3.82E-01	1.29E-01	1.80E-03	4.73E-03	5.17E-01	3.76E-01	5.57E-06	1.97E-05	1.38E-04	3.76E-01	4.57E-01	1.29E-01	1.80E-03	4.73E-03	5.92E-01
146	486583.18	3856193.15	2.20246	0.16337	0.0095	0.06255	3.60E-01	1.27E-01	1.84E-03	4.61E-03	4.93E-01	3.55E-01	5.49E-06	2.02E-05	1.35E-04	3.55E-01	4.31E-01	1.27E-01	1.84E-03	4.61E-03	5.64E-01
147	486633.18	3856193.15	2.10815	0.16221	0.0096	0.06083	3.45E-01	1.26E-01	1.85E-03	4.48E-03	4.77E-01	3.40E-01	5.45E-06	2.03E-05	1.31E-04	3.40E-01	4.13E-01	1.26E-01	1.85E-03	4.48E-03	5.45E-01
148	486683.18	3856193.15	2.03113	0.16166	0.0096	0.05918	3.32E-01	1.25E-01	1.86E-03	4.36E-03	4.64E-01	3.27E-01	5.43E-06	2.04E-05	1.27E-04	3.27E-01	3.97E-01	1.25E-01	1.86E-03	4.36E-03	5.29E-01
149	486733.18	3856193.15	1.94254	0.16003	0.0097	0.05765	3.18E-01	1.24E-01	1.87E-03	4.24E-03	4.48E-01	3.13E-01	5.38E-06	2.05E-05	1.24E-04	3.13E-01	3.80E-01	1.24E-01	1.87E-03	4.24E-03	5.10E-01
150	486783.18	3856193.15	1.87896	0.15976	0.0098	0.05616	3.07E-01	1.24E-01	1.89E-03	4.13E-03	4.37E-01	3.03E-01	5.37E-06	2.08E-05	1.21E-04	3.03E-01	3.68E-01	1.24E-01	1.89E-03	4.13E-03	4.98E-01
151	486533.18	3856243.15	2.53982	0.17363	0.0093	0.06407	4.15E-01	1.35E-01	1.79E-03	4.72E-03	5.57E-01	4.09E-01	5.83E-06	1.97E-05	1.38E-04	4.09E-01	4.97E-01	1.35E-01	1.79E-03	4.72E-03	6.38E-01
152	486583.18	3856243.15	2.40177	0.17175	0.0095	0.06227	3.93E-01	1.33E-01	1.84E-03	4.58E-03	5.32E-01	3.87E-01	5.77E-06	2.02E-05	1.34E-04	3.87E-01	4.70E-01	1.33E-01	1.84E-03	4.58E-03	6.10E-01
153	486633.18	3856243.15	2.28189	0.17006	0.0097	0.06054	3.73E-01	1.32E-01	1.87E-03	4.46E-03	5.11E-01	3.68E-01	5.71E-06	2.05E-05	1.30E-04	3.68E-01	4.47E-01	1.32E-01	1.87E-03	4.46E-03	5.85E-01
154	486683.18	3856243.15	2.18159	0.16888	0.0097	0.05888	3.57E-01	1.31E-01	1.89E-03	4.33E-03	4.94E-01	3.52E-01	5.67E-06	2.07E-05	1.27E-04	3.52E-01	4.27E-01	1.31E-01	1.89E-03	4.33E-03	5.64E-01
155	486733.18	3856243.15	2.09502	0.16809	0.0098	0.05729	3.43E-01	1.30E-01	1.90E-03	4.22E-03	4.79E-01	3.38E-01	5.65E-06	2.08E-05	1.23E-04	3.38E-01	4.10E-01	1.30E-01	1.90E-03	4.22E-03	5.46E-01
156	486783.18	3856243.15	2.00754	0.16682	0.0099	0.0558	3.28E-01	1.29E-01	1.91E-03	4.11E-03	4.64E-01	3.23E-01	5.60E-06	2.10E-05	1.20E-04	3.24E-01	3.93E-01	1.29E-01	1.91E-03	4.11E-03	5.28E-01
157	486533.18	3856293.15	2.78743	0.18193	0.0092	0.06367	4.56E-01	1.41E-01	1.78E-03	4.69E-03	6.04E-01	4.49E-01	6.11E-06	1.95E-05	1.37E-04	4.49E-01	5.45E-01	1.41E-01	1.78E-03	4.69E-03	6.93E-01
158	486583.18	3856293.15	2.61803	0.17975	0.0095	0.06183	4.28E-01	1.39E-01	1.84E-03	4.55E-03	5.74E-01	4.22E-01	6.04E-06	2.02E-05	1.33E-04	4.22E-01	5.12E-01	1.39E-01	1.84E-03	4.55E-03	6.58E-01
159	486633.18	3856293.15	2.47838	0.17806	0.0097	0.06007	4.05E-01	1.38E-01	1.88E-03	4.42E-03	5.50E-01	3.99E-01	5.98E-06	2.07E-05	1.29E-04	4.00E-01	4.85E-01	1.38E-01	1.88E-03	4.42E-03	6.29E-01
160	486683.18	3856293.15	2.35714	0.17662	0.0099	0.05839	3.86E-01	1.37E-01	1.91E-03	4.30E-03	5.29E-01	3.80E-01	5.93E-06	2.10E-05	1.26E-04	3.80E-01	4.61E-01	1.37E-01	1.91E-03	4.30E-03	6.04E-01
161	486733.18	3856293.15	2.25932	0.17601	0.0099	0.05676	3.70E-01	1.37E-01	1.93E-03	4.18E-03	5.12E-01	3.64E-01	5.91E-06	2.11E-05	1.22E-04	3.64E-01	4.42E-01	1.37E-01	1.93E-03	4.18E-03	5.85E-01
162	486783.18	3856293.15	2.15609	0.17451	0.01	0.05525	3.53E-01	1.35E-01	1.94E-03	4.07E-03	4.94E-01	3.47E-01	5.86E-06	2.13E-05	1.19E-04	3.48E-01	4.22E-01	1.35E-01	1.94E-03	4.07E-03	5.63E-01
163	486783.18	3856343.15	2.33176	0.1831	0.0102	0.05446	3.81E-01	1.42E-01	1.97E-03	4.01E-03	5.29E-01	3.76E-01	6.15E-06	2.16E-05	1.17E-04	3.76E-01	4.56E-01	1.42E-01	1.97E-03	4.01E-03	6.04E-01
164	486833.18	3856343.15	2.22513	0.18186	0.0103	0.053	3.64E-01	1.41E-01	1.99E-03	3.90E-03	5.11E-01	3.59E-01	6.11E-06	2.18E-05	1.14E-04	3.59E-01	4.35E-01	1.41E-01	1.99E-03	3.90E-03	5.82E-01
165	486883.18	3856343.15	2.12811	0.18075	0.0104	0.05162	3.48E-01	1.40E-01	2.02E-03	3.80E-03	4.94E-01	3.43E-01	6.07E-06	2.22E-05	1.11E-04	3.43E-01	4.16E-01	1.40E-01	2.02E-03	3.80E-03	5.62E-01
166	486783.18	3856393.15	2.51087	0.19044	0.0103	0.05348	4.11E-01	1.48E-01	2.00E-03	3.94E-03	5.64E-01	4.05E-01	6.40E-06	2.20E-05	1.15E-04	4.05E-01	4.91E-01	1.48E-01	2.00E-03	3.94E-03	6.45E-01
167	486833.18	3856393.15	2.38877	0.18927	0.0105	0.05202	3.91E-01	1.47E-01	2.03E-03	3.83E-03	5.43E-01	3.85E-01	6.36E-06	2.22E-05	1.12E-04	3.85E-01	4.67E-01	1.47E-01	2.03E-03	3.83E-03	6.20E-01
168	486883.18	3856393.15	2.26978	0.18738	0.0106	0.05066	3.71E-01	1.45E-01	2.05E-03	3.73E-03	5.22E-01	3.66E-01	6.29E-06	2.25E-05	1.09E-04	3.66E-01	4.44E-01	1.45E-01	2.05E-03	3.73E-03	5.95E-01
169	487208.74	3856886.11	3.14207	0.24297	0.0152	0.03083	5.14E-01	1.88E-01	2.94E-03	2.27E-03	7.08E-01	5.06E-01	8.16E-06	3.22E-05	6.64E-05	5.06E-01	6.15E-01	1.88E-01	2.94E-03	2.27E-03	8.09E-01
170	487258.74	3856886.11	2.88937	0.24001	0.0157	0.03047	4.73E-01	1.86E-01	3.04E-03	2.24E-03	6.64E-01	4.66E-01	8.06E-06	3.33E-05	6.56E-05	4.66E-01	5.65E-01	1.86E-01	3.04E-03	2.24E-03	7.57E-01
171	487308.74	3856886.11	2.66946	0.23729	0.0163	0.03013	4.37E-01	1.84E-01	3.16E-03	2.22E-03	6.26E-01	4.30E-01	7.97E-06	3.47E-05	6.49E-05	4.30E-01	5.22E-01	1.84E-01	3.16E-03	2.22E-03	7.12E-01
172	487358.74	3856886.11	2.47646	0.2341	0.0171	0.02982	4.05E-01	1.82E-01	3.31E-03	2.20E-03	5.92E-01	3.99E-01	7.86E-06	3.63E-05	6.42E-05	3.99E-01	4.85E-01	1.82E-01	3.31E-03	2.20E-03	6.72E-01
173	487208.74	3856936.11	3.374	0.24871	0.0156	0.02967	5.52E-01	1.93E-01	3.03E-03	2.18E-03	7.50E-01	5.44E-01	8.35E-06	3.32E-05	6.39E-05	5.44E-01	6.60E-01	1.93E-01	3.03E-03	2.18E-03	8.58E-01
174	487258.74	3856936.11	3.05317	0.24582	0.0161	0.02937	4.99E-01	1.91E-01	3.13E-03	2.16E-03	6.95E-01	4.92E-01	8.26E-06	3.43E-05	6.32E-05	4.92E-01	5.97E-01	1.91E-01	3.13E-03	2.16E-03	7.93E-01
175	487308.74	3856936.11	2.77919	0.24321	0.0168	0.02907	4.55E-01	1.89E-01	3.25E-03	2.14E-03	6.49E-01	4.48E-01	8.17E-06	3.56E-05	6.26E-05	4.48E-01	5.44E-01	1.89E-01	3.25E-03	2.14E-03	7.38E-01
176	487358.74	3856936.11	2.54573	0.24024	0.0175	0.02881	4.16E-01	1.86E-01	3.39E-03	2.12E-03	6.08E-01	4.10E-01	8.07E-06	3.72E-05	6.20E-05	4.10E-01	4.98E-01	1.86E-01	3.39E-03	2.12E-03	6.90E-01
177	487208.74	3856986.11	3.56642	0.25401	0.0161	0.02858	5.83E-01	1.97E-01	3.13E-03	2.10E-03	7.86E-01	5.75E-01	8.53E-06	3.43E-05	6.15E-05	5.75E-01	6.98E-01	1.97E-01	3.13E-03	2.10E-03	9.00E-01
178	487258.74	3856986.11	3.14505	0.25199	0.0167	0.02832	5.14E-01	1.95E-01	3.23E-03	2.09E-03	7.15E-01	5.07E-01	8.46E-06	3.54E-05	6.10E-05	5.07E-01	6.15E-01	1.95E-01	3.23E-03	2.09E-03	8.16E-01
179	487308.74	3856986.11	2.81632	0.24858	0.0173	0.02809	4.61E-01	1.93E-01	3.35E-03	2.07E-03	6.59E-01	4.54E-01	8.35E-06	3.67E-05	6.05E-05	4.54E-01	5.51E-01	1.93E-01	3.35E-03	2.07E-03	7.49E-01

180	487358.74	3856986.11	2.54331	0.24621	0.018	0.02786	4.16E-01	1.91E-01	3.49E-03	2.05E-03	6.13E-01	4.10E-01	8.27E-06	3.83E-05	6.00E-05	4.10E-01	4.98E-01	1.91E-01	3.49E-03	2.05E-03	6.94E-01
181	487208.74	3857036.11	3.52601	0.25865	0.0167	0.02755	5.77E-01	2.01E-01	3.24E-03	2.03E-03	7.83E-01	5.68E-01	8.69E-06	3.55E-05	5.93E-05	5.68E-01	6.90E-01	2.01E-01	3.24E-03	2.03E-03	8.96E-01
182	487258.74	3857036.11	3.0549	0.25633	0.0173	0.02735	5.00E-01	1.99E-01	3.34E-03	2.01E-03	7.04E-01	4.92E-01	8.61E-06	3.67E-05	5.89E-05	4.92E-01	5.98E-01	1.99E-01	3.34E-03	2.01E-03	8.02E-01
183	487308.74	3857036.11	2.69951	0.25432	0.0179	0.02716	4.42E-01	1.97E-01	3.47E-03	2.00E-03	6.44E-01	4.35E-01	8.54E-06	3.80E-05	5.85E-05	4.35E-01	5.28E-01	1.97E-01	3.47E-03	2.00E-03	7.31E-01
184	487358.74	3857036.11	2.4245	0.25162	0.0186	0.02699	3.97E-01	1.95E-01	3.61E-03	1.99E-03	5.97E-01	3.91E-01	8.45E-06	3.95E-05	5.81E-05	3.91E-01	4.74E-01	1.95E-01	3.61E-03	1.99E-03	6.75E-01
185	487427.14	3856878.23	2.23491	0.23034	0.0182	0.02955	3.66E-01	1.79E-01	3.53E-03	2.18E-03	5.50E-01	3.60E-01	7.74E-06	3.87E-05	6.36E-05	3.60E-01	4.37E-01	1.79E-01	3.53E-03	2.18E-03	6.22E-01
186	487477.14	3856878.23	2.09004	0.22791	0.0191	0.02925	3.42E-01	1.77E-01	3.70E-03	2.15E-03	5.24E-01	3.37E-01	7.66E-06	4.06E-05	6.30E-05	3.37E-01	4.09E-01	1.77E-01	3.70E-03	2.15E-03	5.92E-01
187	487527.14	3856878.23	1.96051	0.22523	0.02	0.02895	3.21E-01	1.75E-01	3.88E-03	2.13E-03	5.01E-01	3.16E-01	7.57E-06	4.26E-05	6.23E-05	3.16E-01	3.84E-01	1.75E-01	3.88E-03	2.13E-03	5.64E-01
188	487427.14	3856928.23	2.27324	0.23611	0.0186	0.0286	3.72E-01	1.83E-01	3.61E-03	2.11E-03	5.61E-01	3.66E-01	7.93E-06	3.96E-05	6.16E-05	3.66E-01	4.45E-01	1.83E-01	3.61E-03	2.11E-03	6.34E-01
189	487477.14	3856928.23	2.11072	0.23293	0.0196	0.02834	3.45E-01	1.81E-01	3.80E-03	2.09E-03	5.32E-01	3.40E-01	7.82E-06	4.17E-05	6.10E-05	3.40E-01	4.13E-01	1.81E-01	3.80E-03	2.09E-03	6.00E-01
190	487527.14	3856928.23	1.96635	0.23046	0.0206	0.02808	3.22E-01	1.79E-01	4.00E-03	2.07E-03	5.06E-01	3.17E-01	7.74E-06	4.39E-05	6.04E-05	3.17E-01	3.85E-01	1.79E-01	4.00E-03	2.07E-03	5.70E-01
191	487577.14	3856928.23	1.83904	0.22797	0.0217	0.02783	3.01E-01	1.77E-01	4.21E-03	2.05E-03	4.84E-01	2.96E-01	7.66E-06	4.61E-05	5.99E-05	2.96E-01	3.60E-01	1.77E-01	4.21E-03	2.05E-03	5.43E-01
192	487627.14	3856928.23	1.72729	0.22486	0.0229	0.0276	2.83E-01	1.74E-01	4.44E-03	2.03E-03	4.63E-01	2.78E-01	7.55E-06	4.86E-05	5.94E-05	2.78E-01	3.38E-01	1.74E-01	4.44E-03	2.03E-03	5.19E-01
193	487677.14	3856928.23	1.62538	0.22295	0.0242	0.02738	2.66E-01	1.73E-01	4.69E-03	2.02E-03	4.45E-01	2.62E-01	7.49E-06	5.14E-05	5.89E-05	2.62E-01	3.18E-01	1.73E-01	4.69E-03	2.02E-03	4.98E-01
194	487727.14	3856928.23	1.53351	0.22127	0.0255	0.02718	2.51E-01	1.72E-01	4.94E-03	2.00E-03	4.29E-01	2.47E-01	7.43E-06	5.42E-05	5.85E-05	2.47E-01	3.00E-01	1.72E-01	4.94E-03	2.00E-03	4.79E-01
195	487777.14	3856928.23	1.45188	0.21893	0.0265	0.027	2.37E-01	1.70E-01	5.13E-03	1.99E-03	4.14E-01	2.34E-01	7.35E-06	5.63E-05	5.81E-05	2.34E-01	2.84E-01	1.70E-01	5.13E-03	1.99E-03	4.61E-01
196	487427.14	3856978.23	2.25736	0.24112	0.0192	0.02771	3.69E-01	1.87E-01	3.71E-03	2.04E-03	5.62E-01	3.64E-01	8.10E-06	4.07E-05	5.97E-05	3.64E-01	4.42E-01	1.87E-01	3.71E-03	2.04E-03	6.35E-01
197	487477.14	3856978.23	2.07989	0.23853	0.0202	0.0275	3.40E-01	1.85E-01	3.91E-03	2.02E-03	5.31E-01	3.35E-01	8.01E-06	4.29E-05	5.92E-05	3.35E-01	4.07E-01	1.85E-01	3.91E-03	2.02E-03	5.98E-01
198	487527.14	3856978.23	1.92764	0.23593	0.0213	0.02728	3.15E-01	1.83E-01	4.13E-03	2.01E-03	5.04E-01	3.11E-01	7.93E-06	4.53E-05	5.87E-05	3.11E-01	3.77E-01	1.83E-01	4.13E-03	2.01E-03	5.66E-01
199	487577.14	3856978.23	1.79616	0.23316	0.0224	0.02708	2.94E-01	1.81E-01	4.35E-03	1.99E-03	4.81E-01	2.89E-01	7.83E-06	4.77E-05	5.83E-05	2.90E-01	3.51E-01	1.81E-01	4.35E-03	1.99E-03	5.39E-01
200	487627.14	3856978.23	1.68237	0.22989	0.0237	0.02691	2.75E-01	1.78E-01	4.59E-03	1.98E-03	4.60E-01	2.71E-01	7.72E-06	5.03E-05	5.79E-05	2.71E-01	3.29E-01	1.78E-01	4.59E-03	1.98E-03	5.14E-01
201	487677.14	3856978.23	1.57947	0.22783	0.025	0.02675	2.58E-01	1.77E-01	4.85E-03	1.97E-03	4.42E-01	2.55E-01	7.65E-06	5.32E-05	5.76E-05	2.55E-01	3.09E-01	1.77E-01	4.85E-03	1.97E-03	4.93E-01
202	487727.14	3856978.23	1.49197	0.22382	0.0264	0.02662	2.44E-01	1.74E-01	5.13E-03	1.96E-03	4.25E-01	2.40E-01	7.52E-06	5.62E-05	5.73E-05	2.41E-01	2.92E-01	1.74E-01	5.13E-03	1.96E-03	4.73E-01
203	487777.14	3856978.23	1.40572	0.22413	0.0276	0.02646	2.30E-01	1.74E-01	5.35E-03	1.95E-03	4.11E-01	2.27E-01	7.53E-06	5.87E-05	5.70E-05	2.27E-01	2.75E-01	1.74E-01	5.35E-03	1.95E-03	4.56E-01
204	487427.14	3857028.23	2.15594	0.24681	0.0197	0.02688	3.53E-01	1.91E-01	3.83E-03	1.98E-03	5.50E-01	3.47E-01	8.29E-06	4.19E-05	5.79E-05	3.47E-01	4.22E-01	1.91E-01	3.83E-03	1.98E-03	6.19E-01
205	487477.14	3857028.23	1.98217	0.24391	0.0208	0.02671	3.24E-01	1.89E-01	4.04E-03	1.97E-03	5.19E-01	3.19E-01	8.19E-06	4.42E-05	5.75E-05	3.20E-01	3.88E-01	1.89E-01	4.04E-03	1.97E-03	5.83E-01
206	487527.14	3857028.23	1.83558	0.24082	0.022	0.02656	3.00E-01	1.87E-01	4.27E-03	1.96E-03	4.93E-01	2.96E-01	8.09E-06	4.68E-05	5.72E-05	2.96E-01	3.59E-01	1.87E-01	4.27E-03	1.96E-03	5.52E-01
207	487577.14	3857028.23	1.70856	0.23814	0.0232	0.02641	2.79E-01	1.85E-01	4.51E-03	1.94E-03	4.71E-01	2.75E-01	8.00E-06	4.94E-05	5.69E-05	2.75E-01	3.34E-01	1.85E-01	4.51E-03	1.94E-03	5.26E-01
208	487627.14	3857028.23	1.60067	0.23457	0.0246	0.0263	2.62E-01	1.82E-01	4.76E-03	1.94E-03	4.50E-01	2.58E-01	7.88E-06	5.22E-05	5.66E-05	2.58E-01	3.13E-01	1.82E-01	4.76E-03	1.94E-03	5.02E-01
209	487677.14	3857028.23	1.50324	0.23221	0.026	0.02619	2.46E-01	1.80E-01	5.03E-03	1.93E-03	4.33E-01	2.42E-01	7.80E-06	5.52E-05	5.64E-05	2.42E-01	2.94E-01	1.80E-01	5.03E-03	1.93E-03	4.81E-01
210	487727.14	3857028.23	1.41553	0.23063	0.0275	0.02609	2.32E-01	1.79E-01	5.32E-03	1.92E-03	4.18E-01	2.28E-01	7.75E-06	5.84E-05	5.62E-05	2.28E-01	2.77E-01	1.79E-01	5.32E-03	1.92E-03	4.63E-01
211	487777.14	3857028.23	1.33856	0.22853	0.0288	0.026	2.19E-01	1.77E-01	5.59E-03	1.91E-03	4.04E-01	2.16E-01	7.68E-06	6.13E-05	5.60E-05	2.16E-01	2.62E-01	1.77E-01	5.59E-03	1.91E-03	4.47E-01
212	487427.14	3857078.23	1.96994	0.25169	0.0204	0.02612	3.22E-01	1.95E-01	3.96E-03	1.92E-03	5.23E-01	3.17E-01	8.45E-06	4.34E-05	5.62E-05	3.18E-01	3.85E-01	1.95E-01	3.96E-03	1.92E-03	5.87E-01
213	487477.14	3857078.23	1.81984	0.24846	0.0215	0.02601	2.98E-01	1.93E-01	4.17E-03	1.91E-03	4.96E-01	2.93E-01	8.35E-06	4.57E-05	5.60E-05	2.93E-01	3.56E-01	1.93E-01	4.17E-03	1.91E-03	5.55E-01
214	487527.14	3857078.23	1.69068	0.24567	0.0228	0.02591	2.77E-01	1.91E-01	4.42E-03	1.91E-03	4.73E-01	2.72E-01	8.25E-06	4.84E-05	5.58E-05	2.73E-01	3.31E-01	1.91E-01	4.42E-03	1.91E-03	5.28E-01
215	487577.14	3857078.23	1.57978	0.24273	0.0241	0.02583	2.58E-01	1.88E-01	4.68E-03	1.90E-03	4.53E-01	2.55E-01	8.15E-06	5.13E-05	5.56E-05	2.55E-01	3.09E-01	1.88E-01	4.68E-03	1.90E-03	5.04E-01
216	487627.14	3857078.23	1.48391	0.23953	0.0255	0.02577	2.43E-01	1.86E-01	4.95E-03	1.90E-03	4.35E-01	2.39E-01	8.05E-06	5.43E-05	5.55E-05	2.39E-01	2.90E-01	1.86E-01	4.95E-03	1.90E-03	4.83E-01
217	487677.14	3857078.23	1.39794	0.23702	0.027	0.02572	2.29E-01	1.84E-01	5.24E-03	1.89E-03	4.20E-01	2.25E-01	7.96E-06	5.75E-05	5.54E-05	2.25E-01	2.74E-01	1.84E-01	5.24E-03	1.89E-03	4.65E-01
218	487727.14	3857078.23	1.32083	0.23493	0.0287	0.02568	2.16E-01	1.82E-01	5.56E-03	1.89E-03	4.06E-01	2.13E-01	7.89E-06	6.09E-05	5.53E-05	2.13E-01	2.58E-01	1.82E-01	5.56E-03	1.89E-03	4.48E-01
219	487777.14	3857078.23	1.25329	0.23225	0.0302	0.02564	2.05E-01	1.80E-01	5.86E-03	1.89E-03	3.93E-01	2.02E-01	7.80E-06	6.42E-05	5.52E-05	2.02E-01	2.45E-01	1.80E-01	5.86E-03	1.89E-03	4.33E-01
220	487427.14	3857128.23	1.72164	0.25609	0.0212	0.02543	2.82E-01	1.99E-01	4.11E-03	1.87E-03	4.86E-01	2.77E-01	8.60E-06	4.51E-05	5.47E-05	2.78E-01	3.37E-01	1.99E-01	4.11E-03	1.87E-03	5.42E-01
221	487477.14	3857128.23	1.60917	0.2527	0.0223	0.02538	2.63E-01	1.96E-01	4.33E-03	1.87E-03	4.65E-01	2.59E-01	8.49E-06	4.74E-05	5.46E-05	2.59E-01	3.15E-01	1.96E-01	4.33E-03	1.87E-03	5.17E-01
222	487527.14	3857128.23	1.51042	0.2494	0.0236	0.02534	2.47E-01	1.93E-01	4.58E-03	1.87E-03	4.47E-01	2.43E-01	8.38E-06	5.02E-05	5.46E-05	2.43E-01	2.96E-01	1.93E-01	4.58E-03	1.87E-03	4.95E-01
223	487577.14	3857128.23	1.42189	0.2467	0.0251	0.02533	2.33E-01	1.91E-01	4.87E-03	1.86E-03	4.31E-01	2.29E-01	8.29E-06	5.33E-05	5.45E-05	2.29E-01	2.78E-01	1.91E-01	4.87E-03	1.86E-03	4.76E-01
224	487627.14	3857128.23	1.34313	0.24413	0.0266	0.02534	2.20E-01	1.89E-01	5.17E-03	1.87E-03	4.16E-01	2.16E-01	8.20E-06	5.66E-05	5.46E-05	2.17E-01	2.63E-01	1.89E-01	5.17E-03	1.87E-03	4.59E-01
225	487677.14	3857128.23	1.27424	0.24099	0.0283	0.02536	2.08E-01	1.87E-01	5.48E-03	1.87E-03	4.03E-01	2.05E-01	8.10E-06	6.01E-05	5.46E-05	2.05E-01	2.49E-01	1.87E-01	5.48E-03	1.87E-03	4.44E-01
226	487727.14	3857128.23	1.20904	0.23939	0.03	0.02536	1.98E-01	1.86E-01	5.82E-03	1.87E-03	3.91E-01	1.95E-01	8.04E-06	6.38E-05	5.46E-05	1.95E-01	2.37E-01	1.86E-01	5.82E-03	1.87E-03	4.30E-01
227	487777.14	3857128.23	1.15272	0.23662	0.0317	0.02535	1.89E-01	1.84E-01	6.15E-03	1.87E-03	3.80E-01	1.86E-01	7.95E-06	6.75E-05	5.46E-05	1.86E-01	2.26E-01	1.84E-01	6.15E-03	1.87E-03	4.17E-01
228	488049.44	3856539.39	1.10353	0.17285	0.0157	0.03019	1.80E-01	1.34E-01	3.05E-03	2.22E-03	3.20E-01	1.78E-01	5.81E-06	3.34E-05	6.50E-05	1.78E-01	2.16E-01	1.34E-01	3.05E-03	2.22E-03	3.55E-01
229	488099.44	3856539.39	1.06987	0.17058	0.0153	0.02981	1.75E-01	1.32E-01	2.97E-03	2.19E-03	3.12E-01	1.72E-01	5.73E-06	3.26E-05	6.42E-05	1.72E-01	2.09E-01	1.32E-01	2.97E-03	2.19E-03	3.47E-01
230	488149.44	3856539.39	1.03781	0.16896	0.0152	0.02945	1.70E-01	1.31E-01	2.95E-03	2.17E-03	3.06E-01	1.67E-01	5.68E-06	3.23E-05	6.34E-05	1.67E-01	2.03E-01	1.31E-01	2.95E-03	2.17E-03	3.39E-01
231	488049.44	3856589.39	1.12467	0.17789	0.0165	0.02956	1.84E-01	1.38E-01	3.19E-03	2.18E-03	3.27E-01	1.81E-01	5.98E-06	3.50E-05	6.36E-05	1.81E-01	2.20E-01	1.38E-01	3.19E-03	2.18E-03	3.63E-01
232	488099.44	3856589.39	1.08873	0.17569	0.016	0.02921	1.78E-01	1.36E-01	3.11E-03	2.15E-03	3.20E-01	1.75E-01	5.90E-06	3.41E-05	6.29E-05	1.76E-01	2.13E-01	1.36E-01	3.11E-03	2.15E-03	3.55E-01
233	488149.44	3856589.39	1.05449	0.17371	0.0159	0.02888	1.72E-01	1.35E-01	3.08E-03	2.13E-03	3.12E-01	1.70E-01	5.84E-06	3.38E-05	6.22E-05	1.70E-01	2.06E-01	1.35E-01	3.08E-03	2.13E-03	3.46E-01
234	488199.44	3856589.39	1.02179	0.17136	0.0161	0.02859	1.67E-01	1.33E-01	3.11E-03	2.10E-03	3.05E-01	1.65E-01	5.76E-06	3.41E-05	6.15E-05	1.65E-01	2.00E-01	1.33E-01	3.11E-03	2.10E-03	3.38E-01
235	488249.44	3856589.39	0.99068	0.17082	0.0164	0.02828	1.62E-01	1.33E-01	3.18E-03	2.08E-03	3.00E-01	1.60E-01	5.74E-06	3.48E-05	6.09E-05	1.60E-01	1.94E-01	1.33E-01	3.18E-03	2.08E-03	3.32E-01
236	488049.44	3856639.39	1.14224	0.18263	0.0173	0.02895	1.87E-01	1.42E-01	3.34E-03	2.13E-03	3.34E-01	1.84E-01	6.13E-06	3.67E-05	6.23E-05	1.84E-01	2.24E-01	1.42E-01	3.34E-03	2.13E-03	3.71E-01
237	488099.44	3856639.39	1.10398	0.18037	0.0168	0.02863	1.81E-01	1.40E-01	3.25E-03	2.11E-03	3.26E-01	1.78E-01	6.06E-06	3.57E-05	6.16E-05	1.78E-01	2.16E-01	1.40E-01	3.25E-03	2.11E-03	3.61E-01
238	488149.44	3856639.39	1.06762	0.17821	0.0167	0.02834	1.75E-01	1.38E-01	3.23E-03	2.09E-03	3.18E-01	1.72E-01	5.99E-06	3.54E-05	6.10E-05	1.72E-01	2.09E-01	1.38E-01	3.23E-03	2.09E-03	3.52E-01
239	488199.44	3856639.39	1.03283	0.17669	0.0168	0.02805	1.69E-01	1.37E-01	3.26E-03	2.07E-03	3.11E-01	1.66E-01	5.94E-06	3.58E-05	6.04E-05	1.67E-01	2.02E-01	1.37E-01	3.26E-03	2.07E-03	3.44E-01
240	488249.44	3856639.39	0.99986	0.17494	0.0172	0.02779	1.64E-01	1.36E-01	3.33E-03	2.05E-03	3.05E-01	1.61E-01	5.88E-06	3.65E-05	5.98E-05	1.61E-01	1.96E-01	1.36E-01	3.33E-03	2.05E-03	3.37E-01

241	488299.44	3856639.39	0.96845	0.17329	0.0176	0.02753	1.58E-01	1.34E-01	3.41E-03	2.03E-03	2.98E-01	1.56E-01	5.82E-06	3.74E-05	5.93E-05	1.56E-01	1.90E-01	1.34E-01	3.41E-03	2.03E-03	3.29E-01
242	488349.44	3856639.39	0.93873	0.17126	0.018	0.02729	1.54E-01	1.33E-01	3.48E-03	2.01E-03	2.92E-01	1.51E-01	5.75E-06	3.82E-05	5.87E-05	1.51E-01	1.84E-01	1.33E-01	3.48E-03	2.01E-03	3.22E-01
243	488399.44	3856639.39	0.90993	0.17035	0.0184	0.02704	1.49E-01	1.32E-01	3.57E-03	1.99E-03	2.87E-01	1.47E-01	5.72E-06	3.91E-05	5.82E-05	1.47E-01	1.78E-01	1.32E-01	3.57E-03	1.99E-03	3.16E-01
244	488099.44	3856689.39	1.11434	0.18534	0.0176	0.02808	1.82E-01	1.44E-01	3.42E-03	2.07E-03	3.32E-01	1.80E-01	6.23E-06	3.75E-05	6.04E-05	1.80E-01	2.18E-01	1.44E-01	3.42E-03	2.07E-03	3.67E-01
245	488149.44	3856689.39	1.07604	0.18297	0.0175	0.02781	1.76E-01	1.42E-01	3.39E-03	2.05E-03	3.23E-01	1.73E-01	6.15E-06	3.72E-05	5.99E-05	1.73E-01	2.11E-01	1.42E-01	3.39E-03	2.05E-03	3.58E-01
246	488199.44	3856689.39	1.03939	0.18128	0.0177	0.02755	1.70E-01	1.41E-01	3.43E-03	2.03E-03	3.16E-01	1.67E-01	6.09E-06	3.76E-05	5.93E-05	1.68E-01	2.03E-01	1.41E-01	3.43E-03	2.03E-03	3.49E-01
247	488249.44	3856689.39	1.00508	0.17896	0.018	0.02731	1.64E-01	1.39E-01	3.49E-03	2.01E-03	3.09E-01	1.62E-01	6.01E-06	3.83E-05	5.88E-05	1.62E-01	1.97E-01	1.39E-01	3.49E-03	2.01E-03	3.41E-01
248	488299.44	3856689.39	0.97187	0.17782	0.0185	0.02706	1.59E-01	1.38E-01	3.58E-03	1.99E-03	3.02E-01	1.57E-01	5.97E-06	3.92E-05	5.83E-05	1.57E-01	1.90E-01	1.38E-01	3.58E-03	1.99E-03	3.34E-01
249	488349.44	3856689.39	0.94094	0.17576	0.0189	0.02684	1.54E-01	1.36E-01	3.66E-03	1.98E-03	2.96E-01	1.52E-01	5.90E-06	4.01E-05	5.78E-05	1.52E-01	1.84E-01	1.36E-01	3.66E-03	1.98E-03	3.26E-01
250	488399.44	3856689.39	0.91198	0.173	0.0193	0.02662	1.49E-01	1.34E-01	3.74E-03	1.96E-03	2.89E-01	1.47E-01	5.81E-06	4.10E-05	5.73E-05	1.47E-01	1.78E-01	1.34E-01	3.74E-03	1.96E-03	3.18E-01
251	488099.44	3856739.39	1.11891	0.19045	0.0186	0.02754	1.83E-01	1.48E-01	3.60E-03	2.03E-03	3.36E-01	1.80E-01	6.40E-06	3.95E-05	5.93E-05	1.80E-01	2.19E-01	1.48E-01	3.60E-03	2.03E-03	3.72E-01
252	488149.44	3856739.39	1.07919	0.18756	0.0184	0.0273	1.77E-01	1.45E-01	3.57E-03	2.01E-03	3.28E-01	1.74E-01	6.30E-06	3.92E-05	5.88E-05	1.74E-01	2.11E-01	1.45E-01	3.57E-03	2.01E-03	3.62E-01
253	488199.44	3856739.39	1.04047	0.18621	0.0186	0.02706	1.70E-01	1.44E-01	3.61E-03	1.99E-03	3.20E-01	1.68E-01	6.26E-06	3.96E-05	5.83E-05	1.68E-01	2.04E-01	1.44E-01	3.61E-03	1.99E-03	3.54E-01
254	488249.44	3856739.39	1.00488	0.18377	0.019	0.02684	1.64E-01	1.43E-01	3.68E-03	1.98E-03	3.13E-01	1.62E-01	6.17E-06	4.04E-05	5.78E-05	1.62E-01	1.97E-01	1.43E-01	3.68E-03	1.98E-03	3.45E-01
255	488299.44	3856739.39	0.97179	0.18064	0.0194	0.02664	1.59E-01	1.40E-01	3.76E-03	1.96E-03	3.05E-01	1.57E-01	6.07E-06	4.12E-05	5.73E-05	1.57E-01	1.90E-01	1.40E-01	3.76E-03	1.96E-03	3.36E-01
256	488349.44	3856739.39	0.93872	0.18003	0.0198	0.0264	1.54E-01	1.40E-01	3.85E-03	1.94E-03	2.99E-01	1.51E-01	6.05E-06	4.22E-05	5.68E-05	1.51E-01	1.84E-01	1.40E-01	3.85E-03	1.94E-03	3.29E-01
257	488399.44	3856739.39	0.90744	0.17925	0.0203	0.02618	1.48E-01	1.39E-01	3.94E-03	1.93E-03	2.93E-01	1.46E-01	6.02E-06	4.32E-05	5.64E-05	1.46E-01	1.78E-01	1.39E-01	3.94E-03	1.93E-03	3.22E-01
258	487999.44	3856789.39	1.21142	0.19796	0.0211	0.02754	1.98E-01	1.54E-01	4.08E-03	2.03E-03	3.58E-01	1.95E-01	6.65E-06	4.48E-05	5.93E-05	1.95E-01	2.37E-01	1.54E-01	4.08E-03	2.03E-03	3.97E-01
259	488049.44	3856789.39	1.16331	0.1959	0.0201	0.02729	1.90E-01	1.52E-01	3.91E-03	2.01E-03	3.48E-01	1.87E-01	6.58E-06	4.28E-05	5.87E-05	1.88E-01	2.28E-01	1.52E-01	3.91E-03	2.01E-03	3.86E-01
260	488099.44	3856789.39	1.1175	0.19463	0.0196	0.02704	1.83E-01	1.51E-01	3.80E-03	1.99E-03	3.40E-01	1.80E-01	6.54E-06	4.17E-05	5.82E-05	1.80E-01	2.19E-01	1.51E-01	3.80E-03	1.99E-03	3.75E-01
261	488149.44	3856789.39	1.07585	0.19214	0.0195	0.02682	1.76E-01	1.49E-01	3.77E-03	1.97E-03	3.31E-01	1.73E-01	6.45E-06	4.14E-05	5.77E-05	1.73E-01	2.11E-01	1.49E-01	3.77E-03	1.97E-03	3.65E-01
262	488199.44	3856789.39	1.03611	0.19033	0.0197	0.02661	1.69E-01	1.48E-01	3.81E-03	1.96E-03	3.23E-01	1.67E-01	6.39E-06	4.18E-05	5.73E-05	1.67E-01	2.03E-01	1.48E-01	3.81E-03	1.96E-03	3.56E-01
263	488249.44	3856789.39	0.99931	0.18804	0.02	0.0264	1.63E-01	1.46E-01	3.88E-03	1.94E-03	3.15E-01	1.61E-01	6.32E-06	4.26E-05	5.68E-05	1.61E-01	1.96E-01	1.46E-01	3.88E-03	1.94E-03	3.47E-01
264	488299.44	3856789.39	0.96521	0.18522	0.0205	0.02621	1.58E-01	1.44E-01	3.97E-03	1.93E-03	3.07E-01	1.56E-01	6.22E-06	4.35E-05	5.64E-05	1.56E-01	1.89E-01	1.44E-01	3.97E-03	1.93E-03	3.38E-01
265	488349.44	3856789.39	0.93115	0.18458	0.0209	0.02599	1.52E-01	1.43E-01	4.06E-03	1.91E-03	3.01E-01	1.50E-01	6.20E-06	4.45E-05	5.60E-05	1.50E-01	1.82E-01	1.43E-01	4.06E-03	1.91E-03	3.31E-01
266	488399.44	3856789.39	0.89959	0.1833	0.0214	0.02578	1.47E-01	1.42E-01	4.15E-03	1.90E-03	2.95E-01	1.45E-01	6.16E-06	4.55E-05	5.55E-05	1.45E-01	1.76E-01	1.42E-01	4.15E-03	1.90E-03	3.24E-01
267	487949.44	3856839.39	1.25899	0.20424	0.0234	0.02725	2.06E-01	1.58E-01	4.53E-03	2.01E-03	3.71E-01	2.03E-01	6.86E-06	4.96E-05	5.87E-05	2.03E-01	2.46E-01	1.58E-01	4.53E-03	2.01E-03	4.11E-01
268	487999.44	3856839.39	1.2053	0.20224	0.0223	0.02701	1.97E-01	1.57E-01	4.32E-03	1.99E-03	3.60E-01	1.94E-01	6.79E-06	4.74E-05	5.81E-05	1.94E-01	2.36E-01	1.57E-01	4.32E-03	1.99E-03	3.99E-01
269	488049.44	3856839.39	1.15552	0.20011	0.0213	0.02679	1.89E-01	1.55E-01	4.13E-03	1.97E-03	3.50E-01	1.86E-01	6.72E-06	4.53E-05	5.77E-05	1.86E-01	2.26E-01	1.55E-01	4.13E-03	1.97E-03	3.87E-01
270	488099.44	3856839.39	1.10873	0.19838	0.0207	0.02658	1.81E-01	1.54E-01	4.02E-03	1.96E-03	3.41E-01	1.79E-01	6.66E-06	4.41E-05	5.72E-05	1.79E-01	2.17E-01	1.54E-01	4.02E-03	1.96E-03	3.77E-01
271	488149.44	3856839.39	1.06515	0.19662	0.0206	0.02637	1.74E-01	1.53E-01	3.99E-03	1.94E-03	3.33E-01	1.72E-01	6.60E-06	4.38E-05	5.68E-05	1.72E-01	2.08E-01	1.53E-01	3.99E-03	1.94E-03	3.67E-01
272	488199.44	3856839.39	1.02459	0.19475	0.0208	0.02618	1.68E-01	1.51E-01	4.03E-03	1.93E-03	3.25E-01	1.65E-01	6.54E-06	4.42E-05	5.64E-05	1.65E-01	2.00E-01	1.51E-01	4.03E-03	1.93E-03	3.58E-01
273	487949.44	3856889.39	1.24389	0.20803	0.0247	0.02674	2.03E-01	1.61E-01	4.80E-03	1.97E-03	3.72E-01	2.00E-01	6.99E-06	5.26E-05	5.76E-05	2.01E-01	2.43E-01	1.61E-01	4.80E-03	1.97E-03	4.12E-01
274	487999.44	3856889.39	1.18785	0.20687	0.0236	0.02653	1.94E-01	1.60E-01	4.58E-03	1.95E-03	3.61E-01	1.91E-01	6.95E-06	5.03E-05	5.71E-05	1.92E-01	2.32E-01	1.60E-01	4.58E-03	1.95E-03	3.99E-01
275	488049.44	3856889.39	1.13838	0.20398	0.0226	0.02634	1.86E-01	1.58E-01	4.39E-03	1.94E-03	3.51E-01	1.83E-01	6.85E-06	4.81E-05	5.67E-05	1.84E-01	2.23E-01	1.58E-01	4.39E-03	1.94E-03	3.87E-01
276	488099.44	3856889.39	1.09049	0.20264	0.022	0.02614	1.78E-01	1.57E-01	4.27E-03	1.92E-03	3.42E-01	1.76E-01	6.81E-06	4.68E-05	5.63E-05	1.76E-01	2.13E-01	1.57E-01	4.27E-03	1.92E-03	3.77E-01
277	488635.86	3857895.05	0.22931	0.3023	1.711	0.03987	3.75E-02	2.34E-01	3.32E-01	2.94E-03	6.07E-01	3.69E-02	1.02E-05	3.64E-03	8.58E-05	4.07E-02	4.49E-02	2.35E-01	3.32E-01	2.94E-03	6.14E-01
278	489137.64	3857804.15	0.25592	0.25628	0.6674	0.03473	4.19E-02	1.99E-01	1.29E-01	2.56E-03	3.73E-01	4.12E-02	8.61E-06	1.42E-03	7.48E-05	4.27E-02	5.01E-02	1.99E-01	1.29E-01	2.56E-03	3.81E-01
279	488617.32	3857859.41	0.24136	0.296	1.6655	0.0384	3.95E-02	2.30E-01	3.23E-01	2.83E-03	5.95E-01	3.89E-02	9.94E-06	3.54E-03	8.27E-05	4.25E-02	4.72E-02	2.30E-01	3.23E-01	2.83E-03	6.03E-01
280	488667.32	3857859.41	0.24246	0.29235	1.5132	0.03822	3.97E-02	2.27E-01	2.93E-01	2.81E-03	5.63E-01	3.91E-02	9.82E-06	3.22E-03	8.23E-05	4.24E-02	4.74E-02	2.27E-01	2.93E-01	2.81E-03	5.70E-01
281	488717.32	3857859.41	0.24327	0.28887	1.3736	0.03805	3.98E-02	2.24E-01	2.66E-01	2.80E-03	5.33E-01	3.92E-02	9.70E-06	2.92E-03	8.19E-05	4.22E-02	4.76E-02	2.24E-01	2.66E-01	2.80E-03	5.41E-01
282	488767.32	3857859.41	0.24329	0.2865	1.2512	0.0379	3.98E-02	2.22E-01	2.43E-01	2.79E-03	5.07E-01	3.92E-02	9.62E-06	2.66E-03	8.16E-05	4.20E-02	4.76E-02	2.22E-01	2.43E-01	2.79E-03	5.15E-01
283	488617.32	3857909.41	0.22395	0.30668	1.8096	0.0406	3.66E-02	2.38E-01	3.51E-01	2.99E-03	6.28E-01	3.61E-02	1.03E-05	3.85E-03	8.74E-05	4.00E-02	4.38E-02	2.38E-01	3.51E-01	2.99E-03	6.36E-01
284	488667.32	3857909.41	0.22489	0.30412	1.6076	0.04037	3.68E-02	2.36E-01	3.12E-01	2.97E-03	5.87E-01	3.62E-02	1.02E-05	3.42E-03	8.69E-05	3.98E-02	4.40E-02	2.36E-01	3.12E-01	2.97E-03	5.95E-01
285	488717.32	3857909.41	0.22662	0.29934	1.4317	0.04008	3.71E-02	2.32E-01	2.78E-01	2.95E-03	5.50E-01	3.65E-02	1.01E-05	3.04E-03	8.63E-05	3.97E-02	4.43E-02	2.32E-01	2.78E-01	2.95E-03	5.57E-01
286	488767.32	3857909.41	0.22721	0.29658	1.2849	0.03983	3.72E-02	2.30E-01	2.49E-01	2.93E-03	5.19E-01	3.66E-02	9.96E-06	2.73E-03	8.57E-05	3.94E-02	4.45E-02	2.30E-01	2.49E-01	2.93E-03	5.27E-01
287	488417.32	3857959.41	0.19933	0.33325	3.1517	0.04413	3.26E-02	2.59E-01	6.11E-01	3.25E-03	9.05E-01	3.21E-02	1.12E-05	6.70E-03	9.50E-05	3.89E-02	3.90E-02	2.59E-01	6.11E-01	3.25E-03	9.12E-01
288	488467.32	3857959.41	0.20161	0.32967	2.7325	0.04391	3.30E-02	2.56E-01	5.30E-01	3.23E-03	8.22E-01	3.25E-02	1.11E-05	5.81E-03	9.45E-05	3.84E-02	3.95E-02	2.56E-01	5.30E-01	3.23E-03	8.28E-01
289	488517.32	3857959.41	0.20374	0.32617	2.3557	0.04364	3.33E-02	2.53E-01	4.57E-01	3.21E-03	7.46E-01	3.28E-02	1.10E-05	5.01E-03	9.39E-05	3.79E-02	3.99E-02	2.53E-01	4.57E-01	3.21E-03	7.53E-01
290	488567.32	3857959.41	0.20568	0.32268	2.034	0.04331	3.36E-02	2.50E-01	3.94E-01	3.19E-03	6.82E-01	3.31E-02	1.08E-05	4.32E-03	9.32E-05	3.76E-02	4.02E-02	2.50E-01	3.94E-01	3.19E-03	6.88E-01
291	488617.32	3857959.41	0.20757	0.31864	1.7701	0.04295	3.40E-02	2.47E-01	3.43E-01	3.16E-03	6.28E-01	3.34E-02	1.07E-05	3.76E-03	9.25E-05	3.73E-02	4.06E-02	2.47E-01	3.43E-01	3.16E-03	6.34E-01
292	488667.32	3857959.41	0.20932	0.31462	1.5534	0.04257	3.42E-02	2.44E-01	3.01E-01	3.13E-03	5.83E-01	3.37E-02	1.06E-05	3.30E-03	9.16E-05	3.71E-02	4.10E-02	2.44E-01	3.01E-01	3.13E-03	5.89E-01
293	488717.32	3857959.41	0.21069	0.31121	1.374	0.04221	3.45E-02	2.41E-01	2.66E-01	3.11E-03	5.45E-01	3.39E-02	1.05E-05	2.92E-03	9.09E-05	3.70E-02	4.12E-02	2.41E-01	2.66E-01	3.11E-03	5.52E-01
294	488767.32	3857959.41	0.21197	0.30752	1.2251	0.04182	3.47E-02	2.39E-01	2.38E-01	3.08E-03	5.14E-01	3.42E-02	1.03E-05	2.60E-03	9.00E-05	3.69E-02	4.15E-02	2.39E-01	2.38E-01	3.08E-03	5.21E-01
295	488417.32	3858009.41	0.18466	0.34691	2.7538	0.04716	3.02E-02	2.69E-01	5.34E-01	3.47E-03	8.37E-01	2.98E-02	1.17E-05	5.86E-03	1.02E-04	3.57E-02	3.61E-02	2.69E-01	5.34E-01	3.47E-03	8.43E-01
296	488467.32	3858009.41	0.18656	0.34328	2.371	0.04679	3.05E-02	2.66E-01	4.60E-01	3.44E-03	7.60E-01	3.01E-02	1.15E-05	5.04E-03	1.01E-04	3.52E-02	3.65E-02	2.66E-01	4.60E-01	3.44E-03	7.66E-01
297	488517.32	3858009.41	0.18857	0.33945	2.0418	0.04637	3.08E-02	2.63E-01	3.96E-01	3.41E-03	6.93E-01	3.04E-02	1.14E-05	4.34E-03	9.98E-05	3.48E-02	3.69E-02	2.63E-01	3.96E-01	3.41E-03	7.00E-01
298	488567.32	3858009.41	0.19055	0.33578	1.7642	0.0459	3.12E-02	2.60E-01	3.42E-01	3.38E-03	6.37E-01	3.07E-02	1.13E-05	3.75E-03	9.88E-05	3.46E-02	3.73E-02	2.60E-01	3.42E-01	3.38E-03	6.43E-01
299	488617.32	3858009.41	0.19269	0.33107	1.5412	0.04538	3.15E-02	2.57E-01	2.99E-01	3.34E-03	5.91E-01	3.10E-02	1.11E-05	3.28E-03	9.77E-05	3.44E-02	3.77E-02	2.57E-01	2.99E-01	3.34E-03	5.97E-01
300	488667.32	3858009.41	0.19459	0.32659	1.3583	0.04486	3.18E-02	2.53E-01	2.63E-01	3.30E-03	5.52E-01	3.14E-02	1.10E-05	2.89E-03	9.66E-05	3.44E-02	3.81E-02	2.53E-01	2.63E-01	3.30E-03	5.58E-01
301	488717.32	3858009.41	0.19626	0.32266	1.2068	0.04434	3.21E-02	2.50E-01	2.34E-01	3.26E-03	5.20E-01	3.16E-02	1.08E-05	2.57E-03	9.55E-05	3.43E-02	3.84E-02	2.50E-01	2.34E-01	3.26E-03	5.26E-01

302	488767.32	3858009.41	0.19777	0.31887	1.0805	0.04382	3.23E-02	2.47E-01	2.10E-01	3.23E-03	4.92E-01	3.19E-02	1.07E-05	2.30E-03	9.43E-05	3.43E-02	3.87E-02	2.47E-01	2.10E-01	3.23E-03	4.99E-01
303	488417.32	3858059.41	0.17195	0.36213	1.91	0.05041	2.81E-02	2.81E-01	3.70E-01	3.71E-03	6.83E-01	2.77E-02	1.22E-05	4.06E-03	1.09E-04	3.19E-02	3.36E-02	2.81E-01	3.70E-01	3.71E-03	6.89E-01
304	488467.32	3858059.41	0.1735	0.35809	1.7104	0.04982	2.84E-02	2.78E-01	3.32E-01	3.67E-03	6.41E-01	2.80E-02	1.20E-05	3.64E-03	1.07E-04	3.17E-02	3.40E-02	2.78E-01	3.32E-01	3.67E-03	6.47E-01
305	488517.32	3858059.41	0.17519	0.35372	1.5189	0.0492	2.87E-02	2.74E-01	2.95E-01	3.62E-03	6.01E-01	2.82E-02	1.19E-05	3.23E-03	1.06E-04	3.16E-02	3.43E-02	2.74E-01	2.95E-01	3.62E-03	6.07E-01
306	488567.32	3858059.41	0.17698	0.34947	1.3475	0.04854	2.89E-02	2.71E-01	2.61E-01	3.57E-03	5.65E-01	2.85E-02	1.17E-05	2.87E-03	1.04E-04	3.15E-02	3.46E-02	2.71E-01	2.61E-01	3.57E-03	5.71E-01
307	488617.32	3858059.41	0.17885	0.34508	1.2017	0.04786	2.93E-02	2.68E-01	2.33E-01	3.52E-03	5.33E-01	2.88E-02	1.16E-05	2.56E-03	1.03E-04	3.15E-02	3.50E-02	2.68E-01	2.33E-01	3.52E-03	5.39E-01
308	488667.32	3858059.41	0.18087	0.34006	1.0814	0.04716	2.96E-02	2.64E-01	2.10E-01	3.47E-03	5.07E-01	2.91E-02	1.14E-05	2.30E-03	1.02E-04	3.16E-02	3.54E-02	2.64E-01	2.10E-01	3.47E-03	5.12E-01
309	488417.32	3858109.41	0.16112	0.37587	1.1725	0.05361	2.64E-02	2.92E-01	2.27E-01	3.95E-03	5.49E-01	2.60E-02	1.26E-05	2.49E-03	1.15E-04	2.86E-02	3.15E-02	2.92E-01	2.27E-01	3.95E-03	5.54E-01
310	488467.32	3858109.41	0.16243	0.37247	1.119	0.05287	2.66E-02	2.89E-01	2.17E-01	3.89E-03	5.36E-01	2.62E-02	1.25E-05	2.38E-03	1.14E-04	2.87E-02	3.18E-02	2.89E-01	2.17E-01	3.89E-03	5.42E-01
311	488517.32	3858109.41	0.16364	0.36855	1.0397	0.05206	2.68E-02	2.86E-01	2.02E-01	3.83E-03	5.18E-01	2.64E-02	1.24E-05	2.21E-03	1.12E-04	2.87E-02	3.20E-02	2.86E-01	2.02E-01	3.83E-03	5.23E-01
312	488567.32	3858109.41	0.16507	0.36382	0.9566	0.05119	2.70E-02	2.82E-01	1.85E-01	3.77E-03	4.98E-01	2.66E-02	1.22E-05	2.03E-03	1.10E-04	2.88E-02	3.23E-02	2.82E-01	1.85E-01	3.77E-03	5.04E-01
313	488617.32	3858109.41	0.16662	0.35935	0.8782	0.05032	2.73E-02	2.79E-01	1.70E-01	3.70E-03	4.80E-01	2.68E-02	1.21E-05	1.87E-03	1.08E-04	2.88E-02	3.26E-02	2.79E-01	1.70E-01	3.70E-03	4.85E-01
314	488667.32	3858109.41	0.16855	0.3538	0.812	0.04943	2.76E-02	2.74E-01	1.57E-01	3.64E-03	4.63E-01	2.72E-02	1.19E-05	1.73E-03	1.06E-04	2.90E-02	3.30E-02	2.74E-01	1.57E-01	3.64E-03	4.69E-01
315	488769.93	3858449.27	0.11307	0.44995	0.1153	0.06259	1.85E-02	3.49E-01	2.24E-02	4.61E-03	3.94E-01	1.82E-02	1.51E-05	2.45E-04	1.35E-04	1.86E-02	2.21E-02	3.49E-01	2.24E-02	4.61E-03	3.98E-01
316	488819.93	3858449.27	0.11554	0.44274	0.1214	0.06106	1.89E-02	3.43E-01	2.35E-02	4.50E-03	3.90E-01	1.86E-02	1.49E-05	2.58E-04	1.31E-04	1.90E-02	2.26E-02	3.43E-01	2.35E-02	4.50E-03	3.94E-01
317	488819.93	3858499.27	0.10828	0.46567	0.0937	0.06295	1.77E-02	3.61E-01	1.82E-02	4.63E-03	4.02E-01	1.74E-02	1.56E-05	1.99E-04	1.36E-04	1.78E-02	2.12E-02	3.61E-01	1.82E-02	4.63E-03	4.05E-01
318	488869.93	3858499.27	0.11082	0.45869	0.0989	0.06139	1.81E-02	3.56E-01	1.92E-02	4.52E-03	3.98E-01	1.79E-02	1.54E-05	2.10E-04	1.32E-04	1.82E-02	2.17E-02	3.56E-01	1.92E-02	4.52E-03	4.01E-01
319	488869.93	3858549.27	0.10387	0.48602	0.078	0.063	1.70E-02	3.77E-01	1.51E-02	4.64E-03	4.14E-01	1.67E-02	1.63E-05	1.66E-04	1.36E-04	1.71E-02	2.03E-02	3.77E-01	1.51E-02	4.64E-03	4.17E-01
320	489438.17	3859571.48	0.06144	0.72594	0.0139	0.13356	1.00E-02	5.63E-01	2.69E-03	9.83E-03	5.86E-01	9.90E-03	2.44E-05	2.95E-05	2.88E-04	1.02E-02	1.20E-02	5.63E-01	2.69E-03	9.83E-03	5.88E-01
321	489488.17	3859571.48	0.06175	0.70281	0.0141	0.12681	1.01E-02	5.45E-01	2.73E-03	9.34E-03	5.67E-01	9.95E-03	2.36E-05	3.00E-05	2.73E-04	1.03E-02	1.21E-02	5.45E-01	2.73E-03	9.34E-03	5.69E-01
322	489538.17	3859571.48	0.06196	0.68141	0.0144	0.12063	1.01E-02	5.29E-01	2.79E-03	8.88E-03	5.50E-01	9.98E-03	2.29E-05	3.06E-05	2.60E-04	1.03E-02	1.21E-02	5.29E-01	2.79E-03	8.88E-03	5.52E-01
323	489588.17	3859571.48	0.06199	0.66278	0.0147	0.11507	1.01E-02	5.14E-01	2.84E-03	8.47E-03	5.36E-01	9.99E-03	2.23E-05	3.11E-05	2.48E-04	1.03E-02	1.21E-02	5.14E-01	2.84E-03	8.47E-03	5.38E-01
324	489438.17	3859621.48	0.05988	0.71062	0.0134	0.13521	9.79E-03	5.51E-01	2.59E-03	9.95E-03	5.74E-01	9.65E-03	2.39E-05	2.84E-05	2.91E-04	9.99E-03	1.17E-02	5.51E-01	2.59E-03	9.95E-03	5.76E-01
325	489488.17	3859621.48	0.06021	0.69015	0.0135	0.12808	9.85E-03	5.35E-01	2.62E-03	9.43E-03	5.57E-01	9.70E-03	2.32E-05	2.88E-05	2.76E-04	1.00E-02	1.18E-02	5.35E-01	2.62E-03	9.43E-03	5.59E-01
326	489538.17	3859621.48	0.06049	0.67049	0.0137	0.12156	9.89E-03	5.20E-01	2.66E-03	8.95E-03	5.42E-01	9.75E-03	2.25E-05	2.92E-05	2.62E-04	1.01E-02	1.18E-02	5.20E-01	2.66E-03	8.95E-03	5.44E-01
327	489588.17	3859621.48	0.06072	0.6508	0.014	0.11551	9.93E-03	5.05E-01	2.72E-03	8.50E-03	5.26E-01	9.78E-03	2.19E-05	2.98E-05	2.49E-04	1.01E-02	1.19E-02	5.05E-01	2.72E-03	8.50E-03	5.28E-01
328	489238.17	3859671.48	0.05789	0.7853	0.0121	0.17364	9.47E-03	6.09E-01	2.35E-03	1.28E-02	6.34E-01	9.33E-03	2.64E-05	2.57E-05	3.74E-04	9.75E-03	1.13E-02	6.09E-01	2.35E-03	1.28E-02	6.36E-01
329	489288.17	3859671.48	0.05811	0.76218	0.0124	0.16243	9.50E-03	5.91E-01	2.40E-03	1.20E-02	6.15E-01	9.36E-03	2.56E-05	2.63E-05	3.50E-04	9.76E-03	1.14E-02	5.91E-01	2.40E-03	1.20E-02	6.17E-01
330	489338.17	3859671.48	0.05782	0.73917	0.0126	0.15228	9.46E-03	5.73E-01	2.44E-03	1.12E-02	5.96E-01	9.32E-03	2.48E-05	2.67E-05	3.28E-04	9.70E-03	1.13E-02	5.73E-01	2.44E-03	1.12E-02	5.98E-01
331	489388.17	3859671.48	0.05796	0.71614	0.0128	0.14303	9.48E-03	5.56E-01	2.48E-03	1.05E-02	5.78E-01	9.34E-03	2.41E-05	2.72E-05	3.08E-04	9.70E-03	1.13E-02	5.56E-01	2.48E-03	1.05E-02	5.80E-01
332	489438.17	3859671.48	0.05833	0.69699	0.0129	0.13492	9.54E-03	5.41E-01	2.51E-03	9.93E-03	5.63E-01	9.40E-03	2.34E-05	2.75E-05	2.90E-04	9.74E-03	1.14E-02	5.41E-01	2.51E-03	9.93E-03	5.65E-01
333	489488.17	3859671.48	0.05877	0.67639	0.0131	0.1274	9.61E-03	5.25E-01	2.54E-03	9.38E-03	5.46E-01	9.47E-03	2.27E-05	2.79E-05	2.74E-04	9.79E-03	1.15E-02	5.25E-01	2.54E-03	9.38E-03	5.48E-01
334	489538.17	3859671.48	0.05911	0.65795	0.0133	0.12066	9.67E-03	5.10E-01	2.58E-03	8.88E-03	5.31E-01	9.52E-03	2.21E-05	2.82E-05	2.60E-04	9.83E-03	1.16E-02	5.10E-01	2.58E-03	8.88E-03	5.33E-01
335	489588.17	3859671.48	0.0594	0.63995	0.0135	0.11449	9.72E-03	4.96E-01	2.62E-03	8.43E-03	5.17E-01	9.57E-03	2.15E-05	2.87E-05	2.46E-04	9.87E-03	1.16E-02	4.96E-01	2.62E-03	8.43E-03	5.19E-01
336	489238.17	3859721.48	0.0564	0.77021	0.0117	0.17115	9.22E-03	5.97E-01	2.26E-03	1.26E-02	6.22E-01	9.09E-03	2.59E-05	2.48E-05	3.68E-04	9.51E-03	1.10E-02	5.97E-01	2.26E-03	1.26E-02	6.23E-01
337	489288.17	3859721.48	0.05681	0.74345	0.012	0.15974	9.29E-03	5.77E-01	2.32E-03	1.18E-02	6.00E-01	9.15E-03	2.50E-05	2.55E-05	3.44E-04	9.55E-03	1.11E-02	5.77E-01	2.32E-03	1.18E-02	6.02E-01
338	489338.17	3859721.48	0.05698	0.72316	0.0122	0.1497	9.32E-03	5.61E-01	2.37E-03	1.10E-02	5.84E-01	9.18E-03	2.43E-05	2.60E-05	3.22E-04	9.55E-03	1.11E-02	5.61E-01	2.37E-03	1.10E-02	5.86E-01
339	489388.17	3859721.48	0.05689	0.70391	0.0124	0.14072	9.30E-03	5.46E-01	2.41E-03	1.04E-02	5.68E-01	9.17E-03	2.36E-05	2.64E-05	3.03E-04	9.52E-03	1.11E-02	5.46E-01	2.41E-03	1.04E-02	5.70E-01
340	489438.17	3859721.48	0.05696	0.68607	0.0126	0.13267	9.32E-03	5.32E-01	2.43E-03	9.77E-03	5.54E-01	9.18E-03	2.30E-05	2.67E-05	2.86E-04	9.51E-03	1.11E-02	5.32E-01	2.43E-03	9.77E-03	5.56E-01
341	489488.17	3859721.48	0.05734	0.66634	0.0127	0.12517	9.38E-03	5.17E-01	2.47E-03	9.22E-03	5.38E-01	9.24E-03	2.24E-05	2.70E-05	2.69E-04	9.56E-03	1.12E-02	5.17E-01	2.47E-03	9.22E-03	5.40E-01
342	489538.17	3859721.48	0.0577	0.64847	0.0129	0.11845	9.44E-03	5.03E-01	2.50E-03	8.72E-03	5.24E-01	9.30E-03	2.18E-05	2.74E-05	2.55E-04	9.60E-03	1.13E-02	5.03E-01	2.50E-03	8.72E-03	5.26E-01
343	489588.17	3859721.48	0.05804	0.63149	0.0131	0.11233	9.49E-03	4.90E-01	2.53E-03	8.27E-03	5.10E-01	9.35E-03	2.12E-05	2.78E-05	2.42E-04	9.64E-03	1.14E-02	4.90E-01	2.53E-03	8.27E-03	5.12E-01
344	489238.17	3859771.48	0.05501	0.75977	0.0112	0.166	9.00E-03	5.89E-01	2.18E-03	1.22E-02	6.13E-01	8.86E-03	2.55E-05	2.39E-05	3.57E-04	9.27E-03	1.08E-02	5.89E-01	2.18E-03	1.22E-02	6.15E-01
345	489288.17	3859771.48	0.0554	0.73443	0.0116	0.15513	9.06E-03	5.70E-01	2.24E-03	1.14E-02	5.92E-01	8.93E-03	2.47E-05	2.46E-05	3.34E-04	9.31E-03	1.08E-02	5.70E-01	2.24E-03	1.14E-02	5.94E-01
346	489338.17	3859771.48	0.05564	0.71616	0.0118	0.14564	9.10E-03	5.56E-01	2.29E-03	1.07E-02	5.78E-01	8.97E-03	2.41E-05	2.52E-05	3.14E-04	9.33E-03	1.09E-02	5.56E-01	2.29E-03	1.07E-02	5.79E-01
347	489388.17	3859771.48	0.05579	0.69728	0.0121	0.13699	9.13E-03	5.41E-01	2.34E-03	1.01E-02	5.62E-01	8.99E-03	2.34E-05	2.56E-05	2.95E-04	9.33E-03	1.09E-02	5.41E-01	2.34E-03	1.01E-02	5.64E-01
348	489438.17	3859771.48	0.0558	0.68038	0.0122	0.12925	9.13E-03	5.28E-01	2.37E-03	9.52E-03	5.49E-01	8.99E-03	2.29E-05	2.59E-05	2.78E-04	9.32E-03	1.09E-02	5.28E-01	2.37E-03	9.52E-03	5.51E-01
349	489488.17	3859771.48	0.05604	0.66012	0.0124	0.12194	9.17E-03	5.12E-01	2.40E-03	8.98E-03	5.33E-01	9.03E-03	2.22E-05	2.63E-05	2.63E-04	9.34E-03	1.10E-02	5.12E-01	2.40E-03	8.98E-03	5.34E-01
350	489538.17	3859771.48	0.05637	0.64155	0.0126	0.11537	9.22E-03	4.98E-01	2.44E-03	8.49E-03	5.18E-01	9.08E-03	2.16E-05	2.67E-05	2.48E-04	9.38E-03	1.10E-02	4.98E-01	2.44E-03	8.49E-03	5.20E-01
351	489588.17	3859771.48	0.05665	0.62619	0.0127	0.1095	9.27E-03	4.86E-01	2.46E-03	8.06E-03	5.06E-01	9.13E-03	2.10E-05	2.70E-05	2.36E-04	9.41E-03	1.11E-02	4.86E-01	2.46E-03	8.06E-03	5.07E-01
352	489238.17	3859821.48	0.05364	0.75955	0.0108	0.16038	8.77E-03	5.89E-01	2.09E-03	1.18E-02	6.12E-01	8.64E-03	2.55E-05	2.29E-05	3.45E-04	9.04E-03	1.05E-02	5.89E-01	2.09E-03	1.18E-02	6.14E-01
353	489288.17	3859821.48	0.05402	0.73417	0.0112	0.15016	8.84E-03	5.69E-01	2.16E-03	1.11E-02	5.92E-01	8.70E-03	2.47E-05	2.37E-05	3.23E-04	9.08E-03	1.06E-02	5.70E-01	2.16E-03	1.11E-02	5.93E-01
354	489338.17	3859821.48	0.05427	0.71519	0.0115	0.14116	8.88E-03	5.55E-01	2.22E-03	1.04E-02	5.76E-01	8.74E-03	2.40E-05	2.43E-05	3.04E-04	9.10E-03	1.06E-02	5.55E-01	2.22E-03	1.04E-02	5.78E-01
355	489388.17	3859821.48	0.05451	0.69638	0.0117	0.13295	8.92E-03	5.40E-01	2.27E-03	9.79E-03	5.61E-01	8.78E-03	2.34E-05	2.49E-05	2.86E-04	9.12E-03	1.07E-02	5.40E-01	2.27E-03	9.79E-03	5.63E-01
356	489438.17	3859821.48	0.05475	0.67627	0.0119	0.12534	8.95E-03	5.25E-01	2.31E-03	9.23E-03	5.45E-01	8.82E-03	2.27E-05	2.54E-05	2.70E-04	9.14E-03	1.07E-02	5.25E-01	2.31E-03	9.23E-03	5.47E-01
357	489488.17	3859821.48	0.05492	0.65704	0.0121	0.11843	8.98E-03	5.10E-01	2.35E-03	8.72E-03	5.30E-01	8.85E-03	2.21E-05	2.57E-05	2.55E-04	9.15E-03	1.07E-02	5.10E-01	2.35E-03	8.72E-03	5.32E-01
358	489538.17	3859821.48	0.05514	0.6383	0.0123	0.11212	9.02E-03	4.95E-01	2.38E-03	8.25E-03	5.15E-01	8.88E-03	2.14E-05	2.61E-05	2.41E-04	9.17E-03	1.08E-02	4.95E-01	2.38E-03	8.25E-03	5.17E-01
359	489588.17	3859821.48	0.05536	0.62277	0.0124	0.10646	9.05E-03	4.83E-01	2.40E-03	7.84E-03	5.02E-01	8.92E-03	2.09E-05	2.63E-05	2.29E-04	9.20E-03	1.08E-02	4.83E-01	2.40E-03	7.84E-03	5.04E-01
360	489238.17	3859871.48	0.05237	0.7686	0.0104	0.15501	8.57E-03	5.96E-01	2.01E-03	1.14E-02	6.18E-01	8.44E-03	2.58E-05	2.20E-05	3.34E-04	8.82E-03	1.02E-02	5.96E-01	2.01E-03	1.14E-02	6.20E-01
361	489288.17	3859871.48	0.05267	0.74634	0.0107	0.14553	8.61E-03	5.79E-01	2.08E-03	1.07E-02	6.00E-01	8.49E-03	2.51E-05	2.28E-05	3.13E-04	8.85E-03	1.03E-02	5.79E-01	2.08E-03	1.07E-02	6.02E-01
362	489338.17	3859871.48	0.05295	0.72128	0.0111	0.13689	8.66E-03	5.59E-01	2.15E-03	1.01E-02	5.80E-01	8.53E-03	2.42E-05	2.35E-05	2.95E-04	8.87E-03	1.04E-02	5.60E-01	2.15E-03	1.01E-02	5.82E-01

363	489388.17	3859871.48	0.05326	0.6994	0.0114	0.1289	8.71E-03	5.43E-01	2.21E-03	9.49E-03	5.63E-01	8.58E-03	2.35E-05	2.42E-05	2.77E-04	8.91E-03	1.04E-02	5.43E-01	2.21E-03	9.49E-03	5.65E-01
364	489438.17	3859871.48	0.05363	0.6759	0.0117	0.12148	8.77E-03	5.24E-01	2.26E-03	8.94E-03	5.44E-01	8.64E-03	2.27E-05	2.48E-05	2.62E-04	8.95E-03	1.05E-02	5.24E-01	2.26E-03	8.94E-03	5.46E-01
365	489488.17	3859871.48	0.05396	0.65158	0.012	0.11469	8.83E-03	5.05E-01	2.32E-03	8.44E-03	5.25E-01	8.69E-03	2.19E-05	2.54E-05	2.47E-04	8.99E-03	1.06E-02	5.05E-01	2.32E-03	8.44E-03	5.27E-01
366	489538.17	3859871.48	0.05404	0.63672	0.0121	0.10879	8.84E-03	4.94E-01	2.34E-03	8.01E-03	5.13E-01	8.71E-03	2.14E-05	2.56E-05	2.34E-04	8.99E-03	1.06E-02	4.94E-01	2.34E-03	8.01E-03	5.15E-01
367	489588.17	3859871.48	0.05423	0.62001	0.0122	0.10329	8.87E-03	4.81E-01	2.36E-03	7.60E-03	5.00E-01	8.74E-03	2.08E-05	2.59E-05	2.22E-04	9.01E-03	1.06E-02	4.81E-01	2.36E-03	7.60E-03	5.02E-01
368	489238.17	3859921.48	0.05121	0.78541	0.01	0.14881	8.38E-03	6.09E-01	1.93E-03	1.10E-02	6.31E-01	8.25E-03	2.64E-05	2.12E-05	3.20E-04	8.62E-03	1.00E-02	6.09E-01	1.93E-03	1.10E-02	6.32E-01
369	489288.17	3859921.48	0.05156	0.75362	0.0104	0.13987	8.43E-03	5.85E-01	2.01E-03	1.03E-02	6.05E-01	8.31E-03	2.53E-05	2.20E-05	3.01E-04	8.66E-03	1.01E-02	5.85E-01	2.01E-03	1.03E-02	6.07E-01
370	489338.17	3859921.48	0.05181	0.72924	0.0107	0.13174	8.47E-03	5.66E-01	2.08E-03	9.70E-03	5.86E-01	8.35E-03	2.45E-05	2.28E-05	2.84E-04	8.68E-03	1.01E-02	5.66E-01	2.08E-03	9.70E-03	5.88E-01
371	489388.17	3859921.48	0.05215	0.70342	0.0111	0.1241	8.53E-03	5.46E-01	2.15E-03	9.14E-03	5.65E-01	8.40E-03	2.36E-05	2.36E-05	2.67E-04	8.72E-03	1.02E-02	5.46E-01	2.15E-03	9.14E-03	5.67E-01
372	489438.17	3859921.48	0.05257	0.67496	0.0115	0.11698	8.60E-03	5.24E-01	2.23E-03	8.61E-03	5.43E-01	8.47E-03	2.27E-05	2.44E-05	2.52E-04	8.77E-03	1.03E-02	5.24E-01	2.23E-03	8.61E-03	5.45E-01
373	489488.17	3859921.48	0.05281	0.65366	0.0117	0.11067	8.64E-03	5.07E-01	2.27E-03	8.15E-03	5.26E-01	8.51E-03	2.20E-05	2.49E-05	2.38E-04	8.79E-03	1.03E-02	5.07E-01	2.27E-03	8.15E-03	5.28E-01
374	489538.17	3859921.48	0.05296	0.63632	0.0119	0.10493	8.66E-03	4.94E-01	2.30E-03	7.73E-03	5.12E-01	8.53E-03	2.14E-05	2.52E-05	2.26E-04	8.81E-03	1.04E-02	4.94E-01	2.30E-03	7.73E-03	5.14E-01
375	489588.17	3859921.48	0.0532	0.61568	0.0121	0.09957	8.70E-03	4.78E-01	2.34E-03	7.33E-03	4.96E-01	8.57E-03	2.07E-05	2.56E-05	2.14E-04	8.83E-03	1.04E-02	4.78E-01	2.34E-03	7.33E-03	4.98E-01
376	489238.17	3859971.48	0.05015	0.8023	0.0096	0.14108	8.20E-03	6.22E-01	1.86E-03	1.04E-02	6.43E-01	8.08E-03	2.70E-05	2.03E-05	3.04E-04	8.43E-03	9.81E-03	6.22E-01	1.86E-03	1.04E-02	6.44E-01
377	489288.17	3859971.48	0.05041	0.77162	0.01	0.13291	8.25E-03	5.99E-01	1.94E-03	9.79E-03	6.19E-01	8.12E-03	2.59E-05	2.12E-05	2.86E-04	8.46E-03	9.86E-03	5.99E-01	1.94E-03	9.79E-03	6.20E-01
378	489338.17	3859971.48	0.0507	0.74155	0.0104	0.12523	8.29E-03	5.75E-01	2.02E-03	9.22E-03	5.95E-01	8.17E-03	2.49E-05	2.21E-05	2.70E-04	8.49E-03	9.92E-03	5.75E-01	2.02E-03	9.22E-03	5.96E-01
379	489388.17	3859971.48	0.05109	0.70943	0.0108	0.11801	8.36E-03	5.50E-01	2.10E-03	8.69E-03	5.69E-01	8.23E-03	2.38E-05	2.30E-05	2.54E-04	8.53E-03	1.00E-02	5.50E-01	2.10E-03	8.69E-03	5.71E-01
380	489438.17	3859971.48	0.05151	0.67444	0.0113	0.11131	8.43E-03	5.23E-01	2.19E-03	8.20E-03	5.42E-01	8.30E-03	2.27E-05	2.40E-05	2.40E-04	8.59E-03	1.01E-02	5.23E-01	2.19E-03	8.20E-03	5.44E-01
381	489488.17	3859971.48	0.05198	0.63523	0.0116	0.10519	8.50E-03	4.93E-01	2.26E-03	7.74E-03	5.11E-01	8.38E-03	2.13E-05	2.47E-05	2.26E-04	8.65E-03	1.02E-02	4.93E-01	2.26E-03	7.74E-03	5.13E-01
382	489538.17	3859971.48	0.05229	0.60663	0.0117	0.09973	8.55E-03	4.71E-01	2.27E-03	7.34E-03	4.89E-01	8.43E-03	2.04E-05	2.49E-05	2.15E-04	8.69E-03	1.02E-02	4.71E-01	2.27E-03	7.34E-03	4.90E-01
383	489588.17	3859971.48	0.05251	0.58357	0.0118	0.09476	8.59E-03	4.53E-01	2.29E-03	6.98E-03	4.71E-01	8.46E-03	1.96E-05	2.51E-05	2.04E-04	8.71E-03	1.03E-02	4.53E-01	2.29E-03	6.98E-03	4.72E-01
384	483577.7	3854071	0.07509	0.02294	0.0035	0.01139	1.23E-02	1.78E-02	6.75E-04	8.39E-04	3.16E-02	1.21E-02	7.71E-07	7.40E-06	2.45E-05	1.21E-02	1.47E-02	1.78E-02	6.75E-04	8.39E-04	3.40E-02
385	483627.7	3854071	0.07809	0.02246	0.0035	0.01152	1.28E-02	1.74E-02	6.75E-04	8.48E-04	3.17E-02	1.26E-02	7.54E-07	7.40E-06	2.48E-05	1.26E-02	1.53E-02	1.74E-02	6.75E-04	8.48E-04	3.42E-02
386	483677.7	3854071	0.08112	0.02187	0.0035	0.01162	1.33E-02	1.70E-02	6.75E-04	8.56E-04	3.18E-02	1.31E-02	7.35E-07	7.40E-06	2.50E-05	1.31E-02	1.59E-02	1.70E-02	6.75E-04	8.56E-04	3.44E-02
387	483727.7	3854071	0.08385	0.02129	0.0035	0.01173	1.37E-02	1.65E-02	6.77E-04	8.64E-04	3.18E-02	1.35E-02	7.15E-07	7.42E-06	2.53E-05	1.35E-02	1.64E-02	1.65E-02	6.77E-04	8.64E-04	3.45E-02
388	483777.7	3854071	0.08621	0.02041	0.0035	0.01192	1.41E-02	1.58E-02	6.77E-04	8.78E-04	3.15E-02	1.39E-02	6.86E-07	7.42E-06	2.57E-05	1.39E-02	1.69E-02	1.58E-02	6.77E-04	8.78E-04	3.43E-02
389	483577.7	3854121	0.07594	0.02371	0.0035	0.01207	1.24E-02	1.84E-02	6.83E-04	8.89E-04	3.24E-02	1.22E-02	7.96E-07	7.48E-06	2.60E-05	1.23E-02	1.49E-02	1.84E-02	6.83E-04	8.89E-04	3.48E-02
390	483627.7	3854121	0.07859	0.02292	0.0035	0.0122	1.29E-02	1.78E-02	6.83E-04	8.98E-04	3.22E-02	1.27E-02	7.70E-07	7.48E-06	2.63E-05	1.27E-02	1.54E-02	1.78E-02	6.83E-04	8.98E-04	3.47E-02
391	483677.7	3854121	0.08155	0.02195	0.0035	0.01232	1.33E-02	1.70E-02	6.83E-04	9.07E-04	3.20E-02	1.31E-02	7.37E-07	7.48E-06	2.65E-05	1.32E-02	1.60E-02	1.70E-02	6.83E-04	9.07E-04	3.46E-02
392	483727.7	3854121	0.08464	0.02098	0.0035	0.01251	1.38E-02	1.63E-02	6.83E-04	9.21E-04	3.17E-02	1.36E-02	7.05E-07	7.48E-06	2.69E-05	1.37E-02	1.66E-02	1.63E-02	6.83E-04	9.21E-04	3.44E-02
393	483777.7	3854121	0.0875	0.02041	0.0035	0.01279	1.43E-02	1.58E-02	6.83E-04	9.42E-04	3.18E-02	1.41E-02	6.86E-07	7.48E-06	2.75E-05	1.41E-02	1.71E-02	1.58E-02	6.83E-04	9.42E-04	3.46E-02
394	483577.7	3854171	0.07714	0.0238	0.0036	0.01285	1.26E-02	1.85E-02	6.88E-04	9.46E-04	3.27E-02	1.24E-02	7.99E-07	7.55E-06	2.77E-05	1.25E-02	1.51E-02	1.85E-02	6.88E-04	9.46E-04	3.52E-02
395	483627.7	3854171	0.07952	0.02266	0.0036	0.013	1.30E-02	1.76E-02	6.88E-04	9.57E-04	3.22E-02	1.28E-02	7.61E-07	7.55E-06	2.80E-05	1.28E-02	1.56E-02	1.76E-02	6.88E-04	9.57E-04	3.48E-02
396	483677.7	3854171	0.08216	0.02182	0.0036	0.01319	1.34E-02	1.69E-02	6.88E-04	9.71E-04	3.20E-02	1.32E-02	7.33E-07	7.55E-06	2.84E-05	1.33E-02	1.61E-02	1.69E-02	6.88E-04	9.71E-04	3.47E-02
397	483727.7	3854171	0.08468	0.02119	0.0036	0.01349	1.39E-02	1.64E-02	6.88E-04	9.93E-04	3.20E-02	1.36E-02	7.12E-07	7.55E-06	2.90E-05	1.37E-02	1.66E-02	1.64E-02	6.88E-04	9.93E-04	3.47E-02
398	483777.7	3854171	0.08795	0.0205	0.0036	0.01386	1.44E-02	1.59E-02	6.90E-04	1.02E-03	3.20E-02	1.42E-02	6.89E-07	7.57E-06	2.98E-05	1.42E-02	1.72E-02	1.59E-02	6.90E-04	1.02E-03	3.48E-02
399	483827.7	3854171	0.09043	0.01956	0.0036	0.01426	1.48E-02	1.52E-02	6.90E-04	1.05E-03	3.17E-02	1.46E-02	6.57E-07	7.57E-06	3.07E-05	1.46E-02	1.77E-02	1.52E-02	6.90E-04	1.05E-03	3.46E-02
400	483877.7	3854171	0.09275	0.01913	0.0036	0.01464	1.52E-02	1.48E-02	6.90E-04	1.08E-03	3.18E-02	1.49E-02	6.43E-07	7.57E-06	3.15E-05	1.50E-02	1.81E-02	1.48E-02	6.90E-04	1.08E-03	3.48E-02
401	483727.7	3854221	0.0851	0.02157	0.0036	0.01471	1.39E-02	1.67E-02	6.96E-04	1.08E-03	3.24E-02	1.37E-02	7.25E-07	7.63E-06	3.17E-05	1.38E-02	1.67E-02	1.67E-02	6.96E-04	1.08E-03	3.52E-02
402	483777.7	3854221	0.08789	0.02083	0.0036	0.01518	1.44E-02	1.62E-02	6.96E-04	1.12E-03	3.23E-02	1.42E-02	7.00E-07	7.63E-06	3.27E-05	1.42E-02	1.72E-02	1.62E-02	6.96E-04	1.12E-03	3.52E-02
403	483827.7	3854221	0.09154	0.02065	0.0036	0.01563	1.50E-02	1.60E-02	6.98E-04	1.15E-03	3.28E-02	1.47E-02	6.94E-07	7.65E-06	3.36E-05	1.48E-02	1.79E-02	1.60E-02	6.98E-04	1.15E-03	3.58E-02
404	483877.7	3854221	0.09437	0.01994	0.0036	0.01602	1.54E-02	1.55E-02	6.98E-04	1.18E-03	3.28E-02	1.52E-02	6.70E-07	7.65E-06	3.45E-05	1.52E-02	1.85E-02	1.55E-02	6.98E-04	1.18E-03	3.58E-02
405	489150.19	3858726.45	0.09485	0.5732	0.0516	0.065	1.55E-02	4.45E-01	1.00E-02	4.79E-03	4.75E-01	1.53E-02	1.93E-05	1.10E-04	1.40E-04	1.56E-02	1.86E-02	4.45E-01	1.00E-02	4.79E-03	4.78E-01
406	489200.19	3858726.45	0.09527	0.56152	0.0534	0.06422	1.56E-02	4.36E-01	1.04E-02	4.73E-03	4.66E-01	1.54E-02	1.89E-05	1.14E-04	1.38E-04	1.56E-02	1.86E-02	4.36E-01	1.04E-02	4.73E-03	4.69E-01
407	489150.19	3858776.45	0.09044	0.6244	0.0442	0.06826	1.48E-02	4.84E-01	8.56E-03	5.03E-03	5.13E-01	1.46E-02	2.10E-05	9.39E-05	1.47E-04	1.48E-02	1.77E-02	4.84E-01	8.56E-03	5.03E-03	5.16E-01
408	489200.19	3858776.45	0.09151	0.60696	0.0459	0.06749	1.50E-02	4.71E-01	8.91E-03	4.97E-03	5.00E-01	1.47E-02	2.04E-05	9.77E-05	1.45E-04	1.50E-02	1.79E-02	4.71E-01	8.91E-03	4.97E-03	5.03E-01
409	488919.6	3856400.76	0.67019	0.13621	0.0175	0.02657	1.10E-01	1.06E-01	3.38E-03	1.96E-03	2.21E-01	1.08E-01	4.58E-06	3.71E-05	5.72E-05	1.08E-01	1.31E-01	1.06E-01	3.38E-03	1.96E-03	2.42E-01
410	488919.6	3856450.76	0.676	0.13982	0.0181	0.02621	1.11E-01	1.08E-01	3.50E-03	1.93E-03	2.24E-01	1.09E-01	4.70E-06	3.84E-05	5.64E-05	1.09E-01	1.32E-01	1.08E-01	3.50E-03	1.93E-03	2.46E-01
411	488969.6	3856450.76	0.66042	0.13843	0.0183	0.02604	1.08E-01	1.07E-01	3.54E-03	1.92E-03	2.21E-01	1.06E-01	4.65E-06	3.88E-05	5.61E-05	1.07E-01	1.29E-01	1.07E-01	3.54E-03	1.92E-03	2.42E-01
412	488919.6	3856500.76	0.68016	0.14344	0.0187	0.02588	1.11E-01	1.11E-01	3.63E-03	1.91E-03	2.28E-01	1.10E-01	4.82E-06	3.98E-05	5.57E-05	1.10E-01	1.33E-01	1.11E-01	3.63E-03	1.91E-03	2.50E-01
413	488969.6	3856500.76	0.66413	0.14227	0.019	0.02573	1.09E-01	1.10E-01	3.68E-03	1.89E-03	2.25E-01	1.07E-01	4.78E-06	4.03E-05	5.54E-05	1.07E-01	1.30E-01	1.10E-01	3.68E-03	1.89E-03	2.46E-01
414	488919.6	3856550.76	0.68248	0.14736	0.0195	0.02558	1.12E-01	1.14E-01	3.78E-03	1.88E-03	2.32E-01	1.10E-01	4.95E-06	4.15E-05	5.51E-05	1.10E-01	1.34E-01	1.14E-01	3.78E-03	1.88E-03	2.54E-01
415	488969.6	3856550.76	0.66598	0.14589	0.0198	0.02545	1.09E-01	1.13E-01	3.85E-03	1.87E-03	2.28E-01	1.07E-01	4.90E-06	4.22E-05	5.48E-05	1.07E-01	1.30E-01	1.13E-01	3.85E-03	1.87E-03	2.49E-01
416	488819.6	3856600.76	0.71825	0.15365	0.0198	0.02557	1.17E-01	1.19E-01	3.84E-03	1.88E-03	2.42E-01	1.16E-01	5.16E-06	4.21E-05	5.50E-05	1.16E-01	1.41E-01	1.19E-01	3.84E-03	1.88E-03	2.65E-01
417	488869.6	3856600.76	0.70002	0.15213	0.0201	0.02543	1.14E-01	1.18E-01	3.90E-03	1.87E-03	2.38E-01	1.13E-01	5.11E-06	4.27E-05	5.47E-05	1.13E-01	1.37E-01	1.18E-01	3.90E-03	1.87E-03	2.61E-01
418	488919.6	3856600.76	0.68245	0.15088	0.0205	0.02532	1.12E-01	1.17E-01	3.97E-03	1.86E-03	2.34E-01	1.10E-01	5.07E-06	4.35E-05	5.45E-05	1.10E-01	1.34E-01	1.17E-01	3.97E-03	1.86E-03	2.56E-01
419	488819.6	3856650.76	0.71659	0.1574	0.0207	0.02529	1.17E-01	1.22E-01	4.02E-03	1.86E-03	2.45E-01	1.15E-01	5.29E-06	4.41E-05	5.44E-05	1.16E-01	1.40E-01	1.22E-01	4.02E-03	1.86E-03	2.68E-01
420	488869.6	3856650.76	0.69805	0.1558	0.0211	0.02519	1.14E-01	1.21E-01	4.10E-03	1.85E-03	2.41E-01	1.12E-01	5.23E-06	4.49E-05	5.42E-05	1.13E-01	1.37E-01	1.21E-01	4.10E-03	1.85E-03	2.63E-01
421	488819.6	3856700.76	0.7123	0.16121	0.0218	0.02506	1.17E-01	1.25E-01	4.23E-03	1.85E-03	2.48E-01	1.15E-01	5.42E-06	4.64E-05	5.39E-05	1.15E-01	1.39E-01	1.25E-01	4.23E-03	1.85E-03	2.71E-01
422	488869.6	3856700.76	0.69363	0.15944	0.0224	0.02499	1.13E-01	1.24E-01	4.34E-03	1.84E-03	2.43E-01	1.12E-01	5.36E-06	4.76E-05	5.38E-05	1.12E-01	1.36E-01	1.24E-01	4.34E-03	1.84E-03	2.66E-01
423	488819.6	3856750.76	0.70548	0.16469	0.0232	0.02488	1.15E-01	1.28E-01	4.50E-03	1.83E-03	2.49E-01	1.14E-01	5.53E-06	4.93E-05	5.36E-05	1.14E-01	1.38E-01	1.28E-01	4.50E-03	1.83E-03	2.72E-01

424	488869.6	3856750.76	0.68658	0.1632	0.024	0.02485	1.12E-01	1.27E-01	4.65E-03	1.83E-03	2.45E-01	1.11E-01	5.48E-06	5.10E-05	5.35E-05	1.11E-01	1.34E-01	1.27E-01	4.65E-03	1.83E-03	2.67E-01
425	488819.6	3857050.76	0.60797	0.18739	0.045	0.02482	9.94E-02	1.45E-01	8.73E-03	1.83E-03	2.55E-01	9.80E-02	6.29E-06	9.57E-05	5.34E-05	9.81E-02	1.19E-01	1.45E-01	8.73E-03	1.83E-03	2.75E-01
426	488869.6	3857050.76	0.59211	0.1859	0.0499	0.02486	9.68E-02	1.44E-01	9.67E-03	1.83E-03	2.53E-01	9.54E-02	6.24E-06	1.06E-04	5.35E-05	9.56E-02	1.16E-01	1.44E-01	9.67E-03	1.83E-03	2.72E-01
427	488919.6	3857050.76	0.57725	0.18421	0.055	0.02488	9.44E-02	1.43E-01	1.07E-02	1.83E-03	2.50E-01	9.30E-02	6.19E-06	1.17E-04	5.36E-05	9.32E-02	1.13E-01	1.43E-01	1.07E-02	1.83E-03	2.68E-01
428	488819.6	3857100.76	0.58476	0.19136	0.0533	0.02495	9.56E-02	1.48E-01	1.03E-02	1.84E-03	2.56E-01	9.42E-02	6.43E-06	1.13E-04	5.37E-05	9.44E-02	1.14E-01	1.48E-01	1.03E-02	1.84E-03	2.75E-01
429	488869.6	3857100.76	0.57024	0.18957	0.0591	0.02499	9.33E-02	1.47E-01	1.15E-02	1.84E-03	2.54E-01	9.19E-02	6.37E-06	1.26E-04	5.38E-05	9.21E-02	1.12E-01	1.47E-01	1.15E-02	1.84E-03	2.72E-01
430	488919.6	3857100.76	0.55604	0.18814	0.0651	0.02501	9.09E-02	1.46E-01	1.26E-02	1.84E-03	2.51E-01	8.96E-02	6.32E-06	1.38E-04	5.38E-05	8.98E-02	1.09E-01	1.46E-01	1.26E-02	1.84E-03	2.69E-01
431	488819.6	3857150.76	0.56062	0.19544	0.0638	0.02514	9.17E-02	1.52E-01	1.24E-02	1.85E-03	2.58E-01	9.03E-02	6.57E-06	1.36E-04	5.41E-05	9.05E-02	1.10E-01	1.52E-01	1.24E-02	1.85E-03	2.76E-01
432	488869.6	3857150.76	0.54701	0.19382	0.0707	0.02517	8.95E-02	1.50E-01	1.37E-02	1.85E-03	2.55E-01	8.81E-02	6.51E-06	1.50E-04	5.42E-05	8.84E-02	1.07E-01	1.50E-01	1.37E-02	1.85E-03	2.73E-01
433	488919.6	3857150.76	0.53418	0.19206	0.0775	0.02519	8.74E-02	1.49E-01	1.50E-02	1.85E-03	2.53E-01	8.61E-02	6.45E-06	1.65E-04	5.42E-05	8.63E-02	1.05E-01	1.49E-01	1.50E-02	1.85E-03	2.70E-01
434	488969.6	3857150.76	0.52185	0.19038	0.084	0.02521	8.54E-02	1.48E-01	1.63E-02	1.86E-03	2.51E-01	8.41E-02	6.40E-06	1.79E-04	5.43E-05	8.43E-02	1.02E-01	1.48E-01	1.63E-02	1.86E-03	2.68E-01
435	488819.6	3857200.76	0.53578	0.19973	0.0773	0.02538	8.76E-02	1.55E-01	1.50E-02	1.87E-03	2.59E-01	8.63E-02	6.71E-06	1.64E-04	5.46E-05	8.66E-02	1.05E-01	1.55E-01	1.50E-02	1.87E-03	2.77E-01
436	488869.6	3857200.76	0.52328	0.19815	0.0853	0.02541	8.56E-02	1.54E-01	1.65E-02	1.87E-03	2.58E-01	8.43E-02	6.66E-06	1.81E-04	5.47E-05	8.46E-02	1.02E-01	1.54E-01	1.65E-02	1.87E-03	2.75E-01
437	488919.6	3857200.76	0.51151	0.1964	0.0931	0.02543	8.37E-02	1.52E-01	1.80E-02	1.87E-03	2.56E-01	8.24E-02	6.60E-06	1.98E-04	5.47E-05	8.27E-02	1.00E-01	1.52E-01	1.80E-02	1.87E-03	2.72E-01
438	488969.6	3857200.76	0.50045	0.19445	0.1004	0.02544	8.19E-02	1.51E-01	1.95E-02	1.87E-03	2.54E-01	8.06E-02	6.53E-06	2.13E-04	5.48E-05	8.09E-02	9.79E-02	1.51E-01	1.95E-02	1.87E-03	2.70E-01
439	488819.6	3857250.76	0.5108	0.20401	0.0946	0.02568	8.35E-02	1.58E-01	1.83E-02	1.89E-03	2.62E-01	8.23E-02	6.85E-06	2.01E-04	5.53E-05	8.26E-02	1.00E-01	1.58E-01	1.83E-02	1.89E-03	2.78E-01
440	488869.6	3857250.76	0.4996	0.2023	0.1038	0.0257	8.17E-02	1.57E-01	2.01E-02	1.89E-03	2.61E-01	8.05E-02	6.80E-06	2.21E-04	5.53E-05	8.08E-02	9.78E-02	1.57E-01	2.01E-02	1.89E-03	2.77E-01
441	488919.6	3857250.76	0.48888	0.20057	0.1127	0.02572	8.00E-02	1.56E-01	2.19E-02	1.89E-03	2.59E-01	7.88E-02	6.74E-06	2.40E-04	5.54E-05	7.91E-02	9.57E-02	1.56E-01	2.19E-02	1.89E-03	2.75E-01
442	488969.6	3857250.76	0.47863	0.19881	0.1212	0.02573	7.83E-02	1.54E-01	2.35E-02	1.89E-03	2.58E-01	7.71E-02	6.68E-06	2.58E-04	5.54E-05	7.74E-02	9.37E-02	1.54E-01	2.35E-02	1.89E-03	2.73E-01
443	488819.6	3857300.76	0.48545	0.20869	0.117	0.02605	7.94E-02	1.62E-01	2.27E-02	1.92E-03	2.66E-01	7.82E-02	7.01E-06	2.49E-04	5.61E-05	7.85E-02	9.50E-02	1.62E-01	2.27E-02	1.92E-03	2.81E-01
444	488869.6	3857300.76	0.47551	0.2069	0.1278	0.02606	7.78E-02	1.60E-01	2.48E-02	1.92E-03	2.65E-01	7.66E-02	6.95E-06	2.72E-04	5.61E-05	7.70E-02	9.30E-02	1.61E-01	2.48E-02	1.92E-03	2.80E-01
445	488919.6	3857300.76	0.46577	0.20526	0.1381	0.02607	7.62E-02	1.59E-01	2.68E-02	1.92E-03	2.64E-01	7.51E-02	6.89E-06	2.94E-04	5.61E-05	7.54E-02	9.11E-02	1.59E-01	2.68E-02	1.92E-03	2.79E-01
446	488819.6	3857450.76	0.41037	0.22376	0.2384	0.02758	6.71E-02	1.74E-01	4.62E-02	2.03E-03	2.89E-01	6.61E-02	7.52E-06	5.07E-04	5.94E-05	6.67E-02	8.03E-02	1.74E-01	4.62E-02	2.03E-03	3.02E-01
447	488869.6	3857450.76	0.40415	0.22173	0.2551	0.02755	6.61E-02	1.72E-01	4.95E-02	2.03E-03	2.90E-01	6.51E-02	7.45E-06	5.42E-04	5.93E-05	6.57E-02	7.91E-02	1.72E-01	4.95E-02	2.03E-03	3.03E-01
448	488919.6	3857450.76	0.39745	0.22029	0.2698	0.02755	6.50E-02	1.71E-01	5.23E-02	2.03E-03	2.90E-01	6.40E-02	7.40E-06	5.74E-04	5.93E-05	6.47E-02	7.78E-02	1.71E-01	5.23E-02	2.03E-03	3.03E-01
449	488819.6	3857500.76	0.38648	0.22907	0.3082	0.02825	6.32E-02	1.78E-01	5.98E-02	2.08E-03	3.03E-01	6.23E-02	7.69E-06	6.55E-04	6.08E-05	6.30E-02	7.56E-02	1.78E-01	5.98E-02	2.08E-03	3.15E-01
450	488869.6	3857500.76	0.3809	0.22743	0.3255	0.02824	6.23E-02	1.76E-01	6.31E-02	2.08E-03	3.04E-01	6.14E-02	7.64E-06	6.92E-04	6.08E-05	6.21E-02	7.45E-02	1.76E-01	6.31E-02	2.08E-03	3.16E-01
451	488919.6	3857500.76	0.37534	0.22585	0.339	0.02824	6.14E-02	1.75E-01	6.57E-02	2.08E-03	3.04E-01	6.05E-02	7.59E-06	7.21E-04	6.08E-05	6.13E-02	7.34E-02	1.75E-01	6.57E-02	2.08E-03	3.16E-01
452	488819.6	3857550.76	0.36312	0.23502	0.3985	0.02905	5.94E-02	1.82E-01	7.73E-02	2.14E-03	3.21E-01	5.85E-02	7.89E-06	8.47E-04	6.25E-05	5.94E-02	7.11E-02	1.82E-01	7.73E-02	2.14E-03	3.33E-01
453	488869.6	3857550.76	0.35866	0.2332	0.4127	0.02905	5.87E-02	1.81E-01	8.00E-02	2.14E-03	3.22E-01	5.78E-02	7.83E-06	8.77E-04	6.25E-05	5.87E-02	7.02E-02	1.81E-01	8.00E-02	2.14E-03	3.33E-01
454	488919.6	3857550.76	0.35388	0.23175	0.4218	0.02908	5.79E-02	1.80E-01	8.18E-02	2.14E-03	3.22E-01	5.70E-02	7.78E-06	8.97E-04	6.26E-05	5.80E-02	6.92E-02	1.80E-01	8.18E-02	2.14E-03	3.33E-01
455	489663.71	3860900.05	0.03384	0.27073	0.0064	0.01717	5.53E-03	2.10E-01	1.24E-03	1.26E-03	2.18E-01	5.45E-03	9.09E-06	1.36E-05	3.70E-05	5.51E-03	6.62E-03	2.10E-01	1.24E-03	1.26E-03	2.19E-01
456	489813.71	3860900.05	0.03403	0.26371	0.0071	0.01675	5.57E-03	2.05E-01	1.38E-03	1.23E-03	2.13E-01	5.48E-03	8.86E-06	1.52E-05	3.61E-05	5.54E-03	6.66E-03	2.05E-01	1.38E-03	1.23E-03	2.14E-01
457	489863.71	3860900.05	0.03403	0.26069	0.0074	0.01661	5.57E-03	2.02E-01	1.43E-03	1.22E-03	2.10E-01	5.48E-03	8.76E-06	1.56E-05	3.58E-05	5.54E-03	6.66E-03	2.02E-01	1.43E-03	1.22E-03	2.12E-01
458	489913.71	3860900.05	0.03413	0.25861	0.0076	0.01653	5.58E-03	2.01E-01	1.47E-03	1.22E-03	2.09E-01	5.50E-03	8.69E-06	1.61E-05	3.56E-05	5.56E-03	6.68E-03	2.01E-01	1.47E-03	1.22E-03	2.10E-01
459	489963.71	3860900.05	0.03413	0.25551	0.0078	0.01641	5.58E-03	1.98E-01	1.51E-03	1.21E-03	2.07E-01	5.50E-03	8.58E-06	1.66E-05	3.53E-05	5.56E-03	6.68E-03	1.98E-01	1.51E-03	1.21E-03	2.08E-01
460	490013.71	3860900.05	0.03422	0.25328	0.008	0.01636	5.60E-03	1.96E-01	1.55E-03	1.20E-03	2.05E-01	5.51E-03	8.51E-06	1.70E-05	3.52E-05	5.57E-03	6.70E-03	1.96E-01	1.55E-03	1.20E-03	2.06E-01
461	490063.71	3860900.05	0.03426	0.25051	0.0081	0.01627	5.60E-03	1.94E-01	1.58E-03	1.20E-03	2.03E-01	5.52E-03	8.42E-06	1.73E-05	3.50E-05	5.58E-03	6.70E-03	1.94E-01	1.58E-03	1.20E-03	2.04E-01
462	489663.71	3860950.05	0.0332	0.24623	0.0062	0.01572	5.43E-03	1.91E-01	1.20E-03	1.16E-03	1.99E-01	5.35E-03	8.27E-06	1.31E-05	3.38E-05	5.40E-03	6.50E-03	1.91E-01	1.20E-03	1.16E-03	2.00E-01
463	489813.71	3860950.05	0.03339	0.24133	0.0069	0.01542	5.46E-03	1.87E-01	1.34E-03	1.14E-03	1.95E-01	5.38E-03	8.11E-06	1.46E-05	3.32E-05	5.44E-03	6.53E-03	1.87E-01	1.34E-03	1.14E-03	1.96E-01
464	489863.71	3860950.05	0.03339	0.23901	0.0071	0.01529	5.46E-03	1.85E-01	1.38E-03	1.13E-03	1.93E-01	5.38E-03	8.03E-06	1.51E-05	3.29E-05	5.44E-03	6.53E-03	1.85E-01	1.38E-03	1.13E-03	1.94E-01
465	489913.71	3860950.05	0.03346	0.23746	0.0074	0.01522	5.47E-03	1.84E-01	1.43E-03	1.12E-03	1.92E-01	5.39E-03	7.98E-06	1.56E-05	3.28E-05	5.45E-03	6.55E-03	1.84E-01	1.43E-03	1.12E-03	1.93E-01
466	489963.71	3860950.05	0.03349	0.23538	0.0076	0.01513	5.48E-03	1.83E-01	1.47E-03	1.11E-03	1.91E-01	5.40E-03	7.91E-06	1.61E-05	3.26E-05	5.45E-03	6.55E-03	1.83E-01	1.47E-03	1.11E-03	1.92E-01
467	490013.71	3860950.05	0.03354	0.23354	0.0078	0.01507	5.49E-03	1.81E-01	1.50E-03	1.11E-03	1.89E-01	5.40E-03	7.84E-06	1.65E-05	3.24E-05	5.46E-03	6.56E-03	1.81E-01	1.50E-03	1.11E-03	1.90E-01
468	490063.71	3860950.05	0.03359	0.23168	0.0079	0.01503	5.49E-03	1.80E-01	1.54E-03	1.11E-03	1.88E-01	5.41E-03	7.78E-06	1.69E-05	3.24E-05	5.47E-03	6.57E-03	1.80E-01	1.54E-03	1.11E-03	1.89E-01
469	489513.71	3861000.05	0.03241	0.22856	0.0054	0.01454	5.30E-03	1.77E-01	1.05E-03	1.07E-03	1.85E-01	5.22E-03	7.68E-06	1.15E-05	3.13E-05	5.27E-03	6.34E-03	1.77E-01	1.05E-03	1.07E-03	1.86E-01
470	489563.71	3861000.05	0.03245	0.22742	0.0056	0.01449	5.31E-03	1.76E-01	1.08E-03	1.07E-03	1.84E-01	5.23E-03	7.64E-06	1.18E-05	3.12E-05	5.28E-03	6.35E-03	1.76E-01	1.08E-03	1.07E-03	1.85E-01
471	489613.71	3861000.05	0.03253	0.22657	0.0058	0.01447	5.32E-03	1.76E-01	1.12E-03	1.07E-03	1.83E-01	5.24E-03	7.61E-06	1.22E-05	3.12E-05	5.29E-03	6.37E-03	1.76E-01	1.12E-03	1.07E-03	1.84E-01
472	489663.71	3861000.05	0.03259	0.22539	0.006	0.01443	5.33E-03	1.75E-01	1.16E-03	1.06E-03	1.82E-01	5.25E-03	7.57E-06	1.27E-05	3.11E-05	5.30E-03	6.38E-03	1.75E-01	1.16E-03	1.06E-03	1.83E-01
473	489713.71	3861000.05	0.03263	0.22391	0.0062	0.01438	5.34E-03	1.74E-01	1.20E-03	1.06E-03	1.81E-01	5.26E-03	7.52E-06	1.31E-05	3.10E-05	5.31E-03	6.39E-03	1.74E-01	1.20E-03	1.06E-03	1.82E-01
474	489763.71	3861000.05	0.03268	0.22261	0.0064	0.01432	5.35E-03	1.73E-01	1.24E-03	1.05E-03	1.80E-01	5.27E-03	7.48E-06	1.36E-05	3.08E-05	5.32E-03	6.39E-03	1.73E-01	1.24E-03	1.05E-03	1.81E-01
475	489813.71	3861000.05	0.03279	0.22182	0.0067	0.01427	5.36E-03	1.72E-01	1.29E-03	1.05E-03	1.80E-01	5.28E-03	7.45E-06	1.42E-05	3.07E-05	5.34E-03	6.42E-03	1.72E-01	1.29E-03	1.05E-03	1.81E-01
476	489863.71	3861000.05	0.03279	0.22004	0.0069	0.01417	5.36E-03	1.71E-01	1.34E-03	1.04E-03	1.78E-01	5.28E-03	7.39E-06	1.46E-05	3.05E-05	5.34E-03	6.42E-03	1.71E-01	1.34E-03	1.04E-03	1.79E-01
477	489913.71	3861000.05	0.03286	0.21895	0.0071	0.0141	5.37E-03	1.70E-01	1.38E-03	1.04E-03	1.78E-01	5.29E-03	7.35E-06	1.52E-05	3.04E-05	5.35E-03	6.43E-03	1.70E-01	1.38E-03	1.04E-03	1.79E-01
478	489963.71	3861000.05	0.03286	0.21724	0.0073	0.01401	5.37E-03	1.69E-01	1.42E-03	1.03E-03	1.76E-01	5.29E-03	7.30E-06	1.56E-05	3.02E-05	5.35E-03	6.43E-03	1.69E-01	1.42E-03	1.03E-03	1.77E-01
479	490013.71	3861000.05	0.03291	0.21594	0.0075	0.01396	5.38E-03	1.68E-01	1.46E-03	1.03E-03	1.75E-01	5.30E-03	7.25E-06	1.60E-05	3.01E-05	5.36E-03	6.44E-03	1.68E-01	1.46E-03	1.03E-03	1.76E-01
480	490063.71	3861000.05	0.03294	0.21451	0.0077	0.01392	5.39E-03	1.66E-01	1.50E-03	1.02E-03	1.74E-01	5.31E-03	7.21E-06	1.64E-05	3.00E-05	5.36E-03	6.45E-03	1.66E-01	1.50E-03	1.02E-03	1.75E-01
481	489513.71	3861050.05	0.03184	0.20971	0.0053	0.01343	5.21E-03	1.63E-01	1.02E-03	9.89E-04	1.70E-01	5.13E-03	7.04E-06	1.12E-05	2.89E-05	5.18E-03	6.23E-03	1.63E-01	1.02E-03	9.89E-04	1.71E-01
482	489563.71	3861050.05	0.03188	0.20888	0.0054	0.01337	5.21E-03	1.62E-01	1.05E-03	9.84E-04	1.69E-01	5.14E-03	7.02E-06	1.15E-05	2.88E-05	5.18E-03	6.24E-03	1.62E-01	1.05E-03	9.84E-04	1.70E-01
483	489613.71	3861050.05	0.03198	0.20862	0.0056	0.01336	5.23E-03	1.62E-01	1.08E-03	9.84E-04	1.69E-01	5.15E-03	7.01E-06	1.19E-05	2.88E-05	5.20E-03	6.26E-03	1.62E-01	1.08E-03	9.84E-04	1.70E-01
484	489663.71	3861050.05	0.03199	0.20733	0.0058	0.01332	5.23E-03	1.61E-01	1.12E-03	9.81E-04	1.68E-01	5.15E-03	6.96E-06	1.23E-05	2.87E-05	5.20E-03	6.26E-03	1.61E-01	1.12E-03	9.81E-04	1.69E-01

485	489713.71	3861050.05	0.03202	0.20613	0.006	0.01328	5.24E-03	1.60E-01	1.16E-03	9.78E-04	1.67E-01	5.16E-03	6.92E-06	1.27E-05	2.86E-05	5.21E-03	6.27E-03	1.60E-01	1.16E-03	9.78E-04	1.68E-01
486	489763.71	3861050.05	0.03208	0.20522	0.0062	0.01326	5.25E-03	1.59E-01	1.20E-03	9.76E-04	1.67E-01	5.17E-03	6.89E-06	1.32E-05	2.85E-05	5.22E-03	6.28E-03	1.59E-01	1.20E-03	9.76E-04	1.68E-01
487	489813.71	3861050.05	0.03216	0.20442	0.0064	0.01322	5.26E-03	1.59E-01	1.25E-03	9.73E-04	1.66E-01	5.18E-03	6.87E-06	1.37E-05	2.85E-05	5.23E-03	6.29E-03	1.59E-01	1.25E-03	9.73E-04	1.67E-01
488	489863.71	3861050.05	0.0322	0.20327	0.0067	0.01317	5.27E-03	1.58E-01	1.29E-03	9.70E-04	1.65E-01	5.19E-03	6.83E-06	1.42E-05	2.84E-05	5.24E-03	6.30E-03	1.58E-01	1.29E-03	9.70E-04	1.66E-01
489	489913.71	3861050.05	0.03224	0.20223	0.0069	0.01311	5.27E-03	1.57E-01	1.34E-03	9.65E-04	1.64E-01	5.19E-03	6.79E-06	1.46E-05	2.82E-05	5.24E-03	6.31E-03	1.57E-01	1.34E-03	9.65E-04	1.65E-01
490	489963.71	3861050.05	0.03227	0.20112	0.0071	0.01305	5.28E-03	1.56E-01	1.38E-03	9.61E-04	1.64E-01	5.20E-03	6.76E-06	1.51E-05	2.81E-05	5.25E-03	6.31E-03	1.56E-01	1.38E-03	9.61E-04	1.65E-01
491	490013.71	3861050.05	0.03233	0.20036	0.0073	0.01301	5.29E-03	1.55E-01	1.42E-03	9.58E-04	1.63E-01	5.21E-03	6.73E-06	1.56E-05	2.80E-05	5.26E-03	6.33E-03	1.55E-01	1.42E-03	9.58E-04	1.64E-01
492	490063.71	3861050.05	0.03235	0.19922	0.0075	0.01296	5.29E-03	1.55E-01	1.46E-03	9.54E-04	1.62E-01	5.21E-03	6.69E-06	1.60E-05	2.79E-05	5.26E-03	6.33E-03	1.55E-01	1.46E-03	9.54E-04	1.63E-01
493	489513.71	3861100.05	0.03135	0.19384	0.0051	0.01253	5.13E-03	1.50E-01	9.91E-04	9.23E-04	1.57E-01	5.05E-03	6.51E-06	1.09E-05	2.70E-05	5.10E-03	6.13E-03	1.50E-01	9.91E-04	9.23E-04	1.58E-01
494	489563.71	3861100.05	0.03131	0.19275	0.0053	0.01244	5.12E-03	1.50E-01	1.02E-03	9.16E-04	1.57E-01	5.05E-03	6.47E-06	1.12E-05	2.68E-05	5.09E-03	6.13E-03	1.50E-01	1.02E-03	9.16E-04	1.58E-01
495	489613.71	3861100.05	0.03127	0.1915	0.0054	0.01236	5.11E-03	1.49E-01	1.05E-03	9.10E-04	1.56E-01	5.04E-03	6.43E-06	1.15E-05	2.66E-05	5.08E-03	6.12E-03	1.49E-01	1.05E-03	9.10E-04	1.57E-01
496	489663.71	3861100.05	0.03133	0.191	0.0056	0.01234	5.12E-03	1.48E-01	1.08E-03	9.09E-04	1.55E-01	5.05E-03	6.42E-06	1.19E-05	2.66E-05	5.09E-03	6.13E-03	1.48E-01	1.08E-03	9.09E-04	1.56E-01
497	489713.71	3861100.05	0.0314	0.19041	0.0058	0.01232	5.14E-03	1.48E-01	1.12E-03	9.07E-04	1.55E-01	5.06E-03	6.40E-06	1.23E-05	2.65E-05	5.10E-03	6.14E-03	1.48E-01	1.12E-03	9.07E-04	1.56E-01
498	489763.71	3861100.05	0.03146	0.18972	0.006	0.01231	5.15E-03	1.47E-01	1.16E-03	9.06E-04	1.54E-01	5.07E-03	6.37E-06	1.27E-05	2.65E-05	5.11E-03	6.16E-03	1.47E-01	1.16E-03	9.06E-04	1.55E-01
499	489813.71	3861100.05	0.03154	0.18915	0.0062	0.0123	5.16E-03	1.47E-01	1.21E-03	9.06E-04	1.54E-01	5.08E-03	6.35E-06	1.32E-05	2.65E-05	5.13E-03	6.17E-03	1.47E-01	1.21E-03	9.06E-04	1.55E-01
500	489863.71	3861100.05	0.03164	0.18872	0.0065	0.01229	5.18E-03	1.46E-01	1.25E-03	9.05E-04	1.54E-01	5.10E-03	6.34E-06	1.37E-05	2.65E-05	5.14E-03	6.19E-03	1.46E-01	1.25E-03	9.05E-04	1.55E-01
501	489913.71	3861100.05	0.03165	0.18761	0.0067	0.01224	5.18E-03	1.46E-01	1.29E-03	9.01E-04	1.53E-01	5.10E-03	6.30E-06	1.42E-05	2.63E-05	5.15E-03	6.19E-03	1.46E-01	1.29E-03	9.01E-04	1.54E-01
502	489963.71	3861100.05	0.03169	0.18681	0.0069	0.01219	5.18E-03	1.45E-01	1.34E-03	8.97E-04	1.52E-01	5.11E-03	6.28E-06	1.46E-05	2.62E-05	5.15E-03	6.20E-03	1.45E-01	1.34E-03	8.97E-04	1.53E-01
503	490013.71	3861100.05	0.0317	0.18581	0.0071	0.01214	5.18E-03	1.44E-01	1.38E-03	8.94E-04	1.52E-01	5.11E-03	6.24E-06	1.51E-05	2.61E-05	5.16E-03	6.20E-03	1.44E-01	1.38E-03	8.94E-04	1.53E-01
504	490063.71	3861100.05	0.03173	0.18505	0.0073	0.01211	5.19E-03	1.44E-01	1.42E-03	8.92E-04	1.51E-01	5.11E-03	6.22E-06	1.55E-05	2.61E-05	5.16E-03	6.21E-03	1.44E-01	1.42E-03	8.92E-04	1.52E-01
505	489713.71	3861150.05	0.0308	0.17673	0.0056	0.01151	5.04E-03	1.37E-01	1.09E-03	8.47E-04	1.44E-01	4.96E-03	5.94E-06	1.19E-05	2.48E-05	5.01E-03	6.03E-03	1.37E-01	1.09E-03	8.47E-04	1.45E-01
506	489763.71	3861150.05	0.03088	0.17634	0.0058	0.0115	5.05E-03	1.37E-01	1.12E-03	8.47E-04	1.44E-01	4.98E-03	5.92E-06	1.23E-05	2.48E-05	5.02E-03	6.04E-03	1.37E-01	1.12E-03	8.47E-04	1.45E-01
507	489813.71	3861150.05	0.03096	0.17593	0.006	0.01149	5.06E-03	1.36E-01	1.17E-03	8.46E-04	1.44E-01	4.99E-03	5.91E-06	1.28E-05	2.47E-05	5.03E-03	6.06E-03	1.36E-01	1.17E-03	8.46E-04	1.45E-01
508	489863.71	3861150.05	0.03102	0.17534	0.0062	0.01148	5.07E-03	1.36E-01	1.21E-03	8.45E-04	1.43E-01	5.00E-03	5.89E-06	1.32E-05	2.47E-05	5.04E-03	6.07E-03	1.36E-01	1.21E-03	8.45E-04	1.44E-01
509	489913.71	3861150.05	0.03106	0.17462	0.0065	0.01146	5.08E-03	1.35E-01	1.25E-03	8.44E-04	1.43E-01	5.00E-03	5.87E-06	1.37E-05	2.47E-05	5.05E-03	6.08E-03	1.35E-01	1.25E-03	8.44E-04	1.44E-01
510	489963.71	3861150.05	0.03108	0.17381	0.0067	0.01142	5.08E-03	1.35E-01	1.29E-03	8.41E-04	1.42E-01	5.01E-03	5.84E-06	1.42E-05	2.46E-05	5.05E-03	6.08E-03	1.35E-01	1.29E-03	8.41E-04	1.43E-01
511	490013.71	3861150.05	0.0311	0.17304	0.0069	0.01138	5.09E-03	1.34E-01	1.33E-03	8.38E-04	1.41E-01	5.01E-03	5.81E-06	1.46E-05	2.45E-05	5.06E-03	6.09E-03	1.34E-01	1.33E-03	8.38E-04	1.42E-01
512	490063.71	3861150.05	0.03115	0.17256	0.0071	0.01136	5.09E-03	1.34E-01	1.37E-03	8.36E-04	1.41E-01	5.02E-03	5.80E-06	1.51E-05	2.45E-05	5.06E-03	6.10E-03	1.34E-01	1.37E-03	8.36E-04	1.42E-01
513	489613.71	3861200.05	0.0301	0.16494	0.0051	0.01089	4.92E-03	1.28E-01	9.87E-04	8.02E-04	1.35E-01	4.85E-03	5.54E-06	1.08E-05	2.34E-05	4.89E-03	5.89E-03	1.28E-01	9.87E-04	8.02E-04	1.36E-01
514	489663.71	3861200.05	0.03016	0.16486	0.0053	0.01085	4.93E-03	1.28E-01	1.02E-03	7.99E-04	1.35E-01	4.86E-03	5.54E-06	1.12E-05	2.34E-05	4.90E-03	5.90E-03	1.28E-01	1.02E-03	7.99E-04	1.36E-01
515	489713.71	3861200.05	0.03023	0.16471	0.0054	0.01083	4.94E-03	1.28E-01	1.05E-03	7.97E-04	1.35E-01	4.87E-03	5.53E-06	1.15E-05	2.33E-05	4.91E-03	5.92E-03	1.28E-01	1.05E-03	7.97E-04	1.36E-01
516	489763.71	3861200.05	0.0303	0.16446	0.0056	0.01081	4.96E-03	1.28E-01	1.09E-03	7.96E-04	1.34E-01	4.88E-03	5.52E-06	1.19E-05	2.33E-05	4.92E-03	5.93E-03	1.28E-01	1.09E-03	7.96E-04	1.35E-01
517	489813.71	3861200.05	0.03038	0.16419	0.0058	0.0108	4.97E-03	1.27E-01	1.13E-03	7.95E-04	1.34E-01	4.90E-03	5.52E-06	1.24E-05	2.32E-05	4.94E-03	5.94E-03	1.27E-01	1.13E-03	7.95E-04	1.35E-01
518	489863.71	3861200.05	0.03047	0.16393	0.006	0.01079	4.98E-03	1.27E-01	1.17E-03	7.94E-04	1.34E-01	4.91E-03	5.51E-06	1.28E-05	2.32E-05	4.95E-03	5.96E-03	1.27E-01	1.17E-03	7.94E-04	1.35E-01
519	489913.71	3861200.05	0.03051	0.16332	0.0063	0.01078	4.99E-03	1.27E-01	1.21E-03	7.94E-04	1.34E-01	4.92E-03	5.49E-06	1.33E-05	2.32E-05	4.96E-03	5.97E-03	1.27E-01	1.21E-03	7.94E-04	1.35E-01
520	489963.71	3861200.05	0.03053	0.16259	0.0065	0.01075	4.99E-03	1.26E-01	1.25E-03	7.91E-04	1.33E-01	4.92E-03	5.46E-06	1.37E-05	2.31E-05	4.96E-03	5.97E-03	1.26E-01	1.25E-03	7.91E-04	1.34E-01
521	490013.71	3861200.05	0.03057	0.16205	0.0067	0.01073	5.00E-03	1.26E-01	1.29E-03	7.90E-04	1.33E-01	4.93E-03	5.44E-06	1.42E-05	2.31E-05	4.97E-03	5.98E-03	1.26E-01	1.29E-03	7.90E-04	1.34E-01
522	490063.71	3861200.05	0.03059	0.16141	0.0069	0.0107	5.00E-03	1.25E-01	1.33E-03	7.88E-04	1.32E-01	4.93E-03	5.42E-06	1.46E-05	2.30E-05	4.97E-03	5.99E-03	1.25E-01	1.33E-03	7.88E-04	1.33E-01
523	489513.71	3861250.05	0.02942	0.15381	0.0047	0.01029	4.81E-03	1.19E-01	9.09E-04	7.58E-04	1.26E-01	4.74E-03	5.17E-06	9.97E-06	2.22E-05	4.78E-03	5.76E-03	1.19E-01	9.09E-04	7.58E-04	1.27E-01
524	489563.71	3861250.05	0.02951	0.15414	0.0048	0.01031	4.83E-03	1.20E-01	9.35E-04	7.59E-04	1.26E-01	4.75E-03	5.18E-06	1.02E-05	2.22E-05	4.79E-03	5.77E-03	1.20E-01	9.35E-04	7.59E-04	1.27E-01
525	489613.71	3861250.05	0.02958	0.15428	0.005	0.0103	4.84E-03	1.20E-01	9.60E-04	7.58E-04	1.26E-01	4.77E-03	5.18E-06	1.05E-05	2.22E-05	4.80E-03	5.79E-03	1.20E-01	9.60E-04	7.58E-04	1.27E-01
526	489663.71	3861250.05	0.02962	0.15418	0.0051	0.01027	4.84E-03	1.20E-01	9.89E-04	7.56E-04	1.26E-01	4.77E-03	5.18E-06	1.08E-05	2.21E-05	4.81E-03	5.80E-03	1.20E-01	9.89E-04	7.56E-04	1.27E-01
527	489713.71	3861250.05	0.02968	0.15411	0.0053	0.01025	4.85E-03	1.20E-01	1.02E-03	7.55E-04	1.26E-01	4.78E-03	5.18E-06	1.12E-05	2.21E-05	4.82E-03	5.81E-03	1.20E-01	1.02E-03	7.55E-04	1.27E-01
528	489763.71	3861250.05	0.02975	0.15398	0.0054	0.01022	4.87E-03	1.19E-01	1.05E-03	7.52E-04	1.26E-01	4.79E-03	5.17E-06	1.16E-05	2.20E-05	4.83E-03	5.82E-03	1.19E-01	1.05E-03	7.52E-04	1.27E-01
529	489813.71	3861250.05	0.02982	0.15377	0.0056	0.0102	4.88E-03	1.19E-01	1.09E-03	7.51E-04	1.26E-01	4.80E-03	5.17E-06	1.20E-05	2.20E-05	4.84E-03	5.84E-03	1.19E-01	1.09E-03	7.51E-04	1.27E-01
530	489863.71	3861250.05	0.02989	0.15349	0.0058	0.01019	4.89E-03	1.19E-01	1.13E-03	7.50E-04	1.26E-01	4.82E-03	5.16E-06	1.24E-05	2.19E-05	4.86E-03	5.85E-03	1.19E-01	1.13E-03	7.50E-04	1.27E-01
531	489913.71	3861250.05	0.02996	0.1532	0.0061	0.01018	4.90E-03	1.19E-01	1.17E-03	7.49E-04	1.26E-01	4.83E-03	5.15E-06	1.29E-05	2.19E-05	4.87E-03	5.86E-03	1.19E-01	1.17E-03	7.49E-04	1.27E-01
532	489963.71	3861250.05	0.03001	0.15276	0.0063	0.01017	4.91E-03	1.18E-01	1.21E-03	7.49E-04	1.25E-01	4.84E-03	5.13E-06	1.33E-05	2.19E-05	4.88E-03	5.87E-03	1.19E-01	1.21E-03	7.49E-04	1.26E-01
533	490013.71	3861250.05	0.03005	0.15223	0.0065	0.01015	4.91E-03	1.18E-01	1.25E-03	7.47E-04	1.25E-01	4.84E-03	5.11E-06	1.38E-05	2.19E-05	4.88E-03	5.88E-03	1.18E-01	1.25E-03	7.47E-04	1.26E-01
534	490063.71	3861250.05	0.03005	0.15153	0.0067	0.01012	4.91E-03	1.18E-01	1.29E-03	7.45E-04	1.24E-01	4.84E-03	5.09E-06	1.42E-05	2.18E-05	4.88E-03	5.88E-03	1.18E-01	1.29E-03	7.45E-04	1.25E-01
535	489528.13	3861308.47	0.02883	0.1426	0.0046	0.00966	4.72E-03	1.11E-01	8.90E-04	7.11E-04	1.17E-01	4.65E-03	4.79E-06	9.76E-06	2.08E-05	4.68E-03	5.64E-03	1.11E-01	8.90E-04	7.11E-04	1.18E-01
536	489578.13	3861308.47	0.02889	0.14285	0.0047	0.00968	4.73E-03	1.11E-01	9.11E-04	7.13E-04	1.17E-01	4.66E-03	4.80E-06	9.99E-06	2.08E-05	4.69E-03	5.65E-03	1.11E-01	9.11E-04	7.13E-04	1.18E-01
537	489628.13	3861308.47	0.02895	0.143	0.0048	0.00969	4.74E-03	1.11E-01	9.37E-04	7.13E-04	1.17E-01	4.66E-03	4.80E-06	1.03E-05	2.09E-05	4.70E-03	5.66E-03	1.11E-01	9.37E-04	7.13E-04	1.18E-01
538	489678.13	3861308.47	0.02902	0.14315	0.005	0.00968	4.75E-03	1.11E-01	9.64E-04	7.13E-04	1.17E-01	4.68E-03	4.81E-06	1.06E-05	2.08E-05	4.71E-03	5.68E-03	1.11E-01	9.64E-04	7.13E-04	1.18E-01
539	489728.13	3861308.47	0.02909	0.14318	0.0051	0.00966	4.76E-03	1.11E-01	9.95E-04	7.11E-04	1.18E-01	4.69E-03	4.81E-06	1.09E-05	2.08E-05	4.72E-03	5.69E-03	1.11E-01	9.95E-04	7.11E-04	1.18E-01
540	489778.13	3861308.47	0.02914	0.14305	0.0053	0.00963	4.77E-03	1.11E-01	1.03E-03	7.09E-04	1.17E-01	4.70E-03	4.81E-06	1.13E-05	2.07E-05	4.73E-03	5.70E-03	1.11E-01	1.03E-03	7.09E-04	1.18E-01
541	489678.13	3861358.47	0.0285	0.13473	0.0048	0.00923	4.66E-03	1.05E-01	9.37E-04	6.80E-04	1.11E-01	4.59E-03	4.53E-06	1.03E-05	1.99E-05	4.63E-03	5.58E-03	1.05E-01	9.37E-04	6.80E-04	1.12E-01
542	489728.13	3861358.47	0.02856	0.13479	0.005	0.00921	4.67E-03	1.05E-01	9.66E-04	6.78E-04	1.11E-01	4.60E-03	4.53E-06	1.06E-05	1.98E-05	4.64E-03	5.59E-03	1.05E-01	9.66E-04	6.78E-04	1.12E-01
543	489528.13	3861408.47	0.02782	0.12644	0.0044	0.00877	4.55E-03	9.81E-02	8.49E-04	6.46E-04	1.04E-01	4.48E-03	4.25E-06	9.31E-06	1.89E-05	4.52E-03	5.44E-03	9.81E-02	8.49E-04	6.46E-04	1.05E-01
544	489578.13	3861408.47	0.02788	0.1267	0.0045	0.00879	4.56E-03	9.83E-02	8.69E-04	6.47E-04	1.04E-01	4.49E-03	4.26E-06	9.53E-06	1.89E-05	4.53E-03	5.46E-03	9.83E-02	8.69E-04	6.47E-04	1.05E-01
545	489628.13	3861408.47	0.02798	0.12719	0.0046	0.00882	4.58E-03	9.87E-02	8.90E-04	6.49E-04	1.05E-01	4.51E-03	4.27E-06	9.76E-06	1.90E-05	4.54E-03	5.48E-03	9.87E-02	8.90E-04	6.49E-04	1.06E-01

546	489678.13	3861408.47	0.02801	0.12724	0.0047	0.00882	4.58E-03	9.87E-02	9.13E-04	6.49E-04	1.05E-01	4.51E-03	4.27E-06	1.00E-05	1.90E-05	4.55E-03	5.48E-03	9.87E-02	9.13E-04	6.49E-04	1.06E-01
547	489728.13	3861408.47	0.02805	0.12725	0.0048	0.00881	4.59E-03	9.87E-02	9.39E-04	6.49E-04	1.05E-01	4.52E-03	4.27E-06	1.03E-05	1.90E-05	4.55E-03	5.49E-03	9.87E-02	9.39E-04	6.49E-04	1.06E-01
548	489528.13	3861458.47	0.02737	0.11973	0.0043	0.0084	4.48E-03	9.29E-02	8.32E-04	6.18E-04	9.88E-02	4.41E-03	4.02E-06	9.12E-06	1.81E-05	4.44E-03	5.36E-03	9.29E-02	8.32E-04	6.18E-04	9.97E-02
549	489578.13	3861458.47	0.02743	0.12001	0.0044	0.00843	4.49E-03	9.31E-02	8.47E-04	6.21E-04	9.90E-02	4.42E-03	4.03E-06	9.29E-06	1.81E-05	4.45E-03	5.37E-03	9.31E-02	8.47E-04	6.21E-04	9.99E-02
550	489628.13	3861458.47	0.02748	0.12024	0.0045	0.00845	4.49E-03	9.33E-02	8.67E-04	6.22E-04	9.93E-02	4.43E-03	4.04E-06	9.50E-06	1.82E-05	4.46E-03	5.38E-03	9.33E-02	8.67E-04	6.22E-04	1.00E-01
551	489678.13	3861458.47	0.02752	0.12037	0.0046	0.00845	4.50E-03	9.34E-02	8.88E-04	6.22E-04	9.94E-02	4.43E-03	4.04E-06	9.74E-06	1.82E-05	4.47E-03	5.39E-03	9.34E-02	8.88E-04	6.22E-04	1.00E-01
552	489728.13	3861458.47	0.02753	0.1203	0.0047	0.00844	4.50E-03	9.33E-02	9.11E-04	6.21E-04	9.94E-02	4.44E-03	4.04E-06	9.99E-06	1.82E-05	4.47E-03	5.39E-03	9.33E-02	9.11E-04	6.21E-04	1.00E-01
553	489528.13	3861508.47	0.02691	0.1136	0.0042	0.00805	4.40E-03	8.81E-02	8.14E-04	5.93E-04	9.39E-02	4.34E-03	3.82E-06	8.93E-06	1.73E-05	4.37E-03	5.27E-03	8.81E-02	8.14E-04	5.93E-04	9.48E-02
554	489578.13	3861508.47	0.02696	0.11378	0.0043	0.00809	4.41E-03	8.83E-02	8.30E-04	5.96E-04	9.41E-02	4.34E-03	3.82E-06	9.10E-06	1.74E-05	4.37E-03	5.28E-03	8.83E-02	8.30E-04	5.96E-04	9.50E-02
555	489628.13	3861508.47	0.02699	0.11394	0.0044	0.00811	4.41E-03	8.84E-02	8.47E-04	5.97E-04	9.42E-02	4.35E-03	3.83E-06	9.29E-06	1.75E-05	4.38E-03	5.28E-03	8.84E-02	8.47E-04	5.97E-04	9.51E-02
556	489678.13	3861508.47	0.02702	0.11404	0.0045	0.00812	4.42E-03	8.85E-02	8.67E-04	5.98E-04	9.43E-02	4.35E-03	3.83E-06	9.50E-06	1.75E-05	4.38E-03	5.29E-03	8.85E-02	8.67E-04	5.98E-04	9.52E-02
557	489728.13	3861508.47	0.02704	0.1141	0.0046	0.00812	4.42E-03	8.85E-02	8.88E-04	5.98E-04	9.44E-02	4.36E-03	3.83E-06	9.74E-06	1.75E-05	4.39E-03	5.29E-03	8.85E-02	8.88E-04	5.98E-04	9.53E-02
558	489628.13	3861558.47	0.02656	0.10845	0.0043	0.00781	4.34E-03	8.41E-02	8.28E-04	5.75E-04	8.99E-02	4.28E-03	3.64E-06	9.08E-06	1.68E-05	4.31E-03	5.20E-03	8.41E-02	8.28E-04	5.75E-04	9.07E-02
559	489678.13	3861558.47	0.02662	0.10872	0.0044	0.00783	4.35E-03	8.43E-02	8.47E-04	5.76E-04	9.01E-02	4.29E-03	3.65E-06	9.29E-06	1.69E-05	4.32E-03	5.21E-03	8.43E-02	8.47E-04	5.76E-04	9.10E-02
560	489728.13	3861558.47	0.02665	0.10881	0.0045	0.00784	4.36E-03	8.44E-02	8.67E-04	5.77E-04	9.02E-02	4.29E-03	3.66E-06	9.50E-06	1.69E-05	4.32E-03	5.21E-03	8.44E-02	8.67E-04	5.77E-04	9.11E-02
561	489357.08	3861015.81	0.03207	0.22414	0.0049	0.01431	5.25E-03	1.74E-01	9.56E-04	1.05E-03	1.81E-01	5.17E-03	7.53E-06	1.05E-05	3.08E-05	5.22E-03	6.28E-03	1.74E-01	9.56E-04	1.05E-03	1.82E-01
562	489407.08	3861015.81	0.03208	0.22319	0.005	0.01426	5.25E-03	1.73E-01	9.77E-04	1.05E-03	1.80E-01	5.17E-03	7.50E-06	1.07E-05	3.07E-05	5.22E-03	6.28E-03	1.73E-01	9.77E-04	1.05E-03	1.81E-01
563	489457.08	3861015.81	0.03212	0.22256	0.0052	0.0142	5.25E-03	1.73E-01	1.00E-03	1.05E-03	1.80E-01	5.18E-03	7.48E-06	1.10E-05	3.06E-05	5.22E-03	6.29E-03	1.73E-01	1.00E-03	1.05E-03	1.81E-01
564	489357.08	3861065.81	0.0315	0.2052	0.0048	0.01319	5.15E-03	1.59E-01	9.35E-04	9.71E-04	1.66E-01	5.08E-03	6.89E-06	1.02E-05	2.84E-05	5.12E-03	6.16E-03	1.59E-01	9.35E-04	9.71E-04	1.67E-01
565	489407.08	3861065.81	0.0315	0.20448	0.0049	0.01317	5.15E-03	1.59E-01	9.54E-04	9.70E-04	1.66E-01	5.08E-03	6.87E-06	1.05E-05	2.84E-05	5.12E-03	6.16E-03	1.59E-01	9.54E-04	9.70E-04	1.67E-01
566	489457.08	3861065.81	0.03154	0.20412	0.005	0.01314	5.16E-03	1.58E-01	9.77E-04	9.67E-04	1.65E-01	5.08E-03	6.86E-06	1.07E-05	2.83E-05	5.13E-03	6.17E-03	1.58E-01	9.77E-04	9.67E-04	1.66E-01
567	489357.08	3861115.81	0.03093	0.1888	0.0047	0.01222	5.06E-03	1.46E-01	9.13E-04	9.00E-04	1.53E-01	4.98E-03	6.34E-06	1.00E-05	2.63E-05	5.03E-03	6.05E-03	1.46E-01	9.13E-04	9.00E-04	1.54E-01
568	489407.08	3861115.81	0.03098	0.18875	0.0048	0.01225	5.07E-03	1.46E-01	9.31E-04	9.02E-04	1.53E-01	4.99E-03	6.34E-06	1.02E-05	2.64E-05	5.03E-03	6.06E-03	1.46E-01	9.31E-04	9.02E-04	1.54E-01
569	489457.08	3861115.81	0.03103	0.18864	0.0049	0.01226	5.08E-03	1.46E-01	9.52E-04	9.03E-04	1.53E-01	5.00E-03	6.34E-06	1.04E-05	2.64E-05	5.04E-03	6.07E-03	1.46E-01	9.52E-04	9.03E-04	1.54E-01
570	489407.08	3861165.81	0.03047	0.17504	0.0047	0.01145	4.98E-03	1.36E-01	9.11E-04	8.43E-04	1.43E-01	4.91E-03	5.88E-06	9.99E-06	2.46E-05	4.95E-03	5.96E-03	1.36E-01	9.11E-04	8.43E-04	1.44E-01
571	489457.08	3861165.81	0.03048	0.17474	0.0048	0.01146	4.99E-03	1.36E-01	9.29E-04	8.44E-04	1.42E-01	4.91E-03	5.87E-06	1.02E-05	2.47E-05	4.95E-03	5.96E-03	1.36E-01	9.29E-04	8.44E-04	1.43E-01
572	489407.08	3861215.81	0.02979	0.16183	0.0046	0.01069	4.87E-03	1.26E-01	8.86E-04	7.87E-04	1.32E-01	4.80E-03	5.44E-06	9.72E-06	2.30E-05	4.84E-03	5.83E-03	1.26E-01	8.86E-04	7.87E-04	1.33E-01
573	489457.08	3861215.81	0.02983	0.1618	0.0047	0.01072	4.88E-03	1.26E-01	9.04E-04	7.89E-04	1.32E-01	4.81E-03	5.44E-06	9.91E-06	2.31E-05	4.84E-03	5.84E-03	1.26E-01	9.04E-04	7.89E-04	1.33E-01
574	489407.08	3861265.81	0.02914	0.15019	0.0045	0.01004	4.77E-03	1.17E-01	8.65E-04	7.39E-04	1.23E-01	4.70E-03	5.05E-06	9.48E-06	2.16E-05	4.73E-03	5.70E-03	1.17E-01	8.65E-04	7.39E-04	1.24E-01
575	489457.08	3861265.81	0.02921	0.15048	0.0046	0.01008	4.78E-03	1.17E-01	8.82E-04	7.42E-04	1.23E-01	4.71E-03	5.05E-06	9.67E-06	2.17E-05	4.74E-03	5.72E-03	1.17E-01	8.82E-04	7.42E-04	1.24E-01
576	489309.86	3861110.14	0.03092	0.19034	0.0046	0.01226	5.06E-03	1.48E-01	9.00E-04	9.03E-04	1.55E-01	4.98E-03	6.39E-06	9.87E-06	2.64E-05	5.02E-03	6.05E-03	1.48E-01	9.00E-04	9.03E-04	1.56E-01
577	489407.08	3861315.81	0.02862	0.14074	0.0044	0.00951	4.68E-03	1.09E-01	8.47E-04	7.00E-04	1.15E-01	4.61E-03	4.73E-06	9.29E-06	2.05E-05	4.65E-03	5.60E-03	1.09E-01	8.47E-04	7.00E-04	1.16E-01
578	489457.08	3861315.81	0.02869	0.14108	0.0045	0.00955	4.69E-03	1.09E-01	8.63E-04	7.03E-04	1.16E-01	4.62E-03	4.74E-06	9.46E-06	2.06E-05	4.66E-03	5.61E-03	1.09E-01	8.63E-04	7.03E-04	1.17E-01
579	488906.03	3861006.75	0.03175	0.2304	0.0048	0.014	5.19E-03	1.79E-01	9.35E-04	1.03E-03	1.86E-01	5.12E-03	7.74E-06	1.02E-05	3.01E-05	5.16E-03	6.21E-03	1.79E-01	9.35E-04	1.03E-03	1.87E-01
580	488956.03	3861006.75	0.03196	0.23158	0.0048	0.01406	5.23E-03	1.80E-01	9.27E-04	1.04E-03	1.87E-01	5.15E-03	7.78E-06	1.02E-05	3.03E-05	5.20E-03	6.25E-03	1.80E-01	9.27E-04	1.04E-03	1.88E-01
581	488904.24	3861051.87	0.03165	0.21234	0.0049	0.01312	5.18E-03	1.65E-01	9.40E-04	9.66E-04	1.72E-01	5.10E-03	7.13E-06	1.03E-05	2.82E-05	5.15E-03	6.19E-03	1.65E-01	9.40E-04	9.66E-04	1.73E-01
582	488954.24	3861051.87	0.03155	0.21273	0.0048	0.01311	5.16E-03	1.65E-01	9.23E-04	9.65E-04	1.72E-01	5.08E-03	7.15E-06	1.01E-05	2.82E-05	5.13E-03	6.17E-03	1.65E-01	9.23E-04	9.65E-04	1.73E-01
583	489004.24	3861051.87	0.0318	0.21332	0.0047	0.01315	5.20E-03	1.65E-01	9.17E-04	9.68E-04	1.73E-01	5.12E-03	7.17E-06	1.01E-05	2.83E-05	5.17E-03	6.22E-03	1.65E-01	9.17E-04	9.68E-04	1.74E-01
584	488804.24	3861101.87	0.03057	0.1925	0.0049	0.01263	5.00E-03	1.49E-01	9.50E-04	9.30E-04	1.56E-01	4.93E-03	6.47E-06	1.04E-05	2.72E-05	4.97E-03	5.98E-03	1.49E-01	9.50E-04	9.30E-04	1.57E-01
585	488854.24	3861101.87	0.03077	0.19336	0.0048	0.01242	5.03E-03	1.50E-01	9.39E-04	9.14E-04	1.57E-01	4.96E-03	6.50E-06	1.03E-05	2.67E-05	5.00E-03	6.02E-03	1.50E-01	9.39E-04	9.14E-04	1.58E-01
586	488904.24	3861101.87	0.03054	0.19198	0.0047	0.01211	5.00E-03	1.49E-01	9.17E-04	8.92E-04	1.56E-01	4.92E-03	6.45E-06	1.01E-05	2.61E-05	4.96E-03	5.98E-03	1.49E-01	9.17E-04	8.92E-04	1.57E-01
587	488954.24	3861101.87	0.03055	0.1916	0.0047	0.012	5.00E-03	1.49E-01	9.04E-04	8.83E-04	1.55E-01	4.92E-03	6.44E-06	9.91E-06	2.58E-05	4.96E-03	5.98E-03	1.49E-01	9.04E-04	8.83E-04	1.56E-01
588	489004.24	3861101.87	0.03066	0.19207	0.0046	0.012	5.01E-03	1.49E-01	8.94E-04	8.83E-04	1.56E-01	4.94E-03	6.45E-06	9.80E-06	2.58E-05	4.98E-03	6.00E-03	1.49E-01	8.94E-04	8.83E-04	1.57E-01
589	488804.24	3861151.87	0.02955	0.17392	0.0048	0.01167	4.83E-03	1.35E-01	9.29E-04	8.59E-04	1.42E-01	4.76E-03	5.84E-06	1.02E-05	2.51E-05	4.80E-03	5.78E-03	1.35E-01	9.29E-04	8.59E-04	1.42E-01
590	488854.24	3861151.87	0.0296	0.17389	0.0047	0.01143	4.84E-03	1.35E-01	9.15E-04	8.42E-04	1.41E-01	4.77E-03	5.84E-06	1.00E-05	2.46E-05	4.81E-03	5.79E-03	1.35E-01	9.15E-04	8.42E-04	1.42E-01
591	489129.49	3861187.55	0.02969	0.16638	0.0044	0.01072	4.86E-03	1.29E-01	8.57E-04	7.89E-04	1.36E-01	4.78E-03	5.59E-06	9.40E-06	2.31E-05	4.82E-03	5.81E-03	1.29E-01	8.57E-04	7.89E-04	1.37E-01
592	489179.49	3861187.55	0.02975	0.16664	0.0044	0.01079	4.87E-03	1.29E-01	8.55E-04	7.94E-04	1.36E-01	4.79E-03	5.60E-06	9.38E-06	2.32E-05	4.83E-03	5.82E-03	1.29E-01	8.55E-04	7.94E-04	1.37E-01
593	488804.24	3861201.87	0.029	0.16105	0.0048	0.01101	4.74E-03	1.25E-01	9.21E-04	8.11E-04	1.31E-01	4.67E-03	5.41E-06	1.01E-05	2.37E-05	4.71E-03	5.67E-03	1.25E-01	9.21E-04	8.11E-04	1.32E-01
594	488854.24	3861201.87	0.02898	0.16035	0.0047	0.01076	4.74E-03	1.24E-01	9.04E-04	7.92E-04	1.31E-01	4.67E-03	5.39E-06	9.91E-06	2.32E-05	4.71E-03	5.67E-03	1.24E-01	9.04E-04	7.92E-04	1.32E-01
595	489129.49	3861237.55	0.02921	0.15522	0.0044	0.01009	4.78E-03	1.20E-01	8.47E-04	7.43E-04	1.27E-01	4.71E-03	5.21E-06	9.29E-06	2.17E-05	4.74E-03	5.72E-03	1.20E-01	8.47E-04	7.43E-04	1.28E-01
596	489179.49	3861237.55	0.02921	0.15503	0.0044	0.01013	4.78E-03	1.20E-01	8.43E-04	7.46E-04	1.27E-01	4.71E-03	5.21E-06	9.25E-06	2.18E-05	4.74E-03	5.72E-03	1.20E-01	8.43E-04	7.46E-04	1.28E-01
597	488804.24	3861251.87	0.0285	0.15016	0.0047	0.01043	4.66E-03	1.16E-01	9.13E-04	7.68E-04	1.23E-01	4.59E-03	5.04E-06	1.00E-05	2.25E-05	4.63E-03	5.58E-03	1.16E-01	9.13E-04	7.68E-04	1.24E-01
598	488854.24	3861251.87	0.02845	0.14938	0.0046	0.01019	4.65E-03	1.16E-01	8.96E-04	7.50E-04	1.22E-01	4.58E-03	5.02E-06	9.82E-06	2.19E-05	4.62E-03	5.57E-03	1.16E-01	8.96E-04	7.50E-04	1.23E-01
599	488804.24	3861301.87	0.02793	0.14006	0.0047	0.00989	4.57E-03	1.09E-01	9.04E-04	7.28E-04	1.15E-01	4.50E-03	4.70E-06	9.91E-06	2.13E-05	4.54E-03	5.47E-03	1.09E-01	9.04E-04	7.28E-04	1.16E-01
600	488854.24	3861301.87	0.02794	0.13977	0.0046	0.00969	4.57E-03	1.08E-01	8.88E-04	7.13E-04	1.15E-01	4.50E-03	4.70E-06	9.74E-06	2.09E-05	4.54E-03	5.47E-03	1.08E-01	8.88E-04	7.13E-04	1.15E-01
601	490943.5	3860181.97	0.04423	0.33099	0.0122	0.03366	7.23E-03	2.57E-01	2.36E-03	2.48E-03	2.69E-01	7.13E-03	1.11E-05	2.59E-05	7.25E-05	7.24E-03	8.65E-03	2.57E-01	2.36E-03	2.48E-03	2.70E-01
602	490993.5	3860181.97	0.04397	0.32409	0.0122	0.033	7.19E-03	2.51E-01	2.36E-03	2.43E-03	2.63E-01	7.08E-03	1.09E-05	2.59E-05	7.10E-05	7.19E-03	8.60E-03	2.51E-01	2.36E-03	2.43E-03	2.65E-01
603	491043.5	3860181.97	0.04374	0.31745	0.0122	0.03238	7.15E-03	2.46E-01	2.36E-03	2.38E-03	2.58E-01	7.05E-03	1.07E-05	2.59E-05	6.97E-05	7.15E-03	8.56E-03	2.46E-01	2.36E-03	2.38E-03	2.60E-01
604	491093.5	3860181.97	0.0435	0.31086	0.0122	0.03172	7.11E-03	2.41E-01	2.37E-03	2.34E-03	2.53E-01	7.01E-03	1.04E-05	2.60E-05	6.83E-05	7.11E-03	8.51E-03	2.41E-01	2.37E-03	2.34E-03	2.54E-01
605	490943.5	3860231.97	0.04362	0.32466	0.0119	0.032	7.13E-03	2.52E-01	2.30E-03	2.36E-03	2.64E-01	7.03E-03	1.09E-05	2.52E-05	6.89E-05	7.13E-03	8.54E-03	2.52E-01	2.30E-03	2.36E-03	2.65E-01
606	490993.5	3860231.97	0.04343	0.3182	0.0119	0.03153	7.10E-03	2.47E-01	2.31E-03	2.32E-03	2.59E-01	7.00E-03	1.07E-05	2.53E-05	6.79E-05	7.10E-03	8.50E-03	2.47E-01	2.31E-03	2.32E-03	2.60E-01

607	491043.5	3860231.97	0.04311	0.31145	0.0119	0.03087	7.05E-03	2.42E-01	2.30E-03	2.27E-03	2.53E-01	6.95E-03	1.05E-05	2.53E-05	6.65E-05	7.05E-03	8.44E-03	2.42E-01	2.30E-03	2.27E-03	2.55E-01
608	491093.5	3860231.97	0.04283	0.30492	0.0119	0.03024	7.01E-03	2.37E-01	2.30E-03	2.23E-03	2.48E-01	6.90E-03	1.02E-05	2.52E-05	6.51E-05	7.00E-03	8.38E-03	2.37E-01	2.30E-03	2.23E-03	2.49E-01
609	490943.5	3860281.97	0.04306	0.31758	0.0116	0.03035	7.04E-03	2.46E-01	2.25E-03	2.23E-03	2.58E-01	6.94E-03	1.07E-05	2.47E-05	6.53E-05	7.04E-03	8.43E-03	2.46E-01	2.25E-03	2.23E-03	2.59E-01
610	490993.5	3860281.97	0.04284	0.31123	0.0116	0.02989	7.01E-03	2.41E-01	2.25E-03	2.20E-03	2.53E-01	6.90E-03	1.05E-05	2.47E-05	6.43E-05	7.00E-03	8.38E-03	2.41E-01	2.25E-03	2.20E-03	2.54E-01
611	491043.5	3860281.97	0.04254	0.30477	0.0116	0.02934	6.96E-03	2.36E-01	2.25E-03	2.16E-03	2.48E-01	6.85E-03	1.02E-05	2.47E-05	6.32E-05	6.95E-03	8.32E-03	2.36E-01	2.25E-03	2.16E-03	2.49E-01
612	491093.5	3860281.97	0.04224	0.29848	0.0116	0.0288	6.91E-03	2.32E-01	2.25E-03	2.12E-03	2.43E-01	6.81E-03	1.00E-05	2.46E-05	6.20E-05	6.90E-03	8.27E-03	2.32E-01	2.25E-03	2.12E-03	2.44E-01
613	490943.5	3860331.97	0.04252	0.30972	0.0114	0.02872	6.95E-03	2.40E-01	2.20E-03	2.11E-03	2.52E-01	6.85E-03	1.04E-05	2.42E-05	6.18E-05	6.95E-03	8.32E-03	2.40E-01	2.20E-03	2.11E-03	2.53E-01
614	490993.5	3860331.97	0.04221	0.30324	0.0114	0.02821	6.90E-03	2.35E-01	2.20E-03	2.08E-03	2.46E-01	6.80E-03	1.02E-05	2.41E-05	6.07E-05	6.90E-03	8.26E-03	2.35E-01	2.20E-03	2.08E-03	2.48E-01
615	491043.5	3860331.97	0.04192	0.29703	0.0113	0.02774	6.86E-03	2.30E-01	2.20E-03	2.04E-03	2.41E-01	6.75E-03	9.98E-06	2.41E-05	5.97E-05	6.85E-03	8.20E-03	2.30E-01	2.20E-03	2.04E-03	2.43E-01
616	491093.5	3860331.97	0.04163	0.29106	0.0113	0.02728	6.81E-03	2.26E-01	2.19E-03	2.01E-03	2.37E-01	6.71E-03	9.78E-06	2.40E-05	5.87E-05	6.80E-03	8.15E-03	2.26E-01	2.19E-03	2.01E-03	2.38E-01
617	490086.72	3859935.12	0.05304	0.50793	0.0129	0.06503	8.68E-03	3.94E-01	2.51E-03	4.79E-03	4.10E-01	8.55E-03	1.71E-05	2.75E-05	1.40E-04	8.73E-03	1.04E-02	3.94E-01	2.51E-03	4.79E-03	4.12E-01
618	490136.72	3859935.12	0.0528	0.49667	0.0131	0.06285	8.64E-03	3.85E-01	2.54E-03	4.63E-03	4.01E-01	8.51E-03	1.67E-05	2.79E-05	1.35E-04	8.69E-03	1.03E-02	3.85E-01	2.54E-03	4.63E-03	4.03E-01
619	490186.72	3859935.12	0.05252	0.48567	0.0133	0.06082	8.59E-03	3.77E-01	2.58E-03	4.48E-03	3.92E-01	8.46E-03	1.63E-05	2.82E-05	1.31E-04	8.64E-03	1.03E-02	3.77E-01	2.58E-03	4.48E-03	3.94E-01
620	490236.72	3859935.12	0.05219	0.47495	0.0134	0.05891	8.54E-03	3.68E-01	2.60E-03	4.34E-03	3.84E-01	8.41E-03	1.60E-05	2.86E-05	1.27E-04	8.58E-03	1.02E-02	3.68E-01	2.60E-03	4.34E-03	3.86E-01
621	490286.72	3859935.12	0.05181	0.4646	0.0136	0.05716	8.47E-03	3.60E-01	2.63E-03	4.21E-03	3.76E-01	8.35E-03	1.56E-05	2.88E-05	1.23E-04	8.52E-03	1.01E-02	3.60E-01	2.63E-03	4.21E-03	3.77E-01
622	490336.72	3859935.12	0.05141	0.45452	0.0136	0.05552	8.41E-03	3.53E-01	2.64E-03	4.09E-03	3.68E-01	8.28E-03	1.53E-05	2.90E-05	1.20E-04	8.45E-03	1.01E-02	3.53E-01	2.64E-03	4.09E-03	3.69E-01
623	490386.72	3859935.12	0.05101	0.44463	0.0137	0.05395	8.34E-03	3.45E-01	2.66E-03	3.97E-03	3.60E-01	8.22E-03	1.49E-05	2.91E-05	1.16E-04	8.38E-03	9.98E-03	3.45E-01	2.66E-03	3.97E-03	3.62E-01
624	490436.72	3859935.12	0.0506	0.43506	0.0138	0.05249	8.28E-03	3.37E-01	2.67E-03	3.86E-03	3.52E-01	8.15E-03	1.46E-05	2.93E-05	1.13E-04	8.31E-03	9.90E-03	3.37E-01	2.67E-03	3.86E-03	3.54E-01
625	490486.72	3859935.12	0.05022	0.42572	0.0138	0.05109	8.21E-03	3.30E-01	2.68E-03	3.76E-03	3.45E-01	8.09E-03	1.43E-05	2.94E-05	1.10E-04	8.25E-03	9.83E-03	3.30E-01	2.68E-03	3.76E-03	3.47E-01
626	490536.72	3859935.12	0.04997	0.4164	0.0139	0.04964	8.17E-03	3.23E-01	2.70E-03	3.65E-03	3.38E-01	8.05E-03	1.40E-05	2.96E-05	1.07E-04	8.20E-03	9.78E-03	3.23E-01	2.70E-03	3.65E-03	3.39E-01
627	490586.72	3859935.12	0.04978	0.40723	0.014	0.04824	8.14E-03	3.16E-01	2.72E-03	3.55E-03	3.30E-01	8.02E-03	1.37E-05	2.98E-05	1.04E-04	8.17E-03	9.74E-03	3.16E-01	2.72E-03	3.55E-03	3.32E-01
628	490636.72	3859935.12	0.04954	0.3986	0.0141	0.04702	8.10E-03	3.09E-01	2.73E-03	3.46E-03	3.23E-01	7.98E-03	1.34E-05	3.00E-05	1.01E-04	8.13E-03	9.69E-03	3.09E-01	2.73E-03	3.46E-03	3.25E-01
629	490686.72	3859935.12	0.04946	0.38896	0.0143	0.04573	8.09E-03	3.02E-01	2.77E-03	3.37E-03	3.16E-01	7.97E-03	1.31E-05	3.03E-05	9.84E-05	8.11E-03	9.68E-03	3.02E-01	2.77E-03	3.37E-03	3.18E-01
630	490736.72	3859935.12	0.0493	0.38032	0.0144	0.04459	8.06E-03	2.95E-01	2.79E-03	3.28E-03	3.09E-01	7.94E-03	1.28E-05	3.06E-05	9.60E-05	8.08E-03	9.65E-03	2.95E-01	2.79E-03	3.28E-03	3.11E-01
631	490086.72	3859985.12	0.05215	0.50837	0.0125	0.06249	8.53E-03	3.94E-01	2.42E-03	4.60E-03	4.10E-01	8.40E-03	1.71E-05	2.65E-05	1.35E-04	8.58E-03	1.02E-02	3.94E-01	2.42E-03	4.60E-03	4.12E-01
632	490136.72	3859985.12	0.05195	0.4967	0.0126	0.06046	8.50E-03	3.85E-01	2.45E-03	4.45E-03	4.01E-01	8.37E-03	1.67E-05	2.69E-05	1.30E-04	8.54E-03	1.02E-02	3.85E-01	2.45E-03	4.45E-03	4.02E-01
633	490186.72	3859985.12	0.05176	0.48518	0.0128	0.05852	8.47E-03	3.76E-01	2.49E-03	4.31E-03	3.92E-01	8.34E-03	1.63E-05	2.73E-05	1.26E-04	8.51E-03	1.01E-02	3.76E-01	2.49E-03	4.31E-03	3.93E-01
634	490236.72	3859985.12	0.05153	0.47392	0.013	0.05667	8.43E-03	3.68E-01	2.52E-03	4.17E-03	3.83E-01	8.30E-03	1.59E-05	2.76E-05	1.22E-04	8.47E-03	1.01E-02	3.68E-01	2.52E-03	4.17E-03	3.84E-01
635	490286.72	3859985.12	0.05119	0.46325	0.0131	0.05501	8.37E-03	3.59E-01	2.55E-03	4.05E-03	3.74E-01	8.25E-03	1.56E-05	2.79E-05	1.18E-04	8.41E-03	1.00E-02	3.59E-01	2.55E-03	4.05E-03	3.76E-01
636	490336.72	3859985.12	0.05082	0.4529	0.0132	0.05347	8.31E-03	3.51E-01	2.57E-03	3.94E-03	3.66E-01	8.19E-03	1.52E-05	2.82E-05	1.15E-04	8.35E-03	9.94E-03	3.51E-01	2.57E-03	3.94E-03	3.68E-01
637	490386.72	3859985.12	0.05039	0.44296	0.0133	0.05206	8.24E-03	3.44E-01	2.58E-03	3.83E-03	3.58E-01	8.12E-03	1.49E-05	2.83E-05	1.12E-04	8.27E-03	9.86E-03	3.44E-01	2.58E-03	3.83E-03	3.60E-01
638	490436.72	3859985.12	0.04998	0.43318	0.0134	0.05068	8.17E-03	3.36E-01	2.59E-03	3.73E-03	3.51E-01	8.05E-03	1.46E-05	2.84E-05	1.09E-04	8.21E-03	9.78E-03	3.36E-01	2.59E-03	3.73E-03	3.52E-01
639	490486.72	3859985.12	0.04959	0.42364	0.0134	0.04935	8.11E-03	3.29E-01	2.60E-03	3.63E-03	3.43E-01	7.99E-03	1.42E-05	2.85E-05	1.06E-04	8.14E-03	9.70E-03	3.29E-01	2.60E-03	3.63E-03	3.45E-01
640	490536.72	3859985.12	0.04926	0.41432	0.0135	0.04804	8.06E-03	3.21E-01	2.61E-03	3.54E-03	3.36E-01	7.94E-03	1.39E-05	2.86E-05	1.03E-04	8.08E-03	9.64E-03	3.21E-01	2.61E-03	3.54E-03	3.37E-01
641	490586.72	3859985.12	0.049	0.40521	0.0135	0.04676	8.01E-03	3.14E-01	2.63E-03	3.44E-03	3.28E-01	7.90E-03	1.36E-05	2.88E-05	1.01E-04	8.04E-03	9.59E-03	3.14E-01	2.63E-03	3.44E-03	3.30E-01
642	490636.72	3859985.12	0.04881	0.39627	0.0136	0.04551	7.98E-03	3.07E-01	2.64E-03	3.35E-03	3.21E-01	7.86E-03	1.33E-05	2.90E-05	9.80E-05	8.01E-03	9.55E-03	3.07E-01	2.64E-03	3.35E-03	3.23E-01
643	490686.72	3859985.12	0.04873	0.38678	0.0138	0.04425	7.97E-03	3.00E-01	2.68E-03	3.26E-03	3.14E-01	7.85E-03	1.30E-05	2.93E-05	9.53E-05	7.99E-03	9.54E-03	3.00E-01	2.68E-03	3.26E-03	3.16E-01
644	490736.72	3859985.12	0.0485	0.37869	0.0138	0.04322	7.93E-03	2.94E-01	2.68E-03	3.18E-03	3.08E-01	7.81E-03	1.27E-05	2.94E-05	9.30E-05	7.95E-03	9.49E-03	2.94E-01	2.68E-03	3.18E-03	3.09E-01
645	490786.72	3859985.12	0.04826	0.37089	0.0139	0.04226	7.89E-03	2.88E-01	2.70E-03	3.11E-03	3.01E-01	7.78E-03	1.25E-05	2.96E-05	9.10E-05	7.91E-03	9.44E-03	2.88E-01	2.70E-03	3.11E-03	3.03E-01
646	490086.72	3860035.12	0.0512	0.50882	0.012	0.05971	8.37E-03	3.95E-01	2.33E-03	4.40E-03	4.10E-01	8.25E-03	1.71E-05	2.56E-05	1.29E-04	8.42E-03	1.00E-02	3.95E-01	2.33E-03	4.40E-03	4.11E-01
647	490136.72	3860035.12	0.05109	0.4965	0.0122	0.05783	8.36E-03	3.85E-01	2.36E-03	4.26E-03	4.00E-01	8.23E-03	1.67E-05	2.59E-05	1.24E-04	8.40E-03	1.00E-02	3.85E-01	2.36E-03	4.26E-03	4.02E-01
648	490186.72	3860035.12	0.05093	0.48453	0.0124	0.05604	8.33E-03	3.76E-01	2.40E-03	4.13E-03	3.91E-01	8.21E-03	1.63E-05	2.63E-05	1.21E-04	8.37E-03	9.97E-03	3.76E-01	2.40E-03	4.13E-03	3.92E-01
649	490236.72	3860035.12	0.05072	0.47294	0.0125	0.05437	8.30E-03	3.67E-01	2.43E-03	4.00E-03	3.82E-01	8.17E-03	1.59E-05	2.66E-05	1.17E-04	8.33E-03	9.92E-03	3.67E-01	2.43E-03	4.00E-03	3.83E-01
650	490286.72	3860035.12	0.05044	0.46184	0.0127	0.05283	8.25E-03	3.58E-01	2.46E-03	3.89E-03	3.73E-01	8.13E-03	1.55E-05	2.69E-05	1.14E-04	8.28E-03	9.87E-03	3.58E-01	2.46E-03	3.89E-03	3.74E-01
651	490336.72	3860035.12	0.05017	0.45096	0.0128	0.05131	8.21E-03	3.50E-01	2.49E-03	3.78E-03	3.64E-01	8.08E-03	1.51E-05	2.73E-05	1.10E-04	8.24E-03	9.82E-03	3.50E-01	2.49E-03	3.78E-03	3.66E-01
652	490386.72	3860035.12	0.04977	0.4407	0.0129	0.04999	8.14E-03	3.42E-01	2.50E-03	3.68E-03	3.56E-01	8.02E-03	1.48E-05	2.74E-05	1.08E-04	8.17E-03	9.74E-03	3.42E-01	2.50E-03	3.68E-03	3.58E-01
653	490436.72	3860035.12	0.04938	0.43069	0.013	0.04871	8.08E-03	3.34E-01	2.51E-03	3.59E-03	3.48E-01	7.96E-03	1.45E-05	2.76E-05	1.05E-04	8.10E-03	9.66E-03	3.34E-01	2.51E-03	3.59E-03	3.50E-01
654	490486.72	3860035.12	0.049	0.42096	0.013	0.04748	8.01E-03	3.27E-01	2.52E-03	3.50E-03	3.41E-01	7.90E-03	1.41E-05	2.77E-05	1.02E-04	8.04E-03	9.59E-03	3.27E-01	2.52E-03	3.50E-03	3.42E-01
655	490536.72	3860035.12	0.04865	0.4115	0.0131	0.04627	7.96E-03	3.19E-01	2.54E-03	3.41E-03	3.33E-01	7.84E-03	1.38E-05	2.78E-05	9.96E-05	7.98E-03	9.52E-03	3.19E-01	2.54E-03	3.41E-03	3.35E-01
656	490586.72	3860035.12	0.0483	0.40236	0.0131	0.04512	7.90E-03	3.12E-01	2.54E-03	3.32E-03	3.26E-01	7.78E-03	1.35E-05	2.79E-05	9.71E-05	7.92E-03	9.45E-03	3.12E-01	2.54E-03	3.32E-03	3.27E-01
657	490636.72	3860035.12	0.04794	0.3936	0.0131	0.04407	7.84E-03	3.05E-01	2.55E-03	3.24E-03	3.19E-01	7.72E-03	1.32E-05	2.79E-05	9.49E-05	7.86E-03	9.38E-03	3.05E-01	2.55E-03	3.24E-03	3.21E-01
658	490686.72	3860035.12	0.04774	0.38497	0.0132	0.04298	7.81E-03	2.99E-01	2.56E-03	3.16E-03	3.12E-01	7.69E-03	1.29E-05	2.81E-05	9.25E-05	7.83E-03	9.34E-03	2.99E-01	2.56E-03	3.16E-03	3.14E-01
659	490736.72	3860035.12	0.04768	0.3763	0.0134	0.0418	7.80E-03	2.92E-01	2.59E-03	3.08E-03	3.05E-01	7.68E-03	1.26E-05	2.84E-05	9.00E-05	7.81E-03	9.33E-03	2.92E-01	2.59E-03	3.08E-03	3.07E-01
660	490786.72	3860035.12	0.04745	0.36837	0.0134	0.04088	7.76E-03	2.86E-01	2.60E-03	3.01E-03	2.99E-01	7.65E-03	1.24E-05	2.85E-05	8.80E-05	7.77E-03	9.29E-03	2.86E-01	2.60E-03	3.01E-03	3.01E-01
661	490836.72	3860035.12	0.0472	0.36078	0.0134	0.04002	7.72E-03	2.80E-01	2.60E-03	2.95E-03	2.93E-01	7.61E-03	1.21E-05	2.86E-05	8.62E-05	7.73E-03	9.24E-03	2.80E-01	2.60E-03	2.95E-03	2.95E-01
662	490086.72	3860085.12	0.05033	0.50701	0.0117	0.05661	8.23E-03	3.93E-01	2.27E-03	4.17E-03	4.08E-01	8.11E-03	1.70E-05	2.49E-05	1.22E-04	8.27E-03	9.85E-03	3.93E-01	2.27E-03	4.17E-03	4.10E-01
663	490136.72	3860085.12	0.05015	0.49591	0.0118	0.05503	8.20E-03	3.85E-01	2.29E-03	4.05E-03	3.99E-01	8.08E-03	1.67E-05	2.51E-05	1.18E-04	8.24E-03	9.81E-03	3.85E-01	2.29E-03	4.05E-03	4.01E-01
664	490186.72	3860085.12	0.05011	0.48311	0.012	0.05335	8.20E-03	3.75E-01	2.32E-03	3.93E-03	3.89E-01	8.07E-03	1.62E-05	2.55E-05	1.15E-04	8.23E-03	9.81E-03	3.75E-01	2.32E-03	3.93E-03	3.91E-01
665	490236.72	3860085.12	0.04994	0.4711	0.0121	0.05182	8.17E-03	3.65E-01	2.35E-03	3.82E-03	3.80E-01	8.05E-03	1.58E-05	2.58E-05	1.12E-04	8.20E-03	9.77E-03	3.65E-01	2.35E-03	3.82E-03	3.81E-01
666	490286.72	3860085.12	0.04973	0.45954	0.0123	0.05039	8.13E-03	3.56E-01	2.38E-03	3.71E-03	3.71E-01	8.01E-03	1.54E-05	2.61E-05	1.08E-04	8.16E-03	9.73E-03	3.56E-01	2.38E-03	3.71E-03	3.72E-01
667	490336.72	3860085.12	0.04943	0.44848	0.0124	0.04907	8.08E-03	3.48E-01	2.40E-03	3.61E-03	3.62E-01	7.96E-03	1.51E-05	2.63E-05	1.06E-04	8.11E-03	9.67E-03	3.48E-01	2.40E-03	3.61E-03	3.64E-01

668	490386.72	3860085.12	0.04912	0.43779	0.0125	0.0478	8.03E-03	3.40E-01	2.42E-03	3.52E-03	3.54E-01	7.91E-03	1.47E-05	2.66E-05	1.03E-04	8.06E-03	9.61E-03	3.40E-01	2.42E-03	3.52E-03	3.55E-01
669	490436.72	3860085.12	0.04877	0.42748	0.0126	0.04662	7.98E-03	3.32E-01	2.44E-03	3.43E-03	3.45E-01	7.86E-03	1.44E-05	2.67E-05	1.00E-04	8.00E-03	9.54E-03	3.32E-01	2.44E-03	3.43E-03	3.47E-01
670	490486.72	3860085.12	0.04838	0.41756	0.0126	0.04545	7.91E-03	3.24E-01	2.45E-03	3.35E-03	3.38E-01	7.80E-03	1.40E-05	2.69E-05	9.78E-05	7.93E-03	9.47E-03	3.24E-01	2.45E-03	3.35E-03	3.39E-01
671	490536.72	3860085.12	0.04803	0.40794	0.0127	0.04433	7.86E-03	3.16E-01	2.46E-03	3.26E-03	3.30E-01	7.74E-03	1.37E-05	2.70E-05	9.54E-05	7.88E-03	9.40E-03	3.16E-01	2.46E-03	3.26E-03	3.32E-01
672	490586.72	3860085.12	0.04769	0.39867	0.0128	0.04327	7.80E-03	3.09E-01	2.47E-03	3.19E-03	3.23E-01	7.68E-03	1.34E-05	2.71E-05	9.31E-05	7.82E-03	9.33E-03	3.09E-01	2.47E-03	3.19E-03	3.24E-01
673	490636.72	3860085.12	0.0473	0.38977	0.0128	0.04226	7.74E-03	3.02E-01	2.48E-03	3.11E-03	3.16E-01	7.62E-03	1.31E-05	2.72E-05	9.10E-05	7.75E-03	9.26E-03	3.02E-01	2.48E-03	3.11E-03	3.17E-01
674	490686.72	3860085.12	0.04702	0.38114	0.0128	0.04132	7.69E-03	2.96E-01	2.49E-03	3.04E-03	3.09E-01	7.58E-03	1.28E-05	2.73E-05	8.90E-05	7.71E-03	9.20E-03	2.96E-01	2.49E-03	3.04E-03	3.10E-01
675	490736.72	3860085.12	0.04681	0.37277	0.0129	0.04036	7.66E-03	2.89E-01	2.50E-03	2.97E-03	3.02E-01	7.54E-03	1.25E-05	2.74E-05	8.69E-05	7.67E-03	9.16E-03	2.89E-01	2.50E-03	2.97E-03	3.04E-01
676	490786.72	3860085.12	0.04664	0.36467	0.0129	0.03943	7.63E-03	2.83E-01	2.51E-03	2.90E-03	2.96E-01	7.52E-03	1.22E-05	2.75E-05	8.49E-05	7.64E-03	9.13E-03	2.83E-01	2.51E-03	2.90E-03	2.97E-01
677	490836.72	3860085.12	0.04638	0.357	0.013	0.03862	7.59E-03	2.77E-01	2.51E-03	2.84E-03	2.90E-01	7.47E-03	1.20E-05	2.75E-05	8.31E-05	7.60E-03	9.08E-03	2.77E-01	2.51E-03	2.84E-03	2.91E-01
678	490086.72	3860135.12	0.04903	0.50881	0.0113	0.05385	8.02E-03	3.95E-01	2.19E-03	3.96E-03	4.09E-01	7.90E-03	1.71E-05	2.40E-05	1.16E-04	8.06E-03	9.59E-03	3.95E-01	2.19E-03	3.96E-03	4.10E-01
679	490136.72	3860135.12	0.04912	0.49466	0.0114	0.05219	8.03E-03	3.84E-01	2.21E-03	3.84E-03	3.98E-01	7.91E-03	1.66E-05	2.42E-05	1.12E-04	8.07E-03	9.61E-03	3.84E-01	2.21E-03	3.84E-03	3.99E-01
680	490186.72	3860135.12	0.04915	0.48119	0.0116	0.05063	8.04E-03	3.73E-01	2.24E-03	3.73E-03	3.87E-01	7.92E-03	1.62E-05	2.46E-05	1.09E-04	8.07E-03	9.62E-03	3.73E-01	2.24E-03	3.73E-03	3.89E-01
681	490236.72	3860135.12	0.04905	0.4686	0.0117	0.04924	8.02E-03	3.63E-01	2.27E-03	3.63E-03	3.77E-01	7.90E-03	1.57E-05	2.49E-05	1.06E-04	8.05E-03	9.60E-03	3.64E-01	2.27E-03	3.63E-03	3.79E-01
682	490286.72	3860135.12	0.04892	0.45649	0.0119	0.0479	8.00E-03	3.54E-01	2.30E-03	3.53E-03	3.68E-01	7.88E-03	1.53E-05	2.52E-05	1.03E-04	8.03E-03	9.57E-03	3.54E-01	2.30E-03	3.53E-03	3.70E-01
683	490336.72	3860135.12	0.04871	0.44493	0.012	0.04665	7.97E-03	3.45E-01	2.32E-03	3.43E-03	3.59E-01	7.85E-03	1.49E-05	2.55E-05	1.00E-04	7.99E-03	9.53E-03	3.45E-01	2.32E-03	3.43E-03	3.60E-01
684	490386.72	3860135.12	0.04843	0.43392	0.0121	0.04549	7.92E-03	3.37E-01	2.35E-03	3.35E-03	3.50E-01	7.80E-03	1.46E-05	2.57E-05	9.79E-05	7.94E-03	9.48E-03	3.37E-01	2.35E-03	3.35E-03	3.52E-01
685	490436.72	3860135.12	0.0481	0.42337	0.0122	0.04439	7.87E-03	3.28E-01	2.37E-03	3.27E-03	3.42E-01	7.75E-03	1.42E-05	2.59E-05	9.56E-05	7.89E-03	9.41E-03	3.28E-01	2.37E-03	3.27E-03	3.43E-01
686	490486.72	3860135.12	0.04777	0.41321	0.0123	0.04328	7.81E-03	3.21E-01	2.38E-03	3.19E-03	3.34E-01	7.70E-03	1.39E-05	2.61E-05	9.32E-05	7.83E-03	9.35E-03	3.21E-01	2.38E-03	3.19E-03	3.35E-01
687	490536.72	3860135.12	0.04746	0.40342	0.0124	0.04224	7.76E-03	3.13E-01	2.40E-03	3.11E-03	3.26E-01	7.65E-03	1.36E-05	2.63E-05	9.09E-05	7.78E-03	9.29E-03	3.13E-01	2.40E-03	3.11E-03	3.28E-01
688	490586.72	3860135.12	0.0471	0.39404	0.0124	0.04125	7.70E-03	3.06E-01	2.41E-03	3.04E-03	3.19E-01	7.59E-03	1.32E-05	2.64E-05	8.88E-05	7.72E-03	9.22E-03	3.06E-01	2.41E-03	3.04E-03	3.20E-01
689	490636.72	3860135.12	0.04673	0.38501	0.0124	0.04031	7.64E-03	2.99E-01	2.41E-03	2.97E-03	3.12E-01	7.53E-03	1.29E-05	2.64E-05	8.68E-05	7.66E-03	9.14E-03	2.99E-01	2.41E-03	2.97E-03	3.13E-01
690	490686.72	3860135.12	0.04636	0.37631	0.0125	0.03941	7.58E-03	2.92E-01	2.42E-03	2.90E-03	3.05E-01	7.47E-03	1.26E-05	2.65E-05	8.48E-05	7.59E-03	9.07E-03	2.92E-01	2.42E-03	2.90E-03	3.06E-01
691	490736.72	3860135.12	0.04606	0.36802	0.0125	0.03857	7.53E-03	2.85E-01	2.42E-03	2.84E-03	2.98E-01	7.42E-03	1.24E-05	2.65E-05	8.30E-05	7.54E-03	9.01E-03	2.85E-01	2.42E-03	2.84E-03	3.00E-01
692	490786.72	3860135.12	0.04585	0.36004	0.0125	0.03781	7.50E-03	2.79E-01	2.43E-03	2.78E-03	2.92E-01	7.39E-03	1.21E-05	2.66E-05	8.14E-05	7.51E-03	8.97E-03	2.79E-01	2.43E-03	2.78E-03	2.93E-01
693	490836.72	3860135.12	0.04558	0.35233	0.0125	0.03704	7.46E-03	2.73E-01	2.43E-03	2.73E-03	2.86E-01	7.34E-03	1.18E-05	2.66E-05	7.97E-05	7.46E-03	8.92E-03	2.73E-01	2.43E-03	2.73E-03	2.87E-01
694	490086.72	3860185.12	0.04789	0.50718	0.0109	0.05089	7.83E-03	3.93E-01	2.12E-03	3.75E-03	4.07E-01	7.72E-03	1.70E-05	2.33E-05	1.10E-04	7.87E-03	9.37E-03	3.93E-01	2.12E-03	3.75E-03	4.09E-01
695	490136.72	3860185.12	0.04807	0.49203	0.0111	0.0493	7.86E-03	3.82E-01	2.14E-03	3.63E-03	3.95E-01	7.75E-03	1.65E-05	2.35E-05	1.06E-04	7.89E-03	9.41E-03	3.82E-01	2.14E-03	3.63E-03	3.97E-01
696	490186.72	3860185.12	0.04815	0.47788	0.0112	0.04785	7.88E-03	3.71E-01	2.17E-03	3.52E-03	3.84E-01	7.76E-03	1.61E-05	2.38E-05	1.03E-04	7.90E-03	9.42E-03	3.71E-01	2.17E-03	3.52E-03	3.86E-01
697	490236.72	3860185.12	0.04813	0.46467	0.0113	0.04655	7.87E-03	3.60E-01	2.20E-03	3.43E-03	3.74E-01	7.76E-03	1.56E-05	2.41E-05	1.00E-04	7.90E-03	9.42E-03	3.60E-01	2.20E-03	3.43E-03	3.76E-01
698	490286.72	3860185.12	0.04804	0.45214	0.0115	0.04533	7.86E-03	3.51E-01	2.22E-03	3.34E-03	3.64E-01	7.74E-03	1.52E-05	2.43E-05	9.76E-05	7.88E-03	9.40E-03	3.51E-01	2.22E-03	3.34E-03	3.66E-01
699	490336.72	3860185.12	0.0479	0.44023	0.0116	0.04419	7.83E-03	3.41E-01	2.25E-03	3.25E-03	3.55E-01	7.72E-03	1.48E-05	2.46E-05	9.51E-05	7.85E-03	9.37E-03	3.42E-01	2.25E-03	3.25E-03	3.56E-01
700	490386.72	3860185.12	0.0477	0.42888	0.0117	0.04311	7.80E-03	3.33E-01	2.27E-03	3.17E-03	3.46E-01	7.69E-03	1.44E-05	2.49E-05	9.28E-05	7.82E-03	9.33E-03	3.33E-01	2.27E-03	3.17E-03	3.47E-01
701	490436.72	3860185.12	0.04743	0.41807	0.0118	0.04205	7.76E-03	3.24E-01	2.29E-03	3.10E-03	3.37E-01	7.64E-03	1.40E-05	2.52E-05	9.05E-05	7.77E-03	9.28E-03	3.24E-01	2.29E-03	3.10E-03	3.39E-01
702	490486.72	3860185.12	0.04714	0.40772	0.0119	0.04103	7.71E-03	3.16E-01	2.31E-03	3.02E-03	3.29E-01	7.60E-03	1.37E-05	2.53E-05	8.83E-05	7.72E-03	9.22E-03	3.16E-01	2.31E-03	3.02E-03	3.31E-01
703	490536.72	3860185.12	0.04685	0.39778	0.012	0.04007	7.66E-03	3.09E-01	2.33E-03	2.95E-03	3.21E-01	7.55E-03	1.34E-05	2.55E-05	8.63E-05	7.67E-03	9.17E-03	3.09E-01	2.33E-03	2.95E-03	3.23E-01
704	490586.72	3860185.12	0.04655	0.38834	0.0121	0.03917	7.61E-03	3.01E-01	2.34E-03	2.88E-03	3.14E-01	7.50E-03	1.30E-05	2.57E-05	8.43E-05	7.62E-03	9.11E-03	3.01E-01	2.34E-03	2.88E-03	3.16E-01
705	490636.72	3860185.12	0.04617	0.37917	0.0121	0.03827	7.55E-03	2.94E-01	2.35E-03	2.82E-03	3.07E-01	7.44E-03	1.27E-05	2.58E-05	8.24E-05	7.56E-03	9.03E-03	2.94E-01	2.35E-03	2.82E-03	3.08E-01
706	490686.72	3860185.12	0.04583	0.3705	0.0122	0.03746	7.50E-03	2.87E-01	2.36E-03	2.76E-03	3.00E-01	7.38E-03	1.24E-05	2.59E-05	8.06E-05	7.50E-03	8.97E-03	2.87E-01	2.36E-03	2.76E-03	3.01E-01
707	490736.72	3860185.12	0.04544	0.36205	0.0122	0.0366	7.43E-03	2.81E-01	2.36E-03	2.69E-03	2.93E-01	7.32E-03	1.22E-05	2.59E-05	7.88E-05	7.44E-03	8.89E-03	2.81E-01	2.36E-03	2.69E-03	2.95E-01
708	490786.72	3860185.12	0.04514	0.35412	0.0122	0.03588	7.38E-03	2.75E-01	2.36E-03	2.64E-03	2.87E-01	7.27E-03	1.19E-05	2.59E-05	7.72E-05	7.39E-03	8.83E-03	2.75E-01	2.36E-03	2.64E-03	2.89E-01
709	490836.72	3860185.12	0.04486	0.34648	0.0122	0.0352	7.34E-03	2.69E-01	2.36E-03	2.59E-03	2.81E-01	7.23E-03	1.16E-05	2.59E-05	7.58E-05	7.34E-03	8.78E-03	2.69E-01	2.36E-03	2.59E-03	2.83E-01
710	490086.72	3860235.12	0.04678	0.50319	0.0107	0.04784	7.65E-03	3.90E-01	2.07E-03	3.52E-03	4.04E-01	7.54E-03	1.69E-05	2.27E-05	1.03E-04	7.68E-03	9.15E-03	3.90E-01	2.07E-03	3.52E-03	4.05E-01
711	490136.72	3860235.12	0.04698	0.48746	0.0108	0.04641	7.68E-03	3.78E-01	2.09E-03	3.42E-03	3.91E-01	7.57E-03	1.64E-05	2.29E-05	9.99E-05	7.71E-03	9.19E-03	3.78E-01	2.09E-03	3.42E-03	3.93E-01
712	490186.72	3860235.12	0.04712	0.47272	0.0109	0.04508	7.71E-03	3.67E-01	2.11E-03	3.32E-03	3.80E-01	7.59E-03	1.59E-05	2.31E-05	9.70E-05	7.73E-03	9.22E-03	3.67E-01	2.11E-03	3.32E-03	3.81E-01
713	490236.72	3860235.12	0.04717	0.45898	0.011	0.04386	7.72E-03	3.56E-01	2.13E-03	3.23E-03	3.69E-01	7.60E-03	1.54E-05	2.33E-05	9.44E-05	7.73E-03	9.23E-03	3.56E-01	2.13E-03	3.23E-03	3.71E-01
714	490286.72	3860235.12	0.04714	0.44607	0.0111	0.04274	7.71E-03	3.46E-01	2.15E-03	3.15E-03	3.59E-01	7.60E-03	1.50E-05	2.36E-05	9.20E-05	7.73E-03	9.22E-03	3.46E-01	2.15E-03	3.15E-03	3.61E-01
715	490336.72	3860235.12	0.04707	0.43387	0.0112	0.04168	7.70E-03	3.37E-01	2.18E-03	3.07E-03	3.49E-01	7.58E-03	1.46E-05	2.39E-05	8.97E-05	7.71E-03	9.21E-03	3.37E-01	2.18E-03	3.07E-03	3.51E-01
716	490386.72	3860235.12	0.04693	0.42232	0.0113	0.04068	7.68E-03	3.28E-01	2.20E-03	3.00E-03	3.40E-01	7.56E-03	1.42E-05	2.41E-05	8.76E-05	7.69E-03	9.18E-03	3.28E-01	2.20E-03	3.00E-03	3.42E-01
717	490436.72	3860235.12	0.04675	0.41136	0.0115	0.0397	7.65E-03	3.19E-01	2.22E-03	2.92E-03	3.32E-01	7.53E-03	1.38E-05	2.44E-05	8.55E-05	7.66E-03	9.15E-03	3.19E-01	2.22E-03	2.92E-03	3.33E-01
718	490486.72	3860235.12	0.04649	0.40091	0.0116	0.03876	7.60E-03	3.11E-01	2.24E-03	2.85E-03	3.24E-01	7.49E-03	1.35E-05	2.46E-05	8.34E-05	7.61E-03	9.10E-03	3.11E-01	2.24E-03	2.85E-03	3.25E-01
719	490536.72	3860235.12	0.04623	0.3909	0.0117	0.03788	7.56E-03	3.03E-01	2.26E-03	2.79E-03	3.16E-01	7.45E-03	1.31E-05	2.48E-05	8.15E-05	7.57E-03	9.05E-03	3.03E-01	2.26E-03	2.79E-03	3.17E-01
720	490586.72	3860235.12	0.04595	0.3814	0.0118	0.03703	7.52E-03	2.96E-01	2.28E-03	2.73E-03	3.08E-01	7.40E-03	1.28E-05	2.50E-05	7.97E-05	7.52E-03	8.99E-03	2.96E-01	2.28E-03	2.73E-03	3.10E-01
721	490636.72	3860235.12	0.04564	0.37232	0.0118	0.03622	7.46E-03	2.89E-01	2.29E-03	2.67E-03	3.01E-01	7.35E-03	1.25E-05	2.51E-05	7.80E-05	7.47E-03	8.93E-03	2.89E-01	2.29E-03	2.67E-03	3.03E-01
722	490686.72	3860235.12	0.04529	0.36365	0.0119	0.03545	7.41E-03	2.82E-01	2.30E-03	2.61E-03	2.94E-01	7.30E-03	1.22E-05	2.52E-05	7.63E-05	7.41E-03	8.86E-03	2.82E-01	2.30E-03	2.61E-03	2.96E-01
723	490736.72	3860235.12	0.04492	0.35532	0.0119	0.03469	7.35E-03	2.76E-01	2.30E-03	2.55E-03	2.88E-01	7.24E-03	1.19E-05	2.53E-05	7.47E-05	7.35E-03	8.79E-03	2.76E-01	2.30E-03	2.55E-03	2.89E-01
724	490786.72	3860235.12	0.04456	0.34732	0.0119	0.03396	7.29E-03	2.69E-01	2.31E-03	2.50E-03	2.82E-01	7.18E-03	1.17E-05	2.53E-05	7.31E-05	7.29E-03	8.72E-03	2.69E-01	2.31E-03	2.50E-03	2.83E-01
725	490086.72	3860285.12	0.04564	0.49647	0.0104	0.04477	7.46E-03	3.85E-01	2.02E-03	3.30E-03	3.98E-01	7.35E-03	1.67E-05	2.22E-05	9.64E-05	7.49E-03	8.93E-03	3.85E-01	2.02E-03	3.30E-03	3.99E-01
726	490136.72	3860285.12	0.04587	0.48024	0.0105	0.04348	7.50E-03	3.73E-01	2.03E-03	3.20E-03	3.85E-01	7.39E-03	1.61E-05	2.23E-05	9.36E-05	7.52E-03	8.98E-03	3.73E-01	2.03E-03	3.20E-03	3.87E-01
727	490186.72	3860285.12	0.04604	0.4652	0.0106	0.0423	7.53E-03	3.61E-01	2.05E-03	3.11E-03	3.74E-01	7.42E-03	1.56E-05	2.25E-05	9.11E-05	7.55E-03	9.01E-03	3.61E-01	2.05E-03	3.11E-03	3.75E-01
728	490236.72	3860285.12	0.04618	0.45111	0.0107	0.04118	7.55E-03	3.50E-01	2.07E-03	3.03E-03	3.63E-01	7.44E-03	1.52E-05	2.27E-05	8.87E-05	7.57E-03	9.04E-03	3.50E-01	2.07E-03	3.03E-03	3.64E-01

729	490286.72	3860285.12	0.04621	0.43803	0.0108	0.04017	7.56E-03	3.40E-01	2.09E-03	2.96E-03	3.52E-01	7.45E-03	1.47E-05	2.29E-05	8.65E-05	7.57E-03	9.04E-03	3.40E-01	2.09E-03	2.96E-03	3.54E-01
730	490336.72	3860285.12	0.04618	0.42571	0.0109	0.03921	7.55E-03	3.30E-01	2.11E-03	2.89E-03	3.43E-01	7.44E-03	1.43E-05	2.31E-05	8.44E-05	7.56E-03	9.04E-03	3.30E-01	2.11E-03	2.89E-03	3.44E-01
731	490386.72	3860285.12	0.04612	0.41408	0.011	0.03827	7.54E-03	3.21E-01	2.13E-03	2.82E-03	3.34E-01	7.43E-03	1.39E-05	2.34E-05	8.24E-05	7.55E-03	9.02E-03	3.21E-01	2.13E-03	2.82E-03	3.35E-01
732	490436.72	3860285.12	0.04599	0.40311	0.0111	0.03738	7.52E-03	3.13E-01	2.15E-03	2.75E-03	3.25E-01	7.41E-03	1.35E-05	2.36E-05	8.05E-05	7.53E-03	9.00E-03	3.13E-01	2.15E-03	2.75E-03	3.27E-01
733	490486.72	3860285.12	0.04582	0.39266	0.0112	0.03653	7.49E-03	3.05E-01	2.18E-03	2.69E-03	3.17E-01	7.38E-03	1.32E-05	2.39E-05	7.86E-05	7.50E-03	8.97E-03	3.05E-01	2.18E-03	2.69E-03	3.18E-01
734	490536.72	3860285.12	0.04558	0.38265	0.0113	0.0357	7.46E-03	2.97E-01	2.20E-03	2.63E-03	3.09E-01	7.34E-03	1.29E-05	2.41E-05	7.69E-05	7.46E-03	8.92E-03	2.97E-01	2.20E-03	2.63E-03	3.11E-01
735	490586.72	3860285.12	0.04532	0.37316	0.0114	0.03488	7.41E-03	2.89E-01	2.22E-03	2.57E-03	3.02E-01	7.30E-03	1.25E-05	2.43E-05	7.51E-05	7.41E-03	8.87E-03	2.89E-01	2.22E-03	2.57E-03	3.03E-01
736	490636.72	3860285.12	0.04504	0.36419	0.0115	0.03413	7.37E-03	2.83E-01	2.23E-03	2.51E-03	2.95E-01	7.26E-03	1.22E-05	2.45E-05	7.35E-05	7.37E-03	8.81E-03	2.83E-01	2.23E-03	2.51E-03	2.96E-01
737	490686.72	3860285.12	0.04475	0.3557	0.0116	0.03345	7.32E-03	2.76E-01	2.24E-03	2.46E-03	2.88E-01	7.21E-03	1.19E-05	2.46E-05	7.20E-05	7.32E-03	8.76E-03	2.76E-01	2.24E-03	2.46E-03	2.89E-01
738	490736.72	3860285.12	0.04441	0.34752	0.0116	0.03277	7.26E-03	2.70E-01	2.25E-03	2.41E-03	2.81E-01	7.16E-03	1.17E-05	2.47E-05	7.05E-05	7.26E-03	8.69E-03	2.70E-01	2.25E-03	2.41E-03	2.83E-01
739	490786.72	3860285.12	0.04406	0.33975	0.0116	0.03214	7.21E-03	2.64E-01	2.26E-03	2.37E-03	2.75E-01	7.10E-03	1.14E-05	2.47E-05	6.92E-05	7.20E-03	8.62E-03	2.64E-01	2.26E-03	2.37E-03	2.77E-01
740	490086.72	3860335.12	0.0445	0.48648	0.0102	0.04162	7.28E-03	3.77E-01	1.98E-03	3.06E-03	3.90E-01	7.17E-03	1.63E-05	2.17E-05	8.96E-05	7.30E-03	8.71E-03	3.77E-01	1.98E-03	3.06E-03	3.91E-01
741	490136.72	3860335.12	0.04476	0.47008	0.0103	0.04049	7.32E-03	3.65E-01	1.99E-03	2.98E-03	3.77E-01	7.21E-03	1.58E-05	2.18E-05	8.72E-05	7.34E-03	8.76E-03	3.65E-01	1.99E-03	2.98E-03	3.78E-01
742	490186.72	3860335.12	0.04496	0.45497	0.0103	0.03947	7.35E-03	3.53E-01	2.00E-03	2.91E-03	3.65E-01	7.24E-03	1.53E-05	2.19E-05	8.50E-05	7.37E-03	8.80E-03	3.53E-01	2.00E-03	2.91E-03	3.67E-01
743	490236.72	3860335.12	0.04516	0.44086	0.0104	0.03848	7.39E-03	3.42E-01	2.01E-03	2.83E-03	3.54E-01	7.28E-03	1.48E-05	2.21E-05	8.28E-05	7.40E-03	8.84E-03	3.42E-01	2.01E-03	2.83E-03	3.56E-01
744	490286.72	3860335.12	0.04525	0.42781	0.0105	0.03759	7.40E-03	3.32E-01	2.03E-03	2.77E-03	3.44E-01	7.29E-03	1.44E-05	2.23E-05	8.09E-05	7.41E-03	8.85E-03	3.32E-01	2.03E-03	2.77E-03	3.46E-01
745	490336.72	3860335.12	0.04527	0.41558	0.0106	0.03673	7.40E-03	3.22E-01	2.05E-03	2.70E-03	3.35E-01	7.29E-03	1.40E-05	2.24E-05	7.91E-05	7.41E-03	8.86E-03	3.22E-01	2.05E-03	2.70E-03	3.36E-01
746	490386.72	3860335.12	0.04526	0.40407	0.0107	0.0359	7.40E-03	3.13E-01	2.07E-03	2.64E-03	3.26E-01	7.29E-03	1.36E-05	2.27E-05	7.73E-05	7.41E-03	8.86E-03	3.13E-01	2.07E-03	2.64E-03	3.27E-01
747	490436.72	3860335.12	0.04519	0.3932	0.0108	0.03511	7.39E-03	3.05E-01	2.09E-03	2.58E-03	3.17E-01	7.28E-03	1.32E-05	2.29E-05	7.56E-05	7.39E-03	8.84E-03	3.05E-01	2.09E-03	2.58E-03	3.19E-01
748	490486.72	3860335.12	0.04507	0.38286	0.0109	0.03434	7.37E-03	2.97E-01	2.11E-03	2.53E-03	3.09E-01	7.26E-03	1.29E-05	2.32E-05	7.39E-05	7.37E-03	8.82E-03	2.97E-01	2.11E-03	2.53E-03	3.10E-01
749	490536.72	3860335.12	0.04492	0.37313	0.011	0.03361	7.35E-03	2.89E-01	2.13E-03	2.47E-03	3.01E-01	7.24E-03	1.25E-05	2.34E-05	7.24E-05	7.35E-03	8.79E-03	2.89E-01	2.13E-03	2.47E-03	3.03E-01
750	490586.72	3860335.12	0.0447	0.3638	0.0111	0.03285	7.31E-03	2.82E-01	2.15E-03	2.42E-03	2.94E-01	7.20E-03	1.22E-05	2.36E-05	7.07E-05	7.31E-03	8.75E-03	2.82E-01	2.15E-03	2.42E-03	2.96E-01
751	490636.72	3860335.12	0.04446	0.35501	0.0112	0.03216	7.27E-03	2.75E-01	2.17E-03	2.37E-03	2.87E-01	7.16E-03	1.19E-05	2.38E-05	6.92E-05	7.27E-03	8.70E-03	2.75E-01	2.17E-03	2.37E-03	2.89E-01
752	490686.72	3860335.12	0.04418	0.34667	0.0113	0.03152	7.23E-03	2.69E-01	2.19E-03	2.32E-03	2.81E-01	7.12E-03	1.16E-05	2.40E-05	6.79E-05	7.22E-03	8.65E-03	2.69E-01	2.19E-03	2.32E-03	2.82E-01
753	490736.72	3860335.12	0.04388	0.33874	0.0113	0.03091	7.18E-03	2.63E-01	2.20E-03	2.28E-03	2.74E-01	7.07E-03	1.14E-05	2.41E-05	6.65E-05	7.17E-03	8.59E-03	2.63E-01	2.20E-03	2.28E-03	2.76E-01
754	490786.72	3860335.12	0.04359	0.33132	0.0114	0.03039	7.13E-03	2.57E-01	2.21E-03	2.24E-03	2.69E-01	7.02E-03	1.11E-05	2.42E-05	6.54E-05	7.12E-03	8.53E-03	2.57E-01	2.21E-03	2.24E-03	2.70E-01
755	490086.72	3860385.12	0.0434	0.47301	0.01	0.03843	7.10E-03	3.67E-01	1.94E-03	2.83E-03	3.79E-01	6.99E-03	1.59E-05	2.13E-05	8.27E-05	7.11E-03	8.49E-03	3.67E-01	1.94E-03	2.83E-03	3.80E-01
756	490136.72	3860385.12	0.04367	0.45686	0.0101	0.03748	7.14E-03	3.54E-01	1.95E-03	2.76E-03	3.66E-01	7.04E-03	1.53E-05	2.14E-05	8.07E-05	7.15E-03	8.55E-03	3.54E-01	1.95E-03	2.76E-03	3.68E-01
757	490186.72	3860385.12	0.04386	0.44204	0.0101	0.03662	7.17E-03	3.43E-01	1.96E-03	2.70E-03	3.55E-01	7.07E-03	1.48E-05	2.15E-05	7.88E-05	7.18E-03	8.58E-03	3.43E-01	1.96E-03	2.70E-03	3.56E-01
758	490236.72	3860385.12	0.04408	0.42825	0.0101	0.03579	7.21E-03	3.32E-01	1.97E-03	2.64E-03	3.44E-01	7.10E-03	1.44E-05	2.16E-05	7.70E-05	7.22E-03	8.63E-03	3.32E-01	1.97E-03	2.64E-03	3.45E-01
759	490286.72	3860385.12	0.04423	0.41545	0.0102	0.03501	7.23E-03	3.22E-01	1.98E-03	2.58E-03	3.34E-01	7.13E-03	1.40E-05	2.17E-05	7.54E-05	7.24E-03	8.65E-03	3.22E-01	1.98E-03	2.58E-03	3.35E-01
760	490336.72	3860385.12	0.04433	0.40349	0.0103	0.03426	7.25E-03	3.13E-01	1.99E-03	2.52E-03	3.25E-01	7.14E-03	1.36E-05	2.18E-05	7.38E-05	7.25E-03	8.67E-03	3.13E-01	1.99E-03	2.52E-03	3.26E-01
761	490386.72	3860385.12	0.04436	0.39225	0.0104	0.03355	7.26E-03	3.04E-01	2.01E-03	2.47E-03	3.16E-01	7.15E-03	1.32E-05	2.20E-05	7.22E-05	7.26E-03	8.68E-03	3.04E-01	2.01E-03	2.47E-03	3.17E-01
762	490436.72	3860385.12	0.04435	0.38164	0.0105	0.03286	7.25E-03	2.96E-01	2.03E-03	2.42E-03	3.08E-01	7.15E-03	1.28E-05	2.22E-05	7.07E-05	7.25E-03	8.68E-03	2.96E-01	2.03E-03	2.42E-03	3.09E-01
763	490486.72	3860385.12	0.0443	0.37168	0.0106	0.0322	7.25E-03	2.88E-01	2.05E-03	2.37E-03	3.00E-01	7.14E-03	1.25E-05	2.25E-05	6.93E-05	7.24E-03	8.67E-03	2.88E-01	2.05E-03	2.37E-03	3.01E-01
764	490536.72	3860385.12	0.0442	0.36225	0.0107	0.03154	7.23E-03	2.81E-01	2.07E-03	2.32E-03	2.93E-01	7.12E-03	1.22E-05	2.27E-05	6.79E-05	7.22E-03	8.65E-03	2.81E-01	2.07E-03	2.32E-03	2.94E-01
765	490586.72	3860385.12	0.04405	0.3533	0.0108	0.0309	7.20E-03	2.74E-01	2.09E-03	2.27E-03	2.86E-01	7.10E-03	1.19E-05	2.30E-05	6.65E-05	7.20E-03	8.62E-03	2.74E-01	2.09E-03	2.27E-03	2.87E-01
766	490636.72	3860385.12	0.04384	0.34477	0.0109	0.03027	7.17E-03	2.67E-01	2.11E-03	2.23E-03	2.79E-01	7.06E-03	1.16E-05	2.32E-05	6.52E-05	7.16E-03	8.58E-03	2.67E-01	2.11E-03	2.23E-03	2.80E-01
767	490686.72	3860385.12	0.04363	0.33677	0.011	0.0297	7.14E-03	2.61E-01	2.13E-03	2.19E-03	2.73E-01	7.03E-03	1.13E-05	2.33E-05	6.39E-05	7.13E-03	8.54E-03	2.61E-01	2.13E-03	2.19E-03	2.74E-01
768	490736.72	3860385.12	0.04334	0.32904	0.0111	0.02913	7.09E-03	2.55E-01	2.14E-03	2.14E-03	2.67E-01	6.98E-03	1.11E-05	2.35E-05	6.27E-05	7.08E-03	8.48E-03	2.55E-01	2.14E-03	2.14E-03	2.68E-01
769	490786.72	3860385.12	0.04304	0.32176	0.0111	0.02861	7.04E-03	2.50E-01	2.15E-03	2.11E-03	2.61E-01	6.94E-03	1.08E-05	2.36E-05	6.16E-05	7.03E-03	8.42E-03	2.50E-01	2.15E-03	2.11E-03	2.62E-01
770	490136.72	3860435.12	0.04256	0.44079	0.0099	0.03457	6.96E-03	3.42E-01	1.91E-03	2.55E-03	3.53E-01	6.86E-03	1.48E-05	2.10E-05	7.44E-05	6.97E-03	8.33E-03	3.42E-01	1.91E-03	2.55E-03	3.55E-01
771	490186.72	3860435.12	0.0428	0.42653	0.0099	0.03383	7.00E-03	3.31E-01	1.92E-03	2.49E-03	3.42E-01	6.90E-03	1.43E-05	2.10E-05	7.28E-05	7.00E-03	8.38E-03	3.31E-01	1.92E-03	2.49E-03	3.44E-01
772	490236.72	3860435.12	0.043	0.41333	0.0099	0.03313	7.03E-03	3.21E-01	1.93E-03	2.44E-03	3.32E-01	6.93E-03	1.39E-05	2.11E-05	7.13E-05	7.03E-03	8.41E-03	3.21E-01	1.93E-03	2.44E-03	3.33E-01
773	490286.72	3860435.12	0.04319	0.40107	0.01	0.03247	7.06E-03	3.11E-01	1.93E-03	2.39E-03	3.22E-01	6.96E-03	1.35E-05	2.12E-05	6.99E-05	7.06E-03	8.45E-03	3.11E-01	1.93E-03	2.39E-03	3.24E-01
774	490336.72	3860435.12	0.04333	0.38953	0.01	0.03184	7.09E-03	3.02E-01	1.94E-03	2.34E-03	3.14E-01	6.98E-03	1.31E-05	2.13E-05	6.85E-05	7.08E-03	8.48E-03	3.02E-01	1.94E-03	2.34E-03	3.15E-01
775	490386.72	3860435.12	0.04343	0.37877	0.0101	0.03122	7.10E-03	2.94E-01	1.96E-03	2.30E-03	3.05E-01	7.00E-03	1.27E-05	2.15E-05	6.72E-05	7.10E-03	8.50E-03	2.94E-01	1.96E-03	2.30E-03	3.07E-01
776	490436.72	3860435.12	0.04348	0.36864	0.0102	0.03062	7.11E-03	2.86E-01	1.97E-03	2.25E-03	2.97E-01	7.01E-03	1.24E-05	2.16E-05	6.59E-05	7.11E-03	8.51E-03	2.86E-01	1.97E-03	2.25E-03	2.99E-01
777	490486.72	3860435.12	0.04347	0.35911	0.0103	0.03003	7.11E-03	2.79E-01	1.99E-03	2.21E-03	2.90E-01	7.00E-03	1.21E-05	2.18E-05	6.46E-05	7.10E-03	8.51E-03	2.79E-01	1.99E-03	2.21E-03	2.91E-01
778	490536.72	3860435.12	0.04343	0.35017	0.0104	0.02948	7.10E-03	2.72E-01	2.01E-03	2.17E-03	2.83E-01	7.00E-03	1.18E-05	2.21E-05	6.35E-05	7.10E-03	8.50E-03	2.72E-01	2.01E-03	2.17E-03	2.84E-01
779	490586.72	3860435.12	0.04332	0.34163	0.0105	0.02893	7.09E-03	2.65E-01	2.03E-03	2.13E-03	2.76E-01	6.98E-03	1.15E-05	2.23E-05	6.23E-05	7.08E-03	8.48E-03	2.65E-01	2.03E-03	2.13E-03	2.78E-01
780	490636.72	3860435.12	0.04317	0.33351	0.0106	0.02839	7.06E-03	2.59E-01	2.05E-03	2.09E-03	2.70E-01	6.96E-03	1.12E-05	2.25E-05	6.11E-05	7.05E-03	8.45E-03	2.59E-01	2.05E-03	2.09E-03	2.71E-01
781	490686.72	3860435.12	0.04299	0.32587	0.0107	0.0279	7.03E-03	2.53E-01	2.07E-03	2.05E-03	2.64E-01	6.93E-03	1.09E-05	2.27E-05	6.01E-05	7.02E-03	8.41E-03	2.53E-01	2.07E-03	2.05E-03	2.65E-01
782	490736.72	3860435.12	0.0428	0.31869	0.0108	0.02745	7.00E-03	2.47E-01	2.09E-03	2.02E-03	2.58E-01	6.90E-03	1.07E-05	2.29E-05	5.91E-05	6.99E-03	8.38E-03	2.47E-01	2.09E-03	2.02E-03	2.60E-01
783	490786.72	3860435.12	0.04253	0.31169	0.0108	0.02697	6.96E-03	2.42E-01	2.10E-03	1.99E-03	2.53E-01	6.85E-03	1.05E-05	2.30E-05	5.81E-05	6.94E-03	8.32E-03	2.42E-01	2.10E-03	1.99E-03	2.54E-01
784	490136.72	3860485.12	0.04155	0.42221	0.0097	0.03183	6.80E-03	3.28E-01	1.88E-03	2.34E-03	3.39E-01	6.70E-03	1.42E-05	2.06E-05	6.85E-05	6.80E-03	8.13E-03	3.28E-01	1.88E-03	2.34E-03	3.40E-01
785	490186.72	3860485.12	0.04176	0.40888	0.0097	0.03121	6.83E-03	3.17E-01	1.88E-03	2.30E-03	3.28E-01	6.73E-03	1.37E-05	2.07E-05	6.72E-05	6.83E-03	8.17E-03	3.17E-01	1.88E-03	2.30E-03	3.30E-01
786	490236.72	3860485.12	0.04195	0.39644	0.0097	0.03062	6.86E-03	3.08E-01	1.89E-03	2.25E-03	3.19E-01	6.76E-03	1.33E-05	2.07E-05	6.59E-05	6.86E-03	8.21E-03	3.08E-01	1.89E-03	2.25E-03	3.20E-01
787	490286.72	3860485.12	0.04216	0.38495	0.0098	0.03005	6.90E-03	2.99E-01	1.89E-03	2.21E-03	3.10E-01	6.79E-03	1.29E-05	2.08E-05	6.47E-05	6.89E-03	8.25E-03	2.99E-01	1.89E-03	2.21E-03	3.11E-01
788	490336.72	3860485.12	0.04232	0.37411	0.0098	0.0295	6.92E-03	2.90E-01	1.90E-03	2.17E-03	3.01E-01	6.82E-03	1.26E-05	2.08E-05	6.35E-05	6.92E-03	8.28E-03	2.90E-01	1.90E-03	2.17E-03	3.03E-01
789	490386.72	3860485.12	0.04248	0.36404	0.0099	0.02897	6.95E-03	2.82E-01	1.91E-03	2.13E-03	2.93E-01	6.84E-03	1.22E-05	2.09E-05	6.24E-05	6.94E-03	8.31E-03	2.82E-01	1.91E-03	2.13E-03	2.95E-01

790	490436.72	3860485.12	0.04261	0.35467	0.0099	0.0285	6.97E-03	2.75E-01	1.93E-03	2.10E-03	2.86E-01	6.87E-03	1.19E-05	2.11E-05	6.14E-05	6.96E-03	8.34E-03	2.75E-01	1.93E-03	2.10E-03	2.87E-01
791	490486.72	3860485.12	0.04265	0.34567	0.01	0.02797	6.98E-03	2.68E-01	1.94E-03	2.06E-03	2.79E-01	6.87E-03	1.16E-05	2.13E-05	6.02E-05	6.97E-03	8.35E-03	2.68E-01	1.94E-03	2.06E-03	2.80E-01
792	490536.72	3860485.12	0.04263	0.33714	0.0101	0.02747	6.97E-03	2.62E-01	1.95E-03	2.02E-03	2.72E-01	6.87E-03	1.13E-05	2.14E-05	5.91E-05	6.96E-03	8.34E-03	2.62E-01	1.95E-03	2.02E-03	2.74E-01
793	490586.72	3860485.12	0.04256	0.32909	0.0102	0.02699	6.96E-03	2.55E-01	1.97E-03	1.99E-03	2.66E-01	6.86E-03	1.11E-05	2.16E-05	5.81E-05	6.95E-03	8.33E-03	2.55E-01	1.97E-03	1.99E-03	2.68E-01
794	490636.72	3860485.12	0.04248	0.32157	0.0103	0.02657	6.95E-03	2.49E-01	2.00E-03	1.96E-03	2.60E-01	6.84E-03	1.08E-05	2.19E-05	5.72E-05	6.93E-03	8.31E-03	2.49E-01	2.00E-03	1.96E-03	2.62E-01
795	490686.72	3860485.12	0.04233	0.31429	0.0104	0.02612	6.92E-03	2.44E-01	2.01E-03	1.92E-03	2.55E-01	6.82E-03	1.06E-05	2.21E-05	5.62E-05	6.91E-03	8.28E-03	2.44E-01	2.01E-03	1.92E-03	2.56E-01
796	490736.72	3860485.12	0.04217	0.30751	0.0105	0.02573	6.90E-03	2.39E-01	2.03E-03	1.89E-03	2.49E-01	6.79E-03	1.03E-05	2.23E-05	5.54E-05	6.88E-03	8.25E-03	2.39E-01	2.03E-03	1.89E-03	2.51E-01
797	490786.72	3860485.12	0.04197	0.30102	0.0106	0.02535	6.86E-03	2.34E-01	2.05E-03	1.87E-03	2.44E-01	6.76E-03	1.01E-05	2.25E-05	5.46E-05	6.85E-03	8.21E-03	2.34E-01	2.05E-03	1.87E-03	2.46E-01
798	490136.72	3860535.12	0.04056	0.4017	0.0095	0.02931	6.63E-03	3.12E-01	1.85E-03	2.16E-03	3.22E-01	6.54E-03	1.35E-05	2.03E-05	6.31E-05	6.63E-03	7.94E-03	3.12E-01	1.85E-03	2.16E-03	3.24E-01
799	490186.72	3860535.12	0.04083	0.38965	0.0096	0.02878	6.68E-03	3.02E-01	1.86E-03	2.12E-03	3.13E-01	6.58E-03	1.31E-05	2.04E-05	6.20E-05	6.67E-03	7.99E-03	3.02E-01	1.86E-03	2.12E-03	3.14E-01
800	490236.72	3860535.12	0.04095	0.37819	0.0096	0.02827	6.70E-03	2.93E-01	1.86E-03	2.08E-03	3.04E-01	6.60E-03	1.27E-05	2.03E-05	6.09E-05	6.69E-03	8.01E-03	2.93E-01	1.86E-03	2.08E-03	3.05E-01
801	490286.72	3860535.12	0.04112	0.36753	0.0096	0.02777	6.73E-03	2.85E-01	1.86E-03	2.04E-03	2.96E-01	6.63E-03	1.23E-05	2.03E-05	5.98E-05	6.72E-03	8.05E-03	2.85E-01	1.86E-03	2.04E-03	2.97E-01
802	490336.72	3860535.12	0.04132	0.35766	0.0096	0.0273	6.76E-03	2.77E-01	1.86E-03	2.01E-03	2.88E-01	6.66E-03	1.20E-05	2.04E-05	5.88E-05	6.75E-03	8.09E-03	2.77E-01	1.86E-03	2.01E-03	2.89E-01
803	490386.72	3860535.12	0.04153	0.34848	0.0097	0.02688	6.79E-03	2.70E-01	1.87E-03	1.98E-03	2.81E-01	6.69E-03	1.17E-05	2.05E-05	5.79E-05	6.78E-03	8.13E-03	2.70E-01	1.87E-03	1.98E-03	2.82E-01
804	490436.72	3860535.12	0.04169	0.33982	0.0097	0.02647	6.82E-03	2.64E-01	1.88E-03	1.95E-03	2.74E-01	6.72E-03	1.14E-05	2.06E-05	5.70E-05	6.81E-03	8.16E-03	2.64E-01	1.88E-03	1.95E-03	2.76E-01
805	490486.72	3860535.12	0.04181	0.33159	0.0098	0.02606	6.84E-03	2.57E-01	1.89E-03	1.92E-03	2.68E-01	6.74E-03	1.11E-05	2.08E-05	5.61E-05	6.82E-03	8.18E-03	2.57E-01	1.89E-03	1.92E-03	2.69E-01
806	490536.72	3860535.12	0.04196	0.32408	0.0099	0.02575	6.86E-03	2.51E-01	1.92E-03	1.90E-03	2.62E-01	6.76E-03	1.09E-05	2.10E-05	5.54E-05	6.85E-03	8.21E-03	2.51E-01	1.92E-03	1.90E-03	2.63E-01
807	490586.72	3860535.12	0.04182	0.31619	0.0099	0.0252	6.84E-03	2.45E-01	1.92E-03	1.86E-03	2.56E-01	6.74E-03	1.06E-05	2.11E-05	5.42E-05	6.82E-03	8.18E-03	2.45E-01	1.92E-03	1.86E-03	2.57E-01
808	490636.72	3860535.12	0.04175	0.30907	0.01	0.0248	6.83E-03	2.40E-01	1.94E-03	1.83E-03	2.50E-01	6.73E-03	1.04E-05	2.13E-05	5.34E-05	6.81E-03	8.17E-03	2.40E-01	1.94E-03	1.83E-03	2.52E-01
809	490686.72	3860535.12	0.04167	0.3024	0.0101	0.02445	6.82E-03	2.35E-01	1.96E-03	1.80E-03	2.45E-01	6.71E-03	1.02E-05	2.15E-05	5.26E-05	6.80E-03	8.15E-03	2.35E-01	1.96E-03	1.80E-03	2.46E-01
810	490736.72	3860535.12	0.04152	0.29596	0.0102	0.02409	6.79E-03	2.30E-01	1.98E-03	1.77E-03	2.40E-01	6.69E-03	9.94E-06	2.17E-05	5.19E-05	6.77E-03	8.12E-03	2.30E-01	1.98E-03	1.77E-03	2.41E-01
811	490786.72	3860535.12	0.04138	0.28996	0.0103	0.02377	6.77E-03	2.25E-01	2.00E-03	1.75E-03	2.35E-01	6.67E-03	9.74E-06	2.19E-05	5.12E-05	6.75E-03	8.10E-03	2.25E-01	2.00E-03	1.75E-03	2.37E-01
812	490136.72	3860585.12	0.03968	0.38023	0.0094	0.02701	6.49E-03	2.95E-01	1.83E-03	1.99E-03	3.05E-01	6.39E-03	1.28E-05	2.00E-05	5.81E-05	6.48E-03	7.76E-03	2.95E-01	1.83E-03	1.99E-03	3.07E-01
813	490186.72	3860585.12	0.03966	0.36861	0.0094	0.02641	6.49E-03	2.86E-01	1.81E-03	1.94E-03	2.96E-01	6.39E-03	1.24E-05	1.99E-05	5.69E-05	6.48E-03	7.76E-03	2.86E-01	1.81E-03	1.94E-03	2.97E-01
814	490236.72	3860585.12	0.0399	0.35881	0.0094	0.02605	6.53E-03	2.78E-01	1.82E-03	1.92E-03	2.89E-01	6.43E-03	1.21E-05	2.00E-05	5.61E-05	6.52E-03	7.81E-03	2.78E-01	1.82E-03	1.92E-03	2.90E-01
815	490286.72	3860585.12	0.04014	0.34947	0.0094	0.02567	6.57E-03	2.71E-01	1.82E-03	1.89E-03	2.81E-01	6.47E-03	1.17E-05	2.00E-05	5.53E-05	6.55E-03	7.85E-03	2.71E-01	1.82E-03	1.89E-03	2.83E-01
816	490336.72	3860585.12	0.04033	0.34054	0.0094	0.02527	6.60E-03	2.64E-01	1.83E-03	1.86E-03	2.74E-01	6.50E-03	1.14E-05	2.00E-05	5.44E-05	6.58E-03	7.89E-03	2.64E-01	1.83E-03	1.86E-03	2.76E-01
817	490386.72	3860585.12	0.04051	0.33211	0.0095	0.02488	6.63E-03	2.58E-01	1.83E-03	1.83E-03	2.68E-01	6.53E-03	1.12E-05	2.01E-05	5.36E-05	6.61E-03	7.93E-03	2.58E-01	1.83E-03	1.83E-03	2.69E-01
818	490436.72	3860585.12	0.0408	0.3246	0.0095	0.02464	6.67E-03	2.52E-01	1.85E-03	1.81E-03	2.62E-01	6.57E-03	1.09E-05	2.02E-05	5.30E-05	6.66E-03	7.98E-03	2.52E-01	1.85E-03	1.81E-03	2.63E-01
819	490486.72	3860585.12	0.04104	0.31734	0.0096	0.02434	6.71E-03	2.46E-01	1.86E-03	1.79E-03	2.57E-01	6.61E-03	1.07E-05	2.04E-05	5.24E-05	6.70E-03	8.03E-03	2.46E-01	1.86E-03	1.79E-03	2.58E-01
820	490536.72	3860585.12	0.0411	0.31015	0.0096	0.024	6.72E-03	2.41E-01	1.87E-03	1.77E-03	2.51E-01	6.62E-03	1.04E-05	2.05E-05	5.17E-05	6.71E-03	8.04E-03	2.41E-01	1.87E-03	1.77E-03	2.52E-01
821	490586.72	3860585.12	0.04097	0.30267	0.0097	0.02346	6.70E-03	2.35E-01	1.87E-03	1.73E-03	2.45E-01	6.60E-03	1.02E-05	2.05E-05	5.05E-05	6.68E-03	8.02E-03	2.35E-01	1.87E-03	1.73E-03	2.46E-01
822	490636.72	3860585.12	0.04099	0.29625	0.0097	0.02314	6.70E-03	2.30E-01	1.89E-03	1.70E-03	2.40E-01	6.60E-03	9.95E-06	2.07E-05	4.98E-05	6.69E-03	8.02E-03	2.30E-01	1.89E-03	1.70E-03	2.41E-01
823	490686.72	3860585.12	0.04095	0.29009	0.0098	0.02283	6.70E-03	2.25E-01	1.90E-03	1.68E-03	2.35E-01	6.60E-03	9.74E-06	2.09E-05	4.91E-05	6.68E-03	8.01E-03	2.25E-01	1.90E-03	1.68E-03	2.37E-01
824	490736.72	3860585.12	0.04087	0.28423	0.0099	0.02254	6.68E-03	2.20E-01	1.92E-03	1.66E-03	2.31E-01	6.59E-03	9.55E-06	2.11E-05	4.85E-05	6.66E-03	8.00E-03	2.20E-01	1.92E-03	1.66E-03	2.32E-01
825	490786.72	3860585.12	0.04073	0.27856	0.01	0.02224	6.66E-03	2.16E-01	1.94E-03	1.64E-03	2.26E-01	6.56E-03	9.36E-06	2.13E-05	4.79E-05	6.64E-03	7.97E-03	2.16E-01	1.94E-03	1.64E-03	2.28E-01
826	490136.72	3860635.12	0.03892	0.35809	0.0093	0.02488	6.37E-03	2.78E-01	1.81E-03	1.83E-03	2.88E-01	6.27E-03	1.20E-05	1.98E-05	5.36E-05	6.36E-03	7.62E-03	2.78E-01	1.81E-03	1.83E-03	2.89E-01
827	490186.72	3860635.12	0.03893	0.3487	0.0093	0.02452	6.37E-03	2.70E-01	1.80E-03	1.81E-03	2.80E-01	6.27E-03	1.17E-05	1.98E-05	5.28E-05	6.36E-03	7.62E-03	2.71E-01	1.80E-03	1.81E-03	2.82E-01
828	490236.72	3860635.12	0.03897	0.33931	0.0093	0.02405	6.37E-03	2.63E-01	1.79E-03	1.77E-03	2.73E-01	6.28E-03	1.14E-05	1.97E-05	5.18E-05	6.36E-03	7.63E-03	2.63E-01	1.79E-03	1.77E-03	2.74E-01
829	490286.72	3860635.12	0.03913	0.33085	0.0093	0.02369	6.40E-03	2.57E-01	1.79E-03	1.74E-03	2.67E-01	6.31E-03	1.11E-05	1.97E-05	5.10E-05	6.39E-03	7.66E-03	2.57E-01	1.79E-03	1.74E-03	2.68E-01
830	490336.72	3860635.12	0.03935	0.32305	0.0093	0.02338	6.44E-03	2.51E-01	1.80E-03	1.72E-03	2.61E-01	6.34E-03	1.09E-05	1.97E-05	5.03E-05	6.42E-03	7.70E-03	2.51E-01	1.80E-03	1.72E-03	2.62E-01
831	490386.72	3860635.12	0.03955	0.31562	0.0093	0.02308	6.47E-03	2.45E-01	1.80E-03	1.70E-03	2.55E-01	6.37E-03	1.06E-05	1.97E-05	4.97E-05	6.45E-03	7.74E-03	2.45E-01	1.80E-03	1.70E-03	2.56E-01
832	490436.72	3860635.12	0.03973	0.30848	0.0093	0.02276	6.50E-03	2.39E-01	1.80E-03	1.68E-03	2.49E-01	6.40E-03	1.04E-05	1.98E-05	4.90E-05	6.48E-03	7.77E-03	2.39E-01	1.80E-03	1.68E-03	2.51E-01
833	490486.72	3860635.12	0.03991	0.30181	0.0093	0.02248	6.53E-03	2.34E-01	1.81E-03	1.66E-03	2.44E-01	6.43E-03	1.01E-05	1.98E-05	4.84E-05	6.51E-03	7.81E-03	2.34E-01	1.81E-03	1.66E-03	2.45E-01
834	490536.72	3860635.12	0.0401	0.29563	0.0094	0.02225	6.56E-03	2.29E-01	1.82E-03	1.64E-03	2.39E-01	6.46E-03	9.93E-06	2.00E-05	4.79E-05	6.54E-03	7.85E-03	2.29E-01	1.82E-03	1.64E-03	2.41E-01
835	490586.72	3860635.12	0.04014	0.28922	0.0094	0.0219	6.57E-03	2.24E-01	1.83E-03	1.61E-03	2.34E-01	6.47E-03	9.72E-06	2.00E-05	4.71E-05	6.54E-03	7.85E-03	2.24E-01	1.83E-03	1.61E-03	2.36E-01
836	490636.72	3860635.12	0.04021	0.28342	0.0095	0.02164	6.58E-03	2.20E-01	1.84E-03	1.59E-03	2.30E-01	6.48E-03	9.52E-06	2.02E-05	4.66E-05	6.56E-03	7.87E-03	2.20E-01	1.84E-03	1.59E-03	2.31E-01
837	490686.72	3860635.12	0.04022	0.27778	0.0096	0.02136	6.58E-03	2.15E-01	1.86E-03	1.57E-03	2.25E-01	6.48E-03	9.33E-06	2.04E-05	4.60E-05	6.56E-03	7.87E-03	2.15E-01	1.86E-03	1.57E-03	2.27E-01
838	490736.72	3860635.12	0.04016	0.27225	0.0097	0.02108	6.57E-03	2.11E-01	1.87E-03	1.55E-03	2.21E-01	6.47E-03	9.15E-06	2.05E-05	4.54E-05	6.55E-03	7.86E-03	2.11E-01	1.87E-03	1.55E-03	2.22E-01
839	490786.72	3860635.12	0.04009	0.26715	0.0097	0.02084	6.56E-03	2.07E-01	1.89E-03	1.53E-03	2.17E-01	6.46E-03	8.97E-06	2.07E-05	4.49E-05	6.53E-03	7.84E-03	2.07E-01	1.89E-03	1.53E-03	2.19E-01
840	490136.72	3860685.12	0.03799	0.33612	0.0092	0.02295	6.21E-03	2.61E-01	1.77E-03	1.69E-03	2.70E-01	6.12E-03	1.13E-05	1.95E-05	4.94E-05	6.20E-03	7.43E-03	2.61E-01	1.77E-03	1.69E-03	2.72E-01
841	490186.72	3860685.12	0.03828	0.32794	0.0092	0.02259	6.26E-03	2.54E-01	1.79E-03	1.66E-03	2.64E-01	6.17E-03	1.10E-05	1.96E-05	4.86E-05	6.25E-03	7.49E-03	2.54E-01	1.79E-03	1.66E-03	2.65E-01
842	490236.72	3860685.12	0.03823	0.32038	0.0092	0.02233	6.25E-03	2.49E-01	1.78E-03	1.64E-03	2.58E-01	6.16E-03	1.08E-05	1.95E-05	4.81E-05	6.24E-03	7.48E-03	2.49E-01	1.78E-03	1.64E-03	2.59E-01
843	490286.72	3860685.12	0.03817	0.31213	0.0091	0.02185	6.24E-03	2.42E-01	1.76E-03	1.61E-03	2.52E-01	6.15E-03	1.05E-05	1.93E-05	4.70E-05	6.23E-03	7.47E-03	2.42E-01	1.76E-03	1.61E-03	2.53E-01
844	490336.72	3860685.12	0.03841	0.30557	0.0091	0.02163	6.28E-03	2.37E-01	1.77E-03	1.59E-03	2.47E-01	6.19E-03	1.03E-05	1.94E-05	4.66E-05	6.27E-03	7.52E-03	2.37E-01	1.77E-03	1.59E-03	2.48E-01
845	490386.72	3860685.12	0.03861	0.29906	0.0091	0.02139	6.32E-03	2.32E-01	1.77E-03	1.57E-03	2.42E-01	6.22E-03	1.00E-05	1.94E-05	4.60E-05	6.30E-03	7.56E-03	2.32E-01	1.77E-03	1.57E-03	2.43E-01
846	490436.72	3860685.12	0.03876	0.29262	0.0091	0.02111	6.34E-03	2.27E-01	1.77E-03	1.55E-03	2.37E-01	6.25E-03	9.83E-06	1.94E-05	4.54E-05	6.32E-03	7.58E-03	2.27E-01	1.77E-03	1.55E-03	2.38E-01
847	490486.72	3860685.12	0.03891	0.28647	0.0091	0.02084	6.36E-03	2.22E-01	1.77E-03	1.53E-03	2.32E-01	6.27E-03	9.62E-06	1.94E-05	4.49E-05	6.34E-03	7.61E-03	2.22E-01	1.77E-03	1.53E-03	2.33E-01
848	490536.72	3860685.12	0.03909	0.28086	0.0092	0.02062	6.39E-03	2.18E-01	1.78E-03	1.52E-03	2.28E-01	6.30E-03	9.43E-06	1.95E-05	4.44E-05	6.37E-03	7.65E-03	2.18E-01	1.78E-03	1.52E-03	2.29E-01
849	490586.72	3860685.12	0.03924	0.27546	0.0092	0.0204	6.42E-03	2.14E-01	1.79E-03	1.50E-03	2.23E-01	6.32E-03	9.25E-06	1.96E-05	4.39E-05	6.40E-03	7.68E-03	2.14E-01	1.79E-03	1.50E-03	2.25E-01
850	490636.72	3860685.12	0.03937	0.27036	0.0093	0.0202	6.44E-03	2.10E-01	1.80E-03	1.49E-03	2.19E-01	6.34E-03	9.08E-06	1.97E-05	4.35E-05	6.42E-03	7.70E-03	2.10E-01	1.80E-03	1.49E-03	2.21E-01

851	490686.72	3860685.12	0.03947	0.26549	0.0094	0.02001	6.46E-03	2.06E-01	1.81E-03	1.47E-03	2.16E-01	6.36E-03	8.92E-06	1.99E-05	4.31E-05	6.43E-03	7.72E-03	2.06E-01	1.81E-03	1.47E-03	2.17E-01
852	490736.72	3860685.12	0.03947	0.26055	0.0094	0.01977	6.46E-03	2.02E-01	1.83E-03	1.46E-03	2.12E-01	6.36E-03	8.75E-06	2.00E-05	4.26E-05	6.43E-03	7.72E-03	2.02E-01	1.83E-03	1.46E-03	2.13E-01
853	490786.72	3860685.12	0.03949	0.25615	0.0095	0.0196	6.46E-03	1.99E-01	1.85E-03	1.44E-03	2.08E-01	6.36E-03	8.60E-06	2.02E-05	4.22E-05	6.43E-03	7.73E-03	1.99E-01	1.85E-03	1.44E-03	2.10E-01
854	490136.72	3860735.12	0.03693	0.3134	0.0089	0.02101	6.04E-03	2.43E-01	1.73E-03	1.55E-03	2.52E-01	5.95E-03	1.05E-05	1.89E-05	4.52E-05	6.03E-03	7.23E-03	2.43E-01	1.73E-03	1.55E-03	2.54E-01
855	490186.72	3860735.12	0.03699	0.3064	0.0089	0.02069	6.05E-03	2.38E-01	1.73E-03	1.52E-03	2.47E-01	5.96E-03	1.03E-05	1.90E-05	4.45E-05	6.03E-03	7.24E-03	2.38E-01	1.73E-03	1.52E-03	2.48E-01
856	490236.72	3860735.12	0.03712	0.29993	0.009	0.02042	6.07E-03	2.33E-01	1.74E-03	1.50E-03	2.42E-01	5.98E-03	1.01E-05	1.90E-05	4.40E-05	6.05E-03	7.26E-03	2.33E-01	1.74E-03	1.50E-03	2.43E-01
857	490286.72	3860735.12	0.03728	0.29384	0.009	0.02019	6.10E-03	2.28E-01	1.74E-03	1.49E-03	2.37E-01	6.01E-03	9.87E-06	1.91E-05	4.35E-05	6.08E-03	7.29E-03	2.28E-01	1.74E-03	1.49E-03	2.38E-01
858	490336.72	3860735.12	0.03745	0.28795	0.009	0.01997	6.13E-03	2.23E-01	1.74E-03	1.47E-03	2.33E-01	6.03E-03	9.67E-06	1.91E-05	4.30E-05	6.11E-03	7.33E-03	2.23E-01	1.74E-03	1.47E-03	2.34E-01
859	490386.72	3860735.12	0.03767	0.28249	0.009	0.01979	6.16E-03	2.19E-01	1.74E-03	1.46E-03	2.28E-01	6.07E-03	9.49E-06	1.91E-05	4.26E-05	6.14E-03	7.37E-03	2.19E-01	1.74E-03	1.46E-03	2.30E-01
860	490436.72	3860735.12	0.03796	0.27755	0.009	0.01967	6.21E-03	2.15E-01	1.75E-03	1.45E-03	2.25E-01	6.12E-03	9.32E-06	1.92E-05	4.23E-05	6.19E-03	7.43E-03	2.15E-01	1.75E-03	1.45E-03	2.26E-01
861	490486.72	3860735.12	0.03808	0.27205	0.009	0.01943	6.23E-03	2.11E-01	1.75E-03	1.43E-03	2.20E-01	6.14E-03	9.14E-06	1.92E-05	4.18E-05	6.21E-03	7.45E-03	2.11E-01	1.75E-03	1.43E-03	2.22E-01
862	490536.72	3860735.12	0.03815	0.26644	0.009	0.01915	6.24E-03	2.07E-01	1.74E-03	1.41E-03	2.16E-01	6.15E-03	8.95E-06	1.91E-05	4.12E-05	6.22E-03	7.47E-03	2.07E-01	1.74E-03	1.41E-03	2.17E-01
863	490586.72	3860735.12	0.0383	0.26155	0.009	0.01896	6.26E-03	2.03E-01	1.75E-03	1.40E-03	2.12E-01	6.17E-03	8.79E-06	1.92E-05	4.08E-05	6.24E-03	7.49E-03	2.03E-01	1.75E-03	1.40E-03	2.14E-01
864	490636.72	3860735.12	0.03844	0.25697	0.0091	0.01879	6.29E-03	1.99E-01	1.76E-03	1.38E-03	2.09E-01	6.19E-03	8.63E-06	1.93E-05	4.05E-05	6.26E-03	7.52E-03	1.99E-01	1.76E-03	1.38E-03	2.10E-01
865	490686.72	3860735.12	0.0386	0.25284	0.0091	0.01866	6.31E-03	1.96E-01	1.77E-03	1.37E-03	2.06E-01	6.22E-03	8.49E-06	1.94E-05	4.02E-05	6.29E-03	7.55E-03	1.96E-01	1.77E-03	1.37E-03	2.07E-01
866	490736.72	3860735.12	0.03872	0.24881	0.0092	0.01853	6.33E-03	1.93E-01	1.78E-03	1.36E-03	2.02E-01	6.24E-03	8.36E-06	1.96E-05	3.99E-05	6.31E-03	7.58E-03	1.93E-01	1.78E-03	1.36E-03	2.04E-01
867	490136.72	3860785.12	0.036	0.29127	0.0087	0.0193	5.89E-03	2.26E-01	1.69E-03	1.42E-03	2.35E-01	5.80E-03	9.78E-06	1.85E-05	4.15E-05	5.87E-03	7.04E-03	2.26E-01	1.69E-03	1.42E-03	2.36E-01
868	490186.72	3860785.12	0.0361	0.28589	0.0088	0.01907	5.90E-03	2.22E-01	1.70E-03	1.40E-03	2.31E-01	5.82E-03	9.60E-06	1.86E-05	4.11E-05	5.89E-03	7.06E-03	2.22E-01	1.70E-03	1.40E-03	2.32E-01
869	490236.72	3860785.12	0.03621	0.28058	0.0088	0.01885	5.92E-03	2.18E-01	1.70E-03	1.39E-03	2.27E-01	5.83E-03	9.43E-06	1.87E-05	4.06E-05	5.90E-03	7.09E-03	2.18E-01	1.70E-03	1.39E-03	2.28E-01
870	490286.72	3860785.12	0.03635	0.2755	0.0088	0.01864	5.95E-03	2.14E-01	1.71E-03	1.37E-03	2.23E-01	5.86E-03	9.25E-06	1.87E-05	4.01E-05	5.93E-03	7.11E-03	2.14E-01	1.71E-03	1.37E-03	2.24E-01
871	490336.72	3860785.12	0.03651	0.27053	0.0088	0.01845	5.97E-03	2.10E-01	1.71E-03	1.36E-03	2.19E-01	5.88E-03	9.09E-06	1.88E-05	3.97E-05	5.95E-03	7.14E-03	2.10E-01	1.71E-03	1.36E-03	2.20E-01
872	490386.72	3860785.12	0.03675	0.26618	0.0088	0.01832	6.01E-03	2.06E-01	1.71E-03	1.35E-03	2.16E-01	5.92E-03	8.94E-06	1.88E-05	3.94E-05	5.99E-03	7.19E-03	2.06E-01	1.71E-03	1.35E-03	2.17E-01
873	490436.72	3860785.12	0.03693	0.26152	0.0089	0.01815	6.04E-03	2.03E-01	1.72E-03	1.34E-03	2.12E-01	5.95E-03	8.78E-06	1.88E-05	3.91E-05	6.02E-03	7.23E-03	2.03E-01	1.72E-03	1.34E-03	2.13E-01
874	490486.72	3860785.12	0.03717	0.25735	0.0089	0.01804	6.08E-03	2.00E-01	1.72E-03	1.33E-03	2.09E-01	5.99E-03	8.64E-06	1.89E-05	3.88E-05	6.06E-03	7.27E-03	2.00E-01	1.72E-03	1.33E-03	2.10E-01
875	490536.72	3860785.12	0.03731	0.25274	0.0089	0.01785	6.10E-03	1.96E-01	1.72E-03	1.31E-03	2.05E-01	6.01E-03	8.49E-06	1.88E-05	3.84E-05	6.08E-03	7.30E-03	1.96E-01	1.72E-03	1.31E-03	2.06E-01
876	490586.72	3860785.12	0.03738	0.24795	0.0088	0.01763	6.11E-03	1.92E-01	1.71E-03	1.30E-03	2.01E-01	6.02E-03	8.33E-06	1.88E-05	3.80E-05	6.09E-03	7.31E-03	1.92E-01	1.71E-03	1.30E-03	2.03E-01
877	490636.72	3860785.12	0.03752	0.2438	0.0089	0.01749	6.14E-03	1.89E-01	1.72E-03	1.29E-03	1.98E-01	6.05E-03	8.19E-06	1.88E-05	3.77E-05	6.11E-03	7.34E-03	1.89E-01	1.72E-03	1.29E-03	1.99E-01
878	490686.72	3860785.12	0.03769	0.24006	0.0089	0.01737	6.16E-03	1.86E-01	1.73E-03	1.28E-03	1.95E-01	6.07E-03	8.06E-06	1.89E-05	3.74E-05	6.14E-03	7.38E-03	1.86E-01	1.73E-03	1.28E-03	1.97E-01
879	490736.72	3860785.12	0.03785	0.23665	0.009	0.01728	6.19E-03	1.84E-01	1.74E-03	1.27E-03	1.93E-01	6.10E-03	7.95E-06	1.91E-05	3.72E-05	6.16E-03	7.41E-03	1.84E-01	1.74E-03	1.27E-03	1.94E-01
880	490086.72	3860835.12	0.03516	0.27499	0.0084	0.01798	5.75E-03	2.13E-01	1.64E-03	1.32E-03	2.22E-01	5.67E-03	9.24E-06	1.79E-05	3.87E-05	5.73E-03	6.88E-03	2.13E-01	1.64E-03	1.32E-03	2.23E-01
881	490136.72	3860835.12	0.03526	0.27101	0.0086	0.01784	5.77E-03	2.10E-01	1.66E-03	1.31E-03	2.19E-01	5.68E-03	9.10E-06	1.82E-05	3.84E-05	5.75E-03	6.90E-03	2.10E-01	1.66E-03	1.31E-03	2.20E-01
882	490186.72	3860835.12	0.03529	0.26644	0.0086	0.01764	5.77E-03	2.07E-01	1.67E-03	1.30E-03	2.15E-01	5.69E-03	8.95E-06	1.83E-05	3.80E-05	5.75E-03	6.91E-03	2.07E-01	1.67E-03	1.30E-03	2.17E-01
883	490236.72	3860835.12	0.03537	0.26207	0.0086	0.01746	5.79E-03	2.03E-01	1.68E-03	1.29E-03	2.12E-01	5.70E-03	8.80E-06	1.84E-05	3.76E-05	5.76E-03	6.92E-03	2.03E-01	1.68E-03	1.29E-03	2.13E-01
884	490286.72	3860835.12	0.03551	0.25801	0.0087	0.01729	5.81E-03	2.00E-01	1.68E-03	1.27E-03	2.09E-01	5.72E-03	8.67E-06	1.84E-05	3.72E-05	5.79E-03	6.95E-03	2.00E-01	1.68E-03	1.27E-03	2.10E-01
885	490336.72	3860835.12	0.03563	0.25381	0.0087	0.01711	5.83E-03	1.97E-01	1.68E-03	1.26E-03	2.06E-01	5.74E-03	8.53E-06	1.85E-05	3.68E-05	5.80E-03	6.97E-03	1.97E-01	1.68E-03	1.26E-03	2.07E-01
886	490386.72	3860835.12	0.03579	0.24981	0.0087	0.01696	5.85E-03	1.94E-01	1.69E-03	1.25E-03	2.03E-01	5.77E-03	8.39E-06	1.85E-05	3.65E-05	5.83E-03	7.00E-03	1.94E-01	1.69E-03	1.25E-03	2.04E-01
887	490436.72	3860835.12	0.03601	0.24619	0.0087	0.01684	5.89E-03	1.91E-01	1.69E-03	1.24E-03	2.00E-01	5.80E-03	8.27E-06	1.85E-05	3.63E-05	5.87E-03	7.05E-03	1.91E-01	1.69E-03	1.24E-03	2.01E-01
888	490486.72	3860835.12	0.03621	0.24254	0.0087	0.01672	5.92E-03	1.88E-01	1.69E-03	1.23E-03	1.97E-01	5.83E-03	8.15E-06	1.85E-05	3.60E-05	5.90E-03	7.09E-03	1.88E-01	1.69E-03	1.23E-03	1.98E-01
889	490536.72	3860835.12	0.03638	0.2388	0.0087	0.01659	5.95E-03	1.85E-01	1.69E-03	1.22E-03	1.94E-01	5.86E-03	8.02E-06	1.85E-05	3.57E-05	5.92E-03	7.12E-03	1.85E-01	1.69E-03	1.22E-03	1.95E-01
890	490586.72	3860835.12	0.03652	0.23492	0.0087	0.01644	5.97E-03	1.82E-01	1.69E-03	1.21E-03	1.91E-01	5.88E-03	7.89E-06	1.85E-05	3.54E-05	5.95E-03	7.15E-03	1.82E-01	1.69E-03	1.21E-03	1.92E-01
891	490636.72	3860835.12	0.03666	0.23118	0.0087	0.01631	6.00E-03	1.79E-01	1.69E-03	1.20E-03	1.88E-01	5.91E-03	7.77E-06	1.85E-05	3.51E-05	5.97E-03	7.17E-03	1.79E-01	1.69E-03	1.20E-03	1.89E-01
892	490686.72	3860835.12	0.03683	0.22785	0.0087	0.01621	6.02E-03	1.77E-01	1.69E-03	1.19E-03	1.86E-01	5.93E-03	7.65E-06	1.86E-05	3.49E-05	6.00E-03	7.21E-03	1.77E-01	1.69E-03	1.19E-03	1.87E-01
893	490736.72	3860835.12	0.03702	0.22487	0.0088	0.01613	6.06E-03	1.74E-01	1.70E-03	1.19E-03	1.83E-01	5.97E-03	7.55E-06	1.87E-05	3.47E-05	6.03E-03	7.24E-03	1.74E-01	1.70E-03	1.19E-03	1.85E-01
894	490086.72	3860885.12	0.03449	0.25497	0.0083	0.01662	5.64E-03	1.98E-01	1.60E-03	1.22E-03	2.06E-01	5.56E-03	8.56E-06	1.76E-05	3.58E-05	5.62E-03	6.75E-03	1.98E-01	1.60E-03	1.22E-03	2.07E-01
895	490136.72	3860885.12	0.03452	0.25162	0.0084	0.0165	5.65E-03	1.95E-01	1.62E-03	1.21E-03	2.04E-01	5.56E-03	8.45E-06	1.78E-05	3.55E-05	5.62E-03	6.75E-03	1.95E-01	1.62E-03	1.21E-03	2.05E-01
896	490186.72	3860885.12	0.03455	0.24812	0.0084	0.01636	5.65E-03	1.92E-01	1.64E-03	1.20E-03	2.01E-01	5.57E-03	8.33E-06	1.79E-05	3.52E-05	5.63E-03	6.76E-03	1.92E-01	1.64E-03	1.20E-03	2.02E-01
897	490236.72	3860885.12	0.03461	0.24471	0.0085	0.01622	5.66E-03	1.90E-01	1.65E-03	1.19E-03	1.98E-01	5.58E-03	8.22E-06	1.81E-05	3.49E-05	5.64E-03	6.77E-03	1.90E-01	1.65E-03	1.19E-03	1.99E-01
898	490286.72	3860885.12	0.0347	0.24129	0.0085	0.01608	5.68E-03	1.87E-01	1.65E-03	1.18E-03	1.96E-01	5.59E-03	8.11E-06	1.81E-05	3.46E-05	5.65E-03	6.79E-03	1.87E-01	1.65E-03	1.18E-03	1.97E-01
899	490336.72	3860885.12	0.03479	0.2378	0.0085	0.01593	5.69E-03	1.84E-01	1.66E-03	1.17E-03	1.93E-01	5.61E-03	7.99E-06	1.82E-05	3.43E-05	5.67E-03	6.81E-03	1.84E-01	1.66E-03	1.17E-03	1.94E-01
900	490386.72	3860885.12	0.03495	0.23466	0.0086	0.01581	5.72E-03	1.82E-01	1.66E-03	1.16E-03	1.91E-01	5.63E-03	7.88E-06	1.82E-05	3.40E-05	5.69E-03	6.84E-03	1.82E-01	1.66E-03	1.16E-03	1.92E-01
901	490436.72	3860885.12	0.03515	0.23165	0.0086	0.0157	5.75E-03	1.80E-01	1.66E-03	1.16E-03	1.88E-01	5.66E-03	7.78E-06	1.82E-05	3.38E-05	5.72E-03	6.88E-03	1.80E-01	1.66E-03	1.16E-03	1.89E-01
902	490486.72	3860885.12	0.03533	0.22851	0.0086	0.01558	5.78E-03	1.77E-01	1.66E-03	1.15E-03	1.86E-01	5.69E-03	7.68E-06	1.82E-05	3.35E-05	5.75E-03	6.91E-03	1.77E-01	1.66E-03	1.15E-03	1.87E-01
903	490536.72	3860885.12	0.0355	0.22533	0.0086	0.01547	5.81E-03	1.75E-01	1.66E-03	1.14E-03	1.83E-01	5.72E-03	7.57E-06	1.82E-05	3.33E-05	5.78E-03	6.95E-03	1.75E-01	1.66E-03	1.14E-03	1.85E-01
904	490586.72	3860885.12	0.03565	0.2221	0.0086	0.01535	5.83E-03	1.72E-01	1.66E-03	1.13E-03	1.81E-01	5.74E-03	7.46E-06	1.82E-05	3.30E-05	5.80E-03	6.98E-03	1.72E-01	1.66E-03	1.13E-03	1.82E-01
905	490636.72	3860885.12	0.0358	0.2189	0.0086	0.01523	5.86E-03	1.70E-01	1.66E-03	1.12E-03	1.78E-01	5.77E-03	7.35E-06	1.82E-05	3.28E-05	5.83E-03	7.01E-03	1.70E-01	1.66E-03	1.12E-03	1.80E-01
906	490686.72	3860885.12	0.03596	0.21591	0.0086	0.01514	5.88E-03	1.67E-01	1.66E-03	1.11E-03	1.76E-01	5.79E-03	7.25E-06	1.82E-05	3.26E-05	5.85E-03	7.04E-03	1.67E-01	1.66E-03	1.11E-03	1.77E-01
907	490736.72	3860885.12	0.03612	0.2131	0.0086	0.01506	5.91E-03	1.65E-01	1.67E-03	1.11E-03	1.74E-01	5.82E-03	7.16E-06	1.83E-05	3.24E-05	5.88E-03	7.07E-03	1.65E-01	1.67E-03	1.11E-03	1.75E-01
908	490086.72	3860935.12	0.03379	0.23593	0.0081	0.01534	5.53E-03	1.83E-01	1.56E-03	1.13E-03	1.91E-01	5.44E-03	7.93E-06	1.71E-05	3.30E-05	5.50E-03	6.61E-03	1.83E-01	1.56E-03	1.13E-03	1.92E-01
909	490136.72	3860935.12	0.03377	0.23311	0.0082	0.01525	5.52E-03	1.81E-01	1.58E-03	1.12E-03	1.89E-01	5.44E-03	7.83E-06	1.74E-05	3.28E-05	5.50E-03	6.61E-03	1.81E-01	1.58E-03	1.12E-03	1.90E-01
910	490186.72	3860935.12	0.03382	0.23071	0.0083	0.01517	5.53E-03	1.79E-01	1.60E-03	1.12E-03	1.87E-01	5.45E-03	7.75E-06	1.76E-05	3.27E-05	5.51E-03	6.62E-03	1.79E-01	1.60E-03	1.12E-03	1.88E-01
911	490236.72	3860935.12	0.03387	0.22818	0.0083	0.01509	5.54E-03	1.77E-01	1.62E-03	1.11E-03	1.85E-01	5.46E-03	7.66E-06	1.77E-05	3.25E-05	5.52E-03	6.63E-03	1.77E-01	1.62E-03	1.11E-03	1.86E-01

912	490286.72	3860935.12	0.03395	0.22563	0.0084	0.01499	5.55E-03	1.75E-01	1.63E-03	1.10E-03	1.83E-01	5.47E-03	7.58E-06	1.78E-05	3.23E-05	5.53E-03	6.64E-03	1.75E-01	1.63E-03	1.10E-03	1.84E-01
913	490336.72	3860935.12	0.03402	0.22278	0.0084	0.01488	5.56E-03	1.73E-01	1.63E-03	1.10E-03	1.81E-01	5.48E-03	7.48E-06	1.79E-05	3.20E-05	5.54E-03	6.66E-03	1.73E-01	1.63E-03	1.10E-03	1.82E-01
914	490386.72	3860935.12	0.03417	0.22031	0.0084	0.01478	5.59E-03	1.71E-01	1.64E-03	1.09E-03	1.79E-01	5.51E-03	7.40E-06	1.79E-05	3.18E-05	5.56E-03	6.69E-03	1.71E-01	1.64E-03	1.09E-03	1.80E-01
915	490436.72	3860935.12	0.03434	0.21783	0.0085	0.01469	5.62E-03	1.69E-01	1.64E-03	1.08E-03	1.77E-01	5.53E-03	7.32E-06	1.80E-05	3.16E-05	5.59E-03	6.72E-03	1.69E-01	1.64E-03	1.08E-03	1.78E-01
916	490486.72	3860935.12	0.03449	0.21514	0.0085	0.01459	5.64E-03	1.67E-01	1.64E-03	1.07E-03	1.75E-01	5.56E-03	7.23E-06	1.80E-05	3.14E-05	5.61E-03	6.75E-03	1.67E-01	1.64E-03	1.07E-03	1.76E-01
917	490536.72	3860935.12	0.03466	0.21255	0.0085	0.01449	5.67E-03	1.65E-01	1.64E-03	1.07E-03	1.73E-01	5.58E-03	7.14E-06	1.80E-05	3.12E-05	5.64E-03	6.78E-03	1.65E-01	1.64E-03	1.07E-03	1.74E-01
918	490586.72	3860935.12	0.03481	0.2098	0.0084	0.01438	5.69E-03	1.63E-01	1.64E-03	1.06E-03	1.71E-01	5.61E-03	7.05E-06	1.79E-05	3.10E-05	5.66E-03	6.81E-03	1.63E-01	1.64E-03	1.06E-03	1.72E-01
919	490636.72	3860935.12	0.03496	0.20708	0.0084	0.01428	5.72E-03	1.61E-01	1.63E-03	1.05E-03	1.69E-01	5.63E-03	6.96E-06	1.79E-05	3.07E-05	5.69E-03	6.84E-03	1.61E-01	1.63E-03	1.05E-03	1.70E-01
920	490686.72	3860935.12	0.03513	0.2045	0.0084	0.0142	5.75E-03	1.59E-01	1.64E-03	1.05E-03	1.67E-01	5.66E-03	6.87E-06	1.79E-05	3.06E-05	5.72E-03	6.87E-03	1.59E-01	1.64E-03	1.05E-03	1.68E-01
921	490736.72	3860935.12	0.03528	0.20199	0.0085	0.01412	5.77E-03	1.57E-01	1.64E-03	1.04E-03	1.65E-01	5.68E-03	6.79E-06	1.80E-05	3.04E-05	5.74E-03	6.90E-03	1.57E-01	1.64E-03	1.04E-03	1.66E-01
922	490786.72	3860935.12	0.03544	0.1996	0.0085	0.01405	5.80E-03	1.55E-01	1.64E-03	1.03E-03	1.63E-01	5.71E-03	6.70E-06	1.80E-05	3.02E-05	5.77E-03	6.93E-03	1.55E-01	1.64E-03	1.03E-03	1.64E-01
923	490836.72	3860935.12	0.03562	0.19752	0.0085	0.01401	5.83E-03	1.53E-01	1.65E-03	1.03E-03	1.62E-01	5.74E-03	6.63E-06	1.81E-05	3.02E-05	5.79E-03	6.97E-03	1.53E-01	1.65E-03	1.03E-03	1.63E-01
924	490086.72	3860985.12	0.03315	0.21876	0.0079	0.01422	5.42E-03	1.70E-01	1.52E-03	1.05E-03	1.78E-01	5.34E-03	7.35E-06	1.67E-05	3.06E-05	5.40E-03	6.49E-03	1.70E-01	1.52E-03	1.05E-03	1.79E-01
925	490136.72	3860985.12	0.03316	0.21684	0.008	0.01416	5.42E-03	1.68E-01	1.55E-03	1.04E-03	1.76E-01	5.34E-03	7.28E-06	1.70E-05	3.05E-05	5.40E-03	6.49E-03	1.68E-01	1.55E-03	1.04E-03	1.77E-01
926	490186.72	3860985.12	0.0332	0.2151	0.0081	0.01412	5.43E-03	1.67E-01	1.57E-03	1.04E-03	1.75E-01	5.35E-03	7.23E-06	1.72E-05	3.04E-05	5.40E-03	6.50E-03	1.67E-01	1.57E-03	1.04E-03	1.76E-01
927	490236.72	3860985.12	0.03319	0.21287	0.0082	0.01404	5.43E-03	1.65E-01	1.59E-03	1.03E-03	1.73E-01	5.35E-03	7.15E-06	1.74E-05	3.02E-05	5.40E-03	6.49E-03	1.65E-01	1.59E-03	1.03E-03	1.74E-01
928	490286.72	3860985.12	0.03323	0.21076	0.0082	0.01398	5.44E-03	1.63E-01	1.60E-03	1.03E-03	1.72E-01	5.35E-03	7.08E-06	1.75E-05	3.01E-05	5.41E-03	6.50E-03	1.63E-01	1.60E-03	1.03E-03	1.73E-01
929	490336.72	3860985.12	0.0333	0.20867	0.0083	0.0139	5.45E-03	1.62E-01	1.61E-03	1.02E-03	1.70E-01	5.37E-03	7.01E-06	1.76E-05	2.99E-05	5.42E-03	6.52E-03	1.62E-01	1.61E-03	1.02E-03	1.71E-01
930	490386.72	3860985.12	0.0334	0.20664	0.0083	0.01384	5.46E-03	1.60E-01	1.61E-03	1.02E-03	1.68E-01	5.38E-03	6.94E-06	1.77E-05	2.98E-05	5.44E-03	6.54E-03	1.60E-01	1.61E-03	1.02E-03	1.69E-01
931	490436.72	3860985.12	0.03357	0.20482	0.0083	0.01378	5.49E-03	1.59E-01	1.62E-03	1.01E-03	1.67E-01	5.41E-03	6.88E-06	1.77E-05	2.97E-05	5.46E-03	6.57E-03	1.59E-01	1.62E-03	1.01E-03	1.68E-01
932	490486.72	3860985.12	0.0337	0.20259	0.0083	0.01369	5.51E-03	1.57E-01	1.62E-03	1.01E-03	1.65E-01	5.43E-03	6.81E-06	1.77E-05	2.95E-05	5.48E-03	6.59E-03	1.57E-01	1.62E-03	1.01E-03	1.66E-01
933	490536.72	3860985.12	0.03383	0.20029	0.0083	0.0136	5.53E-03	1.55E-01	1.62E-03	1.00E-03	1.64E-01	5.45E-03	6.73E-06	1.77E-05	2.93E-05	5.50E-03	6.62E-03	1.55E-01	1.62E-03	1.00E-03	1.65E-01
934	490586.72	3860985.12	0.03398	0.19801	0.0083	0.01351	5.56E-03	1.54E-01	1.61E-03	9.95E-04	1.62E-01	5.48E-03	6.65E-06	1.77E-05	2.91E-05	5.53E-03	6.65E-03	1.54E-01	1.61E-03	9.95E-04	1.63E-01
935	490636.72	3860985.12	0.03416	0.19587	0.0083	0.01344	5.59E-03	1.52E-01	1.61E-03	9.90E-04	1.60E-01	5.50E-03	6.58E-06	1.77E-05	2.89E-05	5.56E-03	6.68E-03	1.52E-01	1.61E-03	9.90E-04	1.61E-01
936	490686.72	3860985.12	0.03431	0.19359	0.0083	0.01335	5.61E-03	1.50E-01	1.61E-03	9.83E-04	1.58E-01	5.53E-03	6.50E-06	1.77E-05	2.87E-05	5.58E-03	6.71E-03	1.50E-01	1.61E-03	9.83E-04	1.59E-01
937	490736.72	3860985.12	0.03446	0.19135	0.0083	0.01328	5.64E-03	1.48E-01	1.61E-03	9.78E-04	1.57E-01	5.55E-03	6.43E-06	1.77E-05	2.86E-05	5.61E-03	6.74E-03	1.48E-01	1.61E-03	9.78E-04	1.58E-01
938	490786.72	3860985.12	0.03462	0.1893	0.0083	0.01322	5.66E-03	1.47E-01	1.61E-03	9.73E-04	1.55E-01	5.58E-03	6.36E-06	1.77E-05	2.85E-05	5.63E-03	6.77E-03	1.47E-01	1.61E-03	9.73E-04	1.56E-01
939	490836.72	3860985.12	0.0348	0.18745	0.0084	0.01317	5.69E-03	1.45E-01	1.62E-03	9.70E-04	1.54E-01	5.61E-03	6.30E-06	1.78E-05	2.84E-05	5.66E-03	6.81E-03	1.45E-01	1.62E-03	9.70E-04	1.55E-01
940	490086.72	3861035.12	0.03253	0.20301	0.0077	0.01321	5.32E-03	1.57E-01	1.48E-03	9.73E-04	1.65E-01	5.24E-03	6.82E-06	1.63E-05	2.84E-05	5.29E-03	6.37E-03	1.57E-01	1.48E-03	9.73E-04	1.66E-01
941	490136.72	3861035.12	0.03254	0.20169	0.0078	0.01317	5.32E-03	1.56E-01	1.51E-03	9.70E-04	1.64E-01	5.24E-03	6.78E-06	1.66E-05	2.84E-05	5.29E-03	6.37E-03	1.56E-01	1.51E-03	9.70E-04	1.65E-01
942	490186.72	3861035.12	0.03255	0.20023	0.0079	0.01314	5.32E-03	1.55E-01	1.54E-03	9.67E-04	1.63E-01	5.24E-03	6.73E-06	1.68E-05	2.83E-05	5.30E-03	6.37E-03	1.55E-01	1.54E-03	9.67E-04	1.64E-01
943	490236.72	3861035.12	0.03257	0.19883	0.008	0.0131	5.33E-03	1.54E-01	1.56E-03	9.64E-04	1.62E-01	5.25E-03	6.68E-06	1.71E-05	2.82E-05	5.30E-03	6.37E-03	1.54E-01	1.56E-03	9.64E-04	1.63E-01
944	490286.72	3861035.12	0.03257	0.19708	0.0081	0.01305	5.33E-03	1.53E-01	1.57E-03	9.61E-04	1.61E-01	5.25E-03	6.62E-06	1.72E-05	2.81E-05	5.30E-03	6.37E-03	1.53E-01	1.57E-03	9.61E-04	1.62E-01
945	490336.72	3861035.12	0.0326	0.19538	0.0081	0.013	5.33E-03	1.52E-01	1.58E-03	9.57E-04	1.59E-01	5.25E-03	6.56E-06	1.73E-05	2.80E-05	5.30E-03	6.38E-03	1.52E-01	1.58E-03	9.57E-04	1.60E-01
946	490386.72	3861035.12	0.03271	0.19401	0.0082	0.01297	5.35E-03	1.50E-01	1.59E-03	9.55E-04	1.58E-01	5.27E-03	6.52E-06	1.74E-05	2.79E-05	5.32E-03	6.40E-03	1.51E-01	1.59E-03	9.55E-04	1.59E-01
947	490436.72	3861035.12	0.03284	0.19258	0.0082	0.01293	5.37E-03	1.49E-01	1.59E-03	9.52E-04	1.57E-01	5.29E-03	6.47E-06	1.75E-05	2.78E-05	5.34E-03	6.43E-03	1.49E-01	1.59E-03	9.52E-04	1.58E-01
948	490486.72	3861035.12	0.03296	0.19083	0.0082	0.01288	5.39E-03	1.48E-01	1.60E-03	9.48E-04	1.56E-01	5.31E-03	6.41E-06	1.75E-05	2.77E-05	5.36E-03	6.45E-03	1.48E-01	1.60E-03	9.48E-04	1.57E-01
949	490536.72	3861035.12	0.03307	0.18895	0.0082	0.01281	5.41E-03	1.47E-01	1.60E-03	9.43E-04	1.55E-01	5.33E-03	6.35E-06	1.75E-05	2.76E-05	5.38E-03	6.47E-03	1.47E-01	1.60E-03	9.43E-04	1.56E-01
950	490586.72	3861035.12	0.0332	0.18702	0.0082	0.01273	5.43E-03	1.45E-01	1.59E-03	9.37E-04	1.53E-01	5.35E-03	6.28E-06	1.75E-05	2.74E-05	5.40E-03	6.50E-03	1.45E-01	1.59E-03	9.37E-04	1.54E-01
951	490636.72	3861035.12	0.03334	0.18508	0.0082	0.01266	5.45E-03	1.44E-01	1.59E-03	9.32E-04	1.52E-01	5.37E-03	6.22E-06	1.75E-05	2.73E-05	5.42E-03	6.52E-03	1.44E-01	1.59E-03	9.32E-04	1.53E-01
952	490686.72	3861035.12	0.0335	0.18315	0.0082	0.01259	5.48E-03	1.42E-01	1.59E-03	9.27E-04	1.50E-01	5.40E-03	6.15E-06	1.74E-05	2.71E-05	5.45E-03	6.56E-03	1.42E-01	1.59E-03	9.27E-04	1.51E-01
953	490736.72	3861035.12	0.03365	0.18127	0.0082	0.01252	5.50E-03	1.41E-01	1.59E-03	9.22E-04	1.49E-01	5.42E-03	6.09E-06	1.74E-05	2.70E-05	5.47E-03	6.58E-03	1.41E-01	1.59E-03	9.22E-04	1.50E-01
954	490786.72	3861035.12	0.03383	0.17954	0.0082	0.01247	5.53E-03	1.39E-01	1.59E-03	9.18E-04	1.47E-01	5.45E-03	6.03E-06	1.74E-05	2.68E-05	5.50E-03	6.62E-03	1.39E-01	1.59E-03	9.18E-04	1.48E-01
955	490836.72	3861035.12	0.03401	0.17789	0.0082	0.01243	5.56E-03	1.38E-01	1.59E-03	9.15E-04	1.46E-01	5.48E-03	5.98E-06	1.75E-05	2.68E-05	5.53E-03	6.66E-03	1.38E-01	1.59E-03	9.15E-04	1.47E-01
956	490086.72	3861085.12	0.03193	0.18878	0.0075	0.01234	5.22E-03	1.46E-01	1.44E-03	9.09E-04	1.54E-01	5.14E-03	6.34E-06	1.58E-05	2.66E-05	5.19E-03	6.25E-03	1.46E-01	1.44E-03	9.09E-04	1.55E-01
957	490136.72	3861085.12	0.03198	0.18806	0.0076	0.01232	5.23E-03	1.46E-01	1.48E-03	9.07E-04	1.53E-01	5.15E-03	6.32E-06	1.62E-05	2.65E-05	5.20E-03	6.26E-03	1.46E-01	1.48E-03	9.07E-04	1.55E-01
958	490186.72	3861085.12	0.03203	0.18732	0.0078	0.0123	5.24E-03	1.45E-01	1.50E-03	9.06E-04	1.53E-01	5.16E-03	6.29E-06	1.65E-05	2.65E-05	5.21E-03	6.27E-03	1.45E-01	1.50E-03	9.06E-04	1.54E-01
959	490236.72	3861085.12	0.032	0.18599	0.0079	0.01226	5.23E-03	1.44E-01	1.53E-03	9.03E-04	1.52E-01	5.16E-03	6.25E-06	1.67E-05	2.64E-05	5.21E-03	6.26E-03	1.44E-01	1.53E-03	9.03E-04	1.53E-01
960	490286.72	3861085.12	0.03199	0.18467	0.008	0.01223	5.23E-03	1.43E-01	1.54E-03	9.00E-04	1.51E-01	5.15E-03	6.20E-06	1.69E-05	2.63E-05	5.20E-03	6.26E-03	1.43E-01	1.54E-03	9.00E-04	1.52E-01
961	490336.72	3861085.12	0.03199	0.18331	0.008	0.01219	5.23E-03	1.42E-01	1.55E-03	8.97E-04	1.50E-01	5.15E-03	6.16E-06	1.70E-05	2.62E-05	5.20E-03	6.26E-03	1.42E-01	1.55E-03	8.97E-04	1.51E-01
962	490386.72	3861085.12	0.03207	0.18225	0.0081	0.01218	5.25E-03	1.41E-01	1.56E-03	8.97E-04	1.49E-01	5.17E-03	6.12E-06	1.71E-05	2.62E-05	5.22E-03	6.28E-03	1.41E-01	1.56E-03	8.97E-04	1.50E-01
963	490436.72	3861085.12	0.03214	0.18097	0.0081	0.01215	5.26E-03	1.40E-01	1.57E-03	8.95E-04	1.48E-01	5.18E-03	6.08E-06	1.72E-05	2.62E-05	5.23E-03	6.29E-03	1.40E-01	1.57E-03	8.95E-04	1.49E-01
964	490486.72	3861085.12	0.03223	0.17961	0.0081	0.01211	5.27E-03	1.39E-01	1.57E-03	8.92E-04	1.47E-01	5.19E-03	6.03E-06	1.72E-05	2.61E-05	5.24E-03	6.31E-03	1.39E-01	1.57E-03	8.92E-04	1.48E-01
965	490536.72	3861085.12	0.03236	0.17833	0.0081	0.01207	5.29E-03	1.38E-01	1.57E-03	8.89E-04	1.46E-01	5.21E-03	5.99E-06	1.73E-05	2.60E-05	5.26E-03	6.33E-03	1.38E-01	1.57E-03	8.89E-04	1.47E-01
966	490586.72	3861085.12	0.03247	0.17671	0.0081	0.01201	5.31E-03	1.37E-01	1.57E-03	8.84E-04	1.45E-01	5.23E-03	5.94E-06	1.72E-05	2.59E-05	5.28E-03	6.35E-03	1.37E-01	1.57E-03	8.84E-04	1.46E-01
967	490636.72	3861085.12	0.03257	0.17493	0.0081	0.01195	5.33E-03	1.36E-01	1.57E-03	8.80E-04	1.43E-01	5.25E-03	5.88E-06	1.72E-05	2.57E-05	5.30E-03	6.37E-03	1.36E-01	1.57E-03	8.80E-04	1.45E-01
968	490686.72	3861085.12	0.03271	0.17329	0.0081	0.01189	5.35E-03	1.34E-01	1.57E-03	8.75E-04	1.42E-01	5.27E-03	5.82E-06	1.72E-05	2.56E-05	5.32E-03	6.40E-03	1.34E-01	1.57E-03	8.75E-04	1.43E-01
969	490736.72	3861085.12	0.03287	0.17177	0.0081	0.01184	5.38E-03	1.33E-01	1.57E-03	8.72E-04	1.41E-01	5.30E-03	5.77E-06	1.72E-05	2.55E-05	5.34E-03	6.43E-03	1.33E-01	1.57E-03	8.72E-04	1.42E-01
970	490786.72	3861085.12	0.03305	0.17028	0.0081	0.01179	5.41E-03	1.32E-01	1.57E-03	8.68E-04	1.40E-01	5.33E-03	5.72E-06	1.72E-05	2.54E-05	5.37E-03	6.47E-03	1.32E-01	1.57E-03	8.68E-04	1.41E-01
971	490836.72	3861085.12	0.03322	0.16881	0.0081	0.01175	5.43E-03	1.31E-01	1.57E-03	8.65E-04	1.39E-01	5.35E-03	5.67E-06	1.72E-05	2.53E-05	5.40E-03	6.50E-03	1.31E-01	1.57E-03	8.65E-04	1.40E-01
972	490086.72	3861135.12	0.03134	0.17593	0.0072	0.01156	5.13E-03	1.36E-01	1.40E-03	8.51E-04	1.44E-01	5.05E-03	5.91E-06	1.54E-05	2.49E-05	5.10E-03	6.13E-03	1.36E-01	1.40E-03	8.51E-04	1.45E-01

973	490136.72	3861135.12	0.03138	0.17536	0.0074	0.01154	5.13E-03	1.36E-01	1.44E-03	8.50E-04	1.43E-01	5.06E-03	5.89E-06	1.58E-05	2.48E-05	5.10E-03	6.14E-03	1.36E-01	1.44E-03	8.50E-04	1.44E-01
974	490186.72	3861135.12	0.03142	0.17482	0.0076	0.01153	5.14E-03	1.36E-01	1.47E-03	8.49E-04	1.43E-01	5.06E-03	5.87E-06	1.61E-05	2.48E-05	5.11E-03	6.15E-03	1.36E-01	1.47E-03	8.49E-04	1.44E-01
975	490236.72	3861135.12	0.03144	0.17412	0.0077	0.01151	5.14E-03	1.35E-01	1.49E-03	8.47E-04	1.43E-01	5.07E-03	5.85E-06	1.64E-05	2.48E-05	5.11E-03	6.15E-03	1.35E-01	1.49E-03	8.47E-04	1.44E-01
976	490286.72	3861135.12	0.03144	0.17323	0.0078	0.01149	5.14E-03	1.34E-01	1.51E-03	8.46E-04	1.42E-01	5.07E-03	5.82E-06	1.66E-05	2.47E-05	5.11E-03	6.15E-03	1.34E-01	1.51E-03	8.46E-04	1.43E-01
977	490336.72	3861135.12	0.03143	0.1722	0.0079	0.01147	5.14E-03	1.34E-01	1.53E-03	8.44E-04	1.41E-01	5.06E-03	5.78E-06	1.67E-05	2.47E-05	5.11E-03	6.15E-03	1.34E-01	1.53E-03	8.44E-04	1.42E-01
978	490386.72	3861135.12	0.03146	0.1713	0.0079	0.01145	5.15E-03	1.33E-01	1.54E-03	8.43E-04	1.40E-01	5.07E-03	5.75E-06	1.69E-05	2.46E-05	5.12E-03	6.16E-03	1.33E-01	1.54E-03	8.43E-04	1.41E-01
979	490436.72	3861135.12	0.0315	0.17027	0.008	0.01143	5.15E-03	1.32E-01	1.55E-03	8.42E-04	1.40E-01	5.08E-03	5.72E-06	1.69E-05	2.46E-05	5.12E-03	6.16E-03	1.32E-01	1.55E-03	8.42E-04	1.41E-01
980	490486.72	3861135.12	0.03157	0.16925	0.008	0.01141	5.16E-03	1.31E-01	1.55E-03	8.40E-04	1.39E-01	5.09E-03	5.69E-06	1.70E-05	2.46E-05	5.13E-03	6.18E-03	1.31E-01	1.55E-03	8.40E-04	1.40E-01
981	490536.72	3861135.12	0.03166	0.16816	0.008	0.01138	5.18E-03	1.30E-01	1.55E-03	8.38E-04	1.38E-01	5.10E-03	5.65E-06	1.70E-05	2.45E-05	5.15E-03	6.20E-03	1.30E-01	1.55E-03	8.38E-04	1.39E-01
982	490586.72	3861135.12	0.03175	0.16691	0.008	0.01135	5.19E-03	1.29E-01	1.55E-03	8.36E-04	1.37E-01	5.12E-03	5.61E-06	1.70E-05	2.44E-05	5.16E-03	6.21E-03	1.29E-01	1.55E-03	8.36E-04	1.38E-01
983	490636.72	3861135.12	0.03184	0.16547	0.008	0.0113	5.21E-03	1.28E-01	1.55E-03	8.32E-04	1.36E-01	5.13E-03	5.56E-06	1.70E-05	2.43E-05	5.18E-03	6.23E-03	1.28E-01	1.55E-03	8.32E-04	1.37E-01
984	490686.72	3861135.12	0.03197	0.16418	0.008	0.01125	5.23E-03	1.27E-01	1.55E-03	8.28E-04	1.35E-01	5.15E-03	5.52E-06	1.70E-05	2.42E-05	5.20E-03	6.26E-03	1.27E-01	1.55E-03	8.28E-04	1.36E-01
985	490736.72	3861135.12	0.03213	0.16293	0.008	0.01122	5.26E-03	1.26E-01	1.55E-03	8.26E-04	1.34E-01	5.18E-03	5.47E-06	1.70E-05	2.42E-05	5.22E-03	6.29E-03	1.26E-01	1.55E-03	8.26E-04	1.35E-01
986	490786.72	3861135.12	0.0323	0.16165	0.008	0.01118	5.28E-03	1.25E-01	1.55E-03	8.23E-04	1.33E-01	5.20E-03	5.43E-06	1.69E-05	2.41E-05	5.25E-03	6.32E-03	1.25E-01	1.55E-03	8.23E-04	1.34E-01
987	490836.72	3861135.12	0.03246	0.16034	0.008	0.01114	5.31E-03	1.24E-01	1.55E-03	8.20E-04	1.32E-01	5.23E-03	5.39E-06	1.69E-05	2.40E-05	5.28E-03	6.35E-03	1.24E-01	1.55E-03	8.20E-04	1.33E-01
988	490086.72	3861185.12	0.03077	0.16441	0.007	0.01088	5.03E-03	1.28E-01	1.36E-03	8.01E-04	1.35E-01	4.96E-03	5.52E-06	1.49E-05	2.34E-05	5.00E-03	6.02E-03	1.28E-01	1.36E-03	8.01E-04	1.36E-01
989	490136.72	3861185.12	0.03077	0.16371	0.0072	0.01085	5.03E-03	1.27E-01	1.40E-03	7.99E-04	1.34E-01	4.96E-03	5.50E-06	1.53E-05	2.34E-05	5.00E-03	6.02E-03	1.27E-01	1.40E-03	7.99E-04	1.35E-01
990	490186.72	3861185.12	0.03079	0.16324	0.0074	0.01083	5.04E-03	1.27E-01	1.43E-03	7.97E-04	1.34E-01	4.96E-03	5.48E-06	1.57E-05	2.33E-05	5.01E-03	6.02E-03	1.27E-01	1.43E-03	7.97E-04	1.35E-01
991	490236.72	3861185.12	0.03082	0.16281	0.0075	0.01082	5.04E-03	1.26E-01	1.46E-03	7.97E-04	1.34E-01	4.97E-03	5.47E-06	1.60E-05	2.33E-05	5.01E-03	6.03E-03	1.26E-01	1.46E-03	7.97E-04	1.35E-01
992	490286.72	3861185.12	0.03087	0.16246	0.0076	0.01082	5.05E-03	1.26E-01	1.48E-03	7.97E-04	1.33E-01	4.97E-03	5.46E-06	1.62E-05	2.33E-05	5.02E-03	6.04E-03	1.26E-01	1.48E-03	7.97E-04	1.34E-01
993	490336.72	3861185.12	0.03081	0.16144	0.0077	0.01079	5.04E-03	1.25E-01	1.50E-03	7.94E-04	1.33E-01	4.96E-03	5.42E-06	1.64E-05	2.32E-05	5.01E-03	6.03E-03	1.25E-01	1.50E-03	7.94E-04	1.34E-01
994	490386.72	3861185.12	0.03083	0.16082	0.0078	0.01078	5.04E-03	1.25E-01	1.51E-03	7.94E-04	1.32E-01	4.97E-03	5.40E-06	1.65E-05	2.32E-05	5.01E-03	6.03E-03	1.25E-01	1.51E-03	7.94E-04	1.33E-01
995	490436.72	3861185.12	0.03089	0.16028	0.0078	0.01078	5.05E-03	1.24E-01	1.52E-03	7.94E-04	1.32E-01	4.98E-03	5.38E-06	1.67E-05	2.32E-05	5.02E-03	6.04E-03	1.24E-01	1.52E-03	7.94E-04	1.33E-01
996	490486.72	3861185.12	0.03093	0.15947	0.0079	0.01077	5.06E-03	1.24E-01	1.53E-03	7.93E-04	1.31E-01	4.98E-03	5.36E-06	1.67E-05	2.32E-05	5.03E-03	6.05E-03	1.24E-01	1.53E-03	7.93E-04	1.32E-01
997	490536.72	3861185.12	0.03105	0.15895	0.0079	0.01077	5.08E-03	1.23E-01	1.53E-03	7.93E-04	1.31E-01	5.00E-03	5.34E-06	1.68E-05	2.32E-05	5.05E-03	6.08E-03	1.23E-01	1.53E-03	7.93E-04	1.32E-01
998	490586.72	3861185.12	0.0311	0.15788	0.0079	0.01074	5.09E-03	1.22E-01	1.53E-03	7.91E-04	1.30E-01	5.01E-03	5.30E-06	1.68E-05	2.31E-05	5.06E-03	6.09E-03	1.22E-01	1.53E-03	7.91E-04	1.31E-01
999	490636.72	3861185.12	0.03114	0.15655	0.0079	0.01069	5.09E-03	1.21E-01	1.53E-03	7.87E-04	1.29E-01	5.02E-03	5.26E-06	1.68E-05	2.30E-05	5.06E-03	6.09E-03	1.21E-01	1.53E-03	7.87E-04	1.30E-01
1000	490686.72	3861185.12	0.03125	0.15549	0.0079	0.01066	5.11E-03	1.21E-01	1.53E-03	7.85E-04	1.28E-01	5.04E-03	5.22E-06	1.68E-05	2.29E-05	5.08E-03	6.12E-03	1.21E-01	1.53E-03	7.85E-04	1.29E-01
1001	490736.72	3861185.12	0.03142	0.1546	0.0079	0.01064	5.14E-03	1.20E-01	1.53E-03	7.83E-04	1.27E-01	5.06E-03	5.19E-06	1.68E-05	2.29E-05	5.11E-03	6.15E-03	1.20E-01	1.53E-03	7.83E-04	1.28E-01
1002	490786.72	3861185.12	0.03158	0.15359	0.0079	0.01062	5.17E-03	1.19E-01	1.53E-03	7.82E-04	1.27E-01	5.09E-03	5.16E-06	1.68E-05	2.29E-05	5.13E-03	6.18E-03	1.19E-01	1.53E-03	7.82E-04	1.28E-01
1003	490836.72	3861185.12	0.03174	0.15249	0.0079	0.01058	5.19E-03	1.18E-01	1.53E-03	7.79E-04	1.26E-01	5.11E-03	5.12E-06	1.67E-05	2.28E-05	5.16E-03	6.21E-03	1.18E-01	1.53E-03	7.79E-04	1.27E-01
1004	490086.72	3861235.12	0.0302	0.15404	0.0068	0.01027	4.94E-03	1.19E-01	1.32E-03	7.56E-04	1.27E-01	4.87E-03	5.17E-06	1.45E-05	2.21E-05	4.91E-03	5.91E-03	1.19E-01	1.32E-03	7.56E-04	1.27E-01
1005	490136.72	3861235.12	0.03021	0.15351	0.007	0.01025	4.94E-03	1.19E-01	1.36E-03	7.55E-04	1.26E-01	4.87E-03	5.16E-06	1.49E-05	2.21E-05	4.91E-03	5.91E-03	1.19E-01	1.36E-03	7.55E-04	1.27E-01
1006	490186.72	3861235.12	0.03025	0.15317	0.0072	0.01023	4.95E-03	1.19E-01	1.39E-03	7.53E-04	1.26E-01	4.87E-03	5.15E-06	1.53E-05	2.20E-05	4.92E-03	5.92E-03	1.19E-01	1.39E-03	7.53E-04	1.27E-01
1007	490236.72	3861235.12	0.03023	0.1526	0.0073	0.01021	4.94E-03	1.18E-01	1.42E-03	7.52E-04	1.25E-01	4.87E-03	5.13E-06	1.56E-05	2.20E-05	4.91E-03	5.92E-03	1.18E-01	1.42E-03	7.52E-04	1.26E-01
1008	490386.72	3861235.12	0.03024	0.15115	0.0076	0.01018	4.95E-03	1.17E-01	1.48E-03	7.49E-04	1.24E-01	4.87E-03	5.08E-06	1.62E-05	2.19E-05	4.92E-03	5.92E-03	1.17E-01	1.48E-03	7.49E-04	1.25E-01
1009	490436.72	3861235.12	0.03024	0.15057	0.0077	0.01017	4.95E-03	1.17E-01	1.49E-03	7.49E-04	1.24E-01	4.87E-03	5.06E-06	1.64E-05	2.19E-05	4.92E-03	5.92E-03	1.17E-01	1.49E-03	7.49E-04	1.25E-01
1010	490486.72	3861235.12	0.03027	0.15003	0.0077	0.01016	4.95E-03	1.16E-01	1.50E-03	7.48E-04	1.24E-01	4.88E-03	5.04E-06	1.64E-05	2.19E-05	4.92E-03	5.92E-03	1.16E-01	1.50E-03	7.48E-04	1.25E-01
1011	490536.72	3861235.12	0.03041	0.14996	0.0078	0.01018	4.97E-03	1.16E-01	1.51E-03	7.49E-04	1.24E-01	4.90E-03	5.04E-06	1.66E-05	2.19E-05	4.94E-03	5.95E-03	1.16E-01	1.51E-03	7.49E-04	1.25E-01
1012	490586.72	3861235.12	0.03052	0.14954	0.0078	0.01019	4.99E-03	1.16E-01	1.52E-03	7.50E-04	1.23E-01	4.92E-03	5.02E-06	1.66E-05	2.19E-05	4.96E-03	5.97E-03	1.16E-01	1.52E-03	7.50E-04	1.24E-01
1013	490636.72	3861235.12	0.03048	0.14818	0.0078	0.01014	4.99E-03	1.15E-01	1.51E-03	7.47E-04	1.22E-01	4.91E-03	4.98E-06	1.66E-05	2.18E-05	4.95E-03	5.96E-03	1.15E-01	1.51E-03	7.47E-04	1.23E-01
1014	490686.72	3861235.12	0.03058	0.14738	0.0078	0.01012	5.00E-03	1.14E-01	1.51E-03	7.45E-04	1.22E-01	4.93E-03	4.95E-06	1.66E-05	2.18E-05	4.97E-03	5.98E-03	1.14E-01	1.51E-03	7.45E-04	1.23E-01
1015	490736.72	3861235.12	0.03073	0.14671	0.0078	0.01011	5.03E-03	1.14E-01	1.51E-03	7.44E-04	1.21E-01	4.95E-03	4.93E-06	1.66E-05	2.18E-05	4.99E-03	6.01E-03	1.14E-01	1.51E-03	7.44E-04	1.22E-01
1016	490786.72	3861235.12	0.0309	0.146	0.0078	0.0101	5.05E-03	1.13E-01	1.51E-03	7.44E-04	1.21E-01	4.98E-03	4.90E-06	1.66E-05	2.17E-05	5.02E-03	6.05E-03	1.13E-01	1.51E-03	7.44E-04	1.22E-01
1017	490836.72	3861235.12	0.03104	0.14509	0.0078	0.01008	5.08E-03	1.13E-01	1.51E-03	7.42E-04	1.20E-01	5.00E-03	4.87E-06	1.65E-05	2.17E-05	5.04E-03	6.07E-03	1.13E-01	1.51E-03	7.42E-04	1.21E-01
1018	490086.72	3861285.12	0.02969	0.14505	0.0066	0.00975	4.86E-03	1.13E-01	1.28E-03	7.18E-04	1.19E-01	4.78E-03	4.87E-06	1.41E-05	2.10E-05	4.82E-03	5.81E-03	1.13E-01	1.28E-03	7.18E-04	1.20E-01
1019	490136.72	3861285.12	0.02976	0.14487	0.0068	0.00974	4.87E-03	1.12E-01	1.32E-03	7.17E-04	1.19E-01	4.80E-03	4.87E-06	1.45E-05	2.10E-05	4.84E-03	5.82E-03	1.12E-01	1.32E-03	7.17E-04	1.20E-01
1020	490186.72	3861285.12	0.02973	0.14421	0.007	0.00971	4.86E-03	1.12E-01	1.36E-03	7.15E-04	1.19E-01	4.79E-03	4.84E-06	1.49E-05	2.09E-05	4.83E-03	5.82E-03	1.12E-01	1.36E-03	7.15E-04	1.20E-01
1021	490236.72	3861285.12	0.02972	0.14373	0.0071	0.00969	4.86E-03	1.11E-01	1.38E-03	7.13E-04	1.18E-01	4.79E-03	4.83E-06	1.52E-05	2.09E-05	4.83E-03	5.82E-03	1.11E-01	1.38E-03	7.13E-04	1.19E-01
1022	490386.72	3861285.12	0.02971	0.14251	0.0075	0.00965	4.86E-03	1.11E-01	1.45E-03	7.10E-04	1.18E-01	4.79E-03	4.79E-06	1.59E-05	2.08E-05	4.83E-03	5.81E-03	1.11E-01	1.45E-03	7.10E-04	1.19E-01
1023	490436.72	3861285.12	0.02973	0.14223	0.0076	0.00965	4.86E-03	1.10E-01	1.47E-03	7.10E-04	1.17E-01	4.79E-03	4.78E-06	1.61E-05	2.08E-05	4.83E-03	5.82E-03	1.10E-01	1.47E-03	7.10E-04	1.18E-01
1024	490486.72	3861285.12	0.02973	0.14172	0.0076	0.00964	4.86E-03	1.10E-01	1.48E-03	7.10E-04	1.17E-01	4.79E-03	4.76E-06	1.62E-05	2.08E-05	4.83E-03	5.82E-03	1.10E-01	1.48E-03	7.10E-04	1.18E-01
1025	490536.72	3861285.12	0.02977	0.14135	0.0077	0.00964	4.87E-03	1.10E-01	1.48E-03	7.10E-04	1.17E-01	4.80E-03	4.75E-06	1.63E-05	2.08E-05	4.84E-03	5.83E-03	1.10E-01	1.48E-03	7.10E-04	1.18E-01
1026	490586.72	3861285.12	0.02984	0.14102	0.0077	0.00964	4.88E-03	1.09E-01	1.49E-03	7.10E-04	1.16E-01	4.81E-03	4.74E-06	1.63E-05	2.08E-05	4.85E-03	5.84E-03	1.09E-01	1.49E-03	7.10E-04	1.17E-01
1027	490636.72	3861285.12	0.02984	0.1402	0.0077	0.00962	4.88E-03	1.09E-01	1.49E-03	7.08E-04	1.16E-01	4.81E-03	4.71E-06	1.63E-05	2.07E-05	4.85E-03	5.84E-03	1.09E-01	1.49E-03	7.08E-04	1.17E-01
1028	490686.72	3861285.12	0.02993	0.13964	0.0077	0.00962	4.90E-03	1.08E-01	1.49E-03	7.08E-04	1.15E-01	4.82E-03	4.69E-06	1.64E-05	2.07E-05	4.86E-03	5.86E-03	1.08E-01	1.49E-03	7.08E-04	1.16E-01
1029	490736.72	3861285.12	0.03009	0.13937	0.0077	0.00963	4.92E-03	1.08E-01	1.50E-03	7.09E-04	1.15E-01	4.85E-03	4.68E-06	1.64E-05	2.07E-05	4.89E-03	5.89E-03	1.08E-01	1.50E-03	7.09E-04	1.16E-01
1030	490786.72	3861285.12	0.03021	0.13868	0.0077	0.00961	4.94E-03	1.08E-01	1.49E-03	7.08E-04	1.15E-01	4.87E-03	4.66E-06	1.64E-05	2.07E-05	4.91E-03	5.91E-03	1.08E-01	1.49E-03	7.08E-04	1.16E-01
1031	490836.72	3861285.12	0.03032	0.13783	0.0077	0.00959	4.96E-03	1.07E-01	1.49E-03	7.06E-04	1.14E-01	4.89E-03	4.63E-06	1.63E-05	2.06E-05	4.93E-03	5.93E-03	1.07E-01	1.49E-03	7.06E-04	1.15E-01
1032	490061.24	3859716.13	0.0566	0.51404	0.0152	0.07537	9.26E-03	3.99E-01	2.95E-03	5.55E-03	4.16E-01	9.12E-03	1.73E-05	3.24E-05	1.62E-04	9.33E-03	1.11E-02	3.99E-01	2.95E-03	5.55E-03	4.18E-01
1033	490111.24	3859716.13	0.05613	0.50313	0.0154	0.07277	9.18E-03	3.90E-01	2.98E-03	5.36E-03	4.08E-01	9.04E-03	1.69E-05	3.27E-05	1.57E-04	9.25E-03	1.10E-02	3.90E-01	2.98E-03	5.36E-03	4.10E-01

1034	490161.24	3859716.13	0.05561	0.49277	0.0155	0.07037	9.10E-03	3.82E-01	3.01E-03	5.18E-03	4.00E-01	8.96E-03	1.66E-05	3.30E-05	1.51E-04	9.16E-03	1.09E-02	3.82E-01	3.01E-03	5.18E-03	4.01E-01
1035	490211.24	3859716.13	0.05509	0.48357	0.0156	0.06816	9.01E-03	3.75E-01	3.02E-03	5.02E-03	3.92E-01	8.88E-03	1.62E-05	3.31E-05	1.47E-04	9.07E-03	1.08E-02	3.75E-01	3.02E-03	5.02E-03	3.94E-01
1036	490061.24	3859766.13	0.05595	0.51246	0.0147	0.07346	9.15E-03	3.98E-01	2.84E-03	5.41E-03	4.15E-01	9.02E-03	1.72E-05	3.11E-05	1.58E-04	9.22E-03	1.09E-02	3.98E-01	2.84E-03	5.41E-03	4.17E-01
1037	490111.24	3859766.13	0.05552	0.50204	0.0148	0.07094	9.08E-03	3.89E-01	2.87E-03	5.22E-03	4.07E-01	8.95E-03	1.69E-05	3.15E-05	1.53E-04	9.15E-03	1.09E-02	3.89E-01	2.87E-03	5.22E-03	4.08E-01
1038	490161.24	3859766.13	0.05505	0.4928	0.0149	0.06862	9.00E-03	3.82E-01	2.90E-03	5.05E-03	3.99E-01	8.87E-03	1.66E-05	3.17E-05	1.48E-04	9.07E-03	1.08E-02	3.82E-01	2.90E-03	5.05E-03	4.01E-01
1039	490211.24	3859766.13	0.05458	0.48252	0.015	0.06642	8.93E-03	3.74E-01	2.92E-03	4.89E-03	3.91E-01	8.79E-03	1.62E-05	3.20E-05	1.43E-04	8.99E-03	1.07E-02	3.74E-01	2.92E-03	4.89E-03	3.93E-01
1040	490061.24	3859816.13	0.0552	0.51186	0.0141	0.07144	9.03E-03	3.97E-01	2.73E-03	5.26E-03	4.14E-01	8.89E-03	1.72E-05	2.99E-05	1.54E-04	9.10E-03	1.08E-02	3.97E-01	2.73E-03	5.26E-03	4.16E-01
1041	490111.24	3859816.13	0.05481	0.50256	0.0143	0.06901	8.96E-03	3.90E-01	2.76E-03	5.08E-03	4.07E-01	8.83E-03	1.69E-05	3.03E-05	1.49E-04	9.03E-03	1.07E-02	3.90E-01	2.76E-03	5.08E-03	4.08E-01
1042	490161.24	3859816.13	0.05441	0.49204	0.0144	0.06671	8.90E-03	3.82E-01	2.79E-03	4.91E-03	3.98E-01	8.77E-03	1.65E-05	3.06E-05	1.44E-04	8.96E-03	1.06E-02	3.82E-01	2.79E-03	4.91E-03	4.00E-01
1043	490211.24	3859816.13	0.05397	0.48176	0.0145	0.06458	8.83E-03	3.74E-01	2.82E-03	4.75E-03	3.90E-01	8.70E-03	1.62E-05	3.09E-05	1.39E-04	8.88E-03	1.06E-02	3.74E-01	2.82E-03	4.75E-03	3.92E-01
1044	490061.24	3859866.13	0.05437	0.51312	0.0135	0.06935	8.89E-03	3.98E-01	2.62E-03	5.11E-03	4.15E-01	8.76E-03	1.72E-05	2.88E-05	1.49E-04	8.96E-03	1.06E-02	3.98E-01	2.62E-03	5.11E-03	4.16E-01
1045	490111.24	3859866.13	0.05407	0.50221	0.0137	0.06696	8.84E-03	3.90E-01	2.66E-03	4.93E-03	4.06E-01	8.71E-03	1.69E-05	2.92E-05	1.44E-04	8.90E-03	1.06E-02	3.90E-01	2.66E-03	4.93E-03	4.08E-01
1046	490161.24	3859866.13	0.05373	0.49148	0.0139	0.06472	8.79E-03	3.81E-01	2.69E-03	4.76E-03	3.97E-01	8.66E-03	1.65E-05	2.95E-05	1.39E-04	8.84E-03	1.05E-02	3.81E-01	2.69E-03	4.76E-03	3.99E-01
1047	490211.24	3859866.13	0.05335	0.48101	0.014	0.06264	8.73E-03	3.73E-01	2.72E-03	4.61E-03	3.89E-01	8.60E-03	1.62E-05	2.98E-05	1.35E-04	8.78E-03	1.04E-02	3.73E-01	2.72E-03	4.61E-03	3.91E-01
1048	490061.24	3859916.13	0.05347	0.51365	0.013	0.06713	8.75E-03	3.98E-01	2.52E-03	4.94E-03	4.15E-01	8.62E-03	1.73E-05	2.76E-05	1.45E-04	8.81E-03	1.05E-02	3.98E-01	2.52E-03	4.94E-03	4.16E-01
1049	490111.24	3859916.13	0.05325	0.50226	0.0132	0.0648	8.71E-03	3.90E-01	2.56E-03	4.77E-03	4.06E-01	8.58E-03	1.69E-05	2.81E-05	1.39E-04	8.76E-03	1.04E-02	3.90E-01	2.56E-03	4.77E-03	4.07E-01
1050	490161.24	3859916.13	0.05297	0.49125	0.0134	0.06265	8.66E-03	3.81E-01	2.59E-03	4.61E-03	3.97E-01	8.54E-03	1.65E-05	2.84E-05	1.35E-04	8.71E-03	1.04E-02	3.81E-01	2.59E-03	4.61E-03	3.99E-01
1051	490211.24	3859916.13	0.05263	0.48058	0.0135	0.06066	8.61E-03	3.73E-01	2.63E-03	4.47E-03	3.88E-01	8.48E-03	1.61E-05	2.88E-05	1.31E-04	8.66E-03	1.03E-02	3.73E-01	2.63E-03	4.47E-03	3.90E-01
1052	490229.25	3859815.26	0.05384	0.47802	0.0146	0.06385	8.81E-03	3.71E-01	2.83E-03	4.70E-03	3.87E-01	8.68E-03	1.61E-05	3.10E-05	1.37E-04	8.86E-03	1.05E-02	3.71E-01	2.83E-03	4.70E-03	3.89E-01
1053	490279.25	3859815.26	0.05339	0.46811	0.0147	0.06192	8.73E-03	3.63E-01	2.84E-03	4.56E-03	3.79E-01	8.60E-03	1.57E-05	3.12E-05	1.33E-04	8.78E-03	1.04E-02	3.63E-01	2.84E-03	4.56E-03	3.81E-01
1054	490329.25	3859815.26	0.05293	0.45843	0.0147	0.06012	8.66E-03	3.56E-01	2.85E-03	4.43E-03	3.72E-01	8.53E-03	1.54E-05	3.13E-05	1.29E-04	8.70E-03	1.04E-02	3.56E-01	2.85E-03	4.43E-03	3.73E-01
1055	490379.25	3859815.26	0.05256	0.44875	0.0148	0.05834	8.60E-03	3.48E-01	2.87E-03	4.30E-03	3.64E-01	8.47E-03	1.51E-05	3.15E-05	1.26E-04	8.64E-03	1.03E-02	3.48E-01	2.87E-03	4.30E-03	3.66E-01
1056	490429.25	3859815.26	0.05226	0.43915	0.0149	0.0566	8.55E-03	3.41E-01	2.90E-03	4.17E-03	3.56E-01	8.42E-03	1.48E-05	3.17E-05	1.22E-04	8.59E-03	1.02E-02	3.41E-01	2.90E-03	4.17E-03	3.58E-01
1057	490229.25	3859865.26	0.05321	0.47732	0.0141	0.06195	8.70E-03	3.70E-01	2.73E-03	4.56E-03	3.86E-01	8.57E-03	1.60E-05	3.00E-05	1.33E-04	8.75E-03	1.04E-02	3.70E-01	2.73E-03	4.56E-03	3.88E-01
1058	490279.25	3859865.26	0.05278	0.46727	0.0142	0.06008	8.63E-03	3.62E-01	2.75E-03	4.42E-03	3.78E-01	8.50E-03	1.57E-05	3.01E-05	1.29E-04	8.68E-03	1.03E-02	3.62E-01	2.75E-03	4.42E-03	3.80E-01
1059	490329.25	3859865.26	0.05234	0.45746	0.0143	0.05833	8.56E-03	3.55E-01	2.76E-03	4.29E-03	3.70E-01	8.43E-03	1.54E-05	3.03E-05	1.26E-04	8.60E-03	1.02E-02	3.55E-01	2.76E-03	4.29E-03	3.72E-01
1060	490379.25	3859865.26	0.05194	0.44779	0.0143	0.05665	8.50E-03	3.47E-01	2.78E-03	4.17E-03	3.63E-01	8.37E-03	1.50E-05	3.04E-05	1.22E-04	8.54E-03	1.02E-02	3.47E-01	2.78E-03	4.17E-03	3.64E-01
1061	490429.25	3859865.26	0.05157	0.43831	0.0144	0.05504	8.43E-03	3.40E-01	2.79E-03	4.05E-03	3.55E-01	8.31E-03	1.47E-05	3.06E-05	1.18E-04	8.47E-03	1.01E-02	3.40E-01	2.79E-03	4.05E-03	3.57E-01
1062	490229.25	3859915.26	0.05252	0.47676	0.0136	0.06	8.59E-03	3.70E-01	2.64E-03	4.42E-03	3.85E-01	8.46E-03	1.60E-05	2.89E-05	1.29E-04	8.64E-03	1.03E-02	3.70E-01	2.64E-03	4.42E-03	3.87E-01
1063	490279.25	3859915.26	0.05212	0.46654	0.0137	0.05821	8.52E-03	3.62E-01	2.66E-03	4.29E-03	3.77E-01	8.40E-03	1.57E-05	2.91E-05	1.25E-04	8.57E-03	1.02E-02	3.62E-01	2.66E-03	4.29E-03	3.79E-01
1064	490329.25	3859915.26	0.05172	0.45647	0.0138	0.05651	8.46E-03	3.54E-01	2.68E-03	4.16E-03	3.69E-01	8.33E-03	1.53E-05	2.93E-05	1.22E-04	8.50E-03	1.01E-02	3.54E-01	2.68E-03	4.16E-03	3.71E-01
1065	490379.25	3859915.26	0.05132	0.44664	0.0139	0.0549	8.39E-03	3.46E-01	2.69E-03	4.04E-03	3.62E-01	8.27E-03	1.50E-05	2.95E-05	1.18E-04	8.43E-03	1.00E-02	3.46E-01	2.69E-03	4.04E-03	3.63E-01
1066	490429.25	3859915.26	0.05091	0.43709	0.0139	0.05339	8.33E-03	3.39E-01	2.70E-03	3.93E-03	3.54E-01	8.20E-03	1.47E-05	2.96E-05	1.15E-04	8.36E-03	9.96E-03	3.39E-01	2.70E-03	3.93E-03	3.56E-01
1067	490451.43	3859872.59	0.0513	0.43406	0.0144	0.05414	8.39E-03	3.37E-01	2.78E-03	3.99E-03	3.52E-01	8.27E-03	1.46E-05	3.05E-05	1.17E-04	8.43E-03	1.00E-02	3.37E-01	2.78E-03	3.99E-03	3.54E-01
1068	490501.43	3859872.59	0.05102	0.42479	0.0144	0.0526	8.34E-03	3.30E-01	2.80E-03	3.87E-03	3.45E-01	8.22E-03	1.43E-05	3.07E-05	1.13E-04	8.38E-03	9.98E-03	3.30E-01	2.80E-03	3.87E-03	3.46E-01
1069	490551.43	3859872.59	0.05084	0.41549	0.0146	0.05107	8.32E-03	3.22E-01	2.83E-03	3.76E-03	3.37E-01	8.19E-03	1.40E-05	3.10E-05	1.10E-04	8.35E-03	9.95E-03	3.22E-01	2.83E-03	3.76E-03	3.39E-01
1070	490601.43	3859872.59	0.05069	0.40568	0.0147	0.04966	8.29E-03	3.15E-01	2.86E-03	3.66E-03	3.29E-01	8.17E-03	1.36E-05	3.13E-05	1.07E-04	8.32E-03	9.92E-03	3.15E-01	2.86E-03	3.66E-03	3.31E-01
1071	490451.43	3859922.59	0.05065	0.4327	0.0139	0.0525	8.28E-03	3.36E-01	2.69E-03	3.87E-03	3.50E-01	8.16E-03	1.45E-05	2.95E-05	1.13E-04	8.32E-03	9.91E-03	3.36E-01	2.69E-03	3.87E-03	3.52E-01
1072	490501.43	3859922.59	0.0503	0.42341	0.014	0.05107	8.23E-03	3.28E-01	2.71E-03	3.76E-03	3.43E-01	8.10E-03	1.42E-05	2.97E-05	1.10E-04	8.26E-03	9.84E-03	3.28E-01	2.71E-03	3.76E-03	3.45E-01
1073	490551.43	3859922.59	0.05007	0.41418	0.0141	0.04962	8.19E-03	3.21E-01	2.72E-03	3.65E-03	3.36E-01	8.07E-03	1.39E-05	2.99E-05	1.07E-04	8.22E-03	9.80E-03	3.21E-01	2.72E-03	3.65E-03	3.37E-01
1074	490601.43	3859922.59	0.04991	0.40506	0.0142	0.04822	8.16E-03	3.14E-01	2.75E-03	3.55E-03	3.29E-01	8.04E-03	1.36E-05	3.01E-05	1.04E-04	8.19E-03	9.77E-03	3.14E-01	2.75E-03	3.55E-03	3.30E-01
1075	482129.67	3852241.07	0.03198	0.01299	0.0025	0.00442	5.23E-03	1.01E-02	4.87E-04	3.25E-04	1.61E-02	5.15E-03	4.36E-07	5.34E-06	9.52E-06	5.17E-03	6.26E-03	1.01E-02	4.87E-04	3.25E-04	1.71E-02
1076	482029.67	3852291.07	0.03149	0.01355	0.0025	0.00437	5.15E-03	1.05E-02	4.91E-04	3.22E-04	1.65E-02	5.07E-03	4.55E-07	5.38E-06	9.41E-06	5.09E-03	6.16E-03	1.05E-02	4.91E-04	3.22E-04	1.75E-02
1077	482079.67	3852291.07	0.03207	0.01347	0.0025	0.00441	5.25E-03	1.04E-02	4.91E-04	3.25E-04	1.65E-02	5.17E-03	4.52E-07	5.38E-06	9.49E-06	5.18E-03	6.28E-03	1.04E-02	4.91E-04	3.25E-04	1.75E-02
1078	482129.67	3852291.07	0.03245	0.01335	0.0025	0.00446	5.31E-03	1.04E-02	4.91E-04	3.28E-04	1.65E-02	5.23E-03	4.48E-07	5.38E-06	9.60E-06	5.24E-03	6.35E-03	1.04E-02	4.91E-04	3.28E-04	1.75E-02
1079	482179.67	3852291.07	0.03264	0.01314	0.0025	0.0045	5.34E-03	1.02E-02	4.91E-04	3.31E-04	1.64E-02	5.26E-03	4.41E-07	5.38E-06	9.69E-06	5.27E-03	6.39E-03	1.02E-02	4.91E-04	3.31E-04	1.74E-02
1080	482229.67	3852291.07	0.03268	0.01283	0.0025	0.00455	5.35E-03	9.95E-03	4.93E-04	3.35E-04	1.61E-02	5.27E-03	4.31E-07	5.40E-06	9.80E-06	5.28E-03	6.39E-03	9.95E-03	4.93E-04	3.35E-04	1.72E-02
1081	482029.67	3852341.07	0.03121	0.0139	0.0026	0.00441	5.10E-03	1.08E-02	4.94E-04	3.25E-04	1.67E-02	5.03E-03	4.67E-07	5.42E-06	9.49E-06	5.04E-03	6.11E-03	1.08E-02	4.94E-04	3.25E-04	1.77E-02
1082	482079.67	3852341.07	0.03212	0.01383	0.0026	0.00445	5.25E-03	1.07E-02	4.94E-04	3.28E-04	1.68E-02	5.18E-03	4.65E-07	5.42E-06	9.58E-06	5.19E-03	6.29E-03	1.07E-02	4.94E-04	3.28E-04	1.78E-02
1083	482129.67	3852341.07	0.0327	0.01374	0.0026	0.00449	5.35E-03	1.07E-02	4.94E-04	3.31E-04	1.68E-02	5.27E-03	4.62E-07	5.42E-06	9.67E-06	5.28E-03	6.40E-03	1.07E-02	4.94E-04	3.31E-04	1.79E-02
1084	482179.67	3852341.07	0.0331	0.01358	0.0026	0.00454	5.41E-03	1.05E-02	4.94E-04	3.34E-04	1.68E-02	5.33E-03	4.56E-07	5.42E-06	9.77E-06	5.35E-03	6.48E-03	1.05E-02	4.94E-04	3.34E-04	1.78E-02
1085	482259.06	3852400.14	0.0338	0.01414	0.0026	0.00466	5.53E-03	1.10E-02	5.00E-04	3.43E-04	1.73E-02	5.45E-03	4.75E-07	5.49E-06	1.00E-05	5.46E-03	6.61E-03	1.10E-02	5.00E-04	3.43E-04	1.84E-02
1086	482309.06	3852400.14	0.03407	0.01372	0.0026	0.00471	5.57E-03	1.06E-02	5.00E-04	3.47E-04	1.71E-02	5.49E-03	4.61E-07	5.49E-06	1.01E-05	5.51E-03	6.67E-03	1.06E-02	5.00E-04	3.47E-04	1.82E-02
1087	482209.06	3852450.14	0.03371	0.01463	0.0026	0.00466	5.51E-03	1.13E-02	5.04E-04	3.43E-04	1.77E-02	5.43E-03	4.91E-07	5.53E-06	1.00E-05	5.45E-03	6.60E-03	1.13E-02	5.04E-04	3.43E-04	1.88E-02
1088	482259.06	3852450.14	0.0342	0.01452	0.0026	0.00471	5.59E-03	1.13E-02	5.04E-04	3.47E-04	1.77E-02	5.51E-03	4.88E-07	5.53E-06	1.01E-05	5.53E-03	6.69E-03	1.13E-02	5.04E-04	3.47E-04	1.88E-02
1089	482309.06	3852450.14	0.03462	0.01421	0.0026	0.00476	5.66E-03	1.10E-02	5.04E-04	3.50E-04	1.75E-02	5.58E-03	4.77E-07	5.53E-06	1.02E-05	5.59E-03	6.77E-03	1.10E-02	5.04E-04	3.50E-04	1.87E-02
1090	482209.06	3852500.14	0.03368	0.01497	0.0026	0.00471	5.51E-03	1.16E-02	5.10E-04	3.47E-04	1.80E-02	5.43E-03	5.03E-07	5.59E-06	1.01E-05	5.44E-03	6.59E-03	1.16E-02	5.10E-04	3.47E-04	1.91E-02
1091	482259.06	3852500.14	0.03446	0.01487	0.0026	0.00476	5.64E-03	1.15E-02	5.08E-04	3.50E-04	1.80E-02	5.55E-03	5.00E-07	5.57E-06	1.02E-05	5.57E-03	6.74E-03	1.15E-02	5.08E-04	3.50E-04	1.91E-02
1092	482309.06	3852500.14	0.035	0.01468	0.0026	0.00481	5.72E-03	1.14E-02	5.08E-04	3.54E-04	1.80E-02	5.64E-03	4.93E-07	5.57E-06	1.04E-05	5.66E-03	6.85E-03	1.14E-02	5.08E-04	3.54E-04	1.91E-02
1093	482283.91	3852513.62	0.0348	0.01491	0.0026	0.0048	5.69E-03	1.16E-02	5.10E-04	3.53E-04	1.81E-02	5.61E-03	5.01E-07	5.59E-06	1.03E-05	5.62E-03	6.81E-03	1.16E-02	5.10E-04	3.53E-04	1.92E-02
1094	482333.91	3852513.62	0.03527	0.01475	0.0026	0.00485	5.77E-03	1.14E-02	5.10E-04	3.57E-04	1.81E-02	5.68E-03	4.95E-07	5.59E-06	1.04E-05	5.70E-03	6.90E-03	1.14E-02	5.10E-04	3.57E-04	1.92E-02

1095	482283.91	3852563.62	0.03483	0.01536	0.0027	0.00486	5.70E-03	1.19E-02	5.14E-04	3.58E-04	1.85E-02	5.61E-03	5.16E-07	5.63E-06	1.05E-05	5.63E-03	6.82E-03	1.19E-02	5.14E-04	3.58E-04	1.96E-02
1096	482333.91	3852563.62	0.03551	0.01529	0.0027	0.00491	5.81E-03	1.19E-02	5.14E-04	3.61E-04	1.85E-02	5.72E-03	5.14E-07	5.63E-06	1.06E-05	5.74E-03	6.95E-03	1.19E-02	5.14E-04	3.61E-04	1.97E-02
1097	482383.91	3852563.62	0.03593	0.0152	0.0027	0.00495	5.88E-03	1.18E-02	5.14E-04	3.64E-04	1.85E-02	5.79E-03	5.11E-07	5.63E-06	1.07E-05	5.81E-03	7.03E-03	1.18E-02	5.14E-04	3.64E-04	1.97E-02
1098	482283.91	3852613.62	0.03456	0.01561	0.0027	0.00491	5.65E-03	1.21E-02	5.20E-04	3.61E-04	1.86E-02	5.57E-03	5.24E-07	5.70E-06	1.06E-05	5.59E-03	6.76E-03	1.21E-02	5.20E-04	3.61E-04	1.98E-02
1099	482333.91	3852613.62	0.03562	0.01568	0.0027	0.00496	5.83E-03	1.22E-02	5.20E-04	3.65E-04	1.89E-02	5.74E-03	5.27E-07	5.70E-06	1.07E-05	5.76E-03	6.97E-03	1.22E-02	5.20E-04	3.65E-04	2.00E-02
1100	482383.91	3852613.62	0.03624	0.01569	0.0027	0.00501	5.93E-03	1.22E-02	5.20E-04	3.69E-04	1.90E-02	5.84E-03	5.27E-07	5.70E-06	1.08E-05	5.86E-03	7.09E-03	1.22E-02	5.20E-04	3.69E-04	2.02E-02
1101	482602.38	3852600.87	0.03676	0.0144	0.0027	0.00514	6.01E-03	1.12E-02	5.20E-04	3.78E-04	1.81E-02	5.92E-03	4.84E-07	5.70E-06	1.11E-05	5.94E-03	7.19E-03	1.12E-02	5.20E-04	3.78E-04	1.93E-02
1102	482652.38	3852600.87	0.03643	0.01422	0.0027	0.00516	5.96E-03	1.10E-02	5.22E-04	3.80E-04	1.79E-02	5.87E-03	4.78E-07	5.72E-06	1.11E-05	5.89E-03	7.13E-03	1.10E-02	5.22E-04	3.80E-04	1.91E-02
1103	482702.38	3852600.87	0.03612	0.01361	0.0027	0.00519	5.91E-03	1.06E-02	5.25E-04	3.82E-04	1.74E-02	5.82E-03	4.57E-07	5.76E-06	1.12E-05	5.84E-03	7.07E-03	1.06E-02	5.25E-04	3.82E-04	1.85E-02
1104	482552.38	3852650.87	0.03774	0.01527	0.0027	0.00518	6.17E-03	1.18E-02	5.22E-04	3.81E-04	1.89E-02	6.08E-03	5.13E-07	5.72E-06	1.12E-05	6.10E-03	7.38E-03	1.18E-02	5.22E-04	3.81E-04	2.01E-02
1105	482602.38	3852650.87	0.03773	0.01503	0.0027	0.0052	6.17E-03	1.17E-02	5.24E-04	3.83E-04	1.87E-02	6.08E-03	5.05E-07	5.74E-06	1.12E-05	6.10E-03	7.38E-03	1.17E-02	5.24E-04	3.83E-04	1.99E-02
1106	482652.38	3852650.87	0.03751	0.01486	0.0027	0.00523	6.14E-03	1.15E-02	5.24E-04	3.85E-04	1.86E-02	6.04E-03	4.99E-07	5.74E-06	1.13E-05	6.06E-03	7.34E-03	1.15E-02	5.24E-04	3.85E-04	1.98E-02
1107	482702.38	3852650.87	0.03717	0.01467	0.0027	0.00524	6.08E-03	1.14E-02	5.27E-04	3.86E-04	1.84E-02	5.99E-03	4.93E-07	5.78E-06	1.13E-05	6.01E-03	7.27E-03	1.14E-02	5.27E-04	3.86E-04	1.96E-02
1108	482552.38	3852700.87	0.0384	0.01579	0.0027	0.00525	6.28E-03	1.22E-02	5.25E-04	3.87E-04	1.94E-02	6.19E-03	5.30E-07	5.76E-06	1.13E-05	6.21E-03	7.51E-03	1.22E-02	5.25E-04	3.87E-04	2.07E-02
1109	482602.38	3852700.87	0.03851	0.01567	0.0027	0.00528	6.30E-03	1.22E-02	5.27E-04	3.89E-04	1.94E-02	6.21E-03	5.26E-07	5.78E-06	1.14E-05	6.22E-03	7.54E-03	1.22E-02	5.27E-04	3.89E-04	2.06E-02
1110	482652.38	3852700.87	0.03832	0.01576	0.0027	0.00529	6.27E-03	1.22E-02	5.29E-04	3.89E-04	1.94E-02	6.17E-03	5.29E-07	5.80E-06	1.14E-05	6.19E-03	7.50E-03	1.22E-02	5.29E-04	3.89E-04	2.06E-02
1111	482702.38	3852700.87	0.03819	0.01551	0.0027	0.00531	6.25E-03	1.20E-02	5.29E-04	3.91E-04	1.92E-02	6.15E-03	5.21E-07	5.80E-06	1.14E-05	6.17E-03	7.47E-03	1.20E-02	5.29E-04	3.91E-04	2.04E-02
1112	482452.38	3852750.87	0.03764	0.0166	0.0027	0.00526	6.16E-03	1.29E-02	5.31E-04	3.87E-04	2.00E-02	6.06E-03	5.58E-07	5.83E-06	1.13E-05	6.08E-03	7.37E-03	1.29E-02	5.31E-04	3.87E-04	2.12E-02
1113	482521.29	3852749.74	0.03861	0.01644	0.0027	0.00531	6.32E-03	1.28E-02	5.29E-04	3.91E-04	2.00E-02	6.22E-03	5.52E-07	5.80E-06	1.14E-05	6.24E-03	7.56E-03	1.28E-02	5.29E-04	3.91E-04	2.12E-02
1114	482571.29	3852749.74	0.039	0.0163	0.0027	0.00533	6.38E-03	1.26E-02	5.31E-04	3.92E-04	1.99E-02	6.28E-03	5.48E-07	5.83E-06	1.15E-05	6.30E-03	7.63E-03	1.26E-02	5.31E-04	3.92E-04	2.12E-02
1115	482521.29	3852799.74	0.03881	0.01696	0.0028	0.00539	6.35E-03	1.32E-02	5.35E-04	3.97E-04	2.04E-02	6.25E-03	5.70E-07	5.87E-06	1.16E-05	6.27E-03	7.59E-03	1.32E-02	5.35E-04	3.97E-04	2.17E-02
1116	482571.29	3852799.74	0.03942	0.01685	0.0028	0.00542	6.45E-03	1.31E-02	5.35E-04	3.99E-04	2.05E-02	6.35E-03	5.66E-07	5.87E-06	1.17E-05	6.37E-03	7.71E-03	1.31E-02	5.35E-04	3.99E-04	2.17E-02
1117	482621.29	3852799.74	0.03983	0.0167	0.0028	0.00544	6.51E-03	1.30E-02	5.35E-04	4.01E-04	2.04E-02	6.42E-03	5.61E-07	5.87E-06	1.17E-05	6.44E-03	7.79E-03	1.30E-02	5.35E-04	4.01E-04	2.17E-02
1118	482571.29	3852849.74	0.03972	0.01728	0.0028	0.0055	6.50E-03	1.34E-02	5.41E-04	4.05E-04	2.08E-02	6.40E-03	5.80E-07	5.93E-06	1.18E-05	6.42E-03	7.77E-03	1.34E-02	5.41E-04	4.05E-04	2.21E-02
1119	482621.29	3852849.74	0.04039	0.0171	0.0028	0.00553	6.61E-03	1.33E-02	5.39E-04	4.07E-04	2.08E-02	6.51E-03	5.74E-07	5.91E-06	1.19E-05	6.53E-03	7.90E-03	1.33E-02	5.39E-04	4.07E-04	2.21E-02
1120	482577.42	3852901.55	0.03995	0.01767	0.0028	0.0056	6.53E-03	1.37E-02	5.45E-04	4.12E-04	2.12E-02	6.44E-03	5.94E-07	5.97E-06	1.21E-05	6.46E-03	7.82E-03	1.37E-02	5.45E-04	4.12E-04	2.25E-02
1121	482627.42	3852901.55	0.04087	0.01747	0.0028	0.00562	6.68E-03	1.36E-02	5.45E-04	4.14E-04	2.12E-02	6.59E-03	5.87E-07	5.97E-06	1.21E-05	6.60E-03	8.00E-03	1.36E-02	5.45E-04	4.14E-04	2.25E-02
1122	482629.96	3852955.85	0.04103	0.01797	0.0028	0.00573	6.71E-03	1.39E-02	5.49E-04	4.22E-04	2.16E-02	6.61E-03	6.04E-07	6.02E-06	1.23E-05	6.63E-03	8.03E-03	1.39E-02	5.49E-04	4.22E-04	2.29E-02
1123	482679.96	3852955.85	0.04194	0.01778	0.0028	0.00575	6.86E-03	1.38E-02	5.49E-04	4.23E-04	2.16E-02	6.76E-03	5.97E-07	6.02E-06	1.24E-05	6.78E-03	8.21E-03	1.38E-02	5.49E-04	4.23E-04	2.30E-02
1124	482781.63	3853034.48	0.04406	0.01803	0.0029	0.00594	7.21E-03	1.40E-02	5.57E-04	4.37E-04	2.22E-02	7.10E-03	6.06E-07	6.10E-06	1.28E-05	7.12E-03	8.62E-03	1.40E-02	5.57E-04	4.37E-04	2.36E-02
1125	482831.63	3853034.48	0.04469	0.01776	0.0029	0.00594	7.31E-03	1.38E-02	5.57E-04	4.37E-04	2.21E-02	7.20E-03	5.97E-07	6.10E-06	1.28E-05	7.22E-03	8.74E-03	1.38E-02	5.57E-04	4.37E-04	2.35E-02
1126	482881.63	3853034.48	0.04506	0.01751	0.0029	0.00593	7.37E-03	1.36E-02	5.57E-04	4.37E-04	2.19E-02	7.26E-03	5.88E-07	6.10E-06	1.28E-05	7.28E-03	8.82E-03	1.36E-02	5.57E-04	4.37E-04	2.34E-02
1127	482781.63	3853084.48	0.04431	0.01857	0.0029	0.00606	7.25E-03	1.44E-02	5.60E-04	4.46E-04	2.27E-02	7.14E-03	6.24E-07	6.14E-06	1.30E-05	7.16E-03	8.67E-03	1.44E-02	5.60E-04	4.46E-04	2.41E-02
1128	482831.63	3853084.48	0.04522	0.01829	0.0029	0.00605	7.40E-03	1.42E-02	5.60E-04	4.45E-04	2.26E-02	7.29E-03	6.14E-07	6.14E-06	1.30E-05	7.31E-03	8.85E-03	1.42E-02	5.60E-04	4.45E-04	2.40E-02
1129	482881.63	3853084.48	0.04585	0.01804	0.0029	0.00604	7.50E-03	1.40E-02	5.60E-04	4.45E-04	2.25E-02	7.39E-03	6.06E-07	6.14E-06	1.30E-05	7.41E-03	8.97E-03	1.40E-02	5.60E-04	4.45E-04	2.40E-02
1130	482781.63	3853134.48	0.04429	0.01918	0.0029	0.00618	7.24E-03	1.49E-02	5.66E-04	4.55E-04	2.31E-02	7.14E-03	6.44E-07	6.21E-06	1.33E-05	7.16E-03	8.67E-03	1.49E-02	5.66E-04	4.55E-04	2.46E-02
1131	482831.63	3853134.48	0.04546	0.01891	0.0029	0.00617	7.44E-03	1.47E-02	5.66E-04	4.54E-04	2.31E-02	7.33E-03	6.35E-07	6.21E-06	1.33E-05	7.35E-03	8.90E-03	1.47E-02	5.66E-04	4.54E-04	2.46E-02
1132	482881.63	3853134.48	0.04633	0.01872	0.0029	0.00616	7.58E-03	1.45E-02	5.66E-04	4.54E-04	2.31E-02	7.47E-03	6.29E-07	6.21E-06	1.33E-05	7.49E-03	9.07E-03	1.45E-02	5.66E-04	4.54E-04	2.46E-02
1133	482831.63	3853184.48	0.04544	0.01955	0.003	0.0063	7.43E-03	1.52E-02	5.72E-04	4.64E-04	2.36E-02	7.32E-03	6.57E-07	6.27E-06	1.36E-05	7.34E-03	8.89E-03	1.52E-02	5.72E-04	4.64E-04	2.51E-02
1134	482881.63	3853184.48	0.04658	0.01937	0.003	0.00629	7.62E-03	1.50E-02	5.72E-04	4.63E-04	2.37E-02	7.51E-03	6.51E-07	6.27E-06	1.35E-05	7.53E-03	9.11E-03	1.50E-02	5.72E-04	4.63E-04	2.52E-02
1135	484154.84	3854250.98	0.09487	0.01858	0.0037	0.01837	1.55E-02	1.44E-02	7.17E-04	1.35E-03	3.20E-02	1.53E-02	6.24E-07	7.87E-06	3.95E-05	1.53E-02	1.86E-02	1.44E-02	7.17E-04	1.35E-03	3.50E-02
1136	484204.84	3854250.98	0.09284	0.01858	0.0037	0.01855	1.52E-02	1.44E-02	7.23E-04	1.37E-03	3.17E-02	1.50E-02	6.24E-07	7.93E-06	3.99E-05	1.50E-02	1.82E-02	1.44E-02	7.23E-04	1.37E-03	3.47E-02
1137	484154.84	3854300.98	0.09644	0.019	0.0037	0.02041	1.58E-02	1.47E-02	7.21E-04	1.50E-03	3.27E-02	1.55E-02	6.38E-07	7.91E-06	4.39E-05	1.56E-02	1.89E-02	1.47E-02	7.21E-04	1.50E-03	3.58E-02
1138	484204.84	3854300.98	0.09552	0.01925	0.0038	0.02057	1.56E-02	1.49E-02	7.27E-04	1.51E-03	3.28E-02	1.54E-02	6.47E-07	7.97E-06	4.43E-05	1.54E-02	1.87E-02	1.49E-02	7.27E-04	1.51E-03	3.59E-02
1139	484074.19	3854519.8	0.10171	0.02568	0.0039	0.03375	1.66E-02	1.99E-02	7.50E-04	2.48E-03	3.98E-02	1.64E-02	8.63E-07	8.23E-06	7.27E-05	1.65E-02	1.99E-02	1.99E-02	7.50E-04	2.48E-03	4.31E-02
1140	484124.19	3854519.8	0.10358	0.02551	0.0039	0.03314	1.69E-02	1.98E-02	7.50E-04	2.44E-03	3.99E-02	1.67E-02	8.57E-07	8.23E-06	7.13E-05	1.68E-02	2.03E-02	1.98E-02	7.50E-04	2.44E-03	4.32E-02
1141	484074.19	3854569.8	0.10423	0.02837	0.0039	0.0377	1.70E-02	2.20E-02	7.58E-04	2.78E-03	4.26E-02	1.68E-02	9.53E-07	8.31E-06	8.12E-05	1.69E-02	2.04E-02	2.20E-02	7.58E-04	2.78E-03	4.59E-02
1142	484124.19	3854569.8	0.1043	0.02797	0.0039	0.03667	1.71E-02	2.17E-02	7.60E-04	2.70E-03	4.22E-02	1.68E-02	9.40E-07	8.33E-06	7.89E-05	1.69E-02	2.04E-02	2.17E-02	7.60E-04	2.70E-03	4.56E-02
1143	485205.11	3855188.89	1.76815	0.0854	0.0049	0.03396	2.89E-01	6.62E-02	9.54E-04	2.50E-03	3.59E-01	2.85E-01	2.87E-06	1.05E-05	7.31E-05	2.85E-01	3.46E-01	6.62E-02	9.54E-04	2.50E-03	4.16E-01
1144	485255.11	3855188.89	1.57017	0.08276	0.005	0.03429	2.57E-01	6.42E-02	9.73E-04	2.52E-03	3.25E-01	2.53E-01	2.78E-06	1.07E-05	7.38E-05	2.53E-01	3.07E-01	6.42E-02	9.73E-04	2.52E-03	3.75E-01
1145	485205.11	3855238.89	2.12079	0.08939	0.0049	0.03596	3.47E-01	6.93E-02	9.58E-04	2.65E-03	4.20E-01	3.42E-01	3.00E-06	1.05E-05	7.74E-05	3.42E-01	4.15E-01	6.93E-02	9.58E-04	2.65E-03	4.88E-01
1146	485255.11	3855238.89	1.93396	0.08816	0.005	0.03638	3.16E-01	6.84E-02	9.71E-04	2.68E-03	3.88E-01	3.12E-01	2.96E-06	1.07E-05	7.83E-05	3.12E-01	3.78E-01	6.84E-02	9.71E-04	2.68E-03	4.50E-01
1147	485205.11	3855288.89	2.82866	0.09781	0.005	0.03824	4.63E-01	7.59E-02	9.62E-04	2.82E-03	5.42E-01	4.56E-01	3.29E-06	1.05E-05	8.23E-05	4.56E-01	5.54E-01	7.59E-02	9.62E-04	2.82E-03	6.33E-01
1148	485255.11	3855288.89	2.47531	0.09619	0.005	0.03881	4.05E-01	7.46E-02	9.71E-04	2.86E-03	4.83E-01	3.99E-01	3.23E-06	1.07E-05	8.35E-05	3.99E-01	4.84E-01	7.46E-02	9.71E-04	2.86E-03	5.63E-01
1149	485255.11	3855338.89	3.16095	0.10494	0.005	0.04157	5.17E-01	8.14E-02	9.77E-04	3.06E-03	6.02E-01	5.09E-01	3.53E-06	1.07E-05	8.95E-05	5.09E-01	6.19E-01	8.14E-02	9.77E-04	3.06E-03	7.04E-01
1150	485305.11	3855338.89	2.75067	0.10205	0.0051	0.04214	4.50E-01	7.92E-02	9.87E-04	3.10E-03	5.33E-01	4.43E-01	3.43E-06	1.08E-05	9.07E-05	4.43E-01	5.38E-01	7.92E-02	9.87E-04	3.10E-03	6.22E-01
1151	485852.5	3855635.28	2.43744	0.12603	0.0063	0.06045	3.99E-01	9.78E-02	1.23E-03	4.45E-03	5.02E-01	3.93E-01	4.23E-06	1.34E-05	1.30E-04	3.93E-01	4.77E-01	9.78E-02	1.23E-03	4.45E-03	5.80E-01
1152	485902.5	3855635.28	2.2313	0.12259	0.0066	0.05985	3.65E-01	9.51E-02	1.27E-03	4.41E-03	4.66E-01	3.60E-01	4.12E-06	1.39E-05	1.29E-04	3.60E-01	4.37E-01	9.51E-02	1.27E-03	4.41E-03	5.37E-01
1153	485852.5	3855685.28	2.71116	0.13331	0.0063	0.06435	4.43E-01	1.03E-01	1.21E-03	4.74E-03	5.53E-01	4.37E-01	4.48E-06	1.33E-05	1.39E-04	4.37E-01	5.31E-01	1.03E-01	1.21E-03	4.74E-03	6.40E-01
1154	485902.5	3855685.28	2.4668	0.12959	0.0065	0.06363	4.03E-01	1.01E-01	1.26E-03	4.68E-03	5.10E-01	3.97E-01	4.35E-06	1.38E-05	1.37E-04	3.98E-01	4.83E-01	1.01E-01	1.26E-03	4.68E-03	5.89E-01
1155	485852.5	3855735.28	3.03277	0.14101	0.0062	0.06854	4.96E-01	1.09E-01	1.21E-03	5.05E-03	6.12E-01	4.89E-01	4.74E-06	1.32E-05	1.48E-04	4.89E-01	5.93E-01	1.09E-01	1.21E-03	5.05E-03	7.09E-01

1156	485902.5	3855735.28	2.76747	0.13809	0.0064	0.06761	4.53E-01	1.07E-01	1.24E-03	4.98E-03	5.66E-01	4.46E-01	4.64E-06	1.36E-05	1.46E-04	4.46E-01	5.42E-01	1.07E-01	1.24E-03	4.98E-03	6.55E-01
1157	485852.5	3855785.28	3.46217	0.15049	0.0062	0.07278	5.66E-01	1.17E-01	1.21E-03	5.36E-03	6.90E-01	5.58E-01	5.06E-06	1.32E-05	1.57E-04	5.58E-01	6.77E-01	1.17E-01	1.21E-03	5.36E-03	8.01E-01
1158	485902.5	3855785.28	3.07842	0.14552	0.0064	0.07168	5.04E-01	1.13E-01	1.24E-03	5.28E-03	6.23E-01	4.96E-01	4.89E-06	1.35E-05	1.54E-04	4.96E-01	6.02E-01	1.13E-01	1.24E-03	5.28E-03	7.22E-01
1159	486809.46	3856465.28	2.74465	0.20119	0.0106	0.05081	4.49E-01	1.56E-01	2.06E-03	3.74E-03	6.11E-01	4.42E-01	6.76E-06	2.26E-05	1.09E-04	4.42E-01	5.37E-01	1.56E-01	2.06E-03	3.74E-03	6.99E-01
1160	486859.46	3856465.28	2.59091	0.19947	0.0108	0.04945	4.24E-01	1.55E-01	2.09E-03	3.64E-03	5.84E-01	4.17E-01	6.70E-06	2.29E-05	1.06E-04	4.18E-01	5.07E-01	1.55E-01	2.09E-03	3.64E-03	6.67E-01
1161	486909.46	3856465.28	2.44759	0.19715	0.011	0.04818	4.00E-01	1.53E-01	2.12E-03	3.55E-03	5.59E-01	3.94E-01	6.62E-06	2.33E-05	1.04E-04	3.95E-01	4.79E-01	1.53E-01	2.12E-03	3.55E-03	6.38E-01
1162	486809.46	3856515.28	2.99187	0.20885	0.0107	0.04918	4.89E-01	1.62E-01	2.08E-03	3.62E-03	6.57E-01	4.82E-01	7.02E-06	2.28E-05	1.06E-04	4.82E-01	5.85E-01	1.62E-01	2.08E-03	3.62E-03	7.53E-01
1163	486859.46	3856515.28	2.81337	0.2076	0.011	0.04787	4.60E-01	1.61E-01	2.12E-03	3.52E-03	6.27E-01	4.53E-01	6.97E-06	2.33E-05	1.03E-04	4.53E-01	5.51E-01	1.61E-01	2.12E-03	3.52E-03	7.17E-01
1164	486909.46	3856515.28	2.64758	0.20559	0.0111	0.04664	4.33E-01	1.59E-01	2.16E-03	3.43E-03	5.98E-01	4.27E-01	6.91E-06	2.37E-05	1.00E-04	4.27E-01	5.18E-01	1.59E-01	2.16E-03	3.43E-03	6.83E-01
1165	486980.94	3856357.95	1.98259	0.17911	0.0111	0.04893	3.24E-01	1.39E-01	2.15E-03	3.60E-03	4.69E-01	3.19E-01	6.02E-06	2.35E-05	1.05E-04	3.20E-01	3.88E-01	1.39E-01	2.15E-03	3.60E-03	5.33E-01
1166	487030.94	3856357.95	1.90116	0.1775	0.0115	0.04778	3.11E-01	1.38E-01	2.23E-03	3.52E-03	4.54E-01	3.06E-01	5.96E-06	2.45E-05	1.03E-04	3.06E-01	3.72E-01	1.38E-01	2.23E-03	3.52E-03	5.15E-01
1167	486980.94	3856407.95	2.11365	0.18665	0.0111	0.04788	3.46E-01	1.45E-01	2.16E-03	3.53E-03	4.96E-01	3.41E-01	6.27E-06	2.37E-05	1.03E-04	3.41E-01	4.14E-01	1.45E-01	2.16E-03	3.53E-03	5.64E-01
1168	487030.94	3856407.95	2.01967	0.18473	0.0115	0.04676	3.30E-01	1.43E-01	2.24E-03	3.44E-03	4.79E-01	3.25E-01	6.21E-06	2.45E-05	1.01E-04	3.26E-01	3.95E-01	1.43E-01	2.24E-03	3.44E-03	5.44E-01
1169	487447.18	3856437.45	1.51407	0.17553	0.0156	0.03883	2.48E-01	1.36E-01	3.02E-03	2.86E-03	3.90E-01	2.44E-01	5.90E-06	3.31E-05	8.36E-05	2.44E-01	2.96E-01	1.36E-01	3.02E-03	2.86E-03	4.38E-01
1170	487497.18	3856437.45	1.46392	0.17416	0.0165	0.03811	2.39E-01	1.35E-01	3.20E-03	2.81E-03	3.81E-01	2.36E-01	5.85E-06	3.51E-05	8.20E-05	2.36E-01	2.86E-01	1.35E-01	3.20E-03	2.81E-03	4.28E-01
1171	487547.18	3856437.45	1.41678	0.17299	0.0175	0.03741	2.32E-01	1.34E-01	3.39E-03	2.75E-03	3.72E-01	2.28E-01	5.81E-06	3.72E-05	8.05E-05	2.28E-01	2.77E-01	1.34E-01	3.39E-03	2.75E-03	4.18E-01
1172	487447.18	3856487.45	1.58136	0.18178	0.0158	0.03782	2.59E-01	1.41E-01	3.06E-03	2.78E-03	4.05E-01	2.55E-01	6.11E-06	3.35E-05	8.14E-05	2.55E-01	3.09E-01	1.41E-01	3.06E-03	2.78E-03	4.56E-01
1173	487497.18	3856487.45	1.5257	0.18015	0.0166	0.03714	2.50E-01	1.40E-01	3.23E-03	2.73E-03	3.95E-01	2.46E-01	6.05E-06	3.54E-05	8.00E-05	2.46E-01	2.99E-01	1.40E-01	3.23E-03	2.73E-03	4.44E-01
1174	487547.18	3856487.45	1.47855	0.17892	0.0176	0.03648	2.42E-01	1.39E-01	3.42E-03	2.69E-03	3.87E-01	2.38E-01	6.01E-06	3.75E-05	7.85E-05	2.38E-01	2.89E-01	1.39E-01	3.42E-03	2.69E-03	4.34E-01
1175	487447.18	3856537.45	1.65653	0.188	0.016	0.03676	2.71E-01	1.46E-01	3.10E-03	2.71E-03	4.23E-01	2.67E-01	6.32E-06	3.40E-05	7.91E-05	2.67E-01	3.24E-01	1.46E-01	3.10E-03	2.71E-03	4.76E-01
1176	487497.18	3856537.45	1.59424	0.18611	0.0168	0.03613	2.61E-01	1.44E-01	3.26E-03	2.66E-03	4.11E-01	2.57E-01	6.25E-06	3.58E-05	7.78E-05	2.57E-01	3.12E-01	1.44E-01	3.26E-03	2.66E-03	4.62E-01
1177	487547.18	3856537.45	1.53683	0.18498	0.0178	0.0355	2.51E-01	1.43E-01	3.45E-03	2.61E-03	4.01E-01	2.48E-01	6.21E-06	3.78E-05	7.64E-05	2.48E-01	3.01E-01	1.43E-01	3.45E-03	2.61E-03	4.50E-01
1178	489285.89	3858826.54	0.08687	0.62688	0.0423	0.07012	1.42E-02	4.86E-01	8.20E-03	5.16E-03	5.14E-01	1.40E-02	2.11E-05	8.99E-05	1.51E-04	1.43E-02	1.70E-02	4.86E-01	8.20E-03	5.16E-03	5.17E-01
1179	489335.89	3858826.54	0.08802	0.60978	0.0436	0.0693	1.44E-02	4.73E-01	8.45E-03	5.10E-03	5.01E-01	1.42E-02	2.05E-05	9.27E-05	1.49E-04	1.44E-02	1.72E-02	4.73E-01	8.45E-03	5.10E-03	5.04E-01
1180	489385.89	3858826.54	0.08885	0.5922	0.0448	0.06842	1.45E-02	4.59E-01	8.69E-03	5.04E-03	4.88E-01	1.43E-02	1.99E-05	9.53E-05	1.47E-04	1.46E-02	1.74E-02	4.59E-01	8.69E-03	5.04E-03	4.91E-01
1181	489435.89	3858826.54	0.08945	0.57625	0.0459	0.06754	1.46E-02	4.47E-01	8.91E-03	4.97E-03	4.76E-01	1.44E-02	1.94E-05	9.77E-05	1.45E-04	1.47E-02	1.75E-02	4.47E-01	8.91E-03	4.97E-03	4.78E-01
1182	489485.89	3858826.54	0.08988	0.56134	0.0469	0.06666	1.47E-02	4.35E-01	9.09E-03	4.91E-03	4.64E-01	1.45E-02	1.89E-05	9.97E-05	1.44E-04	1.47E-02	1.76E-02	4.35E-01	9.09E-03	4.91E-03	4.67E-01
1183	489535.89	3858826.54	0.09044	0.54695	0.0478	0.06579	1.48E-02	4.24E-01	9.26E-03	4.84E-03	4.53E-01	1.46E-02	1.84E-05	1.02E-04	1.42E-04	1.48E-02	1.77E-02	4.24E-01	9.26E-03	4.84E-03	4.56E-01
1184	489585.89	3858826.54	0.09101	0.53339	0.0485	0.06492	1.49E-02	4.14E-01	9.40E-03	4.78E-03	4.43E-01	1.47E-02	1.79E-05	1.03E-04	1.40E-04	1.49E-02	1.78E-02	4.14E-01	9.40E-03	4.78E-03	4.46E-01
1185	489635.89	3858826.54	0.09164	0.51996	0.0491	0.06406	1.50E-02	4.03E-01	9.53E-03	4.72E-03	4.33E-01	1.48E-02	1.75E-05	1.04E-04	1.38E-04	1.50E-02	1.79E-02	4.03E-01	9.53E-03	4.72E-03	4.36E-01
1186	489685.89	3858826.54	0.09231	0.50695	0.0497	0.06321	1.51E-02	3.93E-01	9.64E-03	4.65E-03	4.23E-01	1.49E-02	1.70E-05	1.06E-04	1.36E-04	1.51E-02	1.81E-02	3.93E-01	9.64E-03	4.65E-03	4.26E-01
1187	489735.89	3858826.54	0.09299	0.49446	0.0502	0.06238	1.52E-02	3.84E-01	9.73E-03	4.59E-03	4.13E-01	1.50E-02	1.66E-05	1.07E-04	1.34E-04	1.52E-02	1.82E-02	3.84E-01	9.73E-03	4.59E-03	4.16E-01
1188	489785.89	3858826.54	0.09361	0.48323	0.0506	0.06156	1.53E-02	3.75E-01	9.82E-03	4.53E-03	4.05E-01	1.51E-02	1.62E-05	1.08E-04	1.33E-04	1.53E-02	1.83E-02	3.75E-01	9.82E-03	4.53E-03	4.08E-01
1189	489835.89	3858826.54	0.09433	0.47153	0.051	0.06073	1.54E-02	3.66E-01	9.90E-03	4.47E-03	3.96E-01	1.52E-02	1.58E-05	1.08E-04	1.31E-04	1.55E-02	1.85E-02	3.66E-01	9.90E-03	4.47E-03	3.99E-01
1190	489885.89	3858826.54	0.095	0.46136	0.0514	0.05992	1.55E-02	3.58E-01	9.97E-03	4.41E-03	3.88E-01	1.53E-02	1.55E-05	1.09E-04	1.29E-04	1.56E-02	1.86E-02	3.58E-01	9.97E-03	4.41E-03	3.91E-01
1191	489935.89	3858826.54	0.09569	0.45133	0.0518	0.05911	1.57E-02	3.50E-01	1.00E-02	4.35E-03	3.80E-01	1.54E-02	1.52E-05	1.10E-04	1.27E-04	1.57E-02	1.87E-02	3.50E-01	1.00E-02	4.35E-03	3.83E-01
1192	489985.89	3858826.54	0.09639	0.44142	0.0521	0.05831	1.58E-02	3.42E-01	1.01E-02	4.29E-03	3.73E-01	1.55E-02	1.48E-05	1.11E-04	1.26E-04	1.58E-02	1.89E-02	3.42E-01	1.01E-02	4.29E-03	3.76E-01
1193	490035.89	3858826.54	0.09715	0.43082	0.0523	0.05751	1.59E-02	3.34E-01	1.01E-02	4.23E-03	3.64E-01	1.57E-02	1.45E-05	1.11E-04	1.24E-04	1.59E-02	1.90E-02	3.34E-01	1.01E-02	4.23E-03	3.68E-01
1194	489285.89	3858876.54	0.08329	0.67342	0.0371	0.07428	1.36E-02	5.22E-01	7.20E-03	5.47E-03	5.49E-01	1.34E-02	2.26E-05	7.89E-05	1.60E-04	1.37E-02	1.63E-02	5.22E-01	7.20E-03	5.47E-03	5.51E-01
1195	489335.89	3858876.54	0.08476	0.65186	0.0383	0.07323	1.39E-02	5.06E-01	7.43E-03	5.39E-03	5.32E-01	1.37E-02	2.19E-05	8.15E-05	1.58E-04	1.39E-02	1.66E-02	5.06E-01	7.43E-03	5.39E-03	5.35E-01
1196	489385.89	3858876.54	0.08557	0.63189	0.0395	0.07218	1.40E-02	4.90E-01	7.66E-03	5.31E-03	5.17E-01	1.38E-02	2.12E-05	8.40E-05	1.55E-04	1.40E-02	1.67E-02	4.90E-01	7.66E-03	5.31E-03	5.20E-01
1197	489435.89	3858876.54	0.08618	0.6129	0.0406	0.07112	1.41E-02	4.75E-01	7.87E-03	5.24E-03	5.03E-01	1.39E-02	2.06E-05	8.63E-05	1.53E-04	1.41E-02	1.69E-02	4.75E-01	7.87E-03	5.24E-03	5.05E-01
1198	489485.89	3858876.54	0.08664	0.59496	0.0416	0.07006	1.42E-02	4.62E-01	8.06E-03	5.16E-03	4.89E-01	1.40E-02	2.00E-05	8.84E-05	1.51E-04	1.42E-02	1.70E-02	4.62E-01	8.06E-03	5.16E-03	4.92E-01
1199	489535.89	3858876.54	0.08705	0.57783	0.0425	0.06902	1.42E-02	4.48E-01	8.24E-03	5.08E-03	4.76E-01	1.40E-02	1.94E-05	9.04E-05	1.49E-04	1.43E-02	1.70E-02	4.48E-01	8.24E-03	5.08E-03	4.79E-01
1200	489585.89	3858876.54	0.08748	0.56085	0.0433	0.06798	1.43E-02	4.35E-01	8.40E-03	5.00E-03	4.63E-01	1.41E-02	1.88E-05	9.21E-05	1.46E-04	1.44E-02	1.71E-02	4.35E-01	8.40E-03	5.00E-03	4.66E-01
1201	489635.89	3858876.54	0.08795	0.54594	0.044	0.06699	1.44E-02	4.23E-01	8.53E-03	4.93E-03	4.51E-01	1.42E-02	1.83E-05	9.36E-05	1.44E-04	1.44E-02	1.72E-02	4.24E-01	8.53E-03	4.93E-03	4.54E-01
1202	489685.89	3858876.54	0.08851	0.53119	0.0446	0.06601	1.45E-02	4.12E-01	8.65E-03	4.86E-03	4.40E-01	1.43E-02	1.78E-05	9.49E-05	1.42E-04	1.45E-02	1.73E-02	4.12E-01	8.65E-03	4.86E-03	4.43E-01
1203	489735.89	3858876.54	0.08911	0.51672	0.0452	0.06504	1.46E-02	4.01E-01	8.75E-03	4.79E-03	4.29E-01	1.44E-02	1.74E-05	9.60E-05	1.40E-04	1.46E-02	1.74E-02	4.01E-01	8.75E-03	4.79E-03	4.32E-01
1204	489785.89	3858876.54	0.08968	0.50398	0.0456	0.06409	1.47E-02	3.91E-01	8.85E-03	4.72E-03	4.19E-01	1.45E-02	1.69E-05	9.70E-05	1.38E-04	1.47E-02	1.75E-02	3.91E-01	8.85E-03	4.72E-03	4.22E-01
1205	489835.89	3858876.54	0.09028	0.49107	0.0461	0.06314	1.48E-02	3.81E-01	8.93E-03	4.65E-03	4.09E-01	1.45E-02	1.65E-05	9.80E-05	1.36E-04	1.48E-02	1.77E-02	3.81E-01	8.93E-03	4.65E-03	4.12E-01
1206	489885.89	3858876.54	0.09083	0.48025	0.0465	0.06222	1.49E-02	3.73E-01	9.02E-03	4.58E-03	4.01E-01	1.46E-02	1.61E-05	9.89E-05	1.34E-04	1.49E-02	1.78E-02	3.73E-01	9.02E-03	4.58E-03	4.04E-01
1207	489935.89	3858876.54	0.09152	0.4682	0.0469	0.0613	1.50E-02	3.63E-01	9.09E-03	4.51E-03	3.92E-01	1.47E-02	1.57E-05	9.97E-05	1.32E-04	1.50E-02	1.79E-02	3.63E-01	9.09E-03	4.51E-03	3.95E-01
1208	489985.89	3858876.54	0.09223	0.45637	0.0472	0.06039	1.51E-02	3.54E-01	9.16E-03	4.45E-03	3.83E-01	1.49E-02	1.53E-05	1.00E-04	1.30E-04	1.51E-02	1.80E-02	3.54E-01	9.16E-03	4.45E-03	3.86E-01
1209	490035.89	3858876.54	0.09293	0.44527	0.0476	0.0595	1.52E-02	3.45E-01	9.22E-03	4.38E-03	3.74E-01	1.50E-02	1.50E-05	1.01E-04	1.28E-04	1.52E-02	1.82E-02	3.45E-01	9.22E-03	4.38E-03	3.77E-01
1210	489285.89	3858926.54	0.07884	0.7215	0.0329	0.07871	1.29E-02	5.60E-01	6.37E-03	5.79E-03	5.85E-01	1.27E-02	2.42E-05	6.99E-05	1.69E-04	1.30E-02	1.54E-02	5.60E-01	6.37E-03	5.79E-03	5.87E-01
1211	489335.89	3858926.54	0.08135	0.69544	0.034	0.07742	1.33E-02	5.39E-01	6.59E-03	5.70E-03	5.65E-01	1.31E-02	2.34E-05	7.22E-05	1.67E-04	1.34E-02	1.59E-02	5.39E-01	6.59E-03	5.70E-03	5.68E-01
1212	489385.89	3858926.54	0.08252	0.67039	0.0351	0.07612	1.35E-02	5.20E-01	6.80E-03	5.60E-03	5.46E-01	1.33E-02	2.25E-05	7.46E-05	1.64E-04	1.36E-02	1.61E-02	5.20E-01	6.80E-03	5.60E-03	5.49E-01
1213	489435.89	3858926.54	0.08314	0.64824	0.0361	0.07486	1.36E-02	5.03E-01	7.00E-03	5.51E-03	5.29E-01	1.34E-02	2.18E-05	7.67E-05	1.61E-04	1.37E-02	1.63E-02	5.03E-01	7.00E-03	5.51E-03	5.32E-01
1214	489485.89	3858926.54	0.08362	0.62725	0.0371	0.07362	1.37E-02	4.87E-01	7.19E-03	5.42E-03	5.13E-01	1.35E-02	2.11E-05	7.88E-05	1.58E-04	1.37E-02	1.64E-02	4.87E-01	7.19E-03	5.42E-03	5.16E-01
1215	489535.89	3858926.54	0.08401	0.60751	0.038	0.07242	1.37E-02	4.71E-01	7.36E-03	5.33E-03	4.98E-01	1.35E-02	2.04E-05	8.07E-05	1.56E-04	1.38E-02	1.64E-02	4.71E-01	7.36E-03	5.33E-03	5.00E-01
1216	489585.89	3858926.54	0.08434	0.58874	0.0388	0.07125	1.38E-02	4.57E-01	7.52E-03	5.25E-03	4.83E-01	1.36E-02	1.98E-05	8.25E-05	1.53E-04	1.38E-02	1.65E-02	4.57E-01	7.52E-03	5.25E-03	4.86E-01

1217	489635.89	3858926.54	0.08465	0.57122	0.0396	0.07011	1.38E-02	4.43E-01	7.67E-03	5.16E-03	4.70E-01	1.36E-02	1.92E-05	8.41E-05	1.51E-04	1.39E-02	1.66E-02	4.43E-01	7.67E-03	5.16E-03	4.73E-01
1218	489685.89	3858926.54	0.08509	0.55395	0.0402	0.06898	1.39E-02	4.30E-01	7.80E-03	5.08E-03	4.56E-01	1.37E-02	1.86E-05	8.55E-05	1.48E-04	1.40E-02	1.67E-02	4.30E-01	7.80E-03	5.08E-03	4.59E-01
1219	489735.89	3858926.54	0.08554	0.53896	0.0408	0.06788	1.40E-02	4.18E-01	7.91E-03	5.00E-03	4.45E-01	1.38E-02	1.81E-05	8.67E-05	1.46E-04	1.40E-02	1.67E-02	4.18E-01	7.91E-03	5.00E-03	4.48E-01
1220	489785.89	3858926.54	0.08601	0.52492	0.0413	0.0668	1.41E-02	4.07E-01	8.01E-03	4.92E-03	4.34E-01	1.39E-02	1.76E-05	8.79E-05	1.44E-04	1.41E-02	1.68E-02	4.07E-01	8.01E-03	4.92E-03	4.37E-01
1221	489835.89	3858926.54	0.08657	0.51035	0.0418	0.06571	1.42E-02	3.96E-01	8.10E-03	4.84E-03	4.23E-01	1.39E-02	1.71E-05	8.88E-05	1.41E-04	1.42E-02	1.69E-02	3.96E-01	8.10E-03	4.84E-03	4.26E-01
1222	489885.89	3858926.54	0.08707	0.49759	0.0422	0.06466	1.42E-02	3.86E-01	8.19E-03	4.76E-03	4.13E-01	1.40E-02	1.67E-05	8.98E-05	1.39E-04	1.43E-02	1.70E-02	3.86E-01	8.19E-03	4.76E-03	4.16E-01
1223	489935.89	3858926.54	0.08763	0.4848	0.0426	0.06362	1.43E-02	3.76E-01	8.26E-03	4.68E-03	4.03E-01	1.41E-02	1.63E-05	9.06E-05	1.37E-04	1.44E-02	1.71E-02	3.76E-01	8.26E-03	4.68E-03	4.06E-01
1224	489985.89	3858926.54	0.08829	0.47168	0.043	0.06259	1.44E-02	3.66E-01	8.33E-03	4.61E-03	3.93E-01	1.42E-02	1.58E-05	9.13E-05	1.35E-04	1.45E-02	1.73E-02	3.66E-01	8.33E-03	4.61E-03	3.96E-01
1225	490035.89	3858926.54	0.08904	0.45778	0.0433	0.06158	1.46E-02	3.55E-01	8.39E-03	4.53E-03	3.83E-01	1.43E-02	1.54E-05	9.20E-05	1.33E-04	1.46E-02	1.74E-02	3.55E-01	8.39E-03	4.53E-03	3.85E-01
1226	489335.89	3858976.54	0.07712	0.73683	0.0304	0.08184	1.26E-02	5.72E-01	5.89E-03	6.03E-03	5.96E-01	1.24E-02	2.48E-05	6.46E-05	1.76E-04	1.27E-02	1.51E-02	5.72E-01	5.89E-03	6.03E-03	5.99E-01
1227	489385.89	3858976.54	0.0793	0.70745	0.0314	0.08031	1.30E-02	5.49E-01	6.08E-03	5.91E-03	5.74E-01	1.28E-02	2.38E-05	6.67E-05	1.73E-04	1.30E-02	1.55E-02	5.49E-01	6.08E-03	5.91E-03	5.76E-01
1228	489435.89	3858976.54	0.08024	0.68286	0.0323	0.07887	1.31E-02	5.30E-01	6.26E-03	5.81E-03	5.55E-01	1.29E-02	2.29E-05	6.86E-05	1.70E-04	1.32E-02	1.57E-02	5.30E-01	6.26E-03	5.81E-03	5.57E-01
1229	489485.89	3858976.54	0.08077	0.65829	0.0332	0.07746	1.32E-02	5.11E-01	6.43E-03	5.70E-03	5.36E-01	1.30E-02	2.21E-05	7.05E-05	1.67E-04	1.33E-02	1.58E-02	5.11E-01	6.43E-03	5.70E-03	5.39E-01
1230	489535.89	3858976.54	0.08119	0.63509	0.0341	0.07608	1.33E-02	4.93E-01	6.61E-03	5.60E-03	5.18E-01	1.31E-02	2.13E-05	7.24E-05	1.64E-04	1.33E-02	1.59E-02	4.93E-01	6.61E-03	5.60E-03	5.21E-01
1231	489585.89	3858976.54	0.08148	0.61495	0.0349	0.07478	1.33E-02	4.77E-01	6.76E-03	5.51E-03	5.03E-01	1.31E-02	2.07E-05	7.41E-05	1.61E-04	1.34E-02	1.59E-02	4.77E-01	6.76E-03	5.51E-03	5.05E-01
1232	489635.89	3858976.54	0.08174	0.59514	0.0356	0.07347	1.34E-02	4.62E-01	6.91E-03	5.41E-03	4.87E-01	1.32E-02	2.00E-05	7.58E-05	1.58E-04	1.34E-02	1.60E-02	4.62E-01	6.91E-03	5.41E-03	4.90E-01
1233	489685.89	3858976.54	0.082	0.57614	0.0364	0.07217	1.34E-02	4.47E-01	7.05E-03	5.31E-03	4.73E-01	1.32E-02	1.94E-05	7.73E-05	1.55E-04	1.35E-02	1.60E-02	4.47E-01	7.05E-03	5.31E-03	4.75E-01
1234	489735.89	3858976.54	0.08233	0.55923	0.037	0.07091	1.35E-02	4.34E-01	7.17E-03	5.22E-03	4.60E-01	1.33E-02	1.88E-05	7.86E-05	1.53E-04	1.35E-02	1.61E-02	4.34E-01	7.17E-03	5.22E-03	4.62E-01
1235	489785.89	3858976.54	0.0827	0.54413	0.0375	0.06968	1.35E-02	4.22E-01	7.28E-03	5.13E-03	4.48E-01	1.33E-02	1.83E-05	7.98E-05	1.50E-04	1.36E-02	1.62E-02	4.22E-01	7.28E-03	5.13E-03	4.51E-01
1236	489835.89	3858976.54	0.08311	0.52935	0.038	0.06846	1.36E-02	4.11E-01	7.37E-03	5.04E-03	4.37E-01	1.34E-02	1.78E-05	8.09E-05	1.47E-04	1.36E-02	1.63E-02	4.11E-01	7.37E-03	5.04E-03	4.39E-01
1237	489885.89	3858976.54	0.08365	0.51334	0.0385	0.06723	1.37E-02	3.98E-01	7.46E-03	4.95E-03	4.24E-01	1.35E-02	1.72E-05	8.18E-05	1.45E-04	1.37E-02	1.64E-02	3.98E-01	7.46E-03	4.95E-03	4.27E-01
1238	489935.89	3858976.54	0.08416	0.49895	0.0388	0.06605	1.38E-02	3.87E-01	7.53E-03	4.86E-03	4.13E-01	1.36E-02	1.68E-05	8.26E-05	1.42E-04	1.38E-02	1.65E-02	3.87E-01	7.53E-03	4.86E-03	4.16E-01
1239	489985.89	3858976.54	0.08467	0.48561	0.0392	0.0649	1.38E-02	3.77E-01	7.60E-03	4.78E-03	4.03E-01	1.36E-02	1.63E-05	8.34E-05	1.40E-04	1.39E-02	1.66E-02	3.77E-01	7.60E-03	4.78E-03	4.06E-01
1240	490035.89	3858976.54	0.08557	0.46544	0.0394	0.06369	1.40E-02	3.61E-01	7.64E-03	4.69E-03	3.87E-01	1.38E-02	1.56E-05	8.38E-05	1.37E-04	1.40E-02	1.67E-02	3.61E-01	7.64E-03	4.69E-03	3.90E-01
1241	489385.89	3859026.54	0.0758	0.74167	0.0283	0.08493	1.24E-02	5.75E-01	5.49E-03	6.25E-03	5.99E-01	1.22E-02	2.49E-05	6.02E-05	1.83E-04	1.25E-02	1.48E-02	5.75E-01	5.49E-03	6.25E-03	6.02E-01
1242	489435.89	3859026.54	0.0773	0.71251	0.0291	0.08328	1.26E-02	5.53E-01	5.65E-03	6.13E-03	5.77E-01	1.25E-02	2.39E-05	6.20E-05	1.79E-04	1.27E-02	1.51E-02	5.53E-01	5.65E-03	6.13E-03	5.80E-01
1243	489485.89	3859026.54	0.07811	0.68534	0.03	0.08168	1.28E-02	5.32E-01	5.81E-03	6.01E-03	5.56E-01	1.26E-02	2.30E-05	6.37E-05	1.76E-04	1.28E-02	1.53E-02	5.32E-01	5.81E-03	6.01E-03	5.59E-01
1244	489535.89	3859026.54	0.07852	0.66086	0.0307	0.08013	1.28E-02	5.13E-01	5.96E-03	5.90E-03	5.37E-01	1.27E-02	2.22E-05	6.54E-05	1.73E-04	1.29E-02	1.54E-02	5.13E-01	5.96E-03	5.90E-03	5.40E-01
1245	489585.89	3859026.54	0.07886	0.6371	0.0315	0.07859	1.29E-02	4.94E-01	6.11E-03	5.79E-03	5.19E-01	1.27E-02	2.14E-05	6.70E-05	1.69E-04	1.30E-02	1.54E-02	4.94E-01	6.11E-03	5.79E-03	5.22E-01
1246	489635.89	3859026.54	0.07911	0.61611	0.0323	0.07709	1.29E-02	4.78E-01	6.26E-03	5.68E-03	5.03E-01	1.27E-02	2.07E-05	6.86E-05	1.66E-04	1.30E-02	1.55E-02	4.78E-01	6.26E-03	5.68E-03	5.05E-01
1247	489685.89	3859026.54	0.0793	0.59627	0.033	0.0756	1.30E-02	4.63E-01	6.39E-03	5.57E-03	4.87E-01	1.28E-02	2.00E-05	7.01E-05	1.63E-04	1.30E-02	1.55E-02	4.63E-01	6.39E-03	5.57E-03	4.90E-01
1248	489735.89	3859026.54	0.0795	0.5785	0.0336	0.07415	1.30E-02	4.49E-01	6.51E-03	5.46E-03	4.74E-01	1.28E-02	1.94E-05	7.14E-05	1.60E-04	1.31E-02	1.56E-02	4.49E-01	6.51E-03	5.46E-03	4.76E-01
1249	489785.89	3859026.54	0.07975	0.56164	0.0342	0.07273	1.30E-02	4.36E-01	6.62E-03	5.35E-03	4.61E-01	1.29E-02	1.89E-05	7.26E-05	1.57E-04	1.31E-02	1.56E-02	4.36E-01	6.62E-03	5.35E-03	4.63E-01
1250	489835.89	3859026.54	0.08009	0.54382	0.0347	0.0713	1.31E-02	4.22E-01	6.73E-03	5.25E-03	4.47E-01	1.29E-02	1.83E-05	7.38E-05	1.53E-04	1.32E-02	1.57E-02	4.22E-01	6.73E-03	5.25E-03	4.50E-01
1251	489885.89	3859026.54	0.08049	0.52788	0.0352	0.06991	1.32E-02	4.09E-01	6.82E-03	5.15E-03	4.35E-01	1.30E-02	1.77E-05	7.48E-05	1.50E-04	1.32E-02	1.58E-02	4.09E-01	6.82E-03	5.15E-03	4.37E-01
1252	489935.89	3859026.54	0.08096	0.51219	0.0356	0.06855	1.32E-02	3.97E-01	6.90E-03	5.05E-03	4.22E-01	1.30E-02	1.72E-05	7.56E-05	1.48E-04	1.33E-02	1.58E-02	3.97E-01	6.90E-03	5.05E-03	4.25E-01
1253	489985.89	3859026.54	0.08144	0.49732	0.0359	0.06722	1.33E-02	3.86E-01	6.96E-03	4.95E-03	4.11E-01	1.31E-02	1.67E-05	7.64E-05	1.45E-04	1.34E-02	1.59E-02	3.86E-01	6.96E-03	4.95E-03	4.14E-01
1254	490035.89	3859026.54	0.08229	0.47421	0.0361	0.06584	1.35E-02	3.68E-01	6.99E-03	4.85E-03	3.93E-01	1.33E-02	1.59E-05	7.67E-05	1.42E-04	1.35E-02	1.61E-02	3.68E-01	6.99E-03	4.85E-03	3.96E-01
1255	489485.89	3859076.54	0.07553	0.7091	0.0273	0.08639	1.24E-02	5.50E-01	5.28E-03	6.36E-03	5.74E-01	1.22E-02	2.38E-05	5.79E-05	1.86E-04	1.24E-02	1.48E-02	5.50E-01	5.28E-03	6.36E-03	5.77E-01
1256	489535.89	3859076.54	0.0761	0.68185	0.028	0.08455	1.24E-02	5.29E-01	5.42E-03	6.22E-03	5.53E-01	1.23E-02	2.29E-05	5.94E-05	1.82E-04	1.25E-02	1.49E-02	5.29E-01	5.42E-03	6.22E-03	5.55E-01
1257	489585.89	3859076.54	0.07642	0.65666	0.0287	0.08273	1.25E-02	5.09E-01	5.56E-03	6.09E-03	5.34E-01	1.23E-02	2.21E-05	6.10E-05	1.78E-04	1.26E-02	1.50E-02	5.09E-01	5.56E-03	6.09E-03	5.36E-01
1258	489635.89	3859076.54	0.07662	0.63501	0.0293	0.08098	1.25E-02	4.93E-01	5.69E-03	5.96E-03	5.17E-01	1.23E-02	2.13E-05	6.23E-05	1.74E-04	1.26E-02	1.50E-02	4.93E-01	5.69E-03	5.96E-03	5.19E-01
1259	489685.89	3859076.54	0.0768	0.61446	0.03	0.07924	1.26E-02	4.77E-01	5.81E-03	5.83E-03	5.01E-01	1.24E-02	2.06E-05	6.37E-05	1.71E-04	1.26E-02	1.50E-02	4.77E-01	5.81E-03	5.83E-03	5.03E-01
1260	489735.89	3859076.54	0.07692	0.59505	0.0306	0.07754	1.26E-02	4.62E-01	5.93E-03	5.71E-03	4.86E-01	1.24E-02	2.00E-05	6.50E-05	1.67E-04	1.26E-02	1.51E-02	4.62E-01	5.93E-03	5.71E-03	4.88E-01
1261	489785.89	3859076.54	0.07708	0.57674	0.0312	0.07588	1.26E-02	4.47E-01	6.04E-03	5.59E-03	4.72E-01	1.24E-02	1.94E-05	6.63E-05	1.63E-04	1.27E-02	1.51E-02	4.47E-01	6.04E-03	5.59E-03	4.74E-01
1262	489835.89	3859076.54	0.07734	0.55851	0.0317	0.07423	1.26E-02	4.33E-01	6.15E-03	5.47E-03	4.58E-01	1.25E-02	1.88E-05	6.75E-05	1.60E-04	1.27E-02	1.51E-02	4.33E-01	6.15E-03	5.47E-03	4.60E-01
1263	489885.89	3859076.54	0.07761	0.54112	0.0322	0.07261	1.27E-02	4.20E-01	6.25E-03	5.35E-03	4.44E-01	1.25E-02	1.82E-05	6.85E-05	1.56E-04	1.27E-02	1.52E-02	4.20E-01	6.25E-03	5.35E-03	4.47E-01
1264	489935.89	3859076.54	0.07797	0.52527	0.0327	0.07105	1.28E-02	4.07E-01	6.34E-03	5.23E-03	4.32E-01	1.26E-02	1.76E-05	6.95E-05	1.53E-04	1.28E-02	1.53E-02	4.07E-01	6.34E-03	5.23E-03	4.34E-01
1265	489985.89	3859076.54	0.07841	0.50889	0.0331	0.06951	1.28E-02	3.95E-01	6.41E-03	5.12E-03	4.19E-01	1.26E-02	1.71E-05	7.03E-05	1.50E-04	1.29E-02	1.53E-02	3.95E-01	6.41E-03	5.12E-03	4.22E-01
1266	490035.89	3859076.54	0.07915	0.48632	0.0332	0.06793	1.29E-02	3.77E-01	6.44E-03	5.00E-03	4.02E-01	1.28E-02	1.63E-05	7.07E-05	1.46E-04	1.30E-02	1.55E-02	3.77E-01	6.44E-03	5.00E-03	4.04E-01
1267	489585.89	3859126.54	0.07419	0.67387	0.0262	0.08706	1.21E-02	5.23E-01	5.09E-03	6.41E-03	5.46E-01	1.20E-02	2.26E-05	5.58E-05	1.87E-04	1.22E-02	1.45E-02	5.23E-01	5.09E-03	6.41E-03	5.49E-01
1268	489635.89	3859126.54	0.07434	0.65096	0.0268	0.08496	1.22E-02	5.05E-01	5.20E-03	6.26E-03	5.29E-01	1.20E-02	2.19E-05	5.70E-05	1.83E-04	1.22E-02	1.45E-02	5.05E-01	5.20E-03	6.26E-03	5.31E-01
1269	489685.89	3859126.54	0.07449	0.62893	0.0274	0.0829	1.22E-02	4.88E-01	5.31E-03	6.10E-03	5.11E-01	1.20E-02	2.11E-05	5.82E-05	1.78E-04	1.23E-02	1.46E-02	4.88E-01	5.31E-03	6.10E-03	5.14E-01
1270	489735.89	3859126.54	0.07463	0.60836	0.028	0.0809	1.22E-02	4.72E-01	5.42E-03	5.96E-03	4.95E-01	1.20E-02	2.04E-05	5.95E-05	1.74E-04	1.23E-02	1.46E-02	4.72E-01	5.42E-03	5.96E-03	4.98E-01
1271	489785.89	3859126.54	0.07472	0.58918	0.0285	0.07895	1.22E-02	4.57E-01	5.53E-03	5.81E-03	4.81E-01	1.20E-02	1.98E-05	6.07E-05	1.70E-04	1.23E-02	1.46E-02	4.57E-01	5.53E-03	5.81E-03	4.83E-01
1272	489835.89	3859126.54	0.07487	0.57028	0.0291	0.07703	1.22E-02	4.42E-01	5.64E-03	5.67E-03	4.66E-01	1.21E-02	1.92E-05	6.19E-05	1.66E-04	1.23E-02	1.47E-02	4.42E-01	5.64E-03	5.67E-03	4.68E-01
1273	489885.89	3859126.54	0.07504	0.55181	0.0296	0.07516	1.23E-02	4.28E-01	5.75E-03	5.53E-03	4.52E-01	1.21E-02	1.85E-05	6.30E-05	1.62E-04	1.23E-02	1.47E-02	4.28E-01	5.75E-03	5.53E-03	4.54E-01
1274	489935.89	3859126.54	0.07529	0.53547	0.0301	0.07336	1.23E-02	4.15E-01	5.84E-03	5.40E-03	4.39E-01	1.21E-02	1.80E-05	6.40E-05	1.58E-04	1.24E-02	1.47E-02	4.15E-01	5.84E-03	5.40E-03	4.41E-01
1275	489985.89	3859126.54	0.07573	0.5162	0.0305	0.07156	1.24E-02	4.00E-01	5.90E-03	5.27E-03	4.24E-01	1.22E-02	1.73E-05	6.47E-05	1.54E-04	1.24E-02	1.48E-02	4.00E-01	5.90E-03	5.27E-03	4.26E-01
1276	490035.89	3859126.54	0.07623	0.4975	0.0307	0.06984	1.25E-02	3.86E-01	5.96E-03	5.14E-03	4.09E-01	1.23E-02	1.67E-05	6.53E-05	1.50E-04	1.25E-02	1.49E-02	3.86E-01	5.96E-03	5.14E-03	4.12E-01
1277	489585.89	3859176.54	0.07227	0.68554	0.0242	0.09121	1.18E-02	5.32E-01	4.69E-03	6.72E-03	5.55E-01	1.16E-02	2.30E-05	5.15E-05	1.96E-04	1.19E-02	1.41E-02	5.32E-01	4.69E-03	6.72E-03	5.57E-01

1278	489635.89	3859176.54	0.07238	0.66202	0.0247	0.08874	1.18E-02	5.14E-01	4.79E-03	6.53E-03	5.37E-01	1.17E-02	2.22E-05	5.25E-05	1.91E-04	1.19E-02	1.42E-02	5.14E-01	4.79E-03	6.53E-03	5.39E-01
1279	489685.89	3859176.54	0.0724	0.64035	0.0252	0.08636	1.18E-02	4.97E-01	4.88E-03	6.36E-03	5.20E-01	1.17E-02	2.15E-05	5.36E-05	1.86E-04	1.19E-02	1.42E-02	4.97E-01	4.88E-03	6.36E-03	5.22E-01
1280	489735.89	3859176.54	0.07245	0.61976	0.0257	0.08404	1.18E-02	4.81E-01	4.98E-03	6.19E-03	5.04E-01	1.17E-02	2.08E-05	5.46E-05	1.81E-04	1.19E-02	1.42E-02	4.81E-01	4.98E-03	6.19E-03	5.06E-01
1281	489785.89	3859176.54	0.07258	0.59882	0.0262	0.08176	1.19E-02	4.65E-01	5.09E-03	6.02E-03	4.87E-01	1.17E-02	2.01E-05	5.58E-05	1.76E-04	1.19E-02	1.42E-02	4.65E-01	5.09E-03	6.02E-03	4.90E-01
1282	489835.89	3859176.54	0.07266	0.57962	0.0268	0.07956	1.19E-02	4.50E-01	5.19E-03	5.86E-03	4.73E-01	1.17E-02	1.95E-05	5.69E-05	1.71E-04	1.20E-02	1.42E-02	4.50E-01	5.19E-03	5.86E-03	4.75E-01
1283	489885.89	3859176.54	0.07279	0.56081	0.0273	0.07742	1.19E-02	4.35E-01	5.29E-03	5.70E-03	4.58E-01	1.17E-02	1.88E-05	5.80E-05	1.67E-04	1.20E-02	1.42E-02	4.35E-01	5.29E-03	5.70E-03	4.60E-01
1284	489935.89	3859176.54	0.07294	0.54406	0.0278	0.0754	1.19E-02	4.22E-01	5.38E-03	5.55E-03	4.45E-01	1.18E-02	1.83E-05	5.90E-05	1.62E-04	1.20E-02	1.43E-02	4.22E-01	5.38E-03	5.55E-03	4.47E-01
1285	489985.89	3859176.54	0.07321	0.52439	0.0282	0.07338	1.20E-02	4.07E-01	5.47E-03	5.40E-03	4.30E-01	1.18E-02	1.76E-05	5.99E-05	1.58E-04	1.20E-02	1.43E-02	4.07E-01	5.47E-03	5.40E-03	4.32E-01
1286	490035.89	3859176.54	0.07347	0.50956	0.0286	0.07154	1.20E-02	3.95E-01	5.54E-03	5.27E-03	4.18E-01	1.18E-02	1.71E-05	6.07E-05	1.54E-04	1.21E-02	1.44E-02	3.95E-01	5.54E-03	5.27E-03	4.20E-01
1287	489685.89	3859226.54	0.07065	0.64652	0.0234	0.08936	1.16E-02	5.02E-01	4.53E-03	6.58E-03	5.24E-01	1.14E-02	2.17E-05	4.97E-05	1.92E-04	1.16E-02	1.38E-02	5.02E-01	4.53E-03	6.58E-03	5.26E-01
1288	489735.89	3859226.54	0.07058	0.62658	0.0238	0.08676	1.15E-02	4.86E-01	4.61E-03	6.39E-03	5.09E-01	1.14E-02	2.10E-05	5.06E-05	1.87E-04	1.16E-02	1.38E-02	4.86E-01	4.61E-03	6.39E-03	5.11E-01
1289	489785.89	3859226.54	0.07059	0.60594	0.0242	0.08419	1.15E-02	4.70E-01	4.70E-03	6.20E-03	4.92E-01	1.14E-02	2.04E-05	5.15E-05	1.81E-04	1.16E-02	1.38E-02	4.70E-01	4.70E-03	6.20E-03	4.95E-01
1290	489835.89	3859226.54	0.0707	0.58545	0.0248	0.0817	1.16E-02	4.54E-01	4.80E-03	6.02E-03	4.77E-01	1.14E-02	1.97E-05	5.26E-05	1.76E-04	1.16E-02	1.38E-02	4.54E-01	4.80E-03	6.02E-03	4.79E-01
1291	489885.89	3859226.54	0.07075	0.56697	0.0252	0.07936	1.16E-02	4.40E-01	4.89E-03	5.84E-03	4.62E-01	1.14E-02	1.90E-05	5.36E-05	1.71E-04	1.16E-02	1.38E-02	4.40E-01	4.89E-03	5.84E-03	4.64E-01
1292	489935.89	3859226.54	0.07082	0.54921	0.0257	0.07712	1.16E-02	4.26E-01	4.99E-03	5.68E-03	4.48E-01	1.14E-02	1.84E-05	5.47E-05	1.66E-04	1.17E-02	1.39E-02	4.26E-01	4.99E-03	5.68E-03	4.51E-01
1293	489985.89	3859226.54	0.07104	0.52805	0.0261	0.07492	1.16E-02	4.10E-01	5.06E-03	5.52E-03	4.32E-01	1.14E-02	1.77E-05	5.55E-05	1.61E-04	1.17E-02	1.39E-02	4.10E-01	5.06E-03	5.52E-03	4.34E-01
1294	490035.89	3859226.54	0.07115	0.51423	0.0265	0.07297	1.16E-02	3.99E-01	5.14E-03	5.37E-03	4.21E-01	1.15E-02	1.73E-05	5.64E-05	1.57E-04	1.17E-02	1.39E-02	3.99E-01	5.14E-03	5.37E-03	4.23E-01
1295	489735.89	3859276.54	0.06896	0.62946	0.0222	0.08907	1.13E-02	4.88E-01	4.30E-03	6.56E-03	5.10E-01	1.11E-02	2.11E-05	4.72E-05	1.92E-04	1.14E-02	1.35E-02	4.88E-01	4.30E-03	6.56E-03	5.13E-01
1296	489785.89	3859276.54	0.06887	0.60978	0.0226	0.08629	1.13E-02	4.73E-01	4.37E-03	6.35E-03	4.95E-01	1.11E-02	2.05E-05	4.80E-05	1.86E-04	1.14E-02	1.35E-02	4.73E-01	4.37E-03	6.35E-03	4.97E-01
1297	489835.89	3859276.54	0.06888	0.58904	0.023	0.08359	1.13E-02	4.57E-01	4.46E-03	6.15E-03	4.79E-01	1.11E-02	1.98E-05	4.89E-05	1.80E-04	1.13E-02	1.35E-02	4.57E-01	4.46E-03	6.15E-03	4.81E-01
1298	489885.89	3859276.54	0.06888	0.57097	0.0234	0.08109	1.13E-02	4.43E-01	4.54E-03	5.97E-03	4.65E-01	1.11E-02	1.92E-05	4.98E-05	1.75E-04	1.13E-02	1.35E-02	4.43E-01	4.54E-03	5.97E-03	4.67E-01
1299	489935.89	3859276.54	0.06894	0.55238	0.0239	0.07869	1.13E-02	4.28E-01	4.63E-03	5.79E-03	4.50E-01	1.11E-02	1.86E-05	5.08E-05	1.69E-04	1.13E-02	1.35E-02	4.29E-01	4.63E-03	5.79E-03	4.52E-01
1300	489985.89	3859276.54	0.06909	0.53011	0.0243	0.07634	1.13E-02	4.11E-01	4.71E-03	5.62E-03	4.33E-01	1.11E-02	1.78E-05	5.16E-05	1.64E-04	1.14E-02	1.35E-02	4.11E-01	4.71E-03	5.62E-03	4.35E-01
1301	490035.89	3859276.54	0.06903	0.51892	0.0247	0.07434	1.13E-02	4.03E-01	4.79E-03	5.47E-03	4.24E-01	1.11E-02	1.74E-05	5.25E-05	1.60E-04	1.14E-02	1.35E-02	4.03E-01	4.79E-03	5.47E-03	4.26E-01
1302	490458.06	3859590.74	0.0584	0.43148	0.0187	0.06105	9.55E-03	3.35E-01	3.63E-03	4.49E-03	3.52E-01	9.41E-03	1.45E-05	3.98E-05	1.31E-04	9.60E-03	1.14E-02	3.35E-01	3.63E-03	4.49E-03	3.54E-01
1303	490508.06	3859590.74	0.05855	0.42077	0.019	0.05935	9.58E-03	3.26E-01	3.69E-03	4.37E-03	3.44E-01	9.43E-03	1.41E-05	4.05E-05	1.28E-04	9.62E-03	1.15E-02	3.26E-01	3.69E-03	4.37E-03	3.46E-01
1304	490558.06	3859590.74	0.05873	0.4103	0.0194	0.05776	9.61E-03	3.18E-01	3.75E-03	4.25E-03	3.36E-01	9.46E-03	1.38E-05	4.12E-05	1.24E-04	9.64E-03	1.15E-02	3.18E-01	3.75E-03	4.25E-03	3.38E-01
1305	490608.06	3859590.74	0.0589	0.39956	0.0196	0.05626	9.63E-03	3.10E-01	3.79E-03	4.14E-03	3.28E-01	9.49E-03	1.34E-05	4.16E-05	1.21E-04	9.67E-03	1.15E-02	3.10E-01	3.79E-03	4.14E-03	3.29E-01
1306	490658.06	3859590.74	0.05912	0.38852	0.0196	0.05486	9.67E-03	3.01E-01	3.81E-03	4.04E-03	3.19E-01	9.53E-03	1.31E-05	4.17E-05	1.18E-04	9.70E-03	1.16E-02	3.01E-01	3.81E-03	4.04E-03	3.21E-01
1307	490708.06	3859590.74	0.05933	0.3775	0.0197	0.05354	9.70E-03	2.93E-01	3.82E-03	3.94E-03	3.10E-01	9.56E-03	1.27E-05	4.19E-05	1.15E-04	9.73E-03	1.16E-02	2.93E-01	3.82E-03	3.94E-03	3.12E-01
1308	490758.06	3859590.74	0.05958	0.36602	0.0198	0.05231	9.74E-03	2.84E-01	3.84E-03	3.85E-03	3.01E-01	9.60E-03	1.23E-05	4.21E-05	1.13E-04	9.77E-03	1.17E-02	2.84E-01	3.84E-03	3.85E-03	3.03E-01
1309	490808.06	3859590.74	0.05982	0.35614	0.0199	0.05116	9.78E-03	2.76E-01	3.87E-03	3.77E-03	2.94E-01	9.64E-03	1.20E-05	4.24E-05	1.10E-04	9.80E-03	1.17E-02	2.76E-01	3.87E-03	3.77E-03	2.96E-01
1310	490858.06	3859590.74	0.0601	0.34594	0.0201	0.05008	9.83E-03	2.68E-01	3.89E-03	3.69E-03	2.86E-01	9.68E-03	1.16E-05	4.26E-05	1.08E-04	9.85E-03	1.18E-02	2.68E-01	3.89E-03	3.69E-03	2.88E-01
1311	490458.06	3859640.74	0.05686	0.43287	0.0177	0.06023	9.30E-03	3.36E-01	3.42E-03	4.43E-03	3.53E-01	9.16E-03	1.45E-05	3.75E-05	1.30E-04	9.34E-03	1.11E-02	3.36E-01	3.42E-03	4.43E-03	3.55E-01
1312	490508.06	3859640.74	0.05694	0.42277	0.0179	0.05852	9.31E-03	3.28E-01	3.48E-03	4.31E-03	3.45E-01	9.17E-03	1.42E-05	3.81E-05	1.26E-04	9.35E-03	1.11E-02	3.28E-01	3.48E-03	4.31E-03	3.47E-01
1313	490558.06	3859640.74	0.05705	0.41283	0.0182	0.05692	9.33E-03	3.20E-01	3.53E-03	4.19E-03	3.37E-01	9.19E-03	1.39E-05	3.88E-05	1.23E-04	9.37E-03	1.12E-02	3.20E-01	3.53E-03	4.19E-03	3.39E-01
1314	490608.06	3859640.74	0.05725	0.40199	0.0186	0.05538	9.36E-03	3.12E-01	3.60E-03	4.08E-03	3.29E-01	9.22E-03	1.35E-05	3.95E-05	1.19E-04	9.40E-03	1.12E-02	3.12E-01	3.60E-03	4.08E-03	3.31E-01
1315	490658.06	3859640.74	0.05745	0.39081	0.0188	0.05395	9.40E-03	3.03E-01	3.64E-03	3.97E-03	3.20E-01	9.26E-03	1.31E-05	3.99E-05	1.16E-04	9.43E-03	1.12E-02	3.03E-01	3.64E-03	3.97E-03	3.22E-01
1316	490708.06	3859640.74	0.05764	0.38026	0.0188	0.05262	9.43E-03	2.95E-01	3.65E-03	3.87E-03	3.12E-01	9.29E-03	1.28E-05	4.01E-05	1.13E-04	9.45E-03	1.13E-02	2.95E-01	3.65E-03	3.87E-03	3.14E-01
1317	490758.06	3859640.74	0.05784	0.36923	0.0189	0.05138	9.46E-03	2.86E-01	3.67E-03	3.78E-03	3.03E-01	9.32E-03	1.24E-05	4.02E-05	1.11E-04	9.48E-03	1.13E-02	2.86E-01	3.67E-03	3.78E-03	3.05E-01
1318	490808.06	3859640.74	0.058	0.36017	0.0191	0.05022	9.49E-03	2.79E-01	3.69E-03	3.70E-03	2.96E-01	9.35E-03	1.21E-05	4.05E-05	1.08E-04	9.51E-03	1.13E-02	2.79E-01	3.69E-03	3.70E-03	2.98E-01
1319	490858.06	3859640.74	0.0582	0.35142	0.0192	0.04913	9.52E-03	2.73E-01	3.72E-03	3.62E-03	2.89E-01	9.38E-03	1.18E-05	4.08E-05	1.06E-04	9.54E-03	1.14E-02	2.73E-01	3.72E-03	3.62E-03	2.91E-01
1320	490608.06	3859690.74	0.05572	0.4034	0.0176	0.05431	9.11E-03	3.13E-01	3.41E-03	4.00E-03	3.29E-01	8.98E-03	1.36E-05	3.74E-05	1.17E-04	9.15E-03	1.09E-02	3.13E-01	3.41E-03	4.00E-03	3.31E-01
1321	490658.06	3859690.74	0.05588	0.39265	0.0179	0.05287	9.14E-03	3.05E-01	3.47E-03	3.89E-03	3.21E-01	9.00E-03	1.32E-05	3.81E-05	1.14E-04	9.17E-03	1.09E-02	3.05E-01	3.47E-03	3.89E-03	3.23E-01
1322	490708.06	3859690.74	0.05605	0.38235	0.018	0.05155	9.17E-03	2.97E-01	3.50E-03	3.80E-03	3.13E-01	9.03E-03	1.28E-05	3.83E-05	1.11E-04	9.19E-03	1.10E-02	2.97E-01	3.50E-03	3.80E-03	3.15E-01
1323	490758.06	3859690.74	0.05624	0.37163	0.0181	0.05032	9.20E-03	2.88E-01	3.51E-03	3.70E-03	3.05E-01	9.06E-03	1.25E-05	3.85E-05	1.08E-04	9.22E-03	1.10E-02	2.88E-01	3.51E-03	3.70E-03	3.07E-01
1324	490808.06	3859690.74	0.05638	0.36211	0.0182	0.04917	9.22E-03	2.81E-01	3.53E-03	3.62E-03	2.97E-01	9.08E-03	1.22E-05	3.87E-05	1.06E-04	9.24E-03	1.10E-02	2.81E-01	3.53E-03	3.62E-03	2.99E-01
1325	490858.06	3859690.74	0.05646	0.35534	0.0184	0.04809	9.23E-03	2.76E-01	3.56E-03	3.54E-03	2.92E-01	9.10E-03	1.19E-05	3.90E-05	1.04E-04	9.25E-03	1.10E-02	2.76E-01	3.56E-03	3.54E-03	2.94E-01
1326	490708.06	3859740.74	0.05456	0.38449	0.0172	0.05038	8.92E-03	2.98E-01	3.34E-03	3.71E-03	3.14E-01	8.79E-03	1.29E-05	3.67E-05	1.08E-04	8.95E-03	1.07E-02	2.98E-01	3.34E-03	3.71E-03	3.16E-01
1327	490758.06	3859740.74	0.05461	0.37612	0.0174	0.04918	8.93E-03	2.92E-01	3.38E-03	3.62E-03	3.08E-01	8.80E-03	1.26E-05	3.70E-05	1.06E-04	8.95E-03	1.07E-02	2.92E-01	3.38E-03	3.62E-03	3.09E-01
1328	490808.06	3859740.74	0.05475	0.36726	0.0175	0.04804	8.95E-03	2.85E-01	3.40E-03	3.54E-03	3.01E-01	8.82E-03	1.23E-05	3.73E-05	1.03E-04	8.97E-03	1.07E-02	2.85E-01	3.40E-03	3.54E-03	3.03E-01
1329	490858.06	3859740.74	0.05483	0.35926	0.0177	0.04697	8.97E-03	2.79E-01	3.42E-03	3.46E-03	2.95E-01	8.83E-03	1.21E-05	3.75E-05	1.01E-04	8.99E-03	1.07E-02	2.79E-01	3.42E-03	3.46E-03	2.96E-01
1330	490786.56	3859749.39	0.05441	0.37166	0.0174	0.04832	8.90E-03	2.88E-01	3.37E-03	3.56E-03	3.04E-01	8.77E-03	1.25E-05	3.69E-05	1.04E-04	8.92E-03	1.06E-02	2.88E-01	3.37E-03	3.56E-03	3.06E-01
1331	490836.56	3859749.39	0.05454	0.36307	0.0175	0.04722	8.92E-03	2.82E-01	3.39E-03	3.48E-03	2.97E-01	8.79E-03	1.22E-05	3.72E-05	1.02E-04	8.94E-03	1.07E-02	2.82E-01	3.39E-03	3.48E-03	2.99E-01
1332	490786.56	3859799.39	0.05293	0.37364	0.0165	0.0471	8.66E-03	2.90E-01	3.20E-03	3.47E-03	3.05E-01	8.53E-03	1.26E-05	3.51E-05	1.01E-04	8.68E-03	1.04E-02	2.90E-01	3.20E-03	3.47E-03	3.07E-01
1333	490836.56	3859799.39	0.05306	0.36514	0.0167	0.04601	8.68E-03	2.83E-01	3.24E-03	3.39E-03	2.99E-01	8.55E-03	1.23E-05	3.56E-05	9.90E-05	8.70E-03	1.04E-02	2.83E-01	3.24E-03	3.39E-03	3.00E-01
1334	492307.84	3854508.36	0.12504	0.03353	0.0184	0.01798	2.05E-02	2.60E-02	3.57E-03	1.32E-03	5.14E-02	2.01E-02	1.13E-06	3.92E-05	3.87E-05	2.02E-02	2.45E-02	2.60E-02	3.57E-03	1.32E-03	5.54E-02
1335	486445.7	3854753.6	0.17727	0.03625	0.0083	0.02619	2.90E-02	2.81E-02	1.62E-03	1.93E-03	6.07E-02	2.86E-02	1.22E-06	1.77E-05	5.64E-05	2.86E-02	3.47E-02	2.81E-02	1.62E-03	1.93E-03	6.64E-02
1336	472599.75	3877830.11	0.00261	0.00301	0.0011	0.00103	4.27E-04	2.33E-03	2.06E-04	7.58E-05	3.04E-03	4.21E-04	1.01E-07	2.25E-06	2.22E-06	4.25E-04	5.11E-04	2.33E-03	2.06E-04	7.58E-05	3.13E-03
1337	493107.48	3866840.19	0.00832	0.00894	0.0024	0.00287	1.36E-03	6.93E-03	4.73E-04	2.11E-04	8.98E-03	1.34E-03	3.00E-07	5.19E-06	6.18E-06	1.35E-03	1.63E-03	6.94E-03	4.73E-04	2.11E-04	9.25E-03
1338	495815.79	3861662.87	0.02726	0.0644	0.0075	0.00708	4.46E-03	5.00E-02	1.46E-03	5.21E-04	5.64E-02	4.39E-03	2.16E-06	1.60E-05	1.52E-05	4.43E-03	5.33E-03	5.00E-02	1.46E-03	5.21E-04	5.73E-02

1339	480272.33	3841389.2	0.00091	0.00071	0.0013	0.00141	1.49E-04	5.51E-04	2.50E-04	1.04E-04	1.05E-03	1.47E-04	2.38E-08	2.74E-06	3.04E-06	1.52E-04	1.78E-04	5.51E-04	2.50E-04	1.04E-04	1.08E-03
1340	497005.18	3862813.64	0.01875	0.04033	0.0058	0.0044	3.07E-03	3.13E-02	1.11E-03	3.24E-04	3.58E-02	3.02E-03	1.35E-06	1.22E-05	9.47E-06	3.04E-03	3.67E-03	3.13E-02	1.11E-03	3.24E-04	3.64E-02
1341	493677.33	3860302.55	0.04768	0.14195	0.0158	0.0172	7.80E-03	1.10E-01	3.06E-03	1.27E-03	1.22E-01	7.68E-03	4.77E-06	3.35E-05	3.70E-05	7.76E-03	9.33E-03	1.10E-01	3.06E-03	1.27E-03	1.24E-01
1342	493727.33	3860302.55	0.04766	0.14042	0.0158	0.01709	7.80E-03	1.09E-01	3.07E-03	1.26E-03	1.21E-01	7.68E-03	4.72E-06	3.37E-05	3.68E-05	7.75E-03	9.33E-03	1.09E-01	3.07E-03	1.26E-03	1.23E-01
1343	493777.33	3860302.55	0.04765	0.13885	0.0159	0.01698	7.79E-03	1.08E-01	3.08E-03	1.25E-03	1.20E-01	7.68E-03	4.66E-06	3.37E-05	3.66E-05	7.75E-03	9.32E-03	1.08E-01	3.08E-03	1.25E-03	1.21E-01
1344	493827.33	3860302.55	0.04763	0.13729	0.0159	0.01688	7.79E-03	1.06E-01	3.08E-03	1.24E-03	1.19E-01	7.67E-03	4.61E-06	3.38E-05	3.63E-05	7.75E-03	9.32E-03	1.07E-01	3.08E-03	1.24E-03	1.20E-01
1345	493877.33	3860302.55	0.04756	0.1359	0.016	0.01678	7.78E-03	1.05E-01	3.09E-03	1.24E-03	1.18E-01	7.66E-03	4.57E-06	3.39E-05	3.61E-05	7.74E-03	9.31E-03	1.05E-01	3.09E-03	1.24E-03	1.19E-01
1346	493927.33	3860302.55	0.04747	0.13462	0.016	0.01669	7.76E-03	1.04E-01	3.11E-03	1.23E-03	1.17E-01	7.65E-03	4.52E-06	3.41E-05	3.59E-05	7.72E-03	9.29E-03	1.04E-01	3.11E-03	1.23E-03	1.18E-01
1347	493977.33	3860302.55	0.04749	0.13269	0.016	0.01656	7.77E-03	1.03E-01	3.10E-03	1.22E-03	1.15E-01	7.65E-03	4.46E-06	3.40E-05	3.56E-05	7.73E-03	9.29E-03	1.03E-01	3.10E-03	1.22E-03	1.17E-01
1348	494027.33	3860302.55	0.04744	0.13109	0.016	0.01646	7.76E-03	1.02E-01	3.10E-03	1.21E-03	1.14E-01	7.64E-03	4.40E-06	3.40E-05	3.54E-05	7.72E-03	9.28E-03	1.02E-01	3.10E-03	1.21E-03	1.15E-01
1349	493677.33	3860352.55	0.04663	0.14014	0.0153	0.01675	7.63E-03	1.09E-01	2.96E-03	1.23E-03	1.21E-01	7.51E-03	4.71E-06	3.24E-05	3.61E-05	7.59E-03	9.12E-03	1.09E-01	2.96E-03	1.23E-03	1.22E-01
1350	493727.33	3860352.55	0.04662	0.13876	0.0153	0.01666	7.63E-03	1.08E-01	2.97E-03	1.23E-03	1.19E-01	7.51E-03	4.66E-06	3.26E-05	3.59E-05	7.59E-03	9.12E-03	1.08E-01	2.97E-03	1.23E-03	1.21E-01
1351	493777.33	3860352.55	0.04659	0.13739	0.0154	0.01657	7.62E-03	1.07E-01	2.99E-03	1.22E-03	1.18E-01	7.51E-03	4.62E-06	3.28E-05	3.57E-05	7.58E-03	9.12E-03	1.07E-01	2.99E-03	1.22E-03	1.20E-01
1352	493827.33	3860352.55	0.04658	0.13596	0.0155	0.01647	7.62E-03	1.05E-01	3.00E-03	1.21E-03	1.17E-01	7.51E-03	4.57E-06	3.29E-05	3.55E-05	7.58E-03	9.11E-03	1.05E-01	3.00E-03	1.21E-03	1.19E-01
1353	493877.33	3860352.55	0.04658	0.13448	0.0156	0.01637	7.62E-03	1.04E-01	3.02E-03	1.21E-03	1.16E-01	7.51E-03	4.52E-06	3.31E-05	3.52E-05	7.58E-03	9.11E-03	1.04E-01	3.02E-03	1.21E-03	1.18E-01
1354	493927.33	3860352.55	0.0466	0.13288	0.0156	0.01626	7.62E-03	1.03E-01	3.02E-03	1.20E-03	1.15E-01	7.51E-03	4.46E-06	3.31E-05	3.50E-05	7.58E-03	9.12E-03	1.03E-01	3.02E-03	1.20E-03	1.16E-01
1355	493977.33	3860352.55	0.04662	0.13117	0.0155	0.01615	7.63E-03	1.02E-01	3.01E-03	1.19E-03	1.14E-01	7.51E-03	4.41E-06	3.30E-05	3.48E-05	7.58E-03	9.12E-03	1.02E-01	3.01E-03	1.19E-03	1.15E-01
1356	494027.33	3860352.55	0.04656	0.12985	0.0156	0.01606	7.62E-03	1.01E-01	3.02E-03	1.18E-03	1.13E-01	7.50E-03	4.36E-06	3.31E-05	3.46E-05	7.57E-03	9.11E-03	1.01E-01	3.02E-03	1.18E-03	1.14E-01
1357	493677.33	3860402.55	0.04549	0.13838	0.0145	0.01634	7.44E-03	1.07E-01	2.82E-03	1.20E-03	1.19E-01	7.33E-03	4.65E-06	3.09E-05	3.52E-05	7.40E-03	8.90E-03	1.07E-01	2.82E-03	1.20E-03	1.20E-01
1358	493727.33	3860402.55	0.04551	0.13701	0.0146	0.01626	7.44E-03	1.06E-01	2.83E-03	1.20E-03	1.18E-01	7.33E-03	4.60E-06	3.11E-05	3.50E-05	7.40E-03	8.91E-03	1.06E-01	2.83E-03	1.20E-03	1.19E-01
1359	493777.33	3860402.55	0.04563	0.13538	0.0148	0.01613	7.46E-03	1.05E-01	2.87E-03	1.19E-03	1.17E-01	7.35E-03	4.55E-06	3.15E-05	3.47E-05	7.42E-03	8.93E-03	1.05E-01	2.87E-03	1.19E-03	1.18E-01
1360	493827.33	3860402.55	0.04558	0.13416	0.0148	0.01606	7.46E-03	1.04E-01	2.88E-03	1.18E-03	1.16E-01	7.34E-03	4.51E-06	3.16E-05	3.46E-05	7.42E-03	8.92E-03	1.04E-01	2.88E-03	1.18E-03	1.17E-01
1361	493877.33	3860402.55	0.04557	0.13285	0.0149	0.01598	7.45E-03	1.03E-01	2.89E-03	1.18E-03	1.15E-01	7.34E-03	4.46E-06	3.17E-05	3.44E-05	7.41E-03	8.92E-03	1.03E-01	2.89E-03	1.18E-03	1.16E-01
1362	493927.33	3860402.55	0.04564	0.13128	0.0151	0.01586	7.46E-03	1.02E-01	2.93E-03	1.17E-03	1.13E-01	7.35E-03	4.41E-06	3.21E-05	3.41E-05	7.42E-03	8.93E-03	1.02E-01	2.93E-03	1.17E-03	1.15E-01
1363	493977.33	3860402.55	0.04572	0.12959	0.0151	0.01574	7.48E-03	1.01E-01	2.93E-03	1.16E-03	1.12E-01	7.37E-03	4.35E-06	3.22E-05	3.39E-05	7.44E-03	8.95E-03	1.01E-01	2.93E-03	1.16E-03	1.14E-01
1364	494027.33	3860402.55	0.04565	0.1284	0.0152	0.01566	7.47E-03	9.96E-02	2.95E-03	1.15E-03	1.11E-01	7.36E-03	4.31E-06	3.23E-05	3.37E-05	7.43E-03	8.93E-03	9.96E-02	2.95E-03	1.15E-03	1.13E-01
1365	493677.33	3860452.55	0.04441	0.13628	0.0139	0.01591	7.26E-03	1.06E-01	2.70E-03	1.17E-03	1.17E-01	7.16E-03	4.58E-06	2.96E-05	3.43E-05	7.22E-03	8.69E-03	1.06E-01	2.70E-03	1.17E-03	1.18E-01
1366	493727.33	3860452.55	0.04438	0.13509	0.0139	0.01587	7.26E-03	1.05E-01	2.70E-03	1.17E-03	1.16E-01	7.15E-03	4.54E-06	2.96E-05	3.42E-05	7.22E-03	8.68E-03	1.05E-01	2.70E-03	1.17E-03	1.17E-01
1367	493777.33	3860452.55	0.04442	0.13375	0.014	0.01578	7.27E-03	1.04E-01	2.71E-03	1.16E-03	1.15E-01	7.16E-03	4.49E-06	2.98E-05	3.40E-05	7.23E-03	8.69E-03	1.04E-01	2.71E-03	1.16E-03	1.16E-01
1368	493827.33	3860452.55	0.04453	0.13231	0.0142	0.01567	7.28E-03	1.03E-01	2.75E-03	1.15E-03	1.14E-01	7.18E-03	4.44E-06	3.01E-05	3.37E-05	7.24E-03	8.71E-03	1.03E-01	2.75E-03	1.15E-03	1.15E-01
1369	493877.33	3860452.55	0.0446	0.13092	0.0143	0.01557	7.29E-03	1.02E-01	2.77E-03	1.15E-03	1.13E-01	7.19E-03	4.40E-06	3.04E-05	3.35E-05	7.25E-03	8.73E-03	1.02E-01	2.77E-03	1.15E-03	1.14E-01
1370	493927.33	3860452.55	0.04474	0.12934	0.0145	0.01544	7.32E-03	1.00E-01	2.82E-03	1.14E-03	1.12E-01	7.21E-03	4.34E-06	3.09E-05	3.32E-05	7.28E-03	8.75E-03	1.00E-01	2.82E-03	1.14E-03	1.13E-01
1371	493977.33	3860452.55	0.04473	0.12808	0.0146	0.01536	7.32E-03	9.94E-02	2.83E-03	1.13E-03	1.11E-01	7.21E-03	4.30E-06	3.11E-05	3.31E-05	7.28E-03	8.75E-03	9.94E-02	2.83E-03	1.13E-03	1.12E-01
1372	494027.33	3860452.55	0.04471	0.12686	0.0147	0.01529	7.31E-03	9.84E-02	2.85E-03	1.13E-03	1.10E-01	7.20E-03	4.26E-06	3.12E-05	3.29E-05	7.27E-03	8.75E-03	9.84E-02	2.85E-03	1.13E-03	1.11E-01
1373	493677.33	3860502.55	0.04329	0.13416	0.0133	0.01549	7.08E-03	1.04E-01	2.58E-03	1.14E-03	1.15E-01	6.98E-03	4.51E-06	2.83E-05	3.33E-05	7.04E-03	8.47E-03	1.04E-01	2.58E-03	1.14E-03	1.16E-01
1374	493727.33	3860502.55	0.04331	0.13293	0.0133	0.01544	7.08E-03	1.03E-01	2.58E-03	1.14E-03	1.14E-01	6.98E-03	4.47E-06	2.83E-05	3.32E-05	7.04E-03	8.47E-03	1.03E-01	2.58E-03	1.14E-03	1.15E-01
1375	493777.33	3860502.55	0.04338	0.13164	0.0134	0.01537	7.10E-03	1.02E-01	2.60E-03	1.13E-03	1.13E-01	6.99E-03	4.42E-06	2.85E-05	3.31E-05	7.06E-03	8.49E-03	1.02E-01	2.60E-03	1.13E-03	1.14E-01
1376	493827.33	3860502.55	0.04345	0.13036	0.0135	0.01529	7.11E-03	1.01E-01	2.62E-03	1.13E-03	1.12E-01	7.00E-03	4.38E-06	2.87E-05	3.29E-05	7.07E-03	8.50E-03	1.01E-01	2.62E-03	1.13E-03	1.13E-01
1377	493877.33	3860502.55	0.04357	0.129	0.0137	0.01519	7.13E-03	1.00E-01	2.65E-03	1.12E-03	1.11E-01	7.02E-03	4.33E-06	2.90E-05	3.27E-05	7.09E-03	8.53E-03	1.00E-01	2.65E-03	1.12E-03	1.12E-01
1378	493927.33	3860502.55	0.04371	0.12759	0.0139	0.01507	7.15E-03	9.90E-02	2.69E-03	1.11E-03	1.10E-01	7.04E-03	4.29E-06	2.94E-05	3.24E-05	7.11E-03	8.55E-03	9.90E-02	2.69E-03	1.11E-03	1.11E-01
1379	493977.33	3860502.55	0.04371	0.12641	0.0139	0.01501	7.15E-03	9.81E-02	2.70E-03	1.11E-03	1.09E-01	7.04E-03	4.25E-06	2.96E-05	3.23E-05	7.11E-03	8.55E-03	9.81E-02	2.70E-03	1.11E-03	1.10E-01
1380	494027.33	3860502.55	0.04373	0.12519	0.014	0.01493	7.15E-03	9.71E-02	2.72E-03	1.10E-03	1.08E-01	7.05E-03	4.21E-06	2.98E-05	3.21E-05	7.11E-03	8.56E-03	9.71E-02	2.72E-03	1.10E-03	1.09E-01
1381	493627.33	3860552.55	0.04203	0.13327	0.0127	0.01515	6.87E-03	1.03E-01	2.45E-03	1.12E-03	1.14E-01	6.77E-03	4.48E-06	2.69E-05	3.26E-05	6.84E-03	8.22E-03	1.03E-01	2.45E-03	1.12E-03	1.15E-01
1382	493677.33	3860552.55	0.04209	0.13212	0.0127	0.0151	6.88E-03	1.02E-01	2.46E-03	1.11E-03	1.13E-01	6.78E-03	4.44E-06	2.70E-05	3.25E-05	6.85E-03	8.24E-03	1.02E-01	2.46E-03	1.11E-03	1.14E-01
1383	493727.33	3860552.55	0.04215	0.13086	0.0127	0.01505	6.89E-03	1.02E-01	2.47E-03	1.11E-03	1.12E-01	6.79E-03	4.40E-06	2.71E-05	3.24E-05	6.86E-03	8.25E-03	1.02E-01	2.47E-03	1.11E-03	1.13E-01
1384	493777.33	3860552.55	0.04227	0.1296	0.0128	0.01498	6.91E-03	1.01E-01	2.49E-03	1.10E-03	1.11E-01	6.81E-03	4.35E-06	2.73E-05	3.22E-05	6.87E-03	8.27E-03	1.01E-01	2.49E-03	1.10E-03	1.12E-01
1385	493827.33	3860552.55	0.04243	0.12824	0.013	0.01488	6.94E-03	9.95E-02	2.51E-03	1.10E-03	1.10E-01	6.84E-03	4.31E-06	2.76E-05	3.20E-05	6.90E-03	8.30E-03	9.95E-02	2.51E-03	1.10E-03	1.11E-01
1386	493877.33	3860552.55	0.04248	0.12705	0.013	0.01482	6.95E-03	9.86E-02	2.53E-03	1.09E-03	1.09E-01	6.84E-03	4.27E-06	2.77E-05	3.19E-05	6.91E-03	8.31E-03	9.86E-02	2.53E-03	1.09E-03	1.10E-01
1387	493927.33	3860552.55	0.0426	0.12578	0.0132	0.01473	6.97E-03	9.76E-02	2.55E-03	1.08E-03	1.08E-01	6.86E-03	4.23E-06	2.80E-05	3.17E-05	6.93E-03	8.34E-03	9.76E-02	2.55E-03	1.08E-03	1.10E-01
1388	493977.33	3860552.55	0.04273	0.12451	0.0133	0.01463	6.99E-03	9.66E-02	2.58E-03	1.08E-03	1.07E-01	6.89E-03	4.18E-06	2.83E-05	3.15E-05	6.95E-03	8.36E-03	9.66E-02	2.58E-03	1.08E-03	1.09E-01
1389	494027.33	3860552.55	0.04275	0.12338	0.0134	0.01457	6.99E-03	9.57E-02	2.60E-03	1.07E-03	1.06E-01	6.89E-03	4.14E-06	2.85E-05	3.14E-05	6.95E-03	8.37E-03	9.57E-02	2.60E-03	1.07E-03	1.08E-01
1390	493627.33	3860602.55	0.04087	0.13105	0.0121	0.01473	6.68E-03	1.02E-01	2.35E-03	1.08E-03	1.12E-01	6.59E-03	4.40E-06	2.58E-05	3.17E-05	6.65E-03	8.00E-03	1.02E-01	2.35E-03	1.08E-03	1.13E-01
1391	493727.33	3860602.55	0.04096	0.12863	0.0122	0.01469	6.70E-03	9.98E-02	2.36E-03	1.08E-03	1.10E-01	6.60E-03	4.32E-06	2.59E-05	3.16E-05	6.66E-03	8.02E-03	9.98E-02	2.36E-03	1.08E-03	1.11E-01
1392	493777.33	3860602.55	0.04118	0.12739	0.0123	0.01458	6.74E-03	9.88E-02	2.39E-03	1.07E-03	1.09E-01	6.64E-03	4.28E-06	2.62E-05	3.14E-05	6.70E-03	8.06E-03	9.88E-02	2.39E-03	1.07E-03	1.10E-01
1393	493827.33	3860602.55	0.0413	0.12619	0.0124	0.01451	6.76E-03	9.79E-02	2.40E-03	1.07E-03	1.08E-01	6.65E-03	4.24E-06	2.63E-05	3.12E-05	6.72E-03	8.08E-03	9.79E-02	2.40E-03	1.07E-03	1.09E-01
1394	493877.33	3860602.55	0.04148	0.12499	0.0125	0.01442	6.78E-03	9.70E-02	2.43E-03	1.06E-03	1.07E-01	6.68E-03	4.20E-06	2.66E-05	3.10E-05	6.75E-03	8.12E-03	9.70E-02	2.43E-03	1.06E-03	1.09E-01
1395	493927.33	3860602.55	0.0416	0.12382	0.0126	0.01434	6.80E-03	9.60E-02	2.45E-03	1.06E-03	1.06E-01	6.70E-03	4.16E-06	2.69E-05	3.09E-05	6.76E-03	8.14E-03	9.61E-02	2.45E-03	1.06E-03	1.08E-01
1396	493977.33	3860602.55	0.04171	0.12257	0.0128	0.01426	6.82E-03	9.51E-02	2.47E-03	1.05E-03	1.05E-01	6.72E-03	4.12E-06	2.71E-05	3.07E-05	6.78E-03	8.16E-03	9.51E-02	2.47E-03	1.05E-03	1.07E-01
1397	494027.33	3860602.55	0.04173	0.12156	0.0128	0.01422	6.83E-03	9.43E-02	2.48E-03	1.05E-03	1.05E-01	6.72E-03	4.08E-06	2.72E-05	3.06E-05	6.79E-03	8.17E-03	9.43E-02	2.48E-03	1.05E-03	1.06E-01
1398	493627.33	3860652.55	0.03969	0.12871	0.0117	0.01434	6.49E-03	9.98E-02	2.26E-03	1.06E-03	1.10E-01	6.40E-03	4.32E-06	2.48E-05	3.09E-05	6.46E-03	7.77E-03	9.98E-02	2.26E-03	1.06E-03	1.11E-01
1399	493727.33	3860652.55	0.03983	0.12633	0.0117	0.01424	6.51E-03	9.80E-02	2.27E-03	1.05E-03	1.08E-01	6.42E-03	4.24E-06	2.49E-05	3.07E-05	6.48E-03	7.79E-03	9.80E-02	2.27E-03	1.05E-03	1.09E-01

1400	493777.33	3860652.55	0.04003	0.12516	0.0118	0.0142	6.55E-03	9.71E-02	2.29E-03	1.05E-03	1.07E-01	6.45E-03	4.20E-06	2.51E-05	3.06E-05	6.51E-03	7.83E-03	9.71E-02	2.29E-03	1.05E-03	1.08E-01
1401	493827.33	3860652.55	0.04022	0.124	0.0119	0.01413	6.58E-03	9.62E-02	2.31E-03	1.04E-03	1.06E-01	6.48E-03	4.17E-06	2.53E-05	3.04E-05	6.54E-03	7.87E-03	9.62E-02	2.31E-03	1.04E-03	1.07E-01
1402	493877.33	3860652.55	0.04043	0.12284	0.012	0.01404	6.61E-03	9.53E-02	2.33E-03	1.03E-03	1.05E-01	6.51E-03	4.13E-06	2.56E-05	3.02E-05	6.57E-03	7.91E-03	9.53E-02	2.33E-03	1.03E-03	1.07E-01
1403	493927.33	3860652.55	0.04055	0.12172	0.0121	0.01397	6.63E-03	9.44E-02	2.35E-03	1.03E-03	1.04E-01	6.53E-03	4.09E-06	2.57E-05	3.01E-05	6.59E-03	7.93E-03	9.44E-02	2.35E-03	1.03E-03	1.06E-01
1404	493977.33	3860652.55	0.04066	0.12062	0.0122	0.01391	6.65E-03	9.36E-02	2.36E-03	1.02E-03	1.04E-01	6.55E-03	4.05E-06	2.59E-05	2.99E-05	6.61E-03	7.96E-03	9.36E-02	2.36E-03	1.02E-03	1.05E-01
1405	494027.33	3860652.55	0.04081	0.11952	0.0123	0.01383	6.67E-03	9.27E-02	2.39E-03	1.02E-03	1.03E-01	6.58E-03	4.01E-06	2.62E-05	2.98E-05	6.64E-03	7.99E-03	9.27E-02	2.39E-03	1.02E-03	1.04E-01
1406	494311.06	3858401.99	0.0552	0.06244	0.0456	0.02242	9.03E-03	4.84E-02	8.85E-03	1.65E-03	6.80E-02	8.89E-03	2.10E-06	9.70E-05	4.83E-05	9.04E-03	1.08E-02	4.84E-02	8.85E-03	1.65E-03	6.97E-02
1407	494361.06	3858401.99	0.05425	0.06143	0.0449	0.02222	8.87E-03	4.77E-02	8.71E-03	1.64E-03	6.69E-02	8.74E-03	2.06E-06	9.56E-05	4.78E-05	8.89E-03	1.06E-02	4.77E-02	8.71E-03	1.64E-03	6.86E-02
1408	494411.06	3858401.99	0.05365	0.0607	0.0445	0.02206	8.78E-03	4.71E-02	8.62E-03	1.62E-03	6.61E-02	8.64E-03	2.04E-06	9.45E-05	4.75E-05	8.79E-03	1.05E-02	4.71E-02	8.62E-03	1.62E-03	6.78E-02
1409	494461.06	3858401.99	0.05342	0.06028	0.0441	0.02194	8.74E-03	4.68E-02	8.56E-03	1.62E-03	6.57E-02	8.61E-03	2.02E-06	9.38E-05	4.72E-05	8.75E-03	1.05E-02	4.68E-02	8.56E-03	1.62E-03	6.74E-02
1410	494511.06	3858401.99	0.05276	0.05952	0.0436	0.02177	8.63E-03	4.62E-02	8.46E-03	1.60E-03	6.49E-02	8.50E-03	2.00E-06	9.27E-05	4.69E-05	8.64E-03	1.03E-02	4.62E-02	8.46E-03	1.60E-03	6.66E-02
1411	494561.06	3858401.99	0.0525	0.05908	0.0433	0.02165	8.59E-03	4.58E-02	8.40E-03	1.59E-03	6.44E-02	8.46E-03	1.98E-06	9.21E-05	4.66E-05	8.60E-03	1.03E-02	4.58E-02	8.40E-03	1.59E-03	6.61E-02
1412	494611.06	3858401.99	0.05182	0.05831	0.0428	0.02149	8.48E-03	4.52E-02	8.29E-03	1.58E-03	6.36E-02	8.35E-03	1.96E-06	9.09E-05	4.63E-05	8.49E-03	1.01E-02	4.52E-02	8.29E-03	1.58E-03	6.52E-02
1413	494661.06	3858401.99	0.05121	0.05765	0.0423	0.02134	8.38E-03	4.47E-02	8.21E-03	1.57E-03	6.29E-02	8.25E-03	1.94E-06	9.00E-05	4.59E-05	8.39E-03	1.00E-02	4.47E-02	8.21E-03	1.57E-03	6.45E-02
1414	494711.06	3858401.99	0.05032	0.05671	0.0417	0.02116	8.23E-03	4.40E-02	8.09E-03	1.56E-03	6.19E-02	8.11E-03	1.90E-06	8.87E-05	4.56E-05	8.24E-03	9.85E-03	4.40E-02	8.09E-03	1.56E-03	6.35E-02
1415	494761.06	3858401.99	0.04991	0.05615	0.0413	0.02102	8.16E-03	4.36E-02	8.02E-03	1.55E-03	6.13E-02	8.04E-03	1.89E-06	8.79E-05	4.53E-05	8.18E-03	9.77E-03	4.36E-02	8.02E-03	1.55E-03	6.29E-02
1416	494811.06	3858401.99	0.04925	0.05541	0.0409	0.02086	8.06E-03	4.30E-02	7.93E-03	1.54E-03	6.05E-02	7.94E-03	1.86E-06	8.69E-05	4.49E-05	8.07E-03	9.64E-03	4.30E-02	7.93E-03	1.54E-03	6.21E-02
1417	494861.06	3858401.99	0.04868	0.05474	0.0405	0.02072	7.96E-03	4.25E-02	7.85E-03	1.53E-03	5.98E-02	7.84E-03	1.84E-06	8.61E-05	4.46E-05	7.98E-03	9.53E-03	4.25E-02	7.85E-03	1.53E-03	6.14E-02
1418	494911.06	3858401.99	0.04812	0.05413	0.0401	0.02057	7.87E-03	4.20E-02	7.77E-03	1.51E-03	5.91E-02	7.75E-03	1.82E-06	8.52E-05	4.43E-05	7.88E-03	9.42E-03	4.20E-02	7.77E-03	1.51E-03	6.07E-02
1419	494961.06	3858401.99	0.04753	0.05342	0.0397	0.02043	7.77E-03	4.14E-02	7.69E-03	1.50E-03	5.84E-02	7.66E-03	1.79E-06	8.44E-05	4.40E-05	7.79E-03	9.30E-03	4.14E-02	7.69E-03	1.50E-03	5.99E-02
1420	495011.06	3858401.99	0.04674	0.0526	0.0391	0.02025	7.64E-03	4.08E-02	7.59E-03	1.49E-03	5.75E-02	7.53E-03	1.77E-06	8.32E-05	4.36E-05	7.66E-03	9.15E-03	4.08E-02	7.59E-03	1.49E-03	5.90E-02
1421	495061.06	3858401.99	0.04614	0.05193	0.0386	0.0201	7.55E-03	4.03E-02	7.49E-03	1.48E-03	5.68E-02	7.43E-03	1.74E-06	8.22E-05	4.33E-05	7.56E-03	9.03E-03	4.03E-02	7.49E-03	1.48E-03	5.83E-02
1422	495111.06	3858401.99	0.04495	0.05076	0.0381	0.01987	7.35E-03	3.94E-02	7.38E-03	1.46E-03	5.56E-02	7.24E-03	1.71E-06	8.09E-05	4.28E-05	7.37E-03	8.80E-03	3.94E-02	7.38E-03	1.46E-03	5.70E-02
1423	495161.06	3858401.99	0.0448	0.05047	0.0378	0.01977	7.33E-03	3.91E-02	7.34E-03	1.46E-03	5.53E-02	7.22E-03	1.70E-06	8.04E-05	4.26E-05	7.34E-03	8.77E-03	3.92E-02	7.34E-03	1.46E-03	5.67E-02
1424	495211.06	3858401.99	0.04374	0.04945	0.0373	0.01959	7.15E-03	3.84E-02	7.23E-03	1.44E-03	5.42E-02	7.05E-03	1.66E-06	7.93E-05	4.22E-05	7.17E-03	8.56E-03	3.84E-02	7.23E-03	1.44E-03	5.56E-02
1425	495261.06	3858401.99	0.04323	0.04885	0.037	0.01946	7.07E-03	3.79E-02	7.16E-03	1.43E-03	5.36E-02	6.97E-03	1.64E-06	7.86E-05	4.19E-05	7.09E-03	8.46E-03	3.79E-02	7.16E-03	1.43E-03	5.50E-02
1426	495311.06	3858401.99	0.04268	0.04823	0.0366	0.01931	6.98E-03	3.74E-02	7.09E-03	1.42E-03	5.29E-02	6.88E-03	1.62E-06	7.78E-05	4.16E-05	7.00E-03	8.35E-03	3.74E-02	7.09E-03	1.42E-03	5.43E-02
1427	495361.06	3858401.99	0.04232	0.04778	0.0363	0.0192	6.92E-03	3.71E-02	7.04E-03	1.41E-03	5.24E-02	6.82E-03	1.61E-06	7.72E-05	4.13E-05	6.94E-03	8.28E-03	3.71E-02	7.04E-03	1.41E-03	5.38E-02
1428	495411.06	3858401.99	0.04216	0.04748	0.0361	0.0191	6.90E-03	3.68E-02	7.00E-03	1.41E-03	5.21E-02	6.79E-03	1.59E-06	7.67E-05	4.11E-05	6.91E-03	8.25E-03	3.68E-02	7.00E-03	1.41E-03	5.35E-02
1429	495461.06	3858401.99	0.04207	0.04725	0.0359	0.01901	6.88E-03	3.67E-02	6.96E-03	1.40E-03	5.19E-02	6.78E-03	1.59E-06	7.63E-05	4.09E-05	6.90E-03	8.23E-03	3.67E-02	6.96E-03	1.40E-03	5.32E-02
1430	495511.06	3858401.99	0.04192	0.04696	0.0357	0.01892	6.86E-03	3.64E-02	6.92E-03	1.39E-03	5.16E-02	6.75E-03	1.58E-06	7.59E-05	4.07E-05	6.87E-03	8.20E-03	3.64E-02	6.92E-03	1.39E-03	5.29E-02
1431	495561.06	3858401.99	0.04157	0.04644	0.0355	0.01883	6.80E-03	3.60E-02	6.89E-03	1.39E-03	5.11E-02	6.70E-03	1.56E-06	7.55E-05	4.05E-05	6.82E-03	8.13E-03	3.60E-02	6.89E-03	1.39E-03	5.24E-02
1432	495611.06	3858401.99	0.04147	0.04619	0.0353	0.01874	6.78E-03	3.58E-02	6.85E-03	1.38E-03	5.08E-02	6.68E-03	1.55E-06	7.51E-05	4.03E-05	6.80E-03	8.11E-03	3.58E-02	6.85E-03	1.38E-03	5.22E-02
1433	495661.06	3858401.99	0.04162	0.04624	0.0351	0.01865	6.81E-03	3.59E-02	6.81E-03	1.37E-03	5.09E-02	6.71E-03	1.55E-06	7.47E-05	4.01E-05	6.82E-03	8.14E-03	3.59E-02	6.81E-03	1.37E-03	5.22E-02
1434	494311.06	3858451.99	0.05618	0.06463	0.0457	0.02265	9.19E-03	5.01E-02	8.86E-03	1.67E-03	6.98E-02	9.05E-03	2.17E-06	9.71E-05	4.88E-05	9.20E-03	1.10E-02	5.01E-02	8.86E-03	1.67E-03	7.17E-02
1435	494361.06	3858451.99	0.05543	0.06375	0.045	0.02246	9.07E-03	4.95E-02	8.72E-03	1.65E-03	6.89E-02	8.93E-03	2.14E-06	9.56E-05	4.84E-05	9.08E-03	1.08E-02	4.95E-02	8.72E-03	1.65E-03	7.07E-02
1436	494411.06	3858451.99	0.05482	0.06298	0.0444	0.02229	8.97E-03	4.89E-02	8.61E-03	1.64E-03	6.81E-02	8.83E-03	2.12E-06	9.44E-05	4.80E-05	8.98E-03	1.07E-02	4.89E-02	8.61E-03	1.64E-03	6.98E-02
1437	494461.06	3858451.99	0.0543	0.0623	0.0439	0.02213	8.88E-03	4.83E-02	8.52E-03	1.63E-03	6.74E-02	8.75E-03	2.09E-06	9.34E-05	4.76E-05	8.89E-03	1.06E-02	4.83E-02	8.52E-03	1.63E-03	6.91E-02
1438	494511.06	3858451.99	0.05403	0.06183	0.0436	0.02201	8.84E-03	4.80E-02	8.45E-03	1.62E-03	6.69E-02	8.71E-03	2.08E-06	9.27E-05	4.74E-05	8.85E-03	1.06E-02	4.80E-02	8.45E-03	1.62E-03	6.86E-02
1439	494561.06	3858451.99	0.05333	0.06098	0.043	0.02183	8.72E-03	4.73E-02	8.35E-03	1.61E-03	6.60E-02	8.59E-03	2.05E-06	9.15E-05	4.70E-05	8.73E-03	1.04E-02	4.73E-02	8.35E-03	1.61E-03	6.77E-02
1440	494611.06	3858451.99	0.05282	0.06033	0.0426	0.02167	8.64E-03	4.68E-02	8.25E-03	1.60E-03	6.53E-02	8.51E-03	2.03E-06	9.05E-05	4.67E-05	8.65E-03	1.03E-02	4.68E-02	8.25E-03	1.60E-03	6.70E-02
1441	494661.06	3858451.99	0.05227	0.05964	0.0421	0.02152	8.55E-03	4.63E-02	8.17E-03	1.58E-03	6.46E-02	8.42E-03	2.00E-06	8.96E-05	4.63E-05	8.56E-03	1.02E-02	4.63E-02	8.17E-03	1.58E-03	6.62E-02
1442	494711.06	3858451.99	0.05152	0.05878	0.0416	0.02134	8.43E-03	4.56E-02	8.07E-03	1.57E-03	6.37E-02	8.30E-03	1.97E-06	8.84E-05	4.59E-05	8.44E-03	1.01E-02	4.56E-02	8.07E-03	1.57E-03	6.53E-02
1443	494761.06	3858451.99	0.05076	0.05793	0.0411	0.02117	8.30E-03	4.49E-02	7.97E-03	1.56E-03	6.28E-02	8.18E-03	1.95E-06	8.74E-05	4.56E-05	8.31E-03	9.93E-03	4.49E-02	7.97E-03	1.56E-03	6.44E-02
1444	494811.06	3858451.99	0.05018	0.05723	0.0406	0.02101	8.21E-03	4.44E-02	7.88E-03	1.55E-03	6.20E-02	8.09E-03	1.92E-06	8.64E-05	4.52E-05	8.22E-03	9.82E-03	4.44E-02	7.88E-03	1.55E-03	6.36E-02
1445	494861.06	3858451.99	0.04944	0.05645	0.0401	0.02085	8.09E-03	4.38E-02	7.78E-03	1.54E-03	6.12E-02	7.97E-03	1.90E-06	8.53E-05	4.49E-05	8.10E-03	9.67E-03	4.38E-02	7.78E-03	1.54E-03	6.28E-02
1446	494911.06	3858451.99	0.04863	0.05544	0.0397	0.02071	7.95E-03	4.30E-02	7.70E-03	1.52E-03	6.02E-02	7.84E-03	1.86E-06	8.45E-05	4.46E-05	7.97E-03	9.52E-03	4.30E-02	7.70E-03	1.52E-03	6.17E-02
1447	494961.06	3858451.99	0.04787	0.05471	0.0391	0.0205	7.83E-03	4.24E-02	7.59E-03	1.51E-03	5.94E-02	7.71E-03	1.84E-06	8.32E-05	4.41E-05	7.84E-03	9.37E-03	4.24E-02	7.59E-03	1.51E-03	6.09E-02
1448	495011.06	3858451.99	0.04703	0.0538	0.0386	0.02033	7.69E-03	4.17E-02	7.49E-03	1.50E-03	5.84E-02	7.58E-03	1.81E-06	8.21E-05	4.38E-05	7.71E-03	9.20E-03	4.17E-02	7.49E-03	1.50E-03	5.99E-02
1449	495061.06	3858451.99	0.04668	0.05332	0.0383	0.0202	7.64E-03	4.14E-02	7.43E-03	1.49E-03	5.79E-02	7.52E-03	1.79E-06	8.15E-05	4.35E-05	7.65E-03	9.13E-03	4.14E-02	7.43E-03	1.49E-03	5.94E-02
1450	495111.06	3858451.99	0.04587	0.05246	0.0378	0.02003	7.50E-03	4.07E-02	7.33E-03	1.47E-03	5.70E-02	7.39E-03	1.76E-06	8.04E-05	4.31E-05	7.52E-03	8.98E-03	4.07E-02	7.33E-03	1.47E-03	5.85E-02
1451	495161.06	3858451.99	0.04495	0.05151	0.0372	0.01983	7.35E-03	4.00E-02	7.21E-03	1.46E-03	5.60E-02	7.24E-03	1.73E-06	7.91E-05	4.27E-05	7.37E-03	8.80E-03	4.00E-02	7.21E-03	1.46E-03	5.74E-02
1452	495211.06	3858451.99	0.04413	0.05062	0.0368	0.01964	7.22E-03	3.93E-02	7.13E-03	1.45E-03	5.51E-02	7.11E-03	1.70E-06	7.81E-05	4.23E-05	7.23E-03	8.64E-03	3.93E-02	7.13E-03	1.45E-03	5.65E-02
1453	495261.06	3858451.99	0.04363	0.05001	0.0364	0.01951	7.14E-03	3.88E-02	7.06E-03	1.44E-03	5.44E-02	7.03E-03	1.68E-06	7.74E-05	4.20E-05	7.15E-03	8.54E-03	3.88E-02	7.06E-03	1.44E-03	5.58E-02
1454	495311.06	3858451.99	0.04323	0.0495	0.0361	0.01938	7.07E-03	3.84E-02	7.01E-03	1.43E-03	5.39E-02	6.97E-03	1.66E-06	7.68E-05	4.17E-05	7.09E-03	8.46E-03	3.84E-02	7.01E-03	1.43E-03	5.53E-02
1455	495361.06	3858451.99	0.04287	0.04906	0.0359	0.01927	7.01E-03	3.81E-02	6.96E-03	1.42E-03	5.34E-02	6.91E-03	1.65E-06	7.63E-05	4.15E-05	7.03E-03	8.39E-03	3.81E-02	6.96E-03	1.42E-03	5.48E-02
1456	495411.06	3858451.99	0.04276	0.04879	0.0357	0.01917	6.99E-03	3.78E-02	6.92E-03	1.41E-03	5.32E-02	6.89E-03	1.64E-06	7.59E-05	4.13E-05	7.01E-03	8.37E-03	3.78E-02	6.92E-03	1.41E-03	5.45E-02
1457	495461.06	3858451.99	0.0427	0.04857	0.0355	0.01908	6.98E-03	3.77E-02	6.89E-03	1.40E-03	5.30E-02	6.88E-03	1.63E-06	7.55E-05	4.11E-05	7.00E-03	8.36E-03	3.77E-02	6.89E-03	1.40E-03	5.43E-02
1458	495511.06	3858451.99	0.0423	0.04807	0.0352	0.01896	6.92E-03	3.73E-02	6.83E-03	1.40E-03	5.24E-02	6.82E-03	1.61E-06	7.49E-05	4.08E-05	6.93E-03	8.28E-03	3.73E-02	6.83E-03	1.40E-03	5.38E-02
1459	495561.06	3858451.99	0.04243	0.048	0.0351	0.0189	6.94E-03	3.72E-02	6.81E-03	1.39E-03	5.24E-02	6.84E-03	1.61E-06	7.47E-05	4.07E-05	6.95E-03	8.30E-03	3.72E-02	6.81E-03	1.39E-03	5.37E-02
1460	495611.06	3858451.99	0.04192	0.04741	0.0348	0.01877	6.86E-03	3.68E-02	6.75E-03	1.38E-03	5.18E-02	6.75E-03	1.59E-06	7.40E-05	4.04E-05	6.87E-03	8.20E-03	3.68E-02	6.75E-03	1.38E-03	5.31E-02

1461	495661.06	3858451.99	0.04192	0.04726	0.0347	0.01869	6.86E-03	3.67E-02	6.72E-03	1.38E-03	5.16E-02	6.75E-03	1.59E-06	7.37E-05	4.02E-05	6.87E-03	8.20E-03	3.67E-02	6.72E-03	1.38E-03	5.30E-02
1462	494311.06	3858501.99	0.05609	0.06596	0.0452	0.02276	9.17E-03	5.12E-02	8.77E-03	1.68E-03	7.08E-02	9.04E-03	2.22E-06	9.61E-05	4.90E-05	9.19E-03	1.10E-02	5.12E-02	8.77E-03	1.68E-03	7.26E-02
1463	494361.06	3858501.99	0.05565	0.06531	0.0448	0.0226	9.10E-03	5.07E-02	8.68E-03	1.66E-03	7.01E-02	8.97E-03	2.19E-06	9.52E-05	4.87E-05	9.11E-03	1.09E-02	5.07E-02	8.68E-03	1.66E-03	7.19E-02
1464	494411.06	3858501.99	0.05511	0.06456	0.0443	0.02244	9.01E-03	5.01E-02	8.59E-03	1.65E-03	6.93E-02	8.88E-03	2.17E-06	9.41E-05	4.83E-05	9.02E-03	1.08E-02	5.01E-02	8.59E-03	1.65E-03	7.11E-02
1465	494461.06	3858501.99	0.05482	0.06404	0.0439	0.02229	8.97E-03	4.97E-02	8.50E-03	1.64E-03	6.88E-02	8.83E-03	2.15E-06	9.33E-05	4.80E-05	8.98E-03	1.07E-02	4.97E-02	8.50E-03	1.64E-03	7.06E-02
1466	494511.06	3858501.99	0.05405	0.06312	0.0432	0.0221	8.84E-03	4.90E-02	8.37E-03	1.63E-03	6.78E-02	8.71E-03	2.12E-06	9.18E-05	4.76E-05	8.85E-03	1.06E-02	4.90E-02	8.37E-03	1.63E-03	6.95E-02
1467	494561.06	3858501.99	0.05423	0.06302	0.0431	0.02202	8.87E-03	4.89E-02	8.36E-03	1.62E-03	6.77E-02	8.74E-03	2.12E-06	9.17E-05	4.74E-05	8.88E-03	1.06E-02	4.89E-02	8.36E-03	1.62E-03	6.95E-02
1468	494611.06	3858501.99	0.05358	0.06221	0.0425	0.02185	8.76E-03	4.83E-02	8.24E-03	1.61E-03	6.69E-02	8.63E-03	2.09E-06	9.03E-05	4.70E-05	8.77E-03	1.05E-02	4.83E-02	8.24E-03	1.61E-03	6.86E-02
1469	494661.06	3858501.99	0.05319	0.06164	0.0421	0.0217	8.70E-03	4.78E-02	8.16E-03	1.60E-03	6.63E-02	8.57E-03	2.07E-06	8.94E-05	4.67E-05	8.71E-03	1.04E-02	4.78E-02	8.16E-03	1.60E-03	6.80E-02
1470	494711.06	3858501.99	0.05243	0.06074	0.0415	0.02152	8.58E-03	4.71E-02	8.05E-03	1.58E-03	6.53E-02	8.45E-03	2.04E-06	8.83E-05	4.63E-05	8.58E-03	1.03E-02	4.71E-02	8.05E-03	1.58E-03	6.70E-02
1471	494761.06	3858501.99	0.05155	0.05973	0.0409	0.02131	8.43E-03	4.63E-02	7.92E-03	1.57E-03	6.43E-02	8.31E-03	2.01E-06	8.69E-05	4.59E-05	8.44E-03	1.01E-02	4.63E-02	7.92E-03	1.57E-03	6.59E-02
1472	494811.06	3858501.99	0.05074	0.0588	0.0403	0.02113	8.30E-03	4.56E-02	7.81E-03	1.56E-03	6.33E-02	8.18E-03	1.98E-06	8.57E-05	4.55E-05	8.31E-03	9.93E-03	4.56E-02	7.81E-03	1.56E-03	6.49E-02
1473	494861.06	3858501.99	0.05021	0.05812	0.0399	0.02098	8.21E-03	4.51E-02	7.73E-03	1.54E-03	6.26E-02	8.09E-03	1.95E-06	8.48E-05	4.52E-05	8.22E-03	9.83E-03	4.51E-02	7.73E-03	1.54E-03	6.42E-02
1474	494911.06	3858501.99	0.04906	0.05693	0.0392	0.02076	8.02E-03	4.42E-02	7.60E-03	1.53E-03	6.13E-02	7.91E-03	1.91E-06	8.33E-05	4.47E-05	8.04E-03	9.60E-03	4.42E-02	7.60E-03	1.53E-03	6.29E-02
1475	494961.06	3858501.99	0.04847	0.05626	0.0388	0.02061	7.93E-03	4.36E-02	7.52E-03	1.52E-03	6.06E-02	7.81E-03	1.89E-06	8.24E-05	4.44E-05	7.94E-03	9.48E-03	4.36E-02	7.52E-03	1.52E-03	6.22E-02
1476	495011.06	3858501.99	0.04751	0.05521	0.0382	0.02042	7.77E-03	4.28E-02	7.40E-03	1.50E-03	5.95E-02	7.66E-03	1.85E-06	8.12E-05	4.40E-05	7.78E-03	9.30E-03	4.28E-02	7.40E-03	1.50E-03	6.10E-02
1477	495061.06	3858501.99	0.04716	0.0547	0.0379	0.02029	7.71E-03	4.24E-02	7.35E-03	1.49E-03	5.90E-02	7.60E-03	1.84E-06	8.05E-05	4.37E-05	7.73E-03	9.23E-03	4.24E-02	7.35E-03	1.49E-03	6.05E-02
1478	495111.06	3858501.99	0.04595	0.05346	0.0372	0.02006	7.52E-03	4.15E-02	7.22E-03	1.48E-03	5.77E-02	7.40E-03	1.80E-06	7.92E-05	4.32E-05	7.53E-03	8.99E-03	4.15E-02	7.22E-03	1.48E-03	5.92E-02
1479	495161.06	3858501.99	0.04522	0.05264	0.0368	0.0199	7.40E-03	4.08E-02	7.13E-03	1.47E-03	5.68E-02	7.29E-03	1.77E-06	7.82E-05	4.28E-05	7.41E-03	8.85E-03	4.08E-02	7.13E-03	1.47E-03	5.83E-02
1480	495211.06	3858501.99	0.0445	0.05184	0.0363	0.01973	7.28E-03	4.02E-02	7.04E-03	1.45E-03	5.60E-02	7.17E-03	1.74E-06	7.72E-05	4.25E-05	7.29E-03	8.71E-03	4.02E-02	7.04E-03	1.45E-03	5.74E-02
1481	495261.06	3858501.99	0.04402	0.05124	0.0359	0.01958	7.20E-03	3.97E-02	6.96E-03	1.44E-03	5.53E-02	7.09E-03	1.72E-06	7.63E-05	4.22E-05	7.21E-03	8.61E-03	3.97E-02	6.96E-03	1.44E-03	5.68E-02
1482	495311.06	3858501.99	0.04377	0.05084	0.0357	0.01946	7.16E-03	3.94E-02	6.92E-03	1.43E-03	5.49E-02	7.05E-03	1.71E-06	7.58E-05	4.19E-05	7.17E-03	8.56E-03	3.94E-02	6.92E-03	1.43E-03	5.64E-02
1483	495361.06	3858501.99	0.04354	0.05046	0.0354	0.01935	7.12E-03	3.91E-02	6.87E-03	1.42E-03	5.46E-02	7.02E-03	1.70E-06	7.54E-05	4.17E-05	7.13E-03	8.52E-03	3.91E-02	6.87E-03	1.42E-03	5.60E-02
1484	495411.06	3858501.99	0.04341	0.05014	0.0353	0.01925	7.10E-03	3.89E-02	6.84E-03	1.42E-03	5.42E-02	6.99E-03	1.68E-06	7.49E-05	4.14E-05	7.11E-03	8.49E-03	3.89E-02	6.84E-03	1.42E-03	5.56E-02
1485	495461.06	3858501.99	0.04329	0.04985	0.0351	0.01915	7.08E-03	3.87E-02	6.80E-03	1.41E-03	5.40E-02	6.98E-03	1.67E-06	7.46E-05	4.12E-05	7.09E-03	8.47E-03	3.87E-02	6.80E-03	1.41E-03	5.54E-02
1486	495511.06	3858501.99	0.04306	0.04948	0.0349	0.01904	7.04E-03	3.84E-02	6.76E-03	1.40E-03	5.36E-02	6.94E-03	1.66E-06	7.41E-05	4.10E-05	7.06E-03	8.43E-03	3.84E-02	6.76E-03	1.40E-03	5.50E-02
1487	495561.06	3858501.99	0.04317	0.04941	0.0347	0.01897	7.06E-03	3.83E-02	6.74E-03	1.40E-03	5.35E-02	6.96E-03	1.66E-06	7.39E-05	4.08E-05	7.07E-03	8.45E-03	3.83E-02	6.74E-03	1.40E-03	5.49E-02
1488	495611.06	3858501.99	0.04291	0.04892	0.0346	0.0189	7.02E-03	3.79E-02	6.71E-03	1.39E-03	5.31E-02	6.91E-03	1.64E-06	7.36E-05	4.07E-05	7.03E-03	8.40E-03	3.79E-02	6.71E-03	1.39E-03	5.44E-02
1489	495661.06	3858501.99	0.04275	0.04868	0.0343	0.01877	6.99E-03	3.78E-02	6.65E-03	1.38E-03	5.28E-02	6.89E-03	1.64E-06	7.30E-05	4.04E-05	7.00E-03	8.37E-03	3.78E-02	6.65E-03	1.38E-03	5.42E-02
1490	494311.06	3858551.99	0.05507	0.06625	0.0447	0.02281	9.01E-03	5.14E-02	8.66E-03	1.68E-03	7.07E-02	8.87E-03	2.23E-06	9.50E-05	4.91E-05	9.02E-03	1.08E-02	5.14E-02	8.66E-03	1.68E-03	7.25E-02
1491	494361.06	3858551.99	0.05555	0.06639	0.0449	0.02276	9.09E-03	5.15E-02	8.71E-03	1.68E-03	7.10E-02	8.95E-03	2.23E-06	9.55E-05	4.90E-05	9.10E-03	1.09E-02	5.15E-02	8.71E-03	1.68E-03	7.28E-02
1492	494411.06	3858551.99	0.05576	0.06652	0.0445	0.02263	9.12E-03	5.16E-02	8.62E-03	1.67E-03	7.10E-02	8.98E-03	2.23E-06	9.46E-05	4.87E-05	9.13E-03	1.09E-02	5.16E-02	8.62E-03	1.67E-03	7.28E-02
1493	494461.06	3858551.99	0.0557	0.06619	0.0442	0.02252	9.11E-03	5.13E-02	8.58E-03	1.66E-03	7.07E-02	8.98E-03	2.22E-06	9.41E-05	4.85E-05	9.12E-03	1.09E-02	5.13E-02	8.58E-03	1.66E-03	7.25E-02
1494	494511.06	3858551.99	0.05533	0.06558	0.0438	0.02237	9.05E-03	5.09E-02	8.49E-03	1.65E-03	7.01E-02	8.92E-03	2.20E-06	9.31E-05	4.82E-05	9.06E-03	1.08E-02	5.09E-02	8.49E-03	1.65E-03	7.18E-02
1495	494561.06	3858551.99	0.05504	0.06505	0.0434	0.02222	9.00E-03	5.05E-02	8.42E-03	1.64E-03	6.95E-02	8.87E-03	2.19E-06	9.23E-05	4.78E-05	9.01E-03	1.08E-02	5.05E-02	8.42E-03	1.64E-03	7.13E-02
1496	494611.06	3858551.99	0.05456	0.06436	0.0429	0.02206	8.92E-03	4.99E-02	8.31E-03	1.62E-03	6.88E-02	8.79E-03	2.16E-06	9.12E-05	4.75E-05	8.93E-03	1.07E-02	4.99E-02	8.31E-03	1.62E-03	7.05E-02
1497	494661.06	3858551.99	0.05413	0.06372	0.0424	0.0219	8.85E-03	4.94E-02	8.22E-03	1.61E-03	6.81E-02	8.72E-03	2.14E-06	9.01E-05	4.71E-05	8.86E-03	1.06E-02	4.94E-02	8.22E-03	1.61E-03	6.99E-02
1498	494711.06	3858551.99	0.05326	0.06267	0.0417	0.02169	8.71E-03	4.86E-02	8.09E-03	1.60E-03	6.70E-02	8.58E-03	2.11E-06	8.87E-05	4.67E-05	8.72E-03	1.04E-02	4.86E-02	8.09E-03	1.60E-03	6.87E-02
1499	494761.06	3858551.99	0.0524	0.06167	0.041	0.02148	8.57E-03	4.78E-02	7.95E-03	1.58E-03	6.59E-02	8.44E-03	2.07E-06	8.72E-05	4.62E-05	8.58E-03	1.03E-02	4.78E-02	7.95E-03	1.58E-03	6.76E-02
1500	494811.06	3858551.99	0.05176	0.06086	0.0404	0.02131	8.47E-03	4.72E-02	7.83E-03	1.57E-03	6.51E-02	8.34E-03	2.04E-06	8.58E-05	4.59E-05	8.47E-03	1.01E-02	4.72E-02	7.83E-03	1.57E-03	6.67E-02
1501	494861.06	3858551.99	0.0509	0.05986	0.0398	0.02111	8.33E-03	4.64E-02	7.71E-03	1.55E-03	6.40E-02	8.20E-03	2.01E-06	8.46E-05	4.54E-05	8.33E-03	9.96E-03	4.64E-02	7.71E-03	1.55E-03	6.57E-02
1502	494911.06	3858551.99	0.04991	0.05874	0.0391	0.02089	8.16E-03	4.56E-02	7.58E-03	1.54E-03	6.28E-02	8.04E-03	1.97E-06	8.31E-05	4.50E-05	8.17E-03	9.77E-03	4.56E-02	7.58E-03	1.54E-03	6.44E-02
1503	494961.06	3858551.99	0.04915	0.05783	0.0386	0.02071	8.04E-03	4.49E-02	7.48E-03	1.52E-03	6.19E-02	7.92E-03	1.94E-06	8.20E-05	4.46E-05	8.05E-03	9.62E-03	4.49E-02	7.48E-03	1.52E-03	6.35E-02
1504	495011.06	3858551.99	0.04814	0.05673	0.0379	0.02051	7.87E-03	4.40E-02	7.36E-03	1.51E-03	6.07E-02	7.76E-03	1.91E-06	8.07E-05	4.42E-05	7.88E-03	9.42E-03	4.40E-02	7.36E-03	1.51E-03	6.23E-02
1505	495061.06	3858551.99	0.04751	0.05602	0.0375	0.02035	7.77E-03	4.35E-02	7.27E-03	1.50E-03	6.00E-02	7.66E-03	1.88E-06	7.97E-05	4.38E-05	7.78E-03	9.30E-03	4.35E-02	7.27E-03	1.50E-03	6.15E-02
1506	495111.06	3858551.99	0.04631	0.05473	0.0368	0.02012	7.57E-03	4.25E-02	7.14E-03	1.48E-03	5.86E-02	7.46E-03	1.84E-06	7.82E-05	4.33E-05	7.59E-03	9.06E-03	4.25E-02	7.14E-03	1.48E-03	6.01E-02
1507	495161.06	3858551.99	0.04556	0.05388	0.0364	0.01995	7.45E-03	4.18E-02	7.05E-03	1.47E-03	5.78E-02	7.34E-03	1.81E-06	7.73E-05	4.29E-05	7.46E-03	8.92E-03	4.18E-02	7.05E-03	1.47E-03	5.92E-02
1508	495211.06	3858551.99	0.04492	0.05311	0.036	0.01979	7.35E-03	4.12E-02	6.97E-03	1.46E-03	5.70E-02	7.24E-03	1.78E-06	7.64E-05	4.26E-05	7.36E-03	8.79E-03	4.12E-02	6.97E-03	1.46E-03	5.84E-02
1509	495261.06	3858551.99	0.0445	0.05254	0.0356	0.01965	7.28E-03	4.08E-02	6.91E-03	1.45E-03	5.64E-02	7.17E-03	1.76E-06	7.58E-05	4.23E-05	7.29E-03	8.71E-03	4.08E-02	6.91E-03	1.45E-03	5.78E-02
1510	495311.06	3858551.99	0.04434	0.05219	0.0354	0.01955	7.25E-03	4.05E-02	6.87E-03	1.44E-03	5.60E-02	7.14E-03	1.75E-06	7.54E-05	4.21E-05	7.26E-03	8.68E-03	4.05E-02	6.87E-03	1.44E-03	5.75E-02
1511	495361.06	3858551.99	0.04411	0.0518	0.0352	0.01944	7.21E-03	4.02E-02	6.83E-03	1.43E-03	5.57E-02	7.11E-03	1.74E-06	7.49E-05	4.18E-05	7.23E-03	8.63E-03	4.02E-02	6.83E-03	1.43E-03	5.71E-02
1512	495411.06	3858551.99	0.04406	0.05155	0.0351	0.01934	7.21E-03	4.00E-02	6.80E-03	1.42E-03	5.54E-02	7.10E-03	1.73E-06	7.45E-05	4.16E-05	7.22E-03	8.62E-03	4.00E-02	6.80E-03	1.42E-03	5.68E-02
1513	495461.06	3858551.99	0.04389	0.05122	0.0349	0.01924	7.18E-03	3.97E-02	6.76E-03	1.42E-03	5.51E-02	7.07E-03	1.72E-06	7.41E-05	4.14E-05	7.19E-03	8.59E-03	3.97E-02	6.76E-03	1.42E-03	5.65E-02
1514	495511.06	3858551.99	0.04385	0.05099	0.0347	0.01915	7.17E-03	3.96E-02	6.73E-03	1.41E-03	5.49E-02	7.07E-03	1.71E-06	7.38E-05	4.12E-05	7.18E-03	8.58E-03	3.96E-02	6.73E-03	1.41E-03	5.63E-02
1515	495561.06	3858551.99	0.04368	0.05066	0.0345	0.01904	7.14E-03	3.93E-02	6.69E-03	1.40E-03	5.45E-02	7.04E-03	1.70E-06	7.34E-05	4.10E-05	7.15E-03	8.55E-03	3.93E-02	6.69E-03	1.40E-03	5.59E-02
1516	495611.06	3858551.99	0.04344	0.05027	0.0343	0.01894	7.11E-03	3.90E-02	6.65E-03	1.39E-03	5.41E-02	7.00E-03	1.69E-06	7.29E-05	4.08E-05	7.11E-03	8.50E-03	3.90E-02	6.65E-03	1.39E-03	5.55E-02
1517	495661.06	3858551.99	0.04316	0.04985	0.034	0.01882	7.06E-03	3.87E-02	6.60E-03	1.39E-03	5.37E-02	6.95E-03	1.67E-06	7.23E-05	4.05E-05	7.07E-03	8.45E-03	3.87E-02	6.60E-03	1.39E-03	5.51E-02
1518	494311.06	3858601.99	0.05161	0.06472	0.0416	0.0224	8.44E-03	5.02E-02	8.06E-03	1.65E-03	6.84E-02	8.32E-03	2.17E-06	8.84E-05	4.82E-05	8.45E-03	1.01E-02	5.02E-02	8.06E-03	1.65E-03	7.00E-02
1519	494361.06	3858601.99	0.05482	0.06713	0.0442	0.02278	8.97E-03	5.21E-02	8.57E-03	1.68E-03	7.13E-02	8.83E-03	2.25E-06	9.39E-05	4.90E-05	8.98E-03	1.07E-02	5.21E-02	8.57E-03	1.68E-03	7.30E-02
1520	494411.06	3858601.99	0.05676	0.06886	0.0446	0.0229	9.28E-03	5.34E-02	8.65E-03	1.69E-03	7.30E-02	9.15E-03	2.31E-06	9.49E-05	4.93E-05	9.29E-03	1.11E-02	5.34E-02	8.65E-03	1.69E-03	7.49E-02
1521	494461.06	3858601.99	0.05666	0.06848	0.0444	0.02278	9.27E-03	5.31E-02	8.60E-03	1.68E-03	7.27E-02	9.13E-03	2.30E-06	9.43E-05	4.90E-05	9.28E-03	1.11E-02	5.31E-02	8.60E-03	1.68E-03	7.45E-02

1522	494511.06	3858601.99	0.05607	0.0674	0.0441	0.02264	9.17E-03	5.23E-02	8.55E-03	1.67E-03	7.17E-02	9.03E-03	2.26E-06	9.37E-05	4.87E-05	9.18E-03	1.10E-02	5.23E-02	8.55E-03	1.67E-03	7.35E-02
1523	494561.06	3858601.99	0.05614	0.06741	0.0437	0.02249	9.18E-03	5.23E-02	8.47E-03	1.66E-03	7.16E-02	9.05E-03	2.26E-06	9.29E-05	4.84E-05	9.19E-03	1.10E-02	5.23E-02	8.47E-03	1.66E-03	7.34E-02
1524	494611.06	3858601.99	0.05544	0.06648	0.0431	0.02229	9.07E-03	5.16E-02	8.37E-03	1.64E-03	7.06E-02	8.93E-03	2.23E-06	9.17E-05	4.80E-05	9.08E-03	1.08E-02	5.16E-02	8.37E-03	1.64E-03	7.24E-02
1525	494661.06	3858601.99	0.05495	0.06576	0.0427	0.02211	8.99E-03	5.10E-02	8.28E-03	1.63E-03	6.99E-02	8.85E-03	2.21E-06	9.08E-05	4.76E-05	8.99E-03	1.08E-02	5.10E-02	8.28E-03	1.63E-03	7.17E-02
1526	494711.06	3858601.99	0.05415	0.06474	0.0421	0.02189	8.86E-03	5.02E-02	8.17E-03	1.61E-03	6.89E-02	8.73E-03	2.17E-06	8.96E-05	4.71E-05	8.86E-03	1.06E-02	5.02E-02	8.17E-03	1.61E-03	7.06E-02
1527	494761.06	3858601.99	0.05335	0.06374	0.0414	0.02168	8.73E-03	4.94E-02	8.03E-03	1.60E-03	6.78E-02	8.60E-03	2.14E-06	8.80E-05	4.67E-05	8.73E-03	1.04E-02	4.94E-02	8.03E-03	1.60E-03	6.95E-02
1528	494811.06	3858601.99	0.05211	0.06233	0.0404	0.02141	8.52E-03	4.83E-02	7.84E-03	1.58E-03	6.63E-02	8.40E-03	2.09E-06	8.60E-05	4.61E-05	8.53E-03	1.02E-02	4.84E-02	7.84E-03	1.58E-03	6.80E-02
1529	494861.06	3858601.99	0.05149	0.06151	0.0399	0.02123	8.42E-03	4.77E-02	7.73E-03	1.56E-03	6.54E-02	8.30E-03	2.07E-06	8.48E-05	4.57E-05	8.43E-03	1.01E-02	4.77E-02	7.73E-03	1.56E-03	6.71E-02
1530	494911.06	3858601.99	0.05034	0.06024	0.0389	0.02099	8.23E-03	4.67E-02	7.55E-03	1.55E-03	6.41E-02	8.11E-03	2.02E-06	8.28E-05	4.52E-05	8.24E-03	9.85E-03	4.67E-02	7.55E-03	1.55E-03	6.57E-02
1531	494961.06	3858601.99	0.04957	0.05928	0.0384	0.0208	8.11E-03	4.60E-02	7.44E-03	1.53E-03	6.31E-02	7.99E-03	1.99E-06	8.16E-05	4.48E-05	8.12E-03	9.70E-03	4.60E-02	7.44E-03	1.53E-03	6.47E-02
1532	495011.06	3858601.99	0.04876	0.05832	0.0378	0.0206	7.98E-03	4.52E-02	7.33E-03	1.52E-03	6.21E-02	7.86E-03	1.96E-06	8.03E-05	4.43E-05	7.98E-03	9.54E-03	4.52E-02	7.33E-03	1.52E-03	6.36E-02
1533	495061.06	3858601.99	0.04791	0.05732	0.0372	0.0204	7.84E-03	4.45E-02	7.22E-03	1.50E-03	6.10E-02	7.72E-03	1.93E-06	7.91E-05	4.39E-05	7.84E-03	9.38E-03	4.45E-02	7.22E-03	1.50E-03	6.26E-02
1534	495111.06	3858601.99	0.04657	0.05595	0.0364	0.02017	7.62E-03	4.34E-02	7.07E-03	1.48E-03	5.96E-02	7.50E-03	1.88E-06	7.75E-05	4.34E-05	7.63E-03	9.11E-03	4.34E-02	7.07E-03	1.48E-03	6.11E-02
1535	495161.06	3858601.99	0.04592	0.05515	0.036	0.02	7.51E-03	4.28E-02	6.97E-03	1.47E-03	5.87E-02	7.40E-03	1.85E-06	7.65E-05	4.31E-05	7.52E-03	8.99E-03	4.28E-02	6.97E-03	1.47E-03	6.02E-02
1536	495211.06	3858601.99	0.04554	0.05459	0.0357	0.01986	7.45E-03	4.23E-02	6.92E-03	1.46E-03	5.82E-02	7.34E-03	1.83E-06	7.58E-05	4.28E-05	7.46E-03	8.91E-03	4.23E-02	6.92E-03	1.46E-03	5.96E-02
1537	495261.06	3858601.99	0.04508	0.05395	0.0354	0.01972	7.37E-03	4.18E-02	6.85E-03	1.45E-03	5.75E-02	7.26E-03	1.81E-06	7.52E-05	4.25E-05	7.38E-03	8.82E-03	4.19E-02	6.85E-03	1.45E-03	5.90E-02
1538	495311.06	3858601.99	0.04477	0.05346	0.0351	0.01959	7.32E-03	4.15E-02	6.80E-03	1.44E-03	5.70E-02	7.21E-03	1.80E-06	7.46E-05	4.22E-05	7.33E-03	8.76E-03	4.15E-02	6.80E-03	1.44E-03	5.85E-02
1539	495361.06	3858601.99	0.04463	0.05313	0.0349	0.01948	7.30E-03	4.12E-02	6.77E-03	1.43E-03	5.67E-02	7.19E-03	1.78E-06	7.42E-05	4.19E-05	7.31E-03	8.73E-03	4.12E-02	6.77E-03	1.43E-03	5.82E-02
1540	495411.06	3858601.99	0.0445	0.0528	0.0347	0.01938	7.28E-03	4.10E-02	6.73E-03	1.43E-03	5.64E-02	7.17E-03	1.77E-06	7.38E-05	4.17E-05	7.29E-03	8.71E-03	4.10E-02	6.73E-03	1.43E-03	5.78E-02
1541	495461.06	3858601.99	0.04441	0.05252	0.0346	0.01928	7.26E-03	4.07E-02	6.70E-03	1.42E-03	5.61E-02	7.16E-03	1.76E-06	7.35E-05	4.15E-05	7.27E-03	8.69E-03	4.07E-02	6.70E-03	1.42E-03	5.76E-02
1542	495511.06	3858601.99	0.04408	0.05203	0.0343	0.01916	7.21E-03	4.04E-02	6.65E-03	1.41E-03	5.56E-02	7.10E-03	1.75E-06	7.29E-05	4.12E-05	7.22E-03	8.63E-03	4.04E-02	6.65E-03	1.41E-03	5.70E-02
1543	495561.06	3858601.99	0.04409	0.05184	0.0342	0.01907	7.21E-03	4.02E-02	6.63E-03	1.40E-03	5.55E-02	7.10E-03	1.74E-06	7.27E-05	4.11E-05	7.22E-03	8.63E-03	4.02E-02	6.63E-03	1.40E-03	5.69E-02
1544	495611.06	3858601.99	0.04368	0.05128	0.0339	0.01894	7.14E-03	3.98E-02	6.57E-03	1.39E-03	5.49E-02	7.04E-03	1.72E-06	7.21E-05	4.08E-05	7.15E-03	8.55E-03	3.98E-02	6.57E-03	1.39E-03	5.63E-02
1545	495661.06	3858601.99	0.04362	0.05104	0.0338	0.01885	7.13E-03	3.96E-02	6.54E-03	1.39E-03	5.47E-02	7.03E-03	1.71E-06	7.18E-05	4.06E-05	7.14E-03	8.54E-03	3.96E-02	6.54E-03	1.39E-03	5.61E-02
1546	494311.06	3858651.99	0.05077	0.06529	0.0407	0.02238	8.30E-03	5.06E-02	7.89E-03	1.65E-03	6.85E-02	8.18E-03	2.19E-06	8.65E-05	4.82E-05	8.32E-03	9.93E-03	5.06E-02	7.89E-03	1.65E-03	7.01E-02
1547	494361.06	3858651.99	0.0539	0.06769	0.0433	0.02275	8.82E-03	5.25E-02	8.39E-03	1.67E-03	7.14E-02	8.69E-03	2.27E-06	9.20E-05	4.90E-05	8.83E-03	1.05E-02	5.25E-02	8.39E-03	1.67E-03	7.31E-02
1548	494411.06	3858651.99	0.05718	0.07053	0.0453	0.02315	9.35E-03	5.47E-02	8.78E-03	1.70E-03	7.45E-02	9.21E-03	2.37E-06	9.63E-05	4.98E-05	9.36E-03	1.12E-02	5.47E-02	8.78E-03	1.70E-03	7.64E-02
1549	494461.06	3858651.99	0.05733	0.07061	0.0445	0.02297	9.38E-03	5.48E-02	8.62E-03	1.69E-03	7.45E-02	9.24E-03	2.37E-06	9.46E-05	4.94E-05	9.38E-03	1.12E-02	5.48E-02	8.62E-03	1.69E-03	7.63E-02
1550	494511.06	3858651.99	0.05696	0.06994	0.0441	0.0228	9.32E-03	5.43E-02	8.55E-03	1.68E-03	7.38E-02	9.18E-03	2.35E-06	9.37E-05	4.91E-05	9.32E-03	1.11E-02	5.43E-02	8.55E-03	1.68E-03	7.56E-02
1551	494561.06	3858651.99	0.05676	0.06945	0.0438	0.02267	9.28E-03	5.39E-02	8.49E-03	1.67E-03	7.33E-02	9.15E-03	2.33E-06	9.31E-05	4.88E-05	9.29E-03	1.11E-02	5.39E-02	8.49E-03	1.67E-03	7.51E-02
1552	494611.06	3858651.99	0.0564	0.0688	0.0434	0.02251	9.22E-03	5.34E-02	8.41E-03	1.66E-03	7.27E-02	9.09E-03	2.31E-06	9.22E-05	4.85E-05	9.23E-03	1.10E-02	5.34E-02	8.41E-03	1.66E-03	7.45E-02
1553	494661.06	3858651.99	0.05576	0.06788	0.0428	0.02231	9.12E-03	5.27E-02	8.30E-03	1.64E-03	7.17E-02	8.98E-03	2.28E-06	9.10E-05	4.80E-05	9.13E-03	1.09E-02	5.27E-02	8.30E-03	1.64E-03	7.35E-02
1554	494711.06	3858651.99	0.05483	0.06667	0.0421	0.02208	8.97E-03	5.17E-02	8.17E-03	1.63E-03	7.05E-02	8.83E-03	2.24E-06	8.96E-05	4.75E-05	8.97E-03	1.07E-02	5.17E-02	8.17E-03	1.63E-03	7.22E-02
1555	494761.06	3858651.99	0.05413	0.06572	0.0416	0.02188	8.85E-03	5.10E-02	8.06E-03	1.61E-03	6.95E-02	8.72E-03	2.21E-06	8.84E-05	4.71E-05	8.86E-03	1.06E-02	5.10E-02	8.06E-03	1.61E-03	7.12E-02
1556	494811.06	3858651.99	0.05304	0.0644	0.0409	0.0216	8.68E-03	5.00E-02	7.92E-03	1.59E-03	6.81E-02	8.55E-03	2.16E-06	8.69E-05	4.65E-05	8.68E-03	1.04E-02	5.00E-02	7.92E-03	1.59E-03	6.99E-02
1557	494861.06	3858651.99	0.05204	0.06321	0.0401	0.02136	8.51E-03	4.90E-02	7.77E-03	1.57E-03	6.69E-02	8.39E-03	2.12E-06	8.52E-05	4.60E-05	8.52E-03	1.02E-02	4.90E-02	7.77E-03	1.57E-03	6.86E-02
1558	494911.06	3858651.99	0.05093	0.06189	0.0392	0.02111	8.33E-03	4.80E-02	7.60E-03	1.55E-03	6.55E-02	8.21E-03	2.08E-06	8.33E-05	4.54E-05	8.34E-03	9.97E-03	4.80E-02	7.60E-03	1.55E-03	6.71E-02
1559	494961.06	3858651.99	0.04995	0.06072	0.0384	0.02088	8.17E-03	4.71E-02	7.44E-03	1.54E-03	6.42E-02	8.05E-03	2.04E-06	8.16E-05	4.49E-05	8.18E-03	9.77E-03	4.71E-02	7.44E-03	1.54E-03	6.59E-02
1560	495011.06	3858651.99	0.0492	0.05979	0.0377	0.02068	8.05E-03	4.64E-02	7.30E-03	1.52E-03	6.33E-02	7.93E-03	2.01E-06	8.01E-05	4.45E-05	8.05E-03	9.63E-03	4.64E-02	7.30E-03	1.52E-03	6.48E-02
1561	495061.06	3858651.99	0.04835	0.05874	0.0371	0.02048	7.91E-03	4.56E-02	7.19E-03	1.51E-03	6.22E-02	7.79E-03	1.97E-06	7.89E-05	4.41E-05	7.92E-03	9.46E-03	4.56E-02	7.19E-03	1.51E-03	6.37E-02
1562	495111.06	3858651.99	0.04733	0.0576	0.0364	0.02025	7.74E-03	4.47E-02	7.05E-03	1.49E-03	6.10E-02	7.63E-03	1.93E-06	7.74E-05	4.36E-05	7.75E-03	9.26E-03	4.47E-02	7.05E-03	1.49E-03	6.25E-02
1563	495161.06	3858651.99	0.04671	0.05677	0.0359	0.02008	7.64E-03	4.40E-02	6.97E-03	1.48E-03	6.01E-02	7.53E-03	1.91E-06	7.64E-05	4.32E-05	7.65E-03	9.14E-03	4.40E-02	6.97E-03	1.48E-03	6.16E-02
1564	495211.06	3858651.99	0.04597	0.05587	0.0355	0.01991	7.52E-03	4.33E-02	6.88E-03	1.47E-03	5.92E-02	7.41E-03	1.88E-06	7.54E-05	4.29E-05	7.53E-03	9.00E-03	4.33E-02	6.88E-03	1.47E-03	6.07E-02
1565	495261.06	3858651.99	0.04582	0.05551	0.0353	0.01979	7.49E-03	4.31E-02	6.84E-03	1.46E-03	5.88E-02	7.38E-03	1.86E-06	7.50E-05	4.26E-05	7.50E-03	8.97E-03	4.31E-02	6.84E-03	1.46E-03	6.03E-02
1566	495311.06	3858651.99	0.04549	0.05498	0.035	0.01966	7.44E-03	4.26E-02	6.78E-03	1.45E-03	5.83E-02	7.33E-03	1.85E-06	7.44E-05	4.23E-05	7.45E-03	8.90E-03	4.27E-02	6.78E-03	1.45E-03	5.98E-02
1567	495361.06	3858651.99	0.04528	0.05461	0.0348	0.01955	7.41E-03	4.24E-02	6.74E-03	1.44E-03	5.79E-02	7.30E-03	1.83E-06	7.39E-05	4.21E-05	7.41E-03	8.86E-03	4.24E-02	6.74E-03	1.44E-03	5.94E-02
1568	495411.06	3858651.99	0.04526	0.05433	0.0346	0.01945	7.40E-03	4.21E-02	6.71E-03	1.43E-03	5.77E-02	7.29E-03	1.83E-06	7.36E-05	4.19E-05	7.41E-03	8.86E-03	4.21E-02	6.71E-03	1.43E-03	5.91E-02
1569	495461.06	3858651.99	0.0453	0.05414	0.0345	0.01937	7.41E-03	4.20E-02	6.69E-03	1.43E-03	5.75E-02	7.30E-03	1.82E-06	7.34E-05	4.17E-05	7.42E-03	8.86E-03	4.20E-02	6.69E-03	1.43E-03	5.90E-02
1570	495511.06	3858651.99	0.04484	0.05357	0.0342	0.01923	7.33E-03	4.16E-02	6.63E-03	1.42E-03	5.69E-02	7.23E-03	1.80E-06	7.27E-05	4.14E-05	7.34E-03	8.77E-03	4.16E-02	6.63E-03	1.42E-03	5.84E-02
1571	495561.06	3858651.99	0.04457	0.05312	0.0339	0.01912	7.29E-03	4.12E-02	6.58E-03	1.41E-03	5.65E-02	7.18E-03	1.78E-06	7.21E-05	4.12E-05	7.30E-03	8.72E-03	4.12E-02	6.58E-03	1.41E-03	5.79E-02
1572	495611.06	3858651.99	0.04409	0.05248	0.0336	0.01897	7.21E-03	4.07E-02	6.51E-03	1.40E-03	5.58E-02	7.10E-03	1.76E-06	7.14E-05	4.08E-05	7.22E-03	8.63E-03	4.07E-02	6.51E-03	1.40E-03	5.72E-02
1573	495661.06	3858651.99	0.044	0.0522	0.0334	0.01888	7.20E-03	4.05E-02	6.48E-03	1.39E-03	5.56E-02	7.09E-03	1.75E-06	7.11E-05	4.06E-05	7.20E-03	8.61E-03	4.05E-02	6.48E-03	1.39E-03	5.70E-02
1574	494311.06	3858701.99	0.05124	0.06711	0.0408	0.02252	8.38E-03	5.21E-02	7.92E-03	1.66E-03	7.00E-02	8.26E-03	2.25E-06	8.68E-05	4.85E-05	8.39E-03	1.00E-02	5.21E-02	7.92E-03	1.66E-03	7.17E-02
1575	494361.06	3858701.99	0.05544	0.07064	0.044	0.02312	9.07E-03	5.48E-02	8.53E-03	1.70E-03	7.41E-02	8.93E-03	2.37E-06	9.35E-05	4.98E-05	9.08E-03	1.08E-02	5.48E-02	8.53E-03	1.70E-03	7.59E-02
1576	494411.06	3858701.99	0.05774	0.07262	0.0456	0.02335	9.44E-03	5.63E-02	8.85E-03	1.72E-03	7.63E-02	9.30E-03	2.44E-06	9.70E-05	5.03E-05	9.45E-03	1.13E-02	5.63E-02	8.85E-03	1.72E-03	7.82E-02
1577	494461.06	3858701.99	0.05782	0.07237	0.0456	0.02325	9.46E-03	5.61E-02	8.83E-03	1.71E-03	7.61E-02	9.32E-03	2.43E-06	9.68E-05	5.01E-05	9.47E-03	1.13E-02	5.61E-02	8.83E-03	1.71E-03	7.80E-02
1578	494511.06	3858701.99	0.05763	0.07212	0.0443	0.023	9.43E-03	5.59E-02	8.59E-03	1.69E-03	7.57E-02	9.29E-03	2.42E-06	9.42E-05	4.95E-05	9.43E-03	1.13E-02	5.59E-02	8.59E-03	1.69E-03	7.75E-02
1579	494561.06	3858701.99	0.0573	0.07146	0.0439	0.02284	9.37E-03	5.54E-02	8.51E-03	1.68E-03	7.50E-02	9.23E-03	2.40E-06	9.34E-05	4.92E-05	9.38E-03	1.12E-02	5.54E-02	8.51E-03	1.68E-03	7.68E-02
1580	494611.06	3858701.99	0.05619	0.07001	0.043	0.02257	9.19E-03	5.43E-02	8.34E-03	1.66E-03	7.35E-02	9.05E-03	2.35E-06	9.15E-05	4.86E-05	9.20E-03	1.10E-02	5.43E-02	8.34E-03	1.66E-03	7.53E-02
1581	494661.06	3858701.99	0.0562	0.06971	0.0429	0.02246	9.19E-03	5.41E-02	8.31E-03	1.65E-03	7.32E-02	9.06E-03	2.34E-06	9.11E-05	4.84E-05	9.20E-03	1.10E-02	5.41E-02	8.31E-03	1.65E-03	7.50E-02
1582	494711.06	3858701.99	0.05371	0.06689	0.0412	0.02199	8.78E-03	5.19E-02	7.99E-03	1.62E-03	7.03E-02	8.65E-03	2.25E-06	8.76E-05	4.73E-05	8.79E-03	1.05E-02	5.19E-02	7.99E-03	1.62E-03	7.20E-02

1583	494761.06	3858701.99	0.05432	0.06723	0.0414	0.02196	8.88E-03	5.22E-02	8.03E-03	1.62E-03	7.07E-02	8.75E-03	2.26E-06	8.80E-05	4.73E-05	8.89E-03	1.06E-02	5.22E-02	8.03E-03	1.62E-03	7.24E-02
1584	494811.06	3858701.99	0.05349	0.06584	0.0406	0.02171	8.75E-03	5.11E-02	7.87E-03	1.60E-03	6.93E-02	8.62E-03	2.21E-06	8.63E-05	4.67E-05	8.75E-03	1.05E-02	5.11E-02	7.87E-03	1.60E-03	7.10E-02
1585	494861.06	3858701.99	0.05239	0.06473	0.04	0.02147	8.57E-03	5.02E-02	7.76E-03	1.58E-03	6.81E-02	8.44E-03	2.17E-06	8.51E-05	4.62E-05	8.58E-03	1.03E-02	5.02E-02	7.76E-03	1.58E-03	6.98E-02
1586	494911.06	3858701.99	0.05166	0.06375	0.0395	0.02126	8.45E-03	4.95E-02	7.66E-03	1.57E-03	6.71E-02	8.32E-03	2.14E-06	8.40E-05	4.58E-05	8.46E-03	1.01E-02	4.95E-02	7.66E-03	1.57E-03	6.88E-02
1587	494961.06	3858701.99	0.05013	0.06201	0.0383	0.02093	8.20E-03	4.81E-02	7.42E-03	1.54E-03	6.53E-02	8.08E-03	2.08E-06	8.14E-05	4.51E-05	8.21E-03	9.81E-03	4.81E-02	7.42E-03	1.54E-03	6.69E-02
1588	495011.06	3858701.99	0.0492	0.06085	0.0376	0.0207	8.05E-03	4.72E-02	7.29E-03	1.52E-03	6.41E-02	7.93E-03	2.04E-06	7.99E-05	4.46E-05	8.05E-03	9.63E-03	4.72E-02	7.29E-03	1.52E-03	6.56E-02
1589	495061.06	3858701.99	0.04883	0.06024	0.0372	0.02056	7.99E-03	4.67E-02	7.21E-03	1.51E-03	6.34E-02	7.87E-03	2.02E-06	7.91E-05	4.43E-05	7.99E-03	9.56E-03	4.67E-02	7.21E-03	1.51E-03	6.50E-02
1590	495111.06	3858701.99	0.04774	0.05897	0.0363	0.02032	7.81E-03	4.57E-02	7.04E-03	1.50E-03	6.21E-02	7.69E-03	1.98E-06	7.72E-05	4.37E-05	7.82E-03	9.34E-03	4.57E-02	7.04E-03	1.50E-03	6.36E-02
1591	495161.06	3858701.99	0.04723	0.05823	0.0359	0.02016	7.72E-03	4.52E-02	6.97E-03	1.48E-03	6.13E-02	7.61E-03	1.96E-06	7.64E-05	4.34E-05	7.73E-03	9.24E-03	4.52E-02	6.97E-03	1.48E-03	6.29E-02
1592	495211.06	3858701.99	0.04651	0.05732	0.0354	0.01996	7.61E-03	4.45E-02	6.86E-03	1.47E-03	6.04E-02	7.49E-03	1.93E-06	7.52E-05	4.30E-05	7.61E-03	9.10E-03	4.45E-02	6.86E-03	1.47E-03	6.19E-02
1593	495261.06	3858701.99	0.0464	0.05697	0.0352	0.01985	7.59E-03	4.42E-02	6.83E-03	1.46E-03	6.01E-02	7.48E-03	1.91E-06	7.49E-05	4.27E-05	7.60E-03	9.08E-03	4.42E-02	6.83E-03	1.46E-03	6.16E-02
1594	495311.06	3858701.99	0.04629	0.05663	0.035	0.01974	7.57E-03	4.39E-02	6.79E-03	1.45E-03	5.97E-02	7.46E-03	1.90E-06	7.45E-05	4.25E-05	7.58E-03	9.06E-03	4.39E-02	6.79E-03	1.45E-03	6.12E-02
1595	495361.06	3858701.99	0.04604	0.05617	0.0348	0.01961	7.53E-03	4.36E-02	6.75E-03	1.44E-03	5.93E-02	7.42E-03	1.89E-06	7.40E-05	4.22E-05	7.54E-03	9.01E-03	4.36E-02	6.75E-03	1.44E-03	6.08E-02
1596	495411.06	3858701.99	0.04604	0.05593	0.0347	0.01952	7.53E-03	4.34E-02	6.73E-03	1.44E-03	5.91E-02	7.42E-03	1.88E-06	7.38E-05	4.20E-05	7.54E-03	9.01E-03	4.34E-02	6.73E-03	1.44E-03	6.06E-02
1597	495461.06	3858701.99	0.04588	0.05555	0.0345	0.01941	7.50E-03	4.31E-02	6.69E-03	1.43E-03	5.87E-02	7.39E-03	1.87E-06	7.33E-05	4.18E-05	7.51E-03	8.98E-03	4.31E-02	6.69E-03	1.43E-03	6.02E-02
1598	495511.06	3858701.99	0.04558	0.05504	0.0342	0.01928	7.46E-03	4.27E-02	6.63E-03	1.42E-03	5.82E-02	7.34E-03	1.85E-06	7.27E-05	4.15E-05	7.46E-03	8.92E-03	4.27E-02	6.63E-03	1.42E-03	5.97E-02
1599	495561.06	3858701.99	0.04519	0.05447	0.0339	0.01915	7.39E-03	4.23E-02	6.57E-03	1.41E-03	5.76E-02	7.28E-03	1.83E-06	7.20E-05	4.12E-05	7.40E-03	8.84E-03	4.23E-02	6.57E-03	1.41E-03	5.91E-02
1600	495611.06	3858701.99	0.04479	0.05389	0.0336	0.01901	7.33E-03	4.18E-02	6.51E-03	1.40E-03	5.70E-02	7.22E-03	1.81E-06	7.14E-05	4.09E-05	7.33E-03	8.76E-03	4.18E-02	6.51E-03	1.40E-03	5.85E-02
1601	495661.06	3858701.99	0.04458	0.05349	0.0334	0.0189	7.29E-03	4.15E-02	6.47E-03	1.39E-03	5.66E-02	7.18E-03	1.80E-06	7.10E-05	4.07E-05	7.30E-03	8.72E-03	4.15E-02	6.47E-03	1.39E-03	5.81E-02
1602	494311.06	3858751.99	0.05198	0.069	0.0412	0.02278	8.50E-03	5.35E-02	7.99E-03	1.68E-03	7.17E-02	8.38E-03	2.32E-06	8.77E-05	4.90E-05	8.51E-03	1.02E-02	5.35E-02	7.99E-03	1.68E-03	7.34E-02
1603	494361.06	3858751.99	0.05668	0.07343	0.0448	0.02343	9.27E-03	5.70E-02	8.68E-03	1.73E-03	7.66E-02	9.13E-03	2.47E-06	9.52E-05	5.04E-05	9.28E-03	1.11E-02	5.70E-02	8.68E-03	1.73E-03	7.85E-02
1604	494411.06	3858751.99	0.0584	0.07491	0.0461	0.02361	9.55E-03	5.81E-02	8.94E-03	1.74E-03	7.83E-02	9.41E-03	2.52E-06	9.80E-05	5.08E-05	9.56E-03	1.14E-02	5.81E-02	8.94E-03	1.74E-03	8.02E-02
1605	494461.06	3858751.99	0.05847	0.07464	0.046	0.0235	9.56E-03	5.79E-02	8.93E-03	1.73E-03	7.81E-02	9.42E-03	2.51E-06	9.79E-05	5.06E-05	9.57E-03	1.14E-02	5.79E-02	8.93E-03	1.73E-03	8.00E-02
1606	494511.06	3858751.99	0.05846	0.07457	0.0446	0.02324	9.56E-03	5.78E-02	8.66E-03	1.71E-03	7.78E-02	9.42E-03	2.50E-06	9.49E-05	5.00E-05	9.57E-03	1.14E-02	5.78E-02	8.66E-03	1.71E-03	7.97E-02
1607	494561.06	3858751.99	0.05796	0.07341	0.0445	0.02309	9.48E-03	5.69E-02	8.62E-03	1.70E-03	7.67E-02	9.34E-03	2.47E-06	9.46E-05	4.97E-05	9.49E-03	1.13E-02	5.69E-02	8.62E-03	1.70E-03	7.86E-02
1608	494611.06	3858751.99	0.05701	0.07212	0.0436	0.02281	9.32E-03	5.59E-02	8.45E-03	1.68E-03	7.54E-02	9.19E-03	2.42E-06	9.26E-05	4.91E-05	9.33E-03	1.12E-02	5.59E-02	8.45E-03	1.68E-03	7.72E-02
1609	494661.06	3858751.99	0.0567	0.07142	0.0435	0.02268	9.27E-03	5.54E-02	8.43E-03	1.67E-03	7.48E-02	9.14E-03	2.40E-06	9.24E-05	4.88E-05	9.28E-03	1.11E-02	5.54E-02	8.43E-03	1.67E-03	7.66E-02
1610	494711.06	3858751.99	0.05536	0.0697	0.0423	0.02235	9.05E-03	5.41E-02	8.21E-03	1.65E-03	7.30E-02	8.92E-03	2.34E-06	9.00E-05	4.81E-05	9.06E-03	1.08E-02	5.41E-02	8.21E-03	1.65E-03	7.48E-02
1611	494761.06	3858751.99	0.0548	0.06905	0.0414	0.02211	8.96E-03	5.36E-02	8.04E-03	1.63E-03	7.22E-02	8.83E-03	2.32E-06	8.81E-05	4.76E-05	8.97E-03	1.07E-02	5.36E-02	8.04E-03	1.63E-03	7.40E-02
1612	494811.06	3858751.99	0.05363	0.06754	0.0406	0.02182	8.77E-03	5.24E-02	7.86E-03	1.61E-03	7.06E-02	8.64E-03	2.27E-06	8.62E-05	4.70E-05	8.78E-03	1.05E-02	5.24E-02	7.86E-03	1.61E-03	7.24E-02
1613	494861.06	3858751.99	0.05262	0.06618	0.0398	0.02156	8.61E-03	5.13E-02	7.72E-03	1.59E-03	6.92E-02	8.48E-03	2.22E-06	8.46E-05	4.64E-05	8.61E-03	1.03E-02	5.13E-02	7.72E-03	1.59E-03	7.09E-02
1614	494911.06	3858751.99	0.05147	0.06475	0.039	0.02128	8.42E-03	5.02E-02	7.57E-03	1.57E-03	6.78E-02	8.29E-03	2.18E-06	8.30E-05	4.58E-05	8.42E-03	1.01E-02	5.02E-02	7.57E-03	1.57E-03	6.94E-02
1615	494961.06	3858751.99	0.05068	0.06368	0.0385	0.02104	8.29E-03	4.94E-02	7.46E-03	1.55E-03	6.67E-02	8.17E-03	2.14E-06	8.18E-05	4.53E-05	8.30E-03	9.92E-03	4.94E-02	7.46E-03	1.55E-03	6.83E-02
1616	495011.06	3858751.99	0.05016	0.06288	0.0381	0.02086	8.20E-03	4.88E-02	7.38E-03	1.54E-03	6.59E-02	8.08E-03	2.11E-06	8.09E-05	4.49E-05	8.21E-03	9.82E-03	4.88E-02	7.38E-03	1.54E-03	6.75E-02
1617	495061.06	3858751.99	0.04933	0.0618	0.0374	0.02064	8.07E-03	4.79E-02	7.25E-03	1.52E-03	6.48E-02	7.95E-03	2.08E-06	7.95E-05	4.44E-05	8.07E-03	9.65E-03	4.79E-02	7.25E-03	1.52E-03	6.64E-02
1618	495111.06	3858751.99	0.04834	0.06055	0.0366	0.0204	7.91E-03	4.70E-02	7.10E-03	1.50E-03	6.35E-02	7.79E-03	2.03E-06	7.78E-05	4.39E-05	7.91E-03	9.46E-03	4.70E-02	7.10E-03	1.50E-03	6.50E-02
1619	495161.06	3858751.99	0.0478	0.05977	0.0361	0.02022	7.82E-03	4.64E-02	7.00E-03	1.49E-03	6.27E-02	7.70E-03	2.01E-06	7.68E-05	4.35E-05	7.82E-03	9.35E-03	4.64E-02	7.00E-03	1.49E-03	6.42E-02
1620	495211.06	3858751.99	0.04709	0.05884	0.0354	0.02003	7.70E-03	4.56E-02	6.86E-03	1.47E-03	6.17E-02	7.59E-03	1.98E-06	7.52E-05	4.31E-05	7.71E-03	9.21E-03	4.56E-02	6.86E-03	1.47E-03	6.32E-02
1621	495261.06	3858751.99	0.04693	0.05843	0.0352	0.01991	7.68E-03	4.53E-02	6.83E-03	1.47E-03	6.13E-02	7.56E-03	1.96E-06	7.48E-05	4.29E-05	7.68E-03	9.18E-03	4.53E-02	6.83E-03	1.47E-03	6.28E-02
1622	495311.06	3858751.99	0.04684	0.05809	0.035	0.0198	7.66E-03	4.51E-02	6.79E-03	1.46E-03	6.10E-02	7.55E-03	1.95E-06	7.45E-05	4.26E-05	7.67E-03	9.17E-03	4.51E-02	6.79E-03	1.46E-03	6.25E-02
1623	495361.06	3858751.99	0.04661	0.05762	0.0348	0.01968	7.62E-03	4.47E-02	6.75E-03	1.45E-03	6.05E-02	7.51E-03	1.94E-06	7.40E-05	4.24E-05	7.63E-03	9.12E-03	4.47E-02	6.75E-03	1.45E-03	6.20E-02
1624	495411.06	3858751.99	0.04668	0.05745	0.0347	0.0196	7.64E-03	4.46E-02	6.73E-03	1.44E-03	6.04E-02	7.52E-03	1.93E-06	7.38E-05	4.22E-05	7.64E-03	9.13E-03	4.46E-02	6.73E-03	1.44E-03	6.19E-02
1625	495461.06	3858751.99	0.04651	0.05705	0.0345	0.01948	7.61E-03	4.43E-02	6.70E-03	1.43E-03	6.00E-02	7.49E-03	1.92E-06	7.34E-05	4.19E-05	7.61E-03	9.10E-03	4.43E-02	6.70E-03	1.43E-03	6.15E-02
1626	495511.06	3858751.99	0.0462	0.05652	0.0343	0.01935	7.56E-03	4.38E-02	6.65E-03	1.42E-03	5.95E-02	7.44E-03	1.90E-06	7.29E-05	4.17E-05	7.56E-03	9.04E-03	4.38E-02	6.65E-03	1.42E-03	6.10E-02
1627	495561.06	3858751.99	0.04583	0.05595	0.034	0.01921	7.50E-03	4.34E-02	6.59E-03	1.41E-03	5.89E-02	7.38E-03	1.88E-06	7.22E-05	4.14E-05	7.50E-03	8.97E-03	4.34E-02	6.59E-03	1.41E-03	6.04E-02
1628	495611.06	3858751.99	0.04546	0.05536	0.0337	0.01907	7.44E-03	4.29E-02	6.53E-03	1.40E-03	5.83E-02	7.33E-03	1.86E-06	7.16E-05	4.11E-05	7.44E-03	8.90E-03	4.29E-02	6.53E-03	1.40E-03	5.98E-02
1629	495661.06	3858751.99	0.04518	0.05487	0.0335	0.01894	7.39E-03	4.26E-02	6.49E-03	1.39E-03	5.78E-02	7.28E-03	1.84E-06	7.11E-05	4.08E-05	7.39E-03	8.84E-03	4.26E-02	6.49E-03	1.39E-03	5.93E-02
1630	494311.06	3858801.99	0.05371	0.07219	0.042	0.02316	8.78E-03	5.60E-02	8.13E-03	1.71E-03	7.46E-02	8.65E-03	2.42E-06	8.92E-05	4.99E-05	8.80E-03	1.05E-02	5.60E-02	8.13E-03	1.71E-03	7.64E-02
1631	494361.06	3858801.99	0.05752	0.07592	0.0452	0.02372	9.41E-03	5.89E-02	8.77E-03	1.75E-03	7.88E-02	9.27E-03	2.55E-06	9.61E-05	5.11E-05	9.42E-03	1.13E-02	5.89E-02	8.77E-03	1.75E-03	8.07E-02
1632	494411.06	3858801.99	0.05844	0.0766	0.0459	0.0238	9.56E-03	5.94E-02	8.90E-03	1.75E-03	7.96E-02	9.42E-03	2.57E-06	9.76E-05	5.12E-05	9.57E-03	1.14E-02	5.94E-02	8.90E-03	1.75E-03	8.15E-02
1633	494461.06	3858801.99	0.0589	0.0768	0.0458	0.02371	9.63E-03	5.96E-02	8.88E-03	1.75E-03	7.98E-02	9.49E-03	2.58E-06	9.74E-05	5.10E-05	9.64E-03	1.15E-02	5.96E-02	8.88E-03	1.75E-03	8.17E-02
1634	494511.06	3858801.99	0.05898	0.07684	0.0447	0.02346	9.65E-03	5.96E-02	8.66E-03	1.73E-03	7.96E-02	9.50E-03	2.58E-06	9.50E-05	5.05E-05	9.65E-03	1.15E-02	5.96E-02	8.66E-03	1.73E-03	8.15E-02
1635	494561.06	3858801.99	0.05878	0.07626	0.0444	0.0233	9.61E-03	5.92E-02	8.61E-03	1.72E-03	7.91E-02	9.47E-03	2.56E-06	9.44E-05	5.02E-05	9.62E-03	1.15E-02	5.92E-02	8.61E-03	1.72E-03	8.10E-02
1636	494611.06	3858801.99	0.0583	0.07535	0.044	0.0231	9.54E-03	5.84E-02	8.52E-03	1.70E-03	7.82E-02	9.39E-03	2.53E-06	9.34E-05	4.97E-05	9.54E-03	1.14E-02	5.85E-02	8.52E-03	1.70E-03	8.01E-02
1637	494661.06	3858801.99	0.05741	0.07397	0.0432	0.02283	9.39E-03	5.74E-02	8.38E-03	1.68E-03	7.68E-02	9.25E-03	2.48E-06	9.19E-05	4.91E-05	9.39E-03	1.12E-02	5.74E-02	8.38E-03	1.68E-03	7.87E-02
1638	494711.06	3858801.99	0.05632	0.07241	0.0423	0.02252	9.21E-03	5.62E-02	8.21E-03	1.66E-03	7.52E-02	9.07E-03	2.43E-06	9.00E-05	4.85E-05	9.22E-03	1.10E-02	5.62E-02	8.21E-03	1.66E-03	7.71E-02
1639	494761.06	3858801.99	0.05502	0.07066	0.0413	0.0222	9.00E-03	5.48E-02	8.01E-03	1.63E-03	7.35E-02	8.87E-03	2.37E-06	8.79E-05	4.78E-05	9.00E-03	1.08E-02	5.48E-02	8.01E-03	1.63E-03	7.52E-02
1640	494811.06	3858801.99	0.05367	0.06888	0.0403	0.02188	8.78E-03	5.34E-02	7.81E-03	1.61E-03	7.16E-02	8.65E-03	2.31E-06	8.57E-05	4.71E-05	8.78E-03	1.05E-02	5.34E-02	7.81E-03	1.61E-03	7.34E-02
1641	494861.06	3858801.99	0.053	0.06786	0.0397	0.02167	8.67E-03	5.26E-02	7.71E-03	1.60E-03	7.06E-02	8.54E-03	2.28E-06	8.45E-05	4.67E-05	8.67E-03	1.04E-02	5.26E-02	7.71E-03	1.60E-03	7.23E-02
1642	494911.06	3858801.99	0.05192	0.06643	0.039	0.02138	8.49E-03	5.15E-02	7.55E-03	1.57E-03	6.91E-02	8.37E-03	2.23E-06	8.28E-05	4.60E-05	8.50E-03	1.02E-02	5.15E-02	7.55E-03	1.57E-03	7.08E-02
1643	494961.06	3858801.99	0.05115	0.06531	0.0384	0.02116	8.37E-03	5.07E-02	7.44E-03	1.56E-03	6.80E-02	8.24E-03	2.19E-06	8.16E-05	4.56E-05	8.37E-03	1.00E-02	5.07E-02	7.44E-03	1.56E-03	6.97E-02

1644	495011.06	3858801.99	0.05033	0.06417	0.0378	0.02092	8.23E-03	4.98E-02	7.33E-03	1.54E-03	6.69E-02	8.11E-03	2.16E-06	8.03E-05	4.50E-05	8.24E-03	9.85E-03	4.98E-02	7.33E-03	1.54E-03	6.85E-02
1645	495061.06	3858801.99	0.04983	0.06338	0.0374	0.02074	8.15E-03	4.92E-02	7.25E-03	1.53E-03	6.61E-02	8.03E-03	2.13E-06	7.95E-05	4.46E-05	8.16E-03	9.75E-03	4.92E-02	7.25E-03	1.53E-03	6.77E-02
1646	495111.06	3858801.99	0.04873	0.062	0.0366	0.02046	7.97E-03	4.81E-02	7.10E-03	1.51E-03	6.47E-02	7.85E-03	2.08E-06	7.79E-05	4.40E-05	7.98E-03	9.54E-03	4.81E-02	7.10E-03	1.51E-03	6.62E-02
1647	495161.06	3858801.99	0.04796	0.06095	0.036	0.02024	7.84E-03	4.73E-02	6.98E-03	1.49E-03	6.36E-02	7.73E-03	2.05E-06	7.65E-05	4.36E-05	7.85E-03	9.38E-03	4.73E-02	6.98E-03	1.49E-03	6.51E-02
1648	495211.06	3858801.99	0.04758	0.06031	0.0357	0.02008	7.78E-03	4.68E-02	6.91E-03	1.48E-03	6.30E-02	7.67E-03	2.03E-06	7.58E-05	4.32E-05	7.79E-03	9.31E-03	4.68E-02	6.91E-03	1.48E-03	6.45E-02
1649	495261.06	3858801.99	0.04745	0.05989	0.0355	0.01996	7.76E-03	4.65E-02	6.88E-03	1.47E-03	6.26E-02	7.65E-03	2.01E-06	7.54E-05	4.30E-05	7.77E-03	9.29E-03	4.65E-02	6.88E-03	1.47E-03	6.41E-02
1650	495311.06	3858801.99	0.04741	0.0596	0.0354	0.01986	7.75E-03	4.62E-02	6.85E-03	1.46E-03	6.23E-02	7.64E-03	2.00E-06	7.52E-05	4.28E-05	7.76E-03	9.28E-03	4.62E-02	6.85E-03	1.46E-03	6.38E-02
1651	495361.06	3858801.99	0.04722	0.05914	0.0351	0.01974	7.72E-03	4.59E-02	6.81E-03	1.45E-03	6.19E-02	7.61E-03	1.99E-06	7.47E-05	4.25E-05	7.73E-03	9.24E-03	4.59E-02	6.81E-03	1.45E-03	6.34E-02
1652	495411.06	3858801.99	0.04743	0.0591	0.0352	0.01968	7.76E-03	4.58E-02	6.82E-03	1.45E-03	6.19E-02	7.64E-03	1.99E-06	7.48E-05	4.24E-05	7.76E-03	9.28E-03	4.58E-02	6.82E-03	1.45E-03	6.34E-02
1653	495461.06	3858801.99	0.0472	0.05863	0.0349	0.01955	7.72E-03	4.55E-02	6.77E-03	1.44E-03	6.14E-02	7.61E-03	1.97E-06	7.42E-05	4.21E-05	7.72E-03	9.24E-03	4.55E-02	6.77E-03	1.44E-03	6.29E-02
1654	495511.06	3858801.99	0.04682	0.05799	0.0346	0.0194	7.66E-03	4.50E-02	6.71E-03	1.43E-03	6.08E-02	7.54E-03	1.95E-06	7.36E-05	4.18E-05	7.66E-03	9.16E-03	4.50E-02	6.71E-03	1.43E-03	6.23E-02
1655	495561.06	3858801.99	0.04652	0.05747	0.0344	0.01926	7.61E-03	4.46E-02	6.67E-03	1.42E-03	6.03E-02	7.50E-03	1.93E-06	7.31E-05	4.15E-05	7.61E-03	9.10E-03	4.46E-02	6.67E-03	1.42E-03	6.18E-02
1656	495611.06	3858801.99	0.04603	0.05676	0.0339	0.01911	7.53E-03	4.40E-02	6.58E-03	1.41E-03	5.95E-02	7.42E-03	1.91E-06	7.21E-05	4.11E-05	7.53E-03	9.01E-03	4.40E-02	6.58E-03	1.41E-03	6.10E-02
1657	495661.06	3858801.99	0.04584	0.05634	0.0337	0.01899	7.50E-03	4.37E-02	6.53E-03	1.40E-03	5.91E-02	7.39E-03	1.89E-06	7.17E-05	4.09E-05	7.50E-03	8.97E-03	4.37E-02	6.53E-03	1.40E-03	6.06E-02
1658	494311.06	3858851.99	0.05736	0.07774	0.0444	0.02395	9.38E-03	6.03E-02	8.61E-03	1.76E-03	8.01E-02	9.24E-03	2.61E-06	9.44E-05	5.16E-05	9.39E-03	1.12E-02	6.03E-02	8.61E-03	1.76E-03	8.19E-02
1659	494361.06	3858851.99	0.05944	0.0799	0.0463	0.02426	9.72E-03	6.20E-02	8.98E-03	1.79E-03	8.25E-02	9.58E-03	2.68E-06	9.84E-05	5.22E-05	9.73E-03	1.16E-02	6.20E-02	8.98E-03	1.79E-03	8.44E-02
1660	494411.06	3858851.99	0.05933	0.0794	0.0461	0.02411	9.70E-03	6.16E-02	8.94E-03	1.78E-03	8.20E-02	9.56E-03	2.67E-06	9.81E-05	5.19E-05	9.71E-03	1.16E-02	6.16E-02	8.94E-03	1.78E-03	8.39E-02
1661	494461.06	3858851.99	0.0595	0.07925	0.0458	0.02396	9.73E-03	6.15E-02	8.88E-03	1.76E-03	8.19E-02	9.59E-03	2.66E-06	9.74E-05	5.16E-05	9.74E-03	1.16E-02	6.15E-02	8.88E-03	1.76E-03	8.38E-02
1662	494511.06	3858851.99	0.05932	0.07898	0.0444	0.02362	9.70E-03	6.13E-02	8.60E-03	1.74E-03	8.13E-02	9.56E-03	2.65E-06	9.43E-05	5.08E-05	9.71E-03	1.16E-02	6.13E-02	8.60E-03	1.74E-03	8.32E-02
1663	494561.06	3858851.99	0.05902	0.07825	0.0441	0.02344	9.65E-03	6.07E-02	8.54E-03	1.73E-03	8.06E-02	9.51E-03	2.63E-06	9.37E-05	5.05E-05	9.66E-03	1.15E-02	6.07E-02	8.54E-03	1.73E-03	8.25E-02
1664	494611.06	3858851.99	0.05839	0.07711	0.0436	0.02321	9.55E-03	5.98E-02	8.44E-03	1.71E-03	7.95E-02	9.41E-03	2.59E-06	9.26E-05	5.00E-05	9.55E-03	1.14E-02	5.98E-02	8.44E-03	1.71E-03	8.14E-02
1665	494661.06	3858851.99	0.05757	0.07576	0.0429	0.02295	9.42E-03	5.88E-02	8.32E-03	1.69E-03	7.82E-02	9.28E-03	2.54E-06	9.12E-05	4.94E-05	9.42E-03	1.13E-02	5.88E-02	8.32E-03	1.69E-03	8.00E-02
1666	494711.06	3858851.99	0.0563	0.07388	0.0419	0.02261	9.21E-03	5.73E-02	8.13E-03	1.66E-03	7.63E-02	9.07E-03	2.48E-06	8.92E-05	4.87E-05	9.21E-03	1.10E-02	5.73E-02	8.13E-03	1.66E-03	7.81E-02
1667	494761.06	3858851.99	0.05507	0.07213	0.041	0.02226	9.01E-03	5.60E-02	7.95E-03	1.64E-03	7.45E-02	8.87E-03	2.42E-06	8.72E-05	4.79E-05	9.01E-03	1.08E-02	5.60E-02	7.95E-03	1.64E-03	7.63E-02
1668	494811.06	3858851.99	0.05407	0.07066	0.0402	0.02198	8.84E-03	5.48E-02	7.80E-03	1.62E-03	7.31E-02	8.71E-03	2.37E-06	8.55E-05	4.73E-05	8.85E-03	1.06E-02	5.48E-02	7.80E-03	1.62E-03	7.48E-02
1669	494861.06	3858851.99	0.05344	0.06964	0.0397	0.02176	8.74E-03	5.40E-02	7.70E-03	1.60E-03	7.21E-02	8.61E-03	2.34E-06	8.44E-05	4.68E-05	8.74E-03	1.05E-02	5.40E-02	7.70E-03	1.60E-03	7.38E-02
1670	494911.06	3858851.99	0.0525	0.06828	0.039	0.02151	8.59E-03	5.30E-02	7.56E-03	1.58E-03	7.07E-02	8.46E-03	2.29E-06	8.29E-05	4.63E-05	8.59E-03	1.03E-02	5.30E-02	7.56E-03	1.58E-03	7.24E-02
1671	494961.06	3858851.99	0.0517	0.06709	0.0384	0.02127	8.46E-03	5.20E-02	7.44E-03	1.57E-03	6.95E-02	8.33E-03	2.25E-06	8.16E-05	4.58E-05	8.46E-03	1.01E-02	5.20E-02	7.44E-03	1.57E-03	7.12E-02
1672	495011.06	3858851.99	0.05106	0.06611	0.0379	0.02105	8.35E-03	5.13E-02	7.34E-03	1.55E-03	6.85E-02	8.23E-03	2.22E-06	8.05E-05	4.53E-05	8.36E-03	9.99E-03	5.13E-02	7.34E-03	1.55E-03	7.02E-02
1673	495061.06	3858851.99	0.05028	0.06498	0.0373	0.02082	8.22E-03	5.04E-02	7.23E-03	1.53E-03	6.74E-02	8.10E-03	2.18E-06	7.93E-05	4.48E-05	8.23E-03	9.84E-03	5.04E-02	7.23E-03	1.53E-03	6.90E-02
1674	495111.06	3858851.99	0.04878	0.06311	0.0363	0.02047	7.98E-03	4.90E-02	7.04E-03	1.51E-03	6.55E-02	7.86E-03	2.12E-06	7.72E-05	4.41E-05	7.98E-03	9.55E-03	4.90E-02	7.04E-03	1.51E-03	6.71E-02
1675	495161.06	3858851.99	0.04804	0.06205	0.0358	0.02025	7.86E-03	4.81E-02	6.95E-03	1.49E-03	6.44E-02	7.74E-03	2.08E-06	7.62E-05	4.36E-05	7.86E-03	9.40E-03	4.81E-02	6.95E-03	1.49E-03	6.60E-02
1676	495211.06	3858851.99	0.04816	0.06189	0.0358	0.02017	7.88E-03	4.80E-02	6.94E-03	1.48E-03	6.43E-02	7.76E-03	2.08E-06	7.61E-05	4.34E-05	7.88E-03	9.42E-03	4.80E-02	6.94E-03	1.48E-03	6.59E-02
1677	495261.06	3858851.99	0.04802	0.06146	0.0356	0.02004	7.85E-03	4.77E-02	6.91E-03	1.48E-03	6.39E-02	7.74E-03	2.06E-06	7.58E-05	4.31E-05	7.86E-03	9.40E-03	4.77E-02	6.91E-03	1.48E-03	6.55E-02
1678	495311.06	3858851.99	0.04805	0.06121	0.0356	0.01995	7.86E-03	4.75E-02	6.89E-03	1.47E-03	6.37E-02	7.74E-03	2.06E-06	7.56E-05	4.29E-05	7.86E-03	9.40E-03	4.75E-02	6.89E-03	1.47E-03	6.52E-02
1679	495361.06	3858851.99	0.04795	0.06084	0.0354	0.01984	7.84E-03	4.72E-02	6.86E-03	1.46E-03	6.34E-02	7.73E-03	2.04E-06	7.53E-05	4.27E-05	7.85E-03	9.38E-03	4.72E-02	6.86E-03	1.46E-03	6.49E-02
1680	495411.06	3858851.99	0.04786	0.06047	0.0353	0.01973	7.83E-03	4.69E-02	6.84E-03	1.45E-03	6.30E-02	7.71E-03	2.03E-06	7.50E-05	4.25E-05	7.83E-03	9.37E-03	4.69E-02	6.84E-03	1.45E-03	6.46E-02
1681	495461.06	3858851.99	0.04781	0.06015	0.0351	0.01962	7.82E-03	4.67E-02	6.81E-03	1.44E-03	6.27E-02	7.70E-03	2.02E-06	7.47E-05	4.22E-05	7.82E-03	9.36E-03	4.67E-02	6.81E-03	1.44E-03	6.43E-02
1682	495511.06	3858851.99	0.04767	0.05959	0.0352	0.01955	7.80E-03	4.62E-02	6.82E-03	1.44E-03	6.23E-02	7.68E-03	2.00E-06	7.48E-05	4.21E-05	7.80E-03	9.33E-03	4.62E-02	6.82E-03	1.44E-03	6.38E-02
1683	495561.06	3858851.99	0.0469	0.05874	0.0344	0.01929	7.67E-03	4.56E-02	6.67E-03	1.42E-03	6.13E-02	7.56E-03	1.97E-06	7.32E-05	4.15E-05	7.67E-03	9.18E-03	4.56E-02	6.67E-03	1.42E-03	6.28E-02
1684	495611.06	3858851.99	0.04637	0.05796	0.034	0.01912	7.58E-03	4.50E-02	6.59E-03	1.41E-03	6.05E-02	7.47E-03	1.95E-06	7.23E-05	4.12E-05	7.59E-03	9.07E-03	4.50E-02	6.59E-03	1.41E-03	6.20E-02
1685	495661.06	3858851.99	0.04631	0.05766	0.0339	0.01902	7.57E-03	4.47E-02	6.57E-03	1.40E-03	6.03E-02	7.46E-03	1.94E-06	7.20E-05	4.09E-05	7.58E-03	9.06E-03	4.47E-02	6.57E-03	1.40E-03	6.18E-02
1686	494311.06	3858901.99	0.0585	0.08083	0.0445	0.02429	9.57E-03	6.27E-02	8.63E-03	1.79E-03	8.27E-02	9.43E-03	2.72E-06	9.46E-05	5.23E-05	9.58E-03	1.14E-02	6.27E-02	8.63E-03	1.79E-03	8.46E-02
1687	494361.06	3858901.99	0.05996	0.08244	0.0456	0.02449	9.81E-03	6.39E-02	8.84E-03	1.80E-03	8.44E-02	9.66E-03	2.77E-06	9.69E-05	5.27E-05	9.81E-03	1.17E-02	6.40E-02	8.84E-03	1.80E-03	8.63E-02
1688	494411.06	3858901.99	0.0601	0.08227	0.0456	0.02439	9.83E-03	6.38E-02	8.84E-03	1.80E-03	8.43E-02	9.68E-03	2.76E-06	9.70E-05	5.25E-05	9.84E-03	1.18E-02	6.38E-02	8.84E-03	1.80E-03	8.62E-02
1689	494461.06	3858901.99	0.06011	0.08226	0.0441	0.02401	9.83E-03	6.38E-02	8.56E-03	1.77E-03	8.40E-02	9.69E-03	2.76E-06	9.38E-05	5.17E-05	9.83E-03	1.18E-02	6.38E-02	8.56E-03	1.77E-03	8.59E-02
1690	494511.06	3858901.99	0.06007	0.08185	0.0441	0.02387	9.83E-03	6.35E-02	8.54E-03	1.76E-03	8.36E-02	9.68E-03	2.75E-06	9.37E-05	5.14E-05	9.83E-03	1.18E-02	6.35E-02	8.54E-03	1.76E-03	8.55E-02
1691	494561.06	3858901.99	0.05945	0.0806	0.0436	0.02362	9.72E-03	6.25E-02	8.46E-03	1.74E-03	8.24E-02	9.58E-03	2.71E-06	9.27E-05	5.08E-05	9.73E-03	1.16E-02	6.25E-02	8.46E-03	1.74E-03	8.44E-02
1692	494611.06	3858901.99	0.05827	0.07865	0.0428	0.02327	9.53E-03	6.10E-02	8.30E-03	1.71E-03	8.06E-02	9.39E-03	2.64E-06	9.10E-05	5.01E-05	9.53E-03	1.14E-02	6.10E-02	8.30E-03	1.71E-03	8.24E-02
1693	494661.06	3858901.99	0.05766	0.07751	0.0424	0.02304	9.43E-03	6.01E-02	8.21E-03	1.70E-03	7.95E-02	9.29E-03	2.60E-06	9.01E-05	4.96E-05	9.43E-03	1.13E-02	6.01E-02	8.21E-03	1.70E-03	8.13E-02
1694	494711.06	3858901.99	0.05655	0.07575	0.0416	0.02272	9.25E-03	5.88E-02	8.06E-03	1.67E-03	7.77E-02	9.11E-03	2.54E-06	8.84E-05	4.89E-05	9.25E-03	1.11E-02	5.88E-02	8.06E-03	1.67E-03	7.96E-02
1695	494761.06	3858901.99	0.0552	0.07373	0.0406	0.02236	9.03E-03	5.72E-02	7.87E-03	1.65E-03	7.57E-02	8.89E-03	2.48E-06	8.63E-05	4.81E-05	9.03E-03	1.08E-02	5.72E-02	7.87E-03	1.65E-03	7.75E-02
1696	494811.06	3858901.99	0.05445	0.07249	0.04	0.0221	8.91E-03	5.62E-02	7.76E-03	1.63E-03	7.45E-02	8.77E-03	2.44E-06	8.51E-05	4.76E-05	8.91E-03	1.07E-02	5.62E-02	7.76E-03	1.63E-03	7.63E-02
1697	494861.06	3858901.99	0.0539	0.0715	0.0396	0.02188	8.82E-03	5.55E-02	7.67E-03	1.61E-03	7.36E-02	8.69E-03	2.40E-06	8.42E-05	4.71E-05	8.82E-03	1.05E-02	5.55E-02	7.67E-03	1.61E-03	7.53E-02
1698	494911.06	3858901.99	0.05256	0.06963	0.0386	0.02154	8.60E-03	5.40E-02	7.49E-03	1.59E-03	7.17E-02	8.47E-03	2.34E-06	8.21E-05	4.64E-05	8.60E-03	1.03E-02	5.40E-02	7.49E-03	1.59E-03	7.34E-02
1699	494961.06	3858901.99	0.05187	0.06853	0.0381	0.02131	8.48E-03	5.32E-02	7.38E-03	1.57E-03	7.06E-02	8.36E-03	2.30E-06	8.10E-05	4.59E-05	8.49E-03	1.01E-02	5.32E-02	7.38E-03	1.57E-03	7.23E-02
1700	495011.06	3858901.99	0.0512	0.06745	0.0376	0.02109	8.37E-03	5.23E-02	7.28E-03	1.55E-03	6.95E-02	8.25E-03	2.27E-06	7.99E-05	4.54E-05	8.38E-03	1.00E-02	5.23E-02	7.28E-03	1.55E-03	7.12E-02
1701	495061.06	3858901.99	0.05018	0.06601	0.0368	0.0208	8.21E-03	5.12E-02	7.14E-03	1.53E-03	6.81E-02	8.09E-03	2.22E-06	7.83E-05	4.48E-05	8.21E-03	9.82E-03	5.12E-02	7.14E-03	1.53E-03	6.97E-02
1702	495111.06	3858901.99	0.04868	0.06407	0.0358	0.02046	7.96E-03	4.97E-02	6.95E-03	1.51E-03	6.61E-02	7.84E-03	2.15E-06	7.62E-05	4.40E-05	7.97E-03	9.53E-03	4.97E-02	6.95E-03	1.51E-03	6.77E-02
1703	495161.06	3858901.99	0.0483	0.06336	0.0355	0.02029	7.90E-03	4.91E-02	6.89E-03	1.49E-03	6.54E-02	7.78E-03	2.13E-06	7.56E-05	4.37E-05	7.90E-03	9.45E-03	4.92E-02	6.89E-03	1.49E-03	6.70E-02
1704	495211.06	3858901.99	0.04868	0.06346	0.0357	0.02025	7.96E-03	4.92E-02	6.92E-03	1.49E-03	6.56E-02	7.84E-03	2.13E-06	7.59E-05	4.36E-05	7.97E-03	9.53E-03	4.92E-02	6.92E-03	1.49E-03	6.72E-02

1705	495261.06	3858901.99	0.04866	0.06314	0.0356	0.02014	7.96E-03	4.90E-02	6.90E-03	1.48E-03	6.53E-02	7.84E-03	2.12E-06	7.57E-05	4.34E-05	7.96E-03	9.52E-03	4.90E-02	6.90E-03	1.48E-03	6.69E-02
1706	495311.06	3858901.99	0.04851	0.06268	0.0354	0.02001	7.93E-03	4.86E-02	6.87E-03	1.47E-03	6.49E-02	7.82E-03	2.11E-06	7.53E-05	4.31E-05	7.94E-03	9.49E-03	4.86E-02	6.87E-03	1.47E-03	6.65E-02
1707	495361.06	3858901.99	0.04839	0.06228	0.0353	0.01989	7.91E-03	4.83E-02	6.84E-03	1.46E-03	6.45E-02	7.80E-03	2.09E-06	7.50E-05	4.28E-05	7.92E-03	9.47E-03	4.83E-02	6.84E-03	1.46E-03	6.61E-02
1708	495411.06	3858901.99	0.04849	0.0621	0.0353	0.01982	7.93E-03	4.82E-02	6.84E-03	1.46E-03	6.44E-02	7.81E-03	2.09E-06	7.50E-05	4.27E-05	7.93E-03	9.49E-03	4.82E-02	6.84E-03	1.46E-03	6.60E-02
1709	495461.06	3858901.99	0.04824	0.06156	0.035	0.01968	7.89E-03	4.78E-02	6.79E-03	1.45E-03	6.39E-02	7.77E-03	2.07E-06	7.45E-05	4.24E-05	7.89E-03	9.44E-03	4.78E-02	6.79E-03	1.45E-03	6.54E-02
1710	495511.06	3858901.99	0.04779	0.06082	0.0347	0.0195	7.82E-03	4.72E-02	6.73E-03	1.44E-03	6.32E-02	7.70E-03	2.04E-06	7.38E-05	4.20E-05	7.82E-03	9.35E-03	4.72E-02	6.73E-03	1.44E-03	6.47E-02
1711	495561.06	3858901.99	0.04744	0.0602	0.0344	0.01936	7.76E-03	4.67E-02	6.67E-03	1.43E-03	6.26E-02	7.64E-03	2.02E-06	7.32E-05	4.17E-05	7.76E-03	9.28E-03	4.67E-02	6.67E-03	1.43E-03	6.41E-02
1712	495611.06	3858901.99	0.04692	0.0594	0.0341	0.01918	7.67E-03	4.61E-02	6.60E-03	1.41E-03	6.18E-02	7.56E-03	2.00E-06	7.24E-05	4.13E-05	7.68E-03	9.18E-03	4.61E-02	6.60E-03	1.41E-03	6.33E-02
1713	495661.06	3858901.99	0.04692	0.05915	0.034	0.01909	7.67E-03	4.59E-02	6.59E-03	1.41E-03	6.16E-02	7.56E-03	1.99E-06	7.22E-05	4.11E-05	7.68E-03	9.18E-03	4.59E-02	6.59E-03	1.41E-03	6.31E-02
1714	494311.06	3858951.99	0.06033	0.0852	0.0447	0.02485	9.87E-03	6.61E-02	8.67E-03	1.83E-03	8.65E-02	9.72E-03	2.86E-06	9.51E-05	5.35E-05	9.87E-03	1.18E-02	6.61E-02	8.67E-03	1.83E-03	8.84E-02
1715	494361.06	3858951.99	0.06083	0.08563	0.0451	0.02486	9.95E-03	6.64E-02	8.74E-03	1.83E-03	8.69E-02	9.80E-03	2.88E-06	9.58E-05	5.35E-05	9.95E-03	1.19E-02	6.64E-02	8.74E-03	1.83E-03	8.89E-02
1716	494411.06	3858951.99	0.06042	0.08466	0.0447	0.02461	9.88E-03	6.57E-02	8.67E-03	1.81E-03	8.60E-02	9.74E-03	2.84E-06	9.50E-05	5.30E-05	9.89E-03	1.18E-02	6.57E-02	8.67E-03	1.81E-03	8.80E-02
1717	494461.06	3858951.99	0.06046	0.08472	0.0433	0.02419	9.89E-03	6.57E-02	8.39E-03	1.78E-03	8.58E-02	9.74E-03	2.85E-06	9.20E-05	5.21E-05	9.89E-03	1.18E-02	6.57E-02	8.39E-03	1.78E-03	8.77E-02
1718	494511.06	3858951.99	0.06016	0.08393	0.0431	0.024	9.84E-03	6.51E-02	8.36E-03	1.77E-03	8.51E-02	9.69E-03	2.82E-06	9.16E-05	5.17E-05	9.84E-03	1.18E-02	6.51E-02	8.36E-03	1.77E-03	8.70E-02
1719	494561.06	3858951.99	0.05957	0.0827	0.0427	0.02375	9.74E-03	6.42E-02	8.29E-03	1.75E-03	8.39E-02	9.60E-03	2.78E-06	9.09E-05	5.11E-05	9.74E-03	1.17E-02	6.42E-02	8.29E-03	1.75E-03	8.58E-02
1720	494611.06	3858951.99	0.05864	0.08096	0.0422	0.02343	9.59E-03	6.28E-02	8.18E-03	1.73E-03	8.23E-02	9.45E-03	2.72E-06	8.97E-05	5.04E-05	9.59E-03	1.15E-02	6.28E-02	8.18E-03	1.73E-03	8.42E-02
1721	494661.06	3858951.99	0.05777	0.07933	0.0416	0.02313	9.45E-03	6.15E-02	8.07E-03	1.70E-03	8.08E-02	9.31E-03	2.66E-06	8.85E-05	4.98E-05	9.45E-03	1.13E-02	6.15E-02	8.07E-03	1.70E-03	8.26E-02
1722	494711.06	3858951.99	0.05646	0.07721	0.0408	0.02275	9.23E-03	5.99E-02	7.91E-03	1.67E-03	7.87E-02	9.10E-03	2.59E-06	8.67E-05	4.90E-05	9.24E-03	1.10E-02	5.99E-02	7.91E-03	1.67E-03	8.05E-02
1723	494761.06	3858951.99	0.05552	0.07563	0.0402	0.02246	9.08E-03	5.87E-02	7.79E-03	1.65E-03	7.72E-02	8.95E-03	2.54E-06	8.54E-05	4.84E-05	9.08E-03	1.09E-02	5.87E-02	7.79E-03	1.65E-03	7.90E-02
1724	494811.06	3858951.99	0.0549	0.07448	0.0397	0.02222	8.98E-03	5.78E-02	7.70E-03	1.64E-03	7.61E-02	8.85E-03	2.50E-06	8.45E-05	4.78E-05	8.98E-03	1.07E-02	5.78E-02	7.70E-03	1.64E-03	7.79E-02
1725	494861.06	3858951.99	0.05427	0.07334	0.0393	0.02199	8.88E-03	5.69E-02	7.61E-03	1.62E-03	7.50E-02	8.74E-03	2.46E-06	8.35E-05	4.73E-05	8.88E-03	1.06E-02	5.69E-02	7.61E-03	1.62E-03	7.67E-02
1726	494911.06	3858951.99	0.05328	0.07178	0.0386	0.02168	8.71E-03	5.57E-02	7.48E-03	1.60E-03	7.35E-02	8.59E-03	2.41E-06	8.20E-05	4.67E-05	8.72E-03	1.04E-02	5.57E-02	7.48E-03	1.60E-03	7.52E-02
1727	494961.06	3858951.99	0.05283	0.0709	0.0382	0.02148	8.64E-03	5.50E-02	7.41E-03	1.58E-03	7.26E-02	8.51E-03	2.38E-06	8.12E-05	4.62E-05	8.64E-03	1.03E-02	5.50E-02	7.41E-03	1.58E-03	7.43E-02
1728	495011.06	3858951.99	0.05123	0.06869	0.0371	0.02109	8.38E-03	5.33E-02	7.19E-03	1.55E-03	7.04E-02	8.25E-03	2.31E-06	7.89E-05	4.54E-05	8.38E-03	1.00E-02	5.33E-02	7.19E-03	1.55E-03	7.21E-02
1729	495061.06	3858951.99	0.04971	0.06663	0.0361	0.02073	8.13E-03	5.17E-02	6.99E-03	1.53E-03	6.83E-02	8.01E-03	2.24E-06	7.67E-05	4.46E-05	8.13E-03	9.73E-03	5.17E-02	6.99E-03	1.53E-03	6.99E-02
1730	495111.06	3858951.99	0.04858	0.06506	0.0353	0.02043	7.95E-03	5.05E-02	6.84E-03	1.50E-03	6.68E-02	7.83E-03	2.19E-06	7.51E-05	4.40E-05	7.95E-03	9.51E-03	5.05E-02	6.84E-03	1.50E-03	6.83E-02
1731	495161.06	3858951.99	0.0492	0.06541	0.0356	0.02042	8.05E-03	5.07E-02	6.91E-03	1.50E-03	6.72E-02	7.93E-03	2.20E-06	7.58E-05	4.40E-05	8.05E-03	9.63E-03	5.07E-02	6.91E-03	1.50E-03	6.88E-02
1732	495211.06	3858951.99	0.04922	0.06512	0.0356	0.02032	8.05E-03	5.05E-02	6.90E-03	1.50E-03	6.70E-02	7.93E-03	2.19E-06	7.56E-05	4.37E-05	8.05E-03	9.63E-03	5.05E-02	6.90E-03	1.50E-03	6.85E-02
1733	495261.06	3858951.99	0.04921	0.0648	0.0355	0.02021	8.05E-03	5.03E-02	6.89E-03	1.49E-03	6.67E-02	7.93E-03	2.18E-06	7.55E-05	4.35E-05	8.05E-03	9.63E-03	5.03E-02	6.89E-03	1.49E-03	6.83E-02
1734	495311.06	3858951.99	0.0487	0.06394	0.0351	0.02002	7.97E-03	4.96E-02	6.81E-03	1.47E-03	6.59E-02	7.85E-03	2.15E-06	7.47E-05	4.31E-05	7.97E-03	9.53E-03	4.96E-02	6.81E-03	1.47E-03	6.74E-02
1735	495361.06	3858951.99	0.04876	0.0637	0.0351	0.01993	7.98E-03	4.94E-02	6.81E-03	1.47E-03	6.57E-02	7.86E-03	2.14E-06	7.47E-05	4.29E-05	7.98E-03	9.54E-03	4.94E-02	6.81E-03	1.47E-03	6.72E-02
1736	495411.06	3858951.99	0.04891	0.06358	0.0352	0.01985	8.00E-03	4.93E-02	6.82E-03	1.46E-03	6.56E-02	7.88E-03	2.14E-06	7.47E-05	4.27E-05	8.00E-03	9.57E-03	4.93E-02	6.82E-03	1.46E-03	6.72E-02
1737	495461.06	3858951.99	0.04874	0.0631	0.035	0.01972	7.97E-03	4.89E-02	6.78E-03	1.45E-03	6.52E-02	7.85E-03	2.12E-06	7.44E-05	4.25E-05	7.97E-03	9.54E-03	4.89E-02	6.78E-03	1.45E-03	6.67E-02
1738	495511.06	3858951.99	0.04875	0.06284	0.0349	0.01964	7.97E-03	4.87E-02	6.77E-03	1.45E-03	6.49E-02	7.86E-03	2.11E-06	7.43E-05	4.23E-05	7.97E-03	9.54E-03	4.87E-02	6.77E-03	1.45E-03	6.65E-02
1739	495561.06	3858951.99	0.04795	0.06169	0.0344	0.0194	7.84E-03	4.79E-02	6.66E-03	1.43E-03	6.38E-02	7.73E-03	2.07E-06	7.31E-05	4.18E-05	7.84E-03	9.38E-03	4.79E-02	6.66E-03	1.43E-03	6.53E-02
1740	495611.06	3858951.99	0.04751	0.06095	0.0341	0.01923	7.77E-03	4.73E-02	6.60E-03	1.42E-03	6.31E-02	7.66E-03	2.05E-06	7.24E-05	4.14E-05	7.77E-03	9.30E-03	4.73E-02	6.60E-03	1.42E-03	6.46E-02
1741	495661.06	3858951.99	0.04754	0.06072	0.034	0.01914	7.78E-03	4.71E-02	6.59E-03	1.41E-03	6.29E-02	7.66E-03	2.04E-06	7.23E-05	4.12E-05	7.78E-03	9.30E-03	4.71E-02	6.59E-03	1.41E-03	6.44E-02
1742	494311.06	3859001.99	0.06129	0.08872	0.044	0.02525	1.00E-02	6.88E-02	8.53E-03	1.86E-03	8.92E-02	9.88E-03	2.98E-06	9.36E-05	5.44E-05	1.00E-02	1.20E-02	6.88E-02	8.53E-03	1.86E-03	9.12E-02
1743	494361.06	3859001.99	0.06121	0.08828	0.0436	0.02502	1.00E-02	6.85E-02	8.46E-03	1.84E-03	8.88E-02	9.86E-03	2.97E-06	9.27E-05	5.39E-05	1.00E-02	1.20E-02	6.85E-02	8.46E-03	1.84E-03	9.08E-02
1744	494411.06	3859001.99	0.06097	0.0879	0.0423	0.02453	9.97E-03	6.82E-02	8.21E-03	1.81E-03	8.82E-02	9.82E-03	2.95E-06	9.00E-05	5.28E-05	9.97E-03	1.19E-02	6.82E-02	8.21E-03	1.81E-03	9.01E-02
1745	494461.06	3859001.99	0.0607	0.08713	0.0422	0.02434	9.93E-03	6.76E-02	8.18E-03	1.79E-03	8.75E-02	9.78E-03	2.93E-06	8.97E-05	5.24E-05	9.93E-03	1.19E-02	6.76E-02	8.18E-03	1.79E-03	8.94E-02
1746	494511.06	3859001.99	0.06042	0.08635	0.042	0.02415	9.88E-03	6.70E-02	8.15E-03	1.78E-03	8.68E-02	9.74E-03	2.90E-06	8.94E-05	5.20E-05	9.88E-03	1.18E-02	6.70E-02	8.15E-03	1.78E-03	8.87E-02
1747	494561.06	3859001.99	0.05956	0.08459	0.0416	0.02383	9.74E-03	6.56E-02	8.07E-03	1.75E-03	8.52E-02	9.60E-03	2.84E-06	8.85E-05	5.13E-05	9.74E-03	1.17E-02	6.56E-02	8.07E-03	1.75E-03	8.71E-02
1748	494611.06	3859001.99	0.05876	0.08298	0.0412	0.02353	9.61E-03	6.44E-02	7.99E-03	1.73E-03	8.37E-02	9.47E-03	2.79E-06	8.76E-05	5.07E-05	9.61E-03	1.15E-02	6.44E-02	7.99E-03	1.73E-03	8.56E-02
1749	494661.06	3859001.99	0.05775	0.08108	0.0407	0.02319	9.45E-03	6.29E-02	7.89E-03	1.71E-03	8.19E-02	9.31E-03	2.72E-06	8.65E-05	4.99E-05	9.44E-03	1.13E-02	6.29E-02	7.89E-03	1.71E-03	8.38E-02
1750	494711.06	3859001.99	0.05651	0.07887	0.04	0.02281	9.24E-03	6.12E-02	7.75E-03	1.68E-03	7.99E-02	9.11E-03	2.65E-06	8.50E-05	4.91E-05	9.24E-03	1.11E-02	6.12E-02	7.75E-03	1.68E-03	8.17E-02
1751	494761.06	3859001.99	0.05579	0.07751	0.0395	0.02254	9.13E-03	6.01E-02	7.66E-03	1.66E-03	7.86E-02	8.99E-03	2.60E-06	8.40E-05	4.85E-05	9.12E-03	1.09E-02	6.01E-02	7.66E-03	1.66E-03	8.04E-02
1752	494811.06	3859001.99	0.05539	0.07661	0.0393	0.02234	9.06E-03	5.94E-02	7.61E-03	1.64E-03	7.77E-02	8.93E-03	2.57E-06	8.35E-05	4.81E-05	9.06E-03	1.08E-02	5.94E-02	7.61E-03	1.64E-03	7.95E-02
1753	494861.06	3859001.99	0.05458	0.07518	0.0387	0.02206	8.93E-03	5.83E-02	7.51E-03	1.62E-03	7.64E-02	8.79E-03	2.53E-06	8.24E-05	4.75E-05	8.93E-03	1.07E-02	5.83E-02	7.51E-03	1.62E-03	7.81E-02
1754	494911.06	3859001.99	0.0537	0.07368	0.0382	0.02178	8.78E-03	5.72E-02	7.40E-03	1.60E-03	7.49E-02	8.65E-03	2.48E-06	8.12E-05	4.69E-05	8.78E-03	1.05E-02	5.72E-02	7.40E-03	1.60E-03	7.67E-02
1755	494961.06	3859001.99	0.0528	0.07218	0.0376	0.0215	8.64E-03	5.60E-02	7.29E-03	1.58E-03	7.35E-02	8.51E-03	2.42E-06	7.99E-05	4.63E-05	8.64E-03	1.03E-02	5.60E-02	7.29E-03	1.58E-03	7.52E-02
1756	495011.06	3859001.99	0.0502	0.0687	0.0359	0.02091	8.21E-03	5.33E-02	6.96E-03	1.54E-03	7.00E-02	8.09E-03	2.31E-06	7.63E-05	4.50E-05	8.21E-03	9.82E-03	5.33E-02	6.96E-03	1.54E-03	7.16E-02
1757	495061.06	3859001.99	0.04977	0.06785	0.0356	0.02072	8.14E-03	5.26E-02	6.90E-03	1.53E-03	6.92E-02	8.02E-03	2.28E-06	7.56E-05	4.46E-05	8.14E-03	9.74E-03	5.26E-02	6.90E-03	1.53E-03	7.08E-02
1758	495111.06	3859001.99	0.04872	0.0663	0.0349	0.02043	7.97E-03	5.14E-02	6.76E-03	1.50E-03	6.77E-02	7.85E-03	2.23E-06	7.41E-05	4.40E-05	7.97E-03	9.53E-03	5.14E-02	6.76E-03	1.50E-03	6.92E-02
1759	495161.06	3859001.99	0.04968	0.06708	0.0354	0.02048	8.13E-03	5.20E-02	6.87E-03	1.51E-03	6.85E-02	8.01E-03	2.25E-06	7.53E-05	4.41E-05	8.13E-03	9.72E-03	5.20E-02	6.87E-03	1.51E-03	7.01E-02
1760	495211.06	3859001.99	0.04953	0.06658	0.0353	0.02034	8.10E-03	5.16E-02	6.84E-03	1.50E-03	6.81E-02	7.98E-03	2.24E-06	7.50E-05	4.38E-05	8.10E-03	9.69E-03	5.16E-02	6.84E-03	1.50E-03	6.97E-02
1761	495261.06	3859001.99	0.04959	0.06633	0.0353	0.02025	8.11E-03	5.15E-02	6.84E-03	1.49E-03	6.79E-02	7.99E-03	2.23E-06	7.50E-05	4.36E-05	8.11E-03	9.70E-03	5.15E-02	6.84E-03	1.49E-03	6.95E-02
1762	495311.06	3859001.99	0.04937	0.06577	0.0351	0.0201	8.07E-03	5.10E-02	6.81E-03	1.48E-03	6.74E-02	7.96E-03	2.21E-06	7.47E-05	4.33E-05	8.08E-03	9.66E-03	5.10E-02	6.81E-03	1.48E-03	6.90E-02
1763	495361.06	3859001.99	0.04941	0.0655	0.0351	0.02001	8.08E-03	5.08E-02	6.80E-03	1.47E-03	6.72E-02	7.96E-03	2.20E-06	7.46E-05	4.31E-05	8.08E-03	9.67E-03	5.08E-02	6.80E-03	1.47E-03	6.88E-02
1764	495411.06	3859001.99	0.04931	0.06509	0.035	0.01989	8.07E-03	5.05E-02	6.78E-03	1.46E-03	6.68E-02	7.95E-03	2.19E-06	7.44E-05	4.28E-05	8.06E-03	9.65E-03	5.05E-02	6.78E-03	1.46E-03	6.84E-02
1765	495461.06	3859001.99	0.04927	0.06475	0.0349	0.01978	8.06E-03	5.02E-02	6.77E-03	1.46E-03	6.65E-02	7.94E-03	2.18E-06	7.42E-05	4.26E-05	8.06E-03	9.64E-03	5.02E-02	6.77E-03	1.46E-03	6.81E-02

1766	495511.06	3859001.99	0.04869	0.06379	0.0345	0.01958	7.96E-03	4.95E-02	6.69E-03	1.44E-03	6.56E-02	7.85E-03	2.14E-06	7.34E-05	4.22E-05	7.96E-03	9.53E-03	4.95E-02	6.69E-03	1.44E-03	6.71E-02
1767	495561.06	3859001.99	0.04838	0.06315	0.0343	0.01943	7.91E-03	4.90E-02	6.65E-03	1.43E-03	6.50E-02	7.80E-03	2.12E-06	7.29E-05	4.18E-05	7.91E-03	9.47E-03	4.90E-02	6.65E-03	1.43E-03	6.65E-02
1768	495611.06	3859001.99	0.04803	0.06248	0.034	0.01928	7.86E-03	4.85E-02	6.59E-03	1.42E-03	6.43E-02	7.74E-03	2.10E-06	7.23E-05	4.15E-05	7.86E-03	9.40E-03	4.85E-02	6.59E-03	1.42E-03	6.59E-02
1769	495661.06	3859001.99	0.04837	0.06259	0.0342	0.01924	7.91E-03	4.86E-02	6.63E-03	1.42E-03	6.45E-02	7.79E-03	2.10E-06	7.27E-05	4.14E-05	7.91E-03	9.47E-03	4.86E-02	6.63E-03	1.42E-03	6.61E-02
1770	494311.06	3859051.99	0.06179	0.0918	0.0425	0.02544	1.01E-02	7.12E-02	8.24E-03	1.87E-03	9.14E-02	9.96E-03	3.08E-06	9.04E-05	5.48E-05	1.01E-02	1.21E-02	7.12E-02	8.24E-03	1.87E-03	9.34E-02
1771	494361.06	3859051.99	0.06166	0.09164	0.0413	0.0249	1.01E-02	7.11E-02	8.00E-03	1.83E-03	9.10E-02	9.94E-03	3.08E-06	8.77E-05	5.36E-05	1.01E-02	1.21E-02	7.11E-02	8.00E-03	1.83E-03	9.30E-02
1772	494411.06	3859051.99	0.06125	0.09057	0.0411	0.02467	1.00E-02	7.03E-02	7.97E-03	1.82E-03	9.01E-02	9.87E-03	3.04E-06	8.74E-05	5.31E-05	1.00E-02	1.20E-02	7.03E-02	7.97E-03	1.82E-03	9.20E-02
1773	494461.06	3859051.99	0.06074	0.08932	0.0409	0.02442	9.93E-03	6.93E-02	7.93E-03	1.80E-03	8.90E-02	9.79E-03	3.00E-06	8.70E-05	5.26E-05	9.93E-03	1.19E-02	6.93E-02	7.93E-03	1.80E-03	9.09E-02
1774	494511.06	3859051.99	0.06007	0.08777	0.0406	0.02414	9.83E-03	6.81E-02	7.88E-03	1.78E-03	8.76E-02	9.68E-03	2.95E-06	8.64E-05	5.20E-05	9.82E-03	1.18E-02	6.81E-02	7.88E-03	1.78E-03	8.95E-02
1775	494561.06	3859051.99	0.05951	0.08646	0.0404	0.02388	9.73E-03	6.71E-02	7.83E-03	1.76E-03	8.64E-02	9.59E-03	2.90E-06	8.59E-05	5.14E-05	9.73E-03	1.16E-02	6.71E-02	7.83E-03	1.76E-03	8.83E-02
1776	494611.06	3859051.99	0.0587	0.08474	0.0401	0.02358	9.60E-03	6.57E-02	7.77E-03	1.74E-03	8.48E-02	9.46E-03	2.85E-06	8.52E-05	5.08E-05	9.60E-03	1.15E-02	6.57E-02	7.77E-03	1.74E-03	8.67E-02
1777	494661.06	3859051.99	0.05781	0.08294	0.0396	0.02325	9.46E-03	6.43E-02	7.69E-03	1.71E-03	8.32E-02	9.32E-03	2.79E-06	8.43E-05	5.01E-05	9.45E-03	1.13E-02	6.43E-02	7.69E-03	1.71E-03	8.51E-02
1778	494711.06	3859051.99	0.05698	0.08127	0.0392	0.02294	9.32E-03	6.30E-02	7.61E-03	1.69E-03	8.17E-02	9.18E-03	2.73E-06	8.34E-05	4.94E-05	9.32E-03	1.11E-02	6.30E-02	7.61E-03	1.69E-03	8.35E-02
1779	494761.06	3859051.99	0.05609	0.07957	0.0388	0.02263	9.17E-03	6.17E-02	7.52E-03	1.67E-03	8.01E-02	9.04E-03	2.67E-06	8.24E-05	4.87E-05	9.17E-03	1.10E-02	6.17E-02	7.52E-03	1.67E-03	8.19E-02
1780	494811.06	3859051.99	0.05548	0.07832	0.0384	0.02238	9.07E-03	6.08E-02	7.45E-03	1.65E-03	7.89E-02	8.94E-03	2.63E-06	8.17E-05	4.82E-05	9.07E-03	1.09E-02	6.08E-02	7.45E-03	1.65E-03	8.07E-02
1781	494861.06	3859051.99	0.05485	0.07702	0.0381	0.02213	8.97E-03	5.97E-02	7.38E-03	1.63E-03	7.77E-02	8.84E-03	2.59E-06	8.09E-05	4.76E-05	8.97E-03	1.07E-02	5.97E-02	7.38E-03	1.63E-03	7.95E-02
1782	494911.06	3859051.99	0.0538	0.07521	0.0375	0.0218	8.80E-03	5.83E-02	7.26E-03	1.61E-03	7.60E-02	8.67E-03	2.53E-06	7.96E-05	4.69E-05	8.80E-03	1.05E-02	5.83E-02	7.26E-03	1.61E-03	7.77E-02
1783	494961.06	3859051.99	0.05218	0.07269	0.0365	0.02137	8.53E-03	5.64E-02	7.07E-03	1.57E-03	7.36E-02	8.41E-03	2.44E-06	7.75E-05	4.60E-05	8.53E-03	1.02E-02	5.64E-02	7.07E-03	1.57E-03	7.52E-02
1784	495011.06	3859051.99	0.05098	0.07081	0.0357	0.02103	8.34E-03	5.49E-02	6.92E-03	1.55E-03	7.17E-02	8.21E-03	2.38E-06	7.59E-05	4.53E-05	8.34E-03	9.98E-03	5.49E-02	6.92E-03	1.55E-03	7.34E-02
1785	495061.06	3859051.99	0.0502	0.0695	0.0352	0.02077	8.21E-03	5.39E-02	6.83E-03	1.53E-03	7.05E-02	8.09E-03	2.33E-06	7.48E-05	4.47E-05	8.21E-03	9.82E-03	5.39E-02	6.83E-03	1.53E-03	7.21E-02
1786	495111.06	3859051.99	0.04983	0.06871	0.035	0.02059	8.15E-03	5.33E-02	6.78E-03	1.52E-03	6.97E-02	8.03E-03	2.31E-06	7.43E-05	4.43E-05	8.15E-03	9.75E-03	5.33E-02	6.78E-03	1.52E-03	7.13E-02
1787	495161.06	3859051.99	0.05031	0.06897	0.0352	0.02056	8.23E-03	5.35E-02	6.83E-03	1.51E-03	7.01E-02	8.11E-03	2.32E-06	7.49E-05	4.43E-05	8.23E-03	9.84E-03	5.35E-02	6.83E-03	1.51E-03	7.17E-02
1788	495211.06	3859051.99	0.04984	0.06807	0.0349	0.02037	8.15E-03	5.28E-02	6.77E-03	1.50E-03	6.92E-02	8.03E-03	2.29E-06	7.42E-05	4.39E-05	8.15E-03	9.75E-03	5.28E-02	6.77E-03	1.50E-03	7.08E-02
1789	495261.06	3859051.99	0.05009	0.06805	0.0351	0.0203	8.19E-03	5.28E-02	6.80E-03	1.49E-03	6.93E-02	8.07E-03	2.29E-06	7.45E-05	4.37E-05	8.19E-03	9.80E-03	5.28E-02	6.80E-03	1.49E-03	7.09E-02
1790	495311.06	3859051.99	0.04981	0.06739	0.0349	0.02014	8.15E-03	5.23E-02	6.76E-03	1.48E-03	6.87E-02	8.03E-03	2.26E-06	7.41E-05	4.34E-05	8.15E-03	9.75E-03	5.23E-02	6.76E-03	1.48E-03	7.03E-02
1791	495361.06	3859051.99	0.04974	0.06699	0.0348	0.02003	8.14E-03	5.20E-02	6.74E-03	1.47E-03	6.83E-02	8.01E-03	2.25E-06	7.39E-05	4.31E-05	8.13E-03	9.73E-03	5.20E-02	6.74E-03	1.47E-03	6.99E-02
1792	495411.06	3859051.99	0.04982	0.06678	0.0348	0.01994	8.15E-03	5.18E-02	6.75E-03	1.47E-03	6.82E-02	8.03E-03	2.24E-06	7.40E-05	4.29E-05	8.15E-03	9.75E-03	5.18E-02	6.75E-03	1.47E-03	6.98E-02
1793	495461.06	3859051.99	0.04988	0.06655	0.0348	0.01985	8.16E-03	5.16E-02	6.75E-03	1.46E-03	6.80E-02	8.04E-03	2.24E-06	7.40E-05	4.27E-05	8.16E-03	9.76E-03	5.16E-02	6.75E-03	1.46E-03	6.96E-02
1794	495511.06	3859051.99	0.04928	0.06552	0.0344	0.01964	8.06E-03	5.08E-02	6.67E-03	1.45E-03	6.70E-02	7.94E-03	2.20E-06	7.32E-05	4.23E-05	8.06E-03	9.64E-03	5.08E-02	6.67E-03	1.45E-03	6.86E-02
1795	495561.06	3859051.99	0.04884	0.06471	0.0341	0.01947	7.99E-03	5.02E-02	6.61E-03	1.43E-03	6.62E-02	7.87E-03	2.17E-06	7.25E-05	4.19E-05	7.99E-03	9.56E-03	5.02E-02	6.61E-03	1.43E-03	6.78E-02
1796	495611.06	3859051.99	0.04847	0.06398	0.0338	0.0193	7.93E-03	4.96E-02	6.56E-03	1.42E-03	6.55E-02	7.81E-03	2.15E-06	7.19E-05	4.15E-05	7.93E-03	9.48E-03	4.96E-02	6.56E-03	1.42E-03	6.71E-02
1797	495661.06	3859051.99	0.04875	0.06403	0.034	0.01925	7.97E-03	4.97E-02	6.59E-03	1.42E-03	6.56E-02	7.86E-03	2.15E-06	7.23E-05	4.14E-05	7.97E-03	9.54E-03	4.97E-02	6.59E-03	1.42E-03	6.72E-02
1798	494311.06	3859101.99	0.06208	0.09518	0.0401	0.02517	1.02E-02	7.38E-02	7.77E-03	1.85E-03	9.36E-02	1.00E-02	3.20E-06	8.52E-05	5.42E-05	1.01E-02	1.21E-02	7.38E-02	7.77E-03	1.85E-03	9.56E-02
1799	494361.06	3859101.99	0.06173	0.09415	0.0399	0.02496	1.01E-02	7.30E-02	7.74E-03	1.84E-03	9.27E-02	9.95E-03	3.16E-06	8.49E-05	5.37E-05	1.01E-02	1.21E-02	7.30E-02	7.74E-03	1.84E-03	9.47E-02
1800	494411.06	3859101.99	0.06145	0.09331	0.0398	0.02476	1.01E-02	7.24E-02	7.72E-03	1.82E-03	9.20E-02	9.90E-03	3.13E-06	8.47E-05	5.33E-05	1.00E-02	1.20E-02	7.24E-02	7.72E-03	1.82E-03	9.40E-02
1801	494461.06	3859101.99	0.06093	0.09194	0.0397	0.02451	9.97E-03	7.13E-02	7.69E-03	1.80E-03	9.08E-02	9.82E-03	3.09E-06	8.43E-05	5.28E-05	9.96E-03	1.19E-02	7.13E-02	7.69E-03	1.80E-03	9.27E-02
1802	494511.06	3859101.99	0.06015	0.09005	0.0394	0.0242	9.84E-03	6.99E-02	7.64E-03	1.78E-03	8.91E-02	9.69E-03	3.02E-06	8.38E-05	5.21E-05	9.83E-03	1.18E-02	6.99E-02	7.64E-03	1.78E-03	9.11E-02
1803	494561.06	3859101.99	0.05954	0.08855	0.0392	0.02393	9.74E-03	6.87E-02	7.60E-03	1.76E-03	8.78E-02	9.59E-03	2.97E-06	8.33E-05	5.15E-05	9.73E-03	1.17E-02	6.87E-02	7.60E-03	1.76E-03	8.97E-02
1804	494611.06	3859101.99	0.05855	0.08637	0.0388	0.02357	9.58E-03	6.70E-02	7.53E-03	1.74E-03	8.58E-02	9.43E-03	2.90E-06	8.26E-05	5.07E-05	9.57E-03	1.15E-02	6.70E-02	7.53E-03	1.74E-03	8.77E-02
1805	494661.06	3859101.99	0.05793	0.08495	0.0386	0.02331	9.48E-03	6.59E-02	7.48E-03	1.72E-03	8.46E-02	9.33E-03	2.85E-06	8.20E-05	5.02E-05	9.47E-03	1.13E-02	6.59E-02	7.48E-03	1.72E-03	8.64E-02
1806	494711.06	3859101.99	0.05677	0.08261	0.0381	0.02292	9.29E-03	6.41E-02	7.39E-03	1.69E-03	8.24E-02	9.15E-03	2.77E-06	8.10E-05	4.93E-05	9.28E-03	1.11E-02	6.41E-02	7.39E-03	1.69E-03	8.43E-02
1807	494761.06	3859101.99	0.0565	0.08185	0.038	0.02273	9.24E-03	6.35E-02	7.36E-03	1.67E-03	8.18E-02	9.10E-03	2.75E-06	8.07E-05	4.89E-05	9.24E-03	1.11E-02	6.35E-02	7.36E-03	1.67E-03	8.36E-02
1808	494811.06	3859101.99	0.05574	0.08029	0.0376	0.02244	9.12E-03	6.23E-02	7.29E-03	1.65E-03	8.03E-02	8.98E-03	2.70E-06	7.99E-05	4.83E-05	9.11E-03	1.09E-02	6.23E-02	7.29E-03	1.65E-03	8.21E-02
1809	494861.06	3859101.99	0.05506	0.0789	0.0373	0.02218	9.01E-03	6.12E-02	7.22E-03	1.63E-03	7.91E-02	8.87E-03	2.65E-06	7.92E-05	4.77E-05	9.00E-03	1.08E-02	6.12E-02	7.22E-03	1.63E-03	8.08E-02
1810	494911.06	3859101.99	0.05402	0.07693	0.0367	0.02183	8.84E-03	5.97E-02	7.12E-03	1.61E-03	7.72E-02	8.70E-03	2.58E-06	7.81E-05	4.70E-05	8.83E-03	1.06E-02	5.97E-02	7.12E-03	1.61E-03	7.90E-02
1811	494961.06	3859101.99	0.05234	0.07419	0.0358	0.02138	8.56E-03	5.75E-02	6.94E-03	1.57E-03	7.46E-02	8.43E-03	2.49E-06	7.61E-05	4.60E-05	8.56E-03	1.02E-02	5.76E-02	6.94E-03	1.57E-03	7.63E-02
1812	495011.06	3859101.99	0.05054	0.07143	0.0347	0.02092	8.27E-03	5.54E-02	6.73E-03	1.54E-03	7.19E-02	8.14E-03	2.40E-06	7.38E-05	4.50E-05	8.26E-03	9.89E-03	5.54E-02	6.73E-03	1.54E-03	7.36E-02
1813	495061.06	3859101.99	0.05064	0.07123	0.0348	0.02082	8.28E-03	5.53E-02	6.74E-03	1.53E-03	7.18E-02	8.16E-03	2.39E-06	7.39E-05	4.48E-05	8.28E-03	9.91E-03	5.53E-02	6.74E-03	1.53E-03	7.34E-02
1814	495111.06	3859101.99	0.0502	0.07032	0.0345	0.02063	8.21E-03	5.45E-02	6.69E-03	1.52E-03	7.10E-02	8.09E-03	2.36E-06	7.34E-05	4.44E-05	8.21E-03	9.82E-03	5.46E-02	6.69E-03	1.52E-03	7.26E-02
1815	495161.06	3859101.99	0.05065	0.07058	0.0348	0.0206	8.28E-03	5.47E-02	6.74E-03	1.52E-03	7.13E-02	8.16E-03	2.37E-06	7.39E-05	4.43E-05	8.28E-03	9.91E-03	5.48E-02	6.74E-03	1.52E-03	7.29E-02
1816	495211.06	3859101.99	0.05026	0.06974	0.0345	0.02042	8.22E-03	5.41E-02	6.69E-03	1.50E-03	7.05E-02	8.10E-03	2.34E-06	7.34E-05	4.40E-05	8.22E-03	9.83E-03	5.41E-02	6.69E-03	1.50E-03	7.21E-02
1817	495261.06	3859101.99	0.05036	0.06956	0.0346	0.02032	8.24E-03	5.40E-02	6.70E-03	1.50E-03	7.04E-02	8.11E-03	2.34E-06	7.35E-05	4.37E-05	8.23E-03	9.85E-03	5.40E-02	6.70E-03	1.50E-03	7.20E-02
1818	495311.06	3859101.99	0.05037	0.06901	0.0348	0.02026	8.24E-03	5.35E-02	6.74E-03	1.49E-03	7.00E-02	8.12E-03	2.32E-06	7.39E-05	4.36E-05	8.24E-03	9.86E-03	5.35E-02	6.74E-03	1.49E-03	7.16E-02
1819	495361.06	3859101.99	0.05039	0.06897	0.0346	0.02011	8.24E-03	5.35E-02	6.70E-03	1.48E-03	6.99E-02	8.12E-03	2.32E-06	7.35E-05	4.33E-05	8.24E-03	9.86E-03	5.35E-02	6.70E-03	1.48E-03	7.15E-02
1820	495411.06	3859101.99	0.05035	0.06861	0.0345	0.02	8.24E-03	5.32E-02	6.70E-03	1.47E-03	6.96E-02	8.11E-03	2.30E-06	7.34E-05	4.31E-05	8.23E-03	9.85E-03	5.32E-02	6.70E-03	1.47E-03	7.12E-02
1821	495461.06	3859101.99	0.0502	0.06788	0.0347	0.01992	8.21E-03	5.27E-02	6.72E-03	1.47E-03	6.91E-02	8.09E-03	2.28E-06	7.37E-05	4.29E-05	8.21E-03	9.82E-03	5.27E-02	6.72E-03	1.47E-03	7.07E-02
1822	495511.06	3859101.99	0.05004	0.06737	0.0346	0.01979	8.18E-03	5.23E-02	6.70E-03	1.46E-03	6.86E-02	8.06E-03	2.26E-06	7.35E-05	4.26E-05	8.18E-03	9.79E-03	5.23E-02	6.70E-03	1.46E-03	7.02E-02
1823	495561.06	3859101.99	0.04947	0.06655	0.034	0.01954	8.09E-03	5.16E-02	6.59E-03	1.44E-03	6.77E-02	7.97E-03	2.24E-06	7.22E-05	4.21E-05	8.09E-03	9.68E-03	5.16E-02	6.59E-03	1.44E-03	6.93E-02
1824	495611.06	3859101.99	0.04901	0.06569	0.0337	0.01935	8.02E-03	5.10E-02	6.53E-03	1.42E-03	6.69E-02	7.90E-03	2.21E-06	7.16E-05	4.17E-05	8.01E-03	9.59E-03	5.10E-02	6.53E-03	1.42E-03	6.85E-02
1825	495661.06	3859101.99	0.04906	0.06546	0.0337	0.01926	8.02E-03	5.08E-02	6.53E-03	1.42E-03	6.68E-02	7.91E-03	2.20E-06	7.16E-05	4.15E-05	8.02E-03	9.60E-03	5.08E-02	6.53E-03	1.42E-03	6.83E-02
1826	494311.06	3859151.99	0.06213	0.09797	0.0387	0.02519	1.02E-02	7.60E-02	7.51E-03	1.85E-03	9.55E-02	1.00E-02	3.29E-06	8.24E-05	5.42E-05	1.02E-02	1.22E-02	7.60E-02	7.51E-03	1.85E-03	9.75E-02

1827	494361.06	3859151.99	0.0619	0.09722	0.0386	0.025	1.01E-02	7.54E-02	7.49E-03	1.84E-03	9.49E-02	9.97E-03	3.27E-06	8.21E-05	5.38E-05	1.01E-02	1.21E-02	7.54E-02	7.49E-03	1.84E-03	9.69E-02
1828	494411.06	3859151.99	0.06133	0.09557	0.0385	0.02474	1.00E-02	7.41E-02	7.47E-03	1.82E-03	9.35E-02	9.88E-03	3.21E-06	8.19E-05	5.33E-05	1.00E-02	1.20E-02	7.41E-02	7.47E-03	1.82E-03	9.54E-02
1829	494461.06	3859151.99	0.06074	0.09391	0.0384	0.02447	9.93E-03	7.28E-02	7.44E-03	1.80E-03	9.20E-02	9.79E-03	3.15E-06	8.16E-05	5.27E-05	9.92E-03	1.19E-02	7.29E-02	7.44E-03	1.80E-03	9.40E-02
1830	494511.06	3859151.99	0.05995	0.09183	0.0382	0.02416	9.81E-03	7.12E-02	7.40E-03	1.78E-03	9.02E-02	9.66E-03	3.08E-06	8.11E-05	5.20E-05	9.80E-03	1.17E-02	7.12E-02	7.40E-03	1.78E-03	9.21E-02
1831	494561.06	3859151.99	0.05947	0.09054	0.038	0.02392	9.73E-03	7.02E-02	7.37E-03	1.76E-03	8.91E-02	9.58E-03	3.04E-06	8.08E-05	5.15E-05	9.72E-03	1.16E-02	7.02E-02	7.37E-03	1.76E-03	9.10E-02
1832	494611.06	3859151.99	0.05864	0.08852	0.0378	0.0236	9.59E-03	6.87E-02	7.32E-03	1.74E-03	8.73E-02	9.45E-03	2.97E-06	8.03E-05	5.08E-05	9.58E-03	1.15E-02	6.87E-02	7.32E-03	1.74E-03	8.92E-02
1833	494661.06	3859151.99	0.05811	0.08718	0.0376	0.02335	9.50E-03	6.76E-02	7.28E-03	1.72E-03	8.61E-02	9.36E-03	2.93E-06	7.99E-05	5.03E-05	9.50E-03	1.14E-02	6.76E-02	7.28E-03	1.72E-03	8.80E-02
1834	494711.06	3859151.99	0.05765	0.08601	0.0374	0.02312	9.43E-03	6.67E-02	7.25E-03	1.70E-03	8.51E-02	9.29E-03	2.89E-06	7.95E-05	4.98E-05	9.42E-03	1.13E-02	6.67E-02	7.25E-03	1.70E-03	8.70E-02
1835	494761.06	3859151.99	0.05663	0.08379	0.037	0.02276	9.26E-03	6.50E-02	7.17E-03	1.68E-03	8.31E-02	9.12E-03	2.81E-06	7.87E-05	4.90E-05	9.26E-03	1.11E-02	6.50E-02	7.17E-03	1.68E-03	8.49E-02
1836	494811.06	3859151.99	0.05576	0.08194	0.0366	0.02244	9.12E-03	6.36E-02	7.10E-03	1.65E-03	8.14E-02	8.98E-03	2.75E-06	7.79E-05	4.83E-05	9.11E-03	1.09E-02	6.36E-02	7.10E-03	1.65E-03	8.32E-02
1837	494861.06	3859151.99	0.05522	0.0807	0.0364	0.0222	9.03E-03	6.26E-02	7.06E-03	1.63E-03	8.03E-02	8.90E-03	2.71E-06	7.74E-05	4.78E-05	9.03E-03	1.08E-02	6.26E-02	7.06E-03	1.63E-03	8.21E-02
1838	494911.06	3859151.99	0.05409	0.07853	0.0359	0.02183	8.85E-03	6.09E-02	6.96E-03	1.61E-03	7.83E-02	8.72E-03	2.64E-06	7.63E-05	4.70E-05	8.84E-03	1.06E-02	6.09E-02	6.96E-03	1.61E-03	8.01E-02
1839	494961.06	3859151.99	0.05262	0.07561	0.0353	0.02145	8.61E-03	5.87E-02	6.84E-03	1.58E-03	7.57E-02	8.48E-03	2.54E-06	7.50E-05	4.62E-05	8.60E-03	1.03E-02	5.87E-02	6.84E-03	1.58E-03	7.74E-02
1840	495011.06	3859151.99	0.05094	0.07315	0.0342	0.02095	8.33E-03	5.67E-02	6.63E-03	1.54E-03	7.33E-02	8.21E-03	2.46E-06	7.27E-05	4.51E-05	8.33E-03	9.97E-03	5.67E-02	6.63E-03	1.54E-03	7.49E-02
1841	495061.06	3859151.99	0.05087	0.07272	0.0342	0.02082	8.32E-03	5.64E-02	6.62E-03	1.53E-03	7.29E-02	8.20E-03	2.44E-06	7.26E-05	4.48E-05	8.32E-03	9.95E-03	5.64E-02	6.62E-03	1.53E-03	7.45E-02
1842	495111.06	3859151.99	0.05064	0.07208	0.034	0.02066	8.28E-03	5.59E-02	6.60E-03	1.52E-03	7.23E-02	8.16E-03	2.42E-06	7.24E-05	4.45E-05	8.28E-03	9.91E-03	5.59E-02	6.60E-03	1.52E-03	7.39E-02
1843	495161.06	3859151.99	0.05105	0.07233	0.0343	0.02063	8.35E-03	5.61E-02	6.64E-03	1.52E-03	7.26E-02	8.23E-03	2.43E-06	7.28E-05	4.44E-05	8.35E-03	9.99E-03	5.61E-02	6.64E-03	1.52E-03	7.43E-02
1844	495211.06	3859151.99	0.05088	0.07178	0.0342	0.02049	8.32E-03	5.57E-02	6.63E-03	1.51E-03	7.21E-02	8.20E-03	2.41E-06	7.27E-05	4.41E-05	8.32E-03	9.96E-03	5.57E-02	6.63E-03	1.51E-03	7.38E-02
1845	495261.06	3859151.99	0.05073	0.07125	0.0341	0.02035	8.30E-03	5.53E-02	6.61E-03	1.50E-03	7.17E-02	8.17E-03	2.39E-06	7.25E-05	4.38E-05	8.29E-03	9.93E-03	5.53E-02	6.61E-03	1.50E-03	7.33E-02
1846	495311.06	3859151.99	0.05066	0.07084	0.034	0.02022	8.29E-03	5.50E-02	6.60E-03	1.49E-03	7.13E-02	8.16E-03	2.38E-06	7.24E-05	4.35E-05	8.28E-03	9.91E-03	5.50E-02	6.60E-03	1.49E-03	7.30E-02
1847	495361.06	3859151.99	0.05053	0.07035	0.034	0.02009	8.26E-03	5.46E-02	6.59E-03	1.48E-03	7.09E-02	8.14E-03	2.36E-06	7.22E-05	4.32E-05	8.26E-03	9.89E-03	5.46E-02	6.59E-03	1.48E-03	7.25E-02
1848	495411.06	3859151.99	0.05086	0.07052	0.0342	0.02005	8.32E-03	5.47E-02	6.62E-03	1.48E-03	7.11E-02	8.20E-03	2.37E-06	7.26E-05	4.32E-05	8.31E-03	9.95E-03	5.47E-02	6.62E-03	1.48E-03	7.28E-02
1849	495461.06	3859151.99	0.05076	0.07008	0.0341	0.01993	8.30E-03	5.44E-02	6.61E-03	1.47E-03	7.07E-02	8.18E-03	2.35E-06	7.25E-05	4.29E-05	8.30E-03	9.93E-03	5.44E-02	6.61E-03	1.47E-03	7.24E-02
1850	495511.06	3859151.99	0.05025	0.06907	0.0338	0.01973	8.22E-03	5.36E-02	6.55E-03	1.45E-03	6.98E-02	8.10E-03	2.32E-06	7.19E-05	4.25E-05	8.21E-03	9.83E-03	5.36E-02	6.55E-03	1.45E-03	7.14E-02
1851	495561.06	3859151.99	0.04992	0.06831	0.0336	0.01957	8.16E-03	5.30E-02	6.52E-03	1.44E-03	6.91E-02	8.04E-03	2.29E-06	7.15E-05	4.21E-05	8.16E-03	9.77E-03	5.30E-02	6.52E-03	1.44E-03	7.07E-02
1852	495611.06	3859151.99	0.04965	0.06764	0.0334	0.01942	8.12E-03	5.25E-02	6.48E-03	1.43E-03	6.85E-02	8.00E-03	2.27E-06	7.11E-05	4.18E-05	8.12E-03	9.72E-03	5.25E-02	6.48E-03	1.43E-03	7.01E-02
1853	495661.06	3859151.99	0.04943	0.06706	0.0333	0.01928	8.08E-03	5.20E-02	6.46E-03	1.42E-03	6.80E-02	7.96E-03	2.25E-06	7.08E-05	4.15E-05	8.08E-03	9.67E-03	5.20E-02	6.46E-03	1.42E-03	6.96E-02
1854	494311.06	3859201.99	0.06202	0.10068	0.0374	0.02511	1.01E-02	7.81E-02	7.26E-03	1.85E-03	9.73E-02	9.99E-03	3.38E-06	7.96E-05	5.41E-05	1.01E-02	1.21E-02	7.81E-02	7.26E-03	1.85E-03	9.93E-02
1855	494361.06	3859201.99	0.06168	0.09954	0.0373	0.0249	1.01E-02	7.72E-02	7.24E-03	1.83E-03	9.64E-02	9.94E-03	3.34E-06	7.93E-05	5.36E-05	1.01E-02	1.21E-02	7.72E-02	7.24E-03	1.83E-03	9.84E-02
1856	494411.06	3859201.99	0.06121	0.09805	0.0372	0.02467	1.00E-02	7.61E-02	7.22E-03	1.82E-03	9.51E-02	9.86E-03	3.29E-06	7.91E-05	5.31E-05	1.00E-02	1.20E-02	7.61E-02	7.22E-03	1.82E-03	9.71E-02
1857	494461.06	3859201.99	0.06054	0.09598	0.0371	0.02439	9.90E-03	7.45E-02	7.20E-03	1.80E-03	9.33E-02	9.75E-03	3.22E-06	7.89E-05	5.25E-05	9.89E-03	1.18E-02	7.45E-02	7.20E-03	1.80E-03	9.53E-02
1858	494511.06	3859201.99	0.06006	0.09456	0.037	0.02415	9.82E-03	7.34E-02	7.18E-03	1.78E-03	9.21E-02	9.68E-03	3.18E-06	7.87E-05	5.20E-05	9.81E-03	1.18E-02	7.34E-02	7.18E-03	1.78E-03	9.41E-02
1859	494561.06	3859201.99	0.05926	0.09234	0.0369	0.02384	9.69E-03	7.16E-02	7.15E-03	1.76E-03	9.02E-02	9.55E-03	3.10E-06	7.84E-05	5.13E-05	9.68E-03	1.16E-02	7.16E-02	7.15E-03	1.76E-03	9.21E-02
1860	494611.06	3859201.99	0.05862	0.0906	0.0367	0.02357	9.59E-03	7.03E-02	7.11E-03	1.74E-03	8.87E-02	9.45E-03	3.04E-06	7.80E-05	5.07E-05	9.58E-03	1.15E-02	7.03E-02	7.11E-03	1.74E-03	9.06E-02
1861	494661.06	3859201.99	0.05811	0.0892	0.0365	0.02332	9.50E-03	6.92E-02	7.08E-03	1.72E-03	8.75E-02	9.36E-03	3.00E-06	7.76E-05	5.02E-05	9.49E-03	1.14E-02	6.92E-02	7.08E-03	1.72E-03	8.94E-02
1862	494711.06	3859201.99	0.05758	0.08781	0.0363	0.02308	9.42E-03	6.81E-02	7.05E-03	1.70E-03	8.63E-02	9.28E-03	2.95E-06	7.73E-05	4.97E-05	9.41E-03	1.13E-02	6.81E-02	7.05E-03	1.70E-03	8.81E-02
1863	494761.06	3859201.99	0.05668	0.08566	0.0361	0.02275	9.27E-03	6.64E-02	6.99E-03	1.67E-03	8.44E-02	9.13E-03	2.88E-06	7.66E-05	4.90E-05	9.26E-03	1.11E-02	6.65E-02	6.99E-03	1.67E-03	8.62E-02
1864	494811.06	3859201.99	0.05591	0.08388	0.0358	0.02245	9.14E-03	6.51E-02	6.94E-03	1.65E-03	8.28E-02	9.01E-03	2.82E-06	7.61E-05	4.83E-05	9.14E-03	1.09E-02	6.51E-02	6.94E-03	1.65E-03	8.46E-02
1865	494861.06	3859201.99	0.05507	0.08172	0.0355	0.02218	9.01E-03	6.34E-02	6.89E-03	1.63E-03	8.09E-02	8.87E-03	2.75E-06	7.55E-05	4.77E-05	9.00E-03	1.08E-02	6.34E-02	6.89E-03	1.63E-03	8.27E-02
1866	494911.06	3859201.99	0.05379	0.07946	0.0349	0.02173	8.80E-03	6.16E-02	6.77E-03	1.60E-03	7.88E-02	8.67E-03	2.67E-06	7.42E-05	4.68E-05	8.79E-03	1.05E-02	6.16E-02	6.77E-03	1.60E-03	8.05E-02
1867	494961.06	3859201.99	0.05247	0.07699	0.0343	0.02132	8.58E-03	5.97E-02	6.64E-03	1.57E-03	7.65E-02	8.45E-03	2.59E-06	7.28E-05	4.59E-05	8.58E-03	1.03E-02	5.97E-02	6.64E-03	1.57E-03	7.82E-02
1868	495011.06	3859201.99	0.05064	0.07382	0.0334	0.02083	8.28E-03	5.73E-02	6.47E-03	1.53E-03	7.35E-02	8.16E-03	2.48E-06	7.09E-05	4.48E-05	8.28E-03	9.91E-03	5.73E-02	6.47E-03	1.53E-03	7.52E-02
1869	495061.06	3859201.99	0.05138	0.07465	0.0337	0.02086	8.40E-03	5.79E-02	6.53E-03	1.54E-03	7.44E-02	8.28E-03	2.51E-06	7.17E-05	4.49E-05	8.40E-03	1.01E-02	5.79E-02	6.53E-03	1.54E-03	7.60E-02
1870	495111.06	3859201.99	0.0514	0.07438	0.0337	0.02076	8.41E-03	5.77E-02	6.54E-03	1.53E-03	7.42E-02	8.28E-03	2.50E-06	7.17E-05	4.47E-05	8.40E-03	1.01E-02	5.77E-02	6.54E-03	1.53E-03	7.58E-02
1871	495161.06	3859201.99	0.05133	0.07397	0.0337	0.02063	8.40E-03	5.74E-02	6.53E-03	1.52E-03	7.38E-02	8.27E-03	2.48E-06	7.16E-05	4.44E-05	8.39E-03	1.00E-02	5.74E-02	6.53E-03	1.52E-03	7.55E-02
1872	495211.06	3859201.99	0.05099	0.07316	0.0335	0.02046	8.34E-03	5.68E-02	6.49E-03	1.51E-03	7.31E-02	8.22E-03	2.46E-06	7.12E-05	4.40E-05	8.33E-03	9.98E-03	5.68E-02	6.49E-03	1.51E-03	7.47E-02
1873	495261.06	3859201.99	0.05104	0.07294	0.0335	0.02036	8.35E-03	5.66E-02	6.50E-03	1.50E-03	7.29E-02	8.22E-03	2.45E-06	7.13E-05	4.38E-05	8.34E-03	9.99E-03	5.66E-02	6.50E-03	1.50E-03	7.46E-02
1874	495311.06	3859201.99	0.05096	0.07252	0.0335	0.02024	8.34E-03	5.63E-02	6.49E-03	1.49E-03	7.26E-02	8.21E-03	2.44E-06	7.12E-05	4.36E-05	8.33E-03	9.97E-03	5.63E-02	6.49E-03	1.49E-03	7.42E-02
1875	495361.06	3859201.99	0.05094	0.07219	0.0335	0.02013	8.33E-03	5.60E-02	6.49E-03	1.48E-03	7.23E-02	8.21E-03	2.42E-06	7.12E-05	4.33E-05	8.32E-03	9.97E-03	5.60E-02	6.49E-03	1.48E-03	7.39E-02
1876	495411.06	3859201.99	0.05116	0.07229	0.0336	0.02007	8.37E-03	5.61E-02	6.51E-03	1.48E-03	7.24E-02	8.24E-03	2.43E-06	7.14E-05	4.32E-05	8.36E-03	1.00E-02	5.61E-02	6.51E-03	1.48E-03	7.41E-02
1877	495461.06	3859201.99	0.05096	0.07169	0.0335	0.01993	8.34E-03	5.56E-02	6.49E-03	1.47E-03	7.19E-02	8.21E-03	2.41E-06	7.12E-05	4.29E-05	8.33E-03	9.97E-03	5.56E-02	6.49E-03	1.47E-03	7.35E-02
1878	495511.06	3859201.99	0.05076	0.07106	0.0334	0.01979	8.30E-03	5.51E-02	6.47E-03	1.46E-03	7.14E-02	8.18E-03	2.39E-06	7.10E-05	4.26E-05	8.30E-03	9.93E-03	5.51E-02	6.47E-03	1.46E-03	7.30E-02
1879	495561.06	3859201.99	0.05022	0.06995	0.0331	0.01958	8.21E-03	5.43E-02	6.42E-03	1.44E-03	7.03E-02	8.09E-03	2.35E-06	7.04E-05	4.22E-05	8.21E-03	9.83E-03	5.43E-02	6.42E-03	1.44E-03	7.19E-02
1880	495611.06	3859201.99	0.04986	0.06913	0.0329	0.01941	8.16E-03	5.36E-02	6.38E-03	1.43E-03	6.96E-02	8.03E-03	2.32E-06	7.00E-05	4.18E-05	8.15E-03	9.76E-03	5.36E-02	6.38E-03	1.43E-03	7.12E-02
1881	495661.06	3859201.99	0.04966	0.06855	0.0328	0.01927	8.12E-03	5.32E-02	6.36E-03	1.42E-03	6.91E-02	8.00E-03	2.30E-06	6.97E-05	4.15E-05	8.12E-03	9.72E-03	5.32E-02	6.36E-03	1.42E-03	7.07E-02
1882	494311.06	3859251.99	0.06178	0.10343	0.0362	0.02497	1.01E-02	8.02E-02	7.01E-03	1.84E-03	9.92E-02	9.95E-03	3.47E-06	7.69E-05	5.38E-05	1.01E-02	1.21E-02	8.02E-02	7.01E-03	1.84E-03	1.01E-01
1883	494361.06	3859251.99	0.06133	0.10177	0.0361	0.02474	1.00E-02	7.89E-02	7.00E-03	1.82E-03	9.78E-02	9.88E-03	3.42E-06	7.68E-05	5.33E-05	1.00E-02	1.20E-02	7.89E-02	7.00E-03	1.82E-03	9.98E-02
1884	494411.06	3859251.99	0.06071	0.09957	0.0361	0.02448	9.93E-03	7.72E-02	6.99E-03	1.80E-03	9.60E-02	9.78E-03	3.34E-06	7.66E-05	5.27E-05	9.92E-03	1.19E-02	7.72E-02	6.99E-03	1.80E-03	9.79E-02
1885	494461.06	3859251.99	0.06027	0.09809	0.036	0.02425	9.86E-03	7.61E-02	6.97E-03	1.79E-03	9.47E-02	9.71E-03	3.29E-06	7.65E-05	5.22E-05	9.84E-03	1.18E-02	7.61E-02	6.97E-03	1.79E-03	9.66E-02
1886	494511.06	3859251.99	0.05955	0.09578	0.0359	0.02396	9.74E-03	7.43E-02	6.96E-03	1.76E-03	9.28E-02	9.60E-03	3.22E-06	7.63E-05	5.16E-05	9.73E-03	1.17E-02	7.43E-02	6.96E-03	1.76E-03	9.47E-02
1887	494561.06	3859251.99	0.05905	0.09424	0.0358	0.02373	9.66E-03	7.31E-02	6.94E-03	1.75E-03	9.14E-02	9.51E-03	3.17E-06	7.61E-05	5.11E-05	9.65E-03	1.16E-02	7.31E-02	6.94E-03	1.75E-03	9.33E-02

1888	494611.06	3859251.99	0.05839	0.0923	0.0356	0.02345	9.55E-03	7.16E-02	6.91E-03	1.73E-03	8.98E-02	9.41E-03	3.10E-06	7.58E-05	5.05E-05	9.54E-03	1.14E-02	7.16E-02	6.91E-03	1.73E-03	9.17E-02
1889	494661.06	3859251.99	0.05802	0.09119	0.0355	0.02325	9.49E-03	7.07E-02	6.89E-03	1.71E-03	8.88E-02	9.35E-03	3.06E-06	7.55E-05	5.01E-05	9.48E-03	1.14E-02	7.07E-02	6.89E-03	1.71E-03	9.07E-02
1890	494711.06	3859251.99	0.05751	0.08974	0.0354	0.02301	9.41E-03	6.96E-02	6.86E-03	1.69E-03	8.76E-02	9.27E-03	3.01E-06	7.52E-05	4.95E-05	9.39E-03	1.13E-02	6.96E-02	6.86E-03	1.69E-03	8.94E-02
1891	494761.06	3859251.99	0.05623	0.08624	0.0351	0.02263	9.20E-03	6.69E-02	6.81E-03	1.67E-03	8.46E-02	9.06E-03	2.90E-06	7.47E-05	4.87E-05	9.19E-03	1.10E-02	6.69E-02	6.81E-03	1.67E-03	8.64E-02
1892	494811.06	3859251.99	0.05597	0.08576	0.0349	0.02241	9.15E-03	6.65E-02	6.77E-03	1.65E-03	8.41E-02	9.02E-03	2.88E-06	7.42E-05	4.82E-05	9.14E-03	1.10E-02	6.65E-02	6.77E-03	1.65E-03	8.59E-02
1893	494861.06	3859251.99	0.05479	0.08277	0.0346	0.02207	8.96E-03	6.42E-02	6.71E-03	1.62E-03	8.15E-02	8.83E-03	2.78E-06	7.36E-05	4.75E-05	8.95E-03	1.07E-02	6.42E-02	6.71E-03	1.62E-03	8.33E-02
1894	494911.06	3859251.99	0.05349	0.08036	0.034	0.0216	8.75E-03	6.23E-02	6.59E-03	1.59E-03	7.93E-02	8.62E-03	2.70E-06	7.23E-05	4.65E-05	8.74E-03	1.05E-02	6.23E-02	6.59E-03	1.59E-03	8.10E-02
1895	494961.06	3859251.99	0.05288	0.079	0.0337	0.02135	8.65E-03	6.13E-02	6.54E-03	1.57E-03	7.80E-02	8.52E-03	2.65E-06	7.17E-05	4.60E-05	8.64E-03	1.03E-02	6.13E-02	6.54E-03	1.57E-03	7.97E-02
1896	495011.06	3859251.99	0.05212	0.07741	0.0334	0.02107	8.52E-03	6.00E-02	6.47E-03	1.55E-03	7.66E-02	8.40E-03	2.60E-06	7.09E-05	4.54E-05	8.52E-03	1.02E-02	6.01E-02	6.47E-03	1.55E-03	7.83E-02
1897	495061.06	3859251.99	0.05219	0.07726	0.0334	0.02098	8.54E-03	5.99E-02	6.47E-03	1.54E-03	7.65E-02	8.41E-03	2.60E-06	7.10E-05	4.52E-05	8.53E-03	1.02E-02	5.99E-02	6.47E-03	1.54E-03	7.82E-02
1898	495111.06	3859251.99	0.05191	0.07651	0.0332	0.02081	8.49E-03	5.93E-02	6.45E-03	1.53E-03	7.58E-02	8.36E-03	2.57E-06	7.07E-05	4.48E-05	8.48E-03	1.02E-02	5.94E-02	6.45E-03	1.53E-03	7.75E-02
1899	495161.06	3859251.99	0.0518	0.07605	0.0332	0.02068	8.47E-03	5.90E-02	6.43E-03	1.52E-03	7.54E-02	8.35E-03	2.55E-06	7.05E-05	4.45E-05	8.46E-03	1.01E-02	5.90E-02	6.43E-03	1.52E-03	7.71E-02
1900	495211.06	3859251.99	0.05149	0.07525	0.033	0.02051	8.42E-03	5.84E-02	6.40E-03	1.51E-03	7.47E-02	8.30E-03	2.53E-06	7.02E-05	4.42E-05	8.41E-03	1.01E-02	5.84E-02	6.40E-03	1.51E-03	7.64E-02
1901	495261.06	3859251.99	0.05151	0.07476	0.0331	0.02046	8.43E-03	5.80E-02	6.43E-03	1.51E-03	7.43E-02	8.30E-03	2.51E-06	7.05E-05	4.40E-05	8.42E-03	1.01E-02	5.80E-02	6.43E-03	1.51E-03	7.60E-02
1902	495311.06	3859251.99	0.05145	0.07464	0.033	0.02029	8.42E-03	5.79E-02	6.40E-03	1.49E-03	7.42E-02	8.29E-03	2.51E-06	7.01E-05	4.37E-05	8.41E-03	1.01E-02	5.79E-02	6.40E-03	1.49E-03	7.59E-02
1903	495361.06	3859251.99	0.05129	0.0741	0.0329	0.02016	8.39E-03	5.75E-02	6.38E-03	1.48E-03	7.37E-02	8.26E-03	2.49E-06	7.00E-05	4.34E-05	8.38E-03	1.00E-02	5.75E-02	6.38E-03	1.48E-03	7.54E-02
1904	495411.06	3859251.99	0.05142	0.07406	0.033	0.02009	8.41E-03	5.74E-02	6.39E-03	1.48E-03	7.37E-02	8.29E-03	2.49E-06	7.01E-05	4.32E-05	8.40E-03	1.01E-02	5.75E-02	6.39E-03	1.48E-03	7.54E-02
1905	495461.06	3859251.99	0.05123	0.07347	0.0329	0.01995	8.38E-03	5.70E-02	6.37E-03	1.47E-03	7.32E-02	8.25E-03	2.47E-06	6.99E-05	4.29E-05	8.37E-03	1.00E-02	5.70E-02	6.37E-03	1.47E-03	7.49E-02
1906	495511.06	3859251.99	0.05071	0.07232	0.0326	0.01973	8.29E-03	5.61E-02	6.33E-03	1.45E-03	7.22E-02	8.17E-03	2.43E-06	6.94E-05	4.25E-05	8.29E-03	9.92E-03	5.61E-02	6.33E-03	1.45E-03	7.38E-02
1907	495561.06	3859251.99	0.05044	0.07161	0.0325	0.01958	8.25E-03	5.55E-02	6.30E-03	1.44E-03	7.15E-02	8.13E-03	2.41E-06	6.91E-05	4.22E-05	8.24E-03	9.87E-03	5.56E-02	6.30E-03	1.44E-03	7.32E-02
1908	495611.06	3859251.99	0.04999	0.0706	0.0323	0.01938	8.18E-03	5.48E-02	6.26E-03	1.43E-03	7.06E-02	8.05E-03	2.37E-06	6.86E-05	4.17E-05	8.17E-03	9.78E-03	5.48E-02	6.26E-03	1.43E-03	7.22E-02
1909	495661.06	3859251.99	0.04972	0.0699	0.0321	0.01923	8.13E-03	5.42E-02	6.23E-03	1.42E-03	7.00E-02	8.01E-03	2.35E-06	6.83E-05	4.14E-05	8.12E-03	9.73E-03	5.42E-02	6.23E-03	1.42E-03	7.16E-02
1910	494311.06	3859301.99	0.06138	0.106	0.0349	0.02474	1.00E-02	8.22E-02	6.77E-03	1.82E-03	1.01E-01	9.89E-03	3.56E-06	7.43E-05	5.33E-05	1.00E-02	1.20E-02	8.22E-02	6.77E-03	1.82E-03	1.03E-01
1911	494361.06	3859301.99	0.06095	0.10418	0.0349	0.02452	9.97E-03	8.08E-02	6.77E-03	1.81E-03	9.94E-02	9.82E-03	3.50E-06	7.42E-05	5.28E-05	9.95E-03	1.19E-02	8.08E-02	6.77E-03	1.81E-03	1.01E-01
1912	494411.06	3859301.99	0.06038	0.10192	0.0349	0.02428	9.88E-03	7.91E-02	6.77E-03	1.79E-03	9.75E-02	9.73E-03	3.42E-06	7.43E-05	5.23E-05	9.86E-03	1.18E-02	7.91E-02	6.77E-03	1.79E-03	9.94E-02
1913	494461.06	3859301.99	0.05979	0.09971	0.0349	0.02403	9.78E-03	7.73E-02	6.77E-03	1.77E-03	9.57E-02	9.63E-03	3.35E-06	7.42E-05	5.17E-05	9.76E-03	1.17E-02	7.73E-02	6.77E-03	1.77E-03	9.76E-02
1914	494511.06	3859301.99	0.05924	0.09777	0.0348	0.02379	9.69E-03	7.58E-02	6.76E-03	1.75E-03	9.40E-02	9.55E-03	3.28E-06	7.41E-05	5.12E-05	9.67E-03	1.16E-02	7.58E-02	6.76E-03	1.75E-03	9.59E-02
1915	494561.06	3859301.99	0.0588	0.09623	0.0348	0.02357	9.62E-03	7.46E-02	6.74E-03	1.74E-03	9.27E-02	9.47E-03	3.23E-06	7.39E-05	5.07E-05	9.60E-03	1.15E-02	7.46E-02	6.74E-03	1.74E-03	9.46E-02
1916	494611.06	3859301.99	0.05829	0.09455	0.0347	0.02334	9.53E-03	7.33E-02	6.72E-03	1.72E-03	9.13E-02	9.39E-03	3.18E-06	7.37E-05	5.02E-05	9.52E-03	1.14E-02	7.33E-02	6.72E-03	1.72E-03	9.32E-02
1917	494661.06	3859301.99	0.05777	0.09292	0.0346	0.0231	9.45E-03	7.21E-02	6.70E-03	1.70E-03	8.99E-02	9.31E-03	3.12E-06	7.35E-05	4.97E-05	9.43E-03	1.13E-02	7.21E-02	6.70E-03	1.70E-03	9.18E-02
1918	494711.06	3859301.99	0.05714	0.09101	0.0344	0.02284	9.35E-03	7.06E-02	6.68E-03	1.68E-03	8.83E-02	9.21E-03	3.06E-06	7.32E-05	4.92E-05	9.33E-03	1.12E-02	7.06E-02	6.68E-03	1.68E-03	9.01E-02
1919	494761.06	3859301.99	0.05656	0.08934	0.0343	0.02259	9.25E-03	6.93E-02	6.65E-03	1.66E-03	8.69E-02	9.11E-03	3.00E-06	7.29E-05	4.86E-05	9.24E-03	1.11E-02	6.93E-02	6.65E-03	1.66E-03	8.87E-02
1920	494811.06	3859301.99	0.05571	0.08704	0.0341	0.02228	9.11E-03	6.75E-02	6.61E-03	1.64E-03	8.49E-02	8.98E-03	2.92E-06	7.25E-05	4.80E-05	9.10E-03	1.09E-02	6.75E-02	6.61E-03	1.64E-03	8.67E-02
1921	494861.06	3859301.99	0.05446	0.08403	0.0337	0.02187	8.91E-03	6.52E-02	6.54E-03	1.61E-03	8.22E-02	8.78E-03	2.82E-06	7.17E-05	4.71E-05	8.90E-03	1.07E-02	6.52E-02	6.54E-03	1.61E-03	8.40E-02
1922	494911.06	3859301.99	0.05382	0.08246	0.0335	0.02161	8.80E-03	6.40E-02	6.49E-03	1.59E-03	8.08E-02	8.67E-03	2.77E-06	7.11E-05	4.65E-05	8.79E-03	1.05E-02	6.40E-02	6.49E-03	1.59E-03	8.26E-02
1923	494961.06	3859301.99	0.05251	0.07953	0.033	0.02121	8.59E-03	6.17E-02	6.39E-03	1.56E-03	7.82E-02	8.46E-03	2.67E-06	7.01E-05	4.57E-05	8.58E-03	1.03E-02	6.17E-02	6.39E-03	1.56E-03	7.99E-02
1924	495011.06	3859301.99	0.05203	0.07837	0.0327	0.021	8.51E-03	6.08E-02	6.35E-03	1.55E-03	7.72E-02	8.38E-03	2.63E-06	6.96E-05	4.52E-05	8.50E-03	1.02E-02	6.08E-02	6.35E-03	1.55E-03	7.89E-02
1925	495061.06	3859301.99	0.05271	0.07928	0.033	0.02108	8.62E-03	6.15E-02	6.40E-03	1.55E-03	7.81E-02	8.49E-03	2.66E-06	7.02E-05	4.54E-05	8.61E-03	1.03E-02	6.15E-02	6.40E-03	1.55E-03	7.98E-02
1926	495111.06	3859301.99	0.05196	0.07773	0.0327	0.02077	8.50E-03	6.03E-02	6.33E-03	1.53E-03	7.67E-02	8.37E-03	2.61E-06	6.94E-05	4.47E-05	8.49E-03	1.02E-02	6.03E-02	6.33E-03	1.53E-03	7.83E-02
1927	495161.06	3859301.99	0.05181	0.07737	0.0325	0.02061	8.47E-03	6.00E-02	6.30E-03	1.52E-03	7.63E-02	8.35E-03	2.60E-06	6.91E-05	4.44E-05	8.46E-03	1.01E-02	6.00E-02	6.30E-03	1.52E-03	7.80E-02
1928	495211.06	3859301.99	0.05198	0.07745	0.0326	0.02055	8.50E-03	6.01E-02	6.31E-03	1.51E-03	7.64E-02	8.38E-03	2.60E-06	6.92E-05	4.42E-05	8.49E-03	1.02E-02	6.01E-02	6.31E-03	1.51E-03	7.81E-02
1929	495261.06	3859301.99	0.05196	0.07718	0.0325	0.02045	8.50E-03	5.99E-02	6.31E-03	1.51E-03	7.62E-02	8.37E-03	2.59E-06	6.91E-05	4.40E-05	8.49E-03	1.02E-02	5.99E-02	6.31E-03	1.51E-03	7.79E-02
1930	495311.06	3859301.99	0.0515	0.07608	0.0323	0.02024	8.42E-03	5.90E-02	6.27E-03	1.49E-03	7.52E-02	8.30E-03	2.56E-06	6.87E-05	4.36E-05	8.41E-03	1.01E-02	5.90E-02	6.27E-03	1.49E-03	7.69E-02
1931	495361.06	3859301.99	0.05155	0.07593	0.0323	0.02016	8.43E-03	5.89E-02	6.27E-03	1.48E-03	7.51E-02	8.31E-03	2.55E-06	6.87E-05	4.34E-05	8.42E-03	1.01E-02	5.89E-02	6.27E-03	1.48E-03	7.67E-02
1932	495411.06	3859301.99	0.05143	0.07548	0.0323	0.02003	8.41E-03	5.85E-02	6.25E-03	1.47E-03	7.47E-02	8.29E-03	2.54E-06	6.86E-05	4.31E-05	8.40E-03	1.01E-02	5.86E-02	6.25E-03	1.47E-03	7.63E-02
1933	495461.06	3859301.99	0.05137	0.07513	0.0322	0.01993	8.40E-03	5.83E-02	6.25E-03	1.47E-03	7.44E-02	8.28E-03	2.52E-06	6.85E-05	4.29E-05	8.39E-03	1.01E-02	5.83E-02	6.25E-03	1.47E-03	7.60E-02
1934	495511.06	3859301.99	0.05098	0.07415	0.032	0.01974	8.34E-03	5.75E-02	6.21E-03	1.45E-03	7.35E-02	8.21E-03	2.49E-06	6.81E-05	4.25E-05	8.33E-03	9.98E-03	5.75E-02	6.21E-03	1.45E-03	7.52E-02
1935	495561.06	3859301.99	0.05031	0.07268	0.0318	0.01949	8.23E-03	5.64E-02	6.16E-03	1.43E-03	7.22E-02	8.11E-03	2.44E-06	6.75E-05	4.20E-05	8.22E-03	9.84E-03	5.64E-02	6.16E-03	1.43E-03	7.38E-02
1936	495611.06	3859301.99	0.05005	0.07197	0.0316	0.01934	8.19E-03	5.58E-02	6.13E-03	1.42E-03	7.16E-02	8.06E-03	2.42E-06	6.73E-05	4.16E-05	8.18E-03	9.79E-03	5.58E-02	6.13E-03	1.42E-03	7.32E-02
1937	495661.06	3859301.99	0.04978	0.07125	0.0315	0.01919	8.14E-03	5.53E-02	6.11E-03	1.41E-03	7.09E-02	8.02E-03	2.39E-06	6.70E-05	4.13E-05	8.13E-03	9.74E-03	5.53E-02	6.11E-03	1.41E-03	7.25E-02
1938	494311.06	3859351.99	0.06077	0.10797	0.0337	0.02444	9.94E-03	8.38E-02	6.54E-03	1.80E-03	1.02E-01	9.79E-03	3.63E-06	7.17E-05	5.26E-05	9.92E-03	1.19E-02	8.38E-02	6.54E-03	1.80E-03	1.04E-01
1939	494361.06	3859351.99	0.06037	0.1061	0.0338	0.02423	9.87E-03	8.23E-02	6.55E-03	1.78E-03	1.01E-01	9.73E-03	3.56E-06	7.18E-05	5.22E-05	9.86E-03	1.18E-02	8.23E-02	6.55E-03	1.78E-03	1.02E-01
1940	494411.06	3859351.99	0.0598	0.10358	0.0339	0.02401	9.78E-03	8.03E-02	6.57E-03	1.77E-03	9.85E-02	9.64E-03	3.48E-06	7.20E-05	5.17E-05	9.76E-03	1.17E-02	8.04E-02	6.57E-03	1.77E-03	1.00E-01
1941	494461.06	3859351.99	0.05929	0.10146	0.0339	0.02378	9.70E-03	7.87E-02	6.57E-03	1.75E-03	9.67E-02	9.55E-03	3.41E-06	7.21E-05	5.12E-05	9.68E-03	1.16E-02	7.87E-02	6.57E-03	1.75E-03	9.86E-02
1942	494511.06	3859351.99	0.05882	0.09957	0.0339	0.02356	9.62E-03	7.72E-02	6.57E-03	1.73E-03	9.52E-02	9.48E-03	3.34E-06	7.20E-05	5.07E-05	9.60E-03	1.15E-02	7.72E-02	6.57E-03	1.73E-03	9.71E-02
1943	494561.06	3859351.99	0.05844	0.09815	0.0338	0.02336	9.56E-03	7.61E-02	6.55E-03	1.72E-03	9.40E-02	9.42E-03	3.30E-06	7.18E-05	5.03E-05	9.54E-03	1.14E-02	7.61E-02	6.55E-03	1.72E-03	9.58E-02
1944	494611.06	3859351.99	0.058	0.09652	0.0337	0.02314	9.49E-03	7.49E-02	6.54E-03	1.70E-03	9.26E-02	9.35E-03	3.24E-06	7.17E-05	4.98E-05	9.47E-03	1.13E-02	7.49E-02	6.54E-03	1.70E-03	9.45E-02
1945	494661.06	3859351.99	0.05752	0.09483	0.0336	0.02292	9.41E-03	7.36E-02	6.52E-03	1.69E-03	9.12E-02	9.27E-03	3.19E-06	7.15E-05	4.93E-05	9.39E-03	1.13E-02	7.36E-02	6.52E-03	1.69E-03	9.30E-02
1946	494711.06	3859351.99	0.05689	0.09273	0.0336	0.02267	9.30E-03	7.19E-02	6.51E-03	1.67E-03	8.94E-02	9.17E-03	3.11E-06	7.14E-05	4.88E-05	9.29E-03	1.11E-02	7.19E-02	6.51E-03	1.67E-03	9.12E-02
1947	494761.06	3859351.99	0.05613	0.09008	0.0335	0.02242	9.18E-03	6.99E-02	6.49E-03	1.65E-03	8.72E-02	9.04E-03	3.03E-06	7.12E-05	4.83E-05	9.17E-03	1.10E-02	6.99E-02	6.49E-03	1.65E-03	8.90E-02
1948	494811.06	3859351.99	0.05485	0.08686	0.0332	0.02197	8.97E-03	6.74E-02	6.44E-03	1.62E-03	8.44E-02	8.84E-03	2.92E-06	7.06E-05	4.73E-05	8.96E-03	1.07E-02	6.74E-02	6.44E-03	1.62E-03	8.62E-02

1949	494861.06	3859351.99	0.05437	0.08551	0.0331	0.02175	8.89E-03	6.63E-02	6.41E-03	1.60E-03	8.32E-02	8.76E-03	2.87E-06	7.03E-05	4.68E-05	8.88E-03	1.06E-02	6.63E-02	6.41E-03	1.60E-03	8.50E-02
1950	494911.06	3859351.99	0.05404	0.08455	0.0329	0.02156	8.84E-03	6.56E-02	6.38E-03	1.59E-03	8.24E-02	8.71E-03	2.84E-06	6.99E-05	4.64E-05	8.83E-03	1.06E-02	6.56E-02	6.38E-03	1.59E-03	8.41E-02
1951	494961.06	3859351.99	0.05346	0.08308	0.0327	0.02132	8.74E-03	6.44E-02	6.33E-03	1.57E-03	8.11E-02	8.61E-03	2.79E-06	6.95E-05	4.59E-05	8.73E-03	1.05E-02	6.44E-02	6.33E-03	1.57E-03	8.28E-02
1952	495011.06	3859351.99	0.05304	0.08192	0.0325	0.02112	8.68E-03	6.35E-02	6.30E-03	1.55E-03	8.01E-02	8.55E-03	2.75E-06	6.91E-05	4.55E-05	8.66E-03	1.04E-02	6.35E-02	6.30E-03	1.55E-03	8.18E-02
1953	495061.06	3859351.99	0.05327	0.08225	0.0325	0.02107	8.71E-03	6.38E-02	6.30E-03	1.55E-03	8.04E-02	8.58E-03	2.76E-06	6.91E-05	4.54E-05	8.70E-03	1.04E-02	6.38E-02	6.30E-03	1.55E-03	8.21E-02
1954	495111.06	3859351.99	0.05281	0.08103	0.0323	0.02086	8.64E-03	6.29E-02	6.26E-03	1.54E-03	7.93E-02	8.51E-03	2.72E-06	6.87E-05	4.49E-05	8.63E-03	1.03E-02	6.29E-02	6.26E-03	1.54E-03	8.10E-02
1955	495161.06	3859351.99	0.05259	0.08036	0.0322	0.02071	8.60E-03	6.23E-02	6.24E-03	1.52E-03	7.87E-02	8.47E-03	2.70E-06	6.84E-05	4.46E-05	8.59E-03	1.03E-02	6.23E-02	6.24E-03	1.52E-03	8.04E-02
1956	495211.06	3859351.99	0.05234	0.07963	0.0321	0.02056	8.56E-03	6.18E-02	6.21E-03	1.51E-03	7.81E-02	8.43E-03	2.67E-06	6.81E-05	4.43E-05	8.55E-03	1.02E-02	6.18E-02	6.21E-03	1.51E-03	7.97E-02
1957	495261.06	3859351.99	0.05227	0.07929	0.032	0.02044	8.55E-03	6.15E-02	6.20E-03	1.50E-03	7.78E-02	8.42E-03	2.66E-06	6.80E-05	4.40E-05	8.54E-03	1.02E-02	6.15E-02	6.20E-03	1.50E-03	7.94E-02
1958	495311.06	3859351.99	0.05189	0.07828	0.0318	0.02026	8.49E-03	6.07E-02	6.17E-03	1.49E-03	7.69E-02	8.36E-03	2.63E-06	6.77E-05	4.36E-05	8.48E-03	1.02E-02	6.07E-02	6.17E-03	1.49E-03	7.85E-02
1959	495361.06	3859351.99	0.05168	0.07764	0.0317	0.02012	8.45E-03	6.02E-02	6.15E-03	1.48E-03	7.63E-02	8.33E-03	2.61E-06	6.74E-05	4.33E-05	8.44E-03	1.01E-02	6.02E-02	6.15E-03	1.48E-03	7.80E-02
1960	495411.06	3859351.99	0.05159	0.07725	0.0317	0.02	8.44E-03	5.99E-02	6.14E-03	1.47E-03	7.60E-02	8.31E-03	2.59E-06	6.73E-05	4.31E-05	8.43E-03	1.01E-02	5.99E-02	6.14E-03	1.47E-03	7.76E-02
1961	495461.06	3859351.99	0.05159	0.07705	0.0316	0.01991	8.44E-03	5.98E-02	6.13E-03	1.47E-03	7.58E-02	8.31E-03	2.59E-06	6.72E-05	4.29E-05	8.43E-03	1.01E-02	5.98E-02	6.13E-03	1.47E-03	7.75E-02
1962	495511.06	3859351.99	0.05106	0.07573	0.0314	0.01969	8.35E-03	5.87E-02	6.09E-03	1.45E-03	7.46E-02	8.23E-03	2.54E-06	6.68E-05	4.24E-05	8.34E-03	9.99E-03	5.87E-02	6.09E-03	1.45E-03	7.63E-02
1963	495561.06	3859351.99	0.05066	0.07472	0.0312	0.01951	8.29E-03	5.80E-02	6.06E-03	1.44E-03	7.37E-02	8.16E-03	2.51E-06	6.64E-05	4.20E-05	8.27E-03	9.91E-03	5.80E-02	6.06E-03	1.44E-03	7.54E-02
1964	495611.06	3859351.99	0.0504	0.07398	0.0311	0.01936	8.24E-03	5.74E-02	6.04E-03	1.43E-03	7.31E-02	8.12E-03	2.49E-06	6.62E-05	4.17E-05	8.23E-03	9.86E-03	5.74E-02	6.04E-03	1.43E-03	7.47E-02
1965	495661.06	3859351.99	0.04985	0.07269	0.0309	0.01914	8.15E-03	5.64E-02	5.99E-03	1.41E-03	7.19E-02	8.03E-03	2.44E-06	6.57E-05	4.12E-05	8.14E-03	9.75E-03	5.64E-02	5.99E-03	1.41E-03	7.35E-02
1966	494311.06	3859401.99	0.0602	0.11052	0.0325	0.02409	9.85E-03	8.57E-02	6.29E-03	1.77E-03	1.04E-01	9.70E-03	3.71E-06	6.90E-05	5.19E-05	9.82E-03	1.18E-02	8.57E-02	6.29E-03	1.77E-03	1.06E-01
1967	494361.06	3859401.99	0.05971	0.10788	0.0326	0.0239	9.77E-03	8.37E-02	6.33E-03	1.76E-03	1.02E-01	9.62E-03	3.62E-06	6.94E-05	5.15E-05	9.75E-03	1.17E-02	8.37E-02	6.33E-03	1.76E-03	1.03E-01
1968	494411.06	3859401.99	0.05918	0.10524	0.0328	0.02369	9.68E-03	8.16E-02	6.36E-03	1.74E-03	9.94E-02	9.54E-03	3.54E-06	6.97E-05	5.10E-05	9.66E-03	1.16E-02	8.16E-02	6.36E-03	1.74E-03	1.01E-01
1969	494461.06	3859401.99	0.05875	0.10327	0.0328	0.02349	9.61E-03	8.01E-02	6.37E-03	1.73E-03	9.78E-02	9.47E-03	3.47E-06	6.98E-05	5.06E-05	9.59E-03	1.15E-02	8.01E-02	6.37E-03	1.73E-03	9.97E-02
1970	494511.06	3859401.99	0.05845	0.10191	0.0328	0.0233	9.56E-03	7.91E-02	6.36E-03	1.72E-03	9.67E-02	9.42E-03	3.42E-06	6.97E-05	5.02E-05	9.54E-03	1.14E-02	7.91E-02	6.36E-03	1.72E-03	9.86E-02
1971	494561.06	3859401.99	0.05808	0.10034	0.0328	0.02311	9.50E-03	7.78E-02	6.35E-03	1.70E-03	9.54E-02	9.36E-03	3.37E-06	6.97E-05	4.98E-05	9.48E-03	1.14E-02	7.78E-02	6.35E-03	1.70E-03	9.73E-02
1972	494611.06	3859401.99	0.05762	0.09844	0.0328	0.0229	9.42E-03	7.64E-02	6.36E-03	1.69E-03	9.38E-02	9.28E-03	3.31E-06	6.97E-05	4.93E-05	9.41E-03	1.13E-02	7.64E-02	6.36E-03	1.69E-03	9.57E-02
1973	494661.06	3859401.99	0.05727	0.09706	0.0327	0.02271	9.37E-03	7.53E-02	6.34E-03	1.67E-03	9.27E-02	9.23E-03	3.26E-06	6.95E-05	4.89E-05	9.35E-03	1.12E-02	7.53E-02	6.34E-03	1.67E-03	9.45E-02
1974	494711.06	3859401.99	0.05684	0.09543	0.0327	0.02251	9.30E-03	7.40E-02	6.33E-03	1.66E-03	9.13E-02	9.16E-03	3.21E-06	6.94E-05	4.85E-05	9.28E-03	1.11E-02	7.40E-02	6.33E-03	1.66E-03	9.31E-02
1975	494761.06	3859401.99	0.05611	0.09252	0.0327	0.02229	9.18E-03	7.18E-02	6.34E-03	1.64E-03	8.89E-02	9.04E-03	3.11E-06	6.95E-05	4.80E-05	9.16E-03	1.10E-02	7.18E-02	6.34E-03	1.64E-03	9.07E-02
1976	494811.06	3859401.99	0.05539	0.09042	0.0326	0.02197	9.06E-03	7.01E-02	6.32E-03	1.62E-03	8.71E-02	8.93E-03	3.04E-06	6.93E-05	4.73E-05	9.04E-03	1.08E-02	7.01E-02	6.32E-03	1.62E-03	8.89E-02
1977	494861.06	3859401.99	0.05453	0.08783	0.0324	0.02167	8.92E-03	6.81E-02	6.29E-03	1.60E-03	8.49E-02	8.79E-03	2.95E-06	6.90E-05	4.67E-05	8.91E-03	1.07E-02	6.81E-02	6.29E-03	1.60E-03	8.67E-02
1978	494911.06	3859401.99	0.05402	0.08604	0.0323	0.02147	8.84E-03	6.67E-02	6.27E-03	1.58E-03	8.34E-02	8.70E-03	2.89E-06	6.87E-05	4.62E-05	8.82E-03	1.06E-02	6.67E-02	6.27E-03	1.58E-03	8.52E-02
1979	494961.06	3859401.99	0.05366	0.08523	0.0321	0.02126	8.78E-03	6.61E-02	6.23E-03	1.57E-03	8.27E-02	8.65E-03	2.86E-06	6.83E-05	4.58E-05	8.76E-03	1.05E-02	6.61E-02	6.23E-03	1.57E-03	8.44E-02
1980	495011.06	3859401.99	0.05344	0.08452	0.032	0.0211	8.74E-03	6.56E-02	6.21E-03	1.55E-03	8.21E-02	8.61E-03	2.84E-06	6.81E-05	4.54E-05	8.73E-03	1.05E-02	6.56E-02	6.21E-03	1.55E-03	8.38E-02
1981	495061.06	3859401.99	0.05338	0.08392	0.032	0.02103	8.73E-03	6.51E-02	6.20E-03	1.55E-03	8.16E-02	8.60E-03	2.82E-06	6.79E-05	4.53E-05	8.72E-03	1.04E-02	6.51E-02	6.20E-03	1.55E-03	8.33E-02
1982	495111.06	3859401.99	0.05289	0.08255	0.0318	0.02081	8.65E-03	6.40E-02	6.16E-03	1.53E-03	8.04E-02	8.52E-03	2.77E-06	6.76E-05	4.48E-05	8.64E-03	1.03E-02	6.40E-02	6.16E-03	1.53E-03	8.21E-02
1983	495161.06	3859401.99	0.05268	0.08216	0.0316	0.02063	8.62E-03	6.37E-02	6.13E-03	1.52E-03	8.00E-02	8.49E-03	2.76E-06	6.72E-05	4.44E-05	8.60E-03	1.03E-02	6.37E-02	6.13E-03	1.52E-03	8.17E-02
1984	495211.06	3859401.99	0.05261	0.08185	0.0315	0.02052	8.60E-03	6.35E-02	6.11E-03	1.51E-03	7.97E-02	8.48E-03	2.75E-06	6.70E-05	4.42E-05	8.59E-03	1.03E-02	6.35E-02	6.11E-03	1.51E-03	8.14E-02
1985	495261.06	3859401.99	0.05237	0.08113	0.0314	0.02037	8.57E-03	6.29E-02	6.09E-03	1.50E-03	7.91E-02	8.44E-03	2.73E-06	6.68E-05	4.39E-05	8.55E-03	1.02E-02	6.29E-02	6.09E-03	1.50E-03	8.08E-02
1986	495311.06	3859401.99	0.05211	0.08033	0.0313	0.02022	8.52E-03	6.23E-02	6.06E-03	1.49E-03	7.84E-02	8.40E-03	2.70E-06	6.65E-05	4.35E-05	8.51E-03	1.02E-02	6.23E-02	6.06E-03	1.49E-03	8.01E-02
1987	495361.06	3859401.99	0.05209	0.08014	0.0312	0.02012	8.52E-03	6.22E-02	6.05E-03	1.48E-03	7.82E-02	8.39E-03	2.69E-06	6.63E-05	4.33E-05	8.51E-03	1.02E-02	6.22E-02	6.05E-03	1.48E-03	7.99E-02
1988	495411.06	3859401.99	0.05192	0.07959	0.0311	0.01999	8.49E-03	6.17E-02	6.03E-03	1.47E-03	7.77E-02	8.37E-03	2.67E-06	6.61E-05	4.30E-05	8.48E-03	1.02E-02	6.17E-02	6.03E-03	1.47E-03	7.94E-02
1989	495461.06	3859401.99	0.0516	0.07866	0.031	0.01982	8.44E-03	6.10E-02	6.01E-03	1.46E-03	7.69E-02	8.31E-03	2.64E-06	6.59E-05	4.27E-05	8.43E-03	1.01E-02	6.10E-02	6.01E-03	1.46E-03	7.86E-02
1990	495511.06	3859401.99	0.05111	0.07735	0.0308	0.01962	8.36E-03	6.00E-02	5.97E-03	1.44E-03	7.58E-02	8.24E-03	2.60E-06	6.55E-05	4.22E-05	8.35E-03	1.00E-02	6.00E-02	5.97E-03	1.44E-03	7.74E-02
1991	495561.06	3859401.99	0.05053	0.07587	0.0306	0.0194	8.26E-03	5.89E-02	5.93E-03	1.43E-03	7.45E-02	8.14E-03	2.55E-06	6.51E-05	4.18E-05	8.25E-03	9.89E-03	5.89E-02	5.93E-03	1.43E-03	7.61E-02
1992	495611.06	3859401.99	0.05021	0.07501	0.0305	0.01923	8.21E-03	5.82E-02	5.91E-03	1.42E-03	7.37E-02	8.09E-03	2.52E-06	6.48E-05	4.14E-05	8.20E-03	9.83E-03	5.82E-02	5.91E-03	1.42E-03	7.53E-02
1993	495661.06	3859401.99	0.04996	0.07428	0.0304	0.01909	8.17E-03	5.76E-02	5.89E-03	1.41E-03	7.31E-02	8.05E-03	2.50E-06	6.45E-05	4.11E-05	8.16E-03	9.78E-03	5.76E-02	5.89E-03	1.41E-03	7.47E-02
1994	494311.06	3859451.99	0.0594	0.11191	0.0313	0.02369	9.72E-03	8.68E-02	6.07E-03	1.74E-03	1.04E-01	9.57E-03	3.76E-06	6.66E-05	5.10E-05	9.69E-03	1.16E-02	8.68E-02	6.07E-03	1.74E-03	1.06E-01
1995	494361.06	3859451.99	0.05899	0.10954	0.0315	0.02352	9.65E-03	8.50E-02	6.10E-03	1.73E-03	1.02E-01	9.51E-03	3.68E-06	6.69E-05	5.06E-05	9.63E-03	1.15E-02	8.50E-02	6.10E-03	1.73E-03	1.04E-01
1996	494411.06	3859451.99	0.0584	0.10623	0.0318	0.02332	9.55E-03	8.24E-02	6.17E-03	1.72E-03	9.98E-02	9.41E-03	3.57E-06	6.76E-05	5.02E-05	9.53E-03	1.14E-02	8.24E-02	6.17E-03	1.72E-03	1.02E-01
1997	494461.06	3859451.99	0.05816	0.10508	0.0318	0.02315	9.51E-03	8.15E-02	6.16E-03	1.70E-03	9.89E-02	9.37E-03	3.53E-06	6.75E-05	4.98E-05	9.49E-03	1.14E-02	8.15E-02	6.16E-03	1.70E-03	1.01E-01
1998	494511.06	3859451.99	0.05777	0.10317	0.0318	0.02296	9.45E-03	8.00E-02	6.17E-03	1.69E-03	9.73E-02	9.31E-03	3.47E-06	6.76E-05	4.94E-05	9.43E-03	1.13E-02	8.00E-02	6.17E-03	1.69E-03	9.92E-02
1999	494561.06	3859451.99	0.05744	0.10163	0.0318	0.02278	9.39E-03	7.88E-02	6.17E-03	1.68E-03	9.61E-02	9.26E-03	3.41E-06	6.76E-05	4.90E-05	9.38E-03	1.12E-02	7.88E-02	6.17E-03	1.68E-03	9.79E-02
2000	494611.06	3859451.99	0.05723	0.10067	0.0317	0.02262	9.36E-03	7.81E-02	6.15E-03	1.67E-03	9.53E-02	9.22E-03	3.38E-06	6.75E-05	4.87E-05	9.34E-03	1.12E-02	7.81E-02	6.15E-03	1.67E-03	9.71E-02
2001	494661.06	3859451.99	0.05679	0.09869	0.0318	0.02242	9.29E-03	7.66E-02	6.16E-03	1.65E-03	9.37E-02	9.15E-03	3.32E-06	6.76E-05	4.83E-05	9.27E-03	1.11E-02	7.66E-02	6.16E-03	1.65E-03	9.55E-02
2002	494711.06	3859451.99	0.05633	0.09674	0.0318	0.02222	9.21E-03	7.50E-02	6.17E-03	1.64E-03	9.21E-02	9.08E-03	3.25E-06	6.76E-05	4.78E-05	9.20E-03	1.10E-02	7.50E-02	6.17E-03	1.64E-03	9.39E-02
2003	494761.06	3859451.99	0.05592	0.09511	0.0318	0.02203	9.15E-03	7.38E-02	6.16E-03	1.62E-03	9.07E-02	9.01E-03	3.19E-06	6.76E-05	4.74E-05	9.13E-03	1.09E-02	7.38E-02	6.16E-03	1.62E-03	9.25E-02
2004	494811.06	3859451.99	0.05529	0.09272	0.0318	0.02179	9.04E-03	7.19E-02	6.17E-03	1.60E-03	8.87E-02	8.91E-03	3.11E-06	6.76E-05	4.69E-05	9.03E-03	1.08E-02	7.19E-02	6.17E-03	1.60E-03	9.05E-02
2005	494861.06	3859451.99	0.05475	0.09077	0.0318	0.02157	8.95E-03	7.04E-02	6.16E-03	1.59E-03	8.71E-02	8.82E-03	3.05E-06	6.75E-05	4.64E-05	8.94E-03	1.07E-02	7.04E-02	6.16E-03	1.59E-03	8.89E-02
2006	494911.06	3859451.99	0.05431	0.08928	0.0317	0.02137	8.88E-03	6.93E-02	6.14E-03	1.57E-03	8.58E-02	8.75E-03	3.00E-06	6.73E-05	4.60E-05	8.87E-03	1.06E-02	6.93E-02	6.14E-03	1.57E-03	8.76E-02
2007	494961.06	3859451.99	0.05405	0.08836	0.0315	0.02121	8.84E-03	6.85E-02	6.11E-03	1.56E-03	8.51E-02	8.71E-03	2.97E-06	6.70E-05	4.57E-05	8.82E-03	1.06E-02	6.85E-02	6.11E-03	1.56E-03	8.68E-02
2008	495011.06	3859451.99	0.05371	0.08725	0.0314	0.02103	8.78E-03	6.77E-02	6.09E-03	1.55E-03	8.41E-02	8.65E-03	2.93E-06	6.68E-05	4.53E-05	8.77E-03	1.05E-02	6.77E-02	6.09E-03	1.55E-03	8.58E-02
2009	495061.06	3859451.99	0.05338	0.08615	0.0313	0.02086	8.73E-03	6.68E-02	6.07E-03	1.54E-03	8.32E-02	8.60E-03	2.89E-06	6.65E-05	4.49E-05	8.72E-03	1.04E-02	6.68E-02	6.07E-03	1.54E-03	8.49E-02

2010	495111.06	3859451.99	0.05303	0.08504	0.0312	0.02068	8.67E-03	6.60E-02	6.04E-03	1.52E-03	8.22E-02	8.54E-03	2.86E-06	6.63E-05	4.45E-05	8.66E-03	1.04E-02	6.60E-02	6.04E-03	1.52E-03	8.39E-02
2011	495161.06	3859451.99	0.05286	0.08446	0.031	0.02055	8.65E-03	6.55E-02	6.02E-03	1.51E-03	8.17E-02	8.52E-03	2.84E-06	6.60E-05	4.42E-05	8.63E-03	1.03E-02	6.55E-02	6.02E-03	1.51E-03	8.34E-02
2012	495211.06	3859451.99	0.05275	0.08405	0.0309	0.02043	8.63E-03	6.52E-02	6.00E-03	1.50E-03	8.13E-02	8.50E-03	2.82E-06	6.58E-05	4.40E-05	8.61E-03	1.03E-02	6.52E-02	6.00E-03	1.50E-03	8.30E-02
2013	495261.06	3859451.99	0.05261	0.08358	0.0308	0.02031	8.60E-03	6.48E-02	5.97E-03	1.50E-03	8.09E-02	8.48E-03	2.81E-06	6.55E-05	4.37E-05	8.59E-03	1.03E-02	6.48E-02	5.97E-03	1.50E-03	8.26E-02
2014	495311.06	3859451.99	0.05234	0.08271	0.0307	0.02015	8.56E-03	6.42E-02	5.95E-03	1.48E-03	8.02E-02	8.43E-03	2.78E-06	6.53E-05	4.34E-05	8.55E-03	1.02E-02	6.42E-02	5.95E-03	1.48E-03	8.18E-02
2015	495361.06	3859451.99	0.05212	0.08202	0.0306	0.02001	8.52E-03	6.36E-02	5.93E-03	1.47E-03	7.96E-02	8.40E-03	2.76E-06	6.50E-05	4.31E-05	8.51E-03	1.02E-02	6.36E-02	5.93E-03	1.47E-03	8.12E-02
2016	495411.06	3859451.99	0.05183	0.08113	0.0305	0.01986	8.48E-03	6.29E-02	5.91E-03	1.46E-03	7.88E-02	8.35E-03	2.73E-06	6.48E-05	4.28E-05	8.46E-03	1.01E-02	6.29E-02	5.91E-03	1.46E-03	8.04E-02
2017	495461.06	3859451.99	0.05161	0.08041	0.0304	0.01972	8.44E-03	6.24E-02	5.89E-03	1.45E-03	7.82E-02	8.32E-03	2.70E-06	6.46E-05	4.25E-05	8.43E-03	1.01E-02	6.24E-02	5.89E-03	1.45E-03	7.98E-02
2018	495511.06	3859451.99	0.05107	0.07888	0.0302	0.01951	8.35E-03	6.12E-02	5.86E-03	1.44E-03	7.68E-02	8.23E-03	2.65E-06	6.42E-05	4.20E-05	8.34E-03	9.99E-03	6.12E-02	5.86E-03	1.44E-03	7.85E-02
2019	495561.06	3859451.99	0.05073	0.07789	0.0301	0.01934	8.30E-03	6.04E-02	5.83E-03	1.42E-03	7.60E-02	8.17E-03	2.62E-06	6.40E-05	4.16E-05	8.28E-03	9.93E-03	6.04E-02	5.83E-03	1.42E-03	7.76E-02
2020	495611.06	3859451.99	0.0504	0.07694	0.03	0.01918	8.24E-03	5.97E-02	5.81E-03	1.41E-03	7.51E-02	8.12E-03	2.58E-06	6.37E-05	4.13E-05	8.23E-03	9.86E-03	5.97E-02	5.81E-03	1.41E-03	7.68E-02
2021	495661.06	3859451.99	0.0501	0.07606	0.0298	0.01903	8.19E-03	5.90E-02	5.78E-03	1.40E-03	7.44E-02	8.07E-03	2.55E-06	6.34E-05	4.10E-05	8.18E-03	9.80E-03	5.90E-02	5.78E-03	1.40E-03	7.60E-02
2022	494311.06	3859501.99	0.05864	0.11373	0.0301	0.02327	9.59E-03	8.82E-02	5.83E-03	1.71E-03	1.05E-01	9.45E-03	3.82E-06	6.39E-05	5.01E-05	9.57E-03	1.15E-02	8.82E-02	5.83E-03	1.71E-03	1.07E-01
2023	494361.06	3859501.99	0.05827	0.1113	0.0303	0.02311	9.53E-03	8.63E-02	5.87E-03	1.70E-03	1.03E-01	9.39E-03	3.74E-06	6.44E-05	4.98E-05	9.51E-03	1.14E-02	8.63E-02	5.87E-03	1.70E-03	1.05E-01
2024	494411.06	3859501.99	0.05762	0.10728	0.0308	0.02293	9.42E-03	8.32E-02	5.97E-03	1.69E-03	1.00E-01	9.28E-03	3.60E-06	6.54E-05	4.94E-05	9.40E-03	1.13E-02	8.32E-02	5.97E-03	1.69E-03	1.02E-01
2025	494461.06	3859501.99	0.05755	0.10709	0.0306	0.02277	9.41E-03	8.31E-02	5.93E-03	1.68E-03	1.00E-01	9.27E-03	3.60E-06	6.50E-05	4.90E-05	9.39E-03	1.13E-02	8.31E-02	5.93E-03	1.68E-03	1.02E-01
2026	494511.06	3859501.99	0.05716	0.10488	0.0307	0.0226	9.35E-03	8.14E-02	5.96E-03	1.66E-03	9.83E-02	9.21E-03	3.52E-06	6.53E-05	4.87E-05	9.33E-03	1.12E-02	8.14E-02	5.96E-03	1.66E-03	1.00E-01
2027	494561.06	3859501.99	0.05681	0.10306	0.0308	0.02243	9.29E-03	7.99E-02	5.97E-03	1.65E-03	9.69E-02	9.15E-03	3.46E-06	6.55E-05	4.83E-05	9.27E-03	1.11E-02	7.99E-02	5.97E-03	1.65E-03	9.87E-02
2028	494611.06	3859501.99	0.05677	0.103	0.0306	0.02228	9.29E-03	7.99E-02	5.93E-03	1.64E-03	9.68E-02	9.15E-03	3.46E-06	6.50E-05	4.80E-05	9.26E-03	1.11E-02	7.99E-02	5.93E-03	1.64E-03	9.86E-02
2029	494661.06	3859501.99	0.05632	0.10067	0.0307	0.0221	9.21E-03	7.81E-02	5.96E-03	1.63E-03	9.49E-02	9.07E-03	3.38E-06	6.53E-05	4.76E-05	9.19E-03	1.10E-02	7.81E-02	5.96E-03	1.63E-03	9.67E-02
2030	494711.06	3859501.99	0.05576	0.09799	0.0309	0.0219	9.12E-03	7.60E-02	5.99E-03	1.61E-03	9.27E-02	8.98E-03	3.29E-06	6.57E-05	4.71E-05	9.10E-03	1.09E-02	7.60E-02	5.99E-03	1.61E-03	9.45E-02
2031	494761.06	3859501.99	0.05562	0.09738	0.0308	0.02176	9.10E-03	7.55E-02	5.97E-03	1.60E-03	9.22E-02	8.96E-03	3.27E-06	6.55E-05	4.68E-05	9.08E-03	1.09E-02	7.55E-02	5.97E-03	1.60E-03	9.40E-02
2032	494811.06	3859501.99	0.05486	0.0941	0.031	0.02152	8.97E-03	7.30E-02	6.01E-03	1.58E-03	8.96E-02	8.84E-03	3.16E-06	6.59E-05	4.63E-05	8.96E-03	1.07E-02	7.30E-02	6.01E-03	1.58E-03	9.13E-02
2033	494861.06	3859501.99	0.05452	0.09274	0.031	0.02134	8.92E-03	7.19E-02	6.00E-03	1.57E-03	8.84E-02	8.78E-03	3.12E-06	6.58E-05	4.59E-05	8.90E-03	1.07E-02	7.19E-02	6.00E-03	1.57E-03	9.02E-02
2034	494911.06	3859501.99	0.0543	0.09185	0.0308	0.02119	8.88E-03	7.12E-02	5.98E-03	1.56E-03	8.77E-02	8.75E-03	3.09E-06	6.56E-05	4.56E-05	8.86E-03	1.06E-02	7.13E-02	5.98E-03	1.56E-03	8.94E-02
2035	494961.06	3859501.99	0.05386	0.0902	0.0308	0.021	8.81E-03	7.00E-02	5.97E-03	1.55E-03	8.63E-02	8.68E-03	3.03E-06	6.55E-05	4.52E-05	8.79E-03	1.05E-02	7.00E-02	5.97E-03	1.55E-03	8.80E-02
2036	495011.06	3859501.99	0.05364	0.08938	0.0307	0.02085	8.77E-03	6.93E-02	5.95E-03	1.54E-03	8.56E-02	8.64E-03	3.00E-06	6.53E-05	4.49E-05	8.76E-03	1.05E-02	6.93E-02	5.95E-03	1.54E-03	8.73E-02
2037	495061.06	3859501.99	0.05343	0.08861	0.0306	0.02071	8.74E-03	6.87E-02	5.93E-03	1.52E-03	8.49E-02	8.61E-03	2.98E-06	6.50E-05	4.46E-05	8.72E-03	1.05E-02	6.87E-02	5.93E-03	1.52E-03	8.66E-02
2038	495111.06	3859501.99	0.05299	0.08707	0.0305	0.02052	8.67E-03	6.75E-02	5.92E-03	1.51E-03	8.36E-02	8.54E-03	2.92E-06	6.49E-05	4.42E-05	8.65E-03	1.04E-02	6.75E-02	5.92E-03	1.51E-03	8.53E-02
2039	495161.06	3859501.99	0.0528	0.08638	0.0304	0.02038	8.64E-03	6.70E-02	5.89E-03	1.50E-03	8.30E-02	8.51E-03	2.90E-06	6.46E-05	4.39E-05	8.62E-03	1.03E-02	6.70E-02	5.89E-03	1.50E-03	8.47E-02
2040	495211.06	3859501.99	0.0527	0.08602	0.0303	0.02026	8.62E-03	6.67E-02	5.87E-03	1.49E-03	8.27E-02	8.49E-03	2.89E-06	6.43E-05	4.36E-05	8.60E-03	1.03E-02	6.67E-02	5.87E-03	1.49E-03	8.44E-02
2041	495261.06	3859501.99	0.05249	0.08531	0.0302	0.02013	8.59E-03	6.62E-02	5.85E-03	1.48E-03	8.21E-02	8.46E-03	2.87E-06	6.41E-05	4.33E-05	8.57E-03	1.03E-02	6.62E-02	5.85E-03	1.48E-03	8.38E-02
2042	495311.06	3859501.99	0.05233	0.08476	0.03	0.02	8.56E-03	6.57E-02	5.82E-03	1.47E-03	8.16E-02	8.43E-03	2.85E-06	6.38E-05	4.31E-05	8.54E-03	1.02E-02	6.58E-02	5.82E-03	1.47E-03	8.33E-02
2043	495361.06	3859501.99	0.05209	0.08394	0.0299	0.01986	8.52E-03	6.51E-02	5.80E-03	1.46E-03	8.09E-02	8.39E-03	2.82E-06	6.36E-05	4.28E-05	8.50E-03	1.02E-02	6.51E-02	5.80E-03	1.46E-03	8.26E-02
2044	495411.06	3859501.99	0.05186	0.08323	0.0298	0.01973	8.48E-03	6.46E-02	5.78E-03	1.45E-03	8.03E-02	8.36E-03	2.80E-06	6.34E-05	4.25E-05	8.46E-03	1.01E-02	6.46E-02	5.78E-03	1.45E-03	8.19E-02
2045	495461.06	3859501.99	0.05158	0.08225	0.0297	0.01958	8.44E-03	6.38E-02	5.76E-03	1.44E-03	7.94E-02	8.31E-03	2.76E-06	6.32E-05	4.22E-05	8.42E-03	1.01E-02	6.38E-02	5.76E-03	1.44E-03	8.11E-02
2046	495511.06	3859501.99	0.05102	0.08026	0.0297	0.0194	8.34E-03	6.23E-02	5.75E-03	1.43E-03	7.78E-02	8.22E-03	2.70E-06	6.31E-05	4.18E-05	8.33E-03	9.98E-03	6.23E-02	5.75E-03	1.43E-03	7.94E-02
2047	495561.06	3859501.99	0.05082	0.07987	0.0295	0.01924	8.31E-03	6.20E-02	5.72E-03	1.42E-03	7.74E-02	8.19E-03	2.68E-06	6.28E-05	4.14E-05	8.30E-03	9.94E-03	6.20E-02	5.72E-03	1.42E-03	7.90E-02
2048	495611.06	3859501.99	0.05048	0.07882	0.0294	0.01909	8.26E-03	6.11E-02	5.70E-03	1.41E-03	7.65E-02	8.13E-03	2.65E-06	6.25E-05	4.11E-05	8.24E-03	9.88E-03	6.11E-02	5.70E-03	1.41E-03	7.81E-02
2049	495661.06	3859501.99	0.05009	0.07767	0.0293	0.01892	8.19E-03	6.02E-02	5.68E-03	1.39E-03	7.55E-02	8.07E-03	2.61E-06	6.23E-05	4.07E-05	8.18E-03	9.80E-03	6.03E-02	5.68E-03	1.39E-03	7.71E-02
2050	494311.06	3859551.99	0.05786	0.11526	0.0288	0.02282	9.46E-03	8.94E-02	5.59E-03	1.68E-03	1.06E-01	9.32E-03	3.87E-06	6.13E-05	4.91E-05	9.44E-03	1.13E-02	8.94E-02	5.59E-03	1.68E-03	1.08E-01
2051	494361.06	3859551.99	0.05748	0.11237	0.0291	0.02269	9.40E-03	8.72E-02	5.64E-03	1.67E-03	1.04E-01	9.26E-03	3.77E-06	6.19E-05	4.88E-05	9.38E-03	1.12E-02	8.72E-02	5.64E-03	1.67E-03	1.06E-01
2052	494411.06	3859551.99	0.05686	0.10817	0.0297	0.02253	9.30E-03	8.39E-02	5.76E-03	1.66E-03	1.01E-01	9.16E-03	3.63E-06	6.31E-05	4.85E-05	9.28E-03	1.11E-02	8.39E-02	5.76E-03	1.66E-03	1.02E-01
2053	494461.06	3859551.99	0.05684	0.10862	0.0294	0.02236	9.30E-03	8.43E-02	5.70E-03	1.65E-03	1.01E-01	9.16E-03	3.65E-06	6.25E-05	4.81E-05	9.27E-03	1.11E-02	8.43E-02	5.70E-03	1.65E-03	1.03E-01
2054	494511.06	3859551.99	0.05649	0.1065	0.0296	0.0222	9.24E-03	8.26E-02	5.74E-03	1.63E-03	9.92E-02	9.10E-03	3.58E-06	6.29E-05	4.78E-05	9.22E-03	1.11E-02	8.26E-02	5.74E-03	1.63E-03	1.01E-01
2055	494561.06	3859551.99	0.0562	0.10488	0.0297	0.02205	9.19E-03	8.14E-02	5.75E-03	1.62E-03	9.79E-02	9.06E-03	3.52E-06	6.31E-05	4.75E-05	9.17E-03	1.10E-02	8.14E-02	5.75E-03	1.62E-03	9.97E-02
2056	494611.06	3859551.99	0.05602	0.10395	0.0296	0.02189	9.16E-03	8.06E-02	5.74E-03	1.61E-03	9.71E-02	9.03E-03	3.49E-06	6.30E-05	4.71E-05	9.14E-03	1.10E-02	8.06E-02	5.74E-03	1.61E-03	9.90E-02
2057	494661.06	3859551.99	0.05577	0.10259	0.0296	0.02174	9.12E-03	7.96E-02	5.75E-03	1.60E-03	9.60E-02	8.99E-03	3.45E-06	6.30E-05	4.68E-05	9.10E-03	1.09E-02	7.96E-02	5.75E-03	1.60E-03	9.78E-02
2058	494711.06	3859551.99	0.05502	0.09854	0.0301	0.02154	9.00E-03	7.64E-02	5.83E-03	1.59E-03	9.29E-02	8.87E-03	3.31E-06	6.40E-05	4.64E-05	8.98E-03	1.08E-02	7.64E-02	5.83E-03	1.59E-03	9.46E-02
2059	494761.06	3859551.99	0.05511	0.09911	0.0298	0.02142	9.01E-03	7.69E-02	5.77E-03	1.58E-03	9.32E-02	8.88E-03	3.33E-06	6.33E-05	4.61E-05	8.99E-03	1.08E-02	7.69E-02	5.77E-03	1.58E-03	9.50E-02
2060	494811.06	3859551.99	0.05454	0.09627	0.03	0.02123	8.92E-03	7.47E-02	5.82E-03	1.56E-03	9.10E-02	8.79E-03	3.23E-06	6.38E-05	4.57E-05	8.90E-03	1.07E-02	7.47E-02	5.82E-03	1.56E-03	9.27E-02
2061	494861.06	3859551.99	0.05425	0.09495	0.03	0.02107	8.87E-03	7.37E-02	5.82E-03	1.55E-03	8.99E-02	8.74E-03	3.19E-06	6.38E-05	4.54E-05	8.85E-03	1.06E-02	7.37E-02	5.82E-03	1.55E-03	9.16E-02
2062	494911.06	3859551.99	0.0539	0.09338	0.03	0.0209	8.82E-03	7.24E-02	5.82E-03	1.54E-03	8.86E-02	8.69E-03	3.14E-06	6.38E-05	4.50E-05	8.80E-03	1.05E-02	7.24E-02	5.82E-03	1.54E-03	9.03E-02
2063	494961.06	3859551.99	0.0537	0.09255	0.0299	0.02076	8.78E-03	7.18E-02	5.80E-03	1.53E-03	8.79E-02	8.65E-03	3.11E-06	6.36E-05	4.47E-05	8.76E-03	1.05E-02	7.18E-02	5.80E-03	1.53E-03	8.96E-02
2064	495011.06	3859551.99	0.05354	0.09191	0.0298	0.02063	8.76E-03	7.13E-02	5.78E-03	1.52E-03	8.74E-02	8.63E-03	3.09E-06	6.34E-05	4.44E-05	8.74E-03	1.05E-02	7.13E-02	5.78E-03	1.52E-03	8.91E-02
2065	495061.06	3859551.99	0.05326	0.09075	0.0298	0.02048	8.71E-03	7.04E-02	5.77E-03	1.51E-03	8.64E-02	8.58E-03	3.05E-06	6.33E-05	4.41E-05	8.69E-03	1.04E-02	7.04E-02	5.77E-03	1.51E-03	8.81E-02
2066	495111.06	3859551.99	0.0529	0.08931	0.0297	0.02031	8.65E-03	6.93E-02	5.76E-03	1.50E-03	8.52E-02	8.52E-03	3.00E-06	6.32E-05	4.37E-05	8.63E-03	1.04E-02	6.93E-02	5.76E-03	1.50E-03	8.69E-02
2067	495161.06	3859551.99	0.05275	0.08872	0.0296	0.02018	8.63E-03	6.88E-02	5.74E-03	1.49E-03	8.47E-02	8.50E-03	2.98E-06	6.30E-05	4.34E-05	8.61E-03	1.03E-02	6.88E-02	5.74E-03	1.49E-03	8.64E-02
2068	495211.06	3859551.99	0.05264	0.08835	0.0295	0.02007	8.61E-03	6.85E-02	5.72E-03	1.48E-03	8.43E-02	8.48E-03	2.97E-06	6.27E-05	4.32E-05	8.59E-03	1.03E-02	6.85E-02	5.72E-03	1.48E-03	8.60E-02
2069	495261.06	3859551.99	0.05234	0.0872	0.0294	0.01992	8.56E-03	6.76E-02	5.70E-03	1.47E-03	8.34E-02	8.43E-03	2.93E-06	6.26E-05	4.29E-05	8.54E-03	1.02E-02	6.76E-02	5.70E-03	1.47E-03	8.51E-02
2070	495311.06	3859551.99	0.05209	0.08631	0.0293	0.01978	8.52E-03	6.70E-02	5.69E-03	1.46E-03	8.26E-02	8.39E-03	2.90E-06	6.24E-05	4.26E-05	8.50E-03	1.02E-02	6.70E-02	5.69E-03	1.46E-03	8.43E-02

2071	495361.06	3859551.99	0.05189	0.08559	0.0292	0.01965	8.49E-03	6.64E-02	5.67E-03	1.45E-03	8.20E-02	8.36E-03	2.88E-06	6.21E-05	4.23E-05	8.47E-03	1.02E-02	6.64E-02	5.67E-03	1.45E-03	8.37E-02
2072	495411.06	3859551.99	0.05173	0.08504	0.0291	0.01953	8.46E-03	6.60E-02	5.65E-03	1.44E-03	8.15E-02	8.34E-03	2.86E-06	6.19E-05	4.20E-05	8.44E-03	1.01E-02	6.60E-02	5.65E-03	1.44E-03	8.32E-02
2073	495461.06	3859551.99	0.05134	0.08363	0.0291	0.01937	8.40E-03	6.49E-02	5.64E-03	1.43E-03	8.03E-02	8.27E-03	2.81E-06	6.18E-05	4.17E-05	8.38E-03	1.00E-02	6.49E-02	5.64E-03	1.43E-03	8.20E-02
2074	495511.06	3859551.99	0.05092	0.08218	0.029	0.0192	8.33E-03	6.37E-02	5.63E-03	1.41E-03	7.91E-02	8.20E-03	2.76E-06	6.17E-05	4.13E-05	8.31E-03	9.96E-03	6.38E-02	5.63E-03	1.41E-03	8.08E-02
2075	495561.06	3859551.99	0.05065	0.08131	0.0289	0.01906	8.28E-03	6.31E-02	5.61E-03	1.40E-03	7.84E-02	8.16E-03	2.73E-06	6.15E-05	4.10E-05	8.27E-03	9.91E-03	6.31E-02	5.61E-03	1.40E-03	8.00E-02
2076	495611.06	3859551.99	0.05038	0.0804	0.0288	0.01892	8.24E-03	6.24E-02	5.59E-03	1.39E-03	7.76E-02	8.12E-03	2.70E-06	6.13E-05	4.07E-05	8.22E-03	9.86E-03	6.24E-02	5.59E-03	1.39E-03	7.92E-02
2077	495661.06	3859551.99	0.05003	0.07928	0.0287	0.01877	8.18E-03	6.15E-02	5.57E-03	1.38E-03	7.66E-02	8.06E-03	2.66E-06	6.11E-05	4.04E-05	8.17E-03	9.79E-03	6.15E-02	5.57E-03	1.38E-03	7.82E-02
2078	494311.06	3859601.99	0.05711	0.11715	0.0275	0.02235	9.34E-03	9.09E-02	5.33E-03	1.65E-03	1.07E-01	9.20E-03	3.94E-06	5.84E-05	4.81E-05	9.31E-03	1.12E-02	9.09E-02	5.33E-03	1.65E-03	1.09E-01
2079	494361.06	3859601.99	0.05656	0.11254	0.0281	0.02224	9.25E-03	8.73E-02	5.45E-03	1.64E-03	1.04E-01	9.11E-03	3.78E-06	5.98E-05	4.79E-05	9.23E-03	1.11E-02	8.73E-02	5.45E-03	1.64E-03	1.05E-01
2080	494411.06	3859601.99	0.05616	0.11001	0.0285	0.02209	9.19E-03	8.53E-02	5.52E-03	1.63E-03	1.02E-01	9.05E-03	3.70E-06	6.05E-05	4.76E-05	9.16E-03	1.10E-02	8.53E-02	5.52E-03	1.63E-03	1.03E-01
2081	494461.06	3859601.99	0.05613	0.11019	0.0282	0.02193	9.18E-03	8.55E-02	5.47E-03	1.61E-03	1.02E-01	9.04E-03	3.70E-06	6.00E-05	4.72E-05	9.16E-03	1.10E-02	8.55E-02	5.47E-03	1.61E-03	1.04E-01
2082	494511.06	3859601.99	0.0557	0.10727	0.0286	0.02178	9.11E-03	8.32E-02	5.54E-03	1.60E-03	9.95E-02	8.98E-03	3.60E-06	6.07E-05	4.69E-05	9.09E-03	1.09E-02	8.32E-02	5.54E-03	1.60E-03	1.01E-01
2083	494561.06	3859601.99	0.05561	0.10702	0.0284	0.02163	9.10E-03	8.30E-02	5.51E-03	1.59E-03	9.92E-02	8.96E-03	3.59E-06	6.04E-05	4.66E-05	9.07E-03	1.09E-02	8.30E-02	5.51E-03	1.59E-03	1.01E-01
2084	494611.06	3859601.99	0.05545	0.10619	0.0283	0.02149	9.07E-03	8.24E-02	5.49E-03	1.58E-03	9.85E-02	8.93E-03	3.57E-06	6.02E-05	4.63E-05	9.04E-03	1.09E-02	8.24E-02	5.49E-03	1.58E-03	1.00E-01
2085	494661.06	3859601.99	0.055	0.10298	0.0287	0.02135	9.00E-03	7.99E-02	5.56E-03	1.57E-03	9.60E-02	8.86E-03	3.46E-06	6.10E-05	4.60E-05	8.97E-03	1.08E-02	7.99E-02	5.56E-03	1.57E-03	9.78E-02
2086	494711.06	3859601.99	0.05449	0.10028	0.029	0.02118	8.91E-03	7.78E-02	5.63E-03	1.56E-03	9.39E-02	8.78E-03	3.37E-06	6.17E-05	4.56E-05	8.89E-03	1.07E-02	7.78E-02	5.63E-03	1.56E-03	9.56E-02
2087	494761.06	3859601.99	0.05467	0.10157	0.0286	0.02106	8.94E-03	7.88E-02	5.54E-03	1.55E-03	9.48E-02	8.81E-03	3.41E-06	6.07E-05	4.53E-05	8.92E-03	1.07E-02	7.88E-02	5.54E-03	1.55E-03	9.66E-02
2088	494811.06	3859601.99	0.05415	0.09854	0.0289	0.0209	8.86E-03	7.64E-02	5.61E-03	1.54E-03	9.24E-02	8.73E-03	3.31E-06	6.15E-05	4.50E-05	8.84E-03	1.06E-02	7.64E-02	5.61E-03	1.54E-03	9.42E-02
2089	494861.06	3859601.99	0.05391	0.09736	0.0289	0.02075	8.82E-03	7.55E-02	5.60E-03	1.53E-03	9.15E-02	8.69E-03	3.27E-06	6.14E-05	4.47E-05	8.80E-03	1.05E-02	7.55E-02	5.60E-03	1.53E-03	9.32E-02
2090	494911.06	3859601.99	0.05349	0.0952	0.0291	0.02059	8.75E-03	7.38E-02	5.63E-03	1.52E-03	8.97E-02	8.62E-03	3.20E-06	6.18E-05	4.43E-05	8.73E-03	1.05E-02	7.39E-02	5.63E-03	1.52E-03	9.15E-02
2091	494961.06	3859601.99	0.05351	0.09538	0.0288	0.02048	8.75E-03	7.40E-02	5.59E-03	1.51E-03	8.98E-02	8.62E-03	3.20E-06	6.13E-05	4.41E-05	8.73E-03	1.05E-02	7.40E-02	5.59E-03	1.51E-03	9.16E-02
2092	495011.06	3859601.99	0.05305	0.09313	0.029	0.02031	8.68E-03	7.22E-02	5.62E-03	1.50E-03	8.80E-02	8.55E-03	3.13E-06	6.16E-05	4.37E-05	8.66E-03	1.04E-02	7.22E-02	5.62E-03	1.50E-03	8.97E-02
2093	495061.06	3859601.99	0.05296	0.09282	0.0288	0.02019	8.66E-03	7.20E-02	5.59E-03	1.49E-03	8.77E-02	8.53E-03	3.12E-06	6.13E-05	4.35E-05	8.64E-03	1.04E-02	7.20E-02	5.59E-03	1.49E-03	8.94E-02
2094	495111.06	3859601.99	0.05262	0.09123	0.0289	0.02004	8.61E-03	7.08E-02	5.60E-03	1.48E-03	8.64E-02	8.48E-03	3.06E-06	6.14E-05	4.31E-05	8.59E-03	1.03E-02	7.08E-02	5.60E-03	1.48E-03	8.81E-02
2095	495161.06	3859601.99	0.05248	0.0907	0.0288	0.01992	8.58E-03	7.04E-02	5.58E-03	1.47E-03	8.60E-02	8.46E-03	3.05E-06	6.11E-05	4.29E-05	8.56E-03	1.03E-02	7.04E-02	5.58E-03	1.47E-03	8.77E-02
2096	495211.06	3859601.99	0.05227	0.08981	0.0287	0.01979	8.55E-03	6.97E-02	5.56E-03	1.46E-03	8.52E-02	8.42E-03	3.02E-06	6.10E-05	4.26E-05	8.53E-03	1.02E-02	6.97E-02	5.56E-03	1.46E-03	8.69E-02
2097	495261.06	3859601.99	0.0521	0.08913	0.0286	0.01966	8.52E-03	6.91E-02	5.55E-03	1.45E-03	8.47E-02	8.39E-03	2.99E-06	6.08E-05	4.23E-05	8.50E-03	1.02E-02	6.91E-02	5.55E-03	1.45E-03	8.63E-02
2098	495311.06	3859601.99	0.05194	0.08853	0.0285	0.01954	8.50E-03	6.87E-02	5.52E-03	1.44E-03	8.41E-02	8.37E-03	2.97E-06	6.06E-05	4.21E-05	8.47E-03	1.02E-02	6.87E-02	5.52E-03	1.44E-03	8.58E-02
2099	495361.06	3859601.99	0.05169	0.08755	0.0284	0.01941	8.45E-03	6.79E-02	5.51E-03	1.43E-03	8.33E-02	8.33E-03	2.94E-06	6.05E-05	4.18E-05	8.43E-03	1.01E-02	6.79E-02	5.51E-03	1.43E-03	8.50E-02
2100	495411.06	3859601.99	0.05152	0.08691	0.0283	0.01929	8.43E-03	6.74E-02	5.50E-03	1.42E-03	8.28E-02	8.30E-03	2.92E-06	6.03E-05	4.15E-05	8.41E-03	1.01E-02	6.74E-02	5.50E-03	1.42E-03	8.44E-02
2101	495461.06	3859601.99	0.05108	0.08515	0.0284	0.01913	8.35E-03	6.61E-02	5.50E-03	1.41E-03	8.13E-02	8.23E-03	2.86E-06	6.03E-05	4.12E-05	8.33E-03	1.00E-02	6.61E-02	5.50E-03	1.41E-03	8.30E-02
2102	495511.06	3859601.99	0.05067	0.0836	0.0284	0.01897	8.29E-03	6.48E-02	5.50E-03	1.40E-03	8.00E-02	8.16E-03	2.81E-06	6.03E-05	4.08E-05	8.27E-03	9.92E-03	6.49E-02	5.50E-03	1.40E-03	8.17E-02
2103	495561.06	3859601.99	0.05057	0.08326	0.0282	0.01887	8.27E-03	6.46E-02	5.48E-03	1.39E-03	7.97E-02	8.15E-03	2.80E-06	6.00E-05	4.06E-05	8.25E-03	9.90E-03	6.46E-02	5.48E-03	1.39E-03	8.13E-02
2104	495611.06	3859601.99	0.05009	0.08152	0.0282	0.0187	8.19E-03	6.32E-02	5.47E-03	1.38E-03	7.83E-02	8.07E-03	2.74E-06	6.00E-05	4.03E-05	8.17E-03	9.80E-03	6.32E-02	5.47E-03	1.38E-03	7.99E-02
2105	495661.06	3859601.99	0.04991	0.0809	0.0281	0.01859	8.16E-03	6.28E-02	5.45E-03	1.37E-03	7.77E-02	8.04E-03	2.72E-06	5.98E-05	4.00E-05	8.14E-03	9.77E-03	6.28E-02	5.45E-03	1.37E-03	7.93E-02
2106	494311.06	3859651.99	0.05626	0.11761	0.0264	0.02189	9.20E-03	9.12E-02	5.12E-03	1.61E-03	1.07E-01	9.07E-03	3.95E-06	5.61E-05	4.71E-05	9.17E-03	1.10E-02	9.12E-02	5.12E-03	1.61E-03	1.09E-01
2107	494361.06	3859651.99	0.05575	0.11344	0.027	0.02178	9.12E-03	8.80E-02	5.24E-03	1.60E-03	1.04E-01	8.98E-03	3.81E-06	5.74E-05	4.69E-05	9.09E-03	1.09E-02	8.80E-02	5.24E-03	1.60E-03	1.06E-01
2108	494411.06	3859651.99	0.0555	0.11184	0.0271	0.02164	9.08E-03	8.68E-02	5.26E-03	1.59E-03	1.03E-01	8.94E-03	3.76E-06	5.77E-05	4.66E-05	9.05E-03	1.09E-02	8.68E-02	5.26E-03	1.59E-03	1.04E-01
2109	494461.06	3859651.99	0.05543	0.11188	0.0269	0.02147	9.07E-03	8.68E-02	5.22E-03	1.58E-03	1.03E-01	8.93E-03	3.76E-06	5.72E-05	4.62E-05	9.04E-03	1.08E-02	8.68E-02	5.22E-03	1.58E-03	1.04E-01
2110	494511.06	3859651.99	0.05517	0.11011	0.0271	0.02133	9.02E-03	8.54E-02	5.25E-03	1.57E-03	1.01E-01	8.89E-03	3.70E-06	5.76E-05	4.59E-05	9.00E-03	1.08E-02	8.54E-02	5.25E-03	1.57E-03	1.03E-01
2111	494561.06	3859651.99	0.05497	0.10901	0.0271	0.02119	8.99E-03	8.46E-02	5.25E-03	1.56E-03	1.00E-01	8.86E-03	3.66E-06	5.76E-05	4.56E-05	8.96E-03	1.08E-02	8.46E-02	5.25E-03	1.56E-03	1.02E-01
2112	494611.06	3859651.99	0.05477	0.10781	0.0271	0.02105	8.96E-03	8.36E-02	5.26E-03	1.55E-03	9.94E-02	8.83E-03	3.62E-06	5.77E-05	4.53E-05	8.93E-03	1.07E-02	8.36E-02	5.26E-03	1.55E-03	1.01E-01
2113	494661.06	3859651.99	0.05431	0.10424	0.0276	0.02094	8.88E-03	8.09E-02	5.35E-03	1.54E-03	9.66E-02	8.75E-03	3.50E-06	5.87E-05	4.51E-05	8.86E-03	1.06E-02	8.09E-02	5.35E-03	1.54E-03	9.84E-02
2114	494711.06	3859651.99	0.05413	0.10321	0.0276	0.0208	8.85E-03	8.01E-02	5.35E-03	1.53E-03	9.58E-02	8.72E-03	3.47E-06	5.87E-05	4.48E-05	8.83E-03	1.06E-02	8.01E-02	5.35E-03	1.53E-03	9.75E-02
2115	494761.06	3859651.99	0.05396	0.10256	0.0276	0.02065	8.83E-03	7.96E-02	5.34E-03	1.52E-03	9.52E-02	8.69E-03	3.45E-06	5.86E-05	4.45E-05	8.80E-03	1.06E-02	7.96E-02	5.34E-03	1.52E-03	9.70E-02
2116	494811.06	3859651.99	0.05363	0.10056	0.0278	0.02052	8.77E-03	7.80E-02	5.38E-03	1.51E-03	9.37E-02	8.64E-03	3.38E-06	5.90E-05	4.42E-05	8.75E-03	1.05E-02	7.80E-02	5.38E-03	1.51E-03	9.54E-02
2117	494861.06	3859651.99	0.05345	0.0996	0.0277	0.02038	8.74E-03	7.73E-02	5.38E-03	1.50E-03	9.29E-02	8.61E-03	3.35E-06	5.90E-05	4.39E-05	8.72E-03	1.05E-02	7.73E-02	5.38E-03	1.50E-03	9.46E-02
2118	494911.06	3859651.99	0.0532	0.09817	0.0278	0.02025	8.70E-03	7.62E-02	5.39E-03	1.49E-03	9.17E-02	8.57E-03	3.30E-06	5.91E-05	4.36E-05	8.68E-03	1.04E-02	7.62E-02	5.39E-03	1.49E-03	9.34E-02
2119	494961.06	3859651.99	0.053	0.09712	0.0278	0.02012	8.67E-03	7.53E-02	5.39E-03	1.48E-03	9.09E-02	8.54E-03	3.26E-06	5.91E-05	4.33E-05	8.65E-03	1.04E-02	7.53E-02	5.39E-03	1.48E-03	9.26E-02
2120	495011.06	3859651.99	0.05276	0.09582	0.0278	0.01999	8.63E-03	7.43E-02	5.39E-03	1.47E-03	8.98E-02	8.50E-03	3.22E-06	5.92E-05	4.30E-05	8.61E-03	1.03E-02	7.43E-02	5.39E-03	1.47E-03	9.15E-02
2121	495061.06	3859651.99	0.0526	0.09506	0.0278	0.01986	8.60E-03	7.37E-02	5.38E-03	1.46E-03	8.92E-02	8.48E-03	3.19E-06	5.90E-05	4.28E-05	8.58E-03	1.03E-02	7.37E-02	5.38E-03	1.46E-03	9.09E-02
2122	495111.06	3859651.99	0.05233	0.09367	0.0278	0.01973	8.56E-03	7.27E-02	5.39E-03	1.45E-03	8.81E-02	8.43E-03	3.15E-06	5.91E-05	4.25E-05	8.54E-03	1.02E-02	7.27E-02	5.39E-03	1.45E-03	8.97E-02
2123	495161.06	3859651.99	0.05213	0.09271	0.0278	0.01961	8.53E-03	7.19E-02	5.39E-03	1.44E-03	8.73E-02	8.40E-03	3.11E-06	5.91E-05	4.22E-05	8.50E-03	1.02E-02	7.19E-02	5.39E-03	1.44E-03	8.90E-02
2124	495211.06	3859651.99	0.05197	0.09199	0.0277	0.01949	8.50E-03	7.14E-02	5.37E-03	1.43E-03	8.67E-02	8.37E-03	3.09E-06	5.89E-05	4.20E-05	8.48E-03	1.02E-02	7.14E-02	5.37E-03	1.43E-03	8.83E-02
2125	495261.06	3859651.99	0.05175	0.09098	0.0277	0.01936	8.46E-03	7.06E-02	5.37E-03	1.43E-03	8.58E-02	8.34E-03	3.06E-06	5.89E-05	4.17E-05	8.44E-03	1.01E-02	7.06E-02	5.37E-03	1.43E-03	8.75E-02
2126	495311.06	3859651.99	0.05156	0.09016	0.0276	0.01924	8.43E-03	6.99E-02	5.36E-03	1.42E-03	8.51E-02	8.31E-03	3.03E-06	5.87E-05	4.14E-05	8.41E-03	1.01E-02	6.99E-02	5.36E-03	1.42E-03	8.68E-02
2127	495361.06	3859651.99	0.05138	0.08944	0.0276	0.01913	8.40E-03	6.94E-02	5.34E-03	1.41E-03	8.45E-02	8.28E-03	3.00E-06	5.86E-05	4.12E-05	8.38E-03	1.01E-02	6.94E-02	5.34E-03	1.41E-03	8.62E-02
2128	495411.06	3859651.99	0.05116	0.08847	0.0275	0.01901	8.37E-03	6.86E-02	5.34E-03	1.40E-03	8.37E-02	8.24E-03	2.97E-06	5.85E-05	4.09E-05	8.35E-03	1.00E-02	6.86E-02	5.34E-03	1.40E-03	8.54E-02
2129	495461.06	3859651.99	0.05078	0.08676	0.0276	0.01887	8.31E-03	6.73E-02	5.35E-03	1.39E-03	8.23E-02	8.18E-03	2.91E-06	5.87E-05	4.06E-05	8.28E-03	9.94E-03	6.73E-02	5.35E-03	1.39E-03	8.40E-02
2130	495511.06	3859651.99	0.05044	0.0853	0.0276	0.01873	8.25E-03	6.62E-02	5.36E-03	1.38E-03	8.12E-02	8.13E-03	2.87E-06	5.87E-05	4.03E-05	8.23E-03	9.87E-03	6.62E-02	5.36E-03	1.38E-03	8.28E-02
2131	495561.06	3859651.99	0.05025	0.08459	0.0275	0.01862	8.22E-03	6.56E-02	5.34E-03	1.37E-03	8.05E-02	8.10E-03	2.84E-06	5.86E-05	4.01E-05	8.20E-03	9.83E-03	6.56E-02	5.34E-03	1.37E-03	8.22E-02

2132	495611.06	3859651.99	0.04998	0.08355	0.0275	0.01849	8.17E-03	6.48E-02	5.33E-03	1.36E-03	7.97E-02	8.05E-03	2.81E-06	5.85E-05	3.98E-05	8.15E-03	9.78E-03	6.48E-02	5.33E-03	1.36E-03	8.13E-02
2133	495661.06	3859651.99	0.04968	0.0824	0.0275	0.01836	8.13E-03	6.39E-02	5.33E-03	1.35E-03	7.87E-02	8.01E-03	2.77E-06	5.84E-05	3.95E-05	8.11E-03	9.72E-03	6.39E-02	5.33E-03	1.35E-03	8.03E-02
2134	494311.06	3859701.99	0.05522	0.11551	0.0257	0.02147	9.03E-03	8.96E-02	4.99E-03	1.58E-03	1.05E-01	8.90E-03	3.88E-06	5.47E-05	4.62E-05	9.00E-03	1.08E-02	8.96E-02	4.99E-03	1.58E-03	1.07E-01
2135	494361.06	3859701.99	0.05493	0.11366	0.026	0.02133	8.98E-03	8.82E-02	5.03E-03	1.57E-03	1.04E-01	8.85E-03	3.82E-06	5.52E-05	4.59E-05	8.96E-03	1.07E-02	8.82E-02	5.03E-03	1.57E-03	1.06E-01
2136	494411.06	3859701.99	0.05475	0.11278	0.026	0.02118	8.95E-03	8.75E-02	5.03E-03	1.56E-03	1.03E-01	8.82E-03	3.79E-06	5.52E-05	4.56E-05	8.93E-03	1.07E-02	8.75E-02	5.03E-03	1.56E-03	1.05E-01
2137	494461.06	3859701.99	0.05472	0.11339	0.0257	0.02101	8.95E-03	8.80E-02	4.97E-03	1.55E-03	1.03E-01	8.82E-03	3.81E-06	5.45E-05	4.52E-05	8.92E-03	1.07E-02	8.80E-02	4.97E-03	1.55E-03	1.05E-01
2138	494511.06	3859701.99	0.05449	0.11188	0.0258	0.02087	8.91E-03	8.68E-02	5.00E-03	1.54E-03	1.02E-01	8.78E-03	3.76E-06	5.48E-05	4.49E-05	8.88E-03	1.07E-02	8.68E-02	5.00E-03	1.54E-03	1.04E-01
2139	494561.06	3859701.99	0.05431	0.11086	0.0258	0.02073	8.88E-03	8.60E-02	5.00E-03	1.53E-03	1.01E-01	8.75E-03	3.72E-06	5.48E-05	4.46E-05	8.85E-03	1.06E-02	8.60E-02	5.00E-03	1.53E-03	1.03E-01
2140	494611.06	3859701.99	0.05412	0.10974	0.0258	0.0206	8.85E-03	8.51E-02	5.01E-03	1.52E-03	1.01E-01	8.72E-03	3.69E-06	5.49E-05	4.43E-05	8.82E-03	1.06E-02	8.51E-02	5.01E-03	1.52E-03	1.02E-01
2141	494661.06	3859701.99	0.05363	0.10583	0.0264	0.0205	8.77E-03	8.21E-02	5.12E-03	1.51E-03	9.75E-02	8.64E-03	3.55E-06	5.62E-05	4.41E-05	8.75E-03	1.05E-02	8.21E-02	5.12E-03	1.51E-03	9.92E-02
2142	494711.06	3859701.99	0.05353	0.10547	0.0263	0.02036	8.76E-03	8.18E-02	5.10E-03	1.50E-03	9.72E-02	8.63E-03	3.54E-06	5.59E-05	4.38E-05	8.73E-03	1.05E-02	8.18E-02	5.10E-03	1.50E-03	9.89E-02
2143	494761.06	3859701.99	0.05326	0.10369	0.0265	0.02024	8.71E-03	8.04E-02	5.13E-03	1.49E-03	9.58E-02	8.58E-03	3.48E-06	5.63E-05	4.36E-05	8.69E-03	1.04E-02	8.04E-02	5.13E-03	1.49E-03	9.75E-02
2144	494811.06	3859701.99	0.05299	0.10188	0.0266	0.02011	8.67E-03	7.90E-02	5.17E-03	1.48E-03	9.43E-02	8.54E-03	3.42E-06	5.66E-05	4.33E-05	8.64E-03	1.04E-02	7.90E-02	5.17E-03	1.48E-03	9.60E-02
2145	494861.06	3859701.99	0.05291	0.10169	0.0265	0.01998	8.65E-03	7.89E-02	5.13E-03	1.47E-03	9.41E-02	8.53E-03	3.42E-06	5.63E-05	4.30E-05	8.63E-03	1.04E-02	7.89E-02	5.13E-03	1.47E-03	9.58E-02
2146	494911.06	3859701.99	0.05268	0.10023	0.0266	0.01986	8.62E-03	7.77E-02	5.15E-03	1.46E-03	9.30E-02	8.49E-03	3.37E-06	5.65E-05	4.28E-05	8.59E-03	1.03E-02	7.78E-02	5.15E-03	1.46E-03	9.47E-02
2147	494961.06	3859701.99	0.05245	0.09885	0.0267	0.01974	8.58E-03	7.67E-02	5.17E-03	1.45E-03	9.19E-02	8.45E-03	3.32E-06	5.67E-05	4.25E-05	8.55E-03	1.03E-02	7.67E-02	5.17E-03	1.45E-03	9.36E-02
2148	495011.06	3859701.99	0.0523	0.09809	0.0266	0.01961	8.55E-03	7.61E-02	5.16E-03	1.44E-03	9.12E-02	8.43E-03	3.29E-06	5.66E-05	4.22E-05	8.53E-03	1.02E-02	7.61E-02	5.16E-03	1.44E-03	9.29E-02
2149	495061.06	3859701.99	0.0521	0.09697	0.0267	0.01949	8.52E-03	7.52E-02	5.17E-03	1.43E-03	9.03E-02	8.39E-03	3.26E-06	5.67E-05	4.20E-05	8.50E-03	1.02E-02	7.52E-02	5.17E-03	1.43E-03	9.20E-02
2150	495111.06	3859701.99	0.0519	0.09583	0.0267	0.01938	8.49E-03	7.43E-02	5.17E-03	1.43E-03	8.94E-02	8.36E-03	3.22E-06	5.67E-05	4.17E-05	8.46E-03	1.02E-02	7.43E-02	5.17E-03	1.43E-03	9.11E-02
2151	495161.06	3859701.99	0.05167	0.09458	0.0267	0.01926	8.45E-03	7.34E-02	5.18E-03	1.42E-03	8.84E-02	8.33E-03	3.18E-06	5.68E-05	4.15E-05	8.43E-03	1.01E-02	7.34E-02	5.18E-03	1.42E-03	9.01E-02
2152	495211.06	3859701.99	0.05143	0.09328	0.0268	0.01914	8.41E-03	7.24E-02	5.19E-03	1.41E-03	8.74E-02	8.29E-03	3.13E-06	5.70E-05	4.12E-05	8.39E-03	1.01E-02	7.24E-02	5.19E-03	1.41E-03	8.90E-02
2153	495261.06	3859701.99	0.05134	0.09297	0.0267	0.01903	8.40E-03	7.21E-02	5.17E-03	1.40E-03	8.71E-02	8.27E-03	3.12E-06	5.67E-05	4.10E-05	8.37E-03	1.00E-02	7.21E-02	5.17E-03	1.40E-03	8.87E-02
2154	495311.06	3859701.99	0.05111	0.0918	0.0267	0.01891	8.36E-03	7.12E-02	5.17E-03	1.39E-03	8.61E-02	8.24E-03	3.08E-06	5.67E-05	4.07E-05	8.34E-03	1.00E-02	7.12E-02	5.17E-03	1.39E-03	8.78E-02
2155	495361.06	3859701.99	0.05089	0.09068	0.0267	0.0188	8.32E-03	7.03E-02	5.18E-03	1.38E-03	8.52E-02	8.20E-03	3.05E-06	5.67E-05	4.05E-05	8.30E-03	9.96E-03	7.03E-02	5.18E-03	1.38E-03	8.69E-02
2156	495411.06	3859701.99	0.05061	0.08924	0.0268	0.01868	8.28E-03	6.92E-02	5.19E-03	1.38E-03	8.41E-02	8.15E-03	3.00E-06	5.69E-05	4.02E-05	8.25E-03	9.90E-03	6.92E-02	5.19E-03	1.38E-03	8.57E-02
2157	495461.06	3859701.99	0.05037	0.08812	0.0268	0.01856	8.24E-03	6.84E-02	5.19E-03	1.37E-03	8.32E-02	8.12E-03	2.96E-06	5.69E-05	4.00E-05	8.22E-03	9.86E-03	6.84E-02	5.19E-03	1.37E-03	8.48E-02
2158	495511.06	3859701.99	0.04995	0.08609	0.0269	0.01843	8.17E-03	6.68E-02	5.22E-03	1.36E-03	8.15E-02	8.05E-03	2.89E-06	5.72E-05	3.97E-05	8.15E-03	9.77E-03	6.68E-02	5.22E-03	1.36E-03	8.31E-02
2159	495561.06	3859701.99	0.0499	0.08605	0.0268	0.01834	8.16E-03	6.67E-02	5.19E-03	1.35E-03	8.14E-02	8.04E-03	2.89E-06	5.69E-05	3.95E-05	8.14E-03	9.76E-03	6.68E-02	5.19E-03	1.35E-03	8.31E-02
2160	495611.06	3859701.99	0.04967	0.08507	0.0267	0.01822	8.12E-03	6.60E-02	5.18E-03	1.34E-03	8.06E-02	8.00E-03	2.86E-06	5.68E-05	3.92E-05	8.10E-03	9.72E-03	6.60E-02	5.18E-03	1.34E-03	8.22E-02
2161	495661.06	3859701.99	0.04941	0.08398	0.0267	0.01811	8.08E-03	6.51E-02	5.18E-03	1.33E-03	7.97E-02	7.96E-03	2.82E-06	5.68E-05	3.90E-05	8.06E-03	9.67E-03	6.51E-02	5.18E-03	1.33E-03	8.13E-02
2162	494311.06	3859751.99	0.05458	0.11765	0.0244	0.02097	8.93E-03	9.13E-02	4.72E-03	1.54E-03	1.06E-01	8.79E-03	3.95E-06	5.18E-05	4.51E-05	8.90E-03	1.07E-02	9.13E-02	4.72E-03	1.54E-03	1.08E-01
2163	494361.06	3859751.99	0.05434	0.1161	0.0245	0.02083	8.89E-03	9.01E-02	4.75E-03	1.53E-03	1.05E-01	8.76E-03	3.90E-06	5.20E-05	4.48E-05	8.86E-03	1.06E-02	9.01E-02	4.75E-03	1.53E-03	1.07E-01
2164	494411.06	3859751.99	0.05407	0.11419	0.0247	0.02071	8.84E-03	8.86E-02	4.78E-03	1.52E-03	1.04E-01	8.71E-03	3.84E-06	5.25E-05	4.46E-05	8.81E-03	1.06E-02	8.86E-02	4.78E-03	1.52E-03	1.05E-01
2165	494461.06	3859751.99	0.05399	0.11436	0.0245	0.02054	8.83E-03	8.87E-02	4.75E-03	1.51E-03	1.04E-01	8.70E-03	3.84E-06	5.21E-05	4.42E-05	8.80E-03	1.06E-02	8.87E-02	4.75E-03	1.51E-03	1.06E-01
2166	494511.06	3859751.99	0.05385	0.11388	0.0244	0.02039	8.81E-03	8.83E-02	4.74E-03	1.50E-03	1.03E-01	8.68E-03	3.83E-06	5.19E-05	4.39E-05	8.78E-03	1.05E-02	8.83E-02	4.74E-03	1.50E-03	1.05E-01
2167	494561.06	3859751.99	0.05363	0.11246	0.0245	0.02026	8.77E-03	8.72E-02	4.76E-03	1.49E-03	1.02E-01	8.64E-03	3.78E-06	5.22E-05	4.36E-05	8.74E-03	1.05E-02	8.72E-02	4.76E-03	1.49E-03	1.04E-01
2168	494611.06	3859751.99	0.05337	0.11059	0.0247	0.02015	8.73E-03	8.58E-02	4.79E-03	1.48E-03	1.01E-01	8.60E-03	3.71E-06	5.26E-05	4.34E-05	8.70E-03	1.04E-02	8.58E-02	4.79E-03	1.48E-03	1.03E-01
2169	494661.06	3859751.99	0.05303	0.10762	0.0251	0.02006	8.67E-03	8.35E-02	4.86E-03	1.48E-03	9.85E-02	8.54E-03	3.62E-06	5.33E-05	4.32E-05	8.64E-03	1.04E-02	8.35E-02	4.86E-03	1.48E-03	1.00E-01
2170	494711.06	3859751.99	0.0529	0.10727	0.025	0.01991	8.65E-03	8.32E-02	4.85E-03	1.47E-03	9.82E-02	8.52E-03	3.60E-06	5.32E-05	4.29E-05	8.62E-03	1.04E-02	8.32E-02	4.85E-03	1.47E-03	9.99E-02
2171	494761.06	3859751.99	0.05273	0.10631	0.025	0.01979	8.62E-03	8.25E-02	4.86E-03	1.46E-03	9.74E-02	8.50E-03	3.57E-06	5.32E-05	4.26E-05	8.60E-03	1.03E-02	8.25E-02	4.86E-03	1.46E-03	9.91E-02
2172	494811.06	3859751.99	0.0525	0.1047	0.0252	0.01967	8.59E-03	8.12E-02	4.88E-03	1.45E-03	9.61E-02	8.46E-03	3.52E-06	5.36E-05	4.23E-05	8.56E-03	1.03E-02	8.12E-02	4.88E-03	1.45E-03	9.78E-02
2173	494861.06	3859751.99	0.05232	0.10359	0.0252	0.01955	8.56E-03	8.04E-02	4.89E-03	1.44E-03	9.52E-02	8.43E-03	3.48E-06	5.37E-05	4.21E-05	8.53E-03	1.02E-02	8.04E-02	4.89E-03	1.44E-03	9.69E-02
2174	494911.06	3859751.99	0.05213	0.10244	0.0253	0.01944	8.53E-03	7.95E-02	4.90E-03	1.43E-03	9.43E-02	8.40E-03	3.44E-06	5.38E-05	4.18E-05	8.50E-03	1.02E-02	7.95E-02	4.90E-03	1.43E-03	9.60E-02
2175	494961.06	3859751.99	0.05195	0.10132	0.0253	0.01932	8.50E-03	7.86E-02	4.91E-03	1.42E-03	9.34E-02	8.37E-03	3.40E-06	5.39E-05	4.16E-05	8.47E-03	1.02E-02	7.86E-02	4.91E-03	1.42E-03	9.51E-02
2176	495011.06	3859751.99	0.05175	0.10008	0.0254	0.01921	8.46E-03	7.76E-02	4.93E-03	1.41E-03	9.24E-02	8.34E-03	3.36E-06	5.40E-05	4.14E-05	8.44E-03	1.01E-02	7.76E-02	4.93E-03	1.41E-03	9.41E-02
2177	495061.06	3859751.99	0.0516	0.09927	0.0254	0.01909	8.44E-03	7.70E-02	4.92E-03	1.41E-03	9.18E-02	8.31E-03	3.33E-06	5.40E-05	4.11E-05	8.41E-03	1.01E-02	7.70E-02	4.92E-03	1.41E-03	9.34E-02
2178	495111.06	3859751.99	0.05141	0.09809	0.0255	0.01898	8.41E-03	7.61E-02	4.93E-03	1.40E-03	9.08E-02	8.28E-03	3.29E-06	5.41E-05	4.09E-05	8.38E-03	1.01E-02	7.61E-02	4.93E-03	1.40E-03	9.25E-02
2179	495161.06	3859751.99	0.0512	0.09678	0.0255	0.01887	8.37E-03	7.51E-02	4.95E-03	1.39E-03	8.98E-02	8.25E-03	3.25E-06	5.43E-05	4.06E-05	8.35E-03	1.00E-02	7.51E-02	4.95E-03	1.39E-03	9.14E-02
2180	495211.06	3859751.99	0.05097	0.09542	0.0256	0.01877	8.34E-03	7.40E-02	4.97E-03	1.38E-03	8.87E-02	8.21E-03	3.21E-06	5.45E-05	4.04E-05	8.31E-03	9.97E-03	7.40E-02	4.97E-03	1.38E-03	9.03E-02
2181	495261.06	3859751.99	0.05081	0.09458	0.0256	0.01866	8.31E-03	7.34E-02	4.97E-03	1.37E-03	8.80E-02	8.19E-03	3.18E-06	5.45E-05	4.02E-05	8.28E-03	9.94E-03	7.34E-02	4.97E-03	1.37E-03	8.97E-02
2182	495311.06	3859751.99	0.05061	0.09341	0.0257	0.01855	8.28E-03	7.25E-02	4.98E-03	1.37E-03	8.71E-02	8.15E-03	3.14E-06	5.46E-05	3.99E-05	8.25E-03	9.90E-03	7.25E-02	4.98E-03	1.37E-03	8.87E-02
2183	495361.06	3859751.99	0.05041	0.09236	0.0257	0.01845	8.25E-03	7.16E-02	4.98E-03	1.36E-03	8.62E-02	8.12E-03	3.10E-06	5.46E-05	3.97E-05	8.22E-03	9.86E-03	7.16E-02	4.98E-03	1.36E-03	8.78E-02
2184	495411.06	3859751.99	0.05022	0.09135	0.0257	0.01834	8.21E-03	7.09E-02	4.98E-03	1.35E-03	8.54E-02	8.09E-03	3.07E-06	5.46E-05	3.95E-05	8.19E-03	9.83E-03	7.09E-02	4.98E-03	1.35E-03	8.70E-02
2185	495461.06	3859751.99	0.04995	0.08985	0.0258	0.01824	8.17E-03	6.97E-02	5.00E-03	1.34E-03	8.42E-02	8.05E-03	3.02E-06	5.49E-05	3.93E-05	8.15E-03	9.77E-03	6.97E-02	5.00E-03	1.34E-03	8.58E-02
2186	495511.06	3859751.99	0.04967	0.08835	0.0259	0.01813	8.12E-03	6.85E-02	5.03E-03	1.33E-03	8.30E-02	8.00E-03	2.97E-06	5.51E-05	3.90E-05	8.10E-03	9.72E-03	6.85E-02	5.03E-03	1.33E-03	8.46E-02
2187	495561.06	3859751.99	0.04946	0.08731	0.0259	0.01803	8.09E-03	6.77E-02	5.03E-03	1.33E-03	8.22E-02	7.97E-03	2.93E-06	5.51E-05	3.88E-05	8.07E-03	9.68E-03	6.77E-02	5.03E-03	1.33E-03	8.38E-02
2188	495611.06	3859751.99	0.04925	0.08633	0.0259	0.01792	8.06E-03	6.70E-02	5.03E-03	1.32E-03	8.14E-02	7.94E-03	2.90E-06	5.51E-05	3.86E-05	8.03E-03	9.64E-03	6.70E-02	5.03E-03	1.32E-03	8.30E-02
2189	495661.06	3859751.99	0.04908	0.08563	0.0259	0.01782	8.03E-03	6.64E-02	5.02E-03	1.31E-03	8.08E-02	7.91E-03	2.88E-06	5.50E-05	3.84E-05	8.00E-03	9.60E-03	6.64E-02	5.02E-03	1.31E-03	8.24E-02
2190	494311.06	3859801.99	0.05395	0.11968	0.023	0.02046	8.82E-03	9.28E-02	4.47E-03	1.51E-03	1.08E-01	8.69E-03	4.02E-06	4.90E-05	4.40E-05	8.79E-03	1.06E-02	9.28E-02	4.47E-03	1.51E-03	1.09E-01
2191	494361.06	3859801.99	0.05367	0.11747	0.0233	0.02035	8.78E-03	9.11E-02	4.51E-03	1.50E-03	1.06E-01	8.65E-03	3.95E-06	4.94E-05	4.38E-05	8.75E-03	1.05E-02	9.11E-02	4.51E-03	1.50E-03	1.08E-01
2192	494411.06	3859801.99	0.05337	0.11515	0.0235	0.02024	8.73E-03	8.93E-02	4.56E-03	1.49E-03	1.04E-01	8.60E-03	3.87E-06	5.00E-05	4.36E-05	8.70E-03	1.04E-02	8.93E-02	4.56E-03	1.49E-03	1.06E-01

2193	494461.06	3859801.99	0.05326	0.11514	0.0234	0.02008	8.71E-03	8.93E-02	4.53E-03	1.48E-03	1.04E-01	8.58E-03	3.87E-06	4.97E-05	4.32E-05	8.68E-03	1.04E-02	8.93E-02	4.53E-03	1.48E-03	1.06E-01
2194	494511.06	3859801.99	0.05316	0.11529	0.0232	0.01991	8.69E-03	8.94E-02	4.50E-03	1.47E-03	1.04E-01	8.57E-03	3.87E-06	4.94E-05	4.29E-05	8.66E-03	1.04E-02	8.94E-02	4.50E-03	1.47E-03	1.06E-01
2195	494561.06	3859801.99	0.05295	0.11395	0.0233	0.01979	8.66E-03	8.84E-02	4.52E-03	1.46E-03	1.03E-01	8.53E-03	3.83E-06	4.96E-05	4.26E-05	8.63E-03	1.04E-02	8.84E-02	4.52E-03	1.46E-03	1.05E-01
2196	494611.06	3859801.99	0.05264	0.11122	0.0237	0.0197	8.61E-03	8.63E-02	4.59E-03	1.45E-03	1.01E-01	8.48E-03	3.74E-06	5.03E-05	4.24E-05	8.58E-03	1.03E-02	8.63E-02	4.59E-03	1.45E-03	1.03E-01
2197	494661.06	3859801.99	0.05241	0.1097	0.0238	0.01959	8.57E-03	8.51E-02	4.61E-03	1.44E-03	9.97E-02	8.44E-03	3.68E-06	5.06E-05	4.22E-05	8.54E-03	1.03E-02	8.51E-02	4.61E-03	1.44E-03	1.01E-01
2198	494711.06	3859801.99	0.05216	0.10782	0.024	0.01948	8.53E-03	8.36E-02	4.65E-03	1.43E-03	9.83E-02	8.40E-03	3.62E-06	5.10E-05	4.19E-05	8.50E-03	1.02E-02	8.36E-02	4.65E-03	1.43E-03	9.99E-02
2199	494761.06	3859801.99	0.05209	0.10792	0.0238	0.01934	8.52E-03	8.37E-02	4.62E-03	1.42E-03	9.83E-02	8.39E-03	3.63E-06	5.06E-05	4.16E-05	8.49E-03	1.02E-02	8.37E-02	4.62E-03	1.42E-03	1.00E-01
2200	494811.06	3859801.99	0.05187	0.10647	0.0239	0.01923	8.48E-03	8.26E-02	4.64E-03	1.42E-03	9.71E-02	8.36E-03	3.58E-06	5.09E-05	4.14E-05	8.45E-03	1.01E-02	8.26E-02	4.64E-03	1.42E-03	9.88E-02
2201	494861.06	3859801.99	0.05171	0.1055	0.024	0.01911	8.46E-03	8.18E-02	4.65E-03	1.41E-03	9.63E-02	8.33E-03	3.54E-06	5.10E-05	4.11E-05	8.43E-03	1.01E-02	8.18E-02	4.65E-03	1.41E-03	9.80E-02
2202	494911.06	3859801.99	0.05149	0.10391	0.0241	0.01901	8.42E-03	8.06E-02	4.68E-03	1.40E-03	9.51E-02	8.30E-03	3.49E-06	5.13E-05	4.09E-05	8.39E-03	1.01E-02	8.06E-02	4.68E-03	1.40E-03	9.68E-02
2203	494961.06	3859801.99	0.05131	0.10279	0.0242	0.0189	8.39E-03	7.97E-02	4.69E-03	1.39E-03	9.42E-02	8.27E-03	3.45E-06	5.14E-05	4.07E-05	8.36E-03	1.00E-02	7.97E-02	4.69E-03	1.39E-03	9.59E-02
2204	495011.06	3859801.99	0.05112	0.10159	0.0243	0.01879	8.36E-03	7.88E-02	4.70E-03	1.38E-03	9.33E-02	8.24E-03	3.41E-06	5.16E-05	4.05E-05	8.33E-03	1.00E-02	7.88E-02	4.70E-03	1.38E-03	9.49E-02
2205	495061.06	3859801.99	0.05096	0.10065	0.0243	0.01868	8.34E-03	7.81E-02	4.71E-03	1.38E-03	9.25E-02	8.21E-03	3.38E-06	5.16E-05	4.02E-05	8.31E-03	9.97E-03	7.81E-02	4.71E-03	1.38E-03	9.41E-02
2206	495111.06	3859801.99	0.05076	0.09925	0.0244	0.01858	8.30E-03	7.70E-02	4.73E-03	1.37E-03	9.14E-02	8.18E-03	3.33E-06	5.19E-05	4.00E-05	8.27E-03	9.93E-03	7.70E-02	4.73E-03	1.37E-03	9.30E-02
2207	495161.06	3859801.99	0.05056	0.09795	0.0245	0.01848	8.27E-03	7.60E-02	4.75E-03	1.36E-03	9.04E-02	8.15E-03	3.29E-06	5.21E-05	3.98E-05	8.24E-03	9.89E-03	7.60E-02	4.75E-03	1.36E-03	9.20E-02
2208	495211.06	3859801.99	0.0504	0.09705	0.0245	0.01838	8.24E-03	7.53E-02	4.75E-03	1.35E-03	8.96E-02	8.12E-03	3.26E-06	5.21E-05	3.96E-05	8.22E-03	9.86E-03	7.53E-02	4.75E-03	1.35E-03	9.13E-02
2209	495261.06	3859801.99	0.0502	0.09573	0.0246	0.01828	8.21E-03	7.43E-02	4.77E-03	1.35E-03	8.86E-02	8.09E-03	3.22E-06	5.23E-05	3.94E-05	8.18E-03	9.82E-03	7.43E-02	4.77E-03	1.35E-03	9.02E-02
2210	495311.06	3859801.99	0.05005	0.09492	0.0246	0.01818	8.19E-03	7.36E-02	4.77E-03	1.34E-03	8.79E-02	8.06E-03	3.19E-06	5.23E-05	3.91E-05	8.16E-03	9.79E-03	7.36E-02	4.77E-03	1.34E-03	8.95E-02
2211	495361.06	3859801.99	0.04986	0.09376	0.0247	0.01808	8.16E-03	7.27E-02	4.78E-03	1.33E-03	8.70E-02	8.03E-03	3.15E-06	5.25E-05	3.89E-05	8.13E-03	9.76E-03	7.27E-02	4.78E-03	1.33E-03	8.86E-02
2212	495411.06	3859801.99	0.04964	0.0924	0.0248	0.01798	8.12E-03	7.17E-02	4.81E-03	1.32E-03	8.59E-02	8.00E-03	3.10E-06	5.27E-05	3.87E-05	8.09E-03	9.71E-03	7.17E-02	4.81E-03	1.32E-03	8.75E-02
2213	495461.06	3859801.99	0.04945	0.09134	0.0248	0.01789	8.09E-03	7.09E-02	4.81E-03	1.32E-03	8.51E-02	7.97E-03	3.07E-06	5.28E-05	3.85E-05	8.06E-03	9.68E-03	7.09E-02	4.81E-03	1.32E-03	8.67E-02
2214	495511.06	3859801.99	0.04919	0.08976	0.025	0.01779	8.05E-03	6.96E-02	4.84E-03	1.31E-03	8.38E-02	7.93E-03	3.02E-06	5.31E-05	3.83E-05	8.02E-03	9.63E-03	6.96E-02	4.84E-03	1.31E-03	8.54E-02
2215	495561.06	3859801.99	0.04902	0.08889	0.025	0.0177	8.02E-03	6.90E-02	4.84E-03	1.30E-03	8.31E-02	7.90E-03	2.99E-06	5.31E-05	3.81E-05	7.99E-03	9.59E-03	6.90E-02	4.84E-03	1.30E-03	8.47E-02
2216	495611.06	3859801.99	0.04891	0.08847	0.0249	0.0176	8.00E-03	6.86E-02	4.82E-03	1.30E-03	8.27E-02	7.88E-03	2.97E-06	5.29E-05	3.79E-05	7.97E-03	9.57E-03	6.86E-02	4.82E-03	1.30E-03	8.43E-02
2217	495661.06	3859801.99	0.04866	0.08709	0.025	0.01751	7.96E-03	6.76E-02	4.84E-03	1.29E-03	8.16E-02	7.84E-03	2.93E-06	5.31E-05	3.77E-05	7.93E-03	9.52E-03	6.76E-02	4.84E-03	1.29E-03	8.32E-02
2218	494311.06	3859851.99	0.05327	0.1207	0.0219	0.01998	8.71E-03	9.36E-02	4.25E-03	1.47E-03	1.08E-01	8.58E-03	4.05E-06	4.66E-05	4.30E-05	8.68E-03	1.04E-02	9.36E-02	4.25E-03	1.47E-03	1.10E-01
2219	494361.06	3859851.99	0.05302	0.11893	0.0221	0.01986	8.67E-03	9.23E-02	4.28E-03	1.46E-03	1.07E-01	8.54E-03	4.00E-06	4.69E-05	4.28E-05	8.64E-03	1.04E-02	9.23E-02	4.28E-03	1.46E-03	1.08E-01
2220	494411.06	3859851.99	0.05276	0.11693	0.0223	0.01975	8.63E-03	9.07E-02	4.31E-03	1.45E-03	1.05E-01	8.50E-03	3.93E-06	4.73E-05	4.25E-05	8.60E-03	1.03E-02	9.07E-02	4.31E-03	1.45E-03	1.07E-01
2221	494461.06	3859851.99	0.05254	0.11548	0.0224	0.01962	8.59E-03	8.96E-02	4.34E-03	1.44E-03	1.04E-01	8.47E-03	3.88E-06	4.76E-05	4.22E-05	8.56E-03	1.03E-02	8.96E-02	4.34E-03	1.44E-03	1.06E-01
2222	494511.06	3859851.99	0.05239	0.11507	0.0223	0.01948	8.57E-03	8.93E-02	4.33E-03	1.43E-03	1.04E-01	8.44E-03	3.87E-06	4.75E-05	4.19E-05	8.53E-03	1.03E-02	8.93E-02	4.33E-03	1.43E-03	1.05E-01
2223	494561.06	3859851.99	0.05227	0.11491	0.0223	0.01933	8.55E-03	8.91E-02	4.31E-03	1.42E-03	1.03E-01	8.42E-03	3.86E-06	4.73E-05	4.16E-05	8.52E-03	1.02E-02	8.91E-02	4.31E-03	1.42E-03	1.05E-01
2224	494611.06	3859851.99	0.05195	0.11205	0.0226	0.01925	8.50E-03	8.69E-02	4.38E-03	1.42E-03	1.01E-01	8.37E-03	3.76E-06	4.80E-05	4.14E-05	8.46E-03	1.02E-02	8.69E-02	4.38E-03	1.42E-03	1.03E-01
2225	494661.06	3859851.99	0.05179	0.11143	0.0226	0.01912	8.47E-03	8.64E-02	4.37E-03	1.41E-03	1.01E-01	8.35E-03	3.74E-06	4.80E-05	4.12E-05	8.44E-03	1.01E-02	8.64E-02	4.37E-03	1.41E-03	1.02E-01
2226	494711.06	3859851.99	0.05153	0.10932	0.0228	0.01903	8.43E-03	8.48E-02	4.42E-03	1.40E-03	9.90E-02	8.30E-03	3.67E-06	4.85E-05	4.10E-05	8.40E-03	1.01E-02	8.48E-02	4.42E-03	1.40E-03	1.01E-01
2227	494761.06	3859851.99	0.05143	0.1092	0.0227	0.01889	8.41E-03	8.47E-02	4.40E-03	1.39E-03	9.89E-02	8.29E-03	3.67E-06	4.82E-05	4.07E-05	8.38E-03	1.01E-02	8.47E-02	4.40E-03	1.39E-03	1.01E-01
2228	494811.06	3859851.99	0.05123	0.10786	0.0228	0.01878	8.38E-03	8.37E-02	4.42E-03	1.38E-03	9.78E-02	8.25E-03	3.62E-06	4.85E-05	4.04E-05	8.35E-03	1.00E-02	8.37E-02	4.42E-03	1.38E-03	9.95E-02
2229	494861.06	3859851.99	0.05107	0.10706	0.0228	0.01866	8.35E-03	8.30E-02	4.42E-03	1.37E-03	9.72E-02	8.23E-03	3.60E-06	4.85E-05	4.02E-05	8.32E-03	9.99E-03	8.31E-02	4.42E-03	1.37E-03	9.88E-02
2230	494911.06	3859851.99	0.05086	0.10553	0.0229	0.01856	8.32E-03	8.19E-02	4.45E-03	1.37E-03	9.60E-02	8.20E-03	3.54E-06	4.88E-05	4.00E-05	8.29E-03	9.95E-03	8.19E-02	4.45E-03	1.37E-03	9.76E-02
2231	494961.06	3859851.99	0.05068	0.10438	0.023	0.01846	8.29E-03	8.10E-02	4.46E-03	1.36E-03	9.51E-02	8.17E-03	3.51E-06	4.89E-05	3.97E-05	8.26E-03	9.92E-03	8.10E-02	4.46E-03	1.36E-03	9.67E-02
2232	495011.06	3859851.99	0.0505	0.10321	0.0231	0.01836	8.26E-03	8.01E-02	4.48E-03	1.35E-03	9.41E-02	8.14E-03	3.47E-06	4.91E-05	3.95E-05	8.23E-03	9.88E-03	8.01E-02	4.48E-03	1.35E-03	9.58E-02
2233	495061.06	3859851.99	0.05035	0.10228	0.0231	0.01825	8.24E-03	7.93E-02	4.48E-03	1.34E-03	9.34E-02	8.11E-03	3.44E-06	4.92E-05	3.93E-05	8.20E-03	9.85E-03	7.93E-02	4.48E-03	1.34E-03	9.50E-02
2234	495111.06	3859851.99	0.05014	0.10077	0.0233	0.01816	8.20E-03	7.82E-02	4.51E-03	1.34E-03	9.22E-02	8.08E-03	3.39E-06	4.95E-05	3.91E-05	8.17E-03	9.81E-03	7.82E-02	4.51E-03	1.34E-03	9.38E-02
2235	495161.06	3859851.99	0.04996	0.09955	0.0234	0.01807	8.17E-03	7.72E-02	4.53E-03	1.33E-03	9.13E-02	8.05E-03	3.34E-06	4.96E-05	3.89E-05	8.14E-03	9.78E-03	7.72E-02	4.53E-03	1.33E-03	9.29E-02
2236	495211.06	3859851.99	0.04979	0.09844	0.0234	0.01797	8.14E-03	7.64E-02	4.54E-03	1.32E-03	9.04E-02	8.02E-03	3.31E-06	4.98E-05	3.87E-05	8.11E-03	9.74E-03	7.64E-02	4.54E-03	1.32E-03	9.20E-02
2237	495261.06	3859851.99	0.04961	0.09725	0.0235	0.01788	8.11E-03	7.54E-02	4.56E-03	1.32E-03	8.94E-02	7.99E-03	3.27E-06	5.00E-05	3.85E-05	8.09E-03	9.71E-03	7.54E-02	4.56E-03	1.32E-03	9.10E-02
2238	495311.06	3859851.99	0.04945	0.09633	0.0235	0.01778	8.09E-03	7.47E-02	4.56E-03	1.31E-03	8.87E-02	7.97E-03	3.24E-06	5.00E-05	3.83E-05	8.06E-03	9.68E-03	7.47E-02	4.56E-03	1.31E-03	9.03E-02
2239	495361.06	3859851.99	0.04929	0.09529	0.0236	0.01769	8.06E-03	7.39E-02	4.57E-03	1.30E-03	8.79E-02	7.94E-03	3.20E-06	5.02E-05	3.81E-05	8.03E-03	9.65E-03	7.39E-02	4.57E-03	1.30E-03	8.94E-02
2240	495411.06	3859851.99	0.04909	0.09397	0.0237	0.0176	8.03E-03	7.29E-02	4.60E-03	1.30E-03	8.68E-02	7.91E-03	3.16E-06	5.04E-05	3.79E-05	8.00E-03	9.61E-03	7.29E-02	4.60E-03	1.30E-03	8.84E-02
2241	495461.06	3859851.99	0.0489	0.09271	0.0238	0.01752	8.00E-03	7.19E-02	4.61E-03	1.29E-03	8.58E-02	7.88E-03	3.11E-06	5.06E-05	3.77E-05	7.97E-03	9.57E-03	7.19E-02	4.61E-03	1.29E-03	8.74E-02
2242	495511.06	3859851.99	0.04868	0.09129	0.0239	0.01743	7.96E-03	7.08E-02	4.64E-03	1.28E-03	8.47E-02	7.84E-03	3.07E-06	5.09E-05	3.75E-05	7.94E-03	9.53E-03	7.08E-02	4.64E-03	1.28E-03	8.63E-02
2243	495561.06	3859851.99	0.04854	0.09057	0.0239	0.01734	7.94E-03	7.03E-02	4.64E-03	1.28E-03	8.41E-02	7.82E-03	3.04E-06	5.09E-05	3.73E-05	7.91E-03	9.50E-03	7.03E-02	4.64E-03	1.28E-03	8.57E-02
2244	495611.06	3859851.99	0.04839	0.08978	0.0239	0.01725	7.91E-03	6.96E-02	4.64E-03	1.27E-03	8.35E-02	7.80E-03	3.02E-06	5.09E-05	3.71E-05	7.89E-03	9.47E-03	6.96E-02	4.64E-03	1.27E-03	8.50E-02
2245	495661.06	3859851.99	0.04817	0.08844	0.024	0.01717	7.88E-03	6.86E-02	4.66E-03	1.26E-03	8.24E-02	7.76E-03	2.97E-06	5.11E-05	3.70E-05	7.85E-03	9.43E-03	6.86E-02	4.66E-03	1.26E-03	8.40E-02
2246	494311.06	3859901.99	0.05259	0.12138	0.021	0.0195	8.60E-03	9.42E-02	4.06E-03	1.44E-03	1.08E-01	8.47E-03	4.08E-06	4.45E-05	4.20E-05	8.56E-03	1.03E-02	9.42E-02	4.06E-03	1.44E-03	1.10E-01
2247	494361.06	3859901.99	0.0523	0.11881	0.0212	0.01941	8.55E-03	9.22E-02	4.11E-03	1.43E-03	1.06E-01	8.43E-03	3.99E-06	4.50E-05	4.18E-05	8.52E-03	1.02E-02	9.22E-02	4.11E-03	1.43E-03	1.08E-01
2248	494411.06	3859901.99	0.05212	0.11804	0.0212	0.01927	8.52E-03	9.16E-02	4.11E-03	1.42E-03	1.06E-01	8.40E-03	3.97E-06	4.51E-05	4.15E-05	8.49E-03	1.02E-02	9.16E-02	4.11E-03	1.42E-03	1.07E-01
2249	494461.06	3859901.99	0.0519	0.11666	0.0213	0.01915	8.49E-03	9.05E-02	4.13E-03	1.41E-03	1.05E-01	8.36E-03	3.92E-06	4.52E-05	4.12E-05	8.45E-03	1.02E-02	9.05E-02	4.13E-03	1.41E-03	1.06E-01
2250	494511.06	3859901.99	0.05172	0.11578	0.0213	0.01902	8.46E-03	8.98E-02	4.13E-03	1.40E-03	1.04E-01	8.33E-03	3.89E-06	4.53E-05	4.09E-05	8.42E-03	1.01E-02	8.98E-02	4.13E-03	1.40E-03	1.05E-01
2251	494561.06	3859901.99	0.05162	0.116	0.0212	0.01886	8.44E-03	9.00E-02	4.11E-03	1.39E-03	1.04E-01	8.32E-03	3.90E-06	4.51E-05	4.06E-05	8.41E-03	1.01E-02	9.00E-02	4.11E-03	1.39E-03	1.06E-01
2252	494611.06	3859901.99	0.0513	0.11305	0.0215	0.01879	8.39E-03	8.77E-02	4.17E-03	1.38E-03	1.02E-01	8.27E-03	3.80E-06	4.57E-05	4.05E-05	8.36E-03	1.00E-02	8.77E-02	4.17E-03	1.38E-03	1.03E-01
2253	494661.06	3859901.99	0.05119	0.11301	0.0214	0.01865	8.37E-03	8.77E-02	4.16E-03	1.37E-03	1.02E-01	8.25E-03	3.80E-06	4.56E-05	4.01E-05	8.34E-03	1.00E-02	8.77E-02	4.16E-03	1.37E-03	1.03E-01

2254	494711.06	3859901.99	0.05087	0.11019	0.0217	0.01858	8.32E-03	8.55E-02	4.22E-03	1.37E-03	9.94E-02	8.20E-03	3.70E-06	4.62E-05	4.00E-05	8.29E-03	9.95E-03	8.55E-02	4.22E-03	1.37E-03	1.01E-01
2255	494761.06	3859901.99	0.05074	0.10975	0.0217	0.01845	8.30E-03	8.51E-02	4.21E-03	1.36E-03	9.90E-02	8.18E-03	3.69E-06	4.61E-05	3.97E-05	8.27E-03	9.93E-03	8.51E-02	4.21E-03	1.36E-03	1.01E-01
2256	494811.06	3859901.99	0.05061	0.10933	0.0217	0.01833	8.28E-03	8.48E-02	4.20E-03	1.35E-03	9.86E-02	8.15E-03	3.67E-06	4.61E-05	3.95E-05	8.24E-03	9.90E-03	8.48E-02	4.20E-03	1.35E-03	1.00E-01
2257	494861.06	3859901.99	0.05044	0.10843	0.0217	0.01821	8.25E-03	8.41E-02	4.21E-03	1.34E-03	9.79E-02	8.13E-03	3.64E-06	4.61E-05	3.92E-05	8.22E-03	9.87E-03	8.41E-02	4.21E-03	1.34E-03	9.95E-02
2258	494911.06	3859901.99	0.05023	0.10688	0.0218	0.01812	8.22E-03	8.29E-02	4.23E-03	1.33E-03	9.67E-02	8.09E-03	3.59E-06	4.64E-05	3.90E-05	8.18E-03	9.83E-03	8.29E-02	4.23E-03	1.33E-03	9.83E-02
2259	494961.06	3859901.99	0.05007	0.10592	0.0219	0.01802	8.19E-03	8.22E-02	4.24E-03	1.33E-03	9.59E-02	8.07E-03	3.56E-06	4.65E-05	3.88E-05	8.16E-03	9.80E-03	8.22E-02	4.24E-03	1.33E-03	9.75E-02
2260	495011.06	3859901.99	0.04987	0.10454	0.022	0.01793	8.16E-03	8.11E-02	4.26E-03	1.32E-03	9.48E-02	8.04E-03	3.51E-06	4.68E-05	3.86E-05	8.12E-03	9.76E-03	8.11E-02	4.26E-03	1.32E-03	9.64E-02
2261	495061.06	3859901.99	0.0497	0.10336	0.0221	0.01783	8.13E-03	8.02E-02	4.28E-03	1.31E-03	9.39E-02	8.01E-03	3.47E-06	4.69E-05	3.84E-05	8.10E-03	9.73E-03	8.02E-02	4.28E-03	1.31E-03	9.55E-02
2262	495111.06	3859901.99	0.04949	0.10184	0.0222	0.01775	8.09E-03	7.90E-02	4.31E-03	1.31E-03	9.27E-02	7.97E-03	3.42E-06	4.72E-05	3.82E-05	8.06E-03	9.68E-03	7.90E-02	4.31E-03	1.31E-03	9.43E-02
2263	495161.06	3859901.99	0.0493	0.10045	0.0224	0.01766	8.06E-03	7.79E-02	4.33E-03	1.30E-03	9.16E-02	7.94E-03	3.37E-06	4.75E-05	3.80E-05	8.03E-03	9.65E-03	7.79E-02	4.33E-03	1.30E-03	9.32E-02
2264	495211.06	3859901.99	0.04916	0.09967	0.0224	0.01756	8.04E-03	7.73E-02	4.34E-03	1.29E-03	9.10E-02	7.92E-03	3.35E-06	4.75E-05	3.78E-05	8.01E-03	9.62E-03	7.73E-02	4.34E-03	1.29E-03	9.26E-02
2265	495261.06	3859901.99	0.04895	0.09807	0.0225	0.01749	8.01E-03	7.61E-02	4.37E-03	1.29E-03	8.97E-02	7.89E-03	3.29E-06	4.79E-05	3.77E-05	7.98E-03	9.58E-03	7.61E-02	4.37E-03	1.29E-03	9.13E-02
2266	495311.06	3859901.99	0.04882	0.09732	0.0225	0.01739	7.99E-03	7.55E-02	4.37E-03	1.28E-03	8.91E-02	7.87E-03	3.27E-06	4.79E-05	3.74E-05	7.96E-03	9.55E-03	7.55E-02	4.37E-03	1.28E-03	9.07E-02
2267	495361.06	3859901.99	0.04864	0.09614	0.0226	0.01731	7.96E-03	7.46E-02	4.39E-03	1.27E-03	8.82E-02	7.84E-03	3.23E-06	4.81E-05	3.73E-05	7.93E-03	9.52E-03	7.46E-02	4.39E-03	1.27E-03	8.98E-02
2268	495411.06	3859901.99	0.04846	0.09478	0.0228	0.01723	7.93E-03	7.35E-02	4.41E-03	1.27E-03	8.71E-02	7.81E-03	3.18E-06	4.84E-05	3.71E-05	7.90E-03	9.48E-03	7.35E-02	4.41E-03	1.27E-03	8.87E-02
2269	495461.06	3859901.99	0.04828	0.0936	0.0229	0.01715	7.90E-03	7.26E-02	4.43E-03	1.26E-03	8.62E-02	7.78E-03	3.14E-06	4.86E-05	3.69E-05	7.87E-03	9.45E-03	7.26E-02	4.43E-03	1.26E-03	8.78E-02
2270	495511.06	3859901.99	0.04814	0.0928	0.0229	0.01706	7.87E-03	7.20E-02	4.43E-03	1.26E-03	8.55E-02	7.76E-03	3.12E-06	4.86E-05	3.67E-05	7.85E-03	9.42E-03	7.20E-02	4.43E-03	1.26E-03	8.71E-02
2271	495561.06	3859901.99	0.048	0.09199	0.0229	0.01697	7.85E-03	7.14E-02	4.44E-03	1.25E-03	8.49E-02	7.73E-03	3.09E-06	4.86E-05	3.65E-05	7.82E-03	9.39E-03	7.14E-02	4.44E-03	1.25E-03	8.64E-02
2272	495611.06	3859901.99	0.04781	0.09076	0.023	0.01689	7.82E-03	7.04E-02	4.46E-03	1.24E-03	8.39E-02	7.70E-03	3.05E-06	4.89E-05	3.64E-05	7.79E-03	9.36E-03	7.04E-02	4.46E-03	1.24E-03	8.55E-02
2273	495661.06	3859901.99	0.04761	0.08945	0.0231	0.01682	7.79E-03	6.94E-02	4.48E-03	1.24E-03	8.29E-02	7.67E-03	3.00E-06	4.91E-05	3.62E-05	7.76E-03	9.32E-03	6.94E-02	4.48E-03	1.24E-03	8.44E-02
2274	494311.06	3859951.99	0.05207	0.12227	0.02	0.01902	8.52E-03	9.48E-02	3.88E-03	1.40E-03	1.09E-01	8.39E-03	4.11E-06	4.26E-05	4.09E-05	8.48E-03	1.02E-02	9.49E-02	3.88E-03	1.40E-03	1.10E-01
2275	494361.06	3859951.99	0.05187	0.12046	0.0201	0.01891	8.48E-03	9.34E-02	3.91E-03	1.39E-03	1.07E-01	8.36E-03	4.05E-06	4.28E-05	4.07E-05	8.45E-03	1.01E-02	9.34E-02	3.91E-03	1.39E-03	1.09E-01
2276	494411.06	3859951.99	0.05148	0.11884	0.0202	0.0188	8.42E-03	9.22E-02	3.92E-03	1.38E-03	1.06E-01	8.30E-03	3.99E-06	4.30E-05	4.05E-05	8.38E-03	1.01E-02	9.22E-02	3.92E-03	1.38E-03	1.08E-01
2277	494461.06	3859951.99	0.05127	0.1175	0.0203	0.01869	8.39E-03	9.11E-02	3.94E-03	1.38E-03	1.05E-01	8.26E-03	3.95E-06	4.32E-05	4.02E-05	8.35E-03	1.00E-02	9.11E-02	3.94E-03	1.38E-03	1.06E-01
2278	494511.06	3859951.99	0.05109	0.11666	0.0204	0.01856	8.36E-03	9.05E-02	3.95E-03	1.37E-03	1.04E-01	8.23E-03	3.92E-06	4.33E-05	4.00E-05	8.32E-03	1.00E-02	9.05E-02	3.95E-03	1.37E-03	1.06E-01
2279	494561.06	3859951.99	0.05113	0.11715	0.0203	0.0184	8.36E-03	9.09E-02	3.93E-03	1.35E-03	1.05E-01	8.24E-03	3.94E-06	4.31E-05	3.96E-05	8.33E-03	1.00E-02	9.09E-02	3.93E-03	1.35E-03	1.06E-01
2280	494611.06	3859951.99	0.05072	0.11457	0.0205	0.01832	8.30E-03	8.89E-02	3.97E-03	1.35E-03	1.02E-01	8.17E-03	3.85E-06	4.35E-05	3.94E-05	8.26E-03	9.92E-03	8.89E-02	3.97E-03	1.35E-03	1.04E-01
2281	494661.06	3859951.99	0.05076	0.11434	0.0204	0.01819	8.30E-03	8.87E-02	3.96E-03	1.34E-03	1.02E-01	8.18E-03	3.84E-06	4.34E-05	3.92E-05	8.27E-03	9.93E-03	8.87E-02	3.96E-03	1.34E-03	1.04E-01
2282	494711.06	3859951.99	0.05031	0.11199	0.0206	0.01811	8.23E-03	8.69E-02	4.00E-03	1.33E-03	1.00E-01	8.11E-03	3.76E-06	4.38E-05	3.90E-05	8.19E-03	9.84E-03	8.69E-02	4.00E-03	1.33E-03	1.02E-01
2283	494761.06	3859951.99	0.05015	0.11116	0.0207	0.018	8.20E-03	8.62E-02	4.00E-03	1.33E-03	9.98E-02	8.08E-03	3.73E-06	4.39E-05	3.87E-05	8.17E-03	9.81E-03	8.62E-02	4.00E-03	1.33E-03	1.01E-01
2284	494811.06	3859951.99	0.04997	0.11015	0.0207	0.01789	8.17E-03	8.54E-02	4.01E-03	1.32E-03	9.89E-02	8.05E-03	3.70E-06	4.40E-05	3.85E-05	8.14E-03	9.78E-03	8.54E-02	4.01E-03	1.32E-03	1.01E-01
2285	494861.06	3859951.99	0.04983	0.10958	0.0207	0.01777	8.15E-03	8.50E-02	4.01E-03	1.31E-03	9.85E-02	8.03E-03	3.68E-06	4.40E-05	3.83E-05	8.12E-03	9.75E-03	8.50E-02	4.01E-03	1.31E-03	1.00E-01
2286	494911.06	3859951.99	0.04962	0.10801	0.0208	0.01769	8.12E-03	8.38E-02	4.04E-03	1.30E-03	9.72E-02	8.00E-03	3.63E-06	4.43E-05	3.81E-05	8.08E-03	9.71E-03	8.38E-02	4.04E-03	1.30E-03	9.88E-02
2287	494961.06	3859951.99	0.04942	0.10658	0.0209	0.0176	8.08E-03	8.27E-02	4.06E-03	1.30E-03	9.61E-02	7.96E-03	3.58E-06	4.45E-05	3.79E-05	8.05E-03	9.67E-03	8.27E-02	4.06E-03	1.30E-03	9.77E-02
2288	495011.06	3859951.99	0.04923	0.1053	0.021	0.01751	8.05E-03	8.17E-02	4.08E-03	1.29E-03	9.51E-02	7.93E-03	3.54E-06	4.47E-05	3.77E-05	8.02E-03	9.63E-03	8.17E-02	4.08E-03	1.29E-03	9.67E-02
2289	495061.06	3859951.99	0.04906	0.10426	0.0211	0.01741	8.02E-03	8.09E-02	4.09E-03	1.28E-03	9.43E-02	7.91E-03	3.50E-06	4.48E-05	3.75E-05	7.99E-03	9.60E-03	8.09E-02	4.09E-03	1.28E-03	9.59E-02
2290	495111.06	3859951.99	0.04886	0.10277	0.0212	0.01733	7.99E-03	7.97E-02	4.11E-03	1.28E-03	9.31E-02	7.87E-03	3.45E-06	4.51E-05	3.73E-05	7.96E-03	9.56E-03	7.97E-02	4.11E-03	1.28E-03	9.47E-02
2291	495161.06	3859951.99	0.04867	0.10136	0.0214	0.01726	7.96E-03	7.86E-02	4.14E-03	1.27E-03	9.20E-02	7.84E-03	3.40E-06	4.54E-05	3.72E-05	7.93E-03	9.52E-03	7.86E-02	4.14E-03	1.27E-03	9.36E-02
2292	495211.06	3859951.99	0.04848	0.09998	0.0215	0.01718	7.93E-03	7.76E-02	4.17E-03	1.26E-03	9.09E-02	7.81E-03	3.36E-06	4.57E-05	3.70E-05	7.90E-03	9.49E-03	7.76E-02	4.17E-03	1.26E-03	9.25E-02
2293	495261.06	3859951.99	0.04831	0.09887	0.0216	0.01709	7.90E-03	7.67E-02	4.18E-03	1.26E-03	9.00E-02	7.78E-03	3.32E-06	4.58E-05	3.68E-05	7.87E-03	9.45E-03	7.67E-02	4.18E-03	1.26E-03	9.16E-02
2294	495311.06	3859951.99	0.04818	0.09822	0.0216	0.017	7.88E-03	7.62E-02	4.18E-03	1.25E-03	8.95E-02	7.76E-03	3.30E-06	4.58E-05	3.66E-05	7.85E-03	9.43E-03	7.62E-02	4.18E-03	1.25E-03	9.11E-02
2295	495361.06	3859951.99	0.04803	0.09725	0.0216	0.01691	7.86E-03	7.54E-02	4.19E-03	1.24E-03	8.87E-02	7.74E-03	3.27E-06	4.60E-05	3.64E-05	7.82E-03	9.40E-03	7.54E-02	4.19E-03	1.24E-03	9.03E-02
2296	495411.06	3859951.99	0.04785	0.09593	0.0217	0.01684	7.83E-03	7.44E-02	4.22E-03	1.24E-03	8.77E-02	7.71E-03	3.22E-06	4.62E-05	3.63E-05	7.80E-03	9.36E-03	7.44E-02	4.22E-03	1.24E-03	8.92E-02
2297	495461.06	3859951.99	0.04769	0.09476	0.0218	0.01676	7.80E-03	7.35E-02	4.23E-03	1.23E-03	8.68E-02	7.68E-03	3.18E-06	4.64E-05	3.61E-05	7.77E-03	9.33E-03	7.35E-02	4.23E-03	1.23E-03	8.83E-02
2298	495511.06	3859951.99	0.04752	0.09359	0.0219	0.01669	7.77E-03	7.26E-02	4.25E-03	1.23E-03	8.59E-02	7.66E-03	3.14E-06	4.66E-05	3.59E-05	7.74E-03	9.30E-03	7.26E-02	4.25E-03	1.23E-03	8.74E-02
2299	495561.06	3859951.99	0.0474	0.0931	0.0219	0.01659	7.75E-03	7.22E-02	4.25E-03	1.22E-03	8.54E-02	7.64E-03	3.13E-06	4.66E-05	3.57E-05	7.72E-03	9.28E-03	7.22E-02	4.25E-03	1.22E-03	8.70E-02
2300	495611.06	3859951.99	0.04723	0.09187	0.022	0.01652	7.72E-03	7.13E-02	4.27E-03	1.22E-03	8.45E-02	7.61E-03	3.09E-06	4.68E-05	3.56E-05	7.70E-03	9.24E-03	7.13E-02	4.27E-03	1.22E-03	8.60E-02
2301	495661.06	3859951.99	0.04704	0.09044	0.0222	0.01646	7.69E-03	7.02E-02	4.30E-03	1.21E-03	8.34E-02	7.58E-03	3.04E-06	4.71E-05	3.54E-05	7.67E-03	9.20E-03	7.02E-02	4.30E-03	1.21E-03	8.49E-02
2302	494311.06	3860001.99	0.05133	0.12284	0.0192	0.01855	8.40E-03	9.53E-02	3.73E-03	1.37E-03	1.09E-01	8.27E-03	4.13E-06	4.09E-05	3.99E-05	8.36E-03	1.00E-02	9.53E-02	3.73E-03	1.37E-03	1.10E-01
2303	494361.06	3860001.99	0.05114	0.12143	0.0193	0.01844	8.36E-03	9.42E-02	3.74E-03	1.36E-03	1.08E-01	8.24E-03	4.08E-06	4.10E-05	3.97E-05	8.33E-03	1.00E-02	9.42E-02	3.74E-03	1.36E-03	1.09E-01
2304	494411.06	3860001.99	0.05094	0.11934	0.0194	0.01834	8.33E-03	9.26E-02	3.76E-03	1.35E-03	1.06E-01	8.21E-03	4.01E-06	4.12E-05	3.95E-05	8.29E-03	9.97E-03	9.26E-02	3.76E-03	1.35E-03	1.08E-01
2305	494461.06	3860001.99	0.05076	0.11837	0.0194	0.01822	8.30E-03	9.18E-02	3.77E-03	1.34E-03	1.05E-01	8.18E-03	3.98E-06	4.13E-05	3.92E-05	8.26E-03	9.93E-03	9.18E-02	3.77E-03	1.34E-03	1.07E-01
2306	494511.06	3860001.99	0.05057	0.11678	0.0195	0.01812	8.27E-03	9.06E-02	3.79E-03	1.33E-03	1.04E-01	8.15E-03	3.92E-06	4.15E-05	3.90E-05	8.23E-03	9.90E-03	9.06E-02	3.79E-03	1.33E-03	1.06E-01
2307	494561.06	3860001.99	0.0504	0.11784	0.0194	0.01795	8.24E-03	9.14E-02	3.77E-03	1.32E-03	1.05E-01	8.12E-03	3.96E-06	4.13E-05	3.86E-05	8.20E-03	9.86E-03	9.14E-02	3.77E-03	1.32E-03	1.06E-01
2308	494611.06	3860001.99	0.05022	0.11612	0.0195	0.01785	8.21E-03	9.01E-02	3.79E-03	1.31E-03	1.03E-01	8.09E-03	3.90E-06	4.15E-05	3.84E-05	8.18E-03	9.83E-03	9.01E-02	3.79E-03	1.31E-03	1.05E-01
2309	494661.06	3860001.99	0.05004	0.11513	0.0196	0.01774	8.18E-03	8.93E-02	3.79E-03	1.31E-03	1.03E-01	8.06E-03	3.87E-06	4.16E-05	3.82E-05	8.15E-03	9.79E-03	8.93E-02	3.79E-03	1.31E-03	1.04E-01
2310	494711.06	3860001.99	0.04965	0.11199	0.0198	0.0177	8.12E-03	8.69E-02	3.84E-03	1.30E-03	1.00E-01	8.00E-03	3.76E-06	4.21E-05	3.81E-05	8.08E-03	9.72E-03	8.69E-02	3.84E-03	1.30E-03	1.02E-01
2311	494761.06	3860001.99	0.04968	0.11208	0.0197	0.01756	8.13E-03	8.69E-02	3.83E-03	1.29E-03	1.00E-01	8.01E-03	3.76E-06	4.20E-05	3.78E-05	8.09E-03	9.72E-03	8.69E-02	3.83E-03	1.29E-03	1.02E-01
2312	494811.06	3860001.99	0.04951	0.11127	0.0198	0.01745	8.10E-03	8.63E-02	3.83E-03	1.28E-03	9.95E-02	7.98E-03	3.74E-06	4.20E-05	3.76E-05	8.06E-03	9.69E-03	8.63E-02	3.83E-03	1.28E-03	1.01E-01
2313	494861.06	3860001.99	0.04934	0.11064	0.0198	0.01734	8.07E-03	8.58E-02	3.84E-03	1.28E-03	9.90E-02	7.95E-03	3.72E-06	4.21E-05	3.73E-05	8.03E-03	9.65E-03	8.58E-02	3.84E-03	1.28E-03	1.01E-01
2314	494911.06	3860001.99	0.04894	0.10783	0.02	0.01729	8.00E-03	8.36E-02	3.88E-03	1.27E-03	9.68E-02	7.89E-03	3.62E-06	4.26E-05	3.72E-05	7.97E-03	9.58E-03	8.36E-02	3.88E-03	1.27E-03	9.84E-02

2315	494961.06	3860001.99	0.04879	0.10713	0.0201	0.01719	7.98E-03	8.31E-02	3.89E-03	1.27E-03	9.62E-02	7.86E-03	3.60E-06	4.26E-05	3.70E-05	7.94E-03	9.55E-03	8.31E-02	3.89E-03	1.27E-03	9.78E-02
2316	495011.06	3860001.99	0.04859	0.10572	0.0202	0.0171	7.95E-03	8.20E-02	3.91E-03	1.26E-03	9.51E-02	7.83E-03	3.55E-06	4.28E-05	3.68E-05	7.91E-03	9.51E-03	8.20E-02	3.91E-03	1.26E-03	9.67E-02
2317	495061.06	3860001.99	0.04846	0.10509	0.0202	0.017	7.93E-03	8.15E-02	3.91E-03	1.25E-03	9.46E-02	7.81E-03	3.53E-06	4.29E-05	3.66E-05	7.89E-03	9.48E-03	8.15E-02	3.91E-03	1.25E-03	9.62E-02
2318	495111.06	3860001.99	0.04825	0.10364	0.0203	0.01692	7.89E-03	8.04E-02	3.93E-03	1.25E-03	9.35E-02	7.77E-03	3.48E-06	4.31E-05	3.64E-05	7.86E-03	9.44E-03	8.04E-02	3.93E-03	1.25E-03	9.50E-02
2319	495161.06	3860001.99	0.04806	0.10223	0.0204	0.01685	7.86E-03	7.93E-02	3.96E-03	1.24E-03	9.24E-02	7.74E-03	3.43E-06	4.34E-05	3.63E-05	7.83E-03	9.40E-03	7.93E-02	3.96E-03	1.24E-03	9.39E-02
2320	495211.06	3860001.99	0.04792	0.10155	0.0204	0.01675	7.84E-03	7.88E-02	3.96E-03	1.23E-03	9.18E-02	7.72E-03	3.41E-06	4.34E-05	3.61E-05	7.80E-03	9.38E-03	7.88E-02	3.96E-03	1.23E-03	9.33E-02
2321	495261.06	3860001.99	0.04774	0.10026	0.0205	0.01668	7.81E-03	7.78E-02	3.98E-03	1.23E-03	9.08E-02	7.69E-03	3.37E-06	4.36E-05	3.59E-05	7.78E-03	9.34E-03	7.78E-02	3.98E-03	1.23E-03	9.23E-02
2322	495311.06	3860001.99	0.04759	0.09929	0.0206	0.01659	7.78E-03	7.70E-02	3.99E-03	1.22E-03	9.00E-02	7.67E-03	3.34E-06	4.38E-05	3.57E-05	7.75E-03	9.31E-03	7.70E-02	3.99E-03	1.22E-03	9.15E-02
2323	495361.06	3860001.99	0.04737	0.09747	0.0208	0.01654	7.75E-03	7.56E-02	4.03E-03	1.22E-03	8.86E-02	7.63E-03	3.27E-06	4.42E-05	3.56E-05	7.72E-03	9.27E-03	7.56E-02	4.03E-03	1.22E-03	9.01E-02
2324	495411.06	3860001.99	0.04726	0.09702	0.0208	0.01644	7.73E-03	7.53E-02	4.02E-03	1.21E-03	8.82E-02	7.62E-03	3.26E-06	4.41E-05	3.54E-05	7.70E-03	9.25E-03	7.53E-02	4.02E-03	1.21E-03	8.97E-02
2325	495461.06	3860001.99	0.0471	0.09592	0.0208	0.01637	7.70E-03	7.44E-02	4.04E-03	1.21E-03	8.74E-02	7.59E-03	3.22E-06	4.43E-05	3.52E-05	7.67E-03	9.22E-03	7.44E-02	4.04E-03	1.21E-03	8.89E-02
2326	495511.06	3860001.99	0.04694	0.09488	0.0209	0.0163	7.68E-03	7.36E-02	4.05E-03	1.20E-03	8.65E-02	7.56E-03	3.19E-06	4.45E-05	3.51E-05	7.65E-03	9.19E-03	7.36E-02	4.05E-03	1.20E-03	8.80E-02
2327	495561.06	3860001.99	0.04681	0.0942	0.0209	0.01621	7.66E-03	7.31E-02	4.06E-03	1.19E-03	8.60E-02	7.54E-03	3.16E-06	4.45E-05	3.49E-05	7.63E-03	9.16E-03	7.31E-02	4.06E-03	1.19E-03	8.75E-02
2328	495611.06	3860001.99	0.04664	0.09287	0.0211	0.01615	7.63E-03	7.20E-02	4.08E-03	1.19E-03	8.49E-02	7.52E-03	3.12E-06	4.48E-05	3.48E-05	7.60E-03	9.13E-03	7.20E-02	4.08E-03	1.19E-03	8.64E-02
2329	495661.06	3860001.99	0.04647	0.09161	0.0212	0.01609	7.60E-03	7.11E-02	4.11E-03	1.18E-03	8.40E-02	7.49E-03	3.08E-06	4.50E-05	3.46E-05	7.57E-03	9.09E-03	7.11E-02	4.11E-03	1.18E-03	8.55E-02
2330	494411.06	3860051.99	0.05023	0.12021	0.0186	0.01788	8.22E-03	9.32E-02	3.61E-03	1.32E-03	1.06E-01	8.09E-03	4.04E-06	3.96E-05	3.85E-05	8.18E-03	9.83E-03	9.33E-02	3.61E-03	1.32E-03	1.08E-01
2331	494461.06	3860051.99	0.05005	0.11882	0.0187	0.01777	8.19E-03	9.22E-02	3.62E-03	1.31E-03	1.05E-01	8.06E-03	3.99E-06	3.97E-05	3.83E-05	8.15E-03	9.79E-03	9.22E-02	3.62E-03	1.31E-03	1.07E-01
2332	494511.06	3860051.99	0.04986	0.11756	0.0187	0.01767	8.16E-03	9.12E-02	3.63E-03	1.30E-03	1.04E-01	8.03E-03	3.95E-06	3.98E-05	3.80E-05	8.12E-03	9.76E-03	9.12E-02	3.63E-03	1.30E-03	1.06E-01
2333	494561.06	3860051.99	0.04969	0.11755	0.0187	0.01753	8.13E-03	9.12E-02	3.63E-03	1.29E-03	1.04E-01	8.01E-03	3.95E-06	3.98E-05	3.77E-05	8.09E-03	9.72E-03	9.12E-02	3.63E-03	1.29E-03	1.06E-01
2334	494611.06	3860051.99	0.04951	0.11678	0.0188	0.01741	8.10E-03	9.06E-02	3.64E-03	1.28E-03	1.04E-01	7.98E-03	3.92E-06	3.99E-05	3.75E-05	8.06E-03	9.69E-03	9.06E-02	3.64E-03	1.28E-03	1.05E-01
2335	494661.06	3860051.99	0.04933	0.1158	0.0188	0.01731	8.07E-03	8.98E-02	3.64E-03	1.27E-03	1.03E-01	7.95E-03	3.89E-06	4.00E-05	3.73E-05	8.03E-03	9.65E-03	8.98E-02	3.64E-03	1.27E-03	1.04E-01
2336	494711.06	3860051.99	0.04915	0.11368	0.0189	0.01723	8.04E-03	8.82E-02	3.66E-03	1.27E-03	1.01E-01	7.92E-03	3.82E-06	4.02E-05	3.71E-05	8.00E-03	9.62E-03	8.82E-02	3.66E-03	1.27E-03	1.03E-01
2337	494761.06	3860051.99	0.04898	0.11282	0.0189	0.01713	8.01E-03	8.75E-02	3.67E-03	1.26E-03	1.00E-01	7.89E-03	3.79E-06	4.02E-05	3.69E-05	7.97E-03	9.58E-03	8.75E-02	3.67E-03	1.26E-03	1.02E-01
2338	494811.06	3860051.99	0.04881	0.11243	0.0189	0.01701	7.98E-03	8.72E-02	3.67E-03	1.25E-03	1.00E-01	7.86E-03	3.78E-06	4.02E-05	3.66E-05	7.95E-03	9.55E-03	8.72E-02	3.67E-03	1.25E-03	1.02E-01
2339	494861.06	3860051.99	0.04864	0.11188	0.0189	0.0169	7.96E-03	8.68E-02	3.67E-03	1.24E-03	9.97E-02	7.84E-03	3.76E-06	4.03E-05	3.64E-05	7.92E-03	9.52E-03	8.68E-02	3.67E-03	1.24E-03	1.01E-01
2340	494911.06	3860051.99	0.04848	0.1102	0.019	0.01683	7.93E-03	8.55E-02	3.69E-03	1.24E-03	9.83E-02	7.81E-03	3.70E-06	4.05E-05	3.62E-05	7.89E-03	9.49E-03	8.55E-02	3.69E-03	1.24E-03	9.99E-02
2341	494961.06	3860051.99	0.04831	0.10844	0.0192	0.01675	7.90E-03	8.41E-02	3.71E-03	1.23E-03	9.70E-02	7.78E-03	3.64E-06	4.07E-05	3.61E-05	7.86E-03	9.45E-03	8.41E-02	3.71E-03	1.23E-03	9.85E-02
2342	495011.06	3860051.99	0.04814	0.10692	0.0193	0.01668	7.87E-03	8.29E-02	3.73E-03	1.23E-03	9.58E-02	7.76E-03	3.59E-06	4.09E-05	3.59E-05	7.84E-03	9.42E-03	8.29E-02	3.73E-03	1.23E-03	9.73E-02
2343	495061.06	3860051.99	0.04798	0.10571	0.0193	0.0166	7.85E-03	8.20E-02	3.75E-03	1.22E-03	9.48E-02	7.73E-03	3.55E-06	4.11E-05	3.57E-05	7.81E-03	9.39E-03	8.20E-02	3.75E-03	1.22E-03	9.64E-02
2344	495111.06	3860051.99	0.04781	0.10409	0.0194	0.01653	7.82E-03	8.07E-02	3.77E-03	1.22E-03	9.35E-02	7.70E-03	3.50E-06	4.13E-05	3.56E-05	7.78E-03	9.36E-03	8.07E-02	3.77E-03	1.22E-03	9.51E-02
2345	495161.06	3860051.99	0.04748	0.10295	0.0195	0.01645	7.77E-03	7.99E-02	3.79E-03	1.21E-03	9.26E-02	7.65E-03	3.46E-06	4.15E-05	3.54E-05	7.73E-03	9.29E-03	7.99E-02	3.79E-03	1.21E-03	9.41E-02
2346	495211.06	3860051.99	0.04729	0.10163	0.0196	0.01638	7.73E-03	7.88E-02	3.80E-03	1.21E-03	9.16E-02	7.62E-03	3.41E-06	4.17E-05	3.53E-05	7.70E-03	9.25E-03	7.88E-02	3.80E-03	1.21E-03	9.31E-02
2347	495261.06	3860051.99	0.04714	0.10073	0.0197	0.01629	7.71E-03	7.81E-02	3.81E-03	1.20E-03	9.09E-02	7.60E-03	3.38E-06	4.18E-05	3.51E-05	7.68E-03	9.22E-03	7.81E-02	3.81E-03	1.20E-03	9.24E-02
2348	495311.06	3860051.99	0.04699	0.09998	0.0197	0.0162	7.69E-03	7.76E-02	3.82E-03	1.19E-03	9.03E-02	7.57E-03	3.36E-06	4.19E-05	3.49E-05	7.65E-03	9.20E-03	7.76E-02	3.82E-03	1.19E-03	9.18E-02
2349	495361.06	3860051.99	0.04684	0.09903	0.0198	0.01612	7.66E-03	7.68E-02	3.83E-03	1.19E-03	8.95E-02	7.55E-03	3.33E-06	4.20E-05	3.47E-05	7.63E-03	9.17E-03	7.68E-02	3.83E-03	1.19E-03	9.10E-02
2350	495411.06	3860051.99	0.04668	0.09799	0.0198	0.01605	7.64E-03	7.60E-02	3.85E-03	1.18E-03	8.87E-02	7.52E-03	3.29E-06	4.22E-05	3.46E-05	7.60E-03	9.13E-03	7.60E-02	3.85E-03	1.18E-03	9.02E-02
2351	495461.06	3860051.99	0.04651	0.09683	0.0199	0.01598	7.61E-03	7.51E-02	3.86E-03	1.18E-03	8.78E-02	7.49E-03	3.25E-06	4.24E-05	3.44E-05	7.57E-03	9.10E-03	7.51E-02	3.86E-03	1.18E-03	8.93E-02
2352	495511.06	3860051.99	0.04637	0.09601	0.02	0.0159	7.58E-03	7.45E-02	3.87E-03	1.17E-03	8.71E-02	7.47E-03	3.23E-06	4.24E-05	3.42E-05	7.55E-03	9.07E-03	7.45E-02	3.87E-03	1.17E-03	8.86E-02
2353	495561.06	3860051.99	0.04622	0.095	0.02	0.01583	7.56E-03	7.37E-02	3.88E-03	1.17E-03	8.63E-02	7.45E-03	3.19E-06	4.26E-05	3.41E-05	7.53E-03	9.04E-03	7.37E-02	3.88E-03	1.17E-03	8.78E-02
2354	495611.06	3860051.99	0.04606	0.09385	0.0201	0.01577	7.53E-03	7.28E-02	3.90E-03	1.16E-03	8.54E-02	7.42E-03	3.15E-06	4.28E-05	3.39E-05	7.50E-03	9.01E-03	7.28E-02	3.90E-03	1.16E-03	8.69E-02
2355	495661.06	3860051.99	0.04588	0.09243	0.0203	0.01572	7.50E-03	7.17E-02	3.93E-03	1.16E-03	8.43E-02	7.39E-03	3.10E-06	4.31E-05	3.38E-05	7.47E-03	8.98E-03	7.17E-02	3.93E-03	1.16E-03	8.58E-02
2356	494411.06	3860101.99	0.04953	0.1196	0.018	0.01746	8.10E-03	9.28E-02	3.49E-03	1.29E-03	1.06E-01	7.98E-03	4.02E-06	3.83E-05	3.76E-05	8.06E-03	9.69E-03	9.28E-02	3.49E-03	1.29E-03	1.07E-01
2357	494461.06	3860101.99	0.04935	0.11939	0.018	0.01733	8.07E-03	9.26E-02	3.49E-03	1.28E-03	1.05E-01	7.95E-03	4.01E-06	3.83E-05	3.73E-05	8.03E-03	9.66E-03	9.26E-02	3.49E-03	1.28E-03	1.07E-01
2358	494511.06	3860101.99	0.04917	0.11749	0.0181	0.01724	8.04E-03	9.11E-02	3.50E-03	1.27E-03	1.04E-01	7.92E-03	3.95E-06	3.84E-05	3.71E-05	8.00E-03	9.62E-03	9.11E-02	3.50E-03	1.27E-03	1.06E-01
2359	494561.06	3860101.99	0.04899	0.11684	0.0181	0.01713	8.01E-03	9.06E-02	3.51E-03	1.26E-03	1.03E-01	7.89E-03	3.92E-06	3.85E-05	3.69E-05	7.97E-03	9.59E-03	9.06E-02	3.51E-03	1.26E-03	1.05E-01
2360	494611.06	3860101.99	0.0488	0.11677	0.0181	0.017	7.98E-03	9.06E-02	3.51E-03	1.25E-03	1.03E-01	7.86E-03	3.92E-06	3.85E-05	3.66E-05	7.94E-03	9.55E-03	9.06E-02	3.51E-03	1.25E-03	1.05E-01
2361	494661.06	3860101.99	0.04863	0.11597	0.0181	0.01689	7.95E-03	9.00E-02	3.51E-03	1.24E-03	1.03E-01	7.84E-03	3.90E-06	3.85E-05	3.64E-05	7.91E-03	9.52E-03	9.00E-02	3.51E-03	1.24E-03	1.04E-01
2362	494711.06	3860101.99	0.04846	0.11415	0.0182	0.01682	7.93E-03	8.85E-02	3.53E-03	1.24E-03	1.01E-01	7.81E-03	3.83E-06	3.87E-05	3.62E-05	7.89E-03	9.48E-03	8.86E-02	3.53E-03	1.24E-03	1.03E-01
2363	494761.06	3860101.99	0.04829	0.11326	0.0182	0.01672	7.90E-03	8.79E-02	3.53E-03	1.23E-03	1.01E-01	7.78E-03	3.80E-06	3.87E-05	3.60E-05	7.86E-03	9.45E-03	8.79E-02	3.53E-03	1.23E-03	1.02E-01
2364	494811.06	3860101.99	0.04812	0.11244	0.0183	0.01662	7.87E-03	8.72E-02	3.54E-03	1.22E-03	9.99E-02	7.75E-03	3.78E-06	3.88E-05	3.58E-05	7.83E-03	9.42E-03	8.72E-02	3.54E-03	1.22E-03	1.01E-01
2365	494861.06	3860101.99	0.04792	0.11297	0.0182	0.01649	7.84E-03	8.76E-02	3.53E-03	1.21E-03	1.00E-01	7.72E-03	3.79E-06	3.88E-05	3.55E-05	7.80E-03	9.38E-03	8.76E-02	3.53E-03	1.21E-03	1.02E-01
2366	494911.06	3860101.99	0.04779	0.10978	0.0184	0.01645	7.82E-03	8.52E-02	3.56E-03	1.21E-03	9.77E-02	7.70E-03	3.69E-06	3.91E-05	3.54E-05	7.78E-03	9.35E-03	8.52E-02	3.56E-03	1.21E-03	9.93E-02
2367	494961.06	3860101.99	0.04763	0.1088	0.0184	0.01636	7.79E-03	8.44E-02	3.57E-03	1.20E-03	9.70E-02	7.67E-03	3.65E-06	3.92E-05	3.52E-05	7.75E-03	9.32E-03	8.44E-02	3.57E-03	1.20E-03	9.85E-02
2368	495011.06	3860101.99	0.04746	0.10734	0.0185	0.01628	7.76E-03	8.33E-02	3.59E-03	1.20E-03	9.58E-02	7.65E-03	3.61E-06	3.93E-05	3.50E-05	7.73E-03	9.29E-03	8.33E-02	3.59E-03	1.20E-03	9.73E-02
2369	495061.06	3860101.99	0.0473	0.106	0.0186	0.01621	7.74E-03	8.22E-02	3.60E-03	1.19E-03	9.48E-02	7.62E-03	3.56E-06	3.95E-05	3.49E-05	7.70E-03	9.26E-03	8.22E-02	3.60E-03	1.19E-03	9.63E-02
2370	495111.06	3860101.99	0.04714	0.10435	0.0187	0.01614	7.71E-03	8.09E-02	3.62E-03	1.19E-03	9.35E-02	7.60E-03	3.51E-06	3.97E-05	3.47E-05	7.67E-03	9.22E-03	8.09E-02	3.62E-03	1.19E-03	9.50E-02
2371	495161.06	3860101.99	0.04699	0.10352	0.0187	0.01606	7.69E-03	8.03E-02	3.63E-03	1.18E-03	9.28E-02	7.57E-03	3.48E-06	3.98E-05	3.46E-05	7.65E-03	9.20E-03	8.03E-02	3.63E-03	1.18E-03	9.43E-02
2372	495211.06	3860101.99	0.04683	0.10241	0.0188	0.01598	7.66E-03	7.94E-02	3.64E-03	1.18E-03	9.19E-02	7.55E-03	3.44E-06	4.00E-05	3.44E-05	7.62E-03	9.16E-03	7.94E-02	3.64E-03	1.18E-03	9.34E-02
2373	495261.06	3860101.99	0.04668	0.1013	0.0189	0.01591	7.64E-03	7.86E-02	3.66E-03	1.17E-03	9.10E-02	7.52E-03	3.40E-06	4.01E-05	3.43E-05	7.60E-03	9.13E-03	7.86E-02	3.66E-03	1.17E-03	9.25E-02
2374	495311.06	3860101.99	0.04653	0.10034	0.0189	0.01583	7.61E-03	7.78E-02	3.67E-03	1.17E-03	9.03E-02	7.50E-03	3.37E-06	4.02E-05	3.41E-05	7.58E-03	9.10E-03	7.78E-02	3.67E-03	1.17E-03	9.18E-02
2375	495361.06	3860101.99	0.04639	0.09964	0.0189	0.01574	7.59E-03	7.73E-02	3.67E-03	1.16E-03	8.97E-02	7.47E-03	3.35E-06	4.03E-05	3.39E-05	7.55E-03	9.08E-03	7.73E-02	3.67E-03	1.16E-03	9.12E-02

2376	495411.06	3860101.99	0.04624	0.09855	0.019	0.01568	7.56E-03	7.64E-02	3.69E-03	1.15E-03	8.88E-02	7.45E-03	3.31E-06	4.04E-05	3.38E-05	7.53E-03	9.05E-03	7.64E-02	3.69E-03	1.15E-03	9.03E-02
2377	495461.06	3860101.99	0.04591	0.09706	0.0191	0.01562	7.51E-03	7.53E-02	3.71E-03	1.15E-03	8.77E-02	7.40E-03	3.26E-06	4.07E-05	3.36E-05	7.48E-03	8.98E-03	7.53E-02	3.71E-03	1.15E-03	8.91E-02
2378	495511.06	3860101.99	0.04579	0.0964	0.0192	0.01554	7.49E-03	7.48E-02	3.72E-03	1.14E-03	8.71E-02	7.38E-03	3.24E-06	4.07E-05	3.35E-05	7.46E-03	8.96E-03	7.48E-02	3.72E-03	1.14E-03	8.86E-02
2379	495561.06	3860101.99	0.04566	0.09572	0.0192	0.01546	7.47E-03	7.43E-02	3.72E-03	1.14E-03	8.66E-02	7.36E-03	3.22E-06	4.08E-05	3.33E-05	7.43E-03	8.93E-03	7.43E-02	3.72E-03	1.14E-03	8.80E-02
2380	495611.06	3860101.99	0.04547	0.09428	0.0193	0.01541	7.44E-03	7.31E-02	3.75E-03	1.13E-03	8.55E-02	7.33E-03	3.17E-06	4.11E-05	3.32E-05	7.40E-03	8.90E-03	7.31E-02	3.75E-03	1.13E-03	8.69E-02
2381	495661.06	3860101.99	0.04532	0.09334	0.0194	0.01535	7.41E-03	7.24E-02	3.76E-03	1.13E-03	8.47E-02	7.30E-03	3.14E-06	4.12E-05	3.30E-05	7.38E-03	8.87E-03	7.24E-02	3.76E-03	1.13E-03	8.62E-02
2382	494861.06	3860151.99	0.04717	0.11364	0.0177	0.01611	7.72E-03	8.82E-02	3.43E-03	1.19E-03	1.00E-01	7.60E-03	3.82E-06	3.76E-05	3.47E-05	7.68E-03	9.23E-03	8.82E-02	3.43E-03	1.19E-03	1.02E-01
2383	494911.06	3860151.99	0.0471	0.1104	0.0177	0.01605	7.70E-03	8.56E-02	3.43E-03	1.18E-03	9.80E-02	7.59E-03	3.71E-06	3.77E-05	3.46E-05	7.67E-03	9.22E-03	8.56E-02	3.43E-03	1.18E-03	9.95E-02
2384	494961.06	3860151.99	0.04695	0.10909	0.0178	0.01597	7.68E-03	8.46E-02	3.44E-03	1.18E-03	9.69E-02	7.57E-03	3.66E-06	3.78E-05	3.44E-05	7.64E-03	9.19E-03	8.46E-02	3.44E-03	1.18E-03	9.84E-02
2385	495011.06	3860151.99	0.04679	0.10767	0.0178	0.0159	7.65E-03	8.35E-02	3.46E-03	1.17E-03	9.58E-02	7.54E-03	3.62E-06	3.79E-05	3.42E-05	7.62E-03	9.16E-03	8.35E-02	3.46E-03	1.17E-03	9.73E-02
2386	495061.06	3860151.99	0.04664	0.10629	0.0179	0.01583	7.63E-03	8.24E-02	3.47E-03	1.17E-03	9.47E-02	7.52E-03	3.57E-06	3.80E-05	3.41E-05	7.59E-03	9.13E-03	8.25E-02	3.47E-03	1.17E-03	9.62E-02
2387	495111.06	3860151.99	0.04649	0.10514	0.0179	0.01575	7.60E-03	8.16E-02	3.48E-03	1.16E-03	9.38E-02	7.49E-03	3.53E-06	3.81E-05	3.39E-05	7.57E-03	9.10E-03	8.16E-02	3.48E-03	1.16E-03	9.53E-02
2388	495161.06	3860151.99	0.04633	0.10411	0.018	0.01567	7.58E-03	8.08E-02	3.49E-03	1.15E-03	9.30E-02	7.47E-03	3.50E-06	3.82E-05	3.37E-05	7.54E-03	9.07E-03	8.08E-02	3.49E-03	1.15E-03	9.45E-02
2389	495211.06	3860151.99	0.04618	0.10294	0.0181	0.0156	7.55E-03	7.99E-02	3.50E-03	1.15E-03	9.21E-02	7.44E-03	3.46E-06	3.84E-05	3.36E-05	7.52E-03	9.04E-03	7.99E-02	3.50E-03	1.15E-03	9.35E-02
2390	495261.06	3860151.99	0.04603	0.10198	0.0181	0.01552	7.53E-03	7.91E-02	3.51E-03	1.14E-03	9.13E-02	7.42E-03	3.43E-06	3.85E-05	3.34E-05	7.49E-03	9.01E-03	7.91E-02	3.51E-03	1.14E-03	9.28E-02
2391	495311.06	3860151.99	0.04588	0.10101	0.0182	0.01545	7.50E-03	7.84E-02	3.52E-03	1.14E-03	9.05E-02	7.39E-03	3.39E-06	3.86E-05	3.33E-05	7.47E-03	8.98E-03	7.84E-02	3.52E-03	1.14E-03	9.20E-02
2392	495361.06	3860151.99	0.04574	0.10011	0.0182	0.01538	7.48E-03	7.77E-02	3.53E-03	1.13E-03	8.98E-02	7.37E-03	3.36E-06	3.87E-05	3.31E-05	7.45E-03	8.95E-03	7.77E-02	3.53E-03	1.13E-03	9.13E-02
2393	495411.06	3860151.99	0.04559	0.09906	0.0183	0.01531	7.46E-03	7.68E-02	3.54E-03	1.13E-03	8.90E-02	7.35E-03	3.33E-06	3.88E-05	3.30E-05	7.42E-03	8.92E-03	7.68E-02	3.54E-03	1.13E-03	9.04E-02
2394	495461.06	3860151.99	0.04545	0.09807	0.0183	0.01524	7.43E-03	7.61E-02	3.55E-03	1.12E-03	8.82E-02	7.32E-03	3.29E-06	3.90E-05	3.28E-05	7.40E-03	8.89E-03	7.61E-02	3.55E-03	1.12E-03	8.96E-02
2395	495511.06	3860151.99	0.04531	0.09691	0.0184	0.01518	7.41E-03	7.52E-02	3.57E-03	1.12E-03	8.73E-02	7.30E-03	3.26E-06	3.91E-05	3.27E-05	7.38E-03	8.87E-03	7.52E-02	3.57E-03	1.12E-03	8.87E-02
2396	495561.06	3860151.99	0.04517	0.09606	0.0184	0.01511	7.39E-03	7.45E-02	3.58E-03	1.11E-03	8.66E-02	7.28E-03	3.23E-06	3.92E-05	3.25E-05	7.35E-03	8.84E-03	7.45E-02	3.58E-03	1.11E-03	8.80E-02
2397	495611.06	3860151.99	0.04503	0.09496	0.0185	0.01505	7.37E-03	7.37E-02	3.59E-03	1.11E-03	8.57E-02	7.26E-03	3.19E-06	3.94E-05	3.24E-05	7.33E-03	8.81E-03	7.37E-02	3.59E-03	1.11E-03	8.72E-02
2398	495661.06	3860151.99	0.04489	0.09377	0.0186	0.01499	7.34E-03	7.27E-02	3.61E-03	1.10E-03	8.48E-02	7.23E-03	3.15E-06	3.96E-05	3.23E-05	7.31E-03	8.78E-03	7.27E-02	3.61E-03	1.10E-03	8.62E-02
2399	495718.25	3859442.96	0.04968	0.07464	0.0298	0.01885	8.13E-03	5.79E-02	5.77E-03	1.39E-03	7.32E-02	8.01E-03	2.51E-06	6.33E-05	4.06E-05	8.11E-03	9.72E-03	5.79E-02	5.77E-03	1.39E-03	7.48E-02
2400	495818.25	3859442.96	0.04896	0.0727	0.0295	0.01852	8.01E-03	5.64E-02	5.71E-03	1.36E-03	7.15E-02	7.89E-03	2.44E-06	6.27E-05	3.99E-05	7.99E-03	9.58E-03	5.64E-02	5.71E-03	1.36E-03	7.31E-02
2401	495918.25	3859442.96	0.04846	0.07127	0.0292	0.01825	7.93E-03	5.53E-02	5.67E-03	1.34E-03	7.02E-02	7.81E-03	2.39E-06	6.22E-05	3.93E-05	7.91E-03	9.48E-03	5.53E-02	5.67E-03	1.34E-03	7.18E-02
2402	496018.25	3859442.96	0.04805	0.07004	0.0291	0.01799	7.86E-03	5.43E-02	5.63E-03	1.32E-03	6.91E-02	7.74E-03	2.35E-06	6.18E-05	3.87E-05	7.85E-03	9.40E-03	5.43E-02	5.63E-03	1.32E-03	7.07E-02
2403	496118.25	3859442.96	0.04833	0.07028	0.0291	0.01791	7.90E-03	5.45E-02	5.64E-03	1.32E-03	6.94E-02	7.79E-03	2.36E-06	6.19E-05	3.86E-05	7.89E-03	9.46E-03	5.45E-02	5.64E-03	1.32E-03	7.09E-02
2404	496218.25	3859442.96	0.04849	0.07033	0.0291	0.0178	7.93E-03	5.46E-02	5.64E-03	1.31E-03	6.94E-02	7.81E-03	2.36E-06	6.19E-05	3.83E-05	7.92E-03	9.49E-03	5.46E-02	5.64E-03	1.31E-03	7.10E-02
2405	496318.25	3859442.96	0.04816	0.06926	0.029	0.01757	7.88E-03	5.37E-02	5.62E-03	1.29E-03	6.85E-02	7.76E-03	2.33E-06	6.16E-05	3.78E-05	7.86E-03	9.42E-03	5.37E-02	5.62E-03	1.29E-03	7.01E-02
2406	496418.25	3859442.96	0.04779	0.06813	0.0288	0.01734	7.82E-03	5.28E-02	5.59E-03	1.28E-03	6.75E-02	7.70E-03	2.29E-06	6.13E-05	3.73E-05	7.80E-03	9.35E-03	5.29E-02	5.59E-03	1.28E-03	6.91E-02
2407	495718.25	3859542.96	0.0497	0.07791	0.0287	0.01863	8.13E-03	6.04E-02	5.57E-03	1.37E-03	7.55E-02	8.01E-03	2.62E-06	6.11E-05	4.01E-05	8.11E-03	9.73E-03	6.04E-02	5.57E-03	1.37E-03	7.71E-02
2408	495818.25	3859542.96	0.04919	0.07632	0.0285	0.01837	8.05E-03	5.92E-02	5.53E-03	1.35E-03	7.41E-02	7.93E-03	2.56E-06	6.06E-05	3.95E-05	8.03E-03	9.63E-03	5.92E-02	5.53E-03	1.35E-03	7.57E-02
2409	495918.25	3859542.96	0.04858	0.07446	0.0283	0.01808	7.95E-03	5.78E-02	5.49E-03	1.33E-03	7.25E-02	7.83E-03	2.50E-06	6.01E-05	3.89E-05	7.93E-03	9.51E-03	5.78E-02	5.49E-03	1.33E-03	7.41E-02
2410	496018.25	3859542.96	0.04806	0.0729	0.0281	0.01781	7.86E-03	5.65E-02	5.44E-03	1.31E-03	7.12E-02	7.74E-03	2.45E-06	5.97E-05	3.83E-05	7.84E-03	9.40E-03	5.66E-02	5.44E-03	1.31E-03	7.27E-02
2411	496118.25	3859542.96	0.0482	0.07309	0.028	0.01771	7.88E-03	5.67E-02	5.42E-03	1.30E-03	7.13E-02	7.77E-03	2.46E-06	5.95E-05	3.81E-05	7.87E-03	9.43E-03	5.67E-02	5.42E-03	1.30E-03	7.29E-02
2412	496218.25	3859542.96	0.04816	0.07284	0.0279	0.01756	7.88E-03	5.65E-02	5.40E-03	1.29E-03	7.11E-02	7.76E-03	2.45E-06	5.92E-05	3.78E-05	7.86E-03	9.42E-03	5.65E-02	5.40E-03	1.29E-03	7.26E-02
2413	496318.25	3859542.96	0.04801	0.07227	0.0277	0.01739	7.85E-03	5.61E-02	5.38E-03	1.28E-03	7.06E-02	7.74E-03	2.43E-06	5.89E-05	3.74E-05	7.83E-03	9.39E-03	5.61E-02	5.38E-03	1.28E-03	7.21E-02
2414	496418.25	3859542.96	0.04751	0.07071	0.0276	0.01714	7.77E-03	5.48E-02	5.34E-03	1.26E-03	6.92E-02	7.66E-03	2.38E-06	5.86E-05	3.69E-05	7.75E-03	9.30E-03	5.49E-02	5.34E-03	1.26E-03	7.08E-02
2415	495718.25	3859642.96	0.04934	0.08069	0.0276	0.01824	8.07E-03	6.26E-02	5.34E-03	1.34E-03	7.73E-02	7.95E-03	2.71E-06	5.86E-05	3.93E-05	8.05E-03	9.65E-03	6.26E-02	5.34E-03	1.34E-03	7.89E-02
2416	495818.25	3859642.96	0.04879	0.07879	0.0274	0.01799	7.98E-03	6.11E-02	5.31E-03	1.32E-03	7.57E-02	7.86E-03	2.65E-06	5.83E-05	3.87E-05	7.96E-03	9.55E-03	6.11E-02	5.31E-03	1.32E-03	7.73E-02
2417	495918.25	3859642.96	0.0484	0.07749	0.0272	0.01777	7.92E-03	6.01E-02	5.28E-03	1.31E-03	7.46E-02	7.80E-03	2.60E-06	5.79E-05	3.83E-05	7.90E-03	9.47E-03	6.01E-02	5.28E-03	1.31E-03	7.62E-02
2418	496018.25	3859642.96	0.0479	0.07584	0.0271	0.01753	7.83E-03	5.88E-02	5.25E-03	1.29E-03	7.32E-02	7.72E-03	2.55E-06	5.75E-05	3.77E-05	7.82E-03	9.37E-03	5.88E-02	5.25E-03	1.29E-03	7.47E-02
2419	496118.25	3859642.96	0.04801	0.07628	0.0268	0.01742	7.85E-03	5.92E-02	5.20E-03	1.28E-03	7.35E-02	7.74E-03	2.56E-06	5.70E-05	3.75E-05	7.83E-03	9.39E-03	5.92E-02	5.20E-03	1.28E-03	7.51E-02
2420	496218.25	3859642.96	0.04794	0.07618	0.0266	0.01727	7.84E-03	5.91E-02	5.16E-03	1.27E-03	7.34E-02	7.72E-03	2.56E-06	5.66E-05	3.72E-05	7.82E-03	9.38E-03	5.91E-02	5.16E-03	1.27E-03	7.49E-02
2421	496318.25	3859642.96	0.04754	0.07481	0.0265	0.01706	7.78E-03	5.80E-02	5.13E-03	1.26E-03	7.22E-02	7.66E-03	2.51E-06	5.63E-05	3.67E-05	7.76E-03	9.30E-03	5.80E-02	5.13E-03	1.26E-03	7.37E-02
2422	496418.25	3859642.96	0.04629	0.07065	0.0264	0.01668	7.57E-03	5.48E-02	5.12E-03	1.23E-03	6.87E-02	7.46E-03	2.37E-06	5.61E-05	3.59E-05	7.55E-03	9.06E-03	5.48E-02	5.12E-03	1.23E-03	7.02E-02
2423	495718.25	3859742.96	0.04891	0.0843	0.026	0.01776	8.00E-03	6.54E-02	5.04E-03	1.31E-03	7.97E-02	7.88E-03	2.83E-06	5.53E-05	3.82E-05	7.98E-03	9.57E-03	6.54E-02	5.04E-03	1.31E-03	8.13E-02
2424	495818.25	3859742.96	0.04837	0.08198	0.026	0.01754	7.91E-03	6.36E-02	5.05E-03	1.29E-03	7.78E-02	7.79E-03	2.75E-06	5.54E-05	3.78E-05	7.89E-03	9.47E-03	6.36E-02	5.05E-03	1.29E-03	7.94E-02
2425	495918.25	3859742.96	0.04794	0.08027	0.026	0.01733	7.84E-03	6.23E-02	5.03E-03	1.28E-03	7.64E-02	7.72E-03	2.70E-06	5.52E-05	3.73E-05	7.82E-03	9.38E-03	6.23E-02	5.03E-03	1.28E-03	7.80E-02
2426	496018.25	3859742.96	0.04747	0.07846	0.0259	0.01712	7.76E-03	6.09E-02	5.02E-03	1.26E-03	7.49E-02	7.65E-03	2.64E-06	5.50E-05	3.69E-05	7.74E-03	9.29E-03	6.09E-02	5.02E-03	1.26E-03	7.64E-02
2427	496118.25	3859742.96	0.04742	0.07861	0.0256	0.01698	7.76E-03	6.10E-02	4.96E-03	1.25E-03	7.49E-02	7.64E-03	2.64E-06	5.44E-05	3.66E-05	7.73E-03	9.28E-03	6.10E-02	4.96E-03	1.25E-03	7.65E-02
2428	496218.25	3859742.96	0.04742	0.07912	0.0252	0.01683	7.76E-03	6.14E-02	4.89E-03	1.24E-03	7.53E-02	7.64E-03	2.66E-06	5.36E-05	3.62E-05	7.73E-03	9.28E-03	6.14E-02	4.89E-03	1.24E-03	7.68E-02
2429	496318.25	3859742.96	0.04653	0.07532	0.0254	0.01658	7.61E-03	5.84E-02	4.93E-03	1.22E-03	7.22E-02	7.50E-03	2.53E-06	5.40E-05	3.57E-05	7.59E-03	9.10E-03	5.84E-02	4.93E-03	1.22E-03	7.37E-02
2430	496418.25	3859742.96	0.04568	0.07201	0.0255	0.01636	7.47E-03	5.59E-02	4.94E-03	1.20E-03	6.95E-02	7.36E-03	2.42E-06	5.42E-05	3.52E-05	7.45E-03	8.94E-03	5.59E-02	4.94E-03	1.20E-03	7.09E-02
2431	495718.25	3859842.96	0.04806	0.08715	0.0242	0.01713	7.86E-03	6.76E-02	4.70E-03	1.26E-03	8.14E-02	7.74E-03	2.93E-06	5.15E-05	3.69E-05	7.84E-03	9.40E-03	6.76E-02	4.70E-03	1.26E-03	8.30E-02
2432	495818.25	3859842.96	0.04769	0.08526	0.0243	0.01696	7.80E-03	6.61E-02	4.71E-03	1.25E-03	7.99E-02	7.68E-03	2.86E-06	5.16E-05	3.65E-05	7.78E-03	9.33E-03	6.61E-02	4.71E-03	1.25E-03	8.14E-02
2433	495918.25	3859842.96	0.0473	0.08334	0.0243	0.01678	7.74E-03	6.46E-02	4.72E-03	1.24E-03	7.83E-02	7.62E-03	2.80E-06	5.17E-05	3.61E-05	7.71E-03	9.26E-03	6.47E-02	4.72E-03	1.24E-03	7.99E-02
2434	496018.25	3859842.96	0.047	0.08216	0.0242	0.01661	7.69E-03	6.37E-02	4.70E-03	1.22E-03	7.73E-02	7.57E-03	2.76E-06	5.15E-05	3.58E-05	7.66E-03	9.20E-03	6.37E-02	4.70E-03	1.22E-03	7.89E-02
2435	496118.25	3859842.96	0.04699	0.0829	0.0237	0.01644	7.69E-03	6.43E-02	4.60E-03	1.21E-03	7.78E-02	7.57E-03	2.78E-06	5.05E-05	3.54E-05	7.66E-03	9.20E-03	6.43E-02	4.60E-03	1.21E-03	7.93E-02
2436	496218.25	3859842.96	0.04629	0.07915	0.0241	0.01628	7.57E-03	6.14E-02	4.68E-03	1.20E-03	7.48E-02	7.46E-03	2.66E-06	5.13E-05	3.50E-05	7.55E-03	9.06E-03	6.14E-02	4.68E-03	1.20E-03	7.63E-02

2437	496318.25	3859842.96	0.04484	0.07264	0.0248	0.01596	7.33E-03	5.63E-02	4.80E-03	1.18E-03	6.97E-02	7.23E-03	2.44E-06	5.27E-05	3.44E-05	7.31E-03	8.77E-03	5.64E-02	4.80E-03	1.18E-03	7.11E-02
2438	496418.25	3859842.96	0.04365	0.06861	0.0247	0.0156	7.14E-03	5.32E-02	4.80E-03	1.15E-03	6.63E-02	7.03E-03	2.30E-06	5.26E-05	3.36E-05	7.12E-03	8.54E-03	5.32E-02	4.80E-03	1.15E-03	6.77E-02
2439	495718.25	3859942.96	0.04698	0.08937	0.0224	0.01643	7.68E-03	6.93E-02	4.34E-03	1.21E-03	8.26E-02	7.57E-03	3.00E-06	4.75E-05	3.54E-05	7.66E-03	9.19E-03	6.93E-02	4.34E-03	1.21E-03	8.41E-02
2440	495818.25	3859942.96	0.04665	0.08728	0.0225	0.01629	7.63E-03	6.77E-02	4.36E-03	1.20E-03	8.09E-02	7.52E-03	2.93E-06	4.79E-05	3.51E-05	7.60E-03	9.13E-03	6.77E-02	4.36E-03	1.20E-03	8.24E-02
2441	495918.25	3859942.96	0.04636	0.08579	0.0225	0.01613	7.58E-03	6.65E-02	4.37E-03	1.19E-03	7.97E-02	7.47E-03	2.88E-06	4.79E-05	3.47E-05	7.56E-03	9.07E-03	6.66E-02	4.37E-03	1.19E-03	8.12E-02
2442	496018.25	3859942.96	0.04621	0.08568	0.0223	0.01595	7.56E-03	6.65E-02	4.31E-03	1.17E-03	7.95E-02	7.45E-03	2.88E-06	4.73E-05	3.43E-05	7.53E-03	9.04E-03	6.65E-02	4.31E-03	1.17E-03	8.10E-02
2443	496118.25	3859942.96	0.04575	0.08263	0.0226	0.01584	7.48E-03	6.41E-02	4.38E-03	1.17E-03	7.71E-02	7.37E-03	2.78E-06	4.81E-05	3.41E-05	7.46E-03	8.95E-03	6.41E-02	4.38E-03	1.17E-03	7.86E-02
2444	496218.25	3859942.96	0.045	0.07798	0.0233	0.01571	7.36E-03	6.05E-02	4.51E-03	1.16E-03	7.35E-02	7.25E-03	2.62E-06	4.95E-05	3.38E-05	7.34E-03	8.81E-03	6.05E-02	4.51E-03	1.16E-03	7.50E-02
2445	496318.25	3859942.96	0.04408	0.0735	0.0238	0.0155	7.21E-03	5.70E-02	4.61E-03	1.14E-03	7.00E-02	7.10E-03	2.47E-06	5.06E-05	3.34E-05	7.19E-03	8.63E-03	5.70E-02	4.61E-03	1.14E-03	7.14E-02
2446	496418.25	3859942.96	0.04261	0.06798	0.024	0.01511	6.97E-03	5.27E-02	4.66E-03	1.11E-03	6.55E-02	6.87E-03	2.28E-06	5.11E-05	3.25E-05	6.95E-03	8.34E-03	5.27E-02	4.66E-03	1.11E-03	6.68E-02
2447	496856.82	3858864.83	0.04397	0.0508	0.0307	0.01681	7.19E-03	3.94E-02	5.96E-03	1.24E-03	5.38E-02	7.08E-03	1.71E-06	6.53E-05	3.62E-05	7.19E-03	8.60E-03	3.94E-02	5.96E-03	1.24E-03	5.52E-02
2448	496956.82	3858864.83	0.04341	0.04994	0.0302	0.01659	7.10E-03	3.87E-02	5.86E-03	1.22E-03	5.29E-02	6.99E-03	1.68E-06	6.42E-05	3.57E-05	7.10E-03	8.49E-03	3.87E-02	5.86E-03	1.22E-03	5.43E-02
2449	497056.82	3858864.83	0.0429	0.0491	0.0297	0.01639	7.02E-03	3.81E-02	5.76E-03	1.21E-03	5.21E-02	6.91E-03	1.65E-06	6.32E-05	3.53E-05	7.01E-03	8.39E-03	3.81E-02	5.76E-03	1.21E-03	5.35E-02
2450	497156.82	3858864.83	0.04219	0.04811	0.0292	0.01616	6.90E-03	3.73E-02	5.66E-03	1.19E-03	5.11E-02	6.80E-03	1.62E-06	6.21E-05	3.48E-05	6.90E-03	8.26E-03	3.73E-02	5.66E-03	1.19E-03	5.24E-02
2451	497256.82	3858864.83	0.04207	0.04769	0.029	0.01601	6.88E-03	3.70E-02	5.62E-03	1.18E-03	5.07E-02	6.78E-03	1.60E-06	6.16E-05	3.45E-05	6.88E-03	8.23E-03	3.70E-02	5.62E-03	1.18E-03	5.20E-02
2452	496856.82	3858964.83	0.04468	0.05288	0.0308	0.01679	7.31E-03	4.10E-02	5.98E-03	1.24E-03	5.55E-02	7.20E-03	1.78E-06	6.56E-05	3.61E-05	7.30E-03	8.74E-03	4.10E-02	5.98E-03	1.24E-03	5.70E-02
2453	496956.82	3858964.83	0.04383	0.05165	0.0302	0.01652	7.17E-03	4.01E-02	5.86E-03	1.22E-03	5.43E-02	7.06E-03	1.74E-06	6.43E-05	3.56E-05	7.16E-03	8.58E-03	4.01E-02	5.86E-03	1.22E-03	5.57E-02
2454	497056.82	3858964.83	0.04322	0.05069	0.0298	0.0163	7.07E-03	3.93E-02	5.78E-03	1.20E-03	5.34E-02	6.96E-03	1.70E-06	6.34E-05	3.51E-05	7.06E-03	8.46E-03	3.93E-02	5.78E-03	1.20E-03	5.48E-02
2455	497156.82	3858964.83	0.0426	0.04972	0.0294	0.01607	6.97E-03	3.86E-02	5.69E-03	1.18E-03	5.24E-02	6.86E-03	1.67E-06	6.24E-05	3.46E-05	6.96E-03	8.34E-03	3.86E-02	5.69E-03	1.18E-03	5.38E-02
2456	497256.82	3858964.83	0.04308	0.04993	0.0295	0.01602	7.05E-03	3.87E-02	5.71E-03	1.18E-03	5.27E-02	6.94E-03	1.68E-06	6.27E-05	3.45E-05	7.04E-03	8.43E-03	3.87E-02	5.71E-03	1.18E-03	5.41E-02
2457	496856.82	3859064.83	0.0447	0.05429	0.0306	0.01664	7.31E-03	4.21E-02	5.93E-03	1.23E-03	5.66E-02	7.20E-03	1.82E-06	6.50E-05	3.58E-05	7.31E-03	8.75E-03	4.21E-02	5.93E-03	1.23E-03	5.80E-02
2458	496956.82	3859064.83	0.04405	0.0532	0.0301	0.0164	7.20E-03	4.13E-02	5.84E-03	1.21E-03	5.55E-02	7.10E-03	1.79E-06	6.40E-05	3.53E-05	7.20E-03	8.62E-03	4.13E-02	5.84E-03	1.21E-03	5.69E-02
2459	497056.82	3859064.83	0.04354	0.0523	0.0297	0.0162	7.12E-03	4.06E-02	5.76E-03	1.19E-03	5.46E-02	7.02E-03	1.76E-06	6.32E-05	3.49E-05	7.12E-03	8.52E-03	4.06E-02	5.76E-03	1.19E-03	5.60E-02
2460	497156.82	3859064.83	0.04312	0.05151	0.0294	0.016	7.05E-03	4.00E-02	5.70E-03	1.18E-03	5.39E-02	6.95E-03	1.73E-06	6.25E-05	3.44E-05	7.05E-03	8.44E-03	4.00E-02	5.70E-03	1.18E-03	5.53E-02
2461	497256.82	3859064.83	0.04394	0.05214	0.0298	0.016	7.19E-03	4.04E-02	5.78E-03	1.18E-03	5.46E-02	7.08E-03	1.75E-06	6.34E-05	3.44E-05	7.18E-03	8.60E-03	4.04E-02	5.78E-03	1.18E-03	5.60E-02
2462	496856.82	3859164.83	0.04421	0.0551	0.0298	0.0164	7.23E-03	4.27E-02	5.78E-03	1.21E-03	5.70E-02	7.12E-03	1.85E-06	6.34E-05	3.53E-05	7.22E-03	8.65E-03	4.27E-02	5.78E-03	1.21E-03	5.84E-02
2463	496956.82	3859164.83	0.04352	0.0539	0.0294	0.01615	7.12E-03	4.18E-02	5.69E-03	1.19E-03	5.58E-02	7.01E-03	1.81E-06	6.24E-05	3.48E-05	7.11E-03	8.52E-03	4.18E-02	5.69E-03	1.19E-03	5.72E-02
2464	497056.82	3859164.83	0.04332	0.05332	0.0292	0.01599	7.09E-03	4.14E-02	5.66E-03	1.18E-03	5.53E-02	6.98E-03	1.79E-06	6.21E-05	3.44E-05	7.08E-03	8.48E-03	4.14E-02	5.66E-03	1.18E-03	5.67E-02
2465	497156.82	3859164.83	0.04367	0.05341	0.0294	0.01592	7.14E-03	4.14E-02	5.70E-03	1.17E-03	5.54E-02	7.04E-03	1.79E-06	6.25E-05	3.43E-05	7.14E-03	8.55E-03	4.14E-02	5.70E-03	1.17E-03	5.69E-02
2466	497256.82	3859164.83	0.04465	0.05435	0.03	0.01596	7.30E-03	4.22E-02	5.82E-03	1.18E-03	5.65E-02	7.19E-03	1.83E-06	6.38E-05	3.44E-05	7.29E-03	8.74E-03	4.22E-02	5.82E-03	1.18E-03	5.79E-02
2467	496856.82	3859264.83	0.04339	0.05548	0.0286	0.01609	7.10E-03	4.30E-02	5.54E-03	1.18E-03	5.69E-02	6.99E-03	1.86E-06	6.08E-05	3.46E-05	7.09E-03	8.49E-03	4.30E-02	5.54E-03	1.18E-03	5.83E-02
2468	496956.82	3859264.83	0.04339	0.05511	0.0286	0.01596	7.10E-03	4.27E-02	5.55E-03	1.18E-03	5.66E-02	6.99E-03	1.85E-06	6.08E-05	3.44E-05	7.09E-03	8.49E-03	4.28E-02	5.55E-03	1.18E-03	5.80E-02
2469	497056.82	3859264.83	0.04378	0.05527	0.0289	0.0159	7.16E-03	4.29E-02	5.60E-03	1.17E-03	5.68E-02	7.05E-03	1.86E-06	6.14E-05	3.42E-05	7.15E-03	8.57E-03	4.29E-02	5.60E-03	1.17E-03	5.82E-02
2470	497156.82	3859264.83	0.04407	0.05534	0.0291	0.01582	7.21E-03	4.29E-02	5.63E-03	1.16E-03	5.69E-02	7.10E-03	1.86E-06	6.18E-05	3.41E-05	7.20E-03	8.62E-03	4.29E-02	5.63E-03	1.16E-03	5.84E-02
2471	497256.82	3859264.83	0.04482	0.05611	0.0295	0.01584	7.33E-03	4.35E-02	5.73E-03	1.17E-03	5.77E-02	7.22E-03	1.88E-06	6.28E-05	3.41E-05	7.32E-03	8.77E-03	4.35E-02	5.73E-03	1.17E-03	5.92E-02
2472	497088.92	3858620.93	0.04095	0.04426	0.0296	0.01646	6.70E-03	3.43E-02	5.74E-03	1.21E-03	4.80E-02	6.60E-03	1.49E-06	6.30E-05	3.54E-05	6.70E-03	8.01E-03	3.43E-02	5.74E-03	1.21E-03	4.93E-02
2473	497138.92	3858620.93	0.04094	0.04411	0.0295	0.0164	6.70E-03	3.42E-02	5.72E-03	1.21E-03	4.78E-02	6.60E-03	1.48E-06	6.28E-05	3.53E-05	6.70E-03	8.01E-03	3.42E-02	5.72E-03	1.21E-03	4.92E-02
2474	497188.92	3858620.93	0.04049	0.0437	0.0292	0.01627	6.62E-03	3.39E-02	5.66E-03	1.20E-03	4.74E-02	6.52E-03	1.47E-06	6.21E-05	3.50E-05	6.62E-03	7.92E-03	3.39E-02	5.66E-03	1.20E-03	4.87E-02
2475	497238.92	3858620.93	0.04033	0.04343	0.0291	0.01619	6.60E-03	3.37E-02	5.63E-03	1.19E-03	4.71E-02	6.50E-03	1.46E-06	6.18E-05	3.49E-05	6.60E-03	7.89E-03	3.37E-02	5.63E-03	1.19E-03	4.84E-02
2476	497088.92	3858670.93	0.04069	0.04469	0.0291	0.01635	6.66E-03	3.47E-02	5.64E-03	1.20E-03	4.82E-02	6.56E-03	1.50E-06	6.19E-05	3.52E-05	6.66E-03	7.96E-03	3.47E-02	5.64E-03	1.20E-03	4.95E-02
2477	497138.92	3858670.93	0.04091	0.04476	0.0291	0.01631	6.69E-03	3.47E-02	5.64E-03	1.20E-03	4.83E-02	6.59E-03	1.50E-06	6.19E-05	3.51E-05	6.69E-03	8.01E-03	3.47E-02	5.64E-03	1.20E-03	4.96E-02
2478	497188.92	3858670.93	0.04059	0.04435	0.0289	0.01621	6.64E-03	3.44E-02	5.60E-03	1.19E-03	4.78E-02	6.54E-03	1.49E-06	6.14E-05	3.49E-05	6.64E-03	7.94E-03	3.44E-02	5.60E-03	1.19E-03	4.91E-02
2479	497238.92	3858670.93	0.04057	0.04419	0.0288	0.01614	6.64E-03	3.43E-02	5.58E-03	1.19E-03	4.77E-02	6.54E-03	1.48E-06	6.12E-05	3.47E-05	6.63E-03	7.94E-03	3.43E-02	5.58E-03	1.19E-03	4.90E-02
2480	497088.92	3858720.93	0.04154	0.04597	0.0293	0.01637	6.79E-03	3.57E-02	5.67E-03	1.21E-03	4.93E-02	6.69E-03	1.54E-06	6.22E-05	3.52E-05	6.79E-03	8.13E-03	3.57E-02	5.67E-03	1.21E-03	5.07E-02
2481	497138.92	3858720.93	0.0405	0.04498	0.0287	0.01619	6.62E-03	3.49E-02	5.56E-03	1.19E-03	4.83E-02	6.53E-03	1.51E-06	6.10E-05	3.49E-05	6.62E-03	7.93E-03	3.49E-02	5.56E-03	1.19E-03	4.96E-02
2482	497188.92	3858720.93	0.04033	0.04467	0.0285	0.01611	6.60E-03	3.47E-02	5.53E-03	1.19E-03	4.80E-02	6.50E-03	1.50E-06	6.06E-05	3.47E-05	6.60E-03	7.89E-03	3.47E-02	5.53E-03	1.19E-03	4.93E-02
2483	497238.92	3858720.93	0.04098	0.04505	0.0288	0.01611	6.70E-03	3.49E-02	5.58E-03	1.19E-03	4.84E-02	6.60E-03	1.51E-06	6.12E-05	3.47E-05	6.70E-03	8.02E-03	3.49E-02	5.58E-03	1.19E-03	4.97E-02
2484	497088.92	3858770.93	0.04163	0.04665	0.0291	0.0163	6.81E-03	3.62E-02	5.64E-03	1.20E-03	4.98E-02	6.71E-03	1.57E-06	6.18E-05	3.51E-05	6.81E-03	8.15E-03	3.62E-02	5.64E-03	1.20E-03	5.12E-02
2485	497138.92	3858770.93	0.04125	0.04615	0.0288	0.01619	6.75E-03	3.58E-02	5.59E-03	1.19E-03	4.93E-02	6.65E-03	1.55E-06	6.13E-05	3.49E-05	6.74E-03	8.07E-03	3.58E-02	5.59E-03	1.19E-03	5.07E-02
2486	497188.92	3858770.93	0.04114	0.04579	0.0288	0.01614	6.73E-03	3.55E-02	5.59E-03	1.19E-03	4.90E-02	6.63E-03	1.54E-06	6.13E-05	3.47E-05	6.73E-03	8.05E-03	3.55E-02	5.59E-03	1.19E-03	5.03E-02
2487	497238.92	3858770.93	0.04132	0.04592	0.0287	0.01607	6.76E-03	3.56E-02	5.57E-03	1.18E-03	4.91E-02	6.66E-03	1.54E-06	6.10E-05	3.46E-05	6.76E-03	8.09E-03	3.56E-02	5.57E-03	1.18E-03	5.05E-02
2488	497396.65	3858622.63	0.04218	0.0446	0.0295	0.0162	6.90E-03	3.46E-02	5.72E-03	1.19E-03	4.84E-02	6.80E-03	1.50E-06	6.28E-05	3.49E-05	6.90E-03	8.25E-03	3.46E-02	5.72E-03	1.19E-03	4.98E-02
2489	497496.65	3858622.63	0.04315	0.04521	0.0297	0.01622	7.06E-03	3.51E-02	5.76E-03	1.19E-03	4.91E-02	6.95E-03	1.52E-06	6.32E-05	3.49E-05	7.05E-03	8.44E-03	3.51E-02	5.76E-03	1.19E-03	5.05E-02
2490	497596.65	3858622.63	0.045	0.04657	0.0308	0.01637	7.36E-03	3.61E-02	5.97E-03	1.21E-03	5.07E-02	7.25E-03	1.56E-06	6.55E-05	3.52E-05	7.35E-03	8.81E-03	3.61E-02	5.97E-03	1.21E-03	5.21E-02
2491	497696.65	3858622.63	0.04541	0.04688	0.0307	0.01631	7.43E-03	3.64E-02	5.96E-03	1.20E-03	5.10E-02	7.32E-03	1.57E-06	6.53E-05	3.51E-05	7.42E-03	8.89E-03	3.64E-02	5.96E-03	1.20E-03	5.24E-02
2492	497796.65	3858622.63	0.04646	0.04772	0.0309	0.01636	7.60E-03	3.70E-02	6.00E-03	1.20E-03	5.18E-02	7.49E-03	1.60E-06	6.58E-05	3.52E-05	7.59E-03	9.09E-03	3.70E-02	6.00E-03	1.20E-03	5.33E-02
2493	497896.65	3858622.63	0.04747	0.04862	0.0312	0.01641	7.76E-03	3.77E-02	6.06E-03	1.21E-03	5.27E-02	7.65E-03	1.63E-06	6.64E-05	3.53E-05	7.75E-03	9.29E-03	3.77E-02	6.06E-03	1.21E-03	5.43E-02
2494	497396.65	3858722.63	0.04305	0.04652	0.0295	0.01618	7.04E-03	3.61E-02	5.71E-03	1.19E-03	5.00E-02	6.94E-03	1.56E-06	6.27E-05	3.48E-05	7.04E-03	8.42E-03	3.61E-02	5.71E-03	1.19E-03	5.14E-02
2495	497496.65	3858722.63	0.04402	0.04719	0.03	0.01619	7.20E-03	3.66E-02	5.81E-03	1.19E-03	5.08E-02	7.09E-03	1.59E-06	6.37E-05	3.49E-05	7.19E-03	8.61E-03	3.66E-02	5.81E-03	1.19E-03	5.22E-02
2496	497596.65	3858722.63	0.04564	0.04853	0.0306	0.01633	7.46E-03	3.76E-02	5.93E-03	1.20E-03	5.22E-02	7.35E-03	1.63E-06	6.50E-05	3.52E-05	7.46E-03	8.93E-03	3.76E-02	5.93E-03	1.20E-03	5.37E-02
2497	497696.65	3858722.63	0.04652	0.04925	0.0308	0.01635	7.61E-03	3.82E-02	5.98E-03	1.20E-03	5.30E-02	7.50E-03	1.65E-06	6.55E-05	3.52E-05	7.60E-03	9.10E-03	3.82E-02	5.98E-03	1.20E-03	5.45E-02

2498	497796.65	3858722.63	0.04697	0.04954	0.0309	0.0163	7.68E-03	3.84E-02	6.00E-03	1.20E-03	5.33E-02	7.57E-03	1.66E-06	6.57E-05	3.51E-05	7.67E-03	9.19E-03	3.84E-02	6.00E-03	1.20E-03	5.48E-02
2499	497896.65	3858722.63	0.04764	0.05012	0.0312	0.01631	7.79E-03	3.89E-02	6.04E-03	1.20E-03	5.39E-02	7.68E-03	1.68E-06	6.63E-05	3.51E-05	7.78E-03	9.32E-03	3.89E-02	6.04E-03	1.20E-03	5.54E-02
2500	497396.65	3858822.63	0.04337	0.04805	0.0297	0.01609	7.09E-03	3.73E-02	5.75E-03	1.18E-03	5.13E-02	6.99E-03	1.61E-06	6.31E-05	3.46E-05	7.09E-03	8.49E-03	3.73E-02	5.75E-03	1.18E-03	5.27E-02
2501	497496.65	3858822.63	0.04419	0.04861	0.0299	0.0161	7.23E-03	3.77E-02	5.79E-03	1.19E-03	5.19E-02	7.12E-03	1.63E-06	6.35E-05	3.47E-05	7.22E-03	8.65E-03	3.77E-02	5.79E-03	1.19E-03	5.33E-02
2502	497596.65	3858822.63	0.04616	0.05032	0.031	0.0163	7.55E-03	3.90E-02	6.01E-03	1.20E-03	5.38E-02	7.44E-03	1.69E-06	6.59E-05	3.51E-05	7.54E-03	9.03E-03	3.90E-02	6.01E-03	1.20E-03	5.53E-02
2503	497696.65	3858822.63	0.04664	0.05079	0.0309	0.01624	7.63E-03	3.94E-02	5.99E-03	1.20E-03	5.42E-02	7.52E-03	1.71E-06	6.57E-05	3.50E-05	7.62E-03	9.13E-03	3.94E-02	5.99E-03	1.20E-03	5.57E-02
2504	497796.65	3858822.63	0.04716	0.05105	0.0313	0.01624	7.71E-03	3.96E-02	6.07E-03	1.20E-03	5.46E-02	7.60E-03	1.71E-06	6.65E-05	3.50E-05	7.70E-03	9.23E-03	3.96E-02	6.07E-03	1.20E-03	5.61E-02
2505	497896.65	3858822.63	0.04817	0.05227	0.0316	0.01627	7.88E-03	4.05E-02	6.14E-03	1.20E-03	5.58E-02	7.76E-03	1.76E-06	6.73E-05	3.50E-05	7.87E-03	9.43E-03	4.05E-02	6.14E-03	1.20E-03	5.73E-02
2506	497396.65	3858922.63	0.04372	0.04967	0.0297	0.01601	7.15E-03	3.85E-02	5.75E-03	1.18E-03	5.26E-02	7.04E-03	1.67E-06	6.31E-05	3.45E-05	7.14E-03	8.56E-03	3.85E-02	5.75E-03	1.18E-03	5.40E-02
2507	497496.65	3858922.63	0.04527	0.05112	0.0304	0.01612	7.40E-03	3.97E-02	5.90E-03	1.19E-03	5.41E-02	7.29E-03	1.72E-06	6.47E-05	3.47E-05	7.40E-03	8.86E-03	3.97E-02	5.90E-03	1.19E-03	5.56E-02
2508	497596.65	3858922.63	0.04527	0.05088	0.0303	0.01601	7.40E-03	3.95E-02	5.88E-03	1.18E-03	5.39E-02	7.29E-03	1.71E-06	6.45E-05	3.45E-05	7.40E-03	8.86E-03	3.95E-02	5.88E-03	1.18E-03	5.54E-02
2509	497696.65	3858922.63	0.04705	0.05265	0.0317	0.01621	7.70E-03	4.08E-02	6.14E-03	1.19E-03	5.59E-02	7.58E-03	1.77E-06	6.73E-05	3.49E-05	7.69E-03	9.21E-03	4.08E-02	6.14E-03	1.19E-03	5.74E-02
2510	497796.65	3858922.63	0.04773	0.05352	0.0318	0.01619	7.81E-03	4.15E-02	6.16E-03	1.19E-03	5.67E-02	7.69E-03	1.80E-06	6.75E-05	3.49E-05	7.79E-03	9.34E-03	4.15E-02	6.16E-03	1.19E-03	5.82E-02
2511	497896.65	3858922.63	0.04908	0.05523	0.0329	0.01636	8.03E-03	4.28E-02	6.38E-03	1.20E-03	5.85E-02	7.91E-03	1.86E-06	6.99E-05	3.52E-05	8.02E-03	9.60E-03	4.28E-02	6.38E-03	1.20E-03	6.00E-02
2512	497364.44	3858201.52	0.04029	0.03921	0.0325	0.01649	6.59E-03	3.04E-02	6.30E-03	1.21E-03	4.45E-02	6.49E-03	1.32E-06	6.91E-05	3.55E-05	6.60E-03	7.88E-03	3.04E-02	6.30E-03	1.21E-03	4.58E-02
2513	497414.44	3858201.52	0.04095	0.03956	0.0326	0.0165	6.70E-03	3.07E-02	6.32E-03	1.21E-03	4.49E-02	6.60E-03	1.33E-06	6.93E-05	3.55E-05	6.70E-03	8.01E-03	3.07E-02	6.32E-03	1.21E-03	4.62E-02
2514	497464.44	3858201.52	0.04136	0.0398	0.0326	0.0165	6.76E-03	3.09E-02	6.32E-03	1.21E-03	4.52E-02	6.66E-03	1.34E-06	6.93E-05	3.55E-05	6.77E-03	8.09E-03	3.09E-02	6.32E-03	1.21E-03	4.65E-02
2515	497514.44	3858201.52	0.04135	0.03982	0.0325	0.01645	6.76E-03	3.09E-02	6.29E-03	1.21E-03	4.52E-02	6.66E-03	1.34E-06	6.90E-05	3.54E-05	6.77E-03	8.09E-03	3.09E-02	6.29E-03	1.21E-03	4.65E-02
2516	497564.44	3858201.52	0.04119	0.03963	0.0323	0.01638	6.74E-03	3.07E-02	6.26E-03	1.21E-03	4.49E-02	6.64E-03	1.33E-06	6.87E-05	3.53E-05	6.74E-03	8.06E-03	3.07E-02	6.26E-03	1.21E-03	4.63E-02
2517	497614.44	3858201.52	0.04129	0.03967	0.0322	0.01635	6.75E-03	3.08E-02	6.25E-03	1.20E-03	4.50E-02	6.65E-03	1.33E-06	6.85E-05	3.52E-05	6.76E-03	8.08E-03	3.08E-02	6.25E-03	1.20E-03	4.63E-02
2518	497364.44	3858251.52	0.04101	0.04018	0.0322	0.01652	6.71E-03	3.12E-02	6.24E-03	1.22E-03	4.53E-02	6.61E-03	1.35E-06	6.85E-05	3.56E-05	6.71E-03	8.02E-03	3.12E-02	6.24E-03	1.22E-03	4.67E-02
2519	497414.44	3858251.52	0.04164	0.04061	0.0323	0.01655	6.81E-03	3.15E-02	6.26E-03	1.22E-03	4.58E-02	6.71E-03	1.36E-06	6.86E-05	3.56E-05	6.82E-03	8.15E-03	3.15E-02	6.26E-03	1.22E-03	4.71E-02
2520	497464.44	3858251.52	0.0413	0.04028	0.0321	0.01645	6.76E-03	3.12E-02	6.22E-03	1.21E-03	4.54E-02	6.65E-03	1.35E-06	6.82E-05	3.54E-05	6.76E-03	8.08E-03	3.12E-02	6.22E-03	1.21E-03	4.68E-02
2521	497514.44	3858251.52	0.04087	0.03986	0.0318	0.01636	6.68E-03	3.09E-02	6.17E-03	1.20E-03	4.50E-02	6.59E-03	1.34E-06	6.77E-05	3.52E-05	6.69E-03	8.00E-03	3.09E-02	6.17E-03	1.20E-03	4.63E-02
2522	497564.44	3858251.52	0.04075	0.0397	0.0317	0.01629	6.67E-03	3.08E-02	6.14E-03	1.20E-03	4.48E-02	6.57E-03	1.33E-06	6.74E-05	3.51E-05	6.67E-03	7.97E-03	3.08E-02	6.14E-03	1.20E-03	4.61E-02
2523	497614.44	3858251.52	0.04064	0.03954	0.0316	0.01623	6.65E-03	3.07E-02	6.12E-03	1.19E-03	4.46E-02	6.55E-03	1.33E-06	6.71E-05	3.49E-05	6.65E-03	7.95E-03	3.07E-02	6.12E-03	1.19E-03	4.59E-02
2524	497364.44	3858301.52	0.04115	0.04069	0.0318	0.01652	6.73E-03	3.16E-02	6.17E-03	1.22E-03	4.57E-02	6.63E-03	1.37E-06	6.76E-05	3.56E-05	6.74E-03	8.05E-03	3.16E-02	6.17E-03	1.22E-03	4.70E-02
2525	497414.44	3858301.52	0.04152	0.04095	0.0318	0.0165	6.79E-03	3.18E-02	6.17E-03	1.21E-03	4.59E-02	6.69E-03	1.38E-06	6.76E-05	3.55E-05	6.79E-03	8.12E-03	3.18E-02	6.17E-03	1.21E-03	4.73E-02
2526	497464.44	3858301.52	0.04107	0.04053	0.0315	0.01639	6.72E-03	3.14E-02	6.11E-03	1.21E-03	4.55E-02	6.62E-03	1.36E-06	6.70E-05	3.53E-05	6.72E-03	8.04E-03	3.14E-02	6.11E-03	1.21E-03	4.68E-02
2527	497514.44	3858301.52	0.04079	0.04023	0.0313	0.01631	6.67E-03	3.12E-02	6.08E-03	1.20E-03	4.52E-02	6.57E-03	1.35E-06	6.66E-05	3.51E-05	6.68E-03	7.98E-03	3.12E-02	6.08E-03	1.20E-03	4.65E-02
2528	497564.44	3858301.52	0.04033	0.03978	0.0311	0.0162	6.60E-03	3.09E-02	6.03E-03	1.19E-03	4.47E-02	6.50E-03	1.34E-06	6.61E-05	3.49E-05	6.60E-03	7.89E-03	3.09E-02	6.03E-03	1.19E-03	4.60E-02
2529	497614.44	3858301.52	0.04019	0.0396	0.0309	0.01614	6.57E-03	3.07E-02	6.00E-03	1.19E-03	4.45E-02	6.48E-03	1.33E-06	6.58E-05	3.47E-05	6.58E-03	7.86E-03	3.07E-02	6.00E-03	1.19E-03	4.58E-02
2530	497364.44	3858351.52	0.04136	0.04135	0.0314	0.01649	6.76E-03	3.21E-02	6.09E-03	1.21E-03	4.61E-02	6.66E-03	1.39E-06	6.68E-05	3.55E-05	6.77E-03	8.09E-03	3.21E-02	6.09E-03	1.21E-03	4.75E-02
2531	497414.44	3858351.52	0.04109	0.04105	0.0312	0.0164	6.72E-03	3.18E-02	6.05E-03	1.21E-03	4.58E-02	6.62E-03	1.38E-06	6.63E-05	3.53E-05	6.72E-03	8.04E-03	3.18E-02	6.05E-03	1.21E-03	4.71E-02
2532	497464.44	3858351.52	0.04099	0.0409	0.0311	0.01634	6.70E-03	3.17E-02	6.03E-03	1.20E-03	4.57E-02	6.60E-03	1.37E-06	6.61E-05	3.52E-05	6.71E-03	8.02E-03	3.17E-02	6.03E-03	1.20E-03	4.70E-02
2533	497514.44	3858351.52	0.04077	0.04064	0.0309	0.01626	6.67E-03	3.15E-02	5.99E-03	1.20E-03	4.54E-02	6.57E-03	1.37E-06	6.57E-05	3.50E-05	6.67E-03	7.98E-03	3.15E-02	5.99E-03	1.20E-03	4.67E-02
2534	497564.44	3858351.52	0.0402	0.04012	0.0306	0.01613	6.58E-03	3.11E-02	5.93E-03	1.19E-03	4.48E-02	6.48E-03	1.35E-06	6.50E-05	3.47E-05	6.58E-03	7.87E-03	3.11E-02	5.93E-03	1.19E-03	4.61E-02
2535	497614.44	3858351.52	0.04009	0.03995	0.0305	0.01607	6.56E-03	3.10E-02	5.90E-03	1.18E-03	4.46E-02	6.46E-03	1.34E-06	6.47E-05	3.46E-05	6.56E-03	7.84E-03	3.10E-02	5.90E-03	1.18E-03	4.59E-02
2536	497364.44	3858401.52	0.04105	0.04148	0.031	0.01642	6.71E-03	3.22E-02	6.00E-03	1.21E-03	4.61E-02	6.61E-03	1.39E-06	6.58E-05	3.53E-05	6.72E-03	8.03E-03	3.22E-02	6.00E-03	1.21E-03	4.74E-02
2537	497414.44	3858401.52	0.04087	0.04133	0.0307	0.01633	6.68E-03	3.21E-02	5.95E-03	1.20E-03	4.59E-02	6.59E-03	1.39E-06	6.53E-05	3.52E-05	6.69E-03	8.00E-03	3.21E-02	5.95E-03	1.20E-03	4.72E-02
2538	497464.44	3858401.52	0.04057	0.041	0.0305	0.01624	6.64E-03	3.18E-02	5.91E-03	1.20E-03	4.55E-02	6.54E-03	1.38E-06	6.48E-05	3.50E-05	6.64E-03	7.94E-03	3.18E-02	5.91E-03	1.20E-03	4.69E-02
2539	497514.44	3858401.52	0.04042	0.04081	0.0303	0.01617	6.61E-03	3.17E-02	5.88E-03	1.19E-03	4.53E-02	6.51E-03	1.37E-06	6.45E-05	3.48E-05	6.61E-03	7.91E-03	3.17E-02	5.88E-03	1.19E-03	4.66E-02
2540	497564.44	3858401.52	0.04088	0.04107	0.0305	0.01617	6.69E-03	3.19E-02	5.91E-03	1.19E-03	4.56E-02	6.59E-03	1.38E-06	6.48E-05	3.48E-05	6.69E-03	8.00E-03	3.19E-02	5.91E-03	1.19E-03	4.70E-02
2541	497614.44	3858401.52	0.04148	0.04137	0.0306	0.01619	6.78E-03	3.21E-02	5.93E-03	1.19E-03	4.60E-02	6.68E-03	1.39E-06	6.51E-05	3.49E-05	6.79E-03	8.12E-03	3.21E-02	5.93E-03	1.19E-03	4.73E-02
2542	493478.11	3860497.94	0.04292	0.13986	0.013	0.01584	7.02E-03	1.08E-01	2.52E-03	1.17E-03	1.19E-01	6.92E-03	4.70E-06	2.77E-05	3.41E-05	6.98E-03	8.40E-03	1.08E-01	2.52E-03	1.17E-03	1.21E-01
2543	493528.11	3860497.94	0.04304	0.13848	0.0131	0.01577	7.04E-03	1.07E-01	2.54E-03	1.16E-03	1.18E-01	6.94E-03	4.65E-06	2.78E-05	3.39E-05	7.00E-03	8.42E-03	1.07E-01	2.54E-03	1.16E-03	1.20E-01
2544	493478.11	3860547.94	0.0417	0.13751	0.0125	0.01541	6.82E-03	1.07E-01	2.42E-03	1.13E-03	1.17E-01	6.72E-03	4.62E-06	2.65E-05	3.32E-05	6.78E-03	8.16E-03	1.07E-01	2.42E-03	1.13E-03	1.18E-01
2545	493528.11	3860547.94	0.04181	0.13628	0.0125	0.01535	6.84E-03	1.06E-01	2.43E-03	1.13E-03	1.16E-01	6.74E-03	4.58E-06	2.66E-05	3.30E-05	6.80E-03	8.18E-03	1.06E-01	2.43E-03	1.13E-03	1.17E-01
2546	493478.11	3860597.94	0.04051	0.13515	0.012	0.01497	6.63E-03	1.05E-01	2.33E-03	1.10E-03	1.15E-01	6.53E-03	4.54E-06	2.55E-05	3.22E-05	6.59E-03	7.93E-03	1.05E-01	2.33E-03	1.10E-03	1.16E-01
2547	493528.11	3860597.94	0.04063	0.13385	0.012	0.01492	6.65E-03	1.04E-01	2.33E-03	1.10E-03	1.14E-01	6.55E-03	4.50E-06	2.56E-05	3.21E-05	6.61E-03	7.95E-03	1.04E-01	2.33E-03	1.10E-03	1.15E-01
2548	493561.88	3860524.64	0.04248	0.13634	0.0128	0.01549	6.95E-03	1.06E-01	2.49E-03	1.14E-03	1.16E-01	6.84E-03	4.58E-06	2.73E-05	3.33E-05	6.91E-03	8.31E-03	1.06E-01	2.49E-03	1.14E-03	1.18E-01
2549	493591.88	3860524.64	0.04258	0.13549	0.0129	0.01544	6.96E-03	1.05E-01	2.50E-03	1.14E-03	1.16E-01	6.86E-03	4.55E-06	2.74E-05	3.32E-05	6.93E-03	8.33E-03	1.05E-01	2.50E-03	1.14E-03	1.17E-01
2550	493561.88	3860554.64	0.04175	0.13505	0.0125	0.01525	6.83E-03	1.05E-01	2.42E-03	1.12E-03	1.15E-01	6.73E-03	4.54E-06	2.66E-05	3.28E-05	6.79E-03	8.17E-03	1.05E-01	2.42E-03	1.12E-03	1.16E-01
2551	493591.88	3860554.64	0.04188	0.13412	0.0126	0.01518	6.85E-03	1.04E-01	2.44E-03	1.12E-03	1.14E-01	6.75E-03	4.51E-06	2.67E-05	3.27E-05	6.81E-03	8.20E-03	1.04E-01	2.44E-03	1.12E-03	1.16E-01
2552	492880.5	3860293.11	0.04582	0.17194	0.0141	0.01943	7.49E-03	1.33E-01	2.74E-03	1.43E-03	1.45E-01	7.38E-03	5.78E-06	3.00E-05	4.18E-05	7.46E-03	8.97E-03	1.33E-01	2.74E-03	1.43E-03	1.47E-01
2553	492930.5	3860293.11	0.04611	0.16965	0.0143	0.01924	7.54E-03	1.32E-01	2.77E-03	1.42E-03	1.43E-01	7.43E-03	5.70E-06	3.04E-05	4.14E-05	7.51E-03	9.02E-03	1.32E-01	2.77E-03	1.42E-03	1.45E-01
2554	492980.5	3860293.11	0.04641	0.16732	0.0145	0.01905	7.59E-03	1.30E-01	2.81E-03	1.40E-03	1.42E-01	7.48E-03	5.62E-06	3.08E-05	4.10E-05	7.56E-03	9.08E-03	1.30E-01	2.81E-03	1.40E-03	1.43E-01
2555	493030.5	3860293.11	0.04691	0.16395	0.0146	0.01881	7.67E-03	1.27E-01	2.84E-03	1.38E-03	1.39E-01	7.56E-03	5.51E-06	3.11E-05	4.05E-05	7.64E-03	9.18E-03	1.27E-01	2.84E-03	1.38E-03	1.41E-01
2556	493080.5	3860293.11	0.04738	0.15956	0.0144	0.01862	7.75E-03	1.24E-01	2.80E-03	1.37E-03	1.36E-01	7.63E-03	5.36E-06	3.07E-05	4.01E-05	7.71E-03	9.27E-03	1.24E-01	2.80E-03	1.37E-03	1.37E-01
2557	493130.5	3860293.11	0.04736	0.15941	0.0147	0.01852	7.75E-03	1.24E-01	2.85E-03	1.36E-03	1.36E-01	7.63E-03	5.35E-06	3.13E-05	3.99E-05	7.71E-03	9.27E-03	1.24E-01	2.85E-03	1.36E-03	1.37E-01
2558	493180.5	3860293.11	0.04734	0.1586	0.015	0.01843	7.74E-03	1.23E-01	2.90E-03	1.36E-03	1.35E-01	7.63E-03	5.33E-06	3.18E-05	3.97E-05	7.70E-03	9.26E-03	1.23E-01	2.90E-03	1.36E-03	1.37E-01

2559	493230.5	3860293.11	0.04744	0.15695	0.0151	0.01831	7.76E-03	1.22E-01	2.93E-03	1.35E-03	1.34E-01	7.64E-03	5.27E-06	3.21E-05	3.94E-05	7.72E-03	9.28E-03	1.22E-01	2.93E-03	1.35E-03	1.35E-01
2560	493280.5	3860293.11	0.04769	0.15438	0.015	0.01815	7.80E-03	1.20E-01	2.91E-03	1.34E-03	1.32E-01	7.68E-03	5.19E-06	3.20E-05	3.91E-05	7.76E-03	9.33E-03	1.20E-01	2.91E-03	1.34E-03	1.33E-01
2561	493330.5	3860293.11	0.04785	0.15225	0.0151	0.01802	7.83E-03	1.18E-01	2.92E-03	1.33E-03	1.30E-01	7.71E-03	5.11E-06	3.20E-05	3.88E-05	7.79E-03	9.36E-03	1.18E-01	2.92E-03	1.33E-03	1.32E-01
2562	493380.5	3860293.11	0.04796	0.15037	0.0151	0.01789	7.84E-03	1.17E-01	2.94E-03	1.32E-03	1.29E-01	7.73E-03	5.05E-06	3.22E-05	3.85E-05	7.80E-03	9.38E-03	1.17E-01	2.94E-03	1.32E-03	1.30E-01
2563	492880.5	3860343.11	0.04436	0.16916	0.0135	0.01888	7.26E-03	1.31E-01	2.62E-03	1.39E-03	1.42E-01	7.15E-03	5.68E-06	2.87E-05	4.06E-05	7.22E-03	8.68E-03	1.31E-01	2.62E-03	1.39E-03	1.44E-01
2564	492930.5	3860343.11	0.04464	0.16705	0.0136	0.01871	7.30E-03	1.30E-01	2.64E-03	1.38E-03	1.41E-01	7.19E-03	5.61E-06	2.90E-05	4.03E-05	7.27E-03	8.74E-03	1.30E-01	2.64E-03	1.38E-03	1.42E-01
2565	492980.5	3860343.11	0.0452	0.16411	0.014	0.01842	7.39E-03	1.27E-01	2.72E-03	1.36E-03	1.39E-01	7.28E-03	5.51E-06	2.98E-05	3.97E-05	7.36E-03	8.84E-03	1.27E-01	2.72E-03	1.36E-03	1.40E-01
2566	493030.5	3860343.11	0.04543	0.16209	0.0141	0.01828	7.43E-03	1.26E-01	2.74E-03	1.35E-03	1.37E-01	7.32E-03	5.44E-06	3.00E-05	3.94E-05	7.40E-03	8.89E-03	1.26E-01	2.74E-03	1.35E-03	1.39E-01
2567	493080.5	3860343.11	0.0459	0.15864	0.0141	0.01807	7.51E-03	1.23E-01	2.73E-03	1.33E-03	1.35E-01	7.40E-03	5.33E-06	2.99E-05	3.89E-05	7.47E-03	8.98E-03	1.23E-01	2.73E-03	1.33E-03	1.36E-01
2568	493130.5	3860343.11	0.04602	0.15726	0.0142	0.01797	7.53E-03	1.22E-01	2.76E-03	1.32E-03	1.34E-01	7.42E-03	5.28E-06	3.03E-05	3.87E-05	7.49E-03	9.01E-03	1.22E-01	2.76E-03	1.32E-03	1.35E-01
2569	493180.5	3860343.11	0.04598	0.15651	0.0144	0.01791	7.52E-03	1.21E-01	2.80E-03	1.32E-03	1.33E-01	7.41E-03	5.26E-06	3.07E-05	3.86E-05	7.48E-03	9.00E-03	1.21E-01	2.80E-03	1.32E-03	1.35E-01
2570	493230.5	3860343.11	0.04612	0.15481	0.0145	0.01779	7.54E-03	1.20E-01	2.81E-03	1.31E-03	1.32E-01	7.43E-03	5.20E-06	3.09E-05	3.83E-05	7.51E-03	9.02E-03	1.20E-01	2.81E-03	1.31E-03	1.33E-01
2571	493280.5	3860343.11	0.04641	0.15244	0.0146	0.01763	7.59E-03	1.18E-01	2.83E-03	1.30E-03	1.30E-01	7.48E-03	5.12E-06	3.10E-05	3.80E-05	7.55E-03	9.08E-03	1.18E-01	2.83E-03	1.30E-03	1.31E-01
2572	493330.5	3860343.11	0.04662	0.15028	0.0146	0.0175	7.63E-03	1.17E-01	2.83E-03	1.29E-03	1.28E-01	7.51E-03	5.05E-06	3.10E-05	3.77E-05	7.59E-03	9.12E-03	1.17E-01	2.83E-03	1.29E-03	1.30E-01
2573	493380.5	3860343.11	0.04675	0.14854	0.0147	0.01739	7.65E-03	1.15E-01	2.84E-03	1.28E-03	1.27E-01	7.53E-03	4.99E-06	3.11E-05	3.74E-05	7.61E-03	9.15E-03	1.15E-01	2.84E-03	1.28E-03	1.28E-01
2574	492880.5	3860393.11	0.04295	0.16626	0.013	0.01834	7.02E-03	1.29E-01	2.51E-03	1.35E-03	1.40E-01	6.92E-03	5.58E-06	2.76E-05	3.95E-05	6.99E-03	8.40E-03	1.29E-01	2.51E-03	1.35E-03	1.41E-01
2575	492930.5	3860393.11	0.04327	0.16414	0.0131	0.01816	7.08E-03	1.27E-01	2.54E-03	1.34E-03	1.38E-01	6.97E-03	5.51E-06	2.79E-05	3.91E-05	7.04E-03	8.47E-03	1.27E-01	2.54E-03	1.34E-03	1.40E-01
2576	492980.5	3860393.11	0.04368	0.16189	0.0133	0.01794	7.14E-03	1.26E-01	2.58E-03	1.32E-03	1.37E-01	7.04E-03	5.44E-06	2.83E-05	3.86E-05	7.11E-03	8.55E-03	1.26E-01	2.58E-03	1.32E-03	1.38E-01
2577	493030.5	3860393.11	0.04401	0.1597	0.0135	0.01776	7.20E-03	1.24E-01	2.61E-03	1.31E-03	1.35E-01	7.09E-03	5.36E-06	2.87E-05	3.82E-05	7.16E-03	8.61E-03	1.24E-01	2.61E-03	1.31E-03	1.36E-01
2578	493080.5	3860393.11	0.0445	0.15671	0.0137	0.01754	7.28E-03	1.22E-01	2.66E-03	1.29E-03	1.33E-01	7.17E-03	5.26E-06	2.92E-05	3.78E-05	7.24E-03	8.71E-03	1.22E-01	2.66E-03	1.29E-03	1.34E-01
2579	493130.5	3860393.11	0.04459	0.15545	0.0138	0.01746	7.29E-03	1.21E-01	2.68E-03	1.29E-03	1.32E-01	7.18E-03	5.22E-06	2.94E-05	3.76E-05	7.26E-03	8.73E-03	1.21E-01	2.68E-03	1.29E-03	1.33E-01
2580	493180.5	3860393.11	0.04459	0.15435	0.0137	0.01742	7.29E-03	1.20E-01	2.66E-03	1.28E-03	1.31E-01	7.18E-03	5.18E-06	2.92E-05	3.75E-05	7.26E-03	8.73E-03	1.20E-01	2.66E-03	1.28E-03	1.32E-01
2581	493230.5	3860393.11	0.04479	0.15256	0.0138	0.0173	7.33E-03	1.18E-01	2.68E-03	1.27E-03	1.30E-01	7.22E-03	5.12E-06	2.94E-05	3.72E-05	7.29E-03	8.76E-03	1.18E-01	2.68E-03	1.27E-03	1.31E-01
2582	493280.5	3860393.11	0.04511	0.15032	0.0141	0.01713	7.38E-03	1.17E-01	2.73E-03	1.26E-03	1.28E-01	7.27E-03	5.05E-06	2.99E-05	3.69E-05	7.34E-03	8.83E-03	1.17E-01	2.73E-03	1.26E-03	1.29E-01
2583	493330.5	3860393.11	0.04535	0.14828	0.0141	0.017	7.42E-03	1.15E-01	2.74E-03	1.25E-03	1.26E-01	7.31E-03	4.98E-06	3.01E-05	3.66E-05	7.38E-03	8.87E-03	1.15E-01	2.74E-03	1.25E-03	1.28E-01
2584	493380.5	3860393.11	0.04552	0.14654	0.0142	0.01689	7.45E-03	1.14E-01	2.75E-03	1.24E-03	1.25E-01	7.33E-03	4.92E-06	3.02E-05	3.64E-05	7.41E-03	8.91E-03	1.14E-01	2.75E-03	1.24E-03	1.27E-01
2585	492880.5	3860443.11	0.04165	0.16313	0.0125	0.01778	6.81E-03	1.27E-01	2.43E-03	1.31E-03	1.37E-01	6.71E-03	5.48E-06	2.67E-05	3.83E-05	6.78E-03	8.15E-03	1.27E-01	2.43E-03	1.31E-03	1.38E-01
2586	492930.5	3860443.11	0.04187	0.16124	0.0126	0.01765	6.85E-03	1.25E-01	2.44E-03	1.30E-03	1.36E-01	6.75E-03	5.42E-06	2.67E-05	3.80E-05	6.82E-03	8.19E-03	1.25E-01	2.44E-03	1.30E-03	1.37E-01
2587	492980.5	3860443.11	0.04222	0.15931	0.0127	0.01746	6.91E-03	1.24E-01	2.47E-03	1.29E-03	1.34E-01	6.80E-03	5.35E-06	2.70E-05	3.76E-05	6.87E-03	8.26E-03	1.24E-01	2.47E-03	1.29E-03	1.36E-01
2588	493030.5	3860443.11	0.04258	0.1572	0.0129	0.01728	6.96E-03	1.22E-01	2.50E-03	1.27E-03	1.33E-01	6.86E-03	5.28E-06	2.74E-05	3.72E-05	6.93E-03	8.33E-03	1.22E-01	2.50E-03	1.27E-03	1.34E-01
2589	493080.5	3860443.11	0.04283	0.15534	0.013	0.01715	7.01E-03	1.20E-01	2.51E-03	1.26E-03	1.31E-01	6.90E-03	5.22E-06	2.76E-05	3.69E-05	6.97E-03	8.38E-03	1.21E-01	2.51E-03	1.26E-03	1.33E-01
2590	493130.5	3860443.11	0.04308	0.15351	0.0131	0.01702	7.05E-03	1.19E-01	2.53E-03	1.25E-03	1.30E-01	6.94E-03	5.16E-06	2.78E-05	3.66E-05	7.01E-03	8.43E-03	1.19E-01	2.53E-03	1.25E-03	1.31E-01
2591	493180.5	3860443.11	0.04313	0.15209	0.013	0.01698	7.05E-03	1.18E-01	2.53E-03	1.25E-03	1.29E-01	6.95E-03	5.11E-06	2.77E-05	3.66E-05	7.02E-03	8.44E-03	1.18E-01	2.53E-03	1.25E-03	1.30E-01
2592	493230.5	3860443.11	0.0435	0.15006	0.0133	0.0168	7.11E-03	1.16E-01	2.57E-03	1.24E-03	1.27E-01	7.01E-03	5.04E-06	2.82E-05	3.62E-05	7.08E-03	8.51E-03	1.16E-01	2.57E-03	1.24E-03	1.29E-01
2593	493280.5	3860443.11	0.04377	0.14819	0.0134	0.01666	7.16E-03	1.15E-01	2.60E-03	1.23E-03	1.26E-01	7.05E-03	4.98E-06	2.85E-05	3.59E-05	7.12E-03	8.56E-03	1.15E-01	2.60E-03	1.23E-03	1.27E-01
2594	493330.5	3860443.11	0.04409	0.14609	0.0137	0.01651	7.21E-03	1.13E-01	2.65E-03	1.22E-03	1.24E-01	7.10E-03	4.91E-06	2.90E-05	3.55E-05	7.17E-03	8.63E-03	1.13E-01	2.65E-03	1.22E-03	1.26E-01
2595	493380.5	3860443.11	0.04422	0.14464	0.0137	0.01642	7.23E-03	1.12E-01	2.66E-03	1.21E-03	1.23E-01	7.13E-03	4.86E-06	2.92E-05	3.53E-05	7.19E-03	8.65E-03	1.12E-01	2.66E-03	1.21E-03	1.25E-01
2596	493180.5	3860493.11	0.04188	0.14936	0.0126	0.01647	6.85E-03	1.16E-01	2.44E-03	1.21E-03	1.26E-01	6.75E-03	5.02E-06	2.67E-05	3.55E-05	6.82E-03	8.20E-03	1.16E-01	2.44E-03	1.21E-03	1.28E-01
2597	493230.5	3860493.11	0.04218	0.1476	0.0127	0.01633	6.90E-03	1.14E-01	2.46E-03	1.20E-03	1.25E-01	6.80E-03	4.96E-06	2.70E-05	3.52E-05	6.86E-03	8.25E-03	1.14E-01	2.46E-03	1.20E-03	1.26E-01
2598	493280.5	3860493.11	0.04248	0.1458	0.0129	0.01619	6.95E-03	1.13E-01	2.49E-03	1.19E-03	1.24E-01	6.84E-03	4.90E-06	2.73E-05	3.49E-05	6.91E-03	8.31E-03	1.13E-01	2.49E-03	1.19E-03	1.25E-01
2599	493330.5	3860493.11	0.04273	0.14411	0.013	0.01607	6.99E-03	1.12E-01	2.52E-03	1.18E-03	1.22E-01	6.89E-03	4.84E-06	2.76E-05	3.46E-05	6.95E-03	8.36E-03	1.12E-01	2.52E-03	1.18E-03	1.24E-01
2600	493380.5	3860493.11	0.04287	0.14268	0.013	0.016	7.01E-03	1.11E-01	2.52E-03	1.18E-03	1.21E-01	6.91E-03	4.79E-06	2.77E-05	3.44E-05	6.97E-03	8.39E-03	1.11E-01	2.52E-03	1.18E-03	1.23E-01
2601	493330.5	3860543.11	0.04145	0.14172	0.0124	0.01562	6.78E-03	1.10E-01	2.41E-03	1.15E-03	1.20E-01	6.68E-03	4.76E-06	2.64E-05	3.36E-05	6.74E-03	8.11E-03	1.10E-01	2.41E-03	1.15E-03	1.22E-01
2602	493380.5	3860543.11	0.04159	0.14034	0.0125	0.01555	6.80E-03	1.09E-01	2.42E-03	1.14E-03	1.19E-01	6.70E-03	4.71E-06	2.65E-05	3.35E-05	6.77E-03	8.14E-03	1.09E-01	2.42E-03	1.14E-03	1.21E-01
2603	494135.94	3860876.85	0.03645	0.10824	0.0105	0.01192	5.96E-03	8.40E-02	2.03E-03	8.78E-04	9.28E-02	5.87E-03	3.64E-06	2.22E-05	2.57E-05	5.92E-03	7.13E-03	8.40E-02	2.03E-03	8.78E-04	9.40E-02
2604	494185.94	3860876.85	0.03658	0.10737	0.0105	0.01189	5.98E-03	8.33E-02	2.04E-03	8.75E-04	9.22E-02	5.89E-03	3.61E-06	2.23E-05	2.56E-05	5.95E-03	7.16E-03	8.33E-02	2.04E-03	8.75E-04	9.34E-02
2605	494135.94	3860926.85	0.03545	0.10614	0.0101	0.01149	5.80E-03	8.23E-02	1.96E-03	8.46E-04	9.09E-02	5.71E-03	3.57E-06	2.15E-05	2.47E-05	5.76E-03	6.94E-03	8.23E-02	1.96E-03	8.46E-04	9.21E-02
2606	494185.94	3860926.85	0.0356	0.10532	0.0102	0.01147	5.82E-03	8.17E-02	1.97E-03	8.44E-04	9.03E-02	5.74E-03	3.54E-06	2.16E-05	2.47E-05	5.79E-03	6.97E-03	8.17E-02	1.97E-03	8.44E-04	9.15E-02
2607	494135.94	3860976.85	0.03448	0.10405	0.0098	0.01109	5.64E-03	8.07E-02	1.91E-03	8.16E-04	8.91E-02	5.56E-03	3.50E-06	2.09E-05	2.39E-05	5.60E-03	6.75E-03	8.07E-02	1.91E-03	8.16E-04	9.02E-02
2608	494185.94	3860976.85	0.03464	0.10327	0.0099	0.01108	5.67E-03	8.01E-02	1.91E-03	8.16E-04	8.85E-02	5.58E-03	3.47E-06	2.10E-05	2.39E-05	5.63E-03	6.78E-03	8.01E-02	1.91E-03	8.16E-04	8.96E-02
2609	494135.94	3861026.85	0.03351	0.10195	0.0096	0.01071	5.48E-03	7.91E-02	1.85E-03	7.89E-04	8.72E-02	5.40E-03	3.42E-06	2.03E-05	2.31E-05	5.45E-03	6.56E-03	7.91E-02	1.85E-03	7.89E-04	8.83E-02
2610	494185.94	3861026.85	0.03368	0.10121	0.0096	0.0107	5.51E-03	7.85E-02	1.86E-03	7.88E-04	8.67E-02	5.43E-03	3.40E-06	2.04E-05	2.30E-05	5.47E-03	6.59E-03	7.85E-02	1.86E-03	7.88E-04	8.78E-02
2611	494135.94	3861076.85	0.03259	0.09987	0.0093	0.01035	5.33E-03	7.75E-02	1.81E-03	7.62E-04	8.54E-02	5.25E-03	3.35E-06	1.99E-05	2.23E-05	5.30E-03	6.38E-03	7.75E-02	1.81E-03	7.62E-04	8.64E-02
2612	494185.94	3861076.85	0.03275	0.09915	0.0094	0.01034	5.36E-03	7.69E-02	1.81E-03	7.61E-04	8.48E-02	5.28E-03	3.33E-06	1.99E-05	2.23E-05	5.32E-03	6.41E-03	7.69E-02	1.81E-03	7.61E-04	8.59E-02
2613	490360.04	3858710.04	0.11118	0.3486	0.0639	0.0495	1.82E-02	2.70E-01	1.24E-02	3.64E-03	3.05E-01	1.79E-02	1.17E-05	1.36E-04	1.07E-04	1.82E-02	2.18E-02	2.70E-01	1.24E-02	3.64E-03	3.08E-01
2614	490410.04	3858710.04	0.11162	0.34009	0.0637	0.04897	1.83E-02	2.64E-01	1.23E-02	3.61E-03	2.98E-01	1.80E-02	1.14E-05	1.35E-04	1.05E-04	1.82E-02	2.18E-02	2.64E-01	1.23E-02	3.61E-03	3.02E-01
2615	490460.04	3858710.04	0.11211	0.32933	0.0633	0.04847	1.83E-02	2.55E-01	1.23E-02	3.57E-03	2.90E-01	1.81E-02	1.11E-05	1.35E-04	1.04E-04	1.83E-02	2.19E-02	2.55E-01	1.23E-02	3.57E-03	2.93E-01
2616	490510.04	3858710.04	0.11235	0.32146	0.0631	0.04798	1.84E-02	2.49E-01	1.22E-02	3.53E-03	2.84E-01	1.81E-02	1.08E-05	1.34E-04	1.03E-04	1.84E-02	2.20E-02	2.49E-01	1.22E-02	3.53E-03	2.87E-01
2617	490560.04	3858710.04	0.11249	0.31461	0.0629	0.0475	1.84E-02	2.44E-01	1.22E-02	3.50E-03	2.78E-01	1.81E-02	1.06E-05	1.34E-04	1.02E-04	1.84E-02	2.20E-02	2.44E-01	1.22E-02	3.50E-03	2.82E-01
2618	490610.04	3858710.04	0.11257	0.30756	0.0628	0.04704	1.84E-02	2.39E-01	1.22E-02	3.46E-03	2.73E-01	1.81E-02	1.03E-05	1.33E-04	1.01E-04	1.84E-02	2.20E-02	2.39E-01	1.22E-02	3.46E-03	2.76E-01
2619	490660.04	3858710.04	0.11251	0.30288	0.0626	0.04657	1.84E-02	2.35E-01	1.21E-02	3.43E-03	2.69E-01	1.81E-02	1.02E-05	1.33E-04	1.00E-04	1.84E-02	2.20E-02	2.35E-01	1.21E-02	3.43E-03	2.73E-01

2620	490710.04	3858710.04	0.11254	0.29476	0.0625	0.04617	1.84E-02	2.29E-01	1.21E-02	3.40E-03	2.63E-01	1.81E-02	9.90E-06	1.33E-04	9.94E-05	1.84E-02	2.20E-02	2.29E-01	1.21E-02	3.40E-03	2.66E-01
2621	490760.04	3858710.04	0.11248	0.28772	0.0624	0.04576	1.84E-02	2.23E-01	1.21E-02	3.37E-03	2.57E-01	1.81E-02	9.66E-06	1.33E-04	9.85E-05	1.84E-02	2.20E-02	2.23E-01	1.21E-02	3.37E-03	2.61E-01
2622	490810.04	3858710.04	0.11233	0.28085	0.0624	0.04537	1.84E-02	2.18E-01	1.21E-02	3.34E-03	2.52E-01	1.81E-02	9.43E-06	1.33E-04	9.77E-05	1.83E-02	2.20E-02	2.18E-01	1.21E-02	3.34E-03	2.55E-01
2623	490860.04	3858710.04	0.11217	0.27275	0.0624	0.04502	1.83E-02	2.12E-01	1.21E-02	3.31E-03	2.45E-01	1.81E-02	9.16E-06	1.33E-04	9.69E-05	1.83E-02	2.19E-02	2.12E-01	1.21E-02	3.31E-03	2.49E-01
2624	490360.04	3858760.04	0.10696	0.35857	0.0589	0.05087	1.75E-02	2.78E-01	1.14E-02	3.75E-03	3.11E-01	1.72E-02	1.20E-05	1.25E-04	1.10E-04	1.75E-02	2.09E-02	2.78E-01	1.14E-02	3.75E-03	3.14E-01
2625	490410.04	3858760.04	0.10751	0.34886	0.0587	0.05029	1.76E-02	2.71E-01	1.14E-02	3.70E-03	3.03E-01	1.73E-02	1.17E-05	1.25E-04	1.08E-04	1.76E-02	2.10E-02	2.71E-01	1.14E-02	3.70E-03	3.07E-01
2626	490460.04	3858760.04	0.10799	0.33867	0.0585	0.04974	1.77E-02	2.63E-01	1.13E-02	3.66E-03	2.95E-01	1.74E-02	1.14E-05	1.24E-04	1.07E-04	1.76E-02	2.11E-02	2.63E-01	1.13E-02	3.66E-03	2.99E-01
2627	490510.04	3858760.04	0.10839	0.32849	0.0584	0.04922	1.77E-02	2.55E-01	1.13E-02	3.62E-03	2.87E-01	1.75E-02	1.10E-05	1.24E-04	1.06E-04	1.77E-02	2.12E-02	2.55E-01	1.13E-02	3.62E-03	2.91E-01
2628	490560.04	3858760.04	0.10865	0.3203	0.0582	0.0487	1.78E-02	2.48E-01	1.13E-02	3.59E-03	2.81E-01	1.75E-02	1.08E-05	1.24E-04	1.05E-04	1.77E-02	2.13E-02	2.48E-01	1.13E-02	3.59E-03	2.85E-01
2629	490610.04	3858760.04	0.10888	0.31184	0.0581	0.04822	1.78E-02	2.42E-01	1.13E-02	3.55E-03	2.75E-01	1.75E-02	1.05E-05	1.24E-04	1.04E-04	1.78E-02	2.13E-02	2.42E-01	1.13E-02	3.55E-03	2.78E-01
2630	490660.04	3858760.04	0.109	0.30429	0.0581	0.04774	1.78E-02	2.36E-01	1.13E-02	3.51E-03	2.69E-01	1.76E-02	1.02E-05	1.23E-04	1.03E-04	1.78E-02	2.13E-02	2.36E-01	1.13E-02	3.51E-03	2.72E-01
2631	490710.04	3858760.04	0.10908	0.29686	0.058	0.04727	1.78E-02	2.30E-01	1.13E-02	3.48E-03	2.63E-01	1.76E-02	9.97E-06	1.23E-04	1.02E-04	1.78E-02	2.13E-02	2.30E-01	1.13E-02	3.48E-03	2.66E-01
2632	490760.04	3858760.04	0.1091	0.28857	0.0581	0.04684	1.78E-02	2.24E-01	1.13E-02	3.45E-03	2.56E-01	1.76E-02	9.69E-06	1.23E-04	1.01E-04	1.78E-02	2.13E-02	2.24E-01	1.13E-02	3.45E-03	2.60E-01
2633	490810.04	3858760.04	0.10904	0.28092	0.0581	0.04642	1.78E-02	2.18E-01	1.13E-02	3.42E-03	2.50E-01	1.76E-02	9.44E-06	1.24E-04	9.99E-05	1.78E-02	2.13E-02	2.18E-01	1.13E-02	3.42E-03	2.54E-01
2634	490860.04	3858760.04	0.10889	0.27424	0.0582	0.04598	1.78E-02	2.13E-01	1.13E-02	3.39E-03	2.45E-01	1.75E-02	9.21E-06	1.24E-04	9.90E-05	1.78E-02	2.13E-02	2.13E-01	1.13E-02	3.39E-03	2.49E-01
2635	490360.04	3858810.04	0.10289	0.36639	0.0543	0.05229	1.68E-02	2.84E-01	1.05E-02	3.85E-03	3.15E-01	1.66E-02	1.23E-05	1.15E-04	1.13E-04	1.68E-02	2.01E-02	2.84E-01	1.05E-02	3.85E-03	3.19E-01
2636	490410.04	3858810.04	0.10352	0.35564	0.0542	0.05166	1.69E-02	2.76E-01	1.05E-02	3.80E-03	3.07E-01	1.67E-02	1.19E-05	1.15E-04	1.11E-04	1.69E-02	2.03E-02	2.76E-01	1.05E-02	3.80E-03	3.10E-01
2637	490460.04	3858810.04	0.10404	0.34491	0.0541	0.05105	1.70E-02	2.68E-01	1.05E-02	3.76E-03	2.99E-01	1.68E-02	1.16E-05	1.15E-04	1.10E-04	1.70E-02	2.04E-02	2.68E-01	1.05E-02	3.76E-03	3.02E-01
2638	490510.04	3858810.04	0.10444	0.33632	0.054	0.05046	1.71E-02	2.61E-01	1.05E-02	3.72E-03	2.92E-01	1.68E-02	1.13E-05	1.15E-04	1.09E-04	1.71E-02	2.04E-02	2.61E-01	1.05E-02	3.72E-03	2.96E-01
2639	490560.04	3858810.04	0.10478	0.32753	0.054	0.0499	1.71E-02	2.54E-01	1.05E-02	3.67E-03	2.85E-01	1.69E-02	1.10E-05	1.15E-04	1.07E-04	1.71E-02	2.05E-02	2.54E-01	1.05E-02	3.67E-03	2.89E-01
2640	490610.04	3858810.04	0.10513	0.31705	0.054	0.04937	1.72E-02	2.46E-01	1.05E-02	3.63E-03	2.77E-01	1.69E-02	1.07E-05	1.15E-04	1.06E-04	1.72E-02	2.06E-02	2.46E-01	1.05E-02	3.63E-03	2.81E-01
2641	490660.04	3858810.04	0.10538	0.30843	0.054	0.04885	1.72E-02	2.39E-01	1.05E-02	3.60E-03	2.71E-01	1.70E-02	1.04E-05	1.15E-04	1.05E-04	1.72E-02	2.06E-02	2.39E-01	1.05E-02	3.60E-03	2.74E-01
2642	490710.04	3858810.04	0.10556	0.29938	0.054	0.04835	1.73E-02	2.32E-01	1.05E-02	3.56E-03	2.64E-01	1.70E-02	1.01E-05	1.15E-04	1.04E-04	1.72E-02	2.07E-02	2.32E-01	1.05E-02	3.56E-03	2.67E-01
2643	490760.04	3858810.04	0.1057	0.2889	0.0542	0.0479	1.73E-02	2.24E-01	1.05E-02	3.53E-03	2.55E-01	1.70E-02	9.70E-06	1.15E-04	1.03E-04	1.73E-02	2.07E-02	2.24E-01	1.05E-02	3.53E-03	2.59E-01
2644	490810.04	3858810.04	0.10566	0.2834	0.0542	0.04737	1.73E-02	2.20E-01	1.05E-02	3.49E-03	2.51E-01	1.70E-02	9.52E-06	1.15E-04	1.02E-04	1.73E-02	2.07E-02	2.20E-01	1.05E-02	3.49E-03	2.55E-01
2645	490860.04	3858810.04	0.10561	0.27504	0.0543	0.04691	1.73E-02	2.13E-01	1.05E-02	3.45E-03	2.45E-01	1.70E-02	9.24E-06	1.16E-04	1.01E-04	1.72E-02	2.07E-02	2.13E-01	1.05E-02	3.45E-03	2.48E-01
2646	490360.04	3858860.04	0.09895	0.3715	0.05	0.05375	1.62E-02	2.88E-01	9.70E-03	3.96E-03	3.18E-01	1.59E-02	1.25E-05	1.06E-04	1.16E-04	1.62E-02	1.94E-02	2.88E-01	9.70E-03	3.96E-03	3.21E-01
2647	490410.04	3858860.04	0.09947	0.36342	0.0501	0.05304	1.63E-02	2.82E-01	9.71E-03	3.91E-03	3.12E-01	1.60E-02	1.22E-05	1.06E-04	1.14E-04	1.63E-02	1.95E-02	2.82E-01	9.71E-03	3.91E-03	3.15E-01
2648	490460.04	3858860.04	0.10012	0.35114	0.0501	0.05238	1.64E-02	2.72E-01	9.71E-03	3.86E-03	3.02E-01	1.61E-02	1.18E-05	1.06E-04	1.13E-04	1.64E-02	1.96E-02	2.72E-01	9.71E-03	3.86E-03	3.06E-01
2649	490510.04	3858860.04	0.10052	0.34384	0.0501	0.0517	1.64E-02	2.67E-01	9.71E-03	3.81E-03	2.97E-01	1.62E-02	1.16E-05	1.06E-04	1.11E-04	1.64E-02	1.97E-02	2.67E-01	9.71E-03	3.81E-03	3.00E-01
2650	490560.04	3858860.04	0.10099	0.33321	0.0501	0.05108	1.65E-02	2.58E-01	9.71E-03	3.76E-03	2.88E-01	1.63E-02	1.12E-05	1.06E-04	1.10E-04	1.65E-02	1.98E-02	2.58E-01	9.71E-03	3.76E-03	2.92E-01
2651	490610.04	3858860.04	0.10147	0.32036	0.0501	0.05053	1.66E-02	2.49E-01	9.72E-03	3.72E-03	2.79E-01	1.64E-02	1.08E-05	1.07E-04	1.09E-04	1.66E-02	1.99E-02	2.49E-01	9.72E-03	3.72E-03	2.82E-01
2652	490660.04	3858860.04	0.10176	0.31149	0.0502	0.04994	1.66E-02	2.42E-01	9.73E-03	3.68E-03	2.72E-01	1.64E-02	1.05E-05	1.07E-04	1.08E-04	1.66E-02	1.99E-02	2.42E-01	9.73E-03	3.68E-03	2.75E-01
2653	490710.04	3858860.04	0.10197	0.3043	0.0503	0.04933	1.67E-02	2.36E-01	9.75E-03	3.63E-03	2.66E-01	1.64E-02	1.02E-05	1.07E-04	1.06E-04	1.67E-02	2.00E-02	2.36E-01	9.75E-03	3.63E-03	2.69E-01
2654	490760.04	3858860.04	0.10218	0.29356	0.0504	0.04882	1.67E-02	2.28E-01	9.78E-03	3.59E-03	2.58E-01	1.65E-02	9.86E-06	1.07E-04	1.05E-04	1.67E-02	2.00E-02	2.28E-01	9.78E-03	3.59E-03	2.61E-01
2655	490810.04	3858860.04	0.1023	0.28383	0.0506	0.04831	1.67E-02	2.20E-01	9.82E-03	3.56E-03	2.50E-01	1.65E-02	9.53E-06	1.08E-04	1.04E-04	1.67E-02	2.00E-02	2.20E-01	9.82E-03	3.56E-03	2.54E-01
2656	490860.04	3858860.04	0.1023	0.27423	0.0509	0.04782	1.67E-02	2.13E-01	9.87E-03	3.52E-03	2.43E-01	1.65E-02	9.21E-06	1.08E-04	1.03E-04	1.67E-02	2.00E-02	2.13E-01	9.87E-03	3.52E-03	2.46E-01
2657	490360.04	3858910.04	0.09481	0.38263	0.0461	0.05519	1.55E-02	2.97E-01	8.94E-03	4.06E-03	3.25E-01	1.53E-02	1.29E-05	9.81E-05	1.19E-04	1.55E-02	1.86E-02	2.97E-01	8.94E-03	4.06E-03	3.28E-01
2658	490410.04	3858910.04	0.09547	0.3715	0.0462	0.0544	1.56E-02	2.88E-01	8.97E-03	4.01E-03	3.17E-01	1.54E-02	1.25E-05	9.83E-05	1.17E-04	1.56E-02	1.87E-02	2.88E-01	8.97E-03	4.01E-03	3.20E-01
2659	490460.04	3858910.04	0.09613	0.36001	0.0463	0.05365	1.57E-02	2.79E-01	8.98E-03	3.95E-03	3.08E-01	1.55E-02	1.21E-05	9.85E-05	1.15E-04	1.57E-02	1.88E-02	2.79E-01	8.98E-03	3.95E-03	3.11E-01
2660	490510.04	3858910.04	0.09674	0.34822	0.0464	0.05293	1.58E-02	2.70E-01	9.00E-03	3.90E-03	2.99E-01	1.56E-02	1.17E-05	9.87E-05	1.14E-04	1.58E-02	1.89E-02	2.70E-01	9.00E-03	3.90E-03	3.02E-01
2661	490560.04	3858910.04	0.09729	0.33613	0.0465	0.05226	1.59E-02	2.61E-01	9.02E-03	3.85E-03	2.90E-01	1.57E-02	1.13E-05	9.89E-05	1.13E-04	1.59E-02	1.90E-02	2.61E-01	9.02E-03	3.85E-03	2.93E-01
2662	490610.04	3858910.04	0.09779	0.32431	0.0466	0.05161	1.60E-02	2.52E-01	9.04E-03	3.80E-03	2.80E-01	1.58E-02	1.09E-05	9.91E-05	1.11E-04	1.60E-02	1.91E-02	2.52E-01	9.04E-03	3.80E-03	2.84E-01
2663	490660.04	3858910.04	0.09816	0.31472	0.0467	0.05096	1.61E-02	2.44E-01	9.06E-03	3.75E-03	2.73E-01	1.58E-02	1.06E-05	9.94E-05	1.10E-04	1.60E-02	1.92E-02	2.44E-01	9.06E-03	3.75E-03	2.76E-01
2664	490710.04	3858910.04	0.09848	0.30423	0.0469	0.05035	1.61E-02	2.36E-01	9.10E-03	3.71E-03	2.65E-01	1.59E-02	1.02E-05	9.97E-05	1.08E-04	1.61E-02	1.93E-02	2.36E-01	9.10E-03	3.71E-03	2.68E-01
2665	490760.04	3858910.04	0.09876	0.29261	0.0472	0.04979	1.62E-02	2.27E-01	9.14E-03	3.67E-03	2.56E-01	1.59E-02	9.83E-06	1.00E-04	1.07E-04	1.61E-02	1.93E-02	2.27E-01	9.14E-03	3.67E-03	2.59E-01
2666	490810.04	3858910.04	0.0989	0.2841	0.0474	0.0492	1.62E-02	2.20E-01	9.18E-03	3.62E-03	2.49E-01	1.59E-02	9.54E-06	1.01E-04	1.06E-04	1.62E-02	1.94E-02	2.20E-01	9.18E-03	3.62E-03	2.53E-01
2667	490860.04	3858910.04	0.09898	0.27321	0.0477	0.04869	1.62E-02	2.12E-01	9.26E-03	3.58E-03	2.41E-01	1.59E-02	9.18E-06	1.01E-04	1.05E-04	1.62E-02	1.94E-02	2.12E-01	9.26E-03	3.58E-03	2.44E-01
2668	490360.04	3858960.04	0.09097	0.38873	0.0425	0.05661	1.49E-02	3.02E-01	8.23E-03	4.17E-03	3.29E-01	1.47E-02	1.31E-05	9.03E-05	1.22E-04	1.49E-02	1.78E-02	3.02E-01	8.23E-03	4.17E-03	3.32E-01
2669	490410.04	3858960.04	0.09172	0.37571	0.0426	0.05574	1.50E-02	2.91E-01	8.27E-03	4.10E-03	3.19E-01	1.48E-02	1.26E-05	9.07E-05	1.20E-04	1.50E-02	1.79E-02	2.91E-01	8.27E-03	4.10E-03	3.22E-01
2670	490460.04	3858960.04	0.09243	0.36229	0.0428	0.05492	1.51E-02	2.81E-01	8.30E-03	4.04E-03	3.08E-01	1.49E-02	1.22E-05	9.10E-05	1.18E-04	1.51E-02	1.81E-02	2.81E-01	8.30E-03	4.04E-03	3.11E-01
2671	490510.04	3858960.04	0.09304	0.35037	0.043	0.05413	1.52E-02	2.72E-01	8.33E-03	3.99E-03	2.99E-01	1.50E-02	1.18E-05	9.14E-05	1.17E-04	1.52E-02	1.82E-02	2.72E-01	8.33E-03	3.99E-03	3.02E-01
2672	490560.04	3858960.04	0.0936	0.33887	0.0432	0.05336	1.53E-02	2.63E-01	8.37E-03	3.93E-03	2.90E-01	1.51E-02	1.14E-05	9.18E-05	1.15E-04	1.53E-02	1.83E-02	2.63E-01	8.37E-03	3.93E-03	2.93E-01
2673	490610.04	3858960.04	0.09419	0.32521	0.0434	0.05267	1.54E-02	2.52E-01	8.41E-03	3.88E-03	2.80E-01	1.52E-02	1.09E-05	9.22E-05	1.13E-04	1.54E-02	1.84E-02	2.52E-01	8.41E-03	3.88E-03	2.83E-01
2674	490660.04	3858960.04	0.09457	0.31763	0.0435	0.05192	1.55E-02	2.46E-01	8.44E-03	3.82E-03	2.74E-01	1.52E-02	1.07E-05	9.25E-05	1.12E-04	1.55E-02	1.85E-02	2.46E-01	8.44E-03	3.82E-03	2.77E-01
2675	490710.04	3858960.04	0.09498	0.30498	0.0438	0.05129	1.55E-02	2.37E-01	8.49E-03	3.78E-03	2.64E-01	1.53E-02	1.02E-05	9.31E-05	1.10E-04	1.55E-02	1.86E-02	2.37E-01	8.49E-03	3.78E-03	2.67E-01
2676	490760.04	3858960.04	0.09529	0.29403	0.044	0.05066	1.56E-02	2.28E-01	8.54E-03	3.73E-03	2.56E-01	1.54E-02	9.88E-06	9.36E-05	1.09E-04	1.56E-02	1.86E-02	2.28E-01	8.54E-03	3.73E-03	2.59E-01
2677	490810.04	3858960.04	0.0955	0.28339	0.0444	0.05007	1.56E-02	2.20E-01	8.60E-03	3.69E-03	2.48E-01	1.54E-02	9.52E-06	9.43E-05	1.08E-04	1.56E-02	1.87E-02	2.20E-01	8.60E-03	3.69E-03	2.51E-01
2678	490860.04	3858960.04	0.09564	0.27173	0.0448	0.04953	1.56E-02	2.11E-01	8.68E-03	3.65E-03	2.39E-01	1.54E-02	9.13E-06	9.52E-05	1.07E-04	1.56E-02	1.87E-02	2.11E-01	8.68E-03	3.65E-03	2.42E-01
2679	490360.04	3859010.04	0.08729	0.39398	0.0391	0.05795	1.43E-02	3.06E-01	7.58E-03	4.27E-03	3.32E-01	1.41E-02	1.32E-05	8.31E-05	1.25E-04	1.43E-02	1.71E-02	3.06E-01	7.58E-03	4.27E-03	3.35E-01
2680	490410.04	3859010.04	0.08806	0.37935	0.0393	0.057	1.44E-02	2.94E-01	7.62E-03	4.20E-03	3.20E-01	1.42E-02	1.27E-05	8.36E-05	1.23E-04	1.44E-02	1.72E-02	2.94E-01	7.62E-03	4.20E-03	3.23E-01

2681	490460.04	3859010.04	0.08881	0.36321	0.0395	0.05612	1.45E-02	2.82E-01	7.67E-03	4.13E-03	3.08E-01	1.43E-02	1.22E-05	8.40E-05	1.21E-04	1.45E-02	1.74E-02	2.82E-01	7.67E-03	4.13E-03	3.11E-01
2682	490510.04	3859010.04	0.08951	0.34816	0.0398	0.05529	1.46E-02	2.70E-01	7.71E-03	4.07E-03	2.96E-01	1.44E-02	1.17E-05	8.46E-05	1.19E-04	1.46E-02	1.75E-02	2.70E-01	7.71E-03	4.07E-03	2.99E-01
2683	490560.04	3859010.04	0.09004	0.33885	0.04	0.05443	1.47E-02	2.63E-01	7.76E-03	4.01E-03	2.89E-01	1.45E-02	1.14E-05	8.51E-05	1.17E-04	1.47E-02	1.76E-02	2.63E-01	7.76E-03	4.01E-03	2.92E-01
2684	490610.04	3859010.04	0.09062	0.32513	0.0403	0.05368	1.48E-02	2.52E-01	7.82E-03	3.95E-03	2.79E-01	1.46E-02	1.09E-05	8.57E-05	1.16E-04	1.48E-02	1.77E-02	2.52E-01	7.82E-03	3.95E-03	2.82E-01
2685	490660.04	3859010.04	0.09105	0.31771	0.0405	0.05286	1.49E-02	2.46E-01	7.86E-03	3.89E-03	2.73E-01	1.47E-02	1.07E-05	8.62E-05	1.14E-04	1.49E-02	1.78E-02	2.46E-01	7.86E-03	3.89E-03	2.76E-01
2686	490710.04	3859010.04	0.09151	0.30434	0.0409	0.05219	1.50E-02	2.36E-01	7.92E-03	3.84E-03	2.63E-01	1.47E-02	1.02E-05	8.69E-05	1.12E-04	1.50E-02	1.79E-02	2.36E-01	7.92E-03	3.84E-03	2.66E-01
2687	490760.04	3859010.04	0.09184	0.29259	0.0412	0.05154	1.50E-02	2.27E-01	7.99E-03	3.79E-03	2.54E-01	1.48E-02	9.83E-06	8.76E-05	1.11E-04	1.50E-02	1.80E-02	2.27E-01	7.99E-03	3.79E-03	2.57E-01
2688	490810.04	3859010.04	0.09211	0.28115	0.0416	0.05092	1.51E-02	2.18E-01	8.06E-03	3.75E-03	2.45E-01	1.48E-02	9.44E-06	8.84E-05	1.10E-04	1.50E-02	1.80E-02	2.18E-01	8.06E-03	3.75E-03	2.48E-01
2689	490860.04	3859010.04	0.09231	0.27101	0.0419	0.05032	1.51E-02	2.10E-01	8.13E-03	3.70E-03	2.37E-01	1.49E-02	9.10E-06	8.92E-05	1.08E-04	1.51E-02	1.81E-02	2.10E-01	8.13E-03	3.70E-03	2.40E-01
2690	490360.04	3859060.04	0.08385	0.39705	0.036	0.0592	1.37E-02	3.08E-01	6.98E-03	4.36E-03	3.33E-01	1.35E-02	1.33E-05	7.65E-05	1.27E-04	1.37E-02	1.64E-02	3.08E-01	6.98E-03	4.36E-03	3.36E-01
2691	490410.04	3859060.04	0.08464	0.37822	0.0362	0.05819	1.38E-02	2.93E-01	7.02E-03	4.28E-03	3.19E-01	1.36E-02	1.27E-05	7.70E-05	1.25E-04	1.39E-02	1.66E-02	2.93E-01	7.02E-03	4.28E-03	3.21E-01
2692	490460.04	3859060.04	0.08532	0.36305	0.0365	0.05723	1.40E-02	2.82E-01	7.08E-03	4.21E-03	3.07E-01	1.37E-02	1.22E-05	7.76E-05	1.23E-04	1.40E-02	1.67E-02	2.82E-01	7.08E-03	4.21E-03	3.10E-01
2693	490510.04	3859060.04	0.08596	0.34985	0.0368	0.05631	1.41E-02	2.71E-01	7.13E-03	4.15E-03	2.97E-01	1.39E-02	1.18E-05	7.82E-05	1.21E-04	1.41E-02	1.68E-02	2.71E-01	7.13E-03	4.15E-03	2.99E-01
2694	490560.04	3859060.04	0.08658	0.33516	0.0371	0.05546	1.42E-02	2.60E-01	7.20E-03	4.08E-03	2.85E-01	1.40E-02	1.13E-05	7.89E-05	1.19E-04	1.42E-02	1.69E-02	2.60E-01	7.20E-03	4.08E-03	2.88E-01
2695	490610.04	3859060.04	0.08711	0.32484	0.0374	0.0546	1.42E-02	2.52E-01	7.26E-03	4.02E-03	2.78E-01	1.40E-02	1.09E-05	7.96E-05	1.18E-04	1.42E-02	1.70E-02	2.52E-01	7.26E-03	4.02E-03	2.80E-01
2696	490660.04	3859060.04	0.08759	0.31532	0.0377	0.05377	1.43E-02	2.45E-01	7.32E-03	3.96E-03	2.70E-01	1.41E-02	1.06E-05	8.02E-05	1.16E-04	1.43E-02	1.71E-02	2.45E-01	7.32E-03	3.96E-03	2.73E-01
2697	490710.04	3859060.04	0.08804	0.30165	0.0381	0.05308	1.44E-02	2.34E-01	7.39E-03	3.91E-03	2.60E-01	1.42E-02	1.01E-05	8.10E-05	1.14E-04	1.44E-02	1.72E-02	2.34E-01	7.39E-03	3.91E-03	2.63E-01
2698	490760.04	3859060.04	0.08842	0.28966	0.0385	0.0524	1.45E-02	2.25E-01	7.47E-03	3.86E-03	2.50E-01	1.42E-02	9.73E-06	8.19E-05	1.13E-04	1.45E-02	1.73E-02	2.25E-01	7.47E-03	3.86E-03	2.53E-01
2699	490810.04	3859060.04	0.08873	0.27787	0.0389	0.05177	1.45E-02	2.16E-01	7.55E-03	3.81E-03	2.41E-01	1.43E-02	9.33E-06	8.28E-05	1.11E-04	1.45E-02	1.74E-02	2.16E-01	7.55E-03	3.81E-03	2.44E-01
2700	490860.04	3859060.04	0.08871	0.26751	0.0394	0.05114	1.45E-02	2.08E-01	7.63E-03	3.77E-03	2.33E-01	1.43E-02	8.99E-06	8.37E-05	1.10E-04	1.45E-02	1.74E-02	2.08E-01	7.63E-03	3.77E-03	2.36E-01
2701	490360.04	3859110.04	0.08052	0.40207	0.0332	0.0603	1.32E-02	3.12E-01	6.45E-03	4.44E-03	3.36E-01	1.30E-02	1.35E-05	7.07E-05	1.30E-04	1.32E-02	1.58E-02	3.12E-01	6.45E-03	4.44E-03	3.39E-01
2702	490410.04	3859110.04	0.08126	0.38253	0.0335	0.05922	1.33E-02	2.97E-01	6.49E-03	4.36E-03	3.21E-01	1.31E-02	1.28E-05	7.11E-05	1.27E-04	1.33E-02	1.59E-02	2.97E-01	6.49E-03	4.36E-03	3.23E-01
2703	490460.04	3859110.04	0.08188	0.36855	0.0337	0.05817	1.34E-02	2.86E-01	6.54E-03	4.28E-03	3.10E-01	1.32E-02	1.24E-05	7.17E-05	1.25E-04	1.34E-02	1.60E-02	2.86E-01	6.54E-03	4.28E-03	3.13E-01
2704	490510.04	3859110.04	0.0826	0.34792	0.0341	0.05728	1.35E-02	2.70E-01	6.60E-03	4.22E-03	2.94E-01	1.33E-02	1.17E-05	7.24E-05	1.23E-04	1.35E-02	1.62E-02	2.70E-01	6.60E-03	4.22E-03	2.97E-01
2705	490560.04	3859110.04	0.08318	0.33447	0.0344	0.05638	1.36E-02	2.59E-01	6.67E-03	4.15E-03	2.84E-01	1.34E-02	1.12E-05	7.31E-05	1.21E-04	1.36E-02	1.63E-02	2.59E-01	6.67E-03	4.15E-03	2.87E-01
2706	490610.04	3859110.04	0.08373	0.32054	0.0348	0.05554	1.37E-02	2.49E-01	6.74E-03	4.09E-03	2.73E-01	1.35E-02	1.08E-05	7.39E-05	1.20E-04	1.37E-02	1.64E-02	2.49E-01	6.74E-03	4.09E-03	2.76E-01
2707	490660.04	3859110.04	0.0842	0.30595	0.0352	0.05479	1.38E-02	2.37E-01	6.82E-03	4.03E-03	2.62E-01	1.36E-02	1.03E-05	7.48E-05	1.18E-04	1.38E-02	1.65E-02	2.37E-01	6.82E-03	4.03E-03	2.65E-01
2708	490710.04	3859110.04	0.08464	0.29646	0.0356	0.05398	1.38E-02	2.30E-01	6.89E-03	3.97E-03	2.55E-01	1.36E-02	9.96E-06	7.56E-05	1.16E-04	1.38E-02	1.66E-02	2.30E-01	6.89E-03	3.97E-03	2.57E-01
2709	490760.04	3859110.04	0.08504	0.28528	0.036	0.05326	1.39E-02	2.21E-01	6.97E-03	3.92E-03	2.46E-01	1.37E-02	9.58E-06	7.65E-05	1.15E-04	1.39E-02	1.66E-02	2.21E-01	6.97E-03	3.92E-03	2.49E-01
2710	490810.04	3859110.04	0.08505	0.27284	0.0365	0.05262	1.39E-02	2.12E-01	7.07E-03	3.87E-03	2.36E-01	1.37E-02	9.17E-06	7.75E-05	1.13E-04	1.39E-02	1.66E-02	2.12E-01	7.07E-03	3.87E-03	2.39E-01
2711	490860.04	3859110.04	0.0852	0.26125	0.037	0.05199	1.39E-02	2.03E-01	7.17E-03	3.83E-03	2.28E-01	1.37E-02	8.78E-06	7.86E-05	1.12E-04	1.39E-02	1.67E-02	2.03E-01	7.17E-03	3.83E-03	2.30E-01
2712	490360.04	3859160.04	0.07738	0.40812	0.0309	0.06128	1.27E-02	3.17E-01	5.98E-03	4.51E-03	3.40E-01	1.25E-02	1.37E-05	6.56E-05	1.32E-04	1.27E-02	1.51E-02	3.17E-01	5.98E-03	4.51E-03	3.42E-01
2713	490410.04	3859160.04	0.07807	0.38866	0.031	0.06012	1.28E-02	3.01E-01	6.02E-03	4.43E-03	3.25E-01	1.26E-02	1.31E-05	6.60E-05	1.29E-04	1.28E-02	1.53E-02	3.02E-01	6.02E-03	4.43E-03	3.27E-01
2714	490460.04	3859160.04	0.07869	0.37156	0.0313	0.05903	1.29E-02	2.88E-01	6.07E-03	4.35E-03	3.12E-01	1.27E-02	1.25E-05	6.65E-05	1.27E-04	1.29E-02	1.54E-02	2.88E-01	6.07E-03	4.35E-03	3.14E-01
2715	490510.04	3859160.04	0.0793	0.35489	0.0316	0.05804	1.30E-02	2.75E-01	6.12E-03	4.27E-03	2.99E-01	1.28E-02	1.19E-05	6.71E-05	1.25E-04	1.30E-02	1.55E-02	2.75E-01	6.12E-03	4.27E-03	3.01E-01
2716	490560.04	3859160.04	0.0799	0.33641	0.0319	0.05716	1.31E-02	2.61E-01	6.18E-03	4.21E-03	2.84E-01	1.29E-02	1.13E-05	6.78E-05	1.23E-04	1.31E-02	1.56E-02	2.61E-01	6.18E-03	4.21E-03	2.87E-01
2717	490610.04	3859160.04	0.08042	0.32364	0.0322	0.05626	1.32E-02	2.51E-01	6.25E-03	4.14E-03	2.75E-01	1.30E-02	1.09E-05	6.85E-05	1.21E-04	1.32E-02	1.57E-02	2.51E-01	6.25E-03	4.14E-03	2.77E-01
2718	490660.04	3859160.04	0.0809	0.30186	0.0327	0.05565	1.32E-02	2.34E-01	6.34E-03	4.10E-03	2.58E-01	1.30E-02	1.01E-05	6.95E-05	1.20E-04	1.32E-02	1.58E-02	2.34E-01	6.34E-03	4.10E-03	2.60E-01
2719	490710.04	3859160.04	0.08134	0.29169	0.0331	0.05482	1.33E-02	2.26E-01	6.42E-03	4.04E-03	2.50E-01	1.31E-02	9.80E-06	7.04E-05	1.18E-04	1.33E-02	1.59E-02	2.26E-01	6.42E-03	4.04E-03	2.53E-01
2720	490760.04	3859160.04	0.08129	0.27634	0.0336	0.05418	1.33E-02	2.14E-01	6.52E-03	3.99E-03	2.38E-01	1.31E-02	9.28E-06	7.15E-05	1.17E-04	1.33E-02	1.59E-02	2.14E-01	6.52E-03	3.99E-03	2.41E-01
2721	490810.04	3859160.04	0.08157	0.26706	0.0341	0.05342	1.33E-02	2.07E-01	6.61E-03	3.93E-03	2.31E-01	1.31E-02	8.97E-06	7.25E-05	1.15E-04	1.33E-02	1.60E-02	2.07E-01	6.61E-03	3.93E-03	2.34E-01
2722	490860.04	3859160.04	0.08176	0.25741	0.0346	0.0527	1.34E-02	2.00E-01	6.70E-03	3.88E-03	2.24E-01	1.32E-02	8.65E-06	7.35E-05	1.13E-04	1.34E-02	1.60E-02	2.00E-01	6.70E-03	3.88E-03	2.26E-01
2723	490360.04	3859210.04	0.07447	0.41361	0.0288	0.06215	1.22E-02	3.21E-01	5.57E-03	4.58E-03	3.43E-01	1.20E-02	1.39E-05	6.11E-05	1.34E-04	1.22E-02	1.46E-02	3.21E-01	5.57E-03	4.58E-03	3.46E-01
2724	490410.04	3859210.04	0.07498	0.39952	0.029	0.06087	1.23E-02	3.10E-01	5.61E-03	4.48E-03	3.32E-01	1.21E-02	1.34E-05	6.16E-05	1.31E-04	1.23E-02	1.47E-02	3.10E-01	5.61E-03	4.48E-03	3.35E-01
2725	490460.04	3859210.04	0.07568	0.37486	0.0291	0.05979	1.24E-02	2.91E-01	5.65E-03	4.40E-03	3.13E-01	1.22E-02	1.26E-05	6.19E-05	1.29E-04	1.24E-02	1.48E-02	2.91E-01	5.65E-03	4.40E-03	3.16E-01
2726	490510.04	3859210.04	0.07626	0.35693	0.0294	0.05876	1.25E-02	2.77E-01	5.70E-03	4.33E-03	2.99E-01	1.23E-02	1.20E-05	6.24E-05	1.26E-04	1.25E-02	1.49E-02	2.77E-01	5.70E-03	4.33E-03	3.02E-01
2727	490560.04	3859210.04	0.07676	0.34371	0.0296	0.05774	1.26E-02	2.67E-01	5.75E-03	4.25E-03	2.89E-01	1.24E-02	1.15E-05	6.30E-05	1.24E-04	1.26E-02	1.50E-02	2.67E-01	5.75E-03	4.25E-03	2.92E-01
2728	490610.04	3859210.04	0.07728	0.32752	0.0299	0.05686	1.26E-02	2.54E-01	5.80E-03	4.19E-03	2.77E-01	1.25E-02	1.10E-05	6.36E-05	1.22E-04	1.26E-02	1.51E-02	2.54E-01	5.80E-03	4.19E-03	2.79E-01
2729	490660.04	3859210.04	0.07776	0.30654	0.0303	0.05616	1.27E-02	2.38E-01	5.88E-03	4.13E-03	2.61E-01	1.25E-02	1.03E-05	6.45E-05	1.21E-04	1.27E-02	1.52E-02	2.38E-01	5.88E-03	4.13E-03	2.63E-01
2730	490710.04	3859210.04	0.07821	0.29408	0.0307	0.05533	1.28E-02	2.28E-01	5.95E-03	4.07E-03	2.51E-01	1.26E-02	9.88E-06	6.53E-05	1.19E-04	1.28E-02	1.53E-02	2.28E-01	5.95E-03	4.07E-03	2.53E-01
2731	490760.04	3859210.04	0.07814	0.27784	0.0312	0.05472	1.28E-02	2.16E-01	6.05E-03	4.03E-03	2.38E-01	1.26E-02	9.33E-06	6.63E-05	1.18E-04	1.28E-02	1.53E-02	2.16E-01	6.05E-03	4.03E-03	2.41E-01
2732	490810.04	3859210.04	0.07855	0.2727	0.0315	0.0538	1.28E-02	2.12E-01	6.11E-03	3.96E-03	2.34E-01	1.27E-02	9.16E-06	6.70E-05	1.16E-04	1.28E-02	1.54E-02	2.12E-01	6.11E-03	3.96E-03	2.37E-01
2733	490860.04	3859210.04	0.07893	0.26717	0.0318	0.05292	1.29E-02	2.07E-01	6.17E-03	3.90E-03	2.30E-01	1.27E-02	8.97E-06	6.77E-05	1.14E-04	1.29E-02	1.54E-02	2.07E-01	6.17E-03	3.90E-03	2.33E-01
2734	490360.04	3859260.04	0.07186	0.416	0.0269	0.06293	1.18E-02	3.23E-01	5.21E-03	4.63E-03	3.44E-01	1.16E-02	1.40E-05	5.72E-05	1.35E-04	1.18E-02	1.41E-02	3.23E-01	5.21E-03	4.63E-03	3.47E-01
2735	490410.04	3859260.04	0.07234	0.39978	0.0271	0.0616	1.18E-02	3.10E-01	5.25E-03	4.54E-03	3.32E-01	1.17E-02	1.34E-05	5.76E-05	1.33E-04	1.19E-02	1.42E-02	3.10E-01	5.25E-03	4.54E-03	3.34E-01
2736	490460.04	3859260.04	0.07279	0.38632	0.0273	0.06034	1.19E-02	3.00E-01	5.29E-03	4.44E-03	3.21E-01	1.17E-02	1.30E-05	5.80E-05	1.30E-04	1.19E-02	1.42E-02	3.00E-01	5.29E-03	4.44E-03	3.24E-01
2737	490510.04	3859260.04	0.07323	0.373	0.0275	0.05915	1.20E-02	2.89E-01	5.32E-03	4.35E-03	3.11E-01	1.18E-02	1.25E-05	5.84E-05	1.27E-04	1.20E-02	1.43E-02	2.89E-01	5.32E-03	4.35E-03	3.13E-01
2738	490560.04	3859260.04	0.07378	0.35582	0.0277	0.05811	1.21E-02	2.76E-01	5.37E-03	4.28E-03	2.98E-01	1.19E-02	1.20E-05	5.88E-05	1.25E-04	1.21E-02	1.44E-02	2.76E-01	5.37E-03	4.28E-03	3.00E-01
2739	490610.04	3859260.04	0.07433	0.3343	0.0279	0.05727	1.22E-02	2.59E-01	5.42E-03	4.22E-03	2.81E-01	1.20E-02	1.12E-05	5.94E-05	1.23E-04	1.22E-02	1.45E-02	2.59E-01	5.42E-03	4.22E-03	2.84E-01
2740	490660.04	3859260.04	0.07475	0.32671	0.0282	0.0562	1.22E-02	2.53E-01	5.46E-03	4.14E-03	2.75E-01	1.20E-02	1.10E-05	5.99E-05	1.21E-04	1.22E-02	1.46E-02	2.53E-01	5.46E-03	4.14E-03	2.78E-01
2741	490710.04	3859260.04	0.07521	0.3143	0.0284	0.05529	1.23E-02	2.44E-01	5.51E-03	4.07E-03	2.66E-01	1.21E-02	1.06E-05	6.04E-05	1.19E-04	1.23E-02	1.47E-02	2.44E-01	5.51E-03	4.07E-03	2.68E-01

2742	490760.04	3859260.04	0.07564	0.29548	0.0288	0.05467	1.24E-02	2.29E-01	5.58E-03	4.03E-03	2.51E-01	1.22E-02	9.93E-06	6.12E-05	1.18E-04	1.24E-02	1.48E-02	2.29E-01	5.58E-03	4.03E-03	2.54E-01
2743	490810.04	3859260.04	0.07606	0.28797	0.0291	0.05377	1.24E-02	2.23E-01	5.64E-03	3.96E-03	2.45E-01	1.23E-02	9.67E-06	6.18E-05	1.16E-04	1.24E-02	1.49E-02	2.23E-01	5.64E-03	3.96E-03	2.48E-01
2744	490860.04	3859260.04	0.07647	0.28061	0.0294	0.05291	1.25E-02	2.18E-01	5.70E-03	3.90E-03	2.40E-01	1.23E-02	9.43E-06	6.25E-05	1.14E-04	1.25E-02	1.50E-02	2.18E-01	5.70E-03	3.90E-03	2.42E-01
2745	490360.04	3859310.04	0.06933	0.42471	0.0253	0.0636	1.13E-02	3.29E-01	4.90E-03	4.68E-03	3.50E-01	1.12E-02	1.43E-05	5.37E-05	1.37E-04	1.14E-02	1.36E-02	3.29E-01	4.90E-03	4.68E-03	3.53E-01
2746	490410.04	3859310.04	0.06974	0.40813	0.0254	0.06218	1.14E-02	3.17E-01	4.93E-03	4.58E-03	3.38E-01	1.12E-02	1.37E-05	5.41E-05	1.34E-04	1.14E-02	1.36E-02	3.17E-01	4.93E-03	4.58E-03	3.40E-01
2747	490460.04	3859310.04	0.07015	0.39342	0.0256	0.06085	1.15E-02	3.05E-01	4.97E-03	4.48E-03	3.26E-01	1.13E-02	1.32E-05	5.45E-05	1.31E-04	1.15E-02	1.37E-02	3.05E-01	4.97E-03	4.48E-03	3.28E-01
2748	490510.04	3859310.04	0.07054	0.38154	0.0258	0.05957	1.15E-02	2.96E-01	5.00E-03	4.39E-03	3.17E-01	1.14E-02	1.28E-05	5.48E-05	1.28E-04	1.16E-02	1.38E-02	2.96E-01	5.00E-03	4.39E-03	3.19E-01
2749	490560.04	3859310.04	0.07095	0.36904	0.026	0.05837	1.16E-02	2.86E-01	5.04E-03	4.30E-03	3.07E-01	1.14E-02	1.24E-05	5.52E-05	1.26E-04	1.16E-02	1.39E-02	2.86E-01	5.04E-03	4.30E-03	3.09E-01
2750	490610.04	3859310.04	0.07137	0.3582	0.0262	0.05723	1.17E-02	2.78E-01	5.07E-03	4.21E-03	2.99E-01	1.15E-02	1.20E-05	5.56E-05	1.23E-04	1.17E-02	1.40E-02	2.78E-01	5.07E-03	4.21E-03	3.01E-01
2751	490660.04	3859310.04	0.07183	0.34507	0.0263	0.0562	1.17E-02	2.68E-01	5.11E-03	4.14E-03	2.89E-01	1.16E-02	1.16E-05	5.60E-05	1.21E-04	1.18E-02	1.41E-02	2.68E-01	5.11E-03	4.14E-03	2.91E-01
2752	490710.04	3859310.04	0.07236	0.32444	0.0266	0.05543	1.18E-02	2.52E-01	5.15E-03	4.08E-03	2.73E-01	1.17E-02	1.09E-05	5.65E-05	1.19E-04	1.18E-02	1.42E-02	2.52E-01	5.15E-03	4.08E-03	2.75E-01
2753	490760.04	3859310.04	0.0728	0.31144	0.0268	0.05457	1.19E-02	2.42E-01	5.20E-03	4.02E-03	2.63E-01	1.17E-02	1.05E-05	5.70E-05	1.17E-04	1.19E-02	1.42E-02	2.42E-01	5.20E-03	4.02E-03	2.65E-01
2754	490810.04	3859310.04	0.07321	0.30279	0.027	0.05366	1.20E-02	2.35E-01	5.24E-03	3.95E-03	2.56E-01	1.18E-02	1.02E-05	5.75E-05	1.16E-04	1.20E-02	1.43E-02	2.35E-01	5.24E-03	3.95E-03	2.58E-01
2755	490860.04	3859310.04	0.07363	0.29139	0.0273	0.05288	1.20E-02	2.26E-01	5.30E-03	3.89E-03	2.47E-01	1.19E-02	9.79E-06	5.81E-05	1.14E-04	1.20E-02	1.44E-02	2.26E-01	5.30E-03	3.89E-03	2.50E-01
2756	490360.04	3859360.04	0.06698	0.43327	0.0238	0.06421	1.10E-02	3.36E-01	4.62E-03	4.73E-03	3.56E-01	1.08E-02	1.46E-05	5.07E-05	1.38E-04	1.10E-02	1.31E-02	3.36E-01	4.62E-03	4.73E-03	3.59E-01
2757	490410.04	3859360.04	0.06728	0.41969	0.024	0.06266	1.10E-02	3.26E-01	4.65E-03	4.61E-03	3.46E-01	1.08E-02	1.41E-05	5.10E-05	1.35E-04	1.10E-02	1.32E-02	3.26E-01	4.65E-03	4.61E-03	3.48E-01
2758	490460.04	3859360.04	0.06757	0.40722	0.0242	0.06121	1.11E-02	3.16E-01	4.69E-03	4.51E-03	3.36E-01	1.09E-02	1.37E-05	5.14E-05	1.32E-04	1.11E-02	1.32E-02	3.16E-01	4.69E-03	4.51E-03	3.38E-01
2759	490510.04	3859360.04	0.06791	0.39483	0.0244	0.05984	1.11E-02	3.06E-01	4.72E-03	4.41E-03	3.27E-01	1.09E-02	1.33E-05	5.18E-05	1.29E-04	1.11E-02	1.33E-02	3.06E-01	4.72E-03	4.41E-03	3.29E-01
2760	490560.04	3859360.04	0.06835	0.37985	0.0245	0.05859	1.12E-02	2.95E-01	4.75E-03	4.31E-03	3.15E-01	1.10E-02	1.28E-05	5.21E-05	1.26E-04	1.12E-02	1.34E-02	2.95E-01	4.75E-03	4.31E-03	3.17E-01
2761	490610.04	3859360.04	0.06878	0.36576	0.0246	0.05743	1.12E-02	2.84E-01	4.78E-03	4.23E-03	3.04E-01	1.11E-02	1.23E-05	5.24E-05	1.24E-04	1.13E-02	1.35E-02	2.84E-01	4.78E-03	4.23E-03	3.06E-01
2762	490660.04	3859360.04	0.06917	0.35373	0.0248	0.05633	1.13E-02	2.74E-01	4.81E-03	4.15E-03	2.95E-01	1.11E-02	1.19E-05	5.27E-05	1.21E-04	1.13E-02	1.35E-02	2.74E-01	4.81E-03	4.15E-03	2.97E-01
2763	490710.04	3859360.04	0.06963	0.33843	0.025	0.05537	1.14E-02	2.63E-01	4.84E-03	4.08E-03	2.83E-01	1.12E-02	1.14E-05	5.31E-05	1.19E-04	1.14E-02	1.36E-02	2.63E-01	4.84E-03	4.08E-03	2.85E-01
2764	490760.04	3859360.04	0.07008	0.32275	0.0252	0.05451	1.15E-02	2.50E-01	4.88E-03	4.01E-03	2.71E-01	1.13E-02	1.08E-05	5.35E-05	1.17E-04	1.15E-02	1.37E-02	2.50E-01	4.88E-03	4.01E-03	2.73E-01
2765	490810.04	3859360.04	0.07046	0.31629	0.0253	0.05349	1.15E-02	2.45E-01	4.91E-03	3.94E-03	2.66E-01	1.14E-02	1.06E-05	5.39E-05	1.15E-04	1.15E-02	1.38E-02	2.45E-01	4.91E-03	3.94E-03	2.68E-01
2766	490860.04	3859360.04	0.07089	0.30569	0.0255	0.05263	1.16E-02	2.37E-01	4.95E-03	3.87E-03	2.58E-01	1.14E-02	1.03E-05	5.43E-05	1.13E-04	1.16E-02	1.39E-02	2.37E-01	4.95E-03	3.87E-03	2.60E-01
2767	490360.04	3859410.04	0.06473	0.44089	0.0226	0.06473	1.06E-02	3.42E-01	4.37E-03	4.77E-03	3.62E-01	1.04E-02	1.48E-05	4.79E-05	1.39E-04	1.06E-02	1.27E-02	3.42E-01	4.37E-03	4.77E-03	3.64E-01
2768	490410.04	3859410.04	0.06501	0.4283	0.0227	0.06308	1.06E-02	3.32E-01	4.41E-03	4.64E-03	3.52E-01	1.05E-02	1.44E-05	4.83E-05	1.36E-04	1.07E-02	1.27E-02	3.32E-01	4.41E-03	4.64E-03	3.54E-01
2769	490460.04	3859410.04	0.06528	0.41594	0.0229	0.06153	1.07E-02	3.23E-01	4.44E-03	4.53E-03	3.42E-01	1.05E-02	1.40E-05	4.87E-05	1.32E-04	1.07E-02	1.28E-02	3.23E-01	4.44E-03	4.53E-03	3.44E-01
2770	490510.04	3859410.04	0.06556	0.40353	0.0231	0.06008	1.07E-02	3.13E-01	4.47E-03	4.42E-03	3.33E-01	1.06E-02	1.36E-05	4.90E-05	1.29E-04	1.08E-02	1.28E-02	3.13E-01	4.47E-03	4.42E-03	3.35E-01
2771	490560.04	3859410.04	0.06587	0.39145	0.0232	0.05872	1.08E-02	3.04E-01	4.50E-03	4.32E-03	3.23E-01	1.06E-02	1.31E-05	4.93E-05	1.26E-04	1.08E-02	1.29E-02	3.04E-01	4.50E-03	4.32E-03	3.25E-01
2772	490610.04	3859410.04	0.06623	0.37943	0.0233	0.05745	1.08E-02	2.94E-01	4.52E-03	4.23E-03	3.14E-01	1.07E-02	1.27E-05	4.96E-05	1.24E-04	1.09E-02	1.30E-02	2.94E-01	4.52E-03	4.23E-03	3.16E-01
2773	490660.04	3859410.04	0.06667	0.3637	0.0235	0.05631	1.09E-02	2.82E-01	4.55E-03	4.15E-03	3.02E-01	1.07E-02	1.22E-05	4.99E-05	1.21E-04	1.09E-02	1.30E-02	2.82E-01	4.55E-03	4.15E-03	3.04E-01
2774	490710.04	3859410.04	0.06707	0.35024	0.0236	0.05524	1.10E-02	2.72E-01	4.57E-03	4.07E-03	2.91E-01	1.08E-02	1.18E-05	5.02E-05	1.19E-04	1.10E-02	1.31E-02	2.72E-01	4.57E-03	4.07E-03	2.93E-01
2775	490760.04	3859410.04	0.06751	0.33396	0.0238	0.05431	1.10E-02	2.59E-01	4.61E-03	4.00E-03	2.79E-01	1.09E-02	1.12E-05	5.05E-05	1.17E-04	1.11E-02	1.32E-02	2.59E-01	4.61E-03	4.00E-03	2.81E-01
2776	490810.04	3859410.04	0.06787	0.32627	0.0239	0.05328	1.11E-02	2.53E-01	4.63E-03	3.92E-03	2.73E-01	1.09E-02	1.10E-05	5.08E-05	1.15E-04	1.11E-02	1.33E-02	2.53E-01	4.63E-03	3.92E-03	2.75E-01
2777	490860.04	3859410.04	0.06821	0.32085	0.024	0.05222	1.12E-02	2.49E-01	4.66E-03	3.84E-03	2.69E-01	1.10E-02	1.08E-05	5.11E-05	1.12E-04	1.12E-02	1.33E-02	2.49E-01	4.66E-03	3.84E-03	2.71E-01
2778	490360.04	3859460.04	0.06272	0.44585	0.0213	0.06509	1.03E-02	3.46E-01	4.14E-03	4.79E-03	3.65E-01	1.01E-02	1.50E-05	4.54E-05	1.40E-04	1.03E-02	1.23E-02	3.46E-01	4.14E-03	4.79E-03	3.67E-01
2779	490410.04	3859460.04	0.06296	0.4329	0.0216	0.06334	1.03E-02	3.36E-01	4.18E-03	4.66E-03	3.55E-01	1.01E-02	1.45E-05	4.58E-05	1.36E-04	1.03E-02	1.23E-02	3.36E-01	4.18E-03	4.66E-03	3.57E-01
2780	490460.04	3859460.04	0.06319	0.42123	0.0217	0.06172	1.03E-02	3.27E-01	4.21E-03	4.54E-03	3.46E-01	1.02E-02	1.41E-05	4.62E-05	1.33E-04	1.04E-02	1.24E-02	3.27E-01	4.21E-03	4.54E-03	3.48E-01
2781	490510.04	3859460.04	0.06345	0.40947	0.0219	0.06019	1.04E-02	3.18E-01	4.24E-03	4.43E-03	3.37E-01	1.02E-02	1.38E-05	4.65E-05	1.30E-04	1.04E-02	1.24E-02	3.18E-01	4.24E-03	4.43E-03	3.39E-01
2782	490560.04	3859460.04	0.06368	0.39829	0.022	0.05875	1.04E-02	3.09E-01	4.27E-03	4.33E-03	3.28E-01	1.03E-02	1.34E-05	4.68E-05	1.26E-04	1.04E-02	1.25E-02	3.09E-01	4.27E-03	4.33E-03	3.30E-01
2783	490610.04	3859460.04	0.06398	0.38591	0.0221	0.0574	1.05E-02	2.99E-01	4.29E-03	4.23E-03	3.18E-01	1.03E-02	1.30E-05	4.71E-05	1.24E-04	1.05E-02	1.25E-02	2.99E-01	4.29E-03	4.23E-03	3.20E-01
2784	490660.04	3859460.04	0.06433	0.37303	0.0223	0.05616	1.05E-02	2.89E-01	4.32E-03	4.13E-03	3.08E-01	1.04E-02	1.25E-05	4.73E-05	1.21E-04	1.05E-02	1.26E-02	2.89E-01	4.32E-03	4.13E-03	3.10E-01
2785	490710.04	3859460.04	0.06465	0.36237	0.0224	0.05496	1.06E-02	2.81E-01	4.34E-03	4.05E-03	3.00E-01	1.04E-02	1.22E-05	4.76E-05	1.18E-04	1.06E-02	1.27E-02	2.81E-01	4.34E-03	4.05E-03	3.02E-01
2786	490760.04	3859460.04	0.06504	0.35001	0.0225	0.05387	1.06E-02	2.72E-01	4.36E-03	3.97E-03	2.90E-01	1.05E-02	1.18E-05	4.79E-05	1.16E-04	1.07E-02	1.27E-02	2.72E-01	4.36E-03	3.97E-03	2.93E-01
2787	490810.04	3859460.04	0.0654	0.33842	0.0226	0.05285	1.07E-02	2.63E-01	4.39E-03	3.89E-03	2.81E-01	1.05E-02	1.14E-05	4.81E-05	1.14E-04	1.07E-02	1.28E-02	2.63E-01	4.39E-03	3.89E-03	2.84E-01
2788	490860.04	3859460.04	0.06571	0.33139	0.0228	0.05178	1.07E-02	2.57E-01	4.41E-03	3.81E-03	2.76E-01	1.06E-02	1.11E-05	4.84E-05	1.11E-04	1.08E-02	1.29E-02	2.57E-01	4.41E-03	3.81E-03	2.78E-01
2789	490360.04	3859510.04	0.06092	0.44882	0.02	0.06519	9.96E-03	3.48E-01	3.88E-03	4.80E-03	3.67E-01	9.82E-03	1.51E-05	4.26E-05	1.40E-04	1.00E-02	1.19E-02	3.48E-01	3.88E-03	4.80E-03	3.69E-01
2790	490410.04	3859510.04	0.06107	0.43758	0.0204	0.06338	9.99E-03	3.39E-01	3.95E-03	4.67E-03	3.58E-01	9.84E-03	1.47E-05	4.33E-05	1.36E-04	1.00E-02	1.20E-02	3.39E-01	3.95E-03	4.67E-03	3.60E-01
2791	490460.04	3859510.04	0.06124	0.42581	0.0207	0.06167	1.00E-02	3.30E-01	4.00E-03	4.54E-03	3.49E-01	9.87E-03	1.43E-05	4.39E-05	1.33E-04	1.01E-02	1.20E-02	3.30E-01	4.00E-03	4.54E-03	3.51E-01
2792	490510.04	3859510.04	0.06145	0.41464	0.0208	0.06006	1.01E-02	3.22E-01	4.04E-03	4.42E-03	3.40E-01	9.90E-03	1.39E-05	4.43E-05	1.29E-04	1.01E-02	1.20E-02	3.22E-01	4.04E-03	4.42E-03	3.42E-01
2793	490560.04	3859510.04	0.06167	0.40356	0.021	0.05856	1.01E-02	3.13E-01	4.06E-03	4.31E-03	3.32E-01	9.94E-03	1.36E-05	4.45E-05	1.26E-04	1.01E-02	1.21E-02	3.13E-01	4.06E-03	4.31E-03	3.34E-01
2794	490610.04	3859510.04	0.06191	0.39194	0.0211	0.05714	1.01E-02	3.04E-01	4.08E-03	4.21E-03	3.22E-01	9.98E-03	1.32E-05	4.48E-05	1.23E-04	1.02E-02	1.21E-02	3.04E-01	4.08E-03	4.21E-03	3.24E-01
2795	490660.04	3859510.04	0.06217	0.38047	0.0212	0.05581	1.02E-02	2.95E-01	4.11E-03	4.11E-03	3.14E-01	1.00E-02	1.28E-05	4.50E-05	1.20E-04	1.02E-02	1.22E-02	2.95E-01	4.11E-03	4.11E-03	3.16E-01
2796	490710.04	3859510.04	0.06248	0.36886	0.0213	0.05457	1.02E-02	2.86E-01	4.13E-03	4.02E-03	3.04E-01	1.01E-02	1.24E-05	4.53E-05	1.17E-04	1.02E-02	1.22E-02	2.86E-01	4.13E-03	4.02E-03	3.07E-01
2797	490760.04	3859510.04	0.06279	0.3579	0.0214	0.0534	1.03E-02	2.78E-01	4.15E-03	3.93E-03	2.96E-01	1.01E-02	1.20E-05	4.55E-05	1.15E-04	1.03E-02	1.23E-02	2.78E-01	4.15E-03	3.93E-03	2.98E-01
2798	490810.04	3859510.04	0.06309	0.34866	0.0215	0.05228	1.03E-02	2.70E-01	4.18E-03	3.85E-03	2.89E-01	1.02E-02	1.17E-05	4.58E-05	1.13E-04	1.03E-02	1.23E-02	2.70E-01	4.18E-03	3.85E-03	2.91E-01
2799	490860.04	3859510.04	0.06342	0.33866	0.0217	0.05123	1.04E-02	2.63E-01	4.20E-03	3.77E-03	2.81E-01	1.02E-02	1.14E-05	4.60E-05	1.10E-04	1.04E-02	1.24E-02	2.63E-01	4.20E-03	3.77E-03	2.83E-01
2800	490360.04	3859560.04	0.05927	0.45091	0.0188	0.06496	9.69E-03	3.50E-01	3.65E-03	4.78E-03	3.68E-01	9.55E-03	1.51E-05	4.00E-05	1.40E-04	9.75E-03	1.16E-02	3.50E-01	3.65E-03	4.78E-03	3.70E-01
2801	490410.04	3859560.04	0.05932	0.44021	0.0191	0.0631	9.70E-03	3.41E-01	3.71E-03	4.65E-03	3.60E-01	9.56E-03	1.48E-05	4.07E-05	1.36E-04	9.75E-03	1.16E-02	3.41E-01	3.71E-03	4.65E-03	3.61E-01
2802	490460.04	3859560.04	0.05945	0.42945	0.0195	0.06133	9.72E-03	3.33E-01	3.77E-03	4.52E-03	3.51E-01	9.58E-03	1.44E-05	4.14E-05	1.32E-04	9.77E-03	1.16E-02	3.33E-01	3.77E-03	4.52E-03	3.53E-01

2803	490510.04	3859560.04	0.05963	0.41791	0.0198	0.05965	9.75E-03	3.24E-01	3.84E-03	4.39E-03	3.42E-01	9.61E-03	1.40E-05	4.21E-05	1.28E-04	9.79E-03	1.17E-02	3.24E-01	3.84E-03	4.39E-03	3.44E-01
2804	490560.04	3859560.04	0.05979	0.40795	0.02	0.0581	9.78E-03	3.16E-01	3.88E-03	4.28E-03	3.34E-01	9.63E-03	1.37E-05	4.25E-05	1.25E-04	9.82E-03	1.17E-02	3.16E-01	3.88E-03	4.28E-03	3.36E-01
2805	490610.04	3859560.04	0.06	0.39697	0.0201	0.05663	9.81E-03	3.08E-01	3.90E-03	4.17E-03	3.26E-01	9.67E-03	1.33E-05	4.27E-05	1.22E-04	9.85E-03	1.17E-02	3.08E-01	3.90E-03	4.17E-03	3.28E-01
2806	490660.04	3859560.04	0.06021	0.38626	0.0202	0.05525	9.85E-03	3.00E-01	3.92E-03	4.07E-03	3.17E-01	9.70E-03	1.30E-05	4.30E-05	1.19E-04	9.88E-03	1.18E-02	3.00E-01	3.92E-03	4.07E-03	3.19E-01
2807	490710.04	3859560.04	0.06046	0.37519	0.0203	0.05396	9.89E-03	2.91E-01	3.94E-03	3.97E-03	3.09E-01	9.74E-03	1.26E-05	4.32E-05	1.16E-04	9.91E-03	1.18E-02	2.91E-01	3.94E-03	3.97E-03	3.11E-01
2808	490760.04	3859560.04	0.06076	0.36304	0.0204	0.05276	9.94E-03	2.82E-01	3.96E-03	3.88E-03	2.99E-01	9.79E-03	1.22E-05	4.34E-05	1.14E-04	9.96E-03	1.19E-02	2.82E-01	3.96E-03	3.88E-03	3.01E-01
2809	490810.04	3859560.04	0.06104	0.3527	0.0205	0.05162	9.98E-03	2.74E-01	3.98E-03	3.80E-03	2.91E-01	9.84E-03	1.18E-05	4.36E-05	1.11E-04	1.00E-02	1.19E-02	2.74E-01	3.98E-03	3.80E-03	2.93E-01
2810	490860.04	3859560.04	0.06134	0.34228	0.0206	0.05056	1.00E-02	2.66E-01	4.00E-03	3.72E-03	2.83E-01	9.88E-03	1.15E-05	4.39E-05	1.09E-04	1.00E-02	1.20E-02	2.66E-01	4.00E-03	3.72E-03	2.85E-01
2811	490187.25	3859422.08	0.06366	0.48814	0.0212	0.07147	1.04E-02	3.79E-01	4.10E-03	5.26E-03	3.98E-01	1.03E-02	1.64E-05	4.50E-05	1.54E-04	1.05E-02	1.25E-02	3.79E-01	4.10E-03	5.26E-03	4.00E-01
2812	490237.25	3859422.08	0.06377	0.47447	0.0216	0.0694	1.04E-02	3.68E-01	4.18E-03	5.11E-03	3.88E-01	1.03E-02	1.59E-05	4.58E-05	1.49E-04	1.05E-02	1.25E-02	3.68E-01	4.18E-03	5.11E-03	3.90E-01
2813	490287.25	3859422.08	0.0639	0.46129	0.0219	0.06746	1.05E-02	3.58E-01	4.25E-03	4.97E-03	3.77E-01	1.03E-02	1.55E-05	4.66E-05	1.45E-04	1.05E-02	1.25E-02	3.58E-01	4.25E-03	4.97E-03	3.80E-01
2814	490337.25	3859422.08	0.06414	0.44762	0.0222	0.06562	1.05E-02	3.47E-01	4.30E-03	4.83E-03	3.67E-01	1.03E-02	1.50E-05	4.71E-05	1.41E-04	1.05E-02	1.26E-02	3.47E-01	4.30E-03	4.83E-03	3.69E-01
2815	490187.25	3859472.08	0.06201	0.4893	0.0198	0.07208	1.01E-02	3.80E-01	3.84E-03	5.31E-03	3.99E-01	9.99E-03	1.64E-05	4.21E-05	1.55E-04	1.02E-02	1.21E-02	3.80E-01	3.84E-03	5.31E-03	4.01E-01
2816	490237.25	3859472.08	0.06202	0.4767	0.0202	0.06992	1.01E-02	3.70E-01	3.91E-03	5.15E-03	3.89E-01	9.99E-03	1.60E-05	4.29E-05	1.51E-04	1.02E-02	1.21E-02	3.70E-01	3.91E-03	5.15E-03	3.91E-01
2817	490287.25	3859472.08	0.06213	0.46345	0.0206	0.06786	1.02E-02	3.59E-01	3.99E-03	5.00E-03	3.79E-01	1.00E-02	1.56E-05	4.37E-05	1.46E-04	1.02E-02	1.22E-02	3.60E-01	3.99E-03	5.00E-03	3.81E-01
2818	490337.25	3859472.08	0.06223	0.45189	0.0209	0.06597	1.02E-02	3.51E-01	4.05E-03	4.86E-03	3.70E-01	1.00E-02	1.52E-05	4.44E-05	1.42E-04	1.02E-02	1.22E-02	3.51E-01	4.05E-03	4.86E-03	3.72E-01
2819	490297.07	3859500.42	0.06117	0.46256	0.0199	0.06759	1.00E-02	3.59E-01	3.85E-03	4.98E-03	3.78E-01	9.86E-03	1.55E-05	4.22E-05	1.46E-04	1.01E-02	1.20E-02	3.59E-01	3.85E-03	4.98E-03	3.80E-01
2820	490327.07	3859500.42	0.06116	0.45638	0.02	0.06645	1.00E-02	3.54E-01	3.88E-03	4.89E-03	3.73E-01	9.85E-03	1.53E-05	4.26E-05	1.43E-04	1.01E-02	1.20E-02	3.54E-01	3.88E-03	4.89E-03	3.75E-01
2821	490297.07	3859530.42	0.06015	0.46443	0.0191	0.06763	9.84E-03	3.60E-01	3.70E-03	4.98E-03	3.79E-01	9.69E-03	1.56E-05	4.06E-05	1.46E-04	9.89E-03	1.18E-02	3.60E-01	3.70E-03	4.98E-03	3.81E-01
2822	490327.07	3859530.42	0.06017	0.45746	0.0193	0.06642	9.84E-03	3.55E-01	3.74E-03	4.89E-03	3.73E-01	9.70E-03	1.54E-05	4.10E-05	1.43E-04	9.89E-03	1.18E-02	3.55E-01	3.74E-03	4.89E-03	3.75E-01
2823	490319.73	3859055.34	0.08347	0.41233	0.0361	0.05996	1.37E-02	3.20E-01	7.00E-03	4.41E-03	3.45E-01	1.34E-02	1.39E-05	7.68E-05	1.29E-04	1.37E-02	1.63E-02	3.20E-01	7.00E-03	4.41E-03	3.48E-01
2824	490319.73	3859105.34	0.08021	0.41663	0.0333	0.06115	1.31E-02	3.23E-01	6.46E-03	4.50E-03	3.47E-01	1.29E-02	1.40E-05	7.09E-05	1.32E-04	1.31E-02	1.57E-02	3.23E-01	6.46E-03	4.50E-03	3.50E-01
2825	490069.73	3859155.34	0.0748	0.49567	0.0297	0.0697	1.22E-02	3.84E-01	5.76E-03	5.13E-03	4.08E-01	1.21E-02	1.67E-05	6.31E-05	1.50E-04	1.23E-02	1.46E-02	3.85E-01	5.76E-03	5.13E-03	4.10E-01
2826	490119.73	3859155.34	0.07517	0.48165	0.03	0.06806	1.23E-02	3.74E-01	5.82E-03	5.01E-03	3.97E-01	1.21E-02	1.62E-05	6.38E-05	1.47E-04	1.23E-02	1.47E-02	3.74E-01	5.82E-03	5.01E-03	3.99E-01
2827	490269.73	3859155.34	0.07645	0.44106	0.0308	0.06357	1.25E-02	3.42E-01	5.97E-03	4.68E-03	3.65E-01	1.23E-02	1.48E-05	6.54E-05	1.37E-04	1.25E-02	1.50E-02	3.42E-01	5.97E-03	4.68E-03	3.68E-01
2828	490319.73	3859155.34	0.0771	0.42316	0.0309	0.06221	1.26E-02	3.28E-01	6.00E-03	4.58E-03	3.51E-01	1.24E-02	1.42E-05	6.58E-05	1.34E-04	1.26E-02	1.51E-02	3.28E-01	6.00E-03	4.58E-03	3.54E-01
2829	490069.73	3859205.34	0.07216	0.50585	0.0277	0.0712	1.18E-02	3.92E-01	5.36E-03	5.24E-03	4.15E-01	1.16E-02	1.70E-05	5.88E-05	1.53E-04	1.19E-02	1.41E-02	3.92E-01	5.36E-03	5.24E-03	4.17E-01
2830	490119.73	3859205.34	0.07236	0.49366	0.028	0.06948	1.18E-02	3.83E-01	5.43E-03	5.12E-03	4.05E-01	1.17E-02	1.66E-05	5.96E-05	1.50E-04	1.19E-02	1.42E-02	3.83E-01	5.43E-03	5.12E-03	4.08E-01
2831	490169.73	3859205.34	0.07273	0.47908	0.0283	0.06778	1.19E-02	3.72E-01	5.49E-03	4.99E-03	3.94E-01	1.17E-02	1.61E-05	6.02E-05	1.46E-04	1.19E-02	1.42E-02	3.72E-01	5.49E-03	4.99E-03	3.96E-01
2832	490219.73	3859205.34	0.07322	0.46179	0.0285	0.06613	1.20E-02	3.58E-01	5.52E-03	4.87E-03	3.81E-01	1.18E-02	1.55E-05	6.05E-05	1.42E-04	1.20E-02	1.43E-02	3.58E-01	5.52E-03	4.87E-03	3.83E-01
2833	490269.73	3859205.34	0.07381	0.442	0.0286	0.06458	1.21E-02	3.43E-01	5.55E-03	4.75E-03	3.65E-01	1.19E-02	1.48E-05	6.08E-05	1.39E-04	1.21E-02	1.44E-02	3.43E-01	5.55E-03	4.75E-03	3.68E-01
2834	490319.73	3859205.34	0.07427	0.42713	0.0288	0.06315	1.21E-02	3.31E-01	5.58E-03	4.65E-03	3.54E-01	1.20E-02	1.43E-05	6.12E-05	1.36E-04	1.22E-02	1.45E-02	3.31E-01	5.58E-03	4.65E-03	3.56E-01
2835	490069.73	3859255.34	0.06988	0.51063	0.0257	0.07252	1.14E-02	3.96E-01	4.99E-03	5.34E-03	4.18E-01	1.13E-02	1.72E-05	5.47E-05	1.56E-04	1.15E-02	1.37E-02	3.96E-01	4.99E-03	5.34E-03	4.20E-01
2836	490119.73	3859255.34	0.07004	0.49777	0.0261	0.07068	1.15E-02	3.86E-01	5.06E-03	5.20E-03	4.08E-01	1.13E-02	1.67E-05	5.55E-05	1.52E-04	1.15E-02	1.37E-02	3.86E-01	5.06E-03	5.20E-03	4.10E-01
2837	490169.73	3859255.34	0.07031	0.48355	0.0264	0.06889	1.15E-02	3.75E-01	5.12E-03	5.07E-03	3.97E-01	1.13E-02	1.62E-05	5.62E-05	1.48E-04	1.15E-02	1.38E-02	3.75E-01	5.12E-03	5.07E-03	3.99E-01
2838	490219.73	3859255.34	0.07075	0.4666	0.0266	0.06715	1.16E-02	3.62E-01	5.16E-03	4.94E-03	3.84E-01	1.14E-02	1.57E-05	5.66E-05	1.45E-04	1.16E-02	1.38E-02	3.62E-01	5.16E-03	4.94E-03	3.86E-01
2839	490269.73	3859255.34	0.07123	0.44891	0.0268	0.06551	1.17E-02	3.48E-01	5.19E-03	4.82E-03	3.70E-01	1.15E-02	1.51E-05	5.69E-05	1.41E-04	1.17E-02	1.39E-02	3.48E-01	5.19E-03	4.82E-03	3.72E-01
2840	490319.73	3859255.34	0.07161	0.43358	0.027	0.064	1.17E-02	3.36E-01	5.23E-03	4.71E-03	3.58E-01	1.15E-02	1.46E-05	5.73E-05	1.38E-04	1.17E-02	1.40E-02	3.36E-01	5.23E-03	4.71E-03	3.60E-01
2841	490069.73	3859305.34	0.0679	0.51377	0.024	0.07379	1.11E-02	3.99E-01	4.65E-03	5.43E-03	4.20E-01	1.09E-02	1.73E-05	5.09E-05	1.59E-04	1.12E-02	1.33E-02	3.99E-01	4.65E-03	5.43E-03	4.22E-01
2842	490119.73	3859305.34	0.06793	0.50131	0.0243	0.07186	1.11E-02	3.89E-01	4.71E-03	5.29E-03	4.10E-01	1.09E-02	1.68E-05	5.17E-05	1.55E-04	1.12E-02	1.33E-02	3.89E-01	4.71E-03	5.29E-03	4.12E-01
2843	490169.73	3859305.34	0.06808	0.48733	0.0247	0.06997	1.11E-02	3.78E-01	4.78E-03	5.15E-03	3.99E-01	1.10E-02	1.64E-05	5.25E-05	1.51E-04	1.12E-02	1.33E-02	3.78E-01	4.78E-03	5.15E-03	4.01E-01
2844	490219.73	3859305.34	0.0684	0.47168	0.0249	0.06813	1.12E-02	3.66E-01	4.84E-03	5.02E-03	3.87E-01	1.10E-02	1.58E-05	5.30E-05	1.47E-04	1.12E-02	1.34E-02	3.66E-01	4.84E-03	5.02E-03	3.89E-01
2845	490269.73	3859305.34	0.06878	0.45595	0.0251	0.0664	1.12E-02	3.54E-01	4.87E-03	4.89E-03	3.75E-01	1.11E-02	1.53E-05	5.35E-05	1.43E-04	1.13E-02	1.35E-02	3.54E-01	4.87E-03	4.89E-03	3.77E-01
2846	490319.73	3859305.34	0.06922	0.43857	0.0253	0.06477	1.13E-02	3.40E-01	4.91E-03	4.77E-03	3.61E-01	1.12E-02	1.47E-05	5.38E-05	1.39E-04	1.14E-02	1.35E-02	3.40E-01	4.91E-03	4.77E-03	3.63E-01
2847	490069.73	3859355.34	0.06597	0.51754	0.0223	0.0751	1.08E-02	4.01E-01	4.32E-03	5.53E-03	4.22E-01	1.06E-02	1.74E-05	4.74E-05	1.62E-04	1.09E-02	1.29E-02	4.01E-01	4.32E-03	5.53E-03	4.24E-01
2848	490119.73	3859355.34	0.06594	0.5049	0.0226	0.07304	1.08E-02	3.92E-01	4.38E-03	5.38E-03	4.12E-01	1.06E-02	1.70E-05	4.81E-05	1.57E-04	1.08E-02	1.29E-02	3.92E-01	4.38E-03	5.38E-03	4.14E-01
2849	490169.73	3859355.34	0.06603	0.49098	0.023	0.07102	1.08E-02	3.81E-01	4.46E-03	5.23E-03	4.01E-01	1.06E-02	1.65E-05	4.89E-05	1.53E-04	1.09E-02	1.29E-02	3.81E-01	4.46E-03	5.23E-03	4.03E-01
2850	490219.73	3859355.34	0.06625	0.47568	0.0234	0.06906	1.08E-02	3.69E-01	4.54E-03	5.08E-03	3.89E-01	1.07E-02	1.60E-05	4.98E-05	1.49E-04	1.09E-02	1.30E-02	3.69E-01	4.54E-03	5.08E-03	3.92E-01
2851	490269.73	3859355.34	0.06651	0.46139	0.0237	0.06722	1.09E-02	3.58E-01	4.59E-03	4.95E-03	3.78E-01	1.07E-02	1.55E-05	5.03E-05	1.45E-04	1.09E-02	1.30E-02	3.58E-01	4.59E-03	4.95E-03	3.80E-01
2852	490319.73	3859355.34	0.06687	0.44575	0.0238	0.06548	1.09E-02	3.46E-01	4.62E-03	4.82E-03	3.66E-01	1.08E-02	1.50E-05	5.07E-05	1.41E-04	1.10E-02	1.31E-02	3.46E-01	4.62E-03	4.82E-03	3.68E-01
2853	490069.73	3859405.34	0.06427	0.51969	0.0208	0.07633	1.05E-02	4.03E-01	4.03E-03	5.62E-03	4.23E-01	1.04E-02	1.75E-05	4.42E-05	1.64E-04	1.06E-02	1.26E-02	4.03E-01	4.03E-03	5.62E-03	4.25E-01
2854	490119.73	3859405.34	0.06417	0.50647	0.0211	0.07411	1.05E-02	3.93E-01	4.09E-03	5.46E-03	4.13E-01	1.03E-02	1.70E-05	4.49E-05	1.60E-04	1.06E-02	1.26E-02	3.93E-01	4.09E-03	5.46E-03	4.15E-01
2855	490169.73	3859405.34	0.06422	0.49246	0.0215	0.07194	1.05E-02	3.82E-01	4.17E-03	5.30E-03	4.02E-01	1.03E-02	1.65E-05	4.57E-05	1.55E-04	1.06E-02	1.26E-02	3.82E-01	4.17E-03	5.30E-03	4.04E-01
2856	490219.73	3859405.34	0.06432	0.47877	0.0219	0.06988	1.05E-02	3.71E-01	4.24E-03	5.14E-03	3.91E-01	1.04E-02	1.61E-05	4.65E-05	1.50E-04	1.06E-02	1.26E-02	3.71E-01	4.24E-03	5.14E-03	3.93E-01
2857	490269.73	3859405.34	0.06449	0.46443	0.0223	0.06792	1.05E-02	3.60E-01	4.32E-03	5.00E-03	3.80E-01	1.04E-02	1.56E-05	4.73E-05	1.46E-04	1.06E-02	1.26E-02	3.60E-01	4.32E-03	5.00E-03	3.82E-01
2858	490319.73	3859405.34	0.06475	0.45025	0.0225	0.06607	1.06E-02	3.49E-01	4.36E-03	4.86E-03	3.69E-01	1.04E-02	1.51E-05	4.78E-05	1.42E-04	1.06E-02	1.27E-02	3.49E-01	4.36E-03	4.86E-03	3.71E-01
2859	490161.89	3859541.83	0.06	0.49586	0.0181	0.07357	9.81E-03	3.85E-01	3.52E-03	5.42E-03	4.03E-01	9.67E-03	1.67E-05	3.86E-05	1.58E-04	9.88E-03	1.17E-02	3.85E-01	3.52E-03	5.42E-03	4.05E-01
2860	490171.89	3859541.83	0.05998	0.49338	0.0182	0.07309	9.81E-03	3.83E-01	3.53E-03	5.38E-03	4.01E-01	9.66E-03	1.66E-05	3.87E-05	1.57E-04	9.88E-03	1.17E-02	3.83E-01	3.53E-03	5.38E-03	4.03E-01
2861	490161.89	3859551.83	0.05974	0.49566	0.018	0.07354	9.77E-03	3.84E-01	3.48E-03	5.41E-03	4.03E-01	9.63E-03	1.66E-05	3.82E-05	1.58E-04	9.84E-03	1.17E-02	3.85E-01	3.48E-03	5.41E-03	4.05E-01
2862	490171.89	3859551.83	0.05972	0.49327	0.018	0.07306	9.77E-03	3.83E-01	3.49E-03	5.38E-03	4.01E-01	9.62E-03	1.66E-05	3.83E-05	1.57E-04	9.83E-03	1.17E-02	3.83E-01	3.49E-03	5.38E-03	4.03E-01
2863	489799.72	3859348.21	0.06683	0.60423	0.0207	0.0883	1.09E-02	4.69E-01	4.01E-03	6.50E-03	4.90E-01	1.08E-02	2.03E-05	4.40E-05	1.90E-04	1.10E-02	1.31E-02	4.69E-01	4.01E-03	6.50E-03	4.92E-01

2864	489819.72	3859348.21	0.06671	0.59701	0.0208	0.08716	1.09E-02	4.63E-01	4.04E-03	6.42E-03	4.84E-01	1.07E-02	2.01E-05	4.42E-05	1.88E-04	1.10E-02	1.31E-02	4.63E-01	4.04E-03	6.42E-03	4.87E-01
2865	489799.72	3859368.21	0.06631	0.60431	0.0202	0.08913	1.08E-02	4.69E-01	3.91E-03	6.56E-03	4.90E-01	1.07E-02	2.03E-05	4.29E-05	1.92E-04	1.09E-02	1.30E-02	4.69E-01	3.91E-03	6.56E-03	4.92E-01
2866	489819.72	3859368.21	0.06621	0.5965	0.0203	0.08794	1.08E-02	4.63E-01	3.94E-03	6.47E-03	4.84E-01	1.07E-02	2.00E-05	4.32E-05	1.89E-04	1.09E-02	1.30E-02	4.63E-01	3.94E-03	6.47E-03	4.86E-01
2867	489775.41	3859329.72	0.0674	0.61444	0.021	0.089	1.10E-02	4.77E-01	4.07E-03	6.55E-03	4.98E-01	1.09E-02	2.06E-05	4.46E-05	1.92E-04	1.11E-02	1.32E-02	4.77E-01	4.07E-03	6.55E-03	5.00E-01
2868	489795.41	3859329.72	0.06729	0.60671	0.0211	0.08784	1.10E-02	4.71E-01	4.09E-03	6.47E-03	4.92E-01	1.08E-02	2.04E-05	4.49E-05	1.89E-04	1.11E-02	1.32E-02	4.71E-01	4.09E-03	6.47E-03	4.94E-01
2869	489775.41	3859349.72	0.06691	0.61396	0.0205	0.08982	1.09E-02	4.76E-01	3.97E-03	6.61E-03	4.98E-01	1.08E-02	2.06E-05	4.35E-05	1.93E-04	1.10E-02	1.31E-02	4.76E-01	3.97E-03	6.61E-03	5.00E-01
2870	489795.41	3859349.72	0.06682	0.60583	0.0206	0.08861	1.09E-02	4.70E-01	4.00E-03	6.52E-03	4.91E-01	1.08E-02	2.04E-05	4.38E-05	1.91E-04	1.10E-02	1.31E-02	4.70E-01	4.00E-03	6.52E-03	4.94E-01
2871	489595.05	3859219.43	0.07099	0.68993	0.0227	0.09399	1.16E-02	5.35E-01	4.41E-03	6.92E-03	5.58E-01	1.14E-02	2.32E-05	4.83E-05	2.02E-04	1.17E-02	1.39E-02	5.35E-01	4.41E-03	6.92E-03	5.60E-01
2872	489615.05	3859219.43	0.07098	0.67872	0.023	0.09283	1.16E-02	5.26E-01	4.45E-03	6.83E-03	5.49E-01	1.14E-02	2.28E-05	4.88E-05	2.00E-04	1.17E-02	1.39E-02	5.27E-01	4.45E-03	6.83E-03	5.52E-01
2873	489595.05	3859239.43	0.07047	0.69298	0.0221	0.09538	1.15E-02	5.38E-01	4.28E-03	7.02E-03	5.60E-01	1.14E-02	2.33E-05	4.69E-05	2.05E-04	1.16E-02	1.38E-02	5.38E-01	4.28E-03	7.02E-03	5.63E-01
2874	489615.05	3859239.43	0.07043	0.68149	0.0223	0.09415	1.15E-02	5.29E-01	4.32E-03	6.93E-03	5.51E-01	1.13E-02	2.29E-05	4.74E-05	2.03E-04	1.16E-02	1.38E-02	5.29E-01	4.32E-03	6.93E-03	5.54E-01
2875	489372.4	3859092.58	0.07448	0.78815	0.0248	0.09254	1.22E-02	6.11E-01	4.81E-03	6.81E-03	6.35E-01	1.20E-02	2.65E-05	5.28E-05	1.99E-04	1.23E-02	1.46E-02	6.11E-01	4.81E-03	6.81E-03	6.38E-01
2876	489422.4	3859092.58	0.07404	0.75446	0.0256	0.09051	1.21E-02	5.85E-01	4.96E-03	6.66E-03	6.09E-01	1.19E-02	2.53E-05	5.44E-05	1.95E-04	1.22E-02	1.45E-02	5.85E-01	4.96E-03	6.66E-03	6.11E-01
2877	489372.4	3859142.58	0.07438	0.80998	0.0228	0.0986	1.22E-02	6.28E-01	4.42E-03	7.26E-03	6.52E-01	1.20E-02	2.72E-05	4.84E-05	2.12E-04	1.23E-02	1.46E-02	6.28E-01	4.42E-03	7.26E-03	6.55E-01
2878	489422.4	3859142.58	0.07354	0.77521	0.0235	0.09617	1.20E-02	6.01E-01	4.55E-03	7.08E-03	6.25E-01	1.18E-02	2.60E-05	4.99E-05	2.07E-04	1.21E-02	1.44E-02	6.01E-01	4.55E-03	7.08E-03	6.27E-01
2879	488870.84	3858666.64	0.09938	0.58116	0.0479	0.06745	1.63E-02	4.51E-01	9.29E-03	4.97E-03	4.81E-01	1.60E-02	1.95E-05	1.02E-04	1.45E-04	1.63E-02	1.94E-02	4.51E-01	9.29E-03	4.97E-03	4.85E-01
2880	488900.84	3858666.64	0.0958	0.57456	0.0497	0.06673	1.57E-02	4.46E-01	9.63E-03	4.91E-03	4.76E-01	1.54E-02	1.93E-05	1.06E-04	1.44E-04	1.57E-02	1.87E-02	4.46E-01	9.63E-03	4.91E-03	4.79E-01
2881	488870.84	3858696.64	0.09874	0.61638	0.043	0.06903	1.61E-02	4.78E-01	8.34E-03	5.08E-03	5.08E-01	1.59E-02	2.07E-05	9.15E-05	1.49E-04	1.62E-02	1.93E-02	4.78E-01	8.34E-03	5.08E-03	5.11E-01
2882	488900.84	3858696.64	0.0976	0.60836	0.0446	0.06833	1.60E-02	4.72E-01	8.65E-03	5.03E-03	5.02E-01	1.57E-02	2.04E-05	9.48E-05	1.47E-04	1.60E-02	1.91E-02	4.72E-01	8.65E-03	5.03E-03	5.05E-01
2883	488889.67	3858683.97	0.09826	0.59591	0.046	0.06788	1.61E-02	4.62E-01	8.93E-03	5.00E-03	4.92E-01	1.58E-02	2.00E-05	9.79E-05	1.46E-04	1.61E-02	1.92E-02	4.62E-01	8.93E-03	5.00E-03	4.95E-01
2884	488919.67	3858683.97	0.09467	0.58922	0.0477	0.06722	1.55E-02	4.57E-01	9.24E-03	4.95E-03	4.87E-01	1.53E-02	1.98E-05	1.01E-04	1.45E-04	1.55E-02	1.85E-02	4.57E-01	9.24E-03	4.95E-03	4.90E-01
2885	488889.67	3858713.97	0.09768	0.6332	0.0415	0.06958	1.60E-02	4.91E-01	8.04E-03	5.12E-03	5.20E-01	1.57E-02	2.13E-05	8.82E-05	1.50E-04	1.60E-02	1.91E-02	4.91E-01	8.04E-03	5.12E-03	5.23E-01
2886	488919.67	3858713.97	0.09652	0.62448	0.043	0.06891	1.58E-02	4.84E-01	8.33E-03	5.07E-03	5.14E-01	1.56E-02	2.10E-05	9.13E-05	1.48E-04	1.58E-02	1.89E-02	4.84E-01	8.33E-03	5.07E-03	5.17E-01
2887	488906.61	3858703.33	0.09726	0.6151	0.0439	0.06858	1.59E-02	4.77E-01	8.51E-03	5.05E-03	5.07E-01	1.57E-02	2.07E-05	9.33E-05	1.48E-04	1.59E-02	1.90E-02	4.77E-01	8.51E-03	5.05E-03	5.10E-01
2888	488936.61	3858703.33	0.09428	0.60653	0.0454	0.06791	1.54E-02	4.70E-01	8.81E-03	5.00E-03	5.00E-01	1.52E-02	2.04E-05	9.65E-05	1.46E-04	1.55E-02	1.84E-02	4.71E-01	8.81E-03	5.00E-03	5.03E-01
2889	488906.61	3858733.33	0.09666	0.65254	0.0397	0.07037	1.58E-02	5.06E-01	7.71E-03	5.18E-03	5.35E-01	1.56E-02	2.19E-05	8.45E-05	1.51E-04	1.58E-02	1.89E-02	5.06E-01	7.71E-03	5.18E-03	5.38E-01
2890	488936.61	3858733.33	0.09559	0.64345	0.0411	0.0697	1.56E-02	4.99E-01	7.97E-03	5.13E-03	5.28E-01	1.54E-02	2.16E-05	8.74E-05	1.50E-04	1.57E-02	1.87E-02	4.99E-01	7.97E-03	5.13E-03	5.31E-01
2891	488637.63	3858467.85	0.11467	0.48339	0.084	0.06832	1.88E-02	3.75E-01	1.63E-02	5.03E-03	4.15E-01	1.85E-02	1.62E-05	1.79E-04	1.47E-04	1.88E-02	2.24E-02	3.75E-01	1.63E-02	5.03E-03	4.19E-01
2892	488662.63	3858467.85	0.1135	0.47891	0.0878	0.06729	1.86E-02	3.71E-01	1.70E-02	4.95E-03	4.12E-01	1.83E-02	1.61E-05	1.87E-04	1.45E-04	1.86E-02	2.22E-02	3.72E-01	1.70E-02	4.95E-03	4.16E-01
2893	488637.63	3858492.85	0.11307	0.49551	0.0731	0.0694	1.85E-02	3.84E-01	1.42E-02	5.11E-03	4.22E-01	1.82E-02	1.66E-05	1.55E-04	1.49E-04	1.85E-02	2.21E-02	3.84E-01	1.42E-02	5.11E-03	4.26E-01
2894	488662.63	3858492.85	0.11266	0.49078	0.0764	0.06834	1.84E-02	3.81E-01	1.48E-02	5.03E-03	4.19E-01	1.82E-02	1.65E-05	1.63E-04	1.47E-04	1.85E-02	2.20E-02	3.81E-01	1.48E-02	5.03E-03	4.23E-01
2895	488687.63	3858492.85	0.11161	0.48574	0.0799	0.06732	1.83E-02	3.77E-01	1.55E-02	4.96E-03	4.15E-01	1.80E-02	1.63E-05	1.70E-04	1.45E-04	1.83E-02	2.18E-02	3.77E-01	1.55E-02	4.96E-03	4.19E-01
2896	488637.63	3858517.85	0.1112	0.50922	0.0641	0.07038	1.82E-02	3.95E-01	1.24E-02	5.18E-03	4.31E-01	1.79E-02	1.71E-05	1.36E-04	1.52E-04	1.82E-02	2.18E-02	3.95E-01	1.24E-02	5.18E-03	4.34E-01
2897	488662.63	3858517.85	0.11111	0.50416	0.067	0.0693	1.82E-02	3.91E-01	1.30E-02	5.10E-03	4.27E-01	1.79E-02	1.69E-05	1.43E-04	1.49E-04	1.82E-02	2.17E-02	3.91E-01	1.30E-02	5.10E-03	4.31E-01
2898	488687.63	3858517.85	0.11071	0.49946	0.07	0.06828	1.81E-02	3.87E-01	1.36E-02	5.03E-03	4.24E-01	1.78E-02	1.68E-05	1.49E-04	1.47E-04	1.82E-02	2.17E-02	3.87E-01	1.36E-02	5.03E-03	4.28E-01
2899	488194.42	3857168.98	0.78511	0.21942	0.0329	0.02454	1.28E-01	1.70E-01	6.38E-03	1.81E-03	3.07E-01	1.27E-01	7.37E-06	7.00E-05	5.28E-05	1.27E-01	1.54E-01	1.70E-01	6.38E-03	1.81E-03	3.32E-01
2900	488244.42	3857168.98	0.75758	0.21939	0.0334	0.02448	1.24E-01	1.70E-01	6.48E-03	1.80E-03	3.02E-01	1.22E-01	7.37E-06	7.11E-05	5.27E-05	1.22E-01	1.48E-01	1.70E-01	6.48E-03	1.80E-03	3.27E-01
2901	488294.42	3857168.98	0.73279	0.21836	0.034	0.02446	1.20E-01	1.69E-01	6.59E-03	1.80E-03	2.98E-01	1.18E-01	7.34E-06	7.23E-05	5.27E-05	1.18E-01	1.43E-01	1.69E-01	6.59E-03	1.80E-03	3.21E-01
2902	488244.42	3857218.98	0.71003	0.22225	0.0364	0.02461	1.16E-01	1.72E-01	7.06E-03	1.81E-03	2.97E-01	1.14E-01	7.47E-06	7.74E-05	5.30E-05	1.15E-01	1.39E-01	1.72E-01	7.06E-03	1.81E-03	3.20E-01
2903	488294.42	3857218.98	0.68814	0.22167	0.037	0.02463	1.13E-01	1.72E-01	7.18E-03	1.81E-03	2.93E-01	1.11E-01	7.45E-06	7.87E-05	5.30E-05	1.11E-01	1.35E-01	1.72E-01	7.18E-03	1.81E-03	3.16E-01
2904	488294.42	3857268.98	0.64219	0.22556	0.0406	0.02494	1.05E-01	1.75E-01	7.87E-03	1.84E-03	2.90E-01	1.03E-01	7.58E-06	8.63E-05	5.37E-05	1.04E-01	1.26E-01	1.75E-01	7.87E-03	1.84E-03	3.10E-01
2905	488139.13	3857111.68	0.87823	0.21712	0.0297	0.02473	1.44E-01	1.68E-01	5.76E-03	1.82E-03	3.20E-01	1.42E-01	7.29E-06	6.32E-05	5.32E-05	1.42E-01	1.72E-01	1.68E-01	5.76E-03	1.82E-03	3.48E-01
2906	488189.13	3857111.68	0.84357	0.21743	0.03	0.02459	1.38E-01	1.69E-01	5.82E-03	1.81E-03	3.14E-01	1.36E-01	7.30E-06	6.38E-05	5.29E-05	1.36E-01	1.65E-01	1.69E-01	5.82E-03	1.81E-03	3.41E-01
2907	488189.13	3857161.68	0.79535	0.21918	0.0325	0.02454	1.30E-01	1.70E-01	6.30E-03	1.81E-03	3.08E-01	1.28E-01	7.36E-06	6.90E-05	5.28E-05	1.28E-01	1.56E-01	1.70E-01	6.30E-03	1.81E-03	3.34E-01
2908	487951.04	3856961.26	1.1964	0.2138	0.027	0.02609	1.96E-01	1.66E-01	5.23E-03	1.92E-03	3.69E-01	1.93E-01	7.18E-06	5.73E-05	5.62E-05	1.93E-01	2.34E-01	1.66E-01	5.23E-03	1.92E-03	4.07E-01
2909	488001.04	3856961.26	1.14172	0.21232	0.0258	0.02592	1.87E-01	1.65E-01	5.01E-03	1.91E-03	3.58E-01	1.84E-01	7.13E-06	5.49E-05	5.58E-05	1.84E-01	2.23E-01	1.65E-01	5.01E-03	1.91E-03	3.95E-01
2910	488051.04	3856961.26	1.09329	0.20956	0.0248	0.02576	1.79E-01	1.63E-01	4.80E-03	1.90E-03	3.48E-01	1.76E-01	7.04E-06	5.26E-05	5.55E-05	1.76E-01	2.14E-01	1.63E-01	4.80E-03	1.90E-03	3.83E-01
2911	488101.04	3856961.26	1.04368	0.21009	0.0241	0.02558	1.71E-01	1.63E-01	4.68E-03	1.88E-03	3.40E-01	1.68E-01	7.06E-06	5.13E-05	5.51E-05	1.68E-01	2.04E-01	1.63E-01	4.68E-03	1.88E-03	3.74E-01
2912	487951.04	3857011.26	1.14725	0.21825	0.0288	0.02572	1.88E-01	1.69E-01	5.57E-03	1.89E-03	3.64E-01	1.85E-01	7.33E-06	6.11E-05	5.54E-05	1.85E-01	2.24E-01	1.69E-01	5.57E-03	1.89E-03	4.01E-01
2913	488001.04	3857011.26	1.09774	0.21514	0.0276	0.02558	1.80E-01	1.67E-01	5.36E-03	1.88E-03	3.54E-01	1.77E-01	7.23E-06	5.87E-05	5.51E-05	1.77E-01	2.15E-01	1.67E-01	5.36E-03	1.88E-03	3.89E-01
2914	488051.04	3857011.26	1.05157	0.21251	0.0265	0.02544	1.72E-01	1.65E-01	5.13E-03	1.87E-03	3.44E-01	1.69E-01	7.14E-06	5.63E-05	5.48E-05	1.70E-01	2.06E-01	1.65E-01	5.13E-03	1.87E-03	3.78E-01
2915	488101.04	3857011.26	1.00439	0.21299	0.0258	0.02527	1.64E-01	1.65E-01	5.00E-03	1.86E-03	3.36E-01	1.62E-01	7.15E-06	5.49E-05	5.44E-05	1.62E-01	1.97E-01	1.65E-01	5.00E-03	1.86E-03	3.69E-01
2916	488001.04	3857061.26	1.04237	0.21858	0.0297	0.02531	1.70E-01	1.70E-01	5.75E-03	1.86E-03	3.48E-01	1.68E-01	7.34E-06	6.30E-05	5.45E-05	1.68E-01	2.04E-01	1.70E-01	5.75E-03	1.86E-03	3.81E-01
2917	488051.04	3857061.26	0.99842	0.21703	0.0285	0.02517	1.63E-01	1.68E-01	5.52E-03	1.85E-03	3.39E-01	1.61E-01	7.29E-06	6.05E-05	5.42E-05	1.61E-01	1.95E-01	1.68E-01	5.52E-03	1.85E-03	3.71E-01
2918	488101.04	3857061.26	0.95676	0.21614	0.0277	0.02502	1.56E-01	1.68E-01	5.38E-03	1.84E-03	3.31E-01	1.54E-01	7.26E-06	5.89E-05	5.39E-05	1.54E-01	1.87E-01	1.68E-01	5.38E-03	1.84E-03	3.62E-01
2919	487638.98	3856673.79	1.57993	0.19743	0.0205	0.03188	2.58E-01	1.53E-01	3.97E-03	2.35E-03	4.18E-01	2.55E-01	6.63E-06	4.35E-05	6.86E-05	2.55E-01	3.09E-01	1.53E-01	3.97E-03	2.35E-03	4.69E-01
2920	487688.98	3856673.79	1.51693	0.19611	0.0213	0.0314	2.48E-01	1.52E-01	4.13E-03	2.31E-03	4.07E-01	2.44E-01	6.59E-06	4.53E-05	6.76E-05	2.45E-01	2.97E-01	1.52E-01	4.13E-03	2.31E-03	4.55E-01
2921	487638.98	3856723.79	1.62817	0.20302	0.0209	0.03095	2.66E-01	1.57E-01	4.05E-03	2.28E-03	4.30E-01	2.62E-01	6.82E-06	4.44E-05	6.66E-05	2.62E-01	3.19E-01	1.57E-01	4.05E-03	2.28E-03	4.82E-01
2922	487688.98	3856723.79	1.55808	0.20135	0.0218	0.03053	2.55E-01	1.56E-01	4.23E-03	2.25E-03	4.18E-01	2.51E-01	6.76E-06	4.64E-05	6.57E-05	2.51E-01	3.05E-01	1.56E-01	4.23E-03	2.25E-03	4.68E-01
2923	486324.61	3855740.57	1.56979	0.11797	0.0079	0.06012	2.57E-01	9.15E-02	1.53E-03	4.43E-03	3.54E-01	2.53E-01	3.96E-06	1.68E-05	1.29E-04	2.53E-01	3.07E-01	9.15E-02	1.53E-03	4.43E-03	4.05E-01
2924	486374.61	3855740.57	1.45189	0.11389	0.008	0.05931	2.37E-01	8.83E-02	1.55E-03	4.37E-03	3.32E-01	2.34E-01	3.83E-06	1.70E-05	1.28E-04	2.34E-01	2.84E-01	8.83E-02	1.55E-03	4.37E-03	3.78E-01

2925	486424.61	3855740.57	1.38287	0.11212	0.0081	0.0584	2.26E-01	8.70E-02	1.56E-03	4.30E-03	3.19E-01	2.23E-01	3.77E-06	1.71E-05	1.26E-04	2.23E-01	2.71E-01	8.70E-02	1.56E-03	4.30E-03	3.63E-01
2926	486324.61	3855790.57	1.67724	0.1235	0.008	0.06279	2.74E-01	9.58E-02	1.56E-03	4.62E-03	3.76E-01	2.70E-01	4.15E-06	1.71E-05	1.35E-04	2.70E-01	3.28E-01	9.58E-02	1.56E-03	4.62E-03	4.30E-01
2927	486374.61	3855790.57	1.55619	0.11965	0.0082	0.0618	2.55E-01	9.28E-02	1.58E-03	4.55E-03	3.53E-01	2.51E-01	4.02E-06	1.73E-05	1.33E-04	2.51E-01	3.05E-01	9.28E-02	1.58E-03	4.55E-03	4.03E-01
2928	486424.61	3855790.57	1.49619	0.11866	0.0081	0.06067	2.45E-01	9.20E-02	1.58E-03	4.47E-03	3.43E-01	2.41E-01	3.99E-06	1.73E-05	1.31E-04	2.41E-01	2.93E-01	9.20E-02	1.58E-03	4.47E-03	3.91E-01
2929	486324.61	3855840.57	1.7894	0.12905	0.0082	0.06529	2.93E-01	1.00E-01	1.59E-03	4.81E-03	3.99E-01	2.88E-01	4.33E-06	1.74E-05	1.41E-04	2.88E-01	3.50E-01	1.00E-01	1.59E-03	4.81E-03	4.57E-01
2930	486374.61	3855840.57	1.70635	0.12762	0.0082	0.06399	2.79E-01	9.90E-02	1.59E-03	4.71E-03	3.84E-01	2.75E-01	4.29E-06	1.75E-05	1.38E-04	2.75E-01	3.34E-01	9.90E-02	1.59E-03	4.71E-03	4.39E-01
2931	486424.61	3855840.57	1.61779	0.12549	0.0082	0.06274	2.65E-01	9.73E-02	1.60E-03	4.62E-03	3.68E-01	2.61E-01	4.22E-06	1.75E-05	1.35E-04	2.61E-01	3.17E-01	9.73E-02	1.60E-03	4.62E-03	4.20E-01
2932	486324.61	3855890.57	1.96435	0.13744	0.0082	0.06734	3.21E-01	1.07E-01	1.58E-03	4.96E-03	4.34E-01	3.17E-01	4.62E-06	1.73E-05	1.45E-04	3.17E-01	3.84E-01	1.07E-01	1.58E-03	4.96E-03	4.98E-01
2933	486374.61	3855890.57	1.85961	0.13545	0.0083	0.06587	3.04E-01	1.05E-01	1.60E-03	4.85E-03	4.16E-01	3.00E-01	4.55E-06	1.76E-05	1.42E-04	3.00E-01	3.64E-01	1.05E-01	1.60E-03	4.85E-03	4.75E-01
2934	486424.61	3855890.57	1.75303	0.1328	0.0084	0.06448	2.87E-01	1.03E-01	1.62E-03	4.75E-03	3.96E-01	2.82E-01	4.46E-06	1.78E-05	1.39E-04	2.83E-01	3.43E-01	1.03E-01	1.62E-03	4.75E-03	4.52E-01
2935	488735.69	3858285.64	0.13685	0.39739	0.282	0.05582	2.24E-02	3.08E-01	5.47E-02	4.11E-03	3.89E-01	2.21E-02	1.33E-05	6.00E-04	1.20E-04	2.28E-02	2.68E-02	3.08E-01	5.47E-02	4.11E-03	3.94E-01
2936	488765.69	3858285.64	0.1376	0.39335	0.2803	0.05507	2.25E-02	3.05E-01	5.44E-02	4.05E-03	3.86E-01	2.22E-02	1.32E-05	5.96E-04	1.19E-04	2.29E-02	2.69E-02	3.05E-01	5.44E-02	4.05E-03	3.90E-01
2937	488735.69	3858315.64	0.13214	0.40678	0.2394	0.05727	2.16E-02	3.16E-01	4.64E-02	4.22E-03	3.88E-01	2.13E-02	1.37E-05	5.09E-04	1.23E-04	2.19E-02	2.59E-02	3.16E-01	4.64E-02	4.22E-03	3.92E-01
2938	488765.69	3858315.64	0.13297	0.40239	0.2399	0.05648	2.17E-02	3.12E-01	4.65E-02	4.16E-03	3.85E-01	2.14E-02	1.35E-05	5.10E-04	1.22E-04	2.21E-02	2.60E-02	3.12E-01	4.65E-02	4.16E-03	3.89E-01
2939	478676.63	3849871.93	0.00933	0.00759	0.0019	0.00258	1.53E-03	5.89E-03	3.61E-04	1.90E-04	7.96E-03	1.50E-03	2.55E-07	3.95E-06	5.55E-06	1.51E-03	1.83E-03	5.89E-03	3.61E-04	1.90E-04	8.26E-03
2940	479326.63	3849871.93	0.01352	0.00612	0.0018	0.00271	2.21E-03	4.75E-03	3.55E-04	2.00E-04	7.51E-03	2.18E-03	2.06E-07	3.89E-06	5.83E-06	2.19E-03	2.65E-03	4.75E-03	3.55E-04	2.00E-04	7.95E-03
2941	479376.63	3849871.93	0.01386	0.006	0.0018	0.00272	2.27E-03	4.65E-03	3.53E-04	2.00E-04	7.47E-03	2.23E-03	2.02E-07	3.87E-06	5.86E-06	2.24E-03	2.71E-03	4.65E-03	3.53E-04	2.00E-04	7.92E-03
2942	479426.63	3849871.93	0.01421	0.00593	0.0018	0.00272	2.32E-03	4.60E-03	3.53E-04	2.00E-04	7.48E-03	2.29E-03	1.99E-07	3.87E-06	5.86E-06	2.30E-03	2.78E-03	4.60E-03	3.53E-04	2.00E-04	7.93E-03
2943	478726.63	3849921.93	0.00945	0.00772	0.0019	0.0026	1.55E-03	5.99E-03	3.63E-04	1.91E-04	8.09E-03	1.52E-03	2.59E-07	3.98E-06	5.60E-06	1.53E-03	1.85E-03	5.99E-03	3.63E-04	1.91E-04	8.39E-03
2944	478776.63	3849921.93	0.00967	0.00766	0.0019	0.00261	1.58E-03	5.94E-03	3.61E-04	1.92E-04	8.08E-03	1.56E-03	2.57E-07	3.95E-06	5.62E-06	1.57E-03	1.89E-03	5.94E-03	3.61E-04	1.92E-04	8.39E-03
2945	478826.63	3849921.93	0.00991	0.00759	0.0019	0.00262	1.62E-03	5.89E-03	3.61E-04	1.93E-04	8.06E-03	1.60E-03	2.55E-07	3.95E-06	5.64E-06	1.61E-03	1.94E-03	5.89E-03	3.61E-04	1.93E-04	8.38E-03
2946	478976.63	3849921.93	0.01079	0.00732	0.0019	0.00265	1.76E-03	5.68E-03	3.59E-04	1.95E-04	8.00E-03	1.74E-03	2.46E-07	3.93E-06	5.70E-06	1.75E-03	2.11E-03	5.68E-03	3.59E-04	1.95E-04	8.34E-03
2947	479026.63	3849921.93	0.01117	0.00732	0.0019	0.00265	1.83E-03	5.68E-03	3.59E-04	1.95E-04	8.06E-03	1.80E-03	2.46E-07	3.93E-06	5.70E-06	1.81E-03	2.19E-03	5.68E-03	3.59E-04	1.95E-04	8.42E-03
2948	479076.63	3849921.93	0.01154	0.00724	0.0019	0.00266	1.89E-03	5.62E-03	3.59E-04	1.96E-04	8.06E-03	1.86E-03	2.43E-07	3.93E-06	5.73E-06	1.87E-03	2.26E-03	5.62E-03	3.59E-04	1.96E-04	8.43E-03
2949	479126.63	3849921.93	0.01192	0.00712	0.0018	0.00267	1.95E-03	5.52E-03	3.57E-04	1.97E-04	8.03E-03	1.92E-03	2.39E-07	3.91E-06	5.75E-06	1.93E-03	2.33E-03	5.52E-03	3.57E-04	1.97E-04	8.41E-03
2950	479176.63	3849921.93	0.01233	0.00704	0.0018	0.00268	2.02E-03	5.46E-03	3.57E-04	1.97E-04	8.03E-03	1.99E-03	2.36E-07	3.91E-06	5.77E-06	2.00E-03	2.41E-03	5.46E-03	3.57E-04	1.97E-04	8.43E-03
2951	479226.63	3849921.93	0.01268	0.00678	0.0018	0.00269	2.07E-03	5.26E-03	3.57E-04	1.98E-04	7.89E-03	2.04E-03	2.28E-07	3.91E-06	5.79E-06	2.05E-03	2.48E-03	5.26E-03	3.57E-04	1.98E-04	8.30E-03
2952	479276.63	3849921.93	0.01294	0.00641	0.0018	0.00271	2.12E-03	4.97E-03	3.57E-04	2.00E-04	7.65E-03	2.09E-03	2.15E-07	3.91E-06	5.83E-06	2.10E-03	2.53E-03	4.97E-03	3.57E-04	2.00E-04	8.06E-03
2953	479326.63	3849921.93	0.01347	0.0066	0.0018	0.0027	2.20E-03	5.12E-03	3.57E-04	1.99E-04	7.88E-03	2.17E-03	2.22E-07	3.91E-06	5.81E-06	2.18E-03	2.64E-03	5.12E-03	3.57E-04	1.99E-04	8.31E-03
2954	479376.63	3849921.93	0.01372	0.00623	0.0018	0.00272	2.24E-03	4.83E-03	3.57E-04	2.00E-04	7.63E-03	2.21E-03	2.09E-07	3.91E-06	5.86E-06	2.22E-03	2.68E-03	4.83E-03	3.57E-04	2.00E-04	8.07E-03
2955	479426.63	3849921.93	0.01415	0.0063	0.0018	0.00272	2.31E-03	4.89E-03	3.55E-04	2.00E-04	7.76E-03	2.28E-03	2.12E-07	3.89E-06	5.86E-06	2.29E-03	2.77E-03	4.89E-03	3.55E-04	2.00E-04	8.21E-03
2956	478726.63	3849971.93	0.00938	0.0079	0.0019	0.0026	1.53E-03	6.13E-03	3.65E-04	1.91E-04	8.22E-03	1.51E-03	2.65E-07	4.00E-06	5.60E-06	1.52E-03	1.84E-03	6.13E-03	3.65E-04	1.91E-04	8.52E-03
2957	478776.63	3849971.93	0.00957	0.00784	0.0019	0.00261	1.57E-03	6.08E-03	3.65E-04	1.92E-04	8.20E-03	1.54E-03	2.63E-07	4.00E-06	5.62E-06	1.55E-03	1.87E-03	6.08E-03	3.65E-04	1.92E-04	8.51E-03
2958	478826.63	3849971.93	0.00978	0.00777	0.0019	0.00262	1.60E-03	6.03E-03	3.63E-04	1.93E-04	8.18E-03	1.58E-03	2.61E-07	3.98E-06	5.64E-06	1.59E-03	1.91E-03	6.03E-03	3.63E-04	1.93E-04	8.50E-03
2959	478976.63	3849971.93	0.01066	0.00764	0.0019	0.00265	1.74E-03	5.93E-03	3.63E-04	1.95E-04	8.23E-03	1.72E-03	2.57E-07	3.98E-06	5.70E-06	1.73E-03	2.09E-03	5.93E-03	3.63E-04	1.95E-04	8.57E-03
2960	479026.63	3849971.93	0.01097	0.00754	0.0019	0.00266	1.79E-03	5.85E-03	3.61E-04	1.96E-04	8.20E-03	1.77E-03	2.53E-07	3.95E-06	5.73E-06	1.78E-03	2.15E-03	5.85E-03	3.61E-04	1.96E-04	8.55E-03
2961	479076.63	3849971.93	0.01131	0.00743	0.0019	0.00267	1.85E-03	5.76E-03	3.61E-04	1.97E-04	8.17E-03	1.82E-03	2.50E-07	3.95E-06	5.75E-06	1.83E-03	2.21E-03	5.76E-03	3.61E-04	1.97E-04	8.53E-03
2962	479126.63	3849971.93	0.01168	0.00735	0.0019	0.00268	1.91E-03	5.70E-03	3.61E-04	1.97E-04	8.17E-03	1.88E-03	2.47E-07	3.95E-06	5.77E-06	1.89E-03	2.29E-03	5.70E-03	3.61E-04	1.97E-04	8.55E-03
2963	479176.63	3849971.93	0.01209	0.00724	0.0019	0.00268	1.98E-03	5.62E-03	3.59E-04	1.97E-04	8.15E-03	1.95E-03	2.43E-07	3.93E-06	5.77E-06	1.96E-03	2.37E-03	5.62E-03	3.59E-04	1.97E-04	8.54E-03
2964	479226.63	3849971.93	0.01231	0.00676	0.0019	0.00271	2.01E-03	5.24E-03	3.59E-04	2.00E-04	7.82E-03	1.98E-03	2.27E-07	3.93E-06	5.83E-06	1.99E-03	2.41E-03	5.24E-03	3.59E-04	2.00E-04	8.21E-03
2965	479276.63	3849971.93	0.01284	0.00691	0.0019	0.00271	2.10E-03	5.36E-03	3.59E-04	2.00E-04	8.02E-03	2.07E-03	2.32E-07	3.93E-06	5.83E-06	2.08E-03	2.51E-03	5.36E-03	3.59E-04	2.00E-04	8.43E-03
2966	479326.63	3849971.93	0.01332	0.00697	0.0019	0.0027	2.18E-03	5.41E-03	3.59E-04	1.99E-04	8.14E-03	2.15E-03	2.34E-07	3.93E-06	5.81E-06	2.16E-03	2.61E-03	5.41E-03	3.59E-04	1.99E-04	8.57E-03
2967	479376.63	3849971.93	0.0136	0.00659	0.0019	0.00273	2.22E-03	5.11E-03	3.59E-04	2.01E-04	7.90E-03	2.19E-03	2.21E-07	3.93E-06	5.88E-06	2.20E-03	2.66E-03	5.11E-03	3.59E-04	2.01E-04	8.33E-03
2968	479426.63	3849971.93	0.01401	0.00655	0.0018	0.00273	2.29E-03	5.08E-03	3.57E-04	2.01E-04	7.93E-03	2.26E-03	2.20E-07	3.91E-06	5.88E-06	2.27E-03	2.74E-03	5.08E-03	3.57E-04	2.01E-04	8.38E-03
2969	478726.63	3850021.93	0.00934	0.00808	0.0019	0.00261	1.53E-03	6.27E-03	3.66E-04	1.92E-04	8.35E-03	1.50E-03	2.71E-07	4.02E-06	5.62E-06	1.51E-03	1.83E-03	6.27E-03	3.66E-04	1.92E-04	8.65E-03
2970	478776.63	3850021.93	0.0095	0.00801	0.0019	0.00262	1.55E-03	6.21E-03	3.66E-04	1.93E-04	8.33E-03	1.53E-03	2.69E-07	4.02E-06	5.64E-06	1.54E-03	1.86E-03	6.21E-03	3.66E-04	1.93E-04	8.63E-03
2971	478826.63	3850021.93	0.00969	0.00796	0.0019	0.00263	1.58E-03	6.17E-03	3.66E-04	1.94E-04	8.32E-03	1.56E-03	2.67E-07	4.02E-06	5.66E-06	1.57E-03	1.90E-03	6.17E-03	3.66E-04	1.94E-04	8.63E-03
2972	478976.63	3850021.93	0.01048	0.00783	0.0019	0.00265	1.71E-03	6.07E-03	3.65E-04	1.95E-04	8.35E-03	1.69E-03	2.63E-07	4.00E-06	5.70E-06	1.70E-03	2.05E-03	6.07E-03	3.65E-04	1.95E-04	8.68E-03
2973	478726.63	3850071.93	0.00933	0.00826	0.0019	0.00261	1.53E-03	6.41E-03	3.68E-04	1.92E-04	8.49E-03	1.50E-03	2.77E-07	4.04E-06	5.62E-06	1.51E-03	1.83E-03	6.41E-03	3.68E-04	1.92E-04	8.79E-03
2974	478776.63	3850071.93	0.00947	0.00821	0.0019	0.00262	1.55E-03	6.37E-03	3.68E-04	1.93E-04	8.48E-03	1.53E-03	2.76E-07	4.04E-06	5.64E-06	1.54E-03	1.85E-03	6.37E-03	3.68E-04	1.93E-04	8.78E-03
2975	478826.63	3850071.93	0.00963	0.00815	0.0019	0.00263	1.58E-03	6.32E-03	3.68E-04	1.94E-04	8.46E-03	1.55E-03	2.74E-07	4.04E-06	5.66E-06	1.56E-03	1.88E-03	6.32E-03	3.68E-04	1.94E-04	8.77E-03
2976	478876.63	3850071.93	0.00983	0.0081	0.0019	0.00264	1.61E-03	6.28E-03	3.68E-04	1.94E-04	8.45E-03	1.58E-03	2.72E-07	4.04E-06	5.68E-06	1.59E-03	1.92E-03	6.28E-03	3.68E-04	1.94E-04	8.77E-03
2977	478976.63	3850071.93	0.01033	0.00804	0.0019	0.00266	1.69E-03	6.24E-03	3.66E-04	1.96E-04	8.49E-03	1.66E-03	2.70E-07	4.02E-06	5.73E-06	1.67E-03	2.02E-03	6.24E-03	3.66E-04	1.96E-04	8.82E-03
2978	478726.63	3850121.93	0.00936	0.00844	0.0019	0.00262	1.53E-03	6.55E-03	3.72E-04	1.93E-04	8.64E-03	1.51E-03	2.84E-07	4.08E-06	5.64E-06	1.52E-03	1.83E-03	6.55E-03	3.72E-04	1.93E-04	8.94E-03
2979	478776.63	3850121.93	0.00947	0.00841	0.0019	0.00263	1.55E-03	6.52E-03	3.70E-04	1.94E-04	8.64E-03	1.53E-03	2.83E-07	4.06E-06	5.66E-06	1.54E-03	1.85E-03	6.52E-03	3.70E-04	1.94E-04	8.94E-03
2980	478826.63	3850121.93	0.00961	0.00835	0.0019	0.00264	1.57E-03	6.48E-03	3.70E-04	1.94E-04	8.61E-03	1.55E-03	2.80E-07	4.06E-06	5.68E-06	1.56E-03	1.88E-03	6.48E-03	3.70E-04	1.94E-04	8.92E-03
2981	478876.63	3850121.93	0.00977	0.00829	0.0019	0.00265	1.60E-03	6.43E-03	3.70E-04	1.95E-04	8.59E-03	1.57E-03	2.78E-07	4.06E-06	5.70E-06	1.58E-03	1.91E-03	6.43E-03	3.70E-04	1.95E-04	8.91E-03
2982	478976.63	3850121.93	0.01021	0.00823	0.0019	0.00266	1.67E-03	6.38E-03	3.70E-04	1.96E-04	8.62E-03	1.65E-03	2.76E-07	4.06E-06	5.73E-06	1.66E-03	2.00E-03	6.38E-03	3.70E-04	1.96E-04	8.95E-03
2983	479026.63	3850121.93	0.01048	0.00819	0.0019	0.00267	1.71E-03	6.35E-03	3.68E-04	1.97E-04	8.63E-03	1.69E-03	2.75E-07	4.04E-06	5.75E-06	1.70E-03	2.05E-03	6.35E-03	3.68E-04	1.97E-04	8.97E-03
2984	479076.63	3850121.93	0.01076	0.00812	0.0019	0.00268	1.76E-03	6.30E-03	3.68E-04	1.97E-04	8.62E-03	1.73E-03	2.73E-07	4.04E-06	5.77E-06	1.74E-03	2.11E-03	6.30E-03	3.68E-04	1.97E-04	8.97E-03
2985	479126.63	3850121.93	0.01108	0.00804	0.0019	0.00269	1.81E-03	6.24E-03	3.68E-04	1.98E-04	8.62E-03	1.79E-03	2.70E-07	4.04E-06	5.79E-06	1.80E-03	2.17E-03	6.24E-03	3.68E-04	1.98E-04	8.97E-03

2986	478776.63	3850171.93	0.0095	0.00859	0.0019	0.00263	1.55E-03	6.66E-03	3.74E-04	1.94E-04	8.78E-03	1.53E-03	2.89E-07	4.10E-06	5.66E-06	1.54E-03	1.86E-03	6.66E-03	3.74E-04	1.94E-04	9.09E-03
2987	478826.63	3850171.93	0.00961	0.00853	0.0019	0.00264	1.57E-03	6.62E-03	3.72E-04	1.94E-04	8.76E-03	1.55E-03	2.87E-07	4.08E-06	5.68E-06	1.56E-03	1.88E-03	6.62E-03	3.72E-04	1.94E-04	9.06E-03
2988	478876.63	3850171.93	0.00975	0.00848	0.0019	0.00265	1.59E-03	6.58E-03	3.72E-04	1.95E-04	8.74E-03	1.57E-03	2.85E-07	4.08E-06	5.70E-06	1.58E-03	1.91E-03	6.58E-03	3.72E-04	1.95E-04	9.05E-03
2989	478976.63	3850171.93	0.01014	0.00843	0.0019	0.00267	1.66E-03	6.54E-03	3.72E-04	1.97E-04	8.77E-03	1.63E-03	2.83E-07	4.08E-06	5.75E-06	1.64E-03	1.98E-03	6.54E-03	3.72E-04	1.97E-04	9.09E-03
2990	479026.63	3850171.93	0.01039	0.00841	0.0019	0.00267	1.70E-03	6.52E-03	3.72E-04	1.97E-04	8.79E-03	1.67E-03	2.83E-07	4.08E-06	5.75E-06	1.68E-03	2.03E-03	6.52E-03	3.72E-04	1.97E-04	9.13E-03
2991	479076.63	3850171.93	0.01063	0.00834	0.0019	0.00268	1.74E-03	6.47E-03	3.70E-04	1.97E-04	8.78E-03	1.71E-03	2.80E-07	4.06E-06	5.77E-06	1.72E-03	2.08E-03	6.47E-03	3.70E-04	1.97E-04	9.12E-03
2992	479126.63	3850171.93	0.01092	0.00828	0.0019	0.00269	1.79E-03	6.42E-03	3.70E-04	1.98E-04	8.78E-03	1.76E-03	2.78E-07	4.06E-06	5.79E-06	1.77E-03	2.14E-03	6.42E-03	3.70E-04	1.98E-04	9.13E-03
2993	479176.63	3850171.93	0.01125	0.00824	0.0019	0.0027	1.84E-03	6.39E-03	3.70E-04	1.99E-04	8.80E-03	1.81E-03	2.77E-07	4.06E-06	5.81E-06	1.82E-03	2.20E-03	6.39E-03	3.70E-04	1.99E-04	9.16E-03
2994	479226.63	3850171.93	0.01165	0.00827	0.0019	0.0027	1.91E-03	6.42E-03	3.70E-04	1.99E-04	8.89E-03	1.88E-03	2.78E-07	4.06E-06	5.81E-06	1.89E-03	2.28E-03	6.42E-03	3.70E-04	1.99E-04	9.26E-03
2995	479276.63	3850171.93	0.01205	0.00829	0.0019	0.0027	1.97E-03	6.43E-03	3.68E-04	1.99E-04	8.97E-03	1.94E-03	2.78E-07	4.04E-06	5.81E-06	1.95E-03	2.36E-03	6.43E-03	3.68E-04	1.99E-04	9.36E-03
2996	479326.63	3850171.93	0.01242	0.00816	0.0019	0.00271	2.03E-03	6.33E-03	3.68E-04	2.00E-04	8.93E-03	2.00E-03	2.74E-07	4.04E-06	5.83E-06	2.01E-03	2.43E-03	6.33E-03	3.68E-04	2.00E-04	9.33E-03
2997	479376.63	3850171.93	0.01279	0.00801	0.0019	0.00272	2.09E-03	6.21E-03	3.68E-04	2.00E-04	8.87E-03	2.06E-03	2.69E-07	4.04E-06	5.86E-06	2.07E-03	2.50E-03	6.21E-03	3.68E-04	2.00E-04	9.29E-03
2998	478676.63	3850221.93	0.00945	0.00877	0.0019	0.00262	1.55E-03	6.80E-03	3.76E-04	1.93E-04	8.92E-03	1.52E-03	2.95E-07	4.12E-06	5.64E-06	1.53E-03	1.85E-03	6.80E-03	3.76E-04	1.93E-04	9.22E-03
2999	478726.63	3850221.93	0.0095	0.00878	0.0019	0.00263	1.55E-03	6.81E-03	3.76E-04	1.94E-04	8.93E-03	1.53E-03	2.95E-07	4.12E-06	5.66E-06	1.54E-03	1.86E-03	6.81E-03	3.76E-04	1.94E-04	9.24E-03
3000	478976.63	3850221.93	0.0101	0.00864	0.0019	0.00267	1.65E-03	6.70E-03	3.74E-04	1.97E-04	8.92E-03	1.63E-03	2.90E-07	4.10E-06	5.75E-06	1.64E-03	1.98E-03	6.70E-03	3.74E-04	1.97E-04	9.25E-03
3001	479026.63	3850221.93	0.01032	0.00862	0.0019	0.00268	1.69E-03	6.69E-03	3.74E-04	1.97E-04	8.95E-03	1.66E-03	2.90E-07	4.10E-06	5.77E-06	1.67E-03	2.02E-03	6.69E-03	3.74E-04	1.97E-04	9.28E-03
3002	479076.63	3850221.93	0.01054	0.00856	0.0019	0.00269	1.72E-03	6.64E-03	3.74E-04	1.98E-04	8.94E-03	1.70E-03	2.88E-07	4.10E-06	5.79E-06	1.71E-03	2.06E-03	6.64E-03	3.74E-04	1.98E-04	9.28E-03
3003	479126.63	3850221.93	0.0108	0.00851	0.0019	0.0027	1.77E-03	6.60E-03	3.74E-04	1.99E-04	8.94E-03	1.74E-03	2.86E-07	4.10E-06	5.81E-06	1.75E-03	2.11E-03	6.60E-03	3.74E-04	1.99E-04	9.29E-03
3004	479176.63	3850221.93	0.01112	0.0085	0.0019	0.0027	1.82E-03	6.59E-03	3.72E-04	1.99E-04	8.98E-03	1.79E-03	2.86E-07	4.08E-06	5.81E-06	1.80E-03	2.18E-03	6.59E-03	3.72E-04	1.99E-04	9.34E-03
3005	479226.63	3850221.93	0.01147	0.0085	0.0019	0.00271	1.88E-03	6.59E-03	3.72E-04	2.00E-04	9.04E-03	1.85E-03	2.86E-07	4.08E-06	5.83E-06	1.86E-03	2.24E-03	6.59E-03	3.72E-04	2.00E-04	9.41E-03
3006	479276.63	3850221.93	0.01184	0.0085	0.0019	0.00271	1.94E-03	6.59E-03	3.72E-04	2.00E-04	9.10E-03	1.91E-03	2.86E-07	4.08E-06	5.83E-06	1.92E-03	2.32E-03	6.59E-03	3.72E-04	2.00E-04	9.48E-03
3007	479326.63	3850221.93	0.01218	0.00837	0.0019	0.00272	1.99E-03	6.49E-03	3.70E-04	2.00E-04	9.06E-03	1.96E-03	2.81E-07	4.06E-06	5.86E-06	1.97E-03	2.38E-03	6.49E-03	3.70E-04	2.00E-04	9.45E-03
3008	479376.63	3850221.93	0.01257	0.00827	0.0019	0.00273	2.06E-03	6.42E-03	3.70E-04	2.01E-04	9.04E-03	2.03E-03	2.78E-07	4.06E-06	5.88E-06	2.04E-03	2.46E-03	6.42E-03	3.70E-04	2.01E-04	9.45E-03
3009	478676.63	3850271.93	0.00959	0.00892	0.002	0.00263	1.57E-03	6.92E-03	3.78E-04	1.94E-04	9.06E-03	1.55E-03	3.00E-07	4.15E-06	5.66E-06	1.56E-03	1.88E-03	6.92E-03	3.78E-04	1.94E-04	9.37E-03
3010	478726.63	3850271.93	0.00962	0.00893	0.002	0.00264	1.57E-03	6.93E-03	3.78E-04	1.94E-04	9.07E-03	1.55E-03	3.00E-07	4.15E-06	5.68E-06	1.56E-03	1.88E-03	6.93E-03	3.78E-04	1.94E-04	9.38E-03
3011	478976.63	3850271.93	0.01008	0.00882	0.002	0.00268	1.65E-03	6.84E-03	3.78E-04	1.97E-04	9.07E-03	1.62E-03	2.96E-07	4.15E-06	5.77E-06	1.63E-03	1.97E-03	6.84E-03	3.78E-04	1.97E-04	9.39E-03
3012	479026.63	3850271.93	0.01028	0.00882	0.0019	0.00269	1.68E-03	6.84E-03	3.76E-04	1.98E-04	9.10E-03	1.66E-03	2.96E-07	4.12E-06	5.79E-06	1.67E-03	2.01E-03	6.84E-03	3.76E-04	1.98E-04	9.43E-03
3013	479076.63	3850271.93	0.01048	0.00878	0.0019	0.00269	1.71E-03	6.81E-03	3.76E-04	1.98E-04	9.10E-03	1.69E-03	2.95E-07	4.12E-06	5.79E-06	1.70E-03	2.05E-03	6.81E-03	3.76E-04	1.98E-04	9.44E-03
3014	479126.63	3850271.93	0.01072	0.00875	0.0019	0.0027	1.75E-03	6.79E-03	3.76E-04	1.99E-04	9.12E-03	1.73E-03	2.94E-07	4.12E-06	5.81E-06	1.74E-03	2.10E-03	6.79E-03	3.76E-04	1.99E-04	9.46E-03
3015	479176.63	3850271.93	0.011	0.00873	0.0019	0.00271	1.80E-03	6.77E-03	3.76E-04	2.00E-04	9.15E-03	1.77E-03	2.93E-07	4.12E-06	5.83E-06	1.78E-03	2.15E-03	6.77E-03	3.76E-04	2.00E-04	9.50E-03
3016	479226.63	3850271.93	0.01132	0.00872	0.0019	0.00271	1.85E-03	6.76E-03	3.76E-04	2.00E-04	9.19E-03	1.82E-03	2.93E-07	4.12E-06	5.83E-06	1.83E-03	2.22E-03	6.76E-03	3.76E-04	2.00E-04	9.56E-03
3017	479276.63	3850271.93	0.01165	0.00868	0.0019	0.00272	1.91E-03	6.73E-03	3.74E-04	2.00E-04	9.21E-03	1.88E-03	2.92E-07	4.10E-06	5.86E-06	1.89E-03	2.28E-03	6.73E-03	3.74E-04	2.00E-04	9.59E-03
3018	479326.63	3850271.93	0.01197	0.00857	0.0019	0.00273	1.96E-03	6.65E-03	3.74E-04	2.01E-04	9.18E-03	1.93E-03	2.88E-07	4.10E-06	5.88E-06	1.94E-03	2.34E-03	6.65E-03	3.74E-04	2.01E-04	9.57E-03
3019	479376.63	3850271.93	0.01231	0.00843	0.0019	0.00274	2.01E-03	6.54E-03	3.74E-04	2.02E-04	9.13E-03	1.98E-03	2.83E-07	4.10E-06	5.90E-06	1.99E-03	2.41E-03	6.54E-03	3.74E-04	2.02E-04	9.52E-03
3020	479053.24	3850293.52	0.01038	0.0089	0.002	0.00269	1.70E-03	6.90E-03	3.78E-04	1.98E-04	9.18E-03	1.67E-03	2.99E-07	4.15E-06	5.79E-06	1.68E-03	2.03E-03	6.90E-03	3.78E-04	1.98E-04	9.51E-03
3021	479103.24	3850293.52	0.0106	0.00887	0.002	0.0027	1.73E-03	6.88E-03	3.78E-04	1.99E-04	9.19E-03	1.71E-03	2.98E-07	4.15E-06	5.81E-06	1.72E-03	2.07E-03	6.88E-03	3.78E-04	1.99E-04	9.53E-03
3022	479153.24	3850293.52	0.01083	0.00883	0.0019	0.00271	1.77E-03	6.85E-03	3.76E-04	2.00E-04	9.20E-03	1.75E-03	2.97E-07	4.12E-06	5.83E-06	1.76E-03	2.12E-03	6.85E-03	3.76E-04	2.00E-04	9.54E-03
3023	479203.24	3850293.52	0.01112	0.00882	0.0019	0.00271	1.82E-03	6.84E-03	3.76E-04	2.00E-04	9.24E-03	1.79E-03	2.96E-07	4.12E-06	5.83E-06	1.80E-03	2.18E-03	6.84E-03	3.76E-04	2.00E-04	9.59E-03
3024	479253.24	3850293.52	0.01143	0.00879	0.0019	0.00272	1.87E-03	6.82E-03	3.76E-04	2.00E-04	9.26E-03	1.84E-03	2.95E-07	4.12E-06	5.86E-06	1.85E-03	2.24E-03	6.82E-03	3.76E-04	2.00E-04	9.63E-03
3025	479303.24	3850293.52	0.01173	0.0087	0.0019	0.00273	1.92E-03	6.75E-03	3.76E-04	2.01E-04	9.24E-03	1.89E-03	2.92E-07	4.12E-06	5.88E-06	1.90E-03	2.30E-03	6.75E-03	3.76E-04	2.01E-04	9.62E-03
3026	479353.24	3850293.52	0.01206	0.00858	0.0019	0.00274	1.97E-03	6.66E-03	3.74E-04	2.02E-04	9.20E-03	1.94E-03	2.88E-07	4.10E-06	5.90E-06	1.95E-03	2.36E-03	6.66E-03	3.74E-04	2.02E-04	9.59E-03
3027	479153.24	3850343.52	0.01079	0.00906	0.002	0.00272	1.76E-03	7.03E-03	3.80E-04	2.00E-04	9.37E-03	1.74E-03	3.04E-07	4.17E-06	5.86E-06	1.75E-03	2.11E-03	7.03E-03	3.80E-04	2.00E-04	9.72E-03
3028	479203.24	3850343.52	0.01124	0.00904	0.002	0.00272	1.84E-03	7.01E-03	3.80E-04	2.00E-04	9.43E-03	1.81E-03	3.04E-07	4.17E-06	5.86E-06	1.82E-03	2.20E-03	7.01E-03	3.80E-04	2.00E-04	9.79E-03
3029	479253.24	3850343.52	0.01129	0.00897	0.002	0.00273	1.85E-03	6.96E-03	3.78E-04	2.01E-04	9.38E-03	1.82E-03	3.01E-07	4.15E-06	5.88E-06	1.83E-03	2.21E-03	6.96E-03	3.78E-04	2.01E-04	9.75E-03
3030	479303.24	3850343.52	0.01155	0.00888	0.002	0.00274	1.89E-03	6.89E-03	3.78E-04	2.02E-04	9.36E-03	1.86E-03	2.98E-07	4.15E-06	5.90E-06	1.87E-03	2.26E-03	6.89E-03	3.78E-04	2.02E-04	9.73E-03
3031	479353.24	3850343.52	0.01185	0.00877	0.002	0.00275	1.94E-03	6.80E-03	3.78E-04	2.02E-04	9.32E-03	1.91E-03	2.95E-07	4.15E-06	5.92E-06	1.92E-03	2.32E-03	6.80E-03	3.78E-04	2.02E-04	9.70E-03
3032	479203.24	3850393.52	0.01113	0.00923	0.002	0.00273	1.82E-03	7.16E-03	3.82E-04	2.01E-04	9.56E-03	1.79E-03	3.10E-07	4.19E-06	5.88E-06	1.80E-03	2.18E-03	7.16E-03	3.82E-04	2.01E-04	9.92E-03
3033	479253.24	3850393.52	0.01136	0.00916	0.002	0.00274	1.86E-03	7.11E-03	3.82E-04	2.02E-04	9.55E-03	1.83E-03	3.08E-07	4.19E-06	5.90E-06	1.84E-03	2.22E-03	7.11E-03	3.82E-04	2.02E-04	9.91E-03
3034	479303.24	3850393.52	0.01162	0.00908	0.002	0.00275	1.90E-03	7.04E-03	3.82E-04	2.02E-04	9.53E-03	1.87E-03	3.05E-07	4.19E-06	5.92E-06	1.88E-03	2.27E-03	7.04E-03	3.82E-04	2.02E-04	9.90E-03
3035	479353.24	3850393.52	0.01169	0.00897	0.002	0.00276	1.91E-03	6.96E-03	3.80E-04	2.03E-04	9.45E-03	1.88E-03	3.01E-07	4.17E-06	5.94E-06	1.89E-03	2.29E-03	6.96E-03	3.80E-04	2.03E-04	9.83E-03
3036	479403.24	3850393.52	0.01199	0.00886	0.002	0.00277	1.96E-03	6.87E-03	3.80E-04	2.04E-04	9.42E-03	1.93E-03	2.98E-07	4.17E-06	5.96E-06	1.94E-03	2.35E-03	6.87E-03	3.80E-04	2.04E-04	9.80E-03
3037	479453.24	3850393.52	0.01231	0.0087	0.002	0.00278	2.01E-03	6.75E-03	3.80E-04	2.05E-04	9.35E-03	1.98E-03	2.92E-07	4.17E-06	5.98E-06	1.99E-03	2.41E-03	6.75E-03	3.80E-04	2.05E-04	9.74E-03
3038	479503.24	3850393.52	0.01266	0.00852	0.002	0.00279	2.07E-03	6.61E-03	3.78E-04	2.05E-04	9.26E-03	2.04E-03	2.86E-07	4.15E-06	6.01E-06	2.05E-03	2.48E-03	6.61E-03	3.78E-04	2.05E-04	9.67E-03
3039	479303.24	3850443.52	0.01149	0.00925	0.002	0.00276	1.88E-03	7.18E-03	3.84E-04	2.03E-04	9.64E-03	1.85E-03	3.11E-07	4.21E-06	5.94E-06	1.86E-03	2.25E-03	7.18E-03	3.84E-04	2.03E-04	1.00E-02
3040	479353.24	3850443.52	0.01154	0.00913	0.002	0.00277	1.89E-03	7.08E-03	3.84E-04	2.04E-04	9.56E-03	1.86E-03	3.07E-07	4.21E-06	5.96E-06	1.87E-03	2.26E-03	7.08E-03	3.84E-04	2.04E-04	9.93E-03
3041	479403.24	3850443.52	0.01178	0.00899	0.002	0.00278	1.93E-03	6.97E-03	3.82E-04	2.05E-04	9.49E-03	1.90E-03	3.02E-07	4.19E-06	5.98E-06	1.91E-03	2.31E-03	6.97E-03	3.82E-04	2.05E-04	9.87E-03
3042	479453.24	3850443.52	0.01207	0.00884	0.002	0.00279	1.97E-03	6.86E-03	3.82E-04	2.05E-04	9.42E-03	1.94E-03	2.97E-07	4.19E-06	6.01E-06	1.96E-03	2.36E-03	6.86E-03	3.82E-04	2.05E-04	9.81E-03
3043	479503.24	3850443.52	0.01239	0.00867	0.002	0.00281	2.03E-03	6.73E-03	3.82E-04	2.07E-04	9.34E-03	2.00E-03	2.91E-07	4.19E-06	6.05E-06	2.01E-03	2.42E-03	6.73E-03	3.82E-04	2.07E-04	9.74E-03
3044	480327.18	3850987.04	0.0169	0.01004	0.0021	0.00307	2.76E-03	7.79E-03	4.05E-04	2.26E-04	1.12E-02	2.72E-03	3.37E-07	4.44E-06	6.61E-06	2.73E-03	3.31E-03	7.79E-03	4.05E-04	2.26E-04	1.17E-02
3045	480377.18	3850987.04	0.01738	0.00994	0.0021	0.00308	2.84E-03	7.71E-03	4.05E-04	2.27E-04	1.12E-02	2.80E-03	3.34E-07	4.44E-06	6.63E-06	2.81E-03	3.40E-03	7.71E-03	4.05E-04	2.27E-04	1.17E-02
3046	480427.18	3850987.04	0.01783	0.00981	0.0021	0.0031	2.92E-03	7.61E-03	4.05E-04	2.28E-04	1.12E-02	2.87E-03	3.30E-07	4.44E-06	6.67E-06	2.88E-03	3.49E-03	7.61E-03	4.05E-04	2.28E-04	1.17E-02

3047	480477.18	3850987.04	0.01824	0.00967	0.0021	0.00312	2.98E-03	7.50E-03	4.03E-04	2.30E-04	1.11E-02	2.94E-03	3.25E-07	4.42E-06	6.72E-06	2.95E-03	3.57E-03	7.50E-03	4.03E-04	2.30E-04	1.17E-02
3048	480327.18	3851037.04	0.01657	0.01028	0.0021	0.00308	2.71E-03	7.97E-03	4.09E-04	2.27E-04	1.13E-02	2.67E-03	3.45E-07	4.49E-06	6.63E-06	2.68E-03	3.24E-03	7.97E-03	4.09E-04	2.27E-04	1.19E-02
3049	480377.18	3851037.04	0.01709	0.01017	0.0021	0.0031	2.80E-03	7.89E-03	4.09E-04	2.28E-04	1.13E-02	2.75E-03	3.42E-07	4.49E-06	6.67E-06	2.77E-03	3.34E-03	7.89E-03	4.09E-04	2.28E-04	1.19E-02
3050	480427.18	3851037.04	0.01759	0.01005	0.0021	0.00311	2.88E-03	7.80E-03	4.07E-04	2.29E-04	1.13E-02	2.83E-03	3.38E-07	4.46E-06	6.70E-06	2.85E-03	3.44E-03	7.80E-03	4.07E-04	2.29E-04	1.19E-02
3051	480477.18	3851037.04	0.01805	0.00995	0.0021	0.00313	2.95E-03	7.72E-03	4.07E-04	2.30E-04	1.13E-02	2.91E-03	3.34E-07	4.46E-06	6.74E-06	2.92E-03	3.53E-03	7.72E-03	4.07E-04	2.30E-04	1.19E-02
3052	480622.06	3851087.39	0.01907	0.00995	0.0021	0.00319	3.12E-03	7.72E-03	4.09E-04	2.35E-04	1.15E-02	3.07E-03	3.34E-07	4.49E-06	6.87E-06	3.08E-03	3.73E-03	7.72E-03	4.09E-04	2.35E-04	1.21E-02
3053	480672.06	3851087.39	0.01949	0.00989	0.0021	0.00321	3.19E-03	7.67E-03	4.09E-04	2.36E-04	1.15E-02	3.14E-03	3.32E-07	4.49E-06	6.91E-06	3.15E-03	3.81E-03	7.67E-03	4.09E-04	2.36E-04	1.21E-02
3054	480622.06	3851137.39	0.01889	0.01024	0.0021	0.0032	3.09E-03	7.94E-03	4.13E-04	2.36E-04	1.17E-02	3.04E-03	3.44E-07	4.53E-06	6.89E-06	3.06E-03	3.70E-03	7.94E-03	4.13E-04	2.36E-04	1.23E-02
3055	480672.06	3851137.39	0.01931	0.01016	0.0021	0.00322	3.16E-03	7.88E-03	4.13E-04	2.37E-04	1.17E-02	3.11E-03	3.41E-07	4.53E-06	6.93E-06	3.12E-03	3.78E-03	7.88E-03	4.13E-04	2.37E-04	1.23E-02
3056	480722.06	3851137.39	0.01973	0.0101	0.0021	0.00323	3.23E-03	7.83E-03	4.11E-04	2.38E-04	1.17E-02	3.18E-03	3.39E-07	4.51E-06	6.95E-06	3.19E-03	3.86E-03	7.84E-03	4.11E-04	2.38E-04	1.23E-02
3057	480622.06	3851187.39	0.01863	0.01051	0.0022	0.00321	3.05E-03	8.15E-03	4.17E-04	2.36E-04	1.19E-02	3.00E-03	3.53E-07	4.57E-06	6.91E-06	3.01E-03	3.65E-03	8.15E-03	4.17E-04	2.36E-04	1.25E-02
3058	480672.06	3851187.39	0.0191	0.01045	0.0021	0.00323	3.12E-03	8.11E-03	4.15E-04	2.38E-04	1.19E-02	3.08E-03	3.51E-07	4.55E-06	6.95E-06	3.09E-03	3.74E-03	8.11E-03	4.15E-04	2.38E-04	1.25E-02
3059	480722.06	3851187.39	0.01954	0.0104	0.0021	0.00324	3.20E-03	8.07E-03	4.15E-04	2.39E-04	1.19E-02	3.15E-03	3.49E-07	4.55E-06	6.97E-06	3.16E-03	3.82E-03	8.07E-03	4.15E-04	2.39E-04	1.25E-02
3060	471363.09	3845877.25	0.00318	0.00175	0.0012	0.00163	5.20E-04	1.36E-03	2.23E-04	1.20E-04	2.22E-03	5.12E-04	5.88E-08	2.45E-06	3.51E-06	5.18E-04	6.22E-04	1.36E-03	2.23E-04	1.20E-04	2.32E-03
3061	471863.09	3845877.25	0.00304	0.00168	0.0012	0.00162	4.97E-04	1.30E-03	2.29E-04	1.19E-04	2.15E-03	4.90E-04	5.64E-08	2.51E-06	3.49E-06	4.96E-04	5.95E-04	1.30E-03	2.29E-04	1.19E-04	2.25E-03
3062	472363.09	3845877.25	0.00326	0.00186	0.0013	0.00161	5.33E-04	1.44E-03	2.42E-04	1.19E-04	2.34E-03	5.25E-04	6.25E-08	2.66E-06	3.47E-06	5.31E-04	6.38E-04	1.44E-03	2.42E-04	1.19E-04	2.44E-03
3063	472863.09	3845877.25	0.0028	0.00172	0.0013	0.00157	4.58E-04	1.33E-03	2.42E-04	1.16E-04	2.15E-03	4.51E-04	5.78E-08	2.66E-06	3.38E-06	4.57E-04	5.48E-04	1.33E-03	2.42E-04	1.16E-04	2.24E-03
3064	473363.09	3845877.25	0.00264	0.00194	0.0013	0.00155	4.32E-04	1.50E-03	2.46E-04	1.14E-04	2.30E-03	4.25E-04	6.52E-08	2.70E-06	3.34E-06	4.31E-04	5.17E-04	1.50E-03	2.46E-04	1.14E-04	2.38E-03
3065	473863.09	3845877.25	0.0028	0.00216	0.0013	0.00154	4.58E-04	1.68E-03	2.46E-04	1.13E-04	2.49E-03	4.51E-04	7.26E-08	2.70E-06	3.32E-06	4.57E-04	5.48E-04	1.68E-03	2.46E-04	1.13E-04	2.58E-03
3066	474363.09	3845877.25	0.00321	0.00246	0.0013	0.00156	5.25E-04	1.91E-03	2.44E-04	1.15E-04	2.79E-03	5.17E-04	8.26E-08	2.68E-06	3.36E-06	5.23E-04	6.28E-04	1.91E-03	2.44E-04	1.15E-04	2.90E-03
3067	474863.09	3845877.25	0.00388	0.00263	0.0013	0.00162	6.35E-04	2.04E-03	2.42E-04	1.19E-04	3.04E-03	6.25E-04	8.83E-08	2.66E-06	3.49E-06	6.31E-04	7.59E-04	2.04E-03	2.42E-04	1.19E-04	3.16E-03
3068	475363.09	3845877.25	0.00547	0.00267	0.0013	0.00171	8.95E-04	2.07E-03	2.42E-04	1.26E-04	3.33E-03	8.81E-04	8.97E-08	2.66E-06	3.68E-06	8.88E-04	1.07E-03	2.07E-03	2.42E-04	1.26E-04	3.51E-03
3069	475863.09	3845877.25	0.00569	0.00255	0.0013	0.00174	9.31E-04	1.98E-03	2.42E-04	1.28E-04	3.28E-03	9.17E-04	8.57E-08	2.66E-06	3.75E-06	9.23E-04	1.11E-03	1.98E-03	2.42E-04	1.28E-04	3.46E-03
3070	476363.09	3845877.25	0.00526	0.00226	0.0013	0.00172	8.60E-04	1.75E-03	2.52E-04	1.27E-04	2.99E-03	8.48E-04	7.59E-08	2.76E-06	3.70E-06	8.54E-04	1.03E-03	1.75E-03	2.52E-04	1.27E-04	3.16E-03
3071	476863.09	3845877.25	0.00499	0.00201	0.0014	0.00171	8.16E-04	1.56E-03	2.77E-04	1.26E-04	2.78E-03	8.04E-04	6.75E-08	3.04E-06	3.68E-06	8.11E-04	9.76E-04	1.56E-03	2.77E-04	1.26E-04	2.94E-03
3072	477363.09	3845877.25	0.00364	0.00194	0.0016	0.00171	5.95E-04	1.50E-03	3.18E-04	1.26E-04	2.54E-03	5.87E-04	6.52E-08	3.49E-06	3.68E-06	5.94E-04	7.12E-04	1.50E-03	3.18E-04	1.26E-04	2.66E-03
3073	477863.09	3845877.25	0.00314	0.00181	0.0017	0.00171	5.14E-04	1.40E-03	3.34E-04	1.26E-04	2.38E-03	5.06E-04	6.08E-08	3.66E-06	3.68E-06	5.13E-04	6.14E-04	1.40E-03	3.34E-04	1.26E-04	2.48E-03
3074	478363.09	3845877.25	0.00338	0.00174	0.0017	0.00172	5.53E-04	1.35E-03	3.22E-04	1.27E-04	2.35E-03	5.45E-04	5.84E-08	3.53E-06	3.70E-06	5.52E-04	6.61E-04	1.35E-03	3.22E-04	1.27E-04	2.46E-03
3075	478863.09	3845877.25	0.00294	0.00161	0.0016	0.00174	4.81E-04	1.25E-03	3.01E-04	1.28E-04	2.16E-03	4.74E-04	5.41E-08	3.30E-06	3.75E-06	4.81E-04	5.75E-04	1.25E-03	3.01E-04	1.28E-04	2.25E-03
3076	479363.09	3845877.25	0.0028	0.00158	0.0015	0.00178	4.58E-04	1.23E-03	2.93E-04	1.31E-04	2.11E-03	4.51E-04	5.31E-08	3.21E-06	3.83E-06	4.58E-04	5.48E-04	1.23E-03	2.93E-04	1.31E-04	2.20E-03
3077	479863.09	3845877.25	0.00283	0.00155	0.0015	0.00184	4.63E-04	1.20E-03	2.87E-04	1.35E-04	2.09E-03	4.56E-04	5.21E-08	3.15E-06	3.96E-06	4.63E-04	5.54E-04	1.20E-03	2.87E-04	1.35E-04	2.18E-03
3078	480363.09	3845877.25	0.00249	0.00146	0.0015	0.00191	4.07E-04	1.13E-03	2.83E-04	1.41E-04	1.96E-03	4.01E-04	4.90E-08	3.10E-06	4.11E-06	4.08E-04	4.87E-04	1.13E-03	2.83E-04	1.41E-04	2.04E-03
3079	480863.09	3845877.25	0.00216	0.00134	0.0015	0.00196	3.53E-04	1.04E-03	2.85E-04	1.44E-04	1.82E-03	3.48E-04	4.50E-08	3.13E-06	4.22E-06	3.55E-04	4.23E-04	1.04E-03	2.85E-04	1.44E-04	1.89E-03
3080	481363.09	3845877.25	0.00188	0.00127	0.0016	0.00196	3.07E-04	9.85E-04	3.01E-04	1.44E-04	1.74E-03	3.03E-04	4.27E-08	3.30E-06	4.22E-06	3.10E-04	3.68E-04	9.85E-04	3.01E-04	1.44E-04	1.80E-03
3081	481863.09	3845877.25	0.00175	0.00121	0.0017	0.00193	2.86E-04	9.39E-04	3.20E-04	1.42E-04	1.69E-03	2.82E-04	4.06E-08	3.51E-06	4.15E-06	2.90E-04	3.42E-04	9.39E-04	3.20E-04	1.42E-04	1.74E-03
3082	482363.09	3845877.25	0.00167	0.00115	0.0018	0.00189	2.73E-04	8.92E-04	3.41E-04	1.39E-04	1.65E-03	2.69E-04	3.86E-08	3.74E-06	4.07E-06	2.77E-04	3.27E-04	8.92E-04	3.41E-04	1.39E-04	1.70E-03
3083	482863.09	3845877.25	0.00134	0.00103	0.0018	0.00186	2.19E-04	7.99E-04	3.57E-04	1.37E-04	1.51E-03	2.16E-04	3.46E-08	3.91E-06	4.00E-06	2.24E-04	2.62E-04	7.99E-04	3.57E-04	1.37E-04	1.55E-03
3084	483363.09	3845877.25	0.00122	0.00095	0.002	0.00182	2.00E-04	7.37E-04	3.80E-04	1.34E-04	1.45E-03	1.97E-04	3.19E-08	4.17E-06	3.92E-06	2.05E-04	2.39E-04	7.37E-04	3.80E-04	1.34E-04	1.49E-03
3085	483863.09	3845877.25	0.0014	0.00102	0.0022	0.0019	2.29E-04	7.91E-04	4.23E-04	1.40E-04	1.58E-03	2.26E-04	3.43E-08	4.64E-06	4.09E-06	2.34E-04	2.74E-04	7.91E-04	4.23E-04	1.40E-04	1.63E-03
3086	484363.09	3845877.25	0.00137	0.001	0.0023	0.00191	2.24E-04	7.76E-04	4.50E-04	1.41E-04	1.59E-03	2.21E-04	3.36E-08	4.93E-06	4.11E-06	2.30E-04	2.68E-04	7.76E-04	4.50E-04	1.41E-04	1.63E-03
3087	484863.09	3845877.25	0.00133	0.00097	0.0022	0.00188	2.18E-04	7.52E-04	4.34E-04	1.38E-04	1.54E-03	2.14E-04	3.26E-08	4.76E-06	4.05E-06	2.23E-04	2.60E-04	7.52E-04	4.34E-04	1.38E-04	1.59E-03
3088	485363.09	3845877.25	0.00126	0.00093	0.002	0.00185	2.06E-04	7.21E-04	3.96E-04	1.36E-04	1.46E-03	2.03E-04	3.12E-08	4.34E-06	3.98E-06	2.11E-04	2.47E-04	7.21E-04	3.96E-04	1.36E-04	1.50E-03
3089	485863.09	3845877.25	0.0012	0.00093	0.0018	0.00182	1.96E-04	7.21E-04	3.49E-04	1.34E-04	1.40E-03	1.93E-04	3.12E-08	3.83E-06	3.92E-06	2.01E-04	2.35E-04	7.21E-04	3.49E-04	1.34E-04	1.44E-03
3090	486363.09	3845877.25	0.00117	0.00093	0.0016	0.0018	1.91E-04	7.21E-04	3.16E-04	1.33E-04	1.36E-03	1.89E-04	3.12E-08	3.47E-06	3.87E-06	1.96E-04	2.29E-04	7.21E-04	3.16E-04	1.33E-04	1.40E-03
3091	486863.09	3845877.25	0.00106	0.00089	0.0015	0.00177	1.73E-04	6.90E-04	2.87E-04	1.30E-04	1.28E-03	1.71E-04	2.99E-08	3.15E-06	3.81E-06	1.78E-04	2.07E-04	6.90E-04	2.87E-04	1.30E-04	1.32E-03
3092	487363.09	3845877.25	0.00104	0.00086	0.0014	0.00177	1.70E-04	6.67E-04	2.66E-04	1.30E-04	1.23E-03	1.68E-04	2.89E-08	2.91E-06	3.81E-06	1.74E-04	2.04E-04	6.67E-04	2.66E-04	1.30E-04	1.27E-03
3093	487863.09	3845877.25	0.00099	0.00081	0.0013	0.00176	1.62E-04	6.28E-04	2.60E-04	1.30E-04	1.18E-03	1.60E-04	2.72E-08	2.85E-06	3.79E-06	1.66E-04	1.94E-04	6.28E-04	2.60E-04	1.30E-04	1.21E-03
3094	488363.09	3845877.25	0.00098	0.0008	0.0014	0.00176	1.60E-04	6.21E-04	2.64E-04	1.30E-04	1.17E-03	1.58E-04	2.69E-08	2.89E-06	3.79E-06	1.65E-04	1.92E-04	6.21E-04	2.64E-04	1.30E-04	1.21E-03
3095	488863.09	3845877.25	0.00105	0.00085	0.0017	0.00183	1.72E-04	6.59E-04	3.32E-04	1.35E-04	1.30E-03	1.69E-04	2.86E-08	3.64E-06	3.94E-06	1.77E-04	2.05E-04	6.59E-04	3.32E-04	1.35E-04	1.33E-03
3096	489363.09	3845877.25	0.00106	0.00083	0.0018	0.00184	1.73E-04	6.44E-04	3.47E-04	1.35E-04	1.30E-03	1.71E-04	2.79E-08	3.81E-06	3.96E-06	1.79E-04	2.07E-04	6.44E-04	3.47E-04	1.35E-04	1.33E-03
3097	489863.09	3845877.25	0.00104	0.00082	0.0018	0.00184	1.70E-04	6.36E-04	3.57E-04	1.35E-04	1.30E-03	1.68E-04	2.75E-08	3.91E-06	3.96E-06	1.75E-04	2.04E-04	6.36E-04	3.57E-04	1.35E-04	1.33E-03
3098	490363.09	3845877.25	0.00098	0.00081	0.0016	0.00181	1.60E-04	6.28E-04	3.14E-04	1.33E-04	1.24E-03	1.58E-04	2.72E-08	3.44E-06	3.90E-06	1.65E-04	1.92E-04	6.28E-04	3.14E-04	1.33E-04	1.27E-03
3099	490863.09	3845877.25	0.00091	0.00076	0.0015	0.00174	1.49E-04	5.90E-04	2.85E-04	1.28E-04	1.15E-03	1.47E-04	2.55E-08	3.13E-06	3.75E-06	1.54E-04	1.78E-04	5.90E-04	2.85E-04	1.28E-04	1.18E-03
3100	491363.09	3845877.25	0.00096	0.00081	0.0015	0.00182	1.57E-04	6.28E-04	2.99E-04	1.34E-04	1.22E-03	1.55E-04	2.72E-08	3.27E-06	3.92E-06	1.62E-04	1.88E-04	6.28E-04	2.99E-04	1.34E-04	1.25E-03
3101	491863.09	3845877.25	0.00103	0.00085	0.0016	0.0019	1.68E-04	6.59E-04	3.16E-04	1.40E-04	1.28E-03	1.66E-04	2.86E-08	3.47E-06	4.09E-06	1.74E-04	2.02E-04	6.59E-04	3.16E-04	1.40E-04	1.32E-03
3102	492363.09	3845877.25	0.00102	0.00083	0.0016	0.00189	1.67E-04	6.44E-04	3.01E-04	1.39E-04	1.25E-03	1.64E-04	2.79E-08	3.30E-06	4.07E-06	1.72E-04	2.00E-04	6.44E-04	3.01E-04	1.39E-04	1.28E-03
3103	492863.09	3845877.25	0.00117	0.00092	0.0017	0.00204	1.91E-04	7.14E-04	3.28E-04	1.50E-04	1.38E-03	1.89E-04	3.09E-08	3.59E-06	4.39E-06	1.97E-04	2.29E-04	7.14E-04	3.28E-04	1.50E-04	1.42E-03
3104	493363.09	3845877.25	0.00124	0.00096	0.0017	0.00212	2.03E-04	7.45E-04	3.26E-04	1.56E-04	1.43E-03	2.00E-04	3.22E-08	3.57E-06	4.56E-06	2.08E-04	2.43E-04	7.45E-04	3.26E-04	1.56E-04	1.47E-03
3105	493863.09	3845877.25	0.00133	0.00099	0.0016	0.00221	2.18E-04	7.68E-04	3.16E-04	1.63E-04	1.46E-03	2.14E-04	3.33E-08	3.47E-06	4.76E-06	2.23E-04	2.60E-04	7.68E-04	3.16E-04	1.63E-04	1.51E-03
3106	494363.09	3845877.25	0.00144	0.00101	0.0016	0.00226	2.36E-04	7.83E-04	3.08E-04	1.66E-04	1.49E-03	2.32E-04	3.39E-08	3.38E-06	4.87E-06	2.40E-04	2.82E-04	7.84E-04	3.08E-04	1.66E-04	1.54E-03
3107	494863.09	3845877.25	0.00149	0.00104	0.0016	0.00232	2.44E-04	8.07E-04	3.14E-04	1.71E-04	1.54E-03	2.40E-04	3.49E-08	3.44E-06	4.99E-06	2.49E-04	2.92E-04	8.07E-04	3.14E-04	1.71E-04	1.58E-03

3108	495363.09	3845877.25	0.0016	0.00109	0.0017	0.00237	2.62E-04	8.46E-04	3.26E-04	1.74E-04	1.61E-03	2.58E-04	3.66E-08	3.57E-06	5.10E-06	2.67E-04	3.13E-04	8.46E-04	3.26E-04	1.74E-04	1.66E-03
3109	495863.09	3845877.25	0.00168	0.00116	0.0017	0.00243	2.75E-04	9.00E-04	3.30E-04	1.79E-04	1.68E-03	2.71E-04	3.90E-08	3.61E-06	5.23E-06	2.80E-04	3.29E-04	9.00E-04	3.30E-04	1.79E-04	1.74E-03
3110	496363.09	3845877.25	0.00175	0.00122	0.0018	0.0025	2.86E-04	9.46E-04	3.41E-04	1.84E-04	1.76E-03	2.82E-04	4.10E-08	3.74E-06	5.38E-06	2.91E-04	3.42E-04	9.46E-04	3.41E-04	1.84E-04	1.81E-03
3111	496863.09	3845877.25	0.00181	0.00129	0.0019	0.00256	2.96E-04	1.00E-03	3.68E-04	1.88E-04	1.85E-03	2.92E-04	4.33E-08	4.04E-06	5.51E-06	3.01E-04	3.54E-04	1.00E-03	3.68E-04	1.88E-04	1.91E-03
3112	497363.09	3845877.25	0.0019	0.00135	0.0021	0.00263	3.11E-04	1.05E-03	4.07E-04	1.94E-04	1.96E-03	3.06E-04	4.53E-08	4.46E-06	5.66E-06	3.16E-04	3.72E-04	1.05E-03	4.07E-04	1.94E-04	2.02E-03
3113	497863.09	3845877.25	0.00201	0.00141	0.0023	0.00271	3.29E-04	1.09E-03	4.50E-04	2.00E-04	2.07E-03	3.24E-04	4.74E-08	4.93E-06	5.83E-06	3.35E-04	3.93E-04	1.09E-03	4.50E-04	2.00E-04	2.14E-03
3114	498363.09	3845877.25	0.00213	0.00147	0.0025	0.0028	3.48E-04	1.14E-03	4.91E-04	2.06E-04	2.19E-03	3.43E-04	4.94E-08	5.38E-06	6.03E-06	3.55E-04	4.17E-04	1.14E-03	4.91E-04	2.06E-04	2.25E-03
3115	471363.09	3846377.25	0.00449	0.00287	0.0013	0.00175	7.34E-04	2.23E-03	2.46E-04	1.29E-04	3.34E-03	7.23E-04	9.64E-08	2.70E-06	3.77E-06	7.30E-04	8.79E-04	2.23E-03	2.46E-04	1.29E-04	3.48E-03
3116	471863.09	3846377.25	0.00427	0.00245	0.0013	0.00174	6.98E-04	1.90E-03	2.46E-04	1.28E-04	2.97E-03	6.88E-04	8.23E-08	2.70E-06	3.75E-06	6.95E-04	8.36E-04	1.90E-03	2.46E-04	1.28E-04	3.11E-03
3117	472363.09	3846377.25	0.0033	0.00178	0.0012	0.00169	5.40E-04	1.38E-03	2.37E-04	1.24E-04	2.28E-03	5.32E-04	5.98E-08	2.59E-06	3.64E-06	5.38E-04	6.46E-04	1.38E-03	2.37E-04	1.24E-04	2.39E-03
3118	472863.09	3846377.25	0.00329	0.00184	0.0013	0.00167	5.38E-04	1.43E-03	2.44E-04	1.23E-04	2.33E-03	5.30E-04	6.18E-08	2.68E-06	3.60E-06	5.36E-04	6.44E-04	1.43E-03	2.44E-04	1.23E-04	2.44E-03
3119	473363.09	3846377.25	0.00329	0.00196	0.0013	0.00165	5.38E-04	1.52E-03	2.54E-04	1.21E-04	2.43E-03	5.30E-04	6.58E-08	2.79E-06	3.55E-06	5.37E-04	6.44E-04	1.52E-03	2.54E-04	1.21E-04	2.54E-03
3120	473863.09	3846377.25	0.00319	0.00234	0.0013	0.00163	5.22E-04	1.82E-03	2.60E-04	1.20E-04	2.72E-03	5.14E-04	7.86E-08	2.85E-06	3.51E-06	5.20E-04	6.24E-04	1.82E-03	2.60E-04	1.20E-04	2.82E-03
3121	474363.09	3846377.25	0.0033	0.00265	0.0013	0.00163	5.40E-04	2.06E-03	2.60E-04	1.20E-04	2.98E-03	5.32E-04	8.90E-08	2.85E-06	3.51E-06	5.38E-04	6.46E-04	2.06E-03	2.60E-04	1.20E-04	3.08E-03
3122	474863.09	3846377.25	0.00376	0.00295	0.0013	0.00166	6.15E-04	2.29E-03	2.60E-04	1.22E-04	3.29E-03	6.06E-04	9.91E-08	2.85E-06	3.57E-06	6.12E-04	7.36E-04	2.29E-03	2.60E-04	1.22E-04	3.41E-03
3123	475363.09	3846377.25	0.00448	0.00301	0.0013	0.00173	7.33E-04	2.33E-03	2.56E-04	1.27E-04	3.45E-03	7.22E-04	1.01E-07	2.81E-06	3.72E-06	7.29E-04	8.77E-04	2.33E-03	2.56E-04	1.27E-04	3.59E-03
3124	475863.09	3846377.25	0.00623	0.00302	0.0013	0.00183	1.02E-03	2.34E-03	2.54E-04	1.35E-04	3.75E-03	1.00E-03	1.01E-07	2.79E-06	3.94E-06	1.01E-03	1.22E-03	2.34E-03	2.54E-04	1.35E-04	3.95E-03
3125	476363.09	3846377.25	0.00625	0.00274	0.0013	0.00182	1.02E-03	2.13E-03	2.54E-04	1.34E-04	3.54E-03	1.01E-03	9.20E-08	2.79E-06	3.92E-06	1.01E-03	1.22E-03	2.13E-03	2.54E-04	1.34E-04	3.74E-03
3126	476863.09	3846377.25	0.00582	0.00239	0.0014	0.0018	9.52E-04	1.85E-03	2.66E-04	1.33E-04	3.20E-03	9.38E-04	8.03E-08	2.91E-06	3.87E-06	9.45E-04	1.14E-03	1.85E-03	2.66E-04	1.33E-04	3.39E-03
3127	477363.09	3846377.25	0.0054	0.00219	0.0015	0.0018	8.83E-04	1.70E-03	2.99E-04	1.33E-04	3.01E-03	8.70E-04	7.36E-08	3.27E-06	3.87E-06	8.77E-04	1.06E-03	1.70E-03	2.99E-04	1.33E-04	3.19E-03
3128	477863.09	3846377.25	0.00378	0.00206	0.0018	0.00181	6.18E-04	1.60E-03	3.39E-04	1.33E-04	2.69E-03	6.09E-04	6.92E-08	3.72E-06	3.90E-06	6.17E-04	7.40E-04	1.60E-03	3.39E-04	1.33E-04	2.81E-03
3129	478363.09	3846377.25	0.00359	0.00196	0.0018	0.00183	5.87E-04	1.52E-03	3.57E-04	1.35E-04	2.60E-03	5.78E-04	6.58E-08	3.91E-06	3.94E-06	5.86E-04	7.02E-04	1.52E-03	3.57E-04	1.35E-04	2.71E-03
3130	478863.09	3846377.25	0.00378	0.00188	0.0018	0.00183	6.18E-04	1.46E-03	3.43E-04	1.35E-04	2.55E-03	6.09E-04	6.32E-08	3.76E-06	3.94E-06	6.17E-04	7.40E-04	1.46E-03	3.43E-04	1.35E-04	2.68E-03
3131	479363.09	3846377.25	0.00331	0.00177	0.0016	0.00185	5.41E-04	1.37E-03	3.16E-04	1.36E-04	2.37E-03	5.33E-04	5.95E-08	3.47E-06	3.98E-06	5.41E-04	6.48E-04	1.37E-03	3.16E-04	1.36E-04	2.47E-03
3132	479863.09	3846377.25	0.00306	0.00167	0.0016	0.0019	5.00E-04	1.30E-03	3.04E-04	1.40E-04	2.24E-03	4.93E-04	5.61E-08	3.34E-06	4.09E-06	5.01E-04	5.99E-04	1.30E-03	3.04E-04	1.40E-04	2.34E-03
3133	480363.09	3846377.25	0.00319	0.0017	0.0016	0.00198	5.22E-04	1.32E-03	3.02E-04	1.46E-04	2.29E-03	5.14E-04	5.71E-08	3.32E-06	4.26E-06	5.22E-04	6.24E-04	1.32E-03	3.02E-04	1.46E-04	2.39E-03
3134	480863.09	3846377.25	0.00259	0.00152	0.0015	0.00204	4.24E-04	1.18E-03	2.99E-04	1.50E-04	2.05E-03	4.17E-04	5.11E-08	3.27E-06	4.39E-06	4.25E-04	5.07E-04	1.18E-03	2.99E-04	1.50E-04	2.13E-03
3135	481363.09	3846377.25	0.0023	0.00142	0.0016	0.00207	3.76E-04	1.10E-03	3.06E-04	1.52E-04	1.94E-03	3.71E-04	4.77E-08	3.36E-06	4.46E-06	3.78E-04	4.50E-04	1.10E-03	3.06E-04	1.52E-04	2.01E-03
3136	481863.09	3846377.25	0.00198	0.00135	0.0017	0.00203	3.24E-04	1.05E-03	3.24E-04	1.49E-04	1.84E-03	3.19E-04	4.53E-08	3.55E-06	4.37E-06	3.27E-04	3.87E-04	1.05E-03	3.24E-04	1.49E-04	1.91E-03
3137	482363.09	3846377.25	0.00186	0.00125	0.0018	0.00198	3.04E-04	9.70E-04	3.45E-04	1.46E-04	1.76E-03	3.00E-04	4.20E-08	3.78E-06	4.26E-06	3.08E-04	3.64E-04	9.70E-04	3.45E-04	1.46E-04	1.82E-03
3138	482863.09	3846377.25	0.00158	0.00114	0.0019	0.00196	2.58E-04	8.84E-04	3.65E-04	1.44E-04	1.65E-03	2.55E-04	3.83E-08	4.00E-06	4.22E-06	2.63E-04	3.09E-04	8.84E-04	3.65E-04	1.44E-04	1.70E-03
3139	483363.09	3846377.25	0.00162	0.00115	0.002	0.00197	2.65E-04	8.92E-04	3.94E-04	1.45E-04	1.70E-03	2.61E-04	3.86E-08	4.32E-06	4.24E-06	2.70E-04	3.17E-04	8.92E-04	3.94E-04	1.45E-04	1.75E-03
3140	483863.09	3846377.25	0.00159	0.00112	0.0022	0.00199	2.60E-04	8.69E-04	4.32E-04	1.47E-04	1.71E-03	2.56E-04	3.76E-08	4.74E-06	4.28E-06	2.65E-04	3.11E-04	8.69E-04	4.32E-04	1.47E-04	1.76E-03
3141	484363.09	3846377.25	0.00144	0.00105	0.0024	0.00199	2.36E-04	8.14E-04	4.58E-04	1.47E-04	1.65E-03	2.32E-04	3.53E-08	5.02E-06	4.28E-06	2.41E-04	2.82E-04	8.15E-04	4.58E-04	1.47E-04	1.70E-03
3142	484863.09	3846377.25	0.00153	0.00108	0.0024	0.002	2.50E-04	8.38E-04	4.71E-04	1.47E-04	1.71E-03	2.47E-04	3.63E-08	5.17E-06	4.31E-06	2.56E-04	2.99E-04	8.38E-04	4.71E-04	1.47E-04	1.76E-03
3143	485363.09	3846377.25	0.0015	0.00106	0.0023	0.00198	2.45E-04	8.22E-04	4.44E-04	1.46E-04	1.66E-03	2.42E-04	3.56E-08	4.87E-06	4.26E-06	2.51E-04	2.94E-04	8.22E-04	4.44E-04	1.46E-04	1.71E-03
3144	485863.09	3846377.25	0.00134	0.00101	0.002	0.00193	2.19E-04	7.83E-04	3.78E-04	1.42E-04	1.52E-03	2.16E-04	3.39E-08	4.15E-06	4.15E-06	2.24E-04	2.62E-04	7.84E-04	3.78E-04	1.42E-04	1.57E-03
3145	486363.09	3846377.25	0.00116	0.00095	0.0017	0.00187	1.90E-04	7.37E-04	3.30E-04	1.38E-04	1.39E-03	1.87E-04	3.19E-08	3.61E-06	4.03E-06	1.95E-04	2.27E-04	7.37E-04	3.30E-04	1.38E-04	1.43E-03
3146	486863.09	3846377.25	0.0011	0.00092	0.0015	0.00185	1.80E-04	7.14E-04	2.97E-04	1.36E-04	1.33E-03	1.77E-04	3.09E-08	3.25E-06	3.98E-06	1.85E-04	2.15E-04	7.14E-04	2.97E-04	1.36E-04	1.36E-03
3147	487363.09	3846377.25	0.00111	0.0009	0.0015	0.00187	1.82E-04	6.98E-04	2.81E-04	1.38E-04	1.30E-03	1.79E-04	3.02E-08	3.08E-06	4.03E-06	1.86E-04	2.17E-04	6.98E-04	2.81E-04	1.38E-04	1.33E-03
3148	487863.09	3846377.25	0.00119	0.00093	0.0015	0.00191	1.95E-04	7.21E-04	2.91E-04	1.41E-04	1.35E-03	1.92E-04	3.12E-08	3.19E-06	4.11E-06	1.99E-04	2.33E-04	7.21E-04	2.91E-04	1.41E-04	1.39E-03
3149	488363.09	3846377.25	0.00118	0.00092	0.0017	0.00193	1.93E-04	7.14E-04	3.20E-04	1.42E-04	1.37E-03	1.90E-04	3.09E-08	3.51E-06	4.15E-06	1.98E-04	2.31E-04	7.14E-04	3.20E-04	1.42E-04	1.41E-03
3150	488863.09	3846377.25	0.00114	0.00091	0.0019	0.00195	1.86E-04	7.06E-04	3.59E-04	1.44E-04	1.39E-03	1.84E-04	3.06E-08	3.93E-06	4.20E-06	1.92E-04	2.23E-04	7.06E-04	3.59E-04	1.44E-04	1.43E-03
3151	489363.09	3846377.25	0.00116	0.0009	0.002	0.00196	1.90E-04	6.98E-04	3.94E-04	1.44E-04	1.43E-03	1.87E-04	3.02E-08	4.32E-06	4.22E-06	1.95E-04	2.27E-04	6.98E-04	3.94E-04	1.44E-04	1.46E-03
3152	489863.09	3846377.25	0.00113	0.0009	0.0019	0.00195	1.85E-04	6.98E-04	3.76E-04	1.44E-04	1.40E-03	1.82E-04	3.02E-08	4.12E-06	4.20E-06	1.90E-04	2.21E-04	6.98E-04	3.76E-04	1.44E-04	1.44E-03
3153	490363.09	3846377.25	0.00103	0.00085	0.0017	0.00189	1.68E-04	6.59E-04	3.20E-04	1.39E-04	1.29E-03	1.66E-04	2.86E-08	3.51E-06	4.07E-06	1.74E-04	2.02E-04	6.59E-04	3.20E-04	1.39E-04	1.32E-03
3154	490863.09	3846377.25	0.001	0.00083	0.0016	0.00189	1.64E-04	6.44E-04	3.06E-04	1.39E-04	1.25E-03	1.61E-04	2.79E-08	3.36E-06	4.07E-06	1.69E-04	1.96E-04	6.44E-04	3.06E-04	1.39E-04	1.29E-03
3155	491363.09	3846377.25	0.00102	0.00085	0.0016	0.00192	1.67E-04	6.59E-04	3.08E-04	1.41E-04	1.28E-03	1.64E-04	2.86E-08	3.38E-06	4.13E-06	1.72E-04	2.00E-04	6.59E-04	3.08E-04	1.41E-04	1.31E-03
3156	491863.09	3846377.25	0.00116	0.00093	0.0018	0.00205	1.90E-04	7.21E-04	3.41E-04	1.51E-04	1.40E-03	1.87E-04	3.12E-08	3.74E-06	4.41E-06	1.95E-04	2.27E-04	7.21E-04	3.41E-04	1.51E-04	1.44E-03
3157	492363.09	3846377.25	0.0012	0.00095	0.0018	0.0021	1.96E-04	7.37E-04	3.41E-04	1.55E-04	1.43E-03	1.93E-04	3.19E-08	3.74E-06	4.52E-06	2.02E-04	2.35E-04	7.37E-04	3.41E-04	1.55E-04	1.47E-03
3158	492863.09	3846377.25	0.00125	0.00097	0.0017	0.00218	2.04E-04	7.52E-04	3.35E-04	1.61E-04	1.45E-03	2.01E-04	3.26E-08	3.68E-06	4.69E-06	2.10E-04	2.45E-04	7.52E-04	3.35E-04	1.61E-04	1.49E-03
3159	493363.09	3846377.25	0.00137	0.00103	0.0017	0.00229	2.24E-04	7.99E-04	3.35E-04	1.69E-04	1.53E-03	2.21E-04	3.46E-08	3.68E-06	4.93E-06	2.29E-04	2.68E-04	7.99E-04	3.35E-04	1.69E-04	1.57E-03
3160	493863.09	3846377.25	0.00148	0.00106	0.0017	0.00237	2.42E-04	8.22E-04	3.24E-04	1.74E-04	1.56E-03	2.38E-04	3.56E-08	3.55E-06	5.10E-06	2.47E-04	2.90E-04	8.22E-04	3.24E-04	1.74E-04	1.61E-03
3161	494363.09	3846377.25	0.00159	0.00109	0.0017	0.00243	2.60E-04	8.46E-04	3.24E-04	1.79E-04	1.61E-03	2.56E-04	3.66E-08	3.55E-06	5.23E-06	2.65E-04	3.11E-04	8.46E-04	3.24E-04	1.79E-04	1.66E-03
3162	494863.09	3846377.25	0.00169	0.00114	0.0017	0.00249	2.76E-04	8.84E-04	3.37E-04	1.83E-04	1.68E-03	2.72E-04	3.83E-08	3.70E-06	5.36E-06	2.81E-04	3.31E-04	8.84E-04	3.37E-04	1.83E-04	1.74E-03
3163	495363.09	3846377.25	0.00177	0.00121	0.0018	0.00255	2.90E-04	9.39E-04	3.41E-04	1.88E-04	1.76E-03	2.85E-04	4.06E-08	3.74E-06	5.49E-06	2.94E-04	3.46E-04	9.39E-04	3.41E-04	1.88E-04	1.81E-03
3164	495863.09	3846377.25	0.00185	0.00128	0.0018	0.00263	3.03E-04	9.93E-04	3.51E-04	1.94E-04	1.84E-03	2.98E-04	4.30E-08	3.85E-06	5.66E-06	3.08E-04	3.62E-04	9.93E-04	3.51E-04	1.94E-04	1.90E-03
3165	496363.09	3846377.25	0.00195	0.00136	0.0019	0.0027	3.19E-04	1.05E-03	3.76E-04	1.99E-04	1.95E-03	3.14E-04	4.57E-08	4.12E-06	5.81E-06	3.24E-04	3.82E-04	1.06E-03	3.76E-04	1.99E-04	2.01E-03
3166	496863.09	3846377.25	0.00207	0.00144	0.0021	0.00278	3.39E-04	1.12E-03	4.15E-04	2.05E-04	2.08E-03	3.34E-04	4.84E-08	4.55E-06	5.98E-06	3.44E-04	4.05E-04	1.12E-03	4.15E-04	2.05E-04	2.14E-03
3167	497363.09	3846377.25	0.00221	0.00152	0.0024	0.00286	3.61E-04	1.18E-03	4.65E-04	2.11E-04	2.22E-03	3.56E-04	5.11E-08	5.10E-06	6.16E-06	3.67E-04	4.32E-04	1.18E-03	4.65E-04	2.11E-04	2.29E-03
3168	497863.09	3846377.25	0.00234	0.0016	0.0027	0.00296	3.83E-04	1.24E-03	5.16E-04	2.18E-04	2.36E-03	3.77E-04	5.37E-08	5.66E-06	6.37E-06	3.89E-04	4.58E-04	1.24E-03	5.16E-04	2.18E-04	2.43E-03

3169	498363.09	3846377.25	0.00247	0.00168	0.0029	0.00306	4.04E-04	1.30E-03	5.53E-04	2.25E-04	2.49E-03	3.98E-04	5.64E-08	6.06E-06	6.59E-06	4.11E-04	4.83E-04	1.30E-03	5.53E-04	2.25E-04	2.56E-03
3170	471363.09	3846877.25	0.00506	0.00329	0.0013	0.00179	8.28E-04	2.55E-03	2.54E-04	1.32E-04	3.77E-03	8.15E-04	1.11E-07	2.79E-06	3.85E-06	8.22E-04	9.90E-04	2.55E-03	2.54E-04	1.32E-04	3.93E-03
3171	471863.09	3846877.25	0.00498	0.00319	0.0013	0.00182	8.15E-04	2.47E-03	2.54E-04	1.34E-04	3.68E-03	8.02E-04	1.07E-07	2.79E-06	3.92E-06	8.09E-04	9.74E-04	2.47E-03	2.54E-04	1.34E-04	3.84E-03
3172	472363.09	3846877.25	0.00479	0.00285	0.0013	0.00182	7.83E-04	2.21E-03	2.58E-04	1.34E-04	3.39E-03	7.72E-04	9.57E-08	2.83E-06	3.92E-06	7.79E-04	9.37E-04	2.21E-03	2.58E-04	1.34E-04	3.54E-03
3173	472863.09	3846877.25	0.00354	0.00188	0.0013	0.00177	5.79E-04	1.46E-03	2.42E-04	1.30E-04	2.41E-03	5.70E-04	6.32E-08	2.66E-06	3.81E-06	5.77E-04	6.93E-04	1.46E-03	2.42E-04	1.30E-04	2.52E-03
3174	473363.09	3846877.25	0.00378	0.00206	0.0013	0.00176	6.18E-04	1.60E-03	2.54E-04	1.30E-04	2.60E-03	6.09E-04	6.92E-08	2.79E-06	3.79E-06	6.16E-04	7.40E-04	1.60E-03	2.54E-04	1.30E-04	2.72E-03
3175	473863.09	3846877.25	0.00403	0.0024	0.0014	0.00174	6.59E-04	1.86E-03	2.68E-04	1.28E-04	2.92E-03	6.49E-04	8.06E-08	2.93E-06	3.75E-06	6.56E-04	7.89E-04	1.86E-03	2.68E-04	1.28E-04	3.05E-03
3176	474363.09	3846877.25	0.00375	0.0027	0.0014	0.00172	6.13E-04	2.09E-03	2.71E-04	1.27E-04	3.11E-03	6.04E-04	9.07E-08	2.98E-06	3.70E-06	6.11E-04	7.34E-04	2.09E-03	2.71E-04	1.27E-04	3.23E-03
3177	474863.09	3846877.25	0.00367	0.003	0.0014	0.00171	6.00E-04	2.33E-03	2.73E-04	1.26E-04	3.33E-03	5.91E-04	1.01E-07	3.00E-06	3.68E-06	5.98E-04	7.18E-04	2.33E-03	2.73E-04	1.26E-04	3.44E-03
3178	475363.09	3846877.25	0.004	0.00307	0.0014	0.00174	6.54E-04	2.38E-03	2.70E-04	1.28E-04	3.43E-03	6.45E-04	1.03E-07	2.96E-06	3.75E-06	6.51E-04	7.83E-04	2.38E-03	2.70E-04	1.28E-04	3.56E-03
3179	475863.09	3846877.25	0.00497	0.00331	0.0014	0.00184	8.13E-04	2.57E-03	2.68E-04	1.35E-04	3.78E-03	8.01E-04	1.11E-07	2.93E-06	3.96E-06	8.08E-04	9.73E-04	2.57E-03	2.68E-04	1.35E-04	3.94E-03
3180	476363.09	3846877.25	0.0068	0.00324	0.0014	0.00192	1.11E-03	2.51E-03	2.64E-04	1.41E-04	4.03E-03	1.10E-03	1.09E-07	2.89E-06	4.13E-06	1.10E-03	1.33E-03	2.51E-03	2.64E-04	1.41E-04	4.25E-03
3181	476863.09	3846877.25	0.00686	0.00296	0.0014	0.00191	1.12E-03	2.30E-03	2.66E-04	1.41E-04	3.82E-03	1.11E-03	9.94E-08	2.91E-06	4.11E-06	1.11E-03	1.34E-03	2.30E-03	2.66E-04	1.41E-04	4.04E-03
3182	477363.09	3846877.25	0.00651	0.00255	0.0014	0.0019	1.06E-03	1.98E-03	2.79E-04	1.40E-04	3.46E-03	1.05E-03	8.57E-08	3.06E-06	4.09E-06	1.06E-03	1.27E-03	1.98E-03	2.79E-04	1.40E-04	3.67E-03
3183	477863.09	3846877.25	0.00567	0.00235	0.0016	0.00191	9.27E-04	1.82E-03	3.18E-04	1.41E-04	3.21E-03	9.14E-04	7.89E-08	3.49E-06	4.11E-06	9.21E-04	1.11E-03	1.82E-03	3.18E-04	1.41E-04	3.39E-03
3184	478363.09	3846877.25	0.00414	0.00227	0.0019	0.00193	6.77E-04	1.76E-03	3.74E-04	1.42E-04	2.95E-03	6.67E-04	7.63E-08	4.10E-06	4.15E-06	6.75E-04	8.10E-04	1.76E-03	3.74E-04	1.42E-04	3.09E-03
3185	478863.09	3846877.25	0.00439	0.00223	0.0021	0.00195	7.18E-04	1.73E-03	4.01E-04	1.44E-04	2.99E-03	7.07E-04	7.49E-08	4.40E-06	4.20E-06	7.16E-04	8.59E-04	1.73E-03	4.01E-04	1.44E-04	3.13E-03
3186	479363.09	3846877.25	0.00412	0.00202	0.0019	0.00195	6.74E-04	1.57E-03	3.63E-04	1.44E-04	2.75E-03	6.64E-04	6.79E-08	3.98E-06	4.20E-06	6.72E-04	8.06E-04	1.57E-03	3.63E-04	1.44E-04	2.88E-03
3187	479863.09	3846877.25	0.00309	0.00171	0.0016	0.00195	5.05E-04	1.33E-03	3.18E-04	1.44E-04	2.29E-03	4.98E-04	5.74E-08	3.49E-06	4.20E-06	5.06E-04	6.05E-04	1.33E-03	3.18E-04	1.44E-04	2.39E-03
3188	480363.09	3846877.25	0.00271	0.00158	0.0016	0.00201	4.43E-04	1.23E-03	3.06E-04	1.48E-04	2.12E-03	4.37E-04	5.31E-08	3.36E-06	4.33E-06	4.44E-04	5.30E-04	1.23E-03	3.06E-04	1.48E-04	2.21E-03
3189	480863.09	3846877.25	0.00256	0.00151	0.0016	0.00208	4.19E-04	1.17E-03	3.02E-04	1.53E-04	2.05E-03	4.12E-04	5.07E-08	3.32E-06	4.48E-06	4.20E-04	5.01E-04	1.17E-03	3.02E-04	1.53E-04	2.13E-03
3190	481363.09	3846877.25	0.00249	0.00149	0.0016	0.00214	4.07E-04	1.16E-03	3.10E-04	1.58E-04	2.03E-03	4.01E-04	5.01E-08	3.40E-06	4.61E-06	4.09E-04	4.87E-04	1.16E-03	3.10E-04	1.58E-04	2.11E-03
3191	481863.09	3846877.25	0.00223	0.00146	0.0017	0.00214	3.65E-04	1.13E-03	3.26E-04	1.58E-04	1.98E-03	3.59E-04	4.90E-08	3.57E-06	4.61E-06	3.68E-04	4.36E-04	1.13E-03	3.26E-04	1.58E-04	2.05E-03
3192	482363.09	3846877.25	0.00198	0.00132	0.0018	0.00208	3.24E-04	1.02E-03	3.47E-04	1.53E-04	1.85E-03	3.19E-04	4.43E-08	3.81E-06	4.48E-06	3.27E-04	3.87E-04	1.02E-03	3.47E-04	1.53E-04	1.91E-03
3193	482863.09	3846877.25	0.00194	0.00129	0.0019	0.00206	3.17E-04	1.00E-03	3.74E-04	1.52E-04	1.84E-03	3.13E-04	4.33E-08	4.10E-06	4.43E-06	3.21E-04	3.80E-04	1.00E-03	3.74E-04	1.52E-04	1.91E-03
3194	483363.09	3846877.25	0.00189	0.00125	0.0021	0.00206	3.09E-04	9.70E-04	4.05E-04	1.52E-04	1.84E-03	3.05E-04	4.20E-08	4.44E-06	4.43E-06	3.13E-04	3.70E-04	9.70E-04	4.05E-04	1.52E-04	1.90E-03
3195	483863.09	3846877.25	0.00185	0.00122	0.0023	0.00209	3.03E-04	9.46E-04	4.38E-04	1.54E-04	1.84E-03	2.98E-04	4.10E-08	4.81E-06	4.50E-06	3.07E-04	3.62E-04	9.46E-04	4.38E-04	1.54E-04	1.90E-03
3196	484363.09	3846877.25	0.00175	0.00121	0.0025	0.0021	2.86E-04	9.39E-04	4.77E-04	1.55E-04	1.86E-03	2.82E-04	4.06E-08	5.23E-06	4.52E-06	2.92E-04	3.42E-04	9.39E-04	4.77E-04	1.55E-04	1.91E-03
3197	484863.09	3846877.25	0.0017	0.00117	0.0026	0.00211	2.78E-04	9.08E-04	4.96E-04	1.55E-04	1.84E-03	2.74E-04	3.93E-08	5.44E-06	4.54E-06	2.84E-04	3.33E-04	9.08E-04	4.96E-04	1.55E-04	1.89E-03
3198	485363.09	3846877.25	0.00168	0.00115	0.0025	0.00209	2.75E-04	8.92E-04	4.75E-04	1.54E-04	1.80E-03	2.71E-04	3.86E-08	5.21E-06	4.50E-06	2.80E-04	3.29E-04	8.92E-04	4.75E-04	1.54E-04	1.85E-03
3199	485863.09	3846877.25	0.00151	0.0011	0.0021	0.00204	2.47E-04	8.53E-04	4.11E-04	1.50E-04	1.66E-03	2.43E-04	3.70E-08	4.51E-06	4.39E-06	2.52E-04	2.95E-04	8.53E-04	4.11E-04	1.50E-04	1.71E-03
3200	486363.09	3846877.25	0.0015	0.00114	0.0019	0.00202	2.45E-04	8.84E-04	3.68E-04	1.49E-04	1.65E-03	2.42E-04	3.83E-08	4.04E-06	4.35E-06	2.50E-04	2.94E-04	8.84E-04	3.68E-04	1.49E-04	1.70E-03
3201	486863.09	3846877.25	0.00133	0.00106	0.0017	0.00199	2.18E-04	8.22E-04	3.30E-04	1.47E-04	1.52E-03	2.14E-04	3.56E-08	3.61E-06	4.28E-06	2.22E-04	2.60E-04	8.22E-04	3.30E-04	1.47E-04	1.56E-03
3202	487363.09	3846877.25	0.00133	0.00103	0.0016	0.002	2.18E-04	7.99E-04	3.08E-04	1.47E-04	1.47E-03	2.14E-04	3.46E-08	3.38E-06	4.31E-06	2.22E-04	2.60E-04	7.99E-04	3.08E-04	1.47E-04	1.51E-03
3203	487863.09	3846877.25	0.00132	0.001	0.0016	0.00202	2.16E-04	7.76E-04	3.14E-04	1.49E-04	1.45E-03	2.13E-04	3.36E-08	3.44E-06	4.35E-06	2.21E-04	2.58E-04	7.76E-04	3.14E-04	1.49E-04	1.50E-03
3204	488363.09	3846877.25	0.00127	0.00099	0.0017	0.00204	2.08E-04	7.68E-04	3.37E-04	1.50E-04	1.46E-03	2.05E-04	3.33E-08	3.70E-06	4.39E-06	2.13E-04	2.49E-04	7.68E-04	3.37E-04	1.50E-04	1.50E-03
3205	488863.09	3846877.25	0.00126	0.00098	0.002	0.00206	2.06E-04	7.60E-04	3.78E-04	1.52E-04	1.50E-03	2.03E-04	3.29E-08	4.15E-06	4.43E-06	2.12E-04	2.47E-04	7.60E-04	3.78E-04	1.52E-04	1.54E-03
3206	489363.09	3846877.25	0.00128	0.00098	0.0021	0.00208	2.09E-04	7.60E-04	4.15E-04	1.53E-04	1.54E-03	2.06E-04	3.29E-08	4.55E-06	4.48E-06	2.15E-04	2.50E-04	7.60E-04	4.15E-04	1.53E-04	1.58E-03
3207	489863.09	3846877.25	0.00125	0.00099	0.0022	0.00208	2.04E-04	7.68E-04	4.27E-04	1.53E-04	1.55E-03	2.01E-04	3.33E-08	4.68E-06	4.48E-06	2.11E-04	2.45E-04	7.68E-04	4.27E-04	1.53E-04	1.59E-03
3208	490363.09	3846877.25	0.00114	0.00094	0.0019	0.00206	1.86E-04	7.29E-04	3.74E-04	1.52E-04	1.44E-03	1.84E-04	3.16E-08	4.10E-06	4.43E-06	1.92E-04	2.23E-04	7.29E-04	3.74E-04	1.52E-04	1.48E-03
3209	490863.09	3846877.25	0.00114	0.00094	0.0018	0.00207	1.86E-04	7.29E-04	3.51E-04	1.52E-04	1.42E-03	1.84E-04	3.16E-08	3.85E-06	4.46E-06	1.92E-04	2.23E-04	7.29E-04	3.51E-04	1.52E-04	1.46E-03
3210	491363.09	3846877.25	0.00121	0.00097	0.0018	0.00213	1.98E-04	7.52E-04	3.47E-04	1.57E-04	1.45E-03	1.95E-04	3.26E-08	3.81E-06	4.59E-06	2.03E-04	2.37E-04	7.52E-04	3.47E-04	1.57E-04	1.49E-03
3211	491863.09	3846877.25	0.00124	0.00097	0.0018	0.00217	2.03E-04	7.52E-04	3.49E-04	1.60E-04	1.46E-03	2.00E-04	3.26E-08	3.83E-06	4.67E-06	2.08E-04	2.43E-04	7.52E-04	3.49E-04	1.60E-04	1.50E-03
3212	492363.09	3846877.25	0.00139	0.00106	0.0019	0.00233	2.27E-04	8.22E-04	3.70E-04	1.72E-04	1.59E-03	2.24E-04	3.56E-08	4.06E-06	5.02E-06	2.33E-04	2.72E-04	8.22E-04	3.70E-04	1.72E-04	1.64E-03
3213	492863.09	3846877.25	0.00145	0.00109	0.0019	0.0024	2.37E-04	8.46E-04	3.61E-04	1.77E-04	1.62E-03	2.34E-04	3.66E-08	3.95E-06	5.17E-06	2.43E-04	2.84E-04	8.46E-04	3.61E-04	1.77E-04	1.67E-03
3214	493363.09	3846877.25	0.00158	0.00113	0.0018	0.00249	2.58E-04	8.77E-04	3.49E-04	1.83E-04	1.67E-03	2.55E-04	3.80E-08	3.83E-06	5.36E-06	2.64E-04	3.09E-04	8.77E-04	3.49E-04	1.83E-04	1.72E-03
3215	493863.09	3846877.25	0.00168	0.00116	0.0018	0.00256	2.75E-04	9.00E-04	3.45E-04	1.88E-04	1.71E-03	2.71E-04	3.90E-08	3.78E-06	5.51E-06	2.80E-04	3.29E-04	9.00E-04	3.45E-04	1.88E-04	1.76E-03
3216	494363.09	3846877.25	0.00177	0.00119	0.0018	0.00262	2.90E-04	9.23E-04	3.47E-04	1.93E-04	1.75E-03	2.85E-04	4.00E-08	3.81E-06	5.64E-06	2.95E-04	3.46E-04	9.23E-04	3.47E-04	1.93E-04	1.81E-03
3217	494863.09	3846877.25	0.00186	0.00126	0.0018	0.00267	3.04E-04	9.77E-04	3.55E-04	1.97E-04	1.83E-03	3.00E-04	4.23E-08	3.89E-06	5.75E-06	3.09E-04	3.64E-04	9.77E-04	3.55E-04	1.97E-04	1.89E-03
3218	495363.09	3846877.25	0.00192	0.00133	0.0019	0.00274	3.14E-04	1.03E-03	3.61E-04	2.02E-04	1.91E-03	3.09E-04	4.47E-08	3.95E-06	5.90E-06	3.19E-04	3.76E-04	1.03E-03	3.61E-04	2.02E-04	1.97E-03
3219	495863.09	3846877.25	0.002	0.0014	0.002	0.00282	3.27E-04	1.09E-03	3.80E-04	2.08E-04	2.00E-03	3.22E-04	4.70E-08	4.17E-06	6.07E-06	3.33E-04	3.91E-04	1.09E-03	3.80E-04	2.08E-04	2.07E-03
3220	496363.09	3846877.25	0.00214	0.00148	0.0022	0.00291	3.50E-04	1.15E-03	4.21E-04	2.14E-04	2.13E-03	3.45E-04	4.97E-08	4.61E-06	6.26E-06	3.56E-04	4.19E-04	1.15E-03	4.21E-04	2.14E-04	2.20E-03
3221	496863.09	3846877.25	0.00231	0.00158	0.0024	0.00302	3.78E-04	1.23E-03	4.69E-04	2.22E-04	2.30E-03	3.72E-04	5.31E-08	5.15E-06	6.50E-06	3.84E-04	4.52E-04	1.23E-03	4.69E-04	2.22E-04	2.37E-03
3222	497363.09	3846877.25	0.00254	0.0017	0.0027	0.00313	4.15E-04	1.32E-03	5.29E-04	2.30E-04	2.49E-03	4.09E-04	5.71E-08	5.80E-06	6.74E-06	4.22E-04	4.97E-04	1.32E-03	5.29E-04	2.30E-04	2.58E-03
3223	497863.09	3846877.25	0.00277	0.00182	0.0031	0.00324	4.53E-04	1.41E-03	5.93E-04	2.39E-04	2.70E-03	4.46E-04	6.11E-08	6.51E-06	6.97E-06	4.60E-04	5.42E-04	1.41E-03	5.93E-04	2.39E-04	2.79E-03
3224	498363.09	3846877.25	0.00291	0.00191	0.0033	0.00335	4.76E-04	1.48E-03	6.30E-04	2.47E-04	2.83E-03	4.69E-04	6.42E-08	6.91E-06	7.21E-06	4.83E-04	5.69E-04	1.48E-03	6.30E-04	2.47E-04	2.93E-03
3225	471363.09	3847377.25	0.00538	0.00356	0.0014	0.00185	8.80E-04	2.76E-03	2.73E-04	1.36E-04	4.05E-03	8.67E-04	1.20E-07	3.00E-06	3.98E-06	8.74E-04	1.05E-03	2.76E-03	2.73E-04	1.36E-04	4.22E-03
3226	471863.09	3847377.25	0.00551	0.00358	0.0014	0.00187	9.01E-04	2.78E-03	2.68E-04	1.38E-04	4.08E-03	8.88E-04	1.20E-07	2.93E-06	4.03E-06	8.95E-04	1.08E-03	2.78E-03	2.68E-04	1.38E-04	4.26E-03
3227	472363.09	3847377.25	0.0055	0.00349	0.0014	0.0019	9.00E-04	2.71E-03	2.66E-04	1.40E-04	4.01E-03	8.86E-04	1.17E-07	2.91E-06	4.09E-06	8.93E-04	1.08E-03	2.71E-03	2.66E-04	1.40E-04	4.19E-03
3228	472863.09	3847377.25	0.00529	0.00315	0.0014	0.00191	8.65E-04	2.44E-03	2.66E-04	1.41E-04	3.71E-03	8.52E-04	1.06E-07	2.91E-06	4.11E-06	8.60E-04	1.04E-03	2.44E-03	2.66E-04	1.41E-04	3.89E-03
3229	473363.09	3847377.25	0.00459	0.00241	0.0013	0.00187	7.51E-04	1.87E-03	2.60E-04	1.38E-04	3.02E-03	7.40E-04	8.10E-08	2.85E-06	4.03E-06	7.47E-04	8.98E-04	1.87E-03	2.60E-04	1.38E-04	3.17E-03

3230	473863.09	3847377.25	0.00453	0.00242	0.0014	0.00186	7.41E-04	1.88E-03	2.68E-04	1.37E-04	3.02E-03	7.30E-04	8.13E-08	2.93E-06	4.00E-06	7.37E-04	8.86E-04	1.88E-03	2.68E-04	1.37E-04	3.17E-03
3231	474363.09	3847377.25	0.00468	0.00279	0.0014	0.00184	7.65E-04	2.16E-03	2.79E-04	1.35E-04	3.34E-03	7.54E-04	9.37E-08	3.06E-06	3.96E-06	7.61E-04	9.16E-04	2.16E-03	2.79E-04	1.35E-04	3.49E-03
3232	474863.09	3847377.25	0.00431	0.00301	0.0015	0.00181	7.05E-04	2.33E-03	2.85E-04	1.33E-04	3.46E-03	6.94E-04	1.01E-07	3.13E-06	3.90E-06	7.02E-04	8.43E-04	2.33E-03	2.85E-04	1.33E-04	3.60E-03
3233	475363.09	3847377.25	0.00394	0.00315	0.0015	0.00179	6.44E-04	2.44E-03	2.85E-04	1.32E-04	3.50E-03	6.35E-04	1.06E-07	3.13E-06	3.85E-06	6.42E-04	7.71E-04	2.44E-03	2.85E-04	1.32E-04	3.63E-03
3234	475863.09	3847377.25	0.00459	0.00363	0.0015	0.00185	7.51E-04	2.82E-03	2.85E-04	1.36E-04	3.99E-03	7.40E-04	1.22E-07	3.13E-06	3.98E-06	7.47E-04	8.98E-04	2.82E-03	2.85E-04	1.36E-04	4.14E-03
3235	476363.09	3847377.25	0.00585	0.00396	0.0015	0.00198	9.57E-04	3.07E-03	2.83E-04	1.46E-04	4.46E-03	9.43E-04	1.33E-07	3.10E-06	4.26E-06	9.50E-04	1.14E-03	3.07E-03	2.83E-04	1.46E-04	4.65E-03
3236	476863.09	3847377.25	0.00753	0.00354	0.0014	0.00204	1.23E-03	2.75E-03	2.77E-04	1.50E-04	4.41E-03	1.21E-03	1.19E-07	3.04E-06	4.39E-06	1.22E-03	1.47E-03	2.75E-03	2.77E-04	1.50E-04	4.65E-03
3237	477363.09	3847377.25	0.00778	0.00325	0.0014	0.00203	1.27E-03	2.52E-03	2.79E-04	1.49E-04	4.22E-03	1.25E-03	1.09E-07	3.06E-06	4.37E-06	1.26E-03	1.52E-03	2.52E-03	2.79E-04	1.49E-04	4.47E-03
3238	477863.09	3847377.25	0.00727	0.00279	0.0015	0.00202	1.19E-03	2.16E-03	2.95E-04	1.49E-04	3.80E-03	1.17E-03	9.37E-08	3.23E-06	4.35E-06	1.18E-03	1.42E-03	2.16E-03	2.95E-04	1.49E-04	4.03E-03
3239	478363.09	3847377.25	0.00621	0.00269	0.0018	0.00206	1.02E-03	2.09E-03	3.49E-04	1.52E-04	3.60E-03	1.00E-03	9.04E-08	3.83E-06	4.43E-06	1.01E-03	1.22E-03	2.09E-03	3.49E-04	1.52E-04	3.80E-03
3240	478863.09	3847377.25	0.00483	0.00266	0.0025	0.00223	7.90E-04	2.06E-03	4.75E-04	1.64E-04	3.49E-03	7.78E-04	8.94E-08	5.21E-06	4.80E-06	7.88E-04	9.45E-04	2.06E-03	4.75E-04	1.64E-04	3.65E-03
3241	479363.09	3847377.25	0.00441	0.00212	0.0022	0.00206	7.21E-04	1.64E-03	4.32E-04	1.52E-04	2.95E-03	7.11E-04	7.12E-08	4.74E-06	4.43E-06	7.20E-04	8.63E-04	1.64E-03	4.32E-04	1.52E-04	3.09E-03
3242	479863.09	3847377.25	0.00315	0.0017	0.0018	0.002	5.15E-04	1.32E-03	3.43E-04	1.47E-04	2.32E-03	5.08E-04	5.71E-08	3.76E-06	4.31E-06	5.16E-04	6.16E-04	1.32E-03	3.43E-04	1.47E-04	2.43E-03
3243	480363.09	3847377.25	0.00213	0.00142	0.0016	0.00205	3.48E-04	1.10E-03	3.12E-04	1.51E-04	1.91E-03	3.43E-04	4.77E-08	3.42E-06	4.41E-06	3.51E-04	4.17E-04	1.10E-03	3.12E-04	1.51E-04	1.98E-03
3244	480863.09	3847377.25	0.002	0.00135	0.0016	0.0021	3.27E-04	1.05E-03	3.08E-04	1.55E-04	1.84E-03	3.22E-04	4.53E-08	3.38E-06	4.52E-06	3.30E-04	3.91E-04	1.05E-03	3.08E-04	1.55E-04	1.90E-03
3245	481363.09	3847377.25	0.00217	0.0014	0.0016	0.00218	3.55E-04	1.09E-03	3.10E-04	1.61E-04	1.91E-03	3.50E-04	4.70E-08	3.40E-06	4.69E-06	3.58E-04	4.25E-04	1.09E-03	3.10E-04	1.61E-04	1.98E-03
3246	481863.09	3847377.25	0.00253	0.00157	0.0017	0.00224	4.14E-04	1.22E-03	3.30E-04	1.65E-04	2.13E-03	4.08E-04	5.27E-08	3.61E-06	4.82E-06	4.16E-04	4.95E-04	1.22E-03	3.30E-04	1.65E-04	2.21E-03
3247	482363.09	3847377.25	0.00234	0.00151	0.0018	0.00221	3.83E-04	1.17E-03	3.51E-04	1.63E-04	2.07E-03	3.77E-04	5.07E-08	3.85E-06	4.76E-06	3.86E-04	4.58E-04	1.17E-03	3.51E-04	1.63E-04	2.14E-03
3248	482863.09	3847377.25	0.00224	0.00143	0.002	0.00217	3.66E-04	1.11E-03	3.78E-04	1.60E-04	2.01E-03	3.61E-04	4.80E-08	4.15E-06	4.67E-06	3.70E-04	4.38E-04	1.11E-03	3.78E-04	1.60E-04	2.09E-03
3249	483363.09	3847377.25	0.00211	0.00136	0.0021	0.00216	3.45E-04	1.05E-03	4.09E-04	1.59E-04	1.97E-03	3.40E-04	4.57E-08	4.49E-06	4.65E-06	3.49E-04	4.13E-04	1.06E-03	4.09E-04	1.59E-04	2.04E-03
3250	483863.09	3847377.25	0.00212	0.00133	0.0023	0.00219	3.47E-04	1.03E-03	4.54E-04	1.61E-04	1.99E-03	3.42E-04	4.47E-08	4.98E-06	4.71E-06	3.51E-04	4.15E-04	1.03E-03	4.54E-04	1.61E-04	2.06E-03
3251	484363.09	3847377.25	0.00207	0.00134	0.0027	0.00223	3.39E-04	1.04E-03	5.18E-04	1.64E-04	2.06E-03	3.34E-04	4.50E-08	5.68E-06	4.80E-06	3.44E-04	4.05E-04	1.04E-03	5.18E-04	1.64E-04	2.13E-03
3252	484863.09	3847377.25	0.00198	0.0013	0.0028	0.00223	3.24E-04	1.01E-03	5.49E-04	1.64E-04	2.05E-03	3.19E-04	4.37E-08	6.02E-06	4.80E-06	3.30E-04	3.87E-04	1.01E-03	5.49E-04	1.64E-04	2.11E-03
3253	485363.09	3847377.25	0.00192	0.00127	0.0027	0.00222	3.14E-04	9.85E-04	5.27E-04	1.63E-04	1.99E-03	3.09E-04	4.27E-08	5.78E-06	4.78E-06	3.20E-04	3.76E-04	9.85E-04	5.27E-04	1.63E-04	2.05E-03
3254	485863.09	3847377.25	0.0018	0.00124	0.0024	0.00218	2.94E-04	9.62E-04	4.67E-04	1.61E-04	1.88E-03	2.90E-04	4.17E-08	5.12E-06	4.69E-06	3.00E-04	3.52E-04	9.62E-04	4.67E-04	1.61E-04	1.94E-03
3255	486363.09	3847377.25	0.00173	0.00126	0.0021	0.00215	2.83E-04	9.77E-04	3.99E-04	1.58E-04	1.82E-03	2.79E-04	4.23E-08	4.38E-06	4.63E-06	2.88E-04	3.39E-04	9.77E-04	3.99E-04	1.58E-04	1.87E-03
3256	486863.09	3847377.25	0.00159	0.0012	0.0018	0.00213	2.60E-04	9.31E-04	3.57E-04	1.57E-04	1.70E-03	2.56E-04	4.03E-08	3.91E-06	4.59E-06	2.65E-04	3.11E-04	9.31E-04	3.57E-04	1.57E-04	1.76E-03
3257	487363.09	3847377.25	0.00159	0.00117	0.0017	0.00215	2.60E-04	9.08E-04	3.32E-04	1.58E-04	1.66E-03	2.56E-04	3.93E-08	3.64E-06	4.63E-06	2.65E-04	3.11E-04	9.08E-04	3.32E-04	1.58E-04	1.71E-03
3258	487863.09	3847377.25	0.00148	0.0011	0.0017	0.00215	2.42E-04	8.53E-04	3.32E-04	1.58E-04	1.59E-03	2.38E-04	3.70E-08	3.64E-06	4.63E-06	2.47E-04	2.90E-04	8.53E-04	3.32E-04	1.58E-04	1.63E-03
3259	488363.09	3847377.25	0.00143	0.00108	0.0019	0.00217	2.34E-04	8.38E-04	3.70E-04	1.60E-04	1.60E-03	2.30E-04	3.63E-08	4.06E-06	4.67E-06	2.39E-04	2.80E-04	8.38E-04	3.70E-04	1.60E-04	1.65E-03
3260	488863.09	3847377.25	0.00142	0.00108	0.0022	0.0022	2.32E-04	8.38E-04	4.21E-04	1.62E-04	1.65E-03	2.29E-04	3.63E-08	4.61E-06	4.74E-06	2.38E-04	2.78E-04	8.38E-04	4.21E-04	1.62E-04	1.70E-03
3261	489363.09	3847377.25	0.00144	0.00108	0.0024	0.00222	2.36E-04	8.38E-04	4.60E-04	1.63E-04	1.70E-03	2.32E-04	3.63E-08	5.04E-06	4.78E-06	2.42E-04	2.82E-04	8.38E-04	4.60E-04	1.63E-04	1.74E-03
3262	489863.09	3847377.25	0.00136	0.00108	0.0023	0.00223	2.22E-04	8.38E-04	4.42E-04	1.64E-04	1.67E-03	2.19E-04	3.63E-08	4.85E-06	4.80E-06	2.29E-04	2.66E-04	8.38E-04	4.42E-04	1.64E-04	1.71E-03
3263	490363.09	3847377.25	0.00131	0.00106	0.0021	0.00225	2.14E-04	8.22E-04	4.01E-04	1.66E-04	1.60E-03	2.11E-04	3.56E-08	4.40E-06	4.84E-06	2.20E-04	2.56E-04	8.22E-04	4.01E-04	1.66E-04	1.65E-03
3264	490863.09	3847377.25	0.00136	0.00107	0.002	0.0023	2.22E-04	8.30E-04	3.92E-04	1.69E-04	1.61E-03	2.19E-04	3.59E-08	4.29E-06	4.95E-06	2.28E-04	2.66E-04	8.30E-04	3.92E-04	1.69E-04	1.66E-03
3265	491363.09	3847377.25	0.00142	0.00109	0.002	0.00236	2.32E-04	8.46E-04	3.88E-04	1.74E-04	1.64E-03	2.29E-04	3.66E-08	4.25E-06	5.08E-06	2.38E-04	2.78E-04	8.46E-04	3.88E-04	1.74E-04	1.68E-03
3266	491863.09	3847377.25	0.00155	0.00116	0.0021	0.00246	2.54E-04	9.00E-04	4.11E-04	1.81E-04	1.75E-03	2.50E-04	3.90E-08	4.51E-06	5.30E-06	2.60E-04	3.03E-04	9.00E-04	4.11E-04	1.81E-04	1.80E-03
3267	492363.09	3847377.25	0.00159	0.00117	0.0021	0.00253	2.60E-04	9.08E-04	4.01E-04	1.86E-04	1.76E-03	2.56E-04	3.93E-08	4.40E-06	5.45E-06	2.66E-04	3.11E-04	9.08E-04	4.01E-04	1.86E-04	1.81E-03
3268	492863.09	3847377.25	0.0017	0.00121	0.002	0.00263	2.78E-04	9.39E-04	3.90E-04	1.94E-04	1.80E-03	2.74E-04	4.06E-08	4.27E-06	5.66E-06	2.84E-04	3.33E-04	9.39E-04	3.90E-04	1.94E-04	1.85E-03
3269	493363.09	3847377.25	0.0018	0.00124	0.0019	0.0027	2.94E-04	9.62E-04	3.68E-04	1.99E-04	1.82E-03	2.90E-04	4.17E-08	4.04E-06	5.81E-06	3.00E-04	3.52E-04	9.62E-04	3.68E-04	1.99E-04	1.88E-03
3270	493863.09	3847377.25	0.00187	0.00126	0.0019	0.00276	3.06E-04	9.77E-04	3.61E-04	2.03E-04	1.85E-03	3.01E-04	4.23E-08	3.95E-06	5.94E-06	3.11E-04	3.66E-04	9.77E-04	3.61E-04	2.03E-04	1.91E-03
3271	494363.09	3847377.25	0.00192	0.0013	0.0019	0.00281	3.14E-04	1.01E-03	3.63E-04	2.07E-04	1.89E-03	3.09E-04	4.37E-08	3.98E-06	6.05E-06	3.19E-04	3.76E-04	1.01E-03	3.63E-04	2.07E-04	1.95E-03
3272	494863.09	3847377.25	0.00197	0.00137	0.0019	0.00287	3.22E-04	1.06E-03	3.68E-04	2.11E-04	1.96E-03	3.17E-04	4.60E-08	4.04E-06	6.18E-06	3.28E-04	3.85E-04	1.06E-03	3.68E-04	2.11E-04	2.03E-03
3273	495363.09	3847377.25	0.00205	0.00144	0.002	0.00296	3.35E-04	1.12E-03	3.86E-04	2.18E-04	2.06E-03	3.30E-04	4.84E-08	4.23E-06	6.37E-06	3.41E-04	4.01E-04	1.12E-03	3.86E-04	2.18E-04	2.12E-03
3274	495863.09	3847377.25	0.00219	0.00152	0.0022	0.00305	3.58E-04	1.18E-03	4.25E-04	2.25E-04	2.19E-03	3.53E-04	5.11E-08	4.66E-06	6.57E-06	3.64E-04	4.29E-04	1.18E-03	4.25E-04	2.25E-04	2.26E-03
3275	496363.09	3847377.25	0.00234	0.0016	0.0024	0.00315	3.83E-04	1.24E-03	4.71E-04	2.32E-04	2.33E-03	3.77E-04	5.37E-08	5.17E-06	6.78E-06	3.89E-04	4.58E-04	1.24E-03	4.71E-04	2.32E-04	2.40E-03
3276	496863.09	3847377.25	0.00257	0.00171	0.0027	0.00327	4.20E-04	1.33E-03	5.22E-04	2.41E-04	2.51E-03	4.14E-04	5.74E-08	5.72E-06	7.04E-06	4.27E-04	5.03E-04	1.33E-03	5.22E-04	2.41E-04	2.59E-03
3277	497363.09	3847377.25	0.00287	0.00187	0.003	0.00342	4.69E-04	1.45E-03	5.84E-04	2.52E-04	2.76E-03	4.62E-04	6.28E-08	6.40E-06	7.36E-06	4.76E-04	5.62E-04	1.45E-03	5.84E-04	2.52E-04	2.85E-03
3278	497863.09	3847377.25	0.00326	0.00207	0.0034	0.00356	5.33E-04	1.61E-03	6.57E-04	2.62E-04	3.06E-03	5.25E-04	6.95E-08	7.21E-06	7.66E-06	5.40E-04	6.38E-04	1.61E-03	6.57E-04	2.62E-04	3.16E-03
3279	498363.09	3847377.25	0.0035	0.00218	0.0036	0.00367	5.72E-04	1.69E-03	6.98E-04	2.70E-04	3.23E-03	5.64E-04	7.32E-08	7.65E-06	7.90E-06	5.80E-04	6.85E-04	1.69E-03	6.98E-04	2.70E-04	3.34E-03
3280	471363.09	3847877.25	0.00595	0.00379	0.0015	0.00191	9.73E-04	2.94E-03	2.87E-04	1.41E-04	4.34E-03	9.59E-04	1.27E-07	3.15E-06	4.11E-06	9.66E-04	1.16E-03	2.94E-03	2.87E-04	1.41E-04	4.53E-03
3281	471863.09	3847877.25	0.00593	0.00389	0.0015	0.00193	9.70E-04	3.02E-03	2.87E-04	1.42E-04	4.42E-03	9.56E-04	1.31E-07	3.15E-06	4.15E-06	9.63E-04	1.16E-03	3.02E-03	2.87E-04	1.42E-04	4.61E-03
3282	472363.09	3847877.25	0.006	0.00392	0.0015	0.00195	9.81E-04	3.04E-03	2.81E-04	1.44E-04	4.45E-03	9.67E-04	1.32E-07	3.08E-06	4.20E-06	9.74E-04	1.17E-03	3.04E-03	2.81E-04	1.44E-04	4.64E-03
3283	472863.09	3847877.25	0.00606	0.00383	0.0014	0.00197	9.91E-04	2.97E-03	2.75E-04	1.45E-04	4.38E-03	9.76E-04	1.29E-07	3.02E-06	4.24E-06	9.84E-04	1.19E-03	2.97E-03	2.75E-04	1.45E-04	4.58E-03
3284	473363.09	3847877.25	0.00602	0.00371	0.0014	0.00199	9.85E-04	2.88E-03	2.71E-04	1.47E-04	4.28E-03	9.70E-04	1.25E-07	2.98E-06	4.28E-06	9.77E-04	1.18E-03	2.88E-03	2.71E-04	1.47E-04	4.47E-03
3285	473863.09	3847877.25	0.00577	0.00332	0.0014	0.002	9.44E-04	2.58E-03	2.77E-04	1.47E-04	3.94E-03	9.30E-04	1.12E-07	3.04E-06	4.31E-06	9.37E-04	1.13E-03	2.58E-03	2.77E-04	1.47E-04	4.13E-03
3286	474363.09	3847877.25	0.00523	0.00274	0.0014	0.00196	8.55E-04	2.13E-03	2.79E-04	1.44E-04	3.40E-03	8.43E-04	9.20E-08	3.06E-06	4.22E-06	8.50E-04	1.02E-03	2.13E-03	2.79E-04	1.44E-04	3.57E-03
3287	474863.09	3847877.25	0.00534	0.00317	0.0015	0.00194	8.73E-04	2.46E-03	2.91E-04	1.43E-04	3.77E-03	8.60E-04	1.06E-07	3.19E-06	4.18E-06	8.68E-04	1.04E-03	2.46E-03	2.91E-04	1.43E-04	3.94E-03
3288	475363.09	3847877.25	0.00493	0.00333	0.0015	0.00191	8.06E-04	2.58E-03	2.97E-04	1.41E-04	3.83E-03	7.94E-04	1.12E-07	3.25E-06	4.11E-06	8.02E-04	9.65E-04	2.58E-03	2.97E-04	1.41E-04	3.99E-03
3289	475863.09	3847877.25	0.00439	0.00345	0.0015	0.00189	7.18E-04	2.68E-03	2.97E-04	1.39E-04	3.83E-03	7.07E-04	1.16E-07	3.25E-06	4.07E-06	7.15E-04	8.59E-04	2.68E-03	2.97E-04	1.39E-04	3.97E-03
3290	476363.09	3847877.25	0.0053	0.00443	0.0016	0.00198	8.67E-04	3.44E-03	3.01E-04	1.46E-04	4.75E-03	8.54E-04	1.49E-07	3.30E-06	4.26E-06	8.62E-04	1.04E-03	3.44E-03	3.01E-04	1.46E-04	4.92E-03

3291	476863.09	3847877.25	0.00646	0.00433	0.0015	0.0021	1.06E-03	3.36E-03	2.95E-04	1.55E-04	4.86E-03	1.04E-03	1.45E-07	3.23E-06	4.52E-06	1.05E-03	1.26E-03	3.36E-03	2.95E-04	1.55E-04	5.07E-03
3292	477363.09	3847877.25	0.00857	0.00404	0.0015	0.00216	1.40E-03	3.13E-03	2.91E-04	1.59E-04	4.99E-03	1.38E-03	1.36E-07	3.19E-06	4.65E-06	1.39E-03	1.68E-03	3.13E-03	2.91E-04	1.59E-04	5.26E-03
3293	477863.09	3847877.25	0.00881	0.00354	0.0015	0.00215	1.44E-03	2.75E-03	2.93E-04	1.58E-04	4.64E-03	1.42E-03	1.19E-07	3.21E-06	4.63E-06	1.43E-03	1.72E-03	2.75E-03	2.93E-04	1.58E-04	4.92E-03
3294	478363.09	3847877.25	0.00825	0.00311	0.0016	0.00217	1.35E-03	2.41E-03	3.14E-04	1.60E-04	4.24E-03	1.33E-03	1.04E-07	3.44E-06	4.67E-06	1.34E-03	1.61E-03	2.41E-03	3.14E-04	1.60E-04	4.50E-03
3295	478863.09	3847877.25	0.00668	0.00296	0.0021	0.00239	1.09E-03	2.30E-03	4.09E-04	1.76E-04	3.97E-03	1.08E-03	9.94E-08	4.49E-06	5.15E-06	1.09E-03	1.31E-03	2.30E-03	4.09E-04	1.76E-04	4.19E-03
3296	479363.09	3847877.25	0.00421	0.00221	0.0022	0.00215	6.89E-04	1.71E-03	4.19E-04	1.58E-04	2.98E-03	6.78E-04	7.42E-08	4.59E-06	4.63E-06	6.88E-04	8.24E-04	1.71E-03	4.19E-04	1.58E-04	3.12E-03
3297	479863.09	3847877.25	0.00268	0.00157	0.0017	0.00206	4.38E-04	1.22E-03	3.20E-04	1.52E-04	2.13E-03	4.32E-04	5.27E-08	3.51E-06	4.43E-06	4.40E-04	5.24E-04	1.22E-03	3.20E-04	1.52E-04	2.21E-03
3298	480363.09	3847877.25	0.00261	0.0016	0.0017	0.00213	4.27E-04	1.24E-03	3.30E-04	1.57E-04	2.15E-03	4.21E-04	5.37E-08	3.61E-06	4.59E-06	4.29E-04	5.11E-04	1.24E-03	3.30E-04	1.57E-04	2.24E-03
3299	480863.09	3847877.25	0.00232	0.00151	0.0017	0.0022	3.79E-04	1.17E-03	3.26E-04	1.62E-04	2.04E-03	3.74E-04	5.07E-08	3.57E-06	4.74E-06	3.82E-04	4.54E-04	1.17E-03	3.26E-04	1.62E-04	2.11E-03
3300	481363.09	3847877.25	0.0024	0.00151	0.0017	0.00227	3.93E-04	1.17E-03	3.24E-04	1.67E-04	2.05E-03	3.87E-04	5.07E-08	3.55E-06	4.89E-06	3.95E-04	4.70E-04	1.17E-03	3.24E-04	1.67E-04	2.13E-03
3301	481863.09	3847877.25	0.00312	0.00177	0.0018	0.00237	5.10E-04	1.37E-03	3.51E-04	1.74E-04	2.41E-03	5.03E-04	5.95E-08	3.85E-06	5.10E-06	5.12E-04	6.11E-04	1.37E-03	3.51E-04	1.74E-04	2.51E-03
3302	482363.09	3847877.25	0.00278	0.0017	0.0019	0.00233	4.55E-04	1.32E-03	3.59E-04	1.72E-04	2.30E-03	4.48E-04	5.71E-08	3.93E-06	5.02E-06	4.57E-04	5.44E-04	1.32E-03	3.59E-04	1.72E-04	2.39E-03
3303	482863.09	3847877.25	0.00251	0.00157	0.002	0.00229	4.11E-04	1.22E-03	3.82E-04	1.69E-04	2.18E-03	4.04E-04	5.27E-08	4.19E-06	4.93E-06	4.14E-04	4.91E-04	1.22E-03	3.82E-04	1.69E-04	2.26E-03
3304	483363.09	3847877.25	0.0024	0.00151	0.0021	0.00228	3.93E-04	1.17E-03	4.13E-04	1.68E-04	2.14E-03	3.87E-04	5.07E-08	4.53E-06	4.91E-06	3.96E-04	4.70E-04	1.17E-03	4.13E-04	1.68E-04	2.22E-03
3305	483863.09	3847877.25	0.00247	0.00148	0.0024	0.00232	4.04E-04	1.15E-03	4.58E-04	1.71E-04	2.18E-03	3.98E-04	4.97E-08	5.02E-06	4.99E-06	4.08E-04	4.83E-04	1.15E-03	4.58E-04	1.71E-04	2.26E-03
3306	484363.09	3847877.25	0.00239	0.00147	0.0027	0.00237	3.91E-04	1.14E-03	5.22E-04	1.74E-04	2.23E-03	3.85E-04	4.94E-08	5.72E-06	5.10E-06	3.96E-04	4.68E-04	1.14E-03	5.22E-04	1.74E-04	2.30E-03
3307	484863.09	3847877.25	0.00232	0.00145	0.003	0.00238	3.79E-04	1.12E-03	5.84E-04	1.75E-04	2.26E-03	3.74E-04	4.87E-08	6.40E-06	5.12E-06	3.85E-04	4.54E-04	1.12E-03	5.84E-04	1.75E-04	2.34E-03
3308	485363.09	3847877.25	0.00231	0.00144	0.003	0.00238	3.78E-04	1.12E-03	5.88E-04	1.75E-04	2.26E-03	3.72E-04	4.84E-08	6.44E-06	5.12E-06	3.84E-04	4.52E-04	1.12E-03	5.88E-04	1.75E-04	2.33E-03
3309	485863.09	3847877.25	0.00215	0.00141	0.0028	0.00234	3.52E-04	1.09E-03	5.35E-04	1.72E-04	2.15E-03	3.46E-04	4.74E-08	5.87E-06	5.04E-06	3.57E-04	4.21E-04	1.09E-03	5.35E-04	1.72E-04	2.22E-03
3310	486363.09	3847877.25	0.00192	0.00136	0.0022	0.0023	3.14E-04	1.05E-03	4.32E-04	1.69E-04	1.97E-03	3.09E-04	4.57E-08	4.74E-06	4.95E-06	3.19E-04	3.76E-04	1.06E-03	4.32E-04	1.69E-04	2.03E-03
3311	486863.09	3847877.25	0.00186	0.00134	0.002	0.00228	3.04E-04	1.04E-03	3.86E-04	1.68E-04	1.90E-03	3.00E-04	4.50E-08	4.23E-06	4.91E-06	3.09E-04	3.64E-04	1.04E-03	3.86E-04	1.68E-04	1.96E-03
3312	487363.09	3847877.25	0.00179	0.00127	0.0018	0.00229	2.93E-04	9.85E-04	3.53E-04	1.69E-04	1.80E-03	2.88E-04	4.27E-08	3.87E-06	4.93E-06	2.97E-04	3.50E-04	9.85E-04	3.53E-04	1.69E-04	1.86E-03
3313	487863.09	3847877.25	0.00168	0.0012	0.0018	0.0023	2.75E-04	9.31E-04	3.51E-04	1.69E-04	1.73E-03	2.71E-04	4.03E-08	3.85E-06	4.95E-06	2.80E-04	3.29E-04	9.31E-04	3.51E-04	1.69E-04	1.78E-03
3314	488363.09	3847877.25	0.00162	0.0012	0.002	0.00231	2.65E-04	9.31E-04	3.92E-04	1.70E-04	1.76E-03	2.61E-04	4.03E-08	4.29E-06	4.97E-06	2.70E-04	3.17E-04	9.31E-04	3.92E-04	1.70E-04	1.81E-03
3315	488863.09	3847877.25	0.00163	0.00121	0.0023	0.00235	2.67E-04	9.39E-04	4.44E-04	1.73E-04	1.82E-03	2.63E-04	4.06E-08	4.87E-06	5.06E-06	2.73E-04	3.19E-04	9.39E-04	4.44E-04	1.73E-04	1.87E-03
3316	489363.09	3847877.25	0.00163	0.00121	0.0025	0.00239	2.67E-04	9.39E-04	4.83E-04	1.76E-04	1.86E-03	2.63E-04	4.06E-08	5.29E-06	5.15E-06	2.73E-04	3.19E-04	9.39E-04	4.83E-04	1.76E-04	1.92E-03
3317	489863.09	3847877.25	0.00166	0.00127	0.0025	0.00244	2.72E-04	9.85E-04	4.81E-04	1.80E-04	1.92E-03	2.67E-04	4.27E-08	5.27E-06	5.25E-06	2.78E-04	3.25E-04	9.85E-04	4.81E-04	1.80E-04	1.97E-03
3318	490363.09	3847877.25	0.00167	0.00128	0.0023	0.0025	2.73E-04	9.93E-04	4.46E-04	1.84E-04	1.90E-03	2.69E-04	4.30E-08	4.89E-06	5.38E-06	2.79E-04	3.27E-04	9.93E-04	4.46E-04	1.84E-04	1.95E-03
3319	490863.09	3847877.25	0.00172	0.00127	0.0022	0.00256	2.81E-04	9.85E-04	4.27E-04	1.88E-04	1.88E-03	2.77E-04	4.27E-08	4.68E-06	5.51E-06	2.87E-04	3.37E-04	9.85E-04	4.27E-04	1.88E-04	1.94E-03
3320	491363.09	3847877.25	0.00173	0.00127	0.0022	0.00261	2.83E-04	9.85E-04	4.29E-04	1.92E-04	1.89E-03	2.79E-04	4.27E-08	4.70E-06	5.62E-06	2.89E-04	3.39E-04	9.85E-04	4.29E-04	1.92E-04	1.94E-03
3321	491863.09	3847877.25	0.0018	0.0013	0.0022	0.00271	2.94E-04	1.01E-03	4.30E-04	2.00E-04	1.93E-03	2.90E-04	4.37E-08	4.72E-06	5.83E-06	3.01E-04	3.52E-04	1.01E-03	4.30E-04	2.00E-04	1.99E-03
3322	492363.09	3847877.25	0.00189	0.00133	0.0022	0.00282	3.09E-04	1.03E-03	4.23E-04	2.08E-04	1.97E-03	3.05E-04	4.47E-08	4.64E-06	6.07E-06	3.15E-04	3.70E-04	1.03E-03	4.23E-04	2.08E-04	2.03E-03
3323	492863.09	3847877.25	0.00198	0.00135	0.0021	0.0029	3.24E-04	1.05E-03	3.99E-04	2.14E-04	1.98E-03	3.19E-04	4.53E-08	4.38E-06	6.24E-06	3.30E-04	3.87E-04	1.05E-03	3.99E-04	2.14E-04	2.05E-03
3324	493363.09	3847877.25	0.00198	0.00134	0.002	0.00292	3.24E-04	1.04E-03	3.78E-04	2.15E-04	1.96E-03	3.19E-04	4.50E-08	4.15E-06	6.29E-06	3.30E-04	3.87E-04	1.04E-03	3.78E-04	2.15E-04	2.02E-03
3325	493863.09	3847877.25	0.002	0.00136	0.0019	0.00297	3.27E-04	1.05E-03	3.68E-04	2.19E-04	1.97E-03	3.22E-04	4.57E-08	4.04E-06	6.39E-06	3.33E-04	3.91E-04	1.06E-03	3.68E-04	2.19E-04	2.03E-03
3326	494363.09	3847877.25	0.00204	0.00142	0.0019	0.00303	3.34E-04	1.10E-03	3.76E-04	2.23E-04	2.03E-03	3.29E-04	4.77E-08	4.12E-06	6.52E-06	3.39E-04	3.99E-04	1.10E-03	3.76E-04	2.23E-04	2.10E-03
3327	494863.09	3847877.25	0.00212	0.00149	0.002	0.00312	3.47E-04	1.16E-03	3.88E-04	2.30E-04	2.12E-03	3.42E-04	5.01E-08	4.25E-06	6.72E-06	3.53E-04	4.15E-04	1.16E-03	3.88E-04	2.30E-04	2.19E-03
3328	495363.09	3847877.25	0.00221	0.00155	0.0022	0.00318	3.61E-04	1.20E-03	4.19E-04	2.34E-04	2.22E-03	3.56E-04	5.21E-08	4.59E-06	6.85E-06	3.68E-04	4.32E-04	1.20E-03	4.19E-04	2.34E-04	2.29E-03
3329	495863.09	3847877.25	0.00216	0.00152	0.0022	0.00322	3.53E-04	1.18E-03	4.34E-04	2.37E-04	2.20E-03	3.48E-04	5.11E-08	4.76E-06	6.93E-06	3.60E-04	4.23E-04	1.18E-03	4.34E-04	2.37E-04	2.27E-03
3330	496363.09	3847877.25	0.00256	0.00173	0.0027	0.00342	4.19E-04	1.34E-03	5.18E-04	2.52E-04	2.53E-03	4.12E-04	5.81E-08	5.68E-06	7.36E-06	4.26E-04	5.01E-04	1.34E-03	5.18E-04	2.52E-04	2.61E-03
3331	496863.09	3847877.25	0.00285	0.00186	0.003	0.00355	4.66E-04	1.44E-03	5.74E-04	2.61E-04	2.74E-03	4.59E-04	6.25E-08	6.29E-06	7.64E-06	4.73E-04	5.58E-04	1.44E-03	5.74E-04	2.61E-04	2.84E-03
3332	497363.09	3847877.25	0.0032	0.00204	0.0033	0.0037	5.23E-04	1.58E-03	6.30E-04	2.72E-04	3.01E-03	5.16E-04	6.85E-08	6.91E-06	7.97E-06	5.31E-04	6.26E-04	1.58E-03	6.30E-04	2.72E-04	3.11E-03
3333	497863.09	3847877.25	0.00383	0.00235	0.0037	0.00389	6.26E-04	1.82E-03	7.21E-04	2.86E-04	3.46E-03	6.17E-04	7.89E-08	7.91E-06	8.37E-06	6.33E-04	7.49E-04	1.82E-03	7.21E-04	2.86E-04	3.58E-03
3334	498363.09	3847877.25	0.00421	0.00251	0.004	0.00404	6.89E-04	1.95E-03	7.68E-04	2.97E-04	3.70E-03	6.78E-04	8.43E-08	8.42E-06	8.70E-06	6.96E-04	8.24E-04	1.95E-03	7.68E-04	2.97E-04	3.84E-03
3335	471363.09	3848377.25	0.00615	0.00412	0.0015	0.00198	1.01E-03	3.20E-03	2.83E-04	1.46E-04	4.63E-03	9.91E-04	1.38E-07	3.10E-06	4.26E-06	9.98E-04	1.20E-03	3.20E-03	2.83E-04	1.46E-04	4.83E-03
3336	471863.09	3848377.25	0.00652	0.00414	0.0015	0.002	1.07E-03	3.21E-03	2.95E-04	1.47E-04	4.72E-03	1.05E-03	1.39E-07	3.23E-06	4.31E-06	1.06E-03	1.28E-03	3.21E-03	2.95E-04	1.47E-04	4.93E-03
3337	472363.09	3848377.25	0.00657	0.00416	0.0015	0.00202	1.07E-03	3.23E-03	2.99E-04	1.49E-04	4.75E-03	1.06E-03	1.40E-07	3.27E-06	4.35E-06	1.07E-03	1.29E-03	3.23E-03	2.99E-04	1.49E-04	4.96E-03
3338	472863.09	3848377.25	0.00659	0.00425	0.0015	0.00205	1.08E-03	3.30E-03	2.97E-04	1.51E-04	4.82E-03	1.06E-03	1.43E-07	3.25E-06	4.41E-06	1.07E-03	1.29E-03	3.30E-03	2.97E-04	1.51E-04	5.03E-03
3339	473363.09	3848377.25	0.00666	0.00419	0.0015	0.00207	1.09E-03	3.25E-03	2.91E-04	1.52E-04	4.78E-03	1.07E-03	1.41E-07	3.19E-06	4.46E-06	1.08E-03	1.30E-03	3.25E-03	2.91E-04	1.52E-04	5.00E-03
3340	473863.09	3848377.25	0.00668	0.00407	0.0015	0.00209	1.09E-03	3.16E-03	2.85E-04	1.54E-04	4.69E-03	1.08E-03	1.37E-07	3.13E-06	4.50E-06	1.08E-03	1.31E-03	3.16E-03	2.85E-04	1.54E-04	4.90E-03
3341	474363.09	3848377.25	0.00653	0.00375	0.0015	0.0021	1.07E-03	2.91E-03	2.85E-04	1.55E-04	4.42E-03	1.05E-03	1.26E-07	3.13E-06	4.52E-06	1.06E-03	1.28E-03	2.91E-03	2.85E-04	1.55E-04	4.63E-03
3342	474863.09	3848377.25	0.00604	0.00318	0.0015	0.00207	9.88E-04	2.47E-03	2.91E-04	1.52E-04	3.90E-03	9.73E-04	1.07E-07	3.19E-06	4.46E-06	9.81E-04	1.18E-03	2.47E-03	2.91E-04	1.52E-04	4.09E-03
3343	475363.09	3848377.25	0.00626	0.00385	0.0016	0.00206	1.02E-03	2.99E-03	3.02E-04	1.52E-04	4.46E-03	1.01E-03	1.29E-07	3.32E-06	4.43E-06	1.02E-03	1.22E-03	2.99E-03	3.02E-04	1.52E-04	4.67E-03
3344	475863.09	3848377.25	0.00578	0.0039	0.0016	0.00202	9.45E-04	3.03E-03	3.10E-04	1.49E-04	4.43E-03	9.31E-04	1.31E-07	3.40E-06	4.35E-06	9.39E-04	1.13E-03	3.03E-03	3.10E-04	1.49E-04	4.62E-03
3345	476363.09	3848377.25	0.005	0.00384	0.0016	0.002	8.18E-04	2.98E-03	3.12E-04	1.47E-04	4.26E-03	8.06E-04	1.29E-07	3.42E-06	4.31E-06	8.14E-04	9.78E-04	2.98E-03	3.12E-04	1.47E-04	4.42E-03
3346	476863.09	3848377.25	0.00597	0.0052	0.0016	0.00211	9.76E-04	4.03E-03	3.14E-04	1.55E-04	5.48E-03	9.62E-04	1.75E-07	3.44E-06	4.54E-06	9.70E-04	1.17E-03	4.03E-03	3.14E-04	1.55E-04	5.67E-03
3347	477363.09	3848377.25	0.00708	0.00467	0.0016	0.00223	1.16E-03	3.62E-03	3.10E-04	1.64E-04	5.25E-03	1.14E-03	1.57E-07	3.40E-06	4.80E-06	1.15E-03	1.39E-03	3.62E-03	3.10E-04	1.64E-04	5.48E-03
3348	477863.09	3848377.25	0.00955	0.00445	0.0016	0.00228	1.56E-03	3.45E-03	3.04E-04	1.68E-04	5.49E-03	1.54E-03	1.49E-07	3.34E-06	4.91E-06	1.55E-03	1.87E-03	3.45E-03	3.04E-04	1.68E-04	5.79E-03
3349	478363.09	3848377.25	0.00981	0.00376	0.0016	0.00228	1.60E-03	2.92E-03	3.06E-04	1.68E-04	5.00E-03	1.58E-03	1.26E-07	3.36E-06	4.91E-06	1.59E-03	1.92E-03	2.92E-03	3.06E-04	1.68E-04	5.31E-03
3350	478863.09	3848377.25	0.00881	0.00322	0.0018	0.00245	1.44E-03	2.50E-03	3.47E-04	1.80E-04	4.47E-03	1.42E-03	1.08E-07	3.81E-06	5.27E-06	1.43E-03	1.72E-03	2.50E-03	3.47E-04	1.80E-04	4.75E-03
3351	479363.09	3848377.25	0.00546	0.0025	0.002	0.0023	8.93E-04	1.94E-03	3.94E-04	1.69E-04	3.40E-03	8.80E-04	8.40E-08	4.32E-06	4.95E-06	8.89E-04	1.07E-03	1.94E-03	3.94E-04	1.69E-04	3.57E-03

3352	479863.09	3848377.25	0.00208	0.00138	0.0016	0.00211	3.40E-04	1.07E-03	3.04E-04	1.55E-04	1.87E-03	3.35E-04	4.64E-08	3.34E-06	4.54E-06	3.43E-04	4.07E-04	1.07E-03	3.04E-04	1.55E-04	1.94E-03
3353	480363.09	3848377.25	0.00276	0.00164	0.0017	0.0022	4.51E-04	1.27E-03	3.35E-04	1.62E-04	2.22E-03	4.45E-04	5.51E-08	3.68E-06	4.74E-06	4.53E-04	5.40E-04	1.27E-03	3.35E-04	1.62E-04	2.31E-03
3354	480863.09	3848377.25	0.0036	0.00196	0.0019	0.00232	5.89E-04	1.52E-03	3.68E-04	1.71E-04	2.65E-03	5.80E-04	6.58E-08	4.04E-06	4.99E-06	5.89E-04	7.04E-04	1.52E-03	3.68E-04	1.71E-04	2.76E-03
3355	481363.09	3848377.25	0.00378	0.00197	0.0018	0.00243	6.18E-04	1.53E-03	3.57E-04	1.79E-04	2.68E-03	6.09E-04	6.62E-08	3.91E-06	5.23E-06	6.18E-04	7.40E-04	1.53E-03	3.57E-04	1.79E-04	2.80E-03
3356	481863.09	3848377.25	0.00377	0.00199	0.0019	0.00252	6.17E-04	1.54E-03	3.72E-04	1.86E-04	2.72E-03	6.07E-04	6.68E-08	4.08E-06	5.42E-06	6.17E-04	7.38E-04	1.54E-03	3.72E-04	1.86E-04	2.84E-03
3357	482363.09	3848377.25	0.00356	0.00197	0.002	0.00249	5.82E-04	1.53E-03	3.88E-04	1.83E-04	2.68E-03	5.74E-04	6.62E-08	4.25E-06	5.36E-06	5.83E-04	6.97E-04	1.53E-03	3.88E-04	1.83E-04	2.80E-03
3358	482863.09	3848377.25	0.00301	0.00177	0.002	0.00242	4.92E-04	1.37E-03	3.94E-04	1.78E-04	2.44E-03	4.85E-04	5.95E-08	4.32E-06	5.21E-06	4.95E-04	5.89E-04	1.37E-03	3.94E-04	1.78E-04	2.53E-03
3359	483363.09	3848377.25	0.00293	0.00173	0.0022	0.00241	4.79E-04	1.34E-03	4.21E-04	1.77E-04	2.42E-03	4.72E-04	5.81E-08	4.61E-06	5.19E-06	4.82E-04	5.73E-04	1.34E-03	4.21E-04	1.77E-04	2.51E-03
3360	483863.09	3848377.25	0.0028	0.00161	0.0024	0.00244	4.58E-04	1.25E-03	4.58E-04	1.80E-04	2.34E-03	4.51E-04	5.41E-08	5.02E-06	5.25E-06	4.61E-04	5.48E-04	1.25E-03	4.58E-04	1.80E-04	2.43E-03
3361	484363.09	3848377.25	0.00267	0.00158	0.0027	0.00249	4.37E-04	1.23E-03	5.20E-04	1.83E-04	2.37E-03	4.30E-04	5.31E-08	5.70E-06	5.36E-06	4.41E-04	5.22E-04	1.23E-03	5.20E-04	1.83E-04	2.45E-03
3362	484863.09	3848377.25	0.0028	0.00166	0.0031	0.00254	4.58E-04	1.29E-03	6.09E-04	1.87E-04	2.54E-03	4.51E-04	5.58E-08	6.68E-06	5.47E-06	4.63E-04	5.48E-04	1.29E-03	6.09E-04	1.87E-04	2.63E-03
3363	485363.09	3848377.25	0.00272	0.00162	0.0033	0.00253	4.45E-04	1.26E-03	6.38E-04	1.86E-04	2.53E-03	4.38E-04	5.44E-08	7.00E-06	5.45E-06	4.51E-04	5.32E-04	1.26E-03	6.38E-04	1.86E-04	2.61E-03
3364	485863.09	3848377.25	0.00248	0.00155	0.0031	0.00249	4.06E-04	1.20E-03	5.91E-04	1.83E-04	2.38E-03	4.00E-04	5.21E-08	6.48E-06	5.36E-06	4.12E-04	4.85E-04	1.20E-03	5.91E-04	1.83E-04	2.46E-03
3365	486363.09	3848377.25	0.00225	0.00152	0.0025	0.00245	3.68E-04	1.18E-03	4.85E-04	1.80E-04	2.21E-03	3.63E-04	5.11E-08	5.32E-06	5.27E-06	3.73E-04	4.40E-04	1.18E-03	4.85E-04	1.80E-04	2.28E-03
3366	486863.09	3848377.25	0.00217	0.00149	0.0021	0.00243	3.55E-04	1.16E-03	4.15E-04	1.79E-04	2.10E-03	3.50E-04	5.01E-08	4.55E-06	5.23E-06	3.59E-04	4.25E-04	1.16E-03	4.15E-04	1.79E-04	2.17E-03
3367	487363.09	3848377.25	0.00196	0.00137	0.0019	0.00243	3.21E-04	1.06E-03	3.74E-04	1.79E-04	1.94E-03	3.16E-04	4.60E-08	4.10E-06	5.23E-06	3.25E-04	3.84E-04	1.06E-03	3.74E-04	1.79E-04	2.00E-03
3368	487863.09	3848377.25	0.00189	0.00133	0.0019	0.00245	3.09E-04	1.03E-03	3.70E-04	1.80E-04	1.89E-03	3.05E-04	4.47E-08	4.06E-06	5.27E-06	3.14E-04	3.70E-04	1.03E-03	3.70E-04	1.80E-04	1.95E-03
3369	488363.09	3848377.25	0.00185	0.00134	0.0021	0.00248	3.03E-04	1.04E-03	4.13E-04	1.83E-04	1.94E-03	2.98E-04	4.50E-08	4.53E-06	5.34E-06	3.08E-04	3.62E-04	1.04E-03	4.13E-04	1.83E-04	2.00E-03
3370	488863.09	3848377.25	0.00185	0.00134	0.0024	0.00252	3.03E-04	1.04E-03	4.71E-04	1.86E-04	2.00E-03	2.98E-04	4.50E-08	5.17E-06	5.42E-06	3.09E-04	3.62E-04	1.04E-03	4.71E-04	1.86E-04	2.06E-03
3371	489363.09	3848377.25	0.00187	0.00136	0.0026	0.00257	3.06E-04	1.05E-03	5.10E-04	1.89E-04	2.06E-03	3.01E-04	4.57E-08	5.59E-06	5.53E-06	3.12E-04	3.66E-04	1.06E-03	5.10E-04	1.89E-04	2.12E-03
3372	489863.09	3848377.25	0.00195	0.00144	0.0026	0.00265	3.19E-04	1.12E-03	5.06E-04	1.95E-04	2.14E-03	3.14E-04	4.84E-08	5.55E-06	5.70E-06	3.26E-04	3.82E-04	1.12E-03	5.06E-04	1.95E-04	2.20E-03
3373	490363.09	3848377.25	0.00202	0.00144	0.0025	0.00273	3.30E-04	1.12E-03	4.75E-04	2.01E-04	2.12E-03	3.25E-04	4.84E-08	5.21E-06	5.88E-06	3.37E-04	3.95E-04	1.12E-03	4.75E-04	2.01E-04	2.19E-03
3374	490863.09	3848377.25	0.00202	0.00143	0.0024	0.0028	3.30E-04	1.11E-03	4.60E-04	2.06E-04	2.11E-03	3.25E-04	4.80E-08	5.04E-06	6.03E-06	3.37E-04	3.95E-04	1.11E-03	4.60E-04	2.06E-04	2.17E-03
3375	491363.09	3848377.25	0.00206	0.00145	0.0024	0.00289	3.37E-04	1.12E-03	4.67E-04	2.13E-04	2.14E-03	3.32E-04	4.87E-08	5.12E-06	6.22E-06	3.43E-04	4.03E-04	1.12E-03	4.67E-04	2.13E-04	2.21E-03
3376	491863.09	3848377.25	0.00212	0.00147	0.0024	0.003	3.47E-04	1.14E-03	4.58E-04	2.21E-04	2.17E-03	3.42E-04	4.94E-08	5.02E-06	6.46E-06	3.53E-04	4.15E-04	1.14E-03	4.58E-04	2.21E-04	2.23E-03
3377	492363.09	3848377.25	0.00212	0.00145	0.0022	0.00308	3.47E-04	1.12E-03	4.32E-04	2.27E-04	2.13E-03	3.42E-04	4.87E-08	4.74E-06	6.63E-06	3.53E-04	4.15E-04	1.12E-03	4.32E-04	2.27E-04	2.20E-03
3378	492863.09	3848377.25	0.00209	0.00143	0.0021	0.00309	3.42E-04	1.11E-03	4.03E-04	2.27E-04	2.08E-03	3.37E-04	4.80E-08	4.42E-06	6.65E-06	3.48E-04	4.09E-04	1.11E-03	4.03E-04	2.27E-04	2.15E-03
3379	493363.09	3848377.25	0.00213	0.00145	0.002	0.00315	3.48E-04	1.12E-03	3.80E-04	2.32E-04	2.09E-03	3.43E-04	4.87E-08	4.17E-06	6.78E-06	3.54E-04	4.17E-04	1.12E-03	3.80E-04	2.32E-04	2.15E-03
3380	493863.09	3848377.25	0.00216	0.00149	0.002	0.00319	3.53E-04	1.16E-03	3.88E-04	2.35E-04	2.13E-03	3.48E-04	5.01E-08	4.25E-06	6.87E-06	3.59E-04	4.23E-04	1.16E-03	3.88E-04	2.35E-04	2.20E-03
3381	494363.09	3848377.25	0.00221	0.00155	0.002	0.00326	3.61E-04	1.20E-03	3.88E-04	2.40E-04	2.19E-03	3.56E-04	5.21E-08	4.25E-06	7.02E-06	3.67E-04	4.32E-04	1.20E-03	3.88E-04	2.40E-04	2.26E-03
3382	494863.09	3848377.25	0.00236	0.00164	0.0021	0.00338	3.86E-04	1.27E-03	4.11E-04	2.49E-04	2.32E-03	3.80E-04	5.51E-08	4.51E-06	7.28E-06	3.92E-04	4.62E-04	1.27E-03	4.11E-04	2.49E-04	2.39E-03
3383	495363.09	3848377.25	0.00239	0.00165	0.0023	0.00345	3.91E-04	1.28E-03	4.48E-04	2.54E-04	2.37E-03	3.85E-04	5.54E-08	4.91E-06	7.43E-06	3.97E-04	4.68E-04	1.28E-03	4.48E-04	2.54E-04	2.45E-03
3384	495863.09	3848377.25	0.00253	0.00171	0.0026	0.00354	4.14E-04	1.33E-03	4.94E-04	2.61E-04	2.50E-03	4.08E-04	5.74E-08	5.42E-06	7.62E-06	4.21E-04	4.95E-04	1.33E-03	4.94E-04	2.61E-04	2.58E-03
3385	496363.09	3848377.25	0.00284	0.00187	0.0029	0.00371	4.65E-04	1.45E-03	5.60E-04	2.73E-04	2.75E-03	4.58E-04	6.28E-08	6.14E-06	7.99E-06	4.72E-04	5.56E-04	1.45E-03	5.60E-04	2.73E-04	2.84E-03
3386	496863.09	3848377.25	0.00297	0.00195	0.0031	0.00381	4.86E-04	1.51E-03	6.03E-04	2.81E-04	2.88E-03	4.79E-04	6.55E-08	6.61E-06	8.20E-06	4.93E-04	5.81E-04	1.51E-03	6.03E-04	2.81E-04	2.98E-03
3387	497363.09	3848377.25	0.00344	0.00218	0.0035	0.004	5.63E-04	1.69E-03	6.73E-04	2.94E-04	3.22E-03	5.54E-04	7.32E-08	7.38E-06	8.61E-06	5.70E-04	6.73E-04	1.69E-03	6.73E-04	2.94E-04	3.33E-03
3388	497863.09	3848377.25	0.00466	0.00272	0.0041	0.0043	7.62E-04	2.11E-03	7.97E-04	3.17E-04	3.99E-03	7.51E-04	9.14E-08	8.74E-06	9.26E-06	7.69E-04	9.12E-04	2.11E-03	7.97E-04	3.17E-04	4.14E-03
3389	498363.09	3848377.25	0.00502	0.00285	0.0042	0.00442	8.21E-04	2.21E-03	8.07E-04	3.25E-04	4.16E-03	8.09E-04	9.57E-08	8.84E-06	9.52E-06	8.27E-04	9.82E-04	2.21E-03	8.07E-04	3.25E-04	4.33E-03
3390	471363.09	3848877.25	0.00562	0.00438	0.0014	0.00206	9.19E-04	3.40E-03	2.73E-04	1.52E-04	4.74E-03	9.06E-04	1.47E-07	3.00E-06	4.43E-06	9.13E-04	1.10E-03	3.40E-03	2.73E-04	1.52E-04	4.92E-03
3391	471863.09	3848877.25	0.00624	0.00453	0.0015	0.00208	1.02E-03	3.51E-03	2.85E-04	1.53E-04	4.97E-03	1.01E-03	1.52E-07	3.13E-06	4.48E-06	1.01E-03	1.22E-03	3.51E-03	2.85E-04	1.53E-04	5.17E-03
3392	472363.09	3848877.25	0.00687	0.00456	0.0015	0.0021	1.12E-03	3.54E-03	2.99E-04	1.55E-04	5.11E-03	1.11E-03	1.53E-07	3.27E-06	4.52E-06	1.11E-03	1.34E-03	3.54E-03	2.99E-04	1.55E-04	5.33E-03
3393	472863.09	3848877.25	0.00724	0.00456	0.0016	0.00212	1.18E-03	3.54E-03	3.08E-04	1.56E-04	5.19E-03	1.17E-03	1.53E-07	3.38E-06	4.56E-06	1.17E-03	1.42E-03	3.54E-03	3.08E-04	1.56E-04	5.42E-03
3394	473363.09	3848877.25	0.00734	0.00468	0.0016	0.00215	1.20E-03	3.63E-03	3.10E-04	1.58E-04	5.30E-03	1.18E-03	1.57E-07	3.40E-06	4.63E-06	1.19E-03	1.44E-03	3.63E-03	3.10E-04	1.58E-04	5.54E-03
3395	473863.09	3848877.25	0.00738	0.00465	0.0016	0.00218	1.21E-03	3.61E-03	3.06E-04	1.61E-04	5.28E-03	1.19E-03	1.56E-07	3.36E-06	4.69E-06	1.20E-03	1.44E-03	3.61E-03	3.06E-04	1.61E-04	5.52E-03
3396	474363.09	3848877.25	0.00745	0.00457	0.0016	0.0022	1.22E-03	3.54E-03	3.01E-04	1.62E-04	5.23E-03	1.20E-03	1.54E-07	3.30E-06	4.74E-06	1.21E-03	1.46E-03	3.55E-03	3.01E-04	1.62E-04	5.47E-03
3397	474863.09	3848877.25	0.00727	0.00405	0.0016	0.00221	1.19E-03	3.14E-03	3.01E-04	1.63E-04	4.79E-03	1.17E-03	1.36E-07	3.30E-06	4.76E-06	1.18E-03	1.42E-03	3.14E-03	3.01E-04	1.63E-04	5.03E-03
3398	475363.09	3848877.25	0.00708	0.00387	0.0016	0.0022	1.16E-03	3.00E-03	3.02E-04	1.62E-04	4.62E-03	1.14E-03	1.30E-07	3.32E-06	4.74E-06	1.15E-03	1.39E-03	3.00E-03	3.02E-04	1.62E-04	4.85E-03
3399	475863.09	3848877.25	0.00716	0.00447	0.0016	0.00218	1.17E-03	3.47E-03	3.12E-04	1.61E-04	5.11E-03	1.15E-03	1.50E-07	3.42E-06	4.69E-06	1.16E-03	1.40E-03	3.47E-03	3.12E-04	1.61E-04	5.34E-03
3400	476363.09	3848877.25	0.00684	0.00478	0.0017	0.00215	1.12E-03	3.71E-03	3.24E-04	1.58E-04	5.31E-03	1.10E-03	1.61E-07	3.55E-06	4.63E-06	1.11E-03	1.34E-03	3.71E-03	3.24E-04	1.58E-04	5.53E-03
3401	476863.09	3848877.25	0.00618	0.00487	0.0017	0.00215	1.01E-03	3.78E-03	3.30E-04	1.58E-04	5.28E-03	9.96E-04	1.64E-07	3.61E-06	4.63E-06	1.00E-03	1.21E-03	3.78E-03	3.30E-04	1.58E-04	5.48E-03
3402	477363.09	3848877.25	0.00673	0.00618	0.0017	0.00223	1.10E-03	4.79E-03	3.30E-04	1.64E-04	6.39E-03	1.08E-03	2.08E-07	3.61E-06	4.80E-06	1.09E-03	1.32E-03	4.79E-03	3.30E-04	1.64E-04	6.60E-03
3403	477863.09	3848877.25	0.00801	0.00538	0.0017	0.00237	1.31E-03	4.17E-03	3.24E-04	1.74E-04	5.98E-03	1.29E-03	1.81E-07	3.55E-06	5.10E-06	1.30E-03	1.57E-03	4.17E-03	3.24E-04	1.74E-04	6.24E-03
3404	478363.09	3848877.25	0.01085	0.00504	0.0017	0.00241	1.77E-03	3.91E-03	3.20E-04	1.77E-04	6.18E-03	1.75E-03	1.69E-07	3.51E-06	5.19E-06	1.76E-03	2.12E-03	3.91E-03	3.20E-04	1.77E-04	6.53E-03
3405	478863.09	3848877.25	0.01099	0.00401	0.0017	0.00254	1.80E-03	3.11E-03	3.32E-04	1.87E-04	5.43E-03	1.77E-03	1.35E-07	3.64E-06	5.47E-06	1.78E-03	2.15E-03	3.11E-03	3.32E-04	1.87E-04	5.78E-03
3406	479363.09	3848877.25	0.00919	0.0033	0.0019	0.00264	1.50E-03	2.56E-03	3.66E-04	1.94E-04	4.62E-03	1.48E-03	1.11E-07	4.02E-06	5.68E-06	1.49E-03	1.80E-03	2.56E-03	3.66E-04	1.94E-04	4.92E-03
3407	479863.09	3848877.25	0.00586	0.0027	0.0022	0.00247	9.58E-04	2.09E-03	4.32E-04	1.82E-04	3.67E-03	9.44E-04	9.07E-08	4.74E-06	5.32E-06	9.54E-04	1.15E-03	2.09E-03	4.32E-04	1.82E-04	3.86E-03
3408	480363.09	3848877.25	0.00575	0.00258	0.0027	0.00246	9.40E-04	2.00E-03	5.29E-04	1.81E-04	3.65E-03	9.27E-04	8.67E-08	5.80E-06	5.30E-06	9.38E-04	1.13E-03	2.00E-03	5.29E-04	1.81E-04	3.84E-03
3409	480863.09	3848877.25	0.00578	0.00261	0.0026	0.00253	9.45E-04	2.02E-03	5.02E-04	1.86E-04	3.66E-03	9.31E-04	8.77E-08	5.51E-06	5.45E-06	9.42E-04	1.13E-03	2.02E-03	5.02E-04	1.86E-04	3.84E-03
3410	481363.09	3848877.25	0.00514	0.00249	0.002	0.00264	8.41E-04	1.93E-03	3.96E-04	1.94E-04	3.36E-03	8.28E-04	8.36E-08	4.34E-06	5.68E-06	8.38E-04	1.01E-03	1.93E-03	3.96E-04	1.94E-04	3.53E-03
3411	481863.09	3848877.25	0.00459	0.00224	0.002	0.00265	7.51E-04	1.74E-03	3.86E-04	1.95E-04	3.07E-03	7.40E-04	7.52E-08	4.23E-06	5.70E-06	7.50E-04	8.98E-04	1.74E-03	3.86E-04	1.95E-04	3.22E-03
3412	482363.09	3848877.25	0.00356	0.002	0.002	0.0026	5.82E-04	1.55E-03	3.78E-04	1.91E-04	2.70E-03	5.74E-04	6.72E-08	4.15E-06	5.60E-06	5.83E-04	6.97E-04	1.55E-03	3.78E-04	1.91E-04	2.82E-03

3413	482863.09	3848877.25	0.00293	0.00178	0.002	0.00254	4.79E-04	1.38E-03	3.84E-04	1.87E-04	2.43E-03	4.72E-04	5.98E-08	4.21E-06	5.47E-06	4.82E-04	5.73E-04	1.38E-03	3.84E-04	1.87E-04	2.53E-03
3414	483363.09	3848877.25	0.00262	0.00166	0.0021	0.00251	4.29E-04	1.29E-03	4.15E-04	1.85E-04	2.32E-03	4.22E-04	5.58E-08	4.55E-06	5.40E-06	4.32E-04	5.13E-04	1.29E-03	4.15E-04	1.85E-04	2.40E-03
3415	483863.09	3848877.25	0.00265	0.0016	0.0024	0.00254	4.33E-04	1.24E-03	4.56E-04	1.87E-04	2.32E-03	4.27E-04	5.37E-08	5.00E-06	5.47E-06	4.38E-04	5.19E-04	1.24E-03	4.56E-04	1.87E-04	2.40E-03
3416	484363.09	3848877.25	0.00303	0.00171	0.0027	0.00262	4.96E-04	1.33E-03	5.18E-04	1.93E-04	2.53E-03	4.88E-04	5.74E-08	5.68E-06	5.64E-06	5.00E-04	5.93E-04	1.33E-03	5.18E-04	1.93E-04	2.63E-03
3417	484863.09	3848877.25	0.00339	0.00188	0.0032	0.00273	5.54E-04	1.46E-03	6.15E-04	2.01E-04	2.83E-03	5.46E-04	6.32E-08	6.74E-06	5.88E-06	5.59E-04	6.63E-04	1.46E-03	6.15E-04	2.01E-04	2.94E-03
3418	485363.09	3848877.25	0.00325	0.00185	0.0035	0.00273	5.32E-04	1.44E-03	6.86E-04	2.01E-04	2.85E-03	5.24E-04	6.21E-08	7.53E-06	5.88E-06	5.37E-04	6.36E-04	1.44E-03	6.86E-04	2.01E-04	2.96E-03
3419	485863.09	3848877.25	0.0029	0.00173	0.0034	0.00269	4.74E-04	1.34E-03	6.53E-04	1.98E-04	2.67E-03	4.67E-04	5.81E-08	7.17E-06	5.79E-06	4.80E-04	5.67E-04	1.34E-03	6.53E-04	1.98E-04	2.76E-03
3420	486363.09	3848877.25	0.00255	0.00166	0.0028	0.00262	4.17E-04	1.29E-03	5.35E-04	1.93E-04	2.43E-03	4.11E-04	5.58E-08	5.87E-06	5.64E-06	4.22E-04	4.99E-04	1.29E-03	5.35E-04	1.93E-04	2.51E-03
3421	486863.09	3848877.25	0.0024	0.0016	0.0023	0.00259	3.93E-04	1.24E-03	4.48E-04	1.91E-04	2.27E-03	3.87E-04	5.37E-08	4.91E-06	5.58E-06	3.97E-04	4.70E-04	1.24E-03	4.48E-04	1.91E-04	2.35E-03
3422	487363.09	3848877.25	0.00232	0.00155	0.0021	0.0026	3.79E-04	1.20E-03	4.03E-04	1.91E-04	2.18E-03	3.74E-04	5.21E-08	4.42E-06	5.60E-06	3.84E-04	4.54E-04	1.20E-03	4.03E-04	1.91E-04	2.25E-03
3423	487863.09	3848877.25	0.00218	0.00149	0.002	0.00263	3.57E-04	1.16E-03	3.94E-04	1.94E-04	2.10E-03	3.51E-04	5.01E-08	4.32E-06	5.66E-06	3.61E-04	4.27E-04	1.16E-03	3.94E-04	1.94E-04	2.17E-03
3424	488363.09	3848877.25	0.00217	0.00151	0.0023	0.00267	3.55E-04	1.17E-03	4.38E-04	1.97E-04	2.16E-03	3.50E-04	5.07E-08	4.81E-06	5.75E-06	3.60E-04	4.25E-04	1.17E-03	4.38E-04	1.97E-04	2.23E-03
3425	488863.09	3848877.25	0.00216	0.0015	0.0026	0.00272	3.53E-04	1.16E-03	5.04E-04	2.00E-04	2.22E-03	3.48E-04	5.04E-08	5.53E-06	5.86E-06	3.59E-04	4.23E-04	1.16E-03	5.04E-04	2.00E-04	2.29E-03
3426	489363.09	3848877.25	0.00221	0.00155	0.0029	0.0028	3.61E-04	1.20E-03	5.53E-04	2.06E-04	2.32E-03	3.56E-04	5.21E-08	6.06E-06	6.03E-06	3.68E-04	4.32E-04	1.20E-03	5.53E-04	2.06E-04	2.39E-03
3427	489863.09	3848877.25	0.00234	0.00162	0.0029	0.0029	3.83E-04	1.26E-03	5.55E-04	2.14E-04	2.41E-03	3.77E-04	5.44E-08	6.08E-06	6.24E-06	3.89E-04	4.58E-04	1.26E-03	5.55E-04	2.14E-04	2.48E-03
3428	490363.09	3848877.25	0.00233	0.00159	0.0026	0.00299	3.81E-04	1.23E-03	5.06E-04	2.20E-04	2.34E-03	3.75E-04	5.34E-08	5.55E-06	6.44E-06	3.87E-04	4.56E-04	1.23E-03	5.06E-04	2.20E-04	2.42E-03
3429	490863.09	3848877.25	0.00235	0.00158	0.0026	0.00308	3.84E-04	1.23E-03	4.98E-04	2.27E-04	2.34E-03	3.79E-04	5.31E-08	5.46E-06	6.63E-06	3.91E-04	4.60E-04	1.23E-03	4.98E-04	2.27E-04	2.41E-03
3430	491363.09	3848877.25	0.00239	0.00162	0.0026	0.0032	3.91E-04	1.26E-03	4.94E-04	2.36E-04	2.38E-03	3.85E-04	5.44E-08	5.42E-06	6.89E-06	3.97E-04	4.68E-04	1.26E-03	4.94E-04	2.36E-04	2.45E-03
3431	491863.09	3848877.25	0.00237	0.00161	0.0024	0.00328	3.88E-04	1.25E-03	4.71E-04	2.41E-04	2.35E-03	3.82E-04	5.41E-08	5.17E-06	7.06E-06	3.94E-04	4.64E-04	1.25E-03	4.71E-04	2.41E-04	2.43E-03
3432	492363.09	3848877.25	0.00234	0.00158	0.0023	0.00334	3.83E-04	1.23E-03	4.40E-04	2.46E-04	2.29E-03	3.77E-04	5.31E-08	4.83E-06	7.19E-06	3.89E-04	4.58E-04	1.23E-03	4.40E-04	2.46E-04	2.37E-03
3433	492863.09	3848877.25	0.00226	0.00154	0.0021	0.00335	3.70E-04	1.19E-03	3.99E-04	2.47E-04	2.21E-03	3.64E-04	5.17E-08	4.38E-06	7.21E-06	3.76E-04	4.42E-04	1.19E-03	3.99E-04	2.47E-04	2.28E-03
3434	493363.09	3848877.25	0.0022	0.00152	0.002	0.00336	3.60E-04	1.18E-03	3.86E-04	2.47E-04	2.17E-03	3.54E-04	5.11E-08	4.23E-06	7.23E-06	3.66E-04	4.30E-04	1.18E-03	3.86E-04	2.47E-04	2.24E-03
3435	493863.09	3848877.25	0.00234	0.00163	0.002	0.00348	3.83E-04	1.26E-03	3.94E-04	2.56E-04	2.30E-03	3.77E-04	5.48E-08	4.32E-06	7.49E-06	3.89E-04	4.58E-04	1.26E-03	3.94E-04	2.56E-04	2.37E-03
3436	494363.09	3848877.25	0.00247	0.00171	0.0021	0.00359	4.04E-04	1.33E-03	4.15E-04	2.64E-04	2.41E-03	3.98E-04	5.74E-08	4.55E-06	7.73E-06	4.10E-04	4.83E-04	1.33E-03	4.15E-04	2.64E-04	2.49E-03
3437	494863.09	3848877.25	0.00271	0.00183	0.0024	0.00373	4.43E-04	1.42E-03	4.63E-04	2.75E-04	2.60E-03	4.37E-04	6.15E-08	5.08E-06	8.03E-06	4.50E-04	5.30E-04	1.42E-03	4.63E-04	2.75E-04	2.69E-03
3438	495363.09	3848877.25	0.00293	0.00193	0.0027	0.00386	4.79E-04	1.50E-03	5.24E-04	2.84E-04	2.78E-03	4.72E-04	6.48E-08	5.74E-06	8.31E-06	4.86E-04	5.73E-04	1.50E-03	5.24E-04	2.84E-04	2.88E-03
3439	495863.09	3848877.25	0.00294	0.00192	0.0029	0.00391	4.81E-04	1.49E-03	5.53E-04	2.88E-04	2.81E-03	4.74E-04	6.45E-08	6.06E-06	8.42E-06	4.88E-04	5.75E-04	1.49E-03	5.53E-04	2.88E-04	2.91E-03
3440	496363.09	3848877.25	0.00317	0.00204	0.0031	0.00404	5.18E-04	1.58E-03	6.03E-04	2.97E-04	3.00E-03	5.11E-04	6.85E-08	6.61E-06	8.70E-06	5.26E-04	6.20E-04	1.58E-03	6.03E-04	2.97E-04	3.10E-03
3441	496863.09	3848877.25	0.00367	0.0023	0.0035	0.00424	6.00E-04	1.78E-03	6.83E-04	3.12E-04	3.38E-03	5.91E-04	7.73E-08	7.48E-06	9.13E-06	6.08E-04	7.18E-04	1.78E-03	6.83E-04	3.12E-04	3.50E-03
3442	497363.09	3848877.25	0.00473	0.00275	0.0042	0.00455	7.74E-04	2.13E-03	8.07E-04	3.35E-04	4.05E-03	7.62E-04	9.24E-08	8.84E-06	9.80E-06	7.81E-04	9.26E-04	2.13E-03	8.07E-04	3.35E-04	4.20E-03
3443	497863.09	3848877.25	0.00543	0.00303	0.0043	0.00472	8.88E-04	2.35E-03	8.40E-04	3.48E-04	4.43E-03	8.75E-04	1.02E-07	9.21E-06	1.02E-05	8.94E-04	1.06E-03	2.35E-03	8.40E-04	3.48E-04	4.60E-03
3444	498363.09	3848877.25	0.00608	0.00326	0.0043	0.00487	9.94E-04	2.53E-03	8.34E-04	3.59E-04	4.72E-03	9.80E-04	1.10E-07	9.14E-06	1.05E-05	9.99E-04	1.19E-03	2.53E-03	8.34E-04	3.59E-04	4.91E-03
3445	471363.09	3849377.25	0.00551	0.00448	0.0015	0.00215	9.01E-04	3.48E-03	2.81E-04	1.58E-04	4.82E-03	8.88E-04	1.50E-07	3.08E-06	4.63E-06	8.96E-04	1.08E-03	3.48E-03	2.81E-04	1.58E-04	4.99E-03
3446	471863.09	3849377.25	0.0059	0.00482	0.0014	0.00216	9.65E-04	3.74E-03	2.79E-04	1.59E-04	5.14E-03	9.51E-04	1.62E-07	3.06E-06	4.65E-06	9.59E-04	1.15E-03	3.74E-03	2.79E-04	1.59E-04	5.33E-03
3447	472363.09	3849377.25	0.00638	0.00497	0.0015	0.00219	1.04E-03	3.86E-03	2.89E-04	1.61E-04	5.35E-03	1.03E-03	1.67E-07	3.17E-06	4.71E-06	1.04E-03	1.25E-03	3.86E-03	2.89E-04	1.61E-04	5.55E-03
3448	472863.09	3849377.25	0.00705	0.00506	0.0016	0.00221	1.15E-03	3.93E-03	3.02E-04	1.63E-04	5.54E-03	1.14E-03	1.70E-07	3.32E-06	4.76E-06	1.14E-03	1.38E-03	3.93E-03	3.02E-04	1.63E-04	5.77E-03
3449	473363.09	3849377.25	0.00773	0.00506	0.0016	0.00224	1.26E-03	3.93E-03	3.16E-04	1.65E-04	5.67E-03	1.25E-03	1.70E-07	3.47E-06	4.82E-06	1.25E-03	1.51E-03	3.93E-03	3.16E-04	1.65E-04	5.92E-03
3450	473863.09	3849377.25	0.00812	0.00511	0.0017	0.00227	1.33E-03	3.96E-03	3.24E-04	1.67E-04	5.78E-03	1.31E-03	1.72E-07	3.55E-06	4.89E-06	1.32E-03	1.59E-03	3.96E-03	3.24E-04	1.67E-04	6.04E-03
3451	474363.09	3849377.25	0.00825	0.00515	0.0017	0.00229	1.35E-03	3.99E-03	3.24E-04	1.69E-04	5.84E-03	1.33E-03	1.73E-07	3.55E-06	4.93E-06	1.34E-03	1.61E-03	4.00E-03	3.24E-04	1.69E-04	6.10E-03
3452	474863.09	3849377.25	0.00833	0.00509	0.0017	0.00233	1.36E-03	3.95E-03	3.20E-04	1.72E-04	5.80E-03	1.34E-03	1.71E-07	3.51E-06	5.02E-06	1.35E-03	1.63E-03	3.95E-03	3.20E-04	1.72E-04	6.07E-03
3453	475363.09	3849377.25	0.00835	0.00487	0.0016	0.00234	1.37E-03	3.78E-03	3.14E-04	1.72E-04	5.63E-03	1.35E-03	1.64E-07	3.44E-06	5.04E-06	1.35E-03	1.63E-03	3.78E-03	3.14E-04	1.72E-04	5.90E-03
3454	475863.09	3849377.25	0.00834	0.00501	0.0016	0.00234	1.36E-03	3.89E-03	3.16E-04	1.72E-04	5.74E-03	1.34E-03	1.68E-07	3.47E-06	5.04E-06	1.35E-03	1.63E-03	3.89E-03	3.16E-04	1.72E-04	6.01E-03
3455	476363.09	3849377.25	0.0083	0.00569	0.0017	0.00232	1.36E-03	4.41E-03	3.24E-04	1.71E-04	6.27E-03	1.34E-03	1.91E-07	3.55E-06	4.99E-06	1.35E-03	1.62E-03	4.41E-03	3.24E-04	1.71E-04	6.53E-03
3456	476863.09	3849377.25	0.00813	0.0064	0.0017	0.00229	1.33E-03	4.96E-03	3.35E-04	1.69E-04	6.80E-03	1.31E-03	2.15E-07	3.68E-06	4.93E-06	1.32E-03	1.59E-03	4.96E-03	3.35E-04	1.69E-04	7.06E-03
3457	477363.09	3849377.25	0.00761	0.00667	0.0018	0.00229	1.24E-03	5.17E-03	3.43E-04	1.69E-04	6.93E-03	1.23E-03	2.24E-07	3.76E-06	4.93E-06	1.24E-03	1.49E-03	5.17E-03	3.43E-04	1.69E-04	7.18E-03
3458	477863.09	3849377.25	0.00737	0.00647	0.0018	0.00238	1.21E-03	5.02E-03	3.45E-04	1.75E-04	6.74E-03	1.19E-03	2.17E-07	3.78E-06	5.12E-06	1.20E-03	1.44E-03	5.02E-03	3.45E-04	1.75E-04	6.98E-03
3459	478363.09	3849377.25	0.00899	0.00613	0.0018	0.0025	1.47E-03	4.76E-03	3.41E-04	1.84E-04	6.75E-03	1.45E-03	2.06E-07	3.74E-06	5.38E-06	1.46E-03	1.76E-03	4.76E-03	3.41E-04	1.84E-04	7.04E-03
3460	478863.09	3849377.25	0.01189	0.00513	0.0017	0.00256	1.94E-03	3.98E-03	3.35E-04	1.88E-04	6.45E-03	1.92E-03	1.72E-07	3.68E-06	5.51E-06	1.93E-03	2.33E-03	3.98E-03	3.35E-04	1.88E-04	6.83E-03
3461	479363.09	3849377.25	0.01237	0.00434	0.0018	0.00277	2.02E-03	3.37E-03	3.49E-04	2.04E-04	5.94E-03	1.99E-03	1.46E-07	3.83E-06	5.96E-06	2.00E-03	2.42E-03	3.37E-03	3.49E-04	2.04E-04	6.34E-03
3462	479863.09	3849377.25	0.00984	0.00353	0.002	0.00288	1.61E-03	2.74E-03	3.92E-04	2.12E-04	4.95E-03	1.59E-03	1.19E-07	4.29E-06	6.20E-06	1.60E-03	1.93E-03	2.74E-03	3.92E-04	2.12E-04	5.27E-03
3463	480363.09	3849377.25	0.0084	0.00372	0.0027	0.00293	1.37E-03	2.89E-03	5.29E-04	2.16E-04	5.00E-03	1.35E-03	1.25E-07	5.80E-06	6.31E-06	1.37E-03	1.64E-03	2.89E-03	5.29E-04	2.16E-04	5.27E-03
3464	480863.09	3849377.25	0.00771	0.0033	0.0033	0.00276	1.26E-03	2.56E-03	6.34E-04	2.03E-04	4.66E-03	1.24E-03	1.11E-07	6.95E-06	5.94E-06	1.26E-03	1.51E-03	2.56E-03	6.34E-04	2.03E-04	4.91E-03
3465	481363.09	3849377.25	0.00617	0.00281	0.0024	0.00276	1.01E-03	2.18E-03	4.67E-04	2.03E-04	3.86E-03	9.94E-04	9.44E-08	5.12E-06	5.94E-06	1.01E-03	1.21E-03	2.18E-03	4.67E-04	2.03E-04	4.06E-03
3466	481863.09	3849377.25	0.00437	0.00224	0.002	0.00274	7.15E-04	1.74E-03	3.94E-04	2.02E-04	3.05E-03	7.04E-04	7.52E-08	4.32E-06	5.90E-06	7.14E-04	8.55E-04	1.74E-03	3.94E-04	2.02E-04	3.19E-03
3467	482363.09	3849377.25	0.0037	0.00207	0.002	0.00273	6.05E-04	1.61E-03	3.86E-04	2.01E-04	2.80E-03	5.96E-04	6.95E-08	4.23E-06	5.88E-06	6.06E-04	7.24E-04	1.61E-03	3.86E-04	2.01E-04	2.92E-03
3468	482863.09	3849377.25	0.00299	0.00182	0.002	0.00267	4.89E-04	1.41E-03	3.86E-04	1.97E-04	2.48E-03	4.82E-04	6.11E-08	4.23E-06	5.75E-06	4.92E-04	5.85E-04	1.41E-03	3.86E-04	1.97E-04	2.58E-03
3469	483363.09	3849377.25	0.00272	0.00171	0.0021	0.00264	4.45E-04	1.33E-03	4.11E-04	1.94E-04	2.38E-03	4.38E-04	5.74E-08	4.51E-06	5.68E-06	4.49E-04	5.32E-04	1.33E-03	4.11E-04	1.94E-04	2.46E-03
3470	483863.09	3849377.25	0.00244	0.00158	0.0023	0.00265	3.99E-04	1.23E-03	4.50E-04	1.95E-04	2.27E-03	3.93E-04	5.31E-08	4.93E-06	5.70E-06	4.04E-04	4.77E-04	1.23E-03	4.50E-04	1.95E-04	2.35E-03
3471	484363.09	3849377.25	0.00343	0.00187	0.0027	0.00278	5.61E-04	1.45E-03	5.18E-04	2.05E-04	2.73E-03	5.53E-04	6.28E-08	5.68E-06	5.98E-06	5.64E-04	6.71E-04	1.45E-03	5.18E-04	2.05E-04	2.84E-03
3472	484863.09	3849377.25	0.00407	0.00209	0.0032	0.00291	6.66E-04	1.62E-03	6.13E-04	2.14E-04	3.11E-03	6.56E-04	7.02E-08	6.72E-06	6.26E-06	6.69E-04	7.96E-04	1.62E-03	6.13E-04	2.14E-04	3.24E-03
3473	485363.09	3849377.25	0.00393	0.00209	0.0038	0.00294	6.43E-04	1.62E-03	7.29E-04	2.16E-04	3.21E-03	6.33E-04	7.02E-08	7.99E-06	6.33E-06	6.48E-04	7.69E-04	1.62E-03	7.29E-04	2.16E-04	3.34E-03

3474	485863.09	3849377.25	0.00283	0.00174	0.0035	0.00284	4.63E-04	1.35E-03	6.73E-04	2.09E-04	2.69E-03	4.56E-04	5.84E-08	7.38E-06	6.11E-06	4.70E-04	5.54E-04	1.35E-03	6.73E-04	2.09E-04	2.79E-03
3475	486363.09	3849377.25	0.00231	0.00158	0.0028	0.00274	3.78E-04	1.23E-03	5.45E-04	2.02E-04	2.35E-03	3.72E-04	5.31E-08	5.97E-06	5.90E-06	3.84E-04	4.52E-04	1.23E-03	5.45E-04	2.02E-04	2.42E-03
3476	486863.09	3849377.25	0.00273	0.00175	0.0025	0.00277	4.47E-04	1.36E-03	4.85E-04	2.04E-04	2.49E-03	4.40E-04	5.88E-08	5.32E-06	5.96E-06	4.51E-04	5.34E-04	1.36E-03	4.85E-04	2.04E-04	2.58E-03
3477	487363.09	3849377.25	0.00268	0.00175	0.0022	0.00281	4.38E-04	1.36E-03	4.34E-04	2.07E-04	2.44E-03	4.32E-04	5.88E-08	4.76E-06	6.05E-06	4.43E-04	5.24E-04	1.36E-03	4.34E-04	2.07E-04	2.52E-03
3478	487863.09	3849377.25	0.00261	0.00171	0.0022	0.00284	4.27E-04	1.33E-03	4.19E-04	2.09E-04	2.38E-03	4.21E-04	5.74E-08	4.59E-06	6.11E-06	4.31E-04	5.11E-04	1.33E-03	4.19E-04	2.09E-04	2.47E-03
3479	488363.09	3849377.25	0.00256	0.00172	0.0024	0.0029	4.19E-04	1.33E-03	4.65E-04	2.14E-04	2.43E-03	4.12E-04	5.78E-08	5.10E-06	6.24E-06	4.24E-04	5.01E-04	1.33E-03	4.65E-04	2.14E-04	2.51E-03
3480	488863.09	3849377.25	0.00264	0.00175	0.0028	0.00299	4.32E-04	1.36E-03	5.37E-04	2.20E-04	2.55E-03	4.25E-04	5.88E-08	5.89E-06	6.44E-06	4.38E-04	5.17E-04	1.36E-03	5.37E-04	2.20E-04	2.63E-03
3481	489363.09	3849377.25	0.00275	0.0018	0.003	0.00311	4.50E-04	1.40E-03	5.86E-04	2.29E-04	2.66E-03	4.43E-04	6.05E-08	6.42E-06	6.70E-06	4.56E-04	5.38E-04	1.40E-03	5.86E-04	2.29E-04	2.75E-03
3482	489863.09	3849377.25	0.0028	0.00182	0.003	0.00323	4.58E-04	1.41E-03	5.80E-04	2.38E-04	2.69E-03	4.51E-04	6.11E-08	6.36E-06	6.95E-06	4.65E-04	5.48E-04	1.41E-03	5.80E-04	2.38E-04	2.78E-03
3483	490363.09	3849377.25	0.00275	0.00178	0.0028	0.00332	4.50E-04	1.38E-03	5.37E-04	2.44E-04	2.61E-03	4.43E-04	5.98E-08	5.89E-06	7.15E-06	4.56E-04	5.38E-04	1.38E-03	5.37E-04	2.44E-04	2.70E-03
3484	490863.09	3849377.25	0.0028	0.00179	0.0029	0.00343	4.58E-04	1.39E-03	5.53E-04	2.53E-04	2.65E-03	4.51E-04	6.01E-08	6.06E-06	7.38E-06	4.65E-04	5.48E-04	1.39E-03	5.53E-04	2.53E-04	2.74E-03
3485	491363.09	3849377.25	0.00283	0.00185	0.0028	0.00353	4.63E-04	1.44E-03	5.47E-04	2.60E-04	2.70E-03	4.56E-04	6.21E-08	6.00E-06	7.60E-06	4.70E-04	5.54E-04	1.44E-03	5.47E-04	2.60E-04	2.80E-03
3486	491863.09	3849377.25	0.00278	0.00184	0.0025	0.00362	4.55E-04	1.43E-03	4.89E-04	2.67E-04	2.64E-03	4.48E-04	6.18E-08	5.36E-06	7.79E-06	4.61E-04	5.44E-04	1.43E-03	4.89E-04	2.67E-04	2.73E-03
3487	492363.09	3849377.25	0.00274	0.00181	0.0023	0.0037	4.48E-04	1.40E-03	4.54E-04	2.72E-04	2.58E-03	4.42E-04	6.08E-08	4.98E-06	7.97E-06	4.55E-04	5.36E-04	1.40E-03	4.54E-04	2.72E-04	2.67E-03
3488	492863.09	3849377.25	0.0026	0.00174	0.0022	0.0037	4.25E-04	1.35E-03	4.21E-04	2.72E-04	2.47E-03	4.19E-04	5.84E-08	4.61E-06	7.97E-06	4.32E-04	5.09E-04	1.35E-03	4.21E-04	2.72E-04	2.55E-03
3489	493363.09	3849377.25	0.00265	0.00179	0.0022	0.00376	4.33E-04	1.39E-03	4.17E-04	2.77E-04	2.52E-03	4.27E-04	6.01E-08	4.57E-06	8.09E-06	4.40E-04	5.19E-04	1.39E-03	4.17E-04	2.77E-04	2.60E-03
3490	493863.09	3849377.25	0.00277	0.00188	0.0022	0.00388	4.53E-04	1.46E-03	4.29E-04	2.86E-04	2.63E-03	4.46E-04	6.32E-08	4.70E-06	8.35E-06	4.59E-04	5.42E-04	1.46E-03	4.29E-04	2.86E-04	2.71E-03
3491	494363.09	3849377.25	0.00305	0.002	0.0025	0.00403	4.99E-04	1.55E-03	4.77E-04	2.97E-04	2.82E-03	4.91E-04	6.72E-08	5.23E-06	8.68E-06	5.05E-04	5.97E-04	1.55E-03	4.77E-04	2.97E-04	2.92E-03
3492	494863.09	3849377.25	0.00365	0.00226	0.003	0.00426	5.97E-04	1.75E-03	5.80E-04	3.14E-04	3.24E-03	5.88E-04	7.59E-08	6.36E-06	9.17E-06	6.04E-04	7.14E-04	1.75E-03	5.80E-04	3.14E-04	3.36E-03
3493	495363.09	3849377.25	0.00403	0.00243	0.0033	0.0044	6.59E-04	1.88E-03	6.48E-04	3.24E-04	3.52E-03	6.49E-04	8.16E-08	7.10E-06	9.47E-06	6.66E-04	7.89E-04	1.89E-03	6.48E-04	3.24E-04	3.65E-03
3494	495863.09	3849377.25	0.00355	0.00222	0.0032	0.00435	5.81E-04	1.72E-03	6.28E-04	3.20E-04	3.25E-03	5.72E-04	7.46E-08	6.89E-06	9.36E-06	5.88E-04	6.95E-04	1.72E-03	6.28E-04	3.20E-04	3.37E-03
3495	496363.09	3849377.25	0.00368	0.00229	0.0035	0.00444	6.02E-04	1.78E-03	6.75E-04	3.27E-04	3.38E-03	5.93E-04	7.69E-08	7.40E-06	9.56E-06	6.10E-04	7.20E-04	1.78E-03	6.75E-04	3.27E-04	3.50E-03
3496	496863.09	3849377.25	0.00494	0.00285	0.0042	0.00482	8.08E-04	2.21E-03	8.05E-04	3.55E-04	4.18E-03	7.96E-04	9.57E-08	8.82E-06	1.04E-05	8.15E-04	9.67E-04	2.21E-03	8.05E-04	3.55E-04	4.34E-03
3497	497363.09	3849377.25	0.00561	0.0031	0.0044	0.00501	9.18E-04	2.40E-03	8.59E-04	3.69E-04	4.55E-03	9.04E-04	1.04E-07	9.42E-06	1.08E-05	9.24E-04	1.10E-03	2.40E-03	8.59E-04	3.69E-04	4.73E-03
3498	497863.09	3849377.25	0.00744	0.00378	0.0047	0.0053	1.22E-03	2.93E-03	9.13E-04	3.90E-04	5.45E-03	1.20E-03	1.27E-07	1.00E-05	1.14E-05	1.22E-03	1.46E-03	2.93E-03	9.13E-04	3.90E-04	5.69E-03
3499	498363.09	3849377.25	0.00747	0.0038	0.0046	0.0054	1.22E-03	2.95E-03	8.96E-04	3.98E-04	5.46E-03	1.20E-03	1.28E-07	9.82E-06	1.16E-05	1.23E-03	1.46E-03	2.95E-03	8.96E-04	3.98E-04	5.70E-03
3500	471363.09	3849877.25	0.00507	0.00386	0.0016	0.00223	8.29E-04	2.99E-03	3.16E-04	1.64E-04	4.30E-03	8.17E-04	1.30E-07	3.47E-06	4.80E-06	8.25E-04	9.92E-04	2.99E-03	3.16E-04	1.64E-04	4.47E-03
3501	471863.09	3849877.25	0.00574	0.00462	0.0016	0.00226	9.39E-04	3.58E-03	3.02E-04	1.66E-04	4.99E-03	9.25E-04	1.55E-07	3.32E-06	4.87E-06	9.33E-04	1.12E-03	3.58E-03	3.02E-04	1.66E-04	5.18E-03
3502	472363.09	3849877.25	0.00625	0.0052	0.0015	0.00228	1.02E-03	4.03E-03	2.95E-04	1.68E-04	5.52E-03	1.01E-03	1.75E-07	3.23E-06	4.91E-06	1.02E-03	1.22E-03	4.03E-03	2.95E-04	1.68E-04	5.72E-03
3503	472863.09	3849877.25	0.0067	0.00548	0.0015	0.00231	1.10E-03	4.25E-03	2.97E-04	1.70E-04	5.81E-03	1.08E-03	1.84E-07	3.25E-06	4.97E-06	1.09E-03	1.31E-03	4.25E-03	2.97E-04	1.70E-04	6.03E-03
3504	473363.09	3849877.25	0.00726	0.00555	0.0016	0.00234	1.19E-03	4.31E-03	3.06E-04	1.72E-04	5.97E-03	1.17E-03	1.86E-07	3.36E-06	5.04E-06	1.18E-03	1.42E-03	4.31E-03	3.06E-04	1.72E-04	6.20E-03
3505	473863.09	3849877.25	0.00803	0.00565	0.0017	0.00237	1.31E-03	4.38E-03	3.20E-04	1.74E-04	6.19E-03	1.29E-03	1.90E-07	3.51E-06	5.10E-06	1.30E-03	1.57E-03	4.38E-03	3.20E-04	1.74E-04	6.45E-03
3506	474363.09	3849877.25	0.00876	0.00568	0.0017	0.0024	1.43E-03	4.41E-03	3.34E-04	1.77E-04	6.35E-03	1.41E-03	1.91E-07	3.66E-06	5.17E-06	1.42E-03	1.71E-03	4.41E-03	3.34E-04	1.77E-04	6.63E-03
3507	474863.09	3849877.25	0.00919	0.00573	0.0018	0.00243	1.50E-03	4.44E-03	3.39E-04	1.79E-04	6.47E-03	1.48E-03	1.92E-07	3.72E-06	5.23E-06	1.49E-03	1.80E-03	4.45E-03	3.39E-04	1.79E-04	6.76E-03
3508	475363.09	3849877.25	0.00936	0.0056	0.0017	0.00246	1.53E-03	4.34E-03	3.37E-04	1.81E-04	6.39E-03	1.51E-03	1.88E-07	3.70E-06	5.30E-06	1.52E-03	1.83E-03	4.34E-03	3.37E-04	1.81E-04	6.69E-03
3509	475863.09	3849877.25	0.00944	0.00547	0.0017	0.00248	1.54E-03	4.24E-03	3.34E-04	1.83E-04	6.30E-03	1.52E-03	1.84E-07	3.66E-06	5.34E-06	1.53E-03	1.85E-03	4.24E-03	3.34E-04	1.83E-04	6.61E-03
3510	476363.09	3849877.25	0.00946	0.00555	0.0017	0.00249	1.55E-03	4.31E-03	3.32E-04	1.83E-04	6.37E-03	1.52E-03	1.86E-07	3.64E-06	5.36E-06	1.53E-03	1.85E-03	4.31E-03	3.32E-04	1.83E-04	6.67E-03
3511	476863.09	3849877.25	0.00946	0.00644	0.0018	0.00247	1.55E-03	5.00E-03	3.39E-04	1.82E-04	7.06E-03	1.52E-03	2.16E-07	3.72E-06	5.32E-06	1.53E-03	1.85E-03	5.00E-03	3.39E-04	1.82E-04	7.37E-03
3512	477363.09	3849877.25	0.00939	0.00785	0.0018	0.00244	1.54E-03	6.09E-03	3.49E-04	1.80E-04	8.15E-03	1.51E-03	2.64E-07	3.83E-06	5.25E-06	1.52E-03	1.84E-03	6.09E-03	3.49E-04	1.80E-04	8.46E-03
3513	477863.09	3849877.25	0.00896	0.00831	0.0019	0.00244	1.47E-03	6.45E-03	3.59E-04	1.80E-04	8.45E-03	1.44E-03	2.79E-07	3.93E-06	5.25E-06	1.45E-03	1.75E-03	6.45E-03	3.59E-04	1.80E-04	8.74E-03
3514	478363.09	3849877.25	0.00848	0.00771	0.0019	0.00252	1.39E-03	5.98E-03	3.63E-04	1.86E-04	7.92E-03	1.37E-03	2.59E-07	3.98E-06	5.42E-06	1.38E-03	1.66E-03	5.98E-03	3.63E-04	1.86E-04	8.19E-03
3515	478863.09	3849877.25	0.01028	0.00741	0.0019	0.00262	1.68E-03	5.75E-03	3.59E-04	1.93E-04	7.98E-03	1.66E-03	2.49E-07	3.93E-06	5.64E-06	1.67E-03	2.01E-03	5.75E-03	3.59E-04	1.93E-04	8.31E-03
3516	479363.09	3849877.25	0.01375	0.00604	0.0018	0.00271	2.25E-03	4.69E-03	3.55E-04	2.00E-04	7.49E-03	2.22E-03	2.03E-07	3.89E-06	5.83E-06	2.23E-03	2.69E-03	4.69E-03	3.55E-04	2.00E-04	7.93E-03
3517	479863.09	3849877.25	0.01513	0.00557	0.0019	0.00287	2.47E-03	4.32E-03	3.59E-04	2.11E-04	7.37E-03	2.44E-03	1.87E-07	3.93E-06	6.18E-06	2.45E-03	2.96E-03	4.32E-03	3.59E-04	2.11E-04	7.85E-03
3518	480363.09	3849877.25	0.01239	0.00454	0.0021	0.003	2.03E-03	3.52E-03	4.07E-04	2.21E-04	6.18E-03	2.00E-03	1.53E-07	4.46E-06	6.46E-06	2.01E-03	2.42E-03	3.52E-03	4.07E-04	2.21E-04	6.57E-03
3519	480863.09	3849877.25	0.00874	0.00364	0.0027	0.00288	1.43E-03	2.82E-03	5.27E-04	2.12E-04	4.99E-03	1.41E-03	1.22E-07	5.78E-06	6.20E-06	1.42E-03	1.71E-03	2.82E-03	5.27E-04	2.12E-04	5.27E-03
3520	481363.09	3849877.25	0.00769	0.00326	0.003	0.00291	1.26E-03	2.53E-03	5.80E-04	2.14E-04	4.58E-03	1.24E-03	1.10E-07	6.36E-06	6.26E-06	1.25E-03	1.50E-03	2.53E-03	5.80E-04	2.14E-04	4.83E-03
3521	481863.09	3849877.25	0.00474	0.00241	0.0022	0.00289	7.75E-04	1.87E-03	4.30E-04	2.13E-04	3.29E-03	7.64E-04	8.10E-08	4.72E-06	6.22E-06	7.75E-04	9.28E-04	1.87E-03	4.30E-04	2.13E-04	3.44E-03
3522	482363.09	3849877.25	0.00386	0.00216	0.0021	0.00288	6.31E-04	1.68E-03	4.03E-04	2.12E-04	2.92E-03	6.22E-04	7.26E-08	4.42E-06	6.20E-06	6.33E-04	7.55E-04	1.68E-03	4.03E-04	2.12E-04	3.05E-03
3523	482863.09	3849877.25	0.00326	0.00195	0.0021	0.00284	5.33E-04	1.51E-03	4.01E-04	2.09E-04	2.66E-03	5.25E-04	6.55E-08	4.40E-06	6.11E-06	5.36E-04	6.38E-04	1.51E-03	4.01E-04	2.09E-04	2.76E-03
3524	483363.09	3849877.25	0.00287	0.00179	0.0021	0.0028	4.69E-04	1.39E-03	4.13E-04	2.06E-04	2.48E-03	4.62E-04	6.01E-08	4.53E-06	6.03E-06	4.73E-04	5.62E-04	1.39E-03	4.13E-04	2.06E-04	2.57E-03
3525	483863.09	3849877.25	0.00288	0.00177	0.0023	0.00282	4.71E-04	1.37E-03	4.54E-04	2.08E-04	2.51E-03	4.64E-04	5.95E-08	4.98E-06	6.07E-06	4.75E-04	5.64E-04	1.37E-03	4.54E-04	2.08E-04	2.60E-03
3526	484363.09	3849877.25	0.00386	0.00204	0.0027	0.00295	6.31E-04	1.58E-03	5.22E-04	2.17E-04	2.95E-03	6.22E-04	6.85E-08	5.72E-06	6.35E-06	6.34E-04	7.55E-04	1.58E-03	5.22E-04	2.17E-04	3.08E-03
3527	484863.09	3849877.25	0.00509	0.0024	0.0033	0.00313	8.33E-04	1.86E-03	6.32E-04	2.30E-04	3.56E-03	8.20E-04	8.06E-08	6.93E-06	6.74E-06	8.34E-04	9.96E-04	1.86E-03	6.32E-04	2.30E-04	3.72E-03
3528	485363.09	3849877.25	0.00449	0.00231	0.0038	0.00317	7.34E-04	1.79E-03	7.43E-04	2.33E-04	3.50E-03	7.23E-04	7.76E-08	8.14E-06	6.82E-06	7.39E-04	8.79E-04	1.79E-03	7.43E-04	2.33E-04	3.65E-03
3529	485863.09	3849877.25	0.0035	0.00204	0.0038	0.0031	5.72E-04	1.58E-03	7.45E-04	2.28E-04	3.13E-03	5.64E-04	6.85E-08	8.16E-06	6.67E-06	5.79E-04	6.85E-04	1.58E-03	7.45E-04	2.28E-04	3.24E-03
3530	486363.09	3849877.25	0.00312	0.00191	0.0034	0.00303	5.10E-04	1.48E-03	6.50E-04	2.23E-04	2.86E-03	5.03E-04	6.42E-08	7.12E-06	6.52E-06	5.16E-04	6.11E-04	1.48E-03	6.50E-04	2.23E-04	2.96E-03
3531	486863.09	3849877.25	0.00341	0.00206	0.0028	0.00304	5.58E-04	1.60E-03	5.51E-04	2.24E-04	2.93E-03	5.49E-04	6.92E-08	6.04E-06	6.54E-06	5.62E-04	6.67E-04	1.60E-03	5.51E-04	2.24E-04	3.04E-03
3532	487363.09	3849877.25	0.00323	0.00204	0.0024	0.00308	5.28E-04	1.58E-03	4.73E-04	2.27E-04	2.81E-03	5.20E-04	6.85E-08	5.19E-06	6.63E-06	5.32E-04	6.32E-04	1.58E-03	4.73E-04	2.27E-04	2.91E-03
3533	487863.09	3849877.25	0.00312	0.00196	0.0023	0.00312	5.10E-04	1.52E-03	4.48E-04	2.30E-04	2.71E-03	5.03E-04	6.58E-08	4.91E-06	6.72E-06	5.14E-04	6.11E-04	1.52E-03	4.48E-04	2.30E-04	2.81E-03
3534	488363.09	3849877.25	0.00313	0.00199	0.0026	0.0032	5.12E-04	1.54E-03	4.96E-04	2.36E-04	2.79E-03	5.04E-04	6.68E-08	5.44E-06	6.89E-06	5.17E-04	6.12E-04	1.54E-03	4.96E-04	2.36E-04	2.89E-03

3535	488863.09	3849877.25	0.00328	0.00205	0.003	0.00332	5.36E-04	1.59E-03	5.74E-04	2.44E-04	2.95E-03	5.29E-04	6.89E-08	6.29E-06	7.15E-06	5.42E-04	6.42E-04	1.59E-03	5.74E-04	2.44E-04	3.05E-03
3536	489363.09	3849877.25	0.00337	0.0021	0.0032	0.00347	5.51E-04	1.63E-03	6.21E-04	2.55E-04	3.06E-03	5.43E-04	7.05E-08	6.80E-06	7.47E-06	5.57E-04	6.59E-04	1.63E-03	6.21E-04	2.55E-04	3.16E-03
3537	489863.09	3849877.25	0.00337	0.00208	0.0031	0.00365	5.51E-04	1.61E-03	6.09E-04	2.69E-04	3.04E-03	5.43E-04	6.99E-08	6.68E-06	7.86E-06	5.58E-04	6.59E-04	1.61E-03	6.09E-04	2.69E-04	3.15E-03
3538	490363.09	3849877.25	0.00333	0.00205	0.0031	0.00374	5.45E-04	1.59E-03	5.93E-04	2.75E-04	3.00E-03	5.37E-04	6.89E-08	6.51E-06	8.05E-06	5.51E-04	6.52E-04	1.59E-03	5.93E-04	2.75E-04	3.11E-03
3539	490863.09	3849877.25	0.00342	0.00211	0.0031	0.00385	5.59E-04	1.64E-03	6.05E-04	2.83E-04	3.08E-03	5.51E-04	7.09E-08	6.63E-06	8.29E-06	5.66E-04	6.69E-04	1.64E-03	6.05E-04	2.83E-04	3.19E-03
3540	491363.09	3849877.25	0.00347	0.00217	0.003	0.00395	5.68E-04	1.68E-03	5.84E-04	2.91E-04	3.13E-03	5.59E-04	7.29E-08	6.40E-06	8.50E-06	5.74E-04	6.79E-04	1.68E-03	5.84E-04	2.91E-04	3.24E-03
3541	491863.09	3849877.25	0.00339	0.00217	0.0026	0.00405	5.54E-04	1.68E-03	5.08E-04	2.98E-04	3.04E-03	5.46E-04	7.29E-08	5.57E-06	8.72E-06	5.61E-04	6.63E-04	1.68E-03	5.08E-04	2.98E-04	3.15E-03
3542	492363.09	3849877.25	0.00344	0.00216	0.0025	0.00415	5.63E-04	1.68E-03	4.77E-04	3.06E-04	3.02E-03	5.54E-04	7.26E-08	5.23E-06	8.93E-06	5.69E-04	6.73E-04	1.68E-03	4.77E-04	3.06E-04	3.13E-03
3543	492863.09	3849877.25	0.00338	0.00214	0.0024	0.00422	5.53E-04	1.66E-03	4.69E-04	3.11E-04	2.99E-03	5.45E-04	7.19E-08	5.15E-06	9.08E-06	5.59E-04	6.61E-04	1.66E-03	4.69E-04	3.11E-04	3.10E-03
3544	493363.09	3849877.25	0.00332	0.00215	0.0024	0.00427	5.43E-04	1.67E-03	4.65E-04	3.14E-04	2.99E-03	5.35E-04	7.22E-08	5.10E-06	9.19E-06	5.49E-04	6.50E-04	1.67E-03	4.65E-04	3.14E-04	3.10E-03
3545	493863.09	3849877.25	0.00343	0.0022	0.0025	0.00437	5.61E-04	1.71E-03	4.87E-04	3.22E-04	3.08E-03	5.53E-04	7.39E-08	5.34E-06	9.41E-06	5.67E-04	6.71E-04	1.71E-03	4.87E-04	3.22E-04	3.19E-03
3546	494363.09	3849877.25	0.00429	0.00257	0.0031	0.00465	7.02E-04	1.99E-03	6.03E-04	3.42E-04	3.64E-03	6.91E-04	8.63E-08	6.61E-06	1.00E-05	7.08E-04	8.39E-04	1.99E-03	6.03E-04	3.42E-04	3.78E-03
3547	494863.09	3849877.25	0.00505	0.0029	0.0036	0.00487	8.26E-04	2.25E-03	7.06E-04	3.59E-04	4.14E-03	8.14E-04	9.74E-08	7.74E-06	1.05E-05	8.32E-04	9.88E-04	2.25E-03	7.06E-04	3.59E-04	4.30E-03
3548	495363.09	3849877.25	0.00477	0.00279	0.0038	0.0049	7.80E-04	2.16E-03	7.37E-04	3.61E-04	4.04E-03	7.69E-04	9.37E-08	8.08E-06	1.05E-05	7.87E-04	9.33E-04	2.16E-03	7.37E-04	3.61E-04	4.20E-03
3549	495863.09	3849877.25	0.00569	0.00318	0.0044	0.00516	9.31E-04	2.47E-03	8.53E-04	3.80E-04	4.63E-03	9.17E-04	1.07E-07	9.36E-06	1.11E-05	9.37E-04	1.11E-03	2.47E-03	8.53E-04	3.80E-04	4.81E-03
3550	496363.09	3849877.25	0.00629	0.00342	0.0047	0.00534	1.03E-03	2.65E-03	9.09E-04	3.93E-04	4.98E-03	1.01E-03	1.15E-07	9.97E-06	1.15E-05	1.04E-03	1.23E-03	2.65E-03	9.09E-04	3.93E-04	5.19E-03
3551	496863.09	3849877.25	0.0068	0.00359	0.0048	0.0055	1.11E-03	2.78E-03	9.27E-04	4.05E-04	5.23E-03	1.10E-03	1.21E-07	1.02E-05	1.18E-05	1.12E-03	1.33E-03	2.78E-03	9.27E-04	4.05E-04	5.45E-03
3552	497363.09	3849877.25	0.00833	0.00413	0.005	0.00574	1.36E-03	3.20E-03	9.64E-04	4.23E-04	5.95E-03	1.34E-03	1.39E-07	1.06E-05	1.24E-05	1.37E-03	1.63E-03	3.20E-03	9.64E-04	4.23E-04	6.22E-03
3553	497863.09	3849877.25	0.00916	0.00442	0.005	0.00591	1.50E-03	3.43E-03	9.66E-04	4.35E-04	6.33E-03	1.48E-03	1.48E-07	1.06E-05	1.27E-05	1.50E-03	1.79E-03	3.43E-03	9.66E-04	4.35E-04	6.62E-03
3554	498363.09	3849877.25	0.00911	0.00443	0.0051	0.00601	1.49E-03	3.44E-03	9.91E-04	4.42E-04	6.36E-03	1.47E-03	1.49E-07	1.09E-05	1.29E-05	1.49E-03	1.78E-03	3.44E-03	9.91E-04	4.42E-04	6.65E-03
3555	471363.09	3850377.25	0.00453	0.0029	0.0018	0.00231	7.41E-04	2.25E-03	3.55E-04	1.70E-04	3.52E-03	7.30E-04	9.74E-08	3.89E-06	4.97E-06	7.39E-04	8.86E-04	2.25E-03	3.55E-04	1.70E-04	3.66E-03
3556	471863.09	3850377.25	0.00543	0.00386	0.0018	0.00237	8.88E-04	2.99E-03	3.57E-04	1.74E-04	4.41E-03	8.75E-04	1.30E-07	3.91E-06	5.10E-06	8.84E-04	1.06E-03	2.99E-03	3.57E-04	1.74E-04	4.59E-03
3557	472363.09	3850377.25	0.00589	0.00448	0.0017	0.00239	9.63E-04	3.48E-03	3.37E-04	1.76E-04	4.95E-03	9.49E-04	1.50E-07	3.70E-06	5.15E-06	9.58E-04	1.15E-03	3.48E-03	3.37E-04	1.76E-04	5.14E-03
3558	472863.09	3850377.25	0.00663	0.00551	0.0017	0.00243	1.08E-03	4.27E-03	3.24E-04	1.79E-04	5.86E-03	1.07E-03	1.85E-07	3.55E-06	5.23E-06	1.08E-03	1.30E-03	4.27E-03	3.24E-04	1.79E-04	6.07E-03
3559	473363.09	3850377.25	0.00703	0.00567	0.0016	0.00245	1.15E-03	4.40E-03	3.14E-04	1.80E-04	6.04E-03	1.13E-03	1.90E-07	3.44E-06	5.27E-06	1.14E-03	1.38E-03	4.40E-03	3.14E-04	1.80E-04	6.27E-03
3560	473863.09	3850377.25	0.00759	0.006	0.0016	0.00248	1.24E-03	4.65E-03	3.14E-04	1.83E-04	6.39E-03	1.22E-03	2.02E-07	3.44E-06	5.34E-06	1.23E-03	1.49E-03	4.65E-03	3.14E-04	1.83E-04	6.64E-03
3561	474363.09	3850377.25	0.00834	0.00628	0.0017	0.00251	1.36E-03	4.87E-03	3.26E-04	1.85E-04	6.75E-03	1.34E-03	2.11E-07	3.57E-06	5.40E-06	1.35E-03	1.63E-03	4.87E-03	3.26E-04	1.85E-04	7.01E-03
3562	474863.09	3850377.25	0.00922	0.00636	0.0018	0.00254	1.51E-03	4.93E-03	3.41E-04	1.87E-04	6.97E-03	1.49E-03	2.14E-07	3.74E-06	5.47E-06	1.50E-03	1.80E-03	4.93E-03	3.41E-04	1.87E-04	7.27E-03
3563	475363.09	3850377.25	0.01002	0.00642	0.0018	0.00258	1.64E-03	4.98E-03	3.55E-04	1.90E-04	7.16E-03	1.61E-03	2.16E-07	3.89E-06	5.55E-06	1.62E-03	1.96E-03	4.98E-03	3.55E-04	1.90E-04	7.49E-03
3564	475863.09	3850377.25	0.01053	0.00635	0.0018	0.00262	1.72E-03	4.93E-03	3.57E-04	1.93E-04	7.20E-03	1.70E-03	2.13E-07	3.91E-06	5.64E-06	1.71E-03	2.06E-03	4.93E-03	3.57E-04	1.93E-04	7.54E-03
3565	476363.09	3850377.25	0.01074	0.00616	0.0018	0.00265	1.76E-03	4.78E-03	3.55E-04	1.95E-04	7.08E-03	1.73E-03	2.07E-07	3.89E-06	5.70E-06	1.74E-03	2.10E-03	4.78E-03	3.55E-04	1.95E-04	7.43E-03
3566	476863.09	3850377.25	0.01082	0.00621	0.0018	0.00266	1.77E-03	4.82E-03	3.51E-04	1.96E-04	7.13E-03	1.74E-03	2.09E-07	3.85E-06	5.73E-06	1.75E-03	2.12E-03	4.82E-03	3.51E-04	1.96E-04	7.48E-03
3567	477363.09	3850377.25	0.01086	0.00717	0.0018	0.00265	1.78E-03	5.56E-03	3.55E-04	1.95E-04	7.89E-03	1.75E-03	2.41E-07	3.89E-06	5.70E-06	1.76E-03	2.13E-03	5.56E-03	3.55E-04	1.95E-04	8.24E-03
3568	477863.09	3850377.25	0.01082	0.00873	0.0019	0.00262	1.77E-03	6.77E-03	3.66E-04	1.93E-04	9.10E-03	1.74E-03	2.93E-07	4.02E-06	5.64E-06	1.75E-03	2.12E-03	6.77E-03	3.66E-04	1.93E-04	9.45E-03
3569	478363.09	3850377.25	0.01045	0.00923	0.0019	0.00262	1.71E-03	7.16E-03	3.76E-04	1.93E-04	9.44E-03	1.68E-03	3.10E-07	4.12E-06	5.64E-06	1.69E-03	2.04E-03	7.16E-03	3.76E-04	1.93E-04	9.77E-03
3570	478863.09	3850377.25	0.01	0.00931	0.002	0.00268	1.64E-03	7.22E-03	3.82E-04	1.97E-04	9.44E-03	1.61E-03	3.13E-07	4.19E-06	5.77E-06	1.62E-03	1.96E-03	7.22E-03	3.82E-04	1.97E-04	9.76E-03
3571	479363.09	3850377.25	0.0118	0.00888	0.002	0.00276	1.93E-03	6.89E-03	3.80E-04	2.03E-04	9.40E-03	1.90E-03	2.98E-07	4.17E-06	5.94E-06	1.91E-03	2.31E-03	6.89E-03	3.80E-04	2.03E-04	9.78E-03
3572	479863.09	3850377.25	0.01579	0.00732	0.0019	0.00288	2.58E-03	5.68E-03	3.74E-04	2.12E-04	8.85E-03	2.54E-03	2.46E-07	4.10E-06	6.20E-06	2.55E-03	3.09E-03	5.68E-03	3.74E-04	2.12E-04	9.35E-03
3573	480363.09	3850377.25	0.01735	0.00631	0.002	0.00312	2.84E-03	4.89E-03	3.80E-04	2.30E-04	8.34E-03	2.80E-03	2.12E-07	4.17E-06	6.72E-06	2.81E-03	3.40E-03	4.89E-03	3.80E-04	2.30E-04	8.90E-03
3574	480863.09	3850377.25	0.01506	0.00582	0.0022	0.0032	2.46E-03	4.51E-03	4.29E-04	2.36E-04	7.64E-03	2.43E-03	1.96E-07	4.70E-06	6.89E-06	2.44E-03	2.95E-03	4.51E-03	4.29E-04	2.36E-04	8.13E-03
3575	481363.09	3850377.25	0.0095	0.00382	0.003	0.00311	1.55E-03	2.96E-03	5.74E-04	2.29E-04	5.32E-03	1.53E-03	1.28E-07	6.29E-06	6.70E-06	1.54E-03	1.86E-03	2.96E-03	5.74E-04	2.29E-04	5.63E-03
3576	481863.09	3850377.25	0.00874	0.00354	0.0034	0.00335	1.43E-03	2.75E-03	6.63E-04	2.47E-04	5.09E-03	1.41E-03	1.19E-07	7.27E-06	7.21E-06	1.42E-03	1.71E-03	2.75E-03	6.63E-04	2.47E-04	5.37E-03
3577	482363.09	3850377.25	0.00775	0.00329	0.0027	0.00353	1.27E-03	2.55E-03	5.25E-04	2.60E-04	4.61E-03	1.25E-03	1.11E-07	5.76E-06	7.60E-06	1.26E-03	1.52E-03	2.55E-03	5.25E-04	2.60E-04	4.85E-03
3578	482863.09	3850377.25	0.00506	0.00252	0.0023	0.00313	8.28E-04	1.95E-03	4.46E-04	2.30E-04	3.46E-03	8.15E-04	8.47E-08	4.89E-06	6.74E-06	8.27E-04	9.90E-04	1.95E-03	4.46E-04	2.30E-04	3.62E-03
3579	483363.09	3850377.25	0.00393	0.00219	0.0023	0.00303	6.43E-04	1.70E-03	4.36E-04	2.23E-04	3.00E-03	6.33E-04	7.36E-08	4.78E-06	6.52E-06	6.45E-04	7.69E-04	1.70E-03	4.36E-04	2.23E-04	3.13E-03
3580	483863.09	3850377.25	0.00419	0.00227	0.0025	0.00307	6.85E-04	1.76E-03	4.83E-04	2.26E-04	3.16E-03	6.75E-04	7.63E-08	5.29E-06	6.61E-06	6.87E-04	8.20E-04	1.76E-03	4.83E-04	2.26E-04	3.29E-03
3581	484363.09	3850377.25	0.00523	0.00246	0.003	0.00318	8.55E-04	1.91E-03	5.74E-04	2.34E-04	3.57E-03	8.43E-04	8.26E-08	6.29E-06	6.85E-06	8.56E-04	1.02E-03	1.91E-03	5.74E-04	2.34E-04	3.74E-03
3582	484863.09	3850377.25	0.00622	0.00269	0.0033	0.00336	1.02E-03	2.09E-03	6.30E-04	2.47E-04	3.98E-03	1.00E-03	9.04E-08	6.91E-06	7.23E-06	1.02E-03	1.22E-03	2.09E-03	6.30E-04	2.47E-04	4.18E-03
3583	485363.09	3850377.25	0.00575	0.00272	0.004	0.0035	9.40E-04	2.11E-03	7.74E-04	2.58E-04	4.08E-03	9.27E-04	9.14E-08	8.48E-06	7.53E-06	9.43E-04	1.13E-03	2.11E-03	7.74E-04	2.58E-04	4.27E-03
3584	485863.09	3850377.25	0.00482	0.00249	0.0045	0.00345	7.88E-04	1.93E-03	8.75E-04	2.54E-04	3.85E-03	7.77E-04	8.36E-08	9.59E-06	7.43E-06	7.94E-04	9.43E-04	1.93E-03	8.75E-04	2.54E-04	4.00E-03
3585	486363.09	3850377.25	0.00449	0.00242	0.0043	0.0034	7.34E-04	1.88E-03	8.24E-04	2.50E-04	3.69E-03	7.23E-04	8.13E-08	9.04E-06	7.32E-06	7.40E-04	8.79E-04	1.88E-03	8.24E-04	2.50E-04	3.83E-03
3586	486863.09	3850377.25	0.00433	0.00249	0.0035	0.00341	7.08E-04	1.93E-03	6.83E-04	2.51E-04	3.57E-03	6.98E-04	8.36E-08	7.48E-06	7.34E-06	7.13E-04	8.47E-04	1.93E-03	6.83E-04	2.51E-04	3.71E-03
3587	487363.09	3850377.25	0.00396	0.00238	0.0027	0.00342	6.48E-04	1.85E-03	5.20E-04	2.52E-04	3.27E-03	6.38E-04	7.99E-08	5.70E-06	7.36E-06	6.51E-04	7.75E-04	1.85E-03	5.20E-04	2.52E-04	3.39E-03
3588	487863.09	3850377.25	0.00386	0.00231	0.0025	0.00347	6.31E-04	1.79E-03	4.81E-04	2.55E-04	3.16E-03	6.22E-04	7.76E-08	5.27E-06	7.47E-06	6.35E-04	7.55E-04	1.79E-03	4.81E-04	2.55E-04	3.28E-03
3589	488363.09	3850377.25	0.00395	0.00236	0.0028	0.00358	6.46E-04	1.83E-03	5.33E-04	2.64E-04	3.27E-03	6.36E-04	7.93E-08	5.85E-06	7.71E-06	6.50E-04	7.73E-04	1.83E-03	5.33E-04	2.64E-04	3.40E-03
3590	488863.09	3850377.25	0.00414	0.00242	0.0032	0.00373	6.77E-04	1.88E-03	6.17E-04	2.75E-04	3.45E-03	6.67E-04	8.13E-08	6.76E-06	8.03E-06	6.82E-04	8.10E-04	1.88E-03	6.17E-04	2.75E-04	3.58E-03
3591	489363.09	3850377.25	0.00417	0.00247	0.0034	0.00395	6.82E-04	1.92E-03	6.59E-04	2.91E-04	3.55E-03	6.72E-04	8.30E-08	7.23E-06	8.50E-06	6.88E-04	8.16E-04	1.92E-03	6.59E-04	2.91E-04	3.68E-03
3592	489863.09	3850377.25	0.00415	0.00245	0.0033	0.00416	6.79E-04	1.90E-03	6.42E-04	3.06E-04	3.53E-03	6.69E-04	8.23E-08	7.04E-06	8.96E-06	6.85E-04	8.12E-04	1.90E-03	6.42E-04	3.06E-04	3.66E-03
3593	490363.09	3850377.25	0.00423	0.00246	0.0033	0.00428	6.92E-04	1.91E-03	6.40E-04	3.15E-04	3.56E-03	6.82E-04	8.26E-08	7.02E-06	9.21E-06	6.98E-04	8.28E-04	1.91E-03	6.40E-04	3.15E-04	3.69E-03
3594	490863.09	3850377.25	0.00427	0.00256	0.0034	0.00435	6.98E-04	1.99E-03	6.50E-04	3.20E-04	3.65E-03	6.88E-04	8.60E-08	7.12E-06	9.36E-06	7.05E-04	8.36E-04	1.99E-03	6.50E-04	3.20E-04	3.79E-03
3595	491363.09	3850377.25	0.00438	0.00262	0.0031	0.00449	7.16E-04	2.03E-03	6.09E-04	3.31E-04	3.69E-03	7.06E-04	8.80E-08	6.68E-06	9.67E-06	7.22E-04	8.57E-04	2.03E-03	6.09E-04	3.31E-04	3.83E-03

3596	491863.09	3850377.25	0.00437	0.00261	0.0028	0.00459	7.15E-04	2.02E-03	5.47E-04	3.38E-04	3.62E-03	7.04E-04	8.77E-08	6.00E-06	9.88E-06	7.20E-04	8.55E-04	2.02E-03	5.47E-04	3.38E-04	3.76E-03
3597	492363.09	3850377.25	0.00432	0.00258	0.0027	0.00471	7.07E-04	2.00E-03	5.14E-04	3.47E-04	3.57E-03	6.96E-04	8.67E-08	5.63E-06	1.01E-05	7.12E-04	8.45E-04	2.00E-03	5.14E-04	3.47E-04	3.71E-03
3598	492863.09	3850377.25	0.00442	0.00265	0.0027	0.00485	7.23E-04	2.06E-03	5.18E-04	3.57E-04	3.65E-03	7.12E-04	8.90E-08	5.68E-06	1.04E-05	7.28E-04	8.65E-04	2.06E-03	5.18E-04	3.57E-04	3.80E-03
3599	493363.09	3850377.25	0.00446	0.00268	0.0028	0.00491	7.29E-04	2.08E-03	5.45E-04	3.61E-04	3.71E-03	7.19E-04	9.00E-08	5.97E-06	1.06E-05	7.35E-04	8.73E-04	2.08E-03	5.45E-04	3.61E-04	3.86E-03
3600	493863.09	3850377.25	0.00509	0.00294	0.0032	0.00511	8.33E-04	2.28E-03	6.26E-04	3.76E-04	4.12E-03	8.20E-04	9.88E-08	6.87E-06	1.10E-05	8.38E-04	9.96E-04	2.28E-03	6.26E-04	3.76E-04	4.28E-03
3601	494363.09	3850377.25	0.00569	0.00318	0.0037	0.00531	9.31E-04	2.47E-03	7.25E-04	3.91E-04	4.51E-03	9.17E-04	1.07E-07	7.95E-06	1.14E-05	9.36E-04	1.11E-03	2.47E-03	7.25E-04	3.91E-04	4.70E-03
3602	494863.09	3850377.25	0.00662	0.00355	0.0044	0.00552	1.08E-03	2.75E-03	8.55E-04	4.06E-04	5.10E-03	1.07E-03	1.19E-07	9.38E-06	1.19E-05	1.09E-03	1.30E-03	2.75E-03	8.55E-04	4.06E-04	5.31E-03
3603	495363.09	3850377.25	0.00781	0.00401	0.0049	0.00575	1.28E-03	3.11E-03	9.58E-04	4.23E-04	5.77E-03	1.26E-03	1.35E-07	1.05E-05	1.24E-05	1.28E-03	1.53E-03	3.11E-03	9.58E-04	4.23E-04	6.02E-03
3604	495863.09	3850377.25	0.00784	0.00402	0.0051	0.00589	1.28E-03	3.12E-03	9.91E-04	4.34E-04	5.83E-03	1.26E-03	1.35E-07	1.09E-05	1.27E-05	1.29E-03	1.53E-03	3.12E-03	9.91E-04	4.34E-04	6.08E-03
3605	496363.09	3850377.25	0.00909	0.00444	0.0054	0.00611	1.49E-03	3.44E-03	1.04E-03	4.50E-04	6.42E-03	1.46E-03	1.49E-07	1.14E-05	1.32E-05	1.49E-03	1.78E-03	3.44E-03	1.04E-03	4.50E-04	6.71E-03
3606	496863.09	3850377.25	0.01033	0.00485	0.0054	0.00632	1.69E-03	3.76E-03	1.04E-03	4.65E-04	6.96E-03	1.66E-03	1.63E-07	1.14E-05	1.36E-05	1.69E-03	2.02E-03	3.76E-03	1.04E-03	4.65E-04	7.29E-03
3607	497363.09	3850377.25	0.01103	0.00509	0.0054	0.0065	1.80E-03	3.95E-03	1.04E-03	4.79E-04	7.27E-03	1.78E-03	1.71E-07	1.14E-05	1.40E-05	1.80E-03	2.16E-03	3.95E-03	1.04E-03	4.79E-04	7.63E-03
3608	497863.09	3850377.25	0.01118	0.0052	0.0056	0.0066	1.83E-03	4.03E-03	1.08E-03	4.86E-04	7.43E-03	1.80E-03	1.75E-07	1.18E-05	1.42E-05	1.83E-03	2.19E-03	4.03E-03	1.08E-03	4.86E-04	7.79E-03
3609	498363.09	3850377.25	0.01124	0.0053	0.0059	0.00674	1.84E-03	4.11E-03	1.15E-03	4.96E-04	7.59E-03	1.81E-03	1.78E-07	1.26E-05	1.45E-05	1.84E-03	2.20E-03	4.11E-03	1.15E-03	4.96E-04	7.95E-03
3610	471363.09	3850877.25	0.00597	0.00328	0.0023	0.00249	9.76E-04	2.54E-03	4.40E-04	1.83E-04	4.14E-03	9.62E-04	1.10E-07	4.83E-06	5.36E-06	9.72E-04	1.17E-03	2.54E-03	4.40E-04	1.83E-04	4.34E-03
3611	471863.09	3850877.25	0.00629	0.00369	0.0022	0.00253	1.03E-03	2.86E-03	4.32E-04	1.86E-04	4.51E-03	1.01E-03	1.24E-07	4.74E-06	5.45E-06	1.02E-03	1.23E-03	2.86E-03	4.32E-04	1.86E-04	4.71E-03
3612	472363.09	3850877.25	0.00669	0.00436	0.0022	0.00257	1.09E-03	3.38E-03	4.23E-04	1.89E-04	5.09E-03	1.08E-03	1.46E-07	4.64E-06	5.53E-06	1.09E-03	1.31E-03	3.38E-03	4.23E-04	1.89E-04	5.30E-03
3613	472863.09	3850877.25	0.007	0.00522	0.0021	0.00259	1.14E-03	4.05E-03	3.99E-04	1.91E-04	5.78E-03	1.13E-03	1.75E-07	4.38E-06	5.58E-06	1.14E-03	1.37E-03	4.05E-03	3.99E-04	1.91E-04	6.01E-03
3614	473363.09	3850877.25	0.00688	0.00512	0.0019	0.00259	1.13E-03	3.97E-03	3.66E-04	1.91E-04	5.65E-03	1.11E-03	1.72E-07	4.02E-06	5.58E-06	1.12E-03	1.35E-03	3.97E-03	3.66E-04	1.91E-04	5.88E-03
3615	473863.09	3850877.25	0.00749	0.0059	0.0018	0.00261	1.23E-03	4.58E-03	3.45E-04	1.92E-04	6.34E-03	1.21E-03	1.98E-07	3.78E-06	5.62E-06	1.22E-03	1.47E-03	4.58E-03	3.45E-04	1.92E-04	6.58E-03
3616	474363.09	3850877.25	0.00815	0.00674	0.0017	0.00264	1.33E-03	5.23E-03	3.35E-04	1.94E-04	7.09E-03	1.31E-03	2.26E-07	3.68E-06	5.68E-06	1.32E-03	1.59E-03	5.23E-03	3.35E-04	1.94E-04	7.35E-03
3617	474863.09	3850877.25	0.00881	0.00699	0.0017	0.00268	1.44E-03	5.42E-03	3.37E-04	1.97E-04	7.40E-03	1.42E-03	2.35E-07	3.70E-06	5.77E-06	1.43E-03	1.72E-03	5.42E-03	3.37E-04	1.97E-04	7.68E-03
3618	475363.09	3850877.25	0.00969	0.00716	0.0018	0.00271	1.58E-03	5.55E-03	3.49E-04	2.00E-04	7.69E-03	1.56E-03	2.41E-07	3.83E-06	5.83E-06	1.57E-03	1.90E-03	5.55E-03	3.49E-04	2.00E-04	8.00E-03
3619	475863.09	3850877.25	0.01072	0.00724	0.0019	0.00275	1.75E-03	5.62E-03	3.65E-04	2.02E-04	7.94E-03	1.73E-03	2.43E-07	4.00E-06	5.92E-06	1.74E-03	2.10E-03	5.62E-03	3.65E-04	2.02E-04	8.28E-03
3620	476363.09	3850877.25	0.01155	0.00723	0.0019	0.0028	1.89E-03	5.61E-03	3.76E-04	2.06E-04	8.08E-03	1.86E-03	2.43E-07	4.12E-06	6.03E-06	1.87E-03	2.26E-03	5.61E-03	3.76E-04	2.06E-04	8.45E-03
3621	476863.09	3850877.25	0.01218	0.00708	0.002	0.00284	1.99E-03	5.49E-03	3.78E-04	2.09E-04	8.07E-03	1.96E-03	2.38E-07	4.15E-06	6.11E-06	1.97E-03	2.38E-03	5.49E-03	3.78E-04	2.09E-04	8.46E-03
3622	477363.09	3850877.25	0.01249	0.00711	0.0019	0.00286	2.04E-03	5.52E-03	3.74E-04	2.11E-04	8.14E-03	2.01E-03	2.39E-07	4.10E-06	6.16E-06	2.02E-03	2.44E-03	5.52E-03	3.74E-04	2.11E-04	8.54E-03
3623	477863.09	3850877.25	0.01258	0.00808	0.0019	0.00285	2.06E-03	6.27E-03	3.76E-04	2.10E-04	8.91E-03	2.03E-03	2.71E-07	4.12E-06	6.14E-06	2.04E-03	2.46E-03	6.27E-03	3.76E-04	2.10E-04	9.32E-03
3624	478363.09	3850877.25	0.01258	0.01002	0.002	0.00283	2.06E-03	7.77E-03	3.84E-04	2.08E-04	1.04E-02	2.03E-03	3.37E-07	4.21E-06	6.09E-06	2.04E-03	2.46E-03	7.77E-03	3.84E-04	2.08E-04	1.08E-02
3625	478863.09	3850877.25	0.01238	0.01143	0.0021	0.00282	2.02E-03	8.87E-03	3.98E-04	2.08E-04	1.15E-02	1.99E-03	3.84E-07	4.36E-06	6.07E-06	2.01E-03	2.42E-03	8.87E-03	3.98E-04	2.08E-04	1.19E-02
3626	479363.09	3850877.25	0.01201	0.01094	0.0021	0.00287	1.96E-03	8.49E-03	4.05E-04	2.11E-04	1.11E-02	1.94E-03	3.67E-07	4.44E-06	6.18E-06	1.95E-03	2.35E-03	8.49E-03	4.05E-04	2.11E-04	1.15E-02
3627	479863.09	3850877.25	0.01333	0.00979	0.0021	0.00297	2.18E-03	7.59E-03	4.03E-04	2.19E-04	1.04E-02	2.15E-03	3.29E-07	4.42E-06	6.39E-06	2.16E-03	2.61E-03	7.59E-03	4.03E-04	2.19E-04	1.08E-02
3628	480363.09	3850877.25	0.01771	0.00944	0.0021	0.00305	2.90E-03	7.32E-03	3.99E-04	2.25E-04	1.08E-02	2.85E-03	3.17E-07	4.38E-06	6.57E-06	2.86E-03	3.47E-03	7.32E-03	3.99E-04	2.25E-04	1.14E-02
3629	480863.09	3850877.25	0.02052	0.00837	0.0021	0.00325	3.36E-03	6.49E-03	4.01E-04	2.39E-04	1.05E-02	3.31E-03	2.81E-07	4.40E-06	7.00E-06	3.32E-03	4.02E-03	6.49E-03	4.01E-04	2.39E-04	1.11E-02
3630	481363.09	3850877.25	0.01747	0.00695	0.0023	0.0034	2.86E-03	5.39E-03	4.52E-04	2.50E-04	8.95E-03	2.81E-03	2.33E-07	4.95E-06	7.32E-06	2.83E-03	3.42E-03	5.39E-03	4.52E-04	2.50E-04	9.51E-03
3631	481863.09	3850877.25	0.01412	0.00565	0.0031	0.00358	2.31E-03	4.38E-03	6.05E-04	2.64E-04	7.56E-03	2.28E-03	1.90E-07	6.63E-06	7.71E-06	2.29E-03	2.76E-03	4.38E-03	6.05E-04	2.64E-04	8.01E-03
3632	482363.09	3850877.25	0.01127	0.00434	0.0034	0.00378	1.84E-03	3.37E-03	6.57E-04	2.78E-04	6.15E-03	1.82E-03	1.46E-07	7.21E-06	8.14E-06	1.83E-03	2.21E-03	3.37E-03	6.57E-04	2.78E-04	6.51E-03
3633	482863.09	3850877.25	0.00889	0.00361	0.0028	0.00388	1.45E-03	2.80E-03	5.51E-04	2.86E-04	5.09E-03	1.43E-03	1.21E-07	6.04E-06	8.35E-06	1.45E-03	1.74E-03	2.80E-03	5.51E-04	2.86E-04	5.38E-03
3634	483363.09	3850877.25	0.00653	0.00294	0.0028	0.00344	1.07E-03	2.28E-03	5.41E-04	2.53E-04	4.14E-03	1.05E-03	9.88E-08	5.93E-06	7.41E-06	1.07E-03	1.28E-03	2.28E-03	5.41E-04	2.53E-04	4.35E-03
3635	483863.09	3850877.25	0.00607	0.00283	0.003	0.00335	9.93E-04	2.20E-03	5.88E-04	2.47E-04	4.02E-03	9.78E-04	9.51E-08	6.44E-06	7.21E-06	9.92E-04	1.19E-03	2.20E-03	5.88E-04	2.47E-04	4.22E-03
3636	484363.09	3850877.25	0.00731	0.00312	0.0034	0.00348	1.20E-03	2.42E-03	6.67E-04	2.56E-04	4.54E-03	1.18E-03	1.05E-07	7.31E-06	7.49E-06	1.19E-03	1.43E-03	2.42E-03	6.67E-04	2.56E-04	4.77E-03
3637	484863.09	3850877.25	0.00735	0.00299	0.0034	0.00368	1.20E-03	2.32E-03	6.59E-04	2.71E-04	4.45E-03	1.18E-03	1.00E-07	7.23E-06	7.92E-06	1.20E-03	1.44E-03	2.32E-03	6.59E-04	2.71E-04	4.69E-03
3638	485363.09	3850877.25	0.0071	0.00316	0.004	0.00387	1.16E-03	2.45E-03	7.76E-04	2.85E-04	4.67E-03	1.14E-03	1.06E-07	8.50E-06	8.33E-06	1.16E-03	1.39E-03	2.45E-03	7.76E-04	2.85E-04	4.90E-03
3639	485863.09	3850877.25	0.00582	0.00284	0.0048	0.00379	9.52E-04	2.20E-03	9.33E-04	2.79E-04	4.37E-03	9.38E-04	9.54E-08	1.02E-05	8.16E-06	9.56E-04	1.14E-03	2.20E-03	9.33E-04	2.79E-04	4.55E-03
3640	486363.09	3850877.25	0.00568	0.00289	0.0049	0.00388	9.29E-04	2.24E-03	9.48E-04	2.86E-04	4.40E-03	9.15E-04	9.71E-08	1.04E-05	8.35E-06	9.34E-04	1.11E-03	2.24E-03	9.48E-04	2.86E-04	4.59E-03
3641	486863.09	3850877.25	0.00538	0.00293	0.0042	0.00391	8.80E-04	2.27E-03	8.16E-04	2.88E-04	4.26E-03	8.67E-04	9.84E-08	8.95E-06	8.42E-06	8.84E-04	1.05E-03	2.27E-03	8.16E-04	2.88E-04	4.43E-03
3642	487363.09	3850877.25	0.00483	0.00282	0.003	0.00384	7.90E-04	2.19E-03	5.89E-04	2.83E-04	3.85E-03	7.78E-04	9.47E-08	6.46E-06	8.27E-06	7.93E-04	9.45E-04	2.19E-03	5.89E-04	2.83E-04	4.00E-03
3643	487863.09	3850877.25	0.00482	0.00275	0.0027	0.0039	7.88E-04	2.13E-03	5.20E-04	2.87E-04	3.73E-03	7.77E-04	9.24E-08	5.70E-06	8.40E-06	7.91E-04	9.43E-04	2.13E-03	5.20E-04	2.87E-04	3.88E-03
3644	488363.09	3850877.25	0.00513	0.00284	0.003	0.00406	8.39E-04	2.20E-03	5.72E-04	2.99E-04	3.91E-03	8.27E-04	9.54E-08	6.27E-06	8.74E-06	8.42E-04	1.00E-03	2.20E-03	5.72E-04	2.99E-04	4.08E-03
3645	488863.09	3850877.25	0.0052	0.00289	0.0034	0.0043	8.51E-04	2.24E-03	6.65E-04	3.17E-04	4.07E-03	8.38E-04	9.71E-08	7.29E-06	9.26E-06	8.55E-04	1.02E-03	2.24E-03	6.65E-04	3.17E-04	4.24E-03
3646	489363.09	3850877.25	0.00527	0.00298	0.0037	0.00457	8.62E-04	2.31E-03	7.14E-04	3.36E-04	4.22E-03	8.49E-04	1.00E-07	7.82E-06	9.84E-06	8.67E-04	1.03E-03	2.31E-03	7.14E-04	3.36E-04	4.39E-03
3647	489863.09	3850877.25	0.00537	0.00299	0.0035	0.00477	8.78E-04	2.32E-03	6.83E-04	3.51E-04	4.23E-03	8.65E-04	1.00E-07	7.48E-06	1.03E-05	8.83E-04	1.05E-03	2.32E-03	6.83E-04	3.51E-04	4.40E-03
3648	490363.09	3850877.25	0.00551	0.00311	0.0037	0.00489	9.01E-04	2.41E-03	7.08E-04	3.60E-04	4.38E-03	8.88E-04	1.04E-07	7.76E-06	1.05E-05	9.06E-04	1.08E-03	2.41E-03	7.08E-04	3.60E-04	4.56E-03
3649	490863.09	3850877.25	0.00574	0.00322	0.0036	0.00503	9.39E-04	2.50E-03	6.96E-04	3.70E-04	4.50E-03	9.25E-04	1.08E-07	7.63E-06	1.08E-05	9.43E-04	1.12E-03	2.50E-03	6.96E-04	3.70E-04	4.69E-03
3650	491363.09	3850877.25	0.00587	0.00326	0.0032	0.00516	9.60E-04	2.53E-03	6.28E-04	3.80E-04	4.50E-03	9.46E-04	1.10E-07	6.89E-06	1.11E-05	9.64E-04	1.15E-03	2.53E-03	6.28E-04	3.80E-04	4.69E-03
3651	491863.09	3850877.25	0.00599	0.00327	0.003	0.00531	9.80E-04	2.54E-03	5.74E-04	3.91E-04	4.48E-03	9.65E-04	1.10E-07	6.29E-06	1.14E-05	9.83E-04	1.17E-03	2.54E-03	5.74E-04	3.91E-04	4.67E-03
3652	492363.09	3850877.25	0.00605	0.00333	0.003	0.00544	9.90E-04	2.58E-03	5.72E-04	4.01E-04	4.55E-03	9.75E-04	1.12E-07	6.27E-06	1.17E-05	9.93E-04	1.18E-03	2.58E-03	5.72E-04	4.01E-04	4.74E-03
3653	492863.09	3850877.25	0.00626	0.00346	0.0031	0.0056	1.02E-03	2.68E-03	5.93E-04	4.12E-04	4.71E-03	1.01E-03	1.16E-07	6.51E-06	1.21E-05	1.03E-03	1.22E-03	2.68E-03	5.93E-04	4.12E-04	4.91E-03
3654	493363.09	3850877.25	0.00666	0.00361	0.0035	0.00574	1.09E-03	2.80E-03	6.73E-04	4.23E-04	4.99E-03	1.07E-03	1.21E-07	7.38E-06	1.24E-05	1.09E-03	1.30E-03	2.80E-03	6.73E-04	4.23E-04	5.20E-03
3655	493863.09	3850877.25	0.00765	0.00396	0.0041	0.00595	1.25E-03	3.07E-03	7.93E-04	4.38E-04	5.55E-03	1.23E-03	1.33E-07	8.70E-06	1.28E-05	1.25E-03	1.50E-03	3.07E-03	7.93E-04	4.38E-04	5.80E-03
3656	494363.09	3850877.25	0.00835	0.0042	0.0047	0.00612	1.37E-03	3.26E-03	9.09E-04	4.51E-04	5.98E-03	1.35E-03	1.41E-07	9.97E-06	1.32E-05	1.37E-03	1.63E-03	3.26E-03	9.09E-04	4.51E-04	6.25E-03

3657	494863.09	3850877.25	0.00959	0.00463	0.0053	0.00634	1.57E-03	3.59E-03	1.02E-03	4.67E-04	6.65E-03	1.55E-03	1.56E-07	1.12E-05	1.36E-05	1.57E-03	1.88E-03	3.59E-03	1.02E-03	4.67E-04	6.96E-03
3658	495363.09	3850877.25	0.01095	0.0051	0.0058	0.0066	1.79E-03	3.96E-03	1.12E-03	4.86E-04	7.35E-03	1.76E-03	1.71E-07	1.23E-05	1.42E-05	1.79E-03	2.14E-03	3.96E-03	1.12E-03	4.86E-04	7.71E-03
3659	495863.09	3850877.25	0.01151	0.00528	0.0058	0.00677	1.88E-03	4.10E-03	1.13E-03	4.98E-04	7.61E-03	1.85E-03	1.77E-07	1.24E-05	1.46E-05	1.88E-03	2.25E-03	4.10E-03	1.13E-03	4.98E-04	7.98E-03
3660	496363.09	3850877.25	0.01236	0.00556	0.0058	0.00698	2.02E-03	4.31E-03	1.12E-03	5.14E-04	7.97E-03	1.99E-03	1.87E-07	1.23E-05	1.50E-05	2.02E-03	2.42E-03	4.31E-03	1.12E-03	5.14E-04	8.36E-03
3661	496863.09	3850877.25	0.01361	0.006	0.0059	0.00718	2.23E-03	4.65E-03	1.15E-03	5.29E-04	8.56E-03	2.19E-03	2.02E-07	1.26E-05	1.55E-05	2.22E-03	2.66E-03	4.65E-03	1.15E-03	5.29E-04	9.00E-03
3662	497363.09	3850877.25	0.01387	0.00615	0.0061	0.0073	2.27E-03	4.77E-03	1.19E-03	5.37E-04	8.76E-03	2.23E-03	2.07E-07	1.30E-05	1.57E-05	2.26E-03	2.71E-03	4.77E-03	1.19E-03	5.37E-04	9.21E-03
3663	497863.09	3850877.25	0.01379	0.00621	0.0065	0.00738	2.26E-03	4.82E-03	1.26E-03	5.43E-04	8.87E-03	2.22E-03	2.09E-07	1.38E-05	1.59E-05	2.25E-03	2.70E-03	4.82E-03	1.26E-03	5.43E-04	9.32E-03
3664	498363.09	3850877.25	0.01364	0.00626	0.0069	0.00744	2.23E-03	4.86E-03	1.34E-03	5.48E-04	8.97E-03	2.20E-03	2.10E-07	1.46E-05	1.60E-05	2.23E-03	2.67E-03	4.86E-03	1.34E-03	5.48E-04	9.41E-03
3665	471363.09	3851377.25	0.00668	0.00341	0.0027	0.00266	1.09E-03	2.65E-03	5.20E-04	1.96E-04	4.45E-03	1.08E-03	1.15E-07	5.70E-06	5.73E-06	1.09E-03	1.31E-03	2.65E-03	5.20E-04	1.96E-04	4.67E-03
3666	471863.09	3851377.25	0.0079	0.00417	0.0027	0.00274	1.29E-03	3.23E-03	5.31E-04	2.02E-04	5.26E-03	1.27E-03	1.40E-07	5.83E-06	5.90E-06	1.28E-03	1.55E-03	3.23E-03	5.31E-04	2.02E-04	5.51E-03
3667	472363.09	3851377.25	0.008	0.00433	0.0026	0.00275	1.31E-03	3.36E-03	5.12E-04	2.02E-04	5.38E-03	1.29E-03	1.45E-07	5.61E-06	5.92E-06	1.30E-03	1.57E-03	3.36E-03	5.12E-04	2.02E-04	5.64E-03
3668	472863.09	3851377.25	0.00797	0.00451	0.0025	0.00277	1.30E-03	3.50E-03	4.87E-04	2.04E-04	5.49E-03	1.28E-03	1.51E-07	5.34E-06	5.96E-06	1.30E-03	1.56E-03	3.50E-03	4.87E-04	2.04E-04	5.75E-03
3669	473363.09	3851377.25	0.00729	0.00423	0.0023	0.00275	1.19E-03	3.28E-03	4.48E-04	2.02E-04	5.12E-03	1.17E-03	1.42E-07	4.91E-06	5.92E-06	1.19E-03	1.43E-03	3.28E-03	4.48E-04	2.02E-04	5.36E-03
3670	473863.09	3851377.25	0.00741	0.00466	0.0022	0.00278	1.21E-03	3.61E-03	4.21E-04	2.05E-04	5.45E-03	1.19E-03	1.57E-07	4.61E-06	5.98E-06	1.20E-03	1.45E-03	3.61E-03	4.21E-04	2.05E-04	5.69E-03
3671	474363.09	3851377.25	0.00818	0.00583	0.0021	0.00281	1.34E-03	4.52E-03	3.98E-04	2.07E-04	6.46E-03	1.32E-03	1.96E-07	4.36E-06	6.05E-06	1.33E-03	1.60E-03	4.52E-03	3.98E-04	2.07E-04	6.73E-03
3672	474863.09	3851377.25	0.00881	0.00686	0.0019	0.00284	1.44E-03	5.32E-03	3.72E-04	2.09E-04	7.34E-03	1.42E-03	2.30E-07	4.08E-06	6.11E-06	1.43E-03	1.72E-03	5.32E-03	3.72E-04	2.09E-04	7.63E-03
3673	475363.09	3851377.25	0.00945	0.00754	0.0019	0.00287	1.55E-03	5.85E-03	3.59E-04	2.11E-04	7.96E-03	1.52E-03	2.53E-07	3.93E-06	6.18E-06	1.53E-03	1.85E-03	5.85E-03	3.59E-04	2.11E-04	8.27E-03
3674	475863.09	3851377.25	0.01026	0.00784	0.0019	0.00291	1.68E-03	6.08E-03	3.61E-04	2.14E-04	8.33E-03	1.65E-03	2.63E-07	3.95E-06	6.26E-06	1.66E-03	2.01E-03	6.08E-03	3.61E-04	2.14E-04	8.66E-03
3675	476363.09	3851377.25	0.01138	0.00802	0.0019	0.00296	1.86E-03	6.22E-03	3.74E-04	2.18E-04	8.67E-03	1.83E-03	2.69E-07	4.10E-06	6.37E-06	1.84E-03	2.23E-03	6.22E-03	3.74E-04	2.18E-04	9.04E-03
3676	476863.09	3851377.25	0.01266	0.0078	0.002	0.00301	2.07E-03	6.05E-03	3.90E-04	2.22E-04	8.73E-03	2.04E-03	2.62E-07	4.27E-06	6.48E-06	2.05E-03	2.48E-03	6.05E-03	3.90E-04	2.22E-04	9.14E-03
3677	477363.09	3851377.25	0.0137	0.00812	0.0021	0.00306	2.24E-03	6.30E-03	3.99E-04	2.25E-04	9.16E-03	2.21E-03	2.73E-07	4.38E-06	6.59E-06	2.22E-03	2.68E-03	6.30E-03	3.99E-04	2.25E-04	9.60E-03
3678	477863.09	3851377.25	0.01444	0.00813	0.0021	0.0031	2.36E-03	6.31E-03	3.99E-04	2.28E-04	9.30E-03	2.33E-03	2.73E-07	4.38E-06	6.67E-06	2.34E-03	2.83E-03	6.31E-03	3.99E-04	2.28E-04	9.76E-03
3679	478363.09	3851377.25	0.01474	0.00899	0.0021	0.0031	2.41E-03	6.97E-03	3.99E-04	2.28E-04	1.00E-02	2.38E-03	3.02E-07	4.38E-06	6.67E-06	2.39E-03	2.88E-03	6.97E-03	3.99E-04	2.28E-04	1.05E-02
3680	478863.09	3851377.25	0.01481	0.01137	0.0021	0.00308	2.42E-03	8.82E-03	4.07E-04	2.27E-04	1.19E-02	2.39E-03	3.82E-07	4.46E-06	6.63E-06	2.40E-03	2.90E-03	8.82E-03	4.07E-04	2.27E-04	1.24E-02
3681	479363.09	3851377.25	0.01468	0.01287	0.0022	0.00307	2.40E-03	9.98E-03	4.21E-04	2.26E-04	1.30E-02	2.37E-03	4.32E-07	4.61E-06	6.61E-06	2.38E-03	2.87E-03	9.98E-03	4.21E-04	2.26E-04	1.35E-02
3682	479863.09	3851377.25	0.01417	0.01267	0.0022	0.00313	2.32E-03	9.83E-03	4.32E-04	2.30E-04	1.28E-02	2.28E-03	4.26E-07	4.74E-06	6.74E-06	2.30E-03	2.77E-03	9.83E-03	4.32E-04	2.30E-04	1.33E-02
3683	480363.09	3851377.25	0.01552	0.01194	0.0022	0.00321	2.54E-03	9.26E-03	4.32E-04	2.36E-04	1.25E-02	2.50E-03	4.01E-07	4.74E-06	6.91E-06	2.51E-03	3.04E-03	9.26E-03	4.32E-04	2.36E-04	1.30E-02
3684	480863.09	3851377.25	0.01989	0.01121	0.0022	0.00335	3.25E-03	8.70E-03	4.27E-04	2.47E-04	1.26E-02	3.20E-03	3.77E-07	4.68E-06	7.21E-06	3.22E-03	3.89E-03	8.70E-03	4.27E-04	2.47E-04	1.33E-02
3685	481363.09	3851377.25	0.02357	0.00971	0.0022	0.00353	3.86E-03	7.53E-03	4.30E-04	2.60E-04	1.21E-02	3.80E-03	3.26E-07	4.72E-06	7.60E-06	3.81E-03	4.61E-03	7.53E-03	4.30E-04	2.60E-04	1.28E-02
3686	481863.09	3851377.25	0.02019	0.00797	0.0025	0.00378	3.30E-03	6.18E-03	4.83E-04	2.78E-04	1.02E-02	3.25E-03	2.68E-07	5.29E-06	8.14E-06	3.27E-03	3.95E-03	6.18E-03	4.83E-04	2.78E-04	1.09E-02
3687	482363.09	3851377.25	0.0172	0.00668	0.0033	0.00409	2.81E-03	5.18E-03	6.34E-04	3.01E-04	8.93E-03	2.77E-03	2.24E-07	6.95E-06	8.80E-06	2.79E-03	3.37E-03	5.18E-03	6.34E-04	3.01E-04	9.48E-03
3688	482863.09	3851377.25	0.01417	0.00504	0.0035	0.00429	2.32E-03	3.91E-03	6.81E-04	3.16E-04	7.22E-03	2.28E-03	1.69E-07	7.46E-06	9.24E-06	2.30E-03	2.77E-03	3.91E-03	6.81E-04	3.16E-04	7.68E-03
3689	483363.09	3851377.25	0.00972	0.00384	0.0028	0.00391	1.59E-03	2.98E-03	5.51E-04	2.88E-04	5.41E-03	1.57E-03	1.29E-07	6.04E-06	8.42E-06	1.58E-03	1.90E-03	2.98E-03	5.51E-04	2.88E-04	5.72E-03
3690	483863.09	3851377.25	0.00823	0.0034	0.0032	0.00373	1.35E-03	2.64E-03	6.26E-04	2.75E-04	4.88E-03	1.33E-03	1.14E-07	6.87E-06	8.03E-06	1.34E-03	1.61E-03	2.64E-03	6.26E-04	2.75E-04	5.15E-03
3691	484363.09	3851377.25	0.01042	0.00401	0.0046	0.00387	1.70E-03	3.11E-03	8.82E-04	2.85E-04	5.98E-03	1.68E-03	1.35E-07	9.67E-06	8.33E-06	1.70E-03	2.04E-03	3.11E-03	8.82E-04	2.85E-04	6.32E-03
3692	484863.09	3851377.25	0.00755	0.00313	0.0034	0.00394	1.23E-03	2.43E-03	6.65E-04	2.90E-04	4.62E-03	1.22E-03	1.05E-07	7.29E-06	8.48E-06	1.23E-03	1.48E-03	2.43E-03	6.65E-04	2.90E-04	4.86E-03
3693	485363.09	3851377.25	0.00936	0.00373	0.004	0.00427	1.53E-03	2.89E-03	7.74E-04	3.14E-04	5.51E-03	1.51E-03	1.25E-07	8.48E-06	9.19E-06	1.53E-03	1.83E-03	2.89E-03	7.74E-04	3.14E-04	5.81E-03
3694	485863.09	3851377.25	0.0074	0.00338	0.0051	0.00429	1.21E-03	2.62E-03	9.83E-04	3.16E-04	5.13E-03	1.19E-03	1.14E-07	1.08E-05	9.24E-06	1.21E-03	1.45E-03	2.62E-03	9.83E-04	3.16E-04	5.37E-03
3695	486363.09	3851377.25	0.00734	0.00353	0.0057	0.00456	1.20E-03	2.74E-03	1.10E-03	3.36E-04	5.37E-03	1.18E-03	1.19E-07	1.20E-05	9.82E-06	1.20E-03	1.44E-03	2.74E-03	1.10E-03	3.36E-04	5.61E-03
3696	486863.09	3851377.25	0.00676	0.00349	0.0051	0.00447	1.11E-03	2.71E-03	9.97E-04	3.29E-04	5.14E-03	1.09E-03	1.17E-07	1.09E-05	9.62E-06	1.11E-03	1.32E-03	2.71E-03	9.97E-04	3.29E-04	5.36E-03
3697	487363.09	3851377.25	0.00553	0.00319	0.0034	0.00429	9.04E-04	2.47E-03	6.52E-04	3.16E-04	4.35E-03	8.91E-04	1.07E-07	7.14E-06	9.24E-06	9.08E-04	1.08E-03	2.47E-03	6.52E-04	3.16E-04	4.52E-03
3698	487863.09	3851377.25	0.00626	0.00332	0.0029	0.00447	1.02E-03	2.58E-03	5.64E-04	3.29E-04	4.49E-03	1.01E-03	1.12E-07	6.19E-06	9.62E-06	1.02E-03	1.22E-03	2.58E-03	5.64E-04	3.29E-04	4.69E-03
3699	488363.09	3851377.25	0.00671	0.00349	0.0032	0.00478	1.10E-03	2.71E-03	6.19E-04	3.52E-04	4.78E-03	1.08E-03	1.17E-07	6.78E-06	1.03E-05	1.10E-03	1.31E-03	2.71E-03	6.19E-04	3.52E-04	4.99E-03
3700	488863.09	3851377.25	0.00674	0.00363	0.0037	0.00511	1.10E-03	2.82E-03	7.19E-04	3.76E-04	5.01E-03	1.09E-03	1.22E-07	7.89E-06	1.10E-05	1.11E-03	1.32E-03	2.82E-03	7.19E-04	3.76E-04	5.23E-03
3701	489363.09	3851377.25	0.00685	0.00371	0.004	0.00535	1.12E-03	2.88E-03	7.66E-04	3.94E-04	5.16E-03	1.10E-03	1.25E-07	8.40E-06	1.15E-05	1.12E-03	1.34E-03	2.88E-03	7.66E-04	3.94E-04	5.38E-03
3702	489863.09	3851377.25	0.00705	0.00377	0.004	0.00551	1.15E-03	2.92E-03	7.72E-04	4.06E-04	5.25E-03	1.14E-03	1.27E-07	8.46E-06	1.19E-05	1.16E-03	1.38E-03	2.92E-03	7.72E-04	4.06E-04	5.48E-03
3703	490363.09	3851377.25	0.00742	0.00393	0.0041	0.00566	1.21E-03	3.05E-03	7.89E-04	4.17E-04	5.47E-03	1.20E-03	1.32E-07	8.65E-06	1.22E-05	1.22E-03	1.45E-03	3.05E-03	7.89E-04	4.17E-04	5.71E-03
3704	490863.09	3851377.25	0.00791	0.00408	0.0038	0.00583	1.29E-03	3.16E-03	7.37E-04	4.29E-04	5.62E-03	1.27E-03	1.37E-07	8.08E-06	1.26E-05	1.30E-03	1.55E-03	3.17E-03	7.37E-04	4.29E-04	5.88E-03
3705	491363.09	3851377.25	0.00816	0.00414	0.0034	0.006	1.33E-03	3.21E-03	6.50E-04	4.42E-04	5.64E-03	1.31E-03	1.39E-07	7.12E-06	1.29E-05	1.34E-03	1.60E-03	3.21E-03	6.50E-04	4.42E-04	5.90E-03
3706	491863.09	3851377.25	0.00836	0.00422	0.0032	0.00617	1.37E-03	3.27E-03	6.22E-04	4.54E-04	5.72E-03	1.35E-03	1.42E-07	6.83E-06	1.33E-05	1.37E-03	1.64E-03	3.27E-03	6.22E-04	4.54E-04	5.99E-03
3707	492363.09	3851377.25	0.00875	0.0044	0.0033	0.00632	1.43E-03	3.41E-03	6.34E-04	4.65E-04	5.94E-03	1.41E-03	1.48E-07	6.95E-06	1.36E-05	1.43E-03	1.71E-03	3.41E-03	6.34E-04	4.65E-04	6.22E-03
3708	492863.09	3851377.25	0.00904	0.0045	0.0036	0.00646	1.48E-03	3.49E-03	6.98E-04	4.76E-04	6.14E-03	1.46E-03	1.51E-07	7.65E-06	1.39E-05	1.48E-03	1.77E-03	3.49E-03	6.98E-04	4.76E-04	6.43E-03
3709	493363.09	3851377.25	0.0086	0.00433	0.0042	0.00656	1.41E-03	3.36E-03	8.18E-04	4.83E-04	6.07E-03	1.39E-03	1.45E-07	8.97E-06	1.41E-05	1.41E-03	1.68E-03	3.36E-03	8.18E-04	4.83E-04	6.34E-03
3710	493863.09	3851377.25	0.0098	0.00473	0.0049	0.00679	1.60E-03	3.67E-03	9.52E-04	5.00E-04	6.72E-03	1.58E-03	1.59E-07	1.04E-05	1.46E-05	1.60E-03	1.92E-03	3.67E-03	9.52E-04	5.00E-04	7.04E-03
3711	494363.09	3851377.25	0.01206	0.00547	0.0057	0.00707	1.97E-03	4.24E-03	1.10E-03	5.21E-04	7.84E-03	1.94E-03	1.84E-07	1.21E-05	1.52E-05	1.97E-03	2.36E-03	4.24E-03	1.10E-03	5.21E-04	8.22E-03
3712	494863.09	3851377.25	0.01294	0.00578	0.0062	0.00729	2.12E-03	4.48E-03	1.20E-03	5.37E-04	8.33E-03	2.09E-03	1.94E-07	1.31E-05	1.57E-05	2.11E-03	2.53E-03	4.48E-03	1.20E-03	5.37E-04	8.75E-03
3713	495363.09	3851377.25	0.01532	0.00653	0.0068	0.00764	2.51E-03	5.07E-03	1.31E-03	5.62E-04	9.45E-03	2.47E-03	2.19E-07	1.44E-05	1.64E-05	2.50E-03	3.00E-03	5.07E-03	1.31E-03	5.62E-04	9.94E-03
3714	495863.09	3851377.25	0.01642	0.0069	0.0066	0.00784	2.69E-03	5.35E-03	1.27E-03	5.77E-04	9.89E-03	2.65E-03	2.32E-07	1.40E-05	1.69E-05	2.68E-03	3.21E-03	5.35E-03	1.27E-03	5.77E-04	1.04E-02
3715	496363.09	3851377.25	0.01704	0.00714	0.0065	0.00798	2.79E-03	5.54E-03	1.27E-03	5.88E-04	1.02E-02	2.75E-03	2.40E-07	1.39E-05	1.72E-05	2.78E-03	3.33E-03	5.54E-03	1.27E-03	5.88E-04	1.07E-02
3716	496863.09	3851377.25	0.01728	0.0073	0.0068	0.00807	2.83E-03	5.66E-03	1.32E-03	5.94E-04	1.04E-02	2.78E-03	2.45E-07	1.45E-05	1.74E-05	2.82E-03	3.38E-03	5.66E-03	1.32E-03	5.94E-04	1.10E-02
3717	497363.09	3851377.25	0.01738	0.00744	0.0072	0.00816	2.84E-03	5.77E-03	1.40E-03	6.01E-04	1.06E-02	2.80E-03	2.50E-07	1.54E-05	1.76E-05	2.83E-03	3.40E-03	5.77E-03	1.40E-03	6.01E-04	1.12E-02

3718	497863.09	3851377.25	0.01721	0.00749	0.0077	0.00819	2.81E-03	5.81E-03	1.48E-03	6.03E-04	1.07E-02	2.77E-03	2.52E-07	1.63E-05	1.76E-05	2.81E-03	3.37E-03	5.81E-03	1.48E-03	6.03E-04	1.13E-02
3719	498363.09	3851377.25	0.01637	0.00733	0.008	0.00817	2.68E-03	5.69E-03	1.55E-03	6.02E-04	1.05E-02	2.64E-03	2.46E-07	1.70E-05	1.76E-05	2.67E-03	3.20E-03	5.69E-03	1.55E-03	6.02E-04	1.10E-02
3720	471363.09	3851877.25	0.00695	0.00377	0.0029	0.00283	1.14E-03	2.92E-03	5.66E-04	2.08E-04	4.84E-03	1.12E-03	1.27E-07	6.21E-06	6.09E-06	1.13E-03	1.36E-03	2.92E-03	5.66E-04	2.08E-04	5.06E-03
3721	471863.09	3851877.25	0.007	0.00366	0.0029	0.00286	1.14E-03	2.84E-03	5.66E-04	2.11E-04	4.76E-03	1.13E-03	1.23E-07	6.21E-06	6.16E-06	1.14E-03	1.37E-03	2.84E-03	5.66E-04	2.11E-04	4.99E-03
3722	472363.09	3851877.25	0.00791	0.00407	0.003	0.00293	1.29E-03	3.16E-03	5.82E-04	2.16E-04	5.25E-03	1.27E-03	1.37E-07	6.38E-06	6.31E-06	1.29E-03	1.55E-03	3.16E-03	5.82E-04	2.16E-04	5.50E-03
3723	472863.09	3851877.25	0.00873	0.00451	0.003	0.00298	1.43E-03	3.50E-03	5.82E-04	2.19E-04	5.73E-03	1.41E-03	1.51E-07	6.38E-06	6.42E-06	1.42E-03	1.71E-03	3.50E-03	5.82E-04	2.19E-04	6.01E-03
3724	473363.09	3851877.25	0.0085	0.00432	0.0028	0.00297	1.39E-03	3.35E-03	5.49E-04	2.19E-04	5.51E-03	1.37E-03	1.45E-07	6.02E-06	6.39E-06	1.38E-03	1.66E-03	3.35E-03	5.49E-04	2.19E-04	5.78E-03
3725	473863.09	3851877.25	0.00866	0.00446	0.0027	0.00299	1.42E-03	3.46E-03	5.24E-04	2.20E-04	5.62E-03	1.40E-03	1.50E-07	5.74E-06	6.44E-06	1.41E-03	1.69E-03	3.46E-03	5.24E-04	2.20E-04	5.90E-03
3726	474363.09	3851877.25	0.00944	0.00527	0.0026	0.00304	1.54E-03	4.09E-03	5.06E-04	2.24E-04	6.36E-03	1.52E-03	1.77E-07	5.55E-06	6.54E-06	1.53E-03	1.85E-03	4.09E-03	5.06E-04	2.24E-04	6.67E-03
3727	474863.09	3851877.25	0.00997	0.00639	0.0025	0.00308	1.63E-03	4.96E-03	4.75E-04	2.27E-04	7.29E-03	1.61E-03	2.15E-07	5.21E-06	6.63E-06	1.62E-03	1.95E-03	4.96E-03	4.75E-04	2.27E-04	7.61E-03
3728	475363.09	3851877.25	0.01021	0.00721	0.0023	0.00309	1.67E-03	5.59E-03	4.36E-04	2.27E-04	7.93E-03	1.65E-03	2.42E-07	4.78E-06	6.65E-06	1.66E-03	2.00E-03	5.59E-03	4.36E-04	2.27E-04	8.25E-03
3729	475863.09	3851877.25	0.01048	0.00764	0.0021	0.00312	1.71E-03	5.93E-03	4.03E-04	2.30E-04	8.27E-03	1.69E-03	2.57E-07	4.42E-06	6.72E-06	1.70E-03	2.05E-03	5.93E-03	4.03E-04	2.30E-04	8.61E-03
3730	476363.09	3851877.25	0.01072	0.00724	0.002	0.00315	1.75E-03	5.62E-03	3.84E-04	2.32E-04	7.99E-03	1.73E-03	2.43E-07	4.21E-06	6.78E-06	1.74E-03	2.10E-03	5.62E-03	3.84E-04	2.32E-04	8.33E-03
3731	476863.09	3851877.25	0.01185	0.00787	0.002	0.0032	1.94E-03	6.10E-03	3.86E-04	2.36E-04	8.66E-03	1.91E-03	2.64E-07	4.23E-06	6.89E-06	1.92E-03	2.32E-03	6.11E-03	3.86E-04	2.36E-04	9.05E-03
3732	477363.09	3851877.25	0.01347	0.00832	0.0021	0.00325	2.20E-03	6.45E-03	4.01E-04	2.39E-04	9.30E-03	2.17E-03	2.79E-07	4.40E-06	7.00E-06	2.18E-03	2.64E-03	6.45E-03	4.01E-04	2.39E-04	9.73E-03
3733	477863.09	3851877.25	0.01522	0.00836	0.0022	0.00332	2.49E-03	6.48E-03	4.17E-04	2.44E-04	9.64E-03	2.45E-03	2.81E-07	4.57E-06	7.15E-06	2.46E-03	2.98E-03	6.49E-03	4.17E-04	2.44E-04	1.01E-02
3734	478363.09	3851877.25	0.01659	0.00801	0.0022	0.00337	2.71E-03	6.21E-03	4.23E-04	2.48E-04	9.60E-03	2.67E-03	2.69E-07	4.64E-06	7.25E-06	2.69E-03	3.25E-03	6.21E-03	4.23E-04	2.48E-04	1.01E-02
3735	478863.09	3851877.25	0.01737	0.00919	0.0022	0.00339	2.84E-03	7.13E-03	4.25E-04	2.50E-04	1.06E-02	2.80E-03	3.09E-07	4.66E-06	7.30E-06	2.81E-03	3.40E-03	7.13E-03	4.25E-04	2.50E-04	1.12E-02
3736	479363.09	3851877.25	0.01774	0.01258	0.0022	0.00338	2.90E-03	9.76E-03	4.30E-04	2.49E-04	1.33E-02	2.86E-03	4.23E-07	4.72E-06	7.28E-06	2.87E-03	3.47E-03	9.76E-03	4.30E-04	2.49E-04	1.39E-02
3737	479863.09	3851877.25	0.01767	0.01483	0.0023	0.00339	2.89E-03	1.15E-02	4.46E-04	2.50E-04	1.51E-02	2.85E-03	4.98E-07	4.89E-06	7.30E-06	2.86E-03	3.46E-03	1.15E-02	4.46E-04	2.50E-04	1.57E-02
3738	480363.09	3851877.25	0.01716	0.01439	0.0024	0.00346	2.81E-03	1.12E-02	4.60E-04	2.55E-04	1.47E-02	2.77E-03	4.83E-07	5.04E-06	7.45E-06	2.78E-03	3.36E-03	1.12E-02	4.60E-04	2.55E-04	1.52E-02
3739	480863.09	3851877.25	0.01801	0.01381	0.0024	0.00356	2.95E-03	1.07E-02	4.63E-04	2.62E-04	1.44E-02	2.90E-03	4.64E-07	5.08E-06	7.66E-06	2.92E-03	3.52E-03	1.07E-02	4.63E-04	2.62E-04	1.50E-02
3740	481363.09	3851877.25	0.02393	0.01304	0.0024	0.00377	3.91E-03	1.01E-02	4.61E-04	2.78E-04	1.48E-02	3.86E-03	4.38E-07	5.06E-06	8.12E-06	3.87E-03	4.68E-03	1.01E-02	4.61E-04	2.78E-04	1.55E-02
3741	481863.09	3851877.25	0.0279	0.01075	0.0024	0.00401	4.56E-03	8.34E-03	4.61E-04	2.95E-04	1.37E-02	4.50E-03	3.61E-07	5.06E-06	8.63E-06	4.51E-03	5.46E-03	8.34E-03	4.61E-04	2.95E-04	1.46E-02
3742	482363.09	3851877.25	0.02219	0.00746	0.0028	0.00443	3.63E-03	5.79E-03	5.47E-04	3.26E-04	1.03E-02	3.58E-03	2.51E-07	6.00E-06	9.54E-06	3.59E-03	4.34E-03	5.79E-03	5.47E-04	3.26E-04	1.10E-02
3743	482863.09	3851877.25	0.01548	0.00531	0.004	0.00455	2.53E-03	4.12E-03	7.70E-04	3.35E-04	7.76E-03	2.49E-03	1.78E-07	8.44E-06	9.80E-06	2.51E-03	3.03E-03	4.12E-03	7.70E-04	3.35E-04	8.25E-03
3744	483363.09	3851877.25	0.01553	0.00531	0.0036	0.00464	2.54E-03	4.12E-03	6.96E-04	3.42E-04	7.70E-03	2.50E-03	1.78E-07	7.63E-06	9.99E-06	2.52E-03	3.04E-03	4.12E-03	6.96E-04	3.42E-04	8.20E-03
3745	483863.09	3851877.25	0.01361	0.00472	0.0033	0.00442	2.23E-03	3.66E-03	6.48E-04	3.25E-04	6.86E-03	2.19E-03	1.59E-07	7.10E-06	9.52E-06	2.21E-03	2.66E-03	3.66E-03	6.48E-04	3.25E-04	7.30E-03
3746	484363.09	3851877.25	0.01438	0.00495	0.0048	0.00436	2.35E-03	3.84E-03	9.35E-04	3.21E-04	7.45E-03	2.32E-03	1.66E-07	1.02E-05	9.39E-06	2.34E-03	2.81E-03	3.84E-03	9.35E-04	3.21E-04	7.91E-03
3747	484863.09	3851877.25	0.01268	0.00442	0.0047	0.00453	2.07E-03	3.43E-03	9.07E-04	3.34E-04	6.74E-03	2.04E-03	1.48E-07	9.95E-06	9.75E-06	2.06E-03	2.48E-03	3.43E-03	9.07E-04	3.34E-04	7.15E-03
3748	485363.09	3851877.25	0.01202	0.0045	0.0041	0.00474	1.97E-03	3.49E-03	7.89E-04	3.49E-04	6.59E-03	1.94E-03	1.51E-07	8.65E-06	1.02E-05	1.96E-03	2.35E-03	3.49E-03	7.89E-04	3.49E-04	6.98E-03
3749	485863.09	3851877.25	0.01157	0.0046	0.0051	0.00527	1.89E-03	3.57E-03	9.97E-04	3.88E-04	6.85E-03	1.86E-03	1.55E-07	1.09E-05	1.13E-05	1.89E-03	2.26E-03	3.57E-03	9.97E-04	3.88E-04	7.22E-03
3750	486363.09	3851877.25	0.00902	0.00417	0.0062	0.00528	1.48E-03	3.23E-03	1.21E-03	3.89E-04	6.30E-03	1.45E-03	1.40E-07	1.32E-05	1.14E-05	1.48E-03	1.77E-03	3.23E-03	1.21E-03	3.89E-04	6.59E-03
3751	486863.09	3851877.25	0.00844	0.00418	0.0061	0.00513	1.38E-03	3.24E-03	1.18E-03	3.78E-04	6.18E-03	1.36E-03	1.40E-07	1.29E-05	1.10E-05	1.38E-03	1.65E-03	3.24E-03	1.18E-03	3.78E-04	6.45E-03
3752	487363.09	3851877.25	0.00822	0.00419	0.0042	0.00512	1.34E-03	3.25E-03	8.07E-04	3.77E-04	5.78E-03	1.32E-03	1.41E-07	8.84E-06	1.10E-05	1.34E-03	1.61E-03	3.25E-03	8.07E-04	3.77E-04	6.04E-03
3753	487863.09	3851877.25	0.00739	0.00391	0.0031	0.00533	1.21E-03	3.03E-03	6.09E-04	3.92E-04	5.24E-03	1.19E-03	1.31E-07	6.68E-06	1.15E-05	1.21E-03	1.45E-03	3.03E-03	6.09E-04	3.92E-04	5.48E-03
3754	488363.09	3851877.25	0.00775	0.00415	0.0034	0.00571	1.27E-03	3.22E-03	6.65E-04	4.20E-04	5.57E-03	1.25E-03	1.39E-07	7.29E-06	1.23E-05	1.27E-03	1.52E-03	3.22E-03	6.65E-04	4.20E-04	5.82E-03
3755	488863.09	3851877.25	0.00748	0.00419	0.004	0.00593	1.22E-03	3.25E-03	7.76E-04	4.37E-04	5.69E-03	1.21E-03	1.41E-07	8.50E-06	1.28E-05	1.23E-03	1.46E-03	3.25E-03	7.76E-04	4.37E-04	5.93E-03
3756	489363.09	3851877.25	0.00766	0.00424	0.0042	0.00615	1.25E-03	3.29E-03	8.11E-04	4.53E-04	5.81E-03	1.23E-03	1.42E-07	8.89E-06	1.32E-05	1.26E-03	1.50E-03	3.29E-03	8.11E-04	4.53E-04	6.05E-03
3757	489863.09	3851877.25	0.00825	0.00438	0.0041	0.00636	1.35E-03	3.40E-03	7.91E-04	4.68E-04	6.01E-03	1.33E-03	1.47E-07	8.67E-06	1.37E-05	1.35E-03	1.61E-03	3.40E-03	7.91E-04	4.68E-04	6.27E-03
3758	490363.09	3851877.25	0.00927	0.00469	0.0042	0.00656	1.52E-03	3.64E-03	8.11E-04	4.83E-04	6.45E-03	1.49E-03	1.58E-07	8.89E-06	1.41E-05	1.52E-03	1.81E-03	3.64E-03	8.11E-04	4.83E-04	6.75E-03
3759	490863.09	3851877.25	0.01033	0.00503	0.0039	0.0068	1.69E-03	3.90E-03	7.64E-04	5.01E-04	6.86E-03	1.66E-03	1.69E-07	8.38E-06	1.46E-05	1.69E-03	2.02E-03	3.90E-03	7.64E-04	5.01E-04	7.19E-03
3760	491363.09	3851877.25	0.01142	0.00535	0.0037	0.00704	1.87E-03	4.15E-03	7.21E-04	5.18E-04	7.26E-03	1.84E-03	1.80E-07	7.91E-06	1.52E-05	1.86E-03	2.23E-03	4.15E-03	7.21E-04	5.18E-04	7.62E-03
3761	491863.09	3851877.25	0.01242	0.00566	0.0037	0.00725	2.03E-03	4.39E-03	7.25E-04	5.34E-04	7.68E-03	2.00E-03	1.90E-07	7.95E-06	1.56E-05	2.03E-03	2.43E-03	4.39E-03	7.25E-04	5.34E-04	8.08E-03
3762	492363.09	3851877.25	0.01282	0.00578	0.0038	0.00741	2.10E-03	4.48E-03	7.43E-04	5.46E-04	7.87E-03	2.07E-03	1.94E-07	8.14E-06	1.60E-05	2.09E-03	2.51E-03	4.48E-03	7.43E-04	5.46E-04	8.28E-03
3763	492863.09	3851877.25	0.01173	0.00542	0.0044	0.00746	1.92E-03	4.20E-03	8.55E-04	5.49E-04	7.53E-03	1.89E-03	1.82E-07	9.38E-06	1.61E-05	1.92E-03	2.30E-03	4.20E-03	8.55E-04	5.49E-04	7.90E-03
3764	493363.09	3851877.25	0.01458	0.00626	0.0055	0.00781	2.38E-03	4.86E-03	1.07E-03	5.75E-04	8.88E-03	2.35E-03	2.10E-07	1.17E-05	1.68E-05	2.38E-03	2.85E-03	4.86E-03	1.07E-03	5.75E-04	9.35E-03
3765	493863.09	3851877.25	0.01783	0.00727	0.0067	0.00819	2.92E-03	5.64E-03	1.31E-03	6.03E-04	1.05E-02	2.87E-03	2.44E-07	1.43E-05	1.76E-05	2.91E-03	3.49E-03	5.64E-03	1.31E-03	6.03E-04	1.10E-02
3766	494363.09	3851877.25	0.0178	0.00731	0.0073	0.00831	2.91E-03	5.67E-03	1.42E-03	6.12E-04	1.06E-02	2.87E-03	2.46E-07	1.55E-05	1.79E-05	2.90E-03	3.48E-03	5.67E-03	1.42E-03	6.12E-04	1.12E-02
3767	494863.09	3851877.25	0.02007	0.00803	0.0075	0.00861	3.28E-03	6.23E-03	1.45E-03	6.34E-04	1.16E-02	3.23E-03	2.70E-07	1.59E-05	1.85E-05	3.27E-03	3.93E-03	6.23E-03	1.45E-03	6.34E-04	1.22E-02
3768	495363.09	3851877.25	0.02149	0.0085	0.0073	0.00883	3.51E-03	6.59E-03	1.42E-03	6.50E-04	1.22E-02	3.46E-03	2.86E-07	1.56E-05	1.90E-05	3.50E-03	4.21E-03	6.59E-03	1.42E-03	6.50E-04	1.29E-02
3769	495863.09	3851877.25	0.02238	0.00886	0.0074	0.00897	3.66E-03	6.87E-03	1.43E-03	6.60E-04	1.26E-02	3.61E-03	2.98E-07	1.57E-05	1.93E-05	3.64E-03	4.38E-03	6.87E-03	1.43E-03	6.60E-04	1.33E-02
3770	496363.09	3851877.25	0.02227	0.00893	0.0076	0.00903	3.64E-03	6.93E-03	1.48E-03	6.65E-04	1.27E-02	3.59E-03	3.00E-07	1.62E-05	1.94E-05	3.62E-03	4.36E-03	6.93E-03	1.48E-03	6.65E-04	1.34E-02
3771	496863.09	3851877.25	0.02199	0.00894	0.0081	0.00904	3.60E-03	6.93E-03	1.58E-03	6.66E-04	1.28E-02	3.54E-03	3.00E-07	1.73E-05	1.95E-05	3.58E-03	4.30E-03	6.94E-03	1.58E-03	6.66E-04	1.35E-02
3772	497363.09	3851877.25	0.02152	0.0089	0.0086	0.00902	3.52E-03	6.90E-03	1.67E-03	6.64E-04	1.28E-02	3.47E-03	2.99E-07	1.83E-05	1.94E-05	3.51E-03	4.21E-03	6.90E-03	1.67E-03	6.64E-04	1.34E-02
3773	497863.09	3851877.25	0.02021	0.00862	0.009	0.00896	3.31E-03	6.69E-03	1.74E-03	6.60E-04	1.24E-02	3.26E-03	2.90E-07	1.91E-05	1.93E-05	3.30E-03	3.95E-03	6.69E-03	1.74E-03	6.60E-04	1.30E-02
3774	498363.09	3851877.25	0.01894	0.00837	0.0094	0.00894	3.10E-03	6.49E-03	1.82E-03	6.58E-04	1.21E-02	3.05E-03	2.81E-07	2.00E-05	1.92E-05	3.09E-03	3.71E-03	6.49E-03	1.82E-03	6.58E-04	1.27E-02
3775	471363.09	3852377.25	0.00634	0.00363	0.0029	0.00293	1.04E-03	2.82E-03	5.53E-04	2.16E-04	4.62E-03	1.02E-03	1.22E-07	6.06E-06	6.31E-06	1.03E-03	1.24E-03	2.82E-03	5.53E-04	2.16E-04	4.82E-03
3776	471863.09	3852377.25	0.0072	0.00398	0.003	0.003	1.18E-03	3.09E-03	5.76E-04	2.21E-04	5.06E-03	1.16E-03	1.34E-07	6.31E-06	6.46E-06	1.17E-03	1.41E-03	3.09E-03	5.76E-04	2.21E-04	5.29E-03
3777	472363.09	3852377.25	0.00787	0.00421	0.0031	0.00307	1.29E-03	3.27E-03	6.03E-04	2.26E-04	5.38E-03	1.27E-03	1.41E-07	6.61E-06	6.61E-06	1.28E-03	1.54E-03	3.27E-03	6.03E-04	2.26E-04	5.63E-03
3778	472863.09	3852377.25	0.00847	0.00442	0.0032	0.00314	1.39E-03	3.43E-03	6.26E-04	2.31E-04	5.67E-03	1.36E-03	1.48E-07	6.87E-06	6.76E-06	1.38E-03	1.66E-03	3.43E-03	6.26E-04	2.31E-04	5.94E-03

3779	473363.09	3852377.25	0.00895	0.00457	0.0033	0.0032	1.46E-03	3.54E-03	6.36E-04	2.36E-04	5.88E-03	1.44E-03	1.54E-07	6.97E-06	6.89E-06	1.46E-03	1.75E-03	3.55E-03	6.36E-04	2.36E-04	6.17E-03
3780	473863.09	3852377.25	0.00933	0.00469	0.0033	0.00325	1.53E-03	3.64E-03	6.30E-04	2.39E-04	6.03E-03	1.50E-03	1.58E-07	6.91E-06	7.00E-06	1.52E-03	1.83E-03	3.64E-03	6.30E-04	2.39E-04	6.33E-03
3781	474363.09	3852377.25	0.00979	0.00488	0.0032	0.00328	1.60E-03	3.79E-03	6.11E-04	2.41E-04	6.24E-03	1.58E-03	1.64E-07	6.70E-06	7.06E-06	1.59E-03	1.92E-03	3.79E-03	6.11E-04	2.41E-04	6.55E-03
3782	474863.09	3852377.25	0.01169	0.00626	0.0031	0.00337	1.91E-03	4.86E-03	6.07E-04	2.48E-04	7.62E-03	1.88E-03	2.10E-07	6.65E-06	7.25E-06	1.90E-03	2.29E-03	4.86E-03	6.07E-04	2.48E-04	8.00E-03
3783	475363.09	3852377.25	0.01197	0.00656	0.0029	0.00338	1.96E-03	5.09E-03	5.68E-04	2.49E-04	7.86E-03	1.93E-03	2.20E-07	6.23E-06	7.28E-06	1.94E-03	2.34E-03	5.09E-03	5.68E-04	2.49E-04	8.25E-03
3784	475863.09	3852377.25	0.01198	0.00684	0.0027	0.00339	1.96E-03	5.31E-03	5.24E-04	2.50E-04	8.04E-03	1.93E-03	2.30E-07	5.74E-06	7.30E-06	1.94E-03	2.34E-03	5.31E-03	5.24E-04	2.50E-04	8.42E-03
3785	476363.09	3852377.25	0.01172	0.00675	0.0024	0.0034	1.92E-03	5.24E-03	4.73E-04	2.50E-04	7.88E-03	1.89E-03	2.27E-07	5.19E-06	7.32E-06	1.90E-03	2.29E-03	5.24E-03	4.73E-04	2.50E-04	8.25E-03
3786	476863.09	3852377.25	0.01199	0.00707	0.0022	0.00344	1.96E-03	5.48E-03	4.34E-04	2.53E-04	8.13E-03	1.93E-03	2.37E-07	4.76E-06	7.41E-06	1.94E-03	2.35E-03	5.48E-03	4.34E-04	2.53E-04	8.52E-03
3787	477363.09	3852377.25	0.0123	0.00709	0.0022	0.00351	2.01E-03	5.50E-03	4.19E-04	2.58E-04	8.19E-03	1.98E-03	2.38E-07	4.59E-06	7.56E-06	1.99E-03	2.41E-03	5.50E-03	4.19E-04	2.58E-04	8.58E-03
3788	477863.09	3852377.25	0.01195	0.0062	0.0021	0.00354	1.95E-03	4.81E-03	4.13E-04	2.61E-04	7.44E-03	1.93E-03	2.08E-07	4.53E-06	7.62E-06	1.94E-03	2.34E-03	4.81E-03	4.13E-04	2.61E-04	7.82E-03
3789	478363.09	3852377.25	0.01244	0.00576	0.0022	0.00361	2.03E-03	4.47E-03	4.30E-04	2.66E-04	7.20E-03	2.00E-03	1.93E-07	4.72E-06	7.77E-06	2.02E-03	2.43E-03	4.47E-03	4.30E-04	2.66E-04	7.60E-03
3790	478863.09	3852377.25	0.01648	0.0067	0.0023	0.00372	2.70E-03	5.20E-03	4.54E-04	2.74E-04	8.62E-03	2.66E-03	2.25E-07	4.98E-06	8.01E-06	2.67E-03	3.22E-03	5.20E-03	4.54E-04	2.74E-04	9.15E-03
3791	479363.09	3852377.25	0.01928	0.00755	0.0024	0.00377	3.15E-03	5.86E-03	4.60E-04	2.78E-04	9.75E-03	3.11E-03	2.54E-07	5.04E-06	8.12E-06	3.12E-03	3.77E-03	5.86E-03	4.60E-04	2.78E-04	1.04E-02
3792	479863.09	3852377.25	0.02124	0.01198	0.0024	0.00377	3.47E-03	9.29E-03	4.58E-04	2.78E-04	1.35E-02	3.42E-03	4.02E-07	5.02E-06	8.12E-06	3.44E-03	4.16E-03	9.29E-03	4.58E-04	2.78E-04	1.42E-02
3793	480363.09	3852377.25	0.02166	0.01727	0.0025	0.00381	3.54E-03	1.34E-02	4.75E-04	2.81E-04	1.77E-02	3.49E-03	5.80E-07	5.21E-06	8.20E-06	3.50E-03	4.24E-03	1.34E-02	4.75E-04	2.81E-04	1.84E-02
3794	480863.09	3852377.25	0.02124	0.01679	0.0025	0.0039	3.47E-03	1.30E-02	4.93E-04	2.87E-04	1.73E-02	3.42E-03	5.64E-07	5.40E-06	8.40E-06	3.44E-03	4.16E-03	1.30E-02	4.93E-04	2.87E-04	1.80E-02
3795	481363.09	3852377.25	0.02152	0.01622	0.0026	0.00409	3.52E-03	1.26E-02	5.00E-04	3.01E-04	1.69E-02	3.47E-03	5.45E-07	5.49E-06	8.80E-06	3.48E-03	4.21E-03	1.26E-02	5.00E-04	3.01E-04	1.76E-02
3796	481863.09	3852377.25	0.02845	0.01463	0.0026	0.00435	4.65E-03	1.13E-02	4.98E-04	3.20E-04	1.68E-02	4.58E-03	4.91E-07	5.46E-06	9.36E-06	4.60E-03	5.57E-03	1.13E-02	4.98E-04	3.20E-04	1.77E-02
3797	482363.09	3852377.25	0.03369	0.01286	0.0026	0.00475	5.51E-03	9.98E-03	5.00E-04	3.50E-04	1.63E-02	5.43E-03	4.32E-07	5.49E-06	1.02E-05	5.44E-03	6.59E-03	9.98E-03	5.00E-04	3.50E-04	1.74E-02
3798	482863.09	3852377.25	0.02871	0.0102	0.0029	0.00499	4.70E-03	7.91E-03	5.70E-04	3.67E-04	1.35E-02	4.63E-03	3.43E-07	6.25E-06	1.07E-05	4.64E-03	5.62E-03	7.91E-03	5.70E-04	3.67E-04	1.45E-02
3799	483363.09	3852377.25	0.02315	0.00697	0.0041	0.00524	3.79E-03	5.41E-03	7.99E-04	3.86E-04	1.04E-02	3.73E-03	2.34E-07	8.76E-06	1.13E-05	3.75E-03	4.53E-03	5.41E-03	7.99E-04	3.86E-04	1.11E-02
3800	483863.09	3852377.25	0.01769	0.00571	0.0037	0.00508	2.89E-03	4.43E-03	7.10E-04	3.74E-04	8.41E-03	2.85E-03	1.92E-07	7.78E-06	1.09E-05	2.87E-03	3.46E-03	4.43E-03	7.10E-04	3.74E-04	8.97E-03
3801	484363.09	3852377.25	0.01943	0.00598	0.004	0.00505	3.18E-03	4.64E-03	7.83E-04	3.72E-04	8.97E-03	3.13E-03	2.01E-07	8.59E-06	1.09E-05	3.15E-03	3.80E-03	4.64E-03	7.83E-04	3.72E-04	9.60E-03
3802	484863.09	3852377.25	0.01903	0.00605	0.0055	0.00505	3.11E-03	4.69E-03	1.06E-03	3.72E-04	9.24E-03	3.07E-03	2.03E-07	1.17E-05	1.09E-05	3.09E-03	3.72E-03	4.69E-03	1.06E-03	3.72E-04	9.85E-03
3803	485363.09	3852377.25	0.01851	0.00623	0.0046	0.00568	3.03E-03	4.83E-03	8.86E-04	4.18E-04	9.16E-03	2.98E-03	2.09E-07	9.72E-06	1.22E-05	3.00E-03	3.62E-03	4.83E-03	8.86E-04	4.18E-04	9.76E-03
3804	485863.09	3852377.25	0.0155	0.00576	0.0049	0.00636	2.54E-03	4.47E-03	9.56E-04	4.68E-04	8.43E-03	2.50E-03	1.93E-07	1.05E-05	1.37E-05	2.52E-03	3.03E-03	4.47E-03	9.56E-04	4.68E-04	8.93E-03
3805	486363.09	3852377.25	0.01141	0.00507	0.0067	0.00608	1.87E-03	3.93E-03	1.30E-03	4.48E-04	7.55E-03	1.84E-03	1.70E-07	1.43E-05	1.31E-05	1.87E-03	2.23E-03	3.93E-03	1.30E-03	4.48E-04	7.91E-03
3806	486863.09	3852377.25	0.01043	0.00503	0.0067	0.00609	1.71E-03	3.90E-03	1.30E-03	4.48E-04	7.36E-03	1.68E-03	1.69E-07	1.42E-05	1.31E-05	1.71E-03	2.04E-03	3.90E-03	1.30E-03	4.48E-04	7.69E-03
3807	487363.09	3852377.25	0.00956	0.00497	0.0046	0.00631	1.56E-03	3.86E-03	8.96E-04	4.65E-04	6.78E-03	1.54E-03	1.67E-07	9.82E-06	1.36E-05	1.56E-03	1.87E-03	3.86E-03	8.96E-04	4.65E-04	7.09E-03
3808	487863.09	3852377.25	0.00915	0.00491	0.0034	0.00656	1.50E-03	3.81E-03	6.63E-04	4.83E-04	6.45E-03	1.47E-03	1.65E-07	7.27E-06	1.41E-05	1.50E-03	1.79E-03	3.81E-03	6.63E-04	4.83E-04	6.75E-03
3809	488363.09	3852377.25	0.00888	0.00497	0.0037	0.00677	1.45E-03	3.86E-03	7.19E-04	4.98E-04	6.53E-03	1.43E-03	1.67E-07	7.89E-06	1.46E-05	1.45E-03	1.74E-03	3.86E-03	7.19E-04	4.98E-04	6.81E-03
3810	488863.09	3852377.25	0.00885	0.00499	0.0043	0.007	1.45E-03	3.87E-03	8.34E-04	5.15E-04	6.67E-03	1.43E-03	1.68E-07	9.14E-06	1.51E-05	1.45E-03	1.73E-03	3.87E-03	8.34E-04	5.15E-04	6.95E-03
3811	489363.09	3852377.25	0.00953	0.00507	0.0044	0.00726	1.56E-03	3.93E-03	8.47E-04	5.35E-04	6.87E-03	1.54E-03	1.70E-07	9.29E-06	1.56E-05	1.56E-03	1.86E-03	3.93E-03	8.47E-04	5.35E-04	7.18E-03
3812	489863.09	3852377.25	0.00985	0.00506	0.0043	0.0074	1.61E-03	3.93E-03	8.36E-04	5.45E-04	6.92E-03	1.59E-03	1.70E-07	9.16E-06	1.59E-05	1.61E-03	1.93E-03	3.93E-03	8.36E-04	5.45E-04	7.23E-03
3813	490363.09	3852377.25	0.01194	0.0057	0.0043	0.00771	1.95E-03	4.42E-03	8.26E-04	5.68E-04	7.77E-03	1.92E-03	1.91E-07	9.06E-06	1.66E-05	1.95E-03	2.34E-03	4.42E-03	8.26E-04	5.68E-04	8.15E-03
3814	490863.09	3852377.25	0.01394	0.00627	0.004	0.00803	2.28E-03	4.86E-03	7.74E-04	5.91E-04	8.51E-03	2.25E-03	2.11E-07	8.48E-06	1.73E-05	2.27E-03	2.73E-03	4.86E-03	7.74E-04	5.91E-04	8.96E-03
3815	491363.09	3852377.25	0.01752	0.00727	0.0043	0.00842	2.87E-03	5.64E-03	8.24E-04	6.20E-04	9.95E-03	2.82E-03	2.44E-07	9.04E-06	1.81E-05	2.85E-03	3.43E-03	5.64E-03	8.24E-04	6.20E-04	1.05E-02
3816	491863.09	3852377.25	0.01912	0.00771	0.0044	0.00867	3.13E-03	5.98E-03	8.51E-04	6.38E-04	1.06E-02	3.08E-03	2.59E-07	9.33E-06	1.87E-05	3.11E-03	3.74E-03	5.98E-03	8.51E-04	6.38E-04	1.12E-02
3817	492363.09	3852377.25	0.02037	0.00804	0.0051	0.00892	3.33E-03	6.24E-03	9.83E-04	6.57E-04	1.12E-02	3.28E-03	2.70E-07	1.08E-05	1.92E-05	3.31E-03	3.99E-03	6.24E-03	9.83E-04	6.57E-04	1.19E-02
3818	492863.09	3852377.25	0.02257	0.00864	0.0063	0.00923	3.69E-03	6.70E-03	1.23E-03	6.80E-04	1.23E-02	3.64E-03	2.90E-07	1.34E-05	1.99E-05	3.67E-03	4.42E-03	6.70E-03	1.23E-03	6.80E-04	1.30E-02
3819	493363.09	3852377.25	0.02596	0.00958	0.0078	0.00955	4.25E-03	7.43E-03	1.51E-03	7.03E-04	1.39E-02	4.18E-03	3.22E-07	1.65E-05	2.06E-05	4.22E-03	5.08E-03	7.43E-03	1.51E-03	7.03E-04	1.47E-02
3820	493863.09	3852377.25	0.02637	0.00976	0.0085	0.00965	4.31E-03	7.57E-03	1.65E-03	7.10E-04	1.42E-02	4.25E-03	3.28E-07	1.81E-05	2.08E-05	4.29E-03	5.16E-03	7.57E-03	1.65E-03	7.10E-04	1.51E-02
3821	494363.09	3852377.25	0.02655	0.00992	0.0084	0.00974	4.34E-03	7.69E-03	1.63E-03	7.17E-04	1.44E-02	4.28E-03	3.33E-07	1.79E-05	2.10E-05	4.32E-03	5.20E-03	7.70E-03	1.63E-03	7.17E-04	1.52E-02
3822	494863.09	3852377.25	0.02829	0.0105	0.0083	0.00992	4.63E-03	8.14E-03	1.62E-03	7.30E-04	1.51E-02	4.56E-03	3.53E-07	1.77E-05	2.14E-05	4.60E-03	5.54E-03	8.15E-03	1.62E-03	7.30E-04	1.60E-02
3823	495363.09	3852377.25	0.03001	0.01111	0.0084	0.01009	4.91E-03	8.62E-03	1.63E-03	7.43E-04	1.59E-02	4.84E-03	3.73E-07	1.78E-05	2.17E-05	4.88E-03	5.87E-03	8.62E-03	1.63E-03	7.43E-04	1.69E-02
3824	495863.09	3852377.25	0.02913	0.01098	0.0087	0.01009	4.76E-03	8.52E-03	1.68E-03	7.43E-04	1.57E-02	4.69E-03	3.69E-07	1.84E-05	2.17E-05	4.73E-03	5.70E-03	8.52E-03	1.68E-03	7.43E-04	1.66E-02
3825	496363.09	3852377.25	0.0281	0.01081	0.0092	0.01005	4.60E-03	8.39E-03	1.79E-03	7.40E-04	1.55E-02	4.53E-03	3.63E-07	1.96E-05	2.16E-05	4.57E-03	5.50E-03	8.39E-03	1.79E-03	7.40E-04	1.64E-02
3826	496863.09	3852377.25	0.02739	0.01076	0.0099	0.01002	4.48E-03	8.35E-03	1.92E-03	7.38E-04	1.55E-02	4.41E-03	3.61E-07	2.10E-05	2.16E-05	4.46E-03	5.36E-03	8.35E-03	1.92E-03	7.38E-04	1.64E-02
3827	497363.09	3852377.25	0.02503	0.01021	0.0103	0.00986	4.09E-03	7.92E-03	1.99E-03	7.26E-04	1.47E-02	4.03E-03	3.43E-07	2.18E-05	2.12E-05	4.08E-03	4.90E-03	7.92E-03	1.99E-03	7.26E-04	1.55E-02
3828	497863.09	3852377.25	0.0226	0.00967	0.0107	0.00977	3.70E-03	7.50E-03	2.07E-03	7.19E-04	1.40E-02	3.64E-03	3.25E-07	2.27E-05	2.10E-05	3.69E-03	4.42E-03	7.50E-03	2.07E-03	7.19E-04	1.47E-02
3829	498363.09	3852377.25	0.02042	0.00918	0.011	0.00969	3.34E-03	7.12E-03	2.13E-03	7.13E-04	1.33E-02	3.29E-03	3.08E-07	2.33E-05	2.09E-05	3.33E-03	4.00E-03	7.12E-03	2.13E-03	7.13E-04	1.40E-02
3830	471363.09	3852877.25	0.00709	0.00396	0.003	0.00308	1.16E-03	3.07E-03	5.86E-04	2.27E-04	5.04E-03	1.14E-03	1.33E-07	6.42E-06	6.63E-06	1.16E-03	1.39E-03	3.07E-03	5.86E-04	2.27E-04	5.27E-03
3831	471863.09	3852877.25	0.00771	0.00424	0.0031	0.00316	1.26E-03	3.29E-03	5.93E-04	2.33E-04	5.38E-03	1.24E-03	1.42E-07	6.51E-06	6.80E-06	1.26E-03	1.51E-03	3.29E-03	5.93E-04	2.33E-04	5.62E-03
3832	472363.09	3852877.25	0.00841	0.00452	0.0032	0.00324	1.38E-03	3.51E-03	6.11E-04	2.39E-04	5.73E-03	1.36E-03	1.52E-07	6.70E-06	6.97E-06	1.37E-03	1.65E-03	3.51E-03	6.11E-04	2.39E-04	6.00E-03
3833	472863.09	3852877.25	0.00897	0.00476	0.0032	0.00331	1.47E-03	3.69E-03	6.26E-04	2.44E-04	6.03E-03	1.45E-03	1.60E-07	6.87E-06	7.13E-06	1.46E-03	1.76E-03	3.69E-03	6.26E-04	2.44E-04	6.32E-03
3834	473363.09	3852877.25	0.00962	0.00501	0.0034	0.00338	1.57E-03	3.89E-03	6.52E-04	2.49E-04	6.36E-03	1.55E-03	1.68E-07	7.14E-06	7.28E-06	1.56E-03	1.88E-03	3.89E-03	6.52E-04	2.49E-04	6.67E-03
3835	473863.09	3852877.25	0.01046	0.00536	0.0035	0.00347	1.71E-03	4.16E-03	6.81E-04	2.55E-04	6.80E-03	1.69E-03	1.80E-07	7.46E-06	7.47E-06	1.70E-03	2.05E-03	4.16E-03	6.81E-04	2.55E-04	7.14E-03
3836	474363.09	3852877.25	0.01147	0.00578	0.0036	0.00357	1.88E-03	4.48E-03	7.06E-04	2.63E-04	7.33E-03	1.85E-03	1.94E-07	7.74E-06	7.69E-06	1.86E-03	2.24E-03	4.48E-03	7.06E-04	2.63E-04	7.70E-03
3837	474863.09	3852877.25	0.01115	0.00548	0.0036	0.00361	1.82E-03	4.25E-03	7.02E-04	2.66E-04	7.04E-03	1.80E-03	1.84E-07	7.70E-06	7.77E-06	1.81E-03	2.18E-03	4.25E-03	7.02E-04	2.66E-04	7.40E-03
3838	475363.09	3852877.25	0.01234	0.00607	0.0036	0.0037	2.02E-03	4.71E-03	6.98E-04	2.72E-04	7.70E-03	1.99E-03	2.04E-07	7.65E-06	7.97E-06	2.00E-03	2.41E-03	4.71E-03	6.98E-04	2.72E-04	8.09E-03
3839	475863.09	3852877.25	0.0129	0.0063	0.0035	0.00374	2.11E-03	4.89E-03	6.69E-04	2.75E-04	7.94E-03	2.08E-03	2.12E-07	7.34E-06	8.05E-06	2.09E-03	2.52E-03	4.89E-03	6.69E-04	2.75E-04	8.36E-03

3840	476363.09	3852877.25	0.01257	0.0061	0.0032	0.00374	2.06E-03	4.73E-03	6.19E-04	2.75E-04	7.68E-03	2.03E-03	2.05E-07	6.78E-06	8.05E-06	2.04E-03	2.46E-03	4.73E-03	6.19E-04	2.75E-04	8.09E-03
3841	476863.09	3852877.25	0.01142	0.00559	0.0028	0.00371	1.87E-03	4.34E-03	5.51E-04	2.73E-04	7.03E-03	1.84E-03	1.88E-07	6.04E-06	7.99E-06	1.85E-03	2.23E-03	4.34E-03	5.51E-04	2.73E-04	7.39E-03
3842	477363.09	3852877.25	0.01034	0.00518	0.0025	0.00372	1.69E-03	4.02E-03	4.85E-04	2.74E-04	6.47E-03	1.67E-03	1.74E-07	5.32E-06	8.01E-06	1.68E-03	2.02E-03	4.02E-03	4.85E-04	2.74E-04	6.80E-03
3843	477863.09	3852877.25	0.00916	0.00479	0.0022	0.00377	1.50E-03	3.72E-03	4.34E-04	2.78E-04	5.93E-03	1.48E-03	1.61E-07	4.76E-06	8.12E-06	1.49E-03	1.79E-03	3.72E-03	4.34E-04	2.78E-04	6.22E-03
3844	478363.09	3852877.25	0.00714	0.00428	0.0021	0.00382	1.17E-03	3.32E-03	4.03E-04	2.81E-04	5.17E-03	1.15E-03	1.44E-07	4.42E-06	8.22E-06	1.16E-03	1.40E-03	3.32E-03	4.03E-04	2.81E-04	5.40E-03
3845	478863.09	3852877.25	0.00862	0.00486	0.0022	0.00395	1.41E-03	3.77E-03	4.21E-04	2.91E-04	5.89E-03	1.39E-03	1.63E-07	4.61E-06	8.50E-06	1.40E-03	1.69E-03	3.77E-03	4.21E-04	2.91E-04	6.17E-03
3846	479363.09	3852877.25	0.01286	0.0058	0.0024	0.0041	2.10E-03	4.50E-03	4.60E-04	3.02E-04	7.36E-03	2.07E-03	1.95E-07	5.04E-06	8.83E-06	2.09E-03	2.52E-03	4.50E-03	4.60E-04	3.02E-04	7.78E-03
3847	479863.09	3852877.25	0.02221	0.00856	0.0025	0.00426	3.63E-03	6.64E-03	4.91E-04	3.14E-04	1.11E-02	3.58E-03	2.88E-07	5.38E-06	9.17E-06	3.59E-03	4.35E-03	6.64E-03	4.91E-04	3.14E-04	1.18E-02
3848	480363.09	3852877.25	0.02601	0.01536	0.0026	0.0043	4.25E-03	1.19E-02	4.94E-04	3.17E-04	1.70E-02	4.19E-03	5.16E-07	5.42E-06	9.26E-06	4.21E-03	5.09E-03	1.19E-02	4.94E-04	3.17E-04	1.78E-02
3849	480863.09	3852877.25	0.0272	0.01872	0.0026	0.0044	4.45E-03	1.45E-02	5.06E-04	3.24E-04	1.98E-02	4.38E-03	6.29E-07	5.55E-06	9.47E-06	4.40E-03	5.32E-03	1.45E-02	5.06E-04	3.24E-04	2.07E-02
3850	481363.09	3852877.25	0.02697	0.02025	0.0027	0.00454	4.41E-03	1.57E-02	5.31E-04	3.34E-04	2.10E-02	4.35E-03	6.80E-07	5.83E-06	9.77E-06	4.36E-03	5.28E-03	1.57E-02	5.31E-04	3.34E-04	2.19E-02
3851	481863.09	3852877.25	0.02678	0.01901	0.0028	0.00493	4.38E-03	1.47E-02	5.43E-04	3.63E-04	2.00E-02	4.32E-03	6.39E-07	5.95E-06	1.06E-05	4.33E-03	5.24E-03	1.47E-02	5.43E-04	3.63E-04	2.09E-02
3852	482363.09	3852877.25	0.03466	0.01756	0.0028	0.00534	5.67E-03	1.36E-02	5.43E-04	3.93E-04	2.02E-02	5.58E-03	5.90E-07	5.95E-06	1.15E-05	5.60E-03	6.78E-03	1.36E-02	5.43E-04	3.93E-04	2.13E-02
3853	482863.09	3852877.25	0.04179	0.01568	0.0028	0.00562	6.84E-03	1.22E-02	5.45E-04	4.14E-04	2.00E-02	6.73E-03	5.27E-07	5.97E-06	1.21E-05	6.75E-03	8.18E-03	1.22E-02	5.45E-04	4.14E-04	2.13E-02
3854	483363.09	3852877.25	0.03628	0.01144	0.0032	0.00579	5.93E-03	8.87E-03	6.26E-04	4.26E-04	1.59E-02	5.85E-03	3.84E-07	6.87E-06	1.25E-05	5.87E-03	7.10E-03	8.87E-03	6.26E-04	4.26E-04	1.70E-02
3855	483863.09	3852877.25	0.02701	0.00751	0.0045	0.00606	4.42E-03	5.83E-03	8.71E-04	4.46E-04	1.16E-02	4.35E-03	2.52E-07	9.55E-06	1.30E-05	4.38E-03	5.29E-03	5.83E-03	8.71E-04	4.46E-04	1.24E-02
3856	484363.09	3852877.25	0.02874	0.00802	0.0037	0.00591	4.70E-03	6.22E-03	7.25E-04	4.35E-04	1.21E-02	4.63E-03	2.69E-07	7.95E-06	1.27E-05	4.65E-03	5.62E-03	6.22E-03	7.25E-04	4.35E-04	1.30E-02
3857	484863.09	3852877.25	0.02738	0.00828	0.0047	0.00614	4.48E-03	6.42E-03	9.15E-04	4.52E-04	1.23E-02	4.41E-03	2.78E-07	1.00E-05	1.32E-05	4.44E-03	5.36E-03	6.42E-03	9.15E-04	4.52E-04	1.31E-02
3858	485363.09	3852877.25	0.0185	0.00636	0.0058	0.00694	3.03E-03	4.93E-03	1.11E-03	5.11E-04	9.59E-03	2.98E-03	2.14E-07	1.22E-05	1.49E-05	3.01E-03	3.62E-03	4.93E-03	1.11E-03	5.11E-04	1.02E-02
3859	485863.09	3852877.25	0.01479	0.00597	0.0048	0.00715	2.42E-03	4.63E-03	9.37E-04	5.26E-04	8.51E-03	2.38E-03	2.01E-07	1.03E-05	1.54E-05	2.41E-03	2.89E-03	4.63E-03	9.37E-04	5.26E-04	8.99E-03
3860	486363.09	3852877.25	0.01173	0.00574	0.0063	0.00727	1.92E-03	4.45E-03	1.23E-03	5.35E-04	8.13E-03	1.89E-03	1.93E-07	1.34E-05	1.57E-05	1.92E-03	2.30E-03	4.45E-03	1.23E-03	5.35E-04	8.51E-03
3861	486863.09	3852877.25	0.01149	0.00598	0.0066	0.00763	1.88E-03	4.64E-03	1.28E-03	5.62E-04	8.36E-03	1.85E-03	2.01E-07	1.41E-05	1.64E-05	1.88E-03	2.25E-03	4.64E-03	1.28E-03	5.62E-04	8.73E-03
3862	487363.09	3852877.25	0.01082	0.00605	0.005	0.00782	1.77E-03	4.69E-03	9.60E-04	5.76E-04	8.00E-03	1.74E-03	2.03E-07	1.05E-05	1.68E-05	1.77E-03	2.12E-03	4.69E-03	9.60E-04	5.76E-04	8.35E-03
3863	487863.09	3852877.25	0.01107	0.00617	0.0037	0.0081	1.81E-03	4.79E-03	7.23E-04	5.96E-04	7.92E-03	1.78E-03	2.07E-07	7.93E-06	1.74E-05	1.81E-03	2.17E-03	4.79E-03	7.23E-04	5.96E-04	8.27E-03
3864	488363.09	3852877.25	0.00939	0.00549	0.004	0.00801	1.54E-03	4.26E-03	7.80E-04	5.90E-04	7.16E-03	1.51E-03	1.84E-07	8.55E-06	1.72E-05	1.54E-03	1.84E-03	4.26E-03	7.80E-04	5.90E-04	7.47E-03
3865	488863.09	3852877.25	0.01164	0.00614	0.0047	0.00844	1.90E-03	4.76E-03	9.07E-04	6.21E-04	8.20E-03	1.88E-03	2.06E-07	9.95E-06	1.82E-05	1.90E-03	2.28E-03	4.76E-03	9.07E-04	6.21E-04	8.57E-03
3866	489363.09	3852877.25	0.01356	0.00653	0.0047	0.00875	2.22E-03	5.07E-03	9.13E-04	6.44E-04	8.84E-03	2.18E-03	2.19E-07	1.00E-05	1.88E-05	2.21E-03	2.65E-03	5.07E-03	9.13E-04	6.44E-04	9.28E-03
3867	489863.09	3852877.25	0.01553	0.00694	0.0047	0.00902	2.54E-03	5.38E-03	9.15E-04	6.64E-04	9.50E-03	2.50E-03	2.33E-07	1.00E-05	1.94E-05	2.53E-03	3.04E-03	5.38E-03	9.15E-04	6.64E-04	1.00E-02
3868	490363.09	3852877.25	0.02134	0.00851	0.005	0.00959	3.49E-03	6.60E-03	9.60E-04	7.06E-04	1.18E-02	3.44E-03	2.86E-07	1.05E-05	2.06E-05	3.47E-03	4.18E-03	6.60E-03	9.60E-04	7.06E-04	1.24E-02
3869	490863.09	3852877.25	0.02484	0.00939	0.0048	0.00998	4.06E-03	7.28E-03	9.35E-04	7.35E-04	1.30E-02	4.00E-03	3.15E-07	1.02E-05	2.15E-05	4.03E-03	4.86E-03	7.28E-03	9.35E-04	7.35E-04	1.38E-02
3870	491363.09	3852877.25	0.0282	0.01028	0.0049	0.01034	4.61E-03	7.97E-03	9.52E-04	7.61E-04	1.43E-02	4.54E-03	3.45E-07	1.04E-05	2.23E-05	4.58E-03	5.52E-03	7.97E-03	9.52E-04	7.61E-04	1.52E-02
3871	491863.09	3852877.25	0.0302	0.01079	0.0054	0.01057	4.94E-03	8.37E-03	1.05E-03	7.78E-04	1.51E-02	4.87E-03	3.62E-07	1.15E-05	2.28E-05	4.90E-03	5.91E-03	8.37E-03	1.05E-03	7.78E-04	1.61E-02
3872	492363.09	3852877.25	0.03245	0.01132	0.0069	0.01077	5.31E-03	8.78E-03	1.33E-03	7.93E-04	1.62E-02	5.23E-03	3.80E-07	1.46E-05	2.32E-05	5.27E-03	6.35E-03	8.78E-03	1.33E-03	7.93E-04	1.73E-02
3873	492863.09	3852877.25	0.0363	0.01227	0.0092	0.01108	5.94E-03	9.52E-03	1.78E-03	8.16E-04	1.81E-02	5.85E-03	4.12E-07	1.95E-05	2.39E-05	5.89E-03	7.10E-03	9.52E-03	1.78E-03	8.16E-04	1.92E-02
3874	493363.09	3852877.25	0.03883	0.01301	0.0107	0.01125	6.35E-03	1.01E-02	2.07E-03	8.28E-04	1.93E-02	6.26E-03	4.37E-07	2.27E-05	2.42E-05	6.30E-03	7.60E-03	1.01E-02	2.07E-03	8.28E-04	2.06E-02
3875	493863.09	3852877.25	0.03875	0.01319	0.0102	0.01119	6.34E-03	1.02E-02	1.97E-03	8.24E-04	1.94E-02	6.24E-03	4.43E-07	2.16E-05	2.41E-05	6.29E-03	7.58E-03	1.02E-02	1.97E-03	8.24E-04	2.06E-02
3876	494363.09	3852877.25	0.03876	0.01334	0.0096	0.01124	6.34E-03	1.03E-02	1.86E-03	8.28E-04	1.94E-02	6.25E-03	4.48E-07	2.04E-05	2.42E-05	6.29E-03	7.58E-03	1.03E-02	1.86E-03	8.28E-04	2.06E-02
3877	494863.09	3852877.25	0.03942	0.0137	0.0095	0.01134	6.45E-03	1.06E-02	1.84E-03	8.35E-04	1.98E-02	6.35E-03	4.60E-07	2.02E-05	2.44E-05	6.40E-03	7.71E-03	1.06E-02	1.84E-03	8.35E-04	2.10E-02
3878	495363.09	3852877.25	0.03755	0.01338	0.01	0.0113	6.14E-03	1.04E-02	1.93E-03	8.32E-04	1.93E-02	6.05E-03	4.49E-07	2.12E-05	2.43E-05	6.10E-03	7.35E-03	1.04E-02	1.93E-03	8.32E-04	2.05E-02
3879	495863.09	3852877.25	0.03553	0.01303	0.0107	0.01122	5.81E-03	1.01E-02	2.08E-03	8.26E-04	1.88E-02	5.73E-03	4.38E-07	2.28E-05	2.42E-05	5.77E-03	6.95E-03	1.01E-02	2.08E-03	8.26E-04	2.00E-02
3880	496363.09	3852877.25	0.03488	0.01308	0.0116	0.01118	5.70E-03	1.01E-02	2.25E-03	8.23E-04	1.89E-02	5.62E-03	4.39E-07	2.47E-05	2.41E-05	5.67E-03	6.83E-03	1.01E-02	2.25E-03	8.23E-04	2.00E-02
3881	496863.09	3852877.25	0.03319	0.01288	0.0123	0.01109	5.43E-03	9.99E-03	2.39E-03	8.16E-04	1.86E-02	5.35E-03	4.33E-07	2.62E-05	2.39E-05	5.40E-03	6.49E-03	9.99E-03	2.39E-03	8.16E-04	1.97E-02
3882	497363.09	3852877.25	0.02866	0.01174	0.0126	0.01082	4.69E-03	9.11E-03	2.45E-03	7.97E-04	1.70E-02	4.62E-03	3.94E-07	2.69E-05	2.33E-05	4.67E-03	5.61E-03	9.11E-03	2.45E-03	7.97E-04	1.80E-02
3883	497863.09	3852877.25	0.02198	0.00989	0.0126	0.01047	3.60E-03	7.67E-03	2.44E-03	7.71E-04	1.45E-02	3.54E-03	3.32E-07	2.68E-05	2.25E-05	3.59E-03	4.30E-03	7.67E-03	2.44E-03	7.71E-04	1.52E-02
3884	498363.09	3852877.25	0.02067	0.00966	0.0133	0.01038	3.38E-03	7.49E-03	2.59E-03	7.64E-04	1.42E-02	3.33E-03	3.24E-07	2.84E-05	2.23E-05	3.38E-03	4.04E-03	7.49E-03	2.59E-03	7.64E-04	1.49E-02
3885	471363.09	3853377.25	0.00743	0.00427	0.0034	0.00317	1.22E-03	3.31E-03	6.52E-04	2.33E-04	5.41E-03	1.20E-03	1.43E-07	7.14E-06	6.82E-06	1.21E-03	1.45E-03	3.31E-03	6.52E-04	2.33E-04	5.65E-03
3886	471863.09	3853377.25	0.00817	0.00452	0.0034	0.00328	1.34E-03	3.51E-03	6.63E-04	2.41E-04	5.75E-03	1.32E-03	1.52E-07	7.27E-06	7.06E-06	1.33E-03	1.60E-03	3.51E-03	6.63E-04	2.41E-04	6.01E-03
3887	472363.09	3853377.25	0.00878	0.00478	0.0035	0.0034	1.44E-03	3.71E-03	6.69E-04	2.50E-04	6.06E-03	1.41E-03	1.61E-07	7.34E-06	7.32E-06	1.43E-03	1.72E-03	3.71E-03	6.69E-04	2.50E-04	6.35E-03
3888	472863.09	3853377.25	0.00941	0.00505	0.0035	0.00351	1.54E-03	3.92E-03	6.71E-04	2.58E-04	6.39E-03	1.52E-03	1.70E-07	7.36E-06	7.56E-06	1.53E-03	1.84E-03	3.92E-03	6.71E-04	2.58E-04	6.69E-03
3889	473363.09	3853377.25	0.00992	0.00524	0.0035	0.00359	1.62E-03	4.06E-03	6.73E-04	2.64E-04	6.62E-03	1.60E-03	1.76E-07	7.38E-06	7.73E-06	1.61E-03	1.94E-03	4.06E-03	6.73E-04	2.64E-04	6.94E-03
3890	473863.09	3853377.25	0.01052	0.00547	0.0035	0.00367	1.72E-03	4.24E-03	6.83E-04	2.70E-04	6.92E-03	1.70E-03	1.84E-07	7.48E-06	7.90E-06	1.71E-03	2.06E-03	4.24E-03	6.83E-04	2.70E-04	7.25E-03
3891	474363.09	3853377.25	0.01116	0.00567	0.0036	0.00373	1.83E-03	4.40E-03	7.00E-04	2.75E-04	7.20E-03	1.80E-03	1.90E-07	7.68E-06	8.03E-06	1.81E-03	2.18E-03	4.40E-03	7.00E-04	2.75E-04	7.56E-03
3892	474863.09	3853377.25	0.01131	0.00556	0.0037	0.00378	1.85E-03	4.31E-03	7.19E-04	2.78E-04	7.16E-03	1.82E-03	1.87E-07	7.89E-06	8.14E-06	1.84E-03	2.21E-03	4.31E-03	7.19E-04	2.78E-04	7.52E-03
3893	475363.09	3853377.25	0.01169	0.00558	0.0038	0.00386	1.91E-03	4.33E-03	7.41E-04	2.84E-04	7.27E-03	1.88E-03	1.87E-07	8.12E-06	8.31E-06	1.90E-03	2.29E-03	4.33E-03	7.41E-04	2.84E-04	7.64E-03
3894	475863.09	3853377.25	0.01197	0.00561	0.0039	0.00395	1.96E-03	4.35E-03	7.50E-04	2.91E-04	7.35E-03	1.93E-03	1.88E-07	8.23E-06	8.50E-06	1.95E-03	2.34E-03	4.35E-03	7.50E-04	2.91E-04	7.74E-03
3895	476363.09	3853377.25	0.01131	0.00534	0.0037	0.004	1.85E-03	4.14E-03	7.23E-04	2.94E-04	7.01E-03	1.82E-03	1.79E-07	7.93E-06	8.61E-06	1.84E-03	2.21E-03	4.14E-03	7.23E-04	2.94E-04	7.37E-03
3896	476863.09	3853377.25	0.00983	0.00486	0.0034	0.00403	1.61E-03	3.77E-03	6.63E-04	2.97E-04	6.34E-03	1.58E-03	1.63E-07	7.27E-06	8.68E-06	1.60E-03	1.92E-03	3.77E-03	6.63E-04	2.97E-04	6.65E-03
3897	477363.09	3853377.25	0.00968	0.00489	0.0032	0.00408	1.58E-03	3.79E-03	6.15E-04	3.00E-04	6.29E-03	1.56E-03	1.64E-07	6.74E-06	8.78E-06	1.58E-03	1.89E-03	3.79E-03	6.15E-04	3.00E-04	6.60E-03
3898	477863.09	3853377.25	0.00974	0.00503	0.0029	0.00413	1.59E-03	3.90E-03	5.62E-04	3.04E-04	6.36E-03	1.57E-03	1.69E-07	6.17E-06	8.89E-06	1.58E-03	1.91E-03	3.90E-03	5.62E-04	3.04E-04	6.67E-03
3899	478363.09	3853377.25	0.00826	0.00459	0.0025	0.00418	1.35E-03	3.56E-03	4.85E-04	3.08E-04	5.70E-03	1.33E-03	1.54E-07	5.32E-06	9.00E-06	1.35E-03	1.62E-03	3.56E-03	4.85E-04	3.08E-04	5.97E-03
3900	478863.09	3853377.25	0.00642	0.00406	0.0022	0.00424	1.05E-03	3.15E-03	4.32E-04	3.12E-04	4.94E-03	1.03E-03	1.36E-07	4.74E-06	9.13E-06	1.05E-03	1.26E-03	3.15E-03	4.32E-04	3.12E-04	5.15E-03

3901	479363.09	3853377.25	0.01047	0.0056	0.0024	0.0045	1.71E-03	4.34E-03	4.56E-04	3.31E-04	6.84E-03	1.69E-03	1.88E-07	5.00E-06	9.69E-06	1.70E-03	2.05E-03	4.34E-03	4.56E-04	3.31E-04	7.18E-03
3902	479863.09	3853377.25	0.01611	0.00725	0.0025	0.00473	2.63E-03	5.62E-03	4.89E-04	3.48E-04	9.10E-03	2.60E-03	2.44E-07	5.36E-06	1.02E-05	2.61E-03	3.15E-03	5.62E-03	4.89E-04	3.48E-04	9.61E-03
3903	480363.09	3853377.25	0.02636	0.01094	0.0027	0.00492	4.31E-03	8.49E-03	5.16E-04	3.62E-04	1.37E-02	4.25E-03	3.67E-07	5.66E-06	1.06E-05	4.26E-03	5.16E-03	8.49E-03	5.16E-04	3.62E-04	1.45E-02
3904	480863.09	3853377.25	0.02938	0.01118	0.0027	0.00505	4.81E-03	8.67E-03	5.29E-04	3.72E-04	1.44E-02	4.73E-03	3.76E-07	5.80E-06	1.09E-05	4.75E-03	5.75E-03	8.67E-03	5.29E-04	3.72E-04	1.53E-02
3905	481363.09	3853377.25	0.03449	0.01832	0.0028	0.00534	5.64E-03	1.42E-02	5.43E-04	3.93E-04	2.08E-02	5.56E-03	6.15E-07	5.95E-06	1.15E-05	5.58E-03	6.75E-03	1.42E-02	5.43E-04	3.93E-04	2.19E-02
3906	481863.09	3853377.25	0.03533	0.02501	0.003	0.00563	5.78E-03	1.94E-02	5.76E-04	4.15E-04	2.62E-02	5.69E-03	8.40E-07	6.31E-06	1.21E-05	5.71E-03	6.91E-03	1.94E-02	5.76E-04	4.15E-04	2.73E-02
3907	482363.09	3853377.25	0.03513	0.02251	0.0031	0.00625	5.75E-03	1.75E-02	5.91E-04	4.60E-04	2.43E-02	5.66E-03	7.56E-07	6.48E-06	1.35E-05	5.68E-03	6.87E-03	1.75E-02	5.91E-04	4.60E-04	2.54E-02
3908	482863.09	3853377.25	0.04489	0.02179	0.0031	0.00687	7.34E-03	1.69E-02	5.95E-04	5.06E-04	2.53E-02	7.23E-03	7.32E-07	6.53E-06	1.48E-05	7.26E-03	8.78E-03	1.69E-02	5.95E-04	5.06E-04	2.68E-02
3909	483363.09	3853377.25	0.05457	0.01572	0.0031	0.00683	8.93E-03	1.22E-02	5.95E-04	5.03E-04	2.22E-02	8.79E-03	5.28E-07	6.53E-06	1.47E-05	8.81E-03	1.07E-02	1.22E-02	5.95E-04	5.03E-04	2.40E-02
3910	483863.09	3853377.25	0.04724	0.01261	0.0036	0.00725	7.73E-03	9.78E-03	7.06E-04	5.34E-04	1.87E-02	7.61E-03	4.24E-07	7.74E-06	1.56E-05	7.64E-03	9.24E-03	9.78E-03	7.06E-04	5.34E-04	2.03E-02
3911	484363.09	3853377.25	0.0436	0.01186	0.0042	0.0072	7.13E-03	9.20E-03	8.07E-04	5.30E-04	1.77E-02	7.03E-03	3.98E-07	8.84E-06	1.55E-05	7.05E-03	8.53E-03	9.20E-03	8.07E-04	5.30E-04	1.91E-02
3912	484863.09	3853377.25	0.03408	0.00928	0.0043	0.00819	5.57E-03	7.20E-03	8.30E-04	6.03E-04	1.42E-02	5.49E-03	3.12E-07	9.10E-06	1.76E-05	5.52E-03	6.67E-03	7.20E-03	8.30E-04	6.03E-04	1.53E-02
3913	485363.09	3853377.25	0.019	0.00717	0.0064	0.00879	3.11E-03	5.56E-03	1.24E-03	6.47E-04	1.06E-02	3.06E-03	2.41E-07	1.35E-05	1.89E-05	3.09E-03	3.72E-03	5.56E-03	1.24E-03	6.47E-04	1.12E-02
3914	485863.09	3853377.25	0.01256	0.00642	0.0047	0.00873	2.05E-03	4.98E-03	9.11E-04	6.43E-04	8.59E-03	2.02E-03	2.16E-07	9.99E-06	1.88E-05	2.05E-03	2.46E-03	4.98E-03	9.11E-04	6.43E-04	8.99E-03
3915	486363.09	3853377.25	0.01328	0.00722	0.0057	0.00945	2.17E-03	5.60E-03	1.10E-03	6.96E-04	9.57E-03	2.14E-03	2.43E-07	1.21E-05	2.03E-05	2.17E-03	2.60E-03	5.60E-03	1.10E-03	6.96E-04	1.00E-02
3916	486863.09	3853377.25	0.01411	0.0079	0.0067	0.00984	2.31E-03	6.13E-03	1.30E-03	7.24E-04	1.05E-02	2.27E-03	2.65E-07	1.42E-05	2.12E-05	2.31E-03	2.76E-03	6.13E-03	1.30E-03	7.24E-04	1.09E-02
3917	487363.09	3853377.25	0.01682	0.00881	0.006	0.01011	2.75E-03	6.83E-03	1.16E-03	7.44E-04	1.15E-02	2.71E-03	2.96E-07	1.28E-05	2.18E-05	2.75E-03	3.29E-03	6.83E-03	1.16E-03	7.44E-04	1.20E-02
3918	487863.09	3853377.25	0.02059	0.00956	0.0042	0.01041	3.37E-03	7.42E-03	8.22E-04	7.66E-04	1.24E-02	3.32E-03	3.21E-07	9.01E-06	2.24E-05	3.35E-03	4.03E-03	7.42E-03	8.22E-04	7.66E-04	1.30E-02
3919	488363.09	3853377.25	0.02517	0.01051	0.0046	0.01095	4.12E-03	8.15E-03	8.82E-04	8.06E-04	1.40E-02	4.06E-03	3.53E-07	9.67E-06	2.36E-05	4.09E-03	4.93E-03	8.15E-03	8.82E-04	8.06E-04	1.48E-02
3920	488863.09	3853377.25	0.02899	0.01108	0.0054	0.01152	4.74E-03	8.59E-03	1.04E-03	8.48E-04	1.52E-02	4.67E-03	3.72E-07	1.14E-05	2.48E-05	4.71E-03	5.67E-03	8.60E-03	1.04E-03	8.48E-04	1.62E-02
3921	489363.09	3853377.25	0.03234	0.01153	0.0058	0.01175	5.29E-03	8.94E-03	1.11E-03	8.65E-04	1.62E-02	5.21E-03	3.87E-07	1.22E-05	2.53E-05	5.25E-03	6.33E-03	8.94E-03	1.11E-03	8.65E-04	1.73E-02
3922	489863.09	3853377.25	0.03414	0.01189	0.0063	0.01185	5.58E-03	9.22E-03	1.23E-03	8.72E-04	1.69E-02	5.50E-03	3.99E-07	1.35E-05	2.55E-05	5.54E-03	6.68E-03	9.22E-03	1.23E-03	8.72E-04	1.80E-02
3923	490363.09	3853377.25	0.03867	0.01298	0.0064	0.01221	6.32E-03	1.01E-02	1.24E-03	8.99E-04	1.85E-02	6.23E-03	4.36E-07	1.37E-05	2.63E-05	6.27E-03	7.57E-03	1.01E-02	1.24E-03	8.99E-04	1.98E-02
3924	490863.09	3853377.25	0.04253	0.01373	0.0061	0.0125	6.96E-03	1.07E-02	1.19E-03	9.20E-04	1.97E-02	6.85E-03	4.61E-07	1.30E-05	2.69E-05	6.89E-03	8.32E-03	1.07E-02	1.19E-03	9.20E-04	2.11E-02
3925	491363.09	3853377.25	0.04594	0.0145	0.0058	0.01266	7.51E-03	1.12E-02	1.13E-03	9.32E-04	2.08E-02	7.40E-03	4.87E-07	1.24E-05	2.73E-05	7.44E-03	8.99E-03	1.12E-02	1.13E-03	9.32E-04	2.23E-02
3926	491863.09	3853377.25	0.04856	0.01512	0.0074	0.0127	7.94E-03	1.17E-02	1.44E-03	9.35E-04	2.20E-02	7.82E-03	5.08E-07	1.58E-05	2.73E-05	7.87E-03	9.50E-03	1.17E-02	1.44E-03	9.35E-04	2.36E-02
3927	492363.09	3853377.25	0.05236	0.01604	0.0102	0.01282	8.56E-03	1.24E-02	1.97E-03	9.44E-04	2.39E-02	8.44E-03	5.39E-07	2.16E-05	2.76E-05	8.49E-03	1.02E-02	1.24E-02	1.97E-03	9.44E-04	2.56E-02
3928	492863.09	3853377.25	0.05556	0.01698	0.0126	0.01298	9.09E-03	1.32E-02	2.45E-03	9.56E-04	2.57E-02	8.95E-03	5.70E-07	2.69E-05	2.79E-05	9.01E-03	1.09E-02	1.32E-02	2.45E-03	9.56E-04	2.75E-02
3929	493363.09	3853377.25	0.05554	0.01739	0.0123	0.01292	9.08E-03	1.35E-02	2.38E-03	9.51E-04	2.59E-02	8.95E-03	5.84E-07	2.60E-05	2.78E-05	9.00E-03	1.09E-02	1.35E-02	2.38E-03	9.51E-04	2.77E-02
3930	493863.09	3853377.25	0.05498	0.01755	0.0115	0.01295	8.99E-03	1.36E-02	2.23E-03	9.53E-04	2.58E-02	8.86E-03	5.90E-07	2.44E-05	2.79E-05	8.91E-03	1.08E-02	1.36E-02	2.23E-03	9.53E-04	2.76E-02
3931	494363.09	3853377.25	0.05264	0.01721	0.0111	0.01289	8.61E-03	1.33E-02	2.15E-03	9.49E-04	2.51E-02	8.48E-03	5.78E-07	2.36E-05	2.77E-05	8.53E-03	1.03E-02	1.34E-02	2.15E-03	9.49E-04	2.67E-02
3932	494863.09	3853377.25	0.0495	0.01668	0.0121	0.01277	8.10E-03	1.29E-02	2.34E-03	9.40E-04	2.43E-02	7.98E-03	5.60E-07	2.57E-05	2.75E-05	8.03E-03	9.69E-03	1.29E-02	2.34E-03	9.40E-04	2.59E-02
3933	495363.09	3853377.25	0.04776	0.01655	0.0134	0.0127	7.81E-03	1.28E-02	2.59E-03	9.35E-04	2.42E-02	7.70E-03	5.56E-07	2.84E-05	2.73E-05	7.75E-03	9.35E-03	1.28E-02	2.59E-03	9.35E-04	2.57E-02
3934	495863.09	3853377.25	0.04502	0.01613	0.0142	0.01252	7.36E-03	1.25E-02	2.75E-03	9.22E-04	2.35E-02	7.25E-03	5.42E-07	3.01E-05	2.70E-05	7.31E-03	8.81E-03	1.25E-02	2.75E-03	9.22E-04	2.50E-02
3935	496363.09	3853377.25	0.04125	0.01539	0.0147	0.01227	6.75E-03	1.19E-02	2.85E-03	9.03E-04	2.24E-02	6.65E-03	5.17E-07	3.12E-05	2.64E-05	6.70E-03	8.07E-03	1.19E-02	2.85E-03	9.03E-04	2.38E-02
3936	496863.09	3853377.25	0.03623	0.01424	0.0152	0.01196	5.93E-03	1.10E-02	2.95E-03	8.81E-04	2.08E-02	5.84E-03	4.78E-07	3.24E-05	2.57E-05	5.90E-03	7.09E-03	1.10E-02	2.95E-03	8.81E-04	2.20E-02
3937	497363.09	3853377.25	0.03023	0.01276	0.0156	0.01162	4.94E-03	9.90E-03	3.03E-03	8.56E-04	1.87E-02	4.87E-03	4.29E-07	3.32E-05	2.50E-05	4.93E-03	5.92E-03	9.90E-03	3.03E-03	8.56E-04	1.97E-02
3938	497863.09	3853377.25	0.0207	0.00986	0.0151	0.01089	3.39E-03	7.65E-03	2.93E-03	8.02E-04	1.48E-02	3.34E-03	3.31E-07	3.22E-05	2.34E-05	3.39E-03	4.05E-03	7.65E-03	2.93E-03	8.02E-04	1.54E-02
3939	498363.09	3853377.25	0.0164	0.00848	0.0151	0.01033	2.68E-03	6.58E-03	2.93E-03	7.61E-04	1.30E-02	2.64E-03	2.85E-07	3.21E-05	2.22E-05	2.70E-03	3.21E-03	6.58E-03	2.93E-03	7.61E-04	1.35E-02
3940	471363.09	3853877.25	0.00728	0.00459	0.0036	0.00315	1.19E-03	3.56E-03	6.90E-04	2.32E-04	5.67E-03	1.17E-03	1.54E-07	7.57E-06	6.78E-06	1.19E-03	1.42E-03	3.56E-03	6.90E-04	2.32E-04	5.91E-03
3941	471863.09	3853877.25	0.00817	0.00493	0.0038	0.00329	1.34E-03	3.82E-03	7.31E-04	2.42E-04	6.13E-03	1.32E-03	1.66E-07	8.02E-06	7.08E-06	1.33E-03	1.60E-03	3.82E-03	7.31E-04	2.42E-04	6.40E-03
3942	472363.09	3853877.25	0.00876	0.00509	0.0039	0.00341	1.43E-03	3.95E-03	7.48E-04	2.51E-04	6.38E-03	1.41E-03	1.71E-07	8.21E-06	7.34E-06	1.43E-03	1.71E-03	3.95E-03	7.48E-04	2.51E-04	6.66E-03
3943	472863.09	3853877.25	0.00949	0.00531	0.0039	0.00356	1.55E-03	4.12E-03	7.64E-04	2.62E-04	6.70E-03	1.53E-03	1.78E-07	8.38E-06	7.66E-06	1.55E-03	1.86E-03	4.12E-03	7.64E-04	2.62E-04	7.00E-03
3944	473363.09	3853877.25	0.01002	0.00543	0.0039	0.00369	1.64E-03	4.21E-03	7.62E-04	2.72E-04	6.88E-03	1.61E-03	1.82E-07	8.36E-06	7.94E-06	1.63E-03	1.96E-03	4.21E-03	7.62E-04	2.72E-04	7.21E-03
3945	473863.09	3853877.25	0.01058	0.00558	0.0039	0.00382	1.73E-03	4.33E-03	7.58E-04	2.81E-04	7.10E-03	1.70E-03	1.87E-07	8.31E-06	8.22E-06	1.72E-03	2.07E-03	4.33E-03	7.58E-04	2.81E-04	7.44E-03
3946	474363.09	3853877.25	0.01128	0.00583	0.0039	0.00395	1.84E-03	4.52E-03	7.56E-04	2.91E-04	7.41E-03	1.82E-03	1.96E-07	8.29E-06	8.50E-06	1.83E-03	2.21E-03	4.52E-03	7.56E-04	2.91E-04	7.78E-03
3947	474863.09	3853877.25	0.01185	0.00601	0.0039	0.00406	1.94E-03	4.66E-03	7.54E-04	2.99E-04	7.65E-03	1.91E-03	2.02E-07	8.27E-06	8.74E-06	1.93E-03	2.32E-03	4.66E-03	7.54E-04	2.99E-04	8.03E-03
3948	475363.09	3853877.25	0.01165	0.00584	0.0039	0.00411	1.91E-03	4.53E-03	7.52E-04	3.03E-04	7.49E-03	1.88E-03	1.96E-07	8.25E-06	8.85E-06	1.89E-03	2.28E-03	4.53E-03	7.52E-04	3.03E-04	7.86E-03
3949	475863.09	3853877.25	0.01016	0.00527	0.0038	0.00412	1.66E-03	4.09E-03	7.45E-04	3.03E-04	6.80E-03	1.64E-03	1.77E-07	8.16E-06	8.87E-06	1.65E-03	1.99E-03	4.09E-03	7.45E-04	3.03E-04	7.12E-03
3950	476363.09	3853877.25	0.00864	0.00477	0.0038	0.00416	1.41E-03	3.70E-03	7.35E-04	3.06E-04	6.15E-03	1.39E-03	1.60E-07	8.06E-06	8.96E-06	1.41E-03	1.69E-03	3.70E-03	7.35E-04	3.06E-04	6.43E-03
3951	476863.09	3853877.25	0.00698	0.00423	0.0036	0.00422	1.14E-03	3.28E-03	6.88E-04	3.11E-04	5.42E-03	1.12E-03	1.42E-07	7.55E-06	9.08E-06	1.14E-03	1.37E-03	3.28E-03	6.88E-04	3.11E-04	5.65E-03
3952	477363.09	3853877.25	0.00772	0.00447	0.0035	0.00435	1.26E-03	3.47E-03	6.79E-04	3.20E-04	5.73E-03	1.24E-03	1.50E-07	7.44E-06	9.36E-06	1.26E-03	1.51E-03	3.47E-03	6.79E-04	3.20E-04	5.98E-03
3953	477863.09	3853877.25	0.00892	0.0049	0.0035	0.00451	1.46E-03	3.80E-03	6.75E-04	3.32E-04	6.27E-03	1.44E-03	1.65E-07	7.40E-06	9.71E-06	1.45E-03	1.75E-03	3.80E-03	6.75E-04	3.32E-04	6.55E-03
3954	478363.09	3853877.25	0.00951	0.00518	0.0033	0.00466	1.56E-03	4.02E-03	6.42E-04	3.43E-04	6.56E-03	1.53E-03	1.74E-07	7.04E-06	1.00E-05	1.55E-03	1.86E-03	4.02E-03	6.42E-04	3.43E-04	6.86E-03
3955	478863.09	3853877.25	0.00691	0.00434	0.0028	0.00473	1.13E-03	3.37E-03	5.51E-04	3.48E-04	5.40E-03	1.11E-03	1.46E-07	6.04E-06	1.02E-05	1.13E-03	1.35E-03	3.37E-03	5.51E-04	3.48E-04	5.62E-03
3956	479363.09	3853877.25	0.00926	0.00528	0.0028	0.00494	1.51E-03	4.10E-03	5.33E-04	3.64E-04	6.51E-03	1.49E-03	1.77E-07	5.85E-06	1.06E-05	1.51E-03	1.81E-03	4.10E-03	5.33E-04	3.64E-04	6.80E-03
3957	479863.09	3853877.25	0.01676	0.00773	0.0029	0.0053	2.74E-03	6.00E-03	5.55E-04	3.90E-04	9.68E-03	2.70E-03	2.60E-07	6.08E-06	1.14E-05	2.72E-03	3.28E-03	6.00E-03	5.55E-04	3.90E-04	1.02E-02
3958	480363.09	3853877.25	0.02412	0.00988	0.0028	0.00572	3.95E-03	7.66E-03	5.43E-04	4.21E-04	1.26E-02	3.89E-03	3.32E-07	5.95E-06	1.23E-05	3.91E-03	4.72E-03	7.66E-03	5.43E-04	4.21E-04	1.33E-02
3959	480863.09	3853877.25	0.03422	0.01466	0.0029	0.00603	5.60E-03	1.14E-02	5.55E-04	4.44E-04	1.80E-02	5.51E-03	4.92E-07	6.08E-06	1.30E-05	5.53E-03	6.70E-03	1.14E-02	5.55E-04	4.44E-04	1.91E-02
3960	481363.09	3853877.25	0.03975	0.02041	0.003	0.00639	6.50E-03	1.58E-02	5.76E-04	4.70E-04	2.34E-02	6.40E-03	6.86E-07	6.31E-06	1.38E-05	6.43E-03	7.78E-03	1.58E-02	5.76E-04	4.70E-04	2.47E-02
3961	481863.09	3853877.25	0.04281	0.03363	0.0032	0.00715	7.00E-03	2.61E-02	6.11E-04	5.26E-04	3.42E-02	6.90E-03	1.13E-06	6.70E-06	1.54E-05	6.92E-03	8.38E-03	2.61E-02	6.11E-04	5.26E-04	3.56E-02

3962	482363.09	3853877.25	0.04702	0.03192	0.0033	0.00806	7.69E-03	2.48E-02	6.30E-04	5.93E-04	3.37E-02	7.58E-03	1.07E-06	6.91E-06	1.74E-05	7.60E-03	9.20E-03	2.48E-02	6.30E-04	5.93E-04	3.52E-02
3963	482863.09	3853877.25	0.0507	0.02681	0.0033	0.00929	8.29E-03	2.08E-02	6.44E-04	6.84E-04	3.04E-02	8.17E-03	9.01E-07	7.06E-06	2.00E-05	8.20E-03	9.92E-03	2.08E-02	6.44E-04	6.84E-04	3.20E-02
3964	483363.09	3853877.25	0.06304	0.02091	0.0033	0.00909	1.03E-02	1.62E-02	6.48E-04	6.69E-04	2.78E-02	1.02E-02	7.02E-07	7.10E-06	1.96E-05	1.02E-02	1.23E-02	1.62E-02	6.48E-04	6.69E-04	2.99E-02
3965	483863.09	3853877.25	0.07708	0.01846	0.0034	0.00984	1.26E-02	1.43E-02	6.61E-04	7.24E-04	2.83E-02	1.24E-02	6.20E-07	7.25E-06	2.12E-05	1.24E-02	1.51E-02	1.43E-02	6.61E-04	7.24E-04	3.08E-02
3966	484363.09	3853877.25	0.0617	0.01424	0.0043	0.01103	1.01E-02	1.10E-02	8.34E-04	8.12E-04	2.28E-02	9.94E-03	4.78E-07	9.14E-06	2.37E-05	9.98E-03	1.21E-02	1.10E-02	8.34E-04	8.12E-04	2.48E-02
3967	484863.09	3853877.25	0.03923	0.01148	0.0053	0.01245	6.42E-03	8.91E-03	1.02E-03	9.17E-04	1.73E-02	6.32E-03	3.86E-07	1.12E-05	2.68E-05	6.36E-03	7.68E-03	8.91E-03	1.02E-03	9.17E-04	1.85E-02
3968	485363.09	3853877.25	0.02066	0.00961	0.005	0.01252	3.38E-03	7.45E-03	9.71E-04	9.22E-04	1.27E-02	3.33E-03	3.23E-07	1.07E-05	2.70E-05	3.37E-03	4.04E-03	7.45E-03	9.71E-04	9.22E-04	1.34E-02
3969	485863.09	3853877.25	0.02326	0.0114	0.0066	0.01322	3.80E-03	8.84E-03	1.29E-03	9.73E-04	1.49E-02	3.75E-03	3.83E-07	1.41E-05	2.85E-05	3.79E-03	4.55E-03	8.84E-03	1.29E-03	9.73E-04	1.57E-02
3970	486363.09	3853877.25	0.02385	0.0122	0.0059	0.01326	3.90E-03	9.46E-03	1.14E-03	9.76E-04	1.55E-02	3.84E-03	4.10E-07	1.25E-05	2.85E-05	3.88E-03	4.67E-03	9.46E-03	1.14E-03	9.76E-04	1.63E-02
3971	486863.09	3853877.25	0.02649	0.01268	0.0077	0.01319	4.33E-03	9.84E-03	1.49E-03	9.71E-04	1.66E-02	4.27E-03	4.26E-07	1.64E-05	2.84E-05	4.31E-03	5.18E-03	9.84E-03	1.49E-03	9.71E-04	1.75E-02
3972	487363.09	3853877.25	0.03371	0.01389	0.0077	0.01383	5.51E-03	1.08E-02	1.50E-03	1.02E-03	1.88E-02	5.43E-03	4.67E-07	1.65E-05	2.98E-05	5.48E-03	6.60E-03	1.08E-02	1.50E-03	1.02E-03	1.99E-02
3973	487863.09	3853877.25	0.04567	0.01583	0.005	0.01459	7.47E-03	1.23E-02	9.77E-04	1.07E-03	2.18E-02	7.36E-03	5.32E-07	1.07E-05	3.14E-05	7.40E-03	8.94E-03	1.23E-02	9.77E-04	1.07E-03	2.33E-02
3974	488363.09	3853877.25	0.05401	0.01702	0.0052	0.01488	8.83E-03	1.32E-02	1.01E-03	1.10E-03	2.41E-02	8.70E-03	5.72E-07	1.11E-05	3.20E-05	8.75E-03	1.06E-02	1.32E-02	1.01E-03	1.10E-03	2.59E-02
3975	488863.09	3853877.25	0.06426	0.0186	0.0061	0.01555	1.05E-02	1.44E-02	1.19E-03	1.14E-03	2.73E-02	1.04E-02	6.25E-07	1.30E-05	3.35E-05	1.04E-02	1.26E-02	1.44E-02	1.19E-03	1.14E-03	2.93E-02
3976	489363.09	3853877.25	0.06496	0.01843	0.0072	0.01549	1.06E-02	1.43E-02	1.39E-03	1.14E-03	2.75E-02	1.05E-02	6.19E-07	1.53E-05	3.33E-05	1.05E-02	1.27E-02	1.43E-02	1.39E-03	1.14E-03	2.95E-02
3977	489863.09	3853877.25	0.06981	0.01947	0.0085	0.0155	1.14E-02	1.51E-02	1.65E-03	1.14E-03	2.93E-02	1.12E-02	6.54E-07	1.81E-05	3.34E-05	1.13E-02	1.37E-02	1.51E-02	1.65E-03	1.14E-03	3.16E-02
3978	490363.09	3853877.25	0.07113	0.01976	0.0089	0.0153	1.16E-02	1.53E-02	1.73E-03	1.13E-03	2.98E-02	1.15E-02	6.64E-07	1.89E-05	3.29E-05	1.15E-02	1.39E-02	1.53E-02	1.73E-03	1.13E-03	3.21E-02
3979	490863.09	3853877.25	0.07354	0.02032	0.0066	0.01522	1.20E-02	1.58E-02	1.29E-03	1.12E-03	3.02E-02	1.18E-02	6.83E-07	1.41E-05	3.28E-05	1.19E-02	1.44E-02	1.58E-02	1.29E-03	1.12E-03	3.26E-02
3980	491363.09	3853877.25	0.07581	0.02089	0.0081	0.01522	1.24E-02	1.62E-02	1.57E-03	1.12E-03	3.13E-02	1.22E-02	7.02E-07	1.72E-05	3.28E-05	1.23E-02	1.48E-02	1.62E-02	1.57E-03	1.12E-03	3.37E-02
3981	491863.09	3853877.25	0.07698	0.02131	0.012	0.01509	1.26E-02	1.65E-02	2.33E-03	1.11E-03	3.26E-02	1.24E-02	7.16E-07	2.55E-05	3.25E-05	1.25E-02	1.51E-02	1.65E-02	2.33E-03	1.11E-03	3.50E-02
3982	492363.09	3853877.25	0.07987	0.02248	0.0147	0.01502	1.31E-02	1.74E-02	2.85E-03	1.11E-03	3.45E-02	1.29E-02	7.55E-07	3.13E-05	3.23E-05	1.29E-02	1.56E-02	1.74E-02	2.85E-03	1.11E-03	3.70E-02
3983	492863.09	3853877.25	0.08021	0.02321	0.0151	0.015	1.31E-02	1.80E-02	2.92E-03	1.10E-03	3.51E-02	1.29E-02	7.80E-07	3.20E-05	3.23E-05	1.30E-02	1.57E-02	1.80E-02	2.92E-03	1.10E-03	3.77E-02
3984	493363.09	3853877.25	0.07755	0.02308	0.0137	0.01495	1.27E-02	1.79E-02	2.66E-03	1.10E-03	3.43E-02	1.25E-02	7.75E-07	2.91E-05	3.22E-05	1.26E-02	1.52E-02	1.79E-02	2.66E-03	1.10E-03	3.68E-02
3985	493863.09	3853877.25	0.07364	0.02259	0.0138	0.01485	1.20E-02	1.75E-02	2.67E-03	1.09E-03	3.33E-02	1.19E-02	7.59E-07	2.93E-05	3.20E-05	1.19E-02	1.44E-02	1.75E-02	2.67E-03	1.09E-03	3.57E-02
3986	494363.09	3853877.25	0.07026	0.0223	0.0162	0.01475	1.15E-02	1.73E-02	3.15E-03	1.09E-03	3.30E-02	1.13E-02	7.49E-07	3.45E-05	3.18E-05	1.14E-02	1.37E-02	1.73E-02	3.15E-03	1.09E-03	3.53E-02
3987	494863.09	3853877.25	0.0653	0.02147	0.0179	0.01446	1.07E-02	1.67E-02	3.47E-03	1.06E-03	3.19E-02	1.05E-02	7.21E-07	3.80E-05	3.11E-05	1.06E-02	1.28E-02	1.67E-02	3.47E-03	1.06E-03	3.40E-02
3988	495363.09	3853877.25	0.05604	0.01933	0.0173	0.01383	9.17E-03	1.50E-02	3.35E-03	1.02E-03	2.85E-02	9.03E-03	6.49E-07	3.67E-05	2.98E-05	9.10E-03	1.10E-02	1.50E-02	3.35E-03	1.02E-03	3.03E-02
3989	495863.09	3853877.25	0.04893	0.01783	0.0175	0.01339	8.00E-03	1.38E-02	3.39E-03	9.86E-04	2.62E-02	7.88E-03	5.99E-07	3.72E-05	2.88E-05	7.95E-03	9.57E-03	1.38E-02	3.39E-03	9.86E-04	2.78E-02
3990	496363.09	3853877.25	0.04442	0.01701	0.0184	0.01315	7.27E-03	1.32E-02	3.56E-03	9.68E-04	2.50E-02	7.16E-03	5.71E-07	3.90E-05	2.83E-05	7.23E-03	8.69E-03	1.32E-02	3.56E-03	9.68E-04	2.64E-02
3991	496863.09	3853877.25	0.0374	0.01535	0.0189	0.01271	6.12E-03	1.19E-02	3.67E-03	9.36E-04	2.26E-02	6.03E-03	5.16E-07	4.02E-05	2.74E-05	6.09E-03	7.32E-03	1.19E-02	3.67E-03	9.36E-04	2.38E-02
3992	497363.09	3853877.25	0.03185	0.01401	0.0191	0.01237	5.21E-03	1.09E-02	3.71E-03	9.11E-04	2.07E-02	5.13E-03	4.71E-07	4.07E-05	2.66E-05	5.20E-03	6.23E-03	1.09E-02	3.71E-03	9.11E-04	2.17E-02
3993	497863.09	3853877.25	0.02511	0.01208	0.0192	0.0119	4.11E-03	9.37E-03	3.73E-03	8.76E-04	1.81E-02	4.05E-03	4.06E-07	4.09E-05	2.56E-05	4.11E-03	4.91E-03	9.37E-03	3.73E-03	8.76E-04	1.89E-02
3994	498363.09	3853877.25	0.02134	0.01092	0.019	0.01142	3.49E-03	8.47E-03	3.69E-03	8.41E-04	1.65E-02	3.44E-03	3.67E-07	4.04E-05	2.46E-05	3.50E-03	4.18E-03	8.47E-03	3.69E-03	8.41E-04	1.72E-02
3995	471363.09	3854377.25	0.00712	0.00476	0.0034	0.00316	1.16E-03	3.69E-03	6.59E-04	2.33E-04	5.75E-03	1.15E-03	1.60E-07	7.23E-06	6.80E-06	1.16E-03	1.39E-03	3.69E-03	6.59E-04	2.33E-04	5.98E-03
3996	471863.09	3854377.25	0.0078	0.00517	0.0037	0.00329	1.28E-03	4.01E-03	7.10E-04	2.42E-04	6.24E-03	1.26E-03	1.74E-07	7.78E-06	7.08E-06	1.27E-03	1.53E-03	4.01E-03	7.10E-04	2.42E-04	6.49E-03
3997	472363.09	3854377.25	0.00838	0.00545	0.0039	0.00341	1.37E-03	4.23E-03	7.52E-04	2.51E-04	6.60E-03	1.35E-03	1.83E-07	8.25E-06	7.34E-06	1.37E-03	1.64E-03	4.23E-03	7.52E-04	2.51E-04	6.87E-03
3998	472863.09	3854377.25	0.00891	0.00562	0.0041	0.00354	1.46E-03	4.36E-03	7.89E-04	2.61E-04	6.87E-03	1.44E-03	1.89E-07	8.65E-06	7.62E-06	1.45E-03	1.74E-03	4.36E-03	7.89E-04	2.61E-04	7.15E-03
3999	473363.09	3854377.25	0.00964	0.00588	0.0043	0.00368	1.58E-03	4.56E-03	8.28E-04	2.71E-04	7.24E-03	1.55E-03	1.98E-07	9.08E-06	7.92E-06	1.57E-03	1.89E-03	4.56E-03	8.28E-04	2.71E-04	7.55E-03
4000	473863.09	3854377.25	0.01054	0.00618	0.0045	0.00385	1.72E-03	4.79E-03	8.63E-04	2.83E-04	7.66E-03	1.70E-03	2.08E-07	9.46E-06	8.29E-06	1.72E-03	2.06E-03	4.79E-03	8.63E-04	2.83E-04	8.00E-03
4001	474363.09	3854377.25	0.01147	0.00643	0.0046	0.00402	1.88E-03	4.99E-03	8.84E-04	2.96E-04	8.04E-03	1.85E-03	2.16E-07	9.70E-06	8.65E-06	1.87E-03	2.24E-03	4.99E-03	8.84E-04	2.96E-04	8.41E-03
4002	474863.09	3854377.25	0.01148	0.00613	0.0044	0.00413	1.88E-03	4.76E-03	8.59E-04	3.04E-04	7.80E-03	1.85E-03	2.06E-07	9.42E-06	8.89E-06	1.87E-03	2.25E-03	4.76E-03	8.59E-04	3.04E-04	8.16E-03
4003	475363.09	3854377.25	0.01035	0.00551	0.0043	0.00425	1.69E-03	4.27E-03	8.42E-04	3.13E-04	7.12E-03	1.67E-03	1.85E-07	9.23E-06	9.15E-06	1.69E-03	2.03E-03	4.27E-03	8.42E-04	3.13E-04	7.45E-03
4004	475863.09	3854377.25	0.00732	0.00449	0.0039	0.0042	1.20E-03	3.48E-03	7.64E-04	3.09E-04	5.75E-03	1.18E-03	1.51E-07	8.38E-06	9.04E-06	1.20E-03	1.43E-03	3.48E-03	7.64E-04	3.09E-04	5.99E-03
4005	476363.09	3854377.25	0.00665	0.00433	0.0039	0.00433	1.09E-03	3.36E-03	7.64E-04	3.19E-04	5.53E-03	1.07E-03	1.45E-07	8.38E-06	9.32E-06	1.09E-03	1.30E-03	3.36E-03	7.64E-04	3.19E-04	5.74E-03
4006	476863.09	3854377.25	0.00649	0.00434	0.0039	0.00448	1.06E-03	3.37E-03	7.64E-04	3.30E-04	5.52E-03	1.05E-03	1.46E-07	8.38E-06	9.64E-06	1.06E-03	1.27E-03	3.37E-03	7.64E-04	3.30E-04	5.73E-03
4007	477363.09	3854377.25	0.0065	0.0044	0.0039	0.00464	1.06E-03	3.41E-03	7.64E-04	3.42E-04	5.58E-03	1.05E-03	1.48E-07	8.38E-06	9.99E-06	1.07E-03	1.27E-03	3.41E-03	7.64E-04	3.42E-04	5.79E-03
4008	477863.09	3854377.25	0.00672	0.00451	0.0039	0.00482	1.10E-03	3.50E-03	7.54E-04	3.55E-04	5.71E-03	1.08E-03	1.51E-07	8.27E-06	1.04E-05	1.10E-03	1.31E-03	3.50E-03	7.54E-04	3.55E-04	5.92E-03
4009	478363.09	3854377.25	0.00799	0.00498	0.0039	0.00504	1.31E-03	3.86E-03	7.48E-04	3.71E-04	6.29E-03	1.29E-03	1.67E-07	8.21E-06	1.08E-05	1.31E-03	1.56E-03	3.86E-03	7.48E-04	3.71E-04	6.55E-03
4010	478863.09	3854377.25	0.00885	0.00535	0.0038	0.00527	1.45E-03	4.15E-03	7.41E-04	3.88E-04	6.73E-03	1.43E-03	1.80E-07	8.12E-06	1.13E-05	1.45E-03	1.73E-03	4.15E-03	7.41E-04	3.88E-04	7.01E-03
4011	479363.09	3854377.25	0.01387	0.00707	0.0041	0.00564	2.27E-03	5.48E-03	7.95E-04	4.15E-04	8.96E-03	2.23E-03	2.37E-07	8.72E-06	1.21E-05	2.26E-03	2.71E-03	5.48E-03	7.95E-04	4.15E-04	9.41E-03
4012	479863.09	3854377.25	0.01846	0.00849	0.0041	0.00602	3.02E-03	6.59E-03	7.87E-04	4.43E-04	1.08E-02	2.97E-03	2.85E-07	8.63E-06	1.30E-05	3.00E-03	3.61E-03	6.59E-03	7.87E-04	4.43E-04	1.14E-02
4013	480363.09	3854377.25	0.02583	0.01078	0.0039	0.00653	4.22E-03	8.36E-03	7.48E-04	4.81E-04	1.38E-02	4.16E-03	3.62E-07	8.21E-06	1.41E-05	4.18E-03	5.05E-03	8.36E-03	7.48E-04	4.81E-04	1.46E-02
4014	480863.09	3854377.25	0.0383	0.01484	0.0035	0.00717	6.26E-03	1.15E-02	6.75E-04	5.28E-04	1.90E-02	6.17E-03	4.98E-07	7.40E-06	1.54E-05	6.19E-03	7.49E-03	1.15E-02	6.75E-04	5.28E-04	2.02E-02
4015	481363.09	3854377.25	0.04875	0.02044	0.0032	0.00806	7.97E-03	1.59E-02	6.26E-04	5.93E-04	2.50E-02	7.86E-03	6.87E-07	6.87E-06	1.74E-05	7.88E-03	9.54E-03	1.59E-02	6.26E-04	5.93E-04	2.66E-02
4016	481863.09	3854377.25	0.05452	0.04339	0.0034	0.00962	8.92E-03	3.37E-02	6.59E-04	7.08E-04	4.39E-02	8.78E-03	1.46E-06	7.23E-06	2.07E-05	8.81E-03	1.07E-02	3.37E-02	6.59E-04	7.08E-04	4.57E-02
4017	482363.09	3854377.25	0.05945	0.04985	0.0035	0.01215	9.72E-03	3.87E-02	6.79E-04	8.95E-04	5.00E-02	9.58E-03	1.67E-06	7.44E-06	2.62E-05	9.61E-03	1.16E-02	3.87E-02	6.79E-04	8.95E-04	5.19E-02
4018	482863.09	3854377.25	0.06578	0.03965	0.0035	0.01593	1.08E-02	3.08E-02	6.86E-04	1.17E-03	4.34E-02	1.06E-02	1.33E-06	7.53E-06	3.43E-05	1.06E-02	1.29E-02	3.08E-02	6.86E-04	1.17E-03	4.55E-02
4019	483363.09	3854377.25	0.08284	0.03002	0.0037	0.01637	1.35E-02	2.33E-02	7.08E-04	1.21E-03	3.87E-02	1.33E-02	1.01E-06	7.76E-06	3.52E-05	1.34E-02	1.62E-02	2.33E-02	7.08E-04	1.21E-03	4.14E-02
4020	483863.09	3854377.25	0.09452	0.02248	0.0037	0.0225	1.55E-02	1.74E-02	7.21E-04	1.66E-03	3.53E-02	1.52E-02	7.55E-07	7.91E-06	4.84E-05	1.53E-02	1.85E-02	1.74E-02	7.21E-04	1.66E-03	3.83E-02
4021	484363.09	3854377.25	0.08202	0.01978	0.0039	0.02377	1.34E-02	1.53E-02	7.60E-04	1.75E-03	3.13E-02	1.32E-02	6.64E-07	8.33E-06	5.12E-05	1.33E-02	1.60E-02	1.53E-02	7.60E-04	1.75E-03	3.39E-02
4022	484863.09	3854377.25	0.04351	0.01781	0.0058	0.02076	7.12E-03	1.38E-02	1.12E-03	1.53E-03	2.36E-02	7.01E-03	5.98E-07	1.22E-05	4.47E-05	7.07E-03	8.51E-03	1.38E-02	1.12E-03	1.53E-03	2.50E-02

4023	485363.09	3854377.25	0.05192	0.02191	0.0057	0.01954	8.49E-03	1.70E-02	1.10E-03	1.44E-03	2.80E-02	8.37E-03	7.36E-07	1.21E-05	4.21E-05	8.42E-03	1.02E-02	1.70E-02	1.10E-03	1.44E-03	2.97E-02
4024	485863.09	3854377.25	0.04545	0.02043	0.0072	0.01938	7.43E-03	1.58E-02	1.39E-03	1.43E-03	2.61E-02	7.32E-03	6.86E-07	1.53E-05	4.17E-05	7.38E-03	8.89E-03	1.58E-02	1.39E-03	1.43E-03	2.76E-02
4025	486363.09	3854377.25	0.06275	0.02234	0.0068	0.01911	1.03E-02	1.73E-02	1.31E-03	1.41E-03	3.03E-02	1.01E-02	7.50E-07	1.44E-05	4.11E-05	1.02E-02	1.23E-02	1.73E-02	1.31E-03	1.41E-03	3.23E-02
4026	486863.09	3854377.25	0.07201	0.0224	0.0087	0.01977	1.18E-02	1.74E-02	1.69E-03	1.46E-03	3.23E-02	1.16E-02	7.52E-07	1.85E-05	4.26E-05	1.17E-02	1.41E-02	1.74E-02	1.69E-03	1.46E-03	3.46E-02
4027	487363.09	3854377.25	0.08788	0.02405	0.0105	0.0201	1.44E-02	1.87E-02	2.04E-03	1.48E-03	3.65E-02	1.42E-02	8.08E-07	2.23E-05	4.33E-05	1.42E-02	1.72E-02	1.87E-02	2.04E-03	1.48E-03	3.94E-02
4028	487863.09	3854377.25	0.10683	0.02632	0.0061	0.02016	1.75E-02	2.04E-02	1.18E-03	1.48E-03	4.06E-02	1.72E-02	8.84E-07	1.30E-05	4.34E-05	1.73E-02	2.09E-02	2.04E-02	1.18E-03	1.48E-03	4.40E-02
4029	488363.09	3854377.25	0.11893	0.02783	0.006	0.0202	1.95E-02	2.16E-02	1.17E-03	1.49E-03	4.37E-02	1.92E-02	9.35E-07	1.28E-05	4.35E-05	1.92E-02	2.33E-02	2.16E-02	1.17E-03	1.49E-03	4.75E-02
4030	488863.09	3854377.25	0.12699	0.02896	0.0071	0.01989	2.08E-02	2.25E-02	1.37E-03	1.46E-03	4.61E-02	2.05E-02	9.73E-07	1.50E-05	4.28E-05	2.05E-02	2.48E-02	2.25E-02	1.37E-03	1.46E-03	5.02E-02
4031	489363.09	3854377.25	0.12974	0.0297	0.0096	0.01935	2.12E-02	2.30E-02	1.85E-03	1.42E-03	4.75E-02	2.09E-02	9.98E-07	2.03E-05	4.17E-05	2.10E-02	2.54E-02	2.30E-02	1.85E-03	1.42E-03	5.17E-02
4032	489863.09	3854377.25	0.12865	0.03008	0.0111	0.01889	2.10E-02	2.33E-02	2.16E-03	1.39E-03	4.79E-02	2.07E-02	1.01E-06	2.36E-05	4.07E-05	2.08E-02	2.52E-02	2.33E-02	2.16E-03	1.39E-03	5.21E-02
4033	490363.09	3854377.25	0.12491	0.02977	0.0092	0.01852	2.04E-02	2.31E-02	1.78E-03	1.36E-03	4.67E-02	2.01E-02	1.00E-06	1.95E-05	3.99E-05	2.02E-02	2.44E-02	2.31E-02	1.78E-03	1.36E-03	5.07E-02
4034	490863.09	3854377.25	0.10359	0.02578	0.0085	0.0177	1.69E-02	2.00E-02	1.65E-03	1.30E-03	3.99E-02	1.67E-02	8.66E-07	1.81E-05	3.81E-05	1.67E-02	2.03E-02	2.00E-02	1.65E-03	1.30E-03	4.32E-02
4035	491363.09	3854377.25	0.11226	0.02809	0.0139	0.01768	1.84E-02	2.18E-02	2.70E-03	1.30E-03	4.42E-02	1.81E-02	9.44E-07	2.96E-05	3.81E-05	1.82E-02	2.20E-02	2.18E-02	2.70E-03	1.30E-03	4.78E-02
4036	491863.09	3854377.25	0.11635	0.03008	0.0176	0.01754	1.90E-02	2.33E-02	3.41E-03	1.29E-03	4.71E-02	1.87E-02	1.01E-06	3.74E-05	3.78E-05	1.88E-02	2.28E-02	2.33E-02	3.41E-03	1.29E-03	5.08E-02
4037	492363.09	3854377.25	0.11481	0.03105	0.018	0.01735	1.88E-02	2.41E-02	3.48E-03	1.28E-03	4.76E-02	1.85E-02	1.04E-06	3.82E-05	3.74E-05	1.86E-02	2.25E-02	2.41E-02	3.48E-03	1.28E-03	5.13E-02
4038	492863.09	3854377.25	0.10922	0.0308	0.0163	0.01722	1.79E-02	2.39E-02	3.16E-03	1.27E-03	4.62E-02	1.76E-02	1.03E-06	3.46E-05	3.71E-05	1.77E-02	2.14E-02	2.39E-02	3.16E-03	1.27E-03	4.97E-02
4039	493363.09	3854377.25	0.10166	0.02981	0.0183	0.01702	1.66E-02	2.31E-02	3.55E-03	1.25E-03	4.46E-02	1.64E-02	1.00E-06	3.89E-05	3.66E-05	1.65E-02	1.99E-02	2.31E-02	3.55E-03	1.25E-03	4.78E-02
4040	493863.09	3854377.25	0.09403	0.02865	0.0222	0.01674	1.54E-02	2.22E-02	4.31E-03	1.23E-03	4.31E-02	1.52E-02	9.62E-07	4.72E-05	3.60E-05	1.52E-02	1.84E-02	2.22E-02	4.31E-03	1.23E-03	4.62E-02
4041	494363.09	3854377.25	0.08693	0.02756	0.0238	0.01639	1.42E-02	2.14E-02	4.61E-03	1.21E-03	4.14E-02	1.40E-02	9.26E-07	5.06E-05	3.53E-05	1.41E-02	1.70E-02	2.14E-02	4.61E-03	1.21E-03	4.42E-02
4042	494863.09	3854377.25	0.07035	0.02351	0.022	0.01529	1.15E-02	1.82E-02	4.27E-03	1.13E-03	3.51E-02	1.13E-02	7.90E-07	4.68E-05	3.29E-05	1.14E-02	1.38E-02	1.82E-02	4.27E-03	1.13E-03	3.74E-02
4043	495363.09	3854377.25	0.05504	0.01996	0.0211	0.0144	9.00E-03	1.55E-02	4.08E-03	1.06E-03	2.96E-02	8.87E-03	6.70E-07	4.48E-05	3.10E-05	8.95E-03	1.08E-02	1.55E-02	4.08E-03	1.06E-03	3.14E-02
4044	495863.09	3854377.25	0.04578	0.0179	0.0217	0.01385	7.49E-03	1.39E-02	4.21E-03	1.02E-03	2.66E-02	7.38E-03	6.01E-07	4.62E-05	2.98E-05	7.45E-03	8.96E-03	1.39E-02	4.21E-03	1.02E-03	2.81E-02
4045	496363.09	3854377.25	0.04112	0.01704	0.0226	0.01353	6.73E-03	1.32E-02	4.37E-03	9.96E-04	2.53E-02	6.63E-03	5.72E-07	4.80E-05	2.91E-05	6.70E-03	8.05E-03	1.32E-02	4.37E-03	9.96E-04	2.66E-02
4046	496863.09	3854377.25	0.03557	0.01577	0.0227	0.01318	5.82E-03	1.22E-02	4.40E-03	9.70E-04	2.34E-02	5.73E-03	5.30E-07	4.82E-05	2.84E-05	5.81E-03	6.96E-03	1.22E-02	4.40E-03	9.70E-04	2.46E-02
4047	497363.09	3854377.25	0.02792	0.01356	0.0226	0.01264	4.57E-03	1.05E-02	4.38E-03	9.31E-04	2.04E-02	4.50E-03	4.56E-07	4.80E-05	2.72E-05	4.57E-03	5.46E-03	1.05E-02	4.38E-03	9.31E-04	2.13E-02
4048	497863.09	3854377.25	0.02822	0.01402	0.0231	0.01265	4.62E-03	1.09E-02	4.47E-03	9.31E-04	2.09E-02	4.55E-03	4.71E-07	4.90E-05	2.72E-05	4.62E-03	5.52E-03	1.09E-02	4.47E-03	9.31E-04	2.18E-02
4049	498363.09	3854377.25	0.02416	0.01275	0.0227	0.01219	3.95E-03	9.89E-03	4.39E-03	8.97E-04	1.91E-02	3.89E-03	4.28E-07	4.82E-05	2.62E-05	3.97E-03	4.73E-03	9.89E-03	4.39E-03	8.97E-04	1.99E-02
4050	471363.09	3854877.25	0.00748	0.0049	0.0032	0.00316	1.22E-03	3.80E-03	6.17E-04	2.33E-04	5.87E-03	1.21E-03	1.65E-07	6.76E-06	6.80E-06	1.22E-03	1.46E-03	3.80E-03	6.17E-04	2.33E-04	6.11E-03
4051	471863.09	3854877.25	0.00804	0.00523	0.0034	0.00328	1.32E-03	4.06E-03	6.52E-04	2.41E-04	6.26E-03	1.30E-03	1.76E-07	7.14E-06	7.06E-06	1.31E-03	1.57E-03	4.06E-03	6.52E-04	2.41E-04	6.52E-03
4052	472363.09	3854877.25	0.00854	0.00551	0.0035	0.00341	1.40E-03	4.27E-03	6.86E-04	2.51E-04	6.61E-03	1.38E-03	1.85E-07	7.53E-06	7.34E-06	1.39E-03	1.67E-03	4.27E-03	6.86E-04	2.51E-04	6.88E-03
4053	472863.09	3854877.25	0.00884	0.00563	0.0037	0.00352	1.45E-03	4.37E-03	7.16E-04	2.59E-04	6.79E-03	1.42E-03	1.89E-07	7.85E-06	7.58E-06	1.44E-03	1.73E-03	4.37E-03	7.16E-04	2.59E-04	7.07E-03
4054	473363.09	3854877.25	0.00962	0.0061	0.004	0.00368	1.57E-03	4.73E-03	7.70E-04	2.71E-04	7.35E-03	1.55E-03	2.05E-07	8.44E-06	7.92E-06	1.57E-03	1.88E-03	4.73E-03	7.70E-04	2.71E-04	7.66E-03
4055	473863.09	3854877.25	0.01041	0.00653	0.0043	0.00385	1.70E-03	5.07E-03	8.26E-04	2.83E-04	7.88E-03	1.68E-03	2.19E-07	9.06E-06	8.29E-06	1.69E-03	2.04E-03	5.07E-03	8.26E-04	2.83E-04	8.21E-03
4056	474363.09	3854877.25	0.01145	0.00711	0.0046	0.00406	1.87E-03	5.52E-03	8.92E-04	2.99E-04	8.58E-03	1.84E-03	2.39E-07	9.78E-06	8.74E-06	1.86E-03	2.24E-03	5.52E-03	8.92E-04	2.99E-04	8.95E-03
4057	474863.09	3854877.25	0.01031	0.00606	0.0048	0.00414	1.69E-03	4.70E-03	9.27E-04	3.05E-04	7.62E-03	1.66E-03	2.04E-07	1.02E-05	8.91E-06	1.68E-03	2.02E-03	4.70E-03	9.27E-04	3.05E-04	7.95E-03
4058	475363.09	3854877.25	0.0084	0.00515	0.0044	0.00411	1.37E-03	3.99E-03	8.53E-04	3.03E-04	6.52E-03	1.35E-03	1.73E-07	9.36E-06	8.85E-06	1.37E-03	1.64E-03	4.00E-03	8.53E-04	3.03E-04	6.79E-03
4059	475863.09	3854877.25	0.00647	0.00445	0.0041	0.00421	1.06E-03	3.45E-03	7.99E-04	3.10E-04	5.62E-03	1.04E-03	1.49E-07	8.76E-06	9.06E-06	1.06E-03	1.27E-03	3.45E-03	7.99E-04	3.10E-04	5.83E-03
4060	476363.09	3854877.25	0.00433	0.00357	0.0041	0.00432	7.08E-04	2.77E-03	7.95E-04	3.18E-04	4.59E-03	6.98E-04	1.20E-07	8.72E-06	9.30E-06	7.16E-04	8.47E-04	2.77E-03	7.95E-04	3.18E-04	4.73E-03
4061	476863.09	3854877.25	0.00436	0.00361	0.0042	0.00451	7.13E-04	2.80E-03	8.14E-04	3.32E-04	4.66E-03	7.03E-04	1.21E-07	8.93E-06	9.71E-06	7.21E-04	8.53E-04	2.80E-03	8.14E-04	3.32E-04	4.80E-03
4062	477363.09	3854877.25	0.00534	0.00413	0.0043	0.0048	8.73E-04	3.20E-03	8.38E-04	3.53E-04	5.27E-03	8.60E-04	1.39E-07	9.19E-06	1.03E-05	8.80E-04	1.04E-03	3.20E-03	8.38E-04	3.53E-04	5.44E-03
4063	477863.09	3854877.25	0.0063	0.00464	0.0044	0.00507	1.03E-03	3.60E-03	8.55E-04	3.73E-04	5.86E-03	1.02E-03	1.56E-07	9.38E-06	1.09E-05	1.04E-03	1.23E-03	3.60E-03	8.55E-04	3.73E-04	6.06E-03
4064	478363.09	3854877.25	0.00853	0.00564	0.0045	0.00542	1.40E-03	4.37E-03	8.80E-04	3.99E-04	7.05E-03	1.37E-03	1.89E-07	9.65E-06	1.17E-05	1.40E-03	1.67E-03	4.38E-03	8.80E-04	3.99E-04	7.32E-03
4065	478863.09	3854877.25	0.01215	0.00704	0.0048	0.00582	1.99E-03	5.46E-03	9.31E-04	4.28E-04	8.81E-03	1.96E-03	2.36E-07	1.02E-05	1.25E-05	1.98E-03	2.38E-03	5.46E-03	9.31E-04	4.28E-04	9.20E-03
4066	479363.09	3854877.25	0.018	0.00889	0.0052	0.00633	2.94E-03	6.90E-03	1.01E-03	4.66E-04	1.13E-02	2.90E-03	2.99E-07	1.11E-05	1.36E-05	2.93E-03	3.52E-03	6.90E-03	1.01E-03	4.66E-04	1.19E-02
4067	479863.09	3854877.25	0.02624	0.01135	0.0057	0.00702	4.29E-03	8.80E-03	1.11E-03	5.17E-04	1.47E-02	4.23E-03	3.81E-07	1.22E-05	1.51E-05	4.26E-03	5.13E-03	8.80E-03	1.11E-03	5.17E-04	1.56E-02
4068	480363.09	3854877.25	0.03493	0.01425	0.0058	0.00781	5.71E-03	1.11E-02	1.12E-03	5.75E-04	1.85E-02	5.63E-03	4.79E-07	1.23E-05	1.68E-05	5.66E-03	6.84E-03	1.11E-02	1.12E-03	5.75E-04	1.96E-02
4069	480863.09	3854877.25	0.04838	0.02006	0.0054	0.00855	7.91E-03	1.56E-02	1.04E-03	6.29E-04	2.51E-02	7.80E-03	6.74E-07	1.14E-05	1.84E-05	7.83E-03	9.47E-03	1.56E-02	1.04E-03	6.29E-04	2.67E-02
4070	481363.09	3854877.25	0.05885	0.02562	0.0047	0.0095	9.63E-03	1.99E-02	9.09E-04	6.99E-04	3.11E-02	9.48E-03	8.61E-07	9.97E-06	2.05E-05	9.51E-03	1.15E-02	1.99E-02	9.09E-04	6.99E-04	3.30E-02
4071	481863.09	3854877.25	0.06535	0.02721	0.004	0.01182	1.07E-02	2.11E-02	7.83E-04	8.70E-04	3.34E-02	1.05E-02	9.14E-07	8.59E-06	2.54E-05	1.06E-02	1.28E-02	2.11E-02	7.83E-04	8.70E-04	3.55E-02
4072	482363.09	3854877.25	0.0816	0.08816	0.004	0.01967	1.33E-02	6.84E-02	7.70E-04	1.45E-03	8.40E-02	1.31E-02	2.96E-06	8.44E-06	4.23E-05	1.32E-02	1.60E-02	6.84E-02	7.70E-04	1.45E-03	8.66E-02
4073	482863.09	3854877.25	0.1002	0.11983	0.0039	0.05589	1.64E-02	9.30E-02	7.50E-04	4.11E-03	1.14E-01	1.61E-02	4.03E-06	8.23E-06	1.20E-04	1.63E-02	1.96E-02	9.30E-02	7.50E-04	4.11E-03	1.17E-01
4074	483363.09	3854877.25	0.11281	0.10697	0.004	0.16935	1.85E-02	8.30E-02	7.68E-04	1.25E-02	1.15E-01	1.82E-02	3.59E-06	8.42E-06	3.65E-04	1.86E-02	2.21E-02	8.30E-02	7.68E-04	1.25E-02	1.18E-01
4075	483863.09	3854877.25	0.17003	0.08583	0.0041	0.08178	2.78E-02	6.66E-02	7.91E-04	6.02E-03	1.01E-01	2.74E-02	2.88E-06	8.67E-06	1.76E-04	2.76E-02	3.33E-02	6.66E-02	7.91E-04	6.02E-03	1.07E-01
4076	484363.09	3854877.25	0.21287	0.06213	0.0042	0.04152	3.48E-02	4.82E-02	8.18E-04	3.06E-03	8.69E-02	3.43E-02	2.09E-06	8.97E-06	8.94E-05	3.44E-02	4.17E-02	4.82E-02	8.18E-04	3.06E-03	9.37E-02
4077	484863.09	3854877.25	0.21401	0.05466	0.0045	0.02955	3.50E-02	4.24E-02	8.65E-04	2.18E-03	8.04E-02	3.45E-02	1.84E-06	9.48E-06	6.36E-05	3.46E-02	4.19E-02	4.24E-02	8.65E-04	2.18E-03	8.73E-02
4078	485363.09	3854877.25	0.25736	0.04952	0.0065	0.0281	4.21E-02	3.84E-02	1.25E-03	2.07E-03	8.38E-02	4.15E-02	1.66E-06	1.37E-05	6.05E-05	4.15E-02	5.04E-02	3.84E-02	1.25E-03	2.07E-03	9.21E-02
4079	485863.09	3854877.25	0.26248	0.04513	0.0064	0.02769	4.29E-02	3.50E-02	1.25E-03	2.04E-03	8.12E-02	4.23E-02	1.52E-06	1.37E-05	5.96E-05	4.24E-02	5.14E-02	3.50E-02	1.25E-03	2.04E-03	8.97E-02
4080	486363.09	3854877.25	0.24461	0.04196	0.0089	0.02856	4.00E-02	3.25E-02	1.73E-03	2.10E-03	7.64E-02	3.94E-02	1.41E-06	1.89E-05	6.15E-05	3.95E-02	4.79E-02	3.26E-02	1.73E-03	2.10E-03	8.42E-02
4081	486863.09	3854877.25	0.22934	0.04028	0.0085	0.02826	3.75E-02	3.12E-02	1.66E-03	2.08E-03	7.25E-02	3.70E-02	1.35E-06	1.82E-05	6.08E-05	3.70E-02	4.49E-02	3.12E-02	1.66E-03	2.08E-03	7.99E-02
4082	487363.09	3854877.25	0.23853	0.04182	0.0129	0.02739	3.90E-02	3.24E-02	2.50E-03	2.02E-03	7.60E-02	3.84E-02	1.40E-06	2.74E-05	5.90E-05	3.85E-02	4.67E-02	3.24E-02	2.50E-03	2.02E-03	8.36E-02
4083	487863.09	3854877.25	0.24255	0.04309	0.0076	0.02597	3.97E-02	3.34E-02	1.47E-03	1.91E-03	7.65E-02	3.91E-02	1.45E-06	1.61E-05	5.59E-05	3.92E-02	4.75E-02	3.34E-02	1.47E-03	1.91E-03	8.43E-02

4084	488363.09	3854877.25	0.24312	0.04432	0.0071	0.02485	3.98E-02	3.44E-02	1.37E-03	1.83E-03	7.73E-02	3.92E-02	1.49E-06	1.51E-05	5.35E-05	3.92E-02	4.76E-02	3.44E-02	1.37E-03	1.83E-03	8.52E-02
4085	488863.09	3854877.25	0.24135	0.04574	0.0085	0.02407	3.95E-02	3.55E-02	1.65E-03	1.77E-03	7.84E-02	3.89E-02	1.54E-06	1.81E-05	5.18E-05	3.90E-02	4.72E-02	3.55E-02	1.65E-03	1.77E-03	8.61E-02
4086	489363.09	3854877.25	0.22927	0.04591	0.0115	0.02323	3.75E-02	3.56E-02	2.22E-03	1.71E-03	7.70E-02	3.69E-02	1.54E-06	2.44E-05	5.00E-05	3.70E-02	4.49E-02	3.56E-02	2.22E-03	1.71E-03	8.44E-02
4087	489863.09	3854877.25	0.20803	0.04335	0.0133	0.02225	3.40E-02	3.36E-02	2.58E-03	1.64E-03	7.19E-02	3.35E-02	1.46E-06	2.83E-05	4.79E-05	3.36E-02	4.07E-02	3.36E-02	2.58E-03	1.64E-03	7.86E-02
4088	490363.09	3854877.25	0.15589	0.03445	0.0092	0.02074	2.55E-02	2.67E-02	1.79E-03	1.53E-03	5.55E-02	2.51E-02	1.16E-06	1.96E-05	4.46E-05	2.52E-02	3.05E-02	2.67E-02	1.79E-03	1.53E-03	6.05E-02
4089	490863.09	3854877.25	0.10929	0.02714	0.0123	0.01843	1.79E-02	2.11E-02	2.39E-03	1.36E-03	4.27E-02	1.76E-02	9.12E-07	2.62E-05	3.97E-05	1.77E-02	2.14E-02	2.11E-02	2.39E-03	1.36E-03	4.62E-02
4090	491363.09	3854877.25	0.11561	0.02887	0.0172	0.01841	1.89E-02	2.24E-02	3.33E-03	1.36E-03	4.60E-02	1.86E-02	9.70E-07	3.65E-05	3.96E-05	1.87E-02	2.26E-02	2.24E-02	3.33E-03	1.36E-03	4.97E-02
4091	491863.09	3854877.25	0.15914	0.04039	0.0209	0.01989	2.60E-02	3.13E-02	4.05E-03	1.46E-03	6.29E-02	2.56E-02	1.36E-06	4.44E-05	4.28E-05	2.57E-02	3.11E-02	3.13E-02	4.05E-03	1.46E-03	6.80E-02
4092	492363.09	3854877.25	0.1517	0.04124	0.0199	0.01965	2.48E-02	3.20E-02	3.85E-03	1.45E-03	6.21E-02	2.44E-02	1.39E-06	4.23E-05	4.23E-05	2.45E-02	2.97E-02	3.20E-02	3.85E-03	1.45E-03	6.70E-02
4093	492863.09	3854877.25	0.13915	0.0397	0.0254	0.01943	2.28E-02	3.08E-02	4.92E-03	1.43E-03	5.99E-02	2.24E-02	1.33E-06	5.39E-05	4.18E-05	2.25E-02	2.72E-02	3.08E-02	4.92E-03	1.43E-03	6.44E-02
4094	493363.09	3854877.25	0.12571	0.03731	0.03	0.01903	2.06E-02	2.89E-02	5.81E-03	1.40E-03	5.67E-02	2.03E-02	1.25E-06	6.37E-05	4.10E-05	2.04E-02	2.46E-02	2.89E-02	5.81E-03	1.40E-03	6.08E-02
4095	493863.09	3854877.25	0.11453	0.03552	0.031	0.0185	1.87E-02	2.76E-02	6.01E-03	1.36E-03	5.37E-02	1.85E-02	1.19E-06	6.59E-05	3.98E-05	1.86E-02	2.24E-02	2.76E-02	6.01E-03	1.36E-03	5.73E-02
4096	494363.09	3854877.25	0.08763	0.02849	0.0297	0.01687	1.43E-02	2.21E-02	5.76E-03	1.24E-03	4.34E-02	1.41E-02	9.57E-07	6.31E-05	3.63E-05	1.42E-02	1.71E-02	2.21E-02	5.76E-03	1.24E-03	4.62E-02
4097	494863.09	3854877.25	0.06279	0.02274	0.0263	0.01531	1.03E-02	1.76E-02	5.10E-03	1.13E-03	3.41E-02	1.01E-02	7.64E-07	5.59E-05	3.30E-05	1.02E-02	1.23E-02	1.76E-02	5.10E-03	1.13E-03	3.62E-02
4098	495363.09	3854877.25	0.04906	0.01961	0.0263	0.01454	8.02E-03	1.52E-02	5.10E-03	1.07E-03	2.94E-02	7.91E-03	6.59E-07	5.59E-05	3.13E-05	7.99E-03	9.60E-03	1.52E-02	5.10E-03	1.07E-03	3.10E-02
4099	495863.09	3854877.25	0.04158	0.01795	0.0264	0.0141	6.80E-03	1.39E-02	5.11E-03	1.04E-03	2.69E-02	6.70E-03	6.03E-07	5.60E-05	3.04E-05	6.79E-03	8.14E-03	1.39E-02	5.11E-03	1.04E-03	2.82E-02
4100	496363.09	3854877.25	0.03299	0.01561	0.0262	0.01352	5.40E-03	1.21E-02	5.09E-03	9.95E-04	2.36E-02	5.32E-03	5.24E-07	5.58E-05	2.91E-05	5.40E-03	6.46E-03	1.21E-02	5.09E-03	9.95E-04	2.46E-02
4101	496863.09	3854877.25	0.028	0.01416	0.0256	0.01304	4.58E-03	1.10E-02	4.97E-03	9.60E-04	2.15E-02	4.51E-03	4.76E-07	5.45E-05	2.81E-05	4.59E-03	5.48E-03	1.10E-02	4.97E-03	9.60E-04	2.24E-02
4102	497363.09	3854877.25	0.02609	0.01378	0.0253	0.0128	4.27E-03	1.07E-02	4.91E-03	9.42E-04	2.08E-02	4.20E-03	4.63E-07	5.39E-05	2.76E-05	4.29E-03	5.11E-03	1.07E-02	4.91E-03	9.42E-04	2.17E-02
4103	497863.09	3854877.25	0.02778	0.01481	0.0264	0.01295	4.54E-03	1.15E-02	5.12E-03	9.53E-04	2.21E-02	4.48E-03	4.97E-07	5.61E-05	2.79E-05	4.56E-03	5.44E-03	1.15E-02	5.12E-03	9.53E-04	2.30E-02
4104	498363.09	3854877.25	0.02655	0.01462	0.0264	0.01277	4.34E-03	1.13E-02	5.11E-03	9.40E-04	2.17E-02	4.28E-03	4.91E-07	5.61E-05	2.75E-05	4.36E-03	5.20E-03	1.13E-02	5.11E-03	9.40E-04	2.26E-02
4105	471363.09	3855377.25	0.00769	0.00514	0.0032	0.00316	1.26E-03	3.99E-03	6.19E-04	2.33E-04	6.10E-03	1.24E-03	1.73E-07	6.78E-06	6.80E-06	1.25E-03	1.50E-03	3.99E-03	6.19E-04	2.33E-04	6.34E-03
4106	471863.09	3855377.25	0.00808	0.00533	0.0033	0.00327	1.32E-03	4.13E-03	6.42E-04	2.41E-04	6.34E-03	1.30E-03	1.79E-07	7.04E-06	7.04E-06	1.32E-03	1.58E-03	4.13E-03	6.42E-04	2.41E-04	6.60E-03
4107	472363.09	3855377.25	0.00872	0.00572	0.0035	0.0034	1.43E-03	4.44E-03	6.77E-04	2.50E-04	6.79E-03	1.41E-03	1.92E-07	7.42E-06	7.32E-06	1.42E-03	1.71E-03	4.44E-03	6.77E-04	2.50E-04	7.07E-03
4108	472863.09	3855377.25	0.00916	0.0059	0.0036	0.00352	1.50E-03	4.58E-03	6.98E-04	2.59E-04	7.03E-03	1.48E-03	1.98E-07	7.65E-06	7.58E-06	1.49E-03	1.79E-03	4.58E-03	6.98E-04	2.59E-04	7.33E-03
4109	473363.09	3855377.25	0.01004	0.00646	0.0038	0.0037	1.64E-03	5.01E-03	7.41E-04	2.72E-04	7.67E-03	1.62E-03	2.17E-07	8.12E-06	7.97E-06	1.63E-03	1.96E-03	5.01E-03	7.41E-04	2.72E-04	7.99E-03
4110	473863.09	3855377.25	0.01086	0.00693	0.004	0.00387	1.78E-03	5.38E-03	7.78E-04	2.85E-04	8.21E-03	1.75E-03	2.33E-07	8.53E-06	8.33E-06	1.77E-03	2.13E-03	5.38E-03	7.78E-04	2.85E-04	8.56E-03
4111	474363.09	3855377.25	0.01169	0.00733	0.0047	0.00421	1.91E-03	5.69E-03	9.09E-04	3.10E-04	8.82E-03	1.88E-03	2.46E-07	9.97E-06	9.06E-06	1.90E-03	2.29E-03	5.69E-03	9.09E-04	3.10E-04	9.19E-03
4112	474863.09	3855377.25	0.01061	0.00637	0.0044	0.00415	1.74E-03	4.94E-03	8.59E-04	3.06E-04	7.84E-03	1.71E-03	2.14E-07	9.42E-06	8.93E-06	1.73E-03	2.08E-03	4.94E-03	8.59E-04	3.06E-04	8.18E-03
4113	475363.09	3855377.25	0.00547	0.00415	0.0038	0.00397	8.95E-04	3.22E-03	7.29E-04	2.92E-04	5.14E-03	8.81E-04	1.39E-07	7.99E-06	8.55E-06	8.98E-04	1.07E-03	3.22E-03	7.29E-04	2.92E-04	5.31E-03
4114	475863.09	3855377.25	0.00418	0.00363	0.0038	0.00409	6.84E-04	2.82E-03	7.39E-04	3.01E-04	4.54E-03	6.74E-04	1.22E-07	8.10E-06	8.80E-06	6.91E-04	8.18E-04	2.82E-03	7.39E-04	3.01E-04	4.67E-03
4115	476363.09	3855377.25	0.00497	0.00408	0.004	0.0043	8.13E-04	3.16E-03	7.81E-04	3.17E-04	5.08E-03	8.01E-04	1.37E-07	8.57E-06	9.26E-06	8.19E-04	9.73E-04	3.17E-03	7.81E-04	3.17E-04	5.24E-03
4116	476863.09	3855377.25	0.00496	0.00412	0.0042	0.00451	8.11E-04	3.20E-03	8.22E-04	3.32E-04	5.16E-03	7.99E-04	1.38E-07	9.01E-06	9.71E-06	8.18E-04	9.71E-04	3.20E-03	8.22E-04	3.32E-04	5.32E-03
4117	477363.09	3855377.25	0.00559	0.00448	0.0045	0.00477	9.14E-04	3.48E-03	8.65E-04	3.51E-04	5.61E-03	9.01E-04	1.50E-07	9.48E-06	1.03E-05	9.21E-04	1.09E-03	3.48E-03	8.65E-04	3.51E-04	5.79E-03
4118	477863.09	3855377.25	0.00734	0.0053	0.0048	0.00511	1.20E-03	4.11E-03	9.31E-04	3.76E-04	6.62E-03	1.18E-03	1.78E-07	1.02E-05	1.10E-05	1.20E-03	1.44E-03	4.11E-03	9.31E-04	3.76E-04	6.85E-03
4119	478363.09	3855377.25	0.00965	0.00633	0.005	0.00549	1.58E-03	4.91E-03	9.77E-04	4.04E-04	7.87E-03	1.55E-03	2.13E-07	1.07E-05	1.18E-05	1.58E-03	1.89E-03	4.91E-03	9.77E-04	4.04E-04	8.18E-03
4120	478863.09	3855377.25	0.01249	0.00753	0.0053	0.00598	2.04E-03	5.84E-03	1.03E-03	4.40E-04	9.35E-03	2.01E-03	2.53E-07	1.13E-05	1.29E-05	2.04E-03	2.44E-03	5.84E-03	1.03E-03	4.40E-04	9.76E-03
4121	479363.09	3855377.25	0.01745	0.00942	0.0056	0.00668	2.85E-03	7.31E-03	1.09E-03	4.92E-04	1.17E-02	2.81E-03	3.16E-07	1.20E-05	1.44E-05	2.84E-03	3.41E-03	7.31E-03	1.09E-03	4.92E-04	1.23E-02
4122	479863.09	3855377.25	0.02327	0.01156	0.0059	0.00748	3.81E-03	8.97E-03	1.15E-03	5.51E-04	1.45E-02	3.75E-03	3.88E-07	1.26E-05	1.61E-05	3.78E-03	4.55E-03	8.97E-03	1.15E-03	5.51E-04	1.52E-02
4123	480363.09	3855377.25	0.03551	0.01563	0.0064	0.00869	5.81E-03	1.21E-02	1.24E-03	6.40E-04	1.98E-02	5.72E-03	5.25E-07	1.36E-05	1.87E-05	5.75E-03	6.95E-03	1.21E-02	1.24E-03	6.40E-04	2.10E-02
4124	480863.09	3855377.25	0.05111	0.02363	0.0067	0.0098	8.36E-03	1.83E-02	1.29E-03	7.22E-04	2.87E-02	8.24E-03	7.94E-07	1.42E-05	2.11E-05	8.27E-03	1.00E-02	1.83E-02	1.29E-03	7.22E-04	3.03E-02
4125	481363.09	3855377.25	0.06581	0.03922	0.0066	0.01145	1.08E-02	3.04E-02	1.27E-03	8.43E-04	4.33E-02	1.06E-02	1.32E-06	1.40E-05	2.46E-05	1.06E-02	1.29E-02	3.04E-02	1.27E-03	8.43E-04	4.54E-02
4126	481863.09	3855377.25	0.07946	0.0672	0.0063	0.01395	1.30E-02	5.21E-02	1.21E-03	1.03E-03	6.74E-02	1.28E-02	2.26E-06	1.33E-05	3.00E-05	1.28E-02	1.55E-02	5.21E-02	1.21E-03	1.03E-03	6.99E-02
4127	482363.09	3855377.25	0.09356	0.14333	0.0058	0.01697	1.53E-02	1.11E-01	1.12E-03	1.25E-03	1.29E-01	1.51E-02	4.81E-06	1.23E-05	3.65E-05	1.51E-02	1.83E-02	1.11E-01	1.12E-03	1.25E-03	1.32E-01
4128	482863.09	3855377.25	0.12052	0.62216	0.0051	0.02595	1.97E-02	4.83E-01	9.79E-04	1.91E-03	5.05E-01	1.94E-02	2.09E-05	1.07E-05	5.59E-05	1.95E-02	2.36E-02	4.83E-01	9.79E-04	1.91E-03	5.09E-01
4129	483363.09	3855377.25	0.16369	0.83819	0.0046	0.03076	2.68E-02	6.50E-01	8.92E-04	2.26E-03	6.80E-01	2.64E-02	2.82E-05	9.78E-06	6.62E-05	2.65E-02	3.20E-02	6.50E-01	8.92E-04	2.26E-03	6.85E-01
4130	483863.09	3855377.25	0.26673	0.36447	0.0046	0.03511	4.36E-02	2.83E-01	8.84E-04	2.58E-03	3.30E-01	4.30E-02	1.22E-05	9.70E-06	7.56E-05	4.31E-02	5.22E-02	2.83E-01	8.84E-04	2.58E-03	3.38E-01
4131	484363.09	3855377.25	0.76663	0.17663	0.0047	0.03411	1.25E-01	1.37E-01	9.06E-04	2.51E-03	2.66E-01	1.24E-01	5.93E-06	9.93E-06	7.34E-05	1.24E-01	1.50E-01	1.37E-01	9.06E-04	2.51E-03	2.90E-01
4132	484863.09	3855377.25	7.47205	0.13382	0.0049	0.03946	1.22E+00	1.04E-01	9.48E-04	2.91E-03	1.33E+00	1.20E+00	4.50E-06	1.04E-05	8.49E-05	1.20E+00	1.46E+00	1.04E-01	9.48E-04	2.91E-03	1.57E+00
4133	485363.09	3855377.25	2.83667	0.10615	0.0052	0.04488	4.64E-01	8.23E-02	1.01E-03	3.30E-03	5.51E-01	4.57E-01	3.57E-06	1.10E-05	9.66E-05	4.57E-01	5.55E-01	8.23E-02	1.01E-03	3.30E-03	6.42E-01
4134	485863.09	3855377.25	1.36968	0.09192	0.0068	0.04545	2.24E-01	7.13E-02	1.32E-03	3.35E-03	3.00E-01	2.21E-01	3.09E-06	1.45E-05	9.78E-05	2.21E-01	2.68E-01	7.13E-02	1.32E-03	3.35E-03	3.44E-01
4135	486363.09	3855377.25	0.83007	0.07806	0.0082	0.04273	1.36E-01	6.06E-02	1.58E-03	3.15E-03	2.01E-01	1.34E-01	2.62E-06	1.74E-05	9.20E-05	1.34E-01	1.62E-01	6.06E-02	1.58E-03	3.15E-03	2.28E-01
4136	486863.09	3855377.25	0.58988	0.06917	0.0094	0.03978	9.65E-02	5.37E-02	1.82E-03	2.93E-03	1.55E-01	9.50E-02	2.32E-06	2.00E-05	8.56E-05	9.52E-02	1.15E-01	5.37E-02	1.82E-03	2.93E-03	1.74E-01
4137	487363.09	3855377.25	0.53015	0.06969	0.0144	0.03682	8.67E-02	5.41E-02	2.79E-03	2.71E-03	1.46E-01	8.54E-02	2.34E-06	3.06E-05	7.93E-05	8.55E-02	1.04E-01	5.41E-02	2.79E-03	2.71E-03	1.63E-01
4138	487863.09	3855377.25	0.47807	0.0696	0.0095	0.03346	7.82E-02	5.40E-02	1.84E-03	2.46E-03	1.36E-01	7.70E-02	2.34E-06	2.02E-05	7.20E-05	7.71E-02	9.35E-02	5.40E-02	1.84E-03	2.46E-03	1.52E-01
4139	488363.09	3855377.25	0.43298	0.06956	0.0085	0.0306	7.08E-02	5.40E-02	1.65E-03	2.25E-03	1.29E-01	6.98E-02	2.34E-06	1.81E-05	6.59E-05	6.99E-02	8.47E-02	5.40E-02	1.65E-03	2.25E-03	1.43E-01
4140	488863.09	3855377.25	0.39062	0.06891	0.011	0.02847	6.39E-02	5.35E-02	2.13E-03	2.10E-03	1.22E-01	6.29E-02	2.31E-06	2.33E-05	6.13E-05	6.30E-02	7.64E-02	5.35E-02	2.13E-03	2.10E-03	1.34E-01
4141	489363.09	3855377.25	0.35045	0.06706	0.0134	0.02679	5.73E-02	5.20E-02	2.60E-03	1.97E-03	1.14E-01	5.65E-02	2.25E-06	2.85E-05	5.77E-05	5.66E-02	6.86E-02	5.20E-02	2.60E-03	1.97E-03	1.25E-01
4142	489863.09	3855377.25	0.30871	0.06264	0.0114	0.0256	5.05E-02	4.86E-02	2.20E-03	1.88E-03	1.03E-01	4.97E-02	2.10E-06	2.42E-05	5.51E-05	4.98E-02	6.04E-02	4.86E-02	2.20E-03	1.88E-03	1.13E-01
4143	490363.09	3855377.25	0.2814	0.06199	0.0178	0.02544	4.60E-02	4.81E-02	3.46E-03	1.87E-03	9.94E-02	4.53E-02	2.08E-06	3.79E-05	5.48E-05	4.54E-02	5.51E-02	4.81E-02	3.46E-03	1.87E-03	1.08E-01
4144	490863.09	3855377.25	0.18279	0.0411	0.0236	0.02195	2.99E-02	3.19E-02	4.58E-03	1.62E-03	6.80E-02	2.95E-02	1.38E-06	5.02E-05	4.73E-05	2.96E-02	3.58E-02	3.19E-02	4.58E-03	1.62E-03	7.38E-02

4145	491363.09	3855377.25	0.14846	0.03664	0.0207	0.01989	2.43E-02	2.84E-02	4.02E-03	1.46E-03	5.82E-02	2.39E-02	1.23E-06	4.40E-05	4.28E-05	2.40E-02	2.91E-02	2.84E-02	4.02E-03	1.46E-03	6.30E-02
4146	491863.09	3855377.25	0.19874	0.05236	0.0266	0.0216	3.25E-02	4.06E-02	5.15E-03	1.59E-03	7.99E-02	3.20E-02	1.76E-06	5.65E-05	4.65E-05	3.21E-02	3.89E-02	4.06E-02	5.15E-03	1.59E-03	8.63E-02
4147	492363.09	3855377.25	0.1829	0.05224	0.0339	0.02143	2.99E-02	4.05E-02	6.58E-03	1.58E-03	7.86E-02	2.95E-02	1.75E-06	7.21E-05	4.61E-05	2.96E-02	3.58E-02	4.05E-02	6.58E-03	1.58E-03	8.45E-02
4148	492863.09	3855377.25	0.16388	0.04918	0.0377	0.0211	2.68E-02	3.81E-02	7.31E-03	1.55E-03	7.38E-02	2.64E-02	1.65E-06	8.02E-05	4.54E-05	2.65E-02	3.21E-02	3.82E-02	7.31E-03	1.55E-03	7.91E-02
4149	493363.09	3855377.25	0.14058	0.04341	0.0407	0.02004	2.30E-02	3.37E-02	7.88E-03	1.48E-03	6.60E-02	2.27E-02	1.46E-06	8.64E-05	4.31E-05	2.28E-02	2.75E-02	3.37E-02	7.88E-03	1.48E-03	7.05E-02
4150	493863.09	3855377.25	0.10742	0.0349	0.0404	0.01827	1.76E-02	2.71E-02	7.84E-03	1.35E-03	5.38E-02	1.73E-02	1.17E-06	8.59E-05	3.93E-05	1.74E-02	2.10E-02	2.71E-02	7.84E-03	1.35E-03	5.73E-02
4151	494363.09	3855377.25	0.07712	0.02789	0.0342	0.01643	1.26E-02	2.16E-02	6.62E-03	1.21E-03	4.21E-02	1.24E-02	9.37E-07	7.26E-05	3.54E-05	1.25E-02	1.51E-02	2.16E-02	6.62E-03	1.21E-03	4.46E-02
4152	494863.09	3855377.25	0.05488	0.02248	0.0323	0.01532	8.98E-03	1.74E-02	6.26E-03	1.13E-03	3.38E-02	8.84E-03	7.55E-07	6.86E-05	3.30E-05	8.95E-03	1.07E-02	1.74E-02	6.26E-03	1.13E-03	3.56E-02
4153	495363.09	3855377.25	0.04156	0.01901	0.0314	0.01458	6.80E-03	1.47E-02	6.09E-03	1.07E-03	2.87E-02	6.70E-03	6.39E-07	6.68E-05	3.14E-05	6.80E-03	8.13E-03	1.47E-02	6.09E-03	1.07E-03	3.00E-02
4154	495863.09	3855377.25	0.03328	0.01658	0.0304	0.01396	5.44E-03	1.29E-02	5.90E-03	1.03E-03	2.52E-02	5.36E-03	5.57E-07	6.47E-05	3.01E-05	5.46E-03	6.51E-03	1.29E-02	5.90E-03	1.03E-03	2.63E-02
4155	496363.09	3855377.25	0.03087	0.01613	0.0302	0.01366	5.05E-03	1.25E-02	5.85E-03	1.01E-03	2.44E-02	4.97E-03	5.42E-07	6.41E-05	2.94E-05	5.07E-03	6.04E-03	1.25E-02	5.85E-03	1.01E-03	2.54E-02
4156	496863.09	3855377.25	0.02885	0.01576	0.0298	0.01348	4.72E-03	1.22E-02	5.77E-03	9.92E-04	2.37E-02	4.65E-03	5.29E-07	6.33E-05	2.90E-05	4.74E-03	5.65E-03	1.22E-02	5.77E-03	9.92E-04	2.46E-02
4157	497363.09	3855377.25	0.0283	0.01592	0.0301	0.0134	4.63E-03	1.23E-02	5.84E-03	9.87E-04	2.38E-02	4.56E-03	5.35E-07	6.40E-05	2.88E-05	4.65E-03	5.54E-03	1.23E-02	5.84E-03	9.87E-04	2.47E-02
4158	497863.09	3855377.25	0.02873	0.01648	0.0305	0.01342	4.70E-03	1.28E-02	5.92E-03	9.88E-04	2.44E-02	4.63E-03	5.54E-07	6.49E-05	2.89E-05	4.72E-03	5.62E-03	1.28E-02	5.92E-03	9.88E-04	2.53E-02
4159	498363.09	3855377.25	0.02979	0.01727	0.0309	0.01348	4.87E-03	1.34E-02	5.99E-03	9.92E-04	2.53E-02	4.80E-03	5.80E-07	6.57E-05	2.90E-05	4.90E-03	5.83E-03	1.34E-02	5.99E-03	9.92E-04	2.62E-02
4160	471363.09	3855877.25	0.00761	0.00537	0.0031	0.00319	1.24E-03	4.17E-03	5.95E-04	2.35E-04	6.24E-03	1.23E-03	1.80E-07	6.53E-06	6.87E-06	1.24E-03	1.49E-03	4.17E-03	5.95E-04	2.35E-04	6.49E-03
4161	471863.09	3855877.25	0.00799	0.00556	0.0032	0.00331	1.31E-03	4.31E-03	6.24E-04	2.44E-04	6.49E-03	1.29E-03	1.87E-07	6.85E-06	7.13E-06	1.30E-03	1.56E-03	4.31E-03	6.24E-04	2.44E-04	6.74E-03
4162	472363.09	3855877.25	0.00871	0.00609	0.0035	0.00348	1.42E-03	4.72E-03	6.77E-04	2.56E-04	7.08E-03	1.40E-03	2.05E-07	7.42E-06	7.49E-06	1.42E-03	1.70E-03	4.72E-03	6.77E-04	2.56E-04	7.36E-03
4163	472863.09	3855877.25	0.00903	0.00615	0.0036	0.00359	1.48E-03	4.77E-03	6.98E-04	2.64E-04	7.21E-03	1.46E-03	2.07E-07	7.65E-06	7.73E-06	1.47E-03	1.77E-03	4.77E-03	6.98E-04	2.64E-04	7.50E-03
4164	473363.09	3855877.25	0.00999	0.0069	0.0039	0.00379	1.63E-03	5.35E-03	7.56E-04	2.79E-04	8.02E-03	1.61E-03	2.32E-07	8.29E-06	8.16E-06	1.63E-03	1.95E-03	5.35E-03	7.56E-04	2.79E-04	8.34E-03
4165	473863.09	3855877.25	0.01081	0.00744	0.0041	0.00397	1.77E-03	5.77E-03	7.97E-04	2.92E-04	8.63E-03	1.74E-03	2.50E-07	8.74E-06	8.55E-06	1.76E-03	2.12E-03	5.77E-03	7.97E-04	2.92E-04	8.98E-03
4166	474363.09	3855877.25	0.01153	0.00773	0.0051	0.00432	1.89E-03	6.00E-03	9.95E-04	3.18E-04	9.19E-03	1.86E-03	2.60E-07	1.09E-05	9.30E-06	1.88E-03	2.26E-03	6.00E-03	9.95E-04	3.18E-04	9.57E-03
4167	474863.09	3855877.25	0.00999	0.00621	0.0043	0.00416	1.63E-03	4.82E-03	8.32E-04	3.06E-04	7.59E-03	1.61E-03	2.09E-07	9.12E-06	8.96E-06	1.63E-03	1.95E-03	4.82E-03	8.32E-04	3.06E-04	7.91E-03
4168	475363.09	3855877.25	0.00676	0.00469	0.0034	0.004	1.11E-03	3.64E-03	6.67E-04	2.94E-04	5.71E-03	1.09E-03	1.58E-07	7.31E-06	8.61E-06	1.11E-03	1.32E-03	3.64E-03	6.67E-04	2.94E-04	5.92E-03
4169	475863.09	3855877.25	0.00314	0.00307	0.0032	0.0039	5.14E-04	2.38E-03	6.17E-04	2.87E-04	3.80E-03	5.06E-04	1.03E-07	6.76E-06	8.40E-06	5.21E-04	6.14E-04	2.38E-03	6.17E-04	2.87E-04	3.90E-03
4170	476363.09	3855877.25	0.00338	0.00328	0.0035	0.00411	5.53E-04	2.54E-03	6.69E-04	3.03E-04	4.07E-03	5.45E-04	1.10E-07	7.34E-06	8.85E-06	5.61E-04	6.61E-04	2.54E-03	6.69E-04	3.03E-04	4.18E-03
4171	476863.09	3855877.25	0.00506	0.00429	0.0039	0.0045	8.28E-04	3.33E-03	7.52E-04	3.31E-04	5.24E-03	8.15E-04	1.44E-07	8.25E-06	9.69E-06	8.33E-04	9.90E-04	3.33E-03	7.52E-04	3.31E-04	5.40E-03
4172	477363.09	3855877.25	0.00625	0.00492	0.0043	0.00477	1.02E-03	3.82E-03	8.34E-04	3.51E-04	6.02E-03	1.01E-03	1.65E-07	9.14E-06	1.03E-05	1.03E-03	1.22E-03	3.82E-03	8.34E-04	3.51E-04	6.22E-03
4173	477863.09	3855877.25	0.00768	0.00568	0.0046	0.00509	1.26E-03	4.41E-03	8.94E-04	3.75E-04	6.93E-03	1.24E-03	1.91E-07	9.80E-06	1.10E-05	1.26E-03	1.50E-03	4.41E-03	8.94E-04	3.75E-04	7.18E-03
4174	478363.09	3855877.25	0.0101	0.00676	0.0051	0.00552	1.65E-03	5.24E-03	9.79E-04	4.06E-04	8.28E-03	1.63E-03	2.27E-07	1.07E-05	1.19E-05	1.65E-03	1.98E-03	5.24E-03	9.79E-04	4.06E-04	8.61E-03
4175	478863.09	3855877.25	0.01344	0.00824	0.0057	0.00605	2.20E-03	6.39E-03	1.10E-03	4.45E-04	1.01E-02	2.17E-03	2.77E-07	1.20E-05	1.30E-05	2.19E-03	2.63E-03	6.39E-03	1.10E-03	4.45E-04	1.06E-02
4176	479363.09	3855877.25	0.01892	0.01034	0.0065	0.0068	3.09E-03	8.02E-03	1.26E-03	5.01E-04	1.29E-02	3.05E-03	3.47E-07	1.38E-05	1.46E-05	3.08E-03	3.70E-03	8.02E-03	1.26E-03	5.01E-04	1.35E-02
4177	479863.09	3855877.25	0.02565	0.01294	0.0073	0.00768	4.20E-03	1.00E-02	1.42E-03	5.65E-04	1.62E-02	4.13E-03	4.35E-07	1.56E-05	1.65E-05	4.17E-03	5.02E-03	1.00E-02	1.42E-03	5.65E-04	1.70E-02
4178	480363.09	3855877.25	0.0362	0.01738	0.0077	0.00884	5.92E-03	1.35E-02	1.50E-03	6.51E-04	2.15E-02	5.83E-03	5.84E-07	1.64E-05	1.90E-05	5.87E-03	7.08E-03	1.35E-02	1.50E-03	6.51E-04	2.27E-02
4179	480863.09	3855877.25	0.05028	0.02517	0.0075	0.01006	8.22E-03	1.95E-02	1.45E-03	7.41E-04	2.99E-02	8.10E-03	8.45E-07	1.59E-05	2.17E-05	8.14E-03	9.84E-03	1.95E-02	1.45E-03	7.41E-04	3.16E-02
4180	481363.09	3855877.25	0.0591	0.02866	0.0075	0.01147	9.67E-03	2.22E-02	1.46E-03	8.44E-04	3.42E-02	9.52E-03	9.63E-07	1.60E-05	2.47E-05	9.56E-03	1.16E-02	2.22E-02	1.46E-03	8.44E-04	3.61E-02
4181	481863.09	3855877.25	0.08106	0.06814	0.0076	0.01332	1.33E-02	5.29E-02	1.47E-03	9.81E-04	6.86E-02	1.31E-02	2.29E-06	1.61E-05	2.87E-05	1.31E-02	1.59E-02	5.29E-02	1.47E-03	9.81E-04	7.12E-02
4182	482363.09	3855877.25	0.09517	0.15361	0.0079	0.01874	1.56E-02	1.19E-01	1.53E-03	1.38E-03	1.38E-01	1.53E-02	5.16E-06	1.68E-05	4.03E-05	1.54E-02	1.86E-02	1.19E-01	1.53E-03	1.38E-03	1.41E-01
4183	482863.09	3855877.25	0.12515	0.28711	0.0077	0.02977	2.05E-02	2.23E-01	1.49E-03	2.19E-03	2.47E-01	2.02E-02	9.64E-06	1.63E-05	6.41E-05	2.03E-02	2.45E-02	2.23E-01	1.49E-03	2.19E-03	2.51E-01
4184	483363.09	3855877.25	0.17231	1.1367	0.0069	0.05376	2.82E-02	8.82E-01	1.34E-03	3.96E-03	9.15E-01	2.78E-02	3.82E-05	1.47E-05	1.16E-04	2.79E-02	3.37E-02	8.82E-01	1.34E-03	3.96E-03	9.21E-01
4185	483863.09	3855877.25	0.24827	0.81309	0.006	0.07163	4.06E-02	6.31E-01	1.15E-03	5.27E-03	6.78E-01	4.00E-02	2.73E-05	1.27E-05	1.54E-04	4.02E-02	4.86E-02	6.31E-01	1.15E-03	5.27E-03	6.86E-01
4186	484363.09	3855877.25	0.43625	0.43044	0.0055	0.13931	7.14E-02	3.34E-01	1.06E-03	1.03E-02	4.17E-01	7.03E-02	1.45E-05	1.17E-05	3.00E-04	7.06E-02	8.54E-02	3.34E-01	1.06E-03	1.03E-02	4.31E-01
4187	484863.09	3855877.25	0.93708	0.28069	0.0055	0.1333	1.53E-01	2.18E-01	1.07E-03	9.81E-03	3.82E-01	1.51E-01	9.43E-06	1.18E-05	2.87E-04	1.51E-01	1.83E-01	2.18E-01	1.07E-03	9.81E-03	4.12E-01
4188	485363.09	3855877.25	6.74489	0.21556	0.0059	0.10063	1.10E+00	1.67E-01	1.14E-03	7.41E-03	1.28E+00	1.09E+00	7.24E-06	1.25E-05	2.17E-04	1.09E+00	1.32E+00	1.67E-01	1.14E-03	7.41E-03	1.50E+00
4189	485863.09	3855877.25	4.40077	0.16671	0.0063	0.08016	7.20E-01	1.29E-01	1.23E-03	5.90E-03	8.56E-01	7.09E-01	5.60E-06	1.35E-05	1.73E-04	7.09E-01	8.61E-01	1.29E-01	1.23E-03	5.90E-03	9.98E-01
4190	486363.09	3855877.25	1.83956	0.13377	0.0082	0.06573	3.01E-01	1.04E-01	1.60E-03	4.84E-03	4.11E-01	2.96E-01	4.49E-06	1.75E-05	1.42E-04	2.97E-01	3.60E-01	1.04E-01	1.60E-03	4.84E-03	4.70E-01
4191	486863.09	3855877.25	1.18739	0.11618	0.011	0.05342	1.94E-01	9.01E-02	2.12E-03	3.93E-03	2.90E-01	1.91E-01	3.90E-06	2.33E-05	1.15E-04	1.91E-01	2.32E-01	9.01E-02	2.12E-03	3.93E-03	3.29E-01
4192	487363.09	3855877.25	0.95236	0.11239	0.0142	0.04451	1.56E-01	8.72E-02	2.75E-03	3.28E-03	2.49E-01	1.53E-01	3.78E-06	3.01E-05	9.58E-05	1.54E-01	1.86E-01	8.72E-02	2.75E-03	3.28E-03	2.80E-01
4193	487863.09	3855877.25	0.78691	0.10929	0.0122	0.03795	1.29E-01	8.48E-02	2.36E-03	2.79E-03	2.19E-01	1.27E-01	3.67E-06	2.59E-05	8.17E-05	1.27E-01	1.54E-01	8.48E-02	2.36E-03	2.79E-03	2.44E-01
4194	488363.09	3855877.25	0.6544	0.10387	0.0107	0.03321	1.07E-01	8.06E-02	2.07E-03	2.45E-03	1.92E-01	1.05E-01	3.49E-06	2.27E-05	7.15E-05	1.06E-01	1.28E-01	8.06E-02	2.07E-03	2.45E-03	2.13E-01
4195	488863.09	3855877.25	0.55454	0.09908	0.0139	0.03014	9.07E-02	7.69E-02	2.69E-03	2.22E-03	1.72E-01	8.94E-02	3.33E-06	2.95E-05	6.49E-05	8.95E-02	1.09E-01	7.69E-02	2.69E-03	2.22E-03	1.90E-01
4196	489363.09	3855877.25	0.47115	0.09385	0.0144	0.02759	7.71E-02	7.28E-02	2.80E-03	2.03E-03	1.55E-01	7.59E-02	3.15E-06	3.07E-05	5.94E-05	7.60E-02	9.22E-02	7.28E-02	2.80E-03	2.03E-03	1.70E-01
4197	489863.09	3855877.25	0.40304	0.08822	0.0187	0.0262	6.59E-02	6.84E-02	3.62E-03	1.93E-03	1.40E-01	6.49E-02	2.96E-06	3.97E-05	5.64E-05	6.50E-02	7.89E-02	6.84E-02	3.62E-03	1.93E-03	1.53E-01
4198	490363.09	3855877.25	0.34825	0.0839	0.0274	0.02503	5.70E-02	6.51E-02	5.32E-03	1.84E-03	1.29E-01	5.61E-02	2.82E-06	5.83E-05	5.39E-05	5.62E-02	6.81E-02	6.51E-02	5.32E-03	1.84E-03	1.40E-01
4199	490863.09	3855877.25	0.29982	0.07627	0.0298	0.02379	4.90E-02	5.92E-02	5.77E-03	1.75E-03	1.16E-01	4.83E-02	2.56E-06	6.33E-05	5.12E-05	4.84E-02	5.87E-02	5.92E-02	5.77E-03	1.75E-03	1.25E-01
4200	491363.09	3855877.25	0.24778	0.06347	0.04	0.02261	4.05E-02	4.92E-02	7.76E-03	1.66E-03	9.92E-02	3.99E-02	2.13E-06	8.51E-05	4.87E-05	4.01E-02	4.85E-02	4.92E-02	7.76E-03	1.66E-03	1.07E-01
4201	491863.09	3855877.25	0.2311	0.0692	0.0439	0.0225	3.78E-02	5.37E-02	8.51E-03	1.66E-03	1.02E-01	3.72E-02	2.32E-06	9.34E-05	4.84E-05	3.74E-02	4.52E-02	5.37E-02	8.51E-03	1.66E-03	1.09E-01
4202	492363.09	3855877.25	0.20187	0.06307	0.05	0.02221	3.30E-02	4.89E-02	9.69E-03	1.64E-03	9.33E-02	3.25E-02	2.12E-06	1.06E-04	4.78E-05	3.27E-02	3.95E-02	4.89E-02	9.69E-03	1.64E-03	9.97E-02
4203	492863.09	3855877.25	0.17769	0.05846	0.0551	0.02148	2.91E-02	4.53E-02	1.07E-02	1.58E-03	8.67E-02	2.86E-02	1.96E-06	1.17E-04	4.62E-05	2.88E-02	3.48E-02	4.53E-02	1.07E-02	1.58E-03	9.24E-02
4204	493363.09	3855877.25	0.13651	0.04562	0.053	0.01957	2.23E-02	3.54E-02	1.03E-02	1.44E-03	6.94E-02	2.20E-02	1.53E-06	1.13E-04	4.21E-05	2.22E-02	2.67E-02	3.54E-02	1.03E-02	1.44E-03	7.38E-02
4205	493863.09	3855877.25	0.09378	0.03486	0.0445	0.01757	1.53E-02	2.70E-02	8.63E-03	1.29E-03	5.23E-02	1.51E-02	1.17E-06	9.46E-05	3.78E-05	1.52E-02	1.84E-02	2.70E-02	8.63E-03	1.29E-03	5.53E-02

4206	494363.09	3855877.25	0.06407	0.02724	0.0408	0.01621	1.05E-02	2.11E-02	7.90E-03	1.19E-03	4.07E-02	1.03E-02	9.15E-07	8.67E-05	3.49E-05	1.04E-02	1.25E-02	2.11E-02	7.90E-03	1.19E-03	4.28E-02
4207	494863.09	3855877.25	0.04679	0.02253	0.039	0.01536	7.65E-03	1.75E-02	7.56E-03	1.13E-03	3.38E-02	7.54E-03	7.57E-07	8.29E-05	3.31E-05	7.66E-03	9.16E-03	1.75E-02	7.56E-03	1.13E-03	3.53E-02
4208	495363.09	3855877.25	0.03273	0.01777	0.035	0.01426	5.35E-03	1.38E-02	6.79E-03	1.05E-03	2.70E-02	5.27E-03	5.97E-07	7.45E-05	3.07E-05	5.38E-03	6.40E-03	1.38E-02	6.79E-03	1.05E-03	2.80E-02
4209	495863.09	3855877.25	0.03057	0.0174	0.0345	0.01405	5.00E-03	1.35E-02	6.68E-03	1.03E-03	2.62E-02	4.93E-03	5.84E-07	7.33E-05	3.02E-05	5.03E-03	5.98E-03	1.35E-02	6.68E-03	1.03E-03	2.72E-02
4210	496363.09	3855877.25	0.02904	0.01721	0.0341	0.01391	4.75E-03	1.33E-02	6.60E-03	1.02E-03	2.57E-02	4.68E-03	5.78E-07	7.24E-05	2.99E-05	4.78E-03	5.68E-03	1.34E-02	6.60E-03	1.02E-03	2.67E-02
4211	496863.09	3855877.25	0.02905	0.01764	0.0344	0.01394	4.75E-03	1.37E-02	6.67E-03	1.03E-03	2.61E-02	4.68E-03	5.93E-07	7.31E-05	3.00E-05	4.78E-03	5.68E-03	1.37E-02	6.67E-03	1.03E-03	2.71E-02
4212	497363.09	3855877.25	0.02933	0.01814	0.0346	0.01397	4.80E-03	1.41E-02	6.71E-03	1.03E-03	2.66E-02	4.73E-03	6.09E-07	7.36E-05	3.01E-05	4.83E-03	5.74E-03	1.41E-02	6.71E-03	1.03E-03	2.76E-02
4213	497863.09	3855877.25	0.03025	0.01892	0.035	0.014	4.95E-03	1.47E-02	6.79E-03	1.03E-03	2.74E-02	4.87E-03	6.36E-07	7.45E-05	3.01E-05	4.98E-03	5.92E-03	1.47E-02	6.79E-03	1.03E-03	2.84E-02
4214	498363.09	3855877.25	0.03364	0.02074	0.0355	0.01414	5.50E-03	1.61E-02	6.87E-03	1.04E-03	2.95E-02	5.42E-03	6.97E-07	7.54E-05	3.04E-05	5.53E-03	6.58E-03	1.61E-02	6.87E-03	1.04E-03	3.06E-02
4215	471363.09	3856377.25	0.0077	0.00553	0.0027	0.00311	1.26E-03	4.29E-03	5.29E-04	2.29E-04	6.31E-03	1.24E-03	1.86E-07	5.80E-06	6.70E-06	1.25E-03	1.51E-03	4.29E-03	5.29E-04	2.29E-04	6.55E-03
4216	471863.09	3856377.25	0.0081	0.00571	0.0029	0.00323	1.32E-03	4.43E-03	5.53E-04	2.38E-04	6.54E-03	1.31E-03	1.92E-07	6.06E-06	6.95E-06	1.32E-03	1.59E-03	4.43E-03	5.53E-04	2.38E-04	6.80E-03
4217	472363.09	3856377.25	0.00873	0.00612	0.003	0.00338	1.43E-03	4.75E-03	5.88E-04	2.49E-04	7.01E-03	1.41E-03	2.06E-07	6.44E-06	7.28E-06	1.42E-03	1.71E-03	4.75E-03	5.88E-04	2.49E-04	7.29E-03
4218	472863.09	3856377.25	0.0095	0.00666	0.0033	0.00356	1.55E-03	5.17E-03	6.30E-04	2.62E-04	7.61E-03	1.53E-03	2.24E-07	6.91E-06	7.66E-06	1.55E-03	1.86E-03	5.17E-03	6.30E-04	2.62E-04	7.92E-03
4219	473363.09	3856377.25	0.01024	0.0071	0.0035	0.00373	1.67E-03	5.51E-03	6.73E-04	2.75E-04	8.13E-03	1.65E-03	2.38E-07	7.38E-06	8.03E-06	1.67E-03	2.00E-03	5.51E-03	6.73E-04	2.75E-04	8.46E-03
4220	473863.09	3856377.25	0.01137	0.00804	0.0037	0.00394	1.86E-03	6.24E-03	7.21E-04	2.90E-04	9.11E-03	1.83E-03	2.70E-07	7.91E-06	8.48E-06	1.85E-03	2.22E-03	6.24E-03	7.21E-04	2.90E-04	9.47E-03
4221	474363.09	3856377.25	0.01163	0.00771	0.0039	0.00407	1.90E-03	5.98E-03	7.52E-04	3.00E-04	8.93E-03	1.87E-03	2.59E-07	8.25E-06	8.76E-06	1.89E-03	2.28E-03	5.98E-03	7.52E-04	3.00E-04	9.31E-03
4222	474863.09	3856377.25	0.01148	0.00714	0.0046	0.00433	1.88E-03	5.54E-03	9.00E-04	3.19E-04	8.63E-03	1.85E-03	2.40E-07	9.87E-06	9.32E-06	1.87E-03	2.25E-03	5.54E-03	9.00E-04	3.19E-04	9.00E-03
4223	475363.09	3856377.25	0.00971	0.00597	0.0038	0.00424	1.59E-03	4.63E-03	7.43E-04	3.12E-04	7.27E-03	1.56E-03	2.01E-07	8.14E-06	9.13E-06	1.58E-03	1.90E-03	4.63E-03	7.43E-04	3.12E-04	7.59E-03
4224	475863.09	3856377.25	0.00682	0.00479	0.0032	0.00418	1.12E-03	3.72E-03	6.24E-04	3.08E-04	5.76E-03	1.10E-03	1.61E-07	6.85E-06	9.00E-06	1.11E-03	1.33E-03	3.72E-03	6.24E-04	3.08E-04	5.98E-03
4225	476363.09	3856377.25	0.00645	0.00476	0.0033	0.00438	1.05E-03	3.69E-03	6.40E-04	3.22E-04	5.71E-03	1.04E-03	1.60E-07	7.02E-06	9.43E-06	1.06E-03	1.26E-03	3.69E-03	6.40E-04	3.22E-04	5.92E-03
4226	476863.09	3856377.25	0.00666	0.00497	0.0035	0.00461	1.09E-03	3.86E-03	6.83E-04	3.39E-04	5.97E-03	1.07E-03	1.67E-07	7.48E-06	9.92E-06	1.09E-03	1.30E-03	3.86E-03	6.83E-04	3.39E-04	6.18E-03
4227	477363.09	3856377.25	0.00722	0.00535	0.0038	0.00487	1.18E-03	4.15E-03	7.31E-04	3.59E-04	6.42E-03	1.16E-03	1.80E-07	8.02E-06	1.05E-05	1.18E-03	1.41E-03	4.15E-03	7.31E-04	3.59E-04	6.65E-03
4228	477863.09	3856377.25	0.00586	0.00496	0.004	0.0051	9.58E-04	3.85E-03	7.76E-04	3.75E-04	5.96E-03	9.44E-04	1.67E-07	8.50E-06	1.10E-05	9.64E-04	1.15E-03	3.85E-03	7.76E-04	3.75E-04	6.15E-03
4229	478363.09	3856377.25	0.00529	0.00487	0.0042	0.00537	8.65E-04	3.78E-03	8.05E-04	3.95E-04	5.84E-03	8.52E-04	1.64E-07	8.82E-06	1.16E-05	8.73E-04	1.04E-03	3.78E-03	8.05E-04	3.95E-04	6.01E-03
4230	478863.09	3856377.25	0.01072	0.00732	0.0049	0.00597	1.75E-03	5.68E-03	9.42E-04	4.40E-04	8.81E-03	1.73E-03	2.46E-07	1.03E-05	1.29E-05	1.75E-03	2.10E-03	5.68E-03	9.42E-04	4.40E-04	9.16E-03
4231	479363.09	3856377.25	0.01438	0.00897	0.0058	0.00666	2.35E-03	6.96E-03	1.12E-03	4.90E-04	1.09E-02	2.32E-03	3.01E-07	1.23E-05	1.43E-05	2.34E-03	2.81E-03	6.96E-03	1.12E-03	4.90E-04	1.14E-02
4232	479863.09	3856377.25	0.02493	0.01296	0.0079	0.00789	4.08E-03	1.01E-02	1.53E-03	5.81E-04	1.62E-02	4.02E-03	4.35E-07	1.67E-05	1.70E-05	4.05E-03	4.88E-03	1.01E-02	1.53E-03	5.81E-04	1.70E-02
4233	480363.09	3856377.25	0.03774	0.01889	0.0086	0.00901	6.17E-03	1.47E-02	1.66E-03	6.63E-04	2.31E-02	6.08E-03	6.35E-07	1.82E-05	1.94E-05	6.12E-03	7.38E-03	1.47E-02	1.66E-03	6.63E-04	2.44E-02
4234	480863.09	3856377.25	0.04978	0.02683	0.008	0.00958	8.14E-03	2.08E-02	1.56E-03	7.05E-04	3.12E-02	8.02E-03	9.01E-07	1.71E-05	2.06E-05	8.06E-03	9.74E-03	2.08E-02	1.56E-03	7.05E-04	3.28E-02
4235	481363.09	3856377.25	0.06406	0.04063	0.008	0.01054	1.05E-02	3.15E-02	1.55E-03	7.76E-04	4.43E-02	1.03E-02	1.36E-06	1.70E-05	2.27E-05	1.04E-02	1.25E-02	3.15E-02	1.55E-03	7.76E-04	4.64E-02
4236	481863.09	3856377.25	0.07959	0.07652	0.0081	0.01206	1.30E-02	5.94E-02	1.57E-03	8.88E-04	7.48E-02	1.28E-02	2.57E-06	1.72E-05	2.60E-05	1.29E-02	1.56E-02	5.94E-02	1.57E-03	8.88E-04	7.74E-02
4237	482363.09	3856377.25	0.09391	0.14336	0.0086	0.01644	1.54E-02	1.11E-01	1.67E-03	1.21E-03	1.29E-01	1.51E-02	4.82E-06	1.83E-05	3.54E-05	1.52E-02	1.84E-02	1.11E-01	1.67E-03	1.21E-03	1.32E-01
4238	482863.09	3856377.25	0.11808	0.23135	0.0091	0.02417	1.93E-02	1.79E-01	1.76E-03	1.78E-03	2.02E-01	1.90E-02	7.77E-06	1.93E-05	5.20E-05	1.91E-02	2.31E-02	1.79E-01	1.76E-03	1.78E-03	2.06E-01
4239	483363.09	3856377.25	0.15255	0.77456	0.0094	0.05016	2.50E-02	6.01E-01	1.82E-03	3.69E-03	6.31E-01	2.46E-02	2.60E-05	2.00E-05	1.08E-04	2.47E-02	2.99E-02	6.01E-01	1.82E-03	3.69E-03	6.36E-01
4240	483863.09	3856377.25	0.20939	1.63045	0.0094	0.12398	3.42E-02	1.26E+00	1.81E-03	9.13E-03	1.31E+00	3.37E-02	5.48E-05	1.99E-05	2.67E-04	3.41E-02	4.10E-02	1.26E+00	1.81E-03	9.13E-03	1.32E+00
4241	484363.09	3856377.25	0.29748	1.61128	0.0086	0.19793	4.87E-02	1.25E+00	1.66E-03	1.46E-02	1.31E+00	4.79E-02	5.41E-05	1.82E-05	4.26E-04	4.84E-02	5.82E-02	1.25E+00	1.66E-03	1.46E-02	1.32E+00
4242	484863.09	3856377.25	0.44816	0.74463	0.0075	0.2657	7.33E-02	5.78E-01	1.45E-03	1.96E-02	6.72E-01	7.22E-02	2.50E-05	1.59E-05	5.72E-04	7.28E-02	8.77E-02	5.78E-01	1.45E-03	1.96E-02	6.86E-01
4243	485363.09	3856377.25	0.82017	0.46515	0.007	0.17656	1.34E-01	3.61E-01	1.37E-03	1.30E-02	5.09E-01	1.32E-01	1.56E-05	1.50E-05	3.80E-04	1.33E-01	1.60E-01	3.61E-01	1.37E-03	1.30E-02	5.36E-01
4244	485863.09	3856377.25	3.98679	0.32257	0.0075	0.10261	6.52E-01	2.50E-01	1.46E-03	7.55E-03	9.11E-01	6.42E-01	1.08E-05	1.60E-05	2.21E-04	6.43E-01	7.80E-01	2.50E-01	1.46E-03	7.55E-03	1.04E+00
4245	486363.09	3856377.25	4.95916	0.20982	0.0083	0.06917	8.11E-01	1.63E-01	1.61E-03	5.09E-03	9.81E-01	7.99E-01	7.05E-06	1.76E-05	1.49E-04	7.99E-01	9.70E-01	1.63E-01	1.61E-03	5.09E-03	1.14E+00
4246	486863.09	3856377.25	2.26315	0.18561	0.0105	0.05154	3.70E-01	1.44E-01	2.03E-03	3.79E-03	5.20E-01	3.65E-01	6.23E-06	2.23E-05	1.11E-04	3.65E-01	4.43E-01	1.44E-01	2.03E-03	3.79E-03	5.93E-01
4247	487363.09	3856377.25	1.51903	0.17055	0.0142	0.04124	2.48E-01	1.32E-01	2.75E-03	3.04E-03	3.87E-01	2.45E-01	5.73E-06	3.02E-05	8.88E-05	2.45E-01	2.97E-01	1.32E-01	2.75E-03	3.04E-03	4.35E-01
4248	487863.09	3856377.25	1.13	0.16051	0.0166	0.0343	1.85E-01	1.25E-01	3.22E-03	2.53E-03	3.15E-01	1.82E-01	5.39E-06	3.54E-05	7.38E-05	1.82E-01	2.21E-01	1.25E-01	3.22E-03	2.53E-03	3.51E-01
4249	488363.09	3856377.25	0.86895	0.14741	0.0145	0.02983	1.42E-01	1.14E-01	2.81E-03	2.20E-03	2.61E-01	1.40E-01	4.95E-06	3.09E-05	6.42E-05	1.40E-01	1.70E-01	1.14E-01	2.81E-03	2.20E-03	2.89E-01
4250	488863.09	3856377.25	0.68425	0.13586	0.017	0.02701	1.12E-01	1.05E-01	3.30E-03	1.99E-03	2.23E-01	1.10E-01	4.56E-06	3.62E-05	5.81E-05	1.10E-01	1.34E-01	1.05E-01	3.30E-03	1.99E-03	2.45E-01
4251	489363.09	3856377.25	0.5511	0.12552	0.0219	0.02553	9.01E-02	9.74E-02	4.24E-03	1.88E-03	1.94E-01	8.88E-02	4.22E-06	4.65E-05	5.50E-05	8.89E-02	1.08E-01	9.74E-02	4.24E-03	1.88E-03	2.11E-01
4252	489863.09	3856377.25	0.45284	0.11618	0.0361	0.0246	7.41E-02	9.01E-02	6.99E-03	1.81E-03	1.73E-01	7.30E-02	3.90E-06	7.66E-05	5.30E-05	7.31E-02	8.86E-02	9.01E-02	6.99E-03	1.81E-03	1.88E-01
4253	490363.09	3856377.25	0.3788	0.10649	0.043	0.02348	6.20E-02	8.26E-02	8.35E-03	1.73E-03	1.55E-01	6.10E-02	3.58E-06	9.15E-05	5.05E-05	6.12E-02	7.41E-02	8.26E-02	8.35E-03	1.73E-03	1.67E-01
4254	490863.09	3856377.25	0.32109	0.09792	0.0547	0.02276	5.25E-02	7.60E-02	1.06E-02	1.68E-03	1.41E-01	5.17E-02	3.29E-06	1.16E-04	4.90E-05	5.19E-02	6.28E-02	7.60E-02	1.06E-02	1.68E-03	1.51E-01
4255	491363.09	3856377.25	0.27587	0.09113	0.0629	0.02284	4.51E-02	7.07E-02	1.22E-02	1.68E-03	1.30E-01	4.45E-02	3.06E-06	1.34E-04	4.92E-05	4.46E-02	5.40E-02	7.07E-02	1.22E-02	1.68E-03	1.39E-01
4256	491863.09	3856377.25	0.23871	0.08356	0.0697	0.0228	3.90E-02	6.48E-02	1.35E-02	1.68E-03	1.19E-01	3.85E-02	2.81E-06	1.48E-04	4.91E-05	3.87E-02	4.67E-02	6.48E-02	1.35E-02	1.68E-03	1.27E-01
4257	492363.09	3856377.25	0.20551	0.07429	0.0723	0.02249	3.36E-02	5.76E-02	1.40E-02	1.66E-03	1.07E-01	3.31E-02	2.50E-06	1.54E-04	4.84E-05	3.33E-02	4.02E-02	5.76E-02	1.40E-02	1.66E-03	1.14E-01
4258	492863.09	3856377.25	0.16605	0.06049	0.0698	0.02132	2.72E-02	4.69E-02	1.35E-02	1.57E-03	8.92E-02	2.68E-02	2.03E-06	1.48E-04	4.59E-05	2.70E-02	3.25E-02	4.69E-02	1.35E-02	1.57E-03	9.45E-02
4259	493363.09	3856377.25	0.10459	0.04201	0.059	0.01867	1.71E-02	3.26E-02	1.14E-02	1.37E-03	6.25E-02	1.69E-02	1.41E-06	1.25E-04	4.02E-05	1.70E-02	2.05E-02	3.26E-02	1.14E-02	1.37E-03	6.59E-02
4260	493863.09	3856377.25	0.07798	0.0351	0.0542	0.01758	1.28E-02	2.72E-02	1.05E-02	1.29E-03	5.18E-02	1.26E-02	1.18E-06	1.15E-04	3.78E-05	1.27E-02	1.53E-02	2.72E-02	1.05E-02	1.29E-03	5.43E-02
4261	494363.09	3856377.25	0.05446	0.02812	0.0496	0.01654	8.91E-03	2.18E-02	9.62E-03	1.22E-03	4.16E-02	8.78E-03	9.45E-07	1.05E-04	3.56E-05	8.92E-03	1.07E-02	2.18E-02	9.62E-03	1.22E-03	4.33E-02
4262	494863.09	3856377.25	0.03958	0.02297	0.0452	0.01559	6.47E-03	1.78E-02	8.76E-03	1.15E-03	3.42E-02	6.38E-03	7.72E-07	9.60E-05	3.36E-05	6.51E-03	7.75E-03	1.78E-02	8.76E-03	1.15E-03	3.55E-02
4263	495363.09	3856377.25	0.03126	0.01968	0.0406	0.0148	5.11E-03	1.53E-02	7.86E-03	1.09E-03	2.93E-02	5.04E-03	6.61E-07	8.62E-05	3.19E-05	5.16E-03	6.12E-03	1.53E-02	7.86E-03	1.09E-03	3.03E-02
4264	495863.09	3856377.25	0.02899	0.01903	0.0388	0.01452	4.74E-03	1.48E-02	7.53E-03	1.07E-03	2.81E-02	4.67E-03	6.39E-07	8.26E-05	3.13E-05	4.79E-03	5.67E-03	1.48E-02	7.53E-03	1.07E-03	2.90E-02
4265	496363.09	3856377.25	0.02843	0.01919	0.0381	0.01443	4.65E-03	1.49E-02	7.39E-03	1.06E-03	2.80E-02	4.58E-03	6.45E-07	8.10E-05	3.11E-05	4.69E-03	5.56E-03	1.49E-02	7.39E-03	1.06E-03	2.89E-02
4266	496863.09	3856377.25	0.02968	0.02021	0.0387	0.01461	4.85E-03	1.57E-02	7.50E-03	1.08E-03	2.91E-02	4.78E-03	6.79E-07	8.23E-05	3.15E-05	4.90E-03	5.81E-03	1.57E-02	7.50E-03	1.08E-03	3.01E-02

4267	497363.09	3856377.25	0.03084	0.02113	0.0387	0.01463	5.04E-03	1.64E-02	7.50E-03	1.08E-03	3.00E-02	4.97E-03	7.10E-07	8.23E-05	3.15E-05	5.08E-03	6.03E-03	1.64E-02	7.50E-03	1.08E-03	3.10E-02
4268	497863.09	3856377.25	0.03305	0.0225	0.0383	0.01466	5.41E-03	1.75E-02	7.42E-03	1.08E-03	3.14E-02	5.33E-03	7.56E-07	8.13E-05	3.16E-05	5.44E-03	6.47E-03	1.75E-02	7.42E-03	1.08E-03	3.24E-02
4269	498363.09	3856377.25	0.0363	0.02433	0.0383	0.01471	5.94E-03	1.89E-02	7.42E-03	1.08E-03	3.33E-02	5.85E-03	8.17E-07	8.13E-05	3.17E-05	5.96E-03	7.10E-03	1.89E-02	7.42E-03	1.08E-03	3.45E-02
4270	471363.09	3856877.25	0.00791	0.00572	0.0028	0.00308	1.29E-03	4.44E-03	5.37E-04	2.27E-04	6.49E-03	1.27E-03	1.92E-07	5.89E-06	6.63E-06	1.29E-03	1.55E-03	4.44E-03	5.37E-04	2.27E-04	6.75E-03
4271	471863.09	3856877.25	0.00826	0.00583	0.0028	0.00319	1.35E-03	4.52E-03	5.49E-04	2.35E-04	6.66E-03	1.33E-03	1.96E-07	6.02E-06	6.87E-06	1.34E-03	1.62E-03	4.52E-03	5.49E-04	2.35E-04	6.92E-03
4272	472363.09	3856877.25	0.00887	0.00623	0.0029	0.00335	1.45E-03	4.83E-03	5.70E-04	2.47E-04	7.10E-03	1.43E-03	2.09E-07	6.25E-06	7.21E-06	1.44E-03	1.74E-03	4.83E-03	5.70E-04	2.47E-04	7.39E-03
4273	472863.09	3856877.25	0.00952	0.00663	0.0031	0.00353	1.56E-03	5.14E-03	5.91E-04	2.60E-04	7.55E-03	1.53E-03	2.23E-07	6.48E-06	7.60E-06	1.55E-03	1.86E-03	5.14E-03	5.91E-04	2.60E-04	7.86E-03
4274	473363.09	3856877.25	0.01055	0.00754	0.0032	0.00375	1.73E-03	5.85E-03	6.21E-04	2.76E-04	8.47E-03	1.70E-03	2.53E-07	6.80E-06	8.07E-06	1.72E-03	2.06E-03	5.85E-03	6.21E-04	2.76E-04	8.81E-03
4275	473863.09	3856877.25	0.01132	0.00803	0.0033	0.00395	1.85E-03	6.23E-03	6.46E-04	2.91E-04	9.02E-03	1.82E-03	2.70E-07	7.08E-06	8.50E-06	1.84E-03	2.22E-03	6.23E-03	6.46E-04	2.91E-04	9.38E-03
4276	474363.09	3856877.25	0.01145	0.00762	0.0034	0.00408	1.87E-03	5.91E-03	6.63E-04	3.00E-04	8.75E-03	1.84E-03	2.56E-07	7.27E-06	8.78E-06	1.86E-03	2.24E-03	5.91E-03	6.63E-04	3.00E-04	9.12E-03
4277	474863.09	3856877.25	0.01117	0.00699	0.0039	0.00435	1.83E-03	5.42E-03	7.47E-04	3.20E-04	8.32E-03	1.80E-03	2.35E-07	8.19E-06	9.36E-06	1.82E-03	2.19E-03	5.42E-03	7.47E-04	3.20E-04	8.68E-03
4278	475363.09	3856877.25	0.0099	0.00611	0.0035	0.00427	1.62E-03	4.74E-03	6.84E-04	3.14E-04	7.36E-03	1.60E-03	2.05E-07	7.51E-06	9.19E-06	1.61E-03	1.94E-03	4.74E-03	6.84E-04	3.14E-04	7.68E-03
4279	475863.09	3856877.25	0.01006	0.00621	0.0036	0.00443	1.65E-03	4.82E-03	7.00E-04	3.26E-04	7.49E-03	1.62E-03	2.09E-07	7.68E-06	9.54E-06	1.64E-03	1.97E-03	4.82E-03	7.00E-04	3.26E-04	7.81E-03
4280	476363.09	3856877.25	0.00885	0.00577	0.0035	0.00444	1.45E-03	4.48E-03	6.84E-04	3.27E-04	6.93E-03	1.43E-03	1.94E-07	7.51E-06	9.56E-06	1.44E-03	1.73E-03	4.48E-03	6.84E-04	3.27E-04	7.22E-03
4281	476863.09	3856877.25	0.00857	0.0058	0.0035	0.00462	1.40E-03	4.50E-03	6.73E-04	3.40E-04	6.91E-03	1.38E-03	1.95E-07	7.38E-06	9.95E-06	1.40E-03	1.68E-03	4.50E-03	6.73E-04	3.40E-04	7.19E-03
4282	477363.09	3856877.25	0.00761	0.00555	0.0035	0.00478	1.24E-03	4.31E-03	6.77E-04	3.52E-04	6.58E-03	1.23E-03	1.86E-07	7.42E-06	1.03E-05	1.24E-03	1.49E-03	4.31E-03	6.77E-04	3.52E-04	6.82E-03
4283	477863.09	3856877.25	0.00521	0.00467	0.0034	0.00494	8.52E-04	3.62E-03	6.61E-04	3.64E-04	5.50E-03	8.39E-04	1.57E-07	7.25E-06	1.06E-05	8.58E-04	1.02E-03	3.62E-03	6.61E-04	3.64E-04	5.67E-03
4284	478363.09	3856877.25	0.00469	0.00455	0.0036	0.00518	7.67E-04	3.53E-03	6.94E-04	3.81E-04	5.37E-03	7.56E-04	1.53E-07	7.61E-06	1.12E-05	7.75E-04	9.18E-04	3.53E-03	6.94E-04	3.81E-04	5.52E-03
4285	478863.09	3856877.25	0.00609	0.00539	0.004	0.00557	9.96E-04	4.18E-03	7.68E-04	4.10E-04	6.36E-03	9.81E-04	1.81E-07	8.42E-06	1.20E-05	1.00E-03	1.19E-03	4.18E-03	7.68E-04	4.10E-04	6.55E-03
4286	479363.09	3856877.25	0.0084	0.00664	0.0043	0.00602	1.37E-03	5.15E-03	8.36E-04	4.43E-04	7.80E-03	1.35E-03	2.23E-07	9.16E-06	1.30E-05	1.38E-03	1.64E-03	5.15E-03	8.36E-04	4.43E-04	8.07E-03
4287	479863.09	3856877.25	0.02298	0.01222	0.0075	0.00781	3.76E-03	9.48E-03	1.45E-03	5.75E-04	1.53E-02	3.70E-03	4.10E-07	1.59E-05	1.68E-05	3.74E-03	4.50E-03	9.48E-03	1.45E-03	5.75E-04	1.60E-02
4288	480363.09	3856877.25	0.03765	0.01878	0.0082	0.00946	6.16E-03	1.46E-02	1.59E-03	6.96E-04	2.30E-02	6.07E-03	6.31E-07	1.74E-05	2.04E-05	6.11E-03	7.37E-03	1.46E-02	1.59E-03	6.96E-04	2.42E-02
4289	480863.09	3856877.25	0.05121	0.02957	0.007	0.00924	8.38E-03	2.29E-02	1.35E-03	6.80E-04	3.33E-02	8.25E-03	9.93E-07	1.48E-05	1.99E-05	8.29E-03	1.00E-02	2.29E-02	1.35E-03	6.80E-04	3.50E-02
4290	481363.09	3856877.25	0.06439	0.04522	0.007	0.00967	1.05E-02	3.51E-02	1.35E-03	7.12E-04	4.77E-02	1.04E-02	1.52E-06	1.48E-05	2.08E-05	1.04E-02	1.26E-02	3.51E-02	1.35E-03	7.12E-04	4.97E-02
4291	481863.09	3856877.25	0.07738	0.06324	0.0075	0.01102	1.27E-02	4.91E-02	1.45E-03	8.11E-04	6.40E-02	1.25E-02	2.12E-06	1.59E-05	2.37E-05	1.25E-02	1.51E-02	4.91E-02	1.45E-03	8.11E-04	6.65E-02
4292	482363.09	3856877.25	0.08713	0.12431	0.0083	0.01263	1.43E-02	9.64E-02	1.61E-03	9.30E-04	1.13E-01	1.40E-02	4.18E-06	1.76E-05	2.72E-05	1.41E-02	1.70E-02	9.64E-02	1.61E-03	9.30E-04	1.16E-01
4293	482863.09	3856877.25	0.10364	0.1936	0.0091	0.01586	1.70E-02	1.50E-01	1.76E-03	1.17E-03	1.70E-01	1.67E-02	6.50E-06	1.93E-05	3.41E-05	1.68E-02	2.03E-02	1.50E-01	1.76E-03	1.17E-03	1.73E-01
4294	483363.09	3856877.25	0.12954	0.36701	0.01	0.02412	2.12E-02	2.85E-01	1.94E-03	1.78E-03	3.10E-01	2.09E-02	1.23E-05	2.13E-05	5.19E-05	2.10E-02	2.53E-02	2.85E-01	1.94E-03	1.78E-03	3.14E-01
4295	483863.09	3856877.25	0.16738	1.51245	0.011	0.03486	2.74E-02	1.17E+00	2.13E-03	2.57E-03	1.21E+00	2.70E-02	5.08E-05	2.33E-05	7.50E-05	2.71E-02	3.28E-02	1.17E+00	2.13E-03	2.57E-03	1.21E+00
4296	484363.09	3856877.25	0.21983	1.96036	0.0118	0.05634	3.60E-02	1.52E+00	2.29E-03	4.15E-03	1.56E+00	3.54E-02	6.59E-05	2.51E-05	1.21E-04	3.56E-02	4.30E-02	1.52E+00	2.29E-03	4.15E-03	1.57E+00
4297	484863.09	3856877.25	0.28834	2.30521	0.0122	0.07182	4.72E-02	1.79E+00	2.36E-03	5.29E-03	1.84E+00	4.65E-02	7.74E-05	2.59E-05	1.55E-04	4.67E-02	5.64E-02	1.79E+00	2.36E-03	5.29E-03	1.85E+00
4298	485363.09	3856877.25	0.41885	0.97926	0.0119	0.08782	6.85E-02	7.60E-01	2.30E-03	6.47E-03	8.37E-01	6.75E-02	3.29E-05	2.52E-05	1.89E-04	6.77E-02	8.20E-02	7.60E-01	2.30E-03	6.47E-03	8.50E-01
4299	485863.09	3856877.25	0.69728	0.58817	0.0106	0.05668	1.14E-01	4.56E-01	2.06E-03	4.17E-03	5.77E-01	1.12E-01	1.98E-05	2.26E-05	1.22E-04	1.13E-01	1.36E-01	4.56E-01	2.06E-03	4.17E-03	5.99E-01
4300	486363.09	3856877.25	2.23194	0.30527	0.0105	0.04358	3.65E-01	2.37E-01	2.04E-03	3.21E-03	6.07E-01	3.60E-01	1.03E-05	2.24E-05	9.38E-05	3.60E-01	4.37E-01	2.37E-01	2.04E-03	3.21E-03	6.79E-01
4301	486863.09	3856877.25	8.65478	0.25254	0.0125	0.03416	1.42E+00	1.96E-01	2.43E-03	2.52E-03	1.62E+00	1.39E+00	8.48E-06	2.66E-05	7.35E-05	1.39E+00	1.69E+00	1.96E-01	2.43E-03	2.52E-03	1.89E+00
4302	487363.09	3856877.25	2.44486	0.23265	0.0171	0.02997	4.00E-01	1.80E-01	3.31E-03	2.21E-03	5.86E-01	3.94E-01	7.82E-06	3.63E-05	6.45E-05	3.94E-01	4.78E-01	1.80E-01	3.31E-03	2.21E-03	6.64E-01
4303	487863.09	3856877.25	1.35412	0.21058	0.0256	0.02724	2.21E-01	1.63E-01	4.97E-03	2.01E-03	3.92E-01	2.18E-01	7.07E-06	5.45E-05	5.86E-05	2.18E-01	2.65E-01	1.63E-01	4.97E-03	2.01E-03	4.35E-01
4304	488363.09	3856877.25	0.89579	0.19183	0.0232	0.02527	1.47E-01	1.49E-01	4.50E-03	1.86E-03	3.02E-01	1.44E-01	6.44E-06	4.94E-05	5.44E-05	1.44E-01	1.75E-01	1.49E-01	4.50E-03	1.86E-03	3.30E-01
4305	488863.09	3856877.25	0.65937	0.17278	0.0302	0.02468	1.08E-01	1.34E-01	5.86E-03	1.82E-03	2.50E-01	1.06E-01	5.80E-06	6.42E-05	5.31E-05	1.06E-01	1.29E-01	1.34E-01	5.86E-03	1.82E-03	2.71E-01
4306	489363.09	3856877.25	0.51496	0.15866	0.0605	0.02458	8.42E-02	1.23E-01	1.17E-02	1.81E-03	2.21E-01	8.30E-02	5.33E-06	1.29E-04	5.29E-05	8.32E-02	1.01E-01	1.23E-01	1.17E-02	1.81E-03	2.37E-01
4307	489863.09	3856877.25	0.41952	0.14489	0.0831	0.02396	6.86E-02	1.12E-01	1.61E-02	1.76E-03	1.99E-01	6.76E-02	4.87E-06	1.77E-04	5.16E-05	6.78E-02	8.21E-02	1.12E-01	1.61E-02	1.76E-03	2.12E-01
4308	490363.09	3856877.25	0.35082	0.13079	0.0987	0.02367	5.74E-02	1.01E-01	1.91E-02	1.74E-03	1.80E-01	5.65E-02	4.39E-06	2.10E-04	5.10E-05	5.68E-02	6.86E-02	1.01E-01	1.91E-02	1.74E-03	1.91E-01
4309	490863.09	3856877.25	0.29834	0.11934	0.1042	0.02384	4.88E-02	9.26E-02	2.02E-02	1.76E-03	1.63E-01	4.81E-02	4.01E-06	2.22E-04	5.13E-05	4.83E-02	5.84E-02	9.26E-02	2.02E-02	1.76E-03	1.73E-01
4310	491363.09	3856877.25	0.25761	0.10945	0.1028	0.02416	4.21E-02	8.49E-02	1.99E-02	1.78E-03	1.49E-01	4.15E-02	3.68E-06	2.18E-04	5.20E-05	4.18E-02	5.04E-02	8.49E-02	1.99E-02	1.78E-03	1.57E-01
4311	491863.09	3856877.25	0.22405	0.09965	0.1008	0.02415	3.66E-02	7.73E-02	1.95E-02	1.78E-03	1.35E-01	3.61E-02	3.35E-06	2.14E-04	5.20E-05	3.64E-02	4.38E-02	7.73E-02	1.95E-02	1.78E-03	1.42E-01
4312	492363.09	3856877.25	0.18347	0.07771	0.102	0.02377	3.00E-02	6.03E-02	1.98E-02	1.75E-03	1.12E-01	2.96E-02	2.61E-06	2.17E-04	5.12E-05	2.98E-02	3.59E-02	6.03E-02	1.98E-02	1.75E-03	1.18E-01
4313	492863.09	3856877.25	0.14207	0.06276	0.0937	0.02205	2.32E-02	4.87E-02	1.82E-02	1.62E-03	9.17E-02	2.29E-02	2.11E-06	1.99E-04	4.75E-05	2.31E-02	2.78E-02	4.87E-02	1.82E-02	1.62E-03	9.63E-02
4314	493363.09	3856877.25	0.09987	0.04901	0.077	0.01994	1.63E-02	3.80E-02	1.49E-02	1.47E-03	7.08E-02	1.61E-02	1.65E-06	1.64E-04	4.29E-05	1.63E-02	1.95E-02	3.80E-02	1.49E-02	1.47E-03	7.40E-02
4315	493863.09	3856877.25	0.06559	0.03715	0.0639	0.01837	1.07E-02	2.88E-02	1.24E-02	1.35E-03	5.33E-02	1.06E-02	1.25E-06	1.36E-04	3.95E-05	1.07E-02	1.28E-02	2.88E-02	1.24E-02	1.35E-03	5.54E-02
4316	494363.09	3856877.25	0.04507	0.02928	0.0557	0.01731	7.37E-03	2.27E-02	1.08E-02	1.27E-03	4.22E-02	7.26E-03	9.84E-07	1.18E-04	3.73E-05	7.42E-03	8.82E-03	2.27E-02	1.08E-02	1.27E-03	4.36E-02
4317	494863.09	3856877.25	0.03674	0.02569	0.0503	0.01658	6.01E-03	1.99E-02	9.74E-03	1.22E-03	3.69E-02	5.92E-03	8.63E-07	1.07E-04	3.57E-05	6.06E-03	7.19E-03	1.99E-02	9.74E-03	1.22E-03	3.81E-02
4318	495363.09	3856877.25	0.03214	0.02362	0.0459	0.01597	5.26E-03	1.83E-02	8.89E-03	1.18E-03	3.36E-02	5.18E-03	7.93E-07	9.75E-05	3.44E-05	5.31E-03	6.29E-03	1.83E-02	8.89E-03	1.18E-03	3.47E-02
4319	495863.09	3856877.25	0.0306	0.02312	0.0433	0.01565	5.00E-03	1.79E-02	8.40E-03	1.15E-03	3.25E-02	4.93E-03	7.77E-07	9.21E-05	3.37E-05	5.06E-03	5.99E-03	1.79E-02	8.40E-03	1.15E-03	3.35E-02
4320	496363.09	3856877.25	0.02968	0.02287	0.0409	0.01537	4.85E-03	1.77E-02	7.94E-03	1.13E-03	3.17E-02	4.78E-03	7.68E-07	8.70E-05	3.31E-05	4.90E-03	5.81E-03	1.77E-02	7.94E-03	1.13E-03	3.26E-02
4321	496863.09	3856877.25	0.02983	0.02324	0.0401	0.01528	4.88E-03	1.80E-02	7.78E-03	1.12E-03	3.18E-02	4.81E-03	7.81E-07	8.53E-05	3.29E-05	4.93E-03	5.84E-03	1.80E-02	7.78E-03	1.12E-03	3.28E-02
4322	497363.09	3856877.25	0.0312	0.02416	0.039	0.01523	5.10E-03	1.87E-02	7.56E-03	1.12E-03	3.25E-02	5.03E-03	8.12E-07	8.29E-05	3.28E-05	5.14E-03	6.11E-03	1.87E-02	7.56E-03	1.12E-03	3.35E-02
4323	497863.09	3856877.25	0.03505	0.02638	0.0389	0.01529	5.73E-03	2.05E-02	7.54E-03	1.13E-03	3.49E-02	5.65E-03	8.86E-07	8.27E-05	3.29E-05	5.76E-03	6.86E-03	2.05E-02	7.54E-03	1.13E-03	3.60E-02
4324	498363.09	3856877.25	0.03976	0.02911	0.0394	0.01534	6.50E-03	2.26E-02	7.63E-03	1.13E-03	3.78E-02	6.41E-03	9.78E-07	8.37E-05	3.30E-05	6.52E-03	7.78E-03	2.26E-02	7.63E-03	1.13E-03	3.91E-02
4325	471363.09	3857377.25	0.0081	0.00581	0.0032	0.00314	1.32E-03	4.51E-03	6.11E-04	2.31E-04	6.67E-03	1.31E-03	1.95E-07	6.70E-06	6.76E-06	1.32E-03	1.59E-03	4.51E-03	6.11E-04	2.31E-04	6.93E-03
4326	471863.09	3857377.25	0.00839	0.0059	0.0032	0.00323	1.37E-03	4.58E-03	6.24E-04	2.38E-04	6.81E-03	1.35E-03	1.98E-07	6.85E-06	6.95E-06	1.37E-03	1.64E-03	4.58E-03	6.24E-04	2.38E-04	7.08E-03
4327	472363.09	3857377.25	0.00889	0.00623	0.0033	0.00337	1.45E-03	4.83E-03	6.44E-04	2.48E-04	7.18E-03	1.43E-03	2.09E-07	7.06E-06	7.25E-06	1.45E-03	1.74E-03	4.83E-03	6.44E-04	2.48E-04	7.46E-03

4328	472863.09	3857377.25	0.00954	0.0067	0.0034	0.00353	1.56E-03	5.20E-03	6.67E-04	2.60E-04	7.68E-03	1.54E-03	2.25E-07	7.31E-06	7.60E-06	1.55E-03	1.87E-03	5.20E-03	6.67E-04	2.60E-04	7.99E-03
4329	473363.09	3857377.25	0.01036	0.00738	0.0036	0.00371	1.69E-03	5.72E-03	6.90E-04	2.73E-04	8.38E-03	1.67E-03	2.48E-07	7.57E-06	7.99E-06	1.69E-03	2.03E-03	5.72E-03	6.90E-04	2.73E-04	8.72E-03
4330	473863.09	3857377.25	0.01133	0.00831	0.0037	0.00389	1.85E-03	6.45E-03	7.10E-04	2.86E-04	9.30E-03	1.83E-03	2.79E-07	7.78E-06	8.37E-06	1.84E-03	2.22E-03	6.45E-03	7.10E-04	2.86E-04	9.66E-03
4331	474363.09	3857377.25	0.01119	0.0075	0.0038	0.00396	1.83E-03	5.82E-03	7.29E-04	2.92E-04	8.67E-03	1.80E-03	2.52E-07	7.99E-06	8.52E-06	1.82E-03	2.19E-03	5.82E-03	7.29E-04	2.92E-04	9.03E-03
4332	474863.09	3857377.25	0.00913	0.0057	0.0037	0.00388	1.49E-03	4.42E-03	7.08E-04	2.86E-04	6.91E-03	1.47E-03	1.91E-07	7.76E-06	8.35E-06	1.49E-03	1.79E-03	4.42E-03	7.08E-04	2.86E-04	7.20E-03
4333	475363.09	3857377.25	0.0064	0.00446	0.003	0.0037	1.05E-03	3.46E-03	5.89E-04	2.72E-04	5.37E-03	1.03E-03	1.50E-07	6.46E-06	7.97E-06	1.05E-03	1.25E-03	3.46E-03	5.89E-04	2.72E-04	5.57E-03
4334	475863.09	3857377.25	0.00597	0.00439	0.0031	0.00385	9.76E-04	3.41E-03	5.95E-04	2.83E-04	5.26E-03	9.62E-04	1.47E-07	6.53E-06	8.29E-06	9.77E-04	1.17E-03	3.41E-03	5.95E-04	2.83E-04	5.45E-03
4335	476363.09	3857377.25	0.00799	0.00534	0.0035	0.00416	1.31E-03	4.14E-03	6.83E-04	3.06E-04	6.44E-03	1.29E-03	1.79E-07	7.48E-06	8.96E-06	1.30E-03	1.56E-03	4.14E-03	6.83E-04	3.06E-04	6.69E-03
4336	476863.09	3857377.25	0.00855	0.00572	0.0036	0.00438	1.40E-03	4.44E-03	6.90E-04	3.22E-04	6.85E-03	1.38E-03	1.92E-07	7.57E-06	9.43E-06	1.39E-03	1.67E-03	4.44E-03	6.90E-04	3.22E-04	7.12E-03
4337	477363.09	3857377.25	0.00756	0.00538	0.0035	0.00455	1.24E-03	4.17E-03	6.84E-04	3.35E-04	6.43E-03	1.22E-03	1.81E-07	7.51E-06	9.80E-06	1.24E-03	1.48E-03	4.17E-03	6.84E-04	3.35E-04	6.67E-03
4338	477863.09	3857377.25	0.00566	0.00473	0.0034	0.00473	9.26E-04	3.67E-03	6.55E-04	3.48E-04	5.60E-03	9.12E-04	1.59E-07	7.19E-06	1.02E-05	9.30E-04	1.11E-03	3.67E-03	6.55E-04	3.48E-04	5.78E-03
4339	478363.09	3857377.25	0.00429	0.00427	0.0035	0.00499	7.02E-04	3.31E-03	6.71E-04	3.67E-04	5.05E-03	6.91E-04	1.43E-07	7.36E-06	1.07E-05	7.09E-04	8.39E-04	3.31E-03	6.71E-04	3.67E-04	5.19E-03
4340	478863.09	3857377.25	0.00365	0.00409	0.0035	0.00528	5.97E-04	3.17E-03	6.83E-04	3.89E-04	4.84E-03	5.88E-04	1.37E-07	7.48E-06	1.14E-05	6.07E-04	7.14E-04	3.17E-03	6.83E-04	3.89E-04	4.96E-03
4341	479363.09	3857377.25	0.00611	0.00556	0.004	0.00584	9.99E-04	4.31E-03	7.66E-04	4.30E-04	6.51E-03	9.85E-04	1.87E-07	8.40E-06	1.26E-05	1.01E-03	1.20E-03	4.31E-03	7.66E-04	4.30E-04	6.70E-03
4342	479863.09	3857377.25	0.01869	0.01066	0.0059	0.00742	3.06E-03	8.27E-03	1.15E-03	5.46E-04	1.30E-02	3.01E-03	3.58E-07	1.26E-05	1.60E-05	3.04E-03	3.66E-03	8.27E-03	1.15E-03	5.46E-04	1.36E-02
4343	480363.09	3857377.25	0.01528	0.00979	0.0054	0.00742	2.50E-03	7.59E-03	1.04E-03	5.46E-04	1.17E-02	2.46E-03	3.29E-07	1.14E-05	1.60E-05	2.49E-03	2.99E-03	7.59E-03	1.04E-03	5.46E-04	1.22E-02
4344	480863.09	3857377.25	0.05077	0.02981	0.0065	0.00929	8.30E-03	2.31E-02	1.26E-03	6.84E-04	3.34E-02	8.18E-03	1.00E-06	1.38E-05	2.00E-05	8.22E-03	9.93E-03	2.31E-02	1.26E-03	6.84E-04	3.50E-02
4345	481363.09	3857377.25	0.05784	0.03323	0.0068	0.00982	9.46E-03	2.58E-02	1.32E-03	7.23E-04	3.73E-02	9.32E-03	1.12E-06	1.45E-05	2.11E-05	9.36E-03	1.13E-02	2.58E-02	1.32E-03	7.23E-04	3.91E-02
4346	481863.09	3857377.25	0.06996	0.04981	0.0069	0.01066	1.14E-02	3.86E-02	1.33E-03	7.85E-04	5.22E-02	1.13E-02	1.67E-06	1.46E-05	2.29E-05	1.13E-02	1.37E-02	3.86E-02	1.33E-03	7.85E-04	5.44E-02
4347	482363.09	3857377.25	0.07987	0.09896	0.0072	0.01129	1.31E-02	7.68E-02	1.39E-03	8.31E-04	9.21E-02	1.29E-02	3.32E-06	1.53E-05	2.43E-05	1.29E-02	1.56E-02	7.68E-02	1.39E-03	8.31E-04	9.46E-02
4348	482863.09	3857377.25	0.09133	0.14432	0.0079	0.01342	1.49E-02	1.12E-01	1.54E-03	9.88E-04	1.29E-01	1.47E-02	4.85E-06	1.69E-05	2.89E-05	1.48E-02	1.79E-02	1.12E-01	1.54E-03	9.88E-04	1.32E-01
4349	483363.09	3857377.25	0.10957	0.20477	0.0088	0.01665	1.79E-02	1.59E-01	1.71E-03	1.23E-03	1.80E-01	1.77E-02	6.88E-06	1.88E-05	3.58E-05	1.77E-02	2.14E-02	1.59E-01	1.71E-03	1.23E-03	1.83E-01
4350	483863.09	3857377.25	0.13373	0.30583	0.01	0.01953	2.19E-02	2.37E-01	1.94E-03	1.44E-03	2.62E-01	2.15E-02	1.03E-05	2.13E-05	4.20E-05	2.16E-02	2.62E-02	2.37E-01	1.94E-03	1.44E-03	2.67E-01
4351	484363.09	3857377.25	0.1632	0.49262	0.0115	0.01864	2.67E-02	3.82E-01	2.23E-03	1.37E-03	4.12E-01	2.63E-02	1.65E-05	2.44E-05	4.01E-05	2.64E-02	3.19E-02	3.82E-01	2.23E-03	1.37E-03	4.18E-01
4352	484863.09	3857377.25	0.19926	0.88307	0.0133	0.01937	3.26E-02	6.85E-01	2.59E-03	1.43E-03	7.22E-01	3.21E-02	2.97E-05	2.84E-05	4.17E-05	3.22E-02	3.90E-02	6.85E-01	2.59E-03	1.43E-03	7.28E-01
4353	485363.09	3857377.25	0.24771	2.1572	0.0155	0.0202	4.05E-02	1.67E+00	3.00E-03	1.49E-03	1.72E+00	3.99E-02	7.25E-05	3.29E-05	4.35E-05	4.01E-02	4.85E-02	1.67E+00	3.00E-03	1.49E-03	1.73E+00
4354	485863.09	3857377.25	0.31988	1.24567	0.0176	0.02186	5.23E-02	9.66E-01	3.41E-03	1.61E-03	1.02E+00	5.15E-02	4.18E-05	3.74E-05	4.71E-05	5.17E-02	6.26E-02	9.66E-01	3.41E-03	1.61E-03	1.03E+00
4355	486363.09	3857377.25	0.46768	0.55387	0.0197	0.02276	7.65E-02	4.30E-01	3.83E-03	1.68E-03	5.12E-01	7.54E-02	1.86E-05	4.19E-05	4.90E-05	7.55E-02	9.15E-02	4.30E-01	3.83E-03	1.68E-03	5.27E-01
4356	486863.09	3857377.25	0.62993	0.31876	0.0203	0.02343	1.03E-01	2.47E-01	3.93E-03	1.73E-03	3.56E-01	1.02E-01	1.07E-05	4.31E-05	5.04E-05	1.02E-01	1.23E-01	2.47E-01	3.93E-03	1.73E-03	3.76E-01
4357	487363.09	3857377.25	0.60563	0.26734	0.0269	0.02354	9.91E-02	2.07E-01	5.21E-03	1.73E-03	3.13E-01	9.76E-02	8.98E-06	5.71E-05	5.07E-05	9.77E-02	1.19E-01	2.07E-01	5.21E-03	1.73E-03	3.33E-01
4358	487863.09	3857377.25	0.62013	0.25567	0.0486	0.0257	1.01E-01	1.98E-01	9.42E-03	1.89E-03	3.11E-01	9.99E-02	8.59E-06	1.03E-04	5.53E-05	1.00E-01	1.21E-01	1.98E-01	9.42E-03	1.89E-03	3.31E-01
4359	488363.09	3857377.25	0.52789	0.23437	0.0539	0.02618	8.63E-02	1.82E-01	1.04E-02	1.93E-03	2.81E-01	8.51E-02	7.87E-06	1.15E-04	5.64E-05	8.52E-02	1.03E-01	1.82E-01	1.04E-02	1.93E-03	2.97E-01
4360	488863.09	3857377.25	0.43985	0.2145	0.1779	0.02674	7.19E-02	1.66E-01	3.45E-02	1.97E-03	2.75E-01	7.09E-02	7.21E-06	3.78E-04	5.76E-05	7.13E-02	8.61E-02	1.66E-01	3.45E-02	1.97E-03	2.89E-01
4361	489363.09	3857377.25	0.37156	0.19619	0.2462	0.02673	6.08E-02	1.52E-01	4.77E-02	1.97E-03	2.63E-01	5.99E-02	6.59E-06	5.23E-04	5.75E-05	6.05E-02	7.27E-02	1.52E-01	4.77E-02	1.97E-03	2.75E-01
4362	489863.09	3857377.25	0.32105	0.17702	0.222	0.02659	5.25E-02	1.37E-01	4.31E-02	1.96E-03	2.35E-01	5.17E-02	5.95E-06	4.72E-04	5.72E-05	5.23E-02	6.28E-02	1.37E-01	4.31E-02	1.96E-03	2.45E-01
4363	490363.09	3857377.25	0.27981	0.15978	0.193	0.02667	4.58E-02	1.24E-01	3.74E-02	1.96E-03	2.09E-01	4.51E-02	5.37E-06	4.10E-04	5.74E-05	4.56E-02	5.48E-02	1.24E-01	3.74E-02	1.96E-03	2.18E-01
4364	490863.09	3857377.25	0.24572	0.14611	0.172	0.02695	4.02E-02	1.13E-01	3.34E-02	1.98E-03	1.89E-01	3.96E-02	4.91E-06	3.66E-04	5.80E-05	4.00E-02	4.81E-02	1.13E-01	3.34E-02	1.98E-03	1.97E-01
4365	491363.09	3857377.25	0.21745	0.13499	0.1549	0.02677	3.56E-02	1.05E-01	3.00E-02	1.97E-03	1.72E-01	3.50E-02	4.53E-06	3.29E-04	5.76E-05	3.54E-02	4.26E-02	1.05E-01	3.00E-02	1.97E-03	1.79E-01
4366	491863.09	3857377.25	0.19249	0.11776	0.1425	0.02695	3.15E-02	9.13E-02	2.76E-02	1.98E-03	1.52E-01	3.10E-02	3.96E-06	3.03E-04	5.80E-05	3.14E-02	3.77E-02	9.14E-02	2.76E-02	1.98E-03	1.59E-01
4367	492363.09	3857377.25	0.15301	0.08471	0.1331	0.02662	2.50E-02	6.57E-02	2.58E-02	1.96E-03	1.18E-01	2.47E-02	2.85E-06	2.83E-04	5.73E-05	2.50E-02	2.99E-02	6.57E-02	2.58E-02	1.96E-03	1.23E-01
4368	492863.09	3857377.25	0.10523	0.0625	0.1009	0.02316	1.72E-02	4.85E-02	1.96E-02	1.71E-03	8.70E-02	1.70E-02	2.10E-06	2.15E-04	4.99E-05	1.72E-02	2.06E-02	4.85E-02	1.96E-02	1.71E-03	9.03E-02
4369	493363.09	3857377.25	0.06999	0.04715	0.0757	0.02078	1.14E-02	3.66E-02	1.47E-02	1.53E-03	6.42E-02	1.13E-02	1.58E-06	1.61E-04	4.47E-05	1.15E-02	1.37E-02	3.66E-02	1.47E-02	1.53E-03	6.65E-02
4370	493863.09	3857377.25	0.05631	0.04099	0.0649	0.0198	9.21E-03	3.18E-02	1.26E-02	1.46E-03	5.50E-02	9.07E-03	1.38E-06	1.38E-04	4.26E-05	9.26E-03	1.10E-02	3.18E-02	1.26E-02	1.46E-03	5.69E-02
4371	494363.09	3857377.25	0.04429	0.03501	0.0561	0.01878	7.24E-03	2.72E-02	1.09E-02	1.38E-03	4.67E-02	7.14E-03	1.18E-06	1.19E-04	4.04E-05	7.30E-03	8.67E-03	2.72E-02	1.09E-02	1.38E-03	4.81E-02
4372	494863.09	3857377.25	0.03882	0.03207	0.0505	0.01807	6.35E-03	2.49E-02	9.78E-03	1.33E-03	4.23E-02	6.26E-03	1.08E-06	1.07E-04	3.89E-05	6.40E-03	7.60E-03	2.49E-02	9.78E-03	1.33E-03	4.36E-02
4373	495363.09	3857377.25	0.03482	0.02971	0.046	0.01737	5.70E-03	2.30E-02	8.92E-03	1.28E-03	3.89E-02	5.61E-03	9.98E-07	9.78E-05	3.74E-05	5.75E-03	6.81E-03	2.30E-02	8.92E-03	1.28E-03	4.01E-02
4374	495863.09	3857377.25	0.03332	0.02877	0.0431	0.01692	5.45E-03	2.23E-02	8.35E-03	1.25E-03	3.74E-02	5.37E-03	9.66E-07	9.16E-05	3.64E-05	5.50E-03	6.52E-03	2.23E-02	8.35E-03	1.25E-03	3.84E-02
4375	496363.09	3857377.25	0.03253	0.02819	0.0404	0.01643	5.32E-03	2.19E-02	7.83E-03	1.21E-03	3.62E-02	5.24E-03	9.47E-07	8.58E-05	3.54E-05	5.36E-03	6.37E-03	2.19E-02	7.83E-03	1.21E-03	3.73E-02
4376	496863.09	3857377.25	0.03216	0.02788	0.0384	0.01603	5.26E-03	2.16E-02	7.44E-03	1.18E-03	3.55E-02	5.18E-03	9.37E-07	8.16E-05	3.45E-05	5.30E-03	6.29E-03	2.16E-02	7.44E-03	1.18E-03	3.65E-02
4377	497363.09	3857377.25	0.03375	0.0287	0.0375	0.01583	5.52E-03	2.23E-02	7.27E-03	1.17E-03	3.62E-02	5.44E-03	9.64E-07	7.97E-05	3.41E-05	5.55E-03	6.60E-03	2.23E-02	7.27E-03	1.17E-03	3.73E-02
4378	497863.09	3857377.25	0.03641	0.03027	0.037	0.01572	5.96E-03	2.35E-02	7.18E-03	1.16E-03	3.78E-02	5.87E-03	1.02E-06	7.88E-05	3.38E-05	5.98E-03	7.12E-03	2.35E-02	7.18E-03	1.16E-03	3.89E-02
4379	498363.09	3857377.25	0.04442	0.03531	0.0388	0.01602	7.27E-03	2.74E-02	7.52E-03	1.18E-03	4.34E-02	7.16E-03	1.19E-06	8.24E-05	3.45E-05	7.28E-03	8.69E-03	2.74E-02	7.52E-03	1.18E-03	4.48E-02
4380	471363.09	3857877.25	0.00841	0.00602	0.0031	0.00304	1.38E-03	4.67E-03	5.95E-04	2.24E-04	6.86E-03	1.36E-03	2.02E-07	6.53E-06	6.54E-06	1.37E-03	1.65E-03	4.67E-03	5.95E-04	2.24E-04	7.13E-03
4381	471863.09	3857877.25	0.00877	0.00615	0.0032	0.00313	1.43E-03	4.77E-03	6.13E-04	2.30E-04	7.05E-03	1.41E-03	2.07E-07	6.72E-06	6.74E-06	1.43E-03	1.72E-03	4.77E-03	6.13E-04	2.30E-04	7.33E-03
4382	472363.09	3857877.25	0.00927	0.00647	0.0033	0.00326	1.52E-03	5.02E-03	6.34E-04	2.40E-04	7.41E-03	1.49E-03	2.17E-07	6.95E-06	7.02E-06	1.51E-03	1.81E-03	5.02E-03	6.34E-04	2.40E-04	7.71E-03
4383	472863.09	3857877.25	0.01002	0.00713	0.0034	0.00342	1.64E-03	5.53E-03	6.57E-04	2.52E-04	8.08E-03	1.61E-03	2.40E-07	7.21E-06	7.36E-06	1.63E-03	1.96E-03	5.53E-03	6.57E-04	2.52E-04	8.40E-03
4384	473363.09	3857877.25	0.01063	0.00753	0.0035	0.00357	1.74E-03	5.84E-03	6.81E-04	2.63E-04	8.52E-03	1.71E-03	2.53E-07	7.46E-06	7.69E-06	1.73E-03	2.08E-03	5.84E-03	6.81E-04	2.63E-04	8.86E-03
4385	473863.09	3857877.25	0.01147	0.00827	0.0036	0.00375	1.88E-03	6.42E-03	7.04E-04	2.76E-04	9.27E-03	1.85E-03	2.78E-07	7.72E-06	8.07E-06	1.86E-03	2.24E-03	6.42E-03	7.04E-04	2.76E-04	9.64E-03
4386	474363.09	3857877.25	0.01117	0.00716	0.004	0.00418	1.83E-03	5.55E-03	7.80E-04	3.08E-04	8.47E-03	1.80E-03	2.41E-07	8.55E-06	9.00E-06	1.82E-03	2.19E-03	5.55E-03	7.80E-04	3.08E-04	8.83E-03
4387	474863.09	3857877.25	0.0087	0.00526	0.0036	0.00369	1.42E-03	4.08E-03	6.92E-04	2.72E-04	6.47E-03	1.40E-03	1.77E-07	7.59E-06	7.94E-06	1.42E-03	1.70E-03	4.08E-03	6.92E-04	2.72E-04	6.75E-03
4388	475363.09	3857877.25	0.00477	0.00363	0.003	0.00347	7.80E-04	2.82E-03	5.72E-04	2.55E-04	4.42E-03	7.69E-04	1.22E-07	6.27E-06	7.47E-06	7.82E-04	9.33E-04	2.82E-03	5.72E-04	2.55E-04	4.58E-03

4389	475863.09	3857877.25	0.00215	0.00239	0.0026	0.00339	3.52E-04	1.85E-03	5.08E-04	2.50E-04	2.96E-03	3.46E-04	8.03E-08	5.57E-06	7.30E-06	3.59E-04	4.21E-04	1.85E-03	5.08E-04	2.50E-04	3.03E-03
4390	476363.09	3857877.25	0.00552	0.00412	0.0032	0.00389	9.03E-04	3.20E-03	6.22E-04	2.86E-04	5.01E-03	8.89E-04	1.38E-07	6.83E-06	8.37E-06	9.05E-04	1.08E-03	3.20E-03	6.22E-04	2.86E-04	5.19E-03
4391	476863.09	3857877.25	0.00703	0.00484	0.0036	0.00417	1.15E-03	3.75E-03	6.92E-04	3.07E-04	5.90E-03	1.13E-03	1.63E-07	7.59E-06	8.98E-06	1.15E-03	1.38E-03	3.75E-03	6.92E-04	3.07E-04	6.13E-03
4392	477363.09	3857877.25	0.00698	0.00493	0.0037	0.00444	1.14E-03	3.82E-03	7.17E-04	3.27E-04	6.01E-03	1.12E-03	1.66E-07	7.87E-06	9.56E-06	1.14E-03	1.37E-03	3.82E-03	7.17E-04	3.27E-04	6.23E-03
4393	477863.09	3857877.25	0.00665	0.005	0.0038	0.00473	1.09E-03	3.88E-03	7.33E-04	3.48E-04	6.05E-03	1.07E-03	1.68E-07	8.04E-06	1.02E-05	1.09E-03	1.30E-03	3.88E-03	7.33E-04	3.48E-04	6.26E-03
4394	478363.09	3857877.25	0.00348	0.00373	0.0035	0.00487	5.69E-04	2.89E-03	6.86E-04	3.59E-04	4.51E-03	5.61E-04	1.25E-07	7.53E-06	1.05E-05	5.79E-04	6.81E-04	2.89E-03	6.86E-04	3.59E-04	4.62E-03
4395	478863.09	3857877.25	0.00282	0.00346	0.0035	0.00499	4.61E-04	2.68E-03	6.69E-04	3.67E-04	4.18E-03	4.54E-04	1.16E-07	7.34E-06	1.07E-05	4.73E-04	5.52E-04	2.68E-03	6.69E-04	3.67E-04	4.27E-03
4396	479363.09	3857877.25	0.01754	0.00945	0.0058	0.00683	2.87E-03	7.33E-03	1.13E-03	5.03E-04	1.18E-02	2.83E-03	3.17E-07	1.24E-05	1.47E-05	2.85E-03	3.43E-03	7.33E-03	1.13E-03	5.03E-04	1.24E-02
4397	479863.09	3857877.25	0.03458	0.01833	0.0066	0.0084	5.66E-03	1.42E-02	1.28E-03	6.18E-04	2.18E-02	5.57E-03	6.16E-07	1.41E-05	1.81E-05	5.60E-03	6.77E-03	1.42E-02	1.28E-03	6.18E-04	2.29E-02
4398	480363.09	3857877.25	0.04164	0.02586	0.0064	0.00822	6.81E-03	2.01E-02	1.24E-03	6.05E-04	2.87E-02	6.71E-03	8.69E-07	1.37E-05	1.77E-05	6.74E-03	8.15E-03	2.01E-02	1.24E-03	6.05E-04	3.01E-02
4399	480863.09	3857877.25	0.04695	0.03017	0.0066	0.00837	7.68E-03	2.34E-02	1.28E-03	6.16E-04	3.30E-02	7.57E-03	1.01E-06	1.41E-05	1.80E-05	7.60E-03	9.19E-03	2.34E-02	1.28E-03	6.16E-04	3.45E-02
4400	481363.09	3857877.25	0.05366	0.03535	0.007	0.00918	8.78E-03	2.74E-02	1.36E-03	6.76E-04	3.82E-02	8.65E-03	1.19E-06	1.49E-05	1.98E-05	8.68E-03	1.05E-02	2.74E-02	1.36E-03	6.76E-04	4.00E-02
4401	481863.09	3857877.25	0.062	0.04467	0.0073	0.00965	1.01E-02	3.47E-02	1.42E-03	7.10E-04	4.69E-02	9.99E-03	1.50E-06	1.55E-05	2.08E-05	1.00E-02	1.21E-02	3.47E-02	1.42E-03	7.10E-04	4.89E-02
4402	482363.09	3857877.25	0.0723	0.07176	0.0075	0.01017	1.18E-02	5.57E-02	1.46E-03	7.49E-04	6.97E-02	1.16E-02	2.41E-06	1.60E-05	2.19E-05	1.17E-02	1.41E-02	5.57E-02	1.46E-03	7.49E-04	7.20E-02
4403	482863.09	3857877.25	0.07864	0.11371	0.0081	0.01195	1.29E-02	8.82E-02	1.56E-03	8.80E-04	1.04E-01	1.27E-02	3.82E-06	1.72E-05	2.57E-05	1.27E-02	1.54E-02	8.82E-02	1.56E-03	8.80E-04	1.06E-01
4404	483363.09	3857877.25	0.09177	0.13943	0.0088	0.01305	1.50E-02	1.08E-01	1.71E-03	9.61E-04	1.26E-01	1.48E-02	4.68E-06	1.87E-05	2.81E-05	1.48E-02	1.80E-02	1.08E-01	1.71E-03	9.61E-04	1.29E-01
4405	483863.09	3857877.25	0.10695	0.17101	0.0098	0.01285	1.75E-02	1.33E-01	1.89E-03	9.46E-04	1.53E-01	1.72E-02	5.74E-06	2.07E-05	2.77E-05	1.73E-02	2.09E-02	1.33E-01	1.89E-03	9.46E-04	1.56E-01
4406	484363.09	3857877.25	0.12418	0.20703	0.011	0.01362	2.03E-02	1.61E-01	2.13E-03	1.00E-03	1.84E-01	2.00E-02	6.95E-06	2.33E-05	2.93E-05	2.01E-02	2.43E-02	1.61E-01	2.13E-03	1.00E-03	1.88E-01
4407	484863.09	3857877.25	0.14228	0.26019	0.0126	0.01458	2.33E-02	2.02E-01	2.44E-03	1.07E-03	2.29E-01	2.29E-02	8.74E-06	2.67E-05	3.14E-05	2.30E-02	2.78E-02	2.02E-01	2.44E-03	1.07E-03	2.33E-01
4408	485363.09	3857877.25	0.16015	0.33667	0.0147	0.01653	2.62E-02	2.61E-01	2.85E-03	1.22E-03	2.91E-01	2.58E-02	1.13E-05	3.13E-05	3.56E-05	2.59E-02	3.13E-02	2.61E-01	2.85E-03	1.22E-03	2.97E-01
4409	485863.09	3857877.25	0.17962	0.5084	0.0179	0.01993	2.94E-02	3.94E-01	3.48E-03	1.47E-03	4.29E-01	2.89E-02	1.71E-05	3.81E-05	4.29E-05	2.90E-02	3.51E-02	3.94E-01	3.48E-03	1.47E-03	4.34E-01
4410	486363.09	3857877.25	0.19765	1.72448	0.0232	0.02663	3.23E-02	1.34E+00	4.50E-03	1.96E-03	1.38E+00	3.18E-02	5.79E-05	4.93E-05	5.73E-05	3.20E-02	3.87E-02	1.34E+00	4.50E-03	1.96E-03	1.38E+00
4411	486863.09	3857877.25	0.19073	0.64156	0.0337	0.03142	3.12E-02	4.98E-01	6.54E-03	2.31E-03	5.38E-01	3.07E-02	2.16E-05	7.17E-05	6.76E-05	3.09E-02	3.73E-02	4.98E-01	6.54E-03	2.31E-03	5.44E-01
4412	487363.09	3857877.25	0.19182	0.44093	0.0644	0.04886	3.14E-02	3.42E-01	1.25E-02	3.60E-03	3.89E-01	3.09E-02	1.48E-05	1.37E-04	1.05E-04	3.12E-02	3.75E-02	3.42E-01	1.25E-02	3.60E-03	3.96E-01
4413	487863.09	3857877.25	0.19748	0.35465	0.1752	0.04257	3.23E-02	2.75E-01	3.40E-02	3.13E-03	3.45E-01	3.18E-02	1.19E-05	3.72E-04	9.16E-05	3.23E-02	3.86E-02	2.75E-01	3.40E-02	3.13E-03	3.51E-01
4414	488363.09	3857877.25	0.22553	0.31577	2.3813	0.04006	3.69E-02	2.45E-01	4.62E-01	2.95E-03	7.47E-01	3.63E-02	1.06E-05	5.06E-03	8.62E-05	4.15E-02	4.41E-02	2.45E-01	4.62E-01	2.95E-03	7.54E-01
4415	488863.09	3857877.25	0.23761	0.28472	1.0616	0.03815	3.89E-02	2.21E-01	2.06E-01	2.81E-03	4.68E-01	3.83E-02	9.56E-06	2.26E-03	8.21E-05	4.06E-02	4.65E-02	2.21E-01	2.06E-01	2.81E-03	4.76E-01
4416	489363.09	3857877.25	0.23297	0.25255	0.5083	0.03517	3.81E-02	1.96E-01	9.86E-02	2.59E-03	3.35E-01	3.75E-02	8.48E-06	1.08E-03	7.57E-05	3.87E-02	4.56E-02	1.96E-01	9.86E-02	2.59E-03	3.43E-01
4417	489863.09	3857877.25	0.21881	0.22491	0.3186	0.03313	3.58E-02	1.74E-01	6.18E-02	2.44E-03	2.74E-01	3.53E-02	7.56E-06	6.77E-04	7.13E-05	3.60E-02	4.28E-02	1.74E-01	6.18E-02	2.44E-03	2.82E-01
4418	490363.09	3857877.25	0.20148	0.20558	0.2311	0.03249	3.30E-02	1.59E-01	4.48E-02	2.39E-03	2.40E-01	3.25E-02	6.91E-06	4.91E-04	6.99E-05	3.30E-02	3.94E-02	1.59E-01	4.48E-02	2.39E-03	2.46E-01
4419	490863.09	3857877.25	0.18552	0.18822	0.1816	0.03179	3.03E-02	1.46E-01	3.52E-02	2.34E-03	2.14E-01	2.99E-02	6.32E-06	3.86E-04	6.84E-05	3.04E-02	3.63E-02	1.46E-01	3.52E-02	2.34E-03	2.20E-01
4420	491363.09	3857877.25	0.17029	0.16009	0.1512	0.03158	2.79E-02	1.24E-01	2.93E-02	2.33E-03	1.84E-01	2.74E-02	5.38E-06	3.21E-04	6.80E-05	2.78E-02	3.33E-02	1.24E-01	2.93E-02	2.33E-03	1.89E-01
4421	491863.09	3857877.25	0.15244	0.12889	0.1316	0.03172	2.49E-02	1.00E-01	2.55E-02	2.34E-03	1.53E-01	2.46E-02	4.33E-06	2.80E-04	6.83E-05	2.49E-02	2.98E-02	1.00E-01	2.55E-02	2.34E-03	1.58E-01
4422	492363.09	3857877.25	0.11427	0.08925	0.1093	0.02869	1.87E-02	6.92E-02	2.12E-02	2.11E-03	1.11E-01	1.84E-02	3.00E-06	2.32E-04	6.18E-05	1.87E-02	2.24E-02	6.92E-02	2.12E-02	2.11E-03	1.15E-01
4423	492863.09	3857877.25	0.07627	0.06523	0.0794	0.0245	1.25E-02	5.06E-02	1.54E-02	1.80E-03	8.03E-02	1.23E-02	2.19E-06	1.69E-04	5.27E-05	1.25E-02	1.49E-02	5.06E-02	1.54E-02	1.80E-03	8.27E-02
4424	493363.09	3857877.25	0.06199	0.05568	0.0658	0.02276	1.01E-02	4.32E-02	1.28E-02	1.68E-03	6.78E-02	9.99E-03	1.87E-06	1.40E-04	4.90E-05	1.02E-02	1.21E-02	4.32E-02	1.28E-02	1.68E-03	6.98E-02
4425	493863.09	3857877.25	0.05462	0.0503	0.0578	0.02157	8.93E-03	3.90E-02	1.12E-02	1.59E-03	6.07E-02	8.80E-03	1.69E-06	1.23E-04	4.64E-05	8.97E-03	1.07E-02	3.90E-02	1.12E-02	1.59E-03	6.25E-02
4426	494363.09	3857877.25	0.04946	0.04621	0.0517	0.02047	8.09E-03	3.58E-02	1.00E-02	1.51E-03	5.55E-02	7.97E-03	1.55E-06	1.10E-04	4.41E-05	8.13E-03	9.68E-03	3.58E-02	1.00E-02	1.51E-03	5.71E-02
4427	494863.09	3857877.25	0.04159	0.04031	0.0457	0.01936	6.80E-03	3.13E-02	8.86E-03	1.43E-03	4.84E-02	6.70E-03	1.35E-06	9.72E-05	4.17E-05	6.84E-03	8.14E-03	3.13E-02	8.86E-03	1.43E-03	4.97E-02
4428	495363.09	3857877.25	0.03877	0.03774	0.0421	0.01851	6.34E-03	2.93E-02	8.17E-03	1.36E-03	4.51E-02	6.25E-03	1.27E-06	8.95E-05	3.98E-05	6.38E-03	7.59E-03	2.93E-02	8.17E-03	1.36E-03	4.64E-02
4429	495863.09	3857877.25	0.03639	0.03545	0.039	0.01773	5.95E-03	2.75E-02	7.56E-03	1.31E-03	4.23E-02	5.86E-03	1.19E-06	8.29E-05	3.82E-05	5.99E-03	7.12E-03	2.75E-02	7.56E-03	1.31E-03	4.35E-02
4430	496363.09	3857877.25	0.03654	0.0349	0.0372	0.01719	5.98E-03	2.71E-02	7.21E-03	1.27E-03	4.15E-02	5.89E-03	1.17E-06	7.91E-05	3.70E-05	6.01E-03	7.15E-03	2.71E-02	7.21E-03	1.27E-03	4.27E-02
4431	496863.09	3857877.25	0.03634	0.03432	0.0356	0.01672	5.94E-03	2.66E-02	6.91E-03	1.23E-03	4.07E-02	5.86E-03	1.15E-06	7.57E-05	3.60E-05	5.97E-03	7.11E-03	2.66E-02	6.91E-03	1.23E-03	4.19E-02
4432	497363.09	3857877.25	0.03561	0.03341	0.034	0.01617	5.82E-03	2.59E-02	6.58E-03	1.19E-03	3.95E-02	5.74E-03	1.12E-06	7.22E-05	3.48E-05	5.85E-03	6.97E-03	2.59E-02	6.58E-03	1.19E-03	4.07E-02
4433	497863.09	3857877.25	0.04064	0.03655	0.0345	0.01618	6.65E-03	2.84E-02	6.69E-03	1.19E-03	4.29E-02	6.55E-03	1.23E-06	7.34E-05	3.48E-05	6.66E-03	7.95E-03	2.84E-02	6.69E-03	1.19E-03	4.42E-02
4434	498363.09	3857877.25	0.04571	0.03996	0.0352	0.0163	7.48E-03	3.10E-02	6.83E-03	1.20E-03	4.65E-02	7.37E-03	1.34E-06	7.49E-05	3.51E-05	7.48E-03	8.94E-03	3.10E-02	6.83E-03	1.20E-03	4.80E-02
4435	471363.09	3858377.25	0.00853	0.00649	0.0029	0.00299	1.40E-03	5.03E-03	5.66E-04	2.20E-04	7.22E-03	1.37E-03	2.18E-07	6.21E-06	6.44E-06	1.39E-03	1.67E-03	5.03E-03	5.66E-04	2.20E-04	7.49E-03
4436	471863.09	3858377.25	0.0089	0.00663	0.003	0.00311	1.46E-03	5.14E-03	5.84E-04	2.29E-04	7.41E-03	1.43E-03	2.23E-07	6.40E-06	6.70E-06	1.45E-03	1.74E-03	5.14E-03	5.84E-04	2.29E-04	7.70E-03
4437	472363.09	3858377.25	0.0093	0.0068	0.0031	0.00324	1.52E-03	5.27E-03	6.03E-04	2.39E-04	7.64E-03	1.50E-03	2.28E-07	6.61E-06	6.97E-06	1.51E-03	1.82E-03	5.28E-03	6.03E-04	2.39E-04	7.94E-03
4438	472863.09	3858377.25	0.00994	0.0073	0.0032	0.00342	1.63E-03	5.66E-03	6.26E-04	2.52E-04	8.17E-03	1.60E-03	2.45E-07	6.87E-06	7.36E-06	1.62E-03	1.95E-03	5.66E-03	6.26E-04	2.52E-04	8.49E-03
4439	473363.09	3858377.25	0.01093	0.00857	0.0034	0.00359	1.79E-03	6.65E-03	6.52E-04	2.64E-04	9.35E-03	1.76E-03	2.88E-07	7.14E-06	7.73E-06	1.78E-03	2.14E-03	6.65E-03	6.52E-04	2.64E-04	9.70E-03
4440	473863.09	3858377.25	0.01134	0.00828	0.0035	0.00379	1.85E-03	6.42E-03	6.77E-04	2.79E-04	9.23E-03	1.83E-03	2.78E-07	7.42E-06	8.16E-06	1.84E-03	2.22E-03	6.42E-03	6.77E-04	2.79E-04	9.60E-03
4441	474363.09	3858377.25	0.01072	0.00678	0.0035	0.0038	1.75E-03	5.26E-03	6.84E-04	2.80E-04	7.98E-03	1.73E-03	2.28E-07	7.51E-06	8.18E-06	1.74E-03	2.10E-03	5.26E-03	6.84E-04	2.80E-04	8.32E-03
4442	474863.09	3858377.25	0.00898	0.00531	0.0036	0.00376	1.47E-03	4.12E-03	6.88E-04	2.77E-04	6.55E-03	1.45E-03	1.78E-07	7.55E-06	8.09E-06	1.46E-03	1.76E-03	4.12E-03	6.88E-04	2.77E-04	6.84E-03
4443	475363.09	3858377.25	0.00598	0.00398	0.0033	0.0035	9.78E-04	3.09E-03	6.36E-04	2.58E-04	4.96E-03	9.64E-04	1.34E-07	6.97E-06	7.53E-06	9.78E-04	1.17E-03	3.09E-03	6.36E-04	2.58E-04	5.15E-03
4444	475863.09	3858377.25	0.00416	0.00336	0.0032	0.00359	6.80E-04	2.61E-03	6.15E-04	2.64E-04	4.17E-03	6.70E-04	1.13E-07	6.74E-06	7.73E-06	6.85E-04	8.14E-04	2.61E-03	6.15E-04	2.64E-04	4.30E-03
4445	476363.09	3858377.25	0.00458	0.00364	0.0033	0.00381	7.49E-04	2.82E-03	6.42E-04	2.81E-04	4.49E-03	7.38E-04	1.22E-07	7.04E-06	8.20E-06	7.53E-04	8.96E-04	2.82E-03	6.42E-04	2.81E-04	4.64E-03
4446	476863.09	3858377.25	0.00504	0.00397	0.0035	0.00406	8.24E-04	3.08E-03	6.77E-04	2.99E-04	4.88E-03	8.12E-04	1.33E-07	7.42E-06	8.74E-06	8.28E-04	9.86E-04	3.08E-03	6.77E-04	2.99E-04	5.04E-03
4447	477363.09	3858377.25	0.00478	0.00398	0.0036	0.00429	7.82E-04	3.09E-03	6.98E-04	3.16E-04	4.88E-03	7.70E-04	1.34E-07	7.65E-06	9.24E-06	7.87E-04	9.35E-04	3.09E-03	6.98E-04	3.16E-04	5.04E-03
4448	477863.09	3858377.25	0.00673	0.00491	0.004	0.00464	1.10E-03	3.81E-03	7.72E-04	3.42E-04	6.02E-03	1.08E-03	1.65E-07	8.46E-06	9.99E-06	1.10E-03	1.32E-03	3.81E-03	7.72E-04	3.42E-04	6.24E-03
4449	478363.09	3858377.25	0.00746	0.00532	0.0042	0.00492	1.22E-03	4.13E-03	8.14E-04	3.62E-04	6.52E-03	1.20E-03	1.79E-07	8.93E-06	1.06E-05	1.22E-03	1.46E-03	4.13E-03	8.14E-04	3.62E-04	6.76E-03

4450	478863.09	3858377.25	0.00483	0.00438	0.004	0.00501	7.90E-04	3.40E-03	7.81E-04	3.69E-04	5.34E-03	7.78E-04	1.47E-07	8.57E-06	1.08E-05	7.98E-04	9.45E-04	3.40E-03	7.81E-04	3.69E-04	5.49E-03
4451	479363.09	3858377.25	0.01881	0.00968	0.0061	0.00656	3.08E-03	7.51E-03	1.19E-03	4.83E-04	1.23E-02	3.03E-03	3.25E-07	1.30E-05	1.41E-05	3.06E-03	3.68E-03	7.51E-03	1.19E-03	4.83E-04	1.29E-02
4452	479863.09	3858377.25	0.03361	0.0203	0.0067	0.0074	5.50E-03	1.57E-02	1.30E-03	5.45E-04	2.31E-02	5.42E-03	6.82E-07	1.43E-05	1.59E-05	5.45E-03	6.58E-03	1.57E-02	1.30E-03	5.45E-04	2.42E-02
4453	480363.09	3858377.25	0.03897	0.02829	0.0068	0.00739	6.37E-03	2.19E-02	1.31E-03	5.44E-04	3.02E-02	6.28E-03	9.50E-07	1.44E-05	1.59E-05	6.31E-03	7.63E-03	2.19E-02	1.31E-03	5.44E-04	3.14E-02
4454	480863.09	3858377.25	0.04349	0.03165	0.0071	0.00772	7.11E-03	2.46E-02	1.38E-03	5.68E-04	3.36E-02	7.01E-03	1.06E-06	1.51E-05	1.66E-05	7.04E-03	8.51E-03	2.46E-02	1.38E-03	5.68E-04	3.50E-02
4455	481363.09	3858377.25	0.04881	0.03729	0.0075	0.00815	7.98E-03	2.89E-02	1.46E-03	6.00E-04	3.90E-02	7.86E-03	1.25E-06	1.60E-05	1.75E-05	7.90E-03	9.55E-03	2.89E-02	1.46E-03	6.00E-04	4.05E-02
4456	481863.09	3858377.25	0.05523	0.04134	0.0081	0.00863	9.03E-03	3.21E-02	1.58E-03	6.35E-04	4.33E-02	8.90E-03	1.39E-06	1.73E-05	1.86E-05	8.94E-03	1.08E-02	3.21E-02	1.58E-03	6.35E-04	4.51E-02
4457	482363.09	3858377.25	0.06357	0.05096	0.0086	0.00942	1.04E-02	3.95E-02	1.66E-03	6.94E-04	5.23E-02	1.02E-02	1.71E-06	1.82E-05	2.03E-05	1.03E-02	1.24E-02	3.95E-02	1.66E-03	6.94E-04	5.43E-02
4458	482863.09	3858377.25	0.07243	0.0779	0.0087	0.01007	1.18E-02	6.04E-02	1.69E-03	7.41E-04	7.47E-02	1.17E-02	2.62E-06	1.86E-05	2.17E-05	1.17E-02	1.42E-02	6.04E-02	1.69E-03	7.41E-04	7.70E-02
4459	483363.09	3858377.25	0.07754	0.10743	0.0092	0.01017	1.27E-02	8.33E-02	1.79E-03	7.49E-04	9.86E-02	1.25E-02	3.61E-06	1.96E-05	2.19E-05	1.25E-02	1.52E-02	8.33E-02	1.79E-03	7.49E-04	1.01E-01
4460	483863.09	3858377.25	0.08454	0.12649	0.0099	0.01074	1.38E-02	9.81E-02	1.91E-03	7.91E-04	1.15E-01	1.36E-02	4.25E-06	2.10E-05	2.31E-05	1.37E-02	1.65E-02	9.81E-02	1.91E-03	7.91E-04	1.17E-01
4461	484363.09	3858377.25	0.09401	0.14795	0.0109	0.01207	1.54E-02	1.15E-01	2.12E-03	8.89E-04	1.33E-01	1.51E-02	4.97E-06	2.32E-05	2.60E-05	1.52E-02	1.84E-02	1.15E-01	2.12E-03	8.89E-04	1.36E-01
4462	484863.09	3858377.25	0.10186	0.18015	0.0123	0.01331	1.67E-02	1.40E-01	2.38E-03	9.80E-04	1.60E-01	1.64E-02	6.05E-06	2.60E-05	2.87E-05	1.65E-02	1.99E-02	1.40E-01	2.38E-03	9.80E-04	1.63E-01
4463	485363.09	3858377.25	0.10932	0.23427	0.0139	0.01599	1.79E-02	1.82E-01	2.70E-03	1.18E-03	2.03E-01	1.76E-02	7.87E-06	2.96E-05	3.44E-05	1.77E-02	2.14E-02	1.82E-01	2.70E-03	1.18E-03	2.07E-01
4464	485863.09	3858377.25	0.11756	0.3647	0.0164	0.02217	1.92E-02	2.83E-01	3.19E-03	1.63E-03	3.07E-01	1.89E-02	1.23E-05	3.50E-05	4.77E-05	1.90E-02	2.30E-02	2.83E-01	3.19E-03	1.63E-03	3.11E-01
4465	486363.09	3858377.25	0.11803	1.76272	0.0204	0.04545	1.93E-02	1.37E+00	3.96E-03	3.35E-03	1.39E+00	1.90E-02	5.92E-05	4.35E-05	9.78E-05	1.92E-02	2.31E-02	1.37E+00	3.96E-03	3.35E-03	1.40E+00
4466	486863.09	3858377.25	0.11602	2.32311	0.0273	0.0754	1.90E-02	1.80E+00	5.29E-03	5.55E-03	1.83E+00	1.87E-02	7.80E-05	5.80E-05	1.62E-04	1.90E-02	2.27E-02	1.80E+00	5.29E-03	5.55E-03	1.84E+00
4467	487363.09	3858377.25	0.11723	1.07451	0.0383	0.08552	1.92E-02	8.33E-01	7.42E-03	6.30E-03	8.66E-01	1.89E-02	3.61E-05	8.14E-05	1.84E-04	1.92E-02	2.29E-02	8.34E-01	7.42E-03	6.30E-03	8.70E-01
4468	487863.09	3858377.25	0.11413	0.6852	0.0534	0.10814	1.87E-02	5.32E-01	1.03E-02	7.96E-03	5.68E-01	1.84E-02	2.30E-05	1.13E-04	2.33E-04	1.88E-02	2.23E-02	5.32E-01	1.03E-02	7.96E-03	5.72E-01
4469	488363.09	3858377.25	0.12023	0.50718	0.0755	0.07763	1.97E-02	3.93E-01	1.46E-02	5.72E-03	4.33E-01	1.94E-02	1.70E-05	1.61E-04	1.67E-04	1.97E-02	2.35E-02	3.93E-01	1.46E-02	5.72E-03	4.37E-01
4470	488863.09	3858377.25	0.12636	0.40929	0.1779	0.05686	2.07E-02	3.17E-01	3.45E-02	4.19E-03	3.77E-01	2.04E-02	1.37E-05	3.78E-04	1.22E-04	2.09E-02	2.47E-02	3.18E-01	3.45E-02	4.19E-03	3.81E-01
4471	489363.09	3858377.25	0.13826	0.35471	0.1571	0.04832	2.26E-02	2.75E-01	3.05E-02	3.56E-03	3.32E-01	2.23E-02	1.19E-05	3.34E-04	1.04E-04	2.27E-02	2.71E-02	2.75E-01	3.05E-02	3.56E-03	3.36E-01
4472	489863.09	3858377.25	0.1399	0.31387	0.1323	0.04451	2.29E-02	2.43E-01	2.56E-02	3.28E-03	2.95E-01	2.25E-02	1.05E-05	2.81E-04	9.58E-05	2.29E-02	2.74E-02	2.43E-01	2.56E-02	3.28E-03	3.00E-01
4473	490363.09	3858377.25	0.13954	0.27808	0.1163	0.04159	2.28E-02	2.16E-01	2.25E-02	3.06E-03	2.64E-01	2.25E-02	9.34E-06	2.47E-04	8.95E-05	2.28E-02	2.73E-02	2.16E-01	2.25E-02	3.06E-03	2.69E-01
4474	490863.09	3858377.25	0.13471	0.24522	0.1045	0.0391	2.20E-02	1.90E-01	2.03E-02	2.88E-03	2.35E-01	2.17E-02	8.24E-06	2.22E-04	8.42E-05	2.20E-02	2.64E-02	1.90E-01	2.03E-02	2.88E-03	2.40E-01
4475	491363.09	3858377.25	0.12805	0.19803	0.0967	0.03759	2.09E-02	1.54E-01	1.87E-02	2.77E-03	1.96E-01	2.06E-02	6.65E-06	2.06E-04	8.09E-05	2.09E-02	2.51E-02	1.54E-01	1.87E-02	2.77E-03	2.00E-01
4476	491863.09	3858377.25	0.11032	0.13628	0.0972	0.03639	1.80E-02	1.06E-01	1.88E-02	2.68E-03	1.45E-01	1.78E-02	4.58E-06	2.07E-04	7.83E-05	1.81E-02	2.16E-02	1.06E-01	1.88E-02	2.68E-03	1.49E-01
4477	492363.09	3858377.25	0.07397	0.09028	0.0731	0.02954	1.21E-02	7.00E-02	1.42E-02	2.17E-03	9.85E-02	1.19E-02	3.03E-06	1.55E-04	6.36E-05	1.21E-02	1.45E-02	7.00E-02	1.42E-02	2.17E-03	1.01E-01
4478	492863.09	3858377.25	0.07996	0.09126	0.0724	0.02888	1.31E-02	7.08E-02	1.40E-02	2.13E-03	1.00E-01	1.29E-02	3.07E-06	1.54E-04	6.22E-05	1.31E-02	1.56E-02	7.08E-02	1.40E-02	2.13E-03	1.03E-01
4479	493363.09	3858377.25	0.06742	0.07718	0.0587	0.02586	1.10E-02	5.99E-02	1.14E-02	1.90E-03	8.42E-02	1.09E-02	2.59E-06	1.25E-04	5.57E-05	1.10E-02	1.32E-02	5.99E-02	1.14E-02	1.90E-03	8.63E-02
4480	493863.09	3858377.25	0.06119	0.06896	0.0517	0.02395	1.00E-02	5.35E-02	1.00E-02	1.76E-03	7.53E-02	9.86E-03	2.32E-06	1.10E-04	5.16E-05	1.00E-02	1.20E-02	5.35E-02	1.00E-02	1.76E-03	7.73E-02
4481	494363.09	3858377.25	0.05403	0.0606	0.0452	0.02214	8.84E-03	4.70E-02	8.76E-03	1.63E-03	6.62E-02	8.71E-03	2.04E-06	9.61E-05	4.77E-05	8.85E-03	1.06E-02	4.70E-02	8.76E-03	1.63E-03	6.80E-02
4482	494863.09	3858377.25	0.04828	0.0539	0.0407	0.02065	7.90E-03	4.18E-02	7.89E-03	1.52E-03	5.91E-02	7.78E-03	1.81E-06	8.65E-05	4.45E-05	7.91E-03	9.45E-03	4.18E-02	7.89E-03	1.52E-03	6.07E-02
4483	495363.09	3858377.25	0.04203	0.04713	0.0365	0.01915	6.87E-03	3.66E-02	7.08E-03	1.41E-03	5.19E-02	6.77E-03	1.58E-06	7.77E-05	4.12E-05	6.89E-03	8.22E-03	3.66E-02	7.08E-03	1.41E-03	5.33E-02
4484	495863.09	3858377.25	0.04091	0.04472	0.0346	0.01828	6.69E-03	3.47E-02	6.72E-03	1.35E-03	4.94E-02	6.59E-03	1.50E-06	7.36E-05	3.94E-05	6.71E-03	8.01E-03	3.47E-02	6.72E-03	1.35E-03	5.08E-02
4485	496363.09	3858377.25	0.0394	0.04219	0.0328	0.01743	6.44E-03	3.27E-02	6.36E-03	1.28E-03	4.68E-02	6.35E-03	1.42E-06	6.98E-05	3.75E-05	6.46E-03	7.71E-03	3.27E-02	6.36E-03	1.28E-03	4.81E-02
4486	496863.09	3858377.25	0.04112	0.04238	0.0321	0.01698	6.73E-03	3.29E-02	6.23E-03	1.25E-03	4.71E-02	6.63E-03	1.42E-06	6.83E-05	3.66E-05	6.73E-03	8.05E-03	3.29E-02	6.23E-03	1.25E-03	4.84E-02
4487	497363.09	3858377.25	0.04111	0.04131	0.0312	0.01645	6.72E-03	3.20E-02	6.05E-03	1.21E-03	4.60E-02	6.62E-03	1.39E-06	6.63E-05	3.54E-05	6.73E-03	8.04E-03	3.20E-02	6.05E-03	1.21E-03	4.73E-02
4488	497863.09	3858377.25	0.04495	0.04372	0.0315	0.01637	7.35E-03	3.39E-02	6.11E-03	1.21E-03	4.86E-02	7.24E-03	1.47E-06	6.70E-05	3.52E-05	7.35E-03	8.80E-03	3.39E-02	6.11E-03	1.21E-03	5.00E-02
4489	498363.09	3858377.25	0.04961	0.04798	0.0328	0.01666	8.11E-03	3.72E-02	6.36E-03	1.23E-03	5.29E-02	7.99E-03	1.61E-06	6.98E-05	3.59E-05	8.10E-03	9.71E-03	3.72E-02	6.36E-03	1.23E-03	5.45E-02
4490	471363.09	3858877.25	0.00834	0.00651	0.0033	0.00307	1.36E-03	5.05E-03	6.40E-04	2.26E-04	7.28E-03	1.34E-03	2.19E-07	7.02E-06	6.61E-06	1.36E-03	1.63E-03	5.05E-03	6.40E-04	2.26E-04	7.55E-03
4491	471863.09	3858877.25	0.00868	0.00659	0.0034	0.0032	1.42E-03	5.11E-03	6.67E-04	2.36E-04	7.43E-03	1.40E-03	2.21E-07	7.31E-06	6.89E-06	1.41E-03	1.70E-03	5.11E-03	6.67E-04	2.36E-04	7.71E-03
4492	472363.09	3858877.25	0.00932	0.00719	0.0036	0.00335	1.52E-03	5.58E-03	6.96E-04	2.47E-04	8.04E-03	1.50E-03	2.42E-07	7.63E-06	7.21E-06	1.52E-03	1.82E-03	5.58E-03	6.96E-04	2.47E-04	8.34E-03
4493	472863.09	3858877.25	0.00997	0.00769	0.0037	0.00349	1.63E-03	5.97E-03	7.25E-04	2.57E-04	8.58E-03	1.61E-03	2.58E-07	7.95E-06	7.51E-06	1.62E-03	1.95E-03	5.97E-03	7.25E-04	2.57E-04	8.90E-03
4494	473363.09	3858877.25	0.0109	0.00874	0.0039	0.00359	1.78E-03	6.78E-03	7.50E-04	2.64E-04	9.58E-03	1.76E-03	2.94E-07	8.23E-06	7.73E-06	1.77E-03	2.13E-03	6.78E-03	7.50E-04	2.64E-04	9.93E-03
4495	473863.09	3858877.25	0.01149	0.00856	0.0041	0.00375	1.88E-03	6.64E-03	7.93E-04	2.76E-04	9.59E-03	1.85E-03	2.88E-07	8.70E-06	8.07E-06	1.87E-03	2.25E-03	6.64E-03	7.93E-04	2.76E-04	9.96E-03
4496	474363.09	3858877.25	0.01131	0.00722	0.0046	0.00408	1.85E-03	5.60E-03	9.00E-04	3.00E-04	8.65E-03	1.82E-03	2.43E-07	9.87E-06	8.78E-06	1.84E-03	2.21E-03	5.60E-03	9.00E-04	3.00E-04	9.01E-03
4497	474863.09	3858877.25	0.00575	0.00373	0.0032	0.00334	9.40E-04	2.89E-03	6.22E-04	2.46E-04	4.70E-03	9.27E-04	1.25E-07	6.83E-06	7.19E-06	9.41E-04	1.13E-03	2.89E-03	6.22E-04	2.46E-04	4.89E-03
4498	475363.09	3858877.25	0.00411	0.00317	0.003	0.00342	6.72E-04	2.46E-03	5.74E-04	2.52E-04	3.96E-03	6.62E-04	1.06E-07	6.29E-06	7.36E-06	6.76E-04	8.04E-04	2.46E-03	5.74E-04	2.52E-04	4.09E-03
4499	475863.09	3858877.25	0.00477	0.00353	0.0032	0.00362	7.80E-04	2.74E-03	6.11E-04	2.67E-04	4.40E-03	7.69E-04	1.19E-07	6.70E-06	7.79E-06	7.83E-04	9.33E-04	2.74E-03	6.11E-04	2.67E-04	4.55E-03
4500	476363.09	3858877.25	0.00285	0.00274	0.0029	0.00363	4.66E-04	2.13E-03	5.57E-04	2.67E-04	3.42E-03	4.59E-04	9.20E-08	6.10E-06	7.81E-06	4.73E-04	5.58E-04	2.13E-03	5.57E-04	2.67E-04	3.51E-03
4501	476863.09	3858877.25	0.00367	0.00322	0.0032	0.00388	6.00E-04	2.50E-03	6.19E-04	2.86E-04	4.00E-03	5.91E-04	1.08E-07	6.78E-06	8.35E-06	6.07E-04	7.18E-04	2.50E-03	6.19E-04	2.86E-04	4.12E-03
4502	477363.09	3858877.25	0.00389	0.00339	0.0032	0.00407	6.36E-04	2.63E-03	6.26E-04	3.00E-04	4.19E-03	6.27E-04	1.14E-07	6.87E-06	8.76E-06	6.43E-04	7.61E-04	2.63E-03	6.26E-04	3.00E-04	4.32E-03
4503	477863.09	3858877.25	0.00513	0.00402	0.0035	0.00433	8.39E-04	3.12E-03	6.77E-04	3.19E-04	4.95E-03	8.27E-04	1.35E-07	7.42E-06	9.32E-06	8.43E-04	1.00E-03	3.12E-03	6.77E-04	3.19E-04	5.12E-03
4504	478363.09	3858877.25	0.01217	0.00676	0.0055	0.00511	1.99E-03	5.24E-03	1.06E-03	3.76E-04	8.67E-03	1.96E-03	2.27E-07	1.17E-05	1.10E-05	1.98E-03	2.38E-03	5.24E-03	1.06E-03	3.76E-04	9.06E-03
4505	478863.09	3858877.25	0.01002	0.00618	0.0049	0.00512	1.64E-03	4.79E-03	9.50E-04	3.77E-04	7.76E-03	1.61E-03	2.08E-07	1.04E-05	1.10E-05	1.64E-03	1.96E-03	4.79E-03	9.50E-04	3.77E-04	8.08E-03
4506	479363.09	3858877.25	0.00787	0.0055	0.0042	0.00518	1.29E-03	4.27E-03	8.18E-04	3.81E-04	6.75E-03	1.27E-03	1.85E-07	8.97E-06	1.12E-05	1.29E-03	1.54E-03	4.27E-03	8.18E-04	3.81E-04	7.01E-03
4507	479863.09	3858877.25	0.03253	0.02268	0.007	0.00662	5.32E-03	1.76E-02	1.35E-03	4.87E-04	2.48E-02	5.24E-03	7.62E-07	1.48E-05	1.43E-05	5.27E-03	6.37E-03	1.76E-02	1.35E-03	4.87E-04	2.58E-02
4508	480363.09	3858877.25	0.03628	0.02884	0.0066	0.00672	5.93E-03	2.24E-02	1.28E-03	4.95E-04	3.01E-02	5.85E-03	9.69E-07	1.40E-05	1.45E-05	5.88E-03	7.10E-03	2.24E-02	1.28E-03	4.95E-04	3.12E-02
4509	480863.09	3858877.25	0.03989	0.03429	0.0065	0.00686	6.52E-03	2.66E-02	1.25E-03	5.05E-04	3.49E-02	6.43E-03	1.15E-06	1.37E-05	1.48E-05	6.46E-03	7.81E-03	2.66E-02	1.25E-03	5.05E-04	3.62E-02
4510	481363.09	3858877.25	0.04399	0.03868	0.0067	0.00721	7.20E-03	3.00E-02	1.30E-03	5.31E-04	3.90E-02	7.09E-03	1.30E-06	1.42E-05	1.55E-05	7.12E-03	8.61E-03	3.00E-02	1.30E-03	5.31E-04	4.04E-02

4511	481863.09	3858877.25	0.04891	0.04427	0.007	0.00757	8.00E-03	3.43E-02	1.36E-03	5.57E-04	4.43E-02	7.88E-03	1.49E-06	1.49E-05	1.63E-05	7.91E-03	9.57E-03	3.43E-02	1.36E-03	5.57E-04	4.58E-02
4512	482363.09	3858877.25	0.05445	0.04818	0.0076	0.0083	8.91E-03	3.74E-02	1.47E-03	6.11E-04	4.84E-02	8.77E-03	1.62E-06	1.62E-05	1.79E-05	8.81E-03	1.07E-02	3.74E-02	1.47E-03	6.11E-04	5.01E-02
4513	482863.09	3858877.25	0.06109	0.05704	0.0083	0.00854	9.99E-03	4.42E-02	1.60E-03	6.29E-04	5.65E-02	9.84E-03	1.92E-06	1.75E-05	1.84E-05	9.88E-03	1.20E-02	4.42E-02	1.60E-03	6.29E-04	5.84E-02
4514	483363.09	3858877.25	0.06251	0.08904	0.009	0.00912	1.02E-02	6.91E-02	1.75E-03	6.71E-04	8.17E-02	1.01E-02	2.99E-06	1.92E-05	1.96E-05	1.01E-02	1.22E-02	6.91E-02	1.75E-03	6.71E-04	8.37E-02
4515	483863.09	3858877.25	0.0664	0.10342	0.0102	0.01003	1.09E-02	8.02E-02	1.98E-03	7.38E-04	9.38E-02	1.07E-02	3.47E-06	2.17E-05	2.16E-05	1.07E-02	1.30E-02	8.02E-02	1.98E-03	7.38E-04	9.59E-02
4516	484363.09	3858877.25	0.07239	0.12232	0.0118	0.01134	1.18E-02	9.49E-02	2.29E-03	8.35E-04	1.10E-01	1.17E-02	4.11E-06	2.51E-05	2.44E-05	1.17E-02	1.42E-02	9.49E-02	2.29E-03	8.35E-04	1.12E-01
4517	484863.09	3858877.25	0.07769	0.1504	0.0136	0.01283	1.27E-02	1.17E-01	2.63E-03	9.45E-04	1.33E-01	1.25E-02	5.05E-06	2.88E-05	2.76E-05	1.26E-02	1.52E-02	1.17E-01	2.63E-03	9.45E-04	1.35E-01
4518	485363.09	3858877.25	0.08098	0.20096	0.0152	0.01529	1.32E-02	1.56E-01	2.94E-03	1.13E-03	1.73E-01	1.30E-02	6.75E-06	3.23E-05	3.29E-05	1.31E-02	1.58E-02	1.56E-01	2.94E-03	1.13E-03	1.76E-01
4519	485863.09	3858877.25	0.08329	0.32258	0.0169	0.02099	1.36E-02	2.50E-01	3.27E-03	1.55E-03	2.69E-01	1.34E-02	1.08E-05	3.59E-05	4.52E-05	1.35E-02	1.63E-02	2.50E-01	3.27E-03	1.55E-03	2.71E-01
4520	486363.09	3858877.25	0.08136	1.65206	0.0186	0.03116	1.33E-02	1.28E+00	3.60E-03	2.29E-03	1.30E+00	1.31E-02	5.55E-05	3.95E-05	6.71E-05	1.33E-02	1.59E-02	1.28E+00	3.60E-03	2.29E-03	1.30E+00
4521	486863.09	3858877.25	0.07972	2.39959	0.0188	0.07365	1.30E-02	1.86E+00	3.64E-03	5.42E-03	1.88E+00	1.28E-02	8.06E-05	3.99E-05	1.59E-04	1.31E-02	1.56E-02	1.86E+00	3.64E-03	5.42E-03	1.89E+00
4522	487363.09	3858877.25	0.08397	2.44039	0.017	0.21712	1.37E-02	1.89E+00	3.29E-03	1.60E-02	1.93E+00	1.35E-02	8.20E-05	3.61E-05	4.67E-04	1.41E-02	1.64E-02	1.89E+00	3.29E-03	1.60E-02	1.93E+00
4523	487863.09	3858877.25	0.08514	1.18215	0.0178	0.13043	1.39E-02	9.17E-01	3.44E-03	9.60E-03	9.44E-01	1.37E-02	3.97E-05	3.78E-05	2.81E-04	1.41E-02	1.67E-02	9.17E-01	3.44E-03	9.60E-03	9.47E-01
4524	488363.09	3858877.25	0.08487	2.02157	0.018	0.09797	1.39E-02	1.57E+00	3.50E-03	7.21E-03	1.59E+00	1.37E-02	6.79E-05	3.83E-05	2.11E-04	1.40E-02	1.66E-02	1.57E+00	3.50E-03	7.21E-03	1.60E+00
4525	488863.09	3858877.25	0.0874	0.95917	0.0256	0.08305	1.43E-02	7.44E-01	4.96E-03	6.11E-03	7.69E-01	1.41E-02	3.22E-05	5.44E-05	1.79E-04	1.43E-02	1.71E-02	7.44E-01	4.96E-03	6.11E-03	7.72E-01
4526	489363.09	3858877.25	0.08519	0.64193	0.0389	0.07273	1.39E-02	4.98E-01	7.54E-03	5.35E-03	5.25E-01	1.37E-02	2.16E-05	8.27E-05	1.57E-04	1.40E-02	1.67E-02	4.98E-01	7.54E-03	5.35E-03	5.28E-01
4527	489863.09	3858877.25	0.09051	0.48554	0.0463	0.06268	1.48E-02	3.77E-01	8.97E-03	4.61E-03	4.05E-01	1.46E-02	1.63E-05	9.84E-05	1.35E-04	1.48E-02	1.77E-02	3.77E-01	8.97E-03	4.61E-03	4.08E-01
4528	490363.09	3858877.25	0.09755	0.37478	0.0486	0.0542	1.60E-02	2.91E-01	9.43E-03	3.99E-03	3.20E-01	1.57E-02	1.26E-05	1.03E-04	1.17E-04	1.60E-02	1.91E-02	2.91E-01	9.43E-03	3.99E-03	3.23E-01
4529	490863.09	3858877.25	0.10116	0.27327	0.0498	0.0481	1.65E-02	2.12E-01	9.66E-03	3.54E-03	2.42E-01	1.63E-02	9.18E-06	1.06E-04	1.04E-04	1.65E-02	1.98E-02	2.12E-01	9.66E-03	3.54E-03	2.45E-01
4530	491363.09	3858877.25	0.0946	0.18557	0.0578	0.0437	1.55E-02	1.44E-01	1.12E-02	3.22E-03	1.74E-01	1.52E-02	6.23E-06	1.23E-04	9.41E-05	1.55E-02	1.85E-02	1.44E-01	1.12E-02	3.22E-03	1.77E-01
4531	491863.09	3858877.25	0.07375	0.12727	0.0583	0.03712	1.21E-02	9.87E-02	1.13E-02	2.73E-03	1.25E-01	1.19E-02	4.28E-06	1.24E-04	7.99E-05	1.21E-02	1.44E-02	9.87E-02	1.13E-02	2.73E-03	1.27E-01
4532	492363.09	3858877.25	0.0798	0.13216	0.0566	0.0357	1.31E-02	1.03E-01	1.10E-02	2.63E-03	1.29E-01	1.29E-02	4.44E-06	1.20E-04	7.69E-05	1.31E-02	1.56E-02	1.03E-01	1.10E-02	2.63E-03	1.32E-01
4533	492863.09	3858877.25	0.08192	0.1391	0.0516	0.03305	1.34E-02	1.08E-01	1.00E-02	2.43E-03	1.34E-01	1.32E-02	4.67E-06	1.10E-04	7.11E-05	1.34E-02	1.60E-02	1.08E-01	1.00E-02	2.43E-03	1.36E-01
4534	493363.09	3858877.25	0.07595	0.11757	0.0513	0.03034	1.24E-02	9.12E-02	9.94E-03	2.23E-03	1.16E-01	1.22E-02	3.95E-06	1.09E-04	6.53E-05	1.24E-02	1.49E-02	9.12E-02	9.94E-03	2.23E-03	1.18E-01
4535	493863.09	3858877.25	0.0643	0.09163	0.0477	0.02641	1.05E-02	7.11E-02	9.26E-03	1.94E-03	9.28E-02	1.04E-02	3.08E-06	1.01E-04	5.69E-05	1.05E-02	1.26E-02	7.11E-02	9.26E-03	1.94E-03	9.49E-02
4536	494363.09	3858877.25	0.05967	0.08108	0.0461	0.02439	9.76E-03	6.29E-02	8.94E-03	1.80E-03	8.34E-02	9.61E-03	2.72E-06	9.80E-05	5.25E-05	9.77E-03	1.17E-02	6.29E-02	8.94E-03	1.80E-03	8.53E-02
4537	494863.09	3858877.25	0.05364	0.07052	0.0396	0.02181	8.77E-03	5.47E-02	7.68E-03	1.61E-03	7.28E-02	8.64E-03	2.37E-06	8.43E-05	4.70E-05	8.78E-03	1.05E-02	5.47E-02	7.68E-03	1.61E-03	7.45E-02
4538	495363.09	3858877.25	0.04819	0.06157	0.0353	0.01987	7.88E-03	4.78E-02	6.85E-03	1.46E-03	6.40E-02	7.76E-03	2.07E-06	7.51E-05	4.28E-05	7.88E-03	9.43E-03	4.78E-02	6.85E-03	1.46E-03	6.55E-02
4539	495863.09	3858877.25	0.04555	0.05637	0.033	0.01853	7.45E-03	4.37E-02	6.40E-03	1.36E-03	5.89E-02	7.34E-03	1.89E-06	7.01E-05	3.99E-05	7.45E-03	8.91E-03	4.37E-02	6.40E-03	1.36E-03	6.04E-02
4540	496363.09	3858877.25	0.04479	0.05354	0.0318	0.01762	7.33E-03	4.15E-02	6.17E-03	1.30E-03	5.63E-02	7.22E-03	1.80E-06	6.77E-05	3.79E-05	7.32E-03	8.76E-03	4.15E-02	6.17E-03	1.30E-03	5.78E-02
4541	496863.09	3858877.25	0.04411	0.05109	0.0308	0.0168	7.21E-03	3.96E-02	5.96E-03	1.24E-03	5.40E-02	7.11E-03	1.72E-06	6.54E-05	3.62E-05	7.21E-03	8.63E-03	3.96E-02	5.96E-03	1.24E-03	5.55E-02
4542	497363.09	3858877.25	0.04326	0.04871	0.0296	0.01604	7.08E-03	3.78E-02	5.73E-03	1.18E-03	5.18E-02	6.97E-03	1.64E-06	6.28E-05	3.45E-05	7.07E-03	8.47E-03	3.78E-02	5.73E-03	1.18E-03	5.32E-02
4543	497863.09	3858877.25	0.04754	0.05238	0.0314	0.01614	7.78E-03	4.06E-02	6.09E-03	1.19E-03	5.57E-02	7.66E-03	1.76E-06	6.68E-05	3.47E-05	7.76E-03	9.30E-03	4.06E-02	6.09E-03	1.19E-03	5.72E-02
4544	498363.09	3858877.25	0.05029	0.05647	0.0327	0.01619	8.23E-03	4.38E-02	6.33E-03	1.19E-03	5.96E-02	8.10E-03	1.90E-06	6.94E-05	3.49E-05	8.21E-03	9.84E-03	4.38E-02	6.33E-03	1.19E-03	6.12E-02
4545	471363.09	3859377.25	0.00824	0.00647	0.0038	0.00313	1.35E-03	5.02E-03	7.29E-04	2.30E-04	7.33E-03	1.33E-03	2.17E-07	7.99E-06	6.74E-06	1.34E-03	1.61E-03	5.02E-03	7.29E-04	2.30E-04	7.59E-03
4546	471863.09	3859377.25	0.00878	0.00678	0.0039	0.00323	1.44E-03	5.26E-03	7.50E-04	2.38E-04	7.68E-03	1.41E-03	2.28E-07	8.23E-06	6.95E-06	1.43E-03	1.72E-03	5.26E-03	7.50E-04	2.38E-04	7.97E-03
4547	472363.09	3859377.25	0.00952	0.00745	0.0039	0.00332	1.56E-03	5.78E-03	7.64E-04	2.44E-04	8.34E-03	1.53E-03	2.50E-07	8.38E-06	7.15E-06	1.55E-03	1.86E-03	5.78E-03	7.64E-04	2.44E-04	8.65E-03
4548	472863.09	3859377.25	0.01025	0.00799	0.004	0.00341	1.68E-03	6.20E-03	7.78E-04	2.51E-04	8.90E-03	1.65E-03	2.68E-07	8.53E-06	7.34E-06	1.67E-03	2.01E-03	6.20E-03	7.78E-04	2.51E-04	9.23E-03
4549	473363.09	3859377.25	0.01106	0.00875	0.004	0.00349	1.81E-03	6.79E-03	7.83E-04	2.57E-04	9.64E-03	1.78E-03	2.94E-07	8.59E-06	7.51E-06	1.80E-03	2.16E-03	6.79E-03	7.83E-04	2.57E-04	9.99E-03
4550	473863.09	3859377.25	0.01177	0.00904	0.0042	0.00363	1.93E-03	7.01E-03	8.09E-04	2.67E-04	1.00E-02	1.90E-03	3.04E-07	8.87E-06	7.81E-06	1.91E-03	2.30E-03	7.01E-03	8.09E-04	2.67E-04	1.04E-02
4551	474363.09	3859377.25	0.01152	0.00736	0.0052	0.00396	1.88E-03	5.71E-03	9.99E-04	2.92E-04	8.88E-03	1.86E-03	2.47E-07	1.09E-05	8.52E-06	1.88E-03	2.25E-03	5.71E-03	9.99E-04	2.92E-04	9.25E-03
4552	474863.09	3859377.25	0.00911	0.0052	0.0043	0.00372	1.49E-03	4.03E-03	8.34E-04	2.74E-04	6.63E-03	1.47E-03	1.75E-07	9.14E-06	8.01E-06	1.49E-03	1.78E-03	4.03E-03	8.34E-04	2.74E-04	6.92E-03
4553	475363.09	3859377.25	0.00584	0.00378	0.0029	0.00349	9.55E-04	2.93E-03	5.70E-04	2.57E-04	4.71E-03	9.41E-04	1.27E-07	6.25E-06	7.51E-06	9.55E-04	1.14E-03	2.93E-03	5.70E-04	2.57E-04	4.90E-03
4554	475863.09	3859377.25	0.00359	0.00294	0.0026	0.00346	5.87E-04	2.28E-03	5.04E-04	2.55E-04	3.63E-03	5.78E-04	9.88E-08	5.53E-06	7.45E-06	5.92E-04	7.02E-04	2.28E-03	5.04E-04	2.55E-04	3.74E-03
4555	476363.09	3859377.25	0.00323	0.0028	0.0027	0.00352	5.28E-04	2.17E-03	5.16E-04	2.59E-04	3.48E-03	5.20E-04	9.41E-08	5.66E-06	7.58E-06	5.34E-04	6.32E-04	2.17E-03	5.16E-04	2.59E-04	3.58E-03
4556	476863.09	3859377.25	0.00258	0.00251	0.0027	0.00358	4.22E-04	1.95E-03	5.18E-04	2.64E-04	3.15E-03	4.16E-04	8.43E-08	5.68E-06	7.71E-06	4.29E-04	5.05E-04	1.95E-03	5.18E-04	2.64E-04	3.23E-03
4557	477363.09	3859377.25	0.00288	0.00272	0.0028	0.00374	4.71E-04	2.11E-03	5.45E-04	2.75E-04	3.40E-03	4.64E-04	9.14E-08	5.97E-06	8.05E-06	4.78E-04	5.64E-04	2.11E-03	5.45E-04	2.75E-04	3.49E-03
4558	477863.09	3859377.25	0.00602	0.00416	0.0032	0.00415	9.85E-04	3.23E-03	6.24E-04	3.06E-04	5.14E-03	9.70E-04	1.40E-07	6.85E-06	8.93E-06	9.86E-04	1.18E-03	3.23E-03	6.24E-04	3.06E-04	5.34E-03
4559	478363.09	3859377.25	0.01051	0.00592	0.0046	0.00473	1.72E-03	4.59E-03	8.86E-04	3.48E-04	7.55E-03	1.69E-03	1.99E-07	9.72E-06	1.02E-05	1.71E-03	2.06E-03	4.59E-03	8.86E-04	3.48E-04	7.88E-03
4560	478863.09	3859377.25	0.01804	0.00896	0.0074	0.00565	2.95E-03	6.95E-03	1.43E-03	4.16E-04	1.17E-02	2.91E-03	3.01E-07	1.57E-05	1.22E-05	2.93E-03	3.53E-03	6.95E-03	1.43E-03	4.16E-04	1.23E-02
4561	479363.09	3859377.25	0.02468	0.01331	0.0081	0.00624	4.04E-03	1.03E-02	1.57E-03	4.59E-04	1.64E-02	3.98E-03	4.47E-07	1.72E-05	1.34E-05	4.01E-03	4.83E-03	1.03E-02	1.57E-03	4.59E-04	1.72E-02
4562	479863.09	3859377.25	0.02925	0.01906	0.0076	0.00643	4.78E-03	1.48E-02	1.47E-03	4.73E-04	2.15E-02	4.71E-03	6.40E-07	1.61E-05	1.38E-05	4.74E-03	5.72E-03	1.48E-02	1.47E-03	4.73E-04	2.25E-02
4563	480363.09	3859377.25	0.03245	0.0264	0.0065	0.00629	5.31E-03	2.05E-02	1.26E-03	4.63E-04	2.75E-02	5.23E-03	8.87E-07	1.39E-05	1.35E-05	5.26E-03	6.35E-03	2.05E-02	1.26E-03	4.63E-04	2.86E-02
4564	480863.09	3859377.25	0.03531	0.03251	0.0066	0.00621	5.78E-03	2.52E-02	1.28E-03	4.57E-04	3.27E-02	5.69E-03	1.09E-06	1.40E-05	1.34E-05	5.72E-03	6.91E-03	2.52E-02	1.28E-03	4.57E-04	3.39E-02
4565	481363.09	3859377.25	0.03863	0.03774	0.0073	0.00633	6.32E-03	2.93E-02	1.41E-03	4.66E-04	3.75E-02	6.22E-03	1.27E-06	1.55E-05	1.36E-05	6.25E-03	7.56E-03	2.93E-02	1.41E-03	4.66E-04	3.87E-02
4566	481863.09	3859377.25	0.04216	0.04303	0.0082	0.00673	6.90E-03	3.34E-02	1.58E-03	4.95E-04	4.24E-02	6.79E-03	1.45E-06	1.74E-05	1.45E-05	6.83E-03	8.25E-03	3.34E-02	1.58E-03	4.95E-04	4.37E-02
4567	482363.09	3859377.25	0.04613	0.04759	0.0092	0.00695	7.55E-03	3.69E-02	1.78E-03	5.12E-04	4.68E-02	7.43E-03	1.60E-06	1.96E-05	1.50E-05	7.47E-03	9.03E-03	3.69E-02	1.78E-03	5.12E-04	4.82E-02
4568	482863.09	3859377.25	0.04989	0.05645	0.0101	0.00746	8.16E-03	4.38E-02	1.95E-03	5.49E-04	5.45E-02	8.04E-03	1.90E-06	2.14E-05	1.61E-05	8.08E-03	9.76E-03	4.38E-02	1.95E-03	5.49E-04	5.61E-02
4569	483363.09	3859377.25	0.0529	0.07288	0.0109	0.00785	8.65E-03	5.65E-02	2.11E-03	5.78E-04	6.79E-02	8.52E-03	2.45E-06	2.31E-05	1.69E-05	8.57E-03	1.04E-02	5.65E-02	2.11E-03	5.78E-04	6.96E-02
4570	483863.09	3859377.25	0.05456	0.08904	0.0113	0.00891	8.92E-03	6.91E-02	2.18E-03	6.56E-04	8.08E-02	8.79E-03	2.99E-06	2.39E-05	1.92E-05	8.84E-03	1.07E-02	6.91E-02	2.18E-03	6.56E-04	8.26E-02
4571	484363.09	3859377.25	0.05836	0.10509	0.012	0.00986	9.55E-03	8.15E-02	2.33E-03	7.26E-04	9.41E-02	9.40E-03	3.53E-06	2.55E-05	2.12E-05	9.45E-03	1.14E-02	8.15E-02	2.33E-03	7.26E-04	9.60E-02

4572	484863.09	3859377.25	0.06169	0.12792	0.0128	0.01122	1.01E-02	9.92E-02	2.49E-03	8.26E-04	1.13E-01	9.94E-03	4.30E-06	2.73E-05	2.42E-05	1.00E-02	1.21E-02	9.92E-02	2.49E-03	8.26E-04	1.15E-01
4573	485363.09	3859377.25	0.06204	0.16569	0.0138	0.01344	1.01E-02	1.29E-01	2.67E-03	9.90E-04	1.42E-01	1.00E-02	5.57E-06	2.93E-05	2.89E-05	1.01E-02	1.21E-02	1.29E-01	2.67E-03	9.90E-04	1.44E-01
4574	485863.09	3859377.25	0.06117	0.23511	0.0144	0.01648	1.00E-02	1.82E-01	2.79E-03	1.21E-03	1.96E-01	9.86E-03	7.90E-06	3.06E-05	3.55E-05	9.93E-03	1.20E-02	1.82E-01	2.79E-03	1.21E-03	1.98E-01
4575	486363.09	3859377.25	0.0607	0.38901	0.0133	0.02341	9.93E-03	3.02E-01	2.58E-03	1.72E-03	3.16E-01	9.78E-03	1.31E-05	2.83E-05	5.04E-05	9.87E-03	1.19E-02	3.02E-01	2.58E-03	1.72E-03	3.18E-01
4576	486863.09	3859377.25	0.05898	1.59137	0.0113	0.04054	9.65E-03	1.23E+00	2.18E-03	2.98E-03	1.25E+00	9.50E-03	5.35E-05	2.39E-05	8.73E-05	9.67E-03	1.15E-02	1.23E+00	2.18E-03	2.98E-03	1.25E+00
4577	487363.09	3859377.25	0.06096	2.08144	0.0096	0.06775	9.97E-03	1.61E+00	1.86E-03	4.99E-03	1.63E+00	9.82E-03	6.99E-05	2.04E-05	1.46E-04	1.01E-02	1.19E-02	1.61E+00	1.86E-03	4.99E-03	1.63E+00
4578	487863.09	3859377.25	0.06278	2.22878	0.0104	0.08881	1.03E-02	1.73E+00	2.02E-03	6.54E-03	1.75E+00	1.01E-02	7.49E-05	2.22E-05	1.91E-04	1.04E-02	1.23E-02	1.73E+00	2.02E-03	6.54E-03	1.75E+00
4579	488363.09	3859377.25	0.06449	2.60601	0.0103	0.14952	1.05E-02	2.02E+00	2.00E-03	1.10E-02	2.05E+00	1.04E-02	8.75E-05	2.19E-05	3.22E-04	1.08E-02	1.26E-02	2.02E+00	2.00E-03	1.10E-02	2.05E+00
4580	488863.09	3859377.25	0.06581	1.70361	0.0124	0.17848	1.08E-02	1.32E+00	2.41E-03	1.31E-02	1.35E+00	1.06E-02	5.72E-05	2.64E-05	3.84E-04	1.11E-02	1.29E-02	1.32E+00	2.41E-03	1.31E-02	1.35E+00
4581	489363.09	3859377.25	0.06668	0.83942	0.0162	0.12478	1.09E-02	6.51E-01	3.14E-03	9.19E-03	6.74E-01	1.07E-02	2.82E-05	3.44E-05	2.69E-04	1.11E-02	1.30E-02	6.51E-01	3.14E-03	9.19E-03	6.77E-01
4582	489863.09	3859377.25	0.06574	0.58113	0.0204	0.08582	1.08E-02	4.51E-01	3.95E-03	6.32E-03	4.72E-01	1.06E-02	1.95E-05	4.33E-05	1.85E-04	1.08E-02	1.29E-02	4.51E-01	3.95E-03	6.32E-03	4.74E-01
4583	490363.09	3859377.25	0.06621	0.43532	0.0234	0.0643	1.08E-02	3.38E-01	4.54E-03	4.73E-03	3.58E-01	1.07E-02	1.46E-05	4.97E-05	1.38E-04	1.09E-02	1.30E-02	3.38E-01	4.54E-03	4.73E-03	3.60E-01
4584	490863.09	3859377.25	0.06997	0.31126	0.025	0.05242	1.14E-02	2.41E-01	4.85E-03	3.86E-03	2.62E-01	1.13E-02	1.05E-05	5.32E-05	1.13E-04	1.15E-02	1.37E-02	2.41E-01	4.85E-03	3.86E-03	2.64E-01
4585	491363.09	3859377.25	0.07033	0.19194	0.029	0.04611	1.15E-02	1.49E-01	5.62E-03	3.39E-03	1.69E-01	1.13E-02	6.45E-06	6.16E-05	9.93E-05	1.15E-02	1.38E-02	1.49E-01	5.62E-03	3.39E-03	1.72E-01
4586	491863.09	3859377.25	0.07457	0.20562	0.0292	0.03897	1.22E-02	1.59E-01	5.66E-03	2.87E-03	1.80E-01	1.20E-02	6.91E-06	6.21E-05	8.39E-05	1.22E-02	1.46E-02	1.60E-01	5.66E-03	2.87E-03	1.83E-01
4587	492363.09	3859377.25	0.07283	0.18113	0.0304	0.03441	1.19E-02	1.41E-01	5.89E-03	2.53E-03	1.61E-01	1.17E-02	6.08E-06	6.46E-05	7.41E-05	1.19E-02	1.43E-02	1.41E-01	5.89E-03	2.53E-03	1.63E-01
4588	492863.09	3859377.25	0.06991	0.16454	0.031	0.03084	1.14E-02	1.28E-01	6.01E-03	2.27E-03	1.47E-01	1.13E-02	5.53E-06	6.59E-05	6.64E-05	1.14E-02	1.37E-02	1.28E-01	6.01E-03	2.27E-03	1.50E-01
4589	493363.09	3859377.25	0.06577	0.1364	0.0333	0.02831	1.08E-02	1.06E-01	6.46E-03	2.08E-03	1.25E-01	1.06E-02	4.58E-06	7.09E-05	6.09E-05	1.07E-02	1.29E-02	1.06E-01	6.46E-03	2.08E-03	1.27E-01
4590	493863.09	3859377.25	0.06319	0.12335	0.0331	0.02612	1.03E-02	9.57E-02	6.41E-03	1.92E-03	1.14E-01	1.02E-02	4.14E-06	7.03E-05	5.62E-05	1.03E-02	1.24E-02	9.57E-02	6.41E-03	1.92E-03	1.16E-01
4591	494363.09	3859377.25	0.06005	0.10707	0.0332	0.02406	9.82E-03	8.31E-02	6.43E-03	1.77E-03	1.01E-01	9.68E-03	3.60E-06	7.05E-05	5.18E-05	9.80E-03	1.18E-02	8.31E-02	6.43E-03	1.77E-03	1.03E-01
4592	494863.09	3859377.25	0.05434	0.08635	0.0327	0.02168	8.89E-03	6.70E-02	6.35E-03	1.60E-03	8.38E-02	8.76E-03	2.90E-06	6.96E-05	4.67E-05	8.88E-03	1.06E-02	6.70E-02	6.35E-03	1.60E-03	8.56E-02
4593	495363.09	3859377.25	0.05195	0.07899	0.0315	0.02013	8.50E-03	6.13E-02	6.10E-03	1.48E-03	7.74E-02	8.37E-03	2.65E-06	6.69E-05	4.33E-05	8.48E-03	1.02E-02	6.13E-02	6.10E-03	1.48E-03	7.90E-02
4594	495863.09	3859377.25	0.0487	0.07026	0.0301	0.01849	7.97E-03	5.45E-02	5.83E-03	1.36E-03	6.97E-02	7.85E-03	2.36E-06	6.39E-05	3.98E-05	7.95E-03	9.53E-03	5.45E-02	5.83E-03	1.36E-03	7.12E-02
4595	496363.09	3859377.25	0.0481	0.06709	0.0298	0.01757	7.87E-03	5.20E-02	5.78E-03	1.29E-03	6.70E-02	7.75E-03	2.25E-06	6.33E-05	3.78E-05	7.85E-03	9.41E-03	5.20E-02	5.78E-03	1.29E-03	6.85E-02
4596	496863.09	3859377.25	0.04415	0.05833	0.028	0.01603	7.22E-03	4.52E-02	5.43E-03	1.18E-03	5.91E-02	7.11E-03	1.96E-06	5.95E-05	3.45E-05	7.21E-03	8.64E-03	4.52E-02	5.43E-03	1.18E-03	6.05E-02
4597	497363.09	3859377.25	0.04521	0.05864	0.0288	0.01565	7.39E-03	4.55E-02	5.57E-03	1.15E-03	5.96E-02	7.28E-03	1.97E-06	6.11E-05	3.37E-05	7.38E-03	8.85E-03	4.55E-02	5.57E-03	1.15E-03	6.11E-02
4598	497863.09	3859377.25	0.04698	0.06245	0.0292	0.01553	7.68E-03	4.84E-02	5.67E-03	1.14E-03	6.29E-02	7.57E-03	2.10E-06	6.22E-05	3.34E-05	7.67E-03	9.19E-03	4.84E-02	5.67E-03	1.14E-03	6.45E-02
4599	498363.09	3859377.25	0.04698	0.0647	0.0281	0.01501	7.68E-03	5.02E-02	5.46E-03	1.11E-03	6.44E-02	7.57E-03	2.17E-06	5.98E-05	3.23E-05	7.66E-03	9.19E-03	5.02E-02	5.46E-03	1.11E-03	6.59E-02
4600	471363.09	3859877.25	0.00861	0.00692	0.0033	0.00303	1.41E-03	5.37E-03	6.38E-04	2.23E-04	7.64E-03	1.39E-03	2.32E-07	7.00E-06	6.52E-06	1.40E-03	1.68E-03	5.37E-03	6.38E-04	2.23E-04	7.91E-03
4601	471863.09	3859877.25	0.00919	0.00737	0.0033	0.00311	1.50E-03	5.72E-03	6.40E-04	2.29E-04	8.09E-03	1.48E-03	2.48E-07	7.02E-06	6.70E-06	1.49E-03	1.80E-03	5.72E-03	6.40E-04	2.29E-04	8.38E-03
4602	472363.09	3859877.25	0.00976	0.00771	0.0034	0.0032	1.60E-03	5.98E-03	6.50E-04	2.36E-04	8.46E-03	1.57E-03	2.59E-07	7.12E-06	6.89E-06	1.59E-03	1.91E-03	5.98E-03	6.50E-04	2.36E-04	8.78E-03
4603	472863.09	3859877.25	0.01046	0.00848	0.0033	0.00331	1.71E-03	6.58E-03	6.42E-04	2.44E-04	9.17E-03	1.69E-03	2.85E-07	7.04E-06	7.13E-06	1.70E-03	2.05E-03	6.58E-03	6.42E-04	2.44E-04	9.51E-03
4604	473363.09	3859877.25	0.01117	0.00927	0.0033	0.00343	1.83E-03	7.19E-03	6.38E-04	2.53E-04	9.91E-03	1.80E-03	3.11E-07	7.00E-06	7.38E-06	1.81E-03	2.19E-03	7.19E-03	6.38E-04	2.53E-04	1.03E-02
4605	473863.09	3859877.25	0.01188	0.00987	0.0034	0.00357	1.94E-03	7.66E-03	6.50E-04	2.63E-04	1.05E-02	1.91E-03	3.32E-07	7.12E-06	7.69E-06	1.93E-03	2.32E-03	7.66E-03	6.50E-04	2.63E-04	1.09E-02
4606	474363.09	3859877.25	0.01201	0.00841	0.0047	0.00405	1.96E-03	6.52E-03	9.17E-04	2.98E-04	9.70E-03	1.94E-03	2.83E-07	1.01E-05	8.72E-06	1.95E-03	2.35E-03	6.52E-03	9.17E-04	2.98E-04	1.01E-02
4607	474863.09	3859877.25	0.01129	0.00666	0.0052	0.00401	1.85E-03	5.17E-03	9.99E-04	2.95E-04	8.31E-03	1.82E-03	2.24E-07	1.09E-05	8.63E-06	1.84E-03	2.21E-03	5.17E-03	9.99E-04	2.95E-04	8.67E-03
4608	475363.09	3859877.25	0.00743	0.00425	0.0033	0.00348	1.22E-03	3.30E-03	6.32E-04	2.56E-04	5.40E-03	1.20E-03	1.43E-07	6.93E-06	7.49E-06	1.21E-03	1.45E-03	3.30E-03	6.32E-04	2.56E-04	5.64E-03
4609	475863.09	3859877.25	0.00353	0.00274	0.0026	0.0033	5.77E-04	2.13E-03	4.96E-04	2.43E-04	3.44E-03	5.69E-04	9.20E-08	5.44E-06	7.10E-06	5.81E-04	6.91E-04	2.13E-03	4.96E-04	2.43E-04	3.56E-03
4610	476363.09	3859877.25	0.00202	0.00202	0.0025	0.0032	3.30E-04	1.57E-03	4.89E-04	2.36E-04	2.62E-03	3.25E-04	6.79E-08	5.36E-06	6.89E-06	3.38E-04	3.95E-04	1.57E-03	4.89E-04	2.36E-04	2.69E-03
4611	476863.09	3859877.25	0.0024	0.00229	0.0028	0.00339	3.93E-04	1.78E-03	5.51E-04	2.50E-04	2.97E-03	3.87E-04	7.69E-08	6.04E-06	7.30E-06	4.00E-04	4.70E-04	1.78E-03	5.51E-04	2.50E-04	3.05E-03
4612	477363.09	3859877.25	0.00264	0.00245	0.0031	0.00354	4.32E-04	1.90E-03	5.99E-04	2.61E-04	3.19E-03	4.25E-04	8.23E-08	6.57E-06	7.62E-06	4.40E-04	5.17E-04	1.90E-03	5.99E-04	2.61E-04	3.28E-03
4613	477863.09	3859877.25	0.00531	0.00371	0.0036	0.00395	8.69E-04	2.88E-03	6.88E-04	2.91E-04	4.73E-03	8.56E-04	1.25E-07	7.55E-06	8.50E-06	8.72E-04	1.04E-03	2.88E-03	6.88E-04	2.91E-04	4.90E-03
4614	478363.09	3859877.25	0.01052	0.00572	0.0056	0.00452	1.72E-03	4.44E-03	1.09E-03	3.33E-04	7.58E-03	1.70E-03	1.92E-07	1.19E-05	9.73E-06	1.72E-03	2.06E-03	4.44E-03	1.09E-03	3.33E-04	7.92E-03
4615	478863.09	3859877.25	0.01736	0.00886	0.0094	0.00537	2.84E-03	6.87E-03	1.82E-03	3.95E-04	1.19E-02	2.80E-03	2.98E-07	2.00E-05	1.16E-05	2.83E-03	3.40E-03	6.87E-03	1.82E-03	3.95E-04	1.25E-02
4616	479363.09	3859877.25	0.02336	0.01425	0.0099	0.00605	3.82E-03	1.11E-02	1.92E-03	4.45E-04	1.72E-02	3.76E-03	4.79E-07	2.11E-05	1.30E-05	3.80E-03	4.57E-03	1.11E-02	1.92E-03	4.45E-04	1.80E-02
4617	479863.09	3859877.25	0.02651	0.02024	0.0084	0.00597	4.34E-03	1.57E-02	1.62E-03	4.40E-04	2.21E-02	4.27E-03	6.80E-07	1.78E-05	1.29E-05	4.30E-03	5.19E-03	1.57E-02	1.62E-03	4.40E-04	2.30E-02
4618	480363.09	3859877.25	0.0289	0.02687	0.0077	0.00556	4.73E-03	2.08E-02	1.49E-03	4.09E-04	2.75E-02	4.66E-03	9.03E-07	1.63E-05	1.20E-05	4.69E-03	5.66E-03	2.08E-02	1.49E-03	4.09E-04	2.84E-02
4619	480863.09	3859877.25	0.03129	0.03191	0.008	0.00555	5.12E-03	2.48E-02	1.56E-03	4.09E-04	3.18E-02	5.04E-03	1.07E-06	1.71E-05	1.19E-05	5.07E-03	6.12E-03	2.48E-02	1.56E-03	4.09E-04	3.28E-02
4620	481363.09	3859877.25	0.03341	0.03652	0.0085	0.00572	5.46E-03	2.83E-02	1.65E-03	4.21E-04	3.59E-02	5.38E-03	1.23E-06	1.81E-05	1.23E-05	5.42E-03	6.54E-03	2.83E-02	1.65E-03	4.21E-04	3.69E-02
4621	481863.09	3859877.25	0.03579	0.04105	0.009	0.006	5.85E-03	3.18E-02	1.74E-03	4.42E-04	3.99E-02	5.77E-03	1.38E-06	1.90E-05	1.29E-05	5.80E-03	7.00E-03	3.18E-02	1.74E-03	4.42E-04	4.10E-02
4622	482363.09	3859877.25	0.03896	0.04643	0.0094	0.00629	6.37E-03	3.60E-02	1.82E-03	4.63E-04	4.47E-02	6.28E-03	1.56E-06	1.99E-05	1.35E-05	6.31E-03	7.62E-03	3.60E-02	1.82E-03	4.63E-04	4.59E-02
4623	482863.09	3859877.25	0.0423	0.05299	0.0097	0.00671	6.92E-03	4.11E-02	1.89E-03	4.94E-04	5.04E-02	6.82E-03	1.78E-06	2.07E-05	1.44E-05	6.85E-03	8.28E-03	4.11E-02	1.89E-03	4.94E-04	5.18E-02
4624	483363.09	3859877.25	0.0455	0.06104	0.0101	0.00712	7.44E-03	4.73E-02	1.95E-03	5.24E-04	5.73E-02	7.33E-03	2.05E-06	2.14E-05	1.53E-05	7.37E-03	8.90E-03	4.74E-02	1.95E-03	5.24E-04	5.87E-02
4625	483863.09	3859877.25	0.04626	0.07724	0.0103	0.00786	7.57E-03	5.99E-02	2.00E-03	5.79E-04	7.01E-02	7.45E-03	2.59E-06	2.20E-05	1.69E-05	7.50E-03	9.05E-03	5.99E-02	2.00E-03	5.79E-04	7.16E-02
4626	484363.09	3859877.25	0.04814	0.08991	0.011	0.00869	7.87E-03	6.97E-02	2.14E-03	6.40E-04	8.04E-02	7.76E-03	3.02E-06	2.35E-05	1.87E-05	7.80E-03	9.42E-03	6.97E-02	2.14E-03	6.40E-04	8.19E-02
4627	484863.09	3859877.25	0.04936	0.10698	0.0118	0.00972	8.07E-03	8.30E-02	2.28E-03	7.16E-04	9.41E-02	7.95E-03	3.59E-06	2.50E-05	2.09E-05	8.00E-03	9.66E-03	8.30E-02	2.28E-03	7.16E-04	9.56E-02
4628	485363.09	3859877.25	0.04873	0.13175	0.012	0.0107	7.97E-03	1.02E-01	2.32E-03	7.88E-04	1.13E-01	7.85E-03	4.43E-06	2.54E-05	2.30E-05	7.90E-03	9.54E-03	1.02E-01	2.32E-03	7.88E-04	1.15E-01
4629	485863.09	3859877.25	0.04762	0.1697	0.0109	0.01282	7.79E-03	1.32E-01	2.12E-03	9.44E-04	1.42E-01	7.67E-03	5.70E-06	2.33E-05	2.76E-05	7.73E-03	9.32E-03	1.32E-01	2.12E-03	9.44E-04	1.44E-01
4630	486363.09	3859877.25	0.04715	0.22189	0.0094	0.01648	7.71E-03	1.72E-01	1.82E-03	1.21E-03	1.83E-01	7.60E-03	7.45E-06	2.00E-05	3.55E-05	7.66E-03	9.23E-03	1.72E-01	1.82E-03	1.21E-03	1.84E-01
4631	486863.09	3859877.25	0.0467	0.29759	0.0077	0.02287	7.64E-03	2.31E-01	1.50E-03	1.68E-03	2.42E-01	7.52E-03	1.00E-05	1.64E-05	4.92E-05	7.60E-03	9.14E-03	2.31E-01	1.50E-03	1.68E-03	2.43E-01
4632	487363.09	3859877.25	0.04717	0.44	0.007	0.03505	7.72E-03	3.41E-01	1.35E-03	2.58E-03	3.53E-01	7.60E-03	1.48E-05	1.48E-05	7.55E-05	7.71E-03	9.23E-03	3.41E-01	1.35E-03	2.58E-03	3.54E-01

4633	487863.09	3859877.25	0.04899	1.85771	0.0085	0.07431		8.01E-03	1.44E+00	1.65E-03	5.47E-03	1.46E+00		7.89E-03	6.24E-05	1.81E-05	1.60E-04	8.13E-03		9.59E-03	1.44E+00	1.65E-03	5.47E-03	1.46E+00
4634	488363.09	3859877.25	0.04987	2.29683	0.008	0.13892		8.16E-03	1.78E+00	1.56E-03	1.02E-02	1.80E+00		8.04E-03	7.72E-05	1.71E-05	2.99E-04	8.43E-03		9.76E-03	1.78E+00	1.56E-03	1.02E-02	1.80E+00
4635	488863.09	3859877.25	0.05174	0.97882	0.0077	0.25809		8.46E-03	7.59E-01	1.50E-03	1.90E-02	7.88E-01		8.34E-03	3.29E-05	1.65E-05	5.56E-04	8.94E-03		1.01E-02	7.59E-01	1.50E-03	1.90E-02	7.90E-01
4636	489363.09	3859877.25	0.05296	0.71117	0.0112	0.13232		8.66E-03	5.52E-01	2.17E-03	9.74E-03	5.72E-01		8.53E-03	2.39E-05	2.38E-05	2.85E-04	8.87E-03		1.04E-02	5.52E-01	2.17E-03	9.74E-03	5.74E-01
4637	489863.09	3859877.25	0.05474	0.55623	0.0126	0.08018		8.95E-03	4.31E-01	2.45E-03	5.90E-03	4.49E-01		8.82E-03	1.87E-05	2.69E-05	1.73E-04	9.04E-03		1.07E-02	4.31E-01	2.45E-03	5.90E-03	4.51E-01
4638	490363.09	3859877.25	0.05196	0.45052	0.0142	0.05671		8.50E-03	3.49E-01	2.76E-03	4.18E-03	3.65E-01		8.37E-03	1.51E-05	3.02E-05	1.22E-04	8.54E-03		1.02E-02	3.49E-01	2.76E-03	4.18E-03	3.67E-01
4639	490863.09	3859877.25	0.05096	0.35895	0.0157	0.04342		8.34E-03	2.78E-01	3.04E-03	3.20E-03	2.93E-01		8.21E-03	1.21E-05	3.34E-05	9.35E-05	8.35E-03		9.97E-03	2.78E-01	3.04E-03	3.20E-03	2.95E-01
4640	491363.09	3859877.25	0.05169	0.2997	0.0169	0.03592		8.45E-03	2.32E-01	3.28E-03	2.64E-03	2.47E-01		8.33E-03	1.01E-05	3.60E-05	7.73E-05	8.45E-03		1.01E-02	2.32E-01	3.28E-03	2.64E-03	2.49E-01
4641	491863.09	3859877.25	0.05423	0.25109	0.0177	0.03084		8.87E-03	1.95E-01	3.42E-03	2.27E-03	2.09E-01		8.74E-03	8.43E-06	3.75E-05	6.64E-05	8.85E-03		1.06E-02	1.95E-01	3.42E-03	2.27E-03	2.11E-01
4642	492363.09	3859877.25	0.05699	0.21424	0.0187	0.02726		9.32E-03	1.66E-01	3.63E-03	2.01E-03	1.81E-01		9.18E-03	7.20E-06	3.98E-05	5.87E-05	9.29E-03		1.12E-02	1.66E-01	3.63E-03	2.01E-03	1.83E-01
4643	492863.09	3859877.25	0.05815	0.17938	0.0195	0.02468		9.51E-03	1.39E-01	3.78E-03	1.82E-03	1.54E-01		9.37E-03	6.03E-06	4.15E-05	5.31E-05	9.47E-03		1.14E-02	1.39E-01	3.78E-03	1.82E-03	1.56E-01
4644	493363.09	3859877.25	0.05707	0.15611	0.0201	0.02261		9.33E-03	1.21E-01	3.89E-03	1.66E-03	1.36E-01		9.20E-03	5.24E-06	4.26E-05	4.87E-05	9.29E-03		1.12E-02	1.21E-01	3.89E-03	1.66E-03	1.38E-01
4645	493863.09	3859877.25	0.0551	0.1373	0.0206	0.02093		9.01E-03	1.07E-01	3.99E-03	1.54E-03	1.21E-01		8.88E-03	4.61E-06	4.37E-05	4.51E-05	8.97E-03		1.08E-02	1.07E-01	3.99E-03	1.54E-03	1.23E-01
4646	494363.09	3859877.25	0.05263	0.11862	0.0216	0.01963		8.61E-03	9.20E-02	4.20E-03	1.45E-03	1.06E-01		8.48E-03	3.98E-06	4.60E-05	4.23E-05	8.57E-03		1.03E-02	9.20E-02	4.20E-03	1.45E-03	1.08E-01
4647	494863.09	3859877.25	0.05074	0.10768	0.0222	0.01843		8.30E-03	8.35E-02	4.31E-03	1.36E-03	9.75E-02		8.18E-03	3.62E-06	4.73E-05	3.97E-05	8.27E-03		9.93E-03	8.35E-02	4.31E-03	1.36E-03	9.91E-02
4648	495363.09	3859877.25	0.04895	0.09562	0.0231	0.01749		8.01E-03	7.42E-02	4.48E-03	1.29E-03	8.79E-02		7.89E-03	3.21E-06	4.92E-05	3.77E-05	7.98E-03		9.58E-03	7.42E-02	4.48E-03	1.29E-03	8.95E-02
4649	495863.09	3859877.25	0.04712	0.08466	0.0238	0.01666		7.71E-03	6.57E-02	4.62E-03	1.23E-03	7.92E-02		7.59E-03	2.84E-06	5.06E-05	3.59E-05	7.68E-03		9.22E-03	6.57E-02	4.62E-03	1.23E-03	8.07E-02
4650	496363.09	3859877.25	0.04419	0.07143	0.0245	0.01568		7.23E-03	5.54E-02	4.75E-03	1.15E-03	6.85E-02		7.12E-03	2.40E-06	5.20E-05	3.38E-05	7.21E-03		8.65E-03	5.54E-02	4.75E-03	1.15E-03	7.00E-02
4651	496863.09	3859877.25	0.03578	0.05202	0.0209	0.01334		5.85E-03	4.04E-02	4.04E-03	9.82E-04	5.12E-02		5.77E-03	1.75E-06	4.44E-05	2.87E-05	5.84E-03		7.00E-03	4.04E-02	4.04E-03	9.82E-04	5.24E-02
4652	497363.09	3859877.25	0.04056	0.05976	0.0229	0.01406		6.63E-03	4.64E-02	4.45E-03	1.04E-03	5.85E-02		6.54E-03	2.01E-06	4.88E-05	3.03E-05	6.62E-03		7.94E-03	4.64E-02	4.45E-03	1.04E-03	5.98E-02
4653	497863.09	3859877.25	0.04205	0.06696	0.0218	0.01382		6.88E-03	5.19E-02	4.22E-03	1.02E-03	6.41E-02		6.78E-03	2.25E-06	4.63E-05	2.98E-05	6.85E-03		8.23E-03	5.19E-02	4.22E-03	1.02E-03	6.54E-02
4654	498363.09	3859877.25	0.04163	0.06832	0.0213	0.01306		6.81E-03	5.30E-02	4.12E-03	9.62E-04	6.49E-02		6.71E-03	2.29E-06	4.52E-05	2.81E-05	6.78E-03		8.15E-03	5.30E-02	4.12E-03	9.62E-04	6.62E-02
4655	471363.09	3860377.25	0.00884	0.0074	0.0028	0.00293		1.45E-03	5.74E-03	5.37E-04	2.16E-04	7.94E-03		1.42E-03	2.49E-07	5.89E-06	6.31E-06	1.44E-03		1.73E-03	5.74E-03	5.37E-04	2.16E-04	8.22E-03
4656	471863.09	3860377.25	0.00936	0.00785	0.0029	0.00304		1.53E-03	6.09E-03	5.53E-04	2.24E-04	8.40E-03		1.51E-03	2.64E-07	6.06E-06	6.54E-06	1.52E-03		1.83E-03	6.09E-03	5.53E-04	2.24E-04	8.70E-03
4657	472363.09	3860377.25	0.00994	0.00847	0.0029	0.00315		1.63E-03	6.57E-03	5.64E-04	2.32E-04	8.99E-03		1.60E-03	2.85E-07	6.19E-06	6.78E-06	1.61E-03		1.95E-03	6.57E-03	5.64E-04	2.32E-04	9.31E-03
4658	472863.09	3860377.25	0.01057	0.00924	0.003	0.00324		1.73E-03	7.17E-03	5.74E-04	2.39E-04	9.71E-03		1.70E-03	3.10E-07	6.29E-06	6.97E-06	1.72E-03		2.07E-03	7.17E-03	5.74E-04	2.39E-04	1.00E-02
4659	473363.09	3860377.25	0.0113	0.0099	0.0031	0.00333		1.85E-03	7.68E-03	5.97E-04	2.45E-04	1.04E-02		1.82E-03	3.33E-07	6.55E-06	7.17E-06	1.83E-03		2.21E-03	7.68E-03	5.97E-04	2.45E-04	1.07E-02
4660	473863.09	3860377.25	0.01215	0.01032	0.0033	0.00344		1.99E-03	8.01E-03	6.44E-04	2.53E-04	1.09E-02		1.96E-03	3.47E-07	7.06E-06	7.41E-06	1.97E-03		2.38E-03	8.01E-03	6.44E-04	2.53E-04	1.13E-02
4661	474363.09	3860377.25	0.01301	0.00996	0.0039	0.00362		2.13E-03	7.73E-03	7.58E-04	2.67E-04	1.09E-02		2.10E-03	3.35E-07	8.31E-06	7.79E-06	2.11E-03		2.55E-03	7.73E-03	7.58E-04	2.67E-04	1.13E-02
4662	474863.09	3860377.25	0.01358	0.00895	0.0059	0.00408		2.22E-03	6.94E-03	1.15E-03	3.00E-04	1.06E-02		2.19E-03	3.01E-07	1.26E-05	8.78E-06	2.21E-03		2.66E-03	6.94E-03	1.15E-03	3.00E-04	1.10E-02
4663	475363.09	3860377.25	0.01289	0.00722	0.0069	0.00403		2.11E-03	5.60E-03	1.33E-03	2.97E-04	9.33E-03		2.08E-03	2.43E-07	1.46E-05	8.68E-06	2.10E-03		2.52E-03	5.60E-03	1.33E-03	2.97E-04	9.75E-03
4664	475863.09	3860377.25	0.01113	0.00579	0.0063	0.00381		1.82E-03	4.49E-03	1.21E-03	2.81E-04	7.81E-03		1.79E-03	1.94E-07	1.33E-05	8.20E-06	1.82E-03		2.18E-03	4.49E-03	1.21E-03	2.81E-04	8.16E-03
4665	476363.09	3860377.25	0.00863	0.00464	0.0048	0.00363		1.41E-03	3.60E-03	9.33E-04	2.67E-04	6.21E-03		1.39E-03	1.56E-07	1.02E-05	7.81E-06	1.41E-03		1.69E-03	3.60E-03	9.33E-04	2.67E-04	6.49E-03
4666	476863.09	3860377.25	0.00763	0.0043	0.0046	0.0037		1.25E-03	3.34E-03	8.84E-04	2.72E-04	5.74E-03		1.23E-03	1.44E-07	9.70E-06	7.97E-06	1.25E-03		1.49E-03	3.34E-03	8.84E-04	2.72E-04	5.99E-03
4667	477363.09	3860377.25	0.00431	0.00308	0.0039	0.00356		7.05E-04	2.39E-03	7.56E-04	2.62E-04	4.11E-03		6.94E-04	1.03E-07	8.29E-06	7.66E-06	7.11E-04		8.43E-04	2.39E-03	7.56E-04	2.62E-04	4.25E-03
4668	477863.09	3860377.25	0.00574	0.00367	0.0045	0.00377		9.39E-04	2.85E-03	8.75E-04	2.78E-04	4.94E-03		9.25E-04	1.23E-07	9.59E-06	8.12E-06	9.43E-04		1.12E-03	2.85E-03	8.75E-04	2.78E-04	5.12E-03
4669	478363.09	3860377.25	0.01157	0.00601	0.0071	0.00445		1.89E-03	4.66E-03	1.37E-03	3.28E-04	8.26E-03		1.86E-03	2.02E-07	1.51E-05	9.58E-06	1.89E-03		2.26E-03	4.66E-03	1.37E-03	3.28E-04	8.63E-03
4670	478863.09	3860377.25	0.01675	0.00906	0.008	0.00493		2.74E-03	7.03E-03	1.56E-03	3.63E-04	1.17E-02		2.70E-03	3.04E-07	1.71E-05	1.06E-05	2.73E-03		3.28E-03	7.03E-03	1.56E-03	3.63E-04	1.22E-02
4671	479363.09	3860377.25	0.02127	0.01401	0.0082	0.00539		3.48E-03	1.09E-02	1.59E-03	3.97E-04	1.63E-02		3.43E-03	4.71E-07	1.74E-05	1.16E-05	3.46E-03		4.16E-03	1.09E-02	1.59E-03	3.97E-04	1.70E-02
4672	479863.09	3860377.25	0.02395	0.02052	0.0077	0.00525		3.92E-03	1.59E-02	1.49E-03	3.87E-04	2.17E-02		3.86E-03	6.89E-07	1.64E-05	1.13E-05	3.89E-03		4.69E-03	1.59E-02	1.49E-03	3.87E-04	2.25E-02
4673	480363.09	3860377.25	0.02563	0.02644	0.0077	0.00509		4.19E-03	2.05E-02	1.48E-03	3.75E-04	2.66E-02		4.13E-03	8.88E-07	1.63E-05	1.10E-05	4.16E-03		5.02E-03	2.05E-02	1.48E-03	3.75E-04	2.74E-02
4674	480863.09	3860377.25	0.02701	0.03098	0.0078	0.00511		4.42E-03	2.40E-02	1.52E-03	3.76E-04	3.03E-02		4.35E-03	1.04E-06	1.66E-05	1.10E-05	4.38E-03		5.29E-03	2.40E-02	1.52E-03	3.76E-04	3.12E-02
4675	481363.09	3860377.25	0.02879	0.03475	0.0081	0.00535		4.71E-03	2.70E-02	1.57E-03	3.94E-04	3.36E-02		4.64E-03	1.17E-06	1.72E-05	1.15E-05	4.67E-03		5.63E-03	2.70E-02	1.57E-03	3.94E-04	3.46E-02
4676	481863.09	3860377.25	0.03141	0.03958	0.0083	0.00551		5.14E-03	3.07E-02	1.60E-03	4.06E-04	3.78E-02		5.06E-03	1.33E-06	1.76E-05	1.19E-05	5.09E-03		6.15E-03	3.07E-02	1.60E-03	4.06E-04	3.89E-02
4677	482363.09	3860377.25	0.03425	0.0439	0.0084	0.00581		5.60E-03	3.41E-02	1.64E-03	4.28E-04	4.17E-02		5.52E-03	1.47E-06	1.79E-05	1.25E-05	5.55E-03		6.70E-03	3.41E-02	1.64E-03	4.28E-04	4.28E-02
4678	482863.09	3860377.25	0.03646	0.04856	0.0089	0.00609		5.96E-03	3.77E-02	1.72E-03	4.48E-04	4.58E-02		5.87E-03	1.63E-06	1.88E-05	1.31E-05	5.91E-03		7.13E-03	3.77E-02	1.72E-03	4.48E-04	4.70E-02
4679	483363.09	3860377.25	0.03868	0.05665	0.0095	0.00652		6.33E-03	4.39E-02	1.85E-03	4.80E-04	5.26E-02		6.23E-03	1.90E-06	2.03E-05	1.40E-05	6.27E-03		7.57E-03	4.39E-02	1.85E-03	4.80E-04	5.38E-02
4680	483863.09	3860377.25	0.04107	0.06366	0.0102	0.00709		6.72E-03	4.94E-02	1.97E-03	5.22E-04	5.86E-02		6.62E-03	2.14E-06	2.16E-05	1.53E-05	6.66E-03		8.04E-03	4.94E-02	1.97E-03	5.22E-04	5.99E-02
4681	484363.09	3860377.25	0.04035	0.07587	0.0102	0.00773		6.60E-03	5.89E-02	1.97E-03	5.69E-04	6.80E-02		6.50E-03	2.55E-06	2.16E-05	1.66E-05	6.54E-03		7.90E-03	5.89E-02	1.97E-03	5.69E-04	6.93E-02
4682	484863.09	3860377.25	0.04061	0.08821	0.0101	0.00811		6.64E-03	6.84E-02	1.96E-03	5.97E-04	7.76E-02		6.54E-03	2.96E-06	2.15E-05	1.75E-05	6.59E-03		7.95E-03	6.84E-02	1.96E-03	5.97E-04	7.89E-02
4683	485363.09	3860377.25	0.03916	0.10477	0.0093	0.00864		6.41E-03	8.13E-02	1.81E-03	6.36E-04	9.01E-02		6.31E-03	3.52E-06	1.98E-05	1.86E-05	6.35E-03		7.66E-03	8.13E-02	1.81E-03	6.36E-04	9.14E-02
4684	485863.09	3860377.25	0.03863	0.12775	0.0083	0.00979		6.32E-03	9.91E-02	1.61E-03	7.21E-04	1.08E-01		6.22E-03	4.29E-06	1.76E-05	2.11E-05	6.27E-03		7.56E-03	9.91E-02	1.61E-03	7.21E-04	1.09E-01
4685	486363.09	3860377.25	0.03786	0.15653	0.0068	0.01162		6.19E-03	1.21E-01	1.32E-03	8.56E-04	1.30E-01		6.10E-03	5.26E-06	1.45E-05	2.50E-05	6.15E-03		7.41E-03	1.21E-01	1.32E-03	8.56E-04	1.31E-01
4686	486863.09	3860377.25	0.03732	0.19889	0.0064	0.01522		6.10E-03	1.54E-01	1.23E-03	1.12E-03	1.63E-01		6.01E-03	6.68E-06	1.35E-05	3.28E-05	6.07E-03		7.30E-03	1.54E-01	1.23E-03	1.12E-03	1.64E-01
4687	487363.09	3860377.25	0.03763	0.30882	0.0061	0.02169		6.15E-03	2.40E-01	1.18E-03	1.60E-03	2.48E-01		6.06E-03	1.04E-05	1.29E-05	4.67E-05	6.13E-03		7.36E-03	2.40E-01	1.18E-03	1.60E-03	2.50E-01
4688	487863.09	3860377.25	0.0388	1.57093	0.0077	0.04224		6.35E-03	1.22E+00	1.50E-03	3.11E-03	1.23E+00		6.25E-03	5.28E-05	1.64E-05	9.09E-05	6.41E-03		7.59E-03	1.22E+00	1.50E-03	3.11E-03	1.23E+00
4689	488363.09	3860377.25	0.03934	2.23659	0.0071	0.09768		6.43E-03	1.73E+00	1.38E-03	7.19E-03	1.75E+00		6.34E-03	7.51E-05	1.51E-05	2.10E-04	6.64E-03		7.70E-03	1.74E+00	1.38E-03	7.19E-03	1.75E+00
4690	488863.09	3860377.25	0.04105	2.43942	0.0058	0.12745		6.71E-03	1.89E+00	1.12E-03	9.38E-03	1.91E+00		6.61E-03	8.19E-05	1.23E-05	2.74E-04	6.98E-03		8.03E-03	1.89E+00	1.12E-03	9.38E-03	1.91E+00
4691	489363.09	3860377.25	0.04192	1.09202	0.0075	0.06507		6.86E-03	8.47E-01	1.46E-03	4.79E-03	8.60E-01		6.75E-03	3.67E-05	1.60E-05	1.40E-04	6.95E-03		8.20E-03	8.47E-01	1.46E-03	4.79E-03	8.62E-01
4692	489863.09	3860377.25	0.04305	0.56636	0.01	0.04376		7.04E-03	4.39E-01	1.94E-03	3.22E-03	4.52E-01		6.94E-03	1.90E-05	2.12E-05	9.42E-05	7.07E-03		8.42E-03	4.39E-01	1.94E-03	3.22E-03	4.53E-01
4693	490363.09	3860377.25	0.04449	0.39949	0.0104	0.03426		7.28E-03	3.10E-01	2.01E-03	2.52E-03	3.22E-01		7.17E-03	1.34E-05	2.20E-05	7.38E-05	7.28E-03		8.71E-03	3.10E-01	2.01E-03	2.52E-03	3.23E-01

4694	490863.09	3860377.25	0.04264	0.31275	0.0112	0.02813	6.97E-03	2.43E-01	2.17E-03	2.07E-03	2.54E-01	6.87E-03	1.05E-05	2.38E-05	6.06E-05	6.97E-03	8.34E-03	2.43E-01	2.17E-03	2.07E-03	2.55E-01
4695	491363.09	3860377.25	0.03995	0.25649	0.0111	0.02404	6.53E-03	1.99E-01	2.15E-03	1.77E-03	2.09E-01	6.44E-03	8.62E-06	2.36E-05	5.18E-05	6.52E-03	7.82E-03	1.99E-01	2.15E-03	1.77E-03	2.11E-01
4696	491863.09	3860377.25	0.03979	0.21856	0.0119	0.0216	6.51E-03	1.70E-01	2.30E-03	1.59E-03	1.80E-01	6.41E-03	7.34E-06	2.52E-05	4.65E-05	6.49E-03	7.79E-03	1.70E-01	2.30E-03	1.59E-03	1.81E-01
4697	492363.09	3860377.25	0.04142	0.19046	0.0128	0.02007	6.77E-03	1.48E-01	2.48E-03	1.48E-03	1.58E-01	6.67E-03	6.40E-06	2.72E-05	4.32E-05	6.75E-03	8.11E-03	1.48E-01	2.48E-03	1.48E-03	1.60E-01
4698	492863.09	3860377.25	0.04328	0.16794	0.0131	0.01857	7.08E-03	1.30E-01	2.54E-03	1.37E-03	1.41E-01	6.97E-03	5.64E-06	2.78E-05	4.00E-05	7.05E-03	8.47E-03	1.30E-01	2.54E-03	1.37E-03	1.43E-01
4699	493363.09	3860377.25	0.04587	0.14773	0.0143	0.01708	7.50E-03	1.15E-01	2.77E-03	1.26E-03	1.26E-01	7.39E-03	4.96E-06	3.04E-05	3.68E-05	7.46E-03	8.98E-03	1.15E-01	2.77E-03	1.26E-03	1.28E-01
4700	493863.09	3860377.25	0.04609	0.13407	0.0153	0.0162	7.54E-03	1.04E-01	2.96E-03	1.19E-03	1.16E-01	7.43E-03	4.50E-06	3.24E-05	3.49E-05	7.50E-03	9.02E-03	1.04E-01	2.96E-03	1.19E-03	1.17E-01
4701	494363.09	3860377.25	0.04566	0.11996	0.0155	0.01528	7.47E-03	9.31E-02	3.00E-03	1.12E-03	1.05E-01	7.36E-03	4.03E-06	3.29E-05	3.29E-05	7.43E-03	8.93E-03	9.31E-02	3.00E-03	1.12E-03	1.06E-01
4702	494863.09	3860377.25	0.04407	0.11065	0.0159	0.01459	7.21E-03	8.58E-02	3.08E-03	1.07E-03	9.72E-02	7.10E-03	3.72E-06	3.38E-05	3.14E-05	7.17E-03	8.62E-03	8.58E-02	3.08E-03	1.07E-03	9.86E-02
4703	495363.09	3860377.25	0.04286	0.1	0.0158	0.0139	7.01E-03	7.76E-02	3.07E-03	1.02E-03	8.87E-02	6.91E-03	3.36E-06	3.37E-05	2.99E-05	6.97E-03	8.39E-03	7.76E-02	3.07E-03	1.02E-03	9.01E-02
4704	495863.09	3860377.25	0.04145	0.086	0.0164	0.01352	6.78E-03	6.67E-02	3.19E-03	9.95E-04	7.77E-02	6.68E-03	2.89E-06	3.49E-05	2.91E-05	6.75E-03	8.11E-03	6.67E-02	3.19E-03	9.95E-04	7.90E-02
4705	496363.09	3860377.25	0.03964	0.07289	0.0184	0.0133	6.48E-03	5.65E-02	3.58E-03	9.79E-04	6.76E-02	6.39E-03	2.45E-06	3.92E-05	2.86E-05	6.46E-03	7.76E-03	5.65E-02	3.58E-03	9.79E-04	6.89E-02
4706	496863.09	3860377.25	0.03783	0.06311	0.0199	0.01272	6.19E-03	4.90E-02	3.86E-03	9.36E-04	5.99E-02	6.10E-03	2.12E-06	4.23E-05	2.74E-05	6.17E-03	7.40E-03	4.90E-02	3.86E-03	9.36E-04	6.12E-02
4707	497363.09	3860377.25	0.03512	0.05345	0.02	0.01188	5.74E-03	4.15E-02	3.88E-03	8.75E-04	5.20E-02	5.66E-03	1.80E-06	4.25E-05	2.56E-05	5.73E-03	6.87E-03	4.15E-02	3.88E-03	8.75E-04	5.31E-02
4708	497863.09	3860377.25	0.03665	0.0599	0.0187	0.01198	5.99E-03	4.65E-02	3.63E-03	8.82E-04	5.70E-02	5.91E-03	2.01E-06	3.98E-05	2.58E-05	5.97E-03	7.17E-03	4.65E-02	3.63E-03	8.82E-04	5.81E-02
4709	498363.09	3860377.25	0.0365	0.06357	0.017	0.01129	5.97E-03	4.93E-02	3.30E-03	8.31E-04	5.94E-02	5.88E-03	2.14E-06	3.62E-05	2.43E-05	5.94E-03	7.14E-03	4.93E-02	3.30E-03	8.31E-04	6.06E-02
4710	471363.09	3860877.25	0.00896	0.00785	0.0029	0.0029	1.47E-03	6.09E-03	5.60E-04	2.14E-04	8.33E-03	1.44E-03	2.64E-07	6.14E-06	6.24E-06	1.46E-03	1.75E-03	6.09E-03	5.60E-04	2.14E-04	8.62E-03
4711	471863.09	3860877.25	0.00946	0.00838	0.003	0.00299	1.55E-03	6.50E-03	5.89E-04	2.20E-04	8.86E-03	1.52E-03	2.81E-07	6.46E-06	6.44E-06	1.54E-03	1.85E-03	6.50E-03	5.89E-04	2.20E-04	9.16E-03
4712	472363.09	3860877.25	0.01005	0.00887	0.0032	0.00307	1.64E-03	6.88E-03	6.26E-04	2.26E-04	9.38E-03	1.62E-03	2.98E-07	6.87E-06	6.61E-06	1.63E-03	1.97E-03	6.88E-03	6.26E-04	2.26E-04	9.70E-03
4713	472863.09	3860877.25	0.01079	0.0095	0.0034	0.00312	1.76E-03	7.37E-03	6.55E-04	2.30E-04	1.00E-02	1.74E-03	3.19E-07	7.19E-06	6.72E-06	1.75E-03	2.11E-03	7.37E-03	6.55E-04	2.30E-04	1.04E-02
4714	473363.09	3860877.25	0.01161	0.00993	0.0037	0.0032	1.90E-03	7.70E-03	7.08E-04	2.36E-04	1.05E-02	1.87E-03	3.34E-07	7.76E-06	6.89E-06	1.89E-03	2.27E-03	7.70E-03	7.08E-04	2.36E-04	1.09E-02
4715	473863.09	3860877.25	0.01246	0.01031	0.004	0.0033	2.04E-03	8.00E-03	7.72E-04	2.43E-04	1.11E-02	2.01E-03	3.46E-07	8.46E-06	7.10E-06	2.02E-03	2.44E-03	8.00E-03	7.72E-04	2.43E-04	1.15E-02
4716	474363.09	3860877.25	0.01322	0.01055	0.0044	0.00343	2.16E-03	8.18E-03	8.55E-04	2.53E-04	1.15E-02	2.13E-03	3.54E-07	9.38E-06	7.38E-06	2.15E-03	2.59E-03	8.18E-03	8.55E-04	2.53E-04	1.19E-02
4717	474863.09	3860877.25	0.01385	0.01095	0.0051	0.00372	2.27E-03	8.49E-03	9.89E-04	2.74E-04	1.20E-02	2.23E-03	3.68E-07	1.08E-05	8.01E-06	2.25E-03	2.71E-03	8.49E-03	9.89E-04	2.74E-04	1.25E-02
4718	475363.09	3860877.25	0.01417	0.01042	0.0061	0.00399	2.32E-03	8.08E-03	1.19E-03	2.94E-04	1.19E-02	2.28E-03	3.50E-07	1.30E-05	8.59E-06	2.31E-03	2.77E-03	8.08E-03	1.19E-03	2.94E-04	1.23E-02
4719	475863.09	3860877.25	0.01399	0.00918	0.0073	0.00423	2.29E-03	7.12E-03	1.42E-03	3.11E-04	1.11E-02	2.25E-03	3.08E-07	1.55E-05	9.11E-06	2.28E-03	2.74E-03	7.12E-03	1.42E-03	3.11E-04	1.16E-02
4720	476363.09	3860877.25	0.01311	0.00764	0.0077	0.00433	2.14E-03	5.93E-03	1.50E-03	3.19E-04	9.89E-03	2.11E-03	2.57E-07	1.64E-05	9.32E-06	2.14E-03	2.57E-03	5.93E-03	1.50E-03	3.19E-04	1.03E-02
4721	476863.09	3860877.25	0.01287	0.00713	0.0076	0.00444	2.11E-03	5.53E-03	1.46E-03	3.27E-04	9.43E-03	2.07E-03	2.40E-07	1.61E-05	9.56E-06	2.10E-03	2.52E-03	5.53E-03	1.46E-03	3.27E-04	9.84E-03
4722	477363.09	3860877.25	0.01342	0.00731	0.0075	0.00457	2.19E-03	5.67E-03	1.45E-03	3.36E-04	9.66E-03	2.16E-03	2.46E-07	1.59E-05	9.84E-06	2.19E-03	2.63E-03	5.67E-03	1.45E-03	3.36E-04	1.01E-02
4723	477863.09	3860877.25	0.01196	0.0062	0.0069	0.00432	1.96E-03	4.81E-03	1.33E-03	3.18E-04	8.41E-03	1.93E-03	2.08E-07	1.46E-05	9.30E-06	1.95E-03	2.34E-03	4.81E-03	1.33E-03	3.18E-04	8.80E-03
4724	478363.09	3860877.25	0.00707	0.00408	0.0055	0.00366	1.16E-03	3.16E-03	1.07E-03	2.69E-04	5.66E-03	1.14E-03	1.37E-07	1.18E-05	7.88E-06	1.16E-03	1.38E-03	3.17E-03	1.07E-03	2.69E-04	5.89E-03
4725	478863.09	3860877.25	0.01537	0.00834	0.0078	0.00526	2.51E-03	6.47E-03	1.51E-03	3.87E-04	1.09E-02	2.48E-03	2.80E-07	1.65E-05	1.13E-05	2.50E-03	3.01E-03	6.47E-03	1.51E-03	3.87E-04	1.14E-02
4726	479363.09	3860877.25	0.0193	0.01386	0.0082	0.00571	3.16E-03	1.08E-02	1.59E-03	4.20E-04	1.59E-02	3.11E-03	4.66E-07	1.74E-05	1.23E-05	3.14E-03	3.78E-03	1.08E-02	1.59E-03	4.20E-04	1.65E-02
4727	479863.09	3860877.25	0.02108	0.02022	0.0074	0.00481	3.45E-03	1.57E-02	1.44E-03	3.54E-04	2.09E-02	3.40E-03	6.79E-07	1.58E-05	1.04E-05	3.42E-03	4.12E-03	1.57E-02	1.44E-03	3.54E-04	2.16E-02
4728	480363.09	3860877.25	0.02245	0.02574	0.0072	0.00462	3.67E-03	2.00E-02	1.40E-03	3.40E-04	2.54E-02	3.62E-03	8.65E-07	1.53E-05	9.95E-06	3.64E-03	4.39E-03	2.00E-02	1.40E-03	3.40E-04	2.61E-02
4729	480863.09	3860877.25	0.02396	0.02953	0.0072	0.00473	3.92E-03	2.29E-02	1.39E-03	3.48E-04	2.86E-02	3.86E-03	9.92E-07	1.52E-05	1.02E-05	3.89E-03	4.69E-03	2.29E-02	1.39E-03	3.48E-04	2.93E-02
4730	481363.09	3860877.25	0.02599	0.03353	0.0073	0.00493	4.25E-03	2.60E-02	1.41E-03	3.63E-04	3.20E-02	4.19E-03	1.13E-06	1.55E-05	1.06E-05	4.22E-03	5.09E-03	2.60E-02	1.41E-03	3.63E-04	3.29E-02
4731	481863.09	3860877.25	0.02825	0.03682	0.0076	0.00508	4.62E-03	2.86E-02	1.48E-03	3.74E-04	3.50E-02	4.55E-03	1.24E-06	1.62E-05	1.09E-05	4.58E-03	5.53E-03	2.86E-02	1.48E-03	3.74E-04	3.59E-02
4732	482363.09	3860877.25	0.03002	0.04138	0.0082	0.00532	4.91E-03	3.21E-02	1.59E-03	3.92E-04	3.90E-02	4.84E-03	1.39E-06	1.74E-05	1.15E-05	4.87E-03	5.87E-03	3.21E-02	1.59E-03	3.92E-04	4.00E-02
4733	482863.09	3860877.25	0.03163	0.04549	0.0087	0.00557	5.17E-03	3.53E-02	1.68E-03	4.10E-04	4.26E-02	5.10E-03	1.53E-06	1.84E-05	1.20E-05	5.13E-03	6.19E-03	3.53E-02	1.68E-03	4.10E-04	4.36E-02
4734	483363.09	3860877.25	0.03374	0.04994	0.009	0.00603	5.52E-03	3.87E-02	1.74E-03	4.44E-04	4.64E-02	5.44E-03	1.68E-06	1.91E-05	1.30E-05	5.47E-03	6.60E-03	3.87E-02	1.74E-03	4.44E-04	4.75E-02
4735	483863.09	3860877.25	0.03494	0.05544	0.0093	0.00651	5.71E-03	4.30E-02	1.80E-03	4.79E-04	5.10E-02	5.63E-03	1.86E-06	1.97E-05	1.40E-05	5.67E-03	6.84E-03	4.30E-02	1.80E-03	4.79E-04	5.21E-02
4736	484363.09	3860877.25	0.03492	0.06417	0.009	0.00691	5.71E-03	4.98E-02	1.75E-03	5.09E-04	5.77E-02	5.63E-03	2.16E-06	1.92E-05	1.49E-05	5.66E-03	6.83E-03	4.98E-02	1.75E-03	5.09E-04	5.89E-02
4737	484863.09	3860877.25	0.03366	0.07394	0.008	0.00716	5.51E-03	5.74E-02	1.56E-03	5.27E-04	6.49E-02	5.42E-03	2.48E-06	1.71E-05	1.54E-05	5.46E-03	6.59E-03	5.74E-02	1.56E-03	5.27E-04	6.60E-02
4738	485363.09	3860877.25	0.03258	0.08539	0.0073	0.00751	5.33E-03	6.62E-02	1.42E-03	5.53E-04	7.35E-02	5.25E-03	2.87E-06	1.56E-05	1.62E-05	5.28E-03	6.38E-03	6.62E-02	1.42E-03	5.53E-04	7.46E-02
4739	485863.09	3860877.25	0.03246	0.09953	0.0063	0.00803	5.31E-03	7.72E-02	1.23E-03	5.91E-04	8.43E-02	5.23E-03	3.34E-06	1.35E-05	1.73E-05	5.26E-03	6.35E-03	7.72E-02	1.23E-03	5.91E-04	8.54E-02
4740	486363.09	3860877.25	0.03131	0.11547	0.0062	0.00906	5.12E-03	8.96E-02	1.19E-03	6.67E-04	9.66E-02	5.05E-03	3.88E-06	1.31E-05	1.95E-05	5.08E-03	6.13E-03	8.96E-02	1.19E-03	6.67E-04	9.76E-02
4741	486863.09	3860877.25	0.03099	0.13984	0.0051	0.01066	5.07E-03	1.08E-01	9.89E-04	7.85E-04	1.15E-01	4.99E-03	4.70E-06	1.08E-05	2.29E-05	5.03E-03	6.06E-03	1.08E-01	9.89E-04	7.85E-04	1.16E-01
4742	487363.09	3860877.25	0.03123	0.18098	0.0055	0.01281	5.11E-03	1.40E-01	1.07E-03	9.43E-04	1.48E-01	5.03E-03	6.08E-06	1.17E-05	2.76E-05	5.08E-03	6.11E-03	1.40E-01	1.07E-03	9.43E-04	1.49E-01
4743	487863.09	3860877.25	0.03151	0.23021	0.007	0.01569	5.15E-03	1.79E-01	1.37E-03	1.16E-03	1.86E-01	5.08E-03	7.73E-06	1.50E-05	3.38E-05	5.13E-03	6.17E-03	1.79E-01	1.37E-03	1.16E-03	1.87E-01
4744	488363.09	3860877.25	0.03249	0.28914	0.0066	0.01928	5.31E-03	2.24E-01	1.28E-03	1.42E-03	2.32E-01	5.24E-03	9.71E-06	1.40E-05	4.15E-05	5.30E-03	6.36E-03	2.24E-01	1.28E-03	1.42E-03	2.33E-01
4745	488863.09	3860877.25	0.03308	0.30789	0.005	0.018	5.41E-03	2.39E-01	9.66E-04	1.33E-03	2.47E-01	5.33E-03	1.03E-05	1.06E-05	3.87E-05	5.39E-03	6.47E-03	2.39E-01	9.66E-04	1.33E-03	2.48E-01
4746	489363.09	3860877.25	0.03453	0.30552	0.0054	0.01916	5.65E-03	2.37E-01	1.05E-03	1.41E-03	2.45E-01	5.56E-03	1.03E-05	1.15E-05	4.12E-05	5.63E-03	6.76E-03	2.37E-01	1.05E-03	1.41E-03	2.46E-01
4747	489863.09	3860877.25	0.03435	0.27165	0.0075	0.01728	5.62E-03	2.11E-01	1.45E-03	1.27E-03	2.19E-01	5.53E-03	9.13E-06	1.59E-05	3.72E-05	5.60E-03	6.72E-03	2.11E-01	1.45E-03	1.27E-03	2.20E-01
4748	490363.09	3860877.25	0.035	0.2385	0.0086	0.01604	5.72E-03	1.85E-01	1.66E-03	1.18E-03	1.94E-01	5.64E-03	8.01E-06	1.82E-05	3.45E-05	5.70E-03	6.85E-03	1.85E-01	1.66E-03	1.18E-03	1.95E-01
4749	490863.09	3860877.25	0.03659	0.20818	0.0088	0.01504	5.98E-03	1.61E-01	1.70E-03	1.11E-03	1.70E-01	5.90E-03	6.99E-06	1.86E-05	3.24E-05	5.95E-03	7.16E-03	1.61E-01	1.70E-03	1.11E-03	1.71E-01
4750	491363.09	3860877.25	0.03546	0.18439	0.0093	0.01432	5.80E-03	1.43E-01	1.81E-03	1.05E-03	1.52E-01	5.71E-03	6.19E-06	1.98E-05	3.08E-05	5.77E-03	6.94E-03	1.43E-01	1.81E-03	1.05E-03	1.53E-01
4751	491863.09	3860877.25	0.03334	0.1655	0.0091	0.01373	5.45E-03	1.28E-01	1.76E-03	1.01E-03	1.37E-01	5.37E-03	5.56E-06	1.93E-05	2.96E-05	5.43E-03	6.52E-03	1.28E-01	1.76E-03	1.01E-03	1.38E-01
4752	492363.09	3860877.25	0.03206	0.14627	0.0091	0.01291	5.24E-03	1.13E-01	1.77E-03	9.50E-04	1.21E-01	5.17E-03	4.91E-06	1.94E-05	2.78E-05	5.22E-03	6.27E-03	1.13E-01	1.77E-03	9.50E-04	1.22E-01
4753	492863.09	3860877.25	0.03246	0.13341	0.0098	0.01248	5.31E-03	1.03E-01	1.90E-03	9.19E-04	1.12E-01	5.23E-03	4.48E-06	2.09E-05	2.69E-05	5.28E-03	6.35E-03	1.03E-01	1.90E-03	9.19E-04	1.13E-01
4754	493363.09	3860877.25	0.03402	0.12334	0.0102	0.01239	5.56E-03	9.57E-02	1.98E-03	9.12E-04	1.04E-01	5.48E-03	4.14E-06	2.17E-05	2.67E-05	5.53E-03	6.66E-03	9.57E-02	1.98E-03	9.12E-04	1.05E-01

4755	493863.09	3860877.25	0.03556	0.1131	0.0102	0.01203	5.82E-03	8.77E-02	1.99E-03	8.86E-04	9.64E-02	5.73E-03	3.80E-06	2.18E-05	2.59E-05	5.78E-03	6.96E-03	8.77E-02	1.99E-03	8.86E-04	9.76E-02
4756	494363.09	3860877.25	0.03691	0.10437	0.0107	0.01178	6.04E-03	8.10E-02	2.07E-03	8.67E-04	8.99E-02	5.95E-03	3.51E-06	2.28E-05	2.54E-05	6.00E-03	7.22E-03	8.10E-02	2.07E-03	8.67E-04	9.11E-02
4757	494863.09	3860877.25	0.0375	0.09683	0.0115	0.01168	6.13E-03	7.51E-02	2.23E-03	8.60E-04	8.43E-02	6.04E-03	3.25E-06	2.45E-05	2.51E-05	6.10E-03	7.34E-03	7.51E-02	2.23E-03	8.60E-04	8.55E-02
4758	495363.09	3860877.25	0.03713	0.09001	0.0122	0.01133	6.07E-03	6.98E-02	2.37E-03	8.34E-04	7.91E-02	5.98E-03	3.02E-06	2.60E-05	2.44E-05	6.04E-03	7.27E-03	6.98E-02	2.37E-03	8.34E-04	8.03E-02
4759	495863.09	3860877.25	0.03609	0.084	0.0125	0.01105	5.90E-03	6.52E-02	2.43E-03	8.14E-04	7.43E-02	5.82E-03	2.82E-06	2.66E-05	2.38E-05	5.87E-03	7.06E-03	6.52E-02	2.43E-03	8.14E-04	7.55E-02
4760	496363.09	3860877.25	0.03547	0.07787	0.0129	0.01058	5.80E-03	6.04E-02	2.51E-03	7.79E-04	6.95E-02	5.72E-03	2.62E-06	2.75E-05	2.28E-05	5.77E-03	6.94E-03	6.04E-02	2.51E-03	7.79E-04	7.06E-02
4761	496863.09	3860877.25	0.03455	0.06814	0.0129	0.01049	5.65E-03	5.29E-02	2.51E-03	7.72E-04	6.18E-02	5.57E-03	2.29E-06	2.75E-05	2.26E-05	5.62E-03	6.76E-03	5.29E-02	2.51E-03	7.72E-04	6.29E-02
4762	497363.09	3860877.25	0.03367	0.06418	0.0133	0.01022	5.51E-03	4.98E-02	2.58E-03	7.52E-04	5.86E-02	5.43E-03	2.16E-06	2.83E-05	2.20E-05	5.48E-03	6.59E-03	4.98E-02	2.58E-03	7.52E-04	5.97E-02
4763	497863.09	3860877.25	0.03279	0.05913	0.014	0.01008	5.36E-03	4.59E-02	2.71E-03	7.42E-04	5.47E-02	5.28E-03	1.99E-06	2.97E-05	2.17E-05	5.34E-03	6.42E-03	4.59E-02	2.71E-03	7.42E-04	5.57E-02
4764	498363.09	3860877.25	0.03231	0.05918	0.0136	0.00964	5.28E-03	4.59E-02	2.64E-03	7.10E-04	5.45E-02	5.21E-03	1.99E-06	2.90E-05	2.08E-05	5.26E-03	6.32E-03	4.59E-02	2.64E-03	7.10E-04	5.56E-02
4765	471363.09	3861377.25	0.00902	0.00819	0.0034	0.00281	1.48E-03	6.35E-03	6.55E-04	2.07E-04	8.69E-03	1.45E-03	2.75E-07	7.19E-06	6.05E-06	1.47E-03	1.77E-03	6.35E-03	6.55E-04	2.07E-04	8.98E-03
4766	471863.09	3861377.25	0.0096	0.00859	0.0036	0.00287	1.57E-03	6.66E-03	6.96E-04	2.11E-04	9.14E-03	1.55E-03	2.89E-07	7.63E-06	6.18E-06	1.56E-03	1.88E-03	6.66E-03	6.96E-04	2.11E-04	9.45E-03
4767	472363.09	3861377.25	0.01027	0.009	0.0038	0.00292	1.68E-03	6.98E-03	7.41E-04	2.15E-04	9.62E-03	1.65E-03	3.02E-07	8.12E-06	6.29E-06	1.67E-03	2.01E-03	6.98E-03	7.41E-04	2.15E-04	9.95E-03
4768	472863.09	3861377.25	0.01095	0.00954	0.004	0.00297	1.79E-03	7.40E-03	7.80E-04	2.19E-04	1.02E-02	1.76E-03	3.20E-07	8.55E-06	6.39E-06	1.78E-03	2.14E-03	7.40E-03	7.80E-04	2.19E-04	1.05E-02
4769	473363.09	3861377.25	0.01158	0.01	0.0043	0.00306	1.89E-03	7.76E-03	8.32E-04	2.25E-04	1.07E-02	1.87E-03	3.36E-07	9.12E-06	6.59E-06	1.88E-03	2.27E-03	7.76E-03	8.32E-04	2.25E-04	1.11E-02
4770	473863.09	3861377.25	0.01212	0.01033	0.0046	0.00318	1.98E-03	8.01E-03	8.94E-04	2.34E-04	1.11E-02	1.95E-03	3.47E-07	9.80E-06	6.85E-06	1.97E-03	2.37E-03	8.01E-03	8.94E-04	2.34E-04	1.15E-02
4771	474363.09	3861377.25	0.01256	0.01105	0.0048	0.00326	2.05E-03	8.57E-03	9.35E-04	2.40E-04	1.18E-02	2.02E-03	3.71E-07	1.02E-05	7.02E-06	2.04E-03	2.46E-03	8.57E-03	9.35E-04	2.40E-04	1.22E-02
4772	474863.09	3861377.25	0.01291	0.01127	0.0051	0.00341	2.11E-03	8.74E-03	9.95E-04	2.51E-04	1.21E-02	2.08E-03	3.79E-07	1.09E-05	7.34E-06	2.10E-03	2.53E-03	8.74E-03	9.95E-04	2.51E-04	1.25E-02
4773	475363.09	3861377.25	0.01334	0.01203	0.0053	0.00351	2.18E-03	9.33E-03	1.02E-03	2.58E-04	1.28E-02	2.15E-03	4.04E-07	1.12E-05	7.56E-06	2.17E-03	2.61E-03	9.33E-03	1.02E-03	2.58E-04	1.32E-02
4774	475863.09	3861377.25	0.01375	0.01194	0.0056	0.00386	2.25E-03	9.26E-03	1.09E-03	2.84E-04	1.29E-02	2.22E-03	4.01E-07	1.20E-05	8.31E-06	2.24E-03	2.69E-03	9.26E-03	1.09E-03	2.84E-04	1.33E-02
4775	476363.09	3861377.25	0.01416	0.01132	0.0059	0.0042	2.32E-03	8.78E-03	1.15E-03	3.09E-04	1.26E-02	2.28E-03	3.80E-07	1.26E-05	9.04E-06	2.30E-03	2.77E-03	8.78E-03	1.15E-03	3.09E-04	1.30E-02
4776	476863.09	3861377.25	0.01458	0.01092	0.0062	0.00448	2.38E-03	8.47E-03	1.20E-03	3.30E-04	1.24E-02	2.35E-03	3.67E-07	1.31E-05	9.64E-06	2.37E-03	2.85E-03	8.47E-03	1.20E-03	3.30E-04	1.29E-02
4777	477363.09	3861377.25	0.01501	0.01075	0.0065	0.00472	2.46E-03	8.34E-03	1.26E-03	3.48E-04	1.24E-02	2.42E-03	3.61E-07	1.39E-05	1.02E-05	2.44E-03	2.94E-03	8.34E-03	1.26E-03	3.48E-04	1.29E-02
4778	477863.09	3861377.25	0.01378	0.00806	0.0073	0.00474	2.25E-03	6.25E-03	1.42E-03	3.49E-04	1.03E-02	2.22E-03	2.71E-07	1.56E-05	1.02E-05	2.25E-03	2.70E-03	6.25E-03	1.42E-03	3.49E-04	1.07E-02
4779	478363.09	3861377.25	0.00871	0.00468	0.0063	0.00368	1.42E-03	3.63E-03	1.22E-03	2.71E-04	6.54E-03	1.40E-03	1.57E-07	1.33E-05	7.92E-06	1.42E-03	1.70E-03	3.63E-03	1.22E-03	2.71E-04	6.82E-03
4780	478863.09	3861377.25	0.01063	0.00573	0.0076	0.00416	1.74E-03	4.44E-03	1.46E-03	3.06E-04	7.95E-03	1.71E-03	1.92E-07	1.61E-05	8.96E-06	1.74E-03	2.08E-03	4.45E-03	1.46E-03	3.06E-04	8.30E-03
4781	479363.09	3861377.25	0.01679	0.01275	0.0093	0.00541	2.75E-03	9.89E-03	1.81E-03	3.98E-04	1.48E-02	2.71E-03	4.28E-07	1.99E-05	1.16E-05	2.74E-03	3.29E-03	9.89E-03	1.81E-03	3.98E-04	1.54E-02
4782	479863.09	3861377.25	0.01899	0.01956	0.0069	0.00449	3.11E-03	1.52E-02	1.33E-03	3.31E-04	1.99E-02	3.06E-03	6.57E-07	1.46E-05	9.67E-06	3.08E-03	3.72E-03	1.52E-02	1.33E-03	3.31E-04	2.06E-02
4783	480363.09	3861377.25	0.02044	0.02545	0.0064	0.00434	3.34E-03	1.97E-02	1.24E-03	3.20E-04	2.46E-02	3.29E-03	8.55E-07	1.37E-05	9.34E-06	3.32E-03	4.00E-03	1.97E-02	1.24E-03	3.20E-04	2.53E-02
4784	480863.09	3861377.25	0.02192	0.02888	0.0067	0.00452	3.59E-03	2.24E-02	1.30E-03	3.33E-04	2.76E-02	3.53E-03	9.70E-07	1.43E-05	9.73E-06	3.56E-03	4.29E-03	2.24E-02	1.30E-03	3.33E-04	2.83E-02
4785	481363.09	3861377.25	0.02356	0.03213	0.0072	0.00465	3.85E-03	2.49E-02	1.40E-03	3.42E-04	3.05E-02	3.80E-03	1.08E-06	1.53E-05	1.00E-05	3.82E-03	4.61E-03	2.49E-02	1.40E-03	3.42E-04	3.13E-02
4786	481863.09	3861377.25	0.02524	0.03474	0.0076	0.00483	4.13E-03	2.69E-02	1.47E-03	3.56E-04	3.29E-02	4.07E-03	1.17E-06	1.62E-05	1.04E-05	4.09E-03	4.94E-03	2.69E-02	1.47E-03	3.56E-04	3.37E-02
4787	482363.09	3861377.25	0.0265	0.03767	0.0078	0.00502	4.33E-03	2.92E-02	1.52E-03	3.70E-04	3.54E-02	4.27E-03	1.27E-06	1.67E-05	1.08E-05	4.30E-03	5.19E-03	2.92E-02	1.52E-03	3.70E-04	3.63E-02
4788	482863.09	3861377.25	0.02785	0.04087	0.008	0.00526	4.56E-03	3.17E-02	1.56E-03	3.87E-04	3.82E-02	4.49E-03	1.37E-06	1.71E-05	1.13E-05	4.52E-03	5.45E-03	3.17E-02	1.56E-03	3.87E-04	3.91E-02
4789	483363.09	3861377.25	0.02922	0.04436	0.0083	0.00562	4.78E-03	3.44E-02	1.60E-03	4.14E-04	4.12E-02	4.71E-03	1.49E-06	1.76E-05	1.21E-05	4.74E-03	5.72E-03	3.44E-02	1.60E-03	4.14E-04	4.21E-02
4790	483863.09	3861377.25	0.02977	0.04882	0.0082	0.00593	4.87E-03	3.79E-02	1.58E-03	4.37E-04	4.48E-02	4.80E-03	1.64E-06	1.74E-05	1.28E-05	4.83E-03	5.83E-03	3.79E-02	1.58E-03	4.37E-04	4.57E-02
4791	484363.09	3861377.25	0.03025	0.05398	0.0076	0.00611	4.95E-03	4.19E-02	1.47E-03	4.50E-04	4.87E-02	4.87E-03	1.81E-06	1.61E-05	1.32E-05	4.91E-03	5.92E-03	4.19E-02	1.47E-03	4.50E-04	4.97E-02
4792	484863.09	3861377.25	0.02901	0.06223	0.0067	0.0063	4.74E-03	4.83E-02	1.29E-03	4.64E-04	5.48E-02	4.67E-03	2.09E-06	1.41E-05	1.36E-05	4.70E-03	5.68E-03	4.83E-02	1.29E-03	4.64E-04	5.57E-02
4793	485363.09	3861377.25	0.02764	0.0695	0.0057	0.00636	4.52E-03	5.39E-02	1.11E-03	4.68E-04	6.00E-02	4.45E-03	2.33E-06	1.22E-05	1.37E-05	4.48E-03	5.41E-03	5.39E-02	1.11E-03	4.68E-04	6.09E-02
4794	485863.09	3861377.25	0.02701	0.07788	0.0055	0.0068	4.42E-03	6.04E-02	1.07E-03	5.01E-04	6.64E-02	4.35E-03	2.62E-06	1.17E-05	1.46E-05	4.38E-03	5.29E-03	6.04E-02	1.07E-03	5.01E-04	6.73E-02
4795	486363.09	3861377.25	0.02636	0.08654	0.0055	0.00714	4.31E-03	6.71E-02	1.06E-03	5.26E-04	7.30E-02	4.25E-03	2.91E-06	1.16E-05	1.54E-05	4.28E-03	5.16E-03	6.71E-02	1.06E-03	5.26E-04	7.39E-02
4796	486863.09	3861377.25	0.02629	0.0978	0.0045	0.00767	4.30E-03	7.59E-02	8.71E-04	5.65E-04	8.16E-02	4.24E-03	3.29E-06	9.55E-06	1.65E-05	4.27E-03	5.14E-03	7.59E-02	8.71E-04	5.65E-04	8.24E-02
4797	487363.09	3861377.25	0.02653	0.11105	0.0052	0.00785	4.34E-03	8.61E-02	1.00E-03	5.78E-04	9.21E-02	4.27E-03	3.73E-06	1.10E-05	1.69E-05	4.31E-03	5.19E-03	8.61E-02	1.00E-03	5.78E-04	9.29E-02
4798	487863.09	3861377.25	0.02682	0.11946	0.0066	0.00834	4.39E-03	9.27E-02	1.27E-03	6.14E-04	9.89E-02	4.32E-03	4.01E-06	1.40E-05	1.80E-05	4.36E-03	5.25E-03	9.27E-02	1.27E-03	6.14E-04	9.98E-02
4799	488363.09	3861377.25	0.02637	0.122	0.006	0.00901	4.31E-03	9.46E-02	1.16E-03	6.63E-04	1.01E-01	4.25E-03	4.10E-06	1.27E-05	1.94E-05	4.29E-03	5.16E-03	9.46E-02	1.16E-03	6.63E-04	1.02E-01
4800	488863.09	3861377.25	0.02719	0.12722	0.0045	0.009	4.45E-03	9.87E-02	8.75E-04	6.63E-04	1.05E-01	4.38E-03	4.27E-06	9.59E-06	1.94E-05	4.41E-03	5.32E-03	9.87E-02	8.75E-04	6.63E-04	1.06E-01
4801	489363.09	3861377.25	0.02797	0.13043	0.0042	0.0089	4.57E-03	1.01E-01	8.20E-04	6.55E-04	1.07E-01	4.51E-03	4.38E-06	8.99E-06	1.92E-05	4.54E-03	5.47E-03	1.01E-01	8.20E-04	6.55E-04	1.08E-01
4802	489863.09	3861377.25	0.02857	0.13204	0.0054	0.00901	4.67E-03	1.02E-01	1.04E-03	6.63E-04	1.09E-01	4.60E-03	4.44E-06	1.14E-05	1.94E-05	4.64E-03	5.59E-03	1.02E-01	1.04E-03	6.63E-04	1.10E-01
4803	490363.09	3861377.25	0.02882	0.12878	0.0072	0.00884	4.71E-03	9.99E-02	1.39E-03	6.51E-04	1.07E-01	4.64E-03	4.33E-06	1.52E-05	1.90E-05	4.68E-03	5.64E-03	9.99E-02	1.39E-03	6.51E-04	1.08E-01
4804	490863.09	3861377.25	0.0292	0.12556	0.0075	0.0088	4.78E-03	9.74E-02	1.46E-03	6.48E-04	1.04E-01	4.71E-03	4.22E-06	1.60E-05	1.89E-05	4.74E-03	5.71E-03	9.74E-02	1.46E-03	6.48E-04	1.05E-01
4805	491363.09	3861377.25	0.03062	0.11996	0.0076	0.00872	5.01E-03	9.31E-02	1.47E-03	6.42E-04	1.00E-01	4.93E-03	4.03E-06	1.61E-05	1.88E-05	4.97E-03	5.99E-03	9.31E-02	1.47E-03	6.42E-04	1.01E-01
4806	491863.09	3861377.25	0.03004	0.1142	0.008	0.00874	4.91E-03	8.86E-02	1.56E-03	6.43E-04	9.57E-02	4.84E-03	3.84E-06	1.71E-05	1.88E-05	4.88E-03	5.88E-03	8.86E-02	1.56E-03	6.43E-04	9.67E-02
4807	492363.09	3861377.25	0.02817	0.10893	0.0077	0.00878	4.61E-03	8.45E-02	1.50E-03	6.46E-04	9.13E-02	4.54E-03	3.66E-06	1.65E-05	1.89E-05	4.58E-03	5.51E-03	8.45E-02	1.50E-03	6.46E-04	9.22E-02
4808	492863.09	3861377.25	0.02715	0.10284	0.0076	0.00872	4.44E-03	7.98E-02	1.47E-03	6.42E-04	8.63E-02	4.37E-03	3.45E-06	1.61E-05	1.88E-05	4.41E-03	5.31E-03	7.98E-02	1.47E-03	6.42E-04	8.72E-02
4809	493363.09	3861377.25	0.02711	0.09668	0.0081	0.00865	4.43E-03	7.50E-02	1.56E-03	6.37E-04	8.16E-02	4.37E-03	3.25E-06	1.71E-05	1.86E-05	4.41E-03	5.30E-03	7.50E-02	1.56E-03	6.37E-04	8.25E-02
4810	493863.09	3861377.25	0.02739	0.09055	0.0084	0.00854	4.48E-03	7.02E-02	1.64E-03	6.29E-04	7.70E-02	4.41E-03	3.04E-06	1.79E-05	1.84E-05	4.45E-03	5.36E-03	7.02E-02	1.64E-03	6.29E-04	7.79E-02
4811	494363.09	3861377.25	0.02827	0.08511	0.0084	0.00846	4.62E-03	6.60E-02	1.62E-03	6.23E-04	7.29E-02	4.56E-03	2.86E-06	1.78E-05	1.82E-05	4.59E-03	5.53E-03	6.60E-02	1.62E-03	6.23E-04	7.38E-02
4812	494863.09	3861377.25	0.0296	0.08029	0.0083	0.00842	4.84E-03	6.23E-02	1.61E-03	6.20E-04	6.94E-02	4.77E-03	2.70E-06	1.76E-05	1.81E-05	4.81E-03	5.79E-03	6.23E-02	1.61E-03	6.20E-04	7.03E-02
4813	495363.09	3861377.25	0.03054	0.07577	0.0085	0.00838	5.00E-03	5.88E-02	1.66E-03	6.17E-04	6.60E-02	4.92E-03	2.55E-06	1.82E-05	1.80E-05	4.96E-03	5.98E-03	5.88E-02	1.66E-03	6.17E-04	6.70E-02
4814	495863.09	3861377.25	0.03061	0.07146	0.009	0.0083	5.01E-03	5.54E-02	1.74E-03	6.11E-04	6.28E-02	4.93E-03	2.40E-06	1.91E-05	1.79E-05	4.97E-03	5.99E-03	5.54E-02	1.74E-03	6.11E-04	6.38E-02
4815	496363.09	3861377.25	0.0306	0.06825	0.0096	0.00842	5.00E-03	5.29E-02	1.86E-03	6.20E-04	6.04E-02	4.93E-03	2.29E-06	2.03E-05	1.81E-05	4.97E-03	5.99E-03	5.29E-02	1.86E-03	6.20E-04	6.14E-02

4816	496863.09	3861377.25	0.03056	0.065	0.0104	0.00861	5.00E-03	5.04E-02	2.01E-03	6.34E-04	5.81E-02	4.92E-03	2.18E-06	2.21E-05	1.85E-05	4.97E-03	5.98E-03	5.04E-02	2.01E-03	6.34E-04	5.91E-02
4817	497363.09	3861377.25	0.02985	0.06154	0.0108	0.00844	4.88E-03	4.77E-02	2.09E-03	6.21E-04	5.53E-02	4.81E-03	2.07E-06	2.29E-05	1.82E-05	4.85E-03	5.84E-03	4.77E-02	2.09E-03	6.21E-04	5.63E-02
4818	497863.09	3861377.25	0.02916	0.05843	0.0111	0.00829	4.77E-03	4.53E-02	2.14E-03	6.10E-04	5.28E-02	4.70E-03	1.96E-06	2.35E-05	1.78E-05	4.74E-03	5.71E-03	4.53E-02	2.14E-03	6.10E-04	5.38E-02
4819	498363.09	3861377.25	0.0286	0.05537	0.011	0.00813	4.68E-03	4.30E-02	2.13E-03	5.99E-04	5.04E-02	4.61E-03	1.86E-06	2.34E-05	1.75E-05	4.65E-03	5.60E-03	4.30E-02	2.13E-03	5.99E-04	5.13E-02
4820	471363.09	3861877.25	0.00916	0.00821	0.0039	0.00265	1.50E-03	6.37E-03	7.50E-04	1.95E-04	8.81E-03	1.48E-03	2.76E-07	8.23E-06	5.70E-06	1.49E-03	1.79E-03	6.37E-03	7.50E-04	1.95E-04	9.11E-03
4821	471863.09	3861877.25	0.00971	0.00858	0.0041	0.00271	1.59E-03	6.66E-03	7.89E-04	2.00E-04	9.23E-03	1.56E-03	2.88E-07	8.65E-06	5.83E-06	1.58E-03	1.90E-03	6.66E-03	7.89E-04	2.00E-04	9.54E-03
4822	472363.09	3861877.25	0.01022	0.009	0.0043	0.00277	1.67E-03	6.98E-03	8.28E-04	2.04E-04	9.68E-03	1.65E-03	3.02E-07	9.08E-06	5.96E-06	1.66E-03	2.00E-03	6.98E-03	8.28E-04	2.04E-04	1.00E-02
4823	472863.09	3861877.25	0.01067	0.00951	0.0044	0.00285	1.75E-03	7.38E-03	8.61E-04	2.10E-04	1.02E-02	1.72E-03	3.19E-07	9.44E-06	6.14E-06	1.74E-03	2.09E-03	7.38E-03	8.61E-04	2.10E-04	1.05E-02
4824	473363.09	3861877.25	0.01104	0.01004	0.0046	0.00293	1.81E-03	7.79E-03	8.92E-04	2.16E-04	1.07E-02	1.78E-03	3.37E-07	9.78E-06	6.31E-06	1.80E-03	2.16E-03	7.79E-03	8.92E-04	2.16E-04	1.11E-02
4825	473863.09	3861877.25	0.01135	0.01049	0.0047	0.00304	1.86E-03	8.14E-03	9.19E-04	2.24E-04	1.11E-02	1.83E-03	3.52E-07	1.01E-05	6.54E-06	1.85E-03	2.22E-03	8.14E-03	9.19E-04	2.24E-04	1.15E-02
4826	474363.09	3861877.25	0.01167	0.01103	0.0048	0.00314	1.91E-03	8.56E-03	9.39E-04	2.31E-04	1.16E-02	1.88E-03	3.71E-07	1.03E-05	6.76E-06	1.90E-03	2.28E-03	8.56E-03	9.39E-04	2.31E-04	1.20E-02
4827	474863.09	3861877.25	0.01204	0.01146	0.0049	0.00324	1.97E-03	8.89E-03	9.54E-04	2.39E-04	1.21E-02	1.94E-03	3.85E-07	1.05E-05	6.97E-06	1.96E-03	2.36E-03	8.89E-03	9.54E-04	2.39E-04	1.24E-02
4828	475363.09	3861877.25	0.01248	0.012	0.005	0.00334	2.04E-03	9.31E-03	9.71E-04	2.46E-04	1.26E-02	2.01E-03	4.03E-07	1.07E-05	7.19E-06	2.03E-03	2.44E-03	9.31E-03	9.71E-04	2.46E-04	1.30E-02
4829	475863.09	3861877.25	0.01298	0.0127	0.0051	0.00341	2.12E-03	9.85E-03	9.93E-04	2.51E-04	1.32E-02	2.09E-03	4.27E-07	1.09E-05	7.34E-06	2.11E-03	2.54E-03	9.85E-03	9.93E-04	2.51E-04	1.36E-02
4830	476363.09	3861877.25	0.01347	0.01314	0.0053	0.00355	2.20E-03	1.02E-02	1.03E-03	2.61E-04	1.37E-02	2.17E-03	4.41E-07	1.12E-05	7.64E-06	2.19E-03	2.64E-03	1.02E-02	1.03E-03	2.61E-04	1.41E-02
4831	476863.09	3861877.25	0.0139	0.01304	0.0056	0.00376	2.27E-03	1.01E-02	1.09E-03	2.77E-04	1.38E-02	2.24E-03	4.38E-07	1.20E-05	8.09E-06	2.26E-03	2.72E-03	1.01E-02	1.09E-03	2.77E-04	1.42E-02
4832	477363.09	3861877.25	0.01407	0.01259	0.0062	0.00399	2.30E-03	9.77E-03	1.20E-03	2.94E-04	1.36E-02	2.27E-03	4.23E-07	1.32E-05	8.59E-06	2.29E-03	2.75E-03	9.77E-03	1.20E-03	2.94E-04	1.40E-02
4833	477863.09	3861877.25	0.01262	0.00835	0.0087	0.00482	2.06E-03	6.48E-03	1.69E-03	3.55E-04	1.06E-02	2.03E-03	2.80E-07	1.86E-05	1.04E-05	2.06E-03	2.47E-03	6.48E-03	1.69E-03	3.55E-04	1.10E-02
4834	478363.09	3861877.25	0.0068	0.00386	0.0053	0.00334	1.11E-03	2.99E-03	1.02E-03	2.46E-04	5.38E-03	1.10E-03	1.30E-07	1.12E-05	7.19E-06	1.11E-03	1.33E-03	2.99E-03	1.02E-03	2.46E-04	5.59E-03
4835	478863.09	3861877.25	0.01121	0.00652	0.0066	0.00399	1.83E-03	5.06E-03	1.29E-03	2.94E-04	8.47E-03	1.81E-03	2.19E-07	1.41E-05	8.59E-06	1.83E-03	2.19E-03	5.06E-03	1.29E-03	2.94E-04	8.83E-03
4836	479363.09	3861877.25	0.01077	0.00589	0.0062	0.00391	1.76E-03	4.57E-03	1.20E-03	2.88E-04	7.82E-03	1.74E-03	1.98E-07	1.32E-05	8.42E-06	1.76E-03	2.11E-03	4.57E-03	1.20E-03	2.88E-04	8.16E-03
4837	479863.09	3861877.25	0.01761	0.01841	0.0064	0.00454	2.88E-03	1.43E-02	1.24E-03	3.34E-04	1.87E-02	2.84E-03	6.18E-07	1.35E-05	9.77E-06	2.86E-03	3.45E-03	1.43E-02	1.24E-03	3.34E-04	1.93E-02
4838	480363.09	3861877.25	0.01881	0.02448	0.0064	0.00422	3.08E-03	1.90E-02	1.24E-03	3.11E-04	2.36E-02	3.03E-03	8.22E-07	1.36E-05	9.08E-06	3.05E-03	3.68E-03	1.90E-02	1.24E-03	3.11E-04	2.42E-02
4839	480863.09	3861877.25	0.02004	0.02708	0.0068	0.00438	3.28E-03	2.10E-02	1.31E-03	3.22E-04	2.59E-02	3.23E-03	9.10E-07	1.44E-05	9.43E-06	3.25E-03	3.92E-03	2.10E-02	1.31E-03	3.22E-04	2.66E-02
4840	481363.09	3861877.25	0.02139	0.02946	0.007	0.00448	3.50E-03	2.29E-02	1.35E-03	3.30E-04	2.80E-02	3.45E-03	9.90E-07	1.48E-05	9.64E-06	3.47E-03	4.19E-03	2.29E-02	1.35E-03	3.30E-04	2.87E-02
4841	481863.09	3861877.25	0.02267	0.03143	0.0071	0.00462	3.71E-03	2.44E-02	1.38E-03	3.40E-04	2.98E-02	3.65E-03	1.06E-06	1.51E-05	9.95E-06	3.68E-03	4.44E-03	2.44E-02	1.38E-03	3.40E-04	3.05E-02
4842	482363.09	3861877.25	0.02363	0.03387	0.0073	0.00471	3.86E-03	2.63E-02	1.41E-03	3.47E-04	3.19E-02	3.81E-03	1.14E-06	1.55E-05	1.01E-05	3.83E-03	4.62E-03	2.63E-02	1.41E-03	3.47E-04	3.27E-02
4843	482863.09	3861877.25	0.02466	0.03663	0.0074	0.00491	4.03E-03	2.84E-02	1.44E-03	3.61E-04	3.43E-02	3.97E-03	1.23E-06	1.58E-05	1.06E-05	4.00E-03	4.83E-03	2.84E-02	1.44E-03	3.61E-04	3.50E-02
4844	483363.09	3861877.25	0.02547	0.03969	0.0073	0.00514	4.17E-03	3.08E-02	1.42E-03	3.78E-04	3.68E-02	4.10E-03	1.33E-06	1.56E-05	1.11E-05	4.13E-03	4.98E-03	3.08E-02	1.42E-03	3.78E-04	3.76E-02
4845	483863.09	3861877.25	0.02586	0.04297	0.0067	0.00535	4.23E-03	3.33E-02	1.29E-03	3.94E-04	3.92E-02	4.17E-03	1.44E-06	1.42E-05	1.15E-05	4.19E-03	5.06E-03	3.33E-02	1.29E-03	3.94E-04	4.01E-02
4846	484363.09	3861877.25	0.0256	0.04713	0.0061	0.00556	4.19E-03	3.66E-02	1.17E-03	4.09E-04	4.23E-02	4.12E-03	1.58E-06	1.29E-05	1.20E-05	4.15E-03	5.01E-03	3.66E-02	1.17E-03	4.09E-04	4.32E-02
4847	484863.09	3861877.25	0.0252	0.05187	0.0055	0.00562	4.12E-03	4.02E-02	1.06E-03	4.14E-04	4.58E-02	4.06E-03	1.74E-06	1.17E-05	1.21E-05	4.09E-03	4.93E-03	4.02E-02	1.06E-03	4.14E-04	4.66E-02
4848	485363.09	3861877.25	0.02437	0.05654	0.005	0.0056	3.99E-03	4.39E-02	9.68E-04	4.12E-04	4.92E-02	3.93E-03	1.90E-06	1.06E-05	1.21E-05	3.95E-03	4.77E-03	4.39E-02	9.68E-04	4.12E-04	5.00E-02
4849	485863.09	3861877.25	0.02301	0.06039	0.0056	0.00548	3.76E-03	4.68E-02	1.08E-03	4.03E-04	5.21E-02	3.71E-03	2.03E-06	1.18E-05	1.18E-05	3.73E-03	4.50E-03	4.68E-02	1.08E-03	4.03E-04	5.28E-02
4850	486363.09	3861877.25	0.02254	0.06551	0.0044	0.00558	3.69E-03	5.08E-02	8.55E-04	4.11E-04	5.58E-02	3.63E-03	2.20E-06	9.38E-06	1.20E-05	3.66E-03	4.41E-03	5.08E-02	8.55E-04	4.11E-04	5.65E-02
4851	486863.09	3861877.25	0.02255	0.07127	0.0042	0.00563	3.69E-03	5.53E-02	8.16E-04	4.15E-04	6.02E-02	3.63E-03	2.39E-06	8.95E-06	1.21E-05	3.66E-03	4.41E-03	5.53E-02	8.16E-04	4.15E-04	6.09E-02
4852	487363.09	3861877.25	0.02292	0.07675	0.005	0.00556	3.75E-03	5.95E-02	9.60E-04	4.09E-04	6.47E-02	3.69E-03	2.58E-06	1.05E-05	1.20E-05	3.72E-03	4.48E-03	5.95E-02	9.60E-04	4.09E-04	6.54E-02
4853	487863.09	3861877.25	0.02323	0.07871	0.0062	0.00592	3.80E-03	6.11E-02	1.19E-03	4.36E-04	6.65E-02	3.74E-03	2.64E-06	1.31E-05	1.27E-05	3.77E-03	4.55E-03	6.11E-02	1.19E-03	4.36E-04	6.72E-02
4854	488363.09	3861877.25	0.0227	0.07756	0.0056	0.00625	3.71E-03	6.02E-02	1.09E-03	4.60E-04	6.54E-02	3.66E-03	2.61E-06	1.19E-05	1.35E-05	3.69E-03	4.44E-03	6.02E-02	1.09E-03	4.60E-04	6.62E-02
4855	488863.09	3861877.25	0.02283	0.07828	0.0042	0.00634	3.73E-03	6.07E-02	8.05E-04	4.67E-04	6.57E-02	3.68E-03	2.63E-06	8.82E-06	1.36E-05	3.70E-03	4.47E-03	6.07E-02	8.05E-04	4.67E-04	6.65E-02
4856	489363.09	3861877.25	0.02354	0.08033	0.0037	0.00604	3.85E-03	6.23E-02	7.19E-04	4.45E-04	6.73E-02	3.79E-03	2.70E-06	7.89E-06	1.30E-05	3.82E-03	4.61E-03	6.23E-02	7.19E-04	4.45E-04	6.81E-02
4857	489863.09	3861877.25	0.02399	0.08231	0.0041	0.00641	3.92E-03	6.38E-02	7.91E-04	4.72E-04	6.90E-02	3.87E-03	2.76E-06	8.67E-06	1.38E-05	3.89E-03	4.69E-03	6.39E-02	7.91E-04	4.72E-04	6.98E-02
4858	490363.09	3861877.25	0.02423	0.08191	0.0055	0.00627	3.96E-03	6.35E-02	1.06E-03	4.62E-04	6.90E-02	3.90E-03	2.75E-06	1.16E-05	1.35E-05	3.93E-03	4.74E-03	6.35E-02	1.06E-03	4.62E-04	6.98E-02
4859	490863.09	3861877.25	0.02438	0.08038	0.0066	0.00618	3.99E-03	6.24E-02	1.27E-03	4.55E-04	6.81E-02	3.93E-03	2.70E-06	1.40E-05	1.33E-05	3.96E-03	4.77E-03	6.24E-02	1.27E-03	4.55E-04	6.89E-02
4860	491363.09	3861877.25	0.02481	0.08009	0.0067	0.00614	4.06E-03	6.21E-02	1.29E-03	4.52E-04	6.79E-02	4.00E-03	2.69E-06	1.42E-05	1.32E-05	4.03E-03	4.85E-03	6.21E-02	1.29E-03	4.52E-04	6.87E-02
4861	491863.09	3861877.25	0.02619	0.0798	0.0067	0.00617	4.28E-03	6.19E-02	1.30E-03	4.54E-04	6.79E-02	4.22E-03	2.68E-06	1.43E-05	1.33E-05	4.25E-03	5.12E-03	6.19E-02	1.30E-03	4.54E-04	6.88E-02
4862	492363.09	3861877.25	0.02577	0.07753	0.0071	0.00621	4.21E-03	6.01E-02	1.37E-03	4.57E-04	6.62E-02	4.15E-03	2.60E-06	1.50E-05	1.34E-05	4.18E-03	5.04E-03	6.01E-02	1.37E-03	4.57E-04	6.70E-02
4863	492863.09	3861877.25	0.02427	0.07588	0.0068	0.00632	3.97E-03	5.89E-02	1.33E-03	4.65E-04	6.46E-02	3.91E-03	2.55E-06	1.45E-05	1.36E-05	3.94E-03	4.75E-03	5.89E-02	1.33E-03	4.65E-04	6.54E-02
4864	493363.09	3861877.25	0.02323	0.07399	0.0065	0.0064	3.80E-03	5.74E-02	1.26E-03	4.71E-04	6.29E-02	3.74E-03	2.49E-06	1.38E-05	1.38E-05	3.77E-03	4.55E-03	5.74E-02	1.26E-03	4.71E-04	6.37E-02
4865	493863.09	3861877.25	0.02301	0.07138	0.0067	0.00643	3.76E-03	5.54E-02	1.30E-03	4.73E-04	6.09E-02	3.71E-03	2.40E-06	1.43E-05	1.38E-05	3.74E-03	4.50E-03	5.54E-02	1.30E-03	4.73E-04	6.16E-02
4866	494363.09	3861877.25	0.02308	0.06836	0.0072	0.00642	3.77E-03	5.30E-02	1.39E-03	4.73E-04	5.87E-02	3.72E-03	2.30E-06	1.52E-05	1.38E-05	3.75E-03	4.52E-03	5.30E-02	1.39E-03	4.73E-04	5.94E-02
4867	494863.09	3861877.25	0.02353	0.06567	0.0074	0.00643	3.85E-03	5.09E-02	1.43E-03	4.73E-04	5.67E-02	3.79E-03	2.21E-06	1.56E-05	1.38E-05	3.82E-03	4.60E-03	5.09E-02	1.43E-03	4.73E-04	5.74E-02
4868	495363.09	3861877.25	0.02434	0.0628	0.0072	0.00643	3.98E-03	4.87E-02	1.39E-03	4.73E-04	5.46E-02	3.92E-03	2.11E-06	1.52E-05	1.38E-05	3.95E-03	4.76E-03	4.87E-02	1.39E-03	4.73E-04	5.53E-02
4869	495863.09	3861877.25	0.02531	0.06004	0.007	0.00644	4.14E-03	4.66E-02	1.36E-03	4.74E-04	5.25E-02	4.08E-03	2.02E-06	1.49E-05	1.39E-05	4.11E-03	4.95E-03	4.66E-02	1.36E-03	4.74E-04	5.34E-02
4870	496363.09	3861877.25	0.02607	0.05765	0.0072	0.00648	4.26E-03	4.47E-02	1.39E-03	4.77E-04	5.08E-02	4.20E-03	1.94E-06	1.52E-05	1.39E-05	4.23E-03	5.10E-03	4.47E-02	1.39E-03	4.77E-04	5.17E-02
4871	496863.09	3861877.25	0.02781	0.05578	0.0084	0.0068	4.55E-03	4.33E-02	1.63E-03	5.01E-04	4.99E-02	4.48E-03	1.87E-06	1.79E-05	1.46E-05	4.52E-03	5.44E-03	4.33E-02	1.63E-03	5.01E-04	5.08E-02
4872	497363.09	3861877.25	0.02645	0.05374	0.0081	0.00674	4.33E-03	4.17E-02	1.58E-03	4.96E-04	4.81E-02	4.26E-03	1.81E-06	1.73E-05	1.45E-05	4.30E-03	5.18E-03	4.17E-02	1.58E-03	4.96E-04	4.89E-02
4873	497863.09	3861877.25	0.02554	0.05131	0.0083	0.00666	4.18E-03	3.98E-02	1.61E-03	4.90E-04	4.61E-02	4.12E-03	1.72E-06	1.77E-05	1.43E-05	4.15E-03	5.00E-03	3.98E-02	1.61E-03	4.90E-04	4.69E-02
4874	498363.09	3861877.25	0.02485	0.04924	0.0085	0.00664	4.06E-03	3.82E-02	1.64E-03	4.89E-04	4.44E-02	4.00E-03	1.65E-06	1.80E-05	1.43E-05	4.04E-03	4.86E-03	3.82E-02	1.64E-03	4.89E-04	4.52E-02
4875	471363.09	3862377.25	0.0091	0.00814	0.0041	0.00254	1.49E-03	6.31E-03	8.01E-04	1.87E-04	8.79E-03	1.47E-03	2.73E-07	8.78E-06	5.47E-06	1.48E-03	1.78E-03	6.31E-03	8.01E-04	1.87E-04	9.08E-03
4876	471863.09	3862377.25	0.00947	0.00849	0.0042	0.00263	1.55E-03	6.59E-03	8.22E-04	1.94E-04	9.15E-03	1.53E-03	2.85E-07	9.01E-06	5.66E-06	1.54E-03	1.85E-03	6.59E-03	8.22E-04	1.94E-04	9.45E-03

4877	472363.09	3862377.25	0.00977	0.00898	0.0043	0.0027	1.60E-03	6.97E-03	8.38E-04	1.99E-04	9.60E-03	1.57E-03	3.02E-07	9.19E-06	5.81E-06	1.59E-03	1.91E-03	6.97E-03	8.38E-04	1.99E-04	9.91E-03
4878	472863.09	3862377.25	0.01003	0.00945	0.0044	0.00278	1.64E-03	7.33E-03	8.51E-04	2.05E-04	1.00E-02	1.62E-03	3.17E-07	9.33E-06	5.98E-06	1.63E-03	1.96E-03	7.33E-03	8.51E-04	2.05E-04	1.03E-02
4879	473363.09	3862377.25	0.01028	0.00991	0.0045	0.00288	1.68E-03	7.69E-03	8.65E-04	2.12E-04	1.04E-02	1.66E-03	3.33E-07	9.48E-06	6.20E-06	1.67E-03	2.01E-03	7.69E-03	8.65E-04	2.12E-04	1.08E-02
4880	473863.09	3862377.25	0.01056	0.01036	0.0045	0.00297	1.73E-03	8.04E-03	8.78E-04	2.19E-04	1.09E-02	1.70E-03	3.48E-07	9.63E-06	6.39E-06	1.72E-03	2.07E-03	8.04E-03	8.78E-04	2.19E-04	1.12E-02
4881	474363.09	3862377.25	0.01089	0.01072	0.0046	0.00307	1.78E-03	8.32E-03	8.96E-04	2.26E-04	1.12E-02	1.75E-03	3.60E-07	9.82E-06	6.61E-06	1.77E-03	2.13E-03	8.32E-03	8.96E-04	2.26E-04	1.16E-02
4882	474863.09	3862377.25	0.01128	0.01097	0.0048	0.00318	1.84E-03	8.51E-03	9.21E-04	2.34E-04	1.15E-02	1.82E-03	3.68E-07	1.01E-05	6.85E-06	1.83E-03	2.21E-03	8.51E-03	9.21E-04	2.34E-04	1.19E-02
4883	475363.09	3862377.25	0.01165	0.01174	0.0049	0.00324	1.91E-03	9.11E-03	9.50E-04	2.39E-04	1.22E-02	1.88E-03	3.94E-07	1.04E-05	6.97E-06	1.89E-03	2.28E-03	9.11E-03	9.50E-04	2.39E-04	1.26E-02
4884	475863.09	3862377.25	0.01197	0.01246	0.005	0.00331	1.96E-03	9.67E-03	9.71E-04	2.44E-04	1.28E-02	1.93E-03	4.19E-07	1.07E-05	7.13E-06	1.95E-03	2.34E-03	9.67E-03	9.71E-04	2.44E-04	1.32E-02
4885	476363.09	3862377.25	0.01223	0.01307	0.0051	0.0034	2.00E-03	1.01E-02	9.91E-04	2.50E-04	1.34E-02	1.97E-03	4.39E-07	1.09E-05	7.32E-06	1.99E-03	2.39E-03	1.01E-02	9.91E-04	2.50E-04	1.38E-02
4886	476863.09	3862377.25	0.01241	0.01358	0.0052	0.0035	2.03E-03	1.05E-02	1.00E-03	2.58E-04	1.38E-02	2.00E-03	4.56E-07	1.10E-05	7.53E-06	2.02E-03	2.43E-03	1.05E-02	1.00E-03	2.58E-04	1.42E-02
4887	477363.09	3862377.25	0.0125	0.01346	0.0054	0.0037	2.04E-03	1.04E-02	1.04E-03	2.72E-04	1.38E-02	2.01E-03	4.52E-07	1.14E-05	7.97E-06	2.03E-03	2.45E-03	1.04E-02	1.04E-03	2.72E-04	1.42E-02
4888	477863.09	3862377.25	0.01213	0.00985	0.0073	0.00473	1.98E-03	7.64E-03	1.41E-03	3.48E-04	1.14E-02	1.95E-03	3.31E-07	1.55E-05	1.02E-05	1.98E-03	2.37E-03	7.64E-03	1.41E-03	3.48E-04	1.18E-02
4889	478363.09	3862377.25	0.01111	0.00705	0.0068	0.00431	1.82E-03	5.47E-03	1.31E-03	3.17E-04	8.92E-03	1.79E-03	2.37E-07	1.44E-05	9.28E-06	1.81E-03	2.17E-03	5.47E-03	1.31E-03	3.17E-04	9.28E-03
4890	478863.09	3862377.25	0.01206	0.0077	0.006	0.00395	1.97E-03	5.97E-03	1.17E-03	2.91E-04	9.40E-03	1.94E-03	2.59E-07	1.28E-05	8.50E-06	1.96E-03	2.36E-03	5.97E-03	1.17E-03	2.91E-04	9.79E-03
4891	479363.09	3862377.25	0.01407	0.01002	0.0065	0.00416	2.30E-03	7.77E-03	1.25E-03	3.06E-04	1.16E-02	2.27E-03	3.37E-07	1.37E-05	8.96E-06	2.29E-03	2.75E-03	7.77E-03	1.25E-03	3.06E-04	1.21E-02
4892	479863.09	3862377.25	0.01632	0.01889	0.0061	0.00404	2.67E-03	1.47E-02	1.19E-03	2.97E-04	1.88E-02	2.63E-03	6.35E-07	1.30E-05	8.70E-06	2.65E-03	3.19E-03	1.47E-02	1.19E-03	2.97E-04	1.93E-02
4893	480363.09	3862377.25	0.01729	0.02316	0.0062	0.00409	2.83E-03	1.80E-02	1.21E-03	3.01E-04	2.23E-02	2.79E-03	7.78E-07	1.33E-05	8.80E-06	2.81E-03	3.38E-03	1.80E-02	1.21E-03	3.01E-04	2.29E-02
4894	480863.09	3862377.25	0.01835	0.02523	0.0064	0.00419	3.00E-03	1.96E-02	1.24E-03	3.08E-04	2.41E-02	2.96E-03	8.48E-07	1.36E-05	9.02E-06	2.98E-03	3.59E-03	1.96E-02	1.24E-03	3.08E-04	2.47E-02
4895	481363.09	3862377.25	0.01954	0.02708	0.0065	0.00425	3.20E-03	2.10E-02	1.27E-03	3.13E-04	2.58E-02	3.15E-03	9.10E-07	1.39E-05	9.15E-06	3.17E-03	3.82E-03	2.10E-02	1.27E-03	3.13E-04	2.64E-02
4896	481863.09	3862377.25	0.02042	0.02902	0.0067	0.0043	3.34E-03	2.25E-02	1.29E-03	3.17E-04	2.75E-02	3.29E-03	9.75E-07	1.42E-05	9.26E-06	3.31E-03	4.00E-03	2.25E-02	1.29E-03	3.17E-04	2.81E-02
4897	482363.09	3862377.25	0.02103	0.03107	0.0068	0.00435	3.44E-03	2.41E-02	1.31E-03	3.20E-04	2.92E-02	3.39E-03	1.04E-06	1.44E-05	9.36E-06	3.41E-03	4.12E-03	2.41E-02	1.31E-03	3.20E-04	2.98E-02
4898	482863.09	3862377.25	0.02176	0.03301	0.0065	0.00453	3.56E-03	2.56E-02	1.26E-03	3.34E-04	3.08E-02	3.51E-03	1.11E-06	1.38E-05	9.75E-06	3.53E-03	4.26E-03	2.56E-02	1.26E-03	3.34E-04	3.15E-02
4899	483363.09	3862377.25	0.02245	0.03476	0.006	0.00472	3.67E-03	2.70E-02	1.16E-03	3.48E-04	3.21E-02	3.62E-03	1.17E-06	1.27E-05	1.02E-05	3.64E-03	4.39E-03	2.70E-02	1.16E-03	3.48E-04	3.29E-02
4900	483863.09	3862377.25	0.02236	0.03745	0.0055	0.00493	3.66E-03	2.90E-02	1.06E-03	3.63E-04	3.41E-02	3.60E-03	1.26E-06	1.16E-05	1.06E-05	3.63E-03	4.38E-03	2.91E-02	1.06E-03	3.63E-04	3.48E-02
4901	484363.09	3862377.25	0.02227	0.04006	0.0051	0.00498	3.64E-03	3.11E-02	9.83E-04	3.67E-04	3.61E-02	3.59E-03	1.35E-06	1.08E-05	1.07E-05	3.61E-03	4.36E-03	3.11E-02	9.83E-04	3.67E-04	3.68E-02
4902	484863.09	3862377.25	0.02174	0.0427	0.0045	0.00491	3.56E-03	3.31E-02	8.80E-04	3.61E-04	3.79E-02	3.50E-03	1.43E-06	9.65E-06	1.06E-05	3.52E-03	4.25E-03	3.31E-02	8.80E-04	3.61E-04	3.86E-02
4903	485363.09	3862377.25	0.0211	0.04554	0.0051	0.00474	3.45E-03	3.53E-02	9.93E-04	3.49E-04	4.01E-02	3.40E-03	1.53E-06	1.09E-05	1.02E-05	3.42E-03	4.13E-03	3.53E-02	9.93E-04	3.49E-04	4.08E-02
4904	485863.09	3862377.25	0.02007	0.04855	0.005	0.00456	3.28E-03	3.77E-02	9.66E-04	3.36E-04	4.22E-02	3.23E-03	1.63E-06	1.06E-05	9.82E-06	3.26E-03	3.93E-03	3.77E-02	9.66E-04	3.36E-04	4.29E-02
4905	486363.09	3862377.25	0.01951	0.05221	0.0038	0.00449	3.19E-03	4.05E-02	7.35E-04	3.31E-04	4.48E-02	3.14E-03	1.75E-06	8.06E-06	9.67E-06	3.16E-03	3.82E-03	4.05E-02	7.35E-04	3.31E-04	4.54E-02
4906	486863.09	3862377.25	0.01948	0.05447	0.004	0.00445	3.19E-03	4.23E-02	7.66E-04	3.28E-04	4.65E-02	3.14E-03	1.83E-06	8.40E-06	9.58E-06	3.16E-03	3.81E-03	4.23E-02	7.66E-04	3.28E-04	4.72E-02
4907	487363.09	3862377.25	0.01989	0.05675	0.0048	0.00447	3.25E-03	4.40E-02	9.23E-04	3.29E-04	4.85E-02	3.20E-03	1.91E-06	1.01E-05	9.62E-06	3.23E-03	3.89E-03	4.40E-02	9.23E-04	3.29E-04	4.92E-02
4908	487863.09	3862377.25	0.02037	0.05726	0.0058	0.00474	3.33E-03	4.44E-02	1.12E-03	3.49E-04	4.92E-02	3.28E-03	1.92E-06	1.23E-05	1.02E-05	3.31E-03	3.99E-03	4.44E-02	1.12E-03	3.49E-04	4.99E-02
4909	488363.09	3862377.25	0.01998	0.05565	0.0053	0.00501	3.27E-03	4.32E-02	1.03E-03	3.69E-04	4.78E-02	3.22E-03	1.87E-06	1.12E-05	1.08E-05	3.24E-03	3.91E-03	4.32E-02	1.03E-03	3.69E-04	4.85E-02
4910	488863.09	3862377.25	0.01968	0.05598	0.0039	0.00493	3.22E-03	4.34E-02	7.52E-04	3.63E-04	4.78E-02	3.17E-03	1.88E-06	8.25E-06	1.06E-05	3.19E-03	3.85E-03	4.34E-02	7.52E-04	3.63E-04	4.84E-02
4911	489363.09	3862377.25	0.02031	0.05745	0.0035	0.00472	3.32E-03	4.46E-02	6.81E-04	3.48E-04	4.89E-02	3.27E-03	1.93E-06	7.46E-06	1.02E-05	3.29E-03	3.97E-03	4.46E-02	6.81E-04	3.48E-04	4.96E-02
4912	489863.09	3862377.25	0.02094	0.05877	0.0034	0.00505	3.42E-03	4.56E-02	6.57E-04	3.72E-04	5.00E-02	3.37E-03	1.97E-06	7.21E-06	1.09E-05	3.39E-03	4.10E-03	4.56E-02	6.57E-04	3.72E-04	5.07E-02
4913	490363.09	3862377.25	0.02106	0.06021	0.0042	0.0052	3.44E-03	4.67E-02	8.11E-04	3.83E-04	5.13E-02	3.39E-03	2.02E-06	8.89E-06	1.12E-05	3.42E-03	4.12E-03	4.67E-02	8.11E-04	3.83E-04	5.20E-02
4914	490863.09	3862377.25	0.02146	0.05991	0.0055	0.00507	3.51E-03	4.65E-02	1.06E-03	3.73E-04	5.14E-02	3.46E-03	2.01E-06	1.17E-05	1.09E-05	3.48E-03	4.20E-03	4.65E-02	1.06E-03	3.73E-04	5.21E-02
4915	491363.09	3862377.25	0.02141	0.05845	0.0061	0.00501	3.50E-03	4.53E-02	1.18E-03	3.69E-04	5.04E-02	3.45E-03	1.96E-06	1.29E-05	1.08E-05	3.48E-03	4.19E-03	4.53E-02	1.18E-03	3.69E-04	5.11E-02
4916	491863.09	3862377.25	0.0216	0.05736	0.006	0.00489	3.53E-03	4.45E-02	1.17E-03	3.60E-04	4.96E-02	3.48E-03	1.93E-06	1.28E-05	1.05E-05	3.51E-03	4.23E-03	4.45E-02	1.17E-03	3.60E-04	5.03E-02
4917	492363.09	3862377.25	0.02277	0.05767	0.006	0.00487	3.72E-03	4.47E-02	1.17E-03	3.59E-04	5.00E-02	3.67E-03	1.94E-06	1.28E-05	1.05E-05	3.69E-03	4.46E-03	4.47E-02	1.17E-03	3.59E-04	5.07E-02
4918	492863.09	3862377.25	0.02277	0.05771	0.0064	0.00493	3.72E-03	4.48E-02	1.24E-03	3.63E-04	5.01E-02	3.67E-03	1.94E-06	1.36E-05	1.06E-05	3.70E-03	4.46E-03	4.48E-02	1.24E-03	3.63E-04	5.08E-02
4919	493363.09	3862377.25	0.02154	0.05723	0.0063	0.00501	3.52E-03	4.44E-02	1.21E-03	3.69E-04	4.95E-02	3.47E-03	1.92E-06	1.33E-05	1.08E-05	3.50E-03	4.21E-03	4.44E-02	1.21E-03	3.69E-04	5.02E-02
4920	493863.09	3862377.25	0.02044	0.05651	0.0058	0.00509	3.34E-03	4.38E-02	1.13E-03	3.75E-04	4.87E-02	3.29E-03	1.90E-06	1.24E-05	1.10E-05	3.32E-03	4.00E-03	4.38E-02	1.13E-03	3.75E-04	4.93E-02
4921	494363.09	3862377.25	0.02008	0.05546	0.0058	0.00514	3.28E-03	4.30E-02	1.12E-03	3.78E-04	4.78E-02	3.24E-03	1.86E-06	1.23E-05	1.11E-05	3.26E-03	3.93E-03	4.30E-02	1.12E-03	3.78E-04	4.85E-02
4922	494863.09	3862377.25	0.02012	0.05405	0.0062	0.00517	3.29E-03	4.19E-02	1.20E-03	3.81E-04	4.68E-02	3.24E-03	1.82E-06	1.31E-05	1.11E-05	3.27E-03	3.94E-03	4.19E-02	1.20E-03	3.81E-04	4.74E-02
4923	495363.09	3862377.25	0.02011	0.05191	0.0065	0.00515	3.29E-03	4.03E-02	1.26E-03	3.79E-04	4.52E-02	3.24E-03	1.74E-06	1.38E-05	1.11E-05	3.27E-03	3.94E-03	4.03E-02	1.26E-03	3.79E-04	4.58E-02
4924	495863.09	3862377.25	0.02048	0.05004	0.0065	0.00515	3.35E-03	3.88E-02	1.26E-03	3.79E-04	4.38E-02	3.30E-03	1.68E-06	1.38E-05	1.11E-05	3.33E-03	4.01E-03	3.88E-02	1.26E-03	3.79E-04	4.45E-02
4925	496363.09	3862377.25	0.02117	0.04821	0.0062	0.00515	3.46E-03	3.74E-02	1.21E-03	3.79E-04	4.24E-02	3.41E-03	1.62E-06	1.33E-05	1.11E-05	3.44E-03	4.14E-03	3.74E-02	1.21E-03	3.79E-04	4.31E-02
4926	496863.09	3862377.25	0.02219	0.04702	0.0061	0.00522	3.63E-03	3.65E-02	1.18E-03	3.84E-04	4.17E-02	3.58E-03	1.58E-06	1.30E-05	1.12E-05	3.60E-03	4.34E-03	3.65E-02	1.18E-03	3.84E-04	4.24E-02
4927	497363.09	3862377.25	0.02253	0.04521	0.0061	0.00523	3.69E-03	3.51E-02	1.19E-03	3.85E-04	4.03E-02	3.63E-03	1.52E-06	1.30E-05	1.13E-05	3.66E-03	4.41E-03	3.51E-02	1.19E-03	3.85E-04	4.11E-02
4928	497863.09	3862377.25	0.02252	0.04368	0.0064	0.00527	3.68E-03	3.39E-02	1.24E-03	3.88E-04	3.92E-02	3.63E-03	1.47E-06	1.36E-05	1.13E-05	3.66E-03	4.41E-03	3.39E-02	1.24E-03	3.88E-04	3.99E-02
4929	498363.09	3862377.25	0.02205	0.04208	0.0067	0.00528	3.61E-03	3.26E-02	1.29E-03	3.89E-04	3.79E-02	3.55E-03	1.41E-06	1.42E-05	1.14E-05	3.58E-03	4.31E-03	3.26E-02	1.29E-03	3.89E-04	3.86E-02
4930	471363.09	3862877.25	0.00874	0.00802	0.004	0.00253	1.43E-03	6.22E-03	7.80E-04	1.86E-04	8.62E-03	1.41E-03	2.69E-07	8.55E-06	5.45E-06	1.42E-03	1.71E-03	6.22E-03	7.80E-04	1.86E-04	8.90E-03
4931	471863.09	3862877.25	0.00896	0.00841	0.0041	0.00261	1.47E-03	6.52E-03	7.89E-04	1.92E-04	8.97E-03	1.44E-03	2.83E-07	8.65E-06	5.62E-06	1.46E-03	1.75E-03	6.52E-03	7.89E-04	1.92E-04	9.26E-03
4932	472363.09	3862877.25	0.00916	0.00884	0.0041	0.0027	1.50E-03	6.86E-03	8.03E-04	1.99E-04	9.36E-03	1.48E-03	2.97E-07	8.80E-06	5.81E-06	1.49E-03	1.79E-03	6.86E-03	8.03E-04	1.99E-04	9.65E-03
4933	472863.09	3862877.25	0.00937	0.00922	0.0042	0.00279	1.53E-03	7.15E-03	8.18E-04	2.05E-04	9.71E-03	1.51E-03	3.10E-07	8.97E-06	6.01E-06	1.53E-03	1.83E-03	7.15E-03	8.18E-04	2.05E-04	1.00E-02
4934	473363.09	3862877.25	0.00961	0.00963	0.0043	0.00287	1.57E-03	7.47E-03	8.42E-04	2.11E-04	1.01E-02	1.55E-03	3.23E-07	9.23E-06	6.18E-06	1.56E-03	1.88E-03	7.47E-03	8.42E-04	2.11E-04	1.04E-02
4935	473863.09	3862877.25	0.00989	0.01003	0.0045	0.00294	1.62E-03	7.78E-03	8.65E-04	2.16E-04	1.05E-02	1.59E-03	3.37E-07	9.48E-06	6.33E-06	1.61E-03	1.94E-03	7.78E-03	8.65E-04	2.16E-04	1.08E-02
4936	474363.09	3862877.25	0.01019	0.01042	0.0046	0.00303	1.67E-03	8.08E-03	8.86E-04	2.23E-04	1.09E-02	1.64E-03	3.50E-07	9.72E-06	6.52E-06	1.66E-03	1.99E-03	8.08E-03	8.86E-04	2.23E-04	1.12E-02
4937	474863.09	3862877.25	0.01044	0.01087	0.0047	0.00311	1.71E-03	8.43E-03	9.04E-04	2.29E-04	1.13E-02	1.68E-03	3.65E-07	9.91E-06	6.70E-06	1.70E-03	2.04E-03	8.43E-03	9.04E-04	2.29E-04	1.16E-02

4938	475363.09	3862877.25	0.01062	0.01152	0.0047	0.00317	1.74E-03	8.94E-03	9.04E-04	2.33E-04	1.18E-02	1.71E-03	3.87E-07	9.91E-06	6.82E-06	1.73E-03	2.08E-03	8.94E-03	9.04E-04	2.33E-04	1.22E-02
4939	475863.09	3862877.25	0.01075	0.01217	0.0046	0.00323	1.76E-03	9.44E-03	8.98E-04	2.38E-04	1.23E-02	1.73E-03	4.09E-07	9.84E-06	6.95E-06	1.75E-03	2.10E-03	9.44E-03	8.98E-04	2.38E-04	1.27E-02
4940	476363.09	3862877.25	0.01088	0.01287	0.0046	0.00327	1.78E-03	9.98E-03	8.88E-04	2.41E-04	1.29E-02	1.75E-03	4.32E-07	9.74E-06	7.04E-06	1.77E-03	2.13E-03	9.98E-03	8.88E-04	2.41E-04	1.32E-02
4941	476863.09	3862877.25	0.01112	0.01345	0.0046	0.00333	1.82E-03	1.04E-02	8.94E-04	2.45E-04	1.34E-02	1.79E-03	4.52E-07	9.80E-06	7.17E-06	1.81E-03	2.18E-03	1.04E-02	8.94E-04	2.45E-04	1.37E-02
4942	477363.09	3862877.25	0.01153	0.01388	0.0047	0.00341	1.89E-03	1.08E-02	9.19E-04	2.51E-04	1.38E-02	1.86E-03	4.66E-07	1.01E-05	7.34E-06	1.88E-03	2.26E-03	1.08E-02	9.19E-04	2.51E-04	1.42E-02
4943	477863.09	3862877.25	0.012	0.01272	0.0052	0.00366	1.96E-03	9.87E-03	9.99E-04	2.69E-04	1.31E-02	1.93E-03	4.27E-07	1.09E-05	7.88E-06	1.95E-03	2.35E-03	9.87E-03	9.99E-04	2.69E-04	1.35E-02
4944	478363.09	3862877.25	0.01195	0.00928	0.0057	0.00381	1.95E-03	7.20E-03	1.11E-03	2.81E-04	1.05E-02	1.93E-03	3.12E-07	1.22E-05	8.20E-06	1.95E-03	2.34E-03	7.20E-03	1.11E-03	2.81E-04	1.09E-02
4945	478863.09	3862877.25	0.01275	0.00987	0.006	0.00391	2.09E-03	7.66E-03	1.16E-03	2.88E-04	1.12E-02	2.05E-03	3.32E-07	1.27E-05	8.42E-06	2.08E-03	2.49E-03	7.66E-03	1.16E-03	2.88E-04	1.16E-02
4946	479363.09	3862877.25	0.01342	0.01097	0.0061	0.00392	2.19E-03	8.51E-03	1.18E-03	2.89E-04	1.22E-02	2.16E-03	3.68E-07	1.29E-05	8.44E-06	2.18E-03	2.63E-03	8.51E-03	1.18E-03	2.89E-04	1.26E-02
4947	479863.09	3862877.25	0.01513	0.01987	0.0057	0.0038	2.47E-03	1.54E-02	1.11E-03	2.80E-04	1.93E-02	2.44E-03	6.67E-07	1.22E-05	8.18E-06	2.46E-03	2.96E-03	1.54E-02	1.11E-03	2.80E-04	1.98E-02
4948	480363.09	3862877.25	0.01594	0.02191	0.0059	0.0039	2.61E-03	1.70E-02	1.14E-03	2.87E-04	2.10E-02	2.57E-03	7.36E-07	1.25E-05	8.40E-06	2.59E-03	3.12E-03	1.70E-02	1.14E-03	2.87E-04	2.15E-02
4949	480863.09	3862877.25	0.01699	0.02344	0.006	0.00394	2.78E-03	1.82E-02	1.17E-03	2.90E-04	2.24E-02	2.74E-03	7.87E-07	1.28E-05	8.48E-06	2.76E-03	3.32E-03	1.82E-02	1.17E-03	2.90E-04	2.30E-02
4950	481363.09	3862877.25	0.01786	0.02495	0.0061	0.00396	2.92E-03	1.94E-02	1.18E-03	2.92E-04	2.37E-02	2.88E-03	8.38E-07	1.29E-05	8.52E-06	2.90E-03	3.49E-03	1.94E-02	1.18E-03	2.92E-04	2.43E-02
4951	481863.09	3862877.25	0.01855	0.02585	0.0062	0.00396	3.03E-03	2.01E-02	1.20E-03	2.92E-04	2.46E-02	2.99E-03	8.68E-07	1.32E-05	8.52E-06	3.01E-03	3.63E-03	2.01E-02	1.20E-03	2.92E-04	2.52E-02
4952	482363.09	3862877.25	0.01869	0.02756	0.0058	0.00406	3.06E-03	2.14E-02	1.11E-03	2.99E-04	2.58E-02	3.01E-03	9.26E-07	1.22E-05	8.74E-06	3.03E-03	3.66E-03	2.14E-02	1.11E-03	2.99E-04	2.65E-02
4953	482863.09	3862877.25	0.01939	0.02906	0.0053	0.00419	3.17E-03	2.25E-02	1.03E-03	3.08E-04	2.70E-02	3.12E-03	9.76E-07	1.13E-05	9.02E-06	3.15E-03	3.79E-03	2.25E-02	1.03E-03	3.08E-04	2.77E-02
4954	483363.09	3862877.25	0.01978	0.03069	0.005	0.00435	3.24E-03	2.38E-02	9.64E-04	3.20E-04	2.83E-02	3.19E-03	1.03E-06	1.06E-05	9.36E-06	3.21E-03	3.87E-03	2.38E-02	9.64E-04	3.20E-04	2.90E-02
4955	483863.09	3862877.25	0.0196	0.03235	0.0046	0.00449	3.21E-03	2.51E-02	8.96E-04	3.31E-04	2.95E-02	3.16E-03	1.09E-06	9.82E-06	9.67E-06	3.18E-03	3.84E-03	2.51E-02	8.96E-04	3.31E-04	3.02E-02
4956	484363.09	3862877.25	0.01941	0.03372	0.0042	0.00445	3.17E-03	2.62E-02	8.18E-04	3.28E-04	3.05E-02	3.13E-03	1.13E-06	8.97E-06	9.58E-06	3.15E-03	3.80E-03	2.62E-02	8.18E-04	3.28E-04	3.11E-02
4957	484863.09	3862877.25	0.01914	0.03556	0.0045	0.00429	3.13E-03	2.76E-02	8.76E-04	3.16E-04	3.19E-02	3.08E-03	1.19E-06	9.61E-06	9.24E-06	3.10E-03	3.75E-03	2.76E-02	8.76E-04	3.16E-04	3.25E-02
4958	485363.09	3862877.25	0.01859	0.03803	0.0052	0.00403	3.04E-03	2.95E-02	1.01E-03	2.97E-04	3.38E-02	3.00E-03	1.28E-06	1.11E-05	8.68E-06	3.02E-03	3.64E-03	2.95E-02	1.01E-03	2.97E-04	3.44E-02
4959	485863.09	3862877.25	0.01755	0.04049	0.0041	0.00388	2.87E-03	3.14E-02	7.85E-04	2.86E-04	3.53E-02	2.83E-03	1.36E-06	8.61E-06	8.35E-06	2.85E-03	3.43E-03	3.14E-02	7.85E-04	2.86E-04	3.59E-02
4960	486363.09	3862877.25	0.01721	0.04286	0.0036	0.00382	2.81E-03	3.32E-02	6.90E-04	2.81E-04	3.70E-02	2.77E-03	1.44E-06	7.57E-06	8.22E-06	2.79E-03	3.37E-03	3.32E-02	6.90E-04	2.81E-04	3.76E-02
4961	486863.09	3862877.25	0.01701	0.04296	0.0037	0.0038	2.78E-03	3.33E-02	7.17E-04	2.80E-04	3.71E-02	2.74E-03	1.44E-06	7.87E-06	8.18E-06	2.76E-03	3.33E-03	3.33E-02	7.17E-04	2.80E-04	3.77E-02
4962	487363.09	3862877.25	0.01743	0.04392	0.0046	0.00379	2.85E-03	3.41E-02	8.88E-04	2.79E-04	3.81E-02	2.81E-03	1.48E-06	9.74E-06	8.16E-06	2.83E-03	3.41E-03	3.41E-02	8.88E-04	2.79E-04	3.86E-02
4963	487863.09	3862877.25	0.01798	0.04416	0.0054	0.00403	2.94E-03	3.43E-02	1.05E-03	2.97E-04	3.85E-02	2.90E-03	1.48E-06	1.15E-05	8.68E-06	2.92E-03	3.52E-03	3.43E-02	1.05E-03	2.97E-04	3.91E-02
4964	488363.09	3862877.25	0.01788	0.0429	0.005	0.00426	2.92E-03	3.33E-02	9.71E-04	3.14E-04	3.75E-02	2.88E-03	1.44E-06	1.07E-05	9.17E-06	2.90E-03	3.50E-03	3.33E-02	9.71E-04	3.14E-04	3.81E-02
4965	488863.09	3862877.25	0.01731	0.04289	0.0037	0.00404	2.83E-03	3.33E-02	7.08E-04	2.97E-04	3.71E-02	2.79E-03	1.44E-06	7.76E-06	8.70E-06	2.81E-03	3.39E-03	3.33E-02	7.08E-04	2.97E-04	3.77E-02
4966	489363.09	3862877.25	0.01751	0.04387	0.0034	0.00396	2.86E-03	3.40E-02	6.52E-04	2.92E-04	3.78E-02	2.82E-03	1.47E-06	7.14E-06	8.52E-06	2.84E-03	3.43E-03	3.40E-02	6.52E-04	2.92E-04	3.84E-02
4967	489863.09	3862877.25	0.01825	0.04457	0.003	0.00414	2.98E-03	3.46E-02	5.84E-04	3.05E-04	3.84E-02	2.94E-03	1.50E-06	6.40E-06	8.91E-06	2.96E-03	3.57E-03	3.46E-02	5.84E-04	3.05E-04	3.90E-02
4968	490363.09	3862877.25	0.01849	0.04556	0.0033	0.0044	3.02E-03	3.53E-02	6.46E-04	3.24E-04	3.93E-02	2.98E-03	1.53E-06	7.08E-06	9.47E-06	3.00E-03	3.62E-03	3.53E-02	6.46E-04	3.24E-04	3.99E-02
4969	490863.09	3862877.25	0.01857	0.04661	0.0043	0.0044	3.04E-03	3.62E-02	8.34E-04	3.24E-04	4.04E-02	2.99E-03	1.57E-06	9.14E-06	9.47E-06	3.01E-03	3.63E-03	3.62E-02	8.34E-04	3.24E-04	4.09E-02
4970	491363.09	3862877.25	0.01917	0.0468	0.0054	0.00437	3.14E-03	3.63E-02	1.04E-03	3.22E-04	4.08E-02	3.09E-03	1.57E-06	1.14E-05	9.41E-06	3.11E-03	3.75E-03	3.63E-02	1.04E-03	3.22E-04	4.14E-02
4971	491863.09	3862877.25	0.0188	0.04518	0.0056	0.00428	3.07E-03	3.50E-02	1.09E-03	3.15E-04	3.95E-02	3.03E-03	1.52E-06	1.19E-05	9.21E-06	3.05E-03	3.68E-03	3.50E-02	1.09E-03	3.15E-04	4.01E-02
4972	492363.09	3862877.25	0.01911	0.04416	0.0055	0.00417	3.13E-03	3.43E-02	1.07E-03	3.07E-04	3.88E-02	3.08E-03	1.48E-06	1.17E-05	8.98E-06	3.10E-03	3.74E-03	3.43E-02	1.07E-03	3.07E-04	3.94E-02
4973	492863.09	3862877.25	0.02009	0.0441	0.0055	0.0041	3.29E-03	3.42E-02	1.07E-03	3.02E-04	3.89E-02	3.24E-03	1.48E-06	1.17E-05	8.83E-06	3.26E-03	3.93E-03	3.42E-02	1.07E-03	3.02E-04	3.95E-02
4974	493363.09	3862877.25	0.02026	0.04466	0.0059	0.00414	3.31E-03	3.46E-02	1.14E-03	3.05E-04	3.94E-02	3.26E-03	1.50E-06	1.25E-05	8.91E-06	3.29E-03	3.96E-03	3.46E-02	1.14E-03	3.05E-04	4.01E-02
4975	493863.09	3862877.25	0.01939	0.04507	0.0058	0.00423	3.17E-03	3.50E-02	1.13E-03	3.11E-04	3.96E-02	3.12E-03	1.51E-06	1.24E-05	9.11E-06	3.15E-03	3.79E-03	3.50E-02	1.13E-03	3.11E-04	4.02E-02
4976	494363.09	3862877.25	0.01832	0.04494	0.0054	0.00428	3.00E-03	3.49E-02	1.04E-03	3.15E-04	3.92E-02	2.95E-03	1.51E-06	1.14E-05	9.21E-06	2.97E-03	3.58E-03	3.49E-02	1.04E-03	3.15E-04	3.98E-02
4977	494863.09	3862877.25	0.01771	0.04432	0.0051	0.00429	2.90E-03	3.44E-02	9.93E-04	3.16E-04	3.86E-02	2.85E-03	1.49E-06	1.09E-05	9.24E-06	2.88E-03	3.47E-03	3.44E-02	9.93E-04	3.16E-04	3.92E-02
4978	495363.09	3862877.25	0.01764	0.04364	0.0053	0.00431	2.89E-03	3.39E-02	1.04E-03	3.17E-04	3.81E-02	2.84E-03	1.47E-06	1.14E-05	9.28E-06	2.86E-03	3.45E-03	3.39E-02	1.04E-03	3.17E-04	3.87E-02
4979	495863.09	3862877.25	0.01769	0.04268	0.0057	0.00432	2.89E-03	3.31E-02	1.11E-03	3.18E-04	3.74E-02	2.85E-03	1.43E-06	1.22E-05	9.30E-06	2.87E-03	3.46E-03	3.31E-02	1.11E-03	3.18E-04	3.80E-02
4980	496363.09	3862877.25	0.01782	0.04144	0.006	0.00432	2.91E-03	3.21E-02	1.15E-03	3.18E-04	3.65E-02	2.87E-03	1.39E-06	1.27E-05	9.30E-06	2.89E-03	3.49E-03	3.21E-02	1.15E-03	3.18E-04	3.71E-02
4981	496863.09	3862877.25	0.01821	0.0401	0.0058	0.00432	2.98E-03	3.11E-02	1.13E-03	3.18E-04	3.55E-02	2.93E-03	1.35E-06	1.24E-05	9.30E-06	2.96E-03	3.56E-03	3.11E-02	1.13E-03	3.18E-04	3.61E-02
4982	497363.09	3862877.25	0.01879	0.03871	0.0055	0.00431	3.07E-03	3.00E-02	1.07E-03	3.17E-04	3.45E-02	3.03E-03	1.30E-06	1.18E-05	9.28E-06	3.05E-03	3.68E-03	3.00E-02	1.07E-03	3.17E-04	3.51E-02
4983	497863.09	3862877.25	0.01938	0.03753	0.0053	0.00433	3.17E-03	2.91E-02	1.03E-03	3.19E-04	3.36E-02	3.12E-03	1.26E-06	1.13E-05	9.32E-06	3.14E-03	3.79E-03	2.91E-02	1.03E-03	3.19E-04	3.43E-02
4984	498363.09	3862877.25	0.01979	0.03659	0.0054	0.00438	3.24E-03	2.84E-02	1.04E-03	3.22E-04	3.30E-02	3.19E-03	1.23E-06	1.14E-05	9.43E-06	3.21E-03	3.87E-03	2.84E-02	1.04E-03	3.22E-04	3.36E-02
4985	471363.09	3863377.25	0.00824	0.00795	0.0039	0.00256	1.35E-03	6.17E-03	7.52E-04	1.88E-04	8.46E-03	1.33E-03	2.67E-07	8.25E-06	5.51E-06	1.34E-03	1.61E-03	6.17E-03	7.52E-04	1.88E-04	8.72E-03
4986	471863.09	3863377.25	0.00841	0.00828	0.004	0.00264	1.38E-03	6.42E-03	7.72E-04	1.94E-04	8.76E-03	1.36E-03	2.78E-07	8.46E-06	5.68E-06	1.37E-03	1.65E-03	6.42E-03	7.72E-04	1.94E-04	9.03E-03
4987	472363.09	3863377.25	0.00859	0.00863	0.0041	0.00272	1.40E-03	6.69E-03	7.93E-04	2.00E-04	9.09E-03	1.38E-03	2.90E-07	8.70E-06	5.86E-06	1.40E-03	1.68E-03	6.69E-03	7.93E-04	2.00E-04	9.37E-03
4988	472863.09	3863377.25	0.00879	0.00899	0.0042	0.00279	1.44E-03	6.97E-03	8.16E-04	2.05E-04	9.43E-03	1.42E-03	3.02E-07	8.95E-06	6.01E-06	1.43E-03	1.72E-03	6.97E-03	8.16E-04	2.05E-04	9.72E-03
4989	473363.09	3863377.25	0.009	0.00938	0.0043	0.00285	1.47E-03	7.28E-03	8.32E-04	2.10E-04	9.79E-03	1.45E-03	3.15E-07	9.12E-06	6.14E-06	1.47E-03	1.76E-03	7.28E-03	8.32E-04	2.10E-04	1.01E-02
4990	473863.09	3863377.25	0.00918	0.00977	0.0043	0.00291	1.50E-03	7.58E-03	8.36E-04	2.14E-04	1.01E-02	1.48E-03	3.28E-07	9.16E-06	6.26E-06	1.49E-03	1.80E-03	7.58E-03	8.36E-04	2.14E-04	1.04E-02
4991	474363.09	3863377.25	0.00932	0.01018	0.0043	0.00298	1.52E-03	7.90E-03	8.32E-04	2.19E-04	1.05E-02	1.50E-03	3.42E-07	9.12E-06	6.42E-06	1.52E-03	1.82E-03	7.90E-03	8.32E-04	2.19E-04	1.08E-02
4992	474863.09	3863377.25	0.0094	0.01076	0.0043	0.00303	1.54E-03	8.35E-03	8.26E-04	2.23E-04	1.09E-02	1.51E-03	3.61E-07	9.06E-06	6.52E-06	1.53E-03	1.84E-03	8.35E-03	8.26E-04	2.23E-04	1.12E-02
4993	475363.09	3863377.25	0.00952	0.01131	0.0042	0.00306	1.56E-03	8.77E-03	8.16E-04	2.25E-04	1.14E-02	1.53E-03	3.80E-07	8.95E-06	6.59E-06	1.55E-03	1.86E-03	8.77E-03	8.16E-04	2.25E-04	1.17E-02
4994	475863.09	3863377.25	0.00969	0.01193	0.0042	0.00308	1.58E-03	9.25E-03	8.20E-04	2.27E-04	1.19E-02	1.56E-03	4.01E-07	8.99E-06	6.63E-06	1.58E-03	1.90E-03	9.25E-03	8.20E-04	2.27E-04	1.22E-02
4995	476363.09	3863377.25	0.00993	0.01269	0.0044	0.0031	1.62E-03	9.84E-03	8.45E-04	2.28E-04	1.25E-02	1.60E-03	4.26E-07	9.27E-06	6.67E-06	1.62E-03	1.94E-03	9.84E-03	8.45E-04	2.28E-04	1.29E-02
4996	476863.09	3863377.25	0.01032	0.01345	0.0046	0.00312	1.69E-03	1.04E-02	8.92E-04	2.30E-04	1.32E-02	1.66E-03	4.52E-07	9.78E-06	6.72E-06	1.68E-03	2.02E-03	1.04E-02	8.92E-04	2.30E-04	1.36E-02
4997	477363.09	3863377.25	0.01089	0.01409	0.0049	0.00318	1.78E-03	1.09E-02	9.40E-04	2.34E-04	1.39E-02	1.75E-03	4.73E-07	1.03E-05	6.85E-06	1.77E-03	2.13E-03	1.09E-02	9.40E-04	2.34E-04	1.42E-02
4998	477863.09	3863377.25	0.01157	0.01422	0.0051	0.00331	1.89E-03	1.10E-02	9.83E-04	2.44E-04	1.41E-02	1.86E-03	4.78E-07	1.08E-05	7.13E-06	1.88E-03	2.26E-03	1.10E-02	9.83E-04	2.44E-04	1.45E-02

4999	478363.09	3863377.25	0.01209	0.01262	0.0053	0.00355	1.98E-03	9.79E-03	1.03E-03	2.61E-04	1.31E-02	1.95E-03	4.24E-07	1.13E-05	7.64E-06	1.97E-03	2.37E-03	9.79E-03	1.03E-03	2.61E-04	1.34E-02
5000	478863.09	3863377.25	0.01265	0.01402	0.0054	0.00357	2.07E-03	1.09E-02	1.04E-03	2.63E-04	1.42E-02	2.04E-03	4.71E-07	1.14E-05	7.69E-06	2.06E-03	2.48E-03	1.09E-02	1.04E-03	2.63E-04	1.47E-02
5001	479363.09	3863377.25	0.01337	0.01693	0.0054	0.00354	2.19E-03	1.31E-02	1.05E-03	2.61E-04	1.66E-02	2.15E-03	5.69E-07	1.15E-05	7.62E-06	2.17E-03	2.62E-03	1.31E-02	1.05E-03	2.61E-04	1.71E-02
5002	479863.09	3863377.25	0.01396	0.01926	0.0055	0.00362	2.28E-03	1.49E-02	1.06E-03	2.67E-04	1.86E-02	2.25E-03	6.47E-07	1.17E-05	7.79E-06	2.27E-03	2.73E-03	1.49E-02	1.06E-03	2.67E-04	1.90E-02
5003	480363.09	3863377.25	0.01479	0.02042	0.0055	0.00371	2.42E-03	1.58E-02	1.07E-03	2.73E-04	1.96E-02	2.38E-03	6.86E-07	1.17E-05	7.99E-06	2.40E-03	2.89E-03	1.58E-02	1.07E-03	2.73E-04	2.01E-02
5004	480863.09	3863377.25	0.01573	0.02139	0.0056	0.0037	2.57E-03	1.66E-02	1.09E-03	2.72E-04	2.05E-02	2.53E-03	7.19E-07	1.20E-05	7.97E-06	2.56E-03	3.08E-03	1.66E-02	1.09E-03	2.72E-04	2.10E-02
5005	481363.09	3863377.25	0.01621	0.02235	0.0055	0.0037	2.65E-03	1.73E-02	1.06E-03	2.72E-04	2.13E-02	2.61E-03	7.51E-07	1.17E-05	7.97E-06	2.63E-03	3.17E-03	1.73E-02	1.06E-03	2.72E-04	2.18E-02
5006	481863.09	3863377.25	0.01641	0.02338	0.0052	0.00371	2.68E-03	1.81E-02	1.00E-03	2.73E-04	2.21E-02	2.64E-03	7.85E-07	1.10E-05	7.99E-06	2.66E-03	3.21E-03	1.81E-02	1.00E-03	2.73E-04	2.26E-02
5007	482363.09	3863377.25	0.01678	0.02456	0.0048	0.00377	2.74E-03	1.91E-02	9.21E-04	2.78E-04	2.30E-02	2.70E-03	8.25E-07	1.01E-05	8.12E-06	2.72E-03	3.28E-03	1.91E-02	9.21E-04	2.78E-04	2.35E-02
5008	482863.09	3863377.25	0.01732	0.02571	0.0045	0.00388	2.83E-03	1.99E-02	8.67E-04	2.86E-04	2.39E-02	2.79E-03	8.64E-07	9.50E-06	8.35E-06	2.81E-03	3.39E-03	1.99E-02	8.67E-04	2.86E-04	2.45E-02
5009	483363.09	3863377.25	0.01743	0.02677	0.0042	0.00401	2.85E-03	2.08E-02	8.20E-04	2.95E-04	2.47E-02	2.81E-03	8.99E-07	8.99E-06	8.63E-06	2.83E-03	3.41E-03	2.08E-02	8.20E-04	2.95E-04	2.53E-02
5010	483863.09	3863377.25	0.01721	0.02782	0.0039	0.00406	2.81E-03	2.16E-02	7.52E-04	2.99E-04	2.54E-02	2.77E-03	9.35E-07	8.25E-06	8.74E-06	2.79E-03	3.37E-03	2.16E-02	7.52E-04	2.99E-04	2.60E-02
5011	484363.09	3863377.25	0.01706	0.02902	0.004	0.00396	2.79E-03	2.25E-02	7.72E-04	2.92E-04	2.64E-02	2.75E-03	9.75E-07	8.46E-06	8.52E-06	2.77E-03	3.34E-03	2.25E-02	7.72E-04	2.92E-04	2.69E-02
5012	484863.09	3863377.25	0.01716	0.03063	0.0049	0.00376	2.81E-03	2.38E-02	9.58E-04	2.77E-04	2.78E-02	2.77E-03	1.03E-06	1.05E-05	8.09E-06	2.78E-03	3.36E-03	2.38E-02	9.58E-04	2.77E-04	2.84E-02
5013	485363.09	3863377.25	0.01641	0.03243	0.0046	0.0035	2.68E-03	2.52E-02	8.90E-04	2.58E-04	2.90E-02	2.64E-03	1.09E-06	9.76E-06	7.53E-06	2.66E-03	3.21E-03	2.52E-02	8.90E-04	2.58E-04	2.95E-02
5014	485863.09	3863377.25	0.01556	0.03441	0.0034	0.0034	2.55E-03	2.67E-02	6.61E-04	2.50E-04	3.01E-02	2.51E-03	1.16E-06	7.25E-06	7.32E-06	2.52E-03	3.04E-03	2.67E-02	6.61E-04	2.50E-04	3.06E-02
5015	486363.09	3863377.25	0.01519	0.03537	0.0034	0.00344	2.48E-03	2.74E-02	6.61E-04	2.53E-04	3.08E-02	2.45E-03	1.19E-06	7.25E-06	7.41E-06	2.46E-03	2.97E-03	2.74E-02	6.61E-04	2.53E-04	3.13E-02
5016	486863.09	3863377.25	0.01507	0.03506	0.0035	0.00334	2.46E-03	2.72E-02	6.83E-04	2.46E-04	3.06E-02	2.43E-03	1.18E-06	7.48E-06	7.19E-06	2.44E-03	2.95E-03	2.72E-02	6.83E-04	2.46E-04	3.11E-02
5017	487363.09	3863377.25	0.01544	0.03525	0.0044	0.00334	2.53E-03	2.73E-02	8.61E-04	2.46E-04	3.10E-02	2.49E-03	1.18E-06	9.44E-06	7.19E-06	2.51E-03	3.02E-03	2.73E-02	8.61E-04	2.46E-04	3.15E-02
5018	487863.09	3863377.25	0.01598	0.03536	0.0051	0.00354	2.61E-03	2.74E-02	9.91E-04	2.61E-04	3.13E-02	2.57E-03	1.19E-06	1.09E-05	7.62E-06	2.59E-03	3.13E-03	2.74E-02	9.91E-04	2.61E-04	3.18E-02
5019	488363.09	3863377.25	0.01606	0.03453	0.0047	0.00372	2.63E-03	2.68E-02	9.15E-04	2.74E-04	3.06E-02	2.59E-03	1.16E-06	1.00E-05	8.01E-06	2.61E-03	3.14E-03	2.68E-02	9.15E-04	2.74E-04	3.11E-02
5020	488863.09	3863377.25	0.01553	0.03427	0.0035	0.00349	2.54E-03	2.66E-02	6.69E-04	2.57E-04	3.00E-02	2.50E-03	1.15E-06	7.34E-06	7.51E-06	2.52E-03	3.04E-03	2.66E-02	6.69E-04	2.57E-04	3.05E-02
5021	489363.09	3863377.25	0.0153	0.035	0.0032	0.00344	2.50E-03	2.71E-02	6.21E-04	2.53E-04	3.05E-02	2.47E-03	1.18E-06	6.80E-06	7.41E-06	2.48E-03	2.99E-03	2.72E-02	6.21E-04	2.53E-04	3.10E-02
5022	489863.09	3863377.25	0.01585	0.03554	0.0028	0.0035	2.59E-03	2.76E-02	5.51E-04	2.58E-04	3.10E-02	2.55E-03	1.19E-06	6.04E-06	7.53E-06	2.57E-03	3.10E-03	2.76E-02	5.51E-04	2.58E-04	3.15E-02
5023	490363.09	3863377.25	0.01641	0.03591	0.0028	0.00376	2.68E-03	2.79E-02	5.47E-04	2.77E-04	3.14E-02	2.64E-03	1.21E-06	6.00E-06	8.09E-06	2.66E-03	3.21E-03	2.79E-02	5.47E-04	2.77E-04	3.19E-02
5024	490863.09	3863377.25	0.01643	0.03692	0.0034	0.00391	2.69E-03	2.86E-02	6.61E-04	2.88E-04	3.23E-02	2.65E-03	1.24E-06	7.25E-06	8.42E-06	2.66E-03	3.22E-03	2.86E-02	6.61E-04	2.88E-04	3.28E-02
5025	491363.09	3863377.25	0.01659	0.03758	0.0044	0.00385	2.71E-03	2.92E-02	8.47E-04	2.83E-04	3.30E-02	2.67E-03	1.26E-06	9.29E-06	8.29E-06	2.69E-03	3.25E-03	2.92E-02	8.47E-04	2.83E-04	3.35E-02
5026	491863.09	3863377.25	0.01691	0.03765	0.005	0.00381	2.77E-03	2.92E-02	9.75E-04	2.81E-04	3.32E-02	2.72E-03	1.26E-06	1.07E-05	8.20E-06	2.74E-03	3.31E-03	2.92E-02	9.75E-04	2.81E-04	3.38E-02
5027	492363.09	3863377.25	0.01691	0.03694	0.0053	0.00385	2.77E-03	2.87E-02	1.02E-03	2.83E-04	3.27E-02	2.72E-03	1.24E-06	1.12E-05	8.29E-06	2.75E-03	3.31E-03	2.87E-02	1.02E-03	2.83E-04	3.33E-02
5028	492863.09	3863377.25	0.01755	0.03606	0.0053	0.00387	2.87E-03	2.80E-02	1.04E-03	2.85E-04	3.22E-02	2.83E-03	1.21E-06	1.14E-05	8.33E-06	2.85E-03	3.43E-03	2.80E-02	1.04E-03	2.85E-04	3.27E-02
5029	493363.09	3863377.25	0.01873	0.03547	0.0056	0.00374	3.06E-03	2.75E-02	1.09E-03	2.75E-04	3.19E-02	3.02E-03	1.19E-06	1.19E-05	8.05E-06	3.04E-03	3.67E-03	2.75E-02	1.09E-03	2.75E-04	3.25E-02
5030	493863.09	3863377.25	0.01888	0.03587	0.006	0.00375	3.09E-03	2.78E-02	1.16E-03	2.76E-04	3.23E-02	3.04E-03	1.20E-06	1.27E-05	8.07E-06	3.06E-03	3.69E-03	2.78E-02	1.16E-03	2.76E-04	3.30E-02
5031	494363.09	3863377.25	0.0179	0.03661	0.0057	0.00383	2.93E-03	2.84E-02	1.10E-03	2.82E-04	3.27E-02	2.88E-03	1.23E-06	1.21E-05	8.25E-06	2.91E-03	3.50E-03	2.84E-02	1.10E-03	2.82E-04	3.33E-02
5032	494863.09	3863377.25	0.01694	0.03697	0.0053	0.00391	2.77E-03	2.87E-02	1.02E-03	2.88E-04	3.28E-02	2.73E-03	1.24E-06	1.12E-05	8.42E-06	2.75E-03	3.31E-03	2.87E-02	1.02E-03	2.88E-04	3.33E-02
5033	495363.09	3863377.25	0.0165	0.03697	0.0051	0.00395	2.70E-03	2.87E-02	9.79E-04	2.91E-04	3.26E-02	2.66E-03	1.24E-06	1.07E-05	8.50E-06	2.68E-03	3.23E-03	2.87E-02	9.79E-04	2.91E-04	3.32E-02
5034	495863.09	3863377.25	0.01647	0.03682	0.0052	0.00396	2.69E-03	2.86E-02	1.01E-03	2.92E-04	3.26E-02	2.65E-03	1.24E-06	1.11E-05	8.52E-06	2.67E-03	3.22E-03	2.86E-02	1.01E-03	2.92E-04	3.31E-02
5035	496363.09	3863377.25	0.01597	0.03621	0.0051	0.0038	2.61E-03	2.81E-02	9.95E-04	2.80E-04	3.20E-02	2.57E-03	1.22E-06	1.09E-05	8.18E-06	2.59E-03	3.13E-03	2.81E-02	9.95E-04	2.80E-04	3.25E-02
5036	496863.09	3863377.25	0.01571	0.03486	0.0054	0.00372	2.57E-03	2.70E-02	1.04E-03	2.74E-04	3.09E-02	2.53E-03	1.17E-06	1.14E-05	8.01E-06	2.55E-03	3.07E-03	2.70E-02	1.04E-03	2.74E-04	3.14E-02
5037	497363.09	3863377.25	0.01586	0.03394	0.0054	0.00371	2.59E-03	2.63E-02	1.05E-03	2.73E-04	3.02E-02	2.56E-03	1.14E-06	1.16E-05	7.99E-06	2.58E-03	3.10E-03	2.63E-02	1.05E-03	2.73E-04	3.08E-02
5038	497863.09	3863377.25	0.01631	0.03304	0.0053	0.00371	2.67E-03	2.56E-02	1.02E-03	2.73E-04	2.96E-02	2.63E-03	1.11E-06	1.12E-05	7.99E-06	2.65E-03	3.19E-03	2.56E-02	1.02E-03	2.73E-04	3.01E-02
5039	498363.09	3863377.25	0.01687	0.03208	0.005	0.00372	2.76E-03	2.49E-02	9.62E-04	2.74E-04	2.89E-02	2.72E-03	1.08E-06	1.05E-05	8.01E-06	2.74E-03	3.30E-03	2.49E-02	9.62E-04	2.74E-04	2.94E-02
5040	471363.09	3863877.25	0.00774	0.00782	0.0039	0.00258	1.27E-03	6.07E-03	7.54E-04	1.90E-04	8.28E-03	1.25E-03	2.63E-07	8.27E-06	5.55E-06	1.26E-03	1.51E-03	6.07E-03	7.54E-04	1.90E-04	8.53E-03
5041	471863.09	3863877.25	0.00791	0.00803	0.004	0.00265	1.29E-03	6.23E-03	7.70E-04	1.95E-04	8.49E-03	1.27E-03	2.70E-07	8.44E-06	5.70E-06	1.29E-03	1.55E-03	6.23E-03	7.70E-04	1.95E-04	8.74E-03
5042	472363.09	3863877.25	0.00805	0.00836	0.004	0.0027	1.32E-03	6.48E-03	7.80E-04	1.99E-04	8.78E-03	1.30E-03	2.81E-07	8.55E-06	5.81E-06	1.31E-03	1.58E-03	6.49E-03	7.80E-04	1.99E-04	9.04E-03
5043	472863.09	3863877.25	0.00818	0.0087	0.004	0.00275	1.34E-03	6.75E-03	7.78E-04	2.02E-04	9.07E-03	1.32E-03	2.92E-07	8.53E-06	5.92E-06	1.33E-03	1.60E-03	6.75E-03	7.78E-04	2.02E-04	9.33E-03
5044	473363.09	3863877.25	0.00826	0.00912	0.004	0.0028	1.35E-03	7.07E-03	7.74E-04	2.06E-04	9.41E-03	1.33E-03	3.06E-07	8.48E-06	6.03E-06	1.35E-03	1.62E-03	7.07E-03	7.74E-04	2.06E-04	9.67E-03
5045	473863.09	3863877.25	0.00834	0.0095	0.0039	0.00284	1.36E-03	7.37E-03	7.60E-04	2.09E-04	9.70E-03	1.34E-03	3.19E-07	8.33E-06	6.11E-06	1.36E-03	1.63E-03	7.37E-03	7.60E-04	2.09E-04	9.97E-03
5046	474363.09	3863877.25	0.00842	0.00998	0.0039	0.00288	1.38E-03	7.74E-03	7.58E-04	2.12E-04	1.01E-02	1.36E-03	3.35E-07	8.31E-06	6.20E-06	1.37E-03	1.65E-03	7.74E-03	7.58E-04	2.12E-04	1.04E-02
5047	474863.09	3863877.25	0.00852	0.01058	0.004	0.0029	1.39E-03	8.21E-03	7.76E-04	2.14E-04	1.06E-02	1.37E-03	3.55E-07	8.50E-06	6.24E-06	1.39E-03	1.67E-03	8.21E-03	7.76E-04	2.14E-04	1.09E-02
5048	475363.09	3863877.25	0.00872	0.01114	0.0041	0.00291	1.43E-03	8.64E-03	7.93E-04	2.14E-04	1.11E-02	1.41E-03	3.74E-07	8.70E-06	6.26E-06	1.42E-03	1.71E-03	8.64E-03	7.93E-04	2.14E-04	1.14E-02
5049	475863.09	3863877.25	0.00897	0.01185	0.0043	0.00292	1.47E-03	9.19E-03	8.42E-04	2.15E-04	1.17E-02	1.45E-03	3.98E-07	9.23E-06	6.29E-06	1.46E-03	1.76E-03	9.19E-03	8.42E-04	2.15E-04	1.20E-02
5050	476363.09	3863877.25	0.00934	0.01248	0.0046	0.00294	1.53E-03	9.68E-03	8.84E-04	2.16E-04	1.23E-02	1.50E-03	4.19E-07	9.70E-06	6.33E-06	1.52E-03	1.83E-03	9.68E-03	8.84E-04	2.16E-04	1.26E-02
5051	476863.09	3863877.25	0.00977	0.01315	0.0048	0.00298	1.60E-03	1.02E-02	9.27E-04	2.19E-04	1.29E-02	1.57E-03	4.42E-07	1.02E-05	6.42E-06	1.59E-03	1.91E-03	1.02E-02	9.27E-04	2.19E-04	1.33E-02
5052	477363.09	3863877.25	0.01032	0.01376	0.0049	0.00305	1.69E-03	1.07E-02	9.42E-04	2.25E-04	1.35E-02	1.66E-03	4.62E-07	1.03E-05	6.57E-06	1.68E-03	2.02E-03	1.07E-02	9.42E-04	2.25E-04	1.39E-02
5053	477863.09	3863877.25	0.01091	0.01409	0.0049	0.00313	1.78E-03	1.09E-02	9.42E-04	2.30E-04	1.39E-02	1.76E-03	4.73E-07	1.03E-05	6.74E-06	1.78E-03	2.13E-03	1.09E-02	9.42E-04	2.30E-04	1.42E-02
5054	478363.09	3863877.25	0.01138	0.01347	0.005	0.00327	1.86E-03	1.04E-02	9.70E-04	2.41E-04	1.35E-02	1.83E-03	4.52E-07	1.06E-05	7.04E-06	1.85E-03	2.23E-03	1.04E-02	9.70E-04	2.41E-04	1.39E-02
5055	478863.09	3863877.25	0.01187	0.01561	0.005	0.00323	1.94E-03	1.21E-02	9.70E-04	2.38E-04	1.53E-02	1.91E-03	5.24E-07	1.06E-05	6.95E-06	1.93E-03	2.32E-03	1.21E-02	9.70E-04	2.38E-04	1.56E-02
5056	479363.09	3863877.25	0.0124	0.01687	0.0051	0.00335	2.03E-03	1.31E-02	9.91E-04	2.47E-04	1.64E-02	2.00E-03	5.67E-07	1.09E-05	7.21E-06	2.02E-03	2.43E-03	1.31E-02	9.91E-04	2.47E-04	1.68E-02
5057	479863.09	3863877.25	0.01308	0.01777	0.0052	0.00348	2.14E-03	1.38E-02	9.99E-04	2.56E-04	1.72E-02	2.11E-03	5.97E-07	1.09E-05	7.49E-06	2.13E-03	2.56E-03	1.38E-02	9.99E-04	2.56E-04	1.76E-02
5058	480363.09	3863877.25	0.01383	0.01857	0.0052	0.00351	2.26E-03	1.44E-02	9.99E-04	2.58E-04	1.79E-02	2.23E-03	6.24E-07	1.09E-05	7.56E-06	2.25E-03	2.71E-03	1.44E-02	9.99E-04	2.58E-04	1.84E-02
5059	480863.09	3863877.25	0.01447	0.01928	0.0051	0.00348	2.37E-03	1.50E-02	9.79E-04	2.56E-04	1.86E-02	2.33E-03	6.48E-07	1.07E-05	7.49E-06	2.35E-03	2.83E-03	1.50E-02	9.79E-04	2.56E-04	1.90E-02

5060	481363.09	3863877.25	0.01467	0.02003	0.0047	0.00344	2.40E-03	1.55E-02	9.07E-04	2.53E-04	1.91E-02	2.36E-03	6.73E-07	9.95E-06	7.41E-06	2.38E-03	2.87E-03	1.55E-02	9.07E-04	2.53E-04	1.96E-02
5061	481863.09	3863877.25	0.01476	0.02086	0.0043	0.00344	2.41E-03	1.62E-02	8.32E-04	2.53E-04	1.97E-02	2.38E-03	7.01E-07	9.12E-06	7.41E-06	2.40E-03	2.89E-03	1.62E-02	8.32E-04	2.53E-04	2.02E-02
5062	482363.09	3863877.25	0.01522	0.02173	0.0041	0.0035	2.49E-03	1.69E-02	7.93E-04	2.58E-04	2.04E-02	2.45E-03	7.30E-07	8.70E-06	7.53E-06	2.47E-03	2.98E-03	1.69E-02	7.93E-04	2.58E-04	2.09E-02
5063	482863.09	3863877.25	0.01553	0.02261	0.0039	0.00357	2.54E-03	1.75E-02	7.54E-04	2.63E-04	2.11E-02	2.50E-03	7.60E-07	8.27E-06	7.69E-06	2.52E-03	3.04E-03	1.75E-02	7.54E-04	2.63E-04	2.16E-02
5064	483363.09	3863877.25	0.01543	0.02355	0.0036	0.00363	2.52E-03	1.83E-02	6.98E-04	2.67E-04	2.18E-02	2.49E-03	7.91E-07	7.65E-06	7.81E-06	2.50E-03	3.02E-03	1.83E-02	6.98E-04	2.67E-04	2.23E-02
5065	483863.09	3863877.25	0.01526	0.02455	0.0036	0.00364	2.50E-03	1.90E-02	6.90E-04	2.68E-04	2.25E-02	2.46E-03	8.25E-07	7.57E-06	7.84E-06	2.48E-03	2.99E-03	1.90E-02	6.90E-04	2.68E-04	2.30E-02
5066	484363.09	3863877.25	0.01528	0.02552	0.0043	0.00353	2.50E-03	1.98E-02	8.42E-04	2.60E-04	2.34E-02	2.46E-03	8.57E-07	9.23E-06	7.60E-06	2.48E-03	2.99E-03	1.98E-02	8.42E-04	2.60E-04	2.39E-02
5067	484863.09	3863877.25	0.01535	0.02661	0.0049	0.00331	2.51E-03	2.06E-02	9.40E-04	2.44E-04	2.43E-02	2.47E-03	8.94E-07	1.03E-05	7.13E-06	2.49E-03	3.00E-03	2.06E-02	9.40E-04	2.44E-04	2.48E-02
5068	485363.09	3863877.25	0.01465	0.02805	0.0038	0.00313	2.40E-03	2.18E-02	7.27E-04	2.30E-04	2.51E-02	2.36E-03	9.42E-07	7.97E-06	6.74E-06	2.38E-03	2.87E-03	2.18E-02	7.27E-04	2.30E-04	2.56E-02
5069	485863.09	3863877.25	0.01399	0.02959	0.0031	0.00315	2.29E-03	2.30E-02	6.09E-04	2.32E-04	2.61E-02	2.25E-03	9.94E-07	6.68E-06	6.78E-06	2.27E-03	2.74E-03	2.30E-02	6.09E-04	2.32E-04	2.65E-02
5070	486363.09	3863877.25	0.01355	0.02948	0.0032	0.00311	2.22E-03	2.29E-02	6.24E-04	2.29E-04	2.59E-02	2.18E-03	9.90E-07	6.85E-06	6.70E-06	2.20E-03	2.65E-03	2.29E-02	6.24E-04	2.29E-04	2.64E-02
5071	486863.09	3863877.25	0.01337	0.02931	0.0034	0.003	2.19E-03	2.27E-02	6.55E-04	2.21E-04	2.58E-02	2.15E-03	9.85E-07	7.19E-06	6.46E-06	2.17E-03	2.62E-03	2.27E-02	6.55E-04	2.21E-04	2.62E-02
5072	487363.09	3863877.25	0.0137	0.02903	0.0043	0.00301	2.24E-03	2.25E-02	8.32E-04	2.22E-04	2.58E-02	2.21E-03	9.75E-07	9.12E-06	6.48E-06	2.22E-03	2.68E-03	2.25E-02	8.32E-04	2.22E-04	2.63E-02
5073	487863.09	3863877.25	0.01428	0.02906	0.0048	0.00318	2.34E-03	2.25E-02	9.35E-04	2.34E-04	2.60E-02	2.30E-03	9.76E-07	1.02E-05	6.85E-06	2.32E-03	2.79E-03	2.25E-02	9.35E-04	2.34E-04	2.65E-02
5074	488363.09	3863877.25	0.01451	0.02864	0.0045	0.00332	2.37E-03	2.22E-02	8.65E-04	2.44E-04	2.57E-02	2.34E-03	9.62E-07	9.48E-06	7.15E-06	2.36E-03	2.84E-03	2.22E-02	8.65E-04	2.44E-04	2.62E-02
5075	488863.09	3863877.25	0.01414	0.02831	0.0033	0.0031	2.31E-03	2.20E-02	6.38E-04	2.28E-04	2.51E-02	2.28E-03	9.51E-07	7.00E-06	6.67E-06	2.29E-03	2.77E-03	2.20E-02	6.38E-04	2.28E-04	2.56E-02
5076	489363.09	3863877.25	0.01366	0.02879	0.003	0.00305	2.23E-03	2.23E-02	5.86E-04	2.25E-04	2.54E-02	2.20E-03	9.67E-07	6.42E-06	6.57E-06	2.22E-03	2.67E-03	2.23E-02	5.86E-04	2.25E-04	2.58E-02
5077	489863.09	3863877.25	0.01387	0.02934	0.0028	0.00306	2.27E-03	2.28E-02	5.41E-04	2.25E-04	2.58E-02	2.23E-03	9.86E-07	5.93E-06	6.59E-06	2.25E-03	2.71E-03	2.28E-02	5.41E-04	2.25E-04	2.62E-02
5078	490363.09	3863877.25	0.01452	0.02948	0.0025	0.00325	2.37E-03	2.29E-02	4.89E-04	2.39E-04	2.60E-02	2.34E-03	9.90E-07	5.36E-06	7.00E-06	2.35E-03	2.84E-03	2.29E-02	4.89E-04	2.39E-04	2.64E-02
5079	490863.09	3863877.25	0.01478	0.02998	0.0028	0.00346	2.42E-03	2.33E-02	5.45E-04	2.55E-04	2.65E-02	2.38E-03	1.01E-06	5.97E-06	7.45E-06	2.40E-03	2.89E-03	2.33E-02	5.45E-04	2.55E-04	2.69E-02
5080	491363.09	3863877.25	0.01466	0.03063	0.0035	0.0035	2.40E-03	2.38E-02	6.81E-04	2.58E-04	2.71E-02	2.36E-03	1.03E-06	7.46E-06	7.53E-06	2.38E-03	2.87E-03	2.38E-02	6.81E-04	2.58E-04	2.76E-02
5081	491863.09	3863877.25	0.0154	0.03162	0.0045	0.00358	2.52E-03	2.45E-02	8.76E-04	2.64E-04	2.82E-02	2.48E-03	1.06E-06	9.61E-06	7.71E-06	2.50E-03	3.01E-03	2.45E-02	8.76E-04	2.64E-04	2.87E-02
5082	492363.09	3863877.25	0.01601	0.03153	0.0052	0.00356	2.62E-03	2.45E-02	1.02E-03	2.62E-04	2.84E-02	2.58E-03	1.06E-06	1.11E-05	7.66E-06	2.60E-03	3.13E-03	2.45E-02	1.02E-03	2.62E-04	2.89E-02
5083	492863.09	3863877.25	0.01585	0.02901	0.0052	0.00358	2.59E-03	2.25E-02	1.01E-03	2.64E-04	2.64E-02	2.55E-03	9.74E-07	1.11E-05	7.71E-06	2.57E-03	3.10E-03	2.25E-02	1.01E-03	2.64E-04	2.69E-02
5084	493363.09	3863877.25	0.01614	0.02803	0.005	0.00345	2.64E-03	2.17E-02	9.66E-04	2.54E-04	2.56E-02	2.60E-03	9.42E-07	1.06E-05	7.43E-06	2.62E-03	3.16E-03	2.17E-02	9.66E-04	2.54E-04	2.61E-02
5085	493863.09	3863877.25	0.01695	0.02812	0.005	0.00331	2.77E-03	2.18E-02	9.64E-04	2.44E-04	2.58E-02	2.73E-03	9.45E-07	1.06E-05	7.13E-06	2.75E-03	3.32E-03	2.18E-02	9.64E-04	2.44E-04	2.63E-02
5086	494363.09	3863877.25	0.0171	0.02887	0.0055	0.0033	2.80E-03	2.24E-02	1.07E-03	2.43E-04	2.65E-02	2.76E-03	9.70E-07	1.17E-05	7.10E-06	2.78E-03	3.35E-03	2.24E-02	1.07E-03	2.43E-04	2.71E-02
5087	494863.09	3863877.25	0.01645	0.02965	0.0057	0.00336	2.69E-03	2.30E-02	1.10E-03	2.47E-04	2.70E-02	2.65E-03	9.96E-07	1.20E-05	7.23E-06	2.67E-03	3.22E-03	2.30E-02	1.10E-03	2.47E-04	2.76E-02
5088	495363.09	3863877.25	0.01553	0.03028	0.0052	0.00343	2.54E-03	2.35E-02	1.01E-03	2.53E-04	2.73E-02	2.50E-03	1.02E-06	1.11E-05	7.38E-06	2.52E-03	3.04E-03	2.35E-02	1.01E-03	2.53E-04	2.78E-02
5089	495863.09	3863877.25	0.01493	0.03053	0.0048	0.00347	2.44E-03	2.37E-02	9.33E-04	2.55E-04	2.73E-02	2.41E-03	1.03E-06	1.02E-05	7.47E-06	2.42E-03	2.92E-03	2.37E-02	9.33E-04	2.55E-04	2.78E-02
5090	496363.09	3863877.25	0.01459	0.03099	0.0045	0.00354	2.39E-03	2.40E-02	8.76E-04	2.61E-04	2.76E-02	2.35E-03	1.04E-06	9.61E-06	7.62E-06	2.37E-03	2.85E-03	2.40E-02	8.76E-04	2.61E-04	2.80E-02
5091	496863.09	3863877.25	0.01443	0.03082	0.0046	0.00342	2.36E-03	2.39E-02	8.94E-04	2.52E-04	2.74E-02	2.33E-03	1.04E-06	9.80E-06	7.36E-06	2.34E-03	2.82E-03	2.39E-02	8.94E-04	2.52E-04	2.79E-02
5092	497363.09	3863877.25	0.01431	0.03029	0.0049	0.00335	2.34E-03	2.35E-02	9.42E-04	2.47E-04	2.70E-02	2.31E-03	1.02E-06	1.03E-05	7.21E-06	2.32E-03	2.80E-03	2.35E-02	9.42E-04	2.47E-04	2.75E-02
5093	497863.09	3863877.25	0.01428	0.02963	0.0051	0.00332	2.34E-03	2.30E-02	9.81E-04	2.44E-04	2.65E-02	2.30E-03	9.95E-07	1.08E-05	7.15E-06	2.32E-03	2.79E-03	2.30E-02	9.81E-04	2.44E-04	2.70E-02
5094	498363.09	3863877.25	0.0144	0.02876	0.005	0.00328	2.36E-03	2.23E-02	9.73E-04	2.41E-04	2.59E-02	2.32E-03	9.66E-07	1.07E-05	7.06E-06	2.34E-03	2.82E-03	2.23E-02	9.73E-04	2.41E-04	2.63E-02
5095	471363.09	3864377.25	0.00726	0.00755	0.0038	0.00256	1.19E-03	5.86E-03	7.29E-04	1.88E-04	7.96E-03	1.17E-03	2.54E-07	7.99E-06	5.51E-06	1.18E-03	1.42E-03	5.86E-03	7.29E-04	1.88E-04	8.20E-03
5096	471863.09	3864377.25	0.00736	0.0078	0.0037	0.0026	1.20E-03	6.05E-03	7.23E-04	1.91E-04	8.17E-03	1.19E-03	2.62E-07	7.93E-06	5.60E-06	1.20E-03	1.44E-03	6.05E-03	7.23E-04	1.91E-04	8.41E-03
5097	472363.09	3864377.25	0.00742	0.00812	0.0037	0.00263	1.21E-03	6.30E-03	7.14E-04	1.94E-04	8.42E-03	1.20E-03	2.73E-07	7.82E-06	5.66E-06	1.21E-03	1.45E-03	6.30E-03	7.14E-04	1.94E-04	8.66E-03
5098	472863.09	3864377.25	0.00747	0.00846	0.0036	0.00267	1.22E-03	6.56E-03	7.02E-04	1.97E-04	8.68E-03	1.20E-03	2.84E-07	7.70E-06	5.75E-06	1.22E-03	1.46E-03	6.56E-03	7.02E-04	1.97E-04	8.92E-03
5099	473363.09	3864377.25	0.0075	0.0089	0.0037	0.0027	1.23E-03	6.90E-03	7.08E-04	1.99E-04	9.04E-03	1.21E-03	2.99E-07	7.76E-06	5.81E-06	1.22E-03	1.47E-03	6.90E-03	7.08E-04	1.99E-04	9.28E-03
5100	473863.09	3864377.25	0.00759	0.00935	0.0037	0.00273	1.24E-03	7.25E-03	7.23E-04	2.01E-04	9.42E-03	1.22E-03	3.14E-07	7.93E-06	5.88E-06	1.24E-03	1.49E-03	7.25E-03	7.23E-04	2.01E-04	9.66E-03
5101	474363.09	3864377.25	0.00775	0.00982	0.0039	0.00274	1.27E-03	7.62E-03	7.47E-04	2.02E-04	9.83E-03	1.25E-03	3.30E-07	8.19E-06	5.90E-06	1.26E-03	1.52E-03	7.62E-03	7.47E-04	2.02E-04	1.01E-02
5102	474863.09	3864377.25	0.00793	0.0104	0.0041	0.00276	1.30E-03	8.07E-03	7.85E-04	2.03E-04	1.04E-02	1.28E-03	3.49E-07	8.61E-06	5.94E-06	1.29E-03	1.55E-03	8.07E-03	7.85E-04	2.03E-04	1.06E-02
5103	475363.09	3864377.25	0.00819	0.01094	0.0043	0.00276	1.34E-03	8.49E-03	8.32E-04	2.03E-04	1.09E-02	1.32E-03	3.67E-07	9.12E-06	5.94E-06	1.34E-03	1.60E-03	8.49E-03	8.32E-04	2.03E-04	1.11E-02
5104	475863.09	3864377.25	0.00849	0.01148	0.0045	0.00278	1.39E-03	8.91E-03	8.65E-04	2.05E-04	1.14E-02	1.37E-03	3.86E-07	9.48E-06	5.98E-06	1.38E-03	1.66E-03	8.91E-03	8.65E-04	2.05E-04	1.16E-02
5105	476363.09	3864377.25	0.00887	0.01194	0.0046	0.00281	1.45E-03	9.26E-03	8.88E-04	2.07E-04	1.18E-02	1.43E-03	4.01E-07	9.74E-06	6.05E-06	1.45E-03	1.74E-03	9.26E-03	8.88E-04	2.07E-04	1.21E-02
5106	476863.09	3864377.25	0.00931	0.01241	0.0046	0.00285	1.52E-03	9.63E-03	8.96E-04	2.10E-04	1.23E-02	1.50E-03	4.17E-07	9.82E-06	6.14E-06	1.52E-03	1.82E-03	9.63E-03	8.96E-04	2.10E-04	1.26E-02
5107	477363.09	3864377.25	0.00973	0.01303	0.0046	0.00291	1.59E-03	1.01E-02	8.98E-04	2.14E-04	1.28E-02	1.57E-03	4.38E-07	9.84E-06	6.26E-06	1.58E-03	1.90E-03	1.01E-02	8.98E-04	2.14E-04	1.31E-02
5108	477863.09	3864377.25	0.01013	0.01368	0.0046	0.00296	1.66E-03	1.06E-02	9.00E-04	2.18E-04	1.34E-02	1.63E-03	4.60E-07	9.87E-06	6.37E-06	1.65E-03	1.98E-03	1.06E-02	9.00E-04	2.18E-04	1.37E-02
5109	478363.09	3864377.25	0.01051	0.01436	0.0047	0.00303	1.72E-03	1.11E-02	9.07E-04	2.23E-04	1.40E-02	1.69E-03	4.82E-07	9.95E-06	6.52E-06	1.71E-03	2.06E-03	1.11E-02	9.07E-04	2.23E-04	1.43E-02
5110	478863.09	3864377.25	0.01101	0.01504	0.0047	0.00315	1.80E-03	1.17E-02	9.19E-04	2.32E-04	1.46E-02	1.77E-03	5.05E-07	1.01E-05	6.78E-06	1.79E-03	2.15E-03	1.17E-02	9.19E-04	2.32E-04	1.50E-02
5111	479363.09	3864377.25	0.0116	0.0157	0.0048	0.00327	1.90E-03	1.22E-02	9.25E-04	2.41E-04	1.52E-02	1.87E-03	5.27E-07	1.01E-05	7.04E-06	1.89E-03	2.27E-03	1.22E-02	9.25E-04	2.41E-04	1.56E-02
5112	479863.09	3864377.25	0.01229	0.01625	0.0048	0.00332	2.01E-03	1.26E-02	9.29E-04	2.44E-04	1.58E-02	1.98E-03	5.46E-07	1.02E-05	7.15E-06	2.00E-03	2.40E-03	1.26E-02	9.29E-04	2.44E-04	1.62E-02
5113	480363.09	3864377.25	0.01294	0.01678	0.0047	0.00329	2.12E-03	1.30E-02	9.02E-04	2.42E-04	1.63E-02	2.09E-03	5.64E-07	9.89E-06	7.08E-06	2.10E-03	2.53E-03	1.30E-02	9.02E-04	2.42E-04	1.67E-02
5114	480863.09	3864377.25	0.01319	0.0173	0.0043	0.0032	2.16E-03	1.34E-02	8.24E-04	2.36E-04	1.66E-02	2.13E-03	5.81E-07	9.04E-06	6.89E-06	2.14E-03	2.58E-03	1.34E-02	8.24E-04	2.36E-04	1.71E-02
5115	481363.09	3864377.25	0.01323	0.01787	0.0039	0.00315	2.16E-03	1.39E-02	7.60E-04	2.32E-04	1.70E-02	2.13E-03	6.00E-07	8.33E-06	6.78E-06	2.15E-03	2.59E-03	1.39E-02	7.60E-04	2.32E-04	1.74E-02
5116	481863.09	3864377.25	0.01342	0.01861	0.0037	0.00316	2.19E-03	1.44E-02	7.25E-04	2.33E-04	1.76E-02	2.16E-03	6.25E-07	7.95E-06	6.80E-06	2.18E-03	2.63E-03	1.44E-02	7.25E-04	2.33E-04	1.80E-02
5117	482363.09	3864377.25	0.01378	0.01941	0.0036	0.0032	2.25E-03	1.51E-02	6.96E-04	2.36E-04	1.82E-02	2.22E-03	6.52E-07	7.63E-06	6.89E-06	2.24E-03	2.70E-03	1.51E-02	6.96E-04	2.36E-04	1.87E-02
5118	482863.09	3864377.25	0.01393	0.02023	0.0034	0.00324	2.28E-03	1.57E-02	6.52E-04	2.39E-04	1.89E-02	2.24E-03	6.80E-07	7.14E-06	6.97E-06	2.26E-03	2.73E-03	1.57E-02	6.52E-04	2.39E-04	1.93E-02
5119	483363.09	3864377.25	0.01373	0.0211	0.0032	0.00326	2.25E-03	1.64E-02	6.24E-04	2.40E-04	1.95E-02	2.21E-03	7.09E-07	6.85E-06	7.02E-06	2.23E-03	2.69E-03	1.64E-02	6.24E-04	2.40E-04	1.99E-02
5120	483863.09	3864377.25	0.01362	0.02193	0.0038	0.00328	2.23E-03	1.70E-02	7.29E-04	2.41E-04	2.02E-02	2.19E-03	7.37E-07	7.99E-06	7.06E-06	2.21E-03	2.67E-03	1.70E-02	7.29E-04	2.41E-04	2.06E-02

5121	484363.09	3864377.25	0.01382	0.0225	0.0047	0.00317	2.26E-03	1.75E-02	9.02E-04	2.33E-04	2.08E-02	2.23E-03	7.56E-07	9.89E-06	6.82E-06	2.24E-03	2.70E-03	1.75E-02	9.02E-04	2.33E-04	2.13E-02
5122	484863.09	3864377.25	0.01377	0.02328	0.0042	0.00296	2.25E-03	1.81E-02	8.16E-04	2.18E-04	2.13E-02	2.22E-03	7.82E-07	8.95E-06	6.37E-06	2.23E-03	2.69E-03	1.81E-02	8.16E-04	2.18E-04	2.18E-02
5123	485363.09	3864377.25	0.01311	0.02454	0.0031	0.0029	2.14E-03	1.90E-02	6.05E-04	2.14E-04	2.20E-02	2.11E-03	8.24E-07	6.63E-06	6.24E-06	2.13E-03	2.57E-03	1.90E-02	6.05E-04	2.14E-04	2.24E-02
5124	485863.09	3864377.25	0.01256	0.02531	0.003	0.00292	2.05E-03	1.96E-02	5.88E-04	2.15E-04	2.25E-02	2.02E-03	8.50E-07	6.44E-06	6.29E-06	2.04E-03	2.46E-03	1.96E-02	5.88E-04	2.15E-04	2.29E-02
5125	486363.09	3864377.25	0.01218	0.02498	0.003	0.00281	1.99E-03	1.94E-02	5.82E-04	2.07E-04	2.22E-02	1.96E-03	8.39E-07	6.38E-06	6.05E-06	1.98E-03	2.38E-03	1.94E-02	5.82E-04	2.07E-04	2.26E-02
5126	486863.09	3864377.25	0.01196	0.02501	0.0033	0.00277	1.96E-03	1.94E-02	6.38E-04	2.04E-04	2.22E-02	1.93E-03	8.40E-07	7.00E-06	5.96E-06	1.94E-03	2.34E-03	1.94E-02	6.38E-04	2.04E-04	2.26E-02
5127	487363.09	3864377.25	0.01225	0.02452	0.0042	0.00278	2.00E-03	1.90E-02	8.05E-04	2.05E-04	2.20E-02	1.97E-03	8.24E-07	8.82E-06	5.98E-06	1.99E-03	2.40E-03	1.90E-02	8.05E-04	2.05E-04	2.24E-02
5128	487863.09	3864377.25	0.01284	0.02443	0.0046	0.00292	2.10E-03	1.90E-02	8.84E-04	2.15E-04	2.21E-02	2.07E-03	8.21E-07	9.70E-06	6.29E-06	2.09E-03	2.51E-03	1.90E-02	8.84E-04	2.15E-04	2.26E-02
5129	488363.09	3864377.25	0.01312	0.02417	0.0042	0.003	2.15E-03	1.87E-02	8.18E-04	2.21E-04	2.19E-02	2.11E-03	8.12E-07	8.97E-06	6.46E-06	2.13E-03	2.57E-03	1.87E-02	8.18E-04	2.21E-04	2.24E-02
5130	488863.09	3864377.25	0.01296	0.024	0.0032	0.00281	2.12E-03	1.86E-02	6.13E-04	2.07E-04	2.16E-02	2.09E-03	8.06E-07	6.72E-06	6.05E-06	2.10E-03	2.54E-03	1.86E-02	6.13E-04	2.07E-04	2.20E-02
5131	489363.09	3864377.25	0.01244	0.02427	0.0028	0.00274	2.03E-03	1.88E-02	5.51E-04	2.02E-04	2.16E-02	2.00E-03	8.15E-07	6.04E-06	5.90E-06	2.02E-03	2.43E-03	1.88E-02	5.51E-04	2.02E-04	2.20E-02
5132	489863.09	3864377.25	0.01233	0.02472	0.0028	0.00275	2.02E-03	1.92E-02	5.37E-04	2.02E-04	2.19E-02	1.99E-03	8.30E-07	5.89E-06	5.92E-06	2.00E-03	2.41E-03	1.92E-02	5.37E-04	2.02E-04	2.23E-02
5133	490363.09	3864377.25	0.01282	0.02491	0.0024	0.00286	2.10E-03	1.93E-02	4.61E-04	2.11E-04	2.21E-02	2.07E-03	8.37E-07	5.06E-06	6.16E-06	2.08E-03	2.51E-03	1.93E-02	4.61E-04	2.11E-04	2.25E-02
5134	490863.09	3864377.25	0.01344	0.02524	0.0024	0.00308	2.20E-03	1.96E-02	4.73E-04	2.27E-04	2.25E-02	2.17E-03	8.48E-07	5.19E-06	6.63E-06	2.18E-03	2.63E-03	1.96E-02	4.73E-04	2.27E-04	2.29E-02
5135	491363.09	3864377.25	0.01391	0.02563	0.0031	0.00332	2.28E-03	1.99E-02	5.93E-04	2.44E-04	2.30E-02	2.24E-03	8.61E-07	6.51E-06	7.15E-06	2.26E-03	2.72E-03	1.99E-02	5.93E-04	2.44E-04	2.34E-02
5136	491863.09	3864377.25	0.01029	0.0098	0.0034	0.00326	1.68E-03	7.60E-03	6.63E-04	2.40E-04	1.02E-02	1.66E-03	3.29E-07	7.27E-06	7.02E-06	1.67E-03	2.01E-03	7.60E-03	6.63E-04	2.40E-04	1.05E-02
5137	492363.09	3864377.25	0.0144	0.02013	0.0047	0.00364	2.36E-03	1.56E-02	9.06E-04	2.68E-04	1.91E-02	2.32E-03	6.76E-07	9.93E-06	7.84E-06	2.34E-03	2.82E-03	1.56E-02	9.06E-04	2.68E-04	1.96E-02
5138	492863.09	3864377.25	0.01278	0.01366	0.006	0.00335	2.09E-03	1.06E-02	1.16E-03	2.47E-04	1.41E-02	2.06E-03	4.59E-07	1.27E-05	7.21E-06	2.08E-03	2.50E-03	1.06E-02	1.16E-03	2.47E-04	1.45E-02
5139	493363.09	3864377.25	0.0133	0.01933	0.0067	0.00348	2.18E-03	1.50E-02	1.29E-03	2.56E-04	1.87E-02	2.14E-03	6.49E-07	1.42E-05	7.49E-06	2.17E-03	2.60E-03	1.50E-02	1.29E-03	2.56E-04	1.91E-02
5140	493863.09	3864377.25	0.01428	0.02207	0.0047	0.0032	2.34E-03	1.71E-02	9.15E-04	2.36E-04	2.06E-02	2.30E-03	7.41E-07	1.00E-05	6.89E-06	2.32E-03	2.79E-03	1.71E-02	9.15E-04	2.36E-04	2.11E-02
5141	494363.09	3864377.25	0.01529	0.02318	0.0046	0.00302	2.50E-03	1.80E-02	8.82E-04	2.22E-04	2.16E-02	2.46E-03	7.79E-07	9.67E-06	6.50E-06	2.48E-03	2.99E-03	1.80E-02	8.82E-04	2.22E-04	2.21E-02
5142	494863.09	3864377.25	0.01549	0.02401	0.005	0.00297	2.53E-03	1.86E-02	9.77E-04	2.19E-04	2.24E-02	2.50E-03	8.07E-07	1.07E-05	6.39E-06	2.51E-03	3.03E-03	1.86E-02	9.77E-04	2.19E-04	2.29E-02
5143	495363.09	3864377.25	0.01498	0.02463	0.0052	0.00301	2.45E-03	1.91E-02	1.02E-03	2.22E-04	2.28E-02	2.41E-03	8.27E-07	1.11E-05	6.48E-06	2.43E-03	2.93E-03	1.91E-02	1.02E-03	2.22E-04	2.33E-02
5144	495863.09	3864377.25	0.01418	0.02525	0.0049	0.00308	2.32E-03	1.96E-02	9.50E-04	2.27E-04	2.31E-02	2.28E-03	8.48E-07	1.04E-05	6.63E-06	2.30E-03	2.77E-03	1.96E-02	9.50E-04	2.27E-04	2.35E-02
5145	496363.09	3864377.25	0.01352	0.0258	0.0045	0.00315	2.21E-03	2.00E-02	8.67E-04	2.32E-04	2.33E-02	2.18E-03	8.67E-07	9.50E-06	6.78E-06	2.20E-03	2.65E-03	2.00E-02	8.67E-04	2.32E-04	2.38E-02
5146	496863.09	3864377.25	0.01323	0.02616	0.0042	0.0032	2.16E-03	2.03E-02	8.20E-04	2.36E-04	2.35E-02	2.13E-03	8.79E-07	8.99E-06	6.89E-06	2.15E-03	2.59E-03	2.03E-02	8.20E-04	2.36E-04	2.39E-02
5147	497363.09	3864377.25	0.01312	0.02642	0.0042	0.00316	2.15E-03	2.05E-02	8.18E-04	2.33E-04	2.37E-02	2.11E-03	8.87E-07	8.97E-06	6.80E-06	2.13E-03	2.57E-03	2.05E-02	8.18E-04	2.33E-04	2.41E-02
5148	497863.09	3864377.25	0.01321	0.02645	0.0046	0.00318	2.16E-03	2.05E-02	8.82E-04	2.34E-04	2.38E-02	2.13E-03	8.88E-07	9.67E-06	6.85E-06	2.15E-03	2.58E-03	2.05E-02	8.82E-04	2.34E-04	2.42E-02
5149	498363.09	3864377.25	0.013	0.02601	0.0047	0.00303	2.13E-03	2.02E-02	9.04E-04	2.23E-04	2.34E-02	2.09E-03	8.74E-07	9.91E-06	6.52E-06	2.11E-03	2.54E-03	2.02E-02	9.04E-04	2.23E-04	2.38E-02
5150	471363.09	3864877.25	0.0067	0.00735	0.0034	0.00248	1.10E-03	5.70E-03	6.63E-04	1.83E-04	7.64E-03	1.08E-03	2.47E-07	7.27E-06	5.34E-06	1.09E-03	1.31E-03	5.70E-03	6.63E-04	1.83E-04	7.86E-03
5151	471863.09	3864877.25	0.00672	0.00762	0.0034	0.00251	1.10E-03	5.91E-03	6.55E-04	1.85E-04	7.85E-03	1.08E-03	2.56E-07	7.19E-06	5.40E-06	1.10E-03	1.31E-03	5.91E-03	6.55E-04	1.85E-04	8.07E-03
5152	472363.09	3864877.25	0.00675	0.00794	0.0034	0.00254	1.10E-03	6.16E-03	6.55E-04	1.87E-04	8.11E-03	1.09E-03	2.67E-07	7.19E-06	5.47E-06	1.10E-03	1.32E-03	6.16E-03	6.55E-04	1.87E-04	8.32E-03
5153	472863.09	3864877.25	0.00682	0.00831	0.0035	0.00256	1.12E-03	6.45E-03	6.69E-04	1.88E-04	8.42E-03	1.10E-03	2.79E-07	7.34E-06	5.51E-06	1.11E-03	1.33E-03	6.45E-03	6.69E-04	1.88E-04	8.64E-03
5154	473363.09	3864877.25	0.00692	0.00875	0.0036	0.00259	1.13E-03	6.79E-03	7.04E-04	1.91E-04	8.81E-03	1.12E-03	2.94E-07	7.72E-06	5.58E-06	1.13E-03	1.35E-03	6.79E-03	7.04E-04	1.91E-04	9.04E-03
5155	473863.09	3864877.25	0.00708	0.00919	0.0038	0.00261	1.16E-03	7.13E-03	7.31E-04	1.92E-04	9.21E-03	1.14E-03	3.09E-07	8.02E-06	5.62E-06	1.15E-03	1.39E-03	7.13E-03	7.31E-04	1.92E-04	9.44E-03
5156	474363.09	3864877.25	0.00729	0.00964	0.004	0.00262	1.19E-03	7.48E-03	7.68E-04	1.93E-04	9.63E-03	1.17E-03	3.24E-07	8.42E-06	5.64E-06	1.19E-03	1.43E-03	7.48E-03	7.68E-04	1.93E-04	9.87E-03
5157	474863.09	3864877.25	0.00752	0.01008	0.0041	0.00263	1.23E-03	7.82E-03	7.97E-04	1.94E-04	1.00E-02	1.21E-03	3.39E-07	8.74E-06	5.66E-06	1.23E-03	1.47E-03	7.82E-03	7.97E-04	1.94E-04	1.03E-02
5158	475363.09	3864877.25	0.00777	0.01047	0.0042	0.00263	1.27E-03	8.12E-03	8.14E-04	1.94E-04	1.04E-02	1.25E-03	3.52E-07	8.93E-06	5.66E-06	1.27E-03	1.52E-03	8.12E-03	8.14E-04	1.94E-04	1.07E-02
5159	475863.09	3864877.25	0.00805	0.01085	0.0042	0.00265	1.32E-03	8.42E-03	8.18E-04	1.95E-04	1.07E-02	1.30E-03	3.64E-07	8.97E-06	5.70E-06	1.31E-03	1.58E-03	8.42E-03	8.18E-04	1.95E-04	1.10E-02
5160	476363.09	3864877.25	0.0084	0.01125	0.0043	0.00268	1.37E-03	8.73E-03	8.24E-04	1.97E-04	1.11E-02	1.35E-03	3.78E-07	9.04E-06	5.77E-06	1.37E-03	1.64E-03	8.73E-03	8.24E-04	1.97E-04	1.14E-02
5161	476863.09	3864877.25	0.00882	0.01171	0.0043	0.00272	1.44E-03	9.08E-03	8.42E-04	2.00E-04	1.16E-02	1.42E-03	3.93E-07	9.23E-06	5.86E-06	1.44E-03	1.73E-03	9.08E-03	8.42E-04	2.00E-04	1.19E-02
5162	477363.09	3864877.25	0.00916	0.01227	0.0043	0.00279	1.50E-03	9.52E-03	8.38E-04	2.05E-04	1.21E-02	1.48E-03	4.12E-07	9.19E-06	6.01E-06	1.49E-03	1.79E-03	9.52E-03	8.38E-04	2.05E-04	1.24E-02
5163	477863.09	3864877.25	0.00947	0.01286	0.0044	0.00286	1.55E-03	9.98E-03	8.43E-04	2.11E-04	1.26E-02	1.53E-03	4.32E-07	9.25E-06	6.16E-06	1.54E-03	1.85E-03	9.98E-03	8.43E-04	2.11E-04	1.29E-02
5164	478363.09	3864877.25	0.00985	0.01343	0.0044	0.00296	1.61E-03	1.04E-02	8.53E-04	2.18E-04	1.31E-02	1.59E-03	4.51E-07	9.36E-06	6.37E-06	1.60E-03	1.93E-03	1.04E-02	8.53E-04	2.18E-04	1.34E-02
5165	478863.09	3864877.25	0.01037	0.01394	0.0045	0.00306	1.70E-03	1.08E-02	8.63E-04	2.25E-04	1.36E-02	1.67E-03	4.68E-07	9.46E-06	6.59E-06	1.69E-03	2.03E-03	1.08E-02	8.63E-04	2.25E-04	1.39E-02
5166	479363.09	3864877.25	0.01094	0.01434	0.0044	0.00311	1.79E-03	1.11E-02	8.59E-04	2.29E-04	1.40E-02	1.76E-03	4.82E-07	9.42E-06	6.70E-06	1.78E-03	2.14E-03	1.11E-02	8.59E-04	2.29E-04	1.44E-02
5167	479863.09	3864877.25	0.0115	0.01468	0.0042	0.00308	1.88E-03	1.14E-02	8.20E-04	2.27E-04	1.43E-02	1.85E-03	4.93E-07	8.99E-06	6.63E-06	1.87E-03	2.25E-03	1.14E-02	8.20E-04	2.27E-04	1.47E-02
5168	480363.09	3864877.25	0.01192	0.01506	0.0039	0.00301	1.95E-03	1.17E-02	7.60E-04	2.22E-04	1.46E-02	1.92E-03	5.06E-07	8.33E-06	6.48E-06	1.94E-03	2.33E-03	1.17E-02	7.60E-04	2.22E-04	1.50E-02
5169	480863.09	3864877.25	0.012	0.01553	0.0036	0.00293	1.96E-03	1.20E-02	7.00E-04	2.16E-04	1.49E-02	1.93E-03	5.22E-07	7.68E-06	6.31E-06	1.95E-03	2.35E-03	1.20E-02	7.00E-04	2.16E-04	1.53E-02
5170	481363.09	3864877.25	0.01204	0.01616	0.0034	0.0029	1.97E-03	1.25E-02	6.67E-04	2.14E-04	1.54E-02	1.94E-03	5.43E-07	7.31E-06	6.24E-06	1.95E-03	2.36E-03	1.25E-02	6.67E-04	2.14E-04	1.58E-02
5171	481863.09	3864877.25	0.01223	0.01687	0.0033	0.00289	2.00E-03	1.31E-02	6.42E-04	2.13E-04	1.59E-02	1.97E-03	5.67E-07	7.04E-06	6.22E-06	1.98E-03	2.39E-03	1.31E-02	6.42E-04	2.13E-04	1.63E-02
5172	482363.09	3864877.25	0.01248	0.01755	0.0031	0.0029	2.04E-03	1.36E-02	6.09E-04	2.14E-04	1.65E-02	2.01E-03	5.90E-07	6.68E-06	6.24E-06	2.02E-03	2.44E-03	1.36E-02	6.09E-04	2.14E-04	1.69E-02
5173	482863.09	3864877.25	0.01252	0.0183	0.003	0.00293	2.05E-03	1.42E-02	5.80E-04	2.16E-04	1.70E-02	2.02E-03	6.15E-07	6.36E-06	6.31E-06	2.03E-03	2.45E-03	1.42E-02	5.80E-04	2.16E-04	1.74E-02
5174	483363.09	3864877.25	0.01233	0.01912	0.0033	0.003	2.02E-03	1.48E-02	6.38E-04	2.21E-04	1.77E-02	1.99E-03	6.42E-07	7.00E-06	6.46E-06	2.00E-03	2.41E-03	1.48E-02	6.38E-04	2.21E-04	1.81E-02
5175	483863.09	3864877.25	0.01233	0.0196	0.0042	0.003	2.02E-03	1.52E-02	8.12E-04	2.21E-04	1.83E-02	1.99E-03	6.58E-07	8.91E-06	6.46E-06	2.00E-03	2.41E-03	1.52E-02	8.12E-04	2.21E-04	1.87E-02
5176	484363.09	3864877.25	0.01257	0.01993	0.0045	0.00286	2.06E-03	1.55E-02	8.65E-04	2.11E-04	1.86E-02	2.03E-03	6.69E-07	9.48E-06	6.16E-06	2.04E-03	2.46E-03	1.55E-02	8.65E-04	2.11E-04	1.90E-02
5177	484863.09	3864877.25	0.01245	0.02068	0.0035	0.00274	2.04E-03	1.60E-02	6.73E-04	2.02E-04	1.90E-02	2.01E-03	6.95E-07	7.38E-06	5.90E-06	2.02E-03	2.44E-03	1.60E-02	6.73E-04	2.02E-04	1.94E-02
5178	485363.09	3864877.25	0.01188	0.02162	0.0028	0.00276	1.94E-03	1.68E-02	5.47E-04	2.03E-04	1.95E-02	1.91E-03	7.26E-07	6.00E-06	5.94E-06	1.93E-03	2.32E-03	1.68E-02	5.47E-04	2.03E-04	1.98E-02
5179	485863.09	3864877.25	0.01139	0.02172	0.003	0.00268	1.86E-03	1.68E-02	5.72E-04	1.97E-04	1.95E-02	1.84E-03	7.30E-07	6.27E-06	5.77E-06	1.85E-03	2.23E-03	1.68E-02	5.72E-04	1.97E-04	1.98E-02
5180	486363.09	3864877.25	0.01102	0.02158	0.0028	0.00259	1.80E-03	1.67E-02	5.45E-04	1.91E-04	1.93E-02	1.78E-03	7.25E-07	5.97E-06	5.58E-06	1.79E-03	2.16E-03	1.67E-02	5.45E-04	1.91E-04	1.96E-02
5181	486863.09	3864877.25	0.01078	0.02164	0.0032	0.00259	1.76E-03	1.68E-02	6.26E-04	1.91E-04	1.94E-02	1.74E-03	7.27E-07	6.87E-06	5.58E-06	1.75E-03	2.11E-03	1.68E-02	6.26E-04	1.91E-04	1.97E-02

5182	487363.09	3864877.25	0.01098	0.02108	0.004	0.0026	1.80E-03	1.64E-02	7.78E-04	1.91E-04	1.91E-02	1.77E-03	7.08E-07	8.53E-06	5.60E-06	1.78E-03	2.15E-03	1.64E-02	7.78E-04	1.91E-04	1.95E-02
5183	487863.09	3864877.25	0.01156	0.02088	0.0043	0.0027	1.89E-03	1.62E-02	8.38E-04	1.99E-04	1.91E-02	1.86E-03	7.01E-07	9.19E-06	5.81E-06	1.88E-03	2.26E-03	1.62E-02	8.38E-04	1.99E-04	1.95E-02
5184	488363.09	3864877.25	0.01193	0.0207	0.004	0.00274	1.95E-03	1.61E-02	7.78E-04	2.02E-04	1.90E-02	1.92E-03	6.95E-07	8.53E-06	5.90E-06	1.94E-03	2.33E-03	1.61E-02	7.78E-04	2.02E-04	1.94E-02
5185	488863.09	3864877.25	0.01191	0.02065	0.003	0.00257	1.95E-03	1.60E-02	5.89E-04	1.89E-04	1.87E-02	1.92E-03	6.94E-07	6.46E-06	5.53E-06	1.93E-03	2.33E-03	1.60E-02	5.89E-04	1.89E-04	1.91E-02
5186	489363.09	3864877.25	0.01148	0.02091	0.0027	0.00249	1.88E-03	1.62E-02	5.18E-04	1.83E-04	1.88E-02	1.85E-03	7.02E-07	5.68E-06	5.36E-06	1.86E-03	2.25E-03	1.62E-02	5.18E-04	1.83E-04	1.92E-02
5187	489863.09	3864877.25	0.01115	0.02119	0.0027	0.00251	1.82E-03	1.64E-02	5.27E-04	1.85E-04	1.90E-02	1.80E-03	7.12E-07	5.78E-06	5.40E-06	1.81E-03	2.18E-03	1.64E-02	5.27E-04	1.85E-04	1.93E-02
5188	490363.09	3864877.25	0.01138	0.02138	0.0023	0.00256	1.86E-03	1.66E-02	4.54E-04	1.88E-04	1.91E-02	1.83E-03	7.18E-07	4.98E-06	5.51E-06	1.84E-03	2.23E-03	1.66E-02	4.54E-04	1.88E-04	1.95E-02
5189	490863.09	3864877.25	0.01262	0.02002	0.0022	0.00271	2.06E-03	1.55E-02	4.30E-04	2.00E-04	1.82E-02	2.03E-03	6.73E-07	4.72E-06	5.83E-06	2.04E-03	2.47E-03	1.55E-02	4.30E-04	2.00E-04	1.86E-02
5190	491363.09	3864877.25	0.01276	0.02179	0.0026	0.00298	2.09E-03	1.69E-02	5.02E-04	2.19E-04	1.97E-02	2.06E-03	7.32E-07	5.51E-06	6.42E-06	2.07E-03	2.50E-03	1.69E-02	5.02E-04	2.19E-04	2.01E-02
5191	491863.09	3864877.25	0.01275	0.01979	0.003	0.00315	2.09E-03	1.54E-02	5.78E-04	2.32E-04	1.82E-02	2.05E-03	6.65E-07	6.34E-06	6.78E-06	2.07E-03	2.49E-03	1.54E-02	5.78E-04	2.32E-04	1.87E-02
5192	492363.09	3864877.25	0.00632	0.00621	0.0032	0.00254	1.03E-03	4.82E-03	6.22E-04	1.87E-04	6.66E-03	1.02E-03	2.09E-07	6.83E-06	5.47E-06	1.03E-03	1.24E-03	4.82E-03	6.22E-04	1.87E-04	6.86E-03
5193	492863.09	3864877.25	0.00921	0.00858	0.0043	0.00277	1.51E-03	6.66E-03	8.42E-04	2.04E-04	9.21E-03	1.48E-03	2.88E-07	9.23E-06	5.96E-06	1.50E-03	1.80E-03	6.66E-03	8.42E-04	2.04E-04	9.50E-03
5194	493363.09	3864877.25	0.00876	0.00889	0.0046	0.00272	1.43E-03	6.90E-03	8.92E-04	2.00E-04	9.42E-03	1.41E-03	2.99E-07	9.78E-06	5.86E-06	1.43E-03	1.71E-03	6.90E-03	8.92E-04	2.00E-04	9.70E-03
5195	493863.09	3864877.25	0.0121	0.01797	0.0058	0.00318	1.98E-03	1.39E-02	1.13E-03	2.34E-04	1.73E-02	1.95E-03	6.04E-07	1.24E-05	6.85E-06	1.97E-03	2.37E-03	1.39E-02	1.13E-03	2.34E-04	1.77E-02
5196	494363.09	3864877.25	0.01305	0.02006	0.0043	0.00295	2.13E-03	1.56E-02	8.34E-04	2.17E-04	1.87E-02	2.10E-03	6.74E-07	9.14E-06	6.35E-06	2.12E-03	2.55E-03	1.56E-02	8.34E-04	2.17E-04	1.92E-02
5197	494863.09	3864877.25	0.01384	0.02014	0.0042	0.00278	2.26E-03	1.56E-02	8.22E-04	2.05E-04	1.89E-02	2.23E-03	6.77E-07	9.01E-06	5.98E-06	2.25E-03	2.71E-03	1.56E-02	8.22E-04	2.05E-04	1.94E-02
5198	495363.09	3864877.25	0.01408	0.0205	0.0047	0.0027	2.30E-03	1.59E-02	9.06E-04	1.99E-04	1.93E-02	2.27E-03	6.89E-07	9.93E-06	5.81E-06	2.29E-03	2.76E-03	1.59E-02	9.06E-04	1.99E-04	1.98E-02
5199	495863.09	3864877.25	0.01364	0.02113	0.005	0.00275	2.23E-03	1.64E-02	9.68E-04	2.02E-04	1.98E-02	2.20E-03	7.10E-07	1.06E-05	5.92E-06	2.22E-03	2.67E-03	1.64E-02	9.68E-04	2.02E-04	2.02E-02
5200	496363.09	3864877.25	0.01302	0.02135	0.0046	0.0028	2.13E-03	1.66E-02	8.96E-04	2.06E-04	1.98E-02	2.10E-03	7.17E-07	9.82E-06	6.03E-06	2.11E-03	2.55E-03	1.66E-02	8.96E-04	2.06E-04	2.02E-02
5201	496863.09	3864877.25	0.0124	0.02186	0.0042	0.00286	2.03E-03	1.70E-02	8.14E-04	2.11E-04	2.00E-02	2.00E-03	7.34E-07	8.93E-06	6.16E-06	2.01E-03	2.43E-03	1.70E-02	8.14E-04	2.11E-04	2.04E-02
5202	497363.09	3864877.25	0.01205	0.02235	0.004	0.00292	1.97E-03	1.73E-02	7.72E-04	2.15E-04	2.03E-02	1.94E-03	7.51E-07	8.46E-06	6.29E-06	1.96E-03	2.36E-03	1.73E-02	7.72E-04	2.15E-04	2.07E-02
5203	497863.09	3864877.25	0.012	0.02265	0.004	0.00294	1.96E-03	1.76E-02	7.76E-04	2.16E-04	2.05E-02	1.93E-03	7.61E-07	8.50E-06	6.33E-06	1.95E-03	2.35E-03	1.76E-02	7.76E-04	2.16E-04	2.09E-02
5204	498363.09	3864877.25	0.01196	0.02292	0.0041	0.00291	1.96E-03	1.78E-02	7.89E-04	2.14E-04	2.07E-02	1.93E-03	7.70E-07	8.65E-06	6.26E-06	1.94E-03	2.34E-03	1.78E-02	7.89E-04	2.14E-04	2.11E-02
5205	471363.09	3865377.25	0.0061	0.00718	0.0032	0.0024	9.98E-04	5.57E-03	6.21E-04	1.77E-04	7.36E-03	9.83E-04	2.41E-07	6.80E-06	5.17E-06	9.95E-04	1.19E-03	5.57E-03	6.21E-04	1.77E-04	7.56E-03
5206	471863.09	3865377.25	0.00615	0.00749	0.0033	0.00242	1.01E-03	5.81E-03	6.32E-04	1.78E-04	7.63E-03	9.91E-04	2.52E-07	6.93E-06	5.21E-06	1.00E-03	1.20E-03	5.81E-03	6.32E-04	1.78E-04	7.82E-03
5207	472363.09	3865377.25	0.00624	0.00783	0.0034	0.00245	1.02E-03	6.07E-03	6.61E-04	1.80E-04	7.94E-03	1.01E-03	2.63E-07	7.25E-06	5.27E-06	1.02E-03	1.22E-03	6.07E-03	6.61E-04	1.80E-04	8.14E-03
5208	472863.09	3865377.25	0.0064	0.00817	0.0036	0.00247	1.05E-03	6.34E-03	6.88E-04	1.82E-04	8.25E-03	1.03E-03	2.74E-07	7.55E-06	5.32E-06	1.04E-03	1.25E-03	6.34E-03	6.88E-04	1.82E-04	8.46E-03
5209	473363.09	3865377.25	0.00655	0.00856	0.0037	0.00249	1.07E-03	6.64E-03	7.19E-04	1.83E-04	8.61E-03	1.06E-03	2.88E-07	7.89E-06	5.36E-06	1.07E-03	1.28E-03	6.64E-03	7.19E-04	1.83E-04	8.82E-03
5210	473863.09	3865377.25	0.00674	0.00891	0.0038	0.00249	1.10E-03	6.91E-03	7.41E-04	1.83E-04	8.94E-03	1.09E-03	2.99E-07	8.12E-06	5.36E-06	1.10E-03	1.32E-03	6.91E-03	7.41E-04	1.83E-04	9.15E-03
5211	474363.09	3865377.25	0.00693	0.00924	0.0039	0.00249	1.13E-03	7.17E-03	7.56E-04	1.83E-04	9.24E-03	1.12E-03	3.10E-07	8.29E-06	5.36E-06	1.13E-03	1.36E-03	7.17E-03	7.56E-04	1.83E-04	9.46E-03
5212	474863.09	3865377.25	0.00714	0.00954	0.004	0.00249	1.17E-03	7.40E-03	7.68E-04	1.83E-04	9.52E-03	1.15E-03	3.20E-07	8.42E-06	5.36E-06	1.16E-03	1.40E-03	7.40E-03	7.68E-04	1.83E-04	9.75E-03
5213	475363.09	3865377.25	0.00735	0.00987	0.0039	0.0025	1.20E-03	7.66E-03	7.64E-04	1.84E-04	9.81E-03	1.18E-03	3.32E-07	8.38E-06	5.38E-06	1.20E-03	1.44E-03	7.66E-03	7.64E-04	1.84E-04	1.00E-02
5214	475863.09	3865377.25	0.00764	0.01022	0.004	0.00253	1.25E-03	7.93E-03	7.68E-04	1.86E-04	1.01E-02	1.23E-03	3.43E-07	8.42E-06	5.45E-06	1.25E-03	1.49E-03	7.93E-03	7.68E-04	1.86E-04	1.04E-02
5215	476363.09	3865377.25	0.00809	0.01048	0.0041	0.00256	1.32E-03	8.13E-03	7.97E-04	1.88E-04	1.04E-02	1.30E-03	3.52E-07	8.74E-06	5.51E-06	1.32E-03	1.58E-03	8.13E-03	7.97E-04	1.88E-04	1.07E-02
5216	476863.09	3865377.25	0.00847	0.00996	0.0043	0.00266	1.39E-03	7.73E-03	8.32E-04	1.96E-04	1.01E-02	1.36E-03	3.35E-07	9.12E-06	5.73E-06	1.38E-03	1.66E-03	7.73E-03	8.32E-04	1.96E-04	1.04E-02
5217	477363.09	3865377.25	0.00871	0.01144	0.0043	0.00269	1.42E-03	8.87E-03	8.26E-04	1.98E-04	1.13E-02	1.40E-03	3.84E-07	9.06E-06	5.79E-06	1.42E-03	1.70E-03	8.87E-03	8.26E-04	1.98E-04	1.16E-02
5218	477863.09	3865377.25	0.00893	0.01201	0.0042	0.00279	1.46E-03	9.32E-03	8.07E-04	2.05E-04	1.18E-02	1.44E-03	4.03E-07	8.84E-06	6.01E-06	1.45E-03	1.75E-03	9.32E-03	8.07E-04	2.05E-04	1.21E-02
5219	478363.09	3865377.25	0.00937	0.01241	0.0042	0.00288	1.53E-03	9.63E-03	8.16E-04	2.12E-04	1.22E-02	1.51E-03	4.17E-07	8.95E-06	6.20E-06	1.53E-03	1.83E-03	9.63E-03	8.16E-04	2.12E-04	1.25E-02
5220	478863.09	3865377.25	0.00984	0.0127	0.0041	0.00291	1.61E-03	9.85E-03	8.01E-04	2.14E-04	1.25E-02	1.59E-03	4.27E-07	8.78E-06	6.26E-06	1.60E-03	1.93E-03	9.85E-03	8.01E-04	2.14E-04	1.28E-02
5221	479363.09	3865377.25	0.01032	0.01293	0.0039	0.0029	1.69E-03	1.00E-02	7.56E-04	2.14E-04	1.27E-02	1.66E-03	4.34E-07	8.29E-06	6.24E-06	1.68E-03	2.02E-03	1.00E-02	7.56E-04	2.14E-04	1.30E-02
5222	479863.09	3865377.25	0.01075	0.01324	0.0036	0.00284	1.76E-03	1.03E-02	7.00E-04	2.09E-04	1.29E-02	1.73E-03	4.45E-07	7.68E-06	6.11E-06	1.75E-03	2.10E-03	1.03E-02	7.00E-04	2.09E-04	1.33E-02
5223	480363.09	3865377.25	0.01092	0.01367	0.0033	0.00274	1.79E-03	1.06E-02	6.48E-04	2.02E-04	1.32E-02	1.76E-03	4.59E-07	7.10E-06	5.90E-06	1.77E-03	2.14E-03	1.06E-02	6.48E-04	2.02E-04	1.36E-02
5224	480863.09	3865377.25	0.01095	0.01423	0.0032	0.00269	1.79E-03	1.10E-02	6.19E-04	1.98E-04	1.36E-02	1.76E-03	4.78E-07	6.78E-06	5.79E-06	1.78E-03	2.14E-03	1.10E-02	6.19E-04	1.98E-04	1.40E-02
5225	481363.09	3865377.25	0.01103	0.01483	0.0031	0.00266	1.80E-03	1.15E-02	5.99E-04	1.96E-04	1.41E-02	1.78E-03	4.98E-07	6.57E-06	5.73E-06	1.79E-03	2.16E-03	1.15E-02	5.99E-04	1.96E-04	1.45E-02
5226	481863.09	3865377.25	0.01118	0.01539	0.0029	0.00264	1.83E-03	1.19E-02	5.70E-04	1.94E-04	1.45E-02	1.80E-03	5.17E-07	6.25E-06	5.68E-06	1.81E-03	2.19E-03	1.19E-02	5.70E-04	1.94E-04	1.49E-02
5227	482363.09	3865377.25	0.01134	0.01597	0.0028	0.00264	1.85E-03	1.24E-02	5.41E-04	1.94E-04	1.50E-02	1.83E-03	5.36E-07	5.93E-06	5.68E-06	1.84E-03	2.22E-03	1.24E-02	5.41E-04	1.94E-04	1.53E-02
5228	482863.09	3865377.25	0.01128	0.01672	0.0029	0.00271	1.84E-03	1.30E-02	5.66E-04	2.00E-04	1.56E-02	1.82E-03	5.62E-07	6.21E-06	5.83E-06	1.83E-03	2.21E-03	1.30E-02	5.66E-04	2.00E-04	1.59E-02
5229	483363.09	3865377.25	0.01116	0.01735	0.0037	0.00279	1.83E-03	1.35E-02	7.12E-04	2.05E-04	1.62E-02	1.80E-03	5.83E-07	7.80E-06	6.01E-06	1.81E-03	2.18E-03	1.35E-02	7.12E-04	2.05E-04	1.66E-02
5230	483863.09	3865377.25	0.01129	0.01753	0.0044	0.00275	1.85E-03	1.36E-02	8.47E-04	2.02E-04	1.65E-02	1.82E-03	5.89E-07	9.29E-06	5.92E-06	1.83E-03	2.21E-03	1.36E-02	8.47E-04	2.02E-04	1.69E-02
5231	484363.09	3865377.25	0.01149	0.01784	0.0039	0.00264	1.88E-03	1.38E-02	7.52E-04	1.94E-04	1.67E-02	1.85E-03	5.99E-07	8.25E-06	5.68E-06	1.87E-03	2.25E-03	1.38E-02	7.52E-04	1.94E-04	1.70E-02
5232	484863.09	3865377.25	0.01132	0.01853	0.0029	0.00263	1.85E-03	1.44E-02	5.64E-04	1.94E-04	1.70E-02	1.82E-03	6.22E-07	6.19E-06	5.66E-06	1.84E-03	2.22E-03	1.44E-02	5.64E-04	1.94E-04	1.73E-02
5233	485363.09	3865377.25	0.01082	0.019	0.0027	0.00259	1.77E-03	1.47E-02	5.27E-04	1.91E-04	1.72E-02	1.74E-03	6.38E-07	5.78E-06	5.58E-06	1.76E-03	2.12E-03	1.47E-02	5.27E-04	1.91E-04	1.76E-02
5234	485863.09	3865377.25	0.0104	0.0188	0.0028	0.00244	1.70E-03	1.46E-02	5.47E-04	1.80E-04	1.70E-02	1.68E-03	6.32E-07	6.00E-06	5.25E-06	1.69E-03	2.04E-03	1.46E-02	5.47E-04	1.80E-04	1.73E-02
5235	486363.09	3865377.25	0.01005	0.01897	0.0027	0.00243	1.64E-03	1.47E-02	5.16E-04	1.79E-04	1.71E-02	1.62E-03	6.37E-07	5.66E-06	5.23E-06	1.63E-03	1.97E-03	1.47E-02	5.16E-04	1.79E-04	1.74E-02
5236	486863.09	3865377.25	0.00978	0.01896	0.0032	0.00244	1.60E-03	1.47E-02	6.17E-04	1.80E-04	1.71E-02	1.58E-03	6.37E-07	6.76E-06	5.25E-06	1.59E-03	1.91E-03	1.47E-02	6.17E-04	1.80E-04	1.74E-02
5237	487363.09	3865377.25	0.00993	0.01843	0.0039	0.00246	1.62E-03	1.43E-02	7.54E-04	1.81E-04	1.69E-02	1.60E-03	6.19E-07	8.27E-06	5.30E-06	1.61E-03	1.94E-03	1.43E-02	7.54E-04	1.81E-04	1.72E-02
5238	487863.09	3865377.25	0.01046	0.01818	0.0041	0.00252	1.71E-03	1.41E-02	7.95E-04	1.86E-04	1.68E-02	1.69E-03	6.11E-07	8.72E-06	5.42E-06	1.70E-03	2.05E-03	1.41E-02	7.95E-04	1.86E-04	1.71E-02
5239	488363.09	3865377.25	0.01089	0.01797	0.0038	0.00254	1.78E-03	1.39E-02	7.43E-04	1.87E-04	1.67E-02	1.75E-03	6.04E-07	8.14E-06	5.47E-06	1.77E-03	2.13E-03	1.39E-02	7.43E-04	1.87E-04	1.70E-02
5240	488863.09	3865377.25	0.01099	0.01797	0.0029	0.00238	1.80E-03	1.39E-02	5.70E-04	1.75E-04	1.65E-02	1.77E-03	6.04E-07	6.25E-06	5.12E-06	1.78E-03	2.15E-03	1.39E-02	5.70E-04	1.75E-04	1.68E-02
5241	489363.09	3865377.25	0.01071	0.01831	0.0025	0.0023	1.75E-03	1.42E-02	4.91E-04	1.69E-04	1.66E-02	1.73E-03	6.15E-07	5.38E-06	4.95E-06	1.74E-03	2.10E-03	1.42E-02	4.91E-04	1.69E-04	1.70E-02
5242	489863.09	3865377.25	0.01038	0.01859	0.0027	0.00234	1.70E-03	1.44E-02	5.18E-04	1.72E-04	1.68E-02	1.67E-03	6.24E-07	5.68E-06	5.04E-06	1.68E-03	2.03E-03	1.44E-02	5.18E-04	1.72E-04	1.71E-02

5243	490363.09	3865377.25	0.01067	0.0177	0.0025	0.00232	1.75E-03	1.37E-02	4.87E-04	1.71E-04	1.61E-02	1.72E-03	5.95E-07	5.34E-06	4.99E-06	1.73E-03	2.09E-03	1.37E-02	4.87E-04	1.71E-04	1.65E-02
5244	490863.09	3865377.25	0.01116	0.01707	0.0021	0.00242	1.83E-03	1.32E-02	4.01E-04	1.78E-04	1.56E-02	1.80E-03	5.73E-07	4.40E-06	5.21E-06	1.81E-03	2.18E-03	1.32E-02	4.01E-04	1.78E-04	1.60E-02
5245	491363.09	3865377.25	0.01174	0.01662	0.0022	0.00262	1.92E-03	1.29E-02	4.17E-04	1.93E-04	1.54E-02	1.89E-03	5.58E-07	4.57E-06	5.64E-06	1.90E-03	2.30E-03	1.29E-02	4.17E-04	1.93E-04	1.58E-02
5246	491863.09	3865377.25	0.01177	0.01701	0.0025	0.00287	1.93E-03	1.32E-02	4.81E-04	2.11E-04	1.58E-02	1.90E-03	5.71E-07	5.27E-06	6.18E-06	1.91E-03	2.30E-03	1.32E-02	4.81E-04	2.11E-04	1.62E-02
5247	492363.09	3865377.25	0.01061	0.01233	0.003	0.00352	1.74E-03	9.56E-03	5.88E-04	2.59E-04	1.21E-02	1.71E-03	4.14E-07	6.44E-06	7.58E-06	1.72E-03	2.08E-03	9.56E-03	5.88E-04	2.59E-04	1.25E-02
5248	492863.09	3865377.25	0.00956	0.00885	0.0037	0.0028	1.56E-03	6.86E-03	7.21E-04	2.06E-04	9.36E-03	1.54E-03	2.97E-07	7.91E-06	6.03E-06	1.55E-03	1.87E-03	6.87E-03	7.21E-04	2.06E-04	9.66E-03
5249	493363.09	3865377.25	0.00812	0.00748	0.0039	0.00243	1.33E-03	5.80E-03	7.58E-04	1.79E-04	8.07E-03	1.31E-03	2.51E-07	8.31E-06	5.23E-06	1.32E-03	1.59E-03	5.80E-03	7.58E-04	1.79E-04	8.33E-03
5250	493863.09	3865377.25	0.01097	0.01218	0.0061	0.0029	1.79E-03	9.45E-03	1.18E-03	2.14E-04	1.26E-02	1.77E-03	4.09E-07	1.29E-05	6.24E-06	1.79E-03	2.15E-03	9.45E-03	1.18E-03	2.14E-04	1.30E-02
5251	494363.09	3865377.25	0.01105	0.01667	0.0048	0.00289	1.81E-03	1.29E-02	9.23E-04	2.13E-04	1.59E-02	1.78E-03	5.60E-07	1.01E-05	6.22E-06	1.80E-03	2.16E-03	1.29E-02	9.23E-04	2.13E-04	1.62E-02
5252	494863.09	3865377.25	0.01184	0.01762	0.004	0.00276	1.94E-03	1.37E-02	7.78E-04	2.03E-04	1.66E-02	1.91E-03	5.92E-07	8.53E-06	5.94E-06	1.92E-03	2.32E-03	1.37E-02	7.78E-04	2.03E-04	1.70E-02
5253	495363.09	3865377.25	0.01261	0.01756	0.0039	0.0026	2.06E-03	1.36E-02	7.64E-04	1.91E-04	1.66E-02	2.03E-03	5.90E-07	8.38E-06	5.60E-06	2.05E-03	2.47E-03	1.36E-02	7.64E-04	1.91E-04	1.70E-02
5254	495863.09	3865377.25	0.01285	0.01797	0.0044	0.0025	2.10E-03	1.39E-02	8.47E-04	1.84E-04	1.71E-02	2.07E-03	6.04E-07	9.29E-06	5.38E-06	2.09E-03	2.51E-03	1.39E-02	8.47E-04	1.84E-04	1.75E-02
5255	496363.09	3865377.25	0.01262	0.01783	0.0046	0.00249	2.06E-03	1.38E-02	8.86E-04	1.83E-04	1.70E-02	2.03E-03	5.99E-07	9.72E-06	5.36E-06	2.05E-03	2.47E-03	1.38E-02	8.86E-04	1.83E-04	1.74E-02
5256	496863.09	3865377.25	0.01205	0.01795	0.0043	0.00256	1.97E-03	1.39E-02	8.36E-04	1.88E-04	1.69E-02	1.94E-03	6.03E-07	9.16E-06	5.51E-06	1.96E-03	2.36E-03	1.39E-02	8.36E-04	1.88E-04	1.73E-02
5257	497363.09	3865377.25	0.01143	0.01874	0.004	0.00262	1.87E-03	1.45E-02	7.68E-04	1.93E-04	1.74E-02	1.84E-03	6.30E-07	8.42E-06	5.64E-06	1.86E-03	2.24E-03	1.45E-02	7.68E-04	1.93E-04	1.77E-02
5258	497863.09	3865377.25	0.01106	0.01922	0.0038	0.00268	1.81E-03	1.49E-02	7.27E-04	1.97E-04	1.76E-02	1.78E-03	6.46E-07	7.97E-06	5.77E-06	1.80E-03	2.16E-03	1.49E-02	7.27E-04	1.97E-04	1.80E-02
5259	498363.09	3865377.25	0.01099	0.01942	0.0037	0.00269	1.80E-03	1.51E-02	7.14E-04	1.98E-04	1.78E-02	1.77E-03	6.52E-07	7.82E-06	5.79E-06	1.79E-03	2.15E-03	1.51E-02	7.14E-04	1.98E-04	1.81E-02
5260	471363.09	3865877.25	0.00565	0.00707	0.0032	0.00232	9.24E-04	5.48E-03	6.24E-04	1.71E-04	7.20E-03	9.10E-04	2.37E-07	6.85E-06	4.99E-06	9.22E-04	1.11E-03	5.48E-03	6.24E-04	1.71E-04	7.39E-03
5261	471863.09	3865877.25	0.00577	0.00737	0.0034	0.00235	9.44E-04	5.72E-03	6.53E-04	1.73E-04	7.49E-03	9.30E-04	2.48E-07	7.17E-06	5.06E-06	9.42E-04	1.13E-03	5.72E-03	6.53E-04	1.73E-04	7.67E-03
5262	472363.09	3865877.25	0.00595	0.00763	0.0035	0.00236	9.73E-04	5.92E-03	6.81E-04	1.74E-04	7.75E-03	9.59E-04	2.56E-07	7.46E-06	5.08E-06	9.72E-04	1.16E-03	5.92E-03	6.81E-04	1.74E-04	7.94E-03
5263	472863.09	3865877.25	0.00609	0.00794	0.0036	0.00237	9.96E-04	6.16E-03	7.00E-04	1.74E-04	8.03E-03	9.81E-04	2.67E-07	7.68E-06	5.10E-06	9.94E-04	1.19E-03	6.16E-03	7.00E-04	1.74E-04	8.23E-03
5264	473363.09	3865877.25	0.00625	0.00822	0.0037	0.00236	1.02E-03	6.38E-03	7.08E-04	1.74E-04	8.28E-03	1.01E-03	2.76E-07	7.76E-06	5.08E-06	1.02E-03	1.22E-03	6.38E-03	7.08E-04	1.74E-04	8.48E-03
5265	473863.09	3865877.25	0.00642	0.00847	0.0037	0.00235	1.05E-03	6.57E-03	7.17E-04	1.73E-04	8.51E-03	1.03E-03	2.85E-07	7.87E-06	5.06E-06	1.05E-03	1.26E-03	6.57E-03	7.17E-04	1.73E-04	8.72E-03
5266	474363.09	3865877.25	0.00658	0.00873	0.0037	0.00235	1.08E-03	6.77E-03	7.19E-04	1.73E-04	8.74E-03	1.06E-03	2.93E-07	7.89E-06	5.06E-06	1.07E-03	1.29E-03	6.77E-03	7.19E-04	1.73E-04	8.95E-03
5267	474863.09	3865877.25	0.00678	0.009	0.0037	0.00236	1.11E-03	6.98E-03	7.25E-04	1.74E-04	8.99E-03	1.09E-03	3.02E-07	7.95E-06	5.08E-06	1.11E-03	1.33E-03	6.98E-03	7.25E-04	1.74E-04	9.21E-03
5268	475363.09	3865877.25	0.00701	0.00931	0.0038	0.0024	1.15E-03	7.22E-03	7.27E-04	1.77E-04	9.27E-03	1.13E-03	3.13E-07	7.97E-06	5.17E-06	1.14E-03	1.37E-03	7.22E-03	7.27E-04	1.77E-04	9.50E-03
5269	475863.09	3865877.25	0.00731	0.00966	0.0038	0.00245	1.20E-03	7.49E-03	7.37E-04	1.80E-04	9.61E-03	1.18E-03	3.24E-07	8.08E-06	5.27E-06	1.19E-03	1.43E-03	7.49E-03	7.37E-04	1.80E-04	9.84E-03
5270	476363.09	3865877.25	0.00775	0.00973	0.004	0.00248	1.27E-03	7.55E-03	7.70E-04	1.83E-04	9.77E-03	1.25E-03	3.27E-07	8.44E-06	5.34E-06	1.26E-03	1.52E-03	7.55E-03	7.70E-04	1.83E-04	1.00E-02
5271	476863.09	3865877.25	0.00802	0.00936	0.0041	0.00257	1.31E-03	7.26E-03	8.01E-04	1.89E-04	9.56E-03	1.29E-03	3.14E-07	8.78E-06	5.53E-06	1.31E-03	1.57E-03	7.26E-03	8.01E-04	1.89E-04	9.82E-03
5272	477363.09	3865877.25	0.00828	0.01065	0.0041	0.00261	1.35E-03	8.26E-03	7.99E-04	1.92E-04	1.06E-02	1.33E-03	3.58E-07	8.76E-06	5.62E-06	1.35E-03	1.62E-03	8.26E-03	7.99E-04	1.92E-04	1.09E-02
5273	477863.09	3865877.25	0.00854	0.01107	0.004	0.00271	1.40E-03	8.59E-03	7.78E-04	2.00E-04	1.10E-02	1.38E-03	3.72E-07	8.53E-06	5.83E-06	1.39E-03	1.67E-03	8.59E-03	7.78E-04	2.00E-04	1.12E-02
5274	478363.09	3865877.25	0.00895	0.01132	0.0039	0.00275	1.46E-03	8.78E-03	7.56E-04	2.02E-04	1.12E-02	1.44E-03	3.80E-07	8.29E-06	5.92E-06	1.46E-03	1.75E-03	8.78E-03	7.56E-04	2.02E-04	1.15E-02
5275	478863.09	3865877.25	0.00936	0.01152	0.0037	0.00274	1.53E-03	8.94E-03	7.08E-04	2.02E-04	1.14E-02	1.51E-03	3.87E-07	7.76E-06	5.90E-06	1.52E-03	1.83E-03	8.94E-03	7.08E-04	2.02E-04	1.17E-02
5276	479363.09	3865877.25	0.00973	0.01179	0.0034	0.00269	1.59E-03	9.15E-03	6.50E-04	1.98E-04	1.16E-02	1.57E-03	3.96E-07	7.12E-06	5.79E-06	1.58E-03	1.90E-03	9.15E-03	6.50E-04	1.98E-04	1.19E-02
5277	479863.09	3865877.25	0.00996	0.01218	0.0031	0.0026	1.63E-03	9.45E-03	6.03E-04	1.91E-04	1.19E-02	1.60E-03	4.09E-07	6.61E-06	5.60E-06	1.62E-03	1.95E-03	9.45E-03	6.03E-04	1.91E-04	1.22E-02
5278	480363.09	3865877.25	0.01005	0.01268	0.003	0.00252	1.64E-03	9.84E-03	5.78E-04	1.86E-04	1.22E-02	1.62E-03	4.26E-07	6.34E-06	5.42E-06	1.63E-03	1.97E-03	9.84E-03	5.78E-04	1.86E-04	1.26E-02
5279	480863.09	3865877.25	0.0101	0.01318	0.0029	0.00248	1.65E-03	1.02E-02	5.60E-04	1.83E-04	1.26E-02	1.63E-03	4.43E-07	6.14E-06	5.34E-06	1.64E-03	1.98E-03	1.02E-02	5.60E-04	1.83E-04	1.29E-02
5280	481363.09	3865877.25	0.01014	0.01361	0.0028	0.00244	1.66E-03	1.06E-02	5.37E-04	1.80E-04	1.29E-02	1.63E-03	4.57E-07	5.89E-06	5.25E-06	1.65E-03	1.98E-03	1.06E-02	5.37E-04	1.80E-04	1.33E-02
5281	481863.09	3865877.25	0.01025	0.01408	0.0026	0.00242	1.68E-03	1.09E-02	5.10E-04	1.78E-04	1.33E-02	1.65E-03	4.73E-07	5.59E-06	5.21E-06	1.66E-03	2.01E-03	1.09E-02	5.10E-04	1.78E-04	1.36E-02
5282	482363.09	3865877.25	0.01033	0.01469	0.0027	0.00246	1.69E-03	1.14E-02	5.16E-04	1.81E-04	1.38E-02	1.66E-03	4.93E-07	5.66E-06	5.30E-06	1.68E-03	2.02E-03	1.14E-02	5.16E-04	1.81E-04	1.41E-02
5283	482863.09	3865877.25	0.01024	0.01537	0.0032	0.00256	1.67E-03	1.19E-02	6.19E-04	1.88E-04	1.44E-02	1.65E-03	5.16E-07	6.78E-06	5.51E-06	1.66E-03	2.00E-03	1.19E-02	6.19E-04	1.88E-04	1.47E-02
5284	483363.09	3865877.25	0.01022	0.0157	0.004	0.00261	1.67E-03	1.22E-02	7.81E-04	1.92E-04	1.48E-02	1.65E-03	5.27E-07	8.57E-06	5.62E-06	1.66E-03	2.00E-03	1.22E-02	7.81E-04	1.92E-04	1.52E-02
5285	483863.09	3865877.25	0.01044	0.01579	0.0041	0.00255	1.71E-03	1.22E-02	7.99E-04	1.88E-04	1.49E-02	1.68E-03	5.30E-07	8.76E-06	5.49E-06	1.70E-03	2.04E-03	1.22E-02	7.99E-04	1.88E-04	1.53E-02
5286	484363.09	3865877.25	0.01059	0.01616	0.0032	0.00253	1.73E-03	1.25E-02	6.28E-04	1.86E-04	1.51E-02	1.71E-03	5.43E-07	6.89E-06	5.45E-06	1.72E-03	2.07E-03	1.25E-02	6.28E-04	1.86E-04	1.54E-02
5287	484863.09	3865877.25	0.01033	0.01664	0.0026	0.00253	1.69E-03	1.29E-02	5.02E-04	1.86E-04	1.53E-02	1.66E-03	5.59E-07	5.51E-06	5.45E-06	1.68E-03	2.02E-03	1.29E-02	5.02E-04	1.86E-04	1.56E-02
5288	485363.09	3865877.25	0.0099	0.0167	0.0027	0.00238	1.62E-03	1.30E-02	5.25E-04	1.75E-04	1.53E-02	1.60E-03	5.61E-07	5.76E-06	5.12E-06	1.61E-03	1.94E-03	1.30E-02	5.25E-04	1.75E-04	1.56E-02
5289	485863.09	3865877.25	0.00955	0.01647	0.0026	0.00226	1.56E-03	1.28E-02	5.10E-04	1.66E-04	1.50E-02	1.54E-03	5.53E-07	5.59E-06	4.87E-06	1.55E-03	1.87E-03	1.28E-02	5.10E-04	1.66E-04	1.53E-02
5290	486363.09	3865877.25	0.00919	0.01684	0.0026	0.0023	1.50E-03	1.31E-02	4.96E-04	1.69E-04	1.52E-02	1.48E-03	5.66E-07	5.44E-06	4.95E-06	1.49E-03	1.80E-03	1.31E-02	4.96E-04	1.69E-04	1.55E-02
5291	486863.09	3865877.25	0.00893	0.01676	0.0031	0.00231	1.46E-03	1.30E-02	6.09E-04	1.70E-04	1.52E-02	1.44E-03	5.63E-07	6.68E-06	4.97E-06	1.45E-03	1.75E-03	1.30E-02	6.09E-04	1.70E-04	1.55E-02
5292	487363.09	3865877.25	0.00902	0.01629	0.0038	0.00234	1.48E-03	1.26E-02	7.29E-04	1.72E-04	1.50E-02	1.45E-03	5.47E-07	7.99E-06	5.04E-06	1.47E-03	1.77E-03	1.26E-02	7.29E-04	1.72E-04	1.53E-02
5293	487863.09	3865877.25	0.00954	0.01608	0.0039	0.00239	1.56E-03	1.25E-02	7.60E-04	1.76E-04	1.50E-02	1.54E-03	5.40E-07	8.33E-06	5.15E-06	1.55E-03	1.87E-03	1.25E-02	7.60E-04	1.76E-04	1.53E-02
5294	488363.09	3865877.25	0.00996	0.01581	0.0037	0.00237	1.63E-03	1.23E-02	7.08E-04	1.74E-04	1.48E-02	1.60E-03	5.31E-07	7.76E-06	5.10E-06	1.62E-03	1.95E-03	1.23E-02	7.08E-04	1.74E-04	1.51E-02
5295	488863.09	3865877.25	0.01017	0.01579	0.0029	0.00224	1.66E-03	1.22E-02	5.55E-04	1.65E-04	1.46E-02	1.64E-03	5.30E-07	6.08E-06	4.82E-06	1.65E-03	1.99E-03	1.22E-02	5.55E-04	1.65E-04	1.50E-02
5296	489363.09	3865877.25	0.01005	0.01616	0.0024	0.00214	1.64E-03	1.25E-02	4.69E-04	1.58E-04	1.48E-02	1.62E-03	5.43E-07	5.15E-06	4.61E-06	1.63E-03	1.97E-03	1.25E-02	4.69E-04	1.58E-04	1.51E-02
5297	489863.09	3865877.25	0.0097	0.01647	0.0026	0.00218	1.59E-03	1.28E-02	5.00E-04	1.61E-04	1.50E-02	1.56E-03	5.53E-07	5.49E-06	4.69E-06	1.57E-03	1.90E-03	1.28E-02	5.00E-04	1.61E-04	1.53E-02
5298	490363.09	3865877.25	0.00962	0.01627	0.0026	0.00217	1.57E-03	1.26E-02	5.06E-04	1.60E-04	1.49E-02	1.55E-03	5.47E-07	5.55E-06	4.67E-06	1.56E-03	1.88E-03	1.26E-02	5.06E-04	1.60E-04	1.52E-02
5299	490863.09	3865877.25	0.00991	0.01549	0.002	0.00219	1.62E-03	1.20E-02	3.96E-04	1.61E-04	1.42E-02	1.60E-03	5.20E-07	4.34E-06	4.71E-06	1.61E-03	1.94E-03	1.20E-02	3.96E-04	1.61E-04	1.45E-02
5300	491363.09	3865877.25	0.0105	0.0143	0.0019	0.00233	1.72E-03	1.11E-02	3.76E-04	1.72E-04	1.34E-02	1.69E-03	4.80E-07	4.12E-06	5.02E-06	1.70E-03	2.05E-03	1.11E-02	3.76E-04	1.72E-04	1.37E-02
5301	491863.09	3865877.25	0.01096	0.01408	0.0021	0.00256	1.79E-03	1.09E-02	4.15E-04	1.88E-04	1.33E-02	1.77E-03	4.73E-07	4.55E-06	5.51E-06	1.78E-03	2.14E-03	1.09E-02	4.15E-04	1.88E-04	1.37E-02
5302	492363.09	3865877.25	0.01039	0.01301	0.0025	0.00282	1.70E-03	1.01E-02	4.85E-04	2.08E-04	1.25E-02	1.67E-03	4.37E-07	5.32E-06	6.07E-06	1.69E-03	2.03E-03	1.01E-02	4.85E-04	2.08E-04	1.28E-02
5303	492863.09	3865877.25	0.00873	0.0085	0.003	0.00277	1.43E-03	6.59E-03	5.88E-04	2.04E-04	8.81E-03	1.41E-03	2.86E-07	6.44E-06	5.96E-06	1.42E-03	1.71E-03	6.59E-03	5.88E-04	2.04E-04	9.09E-03

5304	493363.09	3865877.25	0.00935	0.0087	0.0039	0.00279	1.53E-03	6.75E-03	7.62E-04	2.05E-04	9.25E-03	1.51E-03	2.92E-07	8.36E-06	6.01E-06	1.52E-03	1.83E-03	6.75E-03	7.62E-04	2.05E-04	9.55E-03
5305	493863.09	3865877.25	0.01064	0.01122	0.0046	0.00264	1.74E-03	8.70E-03	8.94E-04	1.94E-04	1.15E-02	1.71E-03	3.77E-07	9.80E-06	5.68E-06	1.73E-03	2.08E-03	8.70E-03	8.94E-04	1.94E-04	1.19E-02
5306	494363.09	3865877.25	0.01073	0.01443	0.0047	0.00265	1.76E-03	1.12E-02	9.17E-04	1.95E-04	1.41E-02	1.73E-03	4.85E-07	1.01E-05	5.70E-06	1.75E-03	2.10E-03	1.12E-02	9.17E-04	1.95E-04	1.44E-02
5307	494863.09	3865877.25	0.01067	0.01679	0.004	0.00264	1.75E-03	1.30E-02	7.83E-04	1.94E-04	1.57E-02	1.72E-03	5.64E-07	8.59E-06	5.68E-06	1.73E-03	2.09E-03	1.30E-02	7.83E-04	1.94E-04	1.61E-02
5308	495363.09	3865877.25	0.01098	0.01637	0.0037	0.00259	1.80E-03	1.27E-02	7.21E-04	1.91E-04	1.54E-02	1.77E-03	5.50E-07	7.91E-06	5.58E-06	1.78E-03	2.15E-03	1.27E-02	7.21E-04	1.91E-04	1.58E-02
5309	495863.09	3865877.25	0.01154	0.01551	0.0037	0.00244	1.89E-03	1.20E-02	7.14E-04	1.80E-04	1.48E-02	1.86E-03	5.21E-07	7.82E-06	5.25E-06	1.87E-03	2.26E-03	1.20E-02	7.14E-04	1.80E-04	1.52E-02
5310	496363.09	3865877.25	0.01192	0.01499	0.0041	0.00232	1.95E-03	1.16E-02	7.85E-04	1.71E-04	1.45E-02	1.92E-03	5.04E-07	8.61E-06	4.99E-06	1.93E-03	2.33E-03	1.16E-02	7.85E-04	1.71E-04	1.49E-02
5311	496863.09	3865877.25	0.01172	0.01466	0.0044	0.00232	1.92E-03	1.14E-02	8.43E-04	1.71E-04	1.43E-02	1.89E-03	4.92E-07	9.25E-06	4.99E-06	1.90E-03	2.29E-03	1.14E-02	8.43E-04	1.71E-04	1.47E-02
5312	497363.09	3865877.25	0.01115	0.0154	0.0041	0.00236	1.82E-03	1.19E-02	7.97E-04	1.74E-04	1.47E-02	1.80E-03	5.17E-07	8.74E-06	5.08E-06	1.81E-03	2.18E-03	1.19E-02	7.97E-04	1.74E-04	1.51E-02
5313	497863.09	3865877.25	0.01062	0.01596	0.0037	0.00243	1.74E-03	1.24E-02	7.17E-04	1.79E-04	1.50E-02	1.71E-03	5.36E-07	7.87E-06	5.23E-06	1.72E-03	2.08E-03	1.24E-02	7.17E-04	1.79E-04	1.54E-02
5314	498363.09	3865877.25	0.01009	0.01567	0.0034	0.00254	1.65E-03	1.22E-02	6.52E-04	1.87E-04	1.46E-02	1.63E-03	5.26E-07	7.14E-06	5.47E-06	1.64E-03	1.97E-03	1.22E-02	6.52E-04	1.87E-04	1.50E-02
5315	471363.09	3866377.25	0.00537	0.00692	0.0033	0.00225	8.78E-04	5.37E-03	6.42E-04	1.66E-04	7.05E-03	8.65E-04	2.32E-07	7.04E-06	4.84E-06	8.77E-04	1.05E-03	5.37E-03	6.42E-04	1.66E-04	7.23E-03
5316	471863.09	3866377.25	0.00555	0.00712	0.0035	0.00225	9.08E-04	5.52E-03	6.75E-04	1.66E-04	7.27E-03	8.94E-04	2.39E-07	7.40E-06	4.84E-06	9.07E-04	1.09E-03	5.52E-03	6.75E-04	1.66E-04	7.45E-03
5317	472363.09	3866377.25	0.00571	0.00734	0.0036	0.00224	9.34E-04	5.69E-03	6.88E-04	1.65E-04	7.48E-03	9.20E-04	2.47E-07	7.55E-06	4.82E-06	9.33E-04	1.12E-03	5.69E-03	6.88E-04	1.65E-04	7.66E-03
5318	472863.09	3866377.25	0.00583	0.00759	0.0035	0.00224	9.54E-04	5.89E-03	6.77E-04	1.65E-04	7.68E-03	9.39E-04	2.55E-07	7.42E-06	4.82E-06	9.52E-04	1.14E-03	5.89E-03	6.77E-04	1.65E-04	7.87E-03
5319	473363.09	3866377.25	0.00597	0.0078	0.0035	0.00223	9.76E-04	6.05E-03	6.81E-04	1.64E-04	7.87E-03	9.62E-04	2.62E-07	7.46E-06	4.80E-06	9.74E-04	1.17E-03	6.05E-03	6.81E-04	1.64E-04	8.06E-03
5320	473863.09	3866377.25	0.00609	0.00802	0.0035	0.00223	9.96E-04	6.22E-03	6.81E-04	1.64E-04	8.06E-03	9.81E-04	2.69E-07	7.46E-06	4.80E-06	9.94E-04	1.19E-03	6.22E-03	6.81E-04	1.64E-04	8.26E-03
5321	474363.09	3866377.25	0.00624	0.00826	0.0035	0.00225	1.02E-03	6.41E-03	6.83E-04	1.66E-04	8.28E-03	1.01E-03	2.77E-07	7.48E-06	4.84E-06	1.02E-03	1.22E-03	6.41E-03	6.83E-04	1.66E-04	8.48E-03
5322	474863.09	3866377.25	0.00645	0.00853	0.0036	0.00229	1.05E-03	6.62E-03	6.90E-04	1.69E-04	8.53E-03	1.04E-03	2.87E-07	7.57E-06	4.93E-06	1.05E-03	1.26E-03	6.62E-03	6.90E-04	1.69E-04	8.74E-03
5323	475363.09	3866377.25	0.0067	0.00882	0.0036	0.00233	1.10E-03	6.84E-03	6.94E-04	1.72E-04	8.80E-03	1.08E-03	2.96E-07	7.61E-06	5.02E-06	1.09E-03	1.31E-03	6.84E-03	6.94E-04	1.72E-04	9.02E-03
5324	475863.09	3866377.25	0.00696	0.00913	0.0036	0.00238	1.14E-03	7.08E-03	7.00E-04	1.75E-04	9.10E-03	1.12E-03	3.07E-07	7.68E-06	5.12E-06	1.13E-03	1.36E-03	7.08E-03	7.00E-04	1.75E-04	9.32E-03
5325	476363.09	3866377.25	0.00735	0.00932	0.0039	0.00242	1.20E-03	7.23E-03	7.47E-04	1.78E-04	9.36E-03	1.18E-03	3.13E-07	8.19E-06	5.21E-06	1.20E-03	1.44E-03	7.23E-03	7.47E-04	1.78E-04	9.59E-03
5326	476863.09	3866377.25	0.00759	0.00848	0.0041	0.00251	1.24E-03	6.58E-03	7.85E-04	1.85E-04	8.79E-03	1.22E-03	2.85E-07	8.61E-06	5.40E-06	1.24E-03	1.49E-03	6.58E-03	7.85E-04	1.85E-04	9.03E-03
5327	477363.09	3866377.25	0.00797	0.0095	0.004	0.00252	1.30E-03	7.37E-03	7.70E-04	1.86E-04	9.63E-03	1.28E-03	3.19E-07	8.44E-06	5.42E-06	1.30E-03	1.56E-03	7.37E-03	7.70E-04	1.86E-04	9.88E-03
5328	477863.09	3866377.25	0.00823	0.01014	0.0038	0.00263	1.35E-03	7.87E-03	7.29E-04	1.94E-04	1.01E-02	1.33E-03	3.41E-07	7.99E-06	5.66E-06	1.34E-03	1.61E-03	7.87E-03	7.29E-04	1.94E-04	1.04E-02
5329	478363.09	3866377.25	0.00852	0.01037	0.0034	0.0026	1.39E-03	8.04E-03	6.61E-04	1.91E-04	1.03E-02	1.37E-03	3.48E-07	7.25E-06	5.60E-06	1.39E-03	1.67E-03	8.04E-03	6.61E-04	1.91E-04	1.06E-02
5330	478863.09	3866377.25	0.00886	0.01063	0.0031	0.00256	1.45E-03	8.25E-03	6.09E-04	1.88E-04	1.05E-02	1.43E-03	3.57E-07	6.68E-06	5.51E-06	1.44E-03	1.73E-03	8.25E-03	6.09E-04	1.88E-04	1.08E-02
5331	479363.09	3866377.25	0.00914	0.011	0.0029	0.0025	1.49E-03	8.53E-03	5.70E-04	1.84E-04	1.08E-02	1.47E-03	3.70E-07	6.25E-06	5.38E-06	1.48E-03	1.79E-03	8.53E-03	5.70E-04	1.84E-04	1.11E-02
5332	479863.09	3866377.25	0.00933	0.01144	0.0028	0.00242	1.53E-03	8.87E-03	5.51E-04	1.78E-04	1.11E-02	1.50E-03	3.84E-07	6.04E-06	5.21E-06	1.51E-03	1.83E-03	8.87E-03	5.51E-04	1.78E-04	1.14E-02
5333	480363.09	3866377.25	0.00941	0.01185	0.0028	0.00236	1.54E-03	9.19E-03	5.35E-04	1.74E-04	1.14E-02	1.52E-03	3.98E-07	5.87E-06	5.08E-06	1.53E-03	1.84E-03	9.19E-03	5.35E-04	1.74E-04	1.17E-02
5334	480863.09	3866377.25	0.00938	0.01218	0.0026	0.00229	1.53E-03	9.45E-03	5.12E-04	1.69E-04	1.17E-02	1.51E-03	4.09E-07	5.61E-06	4.93E-06	1.52E-03	1.84E-03	9.45E-03	5.12E-04	1.69E-04	1.20E-02
5335	481363.09	3866377.25	0.0094	0.01256	0.0025	0.00225	1.54E-03	9.74E-03	4.87E-04	1.66E-04	1.19E-02	1.51E-03	4.22E-07	5.34E-06	4.84E-06	1.53E-03	1.84E-03	9.74E-03	4.87E-04	1.66E-04	1.22E-02
5336	481863.09	3866377.25	0.00944	0.01305	0.0025	0.00226	1.54E-03	1.01E-02	4.77E-04	1.66E-04	1.23E-02	1.52E-03	4.38E-07	5.23E-06	4.87E-06	1.53E-03	1.85E-03	1.01E-02	4.77E-04	1.66E-04	1.26E-02
5337	482363.09	3866377.25	0.00946	0.01365	0.0028	0.00233	1.55E-03	1.06E-02	5.45E-04	1.72E-04	1.29E-02	1.52E-03	4.59E-07	5.97E-06	5.02E-06	1.54E-03	1.85E-03	1.06E-02	5.45E-04	1.72E-04	1.32E-02
5338	482863.09	3866377.25	0.00939	0.01411	0.0036	0.00243	1.54E-03	1.09E-02	6.96E-04	1.79E-04	1.34E-02	1.51E-03	4.74E-07	7.63E-06	5.23E-06	1.53E-03	1.84E-03	1.09E-02	6.96E-04	1.79E-04	1.37E-02
5339	483363.09	3866377.25	0.00946	0.01423	0.0041	0.00243	1.55E-03	1.10E-02	7.93E-04	1.79E-04	1.36E-02	1.52E-03	4.78E-07	8.70E-06	5.23E-06	1.54E-03	1.85E-03	1.10E-02	7.93E-04	1.79E-04	1.39E-02
5340	483863.09	3866377.25	0.00969	0.01435	0.0036	0.00242	1.58E-03	1.11E-02	6.92E-04	1.78E-04	1.36E-02	1.56E-03	4.82E-07	7.59E-06	5.21E-06	1.57E-03	1.90E-03	1.11E-02	6.92E-04	1.78E-04	1.39E-02
5341	484363.09	3866377.25	0.00972	0.01468	0.0027	0.00245	1.59E-03	1.14E-02	5.27E-04	1.80E-04	1.37E-02	1.57E-03	4.93E-07	5.78E-06	5.27E-06	1.58E-03	1.90E-03	1.14E-02	5.27E-04	1.80E-04	1.40E-02
5342	484863.09	3866377.25	0.00949	0.01498	0.0025	0.0024	1.55E-03	1.16E-02	4.79E-04	1.77E-04	1.38E-02	1.53E-03	5.03E-07	5.25E-06	5.17E-06	1.54E-03	1.86E-03	1.16E-02	4.79E-04	1.77E-04	1.41E-02
5343	485363.09	3866377.25	0.00912	0.01472	0.0027	0.00218	1.49E-03	1.14E-02	5.18E-04	1.61E-04	1.36E-02	1.47E-03	4.94E-07	5.68E-06	4.69E-06	1.48E-03	1.78E-03	1.14E-02	5.18E-04	1.61E-04	1.39E-02
5344	485863.09	3866377.25	0.00878	0.01461	0.0024	0.00212	1.44E-03	1.13E-02	4.73E-04	1.56E-04	1.34E-02	1.41E-03	4.91E-07	5.19E-06	4.56E-06	1.42E-03	1.72E-03	1.13E-02	4.73E-04	1.56E-04	1.37E-02
5345	486363.09	3866377.25	0.00845	0.01508	0.0025	0.00218	1.38E-03	1.17E-02	4.83E-04	1.61E-04	1.37E-02	1.36E-03	5.07E-07	5.29E-06	4.69E-06	1.37E-03	1.65E-03	1.17E-02	4.83E-04	1.61E-04	1.40E-02
5346	486863.09	3866377.25	0.00821	0.01496	0.0031	0.0022	1.34E-03	1.16E-02	6.03E-04	1.62E-04	1.37E-02	1.32E-03	5.03E-07	6.61E-06	4.74E-06	1.33E-03	1.61E-03	1.16E-02	6.03E-04	1.62E-04	1.40E-02
5347	487363.09	3866377.25	0.00843	0.01468	0.0037	0.00231	1.38E-03	1.14E-02	7.25E-04	1.70E-04	1.37E-02	1.36E-03	4.93E-07	7.95E-06	4.97E-06	1.37E-03	1.65E-03	1.14E-02	7.25E-04	1.70E-04	1.39E-02
5348	487863.09	3866377.25	0.00897	0.0144	0.004	0.00232	1.47E-03	1.12E-02	7.78E-04	1.71E-04	1.36E-02	1.45E-03	4.84E-07	8.53E-06	4.99E-06	1.46E-03	1.76E-03	1.12E-02	7.78E-04	1.71E-04	1.39E-02
5349	488363.09	3866377.25	0.0094	0.01411	0.0037	0.00228	1.54E-03	1.09E-02	7.25E-04	1.68E-04	1.34E-02	1.51E-03	4.74E-07	7.95E-06	4.91E-06	1.53E-03	1.84E-03	1.09E-02	7.25E-04	1.68E-04	1.37E-02
5350	488863.09	3866377.25	0.00971	0.01369	0.003	0.0021	1.59E-03	1.06E-02	5.74E-04	1.55E-04	1.29E-02	1.56E-03	4.60E-07	6.29E-06	4.52E-06	1.58E-03	1.90E-03	1.06E-02	5.74E-04	1.55E-04	1.32E-02
5351	489363.09	3866377.25	0.00965	0.01378	0.0023	0.00198	1.58E-03	1.07E-02	4.54E-04	1.46E-04	1.29E-02	1.55E-03	4.63E-07	4.98E-06	4.26E-06	1.56E-03	1.89E-03	1.07E-02	4.54E-04	1.46E-04	1.32E-02
5352	489863.09	3866377.25	0.00933	0.01329	0.0026	0.00211	1.53E-03	1.03E-02	5.12E-04	1.55E-04	1.25E-02	1.50E-03	4.46E-07	5.61E-06	4.54E-06	1.51E-03	1.83E-03	1.03E-02	5.12E-04	1.55E-04	1.28E-02
5353	490363.09	3866377.25	0.00891	0.01459	0.0027	0.00202	1.46E-03	1.13E-02	5.18E-04	1.49E-04	1.34E-02	1.44E-03	4.90E-07	5.68E-06	4.35E-06	1.45E-03	1.74E-03	1.13E-02	5.18E-04	1.49E-04	1.37E-02
5354	490863.09	3866377.25	0.00884	0.01447	0.0021	0.00205	1.45E-03	1.12E-02	4.15E-04	1.51E-04	1.32E-02	1.42E-03	4.86E-07	4.55E-06	4.41E-06	1.43E-03	1.73E-03	1.12E-02	4.15E-04	1.51E-04	1.35E-02
5355	491363.09	3866377.25	0.00929	0.01442	0.0019	0.00212	1.52E-03	1.12E-02	3.65E-04	1.56E-04	1.32E-02	1.50E-03	4.84E-07	4.00E-06	4.56E-06	1.51E-03	1.82E-03	1.12E-02	3.65E-04	1.56E-04	1.35E-02
5356	491863.09	3866377.25	0.00997	0.01156	0.0019	0.00232	1.63E-03	8.97E-03	3.72E-04	1.71E-04	1.11E-02	1.61E-03	3.88E-07	4.08E-06	4.99E-06	1.62E-03	1.95E-03	8.97E-03	3.72E-04	1.71E-04	1.15E-02
5357	492363.09	3866377.25	0.01001	0.01187	0.0022	0.00252	1.64E-03	9.21E-03	4.17E-04	1.86E-04	1.14E-02	1.61E-03	3.99E-07	4.57E-06	5.42E-06	1.62E-03	1.96E-03	9.21E-03	4.17E-04	1.86E-04	1.18E-02
5358	492863.09	3866377.25	0.00893	0.00985	0.0026	0.00278	1.46E-03	7.64E-03	4.94E-04	2.05E-04	9.80E-03	1.44E-03	3.31E-07	5.42E-06	5.98E-06	1.45E-03	1.75E-03	7.64E-03	4.94E-04	2.05E-04	1.01E-02
5359	493363.09	3866377.25	0.00907	0.01053	0.0032	0.00277	1.48E-03	8.17E-03	6.17E-04	2.04E-04	1.05E-02	1.46E-03	3.54E-07	6.76E-06	5.96E-06	1.47E-03	1.77E-03	8.17E-03	6.17E-04	2.04E-04	1.08E-02
5360	493863.09	3866377.25	0.00993	0.01183	0.0037	0.00262	1.62E-03	9.18E-03	7.19E-04	1.93E-04	1.17E-02	1.60E-03	3.97E-07	7.89E-06	5.64E-06	1.61E-03	1.94E-03	9.18E-03	7.19E-04	1.93E-04	1.20E-02
5361	494363.09	3866377.25	0.01029	0.01412	0.0038	0.0024	1.68E-03	1.10E-02	7.43E-04	1.77E-04	1.36E-02	1.66E-03	4.74E-07	8.14E-06	5.17E-06	1.67E-03	2.01E-03	1.10E-02	7.43E-04	1.77E-04	1.39E-02
5362	494863.09	3866377.25	0.0099	0.01452	0.0041	0.00243	1.62E-03	1.13E-02	7.87E-04	1.79E-04	1.38E-02	1.60E-03	4.88E-07	8.63E-06	5.23E-06	1.61E-03	1.94E-03	1.13E-02	7.87E-04	1.79E-04	1.42E-02
5363	495363.09	3866377.25	0.00929	0.01408	0.004	0.00251	1.52E-03	1.09E-02	7.83E-04	1.85E-04	1.34E-02	1.50E-03	4.73E-07	8.59E-06	5.40E-06	1.51E-03	1.82E-03	1.09E-02	7.83E-04	1.85E-04	1.37E-02
5364	495863.09	3866377.25	0.00979	0.01329	0.0036	0.00248	1.60E-03	1.03E-02	6.98E-04	1.83E-04	1.28E-02	1.58E-03	4.46E-07	7.65E-06	5.34E-06	1.59E-03	1.92E-03	1.03E-02	6.98E-04	1.83E-04	1.31E-02

5365	496363.09	3866377.25	0.0108	0.01265	0.0035	0.00231	1.77E-03	9.81E-03	6.73E-04	1.70E-04	1.24E-02	1.74E-03	4.25E-07	7.38E-06	4.97E-06	1.75E-03	2.11E-03	9.81E-03	6.73E-04	1.70E-04	1.28E-02
5366	496863.09	3866377.25	0.01094	0.0119	0.0039	0.00217	1.79E-03	9.23E-03	7.56E-04	1.60E-04	1.19E-02	1.76E-03	4.00E-07	8.29E-06	4.67E-06	1.78E-03	2.14E-03	9.23E-03	7.56E-04	1.60E-04	1.23E-02
5367	497363.09	3866377.25	0.01075	0.01213	0.0043	0.00221	1.76E-03	9.41E-03	8.30E-04	1.63E-04	1.22E-02	1.73E-03	4.07E-07	9.10E-06	4.76E-06	1.75E-03	2.10E-03	9.41E-03	8.30E-04	1.63E-04	1.25E-02
5368	497863.09	3866377.25	0.01035	0.01286	0.004	0.00227	1.69E-03	9.98E-03	7.80E-04	1.67E-04	1.26E-02	1.67E-03	4.32E-07	8.55E-06	4.89E-06	1.68E-03	2.03E-03	9.98E-03	7.80E-04	1.67E-04	1.29E-02
5369	498363.09	3866377.25	0.00937	0.01133	0.0036	0.00238	1.53E-03	8.79E-03	6.90E-04	1.75E-04	1.12E-02	1.51E-03	3.81E-07	7.57E-06	5.12E-06	1.52E-03	1.83E-03	8.79E-03	6.90E-04	1.75E-04	1.15E-02
5370	474494.92	3848334.16	0.00637	0.00358	0.0015	0.00208	1.04E-03	2.78E-03	2.87E-04	1.53E-04	4.26E-03	1.03E-03	1.20E-07	3.15E-06	4.48E-06	1.03E-03	1.25E-03	2.78E-03	2.87E-04	1.53E-04	4.46E-03
5371	475167.27	3848920.79	0.00725	0.00399	0.0016	0.00222	1.19E-03	3.10E-03	3.02E-04	1.63E-04	4.75E-03	1.17E-03	1.34E-07	3.32E-06	4.78E-06	1.18E-03	1.42E-03	3.10E-03	3.02E-04	1.63E-04	4.98E-03
5372	475297.89	3848997.96	0.00738	0.00406	0.0016	0.00224	1.21E-03	3.15E-03	3.04E-04	1.65E-04	4.83E-03	1.19E-03	1.36E-07	3.34E-06	4.82E-06	1.20E-03	1.44E-03	3.15E-03	3.04E-04	1.65E-04	5.06E-03
5373	475439.05	3849062	0.00739	0.00398	0.0016	0.00225	1.21E-03	3.09E-03	3.06E-04	1.66E-04	4.77E-03	1.19E-03	1.34E-07	3.36E-06	4.84E-06	1.20E-03	1.45E-03	3.09E-03	3.06E-04	1.66E-04	5.01E-03
5374	475486.86	3849061.09	0.00735	0.00394	0.0016	0.00225	1.20E-03	3.06E-03	3.06E-04	1.66E-04	4.73E-03	1.18E-03	1.32E-07	3.36E-06	4.84E-06	1.19E-03	1.44E-03	3.06E-03	3.06E-04	1.66E-04	4.97E-03
5375	475538.46	3849075.56	0.0074	0.00399	0.0016	0.00225	1.21E-03	3.10E-03	3.08E-04	1.66E-04	4.78E-03	1.19E-03	1.34E-07	3.38E-06	4.84E-06	1.20E-03	1.45E-03	3.10E-03	3.08E-04	1.66E-04	5.02E-03
5376	475751.79	3849137.15	0.00764	0.00433	0.0016	0.00227	1.25E-03	3.36E-03	3.12E-04	1.67E-04	5.09E-03	1.23E-03	1.45E-07	3.42E-06	4.89E-06	1.24E-03	1.49E-03	3.36E-03	3.12E-04	1.67E-04	5.33E-03
5377	476303.62	3849223.38	0.00789	0.0053	0.0017	0.00227	1.29E-03	4.11E-03	3.22E-04	1.67E-04	5.89E-03	1.27E-03	1.78E-07	3.53E-06	4.89E-06	1.28E-03	1.54E-03	4.11E-03	3.22E-04	1.67E-04	6.14E-03
5378	476304.51	3849238.92	0.00793	0.00529	0.0017	0.00227	1.30E-03	4.10E-03	3.22E-04	1.67E-04	5.89E-03	1.28E-03	1.78E-07	3.53E-06	4.89E-06	1.29E-03	1.55E-03	4.10E-03	3.22E-04	1.67E-04	6.14E-03
5379	476365.04	3849247.98	0.00794	0.00543	0.0017	0.00227	1.30E-03	4.21E-03	3.24E-04	1.67E-04	6.00E-03	1.28E-03	1.82E-07	3.55E-06	4.89E-06	1.29E-03	1.55E-03	4.21E-03	3.24E-04	1.67E-04	6.26E-03
5380	476444.86	3849267.13	0.00796	0.00551	0.0017	0.00227	1.30E-03	4.27E-03	3.26E-04	1.67E-04	6.07E-03	1.28E-03	1.85E-07	3.57E-06	4.89E-06	1.29E-03	1.56E-03	4.27E-03	3.26E-04	1.67E-04	6.32E-03
5381	476550.75	3849300.66	0.00803	0.00581	0.0017	0.00228	1.31E-03	4.51E-03	3.28E-04	1.68E-04	6.32E-03	1.29E-03	1.95E-07	3.59E-06	4.91E-06	1.30E-03	1.57E-03	4.51E-03	3.28E-04	1.68E-04	6.57E-03
5382	476656.71	3849346.88	0.00811	0.00604	0.0017	0.00229	1.33E-03	4.69E-03	3.32E-04	1.69E-04	6.51E-03	1.31E-03	2.03E-07	3.64E-06	4.93E-06	1.32E-03	1.59E-03	4.69E-03	3.32E-04	1.69E-04	6.77E-03
5383	476873.55	3849454.53	0.00833	0.00656	0.0017	0.00231	1.36E-03	5.09E-03	3.35E-04	1.70E-04	6.96E-03	1.34E-03	2.20E-07	3.68E-06	4.97E-06	1.35E-03	1.63E-03	5.09E-03	3.35E-04	1.70E-04	7.22E-03
5384	477700	3849859.7	0.00912	0.00844	0.0018	0.00242	1.49E-03	6.55E-03	3.57E-04	1.78E-04	8.57E-03	1.47E-03	2.84E-07	3.91E-06	5.21E-06	1.48E-03	1.78E-03	6.55E-03	3.57E-04	1.78E-04	8.87E-03
5385	477743.16	3849856.38	0.00902	0.00837	0.0018	0.00242	1.48E-03	6.49E-03	3.57E-04	1.78E-04	8.50E-03	1.45E-03	2.81E-07	3.91E-06	5.21E-06	1.46E-03	1.77E-03	6.49E-03	3.57E-04	1.78E-04	8.79E-03
5386	478477.35	3850216.33	0.00949	0.00877	0.0019	0.00259	1.55E-03	6.80E-03	3.74E-04	1.91E-04	8.92E-03	1.53E-03	2.95E-07	4.10E-06	5.58E-06	1.54E-03	1.86E-03	6.80E-03	3.74E-04	1.91E-04	9.23E-03
5387	478485.8	3850201.6	0.00942	0.00873	0.0019	0.00259	1.54E-03	6.77E-03	3.74E-04	1.91E-04	8.88E-03	1.52E-03	2.93E-07	4.10E-06	5.58E-06	1.53E-03	1.84E-03	6.77E-03	3.74E-04	1.91E-04	9.18E-03
5388	479113.21	3850501.53	0.01076	0.00962	0.002	0.00274	1.76E-03	7.46E-03	3.88E-04	2.02E-04	9.81E-03	1.73E-03	3.23E-07	4.25E-06	5.90E-06	1.74E-03	2.11E-03	7.46E-03	3.88E-04	2.02E-04	1.02E-02
5389	479108.11	3850382.28	0.01078	0.00921	0.002	0.00272	1.76E-03	7.14E-03	3.82E-04	2.00E-04	9.49E-03	1.74E-03	3.09E-07	4.19E-06	5.86E-06	1.75E-03	2.11E-03	7.14E-03	3.82E-04	2.00E-04	9.84E-03
5390	479689.85	3850674.28	0.01267	0.0091	0.002	0.0029	2.07E-03	7.06E-03	3.92E-04	2.14E-04	9.74E-03	2.04E-03	3.06E-07	4.29E-06	6.24E-06	2.05E-03	2.48E-03	7.06E-03	3.92E-04	2.14E-04	1.01E-02
5391	479952.42	3850774.28	0.01447	0.00914	0.002	0.00296	2.37E-03	7.09E-03	3.96E-04	2.18E-04	1.01E-02	2.33E-03	3.07E-07	4.34E-06	6.37E-06	2.34E-03	2.83E-03	7.09E-03	3.96E-04	2.18E-04	1.05E-02
5392	479911.32	3850884.85	0.01367	0.00975	0.0021	0.00298	2.24E-03	7.56E-03	4.03E-04	2.19E-04	1.04E-02	2.20E-03	3.28E-07	4.42E-06	6.42E-06	2.21E-03	2.67E-03	7.56E-03	4.03E-04	2.19E-04	1.09E-02
5393	480500.92	3851178.12	0.01738	0.01062	0.0022	0.00317	2.84E-03	8.24E-03	4.17E-04	2.33E-04	1.17E-02	2.80E-03	3.57E-07	4.57E-06	6.82E-06	2.81E-03	3.40E-03	8.24E-03	4.17E-04	2.33E-04	1.23E-02
5394	480738.01	3851289.27	0.01912	0.01094	0.0022	0.00327	3.13E-03	8.49E-03	4.23E-04	2.41E-04	1.23E-02	3.08E-03	3.67E-07	4.64E-06	7.04E-06	3.09E-03	3.74E-03	8.49E-03	4.23E-04	2.41E-04	1.29E-02
5395	481055.42	3851443.58	0.0213	0.01117	0.0022	0.00344	3.48E-03	8.66E-03	4.30E-04	2.53E-04	1.28E-02	3.43E-03	3.75E-07	4.72E-06	7.41E-06	3.44E-03	4.17E-03	8.67E-03	4.30E-04	2.53E-04	1.35E-02
5396	481110.22	3851443.15	0.02222	0.01105	0.0022	0.00346	3.63E-03	8.57E-03	4.30E-04	2.55E-04	1.29E-02	3.58E-03	3.71E-07	4.72E-06	7.45E-06	3.59E-03	4.35E-03	8.57E-03	4.30E-04	2.55E-04	1.36E-02
5397	481111.1	3851417.45	0.02244	0.0109	0.0022	0.00345	3.67E-03	8.46E-03	4.29E-04	2.54E-04	1.28E-02	3.62E-03	3.66E-07	4.70E-06	7.43E-06	3.63E-03	4.39E-03	8.46E-03	4.29E-04	2.54E-04	1.35E-02
5398	482248.44	3852605.09	0.03343	0.01549	0.0027	0.00486	5.47E-03	1.20E-02	5.18E-04	3.58E-04	1.84E-02	5.39E-03	5.20E-07	5.68E-06	1.05E-05	5.40E-03	6.54E-03	1.20E-02	5.18E-04	3.58E-04	1.94E-02
5399	482273.34	3852632.31	0.03376	0.01564	0.0027	0.00492	5.52E-03	1.21E-02	5.20E-04	3.62E-04	1.85E-02	5.44E-03	5.25E-07	5.70E-06	1.06E-05	5.46E-03	6.61E-03	1.21E-02	5.20E-04	3.62E-04	1.96E-02
5400	482665.46	3853038.72	0.04161	0.01872	0.0029	0.00592	6.81E-03	1.45E-02	5.58E-04	4.36E-04	2.23E-02	6.70E-03	6.29E-07	6.12E-06	1.27E-05	6.72E-03	8.14E-03	1.45E-02	5.58E-04	4.36E-04	2.37E-02
5401	483077.95	3853844.31	0.05255	0.02477	0.0033	0.00888	8.60E-03	1.92E-02	6.44E-04	6.54E-04	2.91E-02	8.47E-03	8.32E-07	7.06E-06	1.91E-05	8.49E-03	1.03E-02	1.92E-02	6.44E-04	6.54E-04	3.08E-02
5402	483121.38	3853909.38	0.05512	0.02485	0.0034	0.00928	9.02E-03	1.93E-02	6.52E-04	6.83E-04	2.96E-02	8.88E-03	8.35E-07	7.14E-06	2.00E-05	8.91E-03	1.08E-02	1.93E-02	6.52E-04	6.83E-04	3.14E-02
5403	483492.64	3853911.49	0.06975	0.02127	0.0034	0.00959	1.14E-02	1.65E-02	6.53E-04	7.06E-04	2.93E-02	1.12E-02	7.14E-07	7.17E-06	2.06E-05	1.13E-02	1.36E-02	1.65E-02	6.53E-04	7.06E-04	3.15E-02
5404	483498.29	3854204.73	0.0749	0.0252	0.0036	0.01315	1.23E-02	1.95E-02	6.92E-04	9.68E-04	3.35E-02	1.21E-02	8.47E-07	7.59E-06	2.83E-05	1.21E-02	1.47E-02	1.95E-02	6.92E-04	9.68E-04	3.59E-02
5405	484132.44	3854662.55	0.11832	0.03525	0.004	0.04301	1.94E-02	2.73E-02	7.76E-04	3.17E-03	5.06E-02	1.91E-02	1.18E-06	8.50E-06	9.26E-05	1.92E-02	2.32E-02	2.73E-02	7.76E-04	3.17E-03	5.44E-02
5406	484627.62	3854876.13	0.23272	0.05731	0.0043	0.03337	3.81E-02	4.45E-02	8.32E-04	2.46E-03	8.58E-02	3.75E-02	1.93E-06	9.12E-06	7.18E-05	3.76E-02	4.55E-02	4.45E-02	8.32E-04	2.46E-03	9.33E-02
5407	484756.14	3854949.04	0.31983	0.06532	0.0044	0.03033	5.23E-02	5.07E-02	8.53E-04	2.23E-03	1.06E-01	5.15E-02	2.19E-06	9.36E-06	6.53E-05	5.16E-02	6.26E-02	5.07E-02	8.53E-04	2.23E-03	1.16E-01
5408	486697.51	3856599.17	4.31807	0.22475	0.0102	0.0488	7.06E-01	1.74E-01	1.98E-03	3.59E-03	8.86E-01	6.96E-01	7.55E-06	2.17E-05	1.05E-04	6.96E-01	8.45E-01	1.74E-01	1.98E-03	3.59E-03	1.02E+00
5409	487105.31	3856962.27	4.57746	0.2559	0.0149	0.0297	7.49E-01	1.99E-01	2.89E-03	2.19E-03	9.52E-01	7.38E-01	8.60E-06	3.17E-05	6.39E-05	7.38E-01	8.96E-01	1.99E-01	2.89E-03	2.19E-03	1.10E+00
5410	487157.57	3856901.7	3.5462	0.24738	0.0148	0.03083	5.80E-01	1.92E-01	2.87E-03	2.27E-03	7.77E-01	5.71E-01	8.31E-06	3.15E-05	6.64E-05	5.72E-01	6.94E-01	1.92E-01	2.87E-03	2.27E-03	8.91E-01
5411	487173.5	3856853.74	3.17299	0.24118	0.0146	0.03189	5.19E-01	1.87E-01	2.83E-03	2.35E-03	7.11E-01	5.11E-01	8.10E-06	3.10E-05	6.87E-05	5.11E-01	6.21E-01	1.87E-01	2.83E-03	2.35E-03	8.13E-01
5412	487564.41	3856860.83	1.86614	0.22137	0.0206	0.02903	3.05E-01	1.72E-01	3.99E-03	2.14E-03	4.83E-01	3.01E-01	7.44E-06	4.37E-05	6.25E-05	3.01E-01	3.65E-01	1.72E-01	3.99E-03	2.14E-03	5.43E-01
5413	487563.31	3856931.58	1.87114	0.22907	0.0214	0.02785	3.06E-01	1.78E-01	4.16E-03	2.05E-03	4.90E-01	3.02E-01	7.69E-06	4.56E-05	6.00E-05	3.02E-01	3.66E-01	1.78E-01	4.16E-03	2.05E-03	5.50E-01
5414	487782.7	3856926.85	1.44416	0.21857	0.0265	0.02699	2.36E-01	1.70E-01	5.14E-03	1.99E-03	4.13E-01	2.33E-01	7.34E-06	5.64E-05	5.81E-05	2.33E-01	2.83E-01	1.70E-01	5.14E-03	1.99E-03	4.59E-01
5415	487782.39	3856757.07	1.4542	0.20173	0.0232	0.02927	2.38E-01	1.56E-01	4.50E-03	2.15E-03	4.01E-01	2.34E-01	6.78E-06	4.93E-05	6.30E-05	2.34E-01	2.85E-01	1.56E-01	4.50E-03	2.15E-03	4.48E-01
5416	487917.26	3856752.41	1.29345	0.19772	0.0219	0.02844	2.12E-01	1.53E-01	4.24E-03	2.09E-03	3.71E-01	2.08E-01	6.64E-06	4.65E-05	6.12E-05	2.09E-01	2.53E-01	1.53E-01	4.24E-03	2.09E-03	4.13E-01
5417	487919.57	3856953.35	1.23686	0.21595	0.0272	0.02625	2.02E-01	1.68E-01	5.28E-03	1.93E-03	3.77E-01	1.99E-01	7.25E-06	5.79E-05	5.65E-05	1.99E-01	2.42E-01	1.68E-01	5.28E-03	1.93E-03	4.17E-01
5418	487932.76	3857000.32	1.1792	0.21807	0.0287	0.02585	1.93E-01	1.69E-01	5.56E-03	1.90E-03	3.69E-01	1.90E-01	7.33E-06	6.10E-05	5.56E-05	1.90E-01	2.31E-01	1.69E-01	5.56E-03	1.90E-03	4.07E-01
5419	487960.5	3857044.75	1.09962	0.21978	0.0299	0.02549	1.80E-01	1.70E-01	5.80E-03	1.88E-03	3.58E-01	1.77E-01	7.38E-06	6.36E-05	5.49E-05	1.77E-01	2.15E-01	1.70E-01	5.80E-03	1.88E-03	3.93E-01
5420	488016.54	3857089.54	0.99392	0.22022	0.0305	0.02514	1.63E-01	1.71E-01	5.92E-03	1.85E-03	3.41E-01	1.60E-01	7.40E-06	6.49E-05	5.41E-05	1.60E-01	1.94E-01	1.71E-01	5.92E-03	1.85E-03	3.73E-01
5421	488114.39	3857165.47	0.83277	0.22208	0.0325	0.02469	1.36E-01	1.72E-01	6.31E-03	1.82E-03	3.17E-01	1.34E-01	7.46E-06	6.92E-05	5.32E-05	1.34E-01	1.63E-01	1.72E-01	6.31E-03	1.82E-03	3.43E-01
5422	488171.49	3857234.24	0.72429	0.22635	0.0368	0.0247	1.18E-01	1.76E-01	7.14E-03	1.82E-03	3.03E-01	1.17E-01	7.60E-06	7.83E-05	5.32E-05	1.17E-01	1.42E-01	1.76E-01	7.14E-03	1.82E-03	3.26E-01
5423	488193.16	3857297.8	0.64486	0.2327	0.0419	0.02508	1.05E-01	1.81E-01	8.12E-03	1.85E-03	2.96E-01	1.04E-01	7.82E-06	8.90E-05	5.40E-05	1.04E-01	1.26E-01	1.81E-01	8.12E-03	1.85E-03	3.17E-01
5424	488189.27	3857649.94	0.3327	0.27825	0.1094	0.03179	5.44E-02	2.16E-01	2.12E-02	2.34E-03	2.94E-01	5.36E-02	9.35E-06	2.33E-04	6.84E-05	5.39E-02	6.51E-02	2.16E-01	2.12E-02	2.34E-03	3.05E-01
5425	488127.43	3857732.32	0.27969	0.29341	0.1452	0.03464	4.57E-02	2.28E-01	2.81E-02	2.55E-03	3.04E-01	4.51E-02	9.86E-06	3.09E-04	7.46E-05	4.55E-02	5.47E-02	2.28E-01	2.81E-02	2.55E-03	3.13E-01

5426	488149.93	3857752.94	0.27028	0.29565	0.1621	0.03538	4.42E-02	2.29E-01	3.14E-02	2.60E-03	3.08E-01	4.36E-02	9.93E-06	3.45E-04	7.62E-05	4.40E-02	5.29E-02	2.29E-01	3.14E-02	2.60E-03	3.16E-01
5427	488144.76	3857758.71	0.26701	0.29667	0.1651	0.03562	4.37E-02	2.30E-01	3.20E-02	2.62E-03	3.08E-01	4.30E-02	9.97E-06	3.51E-04	7.67E-05	4.35E-02	5.22E-02	2.30E-01	3.20E-02	2.62E-03	3.17E-01
5428	488335.58	3857932.55	0.20436	0.3311	3.4766	0.04296	3.34E-02	2.57E-01	6.74E-01	3.16E-03	9.68E-01	3.29E-02	1.11E-05	7.39E-03	9.25E-05	4.04E-02	4.00E-02	2.57E-01	6.74E-01	3.16E-03	9.74E-01
5429	488372.29	3857943.79	0.20228	0.33201	3.4524	0.04343	3.31E-02	2.58E-01	6.69E-01	3.20E-03	9.63E-01	3.26E-02	1.12E-05	7.34E-03	9.35E-05	4.00E-02	3.96E-02	2.58E-01	6.69E-01	3.20E-03	9.70E-01
5430	488828.64	3857936.4	0.21953	0.299	1.1101	0.04048	3.59E-02	2.32E-01	2.15E-01	2.98E-03	4.86E-01	3.54E-02	1.00E-05	2.36E-03	8.71E-05	3.78E-02	4.30E-02	2.32E-01	2.15E-01	2.98E-03	4.93E-01
5431	488829.08	3857959.58	0.21308	0.30338	1.0732	0.04132	3.49E-02	2.35E-01	2.08E-01	3.04E-03	4.81E-01	3.43E-02	1.02E-05	2.28E-03	8.90E-05	3.67E-02	4.17E-02	2.35E-01	2.08E-01	3.04E-03	4.88E-01
5432	488351.61	3857964.55	0.19492	0.33898	3.7214	0.04466	3.19E-02	2.63E-01	7.22E-01	3.29E-03	1.02E+00	3.14E-02	1.14E-05	7.91E-03	9.61E-05	3.94E-02	3.81E-02	2.63E-01	7.22E-01	3.29E-03	1.03E+00
5433	488316.87	3857947.65	0.19875	0.33626	3.7857	0.04383	3.25E-02	2.61E-01	7.34E-01	3.23E-03	1.03E+00	3.20E-02	1.13E-05	8.05E-03	9.44E-05	4.02E-02	3.89E-02	2.61E-01	7.34E-01	3.23E-03	1.04E+00
5434	488129.1	3857775.77	0.25744	0.3003	0.1744	0.03635	4.21E-02	2.33E-01	3.38E-02	2.68E-03	3.12E-01	4.15E-02	1.01E-05	3.71E-04	7.83E-05	4.19E-02	5.04E-02	2.33E-01	3.38E-02	2.68E-03	3.20E-01
5435	488062.53	3857846.13	0.22235	0.32008	0.2216	0.03982	3.64E-02	2.48E-01	4.30E-02	2.93E-03	3.31E-01	3.58E-02	1.08E-05	4.71E-04	8.57E-05	3.64E-02	4.35E-02	2.48E-01	4.30E-02	2.93E-03	3.38E-01
5436	488330.41	3858091.34	0.16001	0.37166	1.4255	0.0534	2.62E-02	2.88E-01	2.76E-01	3.93E-03	5.95E-01	2.58E-02	1.25E-05	3.03E-03	1.15E-04	2.89E-02	3.13E-02	2.88E-01	2.76E-01	3.93E-03	6.00E-01
5437	488470.87	3858174.45	0.14853	0.3893	0.6318	0.05678	2.43E-02	3.02E-01	1.23E-01	4.18E-03	4.53E-01	2.39E-02	1.31E-05	1.34E-03	1.22E-04	2.54E-02	2.91E-02	3.02E-01	1.23E-01	4.18E-03	4.58E-01
5438	488568.9	3858262.31	0.13406	0.41483	0.3155	0.05954	2.19E-02	3.22E-01	6.12E-02	4.38E-03	4.09E-01	2.16E-02	1.39E-05	6.71E-04	1.28E-04	2.24E-02	2.62E-02	3.22E-01	6.12E-02	4.38E-03	4.14E-01
5439	488964.27	3858025.71	0.198	0.30735	0.7129	0.04218	3.24E-02	2.38E-01	1.38E-01	3.11E-03	4.12E-01	3.19E-02	1.03E-05	1.52E-03	9.08E-05	3.35E-02	3.87E-02	2.38E-01	1.38E-01	3.11E-03	4.19E-01
5440	489147.25	3857956.64	0.21669	0.27997	0.6233	0.03854	3.54E-02	2.17E-01	1.21E-01	2.84E-03	3.76E-01	3.49E-02	9.40E-06	1.33E-03	8.30E-05	3.63E-02	4.24E-02	2.17E-01	1.21E-01	2.84E-03	3.83E-01
5441	489343.52	3857932.45	0.22116	0.26163	0.497	0.03641	3.62E-02	2.03E-01	9.64E-02	2.68E-03	3.38E-01	3.56E-02	8.79E-06	1.06E-03	7.84E-05	3.68E-02	4.33E-02	2.03E-01	9.64E-02	2.68E-03	3.45E-01
5442	489866.19	3857923.19	0.21062	0.23108	0.3063	0.03392	3.44E-02	1.79E-01	5.94E-02	2.50E-03	2.76E-01	3.39E-02	7.76E-06	6.51E-04	7.30E-05	3.47E-02	4.12E-02	1.79E-01	5.94E-02	2.50E-03	2.82E-01
5443	489955.65	3857902.27	0.21163	0.2228	0.2922	0.0334	3.46E-02	1.73E-01	5.67E-02	2.46E-03	2.67E-01	3.41E-02	7.48E-06	6.21E-04	7.19E-05	3.48E-02	4.14E-02	1.73E-01	5.67E-02	2.46E-03	2.73E-01
5444	490079.44	3857847.9	0.21571	0.2139	0.2787	0.03232	3.53E-02	1.66E-01	5.40E-02	2.38E-03	2.58E-01	3.48E-02	7.19E-06	5.93E-04	6.96E-05	3.54E-02	4.22E-02	1.66E-01	5.40E-02	2.38E-03	2.65E-01
5445	490108.49	3857934.13	0.20125	0.22208	0.2565	0.03372	3.29E-02	1.72E-01	4.97E-02	2.48E-03	2.57E-01	3.24E-02	7.46E-06	5.45E-04	7.26E-05	3.31E-02	3.94E-02	1.72E-01	4.97E-02	2.48E-03	2.64E-01
5446	489884.48	3858014.17	0.19528	0.24303	0.2713	0.03562	3.19E-02	1.89E-01	5.26E-02	2.62E-03	2.76E-01	3.15E-02	8.16E-06	5.77E-04	7.67E-05	3.21E-02	3.82E-02	1.89E-01	5.26E-02	2.62E-03	2.82E-01
5447	489326.56	3858025.86	0.20119	0.27871	0.4361	0.03854	3.29E-02	2.16E-01	8.46E-02	2.84E-03	3.37E-01	3.24E-02	9.36E-06	9.27E-04	8.30E-05	3.34E-02	3.94E-02	2.16E-01	8.46E-02	2.84E-03	3.43E-01
5448	489130.38	3858056.71	0.19407	0.29797	0.5113	0.0412	3.17E-02	2.31E-01	9.91E-02	3.03E-03	3.65E-01	3.13E-02	1.00E-05	1.09E-03	8.87E-05	3.25E-02	3.80E-02	2.31E-01	9.91E-02	3.03E-03	3.71E-01
5449	488936.49	3858143.93	0.16991	0.33546	0.4775	0.04626	2.78E-02	2.60E-01	9.26E-02	3.41E-03	3.84E-01	2.74E-02	1.13E-05	1.02E-03	9.96E-05	2.85E-02	3.32E-02	2.60E-01	9.26E-02	3.41E-03	3.89E-01
5450	488638.08	3858327.45	0.12564	0.42709	0.2108	0.06094	2.05E-02	3.31E-01	4.09E-02	4.49E-03	3.97E-01	2.02E-02	1.43E-05	4.48E-04	1.31E-04	2.08E-02	2.46E-02	3.31E-01	4.09E-02	4.49E-03	4.01E-01
5451	488663.79	3858349.57	0.1233	0.43018	0.1869	0.06124	2.02E-02	3.34E-01	3.62E-02	4.51E-03	3.95E-01	1.99E-02	1.45E-05	3.97E-04	1.32E-04	2.04E-02	2.41E-02	3.34E-01	3.62E-02	4.51E-03	3.99E-01
5452	488694.56	3858349.5	0.12516	0.42506	0.1925	0.06022	2.05E-02	3.30E-01	3.73E-02	4.43E-03	3.92E-01	2.02E-02	1.43E-05	4.09E-04	1.30E-04	2.07E-02	2.45E-02	3.30E-01	3.73E-02	4.43E-03	3.96E-01
5453	488694.35	3858336.75	0.12725	0.42081	0.2082	0.05957	2.08E-02	3.26E-01	4.04E-02	4.39E-03	3.92E-01	2.05E-02	1.41E-05	4.43E-04	1.28E-04	2.11E-02	2.49E-02	3.26E-01	4.04E-02	4.39E-03	3.96E-01
5454	488712.81	3858336.38	0.12805	0.41767	0.2109	0.05899	2.09E-02	3.24E-01	4.09E-02	4.34E-03	3.90E-01	2.06E-02	1.40E-05	4.48E-04	1.27E-04	2.12E-02	2.51E-02	3.24E-01	4.09E-02	4.34E-03	3.94E-01
5455	488713.23	3858367.46	0.12313	0.42825	0.1751	0.06055	2.01E-02	3.32E-01	3.40E-02	4.46E-03	3.91E-01	1.98E-02	1.44E-05	3.72E-04	1.30E-04	2.04E-02	2.41E-02	3.32E-01	3.40E-02	4.46E-03	3.95E-01
5456	488704.63	3858384.05	0.11981	0.43573	0.1568	0.06167	1.96E-02	3.38E-01	3.04E-02	4.54E-03	3.93E-01	1.93E-02	1.46E-05	3.33E-04	1.33E-04	1.98E-02	2.34E-02	3.38E-01	3.04E-02	4.54E-03	3.96E-01
5457	488604.15	3858488.29	0.11346	0.50055	0.0703	0.07077	1.86E-02	3.88E-01	1.36E-02	5.21E-03	4.26E-01	1.83E-02	1.68E-05	1.49E-04	1.52E-04	1.86E-02	2.22E-02	3.88E-01	1.36E-02	5.21E-03	4.29E-01
5458	488605.66	3858550.47	0.10857	0.53474	0.0521	0.07292	1.78E-02	4.15E-01	1.01E-02	5.37E-03	4.48E-01	1.75E-02	1.80E-05	1.11E-04	1.57E-04	1.78E-02	2.12E-02	4.15E-01	1.01E-02	5.37E-03	4.52E-01
5459	488692.68	3858548.71	0.10881	0.51705	0.0606	0.0691	1.78E-02	4.01E-01	1.18E-02	5.09E-03	4.36E-01	1.75E-02	1.74E-05	1.29E-04	1.49E-04	1.78E-02	2.13E-02	4.01E-01	1.18E-02	5.09E-03	4.39E-01
5460	488759.93	3858461.81	0.10976	0.45668	0.1062	0.06344	1.80E-02	3.54E-01	2.06E-02	4.67E-03	3.97E-01	1.77E-02	1.53E-05	2.26E-04	1.37E-04	1.81E-02	2.15E-02	3.54E-01	2.06E-02	4.67E-03	4.01E-01
5461	488816.57	3858541.79	0.09714	0.48822	0.0756	0.06444	1.59E-02	3.79E-01	1.47E-02	4.74E-03	4.14E-01	1.57E-02	1.64E-05	1.61E-04	1.39E-04	1.60E-02	1.90E-02	3.79E-01	1.47E-02	4.74E-03	4.17E-01
5462	488944.63	3858656.77	0.09014	0.55449	0.0541	0.0653	1.47E-02	4.30E-01	1.05E-02	4.81E-03	4.60E-01	1.45E-02	1.86E-05	1.15E-04	1.41E-04	1.48E-02	1.76E-02	4.30E-01	1.05E-02	4.81E-03	4.63E-01
5463	489134.91	3858830.7	0.08043	0.69167	0.0372	0.07283	1.32E-02	5.37E-01	7.22E-03	5.36E-03	5.62E-01	1.30E-02	2.32E-05	7.92E-05	1.57E-04	1.32E-02	1.57E-02	5.37E-01	7.22E-03	5.36E-03	5.65E-01
5464	489193.99	3858886.05	0.07726	0.7285	0.0338	0.07699	1.26E-02	5.65E-01	6.55E-03	5.67E-03	5.90E-01	1.24E-02	2.45E-05	7.19E-05	1.66E-04	1.27E-02	1.51E-02	5.65E-01	6.55E-03	5.67E-03	5.92E-01
5465	489295.2	3858954.34	0.0764	0.74182	0.031	0.081	1.25E-02	5.75E-01	6.02E-03	5.96E-03	6.00E-01	1.23E-02	2.49E-05	6.60E-05	1.74E-04	1.26E-02	1.49E-02	5.75E-01	6.02E-03	5.96E-03	6.02E-01
5466	489295.64	3858992.74	0.07383	0.77579	0.0286	0.08467	1.21E-02	6.02E-01	5.55E-03	6.23E-03	6.26E-01	1.19E-02	2.61E-05	6.08E-05	1.82E-04	1.22E-02	1.44E-02	6.02E-01	5.55E-03	6.23E-03	6.28E-01
5467	489183.74	3858911.72	0.07693	0.76558	0.0316	0.07974	1.26E-02	5.94E-01	6.12E-03	5.87E-03	6.18E-01	1.24E-02	2.57E-05	6.71E-05	1.72E-04	1.27E-02	1.51E-02	5.94E-01	6.12E-03	5.87E-03	6.21E-01
5468	488873.37	3858625.59	0.09301	0.54109	0.0563	0.06557	1.52E-02	4.20E-01	1.09E-02	4.83E-03	4.51E-01	1.50E-02	1.82E-05	1.20E-04	1.41E-04	1.53E-02	1.82E-02	4.20E-01	1.09E-02	4.83E-03	4.54E-01
5469	488842.84	3858658.69	0.1007	0.58057	0.0476	0.06786	1.65E-02	4.50E-01	9.22E-03	5.00E-03	4.81E-01	1.62E-02	1.95E-05	1.01E-04	1.46E-04	1.65E-02	1.97E-02	4.50E-01	9.22E-03	5.00E-03	4.84E-01
5470	488856.39	3858670.93	0.09996	0.58969	0.0463	0.06805	1.63E-02	4.57E-01	8.98E-03	5.01E-03	4.88E-01	1.61E-02	1.98E-05	9.84E-05	1.46E-04	1.64E-02	1.96E-02	4.57E-01	8.98E-03	5.01E-03	4.91E-01
5471	488805.7	3858724.5	0.09778	0.67477	0.0362	0.0724	1.60E-02	5.23E-01	7.01E-03	5.33E-03	5.52E-01	1.58E-02	2.27E-05	7.69E-05	1.56E-04	1.60E-02	1.91E-02	5.23E-01	7.01E-03	5.33E-03	5.55E-01
5472	488805.87	3858804.16	0.09238	0.82697	0.0288	0.07807	1.51E-02	6.41E-01	5.59E-03	5.75E-03	6.68E-01	1.49E-02	2.78E-05	6.13E-05	1.68E-04	1.51E-02	1.81E-02	6.42E-01	5.59E-03	5.75E-03	6.71E-01
5473	488995.78	3858936.96	0.08621	0.96579	0.0253	0.08655	1.41E-02	7.49E-01	4.90E-03	6.37E-03	7.75E-01	1.39E-02	3.24E-05	5.37E-05	1.86E-04	1.42E-02	1.69E-02	7.49E-01	4.90E-03	6.37E-03	7.77E-01
5474	489130.76	3859017.38	0.08262	0.93411	0.0241	0.09309	1.35E-02	7.25E-01	4.67E-03	6.85E-03	7.50E-01	1.33E-02	3.14E-05	5.12E-05	2.00E-04	1.36E-02	1.62E-02	7.25E-01	4.67E-03	6.85E-03	7.52E-01
5475	489130.92	3859052.24	0.08019	0.9664	0.0225	0.09769	1.31E-02	7.50E-01	4.37E-03	7.19E-03	7.74E-01	1.29E-02	3.25E-05	4.79E-05	2.10E-04	1.32E-02	1.57E-02	7.50E-01	4.37E-03	7.19E-03	7.77E-01
5476	489200.33	3859090.6	0.07841	0.92565	0.0222	0.09987	1.28E-02	7.18E-01	4.30E-03	7.35E-03	7.42E-01	1.26E-02	3.11E-05	4.71E-05	2.15E-04	1.29E-02	1.53E-02	7.18E-01	4.30E-03	7.35E-03	7.45E-01
5477	489296.07	3859143.7	0.07395	0.86943	0.0216	0.10255	1.21E-02	6.74E-01	4.19E-03	7.55E-03	6.98E-01	1.19E-02	2.92E-05	4.60E-05	2.21E-04	1.22E-02	1.45E-02	6.74E-01	4.19E-03	7.55E-03	7.01E-01
5478	489296.43	3858954.74	0.07646	0.74148	0.031	0.081	1.25E-02	5.75E-01	6.02E-03	5.96E-03	6.00E-01	1.23E-02	2.49E-05	6.60E-05	1.74E-04	1.26E-02	1.50E-02	5.75E-01	6.02E-03	5.96E-03	6.02E-01
5479	489410.33	3859033.19	0.07624	0.73052	0.0284	0.08475	1.25E-02	5.67E-01	5.50E-03	6.24E-03	5.91E-01	1.23E-02	2.45E-05	6.03E-05	1.82E-04	1.26E-02	1.49E-02	5.67E-01	5.50E-03	6.24E-03	5.93E-01
5480	489371.37	3859089.8	0.07448	0.78756	0.0249	0.09226	1.22E-02	6.11E-01	4.83E-03	6.79E-03	6.35E-01	1.20E-02	2.65E-05	5.30E-05	1.99E-04	1.23E-02	1.46E-02	6.11E-01	4.83E-03	6.79E-03	6.37E-01
5481	489390.52	3859102.82	0.07417	0.78088	0.0246	0.09299	1.21E-02	6.06E-01	4.78E-03	6.85E-03	6.29E-01	1.20E-02	2.62E-05	5.24E-05	2.00E-04	1.22E-02	1.45E-02	6.06E-01	4.78E-03	6.85E-03	6.32E-01
5482	489382.3	3859114.53	0.07437	0.79099	0.024	0.09471	1.22E-02	6.14E-01	4.66E-03	6.97E-03	6.37E-01	1.20E-02	2.66E-05	5.11E-05	2.04E-04	1.23E-02	1.46E-02	6.14E-01	4.66E-03	6.97E-03	6.40E-01
5483	489363.04	3859102.45	0.07478	0.79871	0.0243	0.09408	1.22E-02	6.20E-01	4.71E-03	6.93E-03	6.43E-01	1.20E-02	2.68E-05	5.16E-05	2.03E-04	1.23E-02	1.46E-02	6.20E-01	4.71E-03	6.93E-03	6.46E-01
5484	489337.52	3859140.71	0.0747	0.8356	0.0223	0.10008	1.22E-02	6.48E-01	4.33E-03	7.37E-03	6.72E-01	1.20E-02	2.81E-05	4.75E-05	2.15E-04	1.23E-02	1.46E-02	6.48E-01	4.33E-03	7.37E-03	6.75E-01
5485	489375.14	3859164.55	0.0739	0.81535	0.022	0.10116	1.21E-02	6.32E-01	4.27E-03	7.45E-03	6.56E-01	1.19E-02	2.74E-05	4.68E-05	2.18E-04	1.22E-02	1.45E-02	6.33E-01	4.27E-03	7.45E-03	6.59E-01
5486	489409.3	3859114.5	0.07387	0.77351	0.0244	0.09355	1.21E-02	6.00E-01	4.73E-03	6.89E-03	6.24E-01	1.19E-02	2.60E-05	5.19E-05	2.01E-04	1.22E-02	1.45E-02	6.00E-01	4.73E-03	6.89E-03	6.26E-01

5487	489434.87	3859131.81	0.07347	0.76256	0.0241	0.09435	1.20E-02	5.92E-01	4.67E-03	6.95E-03	6.15E-01	1.18E-02	2.56E-05	5.12E-05	2.03E-04	1.21E-02	1.44E-02	5.92E-01	4.67E-03	6.95E-03	6.18E-01
5488	489471.87	3859075.75	0.07536	0.71599	0.0271	0.08682	1.23E-02	5.55E-01	5.25E-03	6.39E-03	5.79E-01	1.21E-02	2.41E-05	5.76E-05	1.87E-04	1.24E-02	1.47E-02	5.55E-01	5.25E-03	6.39E-03	5.82E-01
5489	489602.62	3859164.69	0.07275	0.67546	0.0248	0.08946	1.19E-02	5.24E-01	4.81E-03	6.59E-03	5.47E-01	1.17E-02	2.27E-05	5.28E-05	1.93E-04	1.20E-02	1.42E-02	5.24E-01	4.81E-03	6.59E-03	5.50E-01
5490	489558.29	3859232.45	0.07085	0.71063	0.022	0.09708	1.16E-02	5.51E-01	4.26E-03	7.15E-03	5.74E-01	1.14E-02	2.39E-05	4.67E-05	2.09E-04	1.17E-02	1.39E-02	5.51E-01	4.26E-03	7.15E-03	5.77E-01
5491	489620.11	3859273.56	0.06951	0.68316	0.0213	0.09595	1.14E-02	5.30E-01	4.13E-03	7.06E-03	5.52E-01	1.12E-02	2.29E-05	4.52E-05	2.07E-04	1.15E-02	1.36E-02	5.30E-01	4.13E-03	7.06E-03	5.55E-01
5492	489666.06	3859206.42	0.07132	0.6538	0.0239	0.08925	1.17E-02	5.07E-01	4.63E-03	6.57E-03	5.30E-01	1.15E-02	2.20E-05	5.08E-05	1.92E-04	1.18E-02	1.40E-02	5.07E-01	4.63E-03	6.57E-03	5.32E-01
5493	489787.9	3859285.65	0.06859	0.60913	0.0223	0.08654	1.12E-02	4.73E-01	4.32E-03	6.37E-03	4.94E-01	1.11E-02	2.05E-05	4.74E-05	1.86E-04	1.13E-02	1.34E-02	4.73E-01	4.32E-03	6.37E-03	4.97E-01
5494	489752.17	3859343.13	0.06715	0.62428	0.0205	0.09099	1.10E-02	4.84E-01	3.97E-03	6.70E-03	5.06E-01	1.08E-02	2.10E-05	4.35E-05	1.96E-04	1.11E-02	1.31E-02	4.84E-01	3.97E-03	6.70E-03	5.08E-01
5495	489814.94	3859385.33	0.06577	0.59857	0.0198	0.08893	1.08E-02	4.64E-01	3.85E-03	6.55E-03	4.85E-01	1.06E-02	2.01E-05	4.22E-05	1.91E-04	1.09E-02	1.29E-02	4.64E-01	3.85E-03	6.55E-03	4.88E-01
5496	489853.42	3859330.74	0.06704	0.5859	0.0215	0.08469	1.10E-02	4.54E-01	4.16E-03	6.24E-03	4.76E-01	1.08E-02	1.97E-05	4.56E-05	1.82E-04	1.10E-02	1.31E-02	4.55E-01	4.16E-03	6.24E-03	4.78E-01
5497	489969.5	3859401.91	0.06463	0.54696	0.0204	0.08101	1.06E-02	4.24E-01	3.95E-03	5.96E-03	4.45E-01	1.04E-02	1.84E-05	4.33E-05	1.74E-04	1.06E-02	1.26E-02	4.24E-01	3.95E-03	5.96E-03	4.47E-01
5498	490166.91	3859486.96	0.06158	0.49477	0.0193	0.07314	1.01E-02	3.84E-01	3.75E-03	5.38E-03	4.03E-01	9.92E-03	1.66E-05	4.11E-05	1.57E-04	1.01E-02	1.20E-02	3.84E-01	3.75E-03	5.38E-03	4.05E-01
5499	490128.86	3859571.46	0.05932	0.5025	0.0175	0.07501	9.70E-03	3.90E-01	3.39E-03	5.52E-03	4.08E-01	9.56E-03	1.69E-05	3.72E-05	1.61E-04	9.77E-03	1.16E-02	3.90E-01	3.39E-03	5.52E-03	4.10E-01
5500	490186.65	3859593.65	0.05858	0.48886	0.0173	0.07199	9.58E-03	3.79E-01	3.36E-03	5.30E-03	3.97E-01	9.44E-03	1.64E-05	3.69E-05	1.55E-04	9.65E-03	1.15E-02	3.79E-01	3.36E-03	5.30E-03	3.99E-01
5501	490223.74	3859517.48	0.06058	0.4812	0.019	0.07073	9.91E-03	3.73E-01	3.68E-03	5.21E-03	3.92E-01	9.76E-03	1.62E-05	4.03E-05	1.52E-04	9.97E-03	1.19E-02	3.73E-01	3.68E-03	5.21E-03	3.94E-01
5502	490846.34	3859817.22	0.05262	0.36298	0.0165	0.04533	8.61E-03	2.82E-01	3.20E-03	3.34E-03	2.97E-01	8.48E-03	1.22E-05	3.51E-05	9.76E-05	8.62E-03	1.03E-02	2.82E-01	3.20E-03	3.34E-03	2.98E-01
5503	490925.65	3859844.59	0.05204	0.34993	0.0164	0.04308	8.51E-03	2.71E-01	3.17E-03	3.17E-03	2.86E-01	8.39E-03	1.18E-05	3.48E-05	9.27E-05	8.52E-03	1.02E-02	2.71E-01	3.17E-03	3.17E-03	2.88E-01
5504	491159.29	3859896.28	0.0507	0.3221	0.0162	0.03817	8.29E-03	2.50E-01	3.13E-03	2.81E-03	2.64E-01	8.17E-03	1.08E-05	3.43E-05	8.22E-05	8.30E-03	9.92E-03	2.50E-01	3.13E-03	2.81E-03	2.66E-01
5505	491370.69	3859960.89	0.04893	0.29796	0.0155	0.0343	8.00E-03	2.31E-01	3.00E-03	2.53E-03	2.45E-01	7.88E-03	1.00E-05	3.28E-05	7.38E-05	8.00E-03	9.57E-03	2.31E-01	3.00E-03	2.53E-03	2.46E-01
5506	491330.28	3860063.17	0.04601	0.29593	0.0139	0.03279	7.53E-03	2.30E-01	2.70E-03	2.41E-03	2.42E-01	7.41E-03	9.94E-06	2.96E-05	7.06E-05	7.52E-03	9.00E-03	2.30E-01	2.70E-03	2.41E-03	2.44E-01
5507	491636.45	3860180.75	0.04387	0.2561	0.0134	0.02741	7.18E-03	1.99E-01	2.59E-03	2.02E-03	2.10E-01	7.07E-03	8.60E-06	2.84E-05	5.90E-05	7.16E-03	8.58E-03	1.99E-01	2.59E-03	2.02E-03	2.12E-01
5508	491617.94	3860203.93	0.04329	0.25555	0.0131	0.02703	7.08E-03	1.98E-01	2.54E-03	1.99E-03	2.10E-01	6.98E-03	8.58E-06	2.78E-05	5.82E-05	7.07E-03	8.47E-03	1.98E-01	2.54E-03	1.99E-03	2.11E-01
5509	491805.68	3860271.59	0.04211	0.23403	0.0128	0.02442	6.89E-03	1.82E-01	2.48E-03	1.80E-03	1.93E-01	6.79E-03	7.86E-06	2.72E-05	5.26E-05	6.87E-03	8.24E-03	1.82E-01	2.48E-03	1.80E-03	1.94E-01
5510	491654.23	3860414.02	0.03871	0.22984	0.0113	0.0221	6.33E-03	1.78E-01	2.19E-03	1.63E-03	1.88E-01	6.24E-03	7.72E-06	2.40E-05	4.76E-05	6.32E-03	7.57E-03	1.78E-01	2.19E-03	1.63E-03	1.90E-01
5511	491592.62	3860510.76	0.03779	0.22137	0.0105	0.02011	6.18E-03	1.72E-01	2.03E-03	1.48E-03	1.81E-01	6.09E-03	7.44E-06	2.23E-05	4.33E-05	6.16E-03	7.39E-03	1.72E-01	2.03E-03	1.48E-03	1.83E-01
5512	491475.41	3860368.93	0.03978	0.24769	0.0112	0.02355	6.51E-03	1.92E-01	2.18E-03	1.73E-03	2.03E-01	6.41E-03	8.32E-06	2.39E-05	5.07E-05	6.49E-03	7.78E-03	1.92E-01	2.18E-03	1.73E-03	2.04E-01
5513	491445.61	3860337.28	0.04026	0.25418	0.0114	0.02446	6.58E-03	1.97E-01	2.21E-03	1.80E-03	2.08E-01	6.49E-03	8.54E-06	2.43E-05	5.27E-05	6.57E-03	7.88E-03	1.97E-01	2.21E-03	1.80E-03	2.09E-01
5514	491399.05	3860300.37	0.04093	0.26326	0.0117	0.02571	6.69E-03	2.04E-01	2.26E-03	1.89E-03	2.15E-01	6.60E-03	8.84E-06	2.48E-05	5.53E-05	6.68E-03	8.01E-03	2.04E-01	2.26E-03	1.89E-03	2.16E-01
5515	491228.84	3860235.98	0.04225	0.28822	0.0119	0.0287	6.91E-03	2.24E-01	2.31E-03	2.11E-03	2.35E-01	6.81E-03	9.68E-06	2.53E-05	6.18E-05	6.90E-03	8.27E-03	2.24E-01	2.31E-03	2.11E-03	2.36E-01
5516	491228.47	3860174.57	0.0433	0.29594	0.0125	0.03056	7.08E-03	2.30E-01	2.41E-03	2.25E-03	2.41E-01	6.98E-03	9.94E-06	2.65E-05	6.58E-05	7.08E-03	8.47E-03	2.30E-01	2.41E-03	2.25E-03	2.43E-01
5517	491145.77	3860112.55	0.04464	0.31251	0.013	0.03347	7.30E-03	2.42E-01	2.51E-03	2.46E-03	2.55E-01	7.19E-03	1.05E-05	2.75E-05	7.21E-05	7.30E-03	8.74E-03	2.42E-01	2.51E-03	2.46E-03	2.56E-01
5518	490844.41	3859966.22	0.04828	0.36327	0.0142	0.04171	7.90E-03	2.82E-01	2.75E-03	3.07E-03	2.96E-01	7.78E-03	1.22E-05	3.01E-05	8.98E-05	7.91E-03	9.45E-03	2.82E-01	2.75E-03	3.07E-03	2.97E-01
5519	490845.55	3859928.15	0.04882	0.36445	0.0147	0.04266	7.99E-03	2.83E-01	2.84E-03	3.14E-03	2.97E-01	7.87E-03	1.22E-05	3.12E-05	9.18E-05	8.00E-03	9.55E-03	2.83E-01	2.84E-03	3.14E-03	2.98E-01
5520	490046.91	3859625.6	0.0576	0.51965	0.0164	0.07862	9.42E-03	4.03E-01	3.18E-03	5.79E-03	4.21E-01	9.28E-03	1.75E-05	3.49E-05	1.69E-04	9.50E-03	1.13E-02	4.03E-01	3.18E-03	5.79E-03	4.23E-01
5521	489970.48	3859589.4	0.05886	0.53941	0.0167	0.08357	9.63E-03	4.18E-01	3.24E-03	6.15E-03	4.37E-01	9.48E-03	1.81E-05	3.55E-05	1.80E-04	9.72E-03	1.15E-02	4.18E-01	3.24E-03	6.15E-03	4.39E-01
5522	489865.89	3859529.06	0.06063	0.57126	0.0172	0.09018	9.92E-03	4.43E-01	3.34E-03	6.64E-03	4.63E-01	9.77E-03	1.92E-05	3.67E-05	1.94E-04	1.00E-02	1.19E-02	4.43E-01	3.34E-03	6.64E-03	4.65E-01
5523	489826.89	3859531.74	0.06123	0.58276	0.017	0.09295	1.00E-02	4.52E-01	3.30E-03	6.84E-03	4.72E-01	9.87E-03	1.96E-05	3.61E-05	2.00E-04	1.01E-02	1.20E-02	4.52E-01	3.30E-03	6.84E-03	4.74E-01
5524	489410.47	3859303.06	0.06829	0.81077	0.0183	0.11325	1.12E-02	6.29E-01	3.54E-03	8.34E-03	6.52E-01	1.10E-02	2.72E-05	3.88E-05	2.44E-04	1.13E-02	1.34E-02	6.29E-01	3.54E-03	8.34E-03	6.54E-01
5525	489407.15	3859286.09	0.06844	0.81295	0.0187	0.112	1.12E-02	6.31E-01	3.62E-03	8.25E-03	6.54E-01	1.10E-02	2.73E-05	3.97E-05	2.41E-04	1.13E-02	1.34E-02	6.31E-01	3.62E-03	8.25E-03	6.56E-01
5526	488806.07	3858963.62	0.0828	1.40195	0.0208	0.09457	1.35E-02	1.09E+00	4.03E-03	6.96E-03	1.11E+00	1.33E-02	4.71E-05	4.41E-05	2.04E-04	1.36E-02	1.62E-02	1.09E+00	4.03E-03	6.96E-03	1.11E+00
5527	488817.64	3859546.3	0.05997	1.63035	0.01	0.25739	9.81E-03	1.26E+00	1.94E-03	1.90E-02	1.30E+00	9.66E-03	5.48E-05	2.13E-05	5.54E-04	1.03E-02	1.17E-02	1.26E+00	1.94E-03	1.90E-02	1.30E+00
5528	489187.25	3859549.52	0.0617	0.89898	0.013	0.17523	1.01E-02	6.97E-01	2.52E-03	1.29E-02	7.23E-01	9.94E-03	3.02E-05	2.76E-05	3.77E-04	1.04E-02	1.21E-02	6.97E-01	2.52E-03	1.29E-02	7.25E-01
5529	489187.66	3859523.74	0.06252	0.91994	0.0133	0.1708	1.02E-02	7.14E-01	2.57E-03	1.26E-02	7.39E-01	1.01E-02	3.09E-05	2.82E-05	3.68E-04	1.05E-02	1.22E-02	7.14E-01	2.57E-03	1.26E-02	7.41E-01
5530	489232.59	3859522.85	0.05918	0.87883	0.0135	0.16221	9.68E-03	6.82E-01	2.62E-03	1.19E-02	7.06E-01	9.54E-03	2.95E-05	2.88E-05	3.49E-04	9.94E-03	1.16E-02	6.82E-01	2.62E-03	1.19E-02	7.08E-01
5531	489224.98	3859759.91	0.05517	0.7676	0.0112	0.17056	9.02E-03	5.95E-01	2.17E-03	1.26E-02	6.19E-01	8.89E-03	2.58E-05	2.38E-05	3.67E-04	9.31E-03	1.08E-02	5.95E-01	2.17E-03	1.26E-02	6.21E-01
5532	488401.39	3859763.34	0.05296	2.15411	0.0082	0.49706	8.66E-03	1.67E+00	1.58E-03	3.66E-02	1.72E+00	8.53E-03	7.24E-05	1.73E-05	1.07E-03	9.69E-03	1.04E-02	1.67E+00	1.58E-03	3.66E-02	1.72E+00
5533	488405.51	3859966.16	0.04793	2.20443	0.0076	0.14362	7.84E-03	1.71E+00	1.47E-03	1.06E-02	1.73E+00	7.72E-03	7.41E-05	1.61E-05	3.09E-04	8.12E-03	9.38E-03	1.71E+00	1.47E-03	1.06E-02	1.73E+00
5534	489202.85	3859956.57	0.05037	0.82541	0.0094	0.15021	8.24E-03	6.40E-01	1.81E-03	1.11E-02	6.61E-01	8.12E-03	2.77E-05	1.99E-05	3.23E-04	8.49E-03	9.86E-03	6.40E-01	1.81E-03	1.11E-02	6.63E-01
5535	489191.9	3860676.74	0.03669	0.5876	0.0055	0.0333	6.00E-03	4.56E-01	1.07E-03	2.45E-03	4.65E-01	5.91E-03	1.97E-05	1.17E-05	7.17E-05	6.02E-03	7.18E-03	4.56E-01	1.07E-03	2.45E-03	4.67E-01
5536	488392.82	3860687.88	0.03479	0.56962	0.0066	0.03185	5.69E-03	4.42E-01	1.28E-03	2.34E-03	4.51E-01	5.61E-03	1.91E-05	1.40E-05	6.86E-05	5.71E-03	6.81E-03	4.42E-01	1.28E-03	2.34E-03	4.52E-01
5537	488392.82	3860760.27	0.03399	0.41965	0.0065	0.02585	5.56E-03	3.26E-01	1.27E-03	1.90E-03	3.34E-01	5.48E-03	1.41E-05	1.39E-05	5.56E-05	5.56E-03	6.65E-03	3.26E-01	1.27E-03	1.90E-03	3.35E-01
5538	487549.05	3860777.45	0.03273	0.23612	0.0062	0.01591	5.35E-03	1.83E-01	1.19E-03	1.17E-03	1.91E-01	5.27E-03	7.93E-06	1.31E-05	3.43E-05	5.33E-03	6.40E-03	1.83E-01	1.19E-03	1.17E-03	1.92E-01
5539	487554.62	3859571.83	0.05592	0.95449	0.0084	0.05947	9.15E-03	7.40E-01	1.62E-03	4.38E-03	7.56E-01	9.01E-03	3.21E-05	1.78E-05	1.28E-04	9.19E-03	1.09E-02	7.40E-01	1.62E-03	4.38E-03	7.57E-01
5540	485949.46	3859558.54	0.05541	0.22013	0.013	0.01576	9.06E-03	1.71E-01	2.52E-03	1.16E-03	1.83E-01	8.93E-03	7.39E-06	2.76E-05	3.39E-05	9.00E-03	1.08E-02	1.71E-01	2.52E-03	1.16E-03	1.85E-01
5541	485947.55	3857943.61	0.17441	0.50248	0.0188	0.02159	2.85E-02	3.90E-01	3.64E-03	1.59E-03	4.24E-01	2.81E-02	1.69E-05	4.00E-05	4.65E-05	2.82E-02	3.41E-02	3.90E-01	3.64E-03	1.59E-03	4.29E-01
5542	484738.38	3857940.21	0.13267	0.22976	0.0122	0.01416	2.17E-02	1.78E-01	2.37E-03	1.04E-03	2.03E-01	2.14E-02	7.72E-06	2.60E-05	3.05E-05	2.14E-02	2.60E-02	1.78E-01	2.37E-03	1.04E-03	2.08E-01
5543	484737.06	3857535.68	0.1708	0.42442	0.0123	0.01769	2.79E-02	3.29E-01	2.39E-03	1.30E-03	3.61E-01	2.75E-02	1.43E-05	2.62E-05	3.81E-05	2.76E-02	3.34E-02	3.29E-01	2.39E-03	1.30E-03	3.66E-01
5544	483730.2	3857530.13	0.11927	0.22236	0.0094	0.01686	1.95E-02	1.72E-01	1.81E-03	1.24E-03	1.95E-01	1.92E-02	7.47E-06	1.99E-05	3.63E-05	1.93E-02	2.33E-02	1.72E-01	1.81E-03	1.24E-03	1.99E-01
5545	483727.27	3857130.01	0.14064	0.42153	0.0104	0.02322	2.30E-02	3.27E-01	2.01E-03	1.71E-03	3.54E-01	2.27E-02	1.42E-05	2.21E-05	5.00E-05	2.27E-02	2.75E-02	3.27E-01	2.01E-03	1.71E-03	3.58E-01
5546	483124.42	3857123.45	0.10803	0.20851	0.009	0.01688	1.77E-02	1.62E-01	1.75E-03	1.24E-03	1.82E-01	1.74E-02	7.00E-06	1.92E-05	3.63E-05	1.75E-02	2.11E-02	1.62E-01	1.75E-03	1.24E-03	1.86E-01
5547	483111.13	3855921.03	0.14573	0.43996	0.0076	0.04206	2.38E-02	3.41E-01	1.47E-03	3.10E-03	3.70E-01	2.35E-02	1.48E-05	1.62E-05	9.05E-05	2.36E-02	2.85E-02	3.41E-01	1.47E-03	3.10E-03	3.74E-01

5548	482701.73	3855918.24	0.11422	0.22281	0.008	0.02588	1.87E-02	1.73E-01	1.55E-03	1.91E-03	1.95E-01	1.84E-02	7.48E-06	1.70E-05	5.57E-05	1.85E-02	2.24E-02	1.73E-01	1.55E-03	1.91E-03	1.99E-01
5549	482668.02	3853521.78	0.03932	0.0242	0.0032	0.00728	6.43E-03	1.88E-02	6.11E-04	5.36E-04	2.63E-02	6.34E-03	8.13E-07	6.70E-06	1.57E-05	6.36E-03	7.69E-03	1.88E-02	6.11E-04	5.36E-04	2.76E-02
5550	482579.91	3853219.19	0.03704	0.02078	0.003	0.00628	6.06E-03	1.61E-02	5.80E-04	4.62E-04	2.32E-02	5.97E-03	6.98E-07	6.36E-06	1.35E-05	5.99E-03	7.25E-03	1.61E-02	5.80E-04	4.62E-04	2.44E-02
5551	482434.06	3852961.94	0.03563	0.01823	0.0028	0.00557	5.83E-03	1.41E-02	5.51E-04	4.10E-04	2.09E-02	5.74E-03	6.12E-07	6.04E-06	1.20E-05	5.76E-03	6.97E-03	1.41E-02	5.51E-04	4.10E-04	2.21E-02
5552	482332.11	3852832.85	0.03425	0.01723	0.0028	0.00523	5.60E-03	1.34E-02	5.39E-04	3.85E-04	1.99E-02	5.52E-03	5.79E-07	5.91E-06	1.13E-05	5.54E-03	6.70E-03	1.34E-02	5.39E-04	3.85E-04	2.10E-02
5553	481334.99	3851818.96	0.02377	0.01274	0.0024	0.00372	3.89E-03	9.88E-03	4.58E-04	2.74E-04	1.45E-02	3.83E-03	4.28E-07	5.02E-06	8.01E-06	3.84E-03	4.65E-03	9.88E-03	4.58E-04	2.74E-04	1.53E-02
5554	481127.62	3851646.36	0.0222	0.01237	0.0023	0.00355	3.63E-03	9.60E-03	4.46E-04	2.61E-04	1.39E-02	3.58E-03	4.16E-07	4.89E-06	7.64E-06	3.59E-03	4.34E-03	9.60E-03	4.46E-04	2.61E-04	1.46E-02
5555	481025.04	3851591.73	0.02134	0.01228	0.0023	0.00349	3.49E-03	9.53E-03	4.42E-04	2.57E-04	1.37E-02	3.44E-03	4.13E-07	4.85E-06	7.51E-06	3.45E-03	4.18E-03	9.53E-03	4.42E-04	2.57E-04	1.44E-02
5556	480513.6	3851335.76	0.01707	0.01154	0.0022	0.00322	2.79E-03	8.95E-03	4.29E-04	2.37E-04	1.24E-02	2.75E-03	3.88E-07	4.70E-06	6.93E-06	2.76E-03	3.34E-03	8.95E-03	4.29E-04	2.37E-04	1.30E-02
5557	480523.56	3851317.66	0.01728	0.01144	0.0022	0.00322	2.83E-03	8.87E-03	4.27E-04	2.37E-04	1.24E-02	2.78E-03	3.84E-07	4.68E-06	6.93E-06	2.80E-03	3.38E-03	8.87E-03	4.27E-04	2.37E-04	1.29E-02
5558	476921.56	3849569.11	0.00867	0.00684	0.0017	0.00235	1.42E-03	5.31E-03	3.37E-04	1.73E-04	7.23E-03	1.40E-03	2.30E-07	3.70E-06	5.06E-06	1.41E-03	1.70E-03	5.31E-03	3.37E-04	1.73E-04	7.51E-03
5559	476521.19	3849373.96	0.00825	0.00587	0.0017	0.0023	1.35E-03	4.55E-03	3.28E-04	1.69E-04	6.40E-03	1.33E-03	1.97E-07	3.59E-06	4.95E-06	1.34E-03	1.61E-03	4.55E-03	3.28E-04	1.69E-04	6.67E-03
5560	476391.45	3849333.38	0.00818	0.00564	0.0017	0.0023	1.34E-03	4.37E-03	3.24E-04	1.69E-04	6.21E-03	1.32E-03	1.89E-07	3.55E-06	4.95E-06	1.33E-03	1.60E-03	4.38E-03	3.24E-04	1.69E-04	6.47E-03
5561	476219.41	3849304.29	0.00813	0.00534	0.0017	0.0023	1.33E-03	4.14E-03	3.20E-04	1.69E-04	5.96E-03	1.31E-03	1.79E-07	3.51E-06	4.95E-06	1.32E-03	1.59E-03	4.14E-03	3.20E-04	1.69E-04	6.22E-03
5562	475679.11	3849218.47	0.00792	0.00454	0.0016	0.0023	1.30E-03	3.52E-03	3.12E-04	1.69E-04	5.30E-03	1.28E-03	1.53E-07	3.42E-06	4.95E-06	1.28E-03	1.55E-03	3.52E-03	3.12E-04	1.69E-04	5.55E-03
5563	475677.71	3849233.88	0.00796	0.00457	0.0016	0.0023	1.30E-03	3.54E-03	3.12E-04	1.69E-04	5.33E-03	1.28E-03	1.54E-07	3.42E-06	4.95E-06	1.29E-03	1.56E-03	3.55E-03	3.12E-04	1.69E-04	5.58E-03
5564	475492.74	3849204.66	0.00742	0.00379	0.0016	0.00229	1.21E-03	2.94E-03	3.10E-04	1.69E-04	4.63E-03	1.20E-03	1.27E-07	3.40E-06	4.93E-06	1.20E-03	1.45E-03	2.94E-03	3.10E-04	1.69E-04	4.87E-03
5565	475497.64	3849158.75	0.00754	0.004	0.0016	0.00228	1.23E-03	3.10E-03	3.08E-04	1.68E-04	4.81E-03	1.21E-03	1.34E-07	3.38E-06	4.91E-06	1.22E-03	1.48E-03	3.10E-03	3.08E-04	1.68E-04	5.05E-03
5566	475391.35	3849141.94	0.00769	0.00421	0.0016	0.00228	1.26E-03	3.27E-03	3.08E-04	1.68E-04	5.00E-03	1.24E-03	1.41E-07	3.38E-06	4.91E-06	1.25E-03	1.50E-03	3.27E-03	3.08E-04	1.68E-04	5.25E-03
5567	475277	3849095.47	0.00766	0.00425	0.0016	0.00226	1.25E-03	3.30E-03	3.06E-04	1.66E-04	5.02E-03	1.23E-03	1.43E-07	3.36E-06	4.87E-06	1.24E-03	1.50E-03	3.30E-03	3.06E-04	1.66E-04	5.27E-03
5568	475183.93	3849025.66	0.00752	0.00417	0.0016	0.00225	1.23E-03	3.23E-03	3.04E-04	1.66E-04	4.93E-03	1.21E-03	1.40E-07	3.34E-06	4.84E-06	1.22E-03	1.47E-03	3.23E-03	3.04E-04	1.66E-04	5.18E-03
5569	474453.23	3848378.77	0.00647	0.00369	0.0015	0.00209	1.06E-03	2.86E-03	2.87E-04	1.54E-04	4.36E-03	1.04E-03	1.24E-07	3.15E-06	4.50E-06	1.05E-03	1.27E-03	2.86E-03	2.87E-04	1.54E-04	4.57E-03
5570	474569.63	3848399.34	0.00646	0.00363	0.0015	0.0021	1.06E-03	2.82E-03	2.89E-04	1.55E-04	4.32E-03	1.04E-03	1.22E-07	3.17E-06	4.52E-06	1.05E-03	1.26E-03	2.82E-03	2.89E-04	1.55E-04	4.52E-03
5571	474644.33	3848464.52	0.00657	0.0037	0.0015	0.00211	1.07E-03	2.87E-03	2.89E-04	1.55E-04	4.39E-03	1.06E-03	1.24E-07	3.17E-06	4.54E-06	1.07E-03	1.29E-03	2.87E-03	2.89E-04	1.55E-04	4.60E-03
5572	474719.04	3848529.7	0.00667	0.00375	0.0015	0.00213	1.09E-03	2.91E-03	2.91E-04	1.57E-04	4.45E-03	1.07E-03	1.26E-07	3.19E-06	4.59E-06	1.08E-03	1.31E-03	2.91E-03	2.91E-04	1.57E-04	4.66E-03
5573	474793.74	3848594.88	0.00673	0.00375	0.0015	0.00214	1.10E-03	2.91E-03	2.93E-04	1.58E-04	4.46E-03	1.08E-03	1.26E-07	3.21E-06	4.61E-06	1.09E-03	1.32E-03	2.91E-03	2.93E-04	1.58E-04	4.68E-03
5574	474868.45	3848660.07	0.00677	0.00372	0.0015	0.00216	1.11E-03	2.89E-03	2.95E-04	1.59E-04	4.45E-03	1.09E-03	1.25E-07	3.23E-06	4.65E-06	1.10E-03	1.32E-03	2.89E-03	2.95E-04	1.59E-04	4.66E-03
5575	474943.15	3848725.25	0.00685	0.00373	0.0015	0.00217	1.12E-03	2.89E-03	2.97E-04	1.60E-04	4.47E-03	1.10E-03	1.25E-07	3.25E-06	4.67E-06	1.11E-03	1.34E-03	2.89E-03	2.97E-04	1.60E-04	4.69E-03
5576	475017.86	3848790.43	0.00697	0.0038	0.0015	0.00219	1.14E-03	2.95E-03	2.99E-04	1.61E-04	4.55E-03	1.12E-03	1.28E-07	3.27E-06	4.71E-06	1.13E-03	1.36E-03	2.95E-03	2.99E-04	1.61E-04	4.77E-03
5577	475092.56	3848855.61	0.00712	0.0039	0.0016	0.0022	1.16E-03	3.03E-03	3.01E-04	1.62E-04	4.65E-03	1.15E-03	1.31E-07	3.30E-06	4.74E-06	1.16E-03	1.39E-03	3.03E-03	3.01E-04	1.62E-04	4.88E-03
5578	475232.58	3848959.38	0.00732	0.00403	0.0016	0.00223	1.20E-03	3.13E-03	3.02E-04	1.64E-04	4.79E-03	1.18E-03	1.35E-07	3.32E-06	4.80E-06	1.19E-03	1.43E-03	3.13E-03	3.02E-04	1.64E-04	5.03E-03
5579	475368.47	3849029.98	0.00741	0.00406	0.0016	0.00225	1.21E-03	3.15E-03	3.04E-04	1.66E-04	4.83E-03	1.19E-03	1.36E-07	3.34E-06	4.84E-06	1.20E-03	1.45E-03	3.15E-03	3.04E-04	1.66E-04	5.07E-03
5580	475609.57	3849096.09	0.00747	0.00408	0.0016	0.00226	1.22E-03	3.16E-03	3.08E-04	1.66E-04	4.86E-03	1.20E-03	1.37E-07	3.38E-06	4.87E-06	1.21E-03	1.46E-03	3.17E-03	3.08E-04	1.66E-04	5.10E-03
5581	475680.68	3849116.62	0.00759	0.00426	0.0016	0.00226	1.24E-03	3.30E-03	3.10E-04	1.66E-04	5.02E-03	1.22E-03	1.43E-07	3.40E-06	4.87E-06	1.23E-03	1.49E-03	3.30E-03	3.10E-04	1.66E-04	5.27E-03
5582	475843.76	3849151.52	0.00772	0.00452	0.0016	0.00227	1.26E-03	3.51E-03	3.12E-04	1.67E-04	5.25E-03	1.24E-03	1.52E-07	3.42E-06	4.89E-06	1.25E-03	1.51E-03	3.51E-03	3.12E-04	1.67E-04	5.50E-03
5583	475935.73	3849165.89	0.00782	0.00479	0.0016	0.00227	1.28E-03	3.72E-03	3.14E-04	1.67E-04	5.48E-03	1.26E-03	1.61E-07	3.44E-06	4.89E-06	1.27E-03	1.53E-03	3.72E-03	3.14E-04	1.67E-04	5.73E-03
5584	476027.71	3849180.27	0.00788	0.00504	0.0016	0.00227	1.29E-03	3.91E-03	3.16E-04	1.67E-04	5.68E-03	1.27E-03	1.69E-07	3.47E-06	4.89E-06	1.28E-03	1.54E-03	3.91E-03	3.16E-04	1.67E-04	5.93E-03
5585	476119.68	3849194.64	0.00786	0.00502	0.0016	0.00227	1.29E-03	3.89E-03	3.18E-04	1.67E-04	5.66E-03	1.27E-03	1.69E-07	3.49E-06	4.89E-06	1.28E-03	1.54E-03	3.89E-03	3.18E-04	1.67E-04	5.92E-03
5586	476211.65	3849209.01	0.00787	0.00513	0.0017	0.00227	1.29E-03	3.98E-03	3.20E-04	1.67E-04	5.75E-03	1.27E-03	1.72E-07	3.51E-06	4.89E-06	1.28E-03	1.54E-03	3.98E-03	3.20E-04	1.67E-04	6.01E-03
5587	476497.8	3849283.9	0.008	0.00567	0.0017	0.00227	1.31E-03	4.40E-03	3.28E-04	1.67E-04	6.20E-03	1.29E-03	1.90E-07	3.59E-06	4.89E-06	1.30E-03	1.57E-03	4.40E-03	3.28E-04	1.67E-04	6.46E-03
5588	476603.73	3849323.77	0.00807	0.00594	0.0017	0.00228	1.32E-03	4.61E-03	3.30E-04	1.68E-04	6.43E-03	1.30E-03	2.00E-07	3.61E-06	4.91E-06	1.31E-03	1.58E-03	4.61E-03	3.30E-04	1.68E-04	6.68E-03
5589	476728.99	3849382.76	0.00819	0.00622	0.0017	0.00229	1.34E-03	4.82E-03	3.32E-04	1.69E-04	6.66E-03	1.32E-03	2.09E-07	3.64E-06	4.93E-06	1.33E-03	1.60E-03	4.83E-03	3.32E-04	1.69E-04	6.93E-03
5590	476801.27	3849418.65	0.00827	0.00641	0.0017	0.0023	1.35E-03	4.97E-03	3.34E-04	1.69E-04	6.83E-03	1.33E-03	2.15E-07	3.66E-06	4.95E-06	1.34E-03	1.62E-03	4.97E-03	3.34E-04	1.69E-04	7.09E-03
5591	476956.2	3849495.05	0.00842	0.0068	0.0017	0.00232	1.38E-03	5.27E-03	3.37E-04	1.71E-04	7.16E-03	1.36E-03	2.28E-07	3.70E-06	4.99E-06	1.37E-03	1.65E-03	5.28E-03	3.37E-04	1.71E-04	7.43E-03
5592	477038.84	3849535.56	0.00849	0.00692	0.0018	0.00233	1.39E-03	5.37E-03	3.39E-04	1.72E-04	7.27E-03	1.37E-03	2.32E-07	3.72E-06	5.02E-06	1.38E-03	1.66E-03	5.37E-03	3.39E-04	1.72E-04	7.54E-03
5593	477121.48	3849576.08	0.00857	0.00712	0.0018	0.00234	1.40E-03	5.52E-03	3.41E-04	1.72E-04	7.44E-03	1.38E-03	2.39E-07	3.74E-06	5.04E-06	1.39E-03	1.68E-03	5.52E-03	3.41E-04	1.72E-04	7.71E-03
5594	477204.13	3849616.6	0.00864	0.00723	0.0018	0.00235	1.41E-03	5.61E-03	3.43E-04	1.73E-04	7.54E-03	1.39E-03	2.43E-07	3.76E-06	5.06E-06	1.40E-03	1.69E-03	5.61E-03	3.43E-04	1.73E-04	7.82E-03
5595	477286.78	3849657.12	0.00867	0.00711	0.0018	0.00236	1.42E-03	5.52E-03	3.45E-04	1.74E-04	7.45E-03	1.40E-03	2.39E-07	3.78E-06	5.08E-06	1.41E-03	1.70E-03	5.52E-03	3.45E-04	1.74E-04	7.73E-03
5596	477369.42	3849697.63	0.00879	0.00758	0.0018	0.00237	1.44E-03	5.88E-03	3.49E-04	1.74E-04	7.84E-03	1.42E-03	2.55E-07	3.83E-06	5.10E-06	1.43E-03	1.72E-03	5.88E-03	3.49E-04	1.74E-04	8.12E-03
5597	477452.07	3849738.15	0.00885	0.00771	0.0018	0.00239	1.45E-03	5.98E-03	3.51E-04	1.76E-04	7.96E-03	1.43E-03	2.59E-07	3.85E-06	5.15E-06	1.44E-03	1.73E-03	5.98E-03	3.51E-04	1.76E-04	8.24E-03
5598	477534.71	3849778.67	0.00896	0.00806	0.0018	0.0024	1.47E-03	6.25E-03	3.53E-04	1.77E-04	8.25E-03	1.44E-03	2.71E-07	3.87E-06	5.17E-06	1.45E-03	1.75E-03	6.25E-03	3.53E-04	1.77E-04	8.54E-03
5599	477617.35	3849819.18	0.00902	0.00818	0.0018	0.00241	1.48E-03	6.35E-03	3.55E-04	1.77E-04	8.35E-03	1.45E-03	2.75E-07	3.89E-06	5.19E-06	1.46E-03	1.77E-03	6.35E-03	3.55E-04	1.77E-04	8.64E-03
5600	477824.74	3849896.37	0.00911	0.00858	0.0019	0.00244	1.49E-03	6.66E-03	3.59E-04	1.80E-04	8.68E-03	1.47E-03	2.88E-07	3.93E-06	5.25E-06	1.48E-03	1.78E-03	6.66E-03	3.59E-04	1.80E-04	8.98E-03
5601	477906.31	3849936.37	0.0091	0.00837	0.0019	0.00246	1.49E-03	6.49E-03	3.61E-04	1.81E-04	8.52E-03	1.47E-03	2.81E-07	3.95E-06	5.30E-06	1.48E-03	1.78E-03	6.49E-03	3.61E-04	1.81E-04	8.82E-03
5602	477987.89	3849976.36	0.00919	0.00859	0.0019	0.00247	1.50E-03	6.66E-03	3.63E-04	1.82E-04	8.71E-03	1.48E-03	2.89E-07	3.98E-06	5.32E-06	1.49E-03	1.80E-03	6.66E-03	3.63E-04	1.82E-04	9.01E-03
5603	478069.47	3850016.36	0.0092	0.00845	0.0019	0.00249	1.50E-03	6.55E-03	3.65E-04	1.83E-04	8.61E-03	1.48E-03	2.84E-07	4.00E-06	5.36E-06	1.49E-03	1.80E-03	6.56E-03	3.65E-04	1.83E-04	8.90E-03
5604	478151.04	3850056.35	0.00922	0.00832	0.0019	0.00251	1.51E-03	6.45E-03	3.66E-04	1.85E-04	8.51E-03	1.49E-03	2.79E-07	4.02E-06	5.40E-06	1.50E-03	1.80E-03	6.45E-03	3.66E-04	1.85E-04	8.81E-03
5605	478232.62	3850096.35	0.00928	0.00842	0.0019	0.00253	1.52E-03	6.53E-03	3.68E-04	1.86E-04	8.60E-03	1.50E-03	2.83E-07	4.04E-06	5.45E-06	1.51E-03	1.82E-03	6.53E-03	3.68E-04	1.86E-04	8.90E-03
5606	478314.2	3850136.34	0.00934	0.00854	0.0019	0.00255	1.53E-03	6.62E-03	3.70E-04	1.88E-04	8.71E-03	1.50E-03	2.87E-07	4.06E-06	5.49E-06	1.51E-03	1.83E-03	6.62E-03	3.70E-04	1.88E-04	9.01E-03
5607	478395.77	3850176.34	0.00941	0.00866	0.0019	0.00257	1.54E-03	6.72E-03	3.72E-04	1.89E-04	8.82E-03	1.52E-03	2.91E-07	4.08E-06	5.53E-06	1.53E-03	1.84E-03	6.72E-03	3.72E-04	1.89E-04	9.12E-03
5608	478575.43	3850244.45	0.00952	0.00886	0.0019	0.00261	1.56E-03	6.87E-03	3.76E-04	1.92E-04	9.00E-03	1.53E-03	2.98E-07	4.12E-06	5.62E-06	1.54E-03	1.86E-03	6.87E-03	3.76E-04	1.92E-04	9.30E-03

5609	478665.06	3850287.29	0.00963	0.00897	0.002	0.00263	1.58E-03	6.96E-03	3.78E-04	1.94E-04	9.10E-03	1.55E-03	3.01E-07	4.15E-06	5.66E-06	1.56E-03	1.88E-03	6.96E-03	3.78E-04	1.94E-04	9.41E-03
5610	478754.69	3850330.14	0.00977	0.0091	0.002	0.00266	1.60E-03	7.06E-03	3.80E-04	1.96E-04	9.23E-03	1.57E-03	3.06E-07	4.17E-06	5.73E-06	1.58E-03	1.91E-03	7.06E-03	3.80E-04	1.96E-04	9.55E-03
5611	478844.32	3850372.99	0.00996	0.00927	0.002	0.00268	1.63E-03	7.19E-03	3.82E-04	1.97E-04	9.40E-03	1.60E-03	3.11E-07	4.19E-06	5.77E-06	1.62E-03	1.95E-03	7.19E-03	3.82E-04	1.97E-04	9.72E-03
5612	478933.95	3850415.84	0.01039	0.00947	0.002	0.00269	1.70E-03	7.35E-03	3.84E-04	1.98E-04	9.63E-03	1.67E-03	3.18E-07	4.21E-06	5.79E-06	1.68E-03	2.03E-03	7.35E-03	3.84E-04	1.98E-04	9.96E-03
5613	479023.58	3850458.68	0.01033	0.00946	0.002	0.00272	1.69E-03	7.34E-03	3.86E-04	2.00E-04	9.61E-03	1.66E-03	3.18E-07	4.23E-06	5.86E-06	1.67E-03	2.02E-03	7.34E-03	3.86E-04	2.00E-04	9.95E-03
5614	479110.66	3850441.9	0.01075	0.00945	0.002	0.00273	1.76E-03	7.33E-03	3.86E-04	2.01E-04	9.68E-03	1.73E-03	3.17E-07	4.23E-06	5.88E-06	1.74E-03	2.10E-03	7.33E-03	3.86E-04	2.01E-04	1.00E-02
5615	479191.22	3850423.99	0.01103	0.00934	0.002	0.00274	1.80E-03	7.25E-03	3.84E-04	2.02E-04	9.63E-03	1.78E-03	3.14E-07	4.21E-06	5.90E-06	1.79E-03	2.16E-03	7.25E-03	3.84E-04	2.02E-04	9.99E-03
5616	479274.32	3850465.71	0.01131	0.00938	0.002	0.00276	1.85E-03	7.28E-03	3.86E-04	2.03E-04	9.72E-03	1.82E-03	3.15E-07	4.23E-06	5.94E-06	1.83E-03	2.21E-03	7.28E-03	3.86E-04	2.03E-04	1.01E-02
5617	479357.43	3850507.42	0.0116	0.0093	0.002	0.00279	1.90E-03	7.21E-03	3.86E-04	2.05E-04	9.70E-03	1.87E-03	3.12E-07	4.23E-06	6.01E-06	1.88E-03	2.27E-03	7.21E-03	3.86E-04	2.05E-04	1.01E-02
5618	479440.53	3850549.14	0.01159	0.00917	0.002	0.00282	1.90E-03	7.11E-03	3.88E-04	2.08E-04	9.60E-03	1.87E-03	3.08E-07	4.25E-06	6.07E-06	1.88E-03	2.27E-03	7.11E-03	3.88E-04	2.08E-04	9.98E-03
5619	479523.64	3850590.85	0.0119	0.00911	0.002	0.00285	1.95E-03	7.07E-03	3.90E-04	2.10E-04	9.61E-03	1.92E-03	3.06E-07	4.27E-06	6.14E-06	1.93E-03	2.33E-03	7.07E-03	3.90E-04	2.10E-04	1.00E-02
5620	479606.74	3850632.57	0.01227	0.00912	0.002	0.00287	2.01E-03	7.07E-03	3.92E-04	2.11E-04	9.68E-03	1.98E-03	3.06E-07	4.29E-06	6.18E-06	1.99E-03	2.40E-03	7.07E-03	3.92E-04	2.11E-04	1.01E-02
5621	479777.37	3850707.61	0.0132	0.00906	0.002	0.00292	2.16E-03	7.03E-03	3.94E-04	2.15E-04	9.80E-03	2.13E-03	3.04E-07	4.32E-06	6.29E-06	2.14E-03	2.58E-03	7.03E-03	3.94E-04	2.15E-04	1.02E-02
5622	479864.9	3850740.95	0.01382	0.0091	0.002	0.00294	2.26E-03	7.06E-03	3.94E-04	2.16E-04	9.93E-03	2.23E-03	3.06E-07	4.32E-06	6.33E-06	2.24E-03	2.70E-03	7.06E-03	3.94E-04	2.16E-04	1.04E-02
5623	479931.87	3850829.56	0.01394	0.00942	0.0021	0.00298	2.28E-03	7.31E-03	3.99E-04	2.19E-04	1.02E-02	2.25E-03	3.16E-07	4.38E-06	6.42E-06	2.26E-03	2.73E-03	7.31E-03	3.99E-04	2.19E-04	1.07E-02
5624	479995.55	3850926.75	0.01412	0.00995	0.0021	0.003	2.31E-03	7.72E-03	4.05E-04	2.21E-04	1.07E-02	2.28E-03	3.34E-07	4.44E-06	6.46E-06	2.29E-03	2.76E-03	7.72E-03	4.05E-04	2.21E-04	1.11E-02
5625	480079.78	3850968.64	0.0146	0.01014	0.0021	0.00302	2.39E-03	7.87E-03	4.07E-04	2.22E-04	1.09E-02	2.35E-03	3.41E-07	4.46E-06	6.50E-06	2.36E-03	2.86E-03	7.87E-03	4.07E-04	2.22E-04	1.14E-02
5626	480164.01	3851010.54	0.01511	0.01031	0.0021	0.00305	2.47E-03	8.00E-03	4.09E-04	2.25E-04	1.11E-02	2.43E-03	3.46E-07	4.49E-06	6.57E-06	2.45E-03	2.96E-03	8.00E-03	4.09E-04	2.25E-04	1.16E-02
5627	480248.23	3851052.43	0.01565	0.01047	0.0021	0.00307	2.56E-03	8.12E-03	4.11E-04	2.26E-04	1.13E-02	2.52E-03	3.52E-07	4.51E-06	6.61E-06	2.53E-03	3.06E-03	8.12E-03	4.11E-04	2.26E-04	1.18E-02
5628	480332.46	3851094.33	0.0162	0.01057	0.0021	0.0031	2.65E-03	8.20E-03	4.13E-04	2.28E-04	1.15E-02	2.61E-03	3.55E-07	4.53E-06	6.67E-06	2.62E-03	3.17E-03	8.20E-03	4.13E-04	2.28E-04	1.20E-02
5629	480416.69	3851136.22	0.01678	0.01057	0.0021	0.00313	2.74E-03	8.20E-03	4.15E-04	2.30E-04	1.16E-02	2.70E-03	3.55E-07	4.55E-06	6.74E-06	2.72E-03	3.28E-03	8.20E-03	4.15E-04	2.30E-04	1.21E-02
5630	480579.95	3851215.17	0.01797	0.0107	0.0022	0.0032	2.94E-03	8.30E-03	4.19E-04	2.36E-04	1.19E-02	2.90E-03	3.59E-07	4.59E-06	6.89E-06	2.91E-03	3.52E-03	8.30E-03	4.19E-04	2.36E-04	1.25E-02
5631	480658.98	3851252.22	0.01855	0.01081	0.0022	0.00324	3.03E-03	8.39E-03	4.21E-04	2.39E-04	1.21E-02	2.99E-03	3.63E-07	4.61E-06	6.97E-06	3.00E-03	3.63E-03	8.39E-03	4.21E-04	2.39E-04	1.27E-02
5632	480817.36	3851327.85	0.01965	0.01102	0.0022	0.00331	3.21E-03	8.55E-03	4.25E-04	2.44E-04	1.24E-02	3.17E-03	3.70E-07	4.66E-06	7.13E-06	3.18E-03	3.85E-03	8.55E-03	4.25E-04	2.44E-04	1.31E-02
5633	480896.72	3851366.42	0.02012	0.01107	0.0022	0.00336	3.29E-03	8.59E-03	4.27E-04	2.47E-04	1.26E-02	3.24E-03	3.72E-07	4.68E-06	7.23E-06	3.25E-03	3.94E-03	8.59E-03	4.27E-04	2.47E-04	1.32E-02
5634	480976.07	3851405	0.02059	0.01111	0.0022	0.0034	3.37E-03	8.62E-03	4.29E-04	2.50E-04	1.27E-02	3.32E-03	3.73E-07	4.70E-06	7.32E-06	3.33E-03	4.03E-03	8.62E-03	4.29E-04	2.50E-04	1.33E-02
5635	481178	3851487.31	0.02285	0.01113	0.0022	0.0035	3.74E-03	8.63E-03	4.34E-04	2.58E-04	1.31E-02	3.68E-03	3.74E-07	4.76E-06	7.53E-06	3.69E-03	4.47E-03	8.63E-03	4.34E-04	2.58E-04	1.38E-02
5636	481244.9	3851557.17	0.02329	0.01133	0.0023	0.00355	3.81E-03	8.79E-03	4.38E-04	2.61E-04	1.33E-02	3.75E-03	3.81E-07	4.81E-06	7.64E-06	3.77E-03	4.56E-03	8.79E-03	4.38E-04	2.61E-04	1.40E-02
5637	481311.81	3851627.03	0.02375	0.01148	0.0023	0.00361	3.88E-03	8.91E-03	4.42E-04	2.66E-04	1.35E-02	3.83E-03	3.86E-07	4.85E-06	7.77E-06	3.84E-03	4.65E-03	8.91E-03	4.42E-04	2.66E-04	1.43E-02
5638	481378.71	3851696.89	0.02424	0.01162	0.0023	0.00367	3.96E-03	9.01E-03	4.48E-04	2.70E-04	1.37E-02	3.91E-03	3.90E-07	4.91E-06	7.90E-06	3.92E-03	4.74E-03	9.01E-03	4.48E-04	2.70E-04	1.45E-02
5639	481445.61	3851766.76	0.02477	0.01177	0.0023	0.00373	4.05E-03	9.13E-03	4.52E-04	2.75E-04	1.39E-02	3.99E-03	3.95E-07	4.95E-06	8.03E-06	4.00E-03	4.85E-03	9.13E-03	4.52E-04	2.75E-04	1.47E-02
5640	481512.51	3851836.62	0.02535	0.0119	0.0024	0.0038	4.15E-03	9.23E-03	4.56E-04	2.80E-04	1.41E-02	4.08E-03	4.00E-07	5.00E-06	8.18E-06	4.10E-03	4.96E-03	9.23E-03	4.56E-04	2.80E-04	1.49E-02
5641	481579.42	3851906.48	0.02596	0.01204	0.0024	0.00387	4.25E-03	9.34E-03	4.61E-04	2.85E-04	1.43E-02	4.18E-03	4.04E-07	5.06E-06	8.33E-06	4.20E-03	5.08E-03	9.34E-03	4.61E-04	2.85E-04	1.52E-02
5642	481646.32	3851976.34	0.02659	0.01221	0.0024	0.00394	4.35E-03	9.47E-03	4.65E-04	2.90E-04	1.46E-02	4.28E-03	4.10E-07	5.10E-06	8.48E-06	4.30E-03	5.20E-03	9.47E-03	4.65E-04	2.90E-04	1.54E-02
5643	481713.22	3852046.2	0.02727	0.01226	0.0024	0.00402	4.46E-03	9.51E-03	4.69E-04	2.96E-04	1.47E-02	4.39E-03	4.12E-07	5.15E-06	8.65E-06	4.41E-03	5.34E-03	9.51E-03	4.69E-04	2.96E-04	1.56E-02
5644	481780.12	3852116.06	0.02795	0.01253	0.0025	0.0041	4.57E-03	9.72E-03	4.75E-04	3.02E-04	1.51E-02	4.50E-03	4.21E-07	5.21E-06	8.83E-06	4.52E-03	5.47E-03	9.72E-03	4.75E-04	3.02E-04	1.60E-02
5645	481847.03	3852185.92	0.02865	0.0129	0.0025	0.00418	4.69E-03	1.00E-02	4.81E-04	3.08E-04	1.55E-02	4.62E-03	4.33E-07	5.27E-06	9.00E-06	4.63E-03	5.61E-03	1.00E-02	4.81E-04	3.08E-04	1.64E-02
5646	481913.93	3852255.78	0.02936	0.01333	0.0025	0.00427	4.80E-03	1.03E-02	4.87E-04	3.14E-04	1.59E-02	4.73E-03	4.48E-07	5.34E-06	9.19E-06	4.75E-03	5.75E-03	1.03E-02	4.87E-04	3.14E-04	1.69E-02
5647	481980.83	3852325.65	0.03001	0.01383	0.0025	0.00436	4.91E-03	1.07E-02	4.93E-04	3.21E-04	1.64E-02	4.84E-03	4.65E-07	5.40E-06	9.39E-06	4.85E-03	5.87E-03	1.07E-02	4.93E-04	3.21E-04	1.74E-02
5648	482047.73	3852395.51	0.03079	0.01421	0.0026	0.00447	5.04E-03	1.10E-02	4.98E-04	3.29E-04	1.69E-02	4.96E-03	4.77E-07	5.46E-06	9.62E-06	4.98E-03	6.02E-03	1.10E-02	4.98E-04	3.29E-04	1.79E-02
5649	482114.64	3852465.37	0.03158	0.01471	0.0026	0.00459	5.17E-03	1.14E-02	5.06E-04	3.38E-04	1.74E-02	5.09E-03	4.94E-07	5.55E-06	9.88E-06	5.10E-03	6.18E-03	1.14E-02	5.06E-04	3.38E-04	1.84E-02
5650	482181.54	3852535.23	0.03249	0.01504	0.0026	0.00472	5.31E-03	1.17E-02	5.12E-04	3.48E-04	1.78E-02	5.24E-03	5.05E-07	5.61E-06	1.02E-05	5.25E-03	6.36E-03	1.17E-02	5.12E-04	3.48E-04	1.89E-02
5651	482338.69	3852700.04	0.0348	0.01614	0.0027	0.00507	5.69E-03	1.25E-02	5.27E-04	3.73E-04	1.91E-02	5.61E-03	5.42E-07	5.78E-06	1.09E-05	5.62E-03	6.81E-03	1.25E-02	5.27E-04	3.73E-04	2.02E-02
5652	482404.05	3852767.78	0.03595	0.01665	0.0028	0.00523	5.88E-03	1.29E-02	5.33E-04	3.85E-04	1.97E-02	5.79E-03	5.59E-07	5.85E-06	1.13E-05	5.81E-03	7.03E-03	1.29E-02	5.33E-04	3.85E-04	2.09E-02
5653	482469.4	3852835.52	0.03723	0.0172	0.0028	0.0054	6.09E-03	1.33E-02	5.39E-04	3.98E-04	2.04E-02	6.00E-03	5.78E-07	5.91E-06	1.16E-05	6.02E-03	7.29E-03	1.33E-02	5.39E-04	3.98E-04	2.16E-02
5654	482534.75	3852903.25	0.03868	0.01767	0.0028	0.00557	6.33E-03	1.37E-02	5.45E-04	4.10E-04	2.10E-02	6.23E-03	5.94E-07	5.97E-06	1.20E-05	6.25E-03	7.57E-03	1.37E-02	5.45E-04	4.10E-04	2.22E-02
5655	482600.11	3852970.98	0.04018	0.01823	0.0029	0.00574	6.57E-03	1.41E-02	5.53E-04	4.23E-04	2.17E-02	6.47E-03	6.12E-07	6.06E-06	1.24E-05	6.49E-03	7.86E-03	1.41E-02	5.53E-04	4.23E-04	2.30E-02
5656	482706.71	3853119.28	0.04233	0.01926	0.0029	0.00612	6.92E-03	1.49E-02	5.66E-04	4.51E-04	2.29E-02	6.82E-03	6.47E-07	6.21E-06	1.32E-05	6.84E-03	8.28E-03	1.49E-02	5.66E-04	4.51E-04	2.42E-02
5657	482747.96	3853199.84	0.04287	0.02004	0.003	0.00634	7.01E-03	1.55E-02	5.74E-04	4.67E-04	2.36E-02	6.91E-03	6.73E-07	6.29E-06	1.36E-05	6.93E-03	8.39E-03	1.55E-02	5.74E-04	4.67E-04	2.50E-02
5658	482789.21	3853280.4	0.04337	0.02092	0.003	0.00657	7.09E-03	1.62E-02	5.84E-04	4.84E-04	2.44E-02	6.99E-03	7.03E-07	6.40E-06	1.41E-05	7.01E-03	8.49E-03	1.62E-02	5.84E-04	4.84E-04	2.58E-02
5659	482830.46	3853360.96	0.0439	0.02175	0.0031	0.00682	7.18E-03	1.69E-02	5.93E-04	5.02E-04	2.51E-02	7.07E-03	7.31E-07	6.51E-06	1.47E-05	7.10E-03	8.59E-03	1.69E-02	5.93E-04	5.02E-04	2.66E-02
5660	482871.71	3853441.52	0.04446	0.0226	0.0031	0.00709	7.27E-03	1.75E-02	6.03E-04	5.22E-04	2.59E-02	7.16E-03	7.59E-07	6.61E-06	1.53E-05	7.19E-03	8.70E-03	1.75E-02	6.03E-04	5.22E-04	2.74E-02
5661	482912.95	3853522.07	0.0453	0.02318	0.0032	0.00738	7.41E-03	1.80E-02	6.11E-04	5.43E-04	2.65E-02	7.30E-03	7.79E-07	6.70E-06	1.59E-05	7.32E-03	8.86E-03	1.80E-02	6.11E-04	5.43E-04	2.80E-02
5662	482954.2	3853602.63	0.0464	0.02377	0.0032	0.0077	7.59E-03	1.84E-02	6.19E-04	5.67E-04	2.72E-02	7.48E-03	7.98E-07	6.78E-06	1.66E-05	7.50E-03	9.08E-03	1.84E-02	6.19E-04	5.67E-04	2.87E-02
5663	482995.45	3853683.19	0.04793	0.02422	0.0032	0.00804	7.84E-03	1.88E-02	6.28E-04	5.92E-04	2.78E-02	7.72E-03	8.14E-07	6.89E-06	1.73E-05	7.75E-03	9.38E-03	1.88E-02	6.28E-04	5.92E-04	2.94E-02
5664	483036.7	3853763.75	0.04991	0.02465	0.0033	0.00843	8.16E-03	1.91E-02	6.36E-04	6.21E-04	2.85E-02	8.04E-03	8.28E-07	6.97E-06	1.81E-05	8.07E-03	9.77E-03	1.91E-02	6.36E-04	6.21E-04	3.01E-02
5665	483214.2	3853909.91	0.05753	0.02266	0.0034	0.00925	9.41E-03	1.76E-02	6.52E-04	6.81E-04	2.83E-02	9.27E-03	7.61E-07	7.14E-06	1.99E-05	9.30E-03	1.13E-02	1.76E-02	6.52E-04	6.81E-04	3.02E-02
5666	483307.01	3853910.44	0.06057	0.02241	0.0034	0.00926	9.91E-03	1.74E-02	6.52E-04	6.82E-04	2.86E-02	9.76E-03	7.53E-07	7.14E-06	1.99E-05	9.79E-03	1.19E-02	1.74E-02	6.52E-04	6.82E-04	3.06E-02
5667	483399.83	3853910.96	0.06479	0.02172	0.0034	0.0094	1.06E-02	1.68E-02	6.52E-04	6.92E-04	2.88E-02	1.04E-02	7.30E-07	7.14E-06	2.02E-05	1.05E-02	1.27E-02	1.68E-02	6.52E-04	6.92E-04	3.09E-02
5668	483494.52	3854009.24	0.06995	0.02266	0.0034	0.01047	1.14E-02	1.76E-02	6.67E-04	7.71E-04	3.05E-02	1.13E-02	7.61E-07	7.31E-06	2.25E-05	1.13E-02	1.37E-02	1.76E-02	6.67E-04	7.71E-04	3.27E-02
5669	483496.41	3854106.98	0.07165	0.02436	0.0035	0.01161	1.17E-02	1.89E-02	6.81E-04	8.55E-04	3.22E-02	1.15E-02	8.18E-07	7.46E-06	2.50E-05	1.16E-02	1.40E-02	1.89E-02	6.81E-04	8.55E-04	3.45E-02

5670	483577.56	3854261.96	0.08019	0.02456	0.0036	0.01468	1.31E-02	1.91E-02	7.00E-04	1.08E-03	3.39E-02	1.29E-02	8.25E-07	7.68E-06	3.16E-05	1.30E-02	1.57E-02	1.91E-02	7.00E-04	1.08E-03	3.65E-02
5671	483656.83	3854319.19	0.08432	0.02404	0.0037	0.01719	1.38E-02	1.86E-02	7.10E-04	1.27E-03	3.44E-02	1.36E-02	8.08E-07	7.78E-06	3.70E-05	1.36E-02	1.65E-02	1.86E-02	7.10E-04	1.27E-03	3.71E-02
5672	483736.1	3854376.41	0.08936	0.02395	0.0037	0.02099	1.46E-02	1.86E-02	7.19E-04	1.55E-03	3.55E-02	1.44E-02	8.05E-07	7.89E-06	4.52E-05	1.45E-02	1.75E-02	1.86E-02	7.19E-04	1.55E-03	3.83E-02
5673	483815.36	3854433.64	0.09479	0.02463	0.0038	0.02581	1.55E-02	1.91E-02	7.29E-04	1.90E-03	3.72E-02	1.53E-02	8.27E-07	7.99E-06	5.56E-05	1.53E-02	1.85E-02	1.91E-02	7.29E-04	1.90E-03	4.03E-02
5674	483894.63	3854490.87	0.0997	0.02602	0.0038	0.03168	1.63E-02	2.02E-02	7.39E-04	2.33E-03	3.96E-02	1.61E-02	8.74E-07	8.10E-06	6.82E-05	1.61E-02	1.95E-02	2.02E-02	7.39E-04	2.33E-03	4.28E-02
5675	483973.9	3854548.1	0.10428	0.02828	0.0039	0.03728	1.71E-02	2.19E-02	7.50E-04	2.74E-03	4.25E-02	1.68E-02	9.50E-07	8.23E-06	8.03E-05	1.69E-02	2.04E-02	2.19E-02	7.50E-04	2.74E-03	4.58E-02
5676	484053.17	3854605.32	0.11087	0.0317	0.0039	0.04112	1.81E-02	2.46E-02	7.62E-04	3.03E-03	4.65E-02	1.79E-02	1.06E-06	8.36E-06	8.85E-05	1.80E-02	2.17E-02	2.46E-02	7.62E-04	3.03E-03	5.01E-02
5677	484214.97	3854698.15	0.12953	0.03875	0.004	0.04239	2.12E-02	3.01E-02	7.83E-04	3.12E-03	5.51E-02	2.09E-02	1.30E-06	8.59E-06	9.13E-05	2.10E-02	2.53E-02	3.01E-02	7.83E-04	3.12E-03	5.93E-02
5678	484297.5	3854733.74	0.14552	0.04284	0.0041	0.04138	2.38E-02	3.32E-02	7.93E-04	3.05E-03	6.09E-02	2.34E-02	1.44E-06	8.70E-06	8.91E-05	2.35E-02	2.85E-02	3.32E-02	7.93E-04	3.05E-03	6.55E-02
5679	484380.03	3854769.34	0.15969	0.046	0.0041	0.03985	2.61E-02	3.57E-02	8.03E-04	2.93E-03	6.55E-02	2.57E-02	1.55E-06	8.80E-06	8.58E-05	2.58E-02	3.12E-02	3.57E-02	8.03E-04	2.93E-03	7.07E-02
5680	484462.56	3854804.94	0.18117	0.05042	0.0042	0.03784	2.96E-02	3.91E-02	8.11E-04	2.79E-03	7.23E-02	2.92E-02	1.69E-06	8.89E-06	8.15E-05	2.93E-02	3.55E-02	3.91E-02	8.11E-04	2.79E-03	7.82E-02
5681	484545.09	3854840.53	0.19946	0.05304	0.0042	0.03579	3.26E-02	4.11E-02	8.22E-04	2.64E-03	7.72E-02	3.21E-02	1.78E-06	9.01E-06	7.70E-05	3.22E-02	3.90E-02	4.11E-02	8.22E-04	2.64E-03	8.36E-02
5682	484691.88	3854912.58	0.27049	0.06142	0.0043	0.03157	4.42E-02	4.76E-02	8.42E-04	2.32E-03	9.51E-02	4.36E-02	2.06E-06	9.23E-06	6.80E-05	4.37E-02	5.29E-02	4.76E-02	8.42E-04	2.32E-03	1.04E-01
5683	484830.81	3855012.51	0.59172	0.07176	0.0045	0.02978	9.68E-02	5.57E-02	8.69E-04	2.19E-03	1.56E-01	9.53E-02	2.41E-06	9.53E-06	6.41E-05	9.54E-02	1.16E-01	5.57E-02	8.69E-04	2.19E-03	1.75E-01
5684	484905.48	3855075.97	1.49153	0.08117	0.0046	0.03014	2.44E-01	6.30E-02	8.86E-04	2.22E-03	3.10E-01	2.40E-01	2.73E-06	9.72E-06	6.49E-05	2.40E-01	2.92E-01	6.30E-02	8.86E-04	2.22E-03	3.58E-01
5685	484980.14	3855139.44	2.35397	0.08884	0.0047	0.03155	3.85E-01	6.89E-02	9.06E-04	2.32E-03	4.57E-01	3.79E-01	2.98E-06	9.93E-06	6.79E-05	3.79E-01	4.61E-01	6.89E-02	9.06E-04	2.32E-03	5.33E-01
5686	485054.81	3855202.91	2.90851	0.09485	0.0048	0.03367	4.76E-01	7.36E-02	9.25E-04	2.48E-03	5.53E-01	4.69E-01	3.19E-06	1.01E-05	7.25E-05	4.69E-01	5.69E-01	7.36E-02	9.25E-04	2.48E-03	6.46E-01
5687	485129.48	3855266.37	3.08302	0.09807	0.0049	0.03643	5.04E-01	7.61E-02	9.46E-04	2.68E-03	5.84E-01	4.97E-01	3.29E-06	1.04E-05	7.84E-05	4.97E-01	6.03E-01	7.61E-02	9.46E-04	2.68E-03	6.83E-01
5688	485204.15	3855329.84	3.52836	0.10619	0.005	0.04039	5.77E-01	8.24E-02	9.68E-04	2.97E-03	6.63E-01	5.69E-01	3.57E-06	1.06E-05	8.69E-05	5.69E-01	6.90E-01	8.24E-02	9.68E-04	2.97E-03	7.77E-01
5689	485278.82	3855393.31	3.69986	0.11167	0.0051	0.04533	6.05E-01	8.66E-02	9.91E-04	3.34E-03	6.96E-01	5.96E-01	3.75E-06	1.09E-05	9.76E-05	5.96E-01	7.24E-01	8.66E-02	9.91E-04	3.34E-03	8.15E-01
5690	485353.48	3855456.77	3.9429	0.11889	0.0052	0.05026	6.45E-01	9.22E-02	1.02E-03	3.70E-03	7.42E-01	6.35E-01	3.99E-06	1.11E-05	1.08E-04	6.35E-01	7.72E-01	9.22E-02	1.02E-03	3.70E-03	8.68E-01
5691	485428.15	3855520.24	4.0311	0.12455	0.0054	0.05531	6.59E-01	9.66E-02	1.04E-03	4.07E-03	7.61E-01	6.50E-01	4.18E-06	1.14E-05	1.19E-04	6.50E-01	7.89E-01	9.66E-02	1.04E-03	4.07E-03	8.91E-01
5692	485502.82	3855583.71	4.12688	0.13082	0.0055	0.06027	6.75E-01	1.01E-01	1.07E-03	4.44E-03	7.82E-01	6.65E-01	4.39E-06	1.17E-05	1.30E-04	6.65E-01	8.08E-01	1.01E-01	1.07E-03	4.44E-03	9.15E-01
5693	485577.49	3855647.17	4.37807	0.14041	0.0057	0.06497	7.16E-01	1.09E-01	1.10E-03	4.78E-03	8.31E-01	7.05E-01	4.72E-06	1.21E-05	1.40E-04	7.06E-01	8.57E-01	1.09E-01	1.10E-03	4.78E-03	9.72E-01
5694	485652.16	3855710.64	4.59407	0.15077	0.0058	0.06967	7.51E-01	1.17E-01	1.13E-03	5.13E-03	8.75E-01	7.40E-01	5.06E-06	1.24E-05	1.50E-04	7.40E-01	8.99E-01	1.17E-01	1.13E-03	5.13E-03	1.02E+00
5695	485726.83	3855774.1	4.72398	0.15837	0.006	0.07444	7.73E-01	1.23E-01	1.16E-03	5.48E-03	9.02E-01	7.61E-01	5.32E-06	1.28E-05	1.60E-04	7.61E-01	9.24E-01	1.23E-01	1.16E-03	5.48E-03	1.05E+00
5696	485801.49	3855837.57	4.62336	0.16435	0.0062	0.07863	7.56E-01	1.27E-01	1.20E-03	5.79E-03	8.91E-01	7.45E-01	5.52E-06	1.32E-05	1.69E-04	7.45E-01	9.05E-01	1.27E-01	1.20E-03	5.79E-03	1.04E+00
5697	485876.16	3855901.04	4.73255	0.17213	0.0064	0.0815	7.74E-01	1.34E-01	1.24E-03	6.00E-03	9.15E-01	7.63E-01	5.78E-06	1.36E-05	1.75E-04	7.63E-01	9.26E-01	1.34E-01	1.24E-03	6.00E-03	1.07E+00
5698	485950.83	3855964.5	4.63436	0.17858	0.0066	0.0833	7.58E-01	1.39E-01	1.28E-03	6.13E-03	9.04E-01	7.47E-01	6.00E-06	1.40E-05	1.79E-04	7.47E-01	9.07E-01	1.39E-01	1.28E-03	6.13E-03	1.05E+00
5699	486025.5	3856027.97	4.52988	0.18258	0.0068	0.08338	7.41E-01	1.42E-01	1.32E-03	6.14E-03	8.90E-01	7.30E-01	6.13E-06	1.45E-05	1.79E-04	7.30E-01	8.86E-01	1.42E-01	1.32E-03	6.14E-03	1.04E+00
5700	486100.17	3856091.44	4.77782	0.19617	0.0071	0.08131	7.81E-01	1.52E-01	1.37E-03	5.99E-03	9.41E-01	7.70E-01	6.59E-06	1.50E-05	1.75E-04	7.70E-01	9.35E-01	1.52E-01	1.37E-03	5.99E-03	1.09E+00
5701	486174.83	3856154.9	4.59561	0.19824	0.0073	0.07877	7.52E-01	1.54E-01	1.42E-03	5.80E-03	9.13E-01	7.40E-01	6.66E-06	1.56E-05	1.70E-04	7.41E-01	8.99E-01	1.54E-01	1.42E-03	5.80E-03	1.06E+00
5702	486249.5	3856218.37	4.21293	0.19406	0.0077	0.07575	6.89E-01	1.51E-01	1.48E-03	5.58E-03	8.47E-01	6.79E-01	6.52E-06	1.63E-05	1.63E-04	6.79E-01	8.24E-01	1.51E-01	1.48E-03	5.58E-03	9.82E-01
5703	486324.17	3856281.84	3.88807	0.19204	0.008	0.07242	6.36E-01	1.49E-01	1.55E-03	5.33E-03	7.92E-01	6.26E-01	6.45E-06	1.70E-05	1.56E-04	6.27E-01	7.61E-01	1.49E-01	1.55E-03	5.33E-03	9.17E-01
5704	486398.84	3856345.3	3.98105	0.19943	0.0084	0.06834	6.51E-01	1.55E-01	1.62E-03	5.03E-03	8.12E-01	6.41E-01	6.70E-06	1.78E-05	1.47E-04	6.42E-01	7.79E-01	1.55E-01	1.62E-03	5.03E-03	9.40E-01
5705	486473.51	3856408.77	3.96755	0.20381	0.0088	0.06398	6.49E-01	1.58E-01	1.70E-03	4.71E-03	8.13E-01	6.39E-01	6.85E-06	1.86E-05	1.38E-04	6.39E-01	7.76E-01	1.58E-01	1.70E-03	4.71E-03	9.41E-01
5706	486548.17	3856472.24	4.07483	0.21076	0.0092	0.05904	6.66E-01	1.63E-01	1.78E-03	4.35E-03	8.36E-01	6.57E-01	7.08E-06	1.96E-05	1.27E-04	6.57E-01	7.97E-01	1.63E-01	1.78E-03	4.35E-03	9.67E-01
5707	486622.84	3856535.7	4.19028	0.21764	0.0097	0.05389	6.85E-01	1.69E-01	1.88E-03	3.97E-03	8.60E-01	6.75E-01	7.31E-06	2.06E-05	1.16E-04	6.75E-01	8.20E-01	1.69E-01	1.88E-03	3.97E-03	9.95E-01
5708	486765.48	3856659.69	4.49034	0.23263	0.0108	0.04434	7.34E-01	1.80E-01	2.09E-03	3.26E-03	9.20E-01	7.24E-01	7.81E-06	2.29E-05	9.55E-05	7.24E-01	8.79E-01	1.80E-01	2.09E-03	3.26E-03	1.06E+00
5709	486833.44	3856720.2	4.62824	0.23773	0.0114	0.04043	7.57E-01	1.84E-01	2.21E-03	2.98E-03	9.47E-01	7.46E-01	7.99E-06	2.42E-05	8.70E-05	7.46E-01	9.06E-01	1.84E-01	2.21E-03	2.98E-03	1.10E+00
5710	486901.41	3856780.72	4.69418	0.2442	0.0121	0.03704	7.68E-01	1.89E-01	2.34E-03	2.73E-03	9.62E-01	7.56E-01	8.20E-06	2.57E-05	7.97E-05	7.56E-01	9.19E-01	1.89E-01	2.34E-03	2.73E-03	1.11E+00
5711	486969.38	3856841.24	4.71696	0.24882	0.0129	0.03417	7.72E-01	1.93E-01	2.50E-03	2.52E-03	9.70E-01	7.60E-01	8.36E-06	2.74E-05	7.36E-05	7.60E-01	9.23E-01	1.93E-01	2.50E-03	2.52E-03	1.12E+00
5712	487037.34	3856901.75	4.69902	0.25255	0.0138	0.03175	7.69E-01	1.96E-01	2.68E-03	2.34E-03	9.69E-01	7.57E-01	8.48E-06	2.94E-05	6.83E-05	7.57E-01	9.20E-01	1.96E-01	2.68E-03	2.34E-03	1.12E+00
5713	487271.23	3856855.51	2.73013	0.23547	0.0156	0.03108	4.47E-01	1.83E-01	3.02E-03	2.29E-03	6.35E-01	4.40E-01	7.91E-06	3.31E-05	6.69E-05	4.40E-01	5.34E-01	1.83E-01	3.02E-03	2.29E-03	7.22E-01
5714	487368.96	3856857.29	2.38569	0.23041	0.017	0.03035	3.90E-01	1.79E-01	3.30E-03	2.23E-03	5.74E-01	3.84E-01	7.74E-06	3.62E-05	6.53E-05	3.85E-01	4.67E-01	1.79E-01	3.30E-03	2.23E-03	6.51E-01
5715	487466.68	3856859.06	2.10102	0.22634	0.0187	0.02967	3.44E-01	1.76E-01	3.62E-03	2.18E-03	5.25E-01	3.39E-01	7.60E-06	3.97E-05	6.39E-05	3.39E-01	4.11E-01	1.76E-01	3.62E-03	2.18E-03	5.93E-01
5716	487636.44	3856930	1.70649	0.22467	0.0231	0.02754	2.79E-01	1.74E-01	4.49E-03	2.03E-03	4.60E-01	2.75E-01	7.55E-06	4.92E-05	5.93E-05	2.75E-01	3.34E-01	1.74E-01	4.49E-03	2.03E-03	5.15E-01
5717	487709.57	3856928.43	1.56452	0.2219	0.025	0.02725	2.56E-01	1.72E-01	4.86E-03	2.01E-03	4.35E-01	2.52E-01	7.45E-06	5.32E-05	5.87E-05	2.52E-01	3.06E-01	1.72E-01	4.86E-03	2.01E-03	4.85E-01
5718	487782.54	3856841.96	1.47236	0.21013	0.0248	0.02806	2.41E-01	1.63E-01	4.80E-03	2.07E-03	4.11E-01	2.37E-01	7.06E-06	5.27E-05	6.04E-05	2.37E-01	2.88E-01	1.63E-01	4.80E-03	2.07E-03	4.58E-01
5719	487849.83	3856754.74	1.37046	0.19923	0.0229	0.02885	2.24E-01	1.55E-01	4.44E-03	2.12E-03	3.85E-01	2.21E-01	6.69E-06	4.87E-05	6.21E-05	2.21E-01	2.68E-01	1.55E-01	4.44E-03	2.12E-03	4.29E-01
5720	487918.03	3856819.39	1.29675	0.20411	0.0234	0.02762	2.12E-01	1.58E-01	4.54E-03	2.03E-03	3.77E-01	2.09E-01	6.86E-06	4.98E-05	5.95E-05	2.09E-01	2.54E-01	1.58E-01	4.54E-03	2.03E-03	4.19E-01
5721	487918.8	3856886.37	1.2786	0.21065	0.0252	0.02688	2.09E-01	1.63E-01	4.89E-03	1.98E-03	3.79E-01	2.06E-01	7.08E-06	5.36E-05	5.79E-05	2.06E-01	2.50E-01	1.63E-01	4.89E-03	1.98E-03	4.20E-01
5722	488065.47	3857127.5	0.90895	0.22152	0.0312	0.02488	1.49E-01	1.72E-01	6.05E-03	1.83E-03	3.28E-01	1.46E-01	7.44E-06	6.64E-05	5.36E-05	1.47E-01	1.78E-01	1.72E-01	6.05E-03	1.83E-03	3.58E-01
5723	488192.19	3857385.83	0.55335	0.24133	0.0506	0.026	9.05E-02	1.87E-01	9.81E-03	1.91E-03	2.89E-01	8.92E-02	8.11E-06	1.08E-04	5.60E-05	8.93E-02	1.08E-01	1.87E-01	9.81E-03	1.91E-03	3.07E-01
5724	488191.22	3857473.87	0.46897	0.25205	0.0629	0.0274	7.67E-02	1.96E-01	1.22E-02	2.02E-03	2.86E-01	7.56E-02	8.47E-06	1.34E-04	5.90E-05	7.58E-02	9.18E-02	1.96E-01	1.22E-02	2.02E-03	3.02E-01
5725	488190.24	3857561.9	0.39547	0.26432	0.0808	0.02932	6.47E-02	2.05E-01	1.57E-02	2.16E-03	2.88E-01	6.37E-02	8.88E-06	1.72E-04	6.31E-05	6.40E-02	7.74E-02	2.05E-01	1.57E-02	2.16E-03	3.00E-01
5726	488158.35	3857691.13	0.30544	0.28604	0.1255	0.03314	5.00E-02	2.22E-01	2.43E-02	2.44E-03	2.99E-01	4.92E-02	9.61E-06	2.67E-04	7.13E-05	4.96E-02	5.98E-02	2.22E-01	2.43E-02	2.44E-03	3.08E-01
5727	488208.37	3857816.66	0.24221	0.30913	0.3867	0.03794	3.96E-02	2.40E-01	7.50E-02	2.79E-03	3.57E-01	3.90E-02	1.04E-05	8.22E-04	8.17E-05	3.99E-02	4.74E-02	2.40E-01	7.50E-02	2.79E-03	3.65E-01
5728	488271.97	3857874.6	0.22197	0.31943	1.7219	0.0403	3.63E-02	2.48E-01	3.34E-01	2.97E-03	6.21E-01	3.58E-02	1.07E-05	3.66E-03	8.68E-05	3.95E-02	4.34E-02	2.48E-01	3.34E-01	2.97E-03	6.28E-01
5729	488463.56	3857942.31	0.20698	0.32568	2.7688	0.04301	3.39E-02	2.53E-01	5.37E-01	3.17E-03	8.27E-01	3.34E-02	1.09E-05	5.89E-03	9.26E-05	3.93E-02	4.05E-02	2.53E-01	5.37E-01	3.17E-03	8.33E-01
5730	488554.83	3857940.83	0.21121	0.31894	2.1428	0.04245	3.45E-02	2.47E-01	4.16E-01	3.13E-03	7.01E-01	3.40E-02	1.07E-05	4.56E-03	9.14E-05	3.87E-02	4.13E-02	2.47E-01	4.16E-01	3.13E-03	7.07E-01

5731	488646.1	3857939.36	0.21469	0.31213	1.6805	0.04182	3.51E-02	2.42E-01	3.26E-01	3.08E-03	6.06E-01	3.46E-02	1.05E-05	3.57E-03	9.00E-05	3.83E-02	4.20E-02	2.42E-01	3.26E-01	3.08E-03	6.13E-01
5732	488737.37	3857937.88	0.21751	0.30542	1.35	0.04117	3.56E-02	2.37E-01	2.62E-01	3.03E-03	5.37E-01	3.50E-02	1.03E-05	2.87E-03	8.86E-05	3.80E-02	4.26E-02	2.37E-01	2.62E-01	3.03E-03	5.44E-01
5733	488733.59	3857960.57	0.21079	0.31023	1.3199	0.04213	3.45E-02	2.41E-01	2.56E-01	3.10E-03	5.34E-01	3.40E-02	1.04E-05	2.81E-03	9.07E-05	3.69E-02	4.12E-02	2.41E-01	2.56E-01	3.10E-03	5.41E-01
5734	488638.09	3857961.57	0.20764	0.31748	1.6688	0.0429	3.40E-02	2.46E-01	3.24E-01	3.16E-03	6.07E-01	3.35E-02	1.07E-05	3.55E-03	9.24E-05	3.71E-02	4.06E-02	2.46E-01	3.24E-01	3.16E-03	6.14E-01
5735	488542.6	3857962.56	0.20378	0.32508	2.1758	0.04364	3.33E-02	2.52E-01	4.22E-01	3.21E-03	7.11E-01	3.28E-02	1.09E-05	4.63E-03	9.39E-05	3.76E-02	3.99E-02	2.52E-01	4.22E-01	3.21E-03	7.17E-01
5736	488447.1	3857963.56	0.19939	0.33217	2.8892	0.04424	3.26E-02	2.58E-01	5.60E-01	3.26E-03	8.54E-01	3.21E-02	1.12E-05	6.14E-03	9.52E-05	3.84E-02	3.90E-02	2.58E-01	5.60E-01	3.26E-03	8.60E-01
5737	488254.28	3857890.36	0.21517	0.32458	1.9223	0.04119	3.52E-02	2.52E-01	3.73E-01	3.03E-03	6.63E-01	3.47E-02	1.09E-05	4.09E-03	8.87E-05	3.89E-02	4.21E-02	2.52E-01	3.73E-01	3.03E-03	6.70E-01
5738	488191.69	3857833.06	0.23428	0.31327	0.3942	0.03877	3.83E-02	2.43E-01	7.64E-02	2.85E-03	3.61E-01	3.77E-02	1.05E-05	8.38E-04	8.35E-05	3.87E-02	4.58E-02	2.43E-01	7.64E-02	2.85E-03	3.68E-01
5739	488129.5	3857907.43	0.20346	0.3369	0.427	0.04307	3.33E-02	2.61E-01	8.28E-02	3.17E-03	3.81E-01	3.28E-02	1.13E-05	9.08E-04	9.27E-05	3.38E-02	3.98E-02	2.61E-01	8.28E-02	3.17E-03	3.87E-01
5740	488196.47	3857968.73	0.1881	0.35021	3.6944	0.04624	3.08E-02	2.72E-01	7.16E-01	3.40E-03	1.02E+00	3.03E-02	1.18E-05	7.86E-03	9.95E-05	3.83E-02	3.68E-02	2.72E-01	7.16E-01	3.40E-03	1.03E+00
5741	488263.44	3858030.04	0.17482	0.36298	3.4033	0.04981	2.86E-02	2.82E-01	6.60E-01	3.67E-03	9.74E-01	2.82E-02	1.22E-05	7.24E-03	1.07E-04	3.55E-02	3.42E-02	2.82E-01	6.60E-01	3.67E-03	9.79E-01
5742	488400.64	3858132.9	0.15419	0.381	0.9202	0.05539	2.52E-02	2.96E-01	1.78E-01	4.08E-03	5.03E-01	2.48E-02	1.28E-05	1.96E-03	1.19E-04	2.69E-02	3.02E-02	2.96E-01	1.78E-01	4.08E-03	5.08E-01
5743	488519.89	3858218.38	0.14066	0.40435	0.4349	0.05838	2.30E-02	3.14E-01	8.43E-02	4.30E-03	4.25E-01	2.27E-02	1.36E-05	9.25E-04	1.26E-04	2.37E-02	2.75E-02	3.14E-01	8.43E-02	4.30E-03	4.30E-01
5744	488647.97	3858214.99	0.14629	0.38796	0.4351	0.05473	2.39E-02	3.01E-01	8.44E-02	4.03E-03	4.13E-01	2.36E-02	1.30E-05	9.25E-04	1.18E-04	2.46E-02	2.86E-02	3.01E-01	8.44E-02	4.03E-03	4.18E-01
5745	488727.05	3858167.67	0.15773	0.36445	0.5351	0.05082	2.58E-02	2.83E-01	1.04E-01	3.74E-03	4.16E-01	2.54E-02	1.22E-05	1.14E-03	1.09E-04	2.67E-02	3.09E-02	2.83E-01	1.04E-01	3.74E-03	4.21E-01
5746	488806.12	3858120.35	0.17084	0.34322	0.6233	0.04748	2.79E-02	2.66E-01	1.21E-01	3.50E-03	4.19E-01	2.75E-02	1.15E-05	1.33E-03	1.02E-04	2.90E-02	3.34E-02	2.66E-01	1.21E-01	3.50E-03	4.24E-01
5747	488885.2	3858073.03	0.1845	0.32437	0.6867	0.04464	3.02E-02	2.52E-01	1.33E-01	3.29E-03	4.18E-01	2.97E-02	1.09E-05	1.46E-03	9.61E-05	3.13E-02	3.61E-02	2.52E-01	1.33E-01	3.29E-03	4.24E-01
5748	489055.76	3857991.17	0.20785	0.29318	0.6721	0.04026	3.40E-02	2.27E-01	1.30E-01	2.96E-03	3.95E-01	3.35E-02	9.85E-06	1.43E-03	8.67E-05	3.50E-02	4.07E-02	2.27E-01	1.30E-01	2.96E-03	4.01E-01
5749	489245.39	3857944.54	0.21977	0.26948	0.5528	0.03742	3.59E-02	2.09E-01	1.07E-01	2.76E-03	3.55E-01	3.54E-02	9.05E-06	1.18E-03	8.06E-05	3.67E-02	4.30E-02	2.09E-01	1.07E-01	2.76E-03	3.62E-01
5750	489430.63	3857930.91	0.22016	0.25563	0.4508	0.03582	3.60E-02	1.98E-01	8.74E-02	2.64E-03	3.24E-01	3.55E-02	8.59E-06	9.59E-04	7.71E-05	3.65E-02	4.31E-02	1.98E-01	8.74E-02	2.64E-03	3.31E-01
5751	489517.74	3857929.36	0.21871	0.25035	0.4122	0.03531	3.58E-02	1.94E-01	7.99E-02	2.60E-03	3.13E-01	3.52E-02	8.41E-06	8.76E-04	7.60E-05	3.62E-02	4.28E-02	1.94E-01	7.99E-02	2.60E-03	3.20E-01
5752	489604.85	3857927.82	0.21715	0.24483	0.3794	0.03486	3.55E-02	1.90E-01	7.36E-02	2.57E-03	3.02E-01	3.50E-02	8.22E-06	8.07E-04	7.50E-05	3.59E-02	4.25E-02	1.90E-01	7.36E-02	2.57E-03	3.09E-01
5753	489691.97	3857926.28	0.21511	0.24031	0.3515	0.03448	3.52E-02	1.86E-01	6.82E-02	2.54E-03	2.92E-01	3.47E-02	8.07E-06	7.47E-04	7.42E-05	3.55E-02	4.21E-02	1.86E-01	6.82E-02	2.54E-03	2.99E-01
5754	489779.08	3857924.73	0.21296	0.23558	0.3274	0.03416	3.48E-02	1.83E-01	6.35E-02	2.52E-03	2.84E-01	3.43E-02	7.91E-06	6.96E-04	7.35E-05	3.51E-02	4.17E-02	1.83E-01	6.35E-02	2.52E-03	2.90E-01
5755	490017.54	3857875.08	0.21406	0.21677	0.2856	0.03285	3.50E-02	1.68E-01	5.54E-02	2.42E-03	2.61E-01	3.45E-02	7.28E-06	6.07E-04	7.07E-05	3.52E-02	4.19E-02	1.68E-01	5.54E-02	2.42E-03	2.68E-01
5756	490033.82	3857960.81	0.19945	0.22866	0.262	0.03431	3.26E-02	1.77E-01	5.08E-02	2.53E-03	2.63E-01	3.21E-02	7.68E-06	5.57E-04	7.39E-05	3.28E-02	3.90E-02	1.77E-01	5.08E-02	2.53E-03	2.70E-01
5757	489959.15	3857987.49	0.19698	0.23751	0.2673	0.03493	3.22E-02	1.84E-01	5.18E-02	2.57E-03	2.71E-01	3.17E-02	7.98E-06	5.68E-04	7.52E-05	3.24E-02	3.85E-02	1.84E-01	5.18E-02	2.57E-03	2.77E-01
5758	489791.49	3858016.12	0.19718	0.24782	0.2894	0.03589	3.23E-02	1.92E-01	5.61E-02	2.64E-03	2.83E-01	3.18E-02	8.32E-06	6.15E-04	7.73E-05	3.25E-02	3.86E-02	1.92E-01	5.61E-02	2.64E-03	2.90E-01
5759	489698.51	3858018.07	0.19868	0.25347	0.3102	0.03624	3.25E-02	1.97E-01	6.02E-02	2.67E-03	2.92E-01	3.20E-02	8.51E-06	6.60E-04	7.80E-05	3.28E-02	3.89E-02	1.97E-01	6.02E-02	2.67E-03	2.98E-01
5760	489605.52	3858020.02	0.1999	0.25934	0.3344	0.03668	3.27E-02	2.01E-01	6.48E-02	2.70E-03	3.01E-01	3.22E-02	8.71E-06	7.11E-04	7.90E-05	3.30E-02	3.91E-02	2.01E-01	6.48E-02	2.70E-03	3.08E-01
5761	489512.53	3858021.96	0.20078	0.26546	0.3627	0.0372	3.28E-02	2.06E-01	7.03E-02	2.74E-03	3.12E-01	3.24E-02	8.92E-06	7.71E-04	8.01E-05	3.32E-02	3.93E-02	2.06E-01	7.03E-02	2.74E-03	3.18E-01
5762	489419.55	3858023.91	0.20106	0.2724	0.3965	0.03782	3.29E-02	2.11E-01	7.69E-02	2.78E-03	3.24E-01	3.24E-02	9.15E-06	8.43E-04	8.14E-05	3.33E-02	3.93E-02	2.11E-01	7.69E-02	2.78E-03	3.30E-01
5763	489228.47	3858041.29	0.19853	0.28655	0.4705	0.03976	3.25E-02	2.22E-01	9.12E-02	2.93E-03	3.49E-01	3.20E-02	9.63E-06	1.00E-03	8.56E-05	3.31E-02	3.88E-02	2.22E-01	9.12E-02	2.93E-03	3.55E-01
5764	489065.75	3858085.78	0.18619	0.31035	0.5098	0.04277	3.05E-02	2.41E-01	9.89E-02	3.15E-03	3.73E-01	3.00E-02	1.04E-05	1.08E-03	9.21E-05	3.12E-02	3.64E-02	2.41E-01	9.89E-02	3.15E-03	3.79E-01
5765	489001.12	3858114.86	0.17823	0.32232	0.4984	0.04444	2.92E-02	2.50E-01	9.67E-02	3.27E-03	3.79E-01	2.87E-02	1.08E-05	1.06E-03	9.57E-05	2.99E-02	3.49E-02	2.50E-01	9.67E-02	3.27E-03	3.85E-01
5766	488861.89	3858189.81	0.1583	0.35289	0.4207	0.04903	2.59E-02	2.74E-01	8.16E-02	3.61E-03	3.85E-01	2.55E-02	1.19E-05	8.94E-04	1.06E-04	2.65E-02	3.10E-02	2.74E-01	8.16E-02	3.61E-03	3.90E-01
5767	488787.28	3858235.69	0.14667	0.37587	0.3574	0.05235	2.40E-02	2.92E-01	6.93E-02	3.85E-03	3.89E-01	2.36E-02	1.26E-05	7.60E-04	1.13E-04	2.45E-02	2.87E-02	2.92E-01	6.93E-02	3.85E-03	3.93E-01
5768	488712.68	3858281.57	0.13712	0.39793	0.2905	0.05618	2.24E-02	3.09E-01	5.63E-02	4.14E-03	3.92E-01	2.21E-02	1.34E-05	6.18E-04	1.21E-04	2.28E-02	2.68E-02	3.09E-01	5.63E-02	4.14E-03	3.96E-01
5769	488654.39	3858436.17	0.11223	0.4666	0.1045	0.06613	1.84E-02	3.62E-01	2.03E-02	4.87E-03	4.05E-01	1.81E-02	1.57E-05	2.22E-04	1.42E-04	1.85E-02	2.20E-02	3.62E-01	2.03E-02	4.87E-03	4.09E-01
5770	488726.3	3858505.26	0.1072	0.4852	0.0796	0.06633	1.75E-02	3.76E-01	1.54E-02	4.88E-03	4.14E-01	1.73E-02	1.63E-05	1.69E-04	1.43E-04	1.76E-02	2.10E-02	3.76E-01	1.54E-02	4.88E-03	4.18E-01
5771	488880.6	3858599.28	0.09355	0.51717	0.0633	0.06437	1.53E-02	4.01E-01	1.23E-02	4.74E-03	4.33E-01	1.51E-02	1.74E-05	1.34E-04	1.39E-04	1.54E-02	1.83E-02	4.01E-01	1.23E-02	4.74E-03	4.37E-01
5772	489008.06	3858714.75	0.08669	0.59945	0.0471	0.06706	1.42E-02	4.65E-01	9.13E-03	4.94E-03	4.93E-01	1.40E-02	2.01E-05	1.00E-04	1.44E-04	1.42E-02	1.70E-02	4.65E-01	9.13E-03	4.94E-03	4.96E-01
5773	489071.48	3858772.72	0.08346	0.64575	0.0416	0.06937	1.37E-02	5.01E-01	8.07E-03	5.11E-03	5.28E-01	1.34E-02	2.17E-05	8.85E-05	1.49E-04	1.37E-02	1.63E-02	5.01E-01	8.07E-03	5.11E-03	5.30E-01
5774	489244.59	3858920.19	0.07537	0.73597	0.0324	0.0791	1.23E-02	5.71E-01	6.27E-03	5.82E-03	5.95E-01	1.21E-02	2.47E-05	6.88E-05	1.70E-04	1.24E-02	1.47E-02	5.71E-01	6.27E-03	5.82E-03	5.98E-01
5775	489239.69	3858952.23	0.07156	0.77418	0.0299	0.08236	1.17E-02	6.01E-01	5.80E-03	6.06E-03	6.24E-01	1.15E-02	2.60E-05	6.36E-05	1.77E-04	1.18E-02	1.40E-02	6.01E-01	5.80E-03	6.06E-03	6.26E-01
5776	489121.67	3858854.49	0.07946	0.73008	0.0346	0.07523	1.30E-02	5.66E-01	6.70E-03	5.54E-03	5.92E-01	1.28E-02	2.45E-05	7.35E-05	1.62E-04	1.31E-02	1.55E-02	5.66E-01	6.70E-03	5.54E-03	5.94E-01
5777	489059.59	3858797.27	0.08292	0.68307	0.0383	0.0714	1.36E-02	5.30E-01	7.42E-03	5.26E-03	5.56E-01	1.34E-02	2.29E-05	8.14E-05	1.54E-04	1.36E-02	1.62E-02	5.30E-01	7.42E-03	5.26E-03	5.59E-01
5778	488997.52	3858740.04	0.08583	0.63131	0.0429	0.06876	1.40E-02	4.90E-01	8.32E-03	5.06E-03	5.17E-01	1.38E-02	2.12E-05	9.12E-05	1.48E-04	1.41E-02	1.68E-02	4.90E-01	8.32E-03	5.06E-03	5.20E-01
5779	488935.44	3858682.82	0.08882	0.58382	0.0487	0.06681	1.45E-02	4.53E-01	9.44E-03	4.92E-03	4.82E-01	1.43E-02	1.96E-05	1.04E-04	1.44E-04	1.46E-02	1.74E-02	4.53E-01	9.44E-03	4.92E-03	4.85E-01
5780	488869.17	3858848.43	0.09028	0.88274	0.0275	0.08014	1.48E-02	6.85E-01	5.33E-03	5.90E-03	7.11E-01	1.45E-02	2.97E-05	5.84E-05	1.73E-04	1.48E-02	1.77E-02	6.85E-01	5.33E-03	5.90E-03	7.14E-01
5781	488932.48	3858892.69	0.08819	0.93514	0.0263	0.08289	1.44E-02	7.25E-01	5.10E-03	6.10E-03	7.51E-01	1.42E-02	3.14E-05	5.59E-05	1.78E-04	1.45E-02	1.73E-02	7.25E-01	5.10E-03	6.10E-03	7.54E-01
5782	489063.27	3858977.17	0.08446	0.96005	0.0246	0.09009	1.38E-02	7.45E-01	4.78E-03	6.63E-03	7.70E-01	1.36E-02	3.22E-05	5.24E-05	1.94E-04	1.39E-02	1.65E-02	7.45E-01	4.78E-03	6.63E-03	7.73E-01
5783	489248.2	3859117.15	0.07385	0.89492	0.0219	0.1012	1.21E-02	6.94E-01	4.25E-03	7.45E-03	7.18E-01	1.19E-02	3.01E-05	4.66E-05	2.18E-04	1.22E-02	1.45E-02	6.94E-01	4.25E-03	7.45E-03	7.20E-01
5784	489296.25	3859049.22	0.07601	0.81831	0.0256	0.09059	1.24E-02	6.35E-01	4.96E-03	6.67E-03	6.59E-01	1.22E-02	2.75E-05	5.44E-05	1.95E-04	1.25E-02	1.49E-02	6.35E-01	4.96E-03	6.67E-03	6.61E-01
5785	489353.38	3858993.96	0.07665	0.73873	0.0297	0.08288	1.25E-02	5.73E-01	5.75E-03	6.10E-03	5.97E-01	1.24E-02	2.48E-05	6.30E-05	1.78E-04	1.26E-02	1.50E-02	5.73E-01	5.75E-03	6.10E-03	6.00E-01
5786	489537.24	3859120.22	0.07418	0.6958	0.0259	0.08855	1.21E-02	5.40E-01	5.03E-03	6.52E-03	5.63E-01	1.20E-02	2.34E-05	5.52E-05	1.91E-04	1.22E-02	1.45E-02	5.40E-01	5.03E-03	6.52E-03	5.66E-01
5787	489726.98	3859246.04	0.06995	0.63143	0.0231	0.08817	1.14E-02	4.90E-01	4.47E-03	6.49E-03	5.12E-01	1.13E-02	2.12E-05	4.90E-05	1.90E-04	1.15E-02	1.37E-02	4.90E-01	4.47E-03	6.49E-03	5.14E-01
5788	489911.46	3859366.33	0.06598	0.56212	0.021	0.08275	1.08E-02	4.36E-01	4.08E-03	6.09E-03	4.57E-01	1.06E-02	1.89E-05	4.47E-05	1.78E-04	1.09E-02	1.29E-02	4.36E-01	4.08E-03	6.09E-03	4.59E-01
5789	490035.3	3859430.26	0.06353	0.52946	0.02	0.07854	1.04E-02	4.11E-01	3.87E-03	5.78E-03	4.31E-01	1.02E-02	1.78E-05	4.24E-05	1.69E-04	1.05E-02	1.24E-02	4.11E-01	3.87E-03	5.78E-03	4.33E-01
5790	490101.11	3859458.61	0.06256	0.51128	0.0197	0.07587	1.02E-02	3.97E-01	3.81E-03	5.59E-03	4.16E-01	1.01E-02	1.72E-05	4.18E-05	1.63E-04	1.03E-02	1.22E-02	3.97E-01	3.81E-03	5.59E-03	4.18E-01
5791	490312.68	3859560.3	0.0592	0.46204	0.0185	0.06688	9.68E-03	3.58E-01	3.59E-03	4.92E-03	3.77E-01	9.54E-03	1.55E-05	3.93E-05	1.44E-04	9.74E-03	1.16E-02	3.58E-01	3.59E-03	4.92E-03	3.79E-01

5792	490401.63	3859603.12	0.05793	0.4438	0.0181	0.06293	9.48E-03	3.44E-01	3.51E-03	4.63E-03	3.62E-01	9.33E-03	1.49E-05	3.85E-05	1.35E-04	9.52E-03	1.13E-02	3.44E-01	3.51E-03	4.63E-03	3.64E-01
5793	490490.57	3859645.94	0.05674	0.4265	0.0177	0.05901	9.28E-03	3.31E-01	3.44E-03	4.34E-03	3.48E-01	9.14E-03	1.43E-05	3.77E-05	1.27E-04	9.32E-03	1.11E-02	3.31E-01	3.44E-03	4.34E-03	3.50E-01
5794	490579.51	3859688.76	0.05567	0.40941	0.0174	0.05522	9.11E-03	3.18E-01	3.38E-03	4.07E-03	3.34E-01	8.97E-03	1.38E-05	3.70E-05	1.19E-04	9.14E-03	1.09E-02	3.18E-01	3.38E-03	4.07E-03	3.36E-01
5795	490668.45	3859731.58	0.05476	0.39127	0.0172	0.05161	8.96E-03	3.04E-01	3.34E-03	3.80E-03	3.20E-01	8.82E-03	1.31E-05	3.66E-05	1.11E-04	8.98E-03	1.07E-02	3.04E-01	3.34E-03	3.80E-03	3.21E-01
5796	490757.4	3859774.4	0.05358	0.37834	0.0168	0.0484	8.76E-03	2.93E-01	3.25E-03	3.56E-03	3.09E-01	8.63E-03	1.27E-05	3.57E-05	1.04E-04	8.79E-03	1.05E-02	2.93E-01	3.25E-03	3.56E-03	3.11E-01
5797	491003.53	3859861.82	0.0515	0.3417	0.0163	0.04136	8.42E-03	2.65E-01	3.16E-03	3.05E-03	2.80E-01	8.30E-03	1.15E-05	3.46E-05	8.90E-05	8.43E-03	1.01E-02	2.65E-01	3.16E-03	3.05E-03	2.81E-01
5798	491081.41	3859879.05	0.05106	0.33207	0.0162	0.03972	8.35E-03	2.58E-01	3.14E-03	2.92E-03	2.72E-01	8.23E-03	1.12E-05	3.44E-05	8.55E-05	8.36E-03	9.99E-03	2.58E-01	3.14E-03	2.92E-03	2.74E-01
5799	491229.76	3859917.82	0.05009	0.31425	0.0159	0.0368	8.19E-03	2.44E-01	3.08E-03	2.71E-03	2.58E-01	8.07E-03	1.06E-05	3.38E-05	7.92E-05	8.19E-03	9.80E-03	2.44E-01	3.08E-03	2.71E-03	2.59E-01
5800	491300.22	3859939.35	0.04951	0.30612	0.0157	0.03551	8.10E-03	2.37E-01	3.04E-03	2.61E-03	2.51E-01	7.98E-03	1.03E-05	3.33E-05	7.64E-05	8.10E-03	9.69E-03	2.37E-01	3.04E-03	2.61E-03	2.53E-01
5801	491350.48	3860012.03	0.04739	0.29744	0.0147	0.0336	7.75E-03	2.31E-01	2.84E-03	2.47E-03	2.44E-01	7.64E-03	9.99E-06	3.11E-05	7.23E-05	7.75E-03	9.27E-03	2.31E-01	2.84E-03	2.47E-03	2.45E-01
5802	491406.82	3860092.56	0.04543	0.28548	0.0138	0.03132	7.43E-03	2.21E-01	2.67E-03	2.31E-03	2.34E-01	7.32E-03	9.59E-06	2.93E-05	6.74E-05	7.43E-03	8.89E-03	2.21E-01	2.67E-03	2.31E-03	2.35E-01
5803	491483.36	3860121.96	0.04489	0.27534	0.0136	0.02994	7.34E-03	2.14E-01	2.64E-03	2.20E-03	2.26E-01	7.23E-03	9.25E-06	2.90E-05	6.45E-05	7.34E-03	8.78E-03	2.14E-01	2.64E-03	2.20E-03	2.27E-01
5804	491559.91	3860151.35	0.04432	0.26557	0.0135	0.02862	7.25E-03	2.06E-01	2.62E-03	2.11E-03	2.18E-01	7.14E-03	8.92E-06	2.87E-05	6.16E-05	7.24E-03	8.67E-03	2.06E-01	2.62E-03	2.11E-03	2.19E-01
5805	491711.81	3860237.76	0.04369	0.24108	0.0137	0.0252	7.15E-03	1.87E-01	2.65E-03	1.86E-03	1.99E-01	7.04E-03	8.10E-06	2.90E-05	5.42E-05	7.13E-03	8.55E-03	1.87E-01	2.65E-03	1.86E-03	2.00E-01
5806	491755.2	3860319.07	0.04085	0.23236	0.0122	0.02335	6.68E-03	1.80E-01	2.36E-03	1.72E-03	1.91E-01	6.58E-03	7.81E-06	2.59E-05	5.03E-05	6.67E-03	7.99E-03	1.80E-01	2.36E-03	1.72E-03	1.92E-01
5807	491704.71	3860366.54	0.03996	0.23104	0.0117	0.02264	6.54E-03	1.79E-01	2.27E-03	1.67E-03	1.90E-01	6.44E-03	7.76E-06	2.49E-05	4.87E-05	6.52E-03	7.82E-03	1.79E-01	2.27E-03	1.67E-03	1.91E-01
5808	491623.42	3860462.39	0.03835	0.22548	0.0108	0.02099	6.27E-03	1.75E-01	2.10E-03	1.55E-03	1.85E-01	6.18E-03	7.57E-06	2.30E-05	4.52E-05	6.26E-03	7.50E-03	1.75E-01	2.10E-03	1.55E-03	1.86E-01
5809	491534.02	3860439.85	0.04001	0.23469	0.0115	0.02211	6.54E-03	1.82E-01	2.22E-03	1.63E-03	1.92E-01	6.45E-03	7.88E-06	2.44E-05	4.76E-05	6.53E-03	7.83E-03	1.82E-01	2.22E-03	1.63E-03	1.94E-01
5810	491313.95	3860268.17	0.0415	0.27487	0.0117	0.02703	6.79E-03	2.13E-01	2.28E-03	1.99E-03	2.24E-01	6.69E-03	9.23E-06	2.50E-05	5.82E-05	6.78E-03	8.12E-03	2.13E-01	2.28E-03	1.99E-03	2.26E-01
5811	491187.12	3860143.56	0.044	0.30439	0.0127	0.03205	7.20E-03	2.36E-01	2.46E-03	2.36E-03	2.48E-01	7.09E-03	1.02E-05	2.70E-05	6.90E-05	7.20E-03	8.61E-03	2.36E-01	2.46E-03	2.36E-03	2.50E-01
5812	491070.43	3860075.97	0.04555	0.3254	0.0132	0.03557	7.45E-03	2.52E-01	2.57E-03	2.62E-03	2.65E-01	7.34E-03	1.09E-05	2.82E-05	7.66E-05	7.46E-03	8.91E-03	2.52E-01	2.57E-03	2.62E-03	2.67E-01
5813	490995.09	3860039.38	0.04638	0.33827	0.0135	0.03758	7.59E-03	2.62E-01	2.62E-03	2.77E-03	2.75E-01	7.47E-03	1.14E-05	2.87E-05	8.09E-05	7.59E-03	9.08E-03	2.62E-01	2.62E-03	2.77E-03	2.77E-01
5814	490919.75	3860002.8	0.04724	0.35126	0.0138	0.03967	7.73E-03	2.72E-01	2.67E-03	2.92E-03	2.86E-01	7.61E-03	1.18E-05	2.93E-05	8.54E-05	7.74E-03	9.24E-03	2.72E-01	2.67E-03	2.92E-03	2.87E-01
5815	490756.81	3859894.53	0.04965	0.37912	0.0149	0.04534	8.12E-03	2.94E-01	2.88E-03	3.34E-03	3.08E-01	8.00E-03	1.27E-05	3.16E-05	9.76E-05	8.14E-03	9.72E-03	2.94E-01	2.88E-03	3.34E-03	3.10E-01
5816	490668.07	3859860.92	0.05044	0.39519	0.015	0.04839	8.25E-03	3.07E-01	2.90E-03	3.56E-03	3.21E-01	8.13E-03	1.33E-05	3.19E-05	1.04E-04	8.28E-03	9.87E-03	3.07E-01	2.90E-03	3.56E-03	3.23E-01
5817	490579.34	3859827.3	0.05133	0.41058	0.0152	0.05161	8.40E-03	3.18E-01	2.95E-03	3.80E-03	3.34E-01	8.27E-03	1.38E-05	3.23E-05	1.11E-04	8.43E-03	1.00E-02	3.19E-01	2.95E-03	3.80E-03	3.35E-01
5818	490490.6	3859793.68	0.05216	0.42753	0.0153	0.05528	8.53E-03	3.32E-01	2.97E-03	4.07E-03	3.47E-01	8.40E-03	1.44E-05	3.26E-05	1.19E-04	8.57E-03	1.02E-02	3.32E-01	2.97E-03	4.07E-03	3.49E-01
5819	490401.86	3859760.07	0.05307	0.44528	0.0155	0.0593	8.68E-03	3.45E-01	3.00E-03	4.37E-03	3.61E-01	8.55E-03	1.50E-05	3.29E-05	1.28E-04	8.73E-03	1.04E-02	3.45E-01	3.00E-03	4.37E-03	3.63E-01
5820	490313.12	3859726.45	0.05412	0.46282	0.0157	0.0636	8.85E-03	3.59E-01	3.04E-03	4.68E-03	3.76E-01	8.72E-03	1.55E-05	3.34E-05	1.37E-04	8.91E-03	1.06E-02	3.59E-01	3.04E-03	4.68E-03	3.77E-01
5821	490224.39	3859692.83	0.05522	0.48115	0.0159	0.06825	9.03E-03	3.73E-01	3.09E-03	5.02E-03	3.90E-01	8.90E-03	1.62E-05	3.39E-05	1.47E-04	9.09E-03	1.08E-02	3.73E-01	3.09E-03	5.02E-03	3.92E-01
5822	490135.65	3859659.22	0.05637	0.4988	0.0162	0.07321	9.22E-03	3.87E-01	3.14E-03	5.39E-03	4.05E-01	9.08E-03	1.68E-05	3.44E-05	1.58E-04	9.29E-03	1.10E-02	3.87E-01	3.14E-03	5.39E-03	4.07E-01
5823	489918.18	3859559.23	0.05976	0.55397	0.017	0.08693	9.77E-03	4.30E-01	3.29E-03	6.40E-03	4.49E-01	9.63E-03	1.86E-05	3.61E-05	1.87E-04	9.87E-03	1.17E-02	4.30E-01	3.29E-03	6.40E-03	4.51E-01
5824	489743.61	3859486	0.06267	0.61636	0.0173	0.09788	1.03E-02	4.78E-01	3.35E-03	7.21E-03	4.99E-01	1.01E-02	2.07E-05	3.68E-05	2.11E-04	1.04E-02	1.23E-02	4.78E-01	3.35E-03	7.21E-03	5.01E-01
5825	489660.32	3859440.27	0.06413	0.65604	0.0176	0.10225	1.05E-02	5.09E-01	3.40E-03	7.53E-03	5.30E-01	1.03E-02	2.20E-05	3.73E-05	2.20E-04	1.06E-02	1.25E-02	5.09E-01	3.40E-03	7.53E-03	5.32E-01
5826	489577.04	3859394.53	0.06561	0.70115	0.0178	0.10633	1.07E-02	5.44E-01	3.45E-03	7.83E-03	5.66E-01	1.06E-02	2.36E-05	3.79E-05	2.29E-04	1.09E-02	1.28E-02	5.44E-01	3.45E-03	7.83E-03	5.68E-01
5827	489493.75	3859348.8	0.06701	0.75401	0.018	0.11015	1.10E-02	5.85E-01	3.50E-03	8.11E-03	6.07E-01	1.08E-02	2.53E-05	3.83E-05	2.37E-04	1.11E-02	1.31E-02	5.85E-01	3.50E-03	8.11E-03	6.10E-01
5828	489321.28	3859240.02	0.06938	0.87758	0.0189	0.11377	1.13E-02	6.81E-01	3.66E-03	8.38E-03	7.04E-01	1.12E-02	2.95E-05	4.01E-05	2.45E-04	1.15E-02	1.36E-02	6.81E-01	3.66E-03	8.38E-03	7.06E-01
5829	489235.41	3859193.96	0.06917	0.93882	0.0192	0.11321	1.13E-02	7.28E-01	3.71E-03	8.33E-03	7.52E-01	1.11E-02	3.15E-05	4.07E-05	2.44E-04	1.15E-02	1.35E-02	7.28E-01	3.71E-03	8.33E-03	7.54E-01
5830	489149.54	3859147.89	0.07504	1.02496	0.0193	0.11151	1.23E-02	7.95E-01	3.74E-03	8.21E-03	8.19E-01	1.21E-02	3.44E-05	4.11E-05	2.40E-04	1.24E-02	1.47E-02	7.95E-01	3.74E-03	8.21E-03	8.22E-01
5831	489063.68	3859101.82	0.07704	1.10716	0.0196	0.10867	1.26E-02	8.59E-01	3.81E-03	8.00E-03	8.83E-01	1.24E-02	3.72E-05	4.17E-05	2.34E-04	1.27E-02	1.51E-02	8.59E-01	3.81E-03	8.00E-03	8.86E-01
5832	488977.81	3859055.75	0.07913	1.19885	0.02	0.10428	1.29E-02	9.30E-01	3.88E-03	7.68E-03	9.54E-01	1.28E-02	4.03E-05	4.26E-05	2.24E-04	1.31E-02	1.55E-02	9.30E-01	3.88E-03	7.68E-03	9.57E-01
5833	488891.94	3859009.69	0.08093	1.3428	0.0204	0.09888	1.32E-02	1.04E+00	3.95E-03	7.28E-03	1.07E+00	1.30E-02	4.51E-05	4.33E-05	2.13E-04	1.33E-02	1.58E-02	1.04E+00	3.95E-03	7.28E-03	1.07E+00
5834	488808	3859060.73	0.07862	1.77198	0.0179	0.10919	1.29E-02	1.37E+00	3.47E-03	8.04E-03	1.40E+00	1.27E-02	5.95E-05	3.81E-05	2.35E-04	1.30E-02	1.54E-02	1.37E+00	3.47E-03	8.04E-03	1.40E+00
5835	488809.93	3859157.85	0.07424	1.85828	0.0157	0.13563	1.21E-02	1.44E+00	3.04E-03	9.99E-03	1.47E+00	1.20E-02	6.24E-05	3.33E-05	2.92E-04	1.24E-02	1.45E-02	1.44E+00	3.04E-03	9.99E-03	1.47E+00
5836	488811.85	3859254.96	0.07008	1.92877	0.0138	0.16695	1.15E-02	1.50E+00	2.68E-03	1.23E-02	1.52E+00	1.13E-02	6.48E-05	2.94E-05	3.59E-04	1.17E-02	1.37E-02	1.50E+00	2.68E-03	1.23E-02	1.52E+00
5837	488813.78	3859352.07	0.0663	1.9752	0.0123	0.18185	1.08E-02	1.53E+00	2.38E-03	1.34E-02	1.56E+00	1.07E-02	6.63E-05	2.61E-05	3.91E-04	1.12E-02	1.30E-02	1.53E+00	2.38E-03	1.34E-02	1.56E+00
5838	488815.71	3859449.19	0.06296	1.96996	0.0111	0.20046	1.03E-02	1.53E+00	2.14E-03	1.48E-02	1.56E+00	1.01E-02	6.62E-05	2.35E-05	4.32E-04	1.07E-02	1.23E-02	1.53E+00	2.14E-03	1.48E-02	1.56E+00
5839	488910.04	3859547.1	0.06036	1.29036	0.0107	0.24115	9.87E-03	1.00E+00	2.08E-03	1.78E-02	1.03E+00	9.73E-03	4.33E-05	2.28E-05	5.19E-04	1.03E-02	1.18E-02	1.00E+00	2.08E-03	1.78E-02	1.03E+00
5840	489002.45	3859547.91	0.0608	1.11397	0.0116	0.21835	9.94E-03	8.64E-01	2.24E-03	1.61E-02	8.92E-01	9.80E-03	3.74E-05	2.46E-05	4.70E-04	1.03E-02	1.19E-02	8.64E-01	2.24E-03	1.61E-02	8.94E-01
5841	489094.85	3859548.71	0.06131	0.9866	0.0124	0.19556	1.00E-02	7.65E-01	2.40E-03	1.44E-02	7.92E-01	9.88E-03	3.31E-05	2.63E-05	4.21E-04	1.04E-02	1.20E-02	7.65E-01	2.40E-03	1.44E-02	7.94E-01
5842	489230.05	3859601.87	0.05989	0.82978	0.0127	0.17276	9.80E-03	6.44E-01	2.46E-03	1.27E-02	6.69E-01	9.65E-03	2.79E-05	2.70E-05	3.72E-04	1.01E-02	1.17E-02	6.44E-01	2.46E-03	1.27E-02	6.71E-01
5843	489227.52	3859680.89	0.0575	0.79069	0.012	0.17607	9.40E-03	6.13E-01	2.32E-03	1.30E-02	6.38E-01	9.27E-03	2.66E-05	2.54E-05	3.79E-04	9.70E-03	1.13E-02	6.13E-01	2.32E-03	1.30E-02	6.40E-01
5844	489133.47	3859760.29	0.05509	0.80674	0.0105	0.19472	9.01E-03	6.26E-01	2.03E-03	1.43E-02	6.51E-01	8.88E-03	2.71E-05	2.23E-05	4.19E-04	9.35E-03	1.08E-02	6.26E-01	2.03E-03	1.43E-02	6.53E-01
5845	489041.96	3859760.67	0.05476	0.8505	0.0097	0.22529	8.96E-03	6.60E-01	1.88E-03	1.66E-02	6.87E-01	8.82E-03	2.86E-05	2.06E-05	4.85E-04	9.36E-03	1.07E-02	6.60E-01	1.88E-03	1.66E-02	6.89E-01
5846	488950.45	3859761.05	0.0545	0.90131	0.009	0.26495	8.91E-03	6.99E-01	1.75E-03	1.95E-02	7.29E-01	8.78E-03	3.03E-05	1.92E-05	5.70E-04	9.40E-03	1.07E-02	6.99E-01	1.75E-03	1.95E-02	7.31E-01
5847	488858.94	3859761.43	0.0544	0.96127	0.0085	0.31784	8.90E-03	7.46E-01	1.64E-03	2.34E-02	7.80E-01	8.77E-03	3.23E-05	1.80E-05	6.84E-04	9.50E-03	1.06E-02	7.46E-01	1.64E-03	2.34E-02	7.81E-01
5848	488767.43	3859761.82	0.05424	1.04231	0.008	0.39336	8.87E-03	8.09E-01	1.55E-03	2.90E-02	8.48E-01	8.74E-03	3.50E-05	1.70E-05	8.47E-04	9.64E-03	1.06E-02	8.09E-01	1.55E-03	2.90E-02	8.50E-01
5849	488675.92	3859762.2	0.05419	1.15166	0.0077	0.50628	8.86E-03	8.93E-01	1.50E-03	3.73E-02	9.41E-01	8.73E-03	3.87E-05	1.64E-05	1.09E-03	9.88E-03	1.06E-02	8.93E-01	1.50E-03	3.73E-02	9.43E-01
5850	488584.41	3859762.58	0.05395	1.31165	0.0077	0.67414	8.82E-03	1.02E+00	1.49E-03	4.96E-02	1.08E+00	8.69E-03	4.41E-05	1.63E-05	1.45E-03	1.02E-02	1.06E-02	1.02E+00	1.49E-03	4.96E-02	1.08E+00
5851	488492.9	3859762.96	0.05364	1.57007	0.0078	0.8419	8.77E-03	1.22E+00	1.52E-03	6.20E-02	1.29E+00	8.64E-03	5.27E-05	1.66E-05	1.81E-03	1.05E-02	1.05E-02	1.22E+00	1.52E-03	6.20E-02	1.29E+00
5852	488402.76	3859830.95	0.05134	2.11005	0.008	0.29506	8.40E-03	1.64E+00	1.54E-03	2.17E-02	1.67E+00	8.27E-03	7.09E-05	1.69E-05	6.35E-04	9.00E-03	1.00E-02	1.64E+00	1.54E-03	2.17E-02	1.67E+00

5853	488404.14	3859898.55	0.04952	2.11605	0.0078	0.15544	8.10E-03	1.64E+00	1.50E-03	1.14E-02	1.66E+00	7.98E-03	7.11E-05	1.65E-05	3.35E-04	8.40E-03	9.69E-03	1.64E+00	1.50E-03	1.14E-02	1.66E+00
5854	488505.18	3859964.96	0.04856	1.77751	0.0072	0.19576	7.94E-03	1.38E+00	1.39E-03	1.44E-02	1.40E+00	7.82E-03	5.97E-05	1.53E-05	4.21E-04	8.32E-03	9.50E-03	1.38E+00	1.39E-03	1.44E-02	1.40E+00
5855	488604.84	3859963.76	0.04906	1.59186	0.007	0.22805	8.02E-03	1.23E+00	1.35E-03	1.68E-02	1.26E+00	7.91E-03	5.35E-05	1.48E-05	4.91E-04	8.46E-03	9.60E-03	1.23E+00	1.35E-03	1.68E-02	1.26E+00
5856	488704.51	3859962.56	0.04943	1.44205	0.0069	0.23789	8.08E-03	1.12E+00	1.34E-03	1.75E-02	1.15E+00	7.96E-03	4.84E-05	1.47E-05	5.12E-04	8.54E-03	9.67E-03	1.12E+00	1.34E-03	1.75E-02	1.15E+00
5857	488804.18	3859961.37	0.04968	1.2783	0.0071	0.23136	8.13E-03	9.92E-01	1.37E-03	1.70E-02	1.02E+00	8.01E-03	4.29E-05	1.51E-05	4.98E-04	8.56E-03	9.72E-03	9.92E-01	1.37E-03	1.70E-02	1.02E+00
5858	488903.85	3859960.17	0.04989	1.11255	0.0075	0.21235	8.16E-03	8.63E-01	1.44E-03	1.56E-02	8.88E-01	8.04E-03	3.74E-05	1.58E-05	4.57E-04	8.55E-03	9.76E-03	8.63E-01	1.44E-03	1.56E-02	8.90E-01
5859	489003.52	3859958.97	0.05001	0.98941	0.008	0.19046	8.18E-03	7.67E-01	1.54E-03	1.40E-02	7.91E-01	8.06E-03	3.32E-05	1.69E-05	4.10E-04	8.52E-03	9.79E-03	7.68E-01	1.54E-03	1.40E-02	7.93E-01
5860	489103.18	3859957.77	0.05013	0.89785	0.0086	0.16938	8.20E-03	6.96E-01	1.66E-03	1.25E-02	7.19E-01	8.08E-03	3.02E-05	1.82E-05	3.65E-04	8.49E-03	9.81E-03	6.97E-01	1.66E-03	1.25E-02	7.20E-01
5861	489201.48	3860046.59	0.04839	0.88001	0.0087	0.1334	7.91E-03	6.83E-01	1.68E-03	9.82E-03	7.02E-01	7.80E-03	2.96E-05	1.84E-05	2.87E-04	8.13E-03	9.47E-03	6.83E-01	1.68E-03	9.82E-03	7.04E-01
5862	489200.11	3860136.61	0.04648	0.94669	0.008	0.11617	7.60E-03	7.34E-01	1.55E-03	8.55E-03	7.52E-01	7.49E-03	3.18E-05	1.70E-05	2.50E-04	7.79E-03	9.10E-03	7.34E-01	1.55E-03	8.55E-03	7.54E-01
5863	489198.74	3860226.63	0.04468	1.13264	0.0075	0.10253	7.31E-03	8.79E-01	1.44E-03	7.55E-03	8.95E-01	7.20E-03	3.80E-05	1.58E-05	2.21E-04	7.47E-03	8.74E-03	8.79E-01	1.44E-03	7.55E-03	8.96E-01
5864	489197.38	3860316.65	0.04292	1.66766	0.007	0.08901	7.02E-03	1.29E+00	1.35E-03	6.55E-03	1.31E+00	6.92E-03	5.60E-05	1.48E-05	1.92E-04	7.18E-03	8.40E-03	1.29E+00	1.35E-03	6.55E-03	1.31E+00
5865	489196.01	3860406.68	0.04125	1.7438	0.0065	0.07233	6.75E-03	1.35E+00	1.26E-03	5.33E-03	1.37E+00	6.65E-03	5.86E-05	1.39E-05	1.56E-04	6.87E-03	8.07E-03	1.35E+00	1.26E-03	5.33E-03	1.37E+00
5866	489194.64	3860496.7	0.03955	1.5944	0.0061	0.05646	6.47E-03	1.24E+00	1.19E-03	4.16E-03	1.25E+00	6.37E-03	5.36E-05	1.30E-05	1.22E-04	6.56E-03	7.74E-03	1.24E+00	1.19E-03	4.16E-03	1.25E+00
5867	489193.27	3860586.72	0.03807	1.03911	0.0058	0.04334	6.23E-03	8.06E-01	1.12E-03	3.19E-03	8.17E-01	6.13E-03	3.49E-05	1.23E-05	9.33E-05	6.27E-03	7.45E-03	8.06E-01	1.12E-03	3.19E-03	8.18E-01
5868	489092.02	3860678.13	0.03645	0.60364	0.0053	0.03468	5.96E-03	4.68E-01	1.02E-03	2.55E-03	4.78E-01	5.87E-03	2.03E-05	1.12E-05	7.47E-05	5.98E-03	7.13E-03	4.68E-01	1.02E-03	2.55E-03	4.79E-01
5869	488992.13	3860679.52	0.03619	0.61384	0.0052	0.03575	5.92E-03	4.76E-01	1.00E-03	2.63E-03	4.86E-01	5.83E-03	2.06E-05	1.10E-05	7.70E-05	5.94E-03	7.08E-03	4.76E-01	1.00E-03	2.63E-03	4.87E-01
5870	488892.24	3860680.92	0.03592	0.61735	0.0052	0.03596	5.88E-03	4.79E-01	1.01E-03	2.65E-03	4.88E-01	5.79E-03	2.07E-05	1.10E-05	7.74E-05	5.90E-03	7.03E-03	4.79E-01	1.01E-03	2.65E-03	4.90E-01
5871	488792.36	3860682.31	0.03558	0.61115	0.0053	0.03489	5.82E-03	4.74E-01	1.03E-03	2.57E-03	4.83E-01	5.73E-03	2.05E-05	1.12E-05	7.51E-05	5.84E-03	6.96E-03	4.74E-01	1.03E-03	2.57E-03	4.85E-01
5872	488692.47	3860683.7	0.03529	0.6038	0.0055	0.03302	5.77E-03	4.68E-01	1.06E-03	2.43E-03	4.78E-01	5.69E-03	2.03E-05	1.16E-05	7.11E-05	5.79E-03	6.91E-03	4.68E-01	1.06E-03	2.43E-03	4.79E-01
5873	488592.59	3860685.1	0.03488	0.58287	0.0057	0.0313	5.70E-03	4.52E-01	1.10E-03	2.30E-03	4.61E-01	5.62E-03	1.96E-05	1.21E-05	6.74E-05	5.72E-03	6.83E-03	4.52E-01	1.10E-03	2.30E-03	4.62E-01
5874	488492.71	3860686.49	0.03475	0.57542	0.0061	0.03153	5.68E-03	4.46E-01	1.17E-03	2.32E-03	4.56E-01	5.60E-03	1.93E-05	1.29E-05	6.79E-05	5.70E-03	6.80E-03	4.46E-01	1.17E-03	2.32E-03	4.57E-01
5875	488299.07	3860762.18	0.03392	0.4026	0.0071	0.02523	5.55E-03	3.12E-01	1.37E-03	1.86E-03	3.21E-01	5.47E-03	1.35E-05	1.50E-05	5.43E-05	5.55E-03	6.64E-03	3.12E-01	1.37E-03	1.86E-03	3.22E-01
5876	488205.32	3860764.09	0.03363	0.38194	0.0074	0.02391	5.50E-03	2.96E-01	1.44E-03	1.76E-03	3.05E-01	5.42E-03	1.28E-05	1.58E-05	5.15E-05	5.50E-03	6.58E-03	2.96E-01	1.44E-03	1.76E-03	3.06E-01
5877	488111.56	3860766	0.03332	0.35519	0.0076	0.02234	5.45E-03	2.76E-01	1.47E-03	1.64E-03	2.84E-01	5.37E-03	1.19E-05	1.61E-05	4.81E-05	5.45E-03	6.52E-03	2.76E-01	1.47E-03	1.64E-03	2.85E-01
5878	488017.81	3860767.91	0.03306	0.32703	0.0075	0.02134	5.41E-03	2.54E-01	1.46E-03	1.57E-03	2.62E-01	5.33E-03	1.10E-05	1.60E-05	4.59E-05	5.40E-03	6.47E-03	2.54E-01	1.46E-03	1.57E-03	2.63E-01
5879	487924.06	3860769.81	0.03288	0.30256	0.0073	0.02026	5.38E-03	2.35E-01	1.42E-03	1.49E-03	2.43E-01	5.30E-03	1.02E-05	1.56E-05	4.36E-05	5.37E-03	6.43E-03	2.35E-01	1.42E-03	1.49E-03	2.44E-01
5880	487830.31	3860771.72	0.03276	0.2818	0.0071	0.0193	5.36E-03	2.19E-01	1.37E-03	1.42E-03	2.27E-01	5.28E-03	9.47E-06	1.50E-05	4.15E-05	5.34E-03	6.41E-03	2.19E-01	1.37E-03	1.42E-03	2.28E-01
5881	487736.55	3860773.63	0.03266	0.26477	0.0068	0.01812	5.34E-03	2.05E-01	1.31E-03	1.33E-03	2.13E-01	5.26E-03	8.89E-06	1.44E-05	3.90E-05	5.32E-03	6.39E-03	2.05E-01	1.31E-03	1.33E-03	2.14E-01
5882	487642.8	3860775.54	0.03265	0.25035	0.0065	0.01695	5.34E-03	1.94E-01	1.25E-03	1.25E-03	2.02E-01	5.26E-03	8.41E-06	1.37E-05	3.65E-05	5.32E-03	6.39E-03	1.94E-01	1.25E-03	1.25E-03	2.03E-01
5883	487549.48	3860684.71	0.03378	0.27364	0.0062	0.01769	5.53E-03	2.12E-01	1.21E-03	1.30E-03	2.20E-01	5.44E-03	9.19E-06	1.32E-05	3.81E-05	5.50E-03	6.61E-03	2.12E-01	1.21E-03	1.30E-03	2.21E-01
5884	487549.91	3860591.97	0.03484	0.31914	0.0063	0.01927	5.70E-03	2.48E-01	1.22E-03	1.42E-03	2.56E-01	5.61E-03	1.07E-05	1.34E-05	4.15E-05	5.68E-03	6.82E-03	2.48E-01	1.22E-03	1.42E-03	2.57E-01
5885	487550.34	3860499.23	0.03614	0.37239	0.0064	0.02147	5.91E-03	2.89E-01	1.24E-03	1.58E-03	2.98E-01	5.82E-03	1.25E-05	1.36E-05	4.62E-05	5.90E-03	7.07E-03	2.89E-01	1.24E-03	1.58E-03	2.99E-01
5886	487550.76	3860406.49	0.03759	0.41683	0.0065	0.02493	6.15E-03	3.23E-01	1.26E-03	1.84E-03	3.33E-01	6.06E-03	1.40E-05	1.39E-05	5.37E-05	6.14E-03	7.36E-03	3.23E-01	1.26E-03	1.84E-03	3.34E-01
5887	487551.19	3860313.75	0.03901	0.44763	0.0066	0.02877	6.38E-03	3.47E-01	1.28E-03	2.12E-03	3.57E-01	6.29E-03	1.50E-05	1.41E-05	6.19E-05	6.38E-03	7.63E-03	3.47E-01	1.28E-03	2.12E-03	3.58E-01
5888	487551.62	3860221.01	0.0406	0.47535	0.0067	0.03184	6.64E-03	3.69E-01	1.30E-03	2.34E-03	3.79E-01	6.54E-03	1.60E-05	1.43E-05	6.85E-05	6.64E-03	7.94E-03	3.69E-01	1.30E-03	2.34E-03	3.80E-01
5889	487552.05	3860128.27	0.04253	0.50981	0.0069	0.03462	6.96E-03	3.95E-01	1.33E-03	2.55E-03	4.06E-01	6.85E-03	1.71E-05	1.46E-05	7.45E-05	6.96E-03	8.32E-03	3.95E-01	1.33E-03	2.55E-03	4.08E-01
5890	487552.48	3860035.53	0.04451	0.54079	0.007	0.03788	7.28E-03	4.19E-01	1.37E-03	2.79E-03	4.31E-01	7.17E-03	1.82E-05	1.50E-05	8.15E-05	7.29E-03	8.71E-03	4.20E-01	1.37E-03	2.79E-03	4.32E-01
5891	487552.91	3859942.79	0.04626	0.56158	0.0072	0.04158	7.57E-03	4.36E-01	1.39E-03	3.06E-03	4.48E-01	7.45E-03	1.89E-05	1.53E-05	8.95E-05	7.58E-03	9.05E-03	4.36E-01	1.39E-03	3.06E-03	4.49E-01
5892	487553.33	3859850.05	0.04856	0.60365	0.0074	0.0462	7.94E-03	4.68E-01	1.44E-03	3.40E-03	4.81E-01	7.82E-03	2.03E-05	1.58E-05	9.95E-05	7.96E-03	9.50E-03	4.68E-01	1.44E-03	3.40E-03	4.83E-01
5893	487553.76	3859757.31	0.05076	0.65313	0.0077	0.05124	8.30E-03	5.07E-01	1.49E-03	3.77E-03	5.20E-01	8.18E-03	2.19E-05	1.63E-05	1.10E-04	8.33E-03	9.93E-03	5.07E-01	1.49E-03	3.77E-03	5.22E-01
5894	487554.19	3859664.57	0.05311	0.73927	0.008	0.05608	8.69E-03	5.73E-01	1.55E-03	4.13E-03	5.88E-01	8.56E-03	2.48E-05	1.69E-05	1.21E-04	8.72E-03	1.04E-02	5.73E-01	1.55E-03	4.13E-03	5.90E-01
5895	487460.2	3859571.05	0.0553	0.8489	0.0082	0.0521	9.04E-03	6.58E-01	1.59E-03	3.84E-03	6.73E-01	8.91E-03	2.85E-05	1.74E-05	1.12E-04	9.07E-03	1.08E-02	6.59E-01	1.59E-03	3.84E-03	6.75E-01
5896	487365.78	3859570.27	0.055	0.78518	0.0083	0.04653	9.00E-03	6.09E-01	1.60E-03	3.43E-03	6.23E-01	8.86E-03	2.64E-05	1.76E-05	1.00E-04	9.01E-03	1.08E-02	6.09E-01	1.60E-03	3.43E-03	6.25E-01
5897	487271.36	3859569.48	0.05454	0.7291	0.0085	0.04277	8.92E-03	5.66E-01	1.64E-03	3.15E-03	5.79E-01	8.79E-03	2.45E-05	1.80E-05	9.21E-05	8.92E-03	1.07E-02	5.66E-01	1.64E-03	3.15E-03	5.81E-01
5898	487176.94	3859568.7	0.05405	0.67186	0.0086	0.03926	8.84E-03	5.21E-01	1.67E-03	2.89E-03	5.35E-01	8.71E-03	2.26E-05	1.83E-05	8.45E-05	8.83E-03	1.06E-02	5.21E-01	1.67E-03	2.89E-03	5.36E-01
5899	487082.51	3859567.92	0.05372	0.61636	0.0088	0.0366	8.79E-03	4.78E-01	1.70E-03	2.69E-03	4.91E-01	8.66E-03	2.07E-05	1.86E-05	7.88E-05	8.77E-03	1.05E-02	4.78E-01	1.70E-03	2.69E-03	4.93E-01
5900	486988.09	3859567.14	0.05356	0.56024	0.009	0.03427	8.76E-03	4.35E-01	1.74E-03	2.52E-03	4.48E-01	8.63E-03	1.88E-05	1.91E-05	7.38E-05	8.74E-03	1.05E-02	4.35E-01	1.74E-03	2.52E-03	4.49E-01
5901	486893.67	3859566.36	0.0536	0.50728	0.0094	0.03177	8.77E-03	3.93E-01	1.81E-03	2.34E-03	4.06E-01	8.64E-03	1.70E-05	1.99E-05	6.84E-05	8.74E-03	1.05E-02	3.94E-01	1.81E-03	2.34E-03	4.08E-01
5902	486799.25	3859565.58	0.05375	0.45859	0.0098	0.02893	8.79E-03	3.56E-01	1.91E-03	2.13E-03	3.69E-01	8.66E-03	1.54E-05	2.09E-05	6.23E-05	8.76E-03	1.05E-02	3.56E-01	1.91E-03	2.13E-03	3.70E-01
5903	486704.83	3859564.79	0.05397	0.41553	0.0103	0.02677	8.83E-03	3.22E-01	2.00E-03	1.97E-03	3.35E-01	8.70E-03	1.40E-05	2.19E-05	5.76E-05	8.79E-03	1.06E-02	3.22E-01	2.00E-03	1.97E-03	3.37E-01
5904	486610.41	3859564.01	0.05424	0.37774	0.0107	0.02482	8.87E-03	2.93E-01	2.07E-03	1.83E-03	3.06E-01	8.74E-03	1.27E-05	2.27E-05	5.34E-05	8.83E-03	1.06E-02	2.93E-01	2.07E-03	1.83E-03	3.08E-01
5905	486515.99	3859563.23	0.05439	0.34384	0.011	0.02296	8.90E-03	2.67E-01	2.13E-03	1.69E-03	2.79E-01	8.76E-03	1.16E-05	2.34E-05	4.94E-05	8.85E-03	1.06E-02	2.67E-01	2.13E-03	1.69E-03	2.81E-01
5906	486421.57	3859562.45	0.05471	0.31579	0.0113	0.02138	8.95E-03	2.45E-01	2.20E-03	1.57E-03	2.58E-01	8.82E-03	1.06E-05	2.41E-05	4.60E-05	8.90E-03	1.07E-02	2.45E-01	2.20E-03	1.57E-03	2.59E-01
5907	486327.14	3859561.67	0.05517	0.29251	0.0117	0.01999	9.02E-03	2.27E-01	2.27E-03	1.47E-03	2.40E-01	8.89E-03	9.83E-06	2.49E-05	4.30E-05	8.97E-03	1.08E-02	2.27E-01	2.27E-03	1.47E-03	2.41E-01
5908	486232.72	3859560.89	0.05536	0.27134	0.0121	0.01873	9.05E-03	2.10E-01	2.34E-03	1.38E-03	2.23E-01	8.92E-03	9.11E-06	2.56E-05	4.03E-05	9.00E-03	1.08E-02	2.10E-01	2.34E-03	1.38E-03	2.25E-01
5909	486138.3	3859560.1	0.05548	0.25266	0.0124	0.01761	9.07E-03	1.96E-01	2.41E-03	1.30E-03	2.09E-01	8.94E-03	8.49E-06	2.64E-05	3.79E-05	9.01E-03	1.09E-02	1.96E-01	2.41E-03	1.30E-03	2.11E-01
5910	486043.88	3859559.32	0.05545	0.23554	0.0127	0.01664	9.07E-03	1.83E-01	2.47E-03	1.23E-03	1.95E-01	8.93E-03	7.91E-06	2.71E-05	3.58E-05	9.01E-03	1.09E-02	1.83E-01	2.47E-03	1.23E-03	1.97E-01
5911	485949.35	3859463.54	0.05819	0.23635	0.0137	0.01653	9.52E-03	1.83E-01	2.66E-03	1.22E-03	1.97E-01	9.38E-03	7.94E-06	2.91E-05	3.56E-05	9.45E-03	1.14E-02	1.83E-01	2.66E-03	1.22E-03	1.99E-01
5912	485949.24	3859368.55	0.06128	0.25487	0.0144	0.01736	1.00E-02	1.98E-01	2.79E-03	1.28E-03	2.12E-01	9.87E-03	8.56E-06	3.06E-05	3.74E-05	9.95E-03	1.20E-02	1.98E-01	2.79E-03	1.28E-03	2.14E-01
5913	485949.12	3859273.55	0.06473	0.2759	0.015	0.01827	1.06E-02	2.14E-01	2.91E-03	1.35E-03	2.29E-01	1.04E-02	9.27E-06	3.20E-05	3.93E-05	1.05E-02	1.27E-02	2.14E-01	2.91E-03	1.35E-03	2.31E-01

5914	485949.01	3859178.56	0.06843	0.29893	0.0156	0.01919	1.12E-02	2.32E-01	3.02E-03	1.41E-03	2.48E-01	1.10E-02	1.00E-05	3.31E-05	4.13E-05	1.11E-02	1.34E-02	2.32E-01	3.02E-03	1.41E-03	2.50E-01
5915	485948.9	3859083.56	0.07268	0.32358	0.0161	0.02024	1.19E-02	2.51E-01	3.12E-03	1.49E-03	2.68E-01	1.17E-02	1.09E-05	3.43E-05	4.36E-05	1.18E-02	1.42E-02	2.51E-01	3.12E-03	1.49E-03	2.70E-01
5916	485948.79	3858988.56	0.07708	0.34572	0.0166	0.02134	1.26E-02	2.68E-01	3.21E-03	1.57E-03	2.86E-01	1.24E-02	1.16E-05	3.53E-05	4.59E-05	1.25E-02	1.51E-02	2.68E-01	3.21E-03	1.57E-03	2.88E-01
5917	485948.67	3858893.57	0.08182	0.36291	0.017	0.02226	1.34E-02	2.82E-01	3.30E-03	1.64E-03	3.00E-01	1.32E-02	1.22E-05	3.62E-05	4.79E-05	1.33E-02	1.60E-02	2.82E-01	3.30E-03	1.64E-03	3.02E-01
5918	485948.56	3858798.57	0.08744	0.37344	0.0175	0.02284	1.43E-02	2.90E-01	3.39E-03	1.68E-03	3.09E-01	1.41E-02	1.25E-05	3.72E-05	4.92E-05	1.42E-02	1.71E-02	2.90E-01	3.39E-03	1.68E-03	3.12E-01
5919	485948.45	3858703.58	0.09277	0.37995	0.0177	0.02308	1.52E-02	2.95E-01	3.42E-03	1.70E-03	3.15E-01	1.49E-02	1.28E-05	3.75E-05	4.97E-05	1.50E-02	1.82E-02	2.95E-01	3.42E-03	1.70E-03	3.18E-01
5920	485948.34	3858608.58	0.09928	0.38678	0.0176	0.0234	1.62E-02	3.00E-01	3.41E-03	1.72E-03	3.21E-01	1.60E-02	1.30E-05	3.74E-05	5.04E-05	1.61E-02	1.94E-02	3.00E-01	3.41E-03	1.72E-03	3.25E-01
5921	485948.22	3858513.59	0.10644	0.39484	0.0173	0.02382	1.74E-02	3.06E-01	3.35E-03	1.75E-03	3.29E-01	1.72E-02	1.33E-05	3.67E-05	5.13E-05	1.73E-02	2.08E-02	3.06E-01	3.35E-03	1.75E-03	3.32E-01
5922	485948.11	3858418.59	0.1142	0.40597	0.017	0.02396	1.87E-02	3.15E-01	3.29E-03	1.76E-03	3.39E-01	1.84E-02	1.36E-05	3.61E-05	5.16E-05	1.85E-02	2.23E-02	3.15E-01	3.29E-03	1.76E-03	3.42E-01
5923	485948	3858323.59	0.12345	0.41967	0.0171	0.02391	2.02E-02	3.26E-01	3.32E-03	1.76E-03	3.51E-01	1.99E-02	1.41E-05	3.64E-05	5.15E-05	2.00E-02	2.42E-02	3.26E-01	3.32E-03	1.76E-03	3.55E-01
5924	485947.89	3858228.6	0.13312	0.43446	0.0176	0.024	2.18E-02	3.37E-01	3.42E-03	1.77E-03	3.64E-01	2.14E-02	1.46E-05	3.75E-05	5.17E-05	2.16E-02	2.60E-02	3.37E-01	3.42E-03	1.77E-03	3.68E-01
5925	485947.77	3858133.6	0.14382	0.44893	0.0182	0.02377	2.35E-02	3.48E-01	3.53E-03	1.75E-03	3.77E-01	2.32E-02	1.51E-05	3.87E-05	5.12E-05	2.33E-02	2.81E-02	3.48E-01	3.53E-03	1.75E-03	3.82E-01
5926	485947.66	3858038.61	0.15779	0.46648	0.0186	0.02291	2.58E-02	3.62E-01	3.61E-03	1.69E-03	3.93E-01	2.54E-02	1.57E-05	3.96E-05	4.93E-05	2.55E-02	3.09E-02	3.62E-01	3.61E-03	1.69E-03	3.98E-01
5927	485854.54	3857943.35	0.16792	0.45328	0.0179	0.0205	2.75E-02	3.52E-01	3.47E-03	1.51E-03	3.84E-01	2.71E-02	1.52E-05	3.80E-05	4.41E-05	2.72E-02	3.29E-02	3.52E-01	3.47E-03	1.51E-03	3.89E-01
5928	485761.52	3857943.09	0.1643	0.41187	0.0172	0.01958	2.69E-02	3.19E-01	3.33E-03	1.44E-03	3.51E-01	2.65E-02	1.38E-05	3.65E-05	4.22E-05	2.66E-02	3.22E-02	3.20E-01	3.33E-03	1.44E-03	3.56E-01
5929	485668.51	3857942.83	0.16129	0.37974	0.0165	0.01878	2.64E-02	2.95E-01	3.21E-03	1.38E-03	3.26E-01	2.60E-02	1.28E-05	3.52E-05	4.04E-05	2.61E-02	3.16E-02	2.95E-01	3.21E-03	1.38E-03	3.31E-01
5930	485575.5	3857942.56	0.15754	0.35457	0.0159	0.01802	2.58E-02	2.75E-01	3.09E-03	1.33E-03	3.05E-01	2.54E-02	1.19E-05	3.39E-05	3.88E-05	2.55E-02	3.08E-02	2.75E-01	3.09E-03	1.33E-03	3.10E-01
5931	485482.48	3857942.3	0.15466	0.33313	0.0154	0.0173	2.53E-02	2.58E-01	2.99E-03	1.27E-03	2.88E-01	2.49E-02	1.12E-05	3.28E-05	3.72E-05	2.50E-02	3.03E-02	2.58E-01	2.99E-03	1.27E-03	2.93E-01
5932	485389.47	3857942.04	0.15178	0.31478	0.0149	0.01663	2.48E-02	2.44E-01	2.89E-03	1.22E-03	2.73E-01	2.45E-02	1.06E-05	3.17E-05	3.58E-05	2.45E-02	2.97E-02	2.44E-01	2.89E-03	1.22E-03	2.78E-01
5933	485296.46	3857941.78	0.14898	0.29875	0.0145	0.01604	2.44E-02	2.32E-01	2.80E-03	1.18E-03	2.60E-01	2.40E-02	1.00E-05	3.07E-05	3.45E-05	2.41E-02	2.92E-02	2.32E-01	2.80E-03	1.18E-03	2.65E-01
5934	485203.45	3857941.52	0.14682	0.28426	0.014	0.01552	2.40E-02	2.21E-01	2.72E-03	1.14E-03	2.48E-01	2.37E-02	9.55E-06	2.99E-05	3.34E-05	2.37E-02	2.87E-02	2.21E-01	2.72E-03	1.14E-03	2.53E-01
5935	485110.43	3857941.26	0.14392	0.27184	0.0136	0.01506	2.35E-02	2.11E-01	2.64E-03	1.11E-03	2.38E-01	2.32E-02	9.13E-06	2.90E-05	3.24E-05	2.33E-02	2.82E-02	2.11E-01	2.64E-03	1.11E-03	2.43E-01
5936	485017.42	3857940.99	0.14076	0.26069	0.0132	0.01466	2.30E-02	2.02E-01	2.57E-03	1.08E-03	2.29E-01	2.27E-02	8.76E-06	2.81E-05	3.16E-05	2.27E-02	2.75E-02	2.02E-01	2.57E-03	1.08E-03	2.33E-01
5937	484924.41	3857940.73	0.13768	0.25015	0.0129	0.01436	2.25E-02	1.94E-01	2.49E-03	1.06E-03	2.20E-01	2.22E-02	8.40E-06	2.73E-05	3.09E-05	2.23E-02	2.69E-02	1.94E-01	2.49E-03	1.06E-03	2.25E-01
5938	484831.39	3857940.47	0.13494	0.23987	0.0125	0.01426	2.21E-02	1.86E-01	2.43E-03	1.05E-03	2.12E-01	2.17E-02	8.06E-06	2.66E-05	3.07E-05	2.18E-02	2.64E-02	1.86E-01	2.43E-03	1.05E-03	2.16E-01
5939	484738.12	3857859.3	0.13905	0.25056	0.0121	0.01459	2.27E-02	1.94E-01	2.34E-03	1.07E-03	2.21E-01	2.24E-02	8.42E-06	2.57E-05	3.14E-05	2.25E-02	2.72E-02	1.94E-01	2.34E-03	1.07E-03	2.25E-01
5940	484737.85	3857778.4	0.14679	0.27644	0.012	0.01514	2.40E-02	2.14E-01	2.33E-03	1.11E-03	2.42E-01	2.37E-02	9.29E-06	2.56E-05	3.26E-05	2.37E-02	2.87E-02	2.14E-01	2.33E-03	1.11E-03	2.47E-01
5941	484737.59	3857697.49	0.15455	0.3103	0.012	0.01583	2.53E-02	2.41E-01	2.33E-03	1.17E-03	2.69E-01	2.49E-02	1.04E-05	2.56E-05	3.41E-05	2.50E-02	3.02E-02	2.41E-01	2.33E-03	1.17E-03	2.74E-01
5942	484737.32	3857616.59	0.16229	0.35693	0.0121	0.01666	2.65E-02	2.77E-01	2.35E-03	1.23E-03	3.07E-01	2.62E-02	1.20E-05	2.58E-05	3.59E-05	2.62E-02	3.18E-02	2.77E-01	2.35E-03	1.23E-03	3.12E-01
5943	484645.53	3857535.18	0.16564	0.39434	0.012	0.01743	2.71E-02	3.06E-01	2.32E-03	1.28E-03	3.37E-01	2.67E-02	1.32E-05	2.55E-05	3.75E-05	2.68E-02	3.24E-02	3.06E-01	2.32E-03	1.28E-03	3.42E-01
5944	484553.99	3857534.67	0.16011	0.36972	0.0116	0.01699	2.62E-02	2.87E-01	2.26E-03	1.25E-03	3.16E-01	2.58E-02	1.24E-05	2.47E-05	3.66E-05	2.59E-02	3.13E-02	2.87E-01	2.26E-03	1.25E-03	3.22E-01
5945	484462.46	3857534.17	0.15523	0.34795	0.0113	0.01671	2.54E-02	2.70E-01	2.20E-03	1.23E-03	2.99E-01	2.50E-02	1.17E-05	2.41E-05	3.60E-05	2.51E-02	3.04E-02	2.70E-01	2.20E-03	1.23E-03	3.04E-01
5946	484370.93	3857533.66	0.15028	0.32865	0.0111	0.01619	2.46E-02	2.55E-01	2.14E-03	1.19E-03	2.83E-01	2.42E-02	1.10E-05	2.35E-05	3.49E-05	2.43E-02	2.94E-02	2.55E-01	2.14E-03	1.19E-03	2.88E-01
5947	484279.4	3857533.16	0.14559	0.3103	0.0108	0.01584	2.38E-02	2.41E-01	2.09E-03	1.17E-03	2.68E-01	2.35E-02	1.04E-05	2.29E-05	3.41E-05	2.35E-02	2.85E-02	2.41E-01	2.09E-03	1.17E-03	2.72E-01
5948	484187.86	3857532.65	0.14079	0.29363	0.0105	0.01613	2.30E-02	2.28E-01	2.04E-03	1.19E-03	2.54E-01	2.27E-02	9.86E-06	2.23E-05	3.47E-05	2.28E-02	2.75E-02	2.28E-01	2.04E-03	1.19E-03	2.59E-01
5949	484096.33	3857532.15	0.13642	0.27505	0.0103	0.01645	2.23E-02	2.13E-01	1.99E-03	1.21E-03	2.39E-01	2.20E-02	9.24E-06	2.18E-05	3.54E-05	2.20E-02	2.67E-02	2.13E-01	1.99E-03	1.21E-03	2.43E-01
5950	484004.8	3857531.64	0.13165	0.26153	0.01	0.01627	2.15E-02	2.03E-01	1.94E-03	1.20E-03	2.28E-01	2.12E-02	8.79E-06	2.13E-05	3.50E-05	2.13E-02	2.58E-02	2.03E-01	1.94E-03	1.20E-03	2.32E-01
5951	483913.27	3857531.14	0.12662	0.25111	0.0098	0.01616	2.07E-02	1.95E-01	1.89E-03	1.19E-03	2.19E-01	2.04E-02	8.44E-06	2.08E-05	3.48E-05	2.05E-02	2.48E-02	1.95E-01	1.89E-03	1.19E-03	2.23E-01
5952	483821.73	3857530.63	0.12234	0.23804	0.0096	0.01658	2.00E-02	1.85E-01	1.85E-03	1.22E-03	2.08E-01	1.97E-02	8.00E-06	2.03E-05	3.57E-05	1.98E-02	2.39E-02	1.85E-01	1.85E-03	1.22E-03	2.12E-01
5953	483729.61	3857450.11	0.12256	0.24958	0.0095	0.01795	2.00E-02	1.94E-01	1.84E-03	1.32E-03	2.17E-01	1.97E-02	8.38E-06	2.01E-05	3.86E-05	1.98E-02	2.40E-02	1.94E-01	1.84E-03	1.32E-03	2.21E-01
5954	483729.03	3857370.08	0.12754	0.27453	0.0097	0.01902	2.09E-02	2.13E-01	1.88E-03	1.40E-03	2.37E-01	2.06E-02	9.22E-06	2.06E-05	4.09E-05	2.06E-02	2.50E-02	2.13E-01	1.88E-03	1.40E-03	2.41E-01
5955	483728.44	3857290.06	0.13196	0.30951	0.0099	0.02009	2.16E-02	2.40E-01	1.92E-03	1.48E-03	2.65E-01	2.13E-02	1.04E-05	2.11E-05	4.32E-05	2.13E-02	2.58E-02	2.40E-01	1.92E-03	1.48E-03	2.69E-01
5956	483727.86	3857210.03	0.13628	0.35617	0.0102	0.02141	2.23E-02	2.76E-01	1.97E-03	1.58E-03	3.02E-01	2.20E-02	1.20E-05	2.16E-05	4.61E-05	2.20E-02	2.67E-02	2.76E-01	1.97E-03	1.58E-03	3.07E-01
5957	483641.15	3857129.07	0.13582	0.36511	0.0102	0.02232	2.22E-02	2.83E-01	1.98E-03	1.64E-03	3.09E-01	2.19E-02	1.23E-05	2.17E-05	4.80E-05	2.20E-02	2.66E-02	2.83E-01	1.98E-03	1.64E-03	3.13E-01
5958	483555.03	3857128.14	0.13059	0.32594	0.01	0.02174	2.14E-02	2.53E-01	1.94E-03	1.60E-03	2.78E-01	2.10E-02	1.09E-05	2.12E-05	4.68E-05	2.11E-02	2.56E-02	2.53E-01	1.94E-03	1.60E-03	2.82E-01
5959	483468.91	3857127.2	0.12471	0.29882	0.0098	0.02089	2.04E-02	2.32E-01	1.89E-03	1.54E-03	2.56E-01	2.01E-02	1.00E-05	2.07E-05	4.50E-05	2.02E-02	2.44E-02	2.32E-01	1.89E-03	1.54E-03	2.60E-01
5960	483382.78	3857126.26	0.12044	0.26983	0.0096	0.02024	1.97E-02	2.09E-01	1.86E-03	1.49E-03	2.32E-01	1.94E-02	9.06E-06	2.03E-05	4.36E-05	1.95E-02	2.36E-02	2.09E-01	1.86E-03	1.49E-03	2.36E-01
5961	483296.66	3857125.32	0.11585	0.24742	0.0094	0.01978	1.89E-02	1.92E-01	1.82E-03	1.46E-03	2.14E-01	1.87E-02	8.31E-06	1.99E-05	4.26E-05	1.87E-02	2.27E-02	1.92E-01	1.82E-03	1.46E-03	2.18E-01
5962	483210.54	3857124.39	0.11129	0.22846	0.0092	0.01836	1.82E-02	1.77E-01	1.78E-03	1.35E-03	1.99E-01	1.79E-02	7.67E-06	1.95E-05	3.95E-05	1.80E-02	2.18E-02	1.77E-01	1.78E-03	1.35E-03	2.02E-01
5963	483123.4	3857030.96	0.11033	0.2274	0.0092	0.01744	1.80E-02	1.76E-01	1.79E-03	1.28E-03	1.98E-01	1.78E-02	7.64E-06	1.96E-05	3.75E-05	1.78E-02	2.16E-02	1.76E-01	1.79E-03	1.28E-03	2.01E-01
5964	483122.38	3856938.46	0.114	0.24312	0.0095	0.01809	1.86E-02	1.89E-01	1.84E-03	1.33E-03	2.10E-01	1.84E-02	8.17E-06	2.01E-05	3.89E-05	1.84E-02	2.23E-02	1.89E-01	1.84E-03	1.33E-03	2.14E-01
5965	483121.35	3856845.97	0.11771	0.25791	0.0096	0.01905	1.93E-02	2.00E-01	1.87E-03	1.40E-03	2.23E-01	1.90E-02	8.66E-06	2.05E-05	4.10E-05	1.90E-02	2.30E-02	2.00E-01	1.87E-03	1.40E-03	2.26E-01
5966	483120.33	3856753.47	0.12042	0.27784	0.0097	0.02067	1.97E-02	2.16E-01	1.88E-03	1.52E-03	2.39E-01	1.94E-02	9.33E-06	2.06E-05	4.45E-05	1.95E-02	2.36E-02	2.16E-01	1.88E-03	1.52E-03	2.42E-01
5967	483119.31	3856660.98	0.12321	0.29664	0.0097	0.02288	2.02E-02	2.30E-01	1.88E-03	1.68E-03	2.54E-01	1.99E-02	9.96E-06	2.06E-05	4.93E-05	1.99E-02	2.41E-02	2.30E-01	1.88E-03	1.68E-03	2.58E-01
5968	483118.29	3856568.49	0.1266	0.31025	0.0096	0.02556	2.07E-02	2.41E-01	1.86E-03	1.88E-03	2.65E-01	2.04E-02	1.04E-05	2.04E-05	5.50E-05	2.05E-02	2.48E-02	2.41E-01	1.86E-03	1.88E-03	2.69E-01
5969	483117.26	3856475.99	0.13035	0.31947	0.0095	0.02877	2.13E-02	2.48E-01	1.83E-03	2.12E-03	2.73E-01	2.10E-02	1.07E-05	2.01E-05	6.19E-05	2.11E-02	2.55E-02	2.48E-01	1.83E-03	2.12E-03	2.77E-01
5970	483116.24	3856383.5	0.1337	0.3314	0.0093	0.03327	2.19E-02	2.57E-01	1.80E-03	2.45E-03	2.83E-01	2.15E-02	1.11E-05	1.98E-05	7.16E-05	2.16E-02	2.62E-02	2.57E-01	1.80E-03	2.45E-03	2.87E-01
5971	483115.22	3856291.01	0.13703	0.34282	0.0091	0.03934	2.24E-02	2.66E-01	1.76E-03	2.90E-03	2.93E-01	2.21E-02	1.15E-05	1.93E-05	8.47E-05	2.22E-02	2.68E-02	2.66E-01	1.76E-03	2.90E-03	2.97E-01
5972	483114.2	3856198.51	0.13962	0.36142	0.0088	0.04483	2.28E-02	2.80E-01	1.71E-03	3.30E-03	3.08E-01	2.25E-02	1.21E-05	1.87E-05	9.65E-05	2.26E-02	2.73E-02	2.80E-01	1.71E-03	3.30E-03	3.13E-01
5973	483113.17	3856106.02	0.14324	0.36691	0.0085	0.04729	2.34E-02	2.85E-01	1.65E-03	3.48E-03	3.13E-01	2.31E-02	1.23E-05	1.81E-05	1.02E-04	2.32E-02	2.80E-02	2.85E-01	1.65E-03	3.48E-03	3.18E-01
5974	483112.15	3856013.52	0.14514	0.39149	0.0081	0.04623	2.37E-02	3.04E-01	1.57E-03	3.40E-03	3.32E-01	2.34E-02	1.32E-05	1.72E-05	9.95E-05	2.35E-02	2.84E-02	3.04E-01	1.57E-03	3.40E-03	3.37E-01

5975	483029.25	3855920.47	0.13899	0.35534	0.0077	0.03758	2.27E-02	2.76E-01	1.50E-03	2.77E-03	3.03E-01	2.24E-02	1.19E-05	1.64E-05	8.09E-05	2.25E-02	2.72E-02	2.76E-01	1.50E-03	2.77E-03	3.07E-01
5976	482947.37	3855919.91	0.13196	0.30994	0.0078	0.03376	2.16E-02	2.40E-01	1.51E-03	2.49E-03	2.66E-01	2.13E-02	1.04E-05	1.66E-05	7.27E-05	2.14E-02	2.58E-02	2.40E-01	1.51E-03	2.49E-03	2.70E-01
5977	482865.49	3855919.36	0.12525	0.2785	0.0079	0.03055	2.05E-02	2.16E-01	1.52E-03	2.25E-03	2.40E-01	2.02E-02	9.36E-06	1.67E-05	6.58E-05	2.03E-02	2.45E-02	2.16E-01	1.52E-03	2.25E-03	2.44E-01
5978	482783.61	3855918.8	0.11964	0.24753	0.0079	0.02791	1.96E-02	1.92E-01	1.54E-03	2.05E-03	2.15E-01	1.93E-02	8.31E-06	1.69E-05	6.01E-05	1.94E-02	2.34E-02	1.92E-01	1.54E-03	2.05E-03	2.19E-01
5979	482700.33	3855818.39	0.11385	0.23844	0.0076	0.0254	1.86E-02	1.85E-01	1.47E-03	1.87E-03	2.07E-01	1.83E-02	8.01E-06	1.61E-05	5.47E-05	1.84E-02	2.23E-02	1.85E-01	1.47E-03	1.87E-03	2.11E-01
5980	482698.92	3855718.54	0.11385	0.25422	0.0071	0.02425	1.86E-02	1.97E-01	1.38E-03	1.79E-03	2.19E-01	1.83E-02	8.54E-06	1.51E-05	5.22E-05	1.84E-02	2.23E-02	1.97E-01	1.38E-03	1.79E-03	2.23E-01
5981	482697.52	3855618.68	0.11322	0.27597	0.0066	0.02294	1.85E-02	2.14E-01	1.27E-03	1.69E-03	2.36E-01	1.82E-02	9.27E-06	1.40E-05	4.94E-05	1.83E-02	2.22E-02	2.14E-01	1.27E-03	1.69E-03	2.39E-01
5982	482696.11	3855518.83	0.11306	0.2679	0.006	0.02181	1.85E-02	2.08E-01	1.17E-03	1.61E-03	2.29E-01	1.82E-02	9.00E-06	1.28E-05	4.70E-05	1.83E-02	2.21E-02	2.08E-01	1.17E-03	1.61E-03	2.33E-01
5983	482694.71	3855418.98	0.11143	0.26173	0.0055	0.02102	1.82E-02	2.03E-01	1.07E-03	1.55E-03	2.24E-01	1.80E-02	8.79E-06	1.17E-05	4.53E-05	1.80E-02	2.18E-02	2.03E-01	1.07E-03	1.55E-03	2.27E-01
5984	482693.3	3855319.13	0.10918	0.24612	0.005	0.02108	1.79E-02	1.91E-01	9.75E-04	1.55E-03	2.11E-01	1.76E-02	8.27E-06	1.07E-05	4.54E-05	1.77E-02	2.14E-02	1.91E-01	9.75E-04	1.55E-03	2.15E-01
5985	482691.9	3855219.27	0.10705	0.21729	0.0046	0.02402	1.75E-02	1.69E-01	8.98E-04	1.77E-03	1.89E-01	1.72E-02	7.30E-06	9.84E-06	5.17E-05	1.73E-02	2.09E-02	1.69E-01	8.98E-04	1.77E-03	1.92E-01
5986	482690.49	3855119.42	0.10362	0.20019	0.0043	0.03097	1.69E-02	1.55E-01	8.40E-04	2.28E-03	1.75E-01	1.67E-02	6.72E-06	9.21E-06	6.67E-05	1.68E-02	2.03E-02	1.55E-01	8.40E-04	2.28E-03	1.79E-01
5987	482689.09	3855019.57	0.10047	0.1635	0.0041	0.03735	1.64E-02	1.27E-01	7.89E-04	2.75E-03	1.47E-01	1.62E-02	5.49E-06	8.65E-06	8.04E-05	1.63E-02	1.97E-02	1.27E-01	7.89E-04	2.75E-03	1.50E-01
5988	482687.68	3854919.71	0.09579	0.1239	0.0039	0.03774	1.57E-02	9.61E-02	7.60E-04	2.78E-03	1.15E-01	1.54E-02	4.16E-06	8.33E-06	8.12E-05	1.55E-02	1.87E-02	9.61E-02	7.60E-04	2.78E-03	1.18E-01
5989	482686.28	3854819.86	0.09053	0.08916	0.0038	0.03292	1.48E-02	6.92E-02	7.35E-04	2.42E-03	8.71E-02	1.46E-02	3.00E-06	8.06E-06	7.09E-05	1.47E-02	1.77E-02	6.92E-02	7.35E-04	2.42E-03	9.00E-02
5990	482684.88	3854720.01	0.0836	0.0719	0.0037	0.02658	1.37E-02	5.58E-02	7.21E-04	1.96E-03	7.21E-02	1.35E-02	2.42E-06	7.91E-06	5.72E-05	1.35E-02	1.64E-02	5.58E-02	7.21E-04	1.96E-03	7.48E-02
5991	482683.47	3854620.16	0.07668	0.05877	0.0037	0.02126	1.25E-02	4.56E-02	7.08E-04	1.57E-03	6.04E-02	1.24E-02	1.97E-06	7.76E-06	4.58E-05	1.24E-02	1.50E-02	4.56E-02	7.08E-04	1.57E-03	6.29E-02
5992	482682.07	3854520.31	0.06972	0.05114	0.0036	0.01759	1.14E-02	3.97E-02	6.96E-04	1.30E-03	5.31E-02	1.12E-02	1.72E-06	7.63E-06	3.79E-05	1.13E-02	1.36E-02	3.97E-02	6.96E-04	1.30E-03	5.53E-02
5993	482680.66	3854420.45	0.06434	0.04576	0.0035	0.01515	1.05E-02	3.55E-02	6.84E-04	1.12E-03	4.78E-02	1.04E-02	1.54E-06	7.51E-06	3.26E-05	1.04E-02	1.26E-02	3.55E-02	6.84E-04	1.12E-03	4.99E-02
5994	482679.26	3854320.6	0.06055	0.04164	0.0035	0.01337	9.90E-03	3.23E-02	6.75E-04	9.84E-04	4.39E-02	9.76E-03	1.40E-06	7.40E-06	2.88E-05	9.79E-03	1.18E-02	3.23E-02	6.75E-04	9.84E-04	4.58E-02
5995	482677.85	3854220.75	0.05868	0.03681	0.0034	0.01189	9.60E-03	2.86E-02	6.63E-04	8.75E-04	3.97E-02	9.46E-03	1.24E-06	7.27E-06	2.56E-05	9.49E-03	1.15E-02	2.86E-02	6.63E-04	8.75E-04	4.16E-02
5996	482676.45	3854120.9	0.05622	0.03485	0.0034	0.01075	9.20E-03	2.70E-02	6.59E-04	7.91E-04	3.77E-02	9.06E-03	1.17E-06	7.23E-06	2.31E-05	9.09E-03	1.10E-02	2.70E-02	6.59E-04	7.91E-04	3.95E-02
5997	482675.04	3854021.04	0.05352	0.03265	0.0034	0.00983	8.75E-03	2.53E-02	6.52E-04	7.24E-04	3.55E-02	8.62E-03	1.10E-06	7.14E-06	2.12E-05	8.65E-03	1.05E-02	2.53E-02	6.52E-04	7.24E-04	3.72E-02
5998	482673.64	3853921.19	0.05047	0.03078	0.0033	0.00912	8.25E-03	2.39E-02	6.48E-04	6.71E-04	3.35E-02	8.13E-03	1.03E-06	7.10E-06	1.96E-05	8.16E-03	9.88E-03	2.39E-02	6.48E-04	6.71E-04	3.51E-02
5999	482672.23	3853821.34	0.04738	0.02874	0.0033	0.00854	7.75E-03	2.23E-02	6.38E-04	6.29E-04	3.13E-02	7.63E-03	9.65E-07	7.00E-06	1.84E-05	7.66E-03	9.27E-03	2.23E-02	6.38E-04	6.29E-04	3.28E-02
6000	482670.83	3853721.48	0.04413	0.02698	0.0033	0.00805	7.22E-03	2.09E-02	6.30E-04	5.93E-04	2.94E-02	7.11E-03	9.06E-07	6.91E-06	1.73E-05	7.14E-03	8.64E-03	2.09E-02	6.30E-04	5.93E-04	3.08E-02
6001	482669.42	3853621.63	0.04125	0.0256	0.0032	0.00765	6.75E-03	1.99E-02	6.22E-04	5.63E-04	2.78E-02	6.65E-03	8.60E-07	6.83E-06	1.65E-05	6.67E-03	8.07E-03	1.99E-02	6.22E-04	5.63E-04	2.91E-02
6002	482645.99	3853446.13	0.03827	0.02329	0.0031	0.00699	6.26E-03	1.81E-02	6.03E-04	5.15E-04	2.54E-02	6.17E-03	7.82E-07	6.61E-06	1.50E-05	6.19E-03	7.49E-03	1.81E-02	6.03E-04	5.15E-04	2.67E-02
6003	482623.97	3853370.48	0.03762	0.02245	0.0031	0.00673	6.15E-03	1.74E-02	5.95E-04	4.95E-04	2.47E-02	6.06E-03	7.54E-07	6.53E-06	1.45E-05	6.08E-03	7.36E-03	1.74E-02	5.95E-04	4.95E-04	2.59E-02
6004	482601.94	3853294.84	0.03722	0.0216	0.003	0.00649	6.09E-03	1.68E-02	5.88E-04	4.78E-04	2.39E-02	6.00E-03	7.26E-07	6.44E-06	1.40E-05	6.02E-03	7.28E-03	1.68E-02	5.88E-04	4.78E-04	2.51E-02
6005	482531.29	3853133.44	0.03655	0.01987	0.0029	0.00602	5.98E-03	1.54E-02	5.70E-04	4.43E-04	2.24E-02	5.89E-03	6.67E-07	6.25E-06	1.30E-05	5.91E-03	7.15E-03	1.54E-02	5.70E-04	4.43E-04	2.36E-02
6006	482482.68	3853047.69	0.03614	0.01894	0.0029	0.00578	5.91E-03	1.47E-02	5.60E-04	4.26E-04	2.16E-02	5.82E-03	6.36E-07	6.14E-06	1.24E-05	5.84E-03	7.07E-03	1.47E-02	5.60E-04	4.26E-04	2.28E-02
6007	482383.09	3852897.4	0.03495	0.01772	0.0028	0.00539	5.72E-03	1.37E-02	5.45E-04	3.97E-04	2.04E-02	5.63E-03	5.95E-07	5.97E-06	1.16E-05	5.65E-03	6.84E-03	1.37E-02	5.45E-04	3.97E-04	2.15E-02
6008	482265.64	3852765.26	0.03331	0.01676	0.0028	0.00506	5.45E-03	1.30E-02	5.33E-04	3.73E-04	1.94E-02	5.37E-03	5.63E-07	5.85E-06	1.09E-05	5.38E-03	6.52E-03	1.30E-02	5.33E-04	3.73E-04	2.04E-02
6009	482199.16	3852697.66	0.03242	0.0163	0.0027	0.00491	5.30E-03	1.26E-02	5.27E-04	3.61E-04	1.88E-02	5.22E-03	5.48E-07	5.78E-06	1.06E-05	5.24E-03	6.34E-03	1.26E-02	5.27E-04	3.61E-04	1.99E-02
6010	482132.69	3852630.07	0.03158	0.01585	0.0027	0.00477	5.17E-03	1.23E-02	5.20E-04	3.51E-04	1.83E-02	5.09E-03	5.32E-07	5.70E-06	1.03E-05	5.11E-03	6.18E-03	1.23E-02	5.20E-04	3.51E-04	1.93E-02
6011	482066.21	3852562.48	0.03077	0.01545	0.0027	0.00465	5.03E-03	1.20E-02	5.14E-04	3.42E-04	1.79E-02	4.96E-03	5.19E-07	5.63E-06	1.00E-05	4.97E-03	6.02E-03	1.20E-02	5.14E-04	3.42E-04	1.89E-02
6012	481999.74	3852494.89	0.02998	0.01511	0.0026	0.00453	4.90E-03	1.17E-02	5.08E-04	3.34E-04	1.75E-02	4.83E-03	5.08E-07	5.57E-06	9.75E-06	4.85E-03	5.87E-03	1.17E-02	5.08E-04	3.34E-04	1.84E-02
6013	481933.26	3852427.29	0.02922	0.0148	0.0026	0.00443	4.78E-03	1.15E-02	5.02E-04	3.26E-04	1.71E-02	4.71E-03	4.97E-07	5.51E-06	9.54E-06	4.72E-03	5.72E-03	1.15E-02	5.02E-04	3.26E-04	1.80E-02
6014	481866.79	3852359.7	0.02853	0.01446	0.0026	0.00433	4.67E-03	1.12E-02	4.96E-04	3.19E-04	1.67E-02	4.60E-03	4.86E-07	5.44E-06	9.32E-06	4.61E-03	5.58E-03	1.12E-02	4.96E-04	3.19E-04	1.76E-02
6015	481800.31	3852292.11	0.02787	0.01413	0.0025	0.00424	4.56E-03	1.10E-02	4.91E-04	3.12E-04	1.63E-02	4.49E-03	4.75E-07	5.38E-06	9.13E-06	4.51E-03	5.45E-03	1.10E-02	4.91E-04	3.12E-04	1.72E-02
6016	481733.84	3852224.52	0.02723	0.01385	0.0025	0.00416	4.45E-03	1.07E-02	4.85E-04	3.06E-04	1.60E-02	4.39E-03	4.65E-07	5.32E-06	8.96E-06	4.40E-03	5.33E-03	1.07E-02	4.85E-04	3.06E-04	1.69E-02
6017	481667.36	3852156.92	0.02663	0.01353	0.0025	0.00408	4.36E-03	1.05E-02	4.79E-04	3.00E-04	1.56E-02	4.29E-03	4.54E-07	5.25E-06	8.78E-06	4.31E-03	5.21E-03	1.05E-02	4.79E-04	3.00E-04	1.65E-02
6018	481600.89	3852089.33	0.02601	0.01337	0.0025	0.00401	4.25E-03	1.04E-02	4.75E-04	2.95E-04	1.54E-02	4.19E-03	4.49E-07	5.21E-06	8.63E-06	4.21E-03	5.09E-03	1.04E-02	4.75E-04	2.95E-04	1.62E-02
6019	481534.41	3852021.74	0.0254	0.01325	0.0024	0.00393	4.15E-03	1.03E-02	4.71E-04	2.89E-04	1.52E-02	4.09E-03	4.45E-07	5.17E-06	8.46E-06	4.11E-03	4.97E-03	1.03E-02	4.71E-04	2.89E-04	1.60E-02
6020	481467.94	3851954.15	0.02483	0.0131	0.0024	0.00386	4.06E-03	1.02E-02	4.65E-04	2.84E-04	1.50E-02	4.00E-03	4.40E-07	5.10E-06	8.31E-06	4.01E-03	4.86E-03	1.02E-02	4.65E-04	2.84E-04	1.58E-02
6021	481401.46	3851886.55	0.0243	0.01289	0.0024	0.00379	3.97E-03	1.00E-02	4.61E-04	2.79E-04	1.47E-02	3.92E-03	4.33E-07	5.06E-06	8.16E-06	3.93E-03	4.76E-03	1.00E-02	4.61E-04	2.79E-04	1.55E-02
6022	481265.87	3851761.43	0.02322	0.01265	0.0023	0.00366	3.80E-03	9.81E-03	4.54E-04	2.69E-04	1.43E-02	3.74E-03	4.25E-07	4.98E-06	7.88E-06	3.75E-03	4.54E-03	9.81E-03	4.54E-04	2.69E-04	1.51E-02
6023	481196.74	3851703.89	0.0227	0.0125	0.0023	0.00361	3.71E-03	9.70E-03	4.50E-04	2.66E-04	1.41E-02	3.66E-03	4.20E-07	4.93E-06	7.77E-06	3.67E-03	4.44E-03	9.70E-03	4.50E-04	2.66E-04	1.49E-02
6024	481076.33	3851619.04	0.02177	0.01234	0.0023	0.00352	3.56E-03	9.57E-03	4.44E-04	2.59E-04	1.38E-02	3.51E-03	4.15E-07	4.87E-06	7.58E-06	3.52E-03	4.26E-03	9.57E-03	4.44E-04	2.59E-04	1.45E-02
6025	480939.8	3851549.07	0.0206	0.01214	0.0023	0.00344	3.37E-03	9.42E-03	4.40E-04	2.53E-04	1.35E-02	3.32E-03	4.08E-07	4.83E-06	7.41E-06	3.33E-03	4.03E-03	9.42E-03	4.40E-04	2.53E-04	1.41E-02
6026	480854.56	3851506.41	0.01986	0.01201	0.0023	0.00339	3.25E-03	9.32E-03	4.36E-04	2.50E-04	1.33E-02	3.20E-03	4.03E-07	4.78E-06	7.30E-06	3.21E-03	3.89E-03	9.32E-03	4.36E-04	2.50E-04	1.39E-02
6027	480769.32	3851463.75	0.01913	0.01185	0.0022	0.00334	3.13E-03	9.19E-03	4.34E-04	2.46E-04	1.30E-02	3.08E-03	3.98E-07	4.76E-06	7.19E-06	3.09E-03	3.74E-03	9.19E-03	4.34E-04	2.46E-04	1.36E-02
6028	480684.08	3851421.08	0.01842	0.01169	0.0022	0.0033	3.01E-03	9.07E-03	4.32E-04	2.43E-04	1.28E-02	2.97E-03	3.93E-07	4.74E-06	7.10E-06	2.98E-03	3.60E-03	9.07E-03	4.32E-04	2.43E-04	1.33E-02
6029	480598.84	3851378.42	0.01773	0.01161	0.0022	0.00326	2.90E-03	9.01E-03	4.30E-04	2.40E-04	1.26E-02	2.86E-03	3.90E-07	4.72E-06	7.02E-06	2.87E-03	3.47E-03	9.01E-03	4.30E-04	2.40E-04	1.31E-02
6030	480435.71	3851275.01	0.01662	0.01133	0.0022	0.00318	2.72E-03	8.79E-03	4.25E-04	2.34E-04	1.22E-02	2.68E-03	3.81E-07	4.66E-06	6.85E-06	2.69E-03	3.25E-03	8.79E-03	4.25E-04	2.34E-04	1.27E-02
6031	480347.85	3851232.36	0.016	0.01125	0.0022	0.00315	2.62E-03	8.73E-03	4.23E-04	2.32E-04	1.20E-02	2.58E-03	3.78E-07	4.64E-06	6.78E-06	2.59E-03	3.13E-03	8.73E-03	4.23E-04	2.32E-04	1.25E-02
6032	480260	3851189.72	0.01542	0.01117	0.0022	0.00312	2.52E-03	8.66E-03	4.21E-04	2.30E-04	1.18E-02	2.48E-03	3.75E-07	4.61E-06	6.72E-06	2.50E-03	3.02E-03	8.67E-03	4.21E-04	2.30E-04	1.23E-02
6033	480172.15	3851147.07	0.01489	0.01107	0.0022	0.00309	2.44E-03	8.59E-03	4.19E-04	2.27E-04	1.17E-02	2.40E-03	3.72E-07	4.59E-06	6.65E-06	2.41E-03	2.91E-03	8.59E-03	4.19E-04	2.27E-04	1.21E-02
6034	480084.29	3851104.42	0.01439	0.01096	0.0022	0.00306	2.35E-03	8.50E-03	4.17E-04	2.25E-04	1.15E-02	2.32E-03	3.68E-07	4.57E-06	6.59E-06	2.33E-03	2.82E-03	8.50E-03	4.17E-04	2.25E-04	1.20E-02
6035	479996.44	3851061.77	0.01394	0.01082	0.0021	0.00304	2.28E-03	8.39E-03	4.15E-04	2.24E-04	1.13E-02	2.25E-03	3.63E-07	4.55E-06	6.54E-06	2.26E-03	2.73E-03	8.39E-03	4.15E-04	2.24E-04	1.18E-02

6036	479908.58	3851019.13	0.01352	0.01049	0.0021	0.00302	2.21E-03	8.14E-03	4.11E-04	2.22E-04	1.10E-02	2.18E-03	3.52E-07	4.51E-06	6.50E-06	2.19E-03	2.65E-03	8.14E-03	4.11E-04	2.22E-04	1.14E-02
6037	479820.73	3850976.48	0.01313	0.01039	0.0021	0.00299	2.15E-03	8.06E-03	4.09E-04	2.20E-04	1.08E-02	2.12E-03	3.49E-07	4.49E-06	6.44E-06	2.13E-03	2.57E-03	8.06E-03	4.09E-04	2.20E-04	1.13E-02
6038	479732.88	3850933.83	0.01278	0.0103	0.0021	0.00297	2.09E-03	7.99E-03	4.07E-04	2.19E-04	1.07E-02	2.06E-03	3.46E-07	4.46E-06	6.39E-06	2.07E-03	2.50E-03	7.99E-03	4.07E-04	2.19E-04	1.11E-02
6039	479645.02	3850891.18	0.01246	0.01024	0.0021	0.00294	2.04E-03	7.94E-03	4.05E-04	2.16E-04	1.06E-02	2.01E-03	3.44E-07	4.44E-06	6.33E-06	2.02E-03	2.44E-03	7.94E-03	4.05E-04	2.16E-04	1.10E-02
6040	479557.17	3850848.54	0.01218	0.01022	0.0021	0.00291	1.99E-03	7.93E-03	4.03E-04	2.14E-04	1.05E-02	1.96E-03	3.43E-07	4.42E-06	6.26E-06	1.97E-03	2.38E-03	7.93E-03	4.03E-04	2.14E-04	1.09E-02
6041	479469.32	3850805.89	0.01192	0.01008	0.0021	0.00289	1.95E-03	7.82E-03	4.01E-04	2.13E-04	1.04E-02	1.92E-03	3.39E-07	4.40E-06	6.22E-06	1.93E-03	2.33E-03	7.82E-03	4.01E-04	2.13E-04	1.08E-02
6042	479381.46	3850763.24	0.0117	0.01011	0.0021	0.00286	1.91E-03	7.84E-03	3.99E-04	2.11E-04	1.04E-02	1.89E-03	3.40E-07	4.38E-06	6.16E-06	1.90E-03	2.29E-03	7.84E-03	3.99E-04	2.11E-04	1.07E-02
6043	479293.61	3850720.59	0.0115	0.01024	0.0021	0.00283	1.88E-03	7.94E-03	3.98E-04	2.08E-04	1.04E-02	1.85E-03	3.44E-07	4.36E-06	6.09E-06	1.86E-03	2.25E-03	7.94E-03	3.98E-04	2.08E-04	1.08E-02
6044	479205.76	3850677.95	0.01132	0.01031	0.002	0.00279	1.85E-03	8.00E-03	3.96E-04	2.05E-04	1.04E-02	1.82E-03	3.46E-07	4.34E-06	6.01E-06	1.83E-03	2.22E-03	8.00E-03	3.96E-04	2.05E-04	1.08E-02
6045	479117.9	3850635.3	0.01116	0.01041	0.002	0.00276	1.83E-03	8.08E-03	3.94E-04	2.03E-04	1.05E-02	1.80E-03	3.50E-07	4.32E-06	5.94E-06	1.81E-03	2.18E-03	8.08E-03	3.94E-04	2.03E-04	1.09E-02
6046	479030.05	3850592.65	0.01101	0.01044	0.002	0.00274	1.80E-03	8.10E-03	3.94E-04	2.02E-04	1.05E-02	1.77E-03	3.51E-07	4.32E-06	5.90E-06	1.78E-03	2.15E-03	8.10E-03	3.94E-04	2.02E-04	1.08E-02
6047	478942.19	3850550	0.01087	0.01026	0.002	0.00272	1.78E-03	7.96E-03	3.90E-04	2.00E-04	1.03E-02	1.75E-03	3.45E-07	4.27E-06	5.86E-06	1.76E-03	2.13E-03	7.96E-03	3.90E-04	2.00E-04	1.07E-02
6048	478854.34	3850507.36	0.01059	0.00979	0.002	0.0027	1.73E-03	7.59E-03	3.88E-04	1.99E-04	9.91E-03	1.71E-03	3.29E-07	4.25E-06	5.81E-06	1.72E-03	2.07E-03	7.59E-03	3.88E-04	1.99E-04	1.03E-02
6049	478766.49	3850464.71	0.01042	0.00958	0.002	0.00268	1.70E-03	7.43E-03	3.84E-04	1.97E-04	9.72E-03	1.68E-03	3.22E-07	4.21E-06	5.77E-06	1.69E-03	2.04E-03	7.43E-03	3.84E-04	1.97E-04	1.01E-02
6050	478678.63	3850422.06	0.0103	0.00944	0.002	0.00266	1.68E-03	7.32E-03	3.82E-04	1.96E-04	9.59E-03	1.66E-03	3.17E-07	4.19E-06	5.73E-06	1.67E-03	2.02E-03	7.32E-03	3.82E-04	1.96E-04	9.92E-03
6051	478590.78	3850379.41	0.01019	0.00927	0.002	0.00264	1.67E-03	7.19E-03	3.80E-04	1.94E-04	9.43E-03	1.64E-03	3.11E-07	4.17E-06	5.68E-06	1.65E-03	1.99E-03	7.19E-03	3.80E-04	1.94E-04	9.76E-03
6052	478502.93	3850336.77	0.0101	0.00916	0.002	0.00262	1.65E-03	7.11E-03	3.78E-04	1.93E-04	9.33E-03	1.63E-03	3.08E-07	4.15E-06	5.64E-06	1.64E-03	1.98E-03	7.11E-03	3.78E-04	1.93E-04	9.65E-03
6053	478415.07	3850294.12	0.01003	0.00909	0.0019	0.0026	1.64E-03	7.05E-03	3.76E-04	1.91E-04	9.26E-03	1.62E-03	3.05E-07	4.12E-06	5.60E-06	1.63E-03	1.96E-03	7.05E-03	3.76E-04	1.91E-04	9.58E-03
6054	478327.22	3850251.47	0.00993	0.00889	0.0019	0.00258	1.62E-03	6.90E-03	3.74E-04	1.90E-04	9.08E-03	1.60E-03	2.99E-07	4.10E-06	5.55E-06	1.61E-03	1.94E-03	6.90E-03	3.74E-04	1.90E-04	9.40E-03
6055	478239.36	3850208.82	0.00984	0.00873	0.0019	0.00256	1.61E-03	6.77E-03	3.70E-04	1.88E-04	8.94E-03	1.59E-03	2.93E-07	4.06E-06	5.51E-06	1.60E-03	1.93E-03	6.77E-03	3.70E-04	1.88E-04	9.26E-03
6056	478151.51	3850166.18	0.00976	0.00858	0.0019	0.00254	1.60E-03	6.66E-03	3.68E-04	1.87E-04	8.81E-03	1.57E-03	2.88E-07	4.04E-06	5.47E-06	1.58E-03	1.91E-03	6.66E-03	3.68E-04	1.87E-04	9.12E-03
6057	478063.66	3850123.53	0.00968	0.00845	0.0019	0.00252	1.58E-03	6.55E-03	3.66E-04	1.86E-04	8.69E-03	1.56E-03	2.84E-07	4.02E-06	5.42E-06	1.57E-03	1.89E-03	6.56E-03	3.66E-04	1.86E-04	9.00E-03
6058	477975.8	3850080.88	0.00966	0.00874	0.0019	0.0025	1.58E-03	6.78E-03	3.65E-04	1.84E-04	8.91E-03	1.56E-03	2.94E-07	4.00E-06	5.38E-06	1.57E-03	1.89E-03	6.78E-03	3.65E-04	1.84E-04	9.22E-03
6059	477887.95	3850038.23	0.00959	0.0087	0.0019	0.00248	1.57E-03	6.75E-03	3.63E-04	1.83E-04	8.86E-03	1.55E-03	2.92E-07	3.98E-06	5.34E-06	1.55E-03	1.88E-03	6.75E-03	3.63E-04	1.83E-04	9.17E-03
6060	477800.1	3849995.59	0.00953	0.0087	0.0019	0.00247	1.56E-03	6.75E-03	3.61E-04	1.82E-04	8.85E-03	1.54E-03	2.92E-07	3.95E-06	5.32E-06	1.55E-03	1.86E-03	6.75E-03	3.61E-04	1.82E-04	9.16E-03
6061	477712.24	3849952.94	0.00945	0.00858	0.0019	0.00245	1.55E-03	6.66E-03	3.59E-04	1.80E-04	8.74E-03	1.52E-03	2.88E-07	3.93E-06	5.27E-06	1.53E-03	1.85E-03	6.66E-03	3.59E-04	1.80E-04	9.04E-03
6062	477624.39	3849910.29	0.00937	0.00844	0.0018	0.00244	1.53E-03	6.55E-03	3.55E-04	1.80E-04	8.61E-03	1.51E-03	2.84E-07	3.89E-06	5.25E-06	1.52E-03	1.83E-03	6.55E-03	3.55E-04	1.80E-04	8.92E-03
6063	477536.54	3849867.64	0.00929	0.00832	0.0018	0.00243	1.52E-03	6.45E-03	3.53E-04	1.79E-04	8.51E-03	1.50E-03	2.79E-07	3.87E-06	5.23E-06	1.51E-03	1.82E-03	6.45E-03	3.53E-04	1.79E-04	8.80E-03
6064	477448.68	3849825	0.0092	0.00813	0.0018	0.00242	1.50E-03	6.31E-03	3.51E-04	1.78E-04	8.34E-03	1.48E-03	2.73E-07	3.85E-06	5.21E-06	1.49E-03	1.80E-03	6.31E-03	3.51E-04	1.78E-04	8.64E-03
6065	477360.83	3849782.35	0.00912	0.00795	0.0018	0.0024	1.49E-03	6.17E-03	3.49E-04	1.77E-04	8.18E-03	1.47E-03	2.67E-07	3.83E-06	5.17E-06	1.48E-03	1.78E-03	6.17E-03	3.49E-04	1.77E-04	8.48E-03
6066	477272.97	3849739.7	0.00903	0.00775	0.0018	0.00239	1.48E-03	6.01E-03	3.47E-04	1.76E-04	8.01E-03	1.46E-03	2.60E-07	3.81E-06	5.15E-06	1.46E-03	1.77E-03	6.01E-03	3.47E-04	1.76E-04	8.30E-03
6067	477185.12	3849697.05	0.00895	0.00759	0.0018	0.00238	1.46E-03	5.89E-03	3.45E-04	1.75E-04	7.87E-03	1.44E-03	2.55E-07	3.78E-06	5.12E-06	1.45E-03	1.75E-03	5.89E-03	3.45E-04	1.75E-04	8.16E-03
6068	477097.27	3849654.41	0.00886	0.00739	0.0018	0.00237	1.45E-03	5.73E-03	3.43E-04	1.74E-04	7.70E-03	1.43E-03	2.48E-07	3.76E-06	5.10E-06	1.44E-03	1.73E-03	5.73E-03	3.43E-04	1.74E-04	7.98E-03
6069	477009.41	3849611.76	0.00876	0.00707	0.0018	0.00236	1.43E-03	5.48E-03	3.39E-04	1.74E-04	7.43E-03	1.41E-03	2.37E-07	3.72E-06	5.08E-06	1.42E-03	1.71E-03	5.48E-03	3.39E-04	1.74E-04	7.71E-03
6070	476841.49	3849530.08	0.00859	0.00668	0.0017	0.00234	1.40E-03	5.18E-03	3.35E-04	1.72E-04	7.09E-03	1.38E-03	2.24E-07	3.68E-06	5.04E-06	1.39E-03	1.68E-03	5.18E-03	3.35E-04	1.72E-04	7.37E-03
6071	476761.41	3849491.05	0.00852	0.00654	0.0017	0.00233	1.39E-03	5.07E-03	3.34E-04	1.72E-04	6.97E-03	1.37E-03	2.20E-07	3.66E-06	5.02E-06	1.38E-03	1.67E-03	5.07E-03	3.34E-04	1.72E-04	7.25E-03
6072	476681.34	3849452.02	0.00843	0.00635	0.0017	0.00232	1.38E-03	4.93E-03	3.32E-04	1.71E-04	6.81E-03	1.36E-03	2.13E-07	3.64E-06	4.99E-06	1.37E-03	1.65E-03	4.93E-03	3.32E-04	1.71E-04	7.08E-03
6073	476601.26	3849412.99	0.00835	0.00613	0.0017	0.00231	1.37E-03	4.76E-03	3.30E-04	1.70E-04	6.62E-03	1.35E-03	2.06E-07	3.61E-06	4.97E-06	1.35E-03	1.63E-03	4.76E-03	3.30E-04	1.70E-04	6.89E-03
6074	476456.32	3849353.67	0.0082	0.00566	0.0017	0.0023	1.34E-03	4.39E-03	3.26E-04	1.69E-04	6.23E-03	1.32E-03	1.90E-07	3.57E-06	4.95E-06	1.33E-03	1.60E-03	4.39E-03	3.26E-04	1.69E-04	6.49E-03
6075	476305.43	3849318.83	0.00816	0.0055	0.0017	0.0023	1.33E-03	4.27E-03	3.22E-04	1.69E-04	6.09E-03	1.31E-03	1.85E-07	3.53E-06	4.95E-06	1.32E-03	1.60E-03	4.27E-03	3.22E-04	1.69E-04	6.35E-03
6076	476129.36	3849289.99	0.00811	0.00522	0.0016	0.0023	1.33E-03	4.05E-03	3.18E-04	1.69E-04	5.86E-03	1.31E-03	1.75E-07	3.49E-06	4.95E-06	1.32E-03	1.59E-03	4.05E-03	3.18E-04	1.69E-04	6.12E-03
6077	476039.31	3849275.68	0.00809	0.0051	0.0016	0.0023	1.32E-03	3.96E-03	3.18E-04	1.69E-04	5.77E-03	1.30E-03	1.71E-07	3.49E-06	4.95E-06	1.31E-03	1.58E-03	3.96E-03	3.18E-04	1.69E-04	6.03E-03
6078	475949.26	3849261.38	0.00803	0.00488	0.0016	0.0023	1.31E-03	3.79E-03	3.16E-04	1.69E-04	5.58E-03	1.29E-03	1.64E-07	3.47E-06	4.95E-06	1.30E-03	1.57E-03	3.79E-03	3.16E-04	1.69E-04	5.84E-03
6079	475859.21	3849247.08	0.00801	0.00478	0.0016	0.0023	1.31E-03	3.71E-03	3.14E-04	1.69E-04	5.50E-03	1.29E-03	1.61E-07	3.44E-06	4.95E-06	1.30E-03	1.57E-03	3.71E-03	3.14E-04	1.69E-04	5.76E-03
6080	475769.16	3849232.77	0.00797	0.00466	0.0016	0.0023	1.30E-03	3.61E-03	3.12E-04	1.69E-04	5.40E-03	1.28E-03	1.57E-07	3.42E-06	4.95E-06	1.29E-03	1.56E-03	3.61E-03	3.12E-04	1.69E-04	5.66E-03
6081	475585.22	3849219.27	0.00742	0.00379	0.0016	0.00229	1.21E-03	2.94E-03	3.10E-04	1.69E-04	4.63E-03	1.20E-03	1.27E-07	3.40E-06	4.93E-06	1.20E-03	1.45E-03	2.94E-03	3.10E-04	1.69E-04	4.87E-03
6082	475444.49	3849150.35	0.00767	0.00417	0.0016	0.00228	1.25E-03	3.23E-03	3.08E-04	1.68E-04	4.97E-03	1.24E-03	1.40E-07	3.38E-06	4.91E-06	1.24E-03	1.50E-03	3.23E-03	3.08E-04	1.68E-04	5.21E-03
6083	475334.17	3849118.71	0.00768	0.00425	0.0016	0.00227	1.26E-03	3.30E-03	3.06E-04	1.67E-04	5.03E-03	1.24E-03	1.43E-07	3.36E-06	4.89E-06	1.25E-03	1.50E-03	3.30E-03	3.06E-04	1.67E-04	5.27E-03
6084	475230.47	3849060.56	0.00758	0.0042	0.0016	0.00226	1.24E-03	3.26E-03	3.04E-04	1.66E-04	4.97E-03	1.22E-03	1.41E-07	3.34E-06	4.87E-06	1.23E-03	1.48E-03	3.26E-03	3.04E-04	1.66E-04	5.21E-03
6085	475110.86	3848960.97	0.00739	0.0041	0.0016	0.00223	1.21E-03	3.18E-03	3.02E-04	1.64E-04	4.86E-03	1.19E-03	1.38E-07	3.32E-06	4.80E-06	1.20E-03	1.45E-03	3.18E-03	3.02E-04	1.64E-04	5.09E-03
6086	475037.79	3848896.28	0.00724	0.004	0.0016	0.00221	1.18E-03	3.10E-03	3.01E-04	1.63E-04	4.75E-03	1.17E-03	1.34E-07	3.30E-06	4.76E-06	1.17E-03	1.42E-03	3.10E-03	3.01E-04	1.63E-04	4.98E-03
6087	474964.72	3848831.59	0.00709	0.0039	0.0015	0.0022	1.16E-03	3.03E-03	2.99E-04	1.62E-04	4.65E-03	1.14E-03	1.31E-07	3.27E-06	4.74E-06	1.15E-03	1.39E-03	3.03E-03	2.99E-04	1.62E-04	4.87E-03
6088	474891.65	3848766.9	0.00698	0.00385	0.0015	0.00218	1.14E-03	2.99E-03	2.97E-04	1.61E-04	4.59E-03	1.12E-03	1.29E-07	3.25E-06	4.69E-06	1.13E-03	1.37E-03	2.99E-03	2.97E-04	1.61E-04	4.81E-03
6089	474818.58	3848702.21	0.00689	0.00382	0.0015	0.00217	1.13E-03	2.96E-03	2.95E-04	1.60E-04	4.54E-03	1.11E-03	1.28E-07	3.23E-06	4.67E-06	1.12E-03	1.35E-03	2.96E-03	2.95E-04	1.60E-04	4.77E-03
6090	474745.51	3848637.53	0.00687	0.00389	0.0015	0.00215	1.12E-03	3.02E-03	2.93E-04	1.58E-04	4.59E-03	1.11E-03	1.31E-07	3.21E-06	4.63E-06	1.11E-03	1.34E-03	3.02E-03	2.93E-04	1.58E-04	4.81E-03
6091	474672.44	3848572.84	0.00679	0.00389	0.0015	0.00214	1.11E-03	3.02E-03	2.91E-04	1.58E-04	4.58E-03	1.09E-03	1.31E-07	3.19E-06	4.61E-06	1.10E-03	1.33E-03	3.02E-03	2.91E-04	1.58E-04	4.79E-03
6092	474599.37	3848508.15	0.00667	0.0038	0.0015	0.00212	1.09E-03	2.95E-03	2.91E-04	1.56E-04	4.49E-03	1.07E-03	1.28E-07	3.19E-06	4.56E-06	1.08E-03	1.31E-03	2.95E-03	2.91E-04	1.56E-04	4.70E-03
6093	474526.3	3848443.46	0.00658	0.00376	0.0015	0.00211	1.08E-03	2.92E-03	2.89E-04	1.55E-04	4.44E-03	1.06E-03	1.26E-07	3.17E-06	4.54E-06	1.07E-03	1.29E-03	2.92E-03	2.89E-04	1.55E-04	4.65E-03

			2023 Mitigated					2048 Unmitigated					2048 Mitigated				
			1.93E-01	7.72E-05	2.13E-03	2.15E-03		2.01E-01	7.89E-01	1.94E-01	7.36E-02		2.01E-01	9.04E-05	2.13E-03	2.15E-03	
			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	6.25E-02	3.74E-06	1.45E-05	6.33E-05	6.25E-02	6.52E-02	3.82E-02	1.32E-03	2.16E-03	1.07E-01	6.50E-02	4.38E-06	1.45E-05	6.33E-05	6.51E-02
2	486023.61	3854936.51	6.11E-02	3.69E-06	1.52E-05	6.35E-05	6.12E-02	6.37E-02	3.77E-02	1.39E-03	2.17E-03	1.05E-01	6.36E-02	4.32E-06	1.52E-05	6.35E-05	6.37E-02
3	486073.61	3854936.51	6.03E-02	3.66E-06	1.62E-05	6.38E-05	6.04E-02	6.30E-02	3.74E-02	1.47E-03	2.18E-03	1.04E-01	6.28E-02	4.28E-06	1.62E-05	6.38E-05	6.29E-02
4	486123.61	3854936.51	5.81E-02	3.58E-06	1.70E-05	6.39E-05	5.82E-02	6.06E-02	3.65E-02	1.55E-03	2.19E-03	1.01E-01	6.05E-02	4.18E-06	1.70E-05	6.39E-05	6.06E-02
5	486173.61	3854936.51	5.82E-02	3.58E-06	1.76E-05	6.41E-05	5.83E-02	6.07E-02	3.66E-02	1.61E-03	2.19E-03	1.01E-01	6.06E-02	4.19E-06	1.76E-05	6.41E-05	6.07E-02
6	486223.61	3854936.51	5.69E-02	3.53E-06	1.82E-05	6.42E-05	5.70E-02	5.94E-02	3.61E-02	1.66E-03	2.19E-03	9.93E-02	5.93E-02	4.13E-06	1.82E-05	6.42E-05	5.94E-02
7	486273.61	3854936.51	5.61E-02	3.50E-06	1.86E-05	6.42E-05	5.62E-02	5.85E-02	3.58E-02	1.70E-03	2.20E-03	9.82E-02	5.84E-02	4.10E-06	1.86E-05	6.42E-05	5.85E-02
8	486323.61	3854936.51	5.54E-02	3.48E-06	1.89E-05	6.43E-05	5.55E-02	5.78E-02	3.55E-02	1.73E-03	2.20E-03	9.72E-02	5.77E-02	4.07E-06	1.89E-05	6.43E-05	5.78E-02
9	485973.61	3854986.51	7.43E-02	4.01E-06	1.42E-05	6.61E-05	7.44E-02	7.76E-02	4.10E-02	1.30E-03	2.26E-03	1.22E-01	7.74E-02	4.69E-06	1.42E-05	6.61E-05	7.75E-02
10	486023.61	3854986.51	7.27E-02	3.96E-06	1.48E-05	6.63E-05	7.28E-02	7.59E-02	4.05E-02	1.35E-03	2.27E-03	1.20E-01	7.57E-02	4.64E-06	1.48E-05	6.63E-05	7.58E-02
11	486073.61	3854986.51	7.06E-02	3.90E-06	1.57E-05	6.65E-05	7.07E-02	7.37E-02	3.99E-02	1.43E-03	2.28E-03	1.17E-01	7.36E-02	4.56E-06	1.57E-05	6.65E-05	7.37E-02
12	486123.61	3854986.51	6.88E-02	3.85E-06	1.67E-05	6.67E-05	6.88E-02	7.17E-02	3.93E-02	1.52E-03	2.28E-03	1.15E-01	7.16E-02	4.50E-06	1.67E-05	6.67E-05	7.17E-02
13	486173.61	3854986.51	6.79E-02	3.82E-06	1.74E-05	6.68E-05	6.80E-02	7.08E-02	3.91E-02	1.59E-03	2.29E-03	1.14E-01	7.07E-02	4.47E-06	1.74E-05	6.68E-05	7.08E-02
14	486223.61	3854986.51	6.60E-02	3.77E-06	1.81E-05	6.69E-05	6.61E-02	6.89E-02	3.85E-02	1.65E-03	2.29E-03	1.11E-01	6.87E-02	4.41E-06	1.81E-05	6.69E-05	6.88E-02
15	486273.61	3854986.51	6.40E-02	3.71E-06	1.86E-05	6.70E-05	6.41E-02	6.67E-02	3.79E-02	1.70E-03	2.29E-03	1.09E-01	6.66E-02	4.34E-06	1.86E-05	6.70E-05	6.67E-02
16	486323.61	3854986.51	6.41E-02	3.72E-06	1.90E-05	6.71E-05	6.42E-02	6.69E-02	3.80E-02	1.73E-03	2.29E-03	1.09E-01	6.68E-02	4.35E-06	1.90E-05	6.71E-05	6.69E-02
17	485973.61	3855036.51	8.84E-02	4.30E-06	1.41E-05	6.91E-05	8.84E-02	9.22E-02	4.39E-02	1.29E-03	2.36E-03	1.40E-01	9.20E-02	5.03E-06	1.41E-05	6.91E-05	9.21E-02
18	486023.61	3855036.51	8.56E-02	4.24E-06	1.46E-05	6.94E-05	8.57E-02	8.93E-02	4.33E-02	1.33E-03	2.37E-03	1.36E-01	8.91E-02	4.96E-06	1.46E-05	6.94E-05	8.92E-02
19	486073.61	3855036.51	8.22E-02	4.16E-06	1.53E-05	6.95E-05	8.23E-02	8.58E-02	4.25E-02	1.40E-03	2.38E-03	1.32E-01	8.56E-02	4.86E-06	1.53E-05	6.95E-05	8.57E-02
20	486123.61	3855036.51	7.98E-02	4.10E-06	1.63E-05	6.97E-05	7.98E-02	8.32E-02	4.19E-02	1.48E-03	2.38E-03	1.29E-01	8.31E-02	4.79E-06	1.63E-05	6.97E-05	8.31E-02
21	486173.61	3855036.51	7.85E-02	4.07E-06	1.71E-05	6.98E-05	7.86E-02	8.19E-02	4.16E-02	1.56E-03	2.39E-03	1.27E-01	8.18E-02	4.77E-06	1.71E-05	6.98E-05	8.19E-02
22	486223.61	3855036.51	7.56E-02	4.00E-06	1.79E-05	6.99E-05	7.57E-02	7.88E-02	4.09E-02	1.63E-03	2.39E-03	1.24E-01	7.87E-02	4.68E-06	1.79E-05	6.99E-05	7.88E-02
23	486273.61	3855036.51	7.47E-02	3.99E-06	1.85E-05	7.00E-05	7.48E-02	7.80E-02	4.07E-02	1.69E-03	2.39E-03	1.23E-01	7.78E-02	4.66E-06	1.85E-05	7.00E-05	7.79E-02
24	486323.61	3855036.51	7.27E-02	3.94E-06	1.90E-05	7.00E-05	7.28E-02	7.58E-02	4.02E-02	1.73E-03	2.39E-03	1.20E-01	7.57E-02	4.60E-06	1.90E-05	7.00E-05	7.58E-02
25	485973.61	3855086.51	1.04E-01	4.60E-06	1.42E-05	7.24E-05	1.04E-01	1.08E-01	4.70E-02	1.29E-03	2.48E-03	1.59E-01	1.08E-01	5.38E-06	1.42E-05	7.24E-05	1.08E-01
26	486023.61	3855086.51	1.01E-01	4.54E-06	1.44E-05	7.26E-05	1.01E-01	1.05E-01	4.64E-02	1.31E-03	2.48E-03	1.55E-01	1.05E-01	5.31E-06	1.44E-05	7.26E-05	1.05E-01
27	486073.61	3855086.51	9.59E-02	4.44E-06	1.50E-05	7.28E-05	9.60E-02	1.00E-01	4.54E-02	1.37E-03	2.49E-03	1.49E-01	9.98E-02	5.20E-06	1.50E-05	7.28E-05	9.99E-02
28	486123.61	3855086.51	9.33E-02	4.40E-06	1.57E-05	7.30E-05	9.34E-02	9.74E-02	4.49E-02	1.43E-03	2.50E-03	1.46E-01	9.72E-02	5.15E-06	1.57E-05	7.30E-05	9.73E-02
29	486173.61	3855086.51	8.96E-02	4.32E-06	1.68E-05	7.31E-05	8.97E-02	9.35E-02	4.41E-02	1.53E-03	2.50E-03	1.42E-01	9.33E-02	5.05E-06	1.68E-05	7.31E-05	9.34E-02
30	486223.61	3855086.51	8.73E-02	4.28E-06	1.76E-05	7.32E-05	8.74E-02	9.11E-02	4.37E-02	1.61E-03	2.50E-03	1.39E-01	9.09E-02	5.00E-06	1.76E-05	7.32E-05	9.10E-02
31	485973.61	3855136.51	1.22E-01	4.93E-06	1.42E-05	7.60E-05	1.22E-01	1.27E-01	5.04E-02	1.30E-03	2.60E-03	1.81E-01	1.27E-01	5.77E-06	1.42E-05	7.60E-05	1.27E-01
32	486023.61	3855136.51	1.17E-01	4.85E-06	1.44E-05	7.62E-05	1.17E-01	1.22E-01	4.96E-02	1.31E-03	2.61E-03	1.75E-01	1.21E-01	5.68E-06	1.44E-05	7.62E-05	1.21E-01
33	486073.61	3855136.51	1.12E-01	4.77E-06	1.47E-05	7.64E-05	1.12E-01	1.16E-01	4.87E-02	1.34E-03	2.61E-03	1.69E-01	1.16E-01	5.58E-06	1.47E-05	7.64E-05	1.16E-01
34	486123.61	3855136.51	1.07E-01	4.70E-06	1.54E-05	7.66E-05	1.08E-01	1.12E-01	4.80E-02	1.40E-03	2.62E-03	1.64E-01	1.12E-01	5.49E-06	1.54E-05	7.66E-05	1.12E-01
35	486173.61	3855136.51	1.03E-01	4.62E-06	1.62E-05	7.67E-05	1.03E-01	1.08E-01	4.72E-02	1.48E-03	2.62E-03	1.59E-01	1.07E-01	5.40E-06	1.62E-05	7.67E-05	1.08E-01
36	486223.61	3855136.51	9.96E-02	4.55E-06	1.72E-05	7.67E-05	9.97E-02	1.04E-01	4.65E-02	1.57E-03	2.62E-03	1.55E-01	1.04E-01	5.33E-06	1.72E-05	7.67E-05	1.04E-01
37	485973.61	3855186.51	1.41E-01	5.29E-06	1.44E-05	8.00E-05	1.42E-01	1.48E-01	5.41E-02	1.31E-03	2.73E-03	2.06E-01	1.47E-01	6.19E-06	1.44E-05	8.00E-05	1.47E-01
38	486023.61	3855186.51	1.35E-01	5.21E-06	1.44E-05	8.02E-05	1.35E-01	1.41E-01	5.32E-02	1.31E-03	2.74E-03	1.98E-01	1.41E-01	6.09E-06	1.44E-05	8.02E-05	1.41E-01
39	486073.61	3855186.51	1.28E-01	5.09E-06	1.46E-05	8.04E-05	1.28E-01	1.34E-01	5.20E-02	1.33E-03	2.75E-03	1.90E-01	1.33E-01	5.95E-06	1.46E-05	8.04E-05	1.33E-01
40	486123.61	3855186.51	1.22E-01	4.98E-06	1.51E-05	8.05E-05	1.22E-01	1.27E-01	5.09E-02	1.38E-03	2.75E-03	1.82E-01	1.27E-01	5.83E-06	1.51E-05	8.05E-05	1.27E-01
41	486173.61	3855186.51	1.17E-01	4.91E-06	1.58E-05	8.05E-05	1.17E-01	1.22E-01	5.01E-02	1.44E-03	2.75E-03	1.76E-01	1.22E-01	5.74E-06	1.58E-05	8.05E-05	1.22E-01
42	486223.61	3855186.51	1.12E-01	4.83E-06	1.68E-05	8.04E-05	1.12E-01	1.17E-01	4.94E-02	1.53E-03	2.75E-03	1.71E-01	1.17E-01	5.65E-06	1.68E-05	8.04E-05	1.17E-01
43	486273.61	3855186.51	1.08E-01	4.75E-06	1.78E-05	8.02E-05	1.08E-01	1.13E-01	4.86E-02	1.62E-03	2.74E-03	1.65E-01	1.12E-01	5.56E-06	1.78E-05	8.02E-05	1.12E-01
44	486323.61	3855186.51	1.07E-01	4.78E-06	1.84E-05	7.98E-05	1.07E-01	1.12E-01	4.88E-02	1.68E-03	2.73E-03	1.65E-01	1.12E-01	5.59E-06	1.84E-05	7.98E-05	1.12E-01
45	485973.61	3855236.51	1.63E-01	5.66E-06	1.46E-05	8.43E-05	1.63E-01	1.70E-01	5.79E-02	1.33E-03	2.88E-03	2.32E-01	1.69E-01	6.63E-06	1.46E-05	8.43E-05	1.69E-01
46	486023.61	3855236.51	1.53E-01	5.53E-06	1.46E-05	8.45E-05	1.53E-01	1.60E-01	5.65E-02	1.33E-03	2.89E-03	2.21E-01	1.60E-01	6.47E-06	1.46E-05	8.45E-05	1.60E-01
47	486073.61	3855236.51	1.45E-01	5.40E-06	1.47E-05	8.46E-05	1.45E-01	1.51E-01	5.51E-02	1.34E-03	2.89E-03	2.10E-01	1.51E-01	6.32E-06	1.47E-05	8.46E-05	1.51E-01
48	486123.61	3855236.51	1.38E-01	5.30E-06	1.50E-05	8.46E-05	1.38E-01	1.44E-01	5.42E-02	1.37E-03	2.89E-03	2.02E-01	1.44E-01	6.20E-06	1.50E-05	8.46E-05	1.44E-01
49	486173.61	3855236.51	1.32E-01	5.22E-06	1.55E-05	8.44E-05	1.32E-01	1.38E-01	5.33E-02	1.41E-03	2.89E-03	1.95E-01	1.37E-01	6.10E-06	1.55E-05	8.44E-05	1.37E-01
50	486223.61	3855236.51	1.26E-01	5.13E-06	1.64E-05	8.41E-05	1.26E-01	1.32E-01	5.24E-02	1.49E-03	2.88E-03	1.88E-01	1.31E-01	6.00E-06	1.64E-05	8.41E-05	1.31E-01
51	486273.61	3855236.51	1.19E-01	5.00E-06	1.75E-05	8.37E-05	1.19E-01	1.24E-01	5.10E-02	1.60E-03	2.86E-03	1.79E-01	1.24E-01	5.85E-06	1.75E-05	8.37E-05	1.24E-01
52	486323.61	3855236.51	1.20E-01	5.06E-06	1.81E-05	8.31E-05	1.20E-01	1.25E-01	5.17E-02	1.65E-03	2.84E-03	1.81E-01	1.25E-01	5.92E-06	1.81E-05	8.31E-05	1.25E-01
53	485973.61	3855286.51	1.85E-01	6.04E-06	1.48E-05	8.89E-05	1.85E-01	1.93E-01	6.17E-02	1.35E-03	3.04E-03	2.59E-01	1.93E-01	7.07E-06	1.48E-05	8.89E-05	1.93E-01
54	486023.61	3855286.51	1.73E-01	5.89E-06	1.48E-05	8.90E-05	1.74E-01	1.81E-01	6.01E-02	1.35E-03	3.04E-03	2.45E-01	1.81E-01	6.89E-06	1.48E-05	8.90E-05	1.81E-01
55	486073.61	3855286.51	1.64E-01	5.76E-06	1.48E-05	8.89E-05	1.64E-01	1.71E-01	5.88E-02	1.35E-03	3.04E-03	2.34E-01	1.71E-01	6.74E-06	1.48E-05	8.89E-05	1.71E-01
56	486123.61	3855286.51	1.54E-01	5.63E-06	1.50E-05	8.87E-05	1.55E-01	1.61E-01	5.75E-02	1.37E-03	3.03E-03	2.23E-01	1.61E-01	6.58E-06	1.50E-05	8.87E-05	1.61E-01
57	486173.61	3855286.51	1.47E-01	5.51E-06	1.54E-05	8.83E-05	1.47E-01	1.53E-01	5.63E-02	1.40E-03	3.02E-03	2.14E-01	1.53E-01	6.45E-06	1.54E-05	8.83E-05	1.53E-01

58	486223.61	3855286.51	1.41E-01	5.44E-06	1.60E-05	8.78E-05	1.41E-01	1.47E-01	5.55E-02	1.46E-03	3.00E-03	2.07E-01	1.46E-01	6.36E-06	1.60E-05	8.78E-05	1.47E-01
59	486123.61	3855336.51	1.72E-01	5.96E-06	1.51E-05	9.28E-05	1.72E-01	1.80E-01	6.09E-02	1.38E-03	3.17E-03	2.45E-01	1.79E-01	6.98E-06	1.51E-05	9.28E-05	1.79E-01
60	486173.61	3855336.51	1.64E-01	5.86E-06	1.53E-05	9.21E-05	1.64E-01	1.71E-01	5.99E-02	1.39E-03	3.15E-03	2.36E-01	1.71E-01	6.86E-06	1.53E-05	9.21E-05	1.71E-01
61	486223.61	3855336.51	1.56E-01	5.76E-06	1.58E-05	9.14E-05	1.56E-01	1.63E-01	5.88E-02	1.44E-03	3.13E-03	2.26E-01	1.62E-01	6.74E-06	1.58E-05	9.14E-05	1.63E-01
62	486123.61	3855386.51	1.92E-01	6.33E-06	1.53E-05	9.68E-05	1.92E-01	2.00E-01	6.47E-02	1.40E-03	3.31E-03	2.69E-01	1.99E-01	7.41E-06	1.53E-05	9.68E-05	2.00E-01
63	486173.61	3855386.51	1.82E-01	6.22E-06	1.54E-05	9.60E-05	1.82E-01	1.90E-01	6.35E-02	1.40E-03	3.28E-03	2.58E-01	1.89E-01	7.28E-06	1.54E-05	9.60E-05	1.89E-01
64	486223.61	3855386.51	1.73E-01	6.12E-06	1.56E-05	9.52E-05	1.73E-01	1.81E-01	6.25E-02	1.43E-03	3.25E-03	2.48E-01	1.81E-01	7.16E-06	1.56E-05	9.52E-05	1.81E-01
65	486533.18	3855443.15	1.51E-01	6.03E-06	2.03E-05	9.47E-05	1.51E-01	1.58E-01	6.16E-02	1.85E-03	3.24E-03	2.24E-01	1.57E-01	7.06E-06	2.03E-05	9.47E-05	1.57E-01
66	486583.18	3855443.15	1.45E-01	5.95E-06	2.09E-05	9.40E-05	1.45E-01	1.52E-01	6.07E-02	1.91E-03	3.21E-03	2.17E-01	1.51E-01	6.96E-06	2.09E-05	9.40E-05	1.51E-01
67	486633.18	3855443.15	1.40E-01	5.86E-06	2.14E-05	9.33E-05	1.40E-01	1.46E-01	5.99E-02	1.95E-03	3.19E-03	2.11E-01	1.46E-01	6.86E-06	2.14E-05	9.33E-05	1.46E-01
68	486683.18	3855443.15	1.36E-01	5.81E-06	2.17E-05	9.26E-05	1.36E-01	1.42E-01	5.94E-02	1.98E-03	3.17E-03	2.06E-01	1.41E-01	6.80E-06	2.17E-05	9.26E-05	1.42E-01
69	486533.18	3855493.15	1.64E-01	6.36E-06	2.01E-05	9.90E-05	1.64E-01	1.71E-01	6.50E-02	1.83E-03	3.38E-03	2.41E-01	1.71E-01	7.44E-06	2.01E-05	9.90E-05	1.71E-01
70	486583.18	3855493.15	1.58E-01	6.28E-06	2.08E-05	9.81E-05	1.58E-01	1.65E-01	6.41E-02	1.90E-03	3.36E-03	2.34E-01	1.64E-01	7.35E-06	2.08E-05	9.81E-05	1.64E-01
71	486633.18	3855493.15	1.52E-01	6.19E-06	2.14E-05	9.73E-05	1.52E-01	1.58E-01	6.33E-02	1.95E-03	3.33E-03	2.27E-01	1.58E-01	7.24E-06	2.14E-05	9.73E-05	1.58E-01
72	486683.18	3855493.15	1.46E-01	6.11E-06	2.18E-05	9.65E-05	1.46E-01	1.53E-01	6.24E-02	1.99E-03	3.30E-03	2.20E-01	1.52E-01	7.15E-06	2.18E-05	9.65E-05	1.52E-01
73	486533.18	3855543.15	1.78E-01	6.73E-06	1.98E-05	1.03E-04	1.78E-01	1.86E-01	6.87E-02	1.81E-03	3.54E-03	2.60E-01	1.85E-01	7.87E-06	1.98E-05	1.03E-04	1.85E-01
74	486583.18	3855543.15	1.69E-01	6.60E-06	2.07E-05	1.02E-04	1.70E-01	1.77E-01	6.74E-02	1.89E-03	3.50E-03	2.50E-01	1.76E-01	7.72E-06	2.07E-05	1.02E-04	1.77E-01
75	486633.18	3855543.15	1.63E-01	6.51E-06	2.14E-05	1.01E-04	1.63E-01	1.70E-01	6.65E-02	1.95E-03	3.47E-03	2.42E-01	1.70E-01	7.62E-06	2.14E-05	1.01E-04	1.70E-01
76	486683.18	3855543.15	1.56E-01	6.38E-06	2.19E-05	1.00E-04	1.56E-01	1.62E-01	6.52E-02	2.00E-03	3.44E-03	2.33E-01	1.62E-01	7.47E-06	2.19E-05	1.00E-04	1.62E-01
77	486533.18	3855593.15	1.92E-01	7.09E-06	1.95E-05	1.08E-04	1.92E-01	2.00E-01	7.24E-02	1.77E-03	3.69E-03	2.78E-01	2.00E-01	8.29E-06	1.95E-05	1.08E-04	2.00E-01
78	486583.18	3855593.15	1.83E-01	6.96E-06	2.05E-05	1.07E-04	1.83E-01	1.91E-01	7.11E-02	1.87E-03	3.65E-03	2.68E-01	1.91E-01	8.14E-06	2.05E-05	1.07E-04	1.91E-01
79	486633.18	3855593.15	1.75E-01	6.85E-06	2.13E-05	1.06E-04	1.76E-01	1.83E-01	7.00E-02	1.94E-03	3.61E-03	2.59E-01	1.83E-01	8.01E-06	2.13E-05	1.06E-04	1.83E-01
80	486683.18	3855593.15	1.69E-01	6.76E-06	2.19E-05	1.04E-04	1.69E-01	1.76E-01	6.91E-02	2.00E-03	3.57E-03	2.51E-01	1.76E-01	7.91E-06	2.19E-05	1.04E-04	1.76E-01
81	486533.18	3855643.15	2.07E-01	7.47E-06	1.89E-05	1.13E-04	2.07E-01	2.16E-01	7.64E-02	1.73E-03	3.85E-03	2.97E-01	2.15E-01	8.74E-06	1.89E-05	1.13E-04	2.15E-01
82	486583.18	3855643.15	1.97E-01	7.35E-06	2.02E-05	1.11E-04	1.97E-01	2.06E-01	7.51E-02	1.84E-03	3.80E-03	2.87E-01	2.06E-01	8.60E-06	2.02E-05	1.11E-04	2.06E-01
83	486633.18	3855643.15	1.89E-01	7.22E-06	2.11E-05	1.10E-04	1.89E-01	1.97E-01	7.38E-02	1.92E-03	3.76E-03	2.76E-01	1.97E-01	8.45E-06	2.11E-05	1.10E-04	1.97E-01
84	486683.18	3855643.15	1.81E-01	7.11E-06	2.19E-05	1.08E-04	1.81E-01	1.89E-01	7.27E-02	1.99E-03	3.71E-03	2.67E-01	1.89E-01	8.32E-06	2.19E-05	1.08E-04	1.89E-01
85	486533.18	3855693.15	2.23E-01	7.91E-06	1.85E-05	1.17E-04	2.24E-01	2.33E-01	8.08E-02	1.69E-03	4.01E-03	3.20E-01	2.33E-01	9.25E-06	1.85E-05	1.17E-04	2.33E-01
86	486583.18	3855693.15	2.11E-01	7.72E-06	1.97E-05	1.16E-04	2.11E-01	2.20E-01	7.89E-02	1.80E-03	3.95E-03	3.05E-01	2.20E-01	9.04E-06	1.97E-05	1.16E-04	2.20E-01
87	486633.18	3855693.15	2.00E-01	7.54E-06	2.10E-05	1.14E-04	2.00E-01	2.08E-01	7.70E-02	1.91E-03	3.90E-03	2.91E-01	2.08E-01	8.82E-06	2.10E-05	1.14E-04	2.08E-01
88	486683.18	3855693.15	1.94E-01	7.48E-06	2.18E-05	1.12E-04	1.94E-01	2.02E-01	7.64E-02	1.98E-03	3.84E-03	2.84E-01	2.02E-01	8.75E-06	2.18E-05	1.12E-04	2.02E-01
89	486733.18	3855693.15	1.90E-01	7.46E-06	2.23E-05	1.11E-04	1.90E-01	1.98E-01	7.63E-02	2.03E-03	3.78E-03	2.80E-01	1.98E-01	8.73E-06	2.23E-05	1.11E-04	1.98E-01
90	486783.18	3855693.15	1.87E-01	7.48E-06	2.26E-05	1.09E-04	1.87E-01	1.95E-01	7.64E-02	2.07E-03	3.73E-03	2.77E-01	1.95E-01	8.75E-06	2.26E-05	1.09E-04	1.95E-01
91	486533.18	3855743.15	2.40E-01	8.33E-06	1.82E-05	1.22E-04	2.40E-01	2.50E-01	8.51E-02	1.66E-03	4.16E-03	3.41E-01	2.50E-01	9.75E-06	1.82E-05	1.22E-04	2.50E-01
92	486583.18	3855743.15	2.25E-01	8.09E-06	1.93E-05	1.20E-04	2.25E-01	2.34E-01	8.26E-02	1.76E-03	4.10E-03	3.23E-01	2.34E-01	9.46E-06	1.93E-05	1.20E-04	2.34E-01
93	486633.18	3855743.15	2.14E-01	7.93E-06	2.06E-05	1.18E-04	2.14E-01	2.23E-01	8.11E-02	1.88E-03	4.04E-03	3.10E-01	2.23E-01	9.28E-06	2.06E-05	1.18E-04	2.23E-01
94	486683.18	3855743.15	2.09E-01	7.90E-06	2.15E-05	1.16E-04	2.09E-01	2.18E-01	8.07E-02	1.96E-03	3.97E-03	3.04E-01	2.17E-01	9.24E-06	2.15E-05	1.16E-04	2.17E-01
95	486733.18	3855743.15	2.02E-01	7.83E-06	2.22E-05	1.14E-04	2.02E-01	2.11E-01	8.00E-02	2.03E-03	3.90E-03	2.97E-01	2.10E-01	9.16E-06	2.22E-05	1.14E-04	2.10E-01
96	486783.18	3855743.15	2.00E-01	7.87E-06	2.27E-05	1.12E-04	2.00E-01	2.09E-01	8.04E-02	2.07E-03	3.84E-03	2.95E-01	2.08E-01	9.21E-06	2.27E-05	1.12E-04	2.08E-01
97	486533.18	3855793.15	2.57E-01	8.78E-06	1.80E-05	1.26E-04	2.58E-01	2.69E-01	8.98E-02	1.64E-03	4.31E-03	3.64E-01	2.68E-01	1.03E-05	1.80E-05	1.26E-04	2.68E-01
98	486583.18	3855793.15	2.37E-01	8.44E-06	1.91E-05	1.24E-04	2.38E-01	2.48E-01	8.63E-02	1.74E-03	4.24E-03	3.40E-01	2.47E-01	9.88E-06	1.91E-05	1.24E-04	2.47E-01
99	486633.18	3855793.15	2.31E-01	8.40E-06	2.00E-05	1.22E-04	2.31E-01	2.41E-01	8.58E-02	1.83E-03	4.16E-03	3.33E-01	2.40E-01	9.82E-06	2.00E-05	1.22E-04	2.40E-01
100	486683.18	3855793.15	2.25E-01	8.36E-06	2.11E-05	1.19E-04	2.25E-01	2.35E-01	8.54E-02	1.92E-03	4.08E-03	3.26E-01	2.34E-01	9.78E-06	2.11E-05	1.19E-04	2.34E-01
101	486733.18	3855793.15	2.18E-01	8.30E-06	2.20E-05	1.17E-04	2.18E-01	2.28E-01	8.48E-02	2.00E-03	4.01E-03	3.19E-01	2.27E-01	9.71E-06	2.20E-05	1.17E-04	2.27E-01
102	486783.18	3855793.15	2.13E-01	8.26E-06	2.26E-05	1.15E-04	2.13E-01	2.22E-01	8.44E-02	2.06E-03	3.94E-03	3.12E-01	2.22E-01	9.66E-06	2.26E-05	1.15E-04	2.22E-01
103	486533.18	3855843.15	2.73E-01	9.18E-06	1.81E-05	1.30E-04	2.73E-01	2.85E-01	9.38E-02	1.65E-03	4.44E-03	3.84E-01	2.84E-01	1.07E-05	1.81E-05	1.30E-04	2.84E-01
104	486583.18	3855843.15	2.55E-01	8.90E-06	1.88E-05	1.27E-04	2.55E-01	2.66E-01	9.09E-02	1.72E-03	4.36E-03	3.63E-01	2.65E-01	1.04E-05	1.88E-05	1.27E-04	2.65E-01
105	486633.18	3855843.15	2.48E-01	8.85E-06	1.96E-05	1.25E-04	2.48E-01	2.58E-01	9.04E-02	1.79E-03	4.27E-03	3.55E-01	2.58E-01	1.04E-05	1.96E-05	1.25E-04	2.58E-01
106	486683.18	3855843.15	2.41E-01	8.81E-06	2.06E-05	1.22E-04	2.41E-01	2.51E-01	9.00E-02	1.88E-03	4.18E-03	3.47E-01	2.51E-01	1.03E-05	2.06E-05	1.22E-04	2.51E-01
107	486733.18	3855843.15	2.34E-01	8.77E-06	2.16E-05	1.20E-04	2.34E-01	2.44E-01	8.96E-02	1.97E-03	4.10E-03	3.40E-01	2.44E-01	1.03E-05	2.16E-05	1.20E-04	2.44E-01
108	486783.18	3855843.15	2.28E-01	8.71E-06	2.25E-05	1.18E-04	2.28E-01	2.37E-01	8.90E-02	2.05E-03	4.02E-03	3.33E-01	2.37E-01	1.02E-05	2.25E-05	1.18E-04	2.37E-01
109	486533.18	3855893.15	2.84E-01	9.48E-06	1.85E-05	1.33E-04	2.85E-01	2.97E-01	9.68E-02	1.69E-03	4.55E-03	4.00E-01	2.96E-01	1.11E-05	1.85E-05	1.33E-04	2.96E-01
110	486583.18	3855893.15	2.75E-01	9.40E-06	1.87E-05	1.30E-04	2.75E-01	2.87E-01	9.61E-02	1.71E-03	4.45E-03	3.89E-01	2.86E-01	1.10E-05	1.87E-05	1.30E-04	2.86E-01
111	486633.18	3855893.15	2.65E-01	9.32E-06	1.93E-05	1.27E-04	2.65E-01	2.77E-01	9.52E-02	1.76E-03	4.36E-03	3.78E-01	2.76E-01	1.09E-05	1.93E-05	1.27E-04	2.76E-01
112	486683.18	3855893.15	2.57E-01	9.27E-06	2.01E-05	1.25E-04	2.58E-01	2.69E-01	9.47E-02	1.84E-03	4.26E-03	3.69E-01	2.68E-01	1.08E-05	2.01E-05	1.25E-04	2.68E-01
113	486733.18	3855893.15	2.50E-01	9.22E-06	2.11E-05	1.22E-04	2.50E-01	2.61E-01	9.42E-02	1.93E-03	4.17E-03	3.61E-01	2.60E-01	1.08E-05	2.11E-05	1.22E-04	2.61E-01
114	486783.18	3855893.15	2.44E-01	9.19E-06	2.21E-05	1.19E-04	2.44E-01	2.55E-01	9.39E-02	2.01E-03	4.08E-03	3.55E-01	2.54E-01	1.08E-05	2.21E-05	1.19E-04	2.54E-01
115	486533.18	3855943.15	3.04E-01	9.94E-06	1.88E-05	1.36E-04	3.04E-01	3.17E-01	1.02E-01	1.71E-03	4.64E-03	4.25E-01	3.16E-01	1.16E-05	1.88E-05	1.36E-04	3.16E-01
116	486583.18	3855943.15	2.96E-01	9.93E-06	1.88E-05	1.32E-04	2.96E-01	3.09E-01	1.01E-01	1.71E-03	4.52E-03	4.17E-01	3.08E-01	1.16E-05	1.88E-05	1.32E-04	3.08E-01
117	486633.18	3855943.15	2.84E-01	9.81E-06	1.92E-05	1.29E-04	2.84E-01	2.96E-01	1.00E-01	1.75E-03	4.42E-03	4.03E-01	2.96E-01	1.15E-05	1.92E-05	1.29E-04	2.96E-01
118	486683.18	3855943.15	2.76E-01	9.78E-06	1.98E-05	1.26E-04	2.77E-01	2.88E-01	9.99E-02	1.81E-03	4.32E-03	3.94E-01	2.88E-01	1.14E-05	1.98E-05	1.26E-04	2.88E-01

119	486733.18	3855943.15	2.67E-01	9.69E-06	2.07E-05	1.23E-04	2.67E-01	2.79E-01	9.90E-02	1.89E-03	4.22E-03	3.84E-01	2.78E-01	1.13E-05	2.07E-05	1.23E-04	2.78E-01
120	486783.18	3855943.15	2.60E-01	9.67E-06	2.16E-05	1.21E-04	2.61E-01	2.72E-01	9.88E-02	1.97E-03	4.12E-03	3.77E-01	2.71E-01	1.13E-05	2.16E-05	1.21E-04	2.71E-01
121	486533.18	3855993.15	3.28E-01	1.05E-05	1.91E-05	1.37E-04	3.28E-01	3.42E-01	1.07E-01	1.74E-03	4.69E-03	4.55E-01	3.41E-01	1.23E-05	1.91E-05	1.37E-04	3.41E-01
122	486583.18	3855993.15	3.16E-01	1.04E-05	1.91E-05	1.34E-04	3.16E-01	3.30E-01	1.06E-01	1.74E-03	4.57E-03	4.43E-01	3.29E-01	1.22E-05	1.91E-05	1.34E-04	3.29E-01
123	486633.18	3855993.15	3.05E-01	1.03E-05	1.92E-05	1.30E-04	3.05E-01	3.18E-01	1.05E-01	1.75E-03	4.46E-03	4.30E-01	3.17E-01	1.21E-05	1.92E-05	1.30E-04	3.17E-01
124	486683.18	3855993.15	2.96E-01	1.03E-05	1.96E-05	1.27E-04	2.96E-01	3.08E-01	1.05E-01	1.79E-03	4.35E-03	4.20E-01	3.08E-01	1.20E-05	1.96E-05	1.27E-04	3.08E-01
125	486733.18	3855993.15	2.86E-01	1.02E-05	2.04E-05	1.24E-04	2.86E-01	2.98E-01	1.04E-01	1.86E-03	4.25E-03	4.08E-01	2.97E-01	1.19E-05	2.04E-05	1.24E-04	2.97E-01
126	486783.18	3855993.15	2.77E-01	1.01E-05	2.13E-05	1.21E-04	2.77E-01	2.89E-01	1.04E-01	1.94E-03	4.15E-03	3.99E-01	2.88E-01	1.19E-05	2.13E-05	1.21E-04	2.89E-01
127	486533.18	3856043.15	3.53E-01	1.10E-05	1.94E-05	1.38E-04	3.53E-01	3.68E-01	1.13E-01	1.77E-03	4.73E-03	4.87E-01	3.67E-01	1.29E-05	1.94E-05	1.38E-04	3.68E-01
128	486583.18	3856043.15	3.41E-01	1.10E-05	1.93E-05	1.35E-04	3.41E-01	3.56E-01	1.12E-01	1.76E-03	4.60E-03	4.74E-01	3.55E-01	1.28E-05	1.93E-05	1.35E-04	3.55E-01
129	486633.18	3856043.15	3.27E-01	1.08E-05	1.94E-05	1.31E-04	3.27E-01	3.41E-01	1.11E-01	1.77E-03	4.48E-03	4.58E-01	3.40E-01	1.27E-05	1.94E-05	1.31E-04	3.40E-01
130	486683.18	3856043.15	3.17E-01	1.08E-05	1.96E-05	1.28E-04	3.17E-01	3.31E-01	1.10E-01	1.79E-03	4.37E-03	4.47E-01	3.30E-01	1.26E-05	1.96E-05	1.28E-04	3.30E-01
131	486733.18	3856043.15	3.05E-01	1.07E-05	2.02E-05	1.25E-04	3.05E-01	3.18E-01	1.09E-01	1.84E-03	4.26E-03	4.33E-01	3.17E-01	1.25E-05	2.02E-05	1.25E-04	3.17E-01
132	486783.18	3856043.15	2.96E-01	1.07E-05	2.09E-05	1.22E-04	2.97E-01	3.09E-01	1.09E-01	1.91E-03	4.16E-03	4.24E-01	3.09E-01	1.25E-05	2.09E-05	1.22E-04	3.09E-01
133	486533.18	3856093.15	3.83E-01	1.16E-05	1.96E-05	1.39E-04	3.83E-01	3.99E-01	1.19E-01	1.79E-03	4.74E-03	5.24E-01	3.99E-01	1.36E-05	1.96E-05	1.39E-04	3.99E-01
134	486583.18	3856093.15	3.67E-01	1.15E-05	1.96E-05	1.35E-04	3.67E-01	3.82E-01	1.18E-01	1.79E-03	4.61E-03	5.06E-01	3.82E-01	1.35E-05	1.96E-05	1.35E-04	3.82E-01
135	486633.18	3856093.15	3.51E-01	1.14E-05	1.97E-05	1.31E-04	3.51E-01	3.67E-01	1.16E-01	1.80E-03	4.49E-03	4.89E-01	3.66E-01	1.33E-05	1.97E-05	1.31E-04	3.66E-01
136	486683.18	3856093.15	3.39E-01	1.13E-05	1.98E-05	1.28E-04	3.39E-01	3.54E-01	1.16E-01	1.81E-03	4.38E-03	4.76E-01	3.53E-01	1.33E-05	1.98E-05	1.28E-04	3.53E-01
137	486733.18	3856093.15	3.26E-01	1.12E-05	2.02E-05	1.25E-04	3.26E-01	3.40E-01	1.15E-01	1.84E-03	4.27E-03	4.61E-01	3.40E-01	1.32E-05	2.02E-05	1.25E-04	3.40E-01
138	486783.18	3856093.15	3.16E-01	1.12E-05	2.08E-05	1.22E-04	3.16E-01	3.29E-01	1.14E-01	1.89E-03	4.16E-03	4.50E-01	3.29E-01	1.31E-05	2.08E-05	1.22E-04	3.29E-01
139	486533.18	3856143.15	4.14E-01	1.22E-05	1.97E-05	1.39E-04	4.14E-01	4.32E-01	1.24E-01	1.80E-03	4.74E-03	5.63E-01	4.31E-01	1.43E-05	1.97E-05	1.39E-04	4.31E-01
140	486583.18	3856143.15	3.93E-01	1.20E-05	2.00E-05	1.35E-04	3.93E-01	4.10E-01	1.23E-01	1.82E-03	4.61E-03	5.40E-01	4.10E-01	1.41E-05	2.00E-05	1.35E-04	4.10E-01
141	486633.18	3856143.15	3.78E-01	1.20E-05	2.00E-05	1.31E-04	3.78E-01	3.94E-01	1.22E-01	1.83E-03	4.49E-03	5.23E-01	3.93E-01	1.40E-05	2.00E-05	1.31E-04	3.94E-01
142	486683.18	3856143.15	3.63E-01	1.19E-05	2.01E-05	1.28E-04	3.63E-01	3.79E-01	1.21E-01	1.83E-03	4.37E-03	5.06E-01	3.78E-01	1.39E-05	2.01E-05	1.28E-04	3.78E-01
143	486733.18	3856143.15	3.49E-01	1.18E-05	2.03E-05	1.25E-04	3.49E-01	3.64E-01	1.20E-01	1.85E-03	4.26E-03	4.91E-01	3.63E-01	1.38E-05	2.03E-05	1.25E-04	3.64E-01
144	486783.18	3856143.15	3.39E-01	1.18E-05	2.07E-05	1.21E-04	3.39E-01	3.53E-01	1.20E-01	1.88E-03	4.15E-03	4.80E-01	3.53E-01	1.38E-05	2.07E-05	1.21E-04	3.53E-01
145	486533.18	3856193.15	4.50E-01	1.28E-05	1.97E-05	1.38E-04	4.50E-01	4.70E-01	1.31E-01	1.80E-03	4.73E-03	6.07E-01	4.69E-01	1.50E-05	1.97E-05	1.38E-04	4.69E-01
146	486583.18	3856193.15	4.25E-01	1.26E-05	2.02E-05	1.35E-04	4.25E-01	4.43E-01	1.29E-01	1.84E-03	4.61E-03	5.79E-01	4.42E-01	1.48E-05	2.02E-05	1.35E-04	4.43E-01
147	486633.18	3856193.15	4.07E-01	1.25E-05	2.03E-05	1.31E-04	4.07E-01	4.24E-01	1.28E-01	1.85E-03	4.48E-03	5.59E-01	4.23E-01	1.47E-05	2.03E-05	1.31E-04	4.24E-01
148	486683.18	3856193.15	3.92E-01	1.25E-05	2.04E-05	1.27E-04	3.92E-01	4.09E-01	1.28E-01	1.86E-03	4.36E-03	5.43E-01	4.08E-01	1.46E-05	2.04E-05	1.27E-04	4.08E-01
149	486733.18	3856193.15	3.75E-01	1.24E-05	2.05E-05	1.24E-04	3.75E-01	3.91E-01	1.26E-01	1.87E-03	4.24E-03	5.23E-01	3.90E-01	1.45E-05	2.05E-05	1.24E-04	3.90E-01
150	486783.18	3856193.15	3.62E-01	1.23E-05	2.08E-05	1.21E-04	3.63E-01	3.78E-01	1.26E-01	1.89E-03	4.13E-03	5.10E-01	3.77E-01	1.44E-05	2.08E-05	1.21E-04	3.78E-01
151	486533.18	3856243.15	4.90E-01	1.34E-05	1.97E-05	1.38E-04	4.90E-01	5.11E-01	1.37E-01	1.79E-03	4.72E-03	6.55E-01	5.10E-01	1.57E-05	1.97E-05	1.38E-04	5.10E-01
152	486583.18	3856243.15	4.63E-01	1.33E-05	2.02E-05	1.34E-04	4.63E-01	4.83E-01	1.36E-01	1.84E-03	4.58E-03	6.25E-01	4.82E-01	1.55E-05	2.02E-05	1.34E-04	4.83E-01
153	486633.18	3856243.15	4.40E-01	1.31E-05	2.05E-05	1.30E-04	4.40E-01	4.59E-01	1.34E-01	1.87E-03	4.46E-03	6.00E-01	4.58E-01	1.54E-05	2.05E-05	1.30E-04	4.59E-01
154	486683.18	3856243.15	4.21E-01	1.30E-05	2.07E-05	1.27E-04	4.21E-01	4.39E-01	1.33E-01	1.89E-03	4.33E-03	5.79E-01	4.38E-01	1.53E-05	2.07E-05	1.27E-04	4.38E-01
155	486733.18	3856243.15	4.04E-01	1.30E-05	2.08E-05	1.23E-04	4.04E-01	4.22E-01	1.33E-01	1.90E-03	4.22E-03	5.60E-01	4.21E-01	1.52E-05	2.08E-05	1.23E-04	4.21E-01
156	486783.18	3856243.15	3.87E-01	1.29E-05	2.10E-05	1.20E-04	3.87E-01	4.04E-01	1.32E-01	1.91E-03	4.11E-03	5.42E-01	4.03E-01	1.51E-05	2.10E-05	1.20E-04	4.03E-01
157	486533.18	3856293.15	5.38E-01	1.41E-05	1.95E-05	1.37E-04	5.38E-01	5.61E-01	1.44E-01	1.78E-03	4.69E-03	7.11E-01	5.60E-01	1.64E-05	1.95E-05	1.37E-04	5.60E-01
158	486583.18	3856293.15	5.05E-01	1.39E-05	2.02E-05	1.33E-04	5.05E-01	5.27E-01	1.42E-01	1.84E-03	4.55E-03	6.75E-01	5.26E-01	1.62E-05	2.02E-05	1.33E-04	5.26E-01
159	486633.18	3856293.15	4.78E-01	1.38E-05	2.07E-05	1.29E-04	4.78E-01	4.99E-01	1.41E-01	1.88E-03	4.42E-03	6.46E-01	4.98E-01	1.61E-05	2.07E-05	1.29E-04	4.98E-01
160	486683.18	3856293.15	4.55E-01	1.36E-05	2.10E-05	1.26E-04	4.55E-01	4.74E-01	1.39E-01	1.91E-03	4.30E-03	6.20E-01	4.74E-01	1.60E-05	2.10E-05	1.26E-04	4.74E-01
161	486733.18	3856293.15	4.36E-01	1.36E-05	2.11E-05	1.22E-04	4.36E-01	4.55E-01	1.39E-01	1.93E-03	4.18E-03	6.00E-01	4.54E-01	1.59E-05	2.11E-05	1.22E-04	4.54E-01
162	486783.18	3856293.15	4.16E-01	1.35E-05	2.13E-05	1.19E-04	4.16E-01	4.34E-01	1.38E-01	1.94E-03	4.07E-03	5.78E-01	4.33E-01	1.58E-05	2.13E-05	1.19E-04	4.33E-01
163	486783.18	3856343.15	4.50E-01	1.41E-05	2.16E-05	1.17E-04	4.50E-01	4.69E-01	1.44E-01	1.97E-03	4.01E-03	6.20E-01	4.68E-01	1.65E-05	2.16E-05	1.17E-04	4.69E-01
164	486833.18	3856343.15	4.29E-01	1.40E-05	2.18E-05	1.14E-04	4.29E-01	4.48E-01	1.44E-01	1.99E-03	3.90E-03	5.97E-01	4.47E-01	1.64E-05	2.18E-05	1.14E-04	4.47E-01
165	486883.18	3856343.15	4.11E-01	1.40E-05	2.22E-05	1.11E-04	4.11E-01	4.28E-01	1.43E-01	2.02E-03	3.80E-03	5.77E-01	4.27E-01	1.63E-05	2.22E-05	1.11E-04	4.28E-01
166	486783.18	3856393.15	4.84E-01	1.47E-05	2.20E-05	1.15E-04	4.85E-01	5.05E-01	1.50E-01	2.00E-03	3.94E-03	6.62E-01	5.04E-01	1.72E-05	2.20E-05	1.15E-04	5.05E-01
167	486833.18	3856393.15	4.61E-01	1.46E-05	2.22E-05	1.12E-04	4.61E-01	4.81E-01	1.49E-01	2.03E-03	3.83E-03	6.36E-01	4.80E-01	1.71E-05	2.22E-05	1.12E-04	4.80E-01
168	486883.18	3856393.15	4.38E-01	1.45E-05	2.25E-05	1.09E-04	4.38E-01	4.57E-01	1.48E-01	2.05E-03	3.73E-03	6.10E-01	4.56E-01	1.69E-05	2.25E-05	1.09E-04	4.56E-01
169	487208.74	3856886.11	6.06E-01	1.88E-05	3.22E-05	6.64E-05	6.06E-01	6.32E-01	1.92E-01	2.94E-03	2.27E-03	8.29E-01	6.31E-01	2.20E-05	3.22E-05	6.64E-05	6.31E-01
170	487258.74	3856886.11	5.57E-01	1.85E-05	3.33E-05	6.56E-05	5.57E-01	5.82E-01	1.89E-01	3.04E-03	2.24E-03	7.76E-01	5.80E-01	2.17E-05	3.33E-05	6.56E-05	5.81E-01
171	487308.74	3856886.11	5.15E-01	1.83E-05	3.47E-05	6.49E-05	5.15E-01	5.37E-01	1.87E-01	3.16E-03	2.22E-03	7.30E-01	5.36E-01	2.14E-05	3.47E-05	6.49E-05	5.36E-01
172	487358.74	3856886.11	4.78E-01	1.81E-05	3.63E-05	6.42E-05	4.78E-01	4.98E-01	1.85E-01	3.31E-03	2.20E-03	6.89E-01	4.97E-01	2.12E-05	3.63E-05	6.42E-05	4.98E-01
173	487208.74	3856936.11	6.51E-01	1.92E-05	3.32E-05	6.39E-05	6.51E-01	6.79E-01	1.96E-01	3.03E-03	2.18E-03	8.81E-01	6.78E-01	2.25E-05	3.32E-05	6.39E-05	6.78E-01
174	487258.74	3856936.11	5.89E-01	1.90E-05	3.43E-05	6.32E-05	5.89E-01	6.15E-01	1.94E-01	3.13E-03	2.16E-03	8.14E-01	6.13E-01	2.22E-05	3.43E-05	6.32E-05	6.13E-01
175	487308.74	3856936.11	5.36E-01	1.88E-05	3.56E-05	6.26E-05	5.36E-01	5.59E-01	1.92E-01	3.25E-03	2.14E-03	7.57E-01	5.58E-01	2.20E-05	3.56E-05	6.26E-05	5.58E-01
176	487358.74	3856936.11	4.91E-01	1.86E-05	3.72E-05	6.20E-05	4.91E-01	5.12E-01	1.90E-01	3.39E-03	2.12E-03	7.07E-01	5.11E-01	2.17E-05	3.72E-05	6.20E-05	5.12E-01
177	487208.74	3856986.11	6.88E-01	1.96E-05	3.43E-05	6.15E-05	6.88E-01	7.18E-01	2.00E-01	3.13E-03	2.10E-03	9.24E-01	7.16E-01	2.30E-05	3.43E-05	6.15E-05	7.17E-01
178	487258.74	3856986.11	6.07E-01	1.95E-05	3.54E-05	6.10E-05	6.07E-01	6.33E-01	1.99E-01	3.23E-03	2.09E-03	8.37E-01	6.32E-01	2.28E-05	3.54E-05	6.10E-05	6.32E-01
179	487308.74	3856986.11	5.43E-01	1.92E-05	3.67E-05	6.05E-05	5.43E-01	5.67E-01	1.96E-01	3.35E-03	2.07E-03	7.68E-01	5.66E-01	2.25E-05	3.67E-05	6.05E-05	5.66E-01

180	487358.74	3856986.11	4.91E-01	1.90E-05	3.83E-05	6.00E-05	4.91E-01	5.12E-01	1.94E-01	3.49E-03	2.05E-03	7.12E-01	5.11E-01	2.22E-05	3.83E-05	6.00E-05	5.11E-01
181	487208.74	3857036.11	6.80E-01	2.00E-05	3.55E-05	5.93E-05	6.80E-01	7.10E-01	2.04E-01	3.24E-03	2.03E-03	9.19E-01	7.08E-01	2.34E-05	3.55E-05	5.93E-05	7.08E-01
182	487258.74	3857036.11	5.89E-01	1.98E-05	3.67E-05	5.89E-05	5.89E-01	6.15E-01	2.02E-01	3.34E-03	2.01E-03	8.23E-01	6.14E-01	2.32E-05	3.67E-05	5.89E-05	6.14E-01
183	487308.74	3857036.11	5.21E-01	1.96E-05	3.80E-05	5.85E-05	5.21E-01	5.43E-01	2.01E-01	3.47E-03	2.00E-03	7.49E-01	5.42E-01	2.30E-05	3.80E-05	5.85E-05	5.42E-01
184	487358.74	3857036.11	4.68E-01	1.94E-05	3.95E-05	5.81E-05	4.68E-01	4.88E-01	1.99E-01	3.61E-03	1.99E-03	6.92E-01	4.87E-01	2.27E-05	3.95E-05	5.81E-05	4.87E-01
185	487427.14	3856878.23	4.31E-01	1.78E-05	3.87E-05	6.36E-05	4.31E-01	4.50E-01	1.82E-01	3.53E-03	2.18E-03	6.37E-01	4.49E-01	2.08E-05	3.87E-05	6.36E-05	4.49E-01
186	487477.14	3856878.23	4.03E-01	1.76E-05	4.06E-05	6.30E-05	4.03E-01	4.21E-01	1.80E-01	3.70E-03	2.15E-03	6.06E-01	4.20E-01	2.06E-05	4.06E-05	6.30E-05	4.20E-01
187	487527.14	3856878.23	3.78E-01	1.74E-05	4.26E-05	6.23E-05	3.78E-01	3.95E-01	1.78E-01	3.88E-03	2.13E-03	5.78E-01	3.94E-01	2.04E-05	4.26E-05	6.23E-05	3.94E-01
188	487427.14	3856928.23	4.39E-01	1.82E-05	3.96E-05	6.16E-05	4.39E-01	4.58E-01	1.86E-01	3.61E-03	2.11E-03	6.50E-01	4.57E-01	2.13E-05	3.96E-05	6.16E-05	4.57E-01
189	487477.14	3856928.23	4.07E-01	1.80E-05	4.17E-05	6.10E-05	4.07E-01	4.25E-01	1.84E-01	3.80E-03	2.09E-03	6.15E-01	4.24E-01	2.10E-05	4.17E-05	6.10E-05	4.24E-01
190	487527.14	3856928.23	3.79E-01	1.78E-05	4.39E-05	6.04E-05	3.79E-01	3.96E-01	1.82E-01	4.00E-03	2.07E-03	5.84E-01	3.95E-01	2.08E-05	4.39E-05	6.04E-05	3.95E-01
191	487577.14	3856928.23	3.55E-01	1.76E-05	4.61E-05	5.99E-05	3.55E-01	3.70E-01	1.80E-01	4.21E-03	2.05E-03	5.56E-01	3.69E-01	2.06E-05	4.61E-05	5.99E-05	3.70E-01
192	487627.14	3856928.23	3.33E-01	1.74E-05	4.86E-05	5.94E-05	3.33E-01	3.48E-01	1.77E-01	4.44E-03	2.03E-03	5.32E-01	3.47E-01	2.03E-05	4.86E-05	5.94E-05	3.47E-01
193	487677.14	3856928.23	3.14E-01	1.72E-05	5.14E-05	5.89E-05	3.14E-01	3.27E-01	1.76E-01	4.69E-03	2.02E-03	5.10E-01	3.27E-01	2.01E-05	5.14E-05	5.89E-05	3.27E-01
194	487727.14	3856928.23	2.96E-01	1.71E-05	5.42E-05	5.85E-05	2.96E-01	3.09E-01	1.75E-01	4.94E-03	2.00E-03	4.90E-01	3.08E-01	2.00E-05	5.42E-05	5.85E-05	3.08E-01
195	487777.14	3856928.23	2.80E-01	1.69E-05	5.63E-05	5.81E-05	2.80E-01	2.92E-01	1.73E-01	5.13E-03	1.99E-03	4.72E-01	2.92E-01	1.98E-05	5.63E-05	5.81E-05	2.92E-01
196	487427.14	3856978.23	4.35E-01	1.86E-05	4.07E-05	5.97E-05	4.36E-01	4.54E-01	1.90E-01	3.71E-03	2.04E-03	6.50E-01	4.53E-01	2.18E-05	4.07E-05	5.97E-05	4.54E-01
197	487477.14	3856978.23	4.01E-01	1.84E-05	4.29E-05	5.92E-05	4.01E-01	4.19E-01	1.88E-01	3.91E-03	2.02E-03	6.13E-01	4.18E-01	2.16E-05	4.29E-05	5.92E-05	4.18E-01
198	487527.14	3856978.23	3.72E-01	1.82E-05	4.53E-05	5.87E-05	3.72E-01	3.88E-01	1.86E-01	4.13E-03	2.01E-03	5.80E-01	3.87E-01	2.13E-05	4.53E-05	5.87E-05	3.87E-01
199	487577.14	3856978.23	3.46E-01	1.80E-05	4.77E-05	5.83E-05	3.47E-01	3.62E-01	1.84E-01	4.35E-03	1.99E-03	5.52E-01	3.61E-01	2.11E-05	4.77E-05	5.83E-05	3.61E-01
200	487627.14	3856978.23	3.25E-01	1.78E-05	5.03E-05	5.79E-05	3.25E-01	3.39E-01	1.81E-01	4.59E-03	1.98E-03	5.27E-01	3.38E-01	2.08E-05	5.03E-05	5.79E-05	3.38E-01
201	487677.14	3856978.23	3.05E-01	1.76E-05	5.32E-05	5.76E-05	3.05E-01	3.18E-01	1.80E-01	4.85E-03	1.97E-03	5.05E-01	3.17E-01	2.06E-05	5.32E-05	5.76E-05	3.17E-01
202	487727.14	3856978.23	2.88E-01	1.73E-05	5.62E-05	5.73E-05	2.88E-01	3.00E-01	1.77E-01	5.13E-03	1.96E-03	4.84E-01	3.00E-01	2.02E-05	5.62E-05	5.73E-05	3.00E-01
203	487777.14	3856978.23	2.71E-01	1.73E-05	5.87E-05	5.70E-05	2.71E-01	2.83E-01	1.77E-01	5.35E-03	1.95E-03	4.67E-01	2.82E-01	2.03E-05	5.87E-05	5.70E-05	2.83E-01
204	487427.14	3857028.23	4.16E-01	1.91E-05	4.19E-05	5.79E-05	4.16E-01	4.34E-01	1.95E-01	3.83E-03	1.98E-03	6.35E-01	4.33E-01	2.23E-05	4.19E-05	5.79E-05	4.33E-01
205	487477.14	3857028.23	3.82E-01	1.88E-05	4.42E-05	5.75E-05	3.82E-01	3.99E-01	1.92E-01	4.04E-03	1.97E-03	5.97E-01	3.98E-01	2.20E-05	4.42E-05	5.75E-05	3.98E-01
206	487527.14	3857028.23	3.54E-01	1.86E-05	4.68E-05	5.72E-05	3.54E-01	3.69E-01	1.90E-01	4.27E-03	1.96E-03	5.66E-01	3.69E-01	2.18E-05	4.68E-05	5.72E-05	3.69E-01
207	487577.14	3857028.23	3.30E-01	1.84E-05	4.94E-05	5.69E-05	3.30E-01	3.44E-01	1.88E-01	4.51E-03	1.94E-03	5.38E-01	3.43E-01	2.15E-05	4.94E-05	5.69E-05	3.43E-01
208	487627.14	3857028.23	3.09E-01	1.81E-05	5.22E-05	5.66E-05	3.09E-01	3.22E-01	1.85E-01	4.76E-03	1.94E-03	5.14E-01	3.22E-01	2.12E-05	5.22E-05	5.66E-05	3.22E-01
209	487677.14	3857028.23	2.90E-01	1.79E-05	5.52E-05	5.64E-05	2.90E-01	3.03E-01	1.83E-01	5.03E-03	1.93E-03	4.93E-01	3.02E-01	2.10E-05	5.52E-05	5.64E-05	3.02E-01
210	487727.14	3857028.23	2.73E-01	1.78E-05	5.84E-05	5.62E-05	2.73E-01	2.85E-01	1.82E-01	5.32E-03	1.92E-03	4.74E-01	2.84E-01	2.08E-05	5.84E-05	5.62E-05	2.84E-01
211	487777.14	3857028.23	2.58E-01	1.77E-05	6.13E-05	5.60E-05	2.58E-01	2.69E-01	1.80E-01	5.59E-03	1.91E-03	4.57E-01	2.69E-01	2.06E-05	6.13E-05	5.60E-05	2.69E-01
212	487427.14	3857078.23	3.80E-01	1.94E-05	4.34E-05	5.62E-05	3.80E-01	3.97E-01	1.99E-01	3.96E-03	1.92E-03	6.01E-01	3.96E-01	2.27E-05	4.34E-05	5.62E-05	3.96E-01
213	487477.14	3857078.23	3.51E-01	1.92E-05	4.57E-05	5.60E-05	3.51E-01	3.66E-01	1.96E-01	4.17E-03	1.91E-03	5.68E-01	3.66E-01	2.25E-05	4.57E-05	5.60E-05	3.66E-01
214	487527.14	3857078.23	3.26E-01	1.90E-05	4.84E-05	5.58E-05	3.26E-01	3.40E-01	1.94E-01	4.42E-03	1.91E-03	5.40E-01	3.40E-01	2.22E-05	4.84E-05	5.58E-05	3.40E-01
215	487577.14	3857078.23	3.05E-01	1.87E-05	5.13E-05	5.56E-05	3.05E-01	3.18E-01	1.92E-01	4.68E-03	1.90E-03	5.16E-01	3.17E-01	2.19E-05	5.13E-05	5.56E-05	3.17E-01
216	487627.14	3857078.23	2.86E-01	1.85E-05	5.43E-05	5.55E-05	2.86E-01	2.99E-01	1.89E-01	4.95E-03	1.90E-03	4.95E-01	2.98E-01	2.16E-05	5.43E-05	5.55E-05	2.98E-01
217	487677.14	3857078.23	2.70E-01	1.83E-05	5.75E-05	5.54E-05	2.70E-01	2.81E-01	1.87E-01	5.24E-03	1.89E-03	4.76E-01	2.81E-01	2.14E-05	5.75E-05	5.54E-05	2.81E-01
218	487727.14	3857078.23	2.55E-01	1.81E-05	6.09E-05	5.53E-05	2.55E-01	2.66E-01	1.85E-01	5.56E-03	1.89E-03	4.59E-01	2.65E-01	2.12E-05	6.09E-05	5.53E-05	2.65E-01
219	487777.14	3857078.23	2.42E-01	1.79E-05	6.42E-05	5.52E-05	2.42E-01	2.52E-01	1.83E-01	5.86E-03	1.89E-03	4.43E-01	2.52E-01	2.10E-05	6.42E-05	5.52E-05	2.52E-01
220	487427.14	3857128.23	3.32E-01	1.98E-05	4.51E-05	5.47E-05	3.32E-01	3.47E-01	2.02E-01	4.11E-03	1.87E-03	5.55E-01	3.46E-01	2.31E-05	4.51E-05	5.47E-05	3.46E-01
221	487477.14	3857128.23	3.10E-01	1.95E-05	4.74E-05	5.46E-05	3.11E-01	3.24E-01	1.99E-01	4.33E-03	1.87E-03	5.29E-01	3.23E-01	2.28E-05	4.74E-05	5.46E-05	3.23E-01
222	487527.14	3857128.23	2.91E-01	1.93E-05	5.02E-05	5.46E-05	2.91E-01	3.04E-01	1.97E-01	4.58E-03	1.87E-03	5.07E-01	3.03E-01	2.25E-05	5.02E-05	5.46E-05	3.04E-01
223	487577.14	3857128.23	2.74E-01	1.91E-05	5.33E-05	5.45E-05	2.74E-01	2.86E-01	1.95E-01	4.87E-03	1.86E-03	4.88E-01	2.86E-01	2.23E-05	5.33E-05	5.45E-05	2.86E-01
224	487627.14	3857128.23	2.59E-01	1.89E-05	5.66E-05	5.46E-05	2.59E-01	2.70E-01	1.93E-01	5.17E-03	1.87E-03	4.70E-01	2.70E-01	2.21E-05	5.66E-05	5.46E-05	2.70E-01
225	487677.14	3857128.23	2.46E-01	1.86E-05	6.01E-05	5.46E-05	2.46E-01	2.56E-01	1.90E-01	5.48E-03	1.87E-03	4.54E-01	2.56E-01	2.18E-05	6.01E-05	5.46E-05	2.56E-01
226	487727.14	3857128.23	2.33E-01	1.85E-05	6.38E-05	5.46E-05	2.33E-01	2.43E-01	1.89E-01	5.82E-03	1.87E-03	4.40E-01	2.43E-01	2.16E-05	6.38E-05	5.46E-05	2.43E-01
227	487777.14	3857128.23	2.22E-01	1.83E-05	6.75E-05	5.46E-05	2.23E-01	2.32E-01	1.87E-01	6.15E-03	1.87E-03	4.27E-01	2.32E-01	2.14E-05	6.75E-05	5.46E-05	2.32E-01
228	488049.44	3856539.39	2.13E-01	1.34E-05	3.34E-05	6.50E-05	2.13E-01	2.22E-01	1.36E-01	3.05E-03	2.22E-03	3.64E-01	2.22E-01	1.56E-05	3.34E-05	6.50E-05	2.22E-01
229	488099.44	3856539.39	2.06E-01	1.32E-05	3.26E-05	6.42E-05	2.06E-01	2.15E-01	1.35E-01	2.97E-03	2.19E-03	3.55E-01	2.15E-01	1.54E-05	3.26E-05	6.42E-05	2.15E-01
230	488149.44	3856539.39	2.00E-01	1.30E-05	3.23E-05	6.34E-05	2.00E-01	2.09E-01	1.33E-01	2.95E-03	2.17E-03	3.47E-01	2.08E-01	1.53E-05	3.23E-05	6.34E-05	2.09E-01
231	488049.44	3856589.39	2.17E-01	1.37E-05	3.50E-05	6.36E-05	2.17E-01	2.26E-01	1.40E-01	3.19E-03	2.18E-03	3.72E-01	2.26E-01	1.61E-05	3.50E-05	6.36E-05	2.26E-01
232	488099.44	3856589.39	2.10E-01	1.36E-05	3.41E-05	6.29E-05	2.10E-01	2.19E-01	1.39E-01	3.11E-03	2.15E-03	3.63E-01	2.19E-01	1.59E-05	3.41E-05	6.29E-05	2.19E-01
233	488149.44	3856589.39	2.03E-01	1.34E-05	3.38E-05	6.22E-05	2.04E-01	2.12E-01	1.37E-01	3.08E-03	2.13E-03	3.55E-01	2.12E-01	1.57E-05	3.38E-05	6.22E-05	2.12E-01
234	488199.44	3856589.39	1.97E-01	1.32E-05	3.41E-05	6.15E-05	1.97E-01	2.06E-01	1.35E-01	3.11E-03	2.10E-03	3.46E-01	2.05E-01	1.55E-05	3.41E-05	6.15E-05	2.05E-01
235	488249.44	3856589.39	1.91E-01	1.32E-05	3.48E-05	6.09E-05	1.91E-01	1.99E-01	1.35E-01	3.18E-03	2.08E-03	3.39E-01	1.99E-01	1.54E-05	3.48E-05	6.09E-05	1.99E-01
236	488049.44	3856639.39	2.20E-01	1.41E-05	3.67E-05	6.23E-05	2.20E-01	2.30E-01	1.44E-01	3.34E-03	2.13E-03	3.79E-01	2.29E-01	1.65E-05	3.67E-05	6.23E-05	2.30E-01
237	488099.44	3856639.39	2.13E-01	1.39E-05	3.57E-05	6.16E-05	2.13E-01	2.22E-01	1.42E-01	3.25E-03	2.11E-03	3.70E-01	2.22E-01	1.63E-05	3.57E-05	6.16E-05	2.22E-01
238	488149.44	3856639.39	2.06E-01	1.38E-05	3.54E-05	6.10E-05	2.06E-01	2.15E-01	1.41E-01	3.23E-03	2.09E-03	3.61E-01	2.14E-01	1.61E-05	3.54E-05	6.10E-05	2.15E-01
239	488199.44	3856639.39	1.99E-01	1.36E-05	3.58E-05	6.04E-05	1.99E-01	2.08E-01	1.39E-01	3.26E-03	2.07E-03	3.53E-01	2.07E-01	1.60E-05	3.58E-05	6.04E-05	2.08E-01
240	488249.44	3856639.39	1.93E-01	1.35E-05	3.65E-05	5.98E-05	1.93E-01	2.01E-01	1.38E-01	3.33E-03	2.05E-03	3.45E-01	2.01E-01	1.58E-05	3.65E-05	5.98E-05	2.01E-01

241	488299.44	3856639.39	1.87E-01	1.34E-05	3.74E-05	5.93E-05	1.87E-01	1.95E-01	1.37E-01	3.41E-03	2.03E-03	3.37E-01	1.95E-01	1.57E-05	3.74E-05	5.93E-05	1.95E-01
242	488349.44	3856639.39	1.81E-01	1.32E-05	3.82E-05	5.87E-05	1.81E-01	1.89E-01	1.35E-01	3.48E-03	2.01E-03	3.30E-01	1.89E-01	1.55E-05	3.82E-05	5.87E-05	1.89E-01
243	488399.44	3856639.39	1.76E-01	1.32E-05	3.91E-05	5.82E-05	1.76E-01	1.83E-01	1.34E-01	3.57E-03	1.99E-03	3.23E-01	1.83E-01	1.54E-05	3.91E-05	5.82E-05	1.83E-01
244	488099.44	3856689.39	2.15E-01	1.43E-05	3.75E-05	6.04E-05	2.15E-01	2.24E-01	1.46E-01	3.42E-03	2.07E-03	3.76E-01	2.24E-01	1.67E-05	3.75E-05	6.04E-05	2.24E-01
245	488149.44	3856689.39	2.08E-01	1.41E-05	3.72E-05	5.99E-05	2.08E-01	2.17E-01	1.44E-01	3.39E-03	2.05E-03	3.66E-01	2.16E-01	1.65E-05	3.72E-05	5.99E-05	2.16E-01
246	488199.44	3856689.39	2.01E-01	1.40E-05	3.76E-05	5.93E-05	2.01E-01	2.09E-01	1.43E-01	3.43E-03	2.03E-03	3.58E-01	2.09E-01	1.64E-05	3.76E-05	5.93E-05	2.09E-01
247	488249.44	3856689.39	1.94E-01	1.38E-05	3.83E-05	5.88E-05	1.94E-01	2.02E-01	1.41E-01	3.49E-03	2.01E-03	3.49E-01	2.02E-01	1.62E-05	3.83E-05	5.88E-05	2.02E-01
248	488299.44	3856689.39	1.87E-01	1.37E-05	3.92E-05	5.83E-05	1.88E-01	1.96E-01	1.40E-01	3.58E-03	1.99E-03	3.42E-01	1.95E-01	1.61E-05	3.92E-05	5.83E-05	1.95E-01
249	488349.44	3856689.39	1.82E-01	1.36E-05	4.01E-05	5.78E-05	1.82E-01	1.89E-01	1.39E-01	3.66E-03	1.98E-03	3.34E-01	1.89E-01	1.59E-05	4.01E-05	5.78E-05	1.89E-01
250	488399.44	3856689.39	1.76E-01	1.34E-05	4.10E-05	5.73E-05	1.76E-01	1.84E-01	1.37E-01	3.74E-03	1.96E-03	3.26E-01	1.83E-01	1.56E-05	4.10E-05	5.73E-05	1.83E-01
251	488099.44	3856739.39	2.16E-01	1.47E-05	3.95E-05	5.93E-05	2.16E-01	2.25E-01	1.50E-01	3.60E-03	2.03E-03	3.81E-01	2.25E-01	1.72E-05	3.95E-05	5.93E-05	2.25E-01
252	488149.44	3856739.39	2.08E-01	1.45E-05	3.92E-05	5.88E-05	2.08E-01	2.17E-01	1.48E-01	3.57E-03	2.01E-03	3.71E-01	2.17E-01	1.69E-05	3.92E-05	5.88E-05	2.17E-01
253	488199.44	3856739.39	2.01E-01	1.44E-05	3.96E-05	5.83E-05	2.01E-01	2.09E-01	1.47E-01	3.61E-03	1.99E-03	3.62E-01	2.09E-01	1.68E-05	3.96E-05	5.83E-05	2.09E-01
254	488249.44	3856739.39	1.94E-01	1.42E-05	4.04E-05	5.78E-05	1.94E-01	2.02E-01	1.45E-01	3.68E-03	1.98E-03	3.53E-01	2.02E-01	1.66E-05	4.04E-05	5.78E-05	2.02E-01
255	488299.44	3856739.39	1.87E-01	1.40E-05	4.12E-05	5.73E-05	1.88E-01	1.96E-01	1.43E-01	3.76E-03	1.96E-03	3.44E-01	1.95E-01	1.63E-05	4.12E-05	5.73E-05	1.95E-01
256	488349.44	3856739.39	1.81E-01	1.39E-05	4.22E-05	5.68E-05	1.81E-01	1.89E-01	1.42E-01	3.85E-03	1.94E-03	3.37E-01	1.89E-01	1.63E-05	4.22E-05	5.68E-05	1.89E-01
257	488399.44	3856739.39	1.75E-01	1.38E-05	4.32E-05	5.64E-05	1.75E-01	1.83E-01	1.41E-01	3.94E-03	1.93E-03	3.30E-01	1.82E-01	1.62E-05	4.32E-05	5.64E-05	1.82E-01
258	487999.44	3856789.39	2.34E-01	1.53E-05	4.48E-05	5.93E-05	2.34E-01	2.44E-01	1.56E-01	4.08E-03	2.03E-03	4.06E-01	2.43E-01	1.79E-05	4.48E-05	5.93E-05	2.43E-01
259	488049.44	3856789.39	2.24E-01	1.51E-05	4.28E-05	5.87E-05	2.25E-01	2.34E-01	1.55E-01	3.91E-03	2.01E-03	3.95E-01	2.34E-01	1.77E-05	4.28E-05	5.87E-05	2.34E-01
260	488099.44	3856789.39	2.16E-01	1.50E-05	4.17E-05	5.82E-05	2.16E-01	2.25E-01	1.54E-01	3.80E-03	1.99E-03	3.84E-01	2.24E-01	1.76E-05	4.17E-05	5.82E-05	2.25E-01
261	488149.44	3856789.39	2.08E-01	1.48E-05	4.14E-05	5.77E-05	2.08E-01	2.17E-01	1.52E-01	3.77E-03	1.97E-03	3.74E-01	2.16E-01	1.74E-05	4.14E-05	5.77E-05	2.16E-01
262	488199.44	3856789.39	2.00E-01	1.47E-05	4.18E-05	5.73E-05	2.00E-01	2.09E-01	1.50E-01	3.81E-03	1.96E-03	3.65E-01	2.08E-01	1.72E-05	4.18E-05	5.73E-05	2.08E-01
263	488249.44	3856789.39	1.93E-01	1.45E-05	4.26E-05	5.68E-05	1.93E-01	2.01E-01	1.48E-01	3.88E-03	1.94E-03	3.55E-01	2.01E-01	1.70E-05	4.26E-05	5.68E-05	2.01E-01
264	488299.44	3856789.39	1.86E-01	1.43E-05	4.35E-05	5.64E-05	1.86E-01	1.94E-01	1.46E-01	3.97E-03	1.93E-03	3.46E-01	1.94E-01	1.67E-05	4.35E-05	5.64E-05	1.94E-01
265	488349.44	3856789.39	1.80E-01	1.43E-05	4.45E-05	5.60E-05	1.80E-01	1.87E-01	1.46E-01	4.06E-03	1.91E-03	3.39E-01	1.87E-01	1.67E-05	4.45E-05	5.60E-05	1.87E-01
266	488399.44	3856789.39	1.74E-01	1.42E-05	4.55E-05	5.55E-05	1.74E-01	1.81E-01	1.45E-01	4.15E-03	1.90E-03	3.32E-01	1.81E-01	1.66E-05	4.55E-05	5.55E-05	1.81E-01
267	487949.44	3856839.39	2.43E-01	1.58E-05	4.96E-05	5.87E-05	2.43E-01	2.53E-01	1.61E-01	4.53E-03	2.01E-03	4.21E-01	2.53E-01	1.85E-05	4.96E-05	5.87E-05	2.53E-01
268	487999.44	3856839.39	2.33E-01	1.56E-05	4.74E-05	5.81E-05	2.33E-01	2.43E-01	1.60E-01	4.32E-03	1.99E-03	4.08E-01	2.42E-01	1.83E-05	4.74E-05	5.81E-05	2.42E-01
269	488049.44	3856839.39	2.23E-01	1.55E-05	4.53E-05	5.77E-05	2.23E-01	2.33E-01	1.58E-01	4.13E-03	1.97E-03	3.97E-01	2.32E-01	1.81E-05	4.53E-05	5.77E-05	2.32E-01
270	488099.44	3856839.39	2.14E-01	1.53E-05	4.41E-05	5.72E-05	2.14E-01	2.23E-01	1.57E-01	4.02E-03	1.96E-03	3.86E-01	2.23E-01	1.79E-05	4.41E-05	5.72E-05	2.23E-01
271	488149.44	3856839.39	2.05E-01	1.52E-05	4.38E-05	5.68E-05	2.06E-01	2.14E-01	1.55E-01	3.99E-03	1.94E-03	3.75E-01	2.14E-01	1.78E-05	4.38E-05	5.68E-05	2.14E-01
272	488199.44	3856839.39	1.98E-01	1.50E-05	4.42E-05	5.64E-05	1.98E-01	2.06E-01	1.54E-01	4.03E-03	1.93E-03	3.66E-01	2.06E-01	1.76E-05	4.42E-05	5.64E-05	2.06E-01
273	487949.44	3856889.39	2.40E-01	1.61E-05	5.26E-05	5.76E-05	2.40E-01	2.50E-01	1.64E-01	4.80E-03	1.97E-03	4.21E-01	2.50E-01	1.88E-05	5.26E-05	5.76E-05	2.50E-01
274	487999.44	3856889.39	2.29E-01	1.60E-05	5.03E-05	5.71E-05	2.29E-01	2.39E-01	1.63E-01	4.58E-03	1.95E-03	4.09E-01	2.39E-01	1.87E-05	5.03E-05	5.71E-05	2.39E-01
275	488049.44	3856889.39	2.20E-01	1.58E-05	4.81E-05	5.67E-05	2.20E-01	2.29E-01	1.61E-01	4.39E-03	1.94E-03	3.96E-01	2.29E-01	1.84E-05	4.81E-05	5.67E-05	2.29E-01
276	488099.44	3856889.39	2.10E-01	1.57E-05	4.68E-05	5.63E-05	2.10E-01	2.19E-01	1.60E-01	4.27E-03	1.92E-03	3.86E-01	2.19E-01	1.83E-05	4.68E-05	5.63E-05	2.19E-01
277	488635.86	3857895.05	4.42E-02	2.33E-05	3.64E-03	8.58E-05	4.80E-02	4.62E-02	2.39E-01	3.32E-01	2.94E-03	6.19E-01	4.61E-02	2.73E-05	3.64E-03	8.58E-05	4.98E-02
278	489137.64	3857804.15	4.94E-02	1.98E-05	1.42E-03	7.48E-05	5.09E-02	5.15E-02	2.02E-01	1.29E-01	2.56E-03	3.86E-01	5.14E-02	2.32E-05	1.42E-03	7.48E-05	5.29E-02
279	488617.32	3857859.41	4.66E-02	2.29E-05	3.54E-03	8.27E-05	5.02E-02	4.86E-02	2.34E-01	3.23E-01	2.83E-03	6.08E-01	4.85E-02	2.67E-05	3.54E-03	8.27E-05	5.21E-02
280	488667.32	3857859.41	4.68E-02	2.26E-05	3.22E-03	8.23E-05	5.01E-02	4.88E-02	2.31E-01	2.93E-01	2.81E-03	5.76E-01	4.87E-02	2.64E-05	3.22E-03	8.23E-05	5.20E-02
281	488717.32	3857859.41	4.69E-02	2.23E-05	2.92E-03	8.19E-05	5.00E-02	4.90E-02	2.28E-01	2.66E-01	2.80E-03	5.46E-01	4.89E-02	2.61E-05	2.92E-03	8.19E-05	5.19E-02
282	488767.32	3857859.41	4.69E-02	2.21E-05	2.66E-03	8.16E-05	4.97E-02	4.90E-02	2.26E-01	2.43E-01	2.79E-03	5.20E-01	4.89E-02	2.59E-05	2.66E-03	8.16E-05	5.16E-02
283	488617.32	3857909.41	4.32E-02	2.37E-05	3.85E-03	8.74E-05	4.72E-02	4.51E-02	2.42E-01	3.51E-01	2.99E-03	6.41E-01	4.50E-02	2.77E-05	3.85E-03	8.74E-05	4.89E-02
284	488667.32	3857909.41	4.34E-02	2.35E-05	3.42E-03	8.69E-05	4.69E-02	4.53E-02	2.40E-01	3.12E-01	2.97E-03	6.00E-01	4.52E-02	2.75E-05	3.42E-03	8.69E-05	4.87E-02
285	488717.32	3857909.41	4.37E-02	2.31E-05	3.04E-03	8.63E-05	4.69E-02	4.56E-02	2.36E-01	2.78E-01	2.95E-03	5.62E-01	4.55E-02	2.70E-05	3.04E-03	8.63E-05	4.87E-02
286	488767.32	3857909.41	4.38E-02	2.29E-05	2.73E-03	8.57E-05	4.67E-02	4.57E-02	2.34E-01	2.49E-01	2.93E-03	5.32E-01	4.56E-02	2.68E-05	2.73E-03	8.57E-05	4.85E-02
287	488417.32	3857959.41	3.85E-02	2.57E-05	6.70E-03	9.50E-05	4.53E-02	4.01E-02	2.63E-01	6.11E-01	3.25E-03	9.17E-01	4.00E-02	3.01E-05	6.70E-03	9.50E-05	4.69E-02
288	488467.32	3857959.41	3.89E-02	2.55E-05	5.81E-03	9.45E-05	4.48E-02	4.06E-02	2.60E-01	5.30E-01	3.23E-03	8.34E-01	4.05E-02	2.98E-05	5.81E-03	9.45E-05	4.64E-02
289	488517.32	3857959.41	3.93E-02	2.52E-05	5.01E-03	9.39E-05	4.44E-02	4.10E-02	2.57E-01	4.57E-01	3.21E-03	7.58E-01	4.09E-02	2.95E-05	5.01E-03	9.39E-05	4.61E-02
290	488567.32	3857959.41	3.97E-02	2.49E-05	4.32E-03	9.32E-05	4.41E-02	4.14E-02	2.55E-01	3.94E-01	3.19E-03	6.94E-01	4.13E-02	2.92E-05	4.32E-03	9.32E-05	4.58E-02
291	488617.32	3857959.41	4.00E-02	2.46E-05	3.76E-03	9.25E-05	4.39E-02	4.18E-02	2.51E-01	3.43E-01	3.16E-03	6.40E-01	4.17E-02	2.88E-05	3.76E-03	9.25E-05	4.56E-02
292	488667.32	3857959.41	4.04E-02	2.43E-05	3.30E-03	9.16E-05	4.38E-02	4.21E-02	2.48E-01	3.01E-01	3.13E-03	5.95E-01	4.20E-02	2.84E-05	3.30E-03	9.16E-05	4.55E-02
293	488717.32	3857959.41	4.06E-02	2.40E-05	2.92E-03	9.09E-05	4.37E-02	4.24E-02	2.46E-01	2.66E-01	3.11E-03	5.58E-01	4.23E-02	2.81E-05	2.92E-03	9.09E-05	4.54E-02
294	488767.32	3857959.41	4.09E-02	2.38E-05	2.60E-03	9.00E-05	4.36E-02	4.27E-02	2.43E-01	2.38E-01	3.08E-03	5.26E-01	4.26E-02	2.78E-05	2.60E-03	9.00E-05	4.53E-02
295	488417.32	3858009.41	3.56E-02	2.68E-05	5.86E-03	1.02E-04	4.16E-02	3.72E-02	2.74E-01	5.34E-01	3.47E-03	8.48E-01	3.71E-02	3.13E-05	5.86E-03	1.02E-04	4.31E-02
296	488467.32	3858009.41	3.60E-02	2.65E-05	5.04E-03	1.01E-04	4.12E-02	3.76E-02	2.71E-01	4.60E-01	3.44E-03	7.72E-01	3.75E-02	3.10E-05	5.04E-03	1.01E-04	4.26E-02
297	488517.32	3858009.41	3.64E-02	2.62E-05	4.34E-03	9.98E-05	4.08E-02	3.80E-02	2.68E-01	3.96E-01	3.41E-03	7.05E-01	3.79E-02	3.07E-05	4.34E-03	9.98E-05	4.24E-02
298	488567.32	3858009.41	3.68E-02	2.59E-05	3.75E-03	9.88E-05	4.06E-02	3.84E-02	2.65E-01	3.42E-01	3.38E-03	6.49E-01	3.83E-02	3.03E-05	3.75E-03	9.88E-05	4.22E-02
299	488617.32	3858009.41	3.72E-02	2.56E-05	3.28E-03	9.77E-05	4.06E-02	3.88E-02	2.61E-01	2.99E-01	3.34E-03	6.02E-01	3.87E-02	2.99E-05	3.28E-03	9.77E-05	4.21E-02
300	488667.32	3858009.41	3.75E-02	2.52E-05	2.89E-03	9.66E-05	4.05E-02	3.92E-02	2.58E-01	2.63E-01	3.30E-03	5.64E-01	3.91E-02	2.95E-05	2.89E-03	9.66E-05	4.21E-02
301	488717.32	3858009.41	3.79E-02	2.49E-05	2.57E-03	9.55E-05	4.05E-02	3.95E-02	2.55E-01	2.34E-01	3.26E-03	5.31E-01	3.94E-02	2.92E-05	2.57E-03	9.55E-05	4.21E-02

302	488767.32	3858009.41	3.82E-02	2.46E-05	2.30E-03	9.43E-05	4.06E-02	3.98E-02	2.52E-01	2.10E-01	3.23E-03	5.04E-01	3.97E-02	2.88E-05	2.30E-03	9.43E-05	4.21E-02
303	488417.32	3858059.41	3.32E-02	2.80E-05	4.06E-03	1.09E-04	3.74E-02	3.46E-02	2.86E-01	3.70E-01	3.71E-03	6.94E-01	3.45E-02	3.27E-05	4.06E-03	1.09E-04	3.87E-02
304	488467.32	3858059.41	3.35E-02	2.77E-05	3.64E-03	1.07E-04	3.72E-02	3.49E-02	2.83E-01	3.32E-01	3.67E-03	6.53E-01	3.49E-02	3.24E-05	3.64E-03	1.07E-04	3.86E-02
305	488517.32	3858059.41	3.38E-02	2.73E-05	3.23E-03	1.06E-04	3.72E-02	3.53E-02	2.79E-01	2.95E-01	3.62E-03	6.13E-01	3.52E-02	3.20E-05	3.23E-03	1.06E-04	3.86E-02
306	488567.32	3858059.41	3.41E-02	2.70E-05	2.87E-03	1.04E-04	3.71E-02	3.56E-02	2.76E-01	2.61E-01	3.57E-03	5.76E-01	3.56E-02	3.16E-05	2.87E-03	1.04E-04	3.86E-02
307	488617.32	3858059.41	3.45E-02	2.67E-05	2.56E-03	1.03E-04	3.72E-02	3.60E-02	2.72E-01	2.33E-01	3.52E-03	5.45E-01	3.59E-02	3.12E-05	2.56E-03	1.03E-04	3.86E-02
308	488667.32	3858059.41	3.49E-02	2.63E-05	2.30E-03	1.02E-04	3.73E-02	3.64E-02	2.68E-01	2.10E-01	3.47E-03	5.18E-01	3.63E-02	3.07E-05	2.30E-03	1.02E-04	3.88E-02
309	488417.32	3858109.41	3.11E-02	2.90E-05	2.49E-03	1.15E-04	3.37E-02	3.24E-02	2.97E-01	2.27E-01	3.95E-03	5.60E-01	3.24E-02	3.40E-05	2.49E-03	1.15E-04	3.50E-02
310	488467.32	3858109.41	3.13E-02	2.88E-05	2.38E-03	1.14E-04	3.39E-02	3.27E-02	2.94E-01	2.17E-01	3.89E-03	5.47E-01	3.26E-02	3.37E-05	2.38E-03	1.14E-04	3.52E-02
311	488517.32	3858109.41	3.16E-02	2.85E-05	2.21E-03	1.12E-04	3.39E-02	3.29E-02	2.91E-01	2.02E-01	3.83E-03	5.29E-01	3.29E-02	3.33E-05	2.21E-03	1.12E-04	3.52E-02
312	488567.32	3858109.41	3.18E-02	2.81E-05	2.03E-03	1.10E-04	3.40E-02	3.32E-02	2.87E-01	1.85E-01	3.77E-03	5.10E-01	3.32E-02	3.29E-05	2.03E-03	1.10E-04	3.53E-02
313	488617.32	3858109.41	3.21E-02	2.78E-05	1.87E-03	1.08E-04	3.41E-02	3.35E-02	2.84E-01	1.70E-01	3.70E-03	4.91E-01	3.35E-02	3.25E-05	1.87E-03	1.08E-04	3.55E-02
314	488667.32	3858109.41	3.25E-02	2.73E-05	1.73E-03	1.06E-04	3.44E-02	3.39E-02	2.79E-01	1.57E-01	3.64E-03	4.74E-01	3.39E-02	3.20E-05	1.73E-03	1.06E-04	3.57E-02
315	488769.93	3858449.27	2.18E-02	3.48E-05	2.45E-04	1.35E-04	2.22E-02	2.28E-02	3.55E-01	2.24E-02	4.61E-03	4.05E-01	2.27E-02	4.07E-05	2.45E-04	1.35E-04	2.31E-02
316	488819.93	3858449.27	2.23E-02	3.42E-05	2.58E-04	1.31E-04	2.27E-02	2.33E-02	3.49E-01	2.35E-02	4.50E-03	4.01E-01	2.32E-02	4.00E-05	2.58E-04	1.31E-04	2.36E-02
317	488819.93	3858499.27	2.09E-02	3.60E-05	1.99E-04	1.36E-04	2.13E-02	2.18E-02	3.67E-01	1.82E-02	4.63E-03	4.12E-01	2.18E-02	4.21E-05	1.99E-04	1.36E-04	2.21E-02
318	488869.93	3858499.27	2.14E-02	3.54E-05	2.10E-04	1.32E-04	2.18E-02	2.23E-02	3.62E-01	1.92E-02	4.52E-03	4.08E-01	2.23E-02	4.14E-05	2.10E-04	1.32E-04	2.26E-02
319	488869.93	3858549.27	2.00E-02	3.75E-05	1.66E-04	1.36E-04	2.04E-02	2.09E-02	3.84E-01	1.51E-02	4.64E-03	4.24E-01	2.09E-02	4.39E-05	1.66E-04	1.36E-04	2.12E-02
320	489438.17	3859571.48	1.19E-02	5.61E-05	2.95E-05	2.88E-04	1.22E-02	1.24E-02	5.73E-01	2.69E-03	9.83E-03	5.98E-01	1.23E-02	6.56E-05	2.95E-05	2.88E-04	1.27E-02
321	489488.17	3859571.48	1.19E-02	5.43E-05	3.00E-05	2.73E-04	1.23E-02	1.24E-02	5.55E-01	2.73E-03	9.34E-03	5.79E-01	1.24E-02	6.35E-05	3.00E-05	2.73E-04	1.28E-02
322	489538.17	3859571.48	1.20E-02	5.26E-05	3.06E-05	2.60E-04	1.23E-02	1.25E-02	5.38E-01	2.79E-03	8.88E-03	5.62E-01	1.24E-02	6.16E-05	3.06E-05	2.60E-04	1.28E-02
323	489588.17	3859571.48	1.20E-02	5.12E-05	3.11E-05	2.48E-04	1.23E-02	1.25E-02	5.23E-01	2.84E-03	8.47E-03	5.47E-01	1.25E-02	5.99E-05	3.11E-05	2.48E-04	1.28E-02
324	489438.17	3859621.48	1.16E-02	5.49E-05	2.84E-05	2.91E-04	1.19E-02	1.21E-02	5.61E-01	2.59E-03	9.95E-03	5.85E-01	1.20E-02	6.42E-05	2.84E-05	2.91E-04	1.24E-02
325	489488.17	3859621.48	1.16E-02	5.33E-05	2.88E-05	2.76E-04	1.20E-02	1.21E-02	5.45E-01	2.62E-03	9.43E-03	5.69E-01	1.21E-02	6.24E-05	2.88E-05	2.76E-04	1.25E-02
326	489538.17	3859621.48	1.17E-02	5.18E-05	2.92E-05	2.62E-04	1.20E-02	1.22E-02	5.29E-01	2.66E-03	8.95E-03	5.53E-01	1.22E-02	6.06E-05	2.92E-05	2.62E-04	1.25E-02
327	489588.17	3859621.48	1.17E-02	5.03E-05	2.98E-05	2.49E-04	1.20E-02	1.22E-02	5.14E-01	2.72E-03	8.50E-03	5.37E-01	1.22E-02	5.88E-05	2.98E-05	2.49E-04	1.25E-02
328	489238.17	3859671.48	1.12E-02	6.07E-05	2.57E-05	3.74E-04	1.16E-02	1.17E-02	6.20E-01	2.35E-03	1.28E-02	6.46E-01	1.16E-02	7.10E-05	2.57E-05	3.74E-04	1.21E-02
329	489288.17	3859671.48	1.12E-02	5.89E-05	2.63E-05	3.50E-04	1.16E-02	1.17E-02	6.01E-01	2.40E-03	1.20E-02	6.27E-01	1.17E-02	6.89E-05	2.63E-05	3.50E-04	1.21E-02
330	489338.17	3859671.48	1.12E-02	5.71E-05	2.67E-05	3.28E-04	1.16E-02	1.16E-02	5.83E-01	2.44E-03	1.12E-02	6.09E-01	1.16E-02	6.68E-05	2.67E-05	3.28E-04	1.20E-02
331	489388.17	3859671.48	1.12E-02	5.53E-05	2.72E-05	3.08E-04	1.16E-02	1.17E-02	5.65E-01	2.48E-03	1.05E-02	5.90E-01	1.16E-02	6.47E-05	2.72E-05	3.08E-04	1.20E-02
332	489438.17	3859671.48	1.13E-02	5.38E-05	2.75E-05	2.90E-04	1.16E-02	1.17E-02	5.50E-01	2.51E-03	9.93E-03	5.74E-01	1.17E-02	6.30E-05	2.75E-05	2.90E-04	1.21E-02
333	489488.17	3859671.48	1.13E-02	5.22E-05	2.79E-05	2.74E-04	1.17E-02	1.18E-02	5.34E-01	2.54E-03	9.38E-03	5.57E-01	1.18E-02	6.11E-05	2.79E-05	2.74E-04	1.22E-02
334	489538.17	3859671.48	1.14E-02	5.08E-05	2.82E-05	2.60E-04	1.17E-02	1.19E-02	5.19E-01	2.58E-03	8.88E-03	5.43E-01	1.19E-02	5.95E-05	2.82E-05	2.60E-04	1.22E-02
335	489588.17	3859671.48	1.15E-02	4.94E-05	2.87E-05	2.46E-04	1.18E-02	1.20E-02	5.05E-01	2.62E-03	8.43E-03	5.28E-01	1.19E-02	5.78E-05	2.87E-05	2.46E-04	1.23E-02
336	489238.17	3859721.48	1.09E-02	5.95E-05	2.48E-05	3.68E-04	1.13E-02	1.14E-02	6.08E-01	2.26E-03	1.26E-02	6.34E-01	1.13E-02	6.96E-05	2.48E-05	3.68E-04	1.18E-02
337	489288.17	3859721.48	1.10E-02	5.74E-05	2.55E-05	3.44E-04	1.14E-02	1.14E-02	5.87E-01	2.32E-03	1.18E-02	6.12E-01	1.14E-02	6.72E-05	2.55E-05	3.44E-04	1.18E-02
338	489338.17	3859721.48	1.10E-02	5.59E-05	2.60E-05	3.22E-04	1.14E-02	1.15E-02	5.71E-01	2.37E-03	1.10E-02	5.95E-01	1.14E-02	6.53E-05	2.60E-05	3.22E-04	1.19E-02
339	489388.17	3859721.48	1.10E-02	5.44E-05	2.64E-05	3.03E-04	1.14E-02	1.15E-02	5.55E-01	2.41E-03	1.04E-02	5.80E-01	1.14E-02	6.36E-05	2.64E-05	3.03E-04	1.18E-02
340	489438.17	3859721.48	1.10E-02	5.30E-05	2.67E-05	2.86E-04	1.14E-02	1.15E-02	5.41E-01	2.43E-03	9.77E-03	5.65E-01	1.14E-02	6.20E-05	2.67E-05	2.86E-04	1.18E-02
341	489488.17	3859721.48	1.11E-02	5.15E-05	2.70E-05	2.69E-04	1.14E-02	1.15E-02	5.26E-01	2.47E-03	9.22E-03	5.49E-01	1.15E-02	6.02E-05	2.70E-05	2.69E-04	1.19E-02
342	489538.17	3859721.48	1.11E-02	5.01E-05	2.74E-05	2.55E-04	1.15E-02	1.16E-02	5.12E-01	2.50E-03	8.72E-03	5.35E-01	1.16E-02	5.86E-05	2.74E-05	2.55E-04	1.19E-02
343	489588.17	3859721.48	1.12E-02	4.88E-05	2.78E-05	2.42E-04	1.15E-02	1.17E-02	4.98E-01	2.53E-03	8.27E-03	5.21E-01	1.17E-02	5.71E-05	2.78E-05	2.42E-04	1.20E-02
344	489238.17	3859771.48	1.06E-02	5.87E-05	2.39E-05	3.57E-04	1.11E-02	1.11E-02	6.00E-01	2.18E-03	1.22E-02	6.25E-01	1.11E-02	6.87E-05	2.39E-05	3.57E-04	1.15E-02
345	489288.17	3859771.48	1.07E-02	5.67E-05	2.46E-05	3.34E-04	1.11E-02	1.12E-02	5.80E-01	2.24E-03	1.14E-02	6.04E-01	1.11E-02	6.64E-05	2.46E-05	3.34E-04	1.16E-02
346	489338.17	3859771.48	1.07E-02	5.53E-05	2.52E-05	3.14E-04	1.11E-02	1.12E-02	5.65E-01	2.29E-03	1.07E-02	5.89E-01	1.12E-02	6.47E-05	2.52E-05	3.14E-04	1.16E-02
347	489388.17	3859771.48	1.08E-02	5.39E-05	2.56E-05	2.95E-04	1.11E-02	1.12E-02	5.50E-01	2.34E-03	1.01E-02	5.74E-01	1.12E-02	6.30E-05	2.56E-05	2.95E-04	1.16E-02
348	489438.17	3859771.48	1.08E-02	5.25E-05	2.59E-05	2.78E-04	1.11E-02	1.12E-02	5.37E-01	2.37E-03	9.52E-03	5.60E-01	1.12E-02	6.15E-05	2.59E-05	2.78E-04	1.16E-02
349	489488.17	3859771.48	1.08E-02	5.10E-05	2.63E-05	2.63E-04	1.12E-02	1.13E-02	5.21E-01	2.40E-03	8.98E-03	5.44E-01	1.13E-02	5.96E-05	2.63E-05	2.63E-04	1.16E-02
350	489538.17	3859771.48	1.09E-02	4.96E-05	2.67E-05	2.48E-04	1.12E-02	1.13E-02	5.06E-01	2.44E-03	8.49E-03	5.29E-01	1.13E-02	5.80E-05	2.67E-05	2.48E-04	1.17E-02
351	489588.17	3859771.48	1.09E-02	4.84E-05	2.70E-05	2.36E-04	1.12E-02	1.14E-02	4.94E-01	2.46E-03	8.06E-03	5.16E-01	1.14E-02	5.66E-05	2.70E-05	2.36E-04	1.17E-02
352	489238.17	3859821.48	1.03E-02	5.87E-05	2.29E-05	3.45E-04	1.08E-02	1.08E-02	5.99E-01	2.09E-03	1.18E-02	6.24E-01	1.08E-02	6.86E-05	2.29E-05	3.45E-04	1.12E-02
353	489288.17	3859821.48	1.04E-02	5.67E-05	2.37E-05	3.23E-04	1.08E-02	1.09E-02	5.79E-01	2.16E-03	1.11E-02	6.03E-01	1.09E-02	6.63E-05	2.37E-05	3.23E-04	1.13E-02
354	489338.17	3859821.48	1.05E-02	5.52E-05	2.43E-05	3.04E-04	1.09E-02	1.09E-02	5.64E-01	2.22E-03	1.04E-02	5.88E-01	1.09E-02	6.46E-05	2.43E-05	3.04E-04	1.13E-02
355	489388.17	3859821.48	1.05E-02	5.38E-05	2.49E-05	2.86E-04	1.09E-02	1.10E-02	5.50E-01	2.27E-03	9.79E-03	5.73E-01	1.10E-02	6.29E-05	2.49E-05	2.86E-04	1.13E-02
356	489438.17	3859821.48	1.06E-02	5.22E-05	2.54E-05	2.70E-04	1.09E-02	1.10E-02	5.34E-01	2.31E-03	9.23E-03	5.56E-01	1.10E-02	6.11E-05	2.54E-05	2.70E-04	1.14E-02
357	489488.17	3859821.48	1.06E-02	5.07E-05	2.57E-05	2.55E-04	1.09E-02	1.11E-02	5.18E-01	2.35E-03	8.72E-03	5.41E-01	1.10E-02	5.94E-05	2.57E-05	2.55E-04	1.14E-02
358	489538.17	3859821.48	1.06E-02	4.93E-05	2.61E-05	2.41E-04	1.10E-02	1.11E-02	5.04E-01	2.38E-03	8.25E-03	5.25E-01	1.11E-02	5.77E-05	2.61E-05	2.41E-04	1.14E-02
359	489588.17	3859821.48	1.07E-02	4.81E-05	2.63E-05	2.29E-04	1.10E-02	1.11E-02	4.91E-01	2.40E-03	7.84E-03	5.13E-01	1.11E-02	5.63E-05	2.63E-05	2.29E-04	1.14E-02
360	489238.17	3859871.48	1.01E-02	5.94E-05	2.20E-05	3.34E-04	1.05E-02	1.05E-02	6.06E-01	2.01E-03	1.14E-02	6.30E-01	1.05E-02	6.95E-05	2.20E-05	3.34E-04	1.09E-02
361	489288.17	3859871.48	1.02E-02	5.76E-05	2.28E-05	3.13E-04	1.06E-02	1.06E-02	5.89E-01	2.08E-03	1.07E-02	6.12E-01	1.06E-02	6.74E-05	2.28E-05	3.13E-04	1.10E-02
362	489338.17	3859871.48	1.02E-02	5.57E-05	2.35E-05	2.95E-04	1.06E-02	1.07E-02	5.69E-01	2.15E-03	1.01E-02	5.92E-01	1.06E-02	6.52E-05	2.35E-05	2.95E-04	1.10E-02

363	489388.17	3859871.48	1.03E-02	5.40E-05	2.42E-05	2.77E-04	1.06E-02	1.07E-02	5.52E-01	2.21E-03	9.49E-03	5.74E-01	1.07E-02	6.32E-05	2.42E-05	2.77E-04	1.11E-02
364	489438.17	3859871.48	1.03E-02	5.22E-05	2.48E-05	2.62E-04	1.07E-02	1.08E-02	5.33E-01	2.26E-03	8.94E-03	5.55E-01	1.08E-02	6.11E-05	2.48E-05	2.62E-04	1.11E-02
365	489488.17	3859871.48	1.04E-02	5.03E-05	2.54E-05	2.47E-04	1.07E-02	1.09E-02	5.14E-01	2.32E-03	8.44E-03	5.36E-01	1.08E-02	5.89E-05	2.54E-05	2.47E-04	1.12E-02
366	489538.17	3859871.48	1.04E-02	4.92E-05	2.56E-05	2.34E-04	1.07E-02	1.09E-02	5.02E-01	2.34E-03	8.01E-03	5.24E-01	1.09E-02	5.75E-05	2.56E-05	2.34E-04	1.12E-02
367	489588.17	3859871.48	1.05E-02	4.79E-05	2.59E-05	2.22E-04	1.08E-02	1.09E-02	4.89E-01	2.36E-03	7.60E-03	5.10E-01	1.09E-02	5.60E-05	2.59E-05	2.22E-04	1.12E-02
368	489238.17	3859921.48	9.88E-03	6.07E-05	2.12E-05	3.20E-04	1.03E-02	1.03E-02	6.20E-01	1.93E-03	1.10E-02	6.43E-01	1.03E-02	7.10E-05	2.12E-05	3.20E-04	1.07E-02
369	489288.17	3859921.48	9.95E-03	5.82E-05	2.20E-05	3.01E-04	1.03E-02	1.04E-02	5.95E-01	2.01E-03	1.03E-02	6.17E-01	1.04E-02	6.81E-05	2.20E-05	3.01E-04	1.07E-02
370	489338.17	3859921.48	9.99E-03	5.63E-05	2.28E-05	2.84E-04	1.04E-02	1.04E-02	5.75E-01	2.08E-03	9.70E-03	5.98E-01	1.04E-02	6.59E-05	2.28E-05	2.84E-04	1.08E-02
371	489388.17	3859921.48	1.01E-02	5.43E-05	2.36E-05	2.67E-04	1.04E-02	1.05E-02	5.55E-01	2.15E-03	9.14E-03	5.77E-01	1.05E-02	6.36E-05	2.36E-05	2.67E-04	1.08E-02
372	489438.17	3859921.48	1.01E-02	5.21E-05	2.44E-05	2.52E-04	1.05E-02	1.06E-02	5.33E-01	2.23E-03	8.61E-03	5.54E-01	1.06E-02	6.10E-05	2.44E-05	2.52E-04	1.09E-02
373	489488.17	3859921.48	1.02E-02	5.05E-05	2.49E-05	2.38E-04	1.05E-02	1.06E-02	5.16E-01	2.27E-03	8.15E-03	5.37E-01	1.06E-02	5.91E-05	2.49E-05	2.38E-04	1.09E-02
374	489538.17	3859921.48	1.02E-02	4.91E-05	2.52E-05	2.26E-04	1.05E-02	1.07E-02	5.02E-01	2.30E-03	7.73E-03	5.23E-01	1.06E-02	5.75E-05	2.52E-05	2.26E-04	1.09E-02
375	489588.17	3859921.48	1.03E-02	4.76E-05	2.56E-05	2.14E-04	1.06E-02	1.07E-02	4.86E-01	2.34E-03	7.33E-03	5.06E-01	1.07E-02	5.56E-05	2.56E-05	2.14E-04	1.10E-02
376	489238.17	3859971.48	9.67E-03	6.20E-05	2.03E-05	3.04E-04	1.01E-02	1.01E-02	6.33E-01	1.86E-03	1.04E-02	6.55E-01	1.01E-02	7.25E-05	2.03E-05	3.04E-04	1.05E-02
377	489288.17	3859971.48	9.72E-03	5.96E-05	2.12E-05	2.86E-04	1.01E-02	1.01E-02	6.09E-01	1.94E-03	9.79E-03	6.31E-01	1.01E-02	6.97E-05	2.12E-05	2.86E-04	1.05E-02
378	489338.17	3859971.48	9.78E-03	5.73E-05	2.21E-05	2.70E-04	1.01E-02	1.02E-02	5.85E-01	2.02E-03	9.22E-03	6.07E-01	1.02E-02	6.70E-05	2.21E-05	2.70E-04	1.05E-02
379	489388.17	3859971.48	9.86E-03	5.48E-05	2.30E-05	2.54E-04	1.02E-02	1.03E-02	5.60E-01	2.10E-03	8.69E-03	5.81E-01	1.03E-02	6.41E-05	2.30E-05	2.54E-04	1.06E-02
380	489438.17	3859971.48	9.94E-03	5.21E-05	2.40E-05	2.40E-04	1.03E-02	1.04E-02	5.32E-01	2.19E-03	8.20E-03	5.53E-01	1.03E-02	6.09E-05	2.40E-05	2.40E-04	1.07E-02
381	489488.17	3859971.48	1.00E-02	4.91E-05	2.47E-05	2.26E-04	1.03E-02	1.05E-02	5.01E-01	2.26E-03	7.74E-03	5.22E-01	1.04E-02	5.74E-05	2.47E-05	2.26E-04	1.08E-02
382	489538.17	3859971.48	1.01E-02	4.69E-05	2.49E-05	2.15E-04	1.04E-02	1.05E-02	4.79E-01	2.27E-03	7.34E-03	4.99E-01	1.05E-02	5.48E-05	2.49E-05	2.15E-04	1.08E-02
383	489588.17	3859971.48	1.01E-02	4.51E-05	2.51E-05	2.04E-04	1.04E-02	1.06E-02	4.60E-01	2.29E-03	6.98E-03	4.80E-01	1.05E-02	5.27E-05	2.51E-05	2.04E-04	1.08E-02
384	483577.7	3854071	1.45E-02	1.77E-06	7.40E-06	2.45E-05	1.45E-02	1.51E-02	1.81E-02	6.75E-04	8.39E-04	3.47E-02	1.51E-02	2.07E-06	7.40E-06	2.45E-05	1.51E-02
385	483627.7	3854071	1.51E-02	1.73E-06	7.40E-06	2.48E-05	1.51E-02	1.57E-02	1.77E-02	6.75E-04	8.48E-04	3.50E-02	1.57E-02	2.03E-06	7.40E-06	2.48E-05	1.57E-02
386	483677.7	3854071	1.56E-02	1.69E-06	7.40E-06	2.50E-05	1.57E-02	1.63E-02	1.73E-02	6.75E-04	8.56E-04	3.51E-02	1.63E-02	1.98E-06	7.40E-06	2.50E-05	1.63E-02
387	483727.7	3854071	1.62E-02	1.64E-06	7.42E-06	2.53E-05	1.62E-02	1.69E-02	1.68E-02	6.77E-04	8.64E-04	3.52E-02	1.68E-02	1.92E-06	7.42E-06	2.53E-05	1.69E-02
388	483777.7	3854071	1.66E-02	1.58E-06	7.42E-06	2.57E-05	1.67E-02	1.74E-02	1.61E-02	6.77E-04	8.78E-04	3.50E-02	1.73E-02	1.84E-06	7.42E-06	2.57E-05	1.74E-02
389	483577.7	3854121	1.46E-02	1.83E-06	7.48E-06	2.60E-05	1.47E-02	1.53E-02	1.87E-02	6.83E-04	8.89E-04	3.56E-02	1.53E-02	2.14E-06	7.48E-06	2.60E-05	1.53E-02
390	483627.7	3854121	1.52E-02	1.77E-06	7.48E-06	2.63E-05	1.52E-02	1.58E-02	1.81E-02	6.83E-04	8.98E-04	3.55E-02	1.58E-02	2.07E-06	7.48E-06	2.63E-05	1.58E-02
391	483677.7	3854121	1.57E-02	1.70E-06	7.48E-06	2.65E-05	1.58E-02	1.64E-02	1.73E-02	6.83E-04	9.07E-04	3.53E-02	1.64E-02	1.98E-06	7.48E-06	2.65E-05	1.64E-02
392	483727.7	3854121	1.63E-02	1.62E-06	7.48E-06	2.69E-05	1.64E-02	1.70E-02	1.66E-02	6.83E-04	9.21E-04	3.52E-02	1.70E-02	1.90E-06	7.48E-06	2.69E-05	1.70E-02
393	483777.7	3854121	1.69E-02	1.58E-06	7.48E-06	2.75E-05	1.69E-02	1.76E-02	1.61E-02	6.83E-04	9.42E-04	3.53E-02	1.76E-02	1.84E-06	7.48E-06	2.75E-05	1.76E-02
394	483577.7	3854171	1.49E-02	1.84E-06	7.55E-06	2.77E-05	1.49E-02	1.55E-02	1.88E-02	6.88E-04	9.46E-04	3.59E-02	1.55E-02	2.15E-06	7.55E-06	2.77E-05	1.55E-02
395	483627.7	3854171	1.53E-02	1.75E-06	7.55E-06	2.80E-05	1.54E-02	1.60E-02	1.79E-02	6.88E-04	9.57E-04	3.55E-02	1.60E-02	2.05E-06	7.55E-06	2.80E-05	1.60E-02
396	483677.7	3854171	1.58E-02	1.69E-06	7.55E-06	2.84E-05	1.59E-02	1.65E-02	1.72E-02	6.88E-04	9.71E-04	3.54E-02	1.65E-02	1.97E-06	7.55E-06	2.84E-05	1.65E-02
397	483727.7	3854171	1.63E-02	1.64E-06	7.55E-06	2.90E-05	1.64E-02	1.70E-02	1.67E-02	6.88E-04	9.93E-04	3.54E-02	1.70E-02	1.91E-06	7.55E-06	2.90E-05	1.70E-02
398	483777.7	3854171	1.70E-02	1.58E-06	7.57E-06	2.98E-05	1.70E-02	1.77E-02	1.62E-02	6.90E-04	1.02E-03	3.56E-02	1.77E-02	1.85E-06	7.57E-06	2.98E-05	1.77E-02
399	483827.7	3854171	1.74E-02	1.51E-06	7.57E-06	3.07E-05	1.75E-02	1.82E-02	1.54E-02	6.90E-04	1.05E-03	3.54E-02	1.82E-02	1.77E-06	7.57E-06	3.07E-05	1.82E-02
400	483877.7	3854171	1.79E-02	1.48E-06	7.57E-06	3.15E-05	1.79E-02	1.87E-02	1.51E-02	6.90E-04	1.08E-03	3.55E-02	1.86E-02	1.73E-06	7.57E-06	3.15E-05	1.87E-02
401	483727.7	3854221	1.64E-02	1.67E-06	7.63E-06	3.17E-05	1.65E-02	1.71E-02	1.70E-02	6.96E-04	1.08E-03	3.59E-02	1.71E-02	1.95E-06	7.63E-06	3.17E-05	1.71E-02
402	483777.7	3854221	1.70E-02	1.61E-06	7.63E-06	3.27E-05	1.70E-02	1.77E-02	1.64E-02	6.96E-04	1.12E-03	3.59E-02	1.77E-02	1.88E-06	7.63E-06	3.27E-05	1.77E-02
403	483827.7	3854221	1.77E-02	1.59E-06	7.65E-06	3.36E-05	1.77E-02	1.84E-02	1.63E-02	6.98E-04	1.15E-03	3.66E-02	1.84E-02	1.87E-06	7.65E-06	3.36E-05	1.84E-02
404	483877.7	3854221	1.82E-02	1.54E-06	7.65E-06	3.45E-05	1.82E-02	1.90E-02	1.57E-02	6.98E-04	1.18E-03	3.66E-02	1.90E-02	1.80E-06	7.65E-06	3.45E-05	1.90E-02
405	489150.19	3858726.45	1.83E-02	4.43E-05	1.10E-04	1.40E-04	1.86E-02	1.91E-02	4.52E-01	1.00E-02	4.79E-03	4.86E-01	1.91E-02	5.18E-05	1.10E-04	1.40E-04	1.94E-02
406	489200.19	3858726.45	1.84E-02	4.34E-05	1.14E-04	1.38E-04	1.87E-02	1.92E-02	4.43E-01	1.04E-02	4.73E-03	4.77E-01	1.91E-02	5.07E-05	1.14E-04	1.38E-04	1.94E-02
407	489150.19	3858776.45	1.74E-02	4.82E-05	9.39E-05	1.47E-04	1.77E-02	1.82E-02	4.93E-01	8.56E-03	5.03E-03	5.24E-01	1.82E-02	5.64E-05	9.39E-05	1.47E-04	1.85E-02
408	489200.19	3858776.45	1.77E-02	4.69E-05	9.77E-05	1.45E-04	1.79E-02	1.84E-02	4.79E-01	8.91E-03	4.97E-03	5.11E-01	1.84E-02	5.48E-05	9.77E-05	1.45E-04	1.87E-02
409	488919.6	3856400.76	1.29E-01	1.05E-05	3.71E-05	5.72E-05	1.29E-01	1.35E-01	1.07E-01	3.38E-03	1.96E-03	2.48E-01	1.35E-01	1.23E-05	3.71E-05	5.72E-05	1.35E-01
410	488919.6	3856450.76	1.30E-01	1.08E-05	3.84E-05	5.64E-05	1.31E-01	1.36E-01	1.10E-01	3.50E-03	1.93E-03	2.52E-01	1.36E-01	1.26E-05	3.84E-05	5.64E-05	1.36E-01
411	488969.6	3856450.76	1.27E-01	1.07E-05	3.88E-05	5.61E-05	1.28E-01	1.33E-01	1.09E-01	3.54E-03	1.92E-03	2.48E-01	1.33E-01	1.25E-05	3.88E-05	5.61E-05	1.33E-01
412	488919.6	3856500.76	1.31E-01	1.11E-05	3.98E-05	5.57E-05	1.31E-01	1.37E-01	1.13E-01	3.63E-03	1.91E-03	2.56E-01	1.37E-01	1.30E-05	3.98E-05	5.57E-05	1.37E-01
413	488969.6	3856500.76	1.28E-01	1.10E-05	4.03E-05	5.54E-05	1.28E-01	1.34E-01	1.12E-01	3.68E-03	1.89E-03	2.52E-01	1.33E-01	1.29E-05	4.03E-05	5.54E-05	1.34E-01
414	488919.6	3856550.76	1.32E-01	1.14E-05	4.15E-05	5.51E-05	1.32E-01	1.37E-01	1.16E-01	3.78E-03	1.88E-03	2.59E-01	1.37E-01	1.33E-05	4.15E-05	5.51E-05	1.37E-01
415	488969.6	3856550.76	1.28E-01	1.13E-05	4.22E-05	5.48E-05	1.29E-01	1.34E-01	1.15E-01	3.85E-03	1.87E-03	2.55E-01	1.34E-01	1.32E-05	4.22E-05	5.48E-05	1.34E-01
416	488819.6	3856600.76	1.39E-01	1.19E-05	4.21E-05	5.50E-05	1.39E-01	1.45E-01	1.21E-01	3.84E-03	1.88E-03	2.72E-01	1.44E-01	1.39E-05	4.21E-05	5.50E-05	1.44E-01
417	488869.6	3856600.76	1.35E-01	1.17E-05	4.27E-05	5.47E-05	1.35E-01	1.41E-01	1.20E-01	3.90E-03	1.87E-03	2.67E-01	1.41E-01	1.37E-05	4.27E-05	5.47E-05	1.41E-01
418	488919.6	3856600.76	1.32E-01	1.17E-05	4.35E-05	5.45E-05	1.32E-01	1.37E-01	1.19E-01	3.97E-03	1.86E-03	2.62E-01	1.37E-01	1.36E-05	4.35E-05	5.45E-05	1.37E-01
419	488819.6	3856650.76	1.38E-01	1.22E-05	4.41E-05	5.44E-05	1.38E-01	1.44E-01	1.24E-01	4.02E-03	1.86E-03	2.74E-01	1.44E-01	1.42E-05	4.41E-05	5.44E-05	1.44E-01
420	488869.6	3856650.76	1.35E-01	1.20E-05	4.49E-05	5.42E-05	1.35E-01	1.41E-01	1.23E-01	4.10E-03	1.85E-03	2.69E-01	1.40E-01	1.41E-05	4.49E-05	5.42E-05	1.40E-01
421	488819.6	3856700.76	1.37E-01	1.25E-05	4.64E-05	5.39E-05	1.38E-01	1.43E-01	1.27E-01	4.23E-03	1.85E-03	2.77E-01	1.43E-01	1.46E-05	4.64E-05	5.39E-05	1.43E-01
422	488869.6	3856700.76	1.34E-01	1.23E-05	4.76E-05	5.38E-05	1.34E-01	1.40E-01	1.26E-01	4.34E-03	1.84E-03	2.72E-01	1.39E-01	1.44E-05	4.76E-05	5.38E-05	1.39E-01
423	488819.6	3856750.76	1.36E-01	1.27E-05	4.93E-05	5.36E-05	1.36E-01	1.42E-01	1.30E-01	4.50E-03	1.83E-03	2.78E-01	1.42E-01	1.49E-05	4.93E-05	5.36E-05	1.42E-01

424	488869.6	3856750.76	1.32E-01	1.26E-05	5.10E-05	5.35E-05	1.33E-01	1.38E-01	1.29E-01	4.65E-03	1.83E-03	2.73E-01	1.38E-01	1.47E-05	5.10E-05	5.35E-05	1.38E-01
425	488819.6	3857050.76	1.17E-01	1.45E-05	9.57E-05	5.34E-05	1.17E-01	1.22E-01	1.48E-01	8.73E-03	1.83E-03	2.81E-01	1.22E-01	1.69E-05	9.57E-05	5.34E-05	1.22E-01
426	488869.6	3857050.76	1.14E-01	1.44E-05	1.06E-04	5.35E-05	1.14E-01	1.19E-01	1.47E-01	9.67E-03	1.83E-03	2.77E-01	1.19E-01	1.68E-05	1.06E-04	5.35E-05	1.19E-01
427	488919.6	3857050.76	1.11E-01	1.42E-05	1.17E-04	5.36E-05	1.12E-01	1.16E-01	1.45E-01	1.07E-02	1.83E-03	2.74E-01	1.16E-01	1.66E-05	1.17E-04	5.36E-05	1.16E-01
428	488819.6	3857100.76	1.13E-01	1.48E-05	1.13E-04	5.37E-05	1.13E-01	1.18E-01	1.51E-01	1.03E-02	1.84E-03	2.81E-01	1.17E-01	1.73E-05	1.13E-04	5.37E-05	1.18E-01
429	488869.6	3857100.76	1.10E-01	1.46E-05	1.26E-04	5.38E-05	1.10E-01	1.15E-01	1.50E-01	1.15E-02	1.84E-03	2.78E-01	1.15E-01	1.71E-05	1.26E-04	5.38E-05	1.15E-01
430	488919.6	3857100.76	1.07E-01	1.45E-05	1.38E-04	5.38E-05	1.07E-01	1.12E-01	1.48E-01	1.26E-02	1.84E-03	2.75E-01	1.12E-01	1.70E-05	1.38E-04	5.38E-05	1.12E-01
431	488819.6	3857150.76	1.08E-01	1.51E-05	1.36E-04	5.41E-05	1.08E-01	1.13E-01	1.54E-01	1.24E-02	1.85E-03	2.81E-01	1.13E-01	1.77E-05	1.36E-04	5.41E-05	1.13E-01
432	488869.6	3857150.76	1.06E-01	1.50E-05	1.50E-04	5.42E-05	1.06E-01	1.10E-01	1.53E-01	1.37E-02	1.85E-03	2.79E-01	1.10E-01	1.75E-05	1.50E-04	5.42E-05	1.10E-01
433	488919.6	3857150.76	1.03E-01	1.48E-05	1.65E-04	5.42E-05	1.03E-01	1.08E-01	1.52E-01	1.50E-02	1.85E-03	2.76E-01	1.07E-01	1.74E-05	1.65E-04	5.42E-05	1.08E-01
434	488969.6	3857150.76	1.01E-01	1.47E-05	1.79E-04	5.43E-05	1.01E-01	1.05E-01	1.50E-01	1.63E-02	1.86E-03	2.73E-01	1.05E-01	1.72E-05	1.79E-04	5.43E-05	1.05E-01
435	488819.6	3857200.76	1.03E-01	1.54E-05	1.64E-04	5.46E-05	1.04E-01	1.08E-01	1.58E-01	1.50E-02	1.87E-03	2.82E-01	1.08E-01	1.80E-05	1.64E-04	5.46E-05	1.08E-01
436	488869.6	3857200.76	1.01E-01	1.53E-05	1.81E-04	5.47E-05	1.01E-01	1.05E-01	1.56E-01	1.65E-02	1.87E-03	2.80E-01	1.05E-01	1.79E-05	1.81E-04	5.47E-05	1.05E-01
437	488919.6	3857200.76	9.87E-02	1.52E-05	1.98E-04	5.47E-05	9.89E-02	1.03E-01	1.55E-01	1.80E-02	1.87E-03	2.78E-01	1.03E-01	1.77E-05	1.98E-04	5.47E-05	1.03E-01
438	488969.6	3857200.76	9.65E-02	1.50E-05	2.13E-04	5.48E-05	9.68E-02	1.01E-01	1.53E-01	1.95E-02	1.87E-03	2.76E-01	1.01E-01	1.76E-05	2.13E-04	5.48E-05	1.01E-01
439	488819.6	3857250.76	9.85E-02	1.58E-05	2.01E-04	5.53E-05	9.88E-02	1.03E-01	1.61E-01	1.83E-02	1.89E-03	2.84E-01	1.03E-01	1.84E-05	2.01E-04	5.53E-05	1.03E-01
440	488869.6	3857250.76	9.64E-02	1.56E-05	2.21E-04	5.53E-05	9.67E-02	1.01E-01	1.60E-01	2.01E-02	1.89E-03	2.82E-01	1.00E-01	1.83E-05	2.21E-04	5.53E-05	1.01E-01
441	488919.6	3857250.76	9.43E-02	1.55E-05	2.40E-04	5.54E-05	9.46E-02	9.84E-02	1.58E-01	2.19E-02	1.89E-03	2.80E-01	9.82E-02	1.81E-05	2.40E-04	5.54E-05	9.85E-02
442	488969.6	3857250.76	9.23E-02	1.54E-05	2.58E-04	5.54E-05	9.27E-02	9.63E-02	1.57E-01	2.35E-02	1.89E-03	2.79E-01	9.61E-02	1.80E-05	2.58E-04	5.54E-05	9.65E-02
443	488819.6	3857300.76	9.36E-02	1.61E-05	2.49E-04	5.61E-05	9.40E-02	9.77E-02	1.65E-01	2.27E-02	1.92E-03	2.87E-01	9.75E-02	1.89E-05	2.49E-04	5.61E-05	9.78E-02
444	488869.6	3857300.76	9.17E-02	1.60E-05	2.72E-04	5.61E-05	9.21E-02	9.57E-02	1.63E-01	2.48E-02	1.92E-03	2.86E-01	9.55E-02	1.87E-05	2.72E-04	5.61E-05	9.59E-02
445	488919.6	3857300.76	8.98E-02	1.59E-05	2.94E-04	5.61E-05	9.02E-02	9.37E-02	1.62E-01	2.68E-02	1.92E-03	2.84E-01	9.36E-02	1.85E-05	2.94E-04	5.61E-05	9.39E-02
446	488819.6	3857450.76	7.92E-02	1.73E-05	5.07E-04	5.94E-05	7.97E-02	8.26E-02	1.77E-01	4.62E-02	2.03E-03	3.07E-01	8.24E-02	2.02E-05	5.07E-04	5.94E-05	8.30E-02
447	488869.6	3857450.76	7.80E-02	1.71E-05	5.42E-04	5.93E-05	7.86E-02	8.13E-02	1.75E-01	4.95E-02	2.03E-03	3.08E-01	8.12E-02	2.00E-05	5.42E-04	5.93E-05	8.18E-02
448	488919.6	3857450.76	7.67E-02	1.70E-05	5.74E-04	5.93E-05	7.73E-02	8.00E-02	1.74E-01	5.23E-02	2.03E-03	3.08E-01	7.98E-02	1.99E-05	5.74E-04	5.93E-05	8.05E-02
449	488819.6	3857500.76	7.46E-02	1.77E-05	6.55E-04	6.08E-05	7.53E-02	7.78E-02	1.81E-01	5.98E-02	2.08E-03	3.20E-01	7.76E-02	2.07E-05	6.55E-04	6.08E-05	7.84E-02
450	488869.6	3857500.76	7.35E-02	1.76E-05	6.92E-04	6.08E-05	7.42E-02	7.67E-02	1.79E-01	6.31E-02	2.08E-03	3.21E-01	7.65E-02	2.06E-05	6.92E-04	6.08E-05	7.73E-02
451	488919.6	3857500.76	7.24E-02	1.74E-05	7.21E-04	6.08E-05	7.32E-02	7.55E-02	1.78E-01	6.57E-02	2.08E-03	3.22E-01	7.54E-02	2.04E-05	7.21E-04	6.08E-05	7.62E-02
452	488819.6	3857550.76	7.00E-02	1.82E-05	8.47E-04	6.25E-05	7.10E-02	7.31E-02	1.85E-01	7.73E-02	2.14E-03	3.38E-01	7.29E-02	2.12E-05	8.47E-04	6.25E-05	7.39E-02
453	488869.6	3857550.76	6.92E-02	1.80E-05	8.77E-04	6.25E-05	7.01E-02	7.22E-02	1.84E-01	8.00E-02	2.14E-03	3.38E-01	7.20E-02	2.11E-05	8.77E-04	6.25E-05	7.30E-02
454	488919.6	3857550.76	6.83E-02	1.79E-05	8.97E-04	6.26E-05	6.92E-02	7.12E-02	1.83E-01	8.18E-02	2.14E-03	3.38E-01	7.11E-02	2.09E-05	8.97E-04	6.26E-05	7.21E-02
455	489663.71	3860900.05	6.53E-03	2.09E-05	1.36E-05	3.70E-05	6.60E-03	6.81E-03	2.14E-01	1.24E-03	1.26E-03	2.23E-01	6.80E-03	2.45E-05	1.36E-05	3.70E-05	6.87E-03
456	489813.71	3860900.05	6.56E-03	2.04E-05	1.52E-05	3.61E-05	6.64E-03	6.85E-03	2.08E-01	1.38E-03	1.23E-03	2.18E-01	6.84E-03	2.38E-05	1.52E-05	3.61E-05	6.91E-03
457	489863.71	3860900.05	6.56E-03	2.01E-05	1.56E-05	3.58E-05	6.64E-03	6.85E-03	2.06E-01	1.43E-03	1.22E-03	2.15E-01	6.84E-03	2.36E-05	1.56E-05	3.58E-05	6.91E-03
458	489913.71	3860900.05	6.58E-03	2.00E-05	1.61E-05	3.56E-05	6.66E-03	6.87E-03	2.04E-01	1.47E-03	1.22E-03	2.14E-01	6.86E-03	2.34E-05	1.61E-05	3.56E-05	6.93E-03
459	489963.71	3860900.05	6.58E-03	1.97E-05	1.66E-05	3.53E-05	6.66E-03	6.87E-03	2.02E-01	1.51E-03	1.21E-03	2.11E-01	6.86E-03	2.31E-05	1.66E-05	3.53E-05	6.93E-03
460	490013.71	3860900.05	6.60E-03	1.96E-05	1.70E-05	3.52E-05	6.67E-03	6.89E-03	2.00E-01	1.55E-03	1.20E-03	2.10E-01	6.87E-03	2.29E-05	1.70E-05	3.52E-05	6.95E-03
461	490063.71	3860900.05	6.61E-03	1.93E-05	1.73E-05	3.50E-05	6.68E-03	6.90E-03	1.98E-01	1.58E-03	1.20E-03	2.07E-01	6.88E-03	2.26E-05	1.73E-05	3.50E-05	6.96E-03
462	489663.71	3860950.05	6.40E-03	1.90E-05	1.31E-05	3.38E-05	6.47E-03	6.68E-03	1.94E-01	1.20E-03	1.16E-03	2.03E-01	6.67E-03	2.22E-05	1.31E-05	3.38E-05	6.74E-03
463	489813.71	3860950.05	6.44E-03	1.86E-05	1.46E-05	3.32E-05	6.51E-03	6.72E-03	1.90E-01	1.34E-03	1.14E-03	2.00E-01	6.71E-03	2.18E-05	1.46E-05	3.32E-05	6.78E-03
464	489863.71	3860950.05	6.44E-03	1.85E-05	1.51E-05	3.29E-05	6.51E-03	6.72E-03	1.89E-01	1.38E-03	1.13E-03	1.98E-01	6.71E-03	2.16E-05	1.51E-05	3.29E-05	6.78E-03
465	489913.71	3860950.05	6.45E-03	1.83E-05	1.56E-05	3.28E-05	6.52E-03	6.73E-03	1.87E-01	1.43E-03	1.12E-03	1.97E-01	6.72E-03	2.15E-05	1.56E-05	3.28E-05	6.79E-03
466	489963.71	3860950.05	6.46E-03	1.82E-05	1.61E-05	3.26E-05	6.53E-03	6.74E-03	1.86E-01	1.47E-03	1.11E-03	1.95E-01	6.73E-03	2.13E-05	1.61E-05	3.26E-05	6.80E-03
467	490013.71	3860950.05	6.47E-03	1.80E-05	1.65E-05	3.24E-05	6.54E-03	6.75E-03	1.84E-01	1.50E-03	1.11E-03	1.94E-01	6.74E-03	2.11E-05	1.65E-05	3.24E-05	6.81E-03
468	490063.71	3860950.05	6.48E-03	1.79E-05	1.69E-05	3.24E-05	6.55E-03	6.76E-03	1.83E-01	1.54E-03	1.11E-03	1.92E-01	6.75E-03	2.09E-05	1.69E-05	3.24E-05	6.82E-03
469	489513.71	3861000.05	6.25E-03	1.77E-05	1.15E-05	3.13E-05	6.31E-03	6.52E-03	1.80E-01	1.05E-03	1.07E-03	1.89E-01	6.51E-03	2.07E-05	1.15E-05	3.13E-05	6.57E-03
470	489563.71	3861000.05	6.26E-03	1.76E-05	1.18E-05	3.12E-05	6.32E-03	6.53E-03	1.79E-01	1.08E-03	1.07E-03	1.88E-01	6.52E-03	2.05E-05	1.18E-05	3.12E-05	6.58E-03
471	489613.71	3861000.05	6.28E-03	1.75E-05	1.22E-05	3.12E-05	6.34E-03	6.55E-03	1.79E-01	1.12E-03	1.07E-03	1.88E-01	6.53E-03	2.05E-05	1.22E-05	3.12E-05	6.60E-03
472	489663.71	3861000.05	6.29E-03	1.74E-05	1.27E-05	3.11E-05	6.35E-03	6.56E-03	1.78E-01	1.16E-03	1.06E-03	1.87E-01	6.55E-03	2.04E-05	1.27E-05	3.11E-05	6.61E-03
473	489713.71	3861000.05	6.29E-03	1.73E-05	1.31E-05	3.10E-05	6.36E-03	6.57E-03	1.77E-01	1.20E-03	1.06E-03	1.86E-01	6.55E-03	2.02E-05	1.31E-05	3.10E-05	6.62E-03
474	489763.71	3861000.05	6.30E-03	1.72E-05	1.36E-05	3.08E-05	6.37E-03	6.58E-03	1.76E-01	1.24E-03	1.05E-03	1.85E-01	6.56E-03	2.01E-05	1.36E-05	3.08E-05	6.63E-03
475	489813.71	3861000.05	6.33E-03	1.71E-05	1.42E-05	3.07E-05	6.39E-03	6.60E-03	1.75E-01	1.29E-03	1.05E-03	1.84E-01	6.59E-03	2.00E-05	1.42E-05	3.07E-05	6.65E-03
476	489863.71	3861000.05	6.33E-03	1.70E-05	1.46E-05	3.05E-05	6.39E-03	6.60E-03	1.74E-01	1.34E-03	1.04E-03	1.83E-01	6.59E-03	1.99E-05	1.46E-05	3.05E-05	6.65E-03
477	489913.71	3861000.05	6.34E-03	1.69E-05	1.52E-05	3.04E-05	6.40E-03	6.61E-03	1.73E-01	1.38E-03	1.04E-03	1.82E-01	6.60E-03	1.98E-05	1.52E-05	3.04E-05	6.67E-03
478	489963.71	3861000.05	6.34E-03	1.68E-05	1.56E-05	3.02E-05	6.40E-03	6.61E-03	1.71E-01	1.42E-03	1.03E-03	1.80E-01	6.60E-03	1.96E-05	1.56E-05	3.02E-05	6.67E-03
479	490013.71	3861000.05	6.35E-03	1.67E-05	1.60E-05	3.01E-05	6.41E-03	6.62E-03	1.70E-01	1.46E-03	1.03E-03	1.80E-01	6.61E-03	1.95E-05	1.60E-05	3.01E-05	6.68E-03
480	490063.71	3861000.05	6.35E-03	1.66E-05	1.64E-05	3.00E-05	6.42E-03	6.63E-03	1.69E-01	1.50E-03	1.02E-03	1.78E-01	6.62E-03	1.94E-05	1.64E-05	3.00E-05	6.68E-03
481	489513.71	3861050.05	6.14E-03	1.62E-05	1.12E-05	2.89E-05	6.20E-03	6.41E-03	1.65E-01	1.02E-03	9.89E-04	1.74E-01	6.40E-03	1.89E-05	1.12E-05	2.89E-05	6.46E-03
482	489563.71	3861050.05	6.15E-03	1.61E-05	1.15E-05	2.88E-05	6.21E-03	6.42E-03	1.65E-01	1.05E-03	9.84E-04	1.73E-01	6.40E-03	1.89E-05	1.15E-05	2.88E-05	6.46E-03
483	489613.71	3861050.05	6.17E-03	1.61E-05	1.19E-05	2.88E-05	6.23E-03	6.44E-03	1.65E-01	1.08E-03	9.84E-04	1.73E-01	6.42E-03	1.89E-05	1.19E-05	2.88E-05	6.48E-03
484	489663.71	3861050.05	6.17E-03	1.60E-05	1.23E-05	2.87E-05	6.23E-03	6.44E-03	1.64E-01	1.12E-03	9.81E-04	1.72E-01	6.43E-03	1.87E-05	1.23E-05	2.87E-05	6.49E-03

485	489713.71	3861050.05	6.18E-03	1.59E-05	1.27E-05	2.86E-05	6.23E-03	6.44E-03	1.63E-01	1.16E-03	9.78E-04	1.71E-01	6.43E-03	1.86E-05	1.27E-05	2.86E-05	6.49E-03
486	489763.71	3861050.05	6.19E-03	1.59E-05	1.32E-05	2.85E-05	6.25E-03	6.46E-03	1.62E-01	1.20E-03	9.76E-04	1.71E-01	6.44E-03	1.85E-05	1.32E-05	2.85E-05	6.50E-03
487	489813.71	3861050.05	6.20E-03	1.58E-05	1.37E-05	2.85E-05	6.26E-03	6.47E-03	1.61E-01	1.25E-03	9.73E-04	1.70E-01	6.46E-03	1.85E-05	1.37E-05	2.85E-05	6.52E-03
488	489863.71	3861050.05	6.21E-03	1.57E-05	1.42E-05	2.84E-05	6.27E-03	6.48E-03	1.60E-01	1.29E-03	9.70E-04	1.69E-01	6.47E-03	1.84E-05	1.42E-05	2.84E-05	6.53E-03
489	489913.71	3861050.05	6.22E-03	1.56E-05	1.46E-05	2.82E-05	6.28E-03	6.49E-03	1.60E-01	1.34E-03	9.65E-04	1.68E-01	6.48E-03	1.83E-05	1.46E-05	2.82E-05	6.54E-03
490	489963.71	3861050.05	6.23E-03	1.55E-05	1.51E-05	2.81E-05	6.28E-03	6.50E-03	1.59E-01	1.38E-03	9.61E-04	1.68E-01	6.48E-03	1.82E-05	1.51E-05	2.81E-05	6.54E-03
491	490013.71	3861050.05	6.24E-03	1.55E-05	1.56E-05	2.80E-05	6.30E-03	6.51E-03	1.58E-01	1.42E-03	9.58E-04	1.67E-01	6.49E-03	1.81E-05	1.56E-05	2.80E-05	6.56E-03
492	490063.71	3861050.05	6.24E-03	1.54E-05	1.60E-05	2.79E-05	6.30E-03	6.51E-03	1.57E-01	1.46E-03	9.54E-04	1.66E-01	6.50E-03	1.80E-05	1.60E-05	2.79E-05	6.56E-03
493	489513.71	3861100.05	6.05E-03	1.50E-05	1.09E-05	2.70E-05	6.10E-03	6.31E-03	1.53E-01	9.91E-04	9.23E-04	1.61E-01	6.30E-03	1.75E-05	1.09E-05	2.70E-05	6.35E-03
494	489563.71	3861100.05	6.04E-03	1.49E-05	1.12E-05	2.68E-05	6.09E-03	6.30E-03	1.52E-01	1.02E-03	9.16E-04	1.60E-01	6.29E-03	1.74E-05	1.12E-05	2.68E-05	6.34E-03
495	489613.71	3861100.05	6.03E-03	1.48E-05	1.15E-05	2.66E-05	6.08E-03	6.29E-03	1.51E-01	1.05E-03	9.10E-04	1.59E-01	6.28E-03	1.73E-05	1.15E-05	2.66E-05	6.34E-03
496	489663.71	3861100.05	6.04E-03	1.48E-05	1.19E-05	2.66E-05	6.10E-03	6.31E-03	1.51E-01	1.08E-03	9.09E-04	1.59E-01	6.29E-03	1.73E-05	1.19E-05	2.66E-05	6.35E-03
497	489713.71	3861100.05	6.06E-03	1.47E-05	1.23E-05	2.65E-05	6.11E-03	6.32E-03	1.50E-01	1.12E-03	9.07E-04	1.59E-01	6.31E-03	1.72E-05	1.23E-05	2.65E-05	6.36E-03
498	489763.71	3861100.05	6.07E-03	1.47E-05	1.27E-05	2.65E-05	6.12E-03	6.33E-03	1.50E-01	1.16E-03	9.06E-04	1.58E-01	6.32E-03	1.71E-05	1.27E-05	2.65E-05	6.38E-03
499	489813.71	3861100.05	6.08E-03	1.46E-05	1.32E-05	2.65E-05	6.14E-03	6.35E-03	1.49E-01	1.21E-03	9.06E-04	1.58E-01	6.34E-03	1.71E-05	1.32E-05	2.65E-05	6.39E-03
500	489863.71	3861100.05	6.10E-03	1.46E-05	1.37E-05	2.65E-05	6.16E-03	6.37E-03	1.49E-01	1.25E-03	9.05E-04	1.57E-01	6.36E-03	1.71E-05	1.37E-05	2.65E-05	6.41E-03
501	489913.71	3861100.05	6.11E-03	1.45E-05	1.42E-05	2.63E-05	6.16E-03	6.37E-03	1.48E-01	1.29E-03	9.01E-04	1.57E-01	6.36E-03	1.70E-05	1.42E-05	2.63E-05	6.42E-03
502	489963.71	3861100.05	6.11E-03	1.44E-05	1.46E-05	2.62E-05	6.17E-03	6.38E-03	1.47E-01	1.34E-03	8.97E-04	1.56E-01	6.37E-03	1.69E-05	1.46E-05	2.62E-05	6.42E-03
503	490013.71	3861100.05	6.12E-03	1.44E-05	1.51E-05	2.61E-05	6.17E-03	6.38E-03	1.47E-01	1.38E-03	8.94E-04	1.55E-01	6.37E-03	1.68E-05	1.51E-05	2.61E-05	6.43E-03
504	490063.71	3861100.05	6.12E-03	1.43E-05	1.55E-05	2.61E-05	6.18E-03	6.39E-03	1.46E-01	1.42E-03	8.92E-04	1.55E-01	6.37E-03	1.67E-05	1.55E-05	2.61E-05	6.43E-03
505	489713.71	3861150.05	5.94E-03	1.36E-05	1.19E-05	2.48E-05	5.99E-03	6.20E-03	1.39E-01	1.09E-03	8.47E-04	1.48E-01	6.19E-03	1.60E-05	1.19E-05	2.48E-05	6.24E-03
506	489763.71	3861150.05	5.96E-03	1.36E-05	1.23E-05	2.48E-05	6.01E-03	6.22E-03	1.39E-01	1.12E-03	8.47E-04	1.47E-01	6.20E-03	1.59E-05	1.23E-05	2.48E-05	6.26E-03
507	489813.71	3861150.05	5.97E-03	1.36E-05	1.28E-05	2.47E-05	6.02E-03	6.23E-03	1.39E-01	1.17E-03	8.46E-04	1.47E-01	6.22E-03	1.59E-05	1.28E-05	2.47E-05	6.27E-03
508	489863.71	3861150.05	5.98E-03	1.35E-05	1.32E-05	2.47E-05	6.04E-03	6.24E-03	1.38E-01	1.21E-03	8.45E-04	1.47E-01	6.23E-03	1.58E-05	1.32E-05	2.47E-05	6.29E-03
509	489913.71	3861150.05	5.99E-03	1.35E-05	1.37E-05	2.47E-05	6.04E-03	6.25E-03	1.38E-01	1.25E-03	8.44E-04	1.46E-01	6.24E-03	1.58E-05	1.37E-05	2.47E-05	6.29E-03
510	489963.71	3861150.05	6.00E-03	1.34E-05	1.42E-05	2.46E-05	6.05E-03	6.26E-03	1.37E-01	1.29E-03	8.41E-04	1.46E-01	6.24E-03	1.57E-05	1.42E-05	2.46E-05	6.30E-03
511	490013.71	3861150.05	6.00E-03	1.34E-05	1.46E-05	2.45E-05	6.05E-03	6.26E-03	1.37E-01	1.33E-03	8.38E-04	1.45E-01	6.25E-03	1.56E-05	1.46E-05	2.45E-05	6.30E-03
512	490063.71	3861150.05	6.01E-03	1.33E-05	1.51E-05	2.45E-05	6.06E-03	6.27E-03	1.36E-01	1.37E-03	8.36E-04	1.45E-01	6.26E-03	1.56E-05	1.51E-05	2.45E-05	6.31E-03
513	489613.71	3861200.05	5.81E-03	1.27E-05	1.08E-05	2.34E-05	5.85E-03	6.06E-03	1.30E-01	9.87E-04	8.02E-04	1.38E-01	6.05E-03	1.49E-05	1.08E-05	2.34E-05	6.10E-03
514	489663.71	3861200.05	5.82E-03	1.27E-05	1.12E-05	2.34E-05	5.87E-03	6.07E-03	1.30E-01	1.02E-03	7.99E-04	1.38E-01	6.06E-03	1.49E-05	1.12E-05	2.34E-05	6.11E-03
515	489713.71	3861200.05	5.83E-03	1.27E-05	1.15E-05	2.33E-05	5.88E-03	6.08E-03	1.30E-01	1.05E-03	7.97E-04	1.38E-01	6.07E-03	1.49E-05	1.15E-05	2.33E-05	6.12E-03
516	489763.71	3861200.05	5.84E-03	1.27E-05	1.19E-05	2.33E-05	5.89E-03	6.10E-03	1.30E-01	1.09E-03	7.96E-04	1.38E-01	6.09E-03	1.49E-05	1.19E-05	2.33E-05	6.14E-03
517	489813.71	3861200.05	5.86E-03	1.27E-05	1.24E-05	2.32E-05	5.91E-03	6.11E-03	1.30E-01	1.13E-03	7.95E-04	1.38E-01	6.10E-03	1.48E-05	1.24E-05	2.32E-05	6.15E-03
518	489863.71	3861200.05	5.88E-03	1.27E-05	1.28E-05	2.32E-05	5.93E-03	6.13E-03	1.29E-01	1.17E-03	7.94E-04	1.37E-01	6.12E-03	1.48E-05	1.28E-05	2.32E-05	6.17E-03
519	489913.71	3861200.05	5.89E-03	1.26E-05	1.33E-05	2.32E-05	5.93E-03	6.14E-03	1.29E-01	1.21E-03	7.94E-04	1.37E-01	6.13E-03	1.48E-05	1.33E-05	2.32E-05	6.18E-03
520	489963.71	3861200.05	5.89E-03	1.26E-05	1.37E-05	2.31E-05	5.94E-03	6.14E-03	1.28E-01	1.25E-03	7.91E-04	1.36E-01	6.13E-03	1.47E-05	1.37E-05	2.31E-05	6.18E-03
521	490013.71	3861200.05	5.90E-03	1.25E-05	1.42E-05	2.31E-05	5.95E-03	6.15E-03	1.28E-01	1.29E-03	7.90E-04	1.36E-01	6.14E-03	1.46E-05	1.42E-05	2.31E-05	6.19E-03
522	490063.71	3861200.05	5.90E-03	1.25E-05	1.46E-05	2.30E-05	5.95E-03	6.16E-03	1.27E-01	1.33E-03	7.88E-04	1.36E-01	6.14E-03	1.46E-05	1.46E-05	2.30E-05	6.20E-03
523	489513.71	3861250.05	5.68E-03	1.19E-05	9.97E-06	2.22E-05	5.72E-03	5.92E-03	1.21E-01	9.09E-04	7.58E-04	1.29E-01	5.91E-03	1.39E-05	9.97E-06	2.22E-05	5.96E-03
524	489563.71	3861250.05	5.69E-03	1.19E-05	1.02E-05	2.22E-05	5.74E-03	5.94E-03	1.22E-01	9.35E-04	7.59E-04	1.29E-01	5.93E-03	1.39E-05	1.02E-05	2.22E-05	5.97E-03
525	489613.71	3861250.05	5.71E-03	1.19E-05	1.05E-05	2.22E-05	5.75E-03	5.95E-03	1.22E-01	9.60E-04	7.58E-04	1.29E-01	5.94E-03	1.39E-05	1.05E-05	2.22E-05	5.99E-03
526	489663.71	3861250.05	5.71E-03	1.19E-05	1.08E-05	2.21E-05	5.76E-03	5.96E-03	1.22E-01	9.89E-04	7.56E-04	1.29E-01	5.95E-03	1.39E-05	1.08E-05	2.21E-05	6.00E-03
527	489713.71	3861250.05	5.73E-03	1.19E-05	1.12E-05	2.21E-05	5.77E-03	5.97E-03	1.22E-01	1.02E-03	7.55E-04	1.29E-01	5.96E-03	1.39E-05	1.12E-05	2.21E-05	6.01E-03
528	489763.71	3861250.05	5.74E-03	1.19E-05	1.16E-05	2.20E-05	5.78E-03	5.99E-03	1.22E-01	1.05E-03	7.52E-04	1.29E-01	5.98E-03	1.39E-05	1.16E-05	2.20E-05	6.02E-03
529	489813.71	3861250.05	5.75E-03	1.19E-05	1.20E-05	2.20E-05	5.80E-03	6.00E-03	1.21E-01	1.09E-03	7.51E-04	1.29E-01	5.99E-03	1.39E-05	1.20E-05	2.20E-05	6.04E-03
530	489863.71	3861250.05	5.77E-03	1.19E-05	1.24E-05	2.19E-05	5.81E-03	6.02E-03	1.21E-01	1.13E-03	7.50E-04	1.29E-01	6.00E-03	1.39E-05	1.24E-05	2.19E-05	6.05E-03
531	489913.71	3861250.05	5.78E-03	1.18E-05	1.29E-05	2.19E-05	5.83E-03	6.03E-03	1.21E-01	1.17E-03	7.49E-04	1.29E-01	6.02E-03	1.38E-05	1.29E-05	2.19E-05	6.07E-03
532	489963.71	3861250.05	5.79E-03	1.18E-05	1.33E-05	2.19E-05	5.84E-03	6.04E-03	1.21E-01	1.21E-03	7.49E-04	1.29E-01	6.03E-03	1.38E-05	1.33E-05	2.19E-05	6.08E-03
533	490013.71	3861250.05	5.80E-03	1.18E-05	1.38E-05	2.19E-05	5.84E-03	6.05E-03	1.20E-01	1.25E-03	7.47E-04	1.28E-01	6.04E-03	1.38E-05	1.38E-05	2.19E-05	6.09E-03
534	490063.71	3861250.05	5.80E-03	1.17E-05	1.42E-05	2.18E-05	5.84E-03	6.05E-03	1.20E-01	1.29E-03	7.45E-04	1.28E-01	6.04E-03	1.37E-05	1.42E-05	2.18E-05	6.09E-03
535	489528.13	3861308.47	5.56E-03	1.10E-05	9.76E-06	2.08E-05	5.60E-03	5.80E-03	1.13E-01	8.90E-04	7.11E-04	1.20E-01	5.79E-03	1.29E-05	9.76E-06	2.08E-05	5.83E-03
536	489578.13	3861308.47	5.57E-03	1.10E-05	9.99E-06	2.08E-05	5.61E-03	5.81E-03	1.13E-01	9.11E-04	7.13E-04	1.20E-01	5.80E-03	1.29E-05	9.99E-06	2.08E-05	5.85E-03
537	489628.13	3861308.47	5.58E-03	1.10E-05	1.03E-05	2.09E-05	5.63E-03	5.83E-03	1.13E-01	9.37E-04	7.13E-04	1.20E-01	5.82E-03	1.29E-05	1.03E-05	2.09E-05	5.86E-03
538	489678.13	3861308.47	5.60E-03	1.11E-05	1.06E-05	2.08E-05	5.64E-03	5.84E-03	1.13E-01	9.64E-04	7.13E-04	1.20E-01	5.83E-03	1.29E-05	1.06E-05	2.08E-05	5.87E-03
539	489728.13	3861308.47	5.61E-03	1.11E-05	1.09E-05	2.08E-05	5.65E-03	5.86E-03	1.13E-01	9.95E-04	7.11E-04	1.21E-01	5.84E-03	1.29E-05	1.09E-05	2.08E-05	5.89E-03
540	489778.13	3861308.47	5.62E-03	1.10E-05	1.13E-05	2.07E-05	5.66E-03	5.87E-03	1.13E-01	1.03E-03	7.09E-04	1.20E-01	5.85E-03	1.29E-05	1.13E-05	2.07E-05	5.90E-03
541	489678.13	3861358.47	5.50E-03	1.04E-05	1.03E-05	1.99E-05	5.54E-03	5.74E-03	1.06E-01	9.37E-04	6.80E-04	1.14E-01	5.73E-03	1.22E-05	1.03E-05	1.99E-05	5.77E-03
542	489728.13	3861358.47	5.51E-03	1.04E-05	1.06E-05	1.98E-05	5.55E-03	5.75E-03	1.06E-01	9.66E-04	6.78E-04	1.14E-01	5.74E-03	1.22E-05	1.06E-05	1.98E-05	5.78E-03
543	489528.13	3861408.47	5.37E-03	9.77E-06	9.31E-06	1.89E-05	5.40E-03	5.60E-03	9.98E-02	8.49E-04	6.46E-04	1.07E-01	5.59E-03	1.14E-05	9.31E-06	1.89E-05	5.63E-03
544	489578.13	3861408.47	5.38E-03	9.79E-06	9.53E-06	1.89E-05	5.42E-03	5.61E-03	1.00E-01	8.69E-04	6.47E-04	1.07E-01	5.60E-03	1.14E-05	9.53E-06	1.89E-05	5.64E-03
545	489628.13	3861408.47	5.40E-03	9.82E-06	9.76E-06	1.90E-05	5.44E-03	5.63E-03	1.00E-01	8.90E-04	6.49E-04	1.08E-01	5.62E-03	1.15E-05	9.76E-06	1.90E-05	5.66E-03

546	489678.13	3861408.47	5.40E-03	9.83E-06	1.00E-05	1.90E-05	5.44E-03	5.64E-03	1.00E-01	9.13E-04	6.49E-04	1.08E-01	5.63E-03	1.15E-05	1.00E-05	1.90E-05	5.67E-03
547	489728.13	3861408.47	5.41E-03	9.83E-06	1.03E-05	1.90E-05	5.45E-03	5.65E-03	1.00E-01	9.39E-04	6.49E-04	1.08E-01	5.63E-03	1.15E-05	1.03E-05	1.90E-05	5.68E-03
548	489528.13	3861458.47	5.28E-03	9.25E-06	9.12E-06	1.81E-05	5.32E-03	5.51E-03	9.45E-02	8.32E-04	6.18E-04	1.01E-01	5.50E-03	1.08E-05	9.12E-06	1.81E-05	5.54E-03
549	489578.13	3861458.47	5.29E-03	9.27E-06	9.29E-06	1.81E-05	5.33E-03	5.52E-03	9.47E-02	8.47E-04	6.21E-04	1.02E-01	5.51E-03	1.08E-05	9.29E-06	1.81E-05	5.55E-03
550	489628.13	3861458.47	5.30E-03	9.29E-06	9.50E-06	1.82E-05	5.34E-03	5.53E-03	9.49E-02	8.67E-04	6.22E-04	1.02E-01	5.52E-03	1.09E-05	9.50E-06	1.82E-05	5.56E-03
551	489678.13	3861458.47	5.31E-03	9.30E-06	9.74E-06	1.82E-05	5.35E-03	5.54E-03	9.50E-02	8.88E-04	6.22E-04	1.02E-01	5.53E-03	1.09E-05	9.74E-06	1.82E-05	5.57E-03
552	489728.13	3861458.47	5.31E-03	9.29E-06	9.99E-06	1.82E-05	5.35E-03	5.54E-03	9.49E-02	9.11E-04	6.21E-04	1.02E-01	5.53E-03	1.09E-05	9.99E-06	1.82E-05	5.57E-03
553	489528.13	3861508.47	5.19E-03	8.77E-06	8.93E-06	1.73E-05	5.23E-03	5.42E-03	8.96E-02	8.14E-04	5.93E-04	9.65E-02	5.41E-03	1.03E-05	8.93E-06	1.73E-05	5.44E-03
554	489578.13	3861508.47	5.20E-03	8.79E-06	9.10E-06	1.74E-05	5.24E-03	5.43E-03	8.98E-02	8.30E-04	5.96E-04	9.66E-02	5.42E-03	1.03E-05	9.10E-06	1.74E-05	5.45E-03
555	489628.13	3861508.47	5.21E-03	8.80E-06	9.29E-06	1.75E-05	5.24E-03	5.43E-03	8.99E-02	8.47E-04	5.97E-04	9.68E-02	5.42E-03	1.03E-05	9.29E-06	1.75E-05	5.46E-03
556	489678.13	3861508.47	5.21E-03	8.81E-06	9.50E-06	1.75E-05	5.25E-03	5.44E-03	9.00E-02	8.67E-04	5.98E-04	9.69E-02	5.43E-03	1.03E-05	9.50E-06	1.75E-05	5.47E-03
557	489728.13	3861508.47	5.22E-03	8.81E-06	9.74E-06	1.75E-05	5.25E-03	5.44E-03	9.00E-02	8.88E-04	5.98E-04	9.70E-02	5.43E-03	1.03E-05	9.74E-06	1.75E-05	5.47E-03
558	489628.13	3861558.47	5.12E-03	8.38E-06	9.08E-06	1.68E-05	5.16E-03	5.35E-03	8.56E-02	8.28E-04	5.75E-04	9.23E-02	5.34E-03	9.80E-06	9.08E-06	1.68E-05	5.37E-03
559	489678.13	3861558.47	5.14E-03	8.40E-06	9.29E-06	1.69E-05	5.17E-03	5.36E-03	8.58E-02	8.47E-04	5.76E-04	9.26E-02	5.35E-03	9.82E-06	9.29E-06	1.69E-05	5.38E-03
560	489728.13	3861558.47	5.14E-03	8.40E-06	9.50E-06	1.69E-05	5.18E-03	5.36E-03	8.59E-02	8.67E-04	5.77E-04	9.27E-02	5.35E-03	9.83E-06	9.50E-06	1.69E-05	5.39E-03
561	489357.08	3861015.81	6.19E-03	1.73E-05	1.05E-05	3.08E-05	6.25E-03	6.45E-03	1.77E-01	9.56E-04	1.05E-03	1.85E-01	6.44E-03	2.03E-05	1.05E-05	3.08E-05	6.50E-03
562	489407.08	3861015.81	6.19E-03	1.72E-05	1.07E-05	3.07E-05	6.25E-03	6.46E-03	1.76E-01	9.77E-04	1.05E-03	1.85E-01	6.44E-03	2.02E-05	1.07E-05	3.07E-05	6.51E-03
563	489457.08	3861015.81	6.20E-03	1.72E-05	1.10E-05	3.06E-05	6.25E-03	6.47E-03	1.76E-01	1.00E-03	1.05E-03	1.84E-01	6.45E-03	2.01E-05	1.10E-05	3.06E-05	6.51E-03
564	489357.08	3861065.81	6.08E-03	1.58E-05	1.02E-05	2.84E-05	6.13E-03	6.34E-03	1.62E-01	9.35E-04	9.71E-04	1.70E-01	6.33E-03	1.85E-05	1.02E-05	2.84E-05	6.38E-03
565	489407.08	3861065.81	6.08E-03	1.58E-05	1.05E-05	2.84E-05	6.13E-03	6.34E-03	1.61E-01	9.54E-04	9.70E-04	1.70E-01	6.33E-03	1.85E-05	1.05E-05	2.84E-05	6.39E-03
566	489457.08	3861065.81	6.08E-03	1.58E-05	1.07E-05	2.83E-05	6.14E-03	6.35E-03	1.61E-01	9.77E-04	9.67E-04	1.69E-01	6.34E-03	1.84E-05	1.07E-05	2.83E-05	6.39E-03
567	489357.08	3861115.81	5.97E-03	1.46E-05	1.00E-05	2.63E-05	6.02E-03	6.23E-03	1.49E-01	9.13E-04	9.00E-04	1.57E-01	6.21E-03	1.71E-05	1.00E-05	2.63E-05	6.27E-03
568	489407.08	3861115.81	5.98E-03	1.46E-05	1.02E-05	2.64E-05	6.03E-03	6.24E-03	1.49E-01	9.31E-04	9.02E-04	1.57E-01	6.22E-03	1.71E-05	1.02E-05	2.64E-05	6.28E-03
569	489457.08	3861115.81	5.99E-03	1.46E-05	1.04E-05	2.64E-05	6.04E-03	6.25E-03	1.49E-01	9.52E-04	9.03E-04	1.57E-01	6.23E-03	1.70E-05	1.04E-05	2.64E-05	6.29E-03
570	489407.08	3861165.81	5.88E-03	1.35E-05	9.99E-06	2.46E-05	5.93E-03	6.13E-03	1.38E-01	9.11E-04	8.43E-04	1.46E-01	6.12E-03	1.58E-05	9.99E-06	2.46E-05	6.17E-03
571	489457.08	3861165.81	5.88E-03	1.35E-05	1.02E-05	2.47E-05	5.93E-03	6.13E-03	1.38E-01	9.29E-04	8.44E-04	1.46E-01	6.12E-03	1.58E-05	1.02E-05	2.47E-05	6.17E-03
572	489407.08	3861215.81	5.75E-03	1.25E-05	9.72E-06	2.30E-05	5.79E-03	6.00E-03	1.28E-01	8.86E-04	7.87E-04	1.35E-01	5.98E-03	1.46E-05	9.72E-06	2.30E-05	6.03E-03
573	489457.08	3861215.81	5.75E-03	1.25E-05	9.91E-06	2.31E-05	5.80E-03	6.00E-03	1.28E-01	9.04E-04	7.89E-04	1.35E-01	5.99E-03	1.46E-05	9.91E-06	2.31E-05	6.04E-03
574	489407.08	3861265.81	5.62E-03	1.16E-05	9.48E-06	2.16E-05	5.66E-03	5.87E-03	1.19E-01	8.65E-04	7.39E-04	1.26E-01	5.85E-03	1.36E-05	9.48E-06	2.16E-05	5.90E-03
575	489457.08	3861265.81	5.63E-03	1.16E-05	9.67E-06	2.17E-05	5.68E-03	5.88E-03	1.19E-01	8.82E-04	7.42E-04	1.26E-01	5.87E-03	1.36E-05	9.67E-06	2.17E-05	5.91E-03
576	489309.86	3861110.14	5.96E-03	1.47E-05	9.87E-06	2.64E-05	6.02E-03	6.22E-03	1.50E-01	9.00E-04	9.03E-04	1.58E-01	6.21E-03	1.72E-05	9.87E-06	2.64E-05	6.26E-03
577	489407.08	3861315.81	5.52E-03	1.09E-05	9.29E-06	2.05E-05	5.56E-03	5.76E-03	1.11E-01	8.47E-04	7.00E-04	1.18E-01	5.75E-03	1.27E-05	9.29E-06	2.05E-05	5.79E-03
578	489457.08	3861315.81	5.53E-03	1.09E-05	9.46E-06	2.06E-05	5.58E-03	5.77E-03	1.11E-01	8.63E-04	7.03E-04	1.19E-01	5.76E-03	1.27E-05	9.46E-06	2.06E-05	5.81E-03
579	488906.03	3861006.75	6.12E-03	1.78E-05	1.02E-05	3.01E-05	6.18E-03	6.39E-03	1.82E-01	9.35E-04	1.03E-03	1.90E-01	6.38E-03	2.08E-05	1.02E-05	3.01E-05	6.44E-03
580	488956.03	3861006.75	6.17E-03	1.79E-05	1.02E-05	3.03E-05	6.22E-03	6.43E-03	1.83E-01	9.27E-04	1.04E-03	1.91E-01	6.42E-03	2.09E-05	1.02E-05	3.03E-05	6.48E-03
581	488904.24	3861051.87	6.11E-03	1.64E-05	1.03E-05	2.82E-05	6.16E-03	6.37E-03	1.68E-01	9.40E-04	9.66E-04	1.76E-01	6.36E-03	1.92E-05	1.03E-05	2.82E-05	6.42E-03
582	488954.24	3861051.87	6.09E-03	1.64E-05	1.01E-05	2.82E-05	6.14E-03	6.35E-03	1.68E-01	9.23E-04	9.65E-04	1.76E-01	6.34E-03	1.92E-05	1.01E-05	2.82E-05	6.40E-03
583	489004.24	3861051.87	6.13E-03	1.65E-05	1.01E-05	2.83E-05	6.19E-03	6.40E-03	1.68E-01	9.17E-04	9.68E-04	1.77E-01	6.39E-03	1.93E-05	1.01E-05	2.83E-05	6.45E-03
584	488804.24	3861101.87	5.90E-03	1.49E-05	1.04E-05	2.72E-05	5.95E-03	6.15E-03	1.52E-01	9.50E-04	9.30E-04	1.60E-01	6.14E-03	1.74E-05	1.04E-05	2.72E-05	6.20E-03
585	488854.24	3861101.87	5.94E-03	1.49E-05	1.03E-05	2.67E-05	5.99E-03	6.19E-03	1.53E-01	9.39E-04	9.14E-04	1.61E-01	6.18E-03	1.75E-05	1.03E-05	2.67E-05	6.24E-03
586	488904.24	3861101.87	5.89E-03	1.48E-05	1.01E-05	2.61E-05	5.94E-03	6.15E-03	1.51E-01	9.17E-04	8.92E-04	1.59E-01	6.13E-03	1.73E-05	1.01E-05	2.61E-05	6.19E-03
587	488954.24	3861101.87	5.89E-03	1.48E-05	9.91E-06	2.58E-05	5.94E-03	6.15E-03	1.51E-01	9.04E-04	8.83E-04	1.59E-01	6.14E-03	1.73E-05	9.91E-06	2.58E-05	6.19E-03
588	489004.24	3861101.87	5.91E-03	1.48E-05	9.80E-06	2.58E-05	5.96E-03	6.17E-03	1.52E-01	8.94E-04	8.83E-04	1.60E-01	6.16E-03	1.74E-05	9.80E-06	2.58E-05	6.21E-03
589	488804.24	3861151.87	5.70E-03	1.34E-05	1.02E-05	2.51E-05	5.75E-03	5.95E-03	1.37E-01	9.29E-04	8.59E-04	1.45E-01	5.94E-03	1.57E-05	1.02E-05	2.51E-05	5.99E-03
590	488854.24	3861151.87	5.71E-03	1.34E-05	1.00E-05	2.46E-05	5.76E-03	5.96E-03	1.37E-01	9.15E-04	8.42E-04	1.45E-01	5.95E-03	1.57E-05	1.00E-05	2.46E-05	6.00E-03
591	489129.49	3861187.55	5.73E-03	1.29E-05	9.40E-06	2.31E-05	5.77E-03	5.98E-03	1.31E-01	8.57E-04	7.89E-04	1.39E-01	5.96E-03	1.50E-05	9.40E-06	2.31E-05	6.01E-03
592	489179.49	3861187.55	5.74E-03	1.29E-05	9.38E-06	2.32E-05	5.78E-03	5.99E-03	1.31E-01	8.55E-04	7.94E-04	1.39E-01	5.98E-03	1.51E-05	9.38E-06	2.32E-05	6.02E-03
593	488804.24	3861201.87	5.59E-03	1.24E-05	1.01E-05	2.37E-05	5.64E-03	5.84E-03	1.27E-01	9.21E-04	8.11E-04	1.35E-01	5.83E-03	1.46E-05	1.01E-05	2.37E-05	5.87E-03
594	488854.24	3861201.87	5.59E-03	1.24E-05	9.91E-06	2.32E-05	5.64E-03	5.83E-03	1.27E-01	9.04E-04	7.92E-04	1.34E-01	5.82E-03	1.45E-05	9.91E-06	2.32E-05	5.87E-03
595	489129.49	3861237.55	5.63E-03	1.20E-05	9.29E-06	2.17E-05	5.68E-03	5.88E-03	1.22E-01	8.47E-04	7.43E-04	1.30E-01	5.87E-03	1.40E-05	9.29E-06	2.17E-05	5.91E-03
596	489179.49	3861237.55	5.63E-03	1.20E-05	9.25E-06	2.18E-05	5.68E-03	5.88E-03	1.22E-01	8.43E-04	7.46E-04	1.30E-01	5.87E-03	1.40E-05	9.25E-06	2.18E-05	5.91E-03
597	488804.24	3861251.87	5.50E-03	1.16E-05	1.00E-05	2.25E-05	5.54E-03	5.74E-03	1.18E-01	9.13E-04	7.68E-04	1.26E-01	5.73E-03	1.36E-05	1.00E-05	2.25E-05	5.77E-03
598	488854.24	3861251.87	5.49E-03	1.15E-05	9.82E-06	2.19E-05	5.53E-03	5.73E-03	1.18E-01	8.96E-04	7.50E-04	1.25E-01	5.72E-03	1.35E-05	9.82E-06	2.19E-05	5.76E-03
599	488804.24	3861301.87	5.39E-03	1.08E-05	9.91E-06	2.13E-05	5.43E-03	5.62E-03	1.11E-01	9.04E-04	7.28E-04	1.18E-01	5.61E-03	1.27E-05	9.91E-06	2.13E-05	5.65E-03
600	488854.24	3861301.87	5.39E-03	1.08E-05	9.74E-06	2.09E-05	5.43E-03	5.62E-03	1.10E-01	8.88E-04	7.13E-04	1.18E-01	5.61E-03	1.26E-05	9.74E-06	2.09E-05	5.66E-03
601	490943.5	3860181.97	8.53E-03	2.56E-05	2.59E-05	7.25E-05	8.66E-03	8.90E-03	2.61E-01	2.36E-03	2.48E-03	2.75E-01	8.88E-03	2.99E-05	2.59E-05	7.25E-05	9.01E-03
602	490993.5	3860181.97	8.48E-03	2.50E-05	2.59E-05	7.10E-05	8.60E-03	8.85E-03	2.56E-01	2.36E-03	2.43E-03	2.69E-01	8.83E-03	2.93E-05	2.59E-05	7.10E-05	8.96E-03
603	491043.5	3860181.97	8.44E-03	2.45E-05	2.59E-05	6.97E-05	8.56E-03	8.80E-03	2.50E-01	2.36E-03	2.38E-03	2.64E-01	8.79E-03	2.87E-05	2.59E-05	6.97E-05	8.91E-03
604	491093.5	3860181.97	8.39E-03	2.40E-05	2.60E-05	6.83E-05	8.51E-03	8.76E-03	2.45E-01	2.37E-03	2.34E-03	2.59E-01	8.74E-03	2.81E-05	2.60E-05	6.83E-05	8.86E-03
605	490943.5	3860231.97	8.41E-03	2.51E-05	2.52E-05	6.89E-05	8.53E-03	8.78E-03	2.56E-01	2.30E-03	2.36E-03	2.70E-01	8.76E-03	2.93E-05	2.52E-05	6.89E-05	8.89E-03
606	490993.5	3860231.97	8.38E-03	2.46E-05	2.53E-05	6.79E-05	8.50E-03	8.74E-03	2.51E-01	2.31E-03	2.32E-03	2.64E-01	8.72E-03	2.88E-05	2.53E-05	6.79E-05	8.85E-03

607	491043.5	3860231.97	8.32E-03	2.41E-05	2.53E-05	6.65E-05	8.43E-03	8.68E-03	2.46E-01	2.30E-03	2.27E-03	2.59E-01	8.66E-03	2.81E-05	2.53E-05	6.65E-05	8.78E-03
608	491093.5	3860231.97	8.26E-03	2.36E-05	2.52E-05	6.51E-05	8.38E-03	8.62E-03	2.41E-01	2.30E-03	2.23E-03	2.54E-01	8.60E-03	2.76E-05	2.52E-05	6.51E-05	8.72E-03
609	490943.5	3860281.97	8.31E-03	2.45E-05	2.47E-05	6.53E-05	8.42E-03	8.67E-03	2.51E-01	2.25E-03	2.23E-03	2.64E-01	8.65E-03	2.87E-05	2.47E-05	6.53E-05	8.77E-03
610	490993.5	3860281.97	8.26E-03	2.40E-05	2.47E-05	6.43E-05	8.38E-03	8.62E-03	2.46E-01	2.25E-03	2.20E-03	2.59E-01	8.61E-03	2.81E-05	2.47E-05	6.43E-05	8.72E-03
611	491043.5	3860281.97	8.21E-03	2.35E-05	2.47E-05	6.32E-05	8.32E-03	8.56E-03	2.40E-01	2.25E-03	2.16E-03	2.53E-01	8.55E-03	2.75E-05	2.47E-05	6.32E-05	8.66E-03
612	491093.5	3860281.97	8.15E-03	2.31E-05	2.46E-05	6.20E-05	8.26E-03	8.50E-03	2.36E-01	2.25E-03	2.12E-03	2.48E-01	8.49E-03	2.70E-05	2.46E-05	6.20E-05	8.60E-03
613	490943.5	3860331.97	8.20E-03	2.39E-05	2.42E-05	6.18E-05	8.31E-03	8.56E-03	2.44E-01	2.20E-03	2.11E-03	2.57E-01	8.54E-03	2.80E-05	2.42E-05	6.18E-05	8.66E-03
614	490993.5	3860331.97	8.14E-03	2.34E-05	2.41E-05	6.07E-05	8.25E-03	8.50E-03	2.39E-01	2.20E-03	2.08E-03	2.52E-01	8.48E-03	2.74E-05	2.41E-05	6.07E-05	8.59E-03
615	491043.5	3860331.97	8.09E-03	2.29E-05	2.41E-05	5.97E-05	8.19E-03	8.44E-03	2.34E-01	2.20E-03	2.04E-03	2.47E-01	8.42E-03	2.68E-05	2.41E-05	5.97E-05	8.53E-03
616	491093.5	3860331.97	8.03E-03	2.25E-05	2.40E-05	5.87E-05	8.14E-03	8.38E-03	2.30E-01	2.19E-03	2.01E-03	2.42E-01	8.36E-03	2.63E-05	2.40E-05	5.87E-05	8.47E-03
617	490086.72	3859935.12	1.02E-02	3.92E-05	2.75E-05	1.40E-04	1.04E-02	1.07E-02	4.01E-01	2.51E-03	4.79E-03	4.19E-01	1.07E-02	4.59E-05	2.75E-05	1.40E-04	1.09E-02
618	490136.72	3859935.12	1.02E-02	3.84E-05	2.79E-05	1.35E-04	1.04E-02	1.06E-02	3.92E-01	2.54E-03	4.63E-03	4.10E-01	1.06E-02	4.49E-05	2.79E-05	1.35E-04	1.08E-02
619	490186.72	3859935.12	1.01E-02	3.75E-05	2.82E-05	1.31E-04	1.03E-02	1.06E-02	3.83E-01	2.58E-03	4.48E-03	4.01E-01	1.06E-02	4.39E-05	2.82E-05	1.31E-04	1.08E-02
620	490236.72	3859935.12	1.01E-02	3.67E-05	2.86E-05	1.27E-04	1.03E-02	1.05E-02	3.75E-01	2.60E-03	4.34E-03	3.92E-01	1.05E-02	4.29E-05	2.86E-05	1.27E-04	1.07E-02
621	490286.72	3859935.12	9.99E-03	3.59E-05	2.88E-05	1.23E-04	1.02E-02	1.04E-02	3.67E-01	2.63E-03	4.21E-03	3.84E-01	1.04E-02	4.20E-05	2.88E-05	1.23E-04	1.06E-02
622	490336.72	3859935.12	9.92E-03	3.51E-05	2.90E-05	1.20E-04	1.01E-02	1.03E-02	3.59E-01	2.64E-03	4.09E-03	3.76E-01	1.03E-02	4.11E-05	2.90E-05	1.20E-04	1.05E-02
623	490386.72	3859935.12	9.84E-03	3.43E-05	2.91E-05	1.16E-04	1.00E-02	1.03E-02	3.51E-01	2.66E-03	3.97E-03	3.68E-01	1.02E-02	4.02E-05	2.91E-05	1.16E-04	1.04E-02
624	490436.72	3859935.12	9.76E-03	3.36E-05	2.93E-05	1.13E-04	9.94E-03	1.02E-02	3.43E-01	2.67E-03	3.86E-03	3.60E-01	1.02E-02	3.93E-05	2.93E-05	1.13E-04	1.03E-02
625	490486.72	3859935.12	9.69E-03	3.29E-05	2.94E-05	1.10E-04	9.86E-03	1.01E-02	3.36E-01	2.68E-03	3.76E-03	3.52E-01	1.01E-02	3.85E-05	2.94E-05	1.10E-04	1.03E-02
626	490536.72	3859935.12	9.64E-03	3.22E-05	2.96E-05	1.07E-04	9.81E-03	1.01E-02	3.29E-01	2.70E-03	3.65E-03	3.45E-01	1.00E-02	3.76E-05	2.96E-05	1.07E-04	1.02E-02
627	490586.72	3859935.12	9.60E-03	3.15E-05	2.98E-05	1.04E-04	9.77E-03	1.00E-02	3.21E-01	2.72E-03	3.55E-03	3.38E-01	1.00E-02	3.68E-05	2.98E-05	1.04E-04	1.02E-02
628	490636.72	3859935.12	9.56E-03	3.08E-05	3.00E-05	1.01E-04	9.72E-03	9.97E-03	3.15E-01	2.73E-03	3.46E-03	3.31E-01	9.95E-03	3.60E-05	3.00E-05	1.01E-04	1.01E-02
629	490686.72	3859935.12	9.54E-03	3.00E-05	3.03E-05	9.84E-05	9.70E-03	9.96E-03	3.07E-01	2.77E-03	3.37E-03	3.23E-01	9.94E-03	3.51E-05	3.03E-05	9.84E-05	1.01E-02
630	490736.72	3859935.12	9.51E-03	2.94E-05	3.06E-05	9.60E-05	9.67E-03	9.92E-03	3.00E-01	2.79E-03	3.28E-03	3.16E-01	9.90E-03	3.44E-05	3.06E-05	9.60E-05	1.01E-02
631	490086.72	3859985.12	1.01E-02	3.93E-05	2.65E-05	1.35E-04	1.03E-02	1.05E-02	4.01E-01	2.42E-03	4.60E-03	4.19E-01	1.05E-02	4.59E-05	2.65E-05	1.35E-04	1.07E-02
632	490136.72	3859985.12	1.00E-02	3.84E-05	2.69E-05	1.30E-04	1.02E-02	1.05E-02	3.92E-01	2.45E-03	4.45E-03	4.09E-01	1.04E-02	4.49E-05	2.69E-05	1.30E-04	1.06E-02
633	490186.72	3859985.12	9.98E-03	3.75E-05	2.73E-05	1.26E-04	1.02E-02	1.04E-02	3.83E-01	2.49E-03	4.31E-03	4.00E-01	1.04E-02	4.38E-05	2.73E-05	1.26E-04	1.06E-02
634	490236.72	3859985.12	9.94E-03	3.66E-05	2.76E-05	1.22E-04	1.01E-02	1.04E-02	3.74E-01	2.52E-03	4.17E-03	3.91E-01	1.04E-02	4.28E-05	2.76E-05	1.22E-04	1.05E-02
635	490286.72	3859985.12	9.87E-03	3.58E-05	2.79E-05	1.18E-04	1.01E-02	1.03E-02	3.66E-01	2.55E-03	4.05E-03	3.82E-01	1.03E-02	4.19E-05	2.79E-05	1.18E-04	1.05E-02
636	490336.72	3859985.12	9.80E-03	3.50E-05	2.82E-05	1.15E-04	9.98E-03	1.02E-02	3.57E-01	2.57E-03	3.94E-03	3.74E-01	1.02E-02	4.09E-05	2.82E-05	1.15E-04	1.04E-02
637	490386.72	3859985.12	9.72E-03	3.42E-05	2.83E-05	1.12E-04	9.89E-03	1.01E-02	3.50E-01	2.58E-03	3.83E-03	3.66E-01	1.01E-02	4.00E-05	2.83E-05	1.12E-04	1.03E-02
638	490436.72	3859985.12	9.64E-03	3.35E-05	2.84E-05	1.09E-04	9.81E-03	1.01E-02	3.42E-01	2.59E-03	3.73E-03	3.58E-01	1.00E-02	3.91E-05	2.84E-05	1.09E-04	1.02E-02
639	490486.72	3859985.12	9.57E-03	3.27E-05	2.85E-05	1.06E-04	9.73E-03	9.98E-03	3.34E-01	2.60E-03	3.63E-03	3.51E-01	9.96E-03	3.83E-05	2.85E-05	1.06E-04	1.01E-02
640	490536.72	3859985.12	9.50E-03	3.20E-05	2.86E-05	1.03E-04	9.67E-03	9.91E-03	3.27E-01	2.61E-03	3.54E-03	3.43E-01	9.90E-03	3.74E-05	2.86E-05	1.03E-04	1.01E-02
641	490586.72	3859985.12	9.45E-03	3.13E-05	2.88E-05	1.01E-04	9.61E-03	9.86E-03	3.20E-01	2.63E-03	3.44E-03	3.36E-01	9.84E-03	3.66E-05	2.88E-05	1.01E-04	1.00E-02
642	490636.72	3859985.12	9.42E-03	3.06E-05	2.90E-05	9.80E-05	9.57E-03	9.82E-03	3.13E-01	2.64E-03	3.35E-03	3.29E-01	9.80E-03	3.58E-05	2.90E-05	9.80E-05	9.97E-03
643	490686.72	3859985.12	9.40E-03	2.99E-05	2.93E-05	9.53E-05	9.55E-03	9.81E-03	3.05E-01	2.68E-03	3.26E-03	3.21E-01	9.79E-03	3.49E-05	2.93E-05	9.53E-05	9.95E-03
644	490736.72	3859985.12	9.36E-03	2.92E-05	2.94E-05	9.30E-05	9.51E-03	9.76E-03	2.99E-01	2.68E-03	3.18E-03	3.14E-01	9.74E-03	3.42E-05	2.94E-05	9.30E-05	9.90E-03
645	490786.72	3859985.12	9.31E-03	2.86E-05	2.96E-05	9.10E-05	9.46E-03	9.71E-03	2.93E-01	2.70E-03	3.11E-03	3.08E-01	9.69E-03	3.35E-05	2.96E-05	9.10E-05	9.85E-03
646	490086.72	3860035.12	9.88E-03	3.93E-05	2.56E-05	1.29E-04	1.01E-02	1.03E-02	4.02E-01	2.33E-03	4.40E-03	4.19E-01	1.03E-02	4.60E-05	2.56E-05	1.29E-04	1.05E-02
647	490136.72	3860035.12	9.86E-03	3.83E-05	2.59E-05	1.24E-04	1.00E-02	1.03E-02	3.92E-01	2.36E-03	4.26E-03	4.09E-01	1.03E-02	4.49E-05	2.59E-05	1.24E-04	1.05E-02
648	490186.72	3860035.12	9.82E-03	3.74E-05	2.63E-05	1.21E-04	1.00E-02	1.03E-02	3.82E-01	2.40E-03	4.13E-03	3.99E-01	1.02E-02	4.38E-05	2.63E-05	1.21E-04	1.04E-02
649	490236.72	3860035.12	9.78E-03	3.65E-05	2.66E-05	1.17E-04	9.96E-03	1.02E-02	3.73E-01	2.43E-03	4.00E-03	3.90E-01	1.02E-02	4.27E-05	2.66E-05	1.17E-04	1.04E-02
650	490286.72	3860035.12	9.73E-03	3.57E-05	2.69E-05	1.14E-04	9.91E-03	1.02E-02	3.64E-01	2.46E-03	3.89E-03	3.81E-01	1.01E-02	4.17E-05	2.69E-05	1.14E-04	1.03E-02
651	490336.72	3860035.12	9.68E-03	3.48E-05	2.73E-05	1.10E-04	9.85E-03	1.01E-02	3.56E-01	2.49E-03	3.78E-03	3.72E-01	1.01E-02	4.07E-05	2.73E-05	1.10E-04	1.03E-02
652	490386.72	3860035.12	9.60E-03	3.40E-05	2.74E-05	1.08E-04	9.77E-03	1.00E-02	3.48E-01	2.50E-03	3.68E-03	3.64E-01	1.00E-02	3.98E-05	2.74E-05	1.08E-04	1.02E-02
653	490436.72	3860035.12	9.53E-03	3.33E-05	2.76E-05	1.05E-04	9.69E-03	9.94E-03	3.40E-01	2.51E-03	3.59E-03	3.56E-01	9.92E-03	3.89E-05	2.76E-05	1.05E-04	1.01E-02
654	490486.72	3860035.12	9.45E-03	3.25E-05	2.77E-05	1.02E-04	9.61E-03	9.86E-03	3.32E-01	2.52E-03	3.50E-03	3.48E-01	9.84E-03	3.80E-05	2.77E-05	1.02E-04	1.00E-02
655	490536.72	3860035.12	9.38E-03	3.18E-05	2.78E-05	9.96E-05	9.54E-03	9.79E-03	3.25E-01	2.54E-03	3.41E-03	3.40E-01	9.77E-03	3.72E-05	2.78E-05	9.96E-05	9.94E-03
656	490586.72	3860035.12	9.32E-03	3.11E-05	2.79E-05	9.71E-05	9.47E-03	9.72E-03	3.17E-01	2.54E-03	3.32E-03	3.33E-01	9.70E-03	3.64E-05	2.79E-05	9.71E-05	9.86E-03
657	490636.72	3860035.12	9.25E-03	3.04E-05	2.79E-05	9.49E-05	9.40E-03	9.65E-03	3.11E-01	2.55E-03	3.24E-03	3.26E-01	9.63E-03	3.56E-05	2.79E-05	9.49E-05	9.79E-03
658	490686.72	3860035.12	9.21E-03	2.97E-05	2.81E-05	9.25E-05	9.36E-03	9.61E-03	3.04E-01	2.56E-03	3.16E-03	3.19E-01	9.59E-03	3.48E-05	2.81E-05	9.25E-05	9.75E-03
659	490736.72	3860035.12	9.20E-03	2.91E-05	2.84E-05	9.00E-05	9.35E-03	9.60E-03	2.97E-01	2.59E-03	3.08E-03	3.12E-01	9.58E-03	3.40E-05	2.84E-05	9.00E-05	9.73E-03
660	490786.72	3860035.12	9.15E-03	2.85E-05	2.85E-05	8.80E-05	9.30E-03	9.55E-03	2.91E-01	2.60E-03	3.01E-03	3.06E-01	9.53E-03	3.33E-05	2.85E-05	8.80E-05	9.68E-03
661	490836.72	3860035.12	9.11E-03	2.79E-05	2.86E-05	8.62E-05	9.25E-03	9.50E-03	2.85E-01	2.60E-03	2.95E-03	3.00E-01	9.48E-03	3.26E-05	2.86E-05	8.62E-05	9.63E-03
662	490086.72	3860085.12	9.71E-03	3.92E-05	2.49E-05	1.22E-04	9.89E-03	1.01E-02	4.00E-01	2.27E-03	4.17E-03	4.17E-01	1.01E-02	4.58E-05	2.49E-05	1.22E-04	1.03E-02
663	490136.72	3860085.12	9.67E-03	3.83E-05	2.51E-05	1.18E-04	9.86E-03	1.01E-02	3.91E-01	2.29E-03	4.05E-03	4.08E-01	1.01E-02	4.48E-05	2.51E-05	1.18E-04	1.03E-02
664	490186.72	3860085.12	9.67E-03	3.73E-05	2.55E-05	1.15E-04	9.84E-03	1.01E-02	3.81E-01	2.32E-03	3.93E-03	3.98E-01	1.01E-02	4.37E-05	2.55E-05	1.15E-04	1.03E-02
665	490236.72	3860085.12	9.63E-03	3.64E-05	2.58E-05	1.12E-04	9.81E-03	1.01E-02	3.72E-01	2.35E-03	3.82E-03	3.88E-01	1.00E-02	4.26E-05	2.58E-05	1.12E-04	1.02E-02
666	490286.72	3860085.12	9.59E-03	3.55E-05	2.61E-05	1.08E-04	9.76E-03	1.00E-02	3.63E-01	2.38E-03	3.71E-03	3.79E-01	9.99E-03	4.15E-05	2.61E-05	1.08E-04	1.02E-02
667	490336.72	3860085.12	9.54E-03	3.46E-05	2.63E-05	1.06E-04	9.70E-03	9.95E-03	3.54E-01	2.40E-03	3.61E-03	3.70E-01	9.93E-03	4.05E-05	2.63E-05	1.06E-04	1.01E-02

668	490386.72	3860085.12	9.48E-03	3.38E-05	2.66E-05	1.03E-04	9.64E-03	9.89E-03	3.45E-01	2.42E-03	3.52E-03	3.61E-01	9.87E-03	3.96E-05	2.66E-05	1.03E-04	1.00E-02
669	490436.72	3860085.12	9.41E-03	3.30E-05	2.67E-05	1.00E-04	9.57E-03	9.82E-03	3.37E-01	2.44E-03	3.43E-03	3.53E-01	9.80E-03	3.86E-05	2.67E-05	1.00E-04	9.96E-03
670	490486.72	3860085.12	9.33E-03	3.23E-05	2.69E-05	9.78E-05	9.49E-03	9.74E-03	3.29E-01	2.45E-03	3.35E-03	3.45E-01	9.72E-03	3.77E-05	2.69E-05	9.78E-05	9.88E-03
671	490536.72	3860085.12	9.27E-03	3.15E-05	2.70E-05	9.54E-05	9.42E-03	9.67E-03	3.22E-01	2.46E-03	3.26E-03	3.37E-01	9.65E-03	3.69E-05	2.70E-05	9.54E-05	9.81E-03
672	490586.72	3860085.12	9.20E-03	3.08E-05	2.71E-05	9.31E-05	9.35E-03	9.60E-03	3.15E-01	2.47E-03	3.19E-03	3.30E-01	9.58E-03	3.60E-05	2.71E-05	9.31E-05	9.74E-03
673	490636.72	3860085.12	9.12E-03	3.01E-05	2.72E-05	9.10E-05	9.27E-03	9.52E-03	3.08E-01	2.48E-03	3.11E-03	3.23E-01	9.50E-03	3.52E-05	2.72E-05	9.10E-05	9.66E-03
674	490686.72	3860085.12	9.07E-03	2.94E-05	2.73E-05	8.90E-05	9.22E-03	9.46E-03	3.01E-01	2.49E-03	3.04E-03	3.16E-01	9.45E-03	3.44E-05	2.73E-05	8.90E-05	9.60E-03
675	490736.72	3860085.12	9.03E-03	2.88E-05	2.74E-05	8.69E-05	9.17E-03	9.42E-03	2.94E-01	2.50E-03	2.97E-03	3.09E-01	9.40E-03	3.37E-05	2.74E-05	8.69E-05	9.55E-03
676	490786.72	3860085.12	9.00E-03	2.82E-05	2.75E-05	8.49E-05	9.14E-03	9.39E-03	2.88E-01	2.51E-03	2.90E-03	3.03E-01	9.37E-03	3.30E-05	2.75E-05	8.49E-05	9.51E-03
677	490836.72	3860085.12	8.95E-03	2.76E-05	2.75E-05	8.31E-05	9.09E-03	9.34E-03	2.82E-01	2.51E-03	2.84E-03	2.96E-01	9.32E-03	3.23E-05	2.75E-05	8.31E-05	9.46E-03
678	490086.72	3860135.12	9.46E-03	3.93E-05	2.40E-05	1.16E-04	9.64E-03	9.87E-03	4.01E-01	2.19E-03	3.96E-03	4.18E-01	9.85E-03	4.60E-05	2.40E-05	1.16E-04	1.00E-02
679	490136.72	3860135.12	9.48E-03	3.82E-05	2.42E-05	1.12E-04	9.65E-03	9.89E-03	3.90E-01	2.21E-03	3.84E-03	4.06E-01	9.87E-03	4.47E-05	2.42E-05	1.12E-04	1.00E-02
680	490186.72	3860135.12	9.48E-03	3.72E-05	2.46E-05	1.09E-04	9.65E-03	9.89E-03	3.80E-01	2.24E-03	3.73E-03	3.96E-01	9.87E-03	4.35E-05	2.46E-05	1.09E-04	1.01E-02
681	490236.72	3860135.12	9.46E-03	3.62E-05	2.49E-05	1.06E-04	9.63E-03	9.87E-03	3.70E-01	2.27E-03	3.63E-03	3.86E-01	9.85E-03	4.23E-05	2.49E-05	1.06E-04	1.00E-02
682	490286.72	3860135.12	9.44E-03	3.53E-05	2.52E-05	1.03E-04	9.60E-03	9.85E-03	3.60E-01	2.30E-03	3.53E-03	3.76E-01	9.83E-03	4.12E-05	2.52E-05	1.03E-04	1.00E-02
683	490336.72	3860135.12	9.40E-03	3.44E-05	2.55E-05	1.00E-04	9.56E-03	9.80E-03	3.51E-01	2.32E-03	3.43E-03	3.67E-01	9.78E-03	4.02E-05	2.55E-05	1.00E-04	9.95E-03
684	490386.72	3860135.12	9.34E-03	3.35E-05	2.57E-05	9.79E-05	9.50E-03	9.75E-03	3.42E-01	2.35E-03	3.35E-03	3.58E-01	9.73E-03	3.92E-05	2.57E-05	9.79E-05	9.89E-03
685	490436.72	3860135.12	9.28E-03	3.27E-05	2.59E-05	9.56E-05	9.43E-03	9.68E-03	3.34E-01	2.37E-03	3.27E-03	3.49E-01	9.66E-03	3.83E-05	2.59E-05	9.56E-05	9.82E-03
686	490486.72	3860135.12	9.22E-03	3.19E-05	2.61E-05	9.32E-05	9.37E-03	9.62E-03	3.26E-01	2.38E-03	3.19E-03	3.41E-01	9.60E-03	3.73E-05	2.61E-05	9.32E-05	9.75E-03
687	490536.72	3860135.12	9.16E-03	3.12E-05	2.63E-05	9.09E-05	9.30E-03	9.55E-03	3.18E-01	2.40E-03	3.11E-03	3.33E-01	9.53E-03	3.65E-05	2.63E-05	9.09E-05	9.69E-03
688	490586.72	3860135.12	9.09E-03	3.04E-05	2.64E-05	8.88E-05	9.23E-03	9.48E-03	3.11E-01	2.41E-03	3.04E-03	3.26E-01	9.46E-03	3.56E-05	2.64E-05	8.88E-05	9.61E-03
689	490636.72	3860135.12	9.01E-03	2.97E-05	2.64E-05	8.68E-05	9.16E-03	9.41E-03	3.04E-01	2.41E-03	2.97E-03	3.19E-01	9.39E-03	3.48E-05	2.64E-05	8.68E-05	9.54E-03
690	490686.72	3860135.12	8.94E-03	2.91E-05	2.65E-05	8.48E-05	9.08E-03	9.33E-03	2.97E-01	2.42E-03	2.90E-03	3.12E-01	9.31E-03	3.40E-05	2.65E-05	8.48E-05	9.46E-03
691	490736.72	3860135.12	8.89E-03	2.84E-05	2.65E-05	8.30E-05	9.02E-03	9.27E-03	2.90E-01	2.42E-03	2.84E-03	3.05E-01	9.25E-03	3.33E-05	2.65E-05	8.30E-05	9.40E-03
692	490786.72	3860135.12	8.84E-03	2.78E-05	2.66E-05	8.14E-05	8.98E-03	9.23E-03	2.84E-01	2.43E-03	2.78E-03	2.99E-01	9.21E-03	3.25E-05	2.66E-05	8.14E-05	9.35E-03
693	490836.72	3860135.12	8.79E-03	2.72E-05	2.66E-05	7.97E-05	8.93E-03	9.17E-03	2.78E-01	2.43E-03	2.73E-03	2.92E-01	9.16E-03	3.18E-05	2.66E-05	7.97E-05	9.29E-03
694	490086.72	3860185.12	9.24E-03	3.92E-05	2.33E-05	1.10E-04	9.41E-03	9.64E-03	4.00E-01	2.12E-03	3.75E-03	4.16E-01	9.62E-03	4.58E-05	2.33E-05	1.10E-04	9.80E-03
695	490136.72	3860185.12	9.27E-03	3.80E-05	2.35E-05	1.06E-04	9.44E-03	9.68E-03	3.88E-01	2.14E-03	3.63E-03	4.04E-01	9.66E-03	4.45E-05	2.35E-05	1.06E-04	9.83E-03
696	490186.72	3860185.12	9.29E-03	3.69E-05	2.38E-05	1.03E-04	9.45E-03	9.69E-03	3.77E-01	2.17E-03	3.52E-03	3.92E-01	9.67E-03	4.32E-05	2.38E-05	1.03E-04	9.84E-03
697	490236.72	3860185.12	9.28E-03	3.59E-05	2.41E-05	1.00E-04	9.44E-03	9.69E-03	3.67E-01	2.20E-03	3.43E-03	3.82E-01	9.67E-03	4.20E-05	2.41E-05	1.00E-04	9.83E-03
698	490286.72	3860185.12	9.27E-03	3.49E-05	2.43E-05	9.76E-05	9.42E-03	9.67E-03	3.57E-01	2.22E-03	3.34E-03	3.72E-01	9.65E-03	4.09E-05	2.43E-05	9.76E-05	9.81E-03
699	490336.72	3860185.12	9.24E-03	3.40E-05	2.46E-05	9.51E-05	9.39E-03	9.64E-03	3.47E-01	2.25E-03	3.25E-03	3.63E-01	9.62E-03	3.98E-05	2.46E-05	9.51E-05	9.78E-03
700	490386.72	3860185.12	9.20E-03	3.31E-05	2.49E-05	9.28E-05	9.35E-03	9.60E-03	3.38E-01	2.27E-03	3.17E-03	3.53E-01	9.58E-03	3.88E-05	2.49E-05	9.28E-05	9.74E-03
701	490436.72	3860185.12	9.15E-03	3.23E-05	2.52E-05	9.05E-05	9.30E-03	9.55E-03	3.30E-01	2.29E-03	3.10E-03	3.45E-01	9.53E-03	3.78E-05	2.52E-05	9.05E-05	9.68E-03
702	490486.72	3860185.12	9.09E-03	3.15E-05	2.53E-05	8.83E-05	9.24E-03	9.49E-03	3.22E-01	2.31E-03	3.02E-03	3.37E-01	9.47E-03	3.68E-05	2.53E-05	8.83E-05	9.62E-03
703	490536.72	3860185.12	9.04E-03	3.07E-05	2.55E-05	8.63E-05	9.18E-03	9.43E-03	3.14E-01	2.33E-03	2.95E-03	3.29E-01	9.41E-03	3.59E-05	2.55E-05	8.63E-05	9.56E-03
704	490586.72	3860185.12	8.98E-03	3.00E-05	2.57E-05	8.43E-05	9.12E-03	9.37E-03	3.06E-01	2.34E-03	2.88E-03	3.21E-01	9.35E-03	3.51E-05	2.57E-05	8.43E-05	9.50E-03
705	490636.72	3860185.12	8.91E-03	2.93E-05	2.58E-05	8.24E-05	9.04E-03	9.29E-03	2.99E-01	2.35E-03	2.82E-03	3.14E-01	9.27E-03	3.43E-05	2.58E-05	8.24E-05	9.42E-03
706	490686.72	3860185.12	8.84E-03	2.86E-05	2.59E-05	8.06E-05	8.98E-03	9.22E-03	2.92E-01	2.36E-03	2.76E-03	3.07E-01	9.21E-03	3.35E-05	2.59E-05	8.06E-05	9.35E-03
707	490736.72	3860185.12	8.77E-03	2.80E-05	2.59E-05	7.88E-05	8.90E-03	9.15E-03	2.86E-01	2.36E-03	2.69E-03	3.00E-01	9.13E-03	3.27E-05	2.59E-05	7.88E-05	9.27E-03
708	490786.72	3860185.12	8.71E-03	2.74E-05	2.59E-05	7.72E-05	8.84E-03	9.09E-03	2.79E-01	2.36E-03	2.64E-03	2.94E-01	9.07E-03	3.20E-05	2.59E-05	7.72E-05	9.20E-03
709	490836.72	3860185.12	8.65E-03	2.68E-05	2.59E-05	7.58E-05	8.78E-03	9.03E-03	2.73E-01	2.36E-03	2.59E-03	2.87E-01	9.01E-03	3.13E-05	2.59E-05	7.58E-05	9.14E-03
710	490086.72	3860235.12	9.02E-03	3.89E-05	2.27E-05	1.03E-04	9.19E-03	9.42E-03	3.97E-01	2.07E-03	3.52E-03	4.12E-01	9.40E-03	4.55E-05	2.27E-05	1.03E-04	9.57E-03
711	490136.72	3860235.12	9.06E-03	3.76E-05	2.29E-05	9.99E-05	9.22E-03	9.46E-03	3.85E-01	2.09E-03	3.42E-03	4.00E-01	9.44E-03	4.40E-05	2.29E-05	9.99E-05	9.60E-03
712	490186.72	3860235.12	9.09E-03	3.65E-05	2.31E-05	9.70E-05	9.25E-03	9.48E-03	3.73E-01	2.11E-03	3.32E-03	3.88E-01	9.47E-03	4.27E-05	2.31E-05	9.70E-05	9.63E-03
713	490236.72	3860235.12	9.10E-03	3.54E-05	2.33E-05	9.44E-05	9.25E-03	9.49E-03	3.62E-01	2.13E-03	3.23E-03	3.77E-01	9.48E-03	4.15E-05	2.33E-05	9.44E-05	9.63E-03
714	490286.72	3860235.12	9.09E-03	3.45E-05	2.36E-05	9.20E-05	9.24E-03	9.49E-03	3.52E-01	2.15E-03	3.15E-03	3.67E-01	9.47E-03	4.03E-05	2.36E-05	9.20E-05	9.63E-03
715	490336.72	3860235.12	9.08E-03	3.35E-05	2.39E-05	8.97E-05	9.23E-03	9.47E-03	3.42E-01	2.18E-03	3.07E-03	3.57E-01	9.46E-03	3.92E-05	2.39E-05	8.97E-05	9.61E-03
716	490386.72	3860235.12	9.05E-03	3.26E-05	2.41E-05	8.76E-05	9.20E-03	9.45E-03	3.33E-01	2.20E-03	3.00E-03	3.48E-01	9.43E-03	3.82E-05	2.41E-05	8.76E-05	9.58E-03
717	490436.72	3860235.12	9.02E-03	3.18E-05	2.44E-05	8.55E-05	9.16E-03	9.41E-03	3.25E-01	2.22E-03	2.92E-03	3.39E-01	9.39E-03	3.72E-05	2.44E-05	8.55E-05	9.54E-03
718	490486.72	3860235.12	8.97E-03	3.10E-05	2.46E-05	8.34E-05	9.11E-03	9.36E-03	3.16E-01	2.24E-03	2.85E-03	3.31E-01	9.34E-03	3.62E-05	2.46E-05	8.34E-05	9.48E-03
719	490536.72	3860235.12	8.92E-03	3.02E-05	2.48E-05	8.15E-05	9.05E-03	9.31E-03	3.08E-01	2.26E-03	2.79E-03	3.23E-01	9.29E-03	3.53E-05	2.48E-05	8.15E-05	9.43E-03
720	490586.72	3860235.12	8.86E-03	2.95E-05	2.50E-05	7.97E-05	9.00E-03	9.25E-03	3.01E-01	2.28E-03	2.73E-03	3.15E-01	9.23E-03	3.45E-05	2.50E-05	7.97E-05	9.37E-03
721	490636.72	3860235.12	8.80E-03	2.88E-05	2.51E-05	7.80E-05	8.94E-03	9.19E-03	2.94E-01	2.29E-03	2.67E-03	3.08E-01	9.17E-03	3.36E-05	2.51E-05	7.80E-05	9.30E-03
722	490686.72	3860235.12	8.74E-03	2.81E-05	2.52E-05	7.63E-05	8.87E-03	9.12E-03	2.87E-01	2.30E-03	2.61E-03	3.01E-01	9.10E-03	3.29E-05	2.52E-05	7.63E-05	9.23E-03
723	490736.72	3860235.12	8.67E-03	2.74E-05	2.53E-05	7.47E-05	8.79E-03	9.04E-03	2.80E-01	2.30E-03	2.55E-03	2.94E-01	9.02E-03	3.21E-05	2.53E-05	7.47E-05	9.16E-03
724	490786.72	3860235.12	8.60E-03	2.68E-05	2.53E-05	7.31E-05	8.72E-03	8.97E-03	2.74E-01	2.31E-03	2.50E-03	2.88E-01	8.95E-03	3.14E-05	2.53E-05	7.31E-05	9.08E-03
725	490086.72	3860285.12	8.80E-03	3.83E-05	2.22E-05	9.64E-05	8.96E-03	9.19E-03	3.92E-01	2.02E-03	3.30E-03	4.06E-01	9.17E-03	4.49E-05	2.22E-05	9.64E-05	9.33E-03
726	490136.72	3860285.12	8.85E-03	3.71E-05	2.23E-05	9.36E-05	9.00E-03	9.23E-03	3.79E-01	2.03E-03	3.20E-03	3.93E-01	9.21E-03	4.34E-05	2.23E-05	9.36E-05	9.37E-03
727	490186.72	3860285.12	8.88E-03	3.59E-05	2.25E-05	9.11E-05	9.03E-03	9.27E-03	3.67E-01	2.05E-03	3.11E-03	3.82E-01	9.25E-03	4.20E-05	2.25E-05	9.11E-05	9.40E-03
728	490236.72	3860285.12	8.91E-03	3.48E-05	2.27E-05	8.87E-05	9.05E-03	9.29E-03	3.56E-01	2.07E-03	3.03E-03	3.70E-01	9.28E-03	4.08E-05	2.27E-05	8.87E-05	9.43E-03

729	490286.72	3860285.12	8.91E-03	3.38E-05	2.29E-05	8.65E-05	9.06E-03	9.30E-03	3.46E-01	2.09E-03	2.96E-03	3.60E-01	9.28E-03	3.96E-05	2.29E-05	8.65E-05	9.43E-03
730	490336.72	3860285.12	8.91E-03	3.29E-05	2.31E-05	8.44E-05	9.05E-03	9.29E-03	3.36E-01	2.11E-03	2.89E-03	3.50E-01	9.28E-03	3.85E-05	2.31E-05	8.44E-05	9.42E-03
731	490386.72	3860285.12	8.90E-03	3.20E-05	2.34E-05	8.24E-05	9.03E-03	9.28E-03	3.27E-01	2.13E-03	2.82E-03	3.41E-01	9.26E-03	3.74E-05	2.34E-05	8.24E-05	9.41E-03
732	490436.72	3860285.12	8.87E-03	3.11E-05	2.36E-05	8.05E-05	9.01E-03	9.26E-03	3.18E-01	2.15E-03	2.75E-03	3.32E-01	9.24E-03	3.64E-05	2.36E-05	8.05E-05	9.38E-03
733	490486.72	3860285.12	8.84E-03	3.03E-05	2.39E-05	7.86E-05	8.97E-03	9.22E-03	3.10E-01	2.18E-03	2.69E-03	3.24E-01	9.20E-03	3.55E-05	2.39E-05	7.86E-05	9.34E-03
734	490536.72	3860285.12	8.79E-03	2.96E-05	2.41E-05	7.69E-05	8.92E-03	9.17E-03	3.02E-01	2.20E-03	2.63E-03	3.16E-01	9.16E-03	3.46E-05	2.41E-05	7.69E-05	9.29E-03
735	490586.72	3860285.12	8.74E-03	2.88E-05	2.43E-05	7.51E-05	8.87E-03	9.12E-03	2.94E-01	2.22E-03	2.57E-03	3.08E-01	9.10E-03	3.37E-05	2.43E-05	7.51E-05	9.24E-03
736	490636.72	3860285.12	8.69E-03	2.81E-05	2.45E-05	7.35E-05	8.81E-03	9.07E-03	2.87E-01	2.23E-03	2.51E-03	3.01E-01	9.05E-03	3.29E-05	2.45E-05	7.35E-05	9.18E-03
737	490686.72	3860285.12	8.63E-03	2.75E-05	2.46E-05	7.20E-05	8.76E-03	9.01E-03	2.81E-01	2.24E-03	2.46E-03	2.94E-01	8.99E-03	3.21E-05	2.46E-05	7.20E-05	9.12E-03
738	490736.72	3860285.12	8.57E-03	2.68E-05	2.47E-05	7.05E-05	8.69E-03	8.94E-03	2.74E-01	2.25E-03	2.41E-03	2.88E-01	8.92E-03	3.14E-05	2.47E-05	7.05E-05	9.05E-03
739	490786.72	3860285.12	8.50E-03	2.62E-05	2.47E-05	6.92E-05	8.62E-03	8.87E-03	2.68E-01	2.26E-03	2.37E-03	2.82E-01	8.85E-03	3.07E-05	2.47E-05	6.92E-05	8.98E-03
740	490086.72	3860335.12	8.58E-03	3.76E-05	2.17E-05	8.96E-05	8.73E-03	8.96E-03	3.84E-01	1.98E-03	3.06E-03	3.98E-01	8.94E-03	4.40E-05	2.17E-05	8.96E-05	9.09E-03
741	490136.72	3860335.12	8.63E-03	3.63E-05	2.18E-05	8.72E-05	8.78E-03	9.01E-03	3.71E-01	1.99E-03	2.98E-03	3.85E-01	8.99E-03	4.25E-05	2.18E-05	8.72E-05	9.14E-03
742	490186.72	3860335.12	8.67E-03	3.51E-05	2.19E-05	8.50E-05	8.82E-03	9.05E-03	3.59E-01	2.00E-03	2.91E-03	3.73E-01	9.03E-03	4.11E-05	2.19E-05	8.50E-05	9.18E-03
743	490236.72	3860335.12	8.71E-03	3.41E-05	2.21E-05	8.28E-05	8.85E-03	9.09E-03	3.48E-01	2.01E-03	2.83E-03	3.62E-01	9.07E-03	3.98E-05	2.21E-05	8.28E-05	9.22E-03
744	490286.72	3860335.12	8.73E-03	3.30E-05	2.23E-05	8.09E-05	8.87E-03	9.11E-03	3.38E-01	2.03E-03	2.77E-03	3.51E-01	9.09E-03	3.87E-05	2.23E-05	8.09E-05	9.23E-03
745	490336.72	3860335.12	8.73E-03	3.21E-05	2.24E-05	7.91E-05	8.87E-03	9.11E-03	3.28E-01	2.05E-03	2.70E-03	3.42E-01	9.09E-03	3.76E-05	2.24E-05	7.91E-05	9.23E-03
746	490386.72	3860335.12	8.73E-03	3.12E-05	2.27E-05	7.73E-05	8.86E-03	9.11E-03	3.19E-01	2.07E-03	2.64E-03	3.33E-01	9.09E-03	3.65E-05	2.27E-05	7.73E-05	9.23E-03
747	490436.72	3860335.12	8.72E-03	3.04E-05	2.29E-05	7.56E-05	8.85E-03	9.10E-03	3.10E-01	2.09E-03	2.58E-03	3.24E-01	9.08E-03	3.55E-05	2.29E-05	7.56E-05	9.21E-03
748	490486.72	3860335.12	8.69E-03	2.96E-05	2.32E-05	7.39E-05	8.82E-03	9.07E-03	3.02E-01	2.11E-03	2.53E-03	3.16E-01	9.05E-03	3.46E-05	2.32E-05	7.39E-05	9.19E-03
749	490536.72	3860335.12	8.67E-03	2.88E-05	2.34E-05	7.24E-05	8.79E-03	9.04E-03	2.94E-01	2.13E-03	2.47E-03	3.08E-01	9.02E-03	3.37E-05	2.34E-05	7.24E-05	9.15E-03
750	490586.72	3860335.12	8.62E-03	2.81E-05	2.36E-05	7.07E-05	8.75E-03	9.00E-03	2.87E-01	2.15E-03	2.42E-03	3.01E-01	8.98E-03	3.29E-05	2.36E-05	7.07E-05	9.11E-03
751	490636.72	3860335.12	8.58E-03	2.74E-05	2.38E-05	6.92E-05	8.70E-03	8.95E-03	2.80E-01	2.17E-03	2.37E-03	2.94E-01	8.93E-03	3.21E-05	2.38E-05	6.92E-05	9.06E-03
752	490686.72	3860335.12	8.52E-03	2.68E-05	2.40E-05	6.79E-05	8.64E-03	8.89E-03	2.74E-01	2.19E-03	2.32E-03	2.87E-01	8.87E-03	3.13E-05	2.40E-05	6.79E-05	9.00E-03
753	490736.72	3860335.12	8.46E-03	2.62E-05	2.41E-05	6.65E-05	8.58E-03	8.83E-03	2.67E-01	2.20E-03	2.28E-03	2.81E-01	8.81E-03	3.06E-05	2.41E-05	6.65E-05	8.94E-03
754	490786.72	3860335.12	8.41E-03	2.56E-05	2.42E-05	6.54E-05	8.52E-03	8.77E-03	2.61E-01	2.21E-03	2.24E-03	2.75E-01	8.76E-03	2.99E-05	2.42E-05	6.54E-05	8.88E-03
755	490086.72	3860385.12	8.37E-03	3.65E-05	2.13E-05	8.27E-05	8.51E-03	8.74E-03	3.73E-01	1.94E-03	2.83E-03	3.87E-01	8.72E-03	4.27E-05	2.13E-05	8.27E-05	8.86E-03
756	490136.72	3860385.12	8.42E-03	3.53E-05	2.14E-05	8.07E-05	8.56E-03	8.79E-03	3.61E-01	1.95E-03	2.76E-03	3.74E-01	8.77E-03	4.13E-05	2.14E-05	8.07E-05	8.92E-03
757	490186.72	3860385.12	8.46E-03	3.41E-05	2.15E-05	7.88E-05	8.60E-03	8.83E-03	3.49E-01	1.96E-03	2.70E-03	3.62E-01	8.81E-03	3.99E-05	2.15E-05	7.88E-05	8.95E-03
758	490236.72	3860385.12	8.50E-03	3.31E-05	2.16E-05	7.70E-05	8.63E-03	8.87E-03	3.38E-01	1.97E-03	2.64E-03	3.51E-01	8.85E-03	3.87E-05	2.16E-05	7.70E-05	8.99E-03
759	490286.72	3860385.12	8.53E-03	3.21E-05	2.17E-05	7.54E-05	8.66E-03	8.90E-03	3.28E-01	1.98E-03	2.58E-03	3.41E-01	8.88E-03	3.75E-05	2.17E-05	7.54E-05	9.02E-03
760	490336.72	3860385.12	8.55E-03	3.12E-05	2.18E-05	7.38E-05	8.68E-03	8.92E-03	3.18E-01	1.99E-03	2.52E-03	3.32E-01	8.91E-03	3.65E-05	2.18E-05	7.38E-05	9.04E-03
761	490386.72	3860385.12	8.56E-03	3.03E-05	2.20E-05	7.22E-05	8.68E-03	8.93E-03	3.10E-01	2.01E-03	2.47E-03	3.23E-01	8.91E-03	3.54E-05	2.20E-05	7.22E-05	9.04E-03
762	490436.72	3860385.12	8.56E-03	2.95E-05	2.22E-05	7.07E-05	8.68E-03	8.93E-03	3.01E-01	2.03E-03	2.42E-03	3.15E-01	8.91E-03	3.45E-05	2.22E-05	7.07E-05	9.04E-03
763	490486.72	3860385.12	8.55E-03	2.87E-05	2.25E-05	6.93E-05	8.67E-03	8.92E-03	2.93E-01	2.05E-03	2.37E-03	3.07E-01	8.90E-03	3.36E-05	2.25E-05	6.93E-05	9.02E-03
764	490536.72	3860385.12	8.53E-03	2.80E-05	2.27E-05	6.79E-05	8.64E-03	8.90E-03	2.86E-01	2.07E-03	2.32E-03	2.99E-01	8.88E-03	3.27E-05	2.27E-05	6.79E-05	9.00E-03
765	490586.72	3860385.12	8.50E-03	2.73E-05	2.30E-05	6.65E-05	8.61E-03	8.87E-03	2.79E-01	2.09E-03	2.27E-03	2.92E-01	8.85E-03	3.19E-05	2.30E-05	6.65E-05	8.97E-03
766	490636.72	3860385.12	8.46E-03	2.66E-05	2.32E-05	6.52E-05	8.57E-03	8.82E-03	2.72E-01	2.11E-03	2.23E-03	2.85E-01	8.81E-03	3.12E-05	2.32E-05	6.52E-05	8.93E-03
767	490686.72	3860385.12	8.42E-03	2.60E-05	2.33E-05	6.39E-05	8.53E-03	8.78E-03	2.66E-01	2.13E-03	2.19E-03	2.79E-01	8.76E-03	3.04E-05	2.33E-05	6.39E-05	8.88E-03
768	490736.72	3860385.12	8.36E-03	2.54E-05	2.35E-05	6.27E-05	8.47E-03	8.72E-03	2.60E-01	2.14E-03	2.14E-03	2.73E-01	8.71E-03	2.97E-05	2.35E-05	6.27E-05	8.82E-03
769	490786.72	3860385.12	8.30E-03	2.49E-05	2.36E-05	6.16E-05	8.41E-03	8.66E-03	2.54E-01	2.15E-03	2.11E-03	2.67E-01	8.65E-03	2.91E-05	2.36E-05	6.16E-05	8.76E-03
770	490136.72	3860435.12	8.21E-03	3.40E-05	2.10E-05	7.44E-05	8.34E-03	8.57E-03	3.48E-01	1.91E-03	2.55E-03	3.61E-01	8.55E-03	3.98E-05	2.10E-05	7.44E-05	8.68E-03
771	490186.72	3860435.12	8.26E-03	3.29E-05	2.10E-05	7.28E-05	8.38E-03	8.61E-03	3.37E-01	1.92E-03	2.49E-03	3.50E-01	8.60E-03	3.85E-05	2.10E-05	7.28E-05	8.73E-03
772	490236.72	3860435.12	8.29E-03	3.19E-05	2.11E-05	7.13E-05	8.42E-03	8.65E-03	3.26E-01	1.93E-03	2.44E-03	3.39E-01	8.64E-03	3.73E-05	2.11E-05	7.13E-05	8.77E-03
773	490286.72	3860435.12	8.33E-03	3.10E-05	2.12E-05	6.99E-05	8.45E-03	8.69E-03	3.16E-01	1.93E-03	2.39E-03	3.29E-01	8.68E-03	3.62E-05	2.12E-05	6.99E-05	8.80E-03
774	490336.72	3860435.12	8.36E-03	3.01E-05	2.13E-05	6.85E-05	8.48E-03	8.72E-03	3.07E-01	1.94E-03	2.34E-03	3.20E-01	8.70E-03	3.52E-05	2.13E-05	6.85E-05	8.83E-03
775	490386.72	3860435.12	8.38E-03	2.93E-05	2.15E-05	6.72E-05	8.50E-03	8.74E-03	2.99E-01	1.96E-03	2.30E-03	3.12E-01	8.72E-03	3.42E-05	2.15E-05	6.72E-05	8.85E-03
776	490436.72	3860435.12	8.39E-03	2.85E-05	2.16E-05	6.59E-05	8.50E-03	8.75E-03	2.91E-01	1.97E-03	2.25E-03	3.04E-01	8.73E-03	3.33E-05	2.16E-05	6.59E-05	8.86E-03
777	490486.72	3860435.12	8.39E-03	2.77E-05	2.18E-05	6.46E-05	8.50E-03	8.75E-03	2.83E-01	1.99E-03	2.21E-03	2.96E-01	8.73E-03	3.24E-05	2.18E-05	6.46E-05	8.85E-03
778	490536.72	3860435.12	8.38E-03	2.70E-05	2.21E-05	6.35E-05	8.49E-03	8.74E-03	2.76E-01	2.01E-03	2.17E-03	2.89E-01	8.72E-03	3.16E-05	2.21E-05	6.35E-05	8.84E-03
779	490586.72	3860435.12	8.36E-03	2.64E-05	2.23E-05	6.23E-05	8.47E-03	8.72E-03	2.70E-01	2.03E-03	2.13E-03	2.82E-01	8.70E-03	3.09E-05	2.23E-05	6.23E-05	8.82E-03
780	490636.72	3860435.12	8.33E-03	2.58E-05	2.25E-05	6.11E-05	8.44E-03	8.69E-03	2.63E-01	2.05E-03	2.09E-03	2.76E-01	8.67E-03	3.01E-05	2.25E-05	6.11E-05	8.79E-03
781	490686.72	3860435.12	8.29E-03	2.52E-05	2.27E-05	6.01E-05	8.40E-03	8.65E-03	2.57E-01	2.07E-03	2.05E-03	2.70E-01	8.64E-03	2.94E-05	2.27E-05	6.01E-05	8.75E-03
782	490736.72	3860435.12	8.26E-03	2.46E-05	2.29E-05	5.91E-05	8.36E-03	8.61E-03	2.51E-01	2.09E-03	2.02E-03	2.64E-01	8.60E-03	2.88E-05	2.29E-05	5.91E-05	8.71E-03
783	490786.72	3860435.12	8.20E-03	2.41E-05	2.30E-05	5.81E-05	8.31E-03	8.56E-03	2.46E-01	2.10E-03	1.99E-03	2.59E-01	8.54E-03	2.82E-05	2.30E-05	5.81E-05	8.65E-03
784	490136.72	3860485.12	8.02E-03	3.26E-05	2.06E-05	6.85E-05	8.14E-03	8.36E-03	3.33E-01	1.88E-03	2.34E-03	3.46E-01	8.35E-03	3.82E-05	2.06E-05	6.85E-05	8.47E-03
785	490186.72	3860485.12	8.06E-03	3.16E-05	2.07E-05	6.72E-05	8.18E-03	8.41E-03	3.23E-01	1.88E-03	2.30E-03	3.35E-01	8.39E-03	3.69E-05	2.07E-05	6.72E-05	8.51E-03
786	490236.72	3860485.12	8.09E-03	3.06E-05	2.07E-05	6.59E-05	8.21E-03	8.44E-03	3.13E-01	1.89E-03	2.25E-03	3.25E-01	8.43E-03	3.58E-05	2.07E-05	6.59E-05	8.55E-03
787	490286.72	3860485.12	8.13E-03	2.97E-05	2.08E-05	6.47E-05	8.25E-03	8.49E-03	3.04E-01	1.89E-03	2.21E-03	3.16E-01	8.47E-03	3.48E-05	2.08E-05	6.47E-05	8.59E-03
788	490336.72	3860485.12	8.16E-03	2.89E-05	2.08E-05	6.35E-05	8.28E-03	8.52E-03	2.95E-01	1.90E-03	2.17E-03	3.08E-01	8.50E-03	3.38E-05	2.08E-05	6.35E-05	8.62E-03
789	490386.72	3860485.12	8.19E-03	2.81E-05	2.09E-05	6.24E-05	8.31E-03	8.55E-03	2.87E-01	1.91E-03	2.13E-03	3.00E-01	8.53E-03	3.29E-05	2.09E-05	6.24E-05	8.65E-03

790	490436.72	3860485.12	8.22E-03	2.74E-05	2.11E-05	6.14E-05	8.33E-03	8.58E-03	2.80E-01	1.93E-03	2.10E-03	2.92E-01	8.56E-03	3.20E-05	2.11E-05	6.14E-05	8.67E-03
791	490486.72	3860485.12	8.23E-03	2.67E-05	2.13E-05	6.02E-05	8.34E-03	8.58E-03	2.73E-01	1.94E-03	2.06E-03	2.85E-01	8.57E-03	3.12E-05	2.13E-05	6.02E-05	8.68E-03
792	490536.72	3860485.12	8.22E-03	2.60E-05	2.14E-05	5.91E-05	8.33E-03	8.58E-03	2.66E-01	1.95E-03	2.02E-03	2.79E-01	8.56E-03	3.05E-05	2.14E-05	5.91E-05	8.67E-03
793	490586.72	3860485.12	8.21E-03	2.54E-05	2.16E-05	5.81E-05	8.32E-03	8.57E-03	2.60E-01	1.97E-03	1.99E-03	2.72E-01	8.55E-03	2.97E-05	2.16E-05	5.81E-05	8.66E-03
794	490636.72	3860485.12	8.19E-03	2.48E-05	2.19E-05	5.72E-05	8.30E-03	8.55E-03	2.54E-01	2.00E-03	1.96E-03	2.66E-01	8.53E-03	2.91E-05	2.19E-05	5.72E-05	8.64E-03
795	490686.72	3860485.12	8.17E-03	2.43E-05	2.21E-05	5.62E-05	8.27E-03	8.52E-03	2.48E-01	2.01E-03	1.92E-03	2.60E-01	8.50E-03	2.84E-05	2.21E-05	5.62E-05	8.61E-03
796	490736.72	3860485.12	8.13E-03	2.38E-05	2.23E-05	5.54E-05	8.24E-03	8.49E-03	2.43E-01	2.03E-03	1.89E-03	2.55E-01	8.47E-03	2.78E-05	2.23E-05	5.54E-05	8.58E-03
797	490786.72	3860485.12	8.10E-03	2.32E-05	2.25E-05	5.46E-05	8.20E-03	8.45E-03	2.38E-01	2.05E-03	1.87E-03	2.50E-01	8.43E-03	2.72E-05	2.25E-05	5.46E-05	8.54E-03
798	490136.72	3860535.12	7.82E-03	3.10E-05	2.03E-05	6.31E-05	7.94E-03	8.16E-03	3.17E-01	1.85E-03	2.16E-03	3.29E-01	8.15E-03	3.63E-05	2.03E-05	6.31E-05	8.27E-03
799	490186.72	3860535.12	7.88E-03	3.01E-05	2.04E-05	6.20E-05	7.99E-03	8.22E-03	3.07E-01	1.86E-03	2.12E-03	3.20E-01	8.20E-03	3.52E-05	2.04E-05	6.20E-05	8.32E-03
800	490236.72	3860535.12	7.90E-03	2.92E-05	2.03E-05	6.09E-05	8.01E-03	8.24E-03	2.98E-01	1.86E-03	2.08E-03	3.11E-01	8.23E-03	3.42E-05	2.03E-05	6.09E-05	8.34E-03
801	490286.72	3860535.12	7.93E-03	2.84E-05	2.03E-05	5.98E-05	8.04E-03	8.28E-03	2.90E-01	1.86E-03	2.04E-03	3.02E-01	8.26E-03	3.32E-05	2.03E-05	5.98E-05	8.37E-03
802	490336.72	3860535.12	7.97E-03	2.76E-05	2.04E-05	5.88E-05	8.08E-03	8.32E-03	2.82E-01	1.86E-03	2.01E-03	2.94E-01	8.30E-03	3.23E-05	2.04E-05	5.88E-05	8.41E-03
803	490386.72	3860535.12	8.01E-03	2.69E-05	2.05E-05	5.79E-05	8.12E-03	8.36E-03	2.75E-01	1.87E-03	1.98E-03	2.87E-01	8.34E-03	3.15E-05	2.05E-05	5.79E-05	8.45E-03
804	490436.72	3860535.12	8.04E-03	2.62E-05	2.06E-05	5.70E-05	8.15E-03	8.39E-03	2.68E-01	1.88E-03	1.95E-03	2.80E-01	8.37E-03	3.07E-05	2.06E-05	5.70E-05	8.48E-03
805	490486.72	3860535.12	8.07E-03	2.56E-05	2.08E-05	5.61E-05	8.17E-03	8.42E-03	2.62E-01	1.89E-03	1.92E-03	2.74E-01	8.40E-03	3.00E-05	2.08E-05	5.61E-05	8.51E-03
806	490536.72	3860535.12	8.09E-03	2.50E-05	2.10E-05	5.54E-05	8.20E-03	8.45E-03	2.56E-01	1.92E-03	1.90E-03	2.68E-01	8.43E-03	2.93E-05	2.10E-05	5.54E-05	8.53E-03
807	490586.72	3860535.12	8.07E-03	2.44E-05	2.11E-05	5.42E-05	8.17E-03	8.42E-03	2.50E-01	1.92E-03	1.86E-03	2.62E-01	8.40E-03	2.86E-05	2.11E-05	5.42E-05	8.50E-03
808	490636.72	3860535.12	8.05E-03	2.39E-05	2.13E-05	5.34E-05	8.15E-03	8.40E-03	2.44E-01	1.94E-03	1.83E-03	2.56E-01	8.39E-03	2.79E-05	2.13E-05	5.34E-05	8.49E-03
809	490686.72	3860535.12	8.04E-03	2.34E-05	2.15E-05	5.26E-05	8.14E-03	8.39E-03	2.39E-01	1.96E-03	1.80E-03	2.51E-01	8.37E-03	2.73E-05	2.15E-05	5.26E-05	8.47E-03
810	490736.72	3860535.12	8.01E-03	2.29E-05	2.17E-05	5.19E-05	8.11E-03	8.36E-03	2.34E-01	1.98E-03	1.77E-03	2.46E-01	8.34E-03	2.67E-05	2.17E-05	5.19E-05	8.44E-03
811	490786.72	3860535.12	7.98E-03	2.24E-05	2.19E-05	5.12E-05	8.08E-03	8.33E-03	2.29E-01	2.00E-03	1.75E-03	2.41E-01	8.31E-03	2.62E-05	2.19E-05	5.12E-05	8.41E-03
812	490136.72	3860585.12	7.65E-03	2.94E-05	2.00E-05	5.81E-05	7.76E-03	7.99E-03	3.00E-01	1.83E-03	1.99E-03	3.12E-01	7.97E-03	3.44E-05	2.00E-05	5.81E-05	8.08E-03
813	490186.72	3860585.12	7.65E-03	2.85E-05	1.99E-05	5.69E-05	7.76E-03	7.98E-03	2.91E-01	1.81E-03	1.94E-03	3.03E-01	7.97E-03	3.33E-05	1.99E-05	5.69E-05	8.08E-03
814	490236.72	3860585.12	7.70E-03	2.77E-05	2.00E-05	5.61E-05	7.80E-03	8.03E-03	2.83E-01	1.82E-03	1.92E-03	2.95E-01	8.02E-03	3.24E-05	2.00E-05	5.61E-05	8.12E-03
815	490286.72	3860585.12	7.74E-03	2.70E-05	2.00E-05	5.53E-05	7.85E-03	8.08E-03	2.76E-01	1.82E-03	1.89E-03	2.88E-01	8.06E-03	3.16E-05	2.00E-05	5.53E-05	8.17E-03
816	490336.72	3860585.12	7.78E-03	2.63E-05	2.00E-05	5.44E-05	7.88E-03	8.12E-03	2.69E-01	1.83E-03	1.86E-03	2.81E-01	8.10E-03	3.08E-05	2.00E-05	5.44E-05	8.21E-03
817	490386.72	3860585.12	7.81E-03	2.57E-05	2.01E-05	5.36E-05	7.91E-03	8.15E-03	2.62E-01	1.83E-03	1.83E-03	2.74E-01	8.14E-03	3.00E-05	2.01E-05	5.36E-05	8.24E-03
818	490436.72	3860585.12	7.87E-03	2.51E-05	2.02E-05	5.30E-05	7.97E-03	8.21E-03	2.56E-01	1.85E-03	1.81E-03	2.68E-01	8.20E-03	2.93E-05	2.02E-05	5.30E-05	8.30E-03
819	490486.72	3860585.12	7.92E-03	2.45E-05	2.04E-05	5.24E-05	8.01E-03	8.26E-03	2.50E-01	1.86E-03	1.79E-03	2.62E-01	8.24E-03	2.87E-05	2.04E-05	5.24E-05	8.35E-03
820	490536.72	3860585.12	7.93E-03	2.40E-05	2.05E-05	5.17E-05	8.02E-03	8.27E-03	2.45E-01	1.87E-03	1.77E-03	2.57E-01	8.26E-03	2.80E-05	2.05E-05	5.17E-05	8.36E-03
821	490586.72	3860585.12	7.90E-03	2.34E-05	2.05E-05	5.05E-05	8.00E-03	8.25E-03	2.39E-01	1.87E-03	1.73E-03	2.51E-01	8.23E-03	2.73E-05	2.05E-05	5.05E-05	8.33E-03
822	490636.72	3860585.12	7.91E-03	2.29E-05	2.07E-05	4.98E-05	8.00E-03	8.25E-03	2.34E-01	1.89E-03	1.70E-03	2.46E-01	8.23E-03	2.68E-05	2.07E-05	4.98E-05	8.33E-03
823	490686.72	3860585.12	7.90E-03	2.24E-05	2.09E-05	4.91E-05	7.99E-03	8.24E-03	2.29E-01	1.90E-03	1.68E-03	2.41E-01	8.23E-03	2.62E-05	2.09E-05	4.91E-05	8.32E-03
824	490736.72	3860585.12	7.88E-03	2.20E-05	2.11E-05	4.85E-05	7.98E-03	8.23E-03	2.24E-01	1.92E-03	1.66E-03	2.36E-01	8.21E-03	2.57E-05	2.11E-05	4.85E-05	8.31E-03
825	490786.72	3860585.12	7.86E-03	2.15E-05	2.13E-05	4.79E-05	7.95E-03	8.20E-03	2.20E-01	1.94E-03	1.64E-03	2.32E-01	8.18E-03	2.52E-05	2.13E-05	4.79E-05	8.28E-03
826	490136.72	3860635.12	7.51E-03	2.77E-05	1.98E-05	5.36E-05	7.61E-03	7.83E-03	2.83E-01	1.81E-03	1.83E-03	2.94E-01	7.82E-03	3.24E-05	1.98E-05	5.36E-05	7.92E-03
827	490186.72	3860635.12	7.51E-03	2.69E-05	1.98E-05	5.28E-05	7.61E-03	7.84E-03	2.75E-01	1.80E-03	1.81E-03	2.87E-01	7.82E-03	3.15E-05	1.98E-05	5.28E-05	7.92E-03
828	490236.72	3860635.12	7.52E-03	2.62E-05	1.97E-05	5.18E-05	7.62E-03	7.84E-03	2.68E-01	1.79E-03	1.77E-03	2.79E-01	7.83E-03	3.07E-05	1.97E-05	5.18E-05	7.93E-03
829	490286.72	3860635.12	7.55E-03	2.56E-05	1.97E-05	5.10E-05	7.64E-03	7.88E-03	2.61E-01	1.79E-03	1.74E-03	2.72E-01	7.86E-03	2.99E-05	1.97E-05	5.10E-05	7.96E-03
830	490336.72	3860635.12	7.59E-03	2.50E-05	1.97E-05	5.03E-05	7.69E-03	7.92E-03	2.55E-01	1.80E-03	1.72E-03	2.66E-01	7.90E-03	2.92E-05	1.97E-05	5.03E-05	8.00E-03
831	490386.72	3860635.12	7.63E-03	2.44E-05	1.97E-05	4.97E-05	7.72E-03	7.96E-03	2.49E-01	1.80E-03	1.70E-03	2.61E-01	7.94E-03	2.85E-05	1.97E-05	4.97E-05	8.04E-03
832	490436.72	3860635.12	7.66E-03	2.38E-05	1.98E-05	4.90E-05	7.76E-03	8.00E-03	2.43E-01	1.80E-03	1.68E-03	2.55E-01	7.98E-03	2.79E-05	1.98E-05	4.90E-05	8.08E-03
833	490486.72	3860635.12	7.70E-03	2.33E-05	1.98E-05	4.84E-05	7.79E-03	8.03E-03	2.38E-01	1.81E-03	1.66E-03	2.50E-01	8.02E-03	2.73E-05	1.98E-05	4.84E-05	8.11E-03
834	490536.72	3860635.12	7.74E-03	2.28E-05	2.00E-05	4.79E-05	7.83E-03	8.07E-03	2.33E-01	1.82E-03	1.64E-03	2.45E-01	8.06E-03	2.67E-05	2.00E-05	4.79E-05	8.15E-03
835	490586.72	3860635.12	7.74E-03	2.23E-05	2.00E-05	4.71E-05	7.83E-03	8.08E-03	2.28E-01	1.83E-03	1.61E-03	2.40E-01	8.06E-03	2.61E-05	2.00E-05	4.71E-05	8.16E-03
836	490636.72	3860635.12	7.76E-03	2.19E-05	2.02E-05	4.66E-05	7.85E-03	8.09E-03	2.24E-01	1.84E-03	1.59E-03	2.35E-01	8.08E-03	2.56E-05	2.02E-05	4.66E-05	8.17E-03
837	490686.72	3860635.12	7.76E-03	2.15E-05	2.04E-05	4.60E-05	7.85E-03	8.10E-03	2.19E-01	1.86E-03	1.57E-03	2.31E-01	8.08E-03	2.51E-05	2.04E-05	4.60E-05	8.17E-03
838	490736.72	3860635.12	7.75E-03	2.10E-05	2.05E-05	4.54E-05	7.83E-03	8.08E-03	2.15E-01	1.87E-03	1.55E-03	2.26E-01	8.07E-03	2.46E-05	2.05E-05	4.54E-05	8.16E-03
839	490786.72	3860635.12	7.73E-03	2.06E-05	2.07E-05	4.49E-05	7.82E-03	8.07E-03	2.11E-01	1.89E-03	1.53E-03	2.22E-01	8.05E-03	2.41E-05	2.07E-05	4.49E-05	8.14E-03
840	490136.72	3860685.12	7.33E-03	2.60E-05	1.95E-05	4.94E-05	7.42E-03	7.65E-03	2.65E-01	1.77E-03	1.69E-03	2.76E-01	7.63E-03	3.04E-05	1.95E-05	4.94E-05	7.73E-03
841	490186.72	3860685.12	7.38E-03	2.53E-05	1.96E-05	4.86E-05	7.48E-03	7.70E-03	2.59E-01	1.79E-03	1.66E-03	2.70E-01	7.69E-03	2.96E-05	1.96E-05	4.86E-05	7.79E-03
842	490236.72	3860685.12	7.37E-03	2.47E-05	1.95E-05	4.81E-05	7.47E-03	7.69E-03	2.53E-01	1.78E-03	1.64E-03	2.64E-01	7.68E-03	2.89E-05	1.95E-05	4.81E-05	7.78E-03
843	490286.72	3860685.12	7.36E-03	2.41E-05	1.93E-05	4.70E-05	7.45E-03	7.68E-03	2.46E-01	1.76E-03	1.61E-03	2.57E-01	7.67E-03	2.82E-05	1.93E-05	4.70E-05	7.76E-03
844	490336.72	3860685.12	7.41E-03	2.36E-05	1.94E-05	4.66E-05	7.50E-03	7.73E-03	2.41E-01	1.77E-03	1.59E-03	2.52E-01	7.72E-03	2.76E-05	1.94E-05	4.66E-05	7.81E-03
845	490386.72	3860685.12	7.45E-03	2.31E-05	1.94E-05	4.60E-05	7.54E-03	7.77E-03	2.36E-01	1.77E-03	1.57E-03	2.47E-01	7.76E-03	2.70E-05	1.94E-05	4.60E-05	7.85E-03
846	490436.72	3860685.12	7.48E-03	2.26E-05	1.94E-05	4.54E-05	7.56E-03	7.80E-03	2.31E-01	1.77E-03	1.55E-03	2.42E-01	7.79E-03	2.64E-05	1.94E-05	4.54E-05	7.88E-03
847	490486.72	3860685.12	7.51E-03	2.21E-05	1.94E-05	4.49E-05	7.59E-03	7.83E-03	2.26E-01	1.77E-03	1.53E-03	2.37E-01	7.82E-03	2.59E-05	1.94E-05	4.49E-05	7.91E-03
848	490536.72	3860685.12	7.54E-03	2.17E-05	1.95E-05	4.44E-05	7.63E-03	7.87E-03	2.22E-01	1.78E-03	1.52E-03	2.33E-01	7.85E-03	2.54E-05	1.95E-05	4.44E-05	7.94E-03
849	490586.72	3860685.12	7.57E-03	2.13E-05	1.96E-05	4.39E-05	7.65E-03	7.90E-03	2.17E-01	1.79E-03	1.50E-03	2.29E-01	7.88E-03	2.49E-05	1.96E-05	4.39E-05	7.97E-03
850	490636.72	3860685.12	7.59E-03	2.09E-05	1.97E-05	4.35E-05	7.68E-03	7.92E-03	2.13E-01	1.80E-03	1.49E-03	2.25E-01	7.91E-03	2.44E-05	1.97E-05	4.35E-05	8.00E-03

851	490686.72	3860685.12	7.61E-03	2.05E-05	1.99E-05	4.31E-05	7.70E-03	7.94E-03	2.09E-01	1.81E-03	1.47E-03	2.21E-01	7.93E-03	2.40E-05	1.99E-05	4.31E-05	8.02E-03
852	490736.72	3860685.12	7.61E-03	2.01E-05	2.00E-05	4.26E-05	7.70E-03	7.94E-03	2.06E-01	1.83E-03	1.46E-03	2.17E-01	7.93E-03	2.35E-05	2.00E-05	4.26E-05	8.01E-03
853	490786.72	3860685.12	7.62E-03	1.98E-05	2.02E-05	4.22E-05	7.70E-03	7.95E-03	2.02E-01	1.85E-03	1.44E-03	2.13E-01	7.93E-03	2.31E-05	2.02E-05	4.22E-05	8.02E-03
854	490136.72	3860735.12	7.12E-03	2.42E-05	1.89E-05	4.52E-05	7.21E-03	7.43E-03	2.47E-01	1.73E-03	1.55E-03	2.58E-01	7.42E-03	2.83E-05	1.89E-05	4.52E-05	7.51E-03
855	490186.72	3860735.12	7.14E-03	2.37E-05	1.90E-05	4.45E-05	7.22E-03	7.45E-03	2.42E-01	1.73E-03	1.52E-03	2.52E-01	7.43E-03	2.77E-05	1.90E-05	4.45E-05	7.52E-03
856	490236.72	3860735.12	7.16E-03	2.32E-05	1.90E-05	4.40E-05	7.25E-03	7.47E-03	2.37E-01	1.74E-03	1.50E-03	2.47E-01	7.46E-03	2.71E-05	1.90E-05	4.40E-05	7.55E-03
857	490286.72	3860735.12	7.19E-03	2.27E-05	1.91E-05	4.35E-05	7.28E-03	7.50E-03	2.32E-01	1.74E-03	1.49E-03	2.43E-01	7.49E-03	2.66E-05	1.91E-05	4.35E-05	7.58E-03
858	490336.72	3860735.12	7.22E-03	2.22E-05	1.91E-05	4.30E-05	7.31E-03	7.54E-03	2.27E-01	1.74E-03	1.47E-03	2.38E-01	7.52E-03	2.60E-05	1.91E-05	4.30E-05	7.61E-03
859	490386.72	3860735.12	7.27E-03	2.18E-05	1.91E-05	4.26E-05	7.35E-03	7.58E-03	2.23E-01	1.74E-03	1.46E-03	2.34E-01	7.57E-03	2.55E-05	1.91E-05	4.26E-05	7.65E-03
860	490436.72	3860735.12	7.32E-03	2.14E-05	1.92E-05	4.23E-05	7.41E-03	7.64E-03	2.19E-01	1.75E-03	1.45E-03	2.30E-01	7.63E-03	2.51E-05	1.92E-05	4.23E-05	7.71E-03
861	490486.72	3860735.12	7.35E-03	2.10E-05	1.92E-05	4.18E-05	7.43E-03	7.66E-03	2.15E-01	1.75E-03	1.43E-03	2.26E-01	7.65E-03	2.46E-05	1.92E-05	4.18E-05	7.74E-03
862	490536.72	3860735.12	7.36E-03	2.06E-05	1.91E-05	4.12E-05	7.44E-03	7.68E-03	2.10E-01	1.74E-03	1.41E-03	2.21E-01	7.66E-03	2.41E-05	1.91E-05	4.12E-05	7.75E-03
863	490586.72	3860735.12	7.39E-03	2.02E-05	1.92E-05	4.08E-05	7.47E-03	7.71E-03	2.06E-01	1.75E-03	1.40E-03	2.17E-01	7.69E-03	2.36E-05	1.92E-05	4.08E-05	7.78E-03
864	490636.72	3860735.12	7.42E-03	1.98E-05	1.93E-05	4.05E-05	7.49E-03	7.74E-03	2.03E-01	1.76E-03	1.38E-03	2.14E-01	7.72E-03	2.32E-05	1.93E-05	4.05E-05	7.80E-03
865	490686.72	3860735.12	7.45E-03	1.95E-05	1.94E-05	4.02E-05	7.53E-03	7.77E-03	2.00E-01	1.77E-03	1.37E-03	2.10E-01	7.75E-03	2.28E-05	1.94E-05	4.02E-05	7.84E-03
866	490736.72	3860735.12	7.47E-03	1.92E-05	1.96E-05	3.99E-05	7.55E-03	7.79E-03	1.96E-01	1.78E-03	1.36E-03	2.07E-01	7.78E-03	2.25E-05	1.96E-05	3.99E-05	7.86E-03
867	490136.72	3860785.12	6.94E-03	2.25E-05	1.85E-05	4.15E-05	7.03E-03	7.25E-03	2.30E-01	1.69E-03	1.42E-03	2.40E-01	7.23E-03	2.63E-05	1.85E-05	4.15E-05	7.32E-03
868	490186.72	3860785.12	6.96E-03	2.21E-05	1.86E-05	4.11E-05	7.05E-03	7.27E-03	2.26E-01	1.70E-03	1.40E-03	2.36E-01	7.25E-03	2.58E-05	1.86E-05	4.11E-05	7.34E-03
869	490236.72	3860785.12	6.99E-03	2.17E-05	1.87E-05	4.06E-05	7.07E-03	7.29E-03	2.21E-01	1.70E-03	1.39E-03	2.32E-01	7.27E-03	2.54E-05	1.87E-05	4.06E-05	7.36E-03
870	490286.72	3860785.12	7.01E-03	2.13E-05	1.87E-05	4.01E-05	7.09E-03	7.32E-03	2.17E-01	1.71E-03	1.37E-03	2.28E-01	7.30E-03	2.49E-05	1.87E-05	4.01E-05	7.39E-03
871	490336.72	3860785.12	7.04E-03	2.09E-05	1.88E-05	3.97E-05	7.12E-03	7.35E-03	2.13E-01	1.71E-03	1.36E-03	2.24E-01	7.33E-03	2.44E-05	1.88E-05	3.97E-05	7.42E-03
872	490386.72	3860785.12	7.09E-03	2.06E-05	1.88E-05	3.94E-05	7.17E-03	7.40E-03	2.10E-01	1.71E-03	1.35E-03	2.20E-01	7.38E-03	2.41E-05	1.88E-05	3.94E-05	7.46E-03
873	490436.72	3860785.12	7.12E-03	2.02E-05	1.88E-05	3.91E-05	7.20E-03	7.43E-03	2.06E-01	1.72E-03	1.34E-03	2.17E-01	7.42E-03	2.36E-05	1.88E-05	3.91E-05	7.50E-03
874	490486.72	3860785.12	7.17E-03	1.99E-05	1.89E-05	3.88E-05	7.25E-03	7.48E-03	2.03E-01	1.72E-03	1.33E-03	2.14E-01	7.47E-03	2.33E-05	1.89E-05	3.88E-05	7.55E-03
875	490536.72	3860785.12	7.20E-03	1.95E-05	1.88E-05	3.84E-05	7.27E-03	7.51E-03	1.99E-01	1.72E-03	1.31E-03	2.10E-01	7.49E-03	2.28E-05	1.88E-05	3.84E-05	7.57E-03
876	490586.72	3860785.12	7.21E-03	1.92E-05	1.88E-05	3.80E-05	7.29E-03	7.52E-03	1.96E-01	1.71E-03	1.30E-03	2.06E-01	7.51E-03	2.24E-05	1.88E-05	3.80E-05	7.59E-03
877	490636.72	3860785.12	7.24E-03	1.88E-05	1.88E-05	3.77E-05	7.31E-03	7.55E-03	1.92E-01	1.72E-03	1.29E-03	2.03E-01	7.54E-03	2.20E-05	1.88E-05	3.77E-05	7.62E-03
878	490686.72	3860785.12	7.27E-03	1.85E-05	1.89E-05	3.74E-05	7.35E-03	7.59E-03	1.89E-01	1.73E-03	1.28E-03	2.00E-01	7.57E-03	2.17E-05	1.89E-05	3.74E-05	7.65E-03
879	490736.72	3860785.12	7.30E-03	1.83E-05	1.91E-05	3.72E-05	7.38E-03	7.62E-03	1.87E-01	1.74E-03	1.27E-03	1.97E-01	7.60E-03	2.14E-05	1.91E-05	3.72E-05	7.68E-03
880	490086.72	3860835.12	6.78E-03	2.12E-05	1.79E-05	3.87E-05	6.86E-03	7.08E-03	2.17E-01	1.64E-03	1.32E-03	2.27E-01	7.06E-03	2.48E-05	1.79E-05	3.87E-05	7.14E-03
881	490136.72	3860835.12	6.80E-03	2.09E-05	1.82E-05	3.84E-05	6.88E-03	7.10E-03	2.14E-01	1.66E-03	1.31E-03	2.24E-01	7.08E-03	2.45E-05	1.82E-05	3.84E-05	7.16E-03
882	490186.72	3860835.12	6.81E-03	2.06E-05	1.83E-05	3.80E-05	6.88E-03	7.10E-03	2.10E-01	1.67E-03	1.30E-03	2.20E-01	7.09E-03	2.41E-05	1.83E-05	3.80E-05	7.17E-03
883	490236.72	3860835.12	6.82E-03	2.02E-05	1.84E-05	3.76E-05	6.90E-03	7.12E-03	2.07E-01	1.68E-03	1.29E-03	2.17E-01	7.11E-03	2.37E-05	1.84E-05	3.76E-05	7.18E-03
884	490286.72	3860835.12	6.85E-03	1.99E-05	1.84E-05	3.72E-05	6.93E-03	7.15E-03	2.04E-01	1.68E-03	1.27E-03	2.14E-01	7.13E-03	2.33E-05	1.84E-05	3.72E-05	7.21E-03
885	490336.72	3860835.12	6.87E-03	1.96E-05	1.85E-05	3.68E-05	6.95E-03	7.17E-03	2.00E-01	1.68E-03	1.26E-03	2.10E-01	7.16E-03	2.29E-05	1.85E-05	3.68E-05	7.24E-03
886	490386.72	3860835.12	6.90E-03	1.93E-05	1.85E-05	3.65E-05	6.98E-03	7.20E-03	1.97E-01	1.69E-03	1.25E-03	2.07E-01	7.19E-03	2.26E-05	1.85E-05	3.65E-05	7.27E-03
887	490436.72	3860835.12	6.95E-03	1.90E-05	1.85E-05	3.63E-05	7.02E-03	7.25E-03	1.94E-01	1.69E-03	1.24E-03	2.04E-01	7.23E-03	2.22E-05	1.85E-05	3.63E-05	7.31E-03
888	490486.72	3860835.12	6.99E-03	1.87E-05	1.85E-05	3.60E-05	7.06E-03	7.29E-03	1.91E-01	1.69E-03	1.23E-03	2.02E-01	7.27E-03	2.19E-05	1.85E-05	3.60E-05	7.35E-03
889	490536.72	3860835.12	7.02E-03	1.84E-05	1.85E-05	3.57E-05	7.09E-03	7.32E-03	1.88E-01	1.69E-03	1.22E-03	1.99E-01	7.31E-03	2.16E-05	1.85E-05	3.57E-05	7.38E-03
890	490586.72	3860835.12	7.04E-03	1.81E-05	1.85E-05	3.54E-05	7.12E-03	7.35E-03	1.85E-01	1.69E-03	1.21E-03	1.96E-01	7.34E-03	2.12E-05	1.85E-05	3.54E-05	7.41E-03
891	490636.72	3860835.12	7.07E-03	1.79E-05	1.85E-05	3.51E-05	7.14E-03	7.38E-03	1.82E-01	1.69E-03	1.20E-03	1.93E-01	7.36E-03	2.09E-05	1.85E-05	3.51E-05	7.44E-03
892	490686.72	3860835.12	7.10E-03	1.76E-05	1.86E-05	3.49E-05	7.18E-03	7.41E-03	1.80E-01	1.69E-03	1.19E-03	1.90E-01	7.40E-03	2.06E-05	1.86E-05	3.49E-05	7.47E-03
893	490736.72	3860835.12	7.14E-03	1.74E-05	1.87E-05	3.47E-05	7.21E-03	7.45E-03	1.77E-01	1.70E-03	1.19E-03	1.88E-01	7.44E-03	2.03E-05	1.87E-05	3.47E-05	7.51E-03
894	490086.72	3860885.12	6.65E-03	1.97E-05	1.76E-05	3.58E-05	6.73E-03	6.94E-03	2.01E-01	1.60E-03	1.22E-03	2.11E-01	6.93E-03	2.30E-05	1.76E-05	3.58E-05	7.00E-03
895	490136.72	3860885.12	6.66E-03	1.94E-05	1.78E-05	3.55E-05	6.73E-03	6.95E-03	1.99E-01	1.62E-03	1.21E-03	2.08E-01	6.93E-03	2.27E-05	1.78E-05	3.55E-05	7.01E-03
896	490186.72	3860885.12	6.66E-03	1.92E-05	1.79E-05	3.52E-05	6.74E-03	6.95E-03	1.96E-01	1.64E-03	1.20E-03	2.06E-01	6.94E-03	2.24E-05	1.79E-05	3.52E-05	7.02E-03
897	490236.72	3860885.12	6.68E-03	1.89E-05	1.81E-05	3.49E-05	6.75E-03	6.97E-03	1.93E-01	1.65E-03	1.19E-03	2.03E-01	6.95E-03	2.21E-05	1.81E-05	3.49E-05	7.03E-03
898	490286.72	3860885.12	6.69E-03	1.86E-05	1.81E-05	3.46E-05	6.77E-03	6.98E-03	1.90E-01	1.65E-03	1.18E-03	2.00E-01	6.97E-03	2.18E-05	1.81E-05	3.46E-05	7.05E-03
899	490336.72	3860885.12	6.71E-03	1.84E-05	1.82E-05	3.43E-05	6.78E-03	7.00E-03	1.88E-01	1.66E-03	1.17E-03	1.97E-01	6.99E-03	2.15E-05	1.82E-05	3.43E-05	7.06E-03
900	490386.72	3860885.12	6.74E-03	1.81E-05	1.82E-05	3.40E-05	6.81E-03	7.03E-03	1.85E-01	1.66E-03	1.16E-03	1.95E-01	7.02E-03	2.12E-05	1.82E-05	3.40E-05	7.09E-03
901	490436.72	3860885.12	6.78E-03	1.79E-05	1.82E-05	3.38E-05	6.85E-03	7.07E-03	1.83E-01	1.66E-03	1.16E-03	1.93E-01	7.06E-03	2.09E-05	1.82E-05	3.38E-05	7.13E-03
902	490486.72	3860885.12	6.82E-03	1.76E-05	1.82E-05	3.35E-05	6.88E-03	7.11E-03	1.80E-01	1.66E-03	1.15E-03	1.90E-01	7.10E-03	2.06E-05	1.82E-05	3.35E-05	7.17E-03
903	490536.72	3860885.12	6.85E-03	1.74E-05	1.82E-05	3.33E-05	6.92E-03	7.15E-03	1.78E-01	1.66E-03	1.14E-03	1.88E-01	7.13E-03	2.04E-05	1.82E-05	3.33E-05	7.20E-03
904	490586.72	3860885.12	6.88E-03	1.72E-05	1.82E-05	3.30E-05	6.95E-03	7.18E-03	1.75E-01	1.66E-03	1.13E-03	1.85E-01	7.16E-03	2.01E-05	1.82E-05	3.30E-05	7.23E-03
905	490636.72	3860885.12	6.91E-03	1.69E-05	1.82E-05	3.28E-05	6.97E-03	7.21E-03	1.73E-01	1.66E-03	1.12E-03	1.83E-01	7.19E-03	1.98E-05	1.82E-05	3.28E-05	7.26E-03
906	490686.72	3860885.12	6.94E-03	1.67E-05	1.82E-05	3.26E-05	7.00E-03	7.24E-03	1.70E-01	1.66E-03	1.11E-03	1.80E-01	7.22E-03	1.95E-05	1.82E-05	3.26E-05	7.29E-03
907	490736.72	3860885.12	6.97E-03	1.65E-05	1.83E-05	3.24E-05	7.03E-03	7.27E-03	1.68E-01	1.67E-03	1.11E-03	1.78E-01	7.26E-03	1.93E-05	1.83E-05	3.24E-05	7.33E-03
908	490086.72	3860935.12	6.52E-03	1.82E-05	1.71E-05	3.30E-05	6.59E-03	6.80E-03	1.86E-01	1.56E-03	1.13E-03	1.96E-01	6.79E-03	2.13E-05	1.71E-05	3.30E-05	6.86E-03
909	490136.72	3860935.12	6.51E-03	1.80E-05	1.74E-05	3.28E-05	6.58E-03	6.80E-03	1.84E-01	1.58E-03	1.12E-03	1.93E-01	6.78E-03	2.11E-05	1.74E-05	3.28E-05	6.86E-03
910	490186.72	3860935.12	6.52E-03	1.78E-05	1.76E-05	3.27E-05	6.59E-03	6.81E-03	1.82E-01	1.60E-03	1.12E-03	1.92E-01	6.79E-03	2.08E-05	1.76E-05	3.27E-05	6.86E-03
911	490236.72	3860935.12	6.53E-03	1.76E-05	1.77E-05	3.25E-05	6.60E-03	6.82E-03	1.80E-01	1.62E-03	1.11E-03	1.90E-01	6.80E-03	2.06E-05	1.77E-05	3.25E-05	6.87E-03

912	490286.72	3860935.12	6.55E-03	1.74E-05	1.78E-05	3.23E-05	6.62E-03	6.83E-03	1.78E-01	1.63E-03	1.10E-03	1.88E-01	6.82E-03	2.04E-05	1.78E-05	3.23E-05	6.89E-03
913	490336.72	3860935.12	6.56E-03	1.72E-05	1.79E-05	3.20E-05	6.63E-03	6.85E-03	1.76E-01	1.63E-03	1.10E-03	1.85E-01	6.83E-03	2.01E-05	1.79E-05	3.20E-05	6.90E-03
914	490386.72	3860935.12	6.59E-03	1.70E-05	1.79E-05	3.18E-05	6.66E-03	6.88E-03	1.74E-01	1.64E-03	1.09E-03	1.83E-01	6.86E-03	1.99E-05	1.79E-05	3.18E-05	6.93E-03
915	490436.72	3860935.12	6.62E-03	1.68E-05	1.80E-05	3.16E-05	6.69E-03	6.91E-03	1.72E-01	1.64E-03	1.08E-03	1.82E-01	6.90E-03	1.97E-05	1.80E-05	3.16E-05	6.97E-03
916	490486.72	3860935.12	6.65E-03	1.66E-05	1.80E-05	3.14E-05	6.72E-03	6.94E-03	1.70E-01	1.64E-03	1.07E-03	1.79E-01	6.93E-03	1.94E-05	1.80E-05	3.14E-05	7.00E-03
917	490536.72	3860935.12	6.69E-03	1.64E-05	1.80E-05	3.12E-05	6.75E-03	6.98E-03	1.68E-01	1.64E-03	1.07E-03	1.77E-01	6.96E-03	1.92E-05	1.80E-05	3.12E-05	7.03E-03
918	490586.72	3860935.12	6.71E-03	1.62E-05	1.79E-05	3.10E-05	6.78E-03	7.01E-03	1.66E-01	1.64E-03	1.06E-03	1.75E-01	6.99E-03	1.90E-05	1.79E-05	3.10E-05	7.06E-03
919	490636.72	3860935.12	6.74E-03	1.60E-05	1.79E-05	3.07E-05	6.81E-03	7.04E-03	1.63E-01	1.63E-03	1.05E-03	1.73E-01	7.02E-03	1.87E-05	1.79E-05	3.07E-05	7.09E-03
920	490686.72	3860935.12	6.78E-03	1.58E-05	1.79E-05	3.06E-05	6.84E-03	7.07E-03	1.61E-01	1.64E-03	1.05E-03	1.71E-01	7.06E-03	1.85E-05	1.79E-05	3.06E-05	7.12E-03
921	490736.72	3860935.12	6.81E-03	1.56E-05	1.80E-05	3.04E-05	6.87E-03	7.10E-03	1.59E-01	1.64E-03	1.04E-03	1.69E-01	7.09E-03	1.83E-05	1.80E-05	3.04E-05	7.15E-03
922	490786.72	3860935.12	6.84E-03	1.54E-05	1.80E-05	3.02E-05	6.90E-03	7.13E-03	1.58E-01	1.64E-03	1.03E-03	1.67E-01	7.12E-03	1.80E-05	1.80E-05	3.02E-05	7.19E-03
923	490836.72	3860935.12	6.87E-03	1.53E-05	1.81E-05	3.02E-05	6.93E-03	7.17E-03	1.56E-01	1.65E-03	1.03E-03	1.66E-01	7.16E-03	1.78E-05	1.81E-05	3.02E-05	7.22E-03
924	490086.72	3860985.12	6.39E-03	1.69E-05	1.67E-05	3.06E-05	6.46E-03	6.67E-03	1.73E-01	1.52E-03	1.05E-03	1.82E-01	6.66E-03	1.98E-05	1.67E-05	3.06E-05	6.73E-03
925	490136.72	3860985.12	6.40E-03	1.67E-05	1.70E-05	3.05E-05	6.46E-03	6.67E-03	1.71E-01	1.55E-03	1.04E-03	1.80E-01	6.66E-03	1.96E-05	1.70E-05	3.05E-05	6.73E-03
926	490186.72	3860985.12	6.40E-03	1.66E-05	1.72E-05	3.04E-05	6.47E-03	6.68E-03	1.70E-01	1.57E-03	1.04E-03	1.79E-01	6.67E-03	1.94E-05	1.72E-05	3.04E-05	6.74E-03
927	490236.72	3860985.12	6.40E-03	1.64E-05	1.74E-05	3.02E-05	6.47E-03	6.68E-03	1.68E-01	1.59E-03	1.03E-03	1.77E-01	6.67E-03	1.92E-05	1.74E-05	3.02E-05	6.73E-03
928	490286.72	3860985.12	6.41E-03	1.63E-05	1.75E-05	3.01E-05	6.47E-03	6.69E-03	1.66E-01	1.60E-03	1.03E-03	1.76E-01	6.68E-03	1.90E-05	1.75E-05	3.01E-05	6.74E-03
929	490336.72	3860985.12	6.42E-03	1.61E-05	1.76E-05	2.99E-05	6.49E-03	6.70E-03	1.65E-01	1.61E-03	1.02E-03	1.74E-01	6.69E-03	1.89E-05	1.76E-05	2.99E-05	6.76E-03
930	490386.72	3860985.12	6.44E-03	1.60E-05	1.77E-05	2.98E-05	6.51E-03	6.72E-03	1.63E-01	1.61E-03	1.02E-03	1.72E-01	6.71E-03	1.87E-05	1.77E-05	2.98E-05	6.78E-03
931	490436.72	3860985.12	6.48E-03	1.58E-05	1.77E-05	2.97E-05	6.54E-03	6.76E-03	1.62E-01	1.62E-03	1.01E-03	1.71E-01	6.74E-03	1.85E-05	1.77E-05	2.97E-05	6.81E-03
932	490486.72	3860985.12	6.50E-03	1.56E-05	1.77E-05	2.95E-05	6.56E-03	6.78E-03	1.60E-01	1.62E-03	1.01E-03	1.69E-01	6.77E-03	1.83E-05	1.77E-05	2.95E-05	6.84E-03
933	490536.72	3860985.12	6.53E-03	1.55E-05	1.77E-05	2.93E-05	6.59E-03	6.81E-03	1.58E-01	1.62E-03	1.00E-03	1.67E-01	6.80E-03	1.81E-05	1.77E-05	2.93E-05	6.86E-03
934	490586.72	3860985.12	6.55E-03	1.53E-05	1.77E-05	2.91E-05	6.62E-03	6.84E-03	1.56E-01	1.61E-03	9.95E-04	1.66E-01	6.83E-03	1.79E-05	1.77E-05	2.91E-05	6.89E-03
935	490636.72	3860985.12	6.59E-03	1.51E-05	1.77E-05	2.89E-05	6.65E-03	6.88E-03	1.55E-01	1.61E-03	9.90E-04	1.64E-01	6.86E-03	1.77E-05	1.77E-05	2.89E-05	6.93E-03
936	490686.72	3860985.12	6.62E-03	1.50E-05	1.77E-05	2.87E-05	6.68E-03	6.91E-03	1.53E-01	1.61E-03	9.83E-04	1.62E-01	6.89E-03	1.75E-05	1.77E-05	2.87E-05	6.96E-03
937	490736.72	3860985.12	6.65E-03	1.48E-05	1.77E-05	2.86E-05	6.71E-03	6.94E-03	1.51E-01	1.61E-03	9.78E-04	1.61E-01	6.92E-03	1.73E-05	1.77E-05	2.86E-05	6.99E-03
938	490786.72	3860985.12	6.68E-03	1.46E-05	1.77E-05	2.85E-05	6.74E-03	6.97E-03	1.49E-01	1.61E-03	9.73E-04	1.59E-01	6.95E-03	1.71E-05	1.77E-05	2.85E-05	7.02E-03
939	490836.72	3860985.12	6.71E-03	1.45E-05	1.78E-05	2.84E-05	6.77E-03	7.00E-03	1.48E-01	1.62E-03	9.70E-04	1.58E-01	6.99E-03	1.69E-05	1.78E-05	2.84E-05	7.05E-03
940	490086.72	3861035.12	6.28E-03	1.57E-05	1.63E-05	2.84E-05	6.34E-03	6.55E-03	1.60E-01	1.48E-03	9.73E-04	1.69E-01	6.53E-03	1.83E-05	1.63E-05	2.84E-05	6.60E-03
941	490136.72	3861035.12	6.28E-03	1.56E-05	1.66E-05	2.84E-05	6.34E-03	6.55E-03	1.59E-01	1.51E-03	9.70E-04	1.68E-01	6.54E-03	1.82E-05	1.66E-05	2.84E-05	6.60E-03
942	490186.72	3861035.12	6.28E-03	1.55E-05	1.68E-05	2.83E-05	6.34E-03	6.55E-03	1.58E-01	1.54E-03	9.67E-04	1.67E-01	6.54E-03	1.81E-05	1.68E-05	2.83E-05	6.60E-03
943	490236.72	3861035.12	6.28E-03	1.54E-05	1.71E-05	2.82E-05	6.34E-03	6.56E-03	1.57E-01	1.56E-03	9.64E-04	1.66E-01	6.54E-03	1.80E-05	1.71E-05	2.82E-05	6.61E-03
944	490286.72	3861035.12	6.28E-03	1.52E-05	1.72E-05	2.81E-05	6.34E-03	6.56E-03	1.56E-01	1.57E-03	9.61E-04	1.65E-01	6.54E-03	1.78E-05	1.72E-05	2.81E-05	6.61E-03
945	490336.72	3861035.12	6.29E-03	1.51E-05	1.73E-05	2.80E-05	6.35E-03	6.56E-03	1.54E-01	1.58E-03	9.57E-04	1.63E-01	6.55E-03	1.77E-05	1.73E-05	2.80E-05	6.61E-03
946	490386.72	3861035.12	6.31E-03	1.50E-05	1.74E-05	2.79E-05	6.37E-03	6.58E-03	1.53E-01	1.59E-03	9.55E-04	1.62E-01	6.57E-03	1.75E-05	1.74E-05	2.79E-05	6.63E-03
947	490436.72	3861035.12	6.33E-03	1.49E-05	1.75E-05	2.78E-05	6.40E-03	6.61E-03	1.52E-01	1.59E-03	9.52E-04	1.61E-01	6.60E-03	1.74E-05	1.75E-05	2.78E-05	6.66E-03
948	490486.72	3861035.12	6.36E-03	1.47E-05	1.75E-05	2.77E-05	6.42E-03	6.63E-03	1.51E-01	1.60E-03	9.48E-04	1.60E-01	6.62E-03	1.72E-05	1.75E-05	2.77E-05	6.68E-03
949	490536.72	3861035.12	6.38E-03	1.46E-05	1.75E-05	2.76E-05	6.44E-03	6.66E-03	1.49E-01	1.60E-03	9.43E-04	1.58E-01	6.64E-03	1.71E-05	1.75E-05	2.76E-05	6.71E-03
950	490586.72	3861035.12	6.40E-03	1.44E-05	1.75E-05	2.74E-05	6.46E-03	6.68E-03	1.48E-01	1.59E-03	9.37E-04	1.57E-01	6.67E-03	1.69E-05	1.75E-05	2.74E-05	6.73E-03
951	490636.72	3861035.12	6.43E-03	1.43E-05	1.75E-05	2.73E-05	6.49E-03	6.71E-03	1.46E-01	1.59E-03	9.32E-04	1.55E-01	6.70E-03	1.67E-05	1.75E-05	2.73E-05	6.76E-03
952	490686.72	3861035.12	6.46E-03	1.41E-05	1.74E-05	2.71E-05	6.52E-03	6.74E-03	1.45E-01	1.59E-03	9.27E-04	1.54E-01	6.73E-03	1.65E-05	1.74E-05	2.71E-05	6.79E-03
953	490736.72	3861035.12	6.49E-03	1.40E-05	1.74E-05	2.70E-05	6.55E-03	6.77E-03	1.43E-01	1.59E-03	9.22E-04	1.52E-01	6.76E-03	1.64E-05	1.74E-05	2.70E-05	6.82E-03
954	490786.72	3861035.12	6.53E-03	1.39E-05	1.74E-05	2.68E-05	6.58E-03	6.81E-03	1.42E-01	1.59E-03	9.18E-04	1.51E-01	6.80E-03	1.62E-05	1.74E-05	2.68E-05	6.86E-03
955	490836.72	3861035.12	6.56E-03	1.37E-05	1.75E-05	2.68E-05	6.62E-03	6.85E-03	1.40E-01	1.59E-03	9.15E-04	1.50E-01	6.83E-03	1.61E-05	1.75E-05	2.68E-05	6.89E-03
956	490086.72	3861085.12	6.16E-03	1.46E-05	1.58E-05	2.66E-05	6.22E-03	6.43E-03	1.49E-01	1.44E-03	9.09E-04	1.58E-01	6.41E-03	1.71E-05	1.58E-05	2.66E-05	6.47E-03
957	490136.72	3861085.12	6.17E-03	1.45E-05	1.62E-05	2.65E-05	6.23E-03	6.44E-03	1.48E-01	1.48E-03	9.07E-04	1.57E-01	6.42E-03	1.70E-05	1.62E-05	2.65E-05	6.48E-03
958	490186.72	3861085.12	6.18E-03	1.45E-05	1.65E-05	2.65E-05	6.24E-03	6.45E-03	1.48E-01	1.50E-03	9.06E-04	1.57E-01	6.43E-03	1.69E-05	1.65E-05	2.65E-05	6.49E-03
959	490236.72	3861085.12	6.17E-03	1.44E-05	1.67E-05	2.64E-05	6.23E-03	6.44E-03	1.47E-01	1.53E-03	9.03E-04	1.56E-01	6.43E-03	1.68E-05	1.67E-05	2.64E-05	6.49E-03
960	490286.72	3861085.12	6.17E-03	1.43E-05	1.69E-05	2.63E-05	6.23E-03	6.44E-03	1.46E-01	1.54E-03	9.00E-04	1.55E-01	6.43E-03	1.67E-05	1.69E-05	2.63E-05	6.49E-03
961	490336.72	3861085.12	6.17E-03	1.42E-05	1.70E-05	2.62E-05	6.23E-03	6.44E-03	1.45E-01	1.55E-03	8.97E-04	1.54E-01	6.43E-03	1.66E-05	1.70E-05	2.62E-05	6.49E-03
962	490386.72	3861085.12	6.19E-03	1.41E-05	1.71E-05	2.62E-05	6.24E-03	6.45E-03	1.44E-01	1.56E-03	8.97E-04	1.53E-01	6.44E-03	1.65E-05	1.71E-05	2.62E-05	6.50E-03
963	490436.72	3861085.12	6.20E-03	1.40E-05	1.72E-05	2.62E-05	6.26E-03	6.47E-03	1.43E-01	1.57E-03	8.95E-04	1.52E-01	6.46E-03	1.64E-05	1.72E-05	2.62E-05	6.52E-03
964	490486.72	3861085.12	6.22E-03	1.39E-05	1.72E-05	2.61E-05	6.27E-03	6.49E-03	1.42E-01	1.57E-03	8.92E-04	1.51E-01	6.47E-03	1.62E-05	1.72E-05	2.61E-05	6.53E-03
965	490536.72	3861085.12	6.24E-03	1.38E-05	1.73E-05	2.60E-05	6.30E-03	6.51E-03	1.41E-01	1.57E-03	8.89E-04	1.50E-01	6.50E-03	1.61E-05	1.73E-05	2.60E-05	6.56E-03
966	490586.72	3861085.12	6.26E-03	1.36E-05	1.72E-05	2.59E-05	6.32E-03	6.54E-03	1.39E-01	1.57E-03	8.84E-04	1.48E-01	6.52E-03	1.60E-05	1.72E-05	2.59E-05	6.58E-03
967	490636.72	3861085.12	6.28E-03	1.35E-05	1.72E-05	2.57E-05	6.34E-03	6.56E-03	1.38E-01	1.57E-03	8.80E-04	1.47E-01	6.54E-03	1.58E-05	1.72E-05	2.57E-05	6.60E-03
968	490686.72	3861085.12	6.31E-03	1.34E-05	1.72E-05	2.56E-05	6.37E-03	6.58E-03	1.37E-01	1.57E-03	8.75E-04	1.46E-01	6.57E-03	1.57E-05	1.72E-05	2.56E-05	6.63E-03
969	490736.72	3861085.12	6.34E-03	1.33E-05	1.72E-05	2.55E-05	6.40E-03	6.62E-03	1.36E-01	1.57E-03	8.72E-04	1.45E-01	6.60E-03	1.55E-05	1.72E-05	2.55E-05	6.66E-03
970	490786.72	3861085.12	6.38E-03	1.32E-05	1.72E-05	2.54E-05	6.43E-03	6.65E-03	1.34E-01	1.57E-03	8.68E-04	1.43E-01	6.64E-03	1.54E-05	1.72E-05	2.54E-05	6.70E-03
971	490836.72	3861085.12	6.41E-03	1.30E-05	1.72E-05	2.53E-05	6.46E-03	6.69E-03	1.33E-01	1.57E-03	8.65E-04	1.42E-01	6.67E-03	1.53E-05	1.72E-05	2.53E-05	6.73E-03
972	490086.72	3861135.12	6.05E-03	1.36E-05	1.54E-05	2.49E-05	6.10E-03	6.31E-03	1.39E-01	1.40E-03	8.51E-04	1.47E-01	6.30E-03	1.59E-05	1.54E-05	2.49E-05	6.35E-03

973	490136.72	3861135.12	6.05E-03	1.35E-05	1.58E-05	2.48E-05	6.11E-03	6.32E-03	1.38E-01	1.44E-03	8.50E-04	1.47E-01	6.30E-03	1.58E-05	1.58E-05	2.48E-05	6.36E-03
974	490186.72	3861135.12	6.06E-03	1.35E-05	1.61E-05	2.48E-05	6.12E-03	6.32E-03	1.38E-01	1.47E-03	8.49E-04	1.47E-01	6.31E-03	1.58E-05	1.61E-05	2.48E-05	6.37E-03
975	490236.72	3861135.12	6.06E-03	1.34E-05	1.64E-05	2.48E-05	6.12E-03	6.33E-03	1.37E-01	1.49E-03	8.47E-04	1.46E-01	6.32E-03	1.57E-05	1.64E-05	2.48E-05	6.37E-03
976	490286.72	3861135.12	6.06E-03	1.34E-05	1.66E-05	2.47E-05	6.12E-03	6.33E-03	1.37E-01	1.51E-03	8.46E-04	1.45E-01	6.32E-03	1.57E-05	1.66E-05	2.47E-05	6.37E-03
977	490336.72	3861135.12	6.06E-03	1.33E-05	1.67E-05	2.47E-05	6.12E-03	6.33E-03	1.36E-01	1.53E-03	8.44E-04	1.45E-01	6.31E-03	1.56E-05	1.67E-05	2.47E-05	6.37E-03
978	490386.72	3861135.12	6.07E-03	1.32E-05	1.69E-05	2.46E-05	6.12E-03	6.33E-03	1.35E-01	1.54E-03	8.43E-04	1.44E-01	6.32E-03	1.55E-05	1.69E-05	2.46E-05	6.38E-03
979	490436.72	3861135.12	6.08E-03	1.32E-05	1.69E-05	2.46E-05	6.13E-03	6.34E-03	1.34E-01	1.55E-03	8.42E-04	1.43E-01	6.33E-03	1.54E-05	1.69E-05	2.46E-05	6.38E-03
980	490486.72	3861135.12	6.09E-03	1.31E-05	1.70E-05	2.46E-05	6.14E-03	6.35E-03	1.34E-01	1.55E-03	8.40E-04	1.42E-01	6.34E-03	1.53E-05	1.70E-05	2.46E-05	6.40E-03
981	490536.72	3861135.12	6.11E-03	1.30E-05	1.70E-05	2.45E-05	6.16E-03	6.37E-03	1.33E-01	1.55E-03	8.38E-04	1.41E-01	6.36E-03	1.52E-05	1.70E-05	2.45E-05	6.42E-03
982	490586.72	3861135.12	6.12E-03	1.29E-05	1.70E-05	2.44E-05	6.18E-03	6.39E-03	1.32E-01	1.55E-03	8.36E-04	1.40E-01	6.38E-03	1.51E-05	1.70E-05	2.44E-05	6.43E-03
983	490636.72	3861135.12	6.14E-03	1.28E-05	1.70E-05	2.43E-05	6.20E-03	6.41E-03	1.31E-01	1.55E-03	8.32E-04	1.39E-01	6.40E-03	1.50E-05	1.70E-05	2.43E-05	6.45E-03
984	490686.72	3861135.12	6.17E-03	1.27E-05	1.70E-05	2.42E-05	6.22E-03	6.43E-03	1.30E-01	1.55E-03	8.28E-04	1.38E-01	6.42E-03	1.48E-05	1.70E-05	2.42E-05	6.48E-03
985	490736.72	3861135.12	6.20E-03	1.26E-05	1.70E-05	2.42E-05	6.25E-03	6.47E-03	1.29E-01	1.55E-03	8.26E-04	1.37E-01	6.45E-03	1.47E-05	1.70E-05	2.42E-05	6.51E-03
986	490786.72	3861135.12	6.23E-03	1.25E-05	1.69E-05	2.41E-05	6.28E-03	6.50E-03	1.28E-01	1.55E-03	8.23E-04	1.36E-01	6.49E-03	1.46E-05	1.69E-05	2.41E-05	6.54E-03
987	490836.72	3861135.12	6.26E-03	1.24E-05	1.69E-05	2.40E-05	6.31E-03	6.53E-03	1.27E-01	1.55E-03	8.20E-04	1.35E-01	6.52E-03	1.45E-05	1.69E-05	2.40E-05	6.58E-03
988	490086.72	3861185.12	5.94E-03	1.27E-05	1.49E-05	2.34E-05	5.99E-03	6.19E-03	1.30E-01	1.36E-03	8.01E-04	1.38E-01	6.18E-03	1.49E-05	1.49E-05	2.34E-05	6.23E-03
989	490136.72	3861185.12	5.94E-03	1.26E-05	1.53E-05	2.34E-05	5.99E-03	6.19E-03	1.29E-01	1.40E-03	7.99E-04	1.38E-01	6.18E-03	1.48E-05	1.53E-05	2.34E-05	6.23E-03
990	490186.72	3861185.12	5.94E-03	1.26E-05	1.57E-05	2.33E-05	5.99E-03	6.20E-03	1.29E-01	1.43E-03	7.97E-04	1.37E-01	6.19E-03	1.48E-05	1.57E-05	2.33E-05	6.24E-03
991	490236.72	3861185.12	5.95E-03	1.26E-05	1.60E-05	2.33E-05	6.00E-03	6.20E-03	1.28E-01	1.46E-03	7.97E-04	1.37E-01	6.19E-03	1.47E-05	1.60E-05	2.33E-05	6.25E-03
992	490286.72	3861185.12	5.95E-03	1.25E-05	1.62E-05	2.33E-05	6.01E-03	6.21E-03	1.28E-01	1.48E-03	7.97E-04	1.37E-01	6.20E-03	1.47E-05	1.62E-05	2.33E-05	6.26E-03
993	490336.72	3861185.12	5.94E-03	1.25E-05	1.64E-05	2.32E-05	6.00E-03	6.20E-03	1.27E-01	1.50E-03	7.94E-04	1.36E-01	6.19E-03	1.46E-05	1.64E-05	2.32E-05	6.24E-03
994	490386.72	3861185.12	5.95E-03	1.24E-05	1.65E-05	2.32E-05	6.00E-03	6.21E-03	1.27E-01	1.51E-03	7.94E-04	1.35E-01	6.19E-03	1.45E-05	1.65E-05	2.32E-05	6.25E-03
995	490436.72	3861185.12	5.96E-03	1.24E-05	1.67E-05	2.32E-05	6.01E-03	6.22E-03	1.26E-01	1.52E-03	7.94E-04	1.35E-01	6.21E-03	1.45E-05	1.67E-05	2.32E-05	6.26E-03
996	490486.72	3861185.12	5.97E-03	1.23E-05	1.67E-05	2.32E-05	6.02E-03	6.23E-03	1.26E-01	1.53E-03	7.93E-04	1.34E-01	6.21E-03	1.44E-05	1.67E-05	2.32E-05	6.27E-03
997	490536.72	3861185.12	5.99E-03	1.23E-05	1.68E-05	2.32E-05	6.04E-03	6.25E-03	1.25E-01	1.53E-03	7.93E-04	1.34E-01	6.24E-03	1.44E-05	1.68E-05	2.32E-05	6.29E-03
998	490586.72	3861185.12	6.00E-03	1.22E-05	1.68E-05	2.31E-05	6.05E-03	6.26E-03	1.25E-01	1.53E-03	7.91E-04	1.33E-01	6.25E-03	1.43E-05	1.68E-05	2.31E-05	6.30E-03
999	490636.72	3861185.12	6.01E-03	1.21E-05	1.68E-05	2.30E-05	6.06E-03	6.27E-03	1.24E-01	1.53E-03	7.87E-04	1.32E-01	6.26E-03	1.41E-05	1.68E-05	2.30E-05	6.31E-03
1000	490686.72	3861185.12	6.03E-03	1.20E-05	1.68E-05	2.29E-05	6.08E-03	6.29E-03	1.23E-01	1.53E-03	7.85E-04	1.31E-01	6.28E-03	1.41E-05	1.68E-05	2.29E-05	6.33E-03
1001	490736.72	3861185.12	6.06E-03	1.19E-05	1.68E-05	2.29E-05	6.11E-03	6.32E-03	1.22E-01	1.53E-03	7.83E-04	1.31E-01	6.31E-03	1.40E-05	1.68E-05	2.29E-05	6.37E-03
1002	490786.72	3861185.12	6.09E-03	1.19E-05	1.68E-05	2.29E-05	6.14E-03	6.36E-03	1.21E-01	1.53E-03	7.82E-04	1.30E-01	6.34E-03	1.39E-05	1.68E-05	2.29E-05	6.40E-03
1003	490836.72	3861185.12	6.12E-03	1.18E-05	1.67E-05	2.28E-05	6.17E-03	6.39E-03	1.20E-01	1.53E-03	7.79E-04	1.29E-01	6.38E-03	1.38E-05	1.67E-05	2.28E-05	6.43E-03
1004	490086.72	3861235.12	5.83E-03	1.19E-05	1.45E-05	2.21E-05	5.87E-03	6.08E-03	1.22E-01	1.32E-03	7.56E-04	1.30E-01	6.07E-03	1.39E-05	1.45E-05	2.21E-05	6.12E-03
1005	490136.72	3861235.12	5.83E-03	1.19E-05	1.49E-05	2.21E-05	5.88E-03	6.08E-03	1.21E-01	1.36E-03	7.55E-04	1.29E-01	6.07E-03	1.39E-05	1.49E-05	2.21E-05	6.12E-03
1006	490186.72	3861235.12	5.84E-03	1.18E-05	1.53E-05	2.20E-05	5.88E-03	6.09E-03	1.21E-01	1.39E-03	7.53E-04	1.29E-01	6.08E-03	1.38E-05	1.53E-05	2.20E-05	6.13E-03
1007	490236.72	3861235.12	5.83E-03	1.18E-05	1.56E-05	2.20E-05	5.88E-03	6.08E-03	1.20E-01	1.42E-03	7.52E-04	1.29E-01	6.07E-03	1.38E-05	1.56E-05	2.20E-05	6.12E-03
1008	490386.72	3861235.12	5.83E-03	1.17E-05	1.62E-05	2.19E-05	5.88E-03	6.09E-03	1.19E-01	1.48E-03	7.49E-04	1.28E-01	6.07E-03	1.37E-05	1.62E-05	2.19E-05	6.13E-03
1009	490436.72	3861235.12	5.83E-03	1.16E-05	1.64E-05	2.19E-05	5.88E-03	6.09E-03	1.19E-01	1.49E-03	7.49E-04	1.27E-01	6.07E-03	1.36E-05	1.64E-05	2.19E-05	6.13E-03
1010	490486.72	3861235.12	5.84E-03	1.16E-05	1.64E-05	2.19E-05	5.89E-03	6.09E-03	1.18E-01	1.50E-03	7.48E-04	1.27E-01	6.08E-03	1.36E-05	1.64E-05	2.19E-05	6.13E-03
1011	490536.72	3861235.12	5.87E-03	1.16E-05	1.66E-05	2.19E-05	5.92E-03	6.12E-03	1.18E-01	1.51E-03	7.49E-04	1.27E-01	6.11E-03	1.36E-05	1.66E-05	2.19E-05	6.16E-03
1012	490586.72	3861235.12	5.89E-03	1.15E-05	1.66E-05	2.19E-05	5.94E-03	6.14E-03	1.18E-01	1.52E-03	7.50E-04	1.26E-01	6.13E-03	1.35E-05	1.66E-05	2.19E-05	6.18E-03
1013	490636.72	3861235.12	5.88E-03	1.14E-05	1.66E-05	2.18E-05	5.93E-03	6.13E-03	1.17E-01	1.51E-03	7.47E-04	1.25E-01	6.12E-03	1.34E-05	1.66E-05	2.18E-05	6.17E-03
1014	490686.72	3861235.12	5.90E-03	1.14E-05	1.66E-05	2.18E-05	5.95E-03	6.16E-03	1.16E-01	1.51E-03	7.45E-04	1.25E-01	6.14E-03	1.33E-05	1.66E-05	2.18E-05	6.19E-03
1015	490736.72	3861235.12	5.93E-03	1.13E-05	1.66E-05	2.18E-05	5.98E-03	6.19E-03	1.16E-01	1.51E-03	7.44E-04	1.24E-01	6.17E-03	1.33E-05	1.66E-05	2.18E-05	6.22E-03
1016	490786.72	3861235.12	5.96E-03	1.13E-05	1.66E-05	2.17E-05	6.01E-03	6.22E-03	1.15E-01	1.51E-03	7.44E-04	1.24E-01	6.21E-03	1.32E-05	1.66E-05	2.17E-05	6.26E-03
1017	490836.72	3861235.12	5.99E-03	1.12E-05	1.65E-05	2.17E-05	6.04E-03	6.25E-03	1.14E-01	1.51E-03	7.42E-04	1.23E-01	6.24E-03	1.31E-05	1.65E-05	2.17E-05	6.29E-03
1018	490086.72	3861285.12	5.73E-03	1.12E-05	1.41E-05	2.10E-05	5.77E-03	5.98E-03	1.14E-01	1.28E-03	7.18E-04	1.22E-01	5.96E-03	1.31E-05	1.41E-05	2.10E-05	6.01E-03
1019	490136.72	3861285.12	5.74E-03	1.12E-05	1.45E-05	2.10E-05	5.79E-03	5.99E-03	1.14E-01	1.32E-03	7.17E-04	1.22E-01	5.98E-03	1.31E-05	1.45E-05	2.10E-05	6.03E-03
1020	490186.72	3861285.12	5.74E-03	1.11E-05	1.49E-05	2.09E-05	5.78E-03	5.98E-03	1.14E-01	1.36E-03	7.15E-04	1.22E-01	5.97E-03	1.30E-05	1.49E-05	2.09E-05	6.02E-03
1021	490236.72	3861285.12	5.73E-03	1.11E-05	1.52E-05	2.09E-05	5.78E-03	5.98E-03	1.13E-01	1.38E-03	7.13E-04	1.21E-01	5.97E-03	1.30E-05	1.52E-05	2.09E-05	6.02E-03
1022	490386.72	3861285.12	5.73E-03	1.10E-05	1.59E-05	2.08E-05	5.78E-03	5.98E-03	1.12E-01	1.45E-03	7.10E-04	1.21E-01	5.97E-03	1.29E-05	1.59E-05	2.08E-05	6.02E-03
1023	490436.72	3861285.12	5.74E-03	1.10E-05	1.61E-05	2.08E-05	5.78E-03	5.98E-03	1.12E-01	1.47E-03	7.10E-04	1.20E-01	5.97E-03	1.29E-05	1.61E-05	2.08E-05	6.02E-03
1024	490486.72	3861285.12	5.74E-03	1.09E-05	1.62E-05	2.08E-05	5.78E-03	5.98E-03	1.12E-01	1.48E-03	7.10E-04	1.20E-01	5.97E-03	1.28E-05	1.62E-05	2.08E-05	6.02E-03
1025	490536.72	3861285.12	5.74E-03	1.09E-05	1.63E-05	2.08E-05	5.79E-03	5.99E-03	1.12E-01	1.48E-03	7.10E-04	1.20E-01	5.98E-03	1.28E-05	1.63E-05	2.08E-05	6.03E-03
1026	490586.72	3861285.12	5.76E-03	1.09E-05	1.63E-05	2.08E-05	5.80E-03	6.01E-03	1.11E-01	1.49E-03	7.10E-04	1.19E-01	5.99E-03	1.27E-05	1.63E-05	2.08E-05	6.04E-03
1027	490636.72	3861285.12	5.76E-03	1.08E-05	1.63E-05	2.07E-05	5.80E-03	6.01E-03	1.11E-01	1.49E-03	7.08E-04	1.19E-01	5.99E-03	1.27E-05	1.63E-05	2.07E-05	6.04E-03
1028	490686.72	3861285.12	5.77E-03	1.08E-05	1.64E-05	2.07E-05	5.82E-03	6.02E-03	1.10E-01	1.49E-03	7.08E-04	1.18E-01	6.01E-03	1.26E-05	1.64E-05	2.07E-05	6.06E-03
1029	490736.72	3861285.12	5.80E-03	1.08E-05	1.64E-05	2.07E-05	5.85E-03	6.06E-03	1.10E-01	1.50E-03	7.09E-04	1.18E-01	6.04E-03	1.26E-05	1.64E-05	2.07E-05	6.09E-03
1030	490786.72	3861285.12	5.83E-03	1.07E-05	1.64E-05	2.07E-05	5.88E-03	6.08E-03	1.09E-01	1.49E-03	7.08E-04	1.18E-01	6.07E-03	1.25E-05	1.64E-05	2.07E-05	6.12E-03
1031	490836.72	3861285.12	5.85E-03	1.06E-05	1.63E-05	2.06E-05	5.90E-03	6.10E-03	1.09E-01	1.49E-03	7.06E-04	1.17E-01	6.09E-03	1.25E-05	1.63E-05	2.06E-05	6.14E-03
1032	490061.24	3859716.13	1.09E-02	3.97E-05	3.24E-05	1.62E-04	1.12E-02	1.14E-02	4.06E-01	2.95E-03	5.55E-03	4.26E-01	1.14E-02	4.64E-05	3.24E-05	1.62E-04	1.16E-02
1033	490111.24	3859716.13	1.08E-02	3.89E-05	3.27E-05	1.57E-04	1.11E-02	1.13E-02	3.97E-01	2.98E-03	5.36E-03	4.17E-01	1.13E-02	4.55E-05	3.27E-05	1.57E-04	1.15E-02

1034	490161.24	3859716.13	1.07E-02	3.81E-05	3.30E-05	1.51E-04	1.09E-02	1.12E-02	3.89E-01	3.01E-03	5.18E-03	4.08E-01	1.12E-02	4.45E-05	3.30E-05	1.51E-04	1.14E-02
1035	490211.24	3859716.13	1.06E-02	3.73E-05	3.31E-05	1.47E-04	1.08E-02	1.11E-02	3.82E-01	3.02E-03	5.02E-03	4.01E-01	1.11E-02	4.37E-05	3.31E-05	1.47E-04	1.13E-02
1036	490061.24	3859766.13	1.08E-02	3.96E-05	3.11E-05	1.58E-04	1.10E-02	1.13E-02	4.04E-01	2.84E-03	5.41E-03	4.24E-01	1.12E-02	4.63E-05	3.11E-05	1.58E-04	1.15E-02
1037	490111.24	3859766.13	1.07E-02	3.88E-05	3.15E-05	1.53E-04	1.09E-02	1.12E-02	3.96E-01	2.87E-03	5.22E-03	4.15E-01	1.12E-02	4.54E-05	3.15E-05	1.53E-04	1.14E-02
1038	490161.24	3859766.13	1.06E-02	3.81E-05	3.17E-05	1.48E-04	1.08E-02	1.11E-02	3.89E-01	2.90E-03	5.05E-03	4.08E-01	1.11E-02	4.45E-05	3.17E-05	1.48E-04	1.13E-02
1039	490211.24	3859766.13	1.05E-02	3.73E-05	3.20E-05	1.43E-04	1.07E-02	1.10E-02	3.81E-01	2.92E-03	4.89E-03	4.00E-01	1.10E-02	4.36E-05	3.20E-05	1.43E-04	1.12E-02
1040	490061.24	3859816.13	1.06E-02	3.95E-05	2.99E-05	1.54E-04	1.09E-02	1.11E-02	4.04E-01	2.73E-03	5.26E-03	4.23E-01	1.11E-02	4.63E-05	2.99E-05	1.54E-04	1.13E-02
1041	490111.24	3859816.13	1.06E-02	3.88E-05	3.03E-05	1.49E-04	1.08E-02	1.10E-02	3.97E-01	2.76E-03	5.08E-03	4.15E-01	1.10E-02	4.54E-05	3.03E-05	1.49E-04	1.12E-02
1042	490161.24	3859816.13	1.05E-02	3.80E-05	3.06E-05	1.44E-04	1.07E-02	1.10E-02	3.88E-01	2.79E-03	4.91E-03	4.07E-01	1.09E-02	4.45E-05	3.06E-05	1.44E-04	1.11E-02
1043	490211.24	3859816.13	1.04E-02	3.72E-05	3.09E-05	1.39E-04	1.06E-02	1.09E-02	3.80E-01	2.82E-03	4.75E-03	3.99E-01	1.08E-02	4.35E-05	3.09E-05	1.39E-04	1.11E-02
1044	490061.24	3859866.13	1.05E-02	3.96E-05	2.88E-05	1.49E-04	1.07E-02	1.09E-02	4.05E-01	2.62E-03	5.11E-03	4.24E-01	1.09E-02	4.64E-05	2.88E-05	1.49E-04	1.11E-02
1045	490111.24	3859866.13	1.04E-02	3.88E-05	2.92E-05	1.44E-04	1.06E-02	1.09E-02	3.96E-01	2.66E-03	4.93E-03	4.15E-01	1.09E-02	4.54E-05	2.92E-05	1.44E-04	1.11E-02
1046	490161.24	3859866.13	1.04E-02	3.80E-05	2.95E-05	1.39E-04	1.06E-02	1.08E-02	3.88E-01	2.69E-03	4.76E-03	4.06E-01	1.08E-02	4.44E-05	2.95E-05	1.39E-04	1.10E-02
1047	490211.24	3859866.13	1.03E-02	3.72E-05	2.98E-05	1.35E-04	1.05E-02	1.07E-02	3.80E-01	2.72E-03	4.61E-03	3.98E-01	1.07E-02	4.35E-05	2.98E-05	1.35E-04	1.09E-02
1048	490061.24	3859916.13	1.03E-02	3.97E-05	2.76E-05	1.45E-04	1.05E-02	1.08E-02	4.05E-01	2.52E-03	4.94E-03	4.24E-01	1.07E-02	4.64E-05	2.76E-05	1.45E-04	1.10E-02
1049	490111.24	3859916.13	1.03E-02	3.88E-05	2.81E-05	1.39E-04	1.05E-02	1.07E-02	3.96E-01	2.56E-03	4.77E-03	4.14E-01	1.07E-02	4.54E-05	2.81E-05	1.39E-04	1.09E-02
1050	490161.24	3859916.13	1.02E-02	3.79E-05	2.84E-05	1.35E-04	1.04E-02	1.07E-02	3.88E-01	2.59E-03	4.61E-03	4.06E-01	1.06E-02	4.44E-05	2.84E-05	1.35E-04	1.08E-02
1051	490211.24	3859916.13	1.02E-02	3.71E-05	2.88E-05	1.31E-04	1.03E-02	1.06E-02	3.79E-01	2.63E-03	4.47E-03	3.97E-01	1.06E-02	4.34E-05	2.88E-05	1.31E-04	1.08E-02
1052	490229.25	3859815.26	1.04E-02	3.69E-05	3.10E-05	1.37E-04	1.06E-02	1.08E-02	3.77E-01	2.83E-03	4.70E-03	3.96E-01	1.08E-02	4.32E-05	3.10E-05	1.37E-04	1.10E-02
1053	490279.25	3859815.26	1.03E-02	3.62E-05	3.12E-05	1.33E-04	1.05E-02	1.07E-02	3.69E-01	2.84E-03	4.56E-03	3.88E-01	1.07E-02	4.23E-05	3.12E-05	1.33E-04	1.09E-02
1054	490329.25	3859815.26	1.02E-02	3.54E-05	3.13E-05	1.29E-04	1.04E-02	1.07E-02	3.62E-01	2.85E-03	4.43E-03	3.80E-01	1.06E-02	4.14E-05	3.13E-05	1.29E-04	1.08E-02
1055	490379.25	3859815.26	1.01E-02	3.47E-05	3.15E-05	1.26E-04	1.03E-02	1.06E-02	3.54E-01	2.87E-03	4.30E-03	3.72E-01	1.06E-02	4.05E-05	3.15E-05	1.26E-04	1.08E-02
1056	490429.25	3859815.26	1.01E-02	3.39E-05	3.17E-05	1.22E-04	1.03E-02	1.05E-02	3.47E-01	2.90E-03	4.17E-03	3.64E-01	1.05E-02	3.97E-05	3.17E-05	1.22E-04	1.07E-02
1057	490229.25	3859865.26	1.03E-02	3.69E-05	3.00E-05	1.33E-04	1.05E-02	1.07E-02	3.77E-01	2.73E-03	4.56E-03	3.95E-01	1.07E-02	4.31E-05	3.00E-05	1.33E-04	1.09E-02
1058	490279.25	3859865.26	1.02E-02	3.61E-05	3.01E-05	1.29E-04	1.04E-02	1.06E-02	3.69E-01	2.75E-03	4.42E-03	3.87E-01	1.06E-02	4.22E-05	3.01E-05	1.29E-04	1.08E-02
1059	490329.25	3859865.26	1.01E-02	3.53E-05	3.03E-05	1.26E-04	1.03E-02	1.05E-02	3.61E-01	2.76E-03	4.29E-03	3.79E-01	1.05E-02	4.13E-05	3.03E-05	1.26E-04	1.07E-02
1060	490379.25	3859865.26	1.00E-02	3.46E-05	3.04E-05	1.22E-04	1.02E-02	1.05E-02	3.53E-01	2.78E-03	4.17E-03	3.71E-01	1.04E-02	4.05E-05	3.04E-05	1.22E-04	1.06E-02
1061	490429.25	3859865.26	9.95E-03	3.39E-05	3.06E-05	1.18E-04	1.01E-02	1.04E-02	3.46E-01	2.79E-03	4.05E-03	3.63E-01	1.04E-02	3.96E-05	3.06E-05	1.18E-04	1.05E-02
1062	490229.25	3859915.26	1.01E-02	3.68E-05	2.89E-05	1.29E-04	1.03E-02	1.06E-02	3.76E-01	2.64E-03	4.42E-03	3.94E-01	1.06E-02	4.31E-05	2.89E-05	1.29E-04	1.08E-02
1063	490279.25	3859915.26	1.01E-02	3.60E-05	2.91E-05	1.25E-04	1.02E-02	1.05E-02	3.68E-01	2.66E-03	4.29E-03	3.86E-01	1.05E-02	4.22E-05	2.91E-05	1.25E-04	1.07E-02
1064	490329.25	3859915.26	9.98E-03	3.53E-05	2.93E-05	1.22E-04	1.02E-02	1.04E-02	3.60E-01	2.68E-03	4.16E-03	3.77E-01	1.04E-02	4.12E-05	2.93E-05	1.22E-04	1.06E-02
1065	490379.25	3859915.26	9.90E-03	3.45E-05	2.95E-05	1.18E-04	1.01E-02	1.03E-02	3.52E-01	2.69E-03	4.04E-03	3.70E-01	1.03E-02	4.04E-05	2.95E-05	1.18E-04	1.05E-02
1066	490429.25	3859915.26	9.82E-03	3.38E-05	2.96E-05	1.15E-04	1.00E-02	1.02E-02	3.45E-01	2.70E-03	3.93E-03	3.62E-01	1.02E-02	3.95E-05	2.96E-05	1.15E-04	1.04E-02
1067	490451.43	3859872.59	9.90E-03	3.35E-05	3.05E-05	1.17E-04	1.01E-02	1.03E-02	3.43E-01	2.78E-03	3.99E-03	3.60E-01	1.03E-02	3.92E-05	3.05E-05	1.17E-04	1.05E-02
1068	490501.43	3859872.59	9.84E-03	3.28E-05	3.07E-05	1.13E-04	1.00E-02	1.03E-02	3.35E-01	2.80E-03	3.87E-03	3.52E-01	1.02E-02	3.84E-05	3.07E-05	1.13E-04	1.04E-02
1069	490551.43	3859872.59	9.81E-03	3.21E-05	3.10E-05	1.10E-04	9.98E-03	1.02E-02	3.28E-01	2.83E-03	3.76E-03	3.45E-01	1.02E-02	3.75E-05	3.10E-05	1.10E-04	1.04E-02
1070	490601.43	3859872.59	9.78E-03	3.13E-05	3.13E-05	1.07E-04	9.95E-03	1.02E-02	3.20E-01	2.86E-03	3.66E-03	3.37E-01	1.02E-02	3.67E-05	3.13E-05	1.07E-04	1.04E-02
1071	490451.43	3859922.59	9.77E-03	3.34E-05	2.95E-05	1.13E-04	9.95E-03	1.02E-02	3.41E-01	2.69E-03	3.87E-03	3.58E-01	1.02E-02	3.91E-05	2.95E-05	1.13E-04	1.04E-02
1072	490501.43	3859922.59	9.70E-03	3.27E-05	2.97E-05	1.10E-04	9.88E-03	1.01E-02	3.34E-01	2.71E-03	3.76E-03	3.51E-01	1.01E-02	3.83E-05	2.97E-05	1.10E-04	1.03E-02
1073	490551.43	3859922.59	9.66E-03	3.20E-05	2.99E-05	1.07E-04	9.83E-03	1.01E-02	3.27E-01	2.72E-03	3.65E-03	3.43E-01	1.01E-02	3.74E-05	2.99E-05	1.07E-04	1.02E-02
1074	490601.43	3859922.59	9.63E-03	3.13E-05	3.01E-05	1.04E-04	9.79E-03	1.00E-02	3.20E-01	2.75E-03	3.55E-03	3.36E-01	1.00E-02	3.66E-05	3.01E-05	1.04E-04	1.02E-02
1075	482129.67	3852241.07	6.17E-03	1.00E-06	5.34E-06	9.52E-06	6.18E-03	6.44E-03	1.03E-02	4.87E-04	3.25E-04	1.75E-02	6.42E-03	1.17E-06	5.34E-06	9.52E-06	6.44E-03
1076	482029.67	3852291.07	6.07E-03	1.05E-06	5.38E-06	9.41E-06	6.09E-03	6.34E-03	1.07E-02	4.91E-04	3.22E-04	1.78E-02	6.33E-03	1.22E-06	5.38E-06	9.41E-06	6.34E-03
1077	482079.67	3852291.07	6.19E-03	1.04E-06	5.38E-06	9.49E-06	6.20E-03	6.45E-03	1.06E-02	4.91E-04	3.25E-04	1.79E-02	6.44E-03	1.22E-06	5.38E-06	9.49E-06	6.46E-03
1078	482129.67	3852291.07	6.26E-03	1.03E-06	5.38E-06	9.60E-06	6.28E-03	6.53E-03	1.05E-02	4.91E-04	3.28E-04	1.79E-02	6.52E-03	1.21E-06	5.38E-06	9.60E-06	6.53E-03
1079	482179.67	3852291.07	6.30E-03	1.01E-06	5.38E-06	9.69E-06	6.31E-03	6.57E-03	1.04E-02	4.91E-04	3.31E-04	1.78E-02	6.56E-03	1.19E-06	5.38E-06	9.69E-06	6.57E-03
1080	482229.67	3852291.07	6.30E-03	9.91E-07	5.40E-06	9.80E-06	6.32E-03	6.58E-03	1.01E-02	4.93E-04	3.35E-04	1.75E-02	6.56E-03	1.16E-06	5.40E-06	9.80E-06	6.58E-03
1081	482029.67	3852341.07	6.02E-03	1.07E-06	5.42E-06	9.49E-06	6.04E-03	6.28E-03	1.10E-02	4.94E-04	3.25E-04	1.81E-02	6.27E-03	1.26E-06	5.42E-06	9.49E-06	6.29E-03
1082	482079.67	3852341.07	6.20E-03	1.07E-06	5.42E-06	9.58E-06	6.21E-03	6.47E-03	1.09E-02	4.94E-04	3.28E-04	1.82E-02	6.45E-03	1.25E-06	5.42E-06	9.58E-06	6.47E-03
1083	482129.67	3852341.07	6.31E-03	1.06E-06	5.42E-06	9.67E-06	6.32E-03	6.58E-03	1.08E-02	4.94E-04	3.31E-04	1.82E-02	6.57E-03	1.24E-06	5.42E-06	9.67E-06	6.59E-03
1084	482179.67	3852341.07	6.39E-03	1.05E-06	5.42E-06	9.77E-06	6.40E-03	6.66E-03	1.07E-02	4.94E-04	3.34E-04	1.82E-02	6.65E-03	1.23E-06	5.42E-06	9.77E-06	6.67E-03
1085	482259.06	3852400.14	6.52E-03	1.09E-06	5.49E-06	1.00E-05	6.54E-03	6.80E-03	1.12E-02	5.00E-04	3.43E-04	1.88E-02	6.79E-03	1.28E-06	5.49E-06	1.00E-05	6.81E-03
1086	482309.06	3852400.14	6.57E-03	1.06E-06	5.49E-06	1.01E-05	6.59E-03	6.86E-03	1.08E-02	5.00E-04	3.47E-04	1.85E-02	6.84E-03	1.24E-06	5.49E-06	1.01E-05	6.86E-03
1087	482209.06	3852450.14	6.50E-03	1.13E-06	5.53E-06	1.00E-05	6.52E-03	6.79E-03	1.15E-02	5.04E-04	3.43E-04	1.92E-02	6.77E-03	1.32E-06	5.53E-06	1.00E-05	6.79E-03
1088	482259.06	3852450.14	6.60E-03	1.12E-06	5.53E-06	1.01E-05	6.61E-03	6.88E-03	1.15E-02	5.04E-04	3.47E-04	1.92E-02	6.87E-03	1.31E-06	5.53E-06	1.01E-05	6.89E-03
1089	482309.06	3852450.14	6.68E-03	1.10E-06	5.53E-06	1.02E-05	6.70E-03	6.97E-03	1.12E-02	5.04E-04	3.50E-04	1.90E-02	6.95E-03	1.28E-06	5.53E-06	1.02E-05	6.97E-03
1090	482209.06	3852500.14	6.50E-03	1.16E-06	5.59E-06	1.01E-05	6.51E-03	6.78E-03	1.18E-02	5.10E-04	3.47E-04	1.94E-02	6.77E-03	1.35E-06	5.59E-06	1.01E-05	6.78E-03
1091	482259.06	3852500.14	6.65E-03	1.15E-06	5.57E-06	1.02E-05	6.66E-03	6.94E-03	1.17E-02	5.08E-04	3.50E-04	1.95E-02	6.92E-03	1.34E-06	5.57E-06	1.02E-05	6.94E-03
1092	482309.06	3852500.14	6.75E-03	1.13E-06	5.57E-06	1.04E-05	6.77E-03	7.04E-03	1.16E-02	5.08E-04	3.54E-04	1.95E-02	7.03E-03	1.33E-06	5.57E-06	1.04E-05	7.05E-03
1093	482283.91	3852513.62	6.71E-03	1.15E-06	5.59E-06	1.03E-05	6.73E-03	7.00E-03	1.18E-02	5.10E-04	3.53E-04	1.96E-02	6.99E-03	1.35E-06	5.59E-06	1.03E-05	7.01E-03
1094	482333.91	3852513.62	6.80E-03	1.14E-06	5.59E-06	1.04E-05	6.82E-03	7.10E-03	1.16E-02	5.10E-04	3.57E-04	1.96E-02	7.09E-03	1.33E-06	5.59E-06	1.04E-05	7.10E-03

1095	482283.91	3852563.62	6.72E-03	1.19E-06	5.63E-06	1.05E-05	6.74E-03	7.01E-03	1.21E-02	5.14E-04	3.58E-04	2.00E-02	7.00E-03	1.39E-06	5.63E-06	1.05E-05	7.01E-03
1096	482333.91	3852563.62	6.85E-03	1.18E-06	5.63E-06	1.06E-05	6.87E-03	7.15E-03	1.21E-02	5.14E-04	3.61E-04	2.01E-02	7.13E-03	1.38E-06	5.63E-06	1.06E-05	7.15E-03
1097	482383.91	3852563.62	6.93E-03	1.17E-06	5.63E-06	1.07E-05	6.95E-03	7.23E-03	1.20E-02	5.14E-04	3.64E-04	2.01E-02	7.22E-03	1.37E-06	5.63E-06	1.07E-05	7.24E-03
1098	482283.91	3852613.62	6.67E-03	1.21E-06	5.70E-06	1.06E-05	6.68E-03	6.96E-03	1.23E-02	5.20E-04	3.61E-04	2.02E-02	6.94E-03	1.41E-06	5.70E-06	1.06E-05	6.96E-03
1099	482333.91	3852613.62	6.87E-03	1.21E-06	5.70E-06	1.07E-05	6.89E-03	7.17E-03	1.24E-02	5.20E-04	3.65E-04	2.04E-02	7.16E-03	1.42E-06	5.70E-06	1.07E-05	7.17E-03
1100	482383.91	3852613.62	6.99E-03	1.21E-06	5.70E-06	1.08E-05	7.01E-03	7.29E-03	1.24E-02	5.20E-04	3.69E-04	2.06E-02	7.28E-03	1.42E-06	5.70E-06	1.08E-05	7.30E-03
1101	482602.38	3852600.87	7.09E-03	1.11E-06	5.70E-06	1.11E-05	7.11E-03	7.40E-03	1.14E-02	5.20E-04	3.78E-04	1.97E-02	7.38E-03	1.30E-06	5.70E-06	1.11E-05	7.40E-03
1102	482652.38	3852600.87	7.03E-03	1.10E-06	5.72E-06	1.11E-05	7.05E-03	7.33E-03	1.12E-02	5.22E-04	3.80E-04	1.95E-02	7.32E-03	1.28E-06	5.72E-06	1.11E-05	7.34E-03
1103	482702.38	3852600.87	6.97E-03	1.05E-06	5.76E-06	1.12E-05	6.99E-03	7.27E-03	1.07E-02	5.25E-04	3.82E-04	1.89E-02	7.26E-03	1.23E-06	5.76E-06	1.12E-05	7.27E-03
1104	482552.38	3852650.87	7.28E-03	1.18E-06	5.72E-06	1.12E-05	7.30E-03	7.60E-03	1.20E-02	5.22E-04	3.81E-04	2.05E-02	7.58E-03	1.38E-06	5.72E-06	1.12E-05	7.60E-03
1105	482602.38	3852650.87	7.28E-03	1.16E-06	5.74E-06	1.12E-05	7.30E-03	7.59E-03	1.19E-02	5.24E-04	3.83E-04	2.04E-02	7.58E-03	1.36E-06	5.74E-06	1.12E-05	7.60E-03
1106	482652.38	3852650.87	7.24E-03	1.15E-06	5.74E-06	1.13E-05	7.25E-03	7.55E-03	1.17E-02	5.24E-04	3.85E-04	2.02E-02	7.54E-03	1.34E-06	5.74E-06	1.13E-05	7.55E-03
1107	482702.38	3852650.87	7.17E-03	1.13E-06	5.78E-06	1.13E-05	7.19E-03	7.48E-03	1.16E-02	5.27E-04	3.86E-04	2.00E-02	7.47E-03	1.33E-06	5.78E-06	1.13E-05	7.49E-03
1108	482552.38	3852700.87	7.41E-03	1.22E-06	5.76E-06	1.13E-05	7.43E-03	7.73E-03	1.25E-02	5.25E-04	3.87E-04	2.11E-02	7.71E-03	1.43E-06	5.76E-06	1.13E-05	7.73E-03
1109	482602.38	3852700.87	7.43E-03	1.21E-06	5.78E-06	1.14E-05	7.45E-03	7.75E-03	1.24E-02	5.27E-04	3.89E-04	2.10E-02	7.74E-03	1.42E-06	5.78E-06	1.14E-05	7.75E-03
1110	482652.38	3852700.87	7.39E-03	1.22E-06	5.80E-06	1.14E-05	7.41E-03	7.71E-03	1.24E-02	5.29E-04	3.89E-04	2.11E-02	7.70E-03	1.42E-06	5.80E-06	1.14E-05	7.72E-03
1111	482702.38	3852700.87	7.37E-03	1.20E-06	5.80E-06	1.14E-05	7.39E-03	7.69E-03	1.22E-02	5.29E-04	3.91E-04	2.08E-02	7.67E-03	1.40E-06	5.80E-06	1.14E-05	7.69E-03
1112	482452.38	3852750.87	7.26E-03	1.28E-06	5.83E-06	1.13E-05	7.28E-03	7.58E-03	1.31E-02	5.31E-04	3.87E-04	2.16E-02	7.56E-03	1.50E-06	5.83E-06	1.13E-05	7.58E-03
1113	482521.29	3852749.74	7.45E-03	1.27E-06	5.80E-06	1.14E-05	7.47E-03	7.77E-03	1.30E-02	5.29E-04	3.91E-04	2.17E-02	7.76E-03	1.49E-06	5.80E-06	1.14E-05	7.77E-03
1114	482571.29	3852749.74	7.52E-03	1.26E-06	5.83E-06	1.15E-05	7.54E-03	7.85E-03	1.29E-02	5.31E-04	3.92E-04	2.16E-02	7.83E-03	1.47E-06	5.83E-06	1.15E-05	7.85E-03
1115	482521.29	3852799.74	7.49E-03	1.31E-06	5.87E-06	1.16E-05	7.51E-03	7.81E-03	1.34E-02	5.35E-04	3.97E-04	2.21E-02	7.80E-03	1.53E-06	5.87E-06	1.16E-05	7.82E-03
1116	482571.29	3852799.74	7.60E-03	1.30E-06	5.87E-06	1.17E-05	7.62E-03	7.93E-03	1.33E-02	5.35E-04	3.99E-04	2.22E-02	7.92E-03	1.52E-06	5.87E-06	1.17E-05	7.94E-03
1117	482621.29	3852799.74	7.68E-03	1.29E-06	5.87E-06	1.17E-05	7.70E-03	8.02E-03	1.32E-02	5.35E-04	4.01E-04	2.21E-02	8.00E-03	1.51E-06	5.87E-06	1.17E-05	8.02E-03
1118	482571.29	3852849.74	7.66E-03	1.33E-06	5.93E-06	1.18E-05	7.68E-03	7.99E-03	1.36E-02	5.41E-04	4.05E-04	2.26E-02	7.98E-03	1.56E-06	5.93E-06	1.18E-05	8.00E-03
1119	482621.29	3852849.74	7.79E-03	1.32E-06	5.91E-06	1.19E-05	7.81E-03	8.13E-03	1.35E-02	5.39E-04	4.07E-04	2.26E-02	8.11E-03	1.55E-06	5.91E-06	1.19E-05	8.13E-03
1120	482577.42	3852901.55	7.71E-03	1.36E-06	5.97E-06	1.21E-05	7.73E-03	8.04E-03	1.39E-02	5.45E-04	4.12E-04	2.29E-02	8.03E-03	1.60E-06	5.97E-06	1.21E-05	8.04E-03
1121	482627.42	3852901.55	7.88E-03	1.35E-06	5.97E-06	1.21E-05	7.90E-03	8.23E-03	1.38E-02	5.45E-04	4.14E-04	2.30E-02	8.21E-03	1.58E-06	5.97E-06	1.21E-05	8.23E-03
1122	482629.96	3852955.85	7.91E-03	1.39E-06	6.02E-06	1.23E-05	7.93E-03	8.26E-03	1.42E-02	5.49E-04	4.22E-04	2.34E-02	8.24E-03	1.62E-06	6.02E-06	1.23E-05	8.26E-03
1123	482679.96	3852955.85	8.09E-03	1.37E-06	6.02E-06	1.24E-05	8.11E-03	8.44E-03	1.40E-02	5.49E-04	4.23E-04	2.34E-02	8.42E-03	1.61E-06	6.02E-06	1.24E-05	8.44E-03
1124	482781.63	3853034.48	8.50E-03	1.39E-06	6.10E-06	1.28E-05	8.52E-03	8.87E-03	1.42E-02	5.57E-04	4.37E-04	2.41E-02	8.85E-03	1.63E-06	6.10E-06	1.28E-05	8.87E-03
1125	482831.63	3853034.48	8.62E-03	1.37E-06	6.10E-06	1.28E-05	8.64E-03	9.00E-03	1.40E-02	5.57E-04	4.37E-04	2.40E-02	8.98E-03	1.60E-06	6.10E-06	1.28E-05	9.00E-03
1126	482881.63	3853034.48	8.69E-03	1.35E-06	6.10E-06	1.28E-05	8.71E-03	9.07E-03	1.38E-02	5.57E-04	4.37E-04	2.39E-02	9.05E-03	1.58E-06	6.10E-06	1.28E-05	9.07E-03
1127	482781.63	3853084.48	8.55E-03	1.43E-06	6.14E-06	1.30E-05	8.57E-03	8.92E-03	1.47E-02	5.60E-04	4.46E-04	2.46E-02	8.90E-03	1.68E-06	6.14E-06	1.30E-05	8.92E-03
1128	482831.63	3853084.48	8.72E-03	1.41E-06	6.14E-06	1.30E-05	8.74E-03	9.10E-03	1.44E-02	5.60E-04	4.45E-04	2.45E-02	9.08E-03	1.65E-06	6.14E-06	1.30E-05	9.10E-03
1129	482881.63	3853084.48	8.84E-03	1.39E-06	6.14E-06	1.30E-05	8.87E-03	9.23E-03	1.42E-02	5.60E-04	4.45E-04	2.45E-02	9.21E-03	1.63E-06	6.14E-06	1.30E-05	9.23E-03
1130	482781.63	3853134.48	8.54E-03	1.48E-06	6.21E-06	1.33E-05	8.56E-03	8.91E-03	1.51E-02	5.66E-04	4.55E-04	2.51E-02	8.90E-03	1.73E-06	6.21E-06	1.33E-05	8.92E-03
1131	482831.63	3853134.48	8.77E-03	1.46E-06	6.21E-06	1.33E-05	8.79E-03	9.15E-03	1.49E-02	5.66E-04	4.54E-04	2.51E-02	9.13E-03	1.71E-06	6.21E-06	1.33E-05	9.15E-03
1132	482881.63	3853134.48	8.94E-03	1.45E-06	6.21E-06	1.33E-05	8.96E-03	9.33E-03	1.48E-02	5.66E-04	4.54E-04	2.51E-02	9.31E-03	1.69E-06	6.21E-06	1.33E-05	9.33E-03
1133	482831.63	3853184.48	8.77E-03	1.51E-06	6.27E-06	1.36E-05	8.79E-03	9.15E-03	1.54E-02	5.72E-04	4.64E-04	2.56E-02	9.13E-03	1.77E-06	6.27E-06	1.36E-05	9.15E-03
1134	482881.63	3853184.48	8.99E-03	1.50E-06	6.27E-06	1.35E-05	9.01E-03	9.38E-03	1.53E-02	5.72E-04	4.63E-04	2.57E-02	9.36E-03	1.75E-06	6.27E-06	1.35E-05	9.38E-03
1135	484154.84	3854250.98	1.83E-02	1.44E-06	7.87E-06	3.95E-05	1.83E-02	1.91E-02	1.47E-02	7.17E-04	1.35E-03	3.58E-02	1.91E-02	1.68E-06	7.87E-06	3.95E-05	1.91E-02
1136	484204.84	3854250.98	1.79E-02	1.44E-06	7.93E-06	3.99E-05	1.80E-02	1.87E-02	1.47E-02	7.23E-04	1.37E-03	3.54E-02	1.86E-02	1.68E-06	7.93E-06	3.99E-05	1.87E-02
1137	484154.84	3854300.98	1.86E-02	1.47E-06	7.91E-06	4.39E-05	1.87E-02	1.94E-02	1.50E-02	7.21E-04	1.50E-03	3.66E-02	1.94E-02	1.72E-06	7.91E-06	4.39E-05	1.94E-02
1138	484204.84	3854300.98	1.84E-02	1.49E-06	7.97E-06	4.43E-05	1.85E-02	1.92E-02	1.52E-02	7.27E-04	1.51E-03	3.67E-02	1.92E-02	1.74E-06	7.97E-06	4.43E-05	1.92E-02
1139	484074.19	3854519.8	1.96E-02	1.98E-06	8.23E-06	7.27E-05	1.97E-02	2.05E-02	2.03E-02	7.50E-04	2.48E-03	4.40E-02	2.04E-02	2.32E-06	8.23E-06	7.27E-05	2.05E-02
1140	484124.19	3854519.8	2.00E-02	1.97E-06	8.23E-06	7.13E-05	2.01E-02	2.08E-02	2.01E-02	7.50E-04	2.44E-03	4.42E-02	2.08E-02	2.31E-06	8.23E-06	7.13E-05	2.09E-02
1141	484074.19	3854569.8	2.01E-02	2.19E-06	8.31E-06	8.12E-05	2.02E-02	2.10E-02	2.24E-02	7.58E-04	2.78E-03	4.69E-02	2.09E-02	2.56E-06	8.31E-06	8.12E-05	2.10E-02
1142	484124.19	3854569.8	2.01E-02	2.16E-06	8.33E-06	7.89E-05	2.02E-02	2.10E-02	2.21E-02	7.60E-04	2.70E-03	4.65E-02	2.10E-02	2.53E-06	8.33E-06	7.89E-05	2.10E-02
1143	485205.11	3855188.89	3.41E-01	6.60E-06	1.05E-05	7.31E-05	3.41E-01	3.56E-01	6.74E-02	9.54E-04	2.50E-03	4.27E-01	3.55E-01	7.72E-06	1.05E-05	7.31E-05	3.55E-01
1144	485255.11	3855188.89	3.03E-01	6.39E-06	1.07E-05	7.38E-05	3.03E-01	3.16E-01	6.53E-02	9.73E-04	2.52E-03	3.85E-01	3.15E-01	7.48E-06	1.07E-05	7.38E-05	3.16E-01
1145	485205.11	3855238.89	4.09E-01	6.90E-06	1.05E-05	7.74E-05	4.09E-01	4.27E-01	7.05E-02	9.58E-04	2.65E-03	5.01E-01	4.26E-01	8.08E-06	1.05E-05	7.74E-05	4.26E-01
1146	485255.11	3855238.89	3.73E-01	6.81E-06	1.07E-05	7.83E-05	3.73E-01	3.89E-01	6.96E-02	9.71E-04	2.68E-03	4.62E-01	3.88E-01	7.97E-06	1.07E-05	7.83E-05	3.89E-01
1147	485205.11	3855288.89	5.46E-01	7.55E-06	1.05E-05	8.23E-05	5.46E-01	5.69E-01	7.72E-02	9.62E-04	2.82E-03	6.50E-01	5.68E-01	8.84E-06	1.05E-05	8.23E-05	5.68E-01
1148	485255.11	3855288.89	4.77E-01	7.43E-06	1.07E-05	8.35E-05	4.78E-01	4.98E-01	7.59E-02	9.71E-04	2.86E-03	5.78E-01	4.97E-01	8.69E-06	1.07E-05	8.35E-05	4.97E-01
1149	485255.11	3855338.89	6.10E-01	8.11E-06	1.07E-05	8.95E-05	6.10E-01	6.36E-01	8.28E-02	9.77E-04	3.06E-03	7.23E-01	6.35E-01	9.48E-06	1.07E-05	8.95E-05	6.35E-01
1150	485305.11	3855338.89	5.31E-01	7.88E-06	1.08E-05	9.07E-05	5.31E-01	5.54E-01	8.05E-02	9.87E-04	3.10E-03	6.38E-01	5.53E-01	9.22E-06	1.08E-05	9.07E-05	5.53E-01
1151	485852.5	3855635.28	4.70E-01	9.73E-06	1.34E-05	1.30E-04	4.70E-01	4.91E-01	9.94E-02	1.23E-03	4.45E-03	5.96E-01	4.90E-01	1.14E-05	1.34E-05	1.30E-04	4.90E-01
1152	485902.5	3855635.28	4.30E-01	9.47E-06	1.39E-05	1.29E-04	4.31E-01	4.49E-01	9.67E-02	1.27E-03	4.41E-03	5.52E-01	4.48E-01	1.11E-05	1.39E-05	1.29E-04	4.48E-01
1153	485852.5	3855685.28	5.23E-01	1.03E-05	1.33E-05	1.39E-04	5.23E-01	5.46E-01	1.05E-01	1.21E-03	4.74E-03	6.57E-01	5.45E-01	1.20E-05	1.33E-05	1.39E-04	5.45E-01
1154	485902.5	3855685.28	4.76E-01	1.00E-05	1.38E-05	1.37E-04	4.76E-01	4.97E-01	1.02E-01	1.26E-03	4.68E-03	6.05E-01	4.96E-01	1.17E-05	1.38E-05	1.37E-04	4.96E-01
1155	485852.5	3855735.28	5.85E-01	1.09E-05	1.32E-05	1.48E-04	5.85E-01	6.10E-01	1.11E-01	1.21E-03	5.05E-03	7.28E-01	6.09E-01	1.27E-05	1.32E-05	1.48E-04	6.09E-01

1156	485902.5	3855735.28	5.34E-01	1.07E-05	1.36E-05	1.46E-04	5.34E-01	5.57E-01	1.09E-01	1.24E-03	4.98E-03	6.72E-01	5.56E-01	1.25E-05	1.36E-05	1.46E-04	5.56E-01
1157	485852.5	3855785.28	6.68E-01	1.16E-05	1.32E-05	1.57E-04	6.68E-01	6.97E-01	1.19E-01	1.21E-03	5.36E-03	8.22E-01	6.95E-01	1.36E-05	1.32E-05	1.57E-04	6.96E-01
1158	485902.5	3855785.28	5.94E-01	1.12E-05	1.35E-05	1.54E-04	5.94E-01	6.20E-01	1.15E-01	1.24E-03	5.28E-03	7.41E-01	6.18E-01	1.31E-05	1.35E-05	1.54E-04	6.19E-01
1159	486809.46	3856465.28	5.29E-01	1.55E-05	2.26E-05	1.09E-04	5.30E-01	5.52E-01	1.59E-01	2.06E-03	3.74E-03	7.17E-01	5.51E-01	1.82E-05	2.26E-05	1.09E-04	5.51E-01
1160	486859.46	3856465.28	5.00E-01	1.54E-05	2.29E-05	1.06E-04	5.00E-01	5.21E-01	1.57E-01	2.09E-03	3.64E-03	6.85E-01	5.20E-01	1.80E-05	2.29E-05	1.06E-04	5.21E-01
1161	486909.46	3856465.28	4.72E-01	1.52E-05	2.33E-05	1.04E-04	4.72E-01	4.93E-01	1.56E-01	2.12E-03	3.55E-03	6.54E-01	4.92E-01	1.78E-05	2.33E-05	1.04E-04	4.92E-01
1162	486809.46	3856515.28	5.77E-01	1.61E-05	2.28E-05	1.06E-04	5.77E-01	6.02E-01	1.65E-01	2.08E-03	3.62E-03	7.73E-01	6.01E-01	1.89E-05	2.28E-05	1.06E-04	6.01E-01
1163	486859.46	3856515.28	5.43E-01	1.60E-05	2.33E-05	1.03E-04	5.43E-01	5.66E-01	1.64E-01	2.12E-03	3.52E-03	7.36E-01	5.65E-01	1.88E-05	2.33E-05	1.03E-04	5.65E-01
1164	486909.46	3856515.28	5.11E-01	1.59E-05	2.37E-05	1.00E-04	5.11E-01	5.33E-01	1.62E-01	2.16E-03	3.43E-03	7.01E-01	5.32E-01	1.86E-05	2.37E-05	1.00E-04	5.32E-01
1165	486980.94	3856357.95	3.82E-01	1.38E-05	2.35E-05	1.05E-04	3.83E-01	3.99E-01	1.41E-01	2.15E-03	3.60E-03	5.46E-01	3.98E-01	1.62E-05	2.35E-05	1.05E-04	3.98E-01
1166	487030.94	3856357.95	3.67E-01	1.37E-05	2.45E-05	1.03E-04	3.67E-01	3.83E-01	1.40E-01	2.23E-03	3.52E-03	5.28E-01	3.82E-01	1.60E-05	2.45E-05	1.03E-04	3.82E-01
1167	486980.94	3856407.95	4.08E-01	1.44E-05	2.37E-05	1.03E-04	4.08E-01	4.25E-01	1.47E-01	2.16E-03	3.53E-03	5.78E-01	4.25E-01	1.69E-05	2.37E-05	1.03E-04	4.25E-01
1168	487030.94	3856407.95	3.90E-01	1.43E-05	2.45E-05	1.01E-04	3.90E-01	4.07E-01	1.46E-01	2.24E-03	3.44E-03	5.58E-01	4.06E-01	1.67E-05	2.45E-05	1.01E-04	4.06E-01
1169	487447.18	3856437.45	2.92E-01	1.36E-05	3.31E-05	8.36E-05	2.92E-01	3.05E-01	1.39E-01	3.02E-03	2.86E-03	4.49E-01	3.04E-01	1.59E-05	3.31E-05	8.36E-05	3.04E-01
1170	487497.18	3856437.45	2.82E-01	1.35E-05	3.51E-05	8.20E-05	2.83E-01	2.95E-01	1.37E-01	3.20E-03	2.81E-03	4.38E-01	2.94E-01	1.57E-05	3.51E-05	8.20E-05	2.94E-01
1171	487547.18	3856437.45	2.73E-01	1.34E-05	3.72E-05	8.05E-05	2.73E-01	2.85E-01	1.37E-01	3.39E-03	2.75E-03	4.28E-01	2.85E-01	1.56E-05	3.72E-05	8.05E-05	2.85E-01
1172	487447.18	3856487.45	3.05E-01	1.40E-05	3.35E-05	8.14E-05	3.05E-01	3.18E-01	1.43E-01	3.06E-03	2.78E-03	4.68E-01	3.18E-01	1.64E-05	3.35E-05	8.14E-05	3.18E-01
1173	487497.18	3856487.45	2.94E-01	1.39E-05	3.54E-05	8.00E-05	2.94E-01	3.07E-01	1.42E-01	3.23E-03	2.73E-03	4.55E-01	3.06E-01	1.63E-05	3.54E-05	8.00E-05	3.07E-01
1174	487547.18	3856487.45	2.85E-01	1.38E-05	3.75E-05	7.85E-05	2.85E-01	2.98E-01	1.41E-01	3.42E-03	2.69E-03	4.45E-01	2.97E-01	1.62E-05	3.75E-05	7.85E-05	2.97E-01
1175	487447.18	3856537.45	3.20E-01	1.45E-05	3.40E-05	7.91E-05	3.20E-01	3.33E-01	1.48E-01	3.10E-03	2.71E-03	4.88E-01	3.33E-01	1.70E-05	3.40E-05	7.91E-05	3.33E-01
1176	487497.18	3856537.45	3.08E-01	1.44E-05	3.58E-05	7.78E-05	3.08E-01	3.21E-01	1.47E-01	3.26E-03	2.66E-03	4.74E-01	3.20E-01	1.68E-05	3.58E-05	7.78E-05	3.20E-01
1177	487547.18	3856537.45	2.96E-01	1.43E-05	3.78E-05	7.64E-05	2.97E-01	3.09E-01	1.46E-01	3.45E-03	2.61E-03	4.61E-01	3.09E-01	1.67E-05	3.78E-05	7.64E-05	3.09E-01
1178	489285.89	3858826.54	1.68E-02	4.84E-05	8.99E-05	1.51E-04	1.70E-02	1.75E-02	4.95E-01	8.20E-03	5.16E-03	5.26E-01	1.75E-02	5.66E-05	8.99E-05	1.51E-04	1.77E-02
1179	489335.89	3858826.54	1.70E-02	4.71E-05	9.27E-05	1.49E-04	1.73E-02	1.77E-02	4.81E-01	8.45E-03	5.10E-03	5.12E-01	1.77E-02	5.51E-05	9.27E-05	1.49E-04	1.80E-02
1180	489385.89	3858826.54	1.71E-02	4.57E-05	9.53E-05	1.47E-04	1.74E-02	1.79E-02	4.67E-01	8.69E-03	5.04E-03	4.99E-01	1.78E-02	5.35E-05	9.53E-05	1.47E-04	1.81E-02
1181	489435.89	3858826.54	1.73E-02	4.45E-05	9.77E-05	1.45E-04	1.75E-02	1.80E-02	4.55E-01	8.91E-03	4.97E-03	4.87E-01	1.80E-02	5.21E-05	9.77E-05	1.45E-04	1.83E-02
1182	489485.89	3858826.54	1.73E-02	4.34E-05	9.97E-05	1.44E-04	1.76E-02	1.81E-02	4.43E-01	9.09E-03	4.91E-03	4.75E-01	1.81E-02	5.07E-05	9.97E-05	1.44E-04	1.83E-02
1183	489535.89	3858826.54	1.74E-02	4.22E-05	1.02E-04	1.42E-04	1.77E-02	1.82E-02	4.32E-01	9.26E-03	4.84E-03	4.64E-01	1.82E-02	4.94E-05	1.02E-04	1.42E-04	1.85E-02
1184	489585.89	3858826.54	1.76E-02	4.12E-05	1.03E-04	1.40E-04	1.78E-02	1.83E-02	4.21E-01	9.40E-03	4.78E-03	4.53E-01	1.83E-02	4.82E-05	1.03E-04	1.40E-04	1.86E-02
1185	489635.89	3858826.54	1.77E-02	4.02E-05	1.04E-04	1.38E-04	1.80E-02	1.84E-02	4.10E-01	9.53E-03	4.72E-03	4.43E-01	1.84E-02	4.70E-05	1.04E-04	1.38E-04	1.87E-02
1186	489685.89	3858826.54	1.78E-02	3.92E-05	1.06E-04	1.36E-04	1.81E-02	1.86E-02	4.00E-01	9.64E-03	4.65E-03	4.33E-01	1.85E-02	4.58E-05	1.06E-04	1.36E-04	1.88E-02
1187	489735.89	3858826.54	1.79E-02	3.82E-05	1.07E-04	1.34E-04	1.82E-02	1.87E-02	3.90E-01	9.73E-03	4.59E-03	4.23E-01	1.87E-02	4.47E-05	1.07E-04	1.34E-04	1.90E-02
1188	489785.89	3858826.54	1.81E-02	3.73E-05	1.08E-04	1.33E-04	1.83E-02	1.88E-02	3.81E-01	9.82E-03	4.53E-03	4.15E-01	1.88E-02	4.37E-05	1.08E-04	1.33E-04	1.91E-02
1189	489835.89	3858826.54	1.82E-02	3.64E-05	1.08E-04	1.31E-04	1.85E-02	1.90E-02	3.72E-01	9.90E-03	4.47E-03	4.05E-01	1.89E-02	4.26E-05	1.08E-04	1.31E-04	1.92E-02
1190	489885.89	3858826.54	1.83E-02	3.56E-05	1.09E-04	1.29E-04	1.86E-02	1.91E-02	3.64E-01	9.97E-03	4.41E-03	3.98E-01	1.91E-02	4.17E-05	1.09E-04	1.29E-04	1.94E-02
1191	489935.89	3858826.54	1.85E-02	3.49E-05	1.10E-04	1.27E-04	1.87E-02	1.93E-02	3.56E-01	1.00E-02	4.35E-03	3.90E-01	1.92E-02	4.08E-05	1.10E-04	1.27E-04	1.95E-02
1192	489985.89	3858826.54	1.86E-02	3.41E-05	1.11E-04	1.26E-04	1.89E-02	1.94E-02	3.48E-01	1.01E-02	4.29E-03	3.82E-01	1.94E-02	3.99E-05	1.11E-04	1.26E-04	1.96E-02
1193	490035.89	3858826.54	1.87E-02	3.33E-05	1.11E-04	1.24E-04	1.90E-02	1.96E-02	3.40E-01	1.01E-02	4.23E-03	3.74E-01	1.95E-02	3.89E-05	1.11E-04	1.24E-04	1.98E-02
1194	489285.89	3858876.54	1.61E-02	5.20E-05	7.89E-05	1.60E-04	1.64E-02	1.68E-02	5.31E-01	7.20E-03	5.47E-03	5.61E-01	1.67E-02	6.09E-05	7.89E-05	1.60E-04	1.70E-02
1195	489335.89	3858876.54	1.64E-02	5.03E-05	8.15E-05	1.58E-04	1.66E-02	1.71E-02	5.14E-01	7.43E-03	5.39E-03	5.44E-01	1.70E-02	5.89E-05	8.15E-05	1.58E-04	1.73E-02
1196	489385.89	3858876.54	1.65E-02	4.88E-05	8.40E-05	1.55E-04	1.68E-02	1.72E-02	4.99E-01	7.66E-03	5.31E-03	5.29E-01	1.72E-02	5.71E-05	8.40E-05	1.55E-04	1.75E-02
1197	489435.89	3858876.54	1.66E-02	4.73E-05	8.63E-05	1.53E-04	1.69E-02	1.73E-02	4.84E-01	7.87E-03	5.24E-03	5.14E-01	1.73E-02	5.54E-05	8.63E-05	1.53E-04	1.76E-02
1198	489485.89	3858876.54	1.67E-02	4.60E-05	8.84E-05	1.51E-04	1.70E-02	1.74E-02	4.69E-01	8.06E-03	5.16E-03	5.00E-01	1.74E-02	5.38E-05	8.84E-05	1.51E-04	1.77E-02
1199	489535.89	3858876.54	1.68E-02	4.46E-05	9.04E-05	1.49E-04	1.71E-02	1.75E-02	4.56E-01	8.24E-03	5.08E-03	4.87E-01	1.75E-02	5.22E-05	9.04E-05	1.49E-04	1.78E-02
1200	489585.89	3858876.54	1.69E-02	4.33E-05	9.21E-05	1.46E-04	1.72E-02	1.76E-02	4.43E-01	8.40E-03	5.00E-03	4.74E-01	1.76E-02	5.07E-05	9.21E-05	1.46E-04	1.79E-02
1201	489635.89	3858876.54	1.70E-02	4.22E-05	9.36E-05	1.44E-04	1.72E-02	1.77E-02	4.31E-01	8.53E-03	4.93E-03	4.62E-01	1.77E-02	4.93E-05	9.36E-05	1.44E-04	1.80E-02
1202	489685.89	3858876.54	1.71E-02	4.10E-05	9.49E-05	1.42E-04	1.74E-02	1.78E-02	4.19E-01	8.65E-03	4.86E-03	4.50E-01	1.78E-02	4.80E-05	9.49E-05	1.42E-04	1.81E-02
1203	489735.89	3858876.54	1.72E-02	3.99E-05	9.60E-05	1.40E-04	1.75E-02	1.79E-02	4.08E-01	8.75E-03	4.79E-03	4.39E-01	1.79E-02	4.67E-05	9.60E-05	1.40E-04	1.82E-02
1204	489785.89	3858876.54	1.73E-02	3.89E-05	9.70E-05	1.38E-04	1.76E-02	1.81E-02	3.98E-01	8.85E-03	4.72E-03	4.29E-01	1.80E-02	4.55E-05	9.70E-05	1.38E-04	1.83E-02
1205	489835.89	3858876.54	1.74E-02	3.79E-05	9.80E-05	1.36E-04	1.77E-02	1.82E-02	3.87E-01	8.93E-03	4.65E-03	4.19E-01	1.81E-02	4.44E-05	9.80E-05	1.36E-04	1.84E-02
1206	489885.89	3858876.54	1.75E-02	3.71E-05	9.89E-05	1.34E-04	1.78E-02	1.83E-02	3.79E-01	9.02E-03	4.58E-03	4.11E-01	1.82E-02	4.34E-05	9.89E-05	1.34E-04	1.85E-02
1207	489935.89	3858876.54	1.77E-02	3.62E-05	9.97E-05	1.32E-04	1.79E-02	1.84E-02	3.69E-01	9.09E-03	4.51E-03	4.01E-01	1.84E-02	4.23E-05	9.97E-05	1.32E-04	1.87E-02
1208	489985.89	3858876.54	1.78E-02	3.52E-05	1.00E-04	1.30E-04	1.81E-02	1.86E-02	3.60E-01	9.16E-03	4.45E-03	3.92E-01	1.85E-02	4.12E-05	1.00E-04	1.30E-04	1.88E-02
1209	490035.89	3858876.54	1.79E-02	3.44E-05	1.01E-04	1.28E-04	1.82E-02	1.87E-02	3.51E-01	9.22E-03	4.38E-03	3.84E-01	1.87E-02	4.02E-05	1.01E-04	1.28E-04	1.89E-02
1210	489285.89	3858926.54	1.52E-02	5.57E-05	6.99E-05	1.69E-04	1.55E-02	1.59E-02	5.69E-01	6.37E-03	5.79E-03	5.97E-01	1.58E-02	6.52E-05	6.99E-05	1.69E-04	1.61E-02
1211	489335.89	3858926.54	1.57E-02	5.37E-05	7.22E-05	1.67E-04	1.60E-02	1.64E-02	5.49E-01	6.59E-03	5.70E-03	5.77E-01	1.63E-02	6.28E-05	7.22E-05	1.67E-04	1.66E-02
1212	489385.89	3858926.54	1.59E-02	5.18E-05	7.46E-05	1.64E-04	1.62E-02	1.66E-02	5.29E-01	6.80E-03	5.60E-03	5.58E-01	1.66E-02	6.06E-05	7.46E-05	1.64E-04	1.69E-02
1213	489435.89	3858926.54	1.60E-02	5.01E-05	7.67E-05	1.61E-04	1.63E-02	1.67E-02	5.12E-01	7.00E-03	5.51E-03	5.41E-01	1.67E-02	5.86E-05	7.67E-05	1.61E-04	1.70E-02
1214	489485.89	3858926.54	1.61E-02	4.84E-05	7.88E-05	1.58E-04	1.64E-02	1.68E-02	4.95E-01	7.19E-03	5.42E-03	5.24E-01	1.68E-02	5.67E-05	7.88E-05	1.58E-04	1.71E-02
1215	489535.89	3858926.54	1.62E-02	4.69E-05	8.07E-05	1.56E-04	1.65E-02	1.69E-02	4.79E-01	7.36E-03	5.33E-03	5.09E-01	1.69E-02	5.49E-05	8.07E-05	1.56E-04	1.72E-02
1216	489585.89	3858926.54	1.63E-02	4.55E-05	8.25E-05	1.53E-04	1.66E-02	1.70E-02	4.65E-01	7.52E-03	5.25E-03	4.94E-01	1.69E-02	5.32E-05	8.25E-05	1.53E-04	1.72E-02

1217	489635.89	3858926.54	1.63E-02	4.41E-05	8.41E-05	1.51E-04	1.66E-02	1.70E-02	4.51E-01	7.67E-03	5.16E-03	4.81E-01	1.70E-02	5.16E-05	8.41E-05	1.51E-04	1.73E-02
1218	489685.89	3858926.54	1.64E-02	4.28E-05	8.55E-05	1.48E-04	1.67E-02	1.71E-02	4.37E-01	7.80E-03	5.08E-03	4.67E-01	1.71E-02	5.01E-05	8.55E-05	1.48E-04	1.74E-02
1219	489735.89	3858926.54	1.65E-02	4.16E-05	8.67E-05	1.46E-04	1.68E-02	1.72E-02	4.25E-01	7.91E-03	5.00E-03	4.55E-01	1.72E-02	4.87E-05	8.67E-05	1.46E-04	1.75E-02
1220	489785.89	3858926.54	1.66E-02	4.05E-05	8.79E-05	1.44E-04	1.69E-02	1.73E-02	4.14E-01	8.01E-03	4.92E-03	4.44E-01	1.73E-02	4.74E-05	8.79E-05	1.44E-04	1.76E-02
1221	489835.89	3858926.54	1.67E-02	3.94E-05	8.88E-05	1.41E-04	1.70E-02	1.74E-02	4.03E-01	8.10E-03	4.84E-03	4.33E-01	1.74E-02	4.61E-05	8.88E-05	1.41E-04	1.77E-02
1222	489885.89	3858926.54	1.68E-02	3.84E-05	8.98E-05	1.39E-04	1.71E-02	1.75E-02	3.93E-01	8.19E-03	4.76E-03	4.23E-01	1.75E-02	4.50E-05	8.98E-05	1.39E-04	1.78E-02
1223	489935.89	3858926.54	1.69E-02	3.74E-05	9.06E-05	1.37E-04	1.72E-02	1.76E-02	3.83E-01	8.26E-03	4.68E-03	4.13E-01	1.76E-02	4.38E-05	9.06E-05	1.37E-04	1.79E-02
1224	489985.89	3858926.54	1.70E-02	3.64E-05	9.13E-05	1.35E-04	1.73E-02	1.78E-02	3.72E-01	8.33E-03	4.61E-03	4.03E-01	1.77E-02	4.26E-05	9.13E-05	1.35E-04	1.80E-02
1225	490035.89	3858926.54	1.72E-02	3.54E-05	9.20E-05	1.33E-04	1.74E-02	1.79E-02	3.61E-01	8.39E-03	4.53E-03	3.92E-01	1.79E-02	4.14E-05	9.20E-05	1.33E-04	1.82E-02
1226	489335.89	3858976.54	1.49E-02	5.69E-05	6.46E-05	1.76E-04	1.52E-02	1.55E-02	5.81E-01	5.89E-03	6.03E-03	6.09E-01	1.55E-02	6.66E-05	6.46E-05	1.76E-04	1.58E-02
1227	489385.89	3858976.54	1.53E-02	5.46E-05	6.67E-05	1.73E-04	1.56E-02	1.60E-02	5.58E-01	6.08E-03	5.91E-03	5.86E-01	1.59E-02	6.39E-05	6.67E-05	1.73E-04	1.62E-02
1228	489435.89	3858976.54	1.55E-02	5.27E-05	6.86E-05	1.70E-04	1.58E-02	1.62E-02	5.39E-01	6.26E-03	5.81E-03	5.67E-01	1.61E-02	6.17E-05	6.86E-05	1.70E-04	1.64E-02
1229	489485.89	3858976.54	1.56E-02	5.08E-05	7.05E-05	1.67E-04	1.59E-02	1.63E-02	5.19E-01	6.43E-03	5.70E-03	5.48E-01	1.62E-02	5.95E-05	7.05E-05	1.67E-04	1.65E-02
1230	489535.89	3858976.54	1.57E-02	4.91E-05	7.24E-05	1.64E-04	1.59E-02	1.63E-02	5.01E-01	6.61E-03	5.60E-03	5.30E-01	1.63E-02	5.74E-05	7.24E-05	1.64E-04	1.66E-02
1231	489585.89	3858976.54	1.57E-02	4.75E-05	7.41E-05	1.61E-04	1.60E-02	1.64E-02	4.85E-01	6.76E-03	5.51E-03	5.14E-01	1.64E-02	5.56E-05	7.41E-05	1.61E-04	1.67E-02
1232	489635.89	3858976.54	1.58E-02	4.60E-05	7.58E-05	1.58E-04	1.60E-02	1.65E-02	4.70E-01	6.91E-03	5.41E-03	4.98E-01	1.64E-02	5.38E-05	7.58E-05	1.58E-04	1.67E-02
1233	489685.89	3858976.54	1.58E-02	4.45E-05	7.73E-05	1.55E-04	1.61E-02	1.65E-02	4.55E-01	7.05E-03	5.31E-03	4.83E-01	1.65E-02	5.21E-05	7.73E-05	1.55E-04	1.68E-02
1234	489735.89	3858976.54	1.59E-02	4.32E-05	7.86E-05	1.53E-04	1.62E-02	1.66E-02	4.41E-01	7.17E-03	5.22E-03	4.70E-01	1.65E-02	5.05E-05	7.86E-05	1.53E-04	1.68E-02
1235	489785.89	3858976.54	1.60E-02	4.20E-05	7.98E-05	1.50E-04	1.62E-02	1.66E-02	4.29E-01	7.28E-03	5.13E-03	4.58E-01	1.66E-02	4.92E-05	7.98E-05	1.50E-04	1.69E-02
1236	489835.89	3858976.54	1.60E-02	4.09E-05	8.09E-05	1.47E-04	1.63E-02	1.67E-02	4.18E-01	7.37E-03	5.04E-03	4.47E-01	1.67E-02	4.78E-05	8.09E-05	1.47E-04	1.70E-02
1237	489885.89	3858976.54	1.61E-02	3.96E-05	8.18E-05	1.45E-04	1.64E-02	1.68E-02	4.05E-01	7.46E-03	4.95E-03	4.34E-01	1.68E-02	4.64E-05	8.18E-05	1.45E-04	1.71E-02
1238	489935.89	3858976.54	1.62E-02	3.85E-05	8.26E-05	1.42E-04	1.65E-02	1.69E-02	3.94E-01	7.53E-03	4.86E-03	4.23E-01	1.69E-02	4.51E-05	8.26E-05	1.42E-04	1.72E-02
1239	489985.89	3858976.54	1.63E-02	3.75E-05	8.34E-05	1.40E-04	1.66E-02	1.70E-02	3.83E-01	7.60E-03	4.78E-03	4.13E-01	1.70E-02	4.39E-05	8.34E-05	1.40E-04	1.73E-02
1240	490035.89	3858976.54	1.65E-02	3.59E-05	8.38E-05	1.37E-04	1.68E-02	1.72E-02	3.67E-01	7.64E-03	4.69E-03	3.97E-01	1.72E-02	4.21E-05	8.38E-05	1.37E-04	1.75E-02
1241	489385.89	3859026.54	1.46E-02	5.73E-05	6.02E-05	1.83E-04	1.49E-02	1.53E-02	5.85E-01	5.49E-03	6.25E-03	6.12E-01	1.52E-02	6.70E-05	6.02E-05	1.83E-04	1.55E-02
1242	489435.89	3859026.54	1.49E-02	5.50E-05	6.20E-05	1.79E-04	1.52E-02	1.56E-02	5.62E-01	5.65E-03	6.13E-03	5.90E-01	1.55E-02	6.44E-05	6.20E-05	1.79E-04	1.58E-02
1243	489485.89	3859026.54	1.51E-02	5.29E-05	6.37E-05	1.76E-04	1.54E-02	1.57E-02	5.41E-01	5.81E-03	6.01E-03	5.68E-01	1.57E-02	6.19E-05	6.37E-05	1.76E-04	1.60E-02
1244	489535.89	3859026.54	1.51E-02	5.10E-05	6.54E-05	1.73E-04	1.54E-02	1.58E-02	5.21E-01	5.96E-03	5.90E-03	5.49E-01	1.58E-02	5.97E-05	6.54E-05	1.73E-04	1.61E-02
1245	489585.89	3859026.54	1.52E-02	4.92E-05	6.70E-05	1.69E-04	1.55E-02	1.59E-02	5.03E-01	6.11E-03	5.79E-03	5.31E-01	1.58E-02	5.76E-05	6.70E-05	1.69E-04	1.61E-02
1246	489635.89	3859026.54	1.53E-02	4.76E-05	6.86E-05	1.66E-04	1.55E-02	1.59E-02	4.86E-01	6.26E-03	5.68E-03	5.14E-01	1.59E-02	5.57E-05	6.86E-05	1.66E-04	1.62E-02
1247	489685.89	3859026.54	1.53E-02	4.61E-05	7.01E-05	1.63E-04	1.56E-02	1.60E-02	4.71E-01	6.39E-03	5.57E-03	4.98E-01	1.59E-02	5.39E-05	7.01E-05	1.63E-04	1.62E-02
1248	489735.89	3859026.54	1.53E-02	4.47E-05	7.14E-05	1.60E-04	1.56E-02	1.60E-02	4.56E-01	6.51E-03	5.46E-03	4.84E-01	1.60E-02	5.23E-05	7.14E-05	1.60E-04	1.63E-02
1249	489785.89	3859026.54	1.54E-02	4.34E-05	7.26E-05	1.57E-04	1.57E-02	1.61E-02	4.43E-01	6.62E-03	5.35E-03	4.71E-01	1.60E-02	5.07E-05	7.26E-05	1.57E-04	1.63E-02
1250	489835.89	3859026.54	1.54E-02	4.20E-05	7.38E-05	1.53E-04	1.57E-02	1.61E-02	4.29E-01	6.73E-03	5.25E-03	4.57E-01	1.61E-02	4.91E-05	7.38E-05	1.53E-04	1.64E-02
1251	489885.89	3859026.54	1.55E-02	4.08E-05	7.48E-05	1.50E-04	1.58E-02	1.62E-02	4.17E-01	6.82E-03	5.15E-03	4.45E-01	1.62E-02	4.77E-05	7.48E-05	1.50E-04	1.64E-02
1252	489935.89	3859026.54	1.56E-02	3.96E-05	7.56E-05	1.48E-04	1.59E-02	1.63E-02	4.04E-01	6.90E-03	5.05E-03	4.32E-01	1.63E-02	4.63E-05	7.56E-05	1.48E-04	1.65E-02
1253	489985.89	3859026.54	1.57E-02	3.84E-05	7.64E-05	1.45E-04	1.60E-02	1.64E-02	3.92E-01	6.96E-03	4.95E-03	4.21E-01	1.64E-02	4.49E-05	7.64E-05	1.45E-04	1.66E-02
1254	490035.89	3859026.54	1.59E-02	3.66E-05	7.67E-05	1.42E-04	1.61E-02	1.66E-02	3.74E-01	6.99E-03	4.85E-03	4.03E-01	1.65E-02	4.28E-05	7.67E-05	1.42E-04	1.68E-02
1255	489485.89	3859076.54	1.46E-02	5.48E-05	5.79E-05	1.86E-04	1.49E-02	1.52E-02	5.60E-01	5.28E-03	6.36E-03	5.86E-01	1.52E-02	6.41E-05	5.79E-05	1.86E-04	1.55E-02
1256	489535.89	3859076.54	1.47E-02	5.27E-05	5.94E-05	1.82E-04	1.50E-02	1.53E-02	5.38E-01	5.42E-03	6.22E-03	5.65E-01	1.53E-02	6.16E-05	5.94E-05	1.82E-04	1.56E-02
1257	489585.89	3859076.54	1.47E-02	5.07E-05	6.10E-05	1.78E-04	1.50E-02	1.54E-02	5.18E-01	5.56E-03	6.09E-03	5.45E-01	1.54E-02	5.93E-05	6.10E-05	1.78E-04	1.56E-02
1258	489635.89	3859076.54	1.48E-02	4.90E-05	6.23E-05	1.74E-04	1.51E-02	1.54E-02	5.01E-01	5.69E-03	5.96E-03	5.28E-01	1.54E-02	5.74E-05	6.23E-05	1.74E-04	1.57E-02
1259	489685.89	3859076.54	1.48E-02	4.75E-05	6.37E-05	1.71E-04	1.51E-02	1.55E-02	4.85E-01	5.81E-03	5.83E-03	5.12E-01	1.54E-02	5.55E-05	6.37E-05	1.71E-04	1.57E-02
1260	489735.89	3859076.54	1.48E-02	4.60E-05	6.50E-05	1.67E-04	1.51E-02	1.55E-02	4.70E-01	5.93E-03	5.71E-03	4.97E-01	1.55E-02	5.38E-05	6.50E-05	1.67E-04	1.57E-02
1261	489785.89	3859076.54	1.49E-02	4.45E-05	6.63E-05	1.63E-04	1.51E-02	1.55E-02	4.55E-01	6.04E-03	5.59E-03	4.82E-01	1.55E-02	5.21E-05	6.63E-05	1.63E-04	1.58E-02
1262	489835.89	3859076.54	1.49E-02	4.31E-05	6.75E-05	1.60E-04	1.52E-02	1.56E-02	4.41E-01	6.15E-03	5.47E-03	4.68E-01	1.55E-02	5.05E-05	6.75E-05	1.60E-04	1.58E-02
1263	489885.89	3859076.54	1.50E-02	4.18E-05	6.85E-05	1.56E-04	1.52E-02	1.56E-02	4.27E-01	6.25E-03	5.35E-03	4.54E-01	1.56E-02	4.89E-05	6.85E-05	1.56E-04	1.59E-02
1264	489935.89	3859076.54	1.50E-02	4.06E-05	6.95E-05	1.53E-04	1.53E-02	1.57E-02	4.14E-01	6.34E-03	5.23E-03	4.42E-01	1.57E-02	4.75E-05	6.95E-05	1.53E-04	1.59E-02
1265	489985.89	3859076.54	1.51E-02	3.93E-05	7.03E-05	1.50E-04	1.54E-02	1.58E-02	4.02E-01	6.41E-03	5.12E-03	4.29E-01	1.58E-02	4.60E-05	7.03E-05	1.50E-04	1.60E-02
1266	490035.89	3859076.54	1.53E-02	3.76E-05	7.07E-05	1.46E-04	1.55E-02	1.59E-02	3.84E-01	6.44E-03	5.00E-03	4.11E-01	1.59E-02	4.39E-05	7.07E-05	1.46E-04	1.62E-02
1267	489585.89	3859126.54	1.43E-02	5.20E-05	5.58E-05	1.87E-04	1.46E-02	1.49E-02	5.32E-01	5.09E-03	6.41E-03	5.58E-01	1.49E-02	6.09E-05	5.58E-05	1.87E-04	1.52E-02
1268	489635.89	3859126.54	1.43E-02	5.03E-05	5.70E-05	1.83E-04	1.46E-02	1.50E-02	5.14E-01	5.20E-03	6.26E-03	5.40E-01	1.49E-02	5.88E-05	5.70E-05	1.83E-04	1.52E-02
1269	489685.89	3859126.54	1.44E-02	4.86E-05	5.82E-05	1.78E-04	1.47E-02	1.50E-02	4.96E-01	5.31E-03	6.10E-03	5.23E-01	1.50E-02	5.68E-05	5.82E-05	1.78E-04	1.53E-02
1270	489735.89	3859126.54	1.44E-02	4.70E-05	5.95E-05	1.74E-04	1.47E-02	1.50E-02	4.80E-01	5.42E-03	5.96E-03	5.06E-01	1.50E-02	5.50E-05	5.95E-05	1.74E-04	1.53E-02
1271	489785.89	3859126.54	1.44E-02	4.55E-05	6.07E-05	1.70E-04	1.47E-02	1.50E-02	4.65E-01	5.53E-03	5.81E-03	4.91E-01	1.50E-02	5.32E-05	6.07E-05	1.70E-04	1.53E-02
1272	489835.89	3859126.54	1.44E-02	4.40E-05	6.19E-05	1.66E-04	1.47E-02	1.51E-02	4.50E-01	5.64E-03	5.67E-03	4.76E-01	1.50E-02	5.15E-05	6.19E-05	1.66E-04	1.53E-02
1273	489885.89	3859126.54	1.45E-02	4.26E-05	6.30E-05	1.62E-04	1.47E-02	1.51E-02	4.35E-01	5.75E-03	5.53E-03	4.62E-01	1.51E-02	4.99E-05	6.30E-05	1.62E-04	1.53E-02
1274	489935.89	3859126.54	1.45E-02	4.14E-05	6.40E-05	1.58E-04	1.48E-02	1.52E-02	4.23E-01	5.84E-03	5.40E-03	4.49E-01	1.51E-02	4.84E-05	6.40E-05	1.58E-04	1.54E-02
1275	489985.89	3859126.54	1.46E-02	3.99E-05	6.47E-05	1.54E-04	1.49E-02	1.52E-02	4.07E-01	5.90E-03	5.27E-03	4.34E-01	1.52E-02	4.66E-05	6.47E-05	1.54E-04	1.55E-02
1276	490035.89	3859126.54	1.47E-02	3.84E-05	6.53E-05	1.50E-04	1.50E-02	1.53E-02	3.93E-01	5.96E-03	5.14E-03	4.19E-01	1.53E-02	4.50E-05	6.53E-05	1.50E-04	1.56E-02
1277	489585.89	3859176.54	1.39E-02	5.29E-05	5.15E-05	1.96E-04	1.42E-02	1.45E-02	5.41E-01	4.69E-03	6.72E-03	5.67E-01	1.45E-02	6.19E-05	5.15E-05	1.96E-04	1.48E-02

1278	489635.89	3859176.54	1.40E-02	5.11E-05	5.25E-05	1.91E-04	1.43E-02	1.46E-02	5.22E-01	4.79E-03	6.53E-03	5.48E-01	1.45E-02	5.98E-05	5.25E-05	1.91E-04	1.48E-02
1279	489685.89	3859176.54	1.40E-02	4.95E-05	5.36E-05	1.86E-04	1.43E-02	1.46E-02	5.05E-01	4.88E-03	6.36E-03	5.31E-01	1.45E-02	5.79E-05	5.36E-05	1.86E-04	1.48E-02
1280	489735.89	3859176.54	1.40E-02	4.79E-05	5.46E-05	1.81E-04	1.43E-02	1.46E-02	4.89E-01	4.98E-03	6.19E-03	5.15E-01	1.46E-02	5.60E-05	5.46E-05	1.81E-04	1.48E-02
1281	489785.89	3859176.54	1.40E-02	4.63E-05	5.58E-05	1.76E-04	1.43E-02	1.46E-02	4.73E-01	5.09E-03	6.02E-03	4.98E-01	1.46E-02	5.41E-05	5.58E-05	1.76E-04	1.49E-02
1282	489835.89	3859176.54	1.40E-02	4.48E-05	5.69E-05	1.71E-04	1.43E-02	1.46E-02	4.57E-01	5.19E-03	5.86E-03	4.83E-01	1.46E-02	5.24E-05	5.69E-05	1.71E-04	1.49E-02
1283	489885.89	3859176.54	1.40E-02	4.33E-05	5.80E-05	1.67E-04	1.43E-02	1.47E-02	4.43E-01	5.29E-03	5.70E-03	4.68E-01	1.46E-02	5.07E-05	5.80E-05	1.67E-04	1.49E-02
1284	489935.89	3859176.54	1.41E-02	4.20E-05	5.90E-05	1.62E-04	1.43E-02	1.47E-02	4.29E-01	5.38E-03	5.55E-03	4.55E-01	1.47E-02	4.92E-05	5.90E-05	1.62E-04	1.49E-02
1285	489985.89	3859176.54	1.41E-02	4.05E-05	5.99E-05	1.58E-04	1.44E-02	1.47E-02	4.14E-01	5.47E-03	5.40E-03	4.39E-01	1.47E-02	4.74E-05	5.99E-05	1.58E-04	1.50E-02
1286	490035.89	3859176.54	1.42E-02	3.94E-05	6.07E-05	1.54E-04	1.44E-02	1.48E-02	4.02E-01	5.54E-03	5.27E-03	4.28E-01	1.48E-02	4.60E-05	6.07E-05	1.54E-04	1.50E-02
1287	489685.89	3859226.54	1.36E-02	4.99E-05	4.97E-05	1.92E-04	1.39E-02	1.42E-02	5.10E-01	4.53E-03	6.58E-03	5.35E-01	1.42E-02	5.84E-05	4.97E-05	1.92E-04	1.45E-02
1288	489735.89	3859226.54	1.36E-02	4.84E-05	5.06E-05	1.87E-04	1.39E-02	1.42E-02	4.94E-01	4.61E-03	6.39E-03	5.20E-01	1.42E-02	5.66E-05	5.06E-05	1.87E-04	1.45E-02
1289	489785.89	3859226.54	1.36E-02	4.68E-05	5.15E-05	1.81E-04	1.39E-02	1.42E-02	4.78E-01	4.70E-03	6.20E-03	5.03E-01	1.42E-02	5.48E-05	5.15E-05	1.81E-04	1.45E-02
1290	489835.89	3859226.54	1.36E-02	4.52E-05	5.26E-05	1.76E-04	1.39E-02	1.42E-02	4.62E-01	4.80E-03	6.02E-03	4.87E-01	1.42E-02	5.29E-05	5.26E-05	1.76E-04	1.45E-02
1291	489885.89	3859226.54	1.36E-02	4.38E-05	5.36E-05	1.71E-04	1.39E-02	1.42E-02	4.47E-01	4.89E-03	5.84E-03	4.72E-01	1.42E-02	5.12E-05	5.36E-05	1.71E-04	1.45E-02
1292	489935.89	3859226.54	1.37E-02	4.24E-05	5.47E-05	1.66E-04	1.39E-02	1.43E-02	4.33E-01	4.99E-03	5.68E-03	4.58E-01	1.42E-02	4.96E-05	5.47E-05	1.66E-04	1.45E-02
1293	489985.89	3859226.54	1.37E-02	4.08E-05	5.55E-05	1.61E-04	1.40E-02	1.43E-02	4.17E-01	5.06E-03	5.52E-03	4.42E-01	1.43E-02	4.77E-05	5.55E-05	1.61E-04	1.45E-02
1294	490035.89	3859226.54	1.37E-02	3.97E-05	5.64E-05	1.57E-04	1.40E-02	1.43E-02	4.06E-01	5.14E-03	5.37E-03	4.31E-01	1.43E-02	4.65E-05	5.64E-05	1.57E-04	1.46E-02
1295	489735.89	3859276.54	1.33E-02	4.86E-05	4.72E-05	1.92E-04	1.36E-02	1.39E-02	4.97E-01	4.30E-03	6.56E-03	5.21E-01	1.39E-02	5.69E-05	4.72E-05	1.92E-04	1.41E-02
1296	489785.89	3859276.54	1.33E-02	4.71E-05	4.80E-05	1.86E-04	1.36E-02	1.39E-02	4.81E-01	4.37E-03	6.35E-03	5.06E-01	1.38E-02	5.51E-05	4.80E-05	1.86E-04	1.41E-02
1297	489835.89	3859276.54	1.33E-02	4.55E-05	4.89E-05	1.80E-04	1.36E-02	1.39E-02	4.65E-01	4.46E-03	6.15E-03	4.89E-01	1.38E-02	5.32E-05	4.89E-05	1.80E-04	1.41E-02
1298	489885.89	3859276.54	1.33E-02	4.41E-05	4.98E-05	1.75E-04	1.36E-02	1.39E-02	4.51E-01	4.54E-03	5.97E-03	4.75E-01	1.38E-02	5.16E-05	4.98E-05	1.75E-04	1.41E-02
1299	489935.89	3859276.54	1.33E-02	4.27E-05	5.08E-05	1.69E-04	1.36E-02	1.39E-02	4.36E-01	4.63E-03	5.79E-03	4.60E-01	1.38E-02	4.99E-05	5.08E-05	1.69E-04	1.41E-02
1300	489985.89	3859276.54	1.33E-02	4.09E-05	5.16E-05	1.64E-04	1.36E-02	1.39E-02	4.18E-01	4.71E-03	5.62E-03	4.43E-01	1.39E-02	4.79E-05	5.16E-05	1.64E-04	1.41E-02
1301	490035.89	3859276.54	1.33E-02	4.01E-05	5.25E-05	1.60E-04	1.36E-02	1.39E-02	4.09E-01	4.79E-03	5.47E-03	4.34E-01	1.39E-02	4.69E-05	5.25E-05	1.60E-04	1.41E-02
1302	490458.06	3859590.74	1.13E-02	3.33E-05	3.98E-05	1.31E-04	1.15E-02	1.18E-02	3.40E-01	3.63E-03	4.49E-03	3.60E-01	1.17E-02	3.90E-05	3.98E-05	1.31E-04	1.19E-02
1303	490508.06	3859590.74	1.13E-02	3.25E-05	4.05E-05	1.28E-04	1.15E-02	1.18E-02	3.32E-01	3.69E-03	4.37E-03	3.52E-01	1.18E-02	3.80E-05	4.05E-05	1.28E-04	1.20E-02
1304	490558.06	3859590.74	1.13E-02	3.17E-05	4.12E-05	1.24E-04	1.15E-02	1.18E-02	3.24E-01	3.75E-03	4.25E-03	3.44E-01	1.18E-02	3.71E-05	4.12E-05	1.24E-04	1.20E-02
1305	490608.06	3859590.74	1.14E-02	3.09E-05	4.16E-05	1.21E-04	1.16E-02	1.19E-02	3.15E-01	3.79E-03	4.14E-03	3.35E-01	1.18E-02	3.61E-05	4.16E-05	1.21E-04	1.20E-02
1306	490658.06	3859590.74	1.14E-02	3.00E-05	4.17E-05	1.18E-04	1.16E-02	1.19E-02	3.07E-01	3.81E-03	4.04E-03	3.26E-01	1.19E-02	3.51E-05	4.17E-05	1.18E-04	1.21E-02
1307	490708.06	3859590.74	1.14E-02	2.92E-05	4.19E-05	1.15E-04	1.16E-02	1.19E-02	2.98E-01	3.82E-03	3.94E-03	3.18E-01	1.19E-02	3.41E-05	4.19E-05	1.15E-04	1.21E-02
1308	490758.06	3859590.74	1.15E-02	2.83E-05	4.21E-05	1.13E-04	1.17E-02	1.20E-02	2.89E-01	3.84E-03	3.85E-03	3.09E-01	1.20E-02	3.31E-05	4.21E-05	1.13E-04	1.22E-02
1309	490808.06	3859590.74	1.15E-02	2.75E-05	4.24E-05	1.10E-04	1.17E-02	1.20E-02	2.81E-01	3.87E-03	3.77E-03	3.01E-01	1.20E-02	3.22E-05	4.24E-05	1.10E-04	1.22E-02
1310	490858.06	3859590.74	1.16E-02	2.67E-05	4.26E-05	1.08E-04	1.18E-02	1.21E-02	2.73E-01	3.89E-03	3.69E-03	2.93E-01	1.21E-02	3.13E-05	4.26E-05	1.08E-04	1.23E-02
1311	490458.06	3859640.74	1.10E-02	3.34E-05	3.75E-05	1.30E-04	1.12E-02	1.14E-02	3.42E-01	3.42E-03	4.43E-03	3.61E-01	1.14E-02	3.91E-05	3.75E-05	1.30E-04	1.16E-02
1312	490508.06	3859640.74	1.10E-02	3.27E-05	3.81E-05	1.26E-04	1.12E-02	1.15E-02	3.34E-01	3.48E-03	4.31E-03	3.53E-01	1.14E-02	3.82E-05	3.81E-05	1.26E-04	1.16E-02
1313	490558.06	3859640.74	1.10E-02	3.19E-05	3.88E-05	1.23E-04	1.12E-02	1.15E-02	3.26E-01	3.53E-03	4.19E-03	3.45E-01	1.15E-02	3.73E-05	3.88E-05	1.23E-04	1.17E-02
1314	490608.06	3859640.74	1.10E-02	3.10E-05	3.95E-05	1.19E-04	1.12E-02	1.15E-02	3.17E-01	3.60E-03	4.08E-03	3.36E-01	1.15E-02	3.63E-05	3.95E-05	1.19E-04	1.17E-02
1315	490658.06	3859640.74	1.11E-02	3.02E-05	3.99E-05	1.16E-04	1.13E-02	1.16E-02	3.08E-01	3.64E-03	3.97E-03	3.28E-01	1.15E-02	3.53E-05	3.99E-05	1.16E-04	1.17E-02
1316	490708.06	3859640.74	1.11E-02	2.94E-05	4.01E-05	1.13E-04	1.13E-02	1.16E-02	3.00E-01	3.65E-03	3.87E-03	3.19E-01	1.16E-02	3.44E-05	4.01E-05	1.13E-04	1.18E-02
1317	490758.06	3859640.74	1.12E-02	2.85E-05	4.02E-05	1.11E-04	1.13E-02	1.16E-02	2.91E-01	3.67E-03	3.78E-03	3.10E-01	1.16E-02	3.34E-05	4.02E-05	1.11E-04	1.18E-02
1318	490808.06	3859640.74	1.12E-02	2.78E-05	4.05E-05	1.08E-04	1.14E-02	1.17E-02	2.84E-01	3.69E-03	3.70E-03	3.03E-01	1.17E-02	3.25E-05	4.05E-05	1.08E-04	1.18E-02
1319	490858.06	3859640.74	1.12E-02	2.71E-05	4.08E-05	1.06E-04	1.14E-02	1.17E-02	2.77E-01	3.72E-03	3.62E-03	2.96E-01	1.17E-02	3.18E-05	4.08E-05	1.06E-04	1.19E-02
1320	490608.06	3859690.74	1.07E-02	3.12E-05	3.74E-05	1.17E-04	1.09E-02	1.12E-02	3.18E-01	3.41E-03	4.00E-03	3.37E-01	1.12E-02	3.65E-05	3.74E-05	1.17E-04	1.14E-02
1321	490658.06	3859690.74	1.08E-02	3.03E-05	3.81E-05	1.14E-04	1.10E-02	1.12E-02	3.10E-01	3.47E-03	3.89E-03	3.28E-01	1.12E-02	3.55E-05	3.81E-05	1.14E-04	1.14E-02
1322	490708.06	3859690.74	1.08E-02	2.95E-05	3.83E-05	1.11E-04	1.10E-02	1.13E-02	3.02E-01	3.50E-03	3.80E-03	3.20E-01	1.13E-02	3.45E-05	3.83E-05	1.11E-04	1.14E-02
1323	490758.06	3859690.74	1.08E-02	2.87E-05	3.85E-05	1.08E-04	1.10E-02	1.13E-02	2.93E-01	3.51E-03	3.70E-03	3.12E-01	1.13E-02	3.36E-05	3.85E-05	1.08E-04	1.15E-02
1324	490808.06	3859690.74	1.09E-02	2.80E-05	3.87E-05	1.06E-04	1.10E-02	1.13E-02	2.86E-01	3.53E-03	3.62E-03	3.04E-01	1.13E-02	3.27E-05	3.87E-05	1.06E-04	1.15E-02
1325	490858.06	3859690.74	1.09E-02	2.74E-05	3.90E-05	1.04E-04	1.11E-02	1.14E-02	2.80E-01	3.56E-03	3.54E-03	2.99E-01	1.13E-02	3.21E-05	3.90E-05	1.04E-04	1.15E-02
1326	490708.06	3859740.74	1.05E-02	2.97E-05	3.67E-05	1.08E-04	1.07E-02	1.10E-02	3.03E-01	3.34E-03	3.71E-03	3.21E-01	1.10E-02	3.47E-05	3.67E-05	1.08E-04	1.11E-02
1327	490758.06	3859740.74	1.05E-02	2.91E-05	3.70E-05	1.06E-04	1.07E-02	1.10E-02	2.97E-01	3.38E-03	3.62E-03	3.15E-01	1.10E-02	3.40E-05	3.70E-05	1.06E-04	1.11E-02
1328	490808.06	3859740.74	1.06E-02	2.84E-05	3.73E-05	1.03E-04	1.07E-02	1.10E-02	2.90E-01	3.40E-03	3.54E-03	3.08E-01	1.10E-02	3.32E-05	3.73E-05	1.03E-04	1.12E-02
1329	490858.06	3859740.74	1.06E-02	2.77E-05	3.75E-05	1.01E-04	1.07E-02	1.10E-02	2.83E-01	3.42E-03	3.46E-03	3.01E-01	1.10E-02	3.25E-05	3.75E-05	1.01E-04	1.12E-02
1330	490786.56	3859749.39	1.05E-02	2.87E-05	3.69E-05	1.04E-04	1.07E-02	1.10E-02	2.93E-01	3.37E-03	3.56E-03	3.11E-01	1.09E-02	3.36E-05	3.69E-05	1.04E-04	1.11E-02
1331	490836.56	3859749.39	1.05E-02	2.80E-05	3.72E-05	1.02E-04	1.07E-02	1.10E-02	2.86E-01	3.39E-03	3.48E-03	3.04E-01	1.10E-02	3.28E-05	3.72E-05	1.02E-04	1.11E-02
1332	490786.56	3859799.39	1.02E-02	2.89E-05	3.51E-05	1.01E-04	1.04E-02	1.07E-02	2.95E-01	3.20E-03	3.47E-03	3.12E-01	1.06E-02	3.38E-05	3.51E-05	1.01E-04	1.08E-02
1333	490836.56	3859799.39	1.02E-02	2.82E-05	3.56E-05	9.90E-05	1.04E-02	1.07E-02	2.88E-01	3.24E-03	3.39E-03	3.05E-01	1.07E-02	3.30E-05	3.56E-05	9.90E-05	1.08E-02
1334	492307.84	3854508.36	2.41E-02	2.59E-06	3.92E-05	3.87E-05	2.42E-02	2.52E-02	2.65E-02	3.57E-03	1.32E-03	5.65E-02	2.51E-02	3.03E-06	3.92E-05	3.87E-05	2.52E-02
1335	486445.7	3854753.6	3.42E-02	2.80E-06	1.77E-05	5.64E-05	3.43E-02	3.57E-02	2.86E-02	1.62E-03	1.93E-03	6.78E-02	3.56E-02	3.28E-06	1.77E-05	5.64E-05	3.57E-02
1336	472599.75	3877830.11	5.03E-04	2.32E-07	2.25E-06	2.22E-06	5.08E-04	5.25E-04	2.38E-03	2.06E-04	7.58E-05	3.18E-03	5.24E-04	2.72E-07	2.25E-06	2.22E-06	5.29E-04
1337	493107.48	3866840.19	1.60E-03	6.90E-07	5.19E-06	6.18E-06	1.62E-03	1.67E-03	7.05E-03	4.73E-04	2.11E-04	9.41E-03	1.67E-03	8.08E-07	5.19E-06	6.18E-06	1.68E-03
1338	495815.79	3861662.87	5.26E-03	4.97E-06	1.60E-05	1.52E-05	5.29E-03	5.49E-03	5.08E-02	1.46E-03	5.21E-04	5.83E-02	5.48E-03	5.82E-06	1.60E-05	1.52E-05	5.51E-03

1339	480272.33	3841389.2	1.76E-04	5.48E-08	2.74E-06	3.04E-06	1.81E-04	1.83E-04	5.60E-04	2.50E-04	1.04E-04	1.10E-03	1.83E-04	6.42E-08	2.74E-06	3.04E-06	1.89E-04
1340	497005.18	3862813.64	3.62E-03	3.11E-06	1.22E-05	9.47E-06	3.64E-03	3.77E-03	3.18E-02	1.11E-03	3.24E-04	3.70E-02	3.77E-03	3.64E-06	1.22E-05	9.47E-06	3.79E-03
1341	493677.33	3860302.55	9.20E-03	1.10E-05	3.35E-05	3.70E-05	9.28E-03	9.60E-03	1.12E-01	3.06E-03	1.27E-03	1.26E-01	9.58E-03	1.28E-05	3.35E-05	3.70E-05	9.66E-03
1342	493727.33	3860302.55	9.19E-03	1.08E-05	3.37E-05	3.68E-05	9.28E-03	9.59E-03	1.11E-01	3.07E-03	1.26E-03	1.25E-01	9.57E-03	1.27E-05	3.37E-05	3.68E-05	9.66E-03
1343	493777.33	3860302.55	9.19E-03	1.07E-05	3.37E-05	3.66E-05	9.27E-03	9.59E-03	1.10E-01	3.08E-03	1.25E-03	1.23E-01	9.57E-03	1.25E-05	3.37E-05	3.66E-05	9.65E-03
1344	493827.33	3860302.55	9.19E-03	1.06E-05	3.38E-05	3.63E-05	9.27E-03	9.59E-03	1.08E-01	3.08E-03	1.24E-03	1.22E-01	9.57E-03	1.24E-05	3.38E-05	3.63E-05	9.65E-03
1345	493877.33	3860302.55	9.17E-03	1.05E-05	3.39E-05	3.61E-05	9.26E-03	9.57E-03	1.07E-01	3.09E-03	1.24E-03	1.21E-01	9.55E-03	1.23E-05	3.39E-05	3.61E-05	9.64E-03
1346	493927.33	3860302.55	9.16E-03	1.04E-05	3.41E-05	3.59E-05	9.24E-03	9.55E-03	1.06E-01	3.11E-03	1.23E-03	1.20E-01	9.54E-03	1.22E-05	3.41E-05	3.59E-05	9.62E-03
1347	493977.33	3860302.55	9.16E-03	1.02E-05	3.40E-05	3.56E-05	9.24E-03	9.56E-03	1.05E-01	3.10E-03	1.22E-03	1.19E-01	9.54E-03	1.20E-05	3.40E-05	3.56E-05	9.62E-03
1348	494027.33	3860302.55	9.15E-03	1.01E-05	3.40E-05	3.54E-05	9.23E-03	9.55E-03	1.03E-01	3.10E-03	1.21E-03	1.17E-01	9.53E-03	1.18E-05	3.40E-05	3.54E-05	9.61E-03
1349	493677.33	3860352.55	9.00E-03	1.08E-05	3.24E-05	3.61E-05	9.07E-03	9.39E-03	1.11E-01	2.96E-03	1.23E-03	1.24E-01	9.37E-03	1.27E-05	3.24E-05	3.61E-05	9.45E-03
1350	493727.33	3860352.55	8.99E-03	1.07E-05	3.26E-05	3.59E-05	9.07E-03	9.38E-03	1.09E-01	2.97E-03	1.23E-03	1.23E-01	9.37E-03	1.25E-05	3.26E-05	3.59E-05	9.45E-03
1351	493777.33	3860352.55	8.99E-03	1.06E-05	3.28E-05	3.57E-05	9.07E-03	9.38E-03	1.08E-01	2.99E-03	1.22E-03	1.22E-01	9.36E-03	1.24E-05	3.28E-05	3.57E-05	9.44E-03
1352	493827.33	3860352.55	8.99E-03	1.05E-05	3.29E-05	3.55E-05	9.06E-03	9.38E-03	1.07E-01	3.00E-03	1.21E-03	1.21E-01	9.36E-03	1.23E-05	3.29E-05	3.55E-05	9.44E-03
1353	493877.33	3860352.55	8.99E-03	1.04E-05	3.31E-05	3.52E-05	9.06E-03	9.38E-03	1.06E-01	3.02E-03	1.21E-03	1.20E-01	9.36E-03	1.22E-05	3.31E-05	3.52E-05	9.44E-03
1354	493927.33	3860352.55	8.99E-03	1.03E-05	3.31E-05	3.50E-05	9.07E-03	9.38E-03	1.05E-01	3.02E-03	1.20E-03	1.18E-01	9.36E-03	1.20E-05	3.31E-05	3.50E-05	9.44E-03
1355	493977.33	3860352.55	8.99E-03	1.01E-05	3.30E-05	3.48E-05	9.07E-03	9.38E-03	1.04E-01	3.01E-03	1.19E-03	1.17E-01	9.37E-03	1.19E-05	3.30E-05	3.48E-05	9.44E-03
1356	494027.33	3860352.55	8.98E-03	1.00E-05	3.31E-05	3.46E-05	9.06E-03	9.37E-03	1.02E-01	3.02E-03	1.18E-03	1.16E-01	9.35E-03	1.17E-05	3.31E-05	3.46E-05	9.43E-03
1357	493677.33	3860402.55	8.78E-03	1.07E-05	3.09E-05	3.52E-05	8.85E-03	9.16E-03	1.09E-01	2.82E-03	1.20E-03	1.22E-01	9.14E-03	1.25E-05	3.09E-05	3.52E-05	9.22E-03
1358	493727.33	3860402.55	8.78E-03	1.06E-05	3.11E-05	3.50E-05	8.86E-03	9.16E-03	1.08E-01	2.83E-03	1.20E-03	1.21E-01	9.14E-03	1.24E-05	3.11E-05	3.50E-05	9.22E-03
1359	493777.33	3860402.55	8.80E-03	1.05E-05	3.15E-05	3.47E-05	8.88E-03	9.18E-03	1.07E-01	2.87E-03	1.19E-03	1.20E-01	9.17E-03	1.22E-05	3.15E-05	3.47E-05	9.24E-03
1360	493827.33	3860402.55	8.79E-03	1.04E-05	3.16E-05	3.46E-05	8.87E-03	9.17E-03	1.06E-01	2.88E-03	1.18E-03	1.19E-01	9.16E-03	1.21E-05	3.16E-05	3.46E-05	9.23E-03
1361	493877.33	3860402.55	8.79E-03	1.03E-05	3.17E-05	3.44E-05	8.87E-03	9.17E-03	1.05E-01	2.89E-03	1.18E-03	1.18E-01	9.15E-03	1.20E-05	3.17E-05	3.44E-05	9.23E-03
1362	493927.33	3860402.55	8.80E-03	1.01E-05	3.21E-05	3.41E-05	8.88E-03	9.19E-03	1.04E-01	2.93E-03	1.17E-03	1.17E-01	9.17E-03	1.19E-05	3.21E-05	3.41E-05	9.25E-03
1363	493977.33	3860402.55	8.82E-03	1.00E-05	3.22E-05	3.39E-05	8.90E-03	9.20E-03	1.02E-01	2.93E-03	1.16E-03	1.16E-01	9.18E-03	1.17E-05	3.22E-05	3.39E-05	9.26E-03
1364	494027.33	3860402.55	8.81E-03	9.92E-06	3.23E-05	3.37E-05	8.88E-03	9.19E-03	1.01E-01	2.95E-03	1.15E-03	1.15E-01	9.17E-03	1.16E-05	3.23E-05	3.37E-05	9.25E-03
1365	493677.33	3860452.55	8.57E-03	1.05E-05	2.96E-05	3.43E-05	8.64E-03	8.94E-03	1.08E-01	2.70E-03	1.17E-03	1.20E-01	8.92E-03	1.23E-05	2.96E-05	3.43E-05	9.00E-03
1366	493727.33	3860452.55	8.56E-03	1.04E-05	2.96E-05	3.42E-05	8.64E-03	8.93E-03	1.07E-01	2.70E-03	1.17E-03	1.19E-01	8.92E-03	1.22E-05	2.96E-05	3.42E-05	8.99E-03
1367	493777.33	3860452.55	8.57E-03	1.03E-05	2.98E-05	3.40E-05	8.64E-03	8.94E-03	1.06E-01	2.71E-03	1.16E-03	1.18E-01	8.92E-03	1.21E-05	2.98E-05	3.40E-05	9.00E-03
1368	493827.33	3860452.55	8.59E-03	1.02E-05	3.01E-05	3.37E-05	8.66E-03	8.96E-03	1.04E-01	2.75E-03	1.15E-03	1.17E-01	8.95E-03	1.20E-05	3.01E-05	3.37E-05	9.02E-03
1369	493877.33	3860452.55	8.60E-03	1.01E-05	3.04E-05	3.35E-05	8.68E-03	8.98E-03	1.03E-01	2.77E-03	1.15E-03	1.16E-01	8.96E-03	1.18E-05	3.04E-05	3.35E-05	9.04E-03
1370	493927.33	3860452.55	8.63E-03	9.99E-06	3.09E-05	3.32E-05	8.70E-03	9.01E-03	1.02E-01	2.82E-03	1.14E-03	1.15E-01	8.99E-03	1.17E-05	3.09E-05	3.32E-05	9.06E-03
1371	493977.33	3860452.55	8.63E-03	9.89E-06	3.11E-05	3.31E-05	8.70E-03	9.00E-03	1.01E-01	2.83E-03	1.13E-03	1.14E-01	8.99E-03	1.16E-05	3.11E-05	3.31E-05	9.06E-03
1372	494027.33	3860452.55	8.62E-03	9.80E-06	3.12E-05	3.29E-05	8.70E-03	9.00E-03	1.00E-01	2.85E-03	1.13E-03	1.13E-01	8.98E-03	1.15E-05	3.12E-05	3.29E-05	9.06E-03
1373	493677.33	3860502.55	8.35E-03	1.04E-05	2.83E-05	3.33E-05	8.42E-03	8.71E-03	1.06E-01	2.58E-03	1.14E-03	1.18E-01	8.70E-03	1.21E-05	2.83E-05	3.33E-05	8.77E-03
1374	493727.33	3860502.55	8.35E-03	1.03E-05	2.83E-05	3.32E-05	8.43E-03	8.72E-03	1.05E-01	2.58E-03	1.14E-03	1.17E-01	8.70E-03	1.20E-05	2.83E-05	3.32E-05	8.77E-03
1375	493777.33	3860502.55	8.37E-03	1.02E-05	2.85E-05	3.31E-05	8.44E-03	8.73E-03	1.04E-01	2.60E-03	1.13E-03	1.16E-01	8.71E-03	1.19E-05	2.85E-05	3.31E-05	8.79E-03
1376	493827.33	3860502.55	8.38E-03	1.01E-05	2.87E-05	3.29E-05	8.45E-03	8.75E-03	1.03E-01	2.62E-03	1.13E-03	1.15E-01	8.73E-03	1.18E-05	2.87E-05	3.29E-05	8.80E-03
1377	493877.33	3860502.55	8.40E-03	9.96E-06	2.90E-05	3.27E-05	8.48E-03	8.77E-03	1.02E-01	2.65E-03	1.12E-03	1.14E-01	8.75E-03	1.17E-05	2.90E-05	3.27E-05	8.83E-03
1378	493927.33	3860502.55	8.43E-03	9.85E-06	2.94E-05	3.24E-05	8.50E-03	8.80E-03	1.01E-01	2.69E-03	1.11E-03	1.13E-01	8.78E-03	1.15E-05	2.94E-05	3.24E-05	8.85E-03
1379	493977.33	3860502.55	8.43E-03	9.76E-06	2.96E-05	3.23E-05	8.50E-03	8.80E-03	9.97E-02	2.70E-03	1.11E-03	1.12E-01	8.78E-03	1.14E-05	2.96E-05	3.23E-05	8.85E-03
1380	494027.33	3860502.55	8.44E-03	9.67E-06	2.98E-05	3.21E-05	8.51E-03	8.80E-03	9.88E-02	2.72E-03	1.10E-03	1.11E-01	8.78E-03	1.13E-05	2.98E-05	3.21E-05	8.86E-03
1381	493627.33	3860552.55	8.11E-03	1.03E-05	2.69E-05	3.26E-05	8.18E-03	8.46E-03	1.05E-01	2.45E-03	1.12E-03	1.17E-01	8.44E-03	1.20E-05	2.69E-05	3.26E-05	8.51E-03
1382	493677.33	3860552.55	8.12E-03	1.02E-05	2.70E-05	3.25E-05	8.19E-03	8.47E-03	1.04E-01	2.46E-03	1.11E-03	1.16E-01	8.46E-03	1.19E-05	2.70E-05	3.25E-05	8.53E-03
1383	493727.33	3860552.55	8.13E-03	1.01E-05	2.71E-05	3.24E-05	8.20E-03	8.48E-03	1.03E-01	2.47E-03	1.11E-03	1.15E-01	8.47E-03	1.18E-05	2.71E-05	3.24E-05	8.54E-03
1384	493777.33	3860552.55	8.15E-03	1.00E-05	2.73E-05	3.22E-05	8.22E-03	8.51E-03	1.02E-01	2.49E-03	1.10E-03	1.14E-01	8.49E-03	1.17E-05	2.73E-05	3.22E-05	8.56E-03
1385	493827.33	3860552.55	8.18E-03	9.90E-06	2.76E-05	3.20E-05	8.25E-03	8.54E-03	1.01E-01	2.51E-03	1.10E-03	1.13E-01	8.52E-03	1.16E-05	2.76E-05	3.20E-05	8.59E-03
1386	493877.33	3860552.55	8.19E-03	9.81E-06	2.77E-05	3.19E-05	8.26E-03	8.55E-03	1.00E-01	2.53E-03	1.09E-03	1.12E-01	8.53E-03	1.15E-05	2.77E-05	3.19E-05	8.60E-03
1387	493927.33	3860552.55	8.22E-03	9.71E-06	2.80E-05	3.17E-05	8.29E-03	8.57E-03	9.93E-02	2.55E-03	1.08E-03	1.11E-01	8.56E-03	1.14E-05	2.80E-05	3.17E-05	8.63E-03
1388	493977.33	3860552.55	8.24E-03	9.62E-06	2.83E-05	3.15E-05	8.31E-03	8.60E-03	9.82E-02	2.58E-03	1.08E-03	1.11E-01	8.58E-03	1.13E-05	2.83E-05	3.15E-05	8.65E-03
1389	494027.33	3860552.55	8.25E-03	9.53E-06	2.85E-05	3.14E-05	8.32E-03	8.60E-03	9.74E-02	2.60E-03	1.07E-03	1.10E-01	8.59E-03	1.11E-05	2.85E-05	3.14E-05	8.66E-03
1390	493627.33	3860602.55	7.88E-03	1.01E-05	2.58E-05	3.17E-05	7.95E-03	8.23E-03	1.03E-01	2.35E-03	1.08E-03	1.15E-01	8.21E-03	1.18E-05	2.58E-05	3.17E-05	8.28E-03
1391	493727.33	3860602.55	7.90E-03	9.93E-06	2.59E-05	3.16E-05	7.97E-03	8.24E-03	1.02E-01	2.36E-03	1.08E-03	1.13E-01	8.23E-03	1.16E-05	2.59E-05	3.16E-05	8.30E-03
1392	493777.33	3860602.55	7.94E-03	9.84E-06	2.62E-05	3.14E-05	8.01E-03	8.29E-03	1.01E-01	2.39E-03	1.07E-03	1.12E-01	8.27E-03	1.15E-05	2.62E-05	3.14E-05	8.34E-03
1393	493827.33	3860602.55	7.97E-03	9.75E-06	2.63E-05	3.12E-05	8.03E-03	8.31E-03	9.96E-02	2.40E-03	1.07E-03	1.11E-01	8.30E-03	1.14E-05	2.63E-05	3.12E-05	8.37E-03
1394	493877.33	3860602.55	8.00E-03	9.65E-06	2.66E-05	3.10E-05	8.07E-03	8.35E-03	9.86E-02	2.43E-03	1.06E-03	1.10E-01	8.33E-03	1.13E-05	2.66E-05	3.10E-05	8.40E-03
1395	493927.33	3860602.55	8.02E-03	9.56E-06	2.69E-05	3.09E-05	8.09E-03	8.37E-03	9.77E-02	2.45E-03	1.06E-03	1.10E-01	8.36E-03	1.12E-05	2.69E-05	3.09E-05	8.43E-03
1396	493977.33	3860602.55	8.05E-03	9.47E-06	2.71E-05	3.07E-05	8.11E-03	8.40E-03	9.67E-02	2.47E-03	1.05E-03	1.09E-01	8.38E-03	1.11E-05	2.71E-05	3.07E-05	8.45E-03
1397	494027.33	3860602.55	8.05E-03	9.39E-06	2.72E-05	3.06E-05	8.12E-03	8.40E-03	9.59E-02	2.48E-03	1.05E-03	1.08E-01	8.38E-03	1.10E-05	2.72E-05	3.06E-05	8.45E-03
1398	493627.33	3860652.55	7.66E-03	9.94E-06	2.48E-05	3.09E-05	7.72E-03	7.99E-03	1.02E-01	2.26E-03	1.06E-03	1.13E-01	7.97E-03	1.16E-05	2.48E-05	3.09E-05	8.04E-03
1399	493727.33	3860652.55	7.68E-03	9.76E-06	2.49E-05	3.07E-05	7.75E-03	8.02E-03	9.97E-02	2.27E-03	1.05E-03	1.11E-01	8.00E-03	1.14E-05	2.49E-05	3.07E-05	8.07E-03

1400	493777.33	3860652.55	7.72E-03	9.67E-06	2.51E-05	3.06E-05	7.79E-03	8.06E-03	9.88E-02	2.29E-03	1.05E-03	1.10E-01	8.04E-03	1.13E-05	2.51E-05	3.06E-05	8.11E-03
1401	493827.33	3860652.55	7.76E-03	9.58E-06	2.53E-05	3.04E-05	7.82E-03	8.10E-03	9.78E-02	2.31E-03	1.04E-03	1.09E-01	8.08E-03	1.12E-05	2.53E-05	3.04E-05	8.15E-03
1402	493877.33	3860652.55	7.80E-03	9.49E-06	2.56E-05	3.02E-05	7.86E-03	8.14E-03	9.69E-02	2.33E-03	1.03E-03	1.08E-01	8.12E-03	1.11E-05	2.56E-05	3.02E-05	8.19E-03
1403	493927.33	3860652.55	7.82E-03	9.40E-06	2.57E-05	3.01E-05	7.89E-03	8.16E-03	9.60E-02	2.35E-03	1.03E-03	1.08E-01	8.15E-03	1.10E-05	2.57E-05	3.01E-05	8.21E-03
1404	493977.33	3860652.55	7.84E-03	9.32E-06	2.59E-05	2.99E-05	7.91E-03	8.18E-03	9.52E-02	2.36E-03	1.02E-03	1.07E-01	8.17E-03	1.09E-05	2.59E-05	2.99E-05	8.23E-03
1405	494027.33	3860652.55	7.87E-03	9.23E-06	2.62E-05	2.98E-05	7.94E-03	8.21E-03	9.43E-02	2.39E-03	1.02E-03	1.06E-01	8.20E-03	1.08E-05	2.62E-05	2.98E-05	8.26E-03
1406	494311.06	3858401.99	1.06E-02	4.82E-06	9.70E-05	4.83E-05	1.08E-02	1.11E-02	4.93E-02	8.85E-03	1.65E-03	7.09E-02	1.11E-02	5.64E-06	9.70E-05	4.83E-05	1.12E-02
1407	494361.06	3858401.99	1.05E-02	4.74E-06	9.56E-05	4.78E-05	1.06E-02	1.09E-02	4.85E-02	8.71E-03	1.64E-03	6.97E-02	1.09E-02	5.55E-06	9.56E-05	4.78E-05	1.10E-02
1408	494411.06	3858401.99	1.03E-02	4.69E-06	9.45E-05	4.75E-05	1.05E-02	1.08E-02	4.79E-02	8.62E-03	1.62E-03	6.89E-02	1.08E-02	5.48E-06	9.45E-05	4.75E-05	1.09E-02
1409	494461.06	3858401.99	1.03E-02	4.66E-06	9.38E-05	4.72E-05	1.05E-02	1.08E-02	4.76E-02	8.56E-03	1.62E-03	6.85E-02	1.07E-02	5.45E-06	9.38E-05	4.72E-05	1.09E-02
1410	494511.06	3858401.99	1.02E-02	4.60E-06	9.27E-05	4.69E-05	1.03E-02	1.06E-02	4.70E-02	8.46E-03	1.60E-03	6.76E-02	1.06E-02	5.38E-06	9.27E-05	4.69E-05	1.07E-02
1411	494561.06	3858401.99	1.01E-02	4.56E-06	9.21E-05	4.66E-05	1.03E-02	1.06E-02	4.66E-02	8.40E-03	1.59E-03	6.72E-02	1.05E-02	5.34E-06	9.21E-05	4.66E-05	1.07E-02
1412	494611.06	3858401.99	1.00E-02	4.50E-06	9.09E-05	4.63E-05	1.01E-02	1.04E-02	4.60E-02	8.29E-03	1.58E-03	6.63E-02	1.04E-02	5.27E-06	9.09E-05	4.63E-05	1.06E-02
1413	494661.06	3858401.99	9.88E-03	4.45E-06	9.00E-05	4.59E-05	1.00E-02	1.03E-02	4.55E-02	8.21E-03	1.57E-03	6.56E-02	1.03E-02	5.21E-06	9.00E-05	4.59E-05	1.04E-02
1414	494711.06	3858401.99	9.71E-03	4.38E-06	8.87E-05	4.56E-05	9.85E-03	1.01E-02	4.47E-02	8.09E-03	1.56E-03	6.45E-02	1.01E-02	5.12E-06	8.87E-05	4.56E-05	1.02E-02
1415	494761.06	3858401.99	9.63E-03	4.34E-06	8.79E-05	4.53E-05	9.77E-03	1.00E-02	4.43E-02	8.02E-03	1.55E-03	6.39E-02	1.00E-02	5.07E-06	8.79E-05	4.53E-05	1.02E-02
1416	494811.06	3858401.99	9.50E-03	4.28E-06	8.69E-05	4.49E-05	9.64E-03	9.91E-03	4.37E-02	7.93E-03	1.54E-03	6.31E-02	9.89E-03	5.01E-06	8.69E-05	4.49E-05	1.00E-02
1417	494861.06	3858401.99	9.39E-03	4.23E-06	8.61E-05	4.46E-05	9.53E-03	9.80E-03	4.32E-02	7.85E-03	1.53E-03	6.24E-02	9.78E-03	4.95E-06	8.61E-05	4.46E-05	9.91E-03
1418	494911.06	3858401.99	9.28E-03	4.18E-06	8.52E-05	4.43E-05	9.42E-03	9.69E-03	4.27E-02	7.77E-03	1.51E-03	6.17E-02	9.67E-03	4.89E-06	8.52E-05	4.43E-05	9.80E-03
1419	494961.06	3858401.99	9.17E-03	4.13E-06	8.44E-05	4.40E-05	9.30E-03	9.57E-03	4.22E-02	7.69E-03	1.50E-03	6.09E-02	9.55E-03	4.83E-06	8.44E-05	4.40E-05	9.68E-03
1420	495011.06	3858401.99	9.02E-03	4.06E-06	8.32E-05	4.36E-05	9.15E-03	9.41E-03	4.15E-02	7.59E-03	1.49E-03	6.00E-02	9.39E-03	4.75E-06	8.32E-05	4.36E-05	9.52E-03
1421	495061.06	3858401.99	8.90E-03	4.01E-06	8.22E-05	4.33E-05	9.03E-03	9.29E-03	4.10E-02	7.49E-03	1.48E-03	5.92E-02	9.27E-03	4.69E-06	8.22E-05	4.33E-05	9.40E-03
1422	495111.06	3858401.99	8.67E-03	3.92E-06	8.09E-05	4.28E-05	8.80E-03	9.05E-03	4.01E-02	7.38E-03	1.46E-03	5.79E-02	9.03E-03	4.59E-06	8.09E-05	4.28E-05	9.16E-03
1423	495161.06	3858401.99	8.64E-03	3.90E-06	8.04E-05	4.26E-05	8.77E-03	9.02E-03	3.98E-02	7.34E-03	1.46E-03	5.76E-02	9.00E-03	4.56E-06	8.04E-05	4.26E-05	9.13E-03
1424	495211.06	3858401.99	8.44E-03	3.82E-06	7.93E-05	4.22E-05	8.56E-03	8.80E-03	3.90E-02	7.23E-03	1.44E-03	5.65E-02	8.79E-03	4.47E-06	7.93E-05	4.22E-05	8.91E-03
1425	495261.06	3858401.99	8.34E-03	3.77E-06	7.86E-05	4.19E-05	8.46E-03	8.70E-03	3.85E-02	7.16E-03	1.43E-03	5.58E-02	8.68E-03	4.41E-06	7.86E-05	4.19E-05	8.81E-03
1426	495311.06	3858401.99	8.23E-03	3.73E-06	7.78E-05	4.16E-05	8.36E-03	8.59E-03	3.81E-02	7.09E-03	1.42E-03	5.52E-02	8.57E-03	4.36E-06	7.78E-05	4.16E-05	8.70E-03
1427	495361.06	3858401.99	8.16E-03	3.69E-06	7.72E-05	4.13E-05	8.29E-03	8.52E-03	3.77E-02	7.04E-03	1.41E-03	5.47E-02	8.50E-03	4.32E-06	7.72E-05	4.13E-05	8.62E-03
1428	495411.06	3858401.99	8.13E-03	3.67E-06	7.67E-05	4.11E-05	8.25E-03	8.49E-03	3.75E-02	7.00E-03	1.41E-03	5.44E-02	8.47E-03	4.29E-06	7.67E-05	4.11E-05	8.59E-03
1429	495461.06	3858401.99	8.12E-03	3.65E-06	7.63E-05	4.09E-05	8.24E-03	8.47E-03	3.73E-02	6.96E-03	1.40E-03	5.41E-02	8.45E-03	4.27E-06	7.63E-05	4.09E-05	8.57E-03
1430	495511.06	3858401.99	8.09E-03	3.63E-06	7.59E-05	4.07E-05	8.21E-03	8.44E-03	3.71E-02	6.92E-03	1.39E-03	5.38E-02	8.42E-03	4.24E-06	7.59E-05	4.07E-05	8.54E-03
1431	495561.06	3858401.99	8.02E-03	3.59E-06	7.55E-05	4.05E-05	8.14E-03	8.37E-03	3.66E-02	6.89E-03	1.39E-03	5.33E-02	8.35E-03	4.20E-06	7.55E-05	4.05E-05	8.47E-03
1432	495611.06	3858401.99	8.00E-03	3.57E-06	7.51E-05	4.03E-05	8.12E-03	8.35E-03	3.64E-02	6.85E-03	1.38E-03	5.30E-02	8.33E-03	4.17E-06	7.51E-05	4.03E-05	8.45E-03
1433	495661.06	3858401.99	8.03E-03	3.57E-06	7.47E-05	4.01E-05	8.15E-03	8.38E-03	3.65E-02	6.81E-03	1.37E-03	5.31E-02	8.36E-03	4.18E-06	7.47E-05	4.01E-05	8.48E-03
1434	494311.06	3858451.99	1.08E-02	4.99E-06	9.71E-05	4.88E-05	1.10E-02	1.13E-02	5.10E-02	8.86E-03	1.67E-03	7.28E-02	1.13E-02	5.84E-06	9.71E-05	4.88E-05	1.14E-02
1435	494361.06	3858451.99	1.07E-02	4.92E-06	9.56E-05	4.84E-05	1.08E-02	1.12E-02	5.03E-02	8.72E-03	1.65E-03	7.18E-02	1.11E-02	5.76E-06	9.56E-05	4.84E-05	1.13E-02
1436	494411.06	3858451.99	1.06E-02	4.86E-06	9.44E-05	4.80E-05	1.07E-02	1.10E-02	4.97E-02	8.61E-03	1.64E-03	7.10E-02	1.10E-02	5.69E-06	9.44E-05	4.80E-05	1.12E-02
1437	494461.06	3858451.99	1.05E-02	4.81E-06	9.34E-05	4.76E-05	1.06E-02	1.09E-02	4.92E-02	8.52E-03	1.63E-03	7.02E-02	1.09E-02	5.63E-06	9.34E-05	4.76E-05	1.11E-02
1438	494511.06	3858451.99	1.04E-02	4.78E-06	9.27E-05	4.74E-05	1.06E-02	1.09E-02	4.88E-02	8.45E-03	1.62E-03	6.97E-02	1.09E-02	5.59E-06	9.27E-05	4.74E-05	1.10E-02
1439	494561.06	3858451.99	1.03E-02	4.71E-06	9.15E-05	4.70E-05	1.04E-02	1.07E-02	4.81E-02	8.35E-03	1.61E-03	6.88E-02	1.07E-02	5.51E-06	9.15E-05	4.70E-05	1.09E-02
1440	494611.06	3858451.99	1.02E-02	4.66E-06	9.05E-05	4.67E-05	1.03E-02	1.06E-02	4.76E-02	8.25E-03	1.60E-03	6.81E-02	1.06E-02	5.45E-06	9.05E-05	4.67E-05	1.08E-02
1441	494661.06	3858451.99	1.01E-02	4.61E-06	8.96E-05	4.63E-05	1.02E-02	1.05E-02	4.71E-02	8.17E-03	1.58E-03	6.73E-02	1.05E-02	5.39E-06	8.96E-05	4.63E-05	1.06E-02
1442	494711.06	3858451.99	9.94E-03	4.54E-06	8.84E-05	4.59E-05	1.01E-02	1.04E-02	4.64E-02	8.07E-03	1.57E-03	6.64E-02	1.03E-02	5.31E-06	8.84E-05	4.59E-05	1.05E-02
1443	494761.06	3858451.99	9.79E-03	4.47E-06	8.74E-05	4.56E-05	9.93E-03	1.02E-02	4.57E-02	7.97E-03	1.56E-03	6.55E-02	1.02E-02	5.23E-06	8.74E-05	4.56E-05	1.03E-02
1444	494811.06	3858451.99	9.68E-03	4.42E-06	8.64E-05	4.52E-05	9.82E-03	1.01E-02	4.52E-02	7.88E-03	1.55E-03	6.47E-02	1.01E-02	5.17E-06	8.64E-05	4.52E-05	1.02E-02
1445	494861.06	3858451.99	9.54E-03	4.36E-06	8.53E-05	4.49E-05	9.67E-03	9.95E-03	4.45E-02	7.78E-03	1.54E-03	6.38E-02	9.93E-03	5.10E-06	8.53E-05	4.49E-05	1.01E-02
1446	494911.06	3858451.99	9.38E-03	4.28E-06	8.45E-05	4.46E-05	9.51E-03	9.79E-03	4.37E-02	7.70E-03	1.52E-03	6.28E-02	9.77E-03	5.01E-06	8.45E-05	4.46E-05	9.90E-03
1447	494961.06	3858451.99	9.23E-03	4.23E-06	8.32E-05	4.41E-05	9.37E-03	9.64E-03	4.32E-02	7.59E-03	1.51E-03	6.19E-02	9.62E-03	4.94E-06	8.32E-05	4.41E-05	9.75E-03
1448	495011.06	3858451.99	9.07E-03	4.16E-06	8.21E-05	4.38E-05	9.20E-03	9.47E-03	4.25E-02	7.49E-03	1.50E-03	6.09E-02	9.45E-03	4.86E-06	8.21E-05	4.38E-05	9.58E-03
1449	495061.06	3858451.99	9.00E-03	4.12E-06	8.15E-05	4.35E-05	9.13E-03	9.40E-03	4.21E-02	7.43E-03	1.49E-03	6.04E-02	9.38E-03	4.82E-06	8.15E-05	4.35E-05	9.51E-03
1450	495111.06	3858451.99	8.85E-03	4.05E-06	8.04E-05	4.31E-05	8.98E-03	9.23E-03	4.14E-02	7.33E-03	1.47E-03	5.94E-02	9.21E-03	4.74E-06	8.04E-05	4.31E-05	9.34E-03
1451	495161.06	3858451.99	8.67E-03	3.98E-06	7.91E-05	4.27E-05	8.80E-03	9.05E-03	4.06E-02	7.21E-03	1.46E-03	5.84E-02	9.03E-03	4.65E-06	7.91E-05	4.27E-05	9.16E-03
1452	495211.06	3858451.99	8.51E-03	3.91E-06	7.81E-05	4.23E-05	8.64E-03	8.88E-03	3.99E-02	7.13E-03	1.45E-03	5.74E-02	8.86E-03	4.57E-06	7.81E-05	4.23E-05	8.99E-03
1453	495261.06	3858451.99	8.42E-03	3.86E-06	7.74E-05	4.20E-05	8.54E-03	8.78E-03	3.95E-02	7.06E-03	1.44E-03	5.67E-02	8.76E-03	4.52E-06	7.74E-05	4.20E-05	8.89E-03
1454	495311.06	3858451.99	8.34E-03	3.82E-06	7.68E-05	4.17E-05	8.46E-03	8.70E-03	3.91E-02	7.01E-03	1.43E-03	5.62E-02	8.68E-03	4.47E-06	7.68E-05	4.17E-05	8.81E-03
1455	495361.06	3858451.99	8.27E-03	3.79E-06	7.63E-05	4.15E-05	8.39E-03	8.63E-03	3.87E-02	6.96E-03	1.42E-03	5.57E-02	8.61E-03	4.43E-06	7.63E-05	4.15E-05	8.73E-03
1456	495411.06	3858451.99	8.25E-03	3.77E-06	7.59E-05	4.13E-05	8.37E-03	8.61E-03	3.85E-02	6.92E-03	1.41E-03	5.54E-02	8.59E-03	4.41E-06	7.59E-05	4.13E-05	8.71E-03
1457	495461.06	3858451.99	8.24E-03	3.75E-06	7.55E-05	4.11E-05	8.36E-03	8.59E-03	3.83E-02	6.89E-03	1.40E-03	5.52E-02	8.58E-03	4.39E-06	7.55E-05	4.11E-05	8.70E-03
1458	495511.06	3858451.99	8.16E-03	3.71E-06	7.49E-05	4.08E-05	8.28E-03	8.51E-03	3.79E-02	6.83E-03	1.40E-03	5.47E-02	8.50E-03	4.34E-06	7.49E-05	4.08E-05	8.62E-03
1459	495561.06	3858451.99	8.18E-03	3.71E-06	7.47E-05	4.07E-05	8.30E-03	8.54E-03	3.79E-02	6.81E-03	1.39E-03	5.46E-02	8.52E-03	4.34E-06	7.47E-05	4.07E-05	8.64E-03
1460	495611.06	3858451.99	8.09E-03	3.66E-06	7.40E-05	4.04E-05	8.20E-03	8.44E-03	3.74E-02	6.75E-03	1.38E-03	5.40E-02	8.42E-03	4.28E-06	7.40E-05	4.04E-05	8.54E-03

1461	495661.06	3858451.99	8.09E-03	3.65E-06	7.37E-05	4.02E-05	8.20E-03	8.44E-03	3.73E-02	6.72E-03	1.38E-03	5.38E-02	8.42E-03	4.27E-06	7.37E-05	4.02E-05	8.54E-03
1462	494311.06	3858501.99	1.08E-02	5.09E-06	9.61E-05	4.90E-05	1.10E-02	1.13E-02	5.20E-02	8.77E-03	1.68E-03	7.38E-02	1.13E-02	5.96E-06	9.61E-05	4.90E-05	1.14E-02
1463	494361.06	3858501.99	1.07E-02	5.04E-06	9.52E-05	4.87E-05	1.09E-02	1.12E-02	5.15E-02	8.68E-03	1.66E-03	7.31E-02	1.12E-02	5.90E-06	9.52E-05	4.87E-05	1.13E-02
1464	494411.06	3858501.99	1.06E-02	4.99E-06	9.41E-05	4.83E-05	1.08E-02	1.11E-02	5.09E-02	8.59E-03	1.65E-03	7.23E-02	1.11E-02	5.83E-06	9.41E-05	4.83E-05	1.12E-02
1465	494461.06	3858501.99	1.06E-02	4.95E-06	9.33E-05	4.80E-05	1.07E-02	1.10E-02	5.05E-02	8.50E-03	1.64E-03	7.17E-02	1.10E-02	5.79E-06	9.33E-05	4.80E-05	1.12E-02
1466	494511.06	3858501.99	1.04E-02	4.88E-06	9.18E-05	4.76E-05	1.06E-02	1.09E-02	4.98E-02	8.37E-03	1.63E-03	7.07E-02	1.09E-02	5.70E-06	9.18E-05	4.76E-05	1.10E-02
1467	494561.06	3858501.99	1.05E-02	4.87E-06	9.17E-05	4.74E-05	1.06E-02	1.09E-02	4.97E-02	8.36E-03	1.62E-03	7.06E-02	1.09E-02	5.69E-06	9.17E-05	4.74E-05	1.10E-02
1468	494611.06	3858501.99	1.03E-02	4.80E-06	9.03E-05	4.70E-05	1.05E-02	1.08E-02	4.91E-02	8.24E-03	1.61E-03	6.97E-02	1.08E-02	5.62E-06	9.03E-05	4.70E-05	1.09E-02
1469	494661.06	3858501.99	1.03E-02	4.76E-06	8.94E-05	4.67E-05	1.04E-02	1.07E-02	4.86E-02	8.16E-03	1.60E-03	6.91E-02	1.07E-02	5.57E-06	8.94E-05	4.67E-05	1.08E-02
1470	494711.06	3858501.99	1.01E-02	4.69E-06	8.83E-05	4.63E-05	1.03E-02	1.06E-02	4.79E-02	8.05E-03	1.58E-03	6.81E-02	1.05E-02	5.49E-06	8.83E-05	4.63E-05	1.07E-02
1471	494761.06	3858501.99	9.94E-03	4.61E-06	8.69E-05	4.59E-05	1.01E-02	1.04E-02	4.71E-02	7.92E-03	1.57E-03	6.70E-02	1.04E-02	5.40E-06	8.69E-05	4.59E-05	1.05E-02
1472	494811.06	3858501.99	9.79E-03	4.54E-06	8.57E-05	4.55E-05	9.92E-03	1.02E-02	4.64E-02	7.81E-03	1.56E-03	6.60E-02	1.02E-02	5.31E-06	8.57E-05	4.55E-05	1.03E-02
1473	494861.06	3858501.99	9.69E-03	4.49E-06	8.48E-05	4.52E-05	9.82E-03	1.01E-02	4.59E-02	7.73E-03	1.54E-03	6.52E-02	1.01E-02	5.25E-06	8.48E-05	4.52E-05	1.02E-02
1474	494911.06	3858501.99	9.46E-03	4.40E-06	8.33E-05	4.47E-05	9.60E-03	9.87E-03	4.49E-02	7.60E-03	1.53E-03	6.39E-02	9.86E-03	5.14E-06	8.33E-05	4.47E-05	9.99E-03
1475	494961.06	3858501.99	9.35E-03	4.35E-06	8.24E-05	4.44E-05	9.48E-03	9.76E-03	4.44E-02	7.52E-03	1.52E-03	6.32E-02	9.74E-03	5.08E-06	8.24E-05	4.44E-05	9.87E-03
1476	495011.06	3858501.99	9.16E-03	4.26E-06	8.12E-05	4.40E-05	9.29E-03	9.56E-03	4.36E-02	7.40E-03	1.50E-03	6.20E-02	9.54E-03	4.99E-06	8.12E-05	4.40E-05	9.67E-03
1477	495061.06	3858501.99	9.10E-03	4.22E-06	8.05E-05	4.37E-05	9.23E-03	9.49E-03	4.32E-02	7.35E-03	1.49E-03	6.15E-02	9.47E-03	4.94E-06	8.05E-05	4.37E-05	9.60E-03
1478	495111.06	3858501.99	8.86E-03	4.13E-06	7.92E-05	4.32E-05	8.99E-03	9.25E-03	4.22E-02	7.22E-03	1.48E-03	6.01E-02	9.23E-03	4.83E-06	7.92E-05	4.32E-05	9.36E-03
1479	495161.06	3858501.99	8.72E-03	4.07E-06	7.82E-05	4.28E-05	8.85E-03	9.10E-03	4.15E-02	7.13E-03	1.47E-03	5.92E-02	9.08E-03	4.76E-06	7.82E-05	4.28E-05	9.21E-03
1480	495211.06	3858501.99	8.58E-03	4.00E-06	7.72E-05	4.25E-05	8.71E-03	8.96E-03	4.09E-02	7.04E-03	1.45E-03	5.84E-02	8.94E-03	4.68E-06	7.72E-05	4.25E-05	9.06E-03
1481	495261.06	3858501.99	8.49E-03	3.96E-06	7.63E-05	4.22E-05	8.61E-03	8.86E-03	4.04E-02	6.96E-03	1.44E-03	5.77E-02	8.84E-03	4.63E-06	7.63E-05	4.22E-05	8.97E-03
1482	495311.06	3858501.99	8.44E-03	3.93E-06	7.58E-05	4.19E-05	8.57E-03	8.81E-03	4.01E-02	6.92E-03	1.43E-03	5.73E-02	8.79E-03	4.59E-06	7.58E-05	4.19E-05	8.91E-03
1483	495361.06	3858501.99	8.40E-03	3.90E-06	7.54E-05	4.17E-05	8.52E-03	8.76E-03	3.98E-02	6.87E-03	1.42E-03	5.69E-02	8.75E-03	4.56E-06	7.54E-05	4.17E-05	8.87E-03
1484	495411.06	3858501.99	8.37E-03	3.87E-06	7.49E-05	4.14E-05	8.49E-03	8.74E-03	3.96E-02	6.84E-03	1.42E-03	5.66E-02	8.72E-03	4.53E-06	7.49E-05	4.14E-05	8.84E-03
1485	495461.06	3858501.99	8.35E-03	3.85E-06	7.46E-05	4.12E-05	8.47E-03	8.71E-03	3.93E-02	6.80E-03	1.41E-03	5.63E-02	8.70E-03	4.50E-06	7.46E-05	4.12E-05	8.82E-03
1486	495511.06	3858501.99	8.31E-03	3.82E-06	7.41E-05	4.10E-05	8.43E-03	8.67E-03	3.90E-02	6.76E-03	1.40E-03	5.59E-02	8.65E-03	4.47E-06	7.41E-05	4.10E-05	8.77E-03
1487	495561.06	3858501.99	8.33E-03	3.82E-06	7.39E-05	4.08E-05	8.45E-03	8.69E-03	3.90E-02	6.74E-03	1.40E-03	5.58E-02	8.67E-03	4.46E-06	7.39E-05	4.08E-05	8.79E-03
1488	495611.06	3858501.99	8.28E-03	3.78E-06	7.36E-05	4.07E-05	8.40E-03	8.64E-03	3.86E-02	6.71E-03	1.39E-03	5.53E-02	8.62E-03	4.42E-06	7.36E-05	4.07E-05	8.74E-03
1489	495661.06	3858501.99	8.25E-03	3.76E-06	7.30E-05	4.04E-05	8.36E-03	8.60E-03	3.84E-02	6.65E-03	1.38E-03	5.51E-02	8.59E-03	4.40E-06	7.30E-05	4.04E-05	8.71E-03
1490	494311.06	3858551.99	1.06E-02	5.12E-06	9.50E-05	4.91E-05	1.08E-02	1.11E-02	5.23E-02	8.66E-03	1.68E-03	7.37E-02	1.11E-02	5.99E-06	9.50E-05	4.91E-05	1.12E-02
1491	494361.06	3858551.99	1.07E-02	5.13E-06	9.55E-05	4.90E-05	1.09E-02	1.12E-02	5.24E-02	8.71E-03	1.68E-03	7.40E-02	1.12E-02	6.00E-06	9.55E-05	4.90E-05	1.13E-02
1492	494411.06	3858551.99	1.08E-02	5.14E-06	9.46E-05	4.87E-05	1.09E-02	1.12E-02	5.25E-02	8.62E-03	1.67E-03	7.40E-02	1.12E-02	6.01E-06	9.46E-05	4.87E-05	1.14E-02
1493	494461.06	3858551.99	1.07E-02	5.11E-06	9.41E-05	4.85E-05	1.09E-02	1.12E-02	5.22E-02	8.58E-03	1.66E-03	7.37E-02	1.12E-02	5.98E-06	9.41E-05	4.85E-05	1.13E-02
1494	494511.06	3858551.99	1.07E-02	5.07E-06	9.31E-05	4.82E-05	1.08E-02	1.11E-02	5.17E-02	8.49E-03	1.65E-03	7.30E-02	1.11E-02	5.93E-06	9.31E-05	4.82E-05	1.13E-02
1495	494561.06	3858551.99	1.06E-02	5.02E-06	9.23E-05	4.78E-05	1.08E-02	1.11E-02	5.13E-02	8.42E-03	1.64E-03	7.25E-02	1.11E-02	5.88E-06	9.23E-05	4.78E-05	1.12E-02
1496	494611.06	3858551.99	1.05E-02	4.97E-06	9.12E-05	4.75E-05	1.07E-02	1.10E-02	5.08E-02	8.31E-03	1.62E-03	7.17E-02	1.10E-02	5.82E-06	9.12E-05	4.75E-05	1.11E-02
1497	494661.06	3858551.99	1.04E-02	4.92E-06	9.01E-05	4.71E-05	1.06E-02	1.09E-02	5.03E-02	8.22E-03	1.61E-03	7.10E-02	1.09E-02	5.76E-06	9.01E-05	4.71E-05	1.10E-02
1498	494711.06	3858551.99	1.03E-02	4.84E-06	8.87E-05	4.67E-05	1.04E-02	1.07E-02	4.95E-02	8.09E-03	1.60E-03	6.99E-02	1.07E-02	5.66E-06	8.87E-05	4.67E-05	1.08E-02
1499	494761.06	3858551.99	1.01E-02	4.76E-06	8.72E-05	4.62E-05	1.02E-02	1.05E-02	4.87E-02	7.95E-03	1.58E-03	6.87E-02	1.05E-02	5.57E-06	8.72E-05	4.62E-05	1.07E-02
1500	494811.06	3858551.99	9.98E-03	4.70E-06	8.58E-05	4.59E-05	1.01E-02	1.04E-02	4.80E-02	7.83E-03	1.57E-03	6.78E-02	1.04E-02	5.50E-06	8.58E-05	4.59E-05	1.05E-02
1501	494861.06	3858551.99	9.82E-03	4.62E-06	8.46E-05	4.54E-05	9.95E-03	1.02E-02	4.72E-02	7.71E-03	1.55E-03	6.67E-02	1.02E-02	5.41E-06	8.46E-05	4.54E-05	1.04E-02
1502	494911.06	3858551.99	9.63E-03	4.54E-06	8.31E-05	4.50E-05	9.76E-03	1.00E-02	4.64E-02	7.58E-03	1.54E-03	6.55E-02	1.00E-02	5.31E-06	8.31E-05	4.50E-05	1.02E-02
1503	494961.06	3858551.99	9.48E-03	4.47E-06	8.20E-05	4.46E-05	9.61E-03	9.89E-03	4.56E-02	7.48E-03	1.52E-03	6.45E-02	9.87E-03	5.23E-06	8.20E-05	4.46E-05	1.00E-02
1504	495011.06	3858551.99	9.29E-03	4.38E-06	8.07E-05	4.42E-05	9.42E-03	9.69E-03	4.48E-02	7.36E-03	1.51E-03	6.33E-02	9.67E-03	5.13E-06	8.07E-05	4.42E-05	9.80E-03
1505	495061.06	3858551.99	9.16E-03	4.33E-06	7.97E-05	4.38E-05	9.29E-03	9.56E-03	4.42E-02	7.27E-03	1.50E-03	6.25E-02	9.54E-03	5.06E-06	7.97E-05	4.38E-05	9.67E-03
1506	495111.06	3858551.99	8.93E-03	4.23E-06	7.82E-05	4.33E-05	9.06E-03	9.32E-03	4.32E-02	7.14E-03	1.48E-03	6.11E-02	9.30E-03	4.95E-06	7.82E-05	4.33E-05	9.43E-03
1507	495161.06	3858551.99	8.79E-03	4.16E-06	7.73E-05	4.29E-05	8.91E-03	9.17E-03	4.25E-02	7.05E-03	1.47E-03	6.02E-02	9.15E-03	4.87E-06	7.73E-05	4.29E-05	9.28E-03
1508	495211.06	3858551.99	8.67E-03	4.10E-06	7.64E-05	4.26E-05	8.79E-03	9.04E-03	4.19E-02	6.97E-03	1.46E-03	5.94E-02	9.02E-03	4.80E-06	7.64E-05	4.26E-05	9.15E-03
1509	495261.06	3858551.99	8.58E-03	4.06E-06	7.58E-05	4.23E-05	8.71E-03	8.96E-03	4.15E-02	6.91E-03	1.45E-03	5.88E-02	8.94E-03	4.75E-06	7.58E-05	4.23E-05	9.06E-03
1510	495311.06	3858551.99	8.55E-03	4.03E-06	7.54E-05	4.21E-05	8.67E-03	8.92E-03	4.12E-02	6.87E-03	1.44E-03	5.84E-02	8.91E-03	4.72E-06	7.54E-05	4.21E-05	9.03E-03
1511	495361.06	3858551.99	8.51E-03	4.00E-06	7.49E-05	4.18E-05	8.63E-03	8.88E-03	4.09E-02	6.83E-03	1.43E-03	5.80E-02	8.86E-03	4.68E-06	7.49E-05	4.18E-05	8.98E-03
1512	495411.06	3858551.99	8.50E-03	3.98E-06	7.45E-05	4.16E-05	8.62E-03	8.87E-03	4.07E-02	6.80E-03	1.42E-03	5.78E-02	8.85E-03	4.66E-06	7.45E-05	4.16E-05	8.97E-03
1513	495461.06	3858551.99	8.47E-03	3.96E-06	7.41E-05	4.14E-05	8.59E-03	8.83E-03	4.04E-02	6.76E-03	1.42E-03	5.74E-02	8.82E-03	4.63E-06	7.41E-05	4.14E-05	8.94E-03
1514	495511.06	3858551.99	8.46E-03	3.94E-06	7.38E-05	4.12E-05	8.58E-03	8.83E-03	4.02E-02	6.73E-03	1.41E-03	5.72E-02	8.81E-03	4.61E-06	7.38E-05	4.12E-05	8.93E-03
1515	495561.06	3858551.99	8.43E-03	3.91E-06	7.34E-05	4.10E-05	8.54E-03	8.79E-03	4.00E-02	6.69E-03	1.40E-03	5.69E-02	8.77E-03	4.58E-06	7.34E-05	4.10E-05	8.89E-03
1516	495611.06	3858551.99	8.38E-03	3.88E-06	7.29E-05	4.08E-05	8.50E-03	8.74E-03	3.97E-02	6.65E-03	1.39E-03	5.65E-02	8.73E-03	4.54E-06	7.29E-05	4.08E-05	8.84E-03
1517	495661.06	3858551.99	8.33E-03	3.85E-06	7.23E-05	4.05E-05	8.44E-03	8.69E-03	3.93E-02	6.60E-03	1.39E-03	5.60E-02	8.67E-03	4.50E-06	7.23E-05	4.05E-05	8.79E-03
1518	494311.06	3858601.99	9.96E-03	5.00E-06	8.84E-05	4.82E-05	1.01E-02	1.04E-02	5.11E-02	8.06E-03	1.65E-03	7.12E-02	1.04E-02	5.85E-06	8.84E-05	4.82E-05	1.05E-02
1519	494361.06	3858601.99	1.06E-02	5.18E-06	9.39E-05	4.90E-05	1.07E-02	1.10E-02	5.30E-02	8.57E-03	1.68E-03	7.42E-02	1.10E-02	6.07E-06	9.39E-05	4.90E-05	1.12E-02
1520	494411.06	3858601.99	1.09E-02	5.32E-06	9.49E-05	4.93E-05	1.11E-02	1.14E-02	5.43E-02	8.65E-03	1.69E-03	7.61E-02	1.14E-02	6.22E-06	9.49E-05	4.93E-05	1.16E-02
1521	494461.06	3858601.99	1.09E-02	5.29E-06	9.43E-05	4.90E-05	1.11E-02	1.14E-02	5.40E-02	8.60E-03	1.68E-03	7.57E-02	1.14E-02	6.19E-06	9.43E-05	4.90E-05	1.15E-02

1522	494511.06	3858601.99	1.08E-02	5.21E-06	9.37E-05	4.87E-05	1.10E-02	1.13E-02	5.32E-02	8.55E-03	1.67E-03	7.47E-02	1.13E-02	6.09E-06	9.37E-05	4.87E-05	1.14E-02
1523	494561.06	3858601.99	1.08E-02	5.21E-06	9.29E-05	4.84E-05	1.10E-02	1.13E-02	5.32E-02	8.47E-03	1.66E-03	7.46E-02	1.13E-02	6.09E-06	9.29E-05	4.84E-05	1.14E-02
1524	494611.06	3858601.99	1.07E-02	5.13E-06	9.17E-05	4.80E-05	1.08E-02	1.12E-02	5.25E-02	8.37E-03	1.64E-03	7.36E-02	1.11E-02	6.01E-06	9.17E-05	4.80E-05	1.13E-02
1525	494661.06	3858601.99	1.06E-02	5.08E-06	9.08E-05	4.76E-05	1.07E-02	1.11E-02	5.19E-02	8.28E-03	1.63E-03	7.29E-02	1.10E-02	5.94E-06	9.08E-05	4.76E-05	1.12E-02
1526	494711.06	3858601.99	1.04E-02	5.00E-06	8.96E-05	4.71E-05	1.06E-02	1.09E-02	5.11E-02	8.17E-03	1.61E-03	7.18E-02	1.09E-02	5.85E-06	8.96E-05	4.71E-05	1.10E-02
1527	494761.06	3858601.99	1.03E-02	4.92E-06	8.80E-05	4.67E-05	1.04E-02	1.07E-02	5.03E-02	8.03E-03	1.60E-03	7.07E-02	1.07E-02	5.76E-06	8.80E-05	4.67E-05	1.09E-02
1528	494811.06	3858601.99	1.01E-02	4.81E-06	8.60E-05	4.61E-05	1.02E-02	1.05E-02	4.92E-02	7.84E-03	1.58E-03	6.91E-02	1.05E-02	5.63E-06	8.60E-05	4.61E-05	1.06E-02
1529	494861.06	3858601.99	9.93E-03	4.75E-06	8.48E-05	4.57E-05	1.01E-02	1.04E-02	4.85E-02	7.73E-03	1.56E-03	6.82E-02	1.03E-02	5.56E-06	8.48E-05	4.57E-05	1.05E-02
1530	494911.06	3858601.99	9.71E-03	4.65E-06	8.28E-05	4.52E-05	9.84E-03	1.01E-02	4.75E-02	7.55E-03	1.55E-03	6.68E-02	1.01E-02	5.44E-06	8.28E-05	4.52E-05	1.02E-02
1531	494961.06	3858601.99	9.56E-03	4.58E-06	8.16E-05	4.48E-05	9.69E-03	9.98E-03	4.68E-02	7.44E-03	1.53E-03	6.57E-02	9.96E-03	5.36E-06	8.16E-05	4.48E-05	1.01E-02
1532	495011.06	3858601.99	9.41E-03	4.50E-06	8.03E-05	4.43E-05	9.54E-03	9.81E-03	4.60E-02	7.33E-03	1.52E-03	6.47E-02	9.79E-03	5.27E-06	8.03E-05	4.43E-05	9.92E-03
1533	495061.06	3858601.99	9.24E-03	4.43E-06	7.91E-05	4.39E-05	9.37E-03	9.64E-03	4.52E-02	7.22E-03	1.50E-03	6.36E-02	9.62E-03	5.18E-06	7.91E-05	4.39E-05	9.75E-03
1534	495111.06	3858601.99	8.98E-03	4.32E-06	7.75E-05	4.34E-05	9.11E-03	9.37E-03	4.41E-02	7.07E-03	1.48E-03	6.21E-02	9.36E-03	5.06E-06	7.75E-05	4.34E-05	9.48E-03
1535	495161.06	3858601.99	8.86E-03	4.26E-06	7.65E-05	4.31E-05	8.98E-03	9.24E-03	4.35E-02	6.97E-03	1.47E-03	6.12E-02	9.22E-03	4.98E-06	7.65E-05	4.31E-05	9.35E-03
1536	495211.06	3858601.99	8.78E-03	4.22E-06	7.58E-05	4.28E-05	8.91E-03	9.17E-03	4.31E-02	6.92E-03	1.46E-03	6.06E-02	9.15E-03	4.93E-06	7.58E-05	4.28E-05	9.27E-03
1537	495261.06	3858601.99	8.70E-03	4.17E-06	7.52E-05	4.25E-05	8.82E-03	9.07E-03	4.26E-02	6.85E-03	1.45E-03	6.00E-02	9.06E-03	4.87E-06	7.52E-05	4.25E-05	9.18E-03
1538	495311.06	3858601.99	8.64E-03	4.13E-06	7.46E-05	4.22E-05	8.76E-03	9.01E-03	4.22E-02	6.80E-03	1.44E-03	5.94E-02	8.99E-03	4.83E-06	7.46E-05	4.22E-05	9.12E-03
1539	495361.06	3858601.99	8.61E-03	4.10E-06	7.42E-05	4.19E-05	8.73E-03	8.98E-03	4.19E-02	6.77E-03	1.43E-03	5.91E-02	8.97E-03	4.80E-06	7.42E-05	4.19E-05	9.09E-03
1540	495411.06	3858601.99	8.58E-03	4.08E-06	7.38E-05	4.17E-05	8.70E-03	8.96E-03	4.17E-02	6.73E-03	1.43E-03	5.88E-02	8.94E-03	4.77E-06	7.38E-05	4.17E-05	9.06E-03
1541	495461.06	3858601.99	8.57E-03	4.06E-06	7.35E-05	4.15E-05	8.69E-03	8.94E-03	4.14E-02	6.70E-03	1.42E-03	5.85E-02	8.92E-03	4.75E-06	7.35E-05	4.15E-05	9.04E-03
1542	495511.06	3858601.99	8.50E-03	4.02E-06	7.29E-05	4.12E-05	8.62E-03	8.87E-03	4.11E-02	6.65E-03	1.41E-03	5.80E-02	8.85E-03	4.70E-06	7.29E-05	4.12E-05	8.97E-03
1543	495561.06	3858601.99	8.51E-03	4.00E-06	7.27E-05	4.11E-05	8.62E-03	8.87E-03	4.09E-02	6.63E-03	1.40E-03	5.78E-02	8.86E-03	4.68E-06	7.27E-05	4.11E-05	8.98E-03
1544	495611.06	3858601.99	8.43E-03	3.96E-06	7.21E-05	4.08E-05	8.54E-03	8.79E-03	4.05E-02	6.57E-03	1.39E-03	5.72E-02	8.77E-03	4.63E-06	7.21E-05	4.08E-05	8.89E-03
1545	495661.06	3858601.99	8.41E-03	3.94E-06	7.18E-05	4.06E-05	8.53E-03	8.78E-03	4.03E-02	6.54E-03	1.39E-03	5.70E-02	8.76E-03	4.61E-06	7.18E-05	4.06E-05	8.88E-03
1546	494311.06	3858651.99	9.79E-03	5.04E-06	8.65E-05	4.82E-05	9.93E-03	1.02E-02	5.15E-02	7.89E-03	1.65E-03	7.13E-02	1.02E-02	5.90E-06	8.65E-05	4.82E-05	1.03E-02
1547	494361.06	3858651.99	1.04E-02	5.23E-06	9.20E-05	4.90E-05	1.05E-02	1.08E-02	5.34E-02	8.39E-03	1.67E-03	7.43E-02	1.08E-02	6.12E-06	9.20E-05	4.90E-05	1.10E-02
1548	494411.06	3858651.99	1.10E-02	5.45E-06	9.63E-05	4.98E-05	1.12E-02	1.15E-02	5.57E-02	8.78E-03	1.70E-03	7.77E-02	1.15E-02	6.37E-06	9.63E-05	4.98E-05	1.16E-02
1549	494461.06	3858651.99	1.11E-02	5.45E-06	9.46E-05	4.94E-05	1.12E-02	1.15E-02	5.57E-02	8.62E-03	1.69E-03	7.76E-02	1.15E-02	6.38E-06	9.46E-05	4.94E-05	1.17E-02
1550	494511.06	3858651.99	1.10E-02	5.40E-06	9.37E-05	4.91E-05	1.11E-02	1.15E-02	5.52E-02	8.55E-03	1.68E-03	7.69E-02	1.14E-02	6.32E-06	9.37E-05	4.91E-05	1.16E-02
1551	494561.06	3858651.99	1.09E-02	5.36E-06	9.31E-05	4.88E-05	1.11E-02	1.14E-02	5.48E-02	8.49E-03	1.67E-03	7.64E-02	1.14E-02	6.28E-06	9.31E-05	4.88E-05	1.16E-02
1552	494611.06	3858651.99	1.09E-02	5.31E-06	9.22E-05	4.85E-05	1.10E-02	1.14E-02	5.43E-02	8.41E-03	1.66E-03	7.57E-02	1.13E-02	6.22E-06	9.22E-05	4.85E-05	1.15E-02
1553	494661.06	3858651.99	1.08E-02	5.24E-06	9.10E-05	4.80E-05	1.09E-02	1.12E-02	5.36E-02	8.30E-03	1.64E-03	7.47E-02	1.12E-02	6.13E-06	9.10E-05	4.80E-05	1.13E-02
1554	494711.06	3858651.99	1.06E-02	5.15E-06	8.96E-05	4.75E-05	1.07E-02	1.10E-02	5.26E-02	8.17E-03	1.63E-03	7.34E-02	1.10E-02	6.02E-06	8.96E-05	4.75E-05	1.12E-02
1555	494761.06	3858651.99	1.04E-02	5.08E-06	8.84E-05	4.71E-05	1.06E-02	1.09E-02	5.19E-02	8.06E-03	1.61E-03	7.24E-02	1.09E-02	5.94E-06	8.84E-05	4.71E-05	1.10E-02
1556	494811.06	3858651.99	1.02E-02	4.97E-06	8.69E-05	4.65E-05	1.04E-02	1.07E-02	5.08E-02	7.92E-03	1.59E-03	7.10E-02	1.07E-02	5.82E-06	8.69E-05	4.65E-05	1.08E-02
1557	494861.06	3858651.99	1.00E-02	4.88E-06	8.52E-05	4.60E-05	1.02E-02	1.05E-02	4.99E-02	7.77E-03	1.57E-03	6.97E-02	1.05E-02	5.71E-06	8.52E-05	4.60E-05	1.06E-02
1558	494911.06	3858651.99	9.82E-03	4.78E-06	8.33E-05	4.54E-05	9.96E-03	1.03E-02	4.88E-02	7.60E-03	1.55E-03	6.82E-02	1.02E-02	5.59E-06	8.33E-05	4.54E-05	1.04E-02
1559	494961.06	3858651.99	9.64E-03	4.69E-06	8.16E-05	4.49E-05	9.77E-03	1.01E-02	4.79E-02	7.44E-03	1.54E-03	6.69E-02	1.00E-02	5.49E-06	8.16E-05	4.49E-05	1.02E-02
1560	495011.06	3858651.99	9.49E-03	4.62E-06	8.01E-05	4.45E-05	9.62E-03	9.90E-03	4.72E-02	7.30E-03	1.52E-03	6.59E-02	9.88E-03	5.40E-06	8.01E-05	4.45E-05	1.00E-02
1561	495061.06	3858651.99	9.33E-03	4.54E-06	7.89E-05	4.41E-05	9.45E-03	9.73E-03	4.64E-02	7.19E-03	1.51E-03	6.48E-02	9.71E-03	5.31E-06	7.89E-05	4.41E-05	9.84E-03
1562	495111.06	3858651.99	9.13E-03	4.45E-06	7.74E-05	4.36E-05	9.26E-03	9.53E-03	4.55E-02	7.05E-03	1.49E-03	6.35E-02	9.51E-03	5.20E-06	7.74E-05	4.36E-05	9.63E-03
1563	495161.06	3858651.99	9.01E-03	4.38E-06	7.64E-05	4.32E-05	9.13E-03	9.40E-03	4.48E-02	6.97E-03	1.48E-03	6.26E-02	9.38E-03	5.13E-06	7.64E-05	4.32E-05	9.51E-03
1564	495211.06	3858651.99	8.87E-03	4.32E-06	7.54E-05	4.29E-05	8.99E-03	9.25E-03	4.41E-02	6.88E-03	1.47E-03	6.17E-02	9.23E-03	5.05E-06	7.54E-05	4.29E-05	9.36E-03
1565	495261.06	3858651.99	8.84E-03	4.29E-06	7.50E-05	4.26E-05	8.96E-03	9.22E-03	4.38E-02	6.84E-03	1.46E-03	6.13E-02	9.20E-03	5.02E-06	7.50E-05	4.26E-05	9.33E-03
1566	495311.06	3858651.99	8.78E-03	4.25E-06	7.44E-05	4.23E-05	8.90E-03	9.16E-03	4.34E-02	6.78E-03	1.45E-03	6.08E-02	9.14E-03	4.97E-06	7.44E-05	4.23E-05	9.26E-03
1567	495361.06	3858651.99	8.73E-03	4.22E-06	7.39E-05	4.21E-05	8.85E-03	9.11E-03	4.31E-02	6.74E-03	1.44E-03	6.04E-02	9.10E-03	4.93E-06	7.39E-05	4.21E-05	9.22E-03
1568	495411.06	3858651.99	8.73E-03	4.20E-06	7.36E-05	4.19E-05	8.85E-03	9.11E-03	4.29E-02	6.71E-03	1.43E-03	6.01E-02	9.09E-03	4.91E-06	7.36E-05	4.19E-05	9.21E-03
1569	495461.06	3858651.99	8.74E-03	4.18E-06	7.34E-05	4.17E-05	8.86E-03	9.12E-03	4.27E-02	6.69E-03	1.43E-03	6.00E-02	9.10E-03	4.89E-06	7.34E-05	4.17E-05	9.22E-03
1570	495511.06	3858651.99	8.65E-03	4.14E-06	7.27E-05	4.14E-05	8.77E-03	9.03E-03	4.23E-02	6.63E-03	1.42E-03	5.93E-02	9.01E-03	4.84E-06	7.27E-05	4.14E-05	9.13E-03
1571	495561.06	3858651.99	8.60E-03	4.10E-06	7.21E-05	4.12E-05	8.72E-03	8.97E-03	4.19E-02	6.58E-03	1.41E-03	5.89E-02	8.95E-03	4.80E-06	7.21E-05	4.12E-05	9.07E-03
1572	495611.06	3858651.99	8.51E-03	4.05E-06	7.14E-05	4.08E-05	8.62E-03	8.87E-03	4.14E-02	6.51E-03	1.40E-03	5.82E-02	8.86E-03	4.74E-06	7.14E-05	4.08E-05	8.97E-03
1573	495661.06	3858651.99	8.49E-03	4.03E-06	7.11E-05	4.06E-05	8.60E-03	8.86E-03	4.12E-02	6.48E-03	1.39E-03	5.79E-02	8.84E-03	4.72E-06	7.11E-05	4.06E-05	8.96E-03
1574	494311.06	3858701.99	9.88E-03	5.18E-06	8.68E-05	4.85E-05	1.00E-02	1.03E-02	5.30E-02	7.92E-03	1.66E-03	7.28E-02	1.03E-02	6.06E-06	8.68E-05	4.85E-05	1.04E-02
1575	494361.06	3858701.99	1.07E-02	5.46E-06	9.35E-05	4.98E-05	1.08E-02	1.12E-02	5.57E-02	8.53E-03	1.70E-03	7.71E-02	1.11E-02	6.38E-06	9.35E-05	4.98E-05	1.13E-02
1576	494411.06	3858701.99	1.11E-02	5.61E-06	9.70E-05	5.03E-05	1.13E-02	1.16E-02	5.73E-02	8.85E-03	1.72E-03	7.95E-02	1.16E-02	6.56E-06	9.70E-05	5.03E-05	1.18E-02
1577	494461.06	3858701.99	1.12E-02	5.59E-06	9.68E-05	5.01E-05	1.13E-02	1.16E-02	5.71E-02	8.83E-03	1.71E-03	7.93E-02	1.16E-02	6.54E-06	9.68E-05	5.01E-05	1.18E-02
1578	494511.06	3858701.99	1.11E-02	5.57E-06	9.42E-05	4.95E-05	1.13E-02	1.16E-02	5.69E-02	8.59E-03	1.69E-03	7.88E-02	1.16E-02	6.52E-06	9.42E-05	4.95E-05	1.17E-02
1579	494561.06	3858701.99	1.11E-02	5.52E-06	9.34E-05	4.92E-05	1.12E-02	1.15E-02	5.64E-02	8.51E-03	1.68E-03	7.81E-02	1.15E-02	6.46E-06	9.34E-05	4.92E-05	1.17E-02
1580	494611.06	3858701.99	1.08E-02	5.41E-06	9.15E-05	4.86E-05	1.10E-02	1.13E-02	5.52E-02	8.34E-03	1.66E-03	7.66E-02	1.13E-02	6.33E-06	9.15E-05	4.86E-05	1.14E-02
1581	494661.06	3858701.99	1.08E-02	5.38E-06	9.11E-05	4.84E-05	1.10E-02	1.13E-02	5.50E-02	8.31E-03	1.65E-03	7.63E-02	1.13E-02	6.30E-06	9.11E-05	4.84E-05	1.14E-02
1582	494711.06	3858701.99	1.04E-02	5.17E-06	8.76E-05	4.73E-05	1.05E-02	1.08E-02	5.28E-02	7.99E-03	1.62E-03	7.32E-02	1.08E-02	6.04E-06	8.76E-05	4.73E-05	1.09E-02

1583	494761.06	3858701.99	1.05E-02	5.19E-06	8.80E-05	4.73E-05	1.06E-02	1.09E-02	5.31E-02	8.03E-03	1.62E-03	7.36E-02	1.09E-02	6.07E-06	8.80E-05	4.73E-05	1.11E-02
1584	494811.06	3858701.99	1.03E-02	5.09E-06	8.63E-05	4.67E-05	1.05E-02	1.08E-02	5.20E-02	7.87E-03	1.60E-03	7.22E-02	1.07E-02	5.95E-06	8.63E-05	4.67E-05	1.09E-02
1585	494861.06	3858701.99	1.01E-02	5.00E-06	8.51E-05	4.62E-05	1.02E-02	1.05E-02	5.11E-02	7.76E-03	1.58E-03	7.10E-02	1.05E-02	5.85E-06	8.51E-05	4.62E-05	1.07E-02
1586	494911.06	3858701.99	9.97E-03	4.92E-06	8.40E-05	4.58E-05	1.01E-02	1.04E-02	5.03E-02	7.66E-03	1.57E-03	6.99E-02	1.04E-02	5.76E-06	8.40E-05	4.58E-05	1.05E-02
1587	494961.06	3858701.99	9.67E-03	4.79E-06	8.14E-05	4.51E-05	9.80E-03	1.01E-02	4.89E-02	7.42E-03	1.54E-03	6.80E-02	1.01E-02	5.60E-06	8.14E-05	4.51E-05	1.02E-02
1588	495011.06	3858701.99	9.49E-03	4.70E-06	7.99E-05	4.46E-05	9.62E-03	9.90E-03	4.80E-02	7.29E-03	1.52E-03	6.67E-02	9.88E-03	5.50E-06	7.99E-05	4.46E-05	1.00E-02
1589	495061.06	3858701.99	9.42E-03	4.65E-06	7.91E-05	4.43E-05	9.55E-03	9.83E-03	4.75E-02	7.21E-03	1.51E-03	6.61E-02	9.81E-03	5.44E-06	7.91E-05	4.43E-05	9.94E-03
1590	495111.06	3858701.99	9.21E-03	4.55E-06	7.72E-05	4.37E-05	9.33E-03	9.61E-03	4.65E-02	7.04E-03	1.50E-03	6.47E-02	9.59E-03	5.33E-06	7.72E-05	4.37E-05	9.72E-03
1591	495161.06	3858701.99	9.11E-03	4.50E-06	7.64E-05	4.34E-05	9.24E-03	9.51E-03	4.59E-02	6.97E-03	1.48E-03	6.39E-02	9.49E-03	5.26E-06	7.64E-05	4.34E-05	9.61E-03
1592	495211.06	3858701.99	8.97E-03	4.43E-06	7.52E-05	4.30E-05	9.09E-03	9.36E-03	4.52E-02	6.86E-03	1.47E-03	6.29E-02	9.34E-03	5.18E-06	7.52E-05	4.30E-05	9.47E-03
1593	495261.06	3858701.99	8.95E-03	4.40E-06	7.49E-05	4.27E-05	9.07E-03	9.34E-03	4.50E-02	6.83E-03	1.46E-03	6.26E-02	9.32E-03	5.15E-06	7.49E-05	4.27E-05	9.44E-03
1594	495311.06	3858701.99	8.93E-03	4.37E-06	7.45E-05	4.25E-05	9.05E-03	9.32E-03	4.47E-02	6.79E-03	1.45E-03	6.23E-02	9.30E-03	5.12E-06	7.45E-05	4.25E-05	9.42E-03
1595	495361.06	3858701.99	8.88E-03	4.34E-06	7.40E-05	4.22E-05	9.00E-03	9.27E-03	4.43E-02	6.75E-03	1.44E-03	6.18E-02	9.25E-03	5.08E-06	7.40E-05	4.22E-05	9.37E-03
1596	495411.06	3858701.99	8.88E-03	4.32E-06	7.38E-05	4.20E-05	9.00E-03	9.27E-03	4.41E-02	6.73E-03	1.44E-03	6.16E-02	9.25E-03	5.05E-06	7.38E-05	4.20E-05	9.37E-03
1597	495461.06	3858701.99	8.85E-03	4.29E-06	7.33E-05	4.18E-05	8.97E-03	9.23E-03	4.38E-02	6.69E-03	1.43E-03	6.12E-02	9.22E-03	5.02E-06	7.33E-05	4.18E-05	9.34E-03
1598	495511.06	3858701.99	8.79E-03	4.25E-06	7.27E-05	4.15E-05	8.91E-03	9.17E-03	4.34E-02	6.63E-03	1.42E-03	6.07E-02	9.16E-03	4.97E-06	7.27E-05	4.15E-05	9.28E-03
1599	495561.06	3858701.99	8.72E-03	4.21E-06	7.20E-05	4.12E-05	8.83E-03	9.10E-03	4.30E-02	6.57E-03	1.41E-03	6.01E-02	9.08E-03	4.92E-06	7.20E-05	4.12E-05	9.20E-03
1600	495611.06	3858701.99	8.64E-03	4.16E-06	7.14E-05	4.09E-05	8.76E-03	9.02E-03	4.25E-02	6.51E-03	1.40E-03	5.95E-02	9.00E-03	4.87E-06	7.14E-05	4.09E-05	9.11E-03
1601	495661.06	3858701.99	8.60E-03	4.13E-06	7.10E-05	4.07E-05	8.72E-03	8.97E-03	4.22E-02	6.47E-03	1.39E-03	5.90E-02	8.96E-03	4.83E-06	7.10E-05	4.07E-05	9.07E-03
1602	494311.06	3858751.99	1.00E-02	5.33E-06	8.77E-05	4.90E-05	1.02E-02	1.05E-02	5.44E-02	7.99E-03	1.68E-03	7.46E-02	1.04E-02	6.23E-06	8.77E-05	4.90E-05	1.06E-02
1603	494361.06	3858751.99	1.09E-02	5.67E-06	9.52E-05	5.04E-05	1.11E-02	1.14E-02	5.79E-02	8.68E-03	1.73E-03	7.98E-02	1.14E-02	6.64E-06	9.52E-05	5.04E-05	1.15E-02
1604	494411.06	3858751.99	1.13E-02	5.79E-06	9.80E-05	5.08E-05	1.14E-02	1.18E-02	5.91E-02	8.94E-03	1.74E-03	8.15E-02	1.17E-02	6.77E-06	9.80E-05	5.08E-05	1.19E-02
1605	494461.06	3858751.99	1.13E-02	5.76E-06	9.79E-05	5.06E-05	1.14E-02	1.18E-02	5.89E-02	8.93E-03	1.73E-03	8.13E-02	1.17E-02	6.74E-06	9.79E-05	5.06E-05	1.19E-02
1606	494511.06	3858751.99	1.13E-02	5.76E-06	9.49E-05	5.00E-05	1.14E-02	1.18E-02	5.88E-02	8.66E-03	1.71E-03	8.10E-02	1.17E-02	6.74E-06	9.49E-05	5.00E-05	1.19E-02
1607	494561.06	3858751.99	1.12E-02	5.67E-06	9.46E-05	4.97E-05	1.13E-02	1.17E-02	5.79E-02	8.62E-03	1.70E-03	7.99E-02	1.16E-02	6.63E-06	9.46E-05	4.97E-05	1.18E-02
1608	494611.06	3858751.99	1.10E-02	5.57E-06	9.26E-05	4.91E-05	1.11E-02	1.15E-02	5.69E-02	8.45E-03	1.68E-03	7.85E-02	1.15E-02	6.52E-06	9.26E-05	4.91E-05	1.16E-02
1609	494661.06	3858751.99	1.09E-02	5.52E-06	9.24E-05	4.88E-05	1.11E-02	1.14E-02	5.64E-02	8.43E-03	1.67E-03	7.79E-02	1.14E-02	6.45E-06	9.24E-05	4.88E-05	1.15E-02
1610	494711.06	3858751.99	1.07E-02	5.38E-06	9.00E-05	4.81E-05	1.08E-02	1.11E-02	5.50E-02	8.21E-03	1.65E-03	7.60E-02	1.11E-02	6.30E-06	9.00E-05	4.81E-05	1.13E-02
1611	494761.06	3858751.99	1.06E-02	5.33E-06	8.81E-05	4.76E-05	1.07E-02	1.10E-02	5.45E-02	8.04E-03	1.63E-03	7.52E-02	1.10E-02	6.24E-06	8.81E-05	4.76E-05	1.12E-02
1612	494811.06	3858751.99	1.03E-02	5.22E-06	8.62E-05	4.70E-05	1.05E-02	1.08E-02	5.33E-02	7.86E-03	1.61E-03	7.36E-02	1.08E-02	6.10E-06	8.62E-05	4.70E-05	1.09E-02
1613	494861.06	3858751.99	1.02E-02	5.11E-06	8.46E-05	4.64E-05	1.03E-02	1.06E-02	5.22E-02	7.72E-03	1.59E-03	7.21E-02	1.06E-02	5.98E-06	8.46E-05	4.64E-05	1.07E-02
1614	494911.06	3858751.99	9.93E-03	5.00E-06	8.30E-05	4.58E-05	1.01E-02	1.04E-02	5.11E-02	7.57E-03	1.57E-03	7.06E-02	1.03E-02	5.85E-06	8.30E-05	4.58E-05	1.05E-02
1615	494961.06	3858751.99	9.78E-03	4.92E-06	8.18E-05	4.53E-05	9.91E-03	1.02E-02	5.02E-02	7.46E-03	1.55E-03	6.95E-02	1.02E-02	5.75E-06	8.18E-05	4.53E-05	1.03E-02
1616	495011.06	3858751.99	9.68E-03	4.86E-06	8.09E-05	4.49E-05	9.81E-03	1.01E-02	4.96E-02	7.38E-03	1.54E-03	6.86E-02	1.01E-02	5.68E-06	8.09E-05	4.49E-05	1.02E-02
1617	495061.06	3858751.99	9.52E-03	4.77E-06	7.95E-05	4.44E-05	9.64E-03	9.93E-03	4.88E-02	7.25E-03	1.52E-03	6.75E-02	9.91E-03	5.58E-06	7.95E-05	4.44E-05	1.00E-02
1618	495111.06	3858751.99	9.32E-03	4.68E-06	7.78E-05	4.39E-05	9.45E-03	9.73E-03	4.78E-02	7.10E-03	1.50E-03	6.61E-02	9.71E-03	5.47E-06	7.78E-05	4.39E-05	9.84E-03
1619	495161.06	3858751.99	9.22E-03	4.62E-06	7.68E-05	4.35E-05	9.35E-03	9.62E-03	4.72E-02	7.00E-03	1.49E-03	6.53E-02	9.60E-03	5.40E-06	7.68E-05	4.35E-05	9.73E-03
1620	495211.06	3858751.99	9.08E-03	4.54E-06	7.52E-05	4.31E-05	9.21E-03	9.48E-03	4.64E-02	6.86E-03	1.47E-03	6.42E-02	9.46E-03	5.32E-06	7.52E-05	4.31E-05	9.58E-03
1621	495261.06	3858751.99	9.05E-03	4.51E-06	7.48E-05	4.29E-05	9.18E-03	9.45E-03	4.61E-02	6.83E-03	1.47E-03	6.38E-02	9.43E-03	5.28E-06	7.48E-05	4.29E-05	9.55E-03
1622	495311.06	3858751.99	9.04E-03	4.49E-06	7.45E-05	4.26E-05	9.16E-03	9.43E-03	4.58E-02	6.79E-03	1.46E-03	6.35E-02	9.41E-03	5.25E-06	7.45E-05	4.26E-05	9.53E-03
1623	495361.06	3858751.99	8.99E-03	4.45E-06	7.40E-05	4.24E-05	9.11E-03	9.38E-03	4.55E-02	6.75E-03	1.45E-03	6.30E-02	9.36E-03	5.21E-06	7.40E-05	4.24E-05	9.48E-03
1624	495411.06	3858751.99	9.00E-03	4.44E-06	7.38E-05	4.22E-05	9.13E-03	9.40E-03	4.53E-02	6.73E-03	1.44E-03	6.29E-02	9.38E-03	5.19E-06	7.38E-05	4.22E-05	9.50E-03
1625	495461.06	3858751.99	8.97E-03	4.41E-06	7.34E-05	4.19E-05	9.09E-03	9.36E-03	4.50E-02	6.70E-03	1.43E-03	6.25E-02	9.34E-03	5.16E-06	7.34E-05	4.19E-05	9.46E-03
1626	495511.06	3858751.99	8.91E-03	4.37E-06	7.29E-05	4.17E-05	9.03E-03	9.30E-03	4.46E-02	6.65E-03	1.42E-03	6.20E-02	9.28E-03	5.11E-06	7.29E-05	4.17E-05	9.40E-03
1627	495561.06	3858751.99	8.84E-03	4.32E-06	7.22E-05	4.14E-05	8.96E-03	9.22E-03	4.41E-02	6.59E-03	1.41E-03	6.14E-02	9.21E-03	5.06E-06	7.22E-05	4.14E-05	9.33E-03
1628	495611.06	3858751.99	8.77E-03	4.28E-06	7.16E-05	4.11E-05	8.89E-03	9.15E-03	4.37E-02	6.53E-03	1.40E-03	6.08E-02	9.13E-03	5.00E-06	7.16E-05	4.11E-05	9.25E-03
1629	495661.06	3858751.99	8.72E-03	4.24E-06	7.11E-05	4.08E-05	8.83E-03	9.09E-03	4.33E-02	6.49E-03	1.39E-03	6.03E-02	9.08E-03	4.96E-06	7.11E-05	4.08E-05	9.19E-03
1630	494311.06	3858801.99	1.04E-02	5.58E-06	8.92E-05	4.99E-05	1.05E-02	1.08E-02	5.70E-02	8.13E-03	1.71E-03	7.76E-02	1.08E-02	6.52E-06	8.92E-05	4.99E-05	1.09E-02
1631	494361.06	3858801.99	1.11E-02	5.86E-06	9.61E-05	5.11E-05	1.12E-02	1.16E-02	5.99E-02	8.77E-03	1.75E-03	8.20E-02	1.16E-02	6.86E-06	9.61E-05	5.11E-05	1.17E-02
1632	494411.06	3858801.99	1.13E-02	5.92E-06	9.76E-05	5.12E-05	1.14E-02	1.18E-02	6.04E-02	8.90E-03	1.75E-03	8.29E-02	1.17E-02	6.92E-06	9.76E-05	5.12E-05	1.19E-02
1633	494461.06	3858801.99	1.14E-02	5.93E-06	9.74E-05	5.10E-05	1.15E-02	1.19E-02	6.06E-02	8.88E-03	1.75E-03	8.31E-02	1.18E-02	6.94E-06	9.74E-05	5.10E-05	1.20E-02
1634	494511.06	3858801.99	1.14E-02	5.93E-06	9.50E-05	5.05E-05	1.15E-02	1.19E-02	6.06E-02	8.66E-03	1.73E-03	8.29E-02	1.18E-02	6.94E-06	9.50E-05	5.05E-05	1.20E-02
1635	494561.06	3858801.99	1.13E-02	5.89E-06	9.44E-05	5.02E-05	1.15E-02	1.18E-02	6.02E-02	8.61E-03	1.72E-03	8.23E-02	1.18E-02	6.89E-06	9.44E-05	5.02E-05	1.20E-02
1636	494611.06	3858801.99	1.12E-02	5.82E-06	9.34E-05	4.97E-05	1.14E-02	1.17E-02	5.95E-02	8.52E-03	1.70E-03	8.14E-02	1.17E-02	6.81E-06	9.34E-05	4.97E-05	1.19E-02
1637	494661.06	3858801.99	1.11E-02	5.71E-06	9.19E-05	4.91E-05	1.12E-02	1.16E-02	5.84E-02	8.38E-03	1.68E-03	8.00E-02	1.15E-02	6.68E-06	9.19E-05	4.91E-05	1.17E-02
1638	494711.06	3858801.99	1.09E-02	5.59E-06	9.00E-05	4.85E-05	1.10E-02	1.13E-02	5.71E-02	8.21E-03	1.66E-03	7.83E-02	1.13E-02	6.54E-06	9.00E-05	4.85E-05	1.15E-02
1639	494761.06	3858801.99	1.06E-02	5.46E-06	8.79E-05	4.78E-05	1.08E-02	1.11E-02	5.58E-02	8.01E-03	1.63E-03	7.65E-02	1.11E-02	6.38E-06	8.79E-05	4.78E-05	1.12E-02
1640	494811.06	3858801.99	1.04E-02	5.32E-06	8.57E-05	4.71E-05	1.05E-02	1.08E-02	5.44E-02	7.81E-03	1.61E-03	7.46E-02	1.08E-02	6.22E-06	8.57E-05	4.71E-05	1.09E-02
1641	494861.06	3858801.99	1.02E-02	5.24E-06	8.45E-05	4.67E-05	1.04E-02	1.07E-02	5.35E-02	7.71E-03	1.60E-03	7.35E-02	1.06E-02	6.13E-06	8.45E-05	4.67E-05	1.08E-02
1642	494911.06	3858801.99	1.00E-02	5.13E-06	8.28E-05	4.60E-05	1.01E-02	1.05E-02	5.24E-02	7.55E-03	1.57E-03	7.20E-02	1.04E-02	6.00E-06	8.28E-05	4.60E-05	1.06E-02
1643	494961.06	3858801.99	9.87E-03	5.04E-06	8.16E-05	4.56E-05	1.00E-02	1.03E-02	5.15E-02	7.44E-03	1.56E-03	7.08E-02	1.03E-02	5.90E-06	8.16E-05	4.56E-05	1.04E-02

1644	495011.06	3858801.99	9.71E-03	4.96E-06	8.03E-05	4.50E-05	9.84E-03	1.01E-02	5.06E-02	7.33E-03	1.54E-03	6.96E-02	1.01E-02	5.80E-06	8.03E-05	4.50E-05	1.02E-02
1645	495061.06	3858801.99	9.61E-03	4.90E-06	7.95E-05	4.46E-05	9.74E-03	1.00E-02	5.00E-02	7.25E-03	1.53E-03	6.88E-02	1.00E-02	5.73E-06	7.95E-05	4.46E-05	1.01E-02
1646	495111.06	3858801.99	9.40E-03	4.79E-06	7.79E-05	4.40E-05	9.53E-03	9.81E-03	4.89E-02	7.10E-03	1.51E-03	6.73E-02	9.79E-03	5.60E-06	7.79E-05	4.40E-05	9.92E-03
1647	495161.06	3858801.99	9.25E-03	4.71E-06	7.65E-05	4.36E-05	9.38E-03	9.65E-03	4.81E-02	6.98E-03	1.49E-03	6.62E-02	9.63E-03	5.51E-06	7.65E-05	4.36E-05	9.76E-03
1648	495211.06	3858801.99	9.18E-03	4.66E-06	7.58E-05	4.32E-05	9.30E-03	9.58E-03	4.76E-02	6.91E-03	1.48E-03	6.56E-02	9.56E-03	5.45E-06	7.58E-05	4.32E-05	9.68E-03
1649	495261.06	3858801.99	9.15E-03	4.63E-06	7.54E-05	4.30E-05	9.28E-03	9.55E-03	4.73E-02	6.88E-03	1.47E-03	6.52E-02	9.53E-03	5.41E-06	7.54E-05	4.30E-05	9.66E-03
1650	495311.06	3858801.99	9.15E-03	4.60E-06	7.52E-05	4.28E-05	9.27E-03	9.54E-03	4.70E-02	6.85E-03	1.46E-03	6.49E-02	9.52E-03	5.39E-06	7.52E-05	4.28E-05	9.65E-03
1651	495361.06	3858801.99	9.11E-03	4.57E-06	7.47E-05	4.25E-05	9.23E-03	9.50E-03	4.67E-02	6.81E-03	1.45E-03	6.44E-02	9.49E-03	5.34E-06	7.47E-05	4.25E-05	9.61E-03
1652	495411.06	3858801.99	9.15E-03	4.56E-06	7.48E-05	4.24E-05	9.27E-03	9.55E-03	4.66E-02	6.82E-03	1.45E-03	6.44E-02	9.53E-03	5.34E-06	7.48E-05	4.24E-05	9.65E-03
1653	495461.06	3858801.99	9.11E-03	4.53E-06	7.42E-05	4.21E-05	9.23E-03	9.50E-03	4.63E-02	6.77E-03	1.44E-03	6.40E-02	9.48E-03	5.30E-06	7.42E-05	4.21E-05	9.60E-03
1654	495511.06	3858801.99	9.03E-03	4.48E-06	7.36E-05	4.18E-05	9.15E-03	9.42E-03	4.58E-02	6.71E-03	1.43E-03	6.33E-02	9.41E-03	5.24E-06	7.36E-05	4.18E-05	9.53E-03
1655	495561.06	3858801.99	8.97E-03	4.44E-06	7.31E-05	4.15E-05	9.09E-03	9.36E-03	4.53E-02	6.67E-03	1.42E-03	6.28E-02	9.34E-03	5.19E-06	7.31E-05	4.15E-05	9.46E-03
1656	495611.06	3858801.99	8.88E-03	4.38E-06	7.21E-05	4.11E-05	9.00E-03	9.26E-03	4.48E-02	6.58E-03	1.41E-03	6.20E-02	9.25E-03	5.13E-06	7.21E-05	4.11E-05	9.36E-03
1657	495661.06	3858801.99	8.84E-03	4.35E-06	7.17E-05	4.09E-05	8.96E-03	9.23E-03	4.45E-02	6.53E-03	1.40E-03	6.16E-02	9.21E-03	5.09E-06	7.17E-05	4.09E-05	9.33E-03
1658	494311.06	3858851.99	1.11E-02	6.00E-06	9.44E-05	5.16E-05	1.12E-02	1.15E-02	6.13E-02	8.61E-03	1.76E-03	8.33E-02	1.15E-02	7.02E-06	9.44E-05	5.16E-05	1.17E-02
1659	494361.06	3858851.99	1.15E-02	6.17E-06	9.84E-05	5.22E-05	1.16E-02	1.20E-02	6.30E-02	8.98E-03	1.79E-03	8.58E-02	1.19E-02	7.22E-06	9.84E-05	5.22E-05	1.21E-02
1660	494411.06	3858851.99	1.14E-02	6.13E-06	9.81E-05	5.19E-05	1.16E-02	1.19E-02	6.27E-02	8.94E-03	1.78E-03	8.53E-02	1.19E-02	7.17E-06	9.81E-05	5.19E-05	1.21E-02
1661	494461.06	3858851.99	1.15E-02	6.12E-06	9.74E-05	5.16E-05	1.16E-02	1.20E-02	6.25E-02	8.88E-03	1.76E-03	8.52E-02	1.20E-02	7.16E-06	9.74E-05	5.16E-05	1.21E-02
1662	494511.06	3858851.99	1.14E-02	6.10E-06	9.43E-05	5.08E-05	1.16E-02	1.19E-02	6.23E-02	8.60E-03	1.74E-03	8.46E-02	1.19E-02	7.14E-06	9.43E-05	5.08E-05	1.21E-02
1663	494561.06	3858851.99	1.14E-02	6.04E-06	9.37E-05	5.05E-05	1.15E-02	1.19E-02	6.17E-02	8.54E-03	1.73E-03	8.39E-02	1.19E-02	7.07E-06	9.37E-05	5.05E-05	1.20E-02
1664	494611.06	3858851.99	1.13E-02	5.96E-06	9.26E-05	5.00E-05	1.14E-02	1.18E-02	6.08E-02	8.44E-03	1.71E-03	8.28E-02	1.17E-02	6.97E-06	9.26E-05	5.00E-05	1.19E-02
1665	494661.06	3858851.99	1.11E-02	5.85E-06	9.12E-05	4.94E-05	1.13E-02	1.16E-02	5.98E-02	8.32E-03	1.69E-03	8.14E-02	1.16E-02	6.85E-06	9.12E-05	4.94E-05	1.17E-02
1666	494711.06	3858851.99	1.09E-02	5.71E-06	8.92E-05	4.87E-05	1.10E-02	1.13E-02	5.83E-02	8.13E-03	1.66E-03	7.94E-02	1.13E-02	6.68E-06	8.92E-05	4.87E-05	1.15E-02
1667	494761.06	3858851.99	1.06E-02	5.57E-06	8.72E-05	4.79E-05	1.08E-02	1.11E-02	5.69E-02	7.95E-03	1.64E-03	7.76E-02	1.11E-02	6.52E-06	8.72E-05	4.79E-05	1.12E-02
1668	494811.06	3858851.99	1.04E-02	5.46E-06	8.55E-05	4.73E-05	1.06E-02	1.09E-02	5.58E-02	7.80E-03	1.62E-03	7.61E-02	1.09E-02	6.38E-06	8.55E-05	4.73E-05	1.10E-02
1669	494861.06	3858851.99	1.03E-02	5.38E-06	8.44E-05	4.68E-05	1.04E-02	1.08E-02	5.50E-02	7.70E-03	1.60E-03	7.50E-02	1.07E-02	6.29E-06	8.44E-05	4.68E-05	1.09E-02
1670	494911.06	3858851.99	1.01E-02	5.27E-06	8.29E-05	4.63E-05	1.03E-02	1.06E-02	5.39E-02	7.56E-03	1.58E-03	7.36E-02	1.05E-02	6.17E-06	8.29E-05	4.63E-05	1.07E-02
1671	494961.06	3858851.99	9.97E-03	5.18E-06	8.16E-05	4.58E-05	1.01E-02	1.04E-02	5.29E-02	7.44E-03	1.57E-03	7.24E-02	1.04E-02	6.06E-06	8.16E-05	4.58E-05	1.05E-02
1672	495011.06	3858851.99	9.85E-03	5.11E-06	8.05E-05	4.53E-05	9.98E-03	1.03E-02	5.22E-02	7.34E-03	1.55E-03	7.13E-02	1.03E-02	5.97E-06	8.05E-05	4.53E-05	1.04E-02
1673	495061.06	3858851.99	9.70E-03	5.02E-06	7.93E-05	4.48E-05	9.83E-03	1.01E-02	5.13E-02	7.23E-03	1.53E-03	7.02E-02	1.01E-02	5.87E-06	7.93E-05	4.48E-05	1.02E-02
1674	495111.06	3858851.99	9.41E-03	4.87E-06	7.72E-05	4.41E-05	9.54E-03	9.82E-03	4.98E-02	7.04E-03	1.51E-03	6.82E-02	9.80E-03	5.70E-06	7.72E-05	4.41E-05	9.93E-03
1675	495161.06	3858851.99	9.27E-03	4.79E-06	7.62E-05	4.36E-05	9.39E-03	9.67E-03	4.90E-02	6.95E-03	1.49E-03	6.71E-02	9.65E-03	5.61E-06	7.62E-05	4.36E-05	9.78E-03
1676	495211.06	3858851.99	9.29E-03	4.78E-06	7.61E-05	4.34E-05	9.41E-03	9.69E-03	4.88E-02	6.94E-03	1.48E-03	6.70E-02	9.67E-03	5.59E-06	7.61E-05	4.34E-05	9.80E-03
1677	495261.06	3858851.99	9.26E-03	4.75E-06	7.58E-05	4.31E-05	9.39E-03	9.67E-03	4.85E-02	6.91E-03	1.48E-03	6.65E-02	9.65E-03	5.55E-06	7.58E-05	4.31E-05	9.77E-03
1678	495311.06	3858851.99	9.27E-03	4.73E-06	7.56E-05	4.29E-05	9.39E-03	9.67E-03	4.83E-02	6.89E-03	1.47E-03	6.63E-02	9.65E-03	5.53E-06	7.56E-05	4.29E-05	9.78E-03
1679	495361.06	3858851.99	9.25E-03	4.70E-06	7.53E-05	4.27E-05	9.37E-03	9.65E-03	4.80E-02	6.86E-03	1.46E-03	6.60E-02	9.63E-03	5.50E-06	7.53E-05	4.27E-05	9.76E-03
1680	495411.06	3858851.99	9.23E-03	4.67E-06	7.50E-05	4.25E-05	9.35E-03	9.63E-03	4.77E-02	6.84E-03	1.45E-03	6.56E-02	9.61E-03	5.46E-06	7.50E-05	4.25E-05	9.74E-03
1681	495461.06	3858851.99	9.22E-03	4.65E-06	7.47E-05	4.22E-05	9.34E-03	9.62E-03	4.75E-02	6.81E-03	1.44E-03	6.53E-02	9.60E-03	5.44E-06	7.47E-05	4.22E-05	9.73E-03
1682	495511.06	3858851.99	9.20E-03	4.60E-06	7.48E-05	4.21E-05	9.32E-03	9.59E-03	4.70E-02	6.82E-03	1.44E-03	6.49E-02	9.58E-03	5.38E-06	7.48E-05	4.21E-05	9.70E-03
1683	495561.06	3858851.99	9.05E-03	4.54E-06	7.32E-05	4.15E-05	9.17E-03	9.44E-03	4.64E-02	6.67E-03	1.42E-03	6.39E-02	9.42E-03	5.31E-06	7.32E-05	4.15E-05	9.54E-03
1684	495611.06	3858851.99	8.94E-03	4.48E-06	7.23E-05	4.12E-05	9.06E-03	9.33E-03	4.57E-02	6.59E-03	1.41E-03	6.31E-02	9.31E-03	5.24E-06	7.23E-05	4.12E-05	9.43E-03
1685	495661.06	3858851.99	8.93E-03	4.45E-06	7.20E-05	4.09E-05	9.05E-03	9.32E-03	4.55E-02	6.57E-03	1.40E-03	6.28E-02	9.30E-03	5.21E-06	7.20E-05	4.09E-05	9.42E-03
1686	494311.06	3858901.99	1.13E-02	6.24E-06	9.46E-05	5.23E-05	1.14E-02	1.18E-02	6.38E-02	8.63E-03	1.79E-03	8.60E-02	1.18E-02	7.30E-06	9.46E-05	5.23E-05	1.19E-02
1687	494361.06	3858901.99	1.16E-02	6.37E-06	9.69E-05	5.27E-05	1.17E-02	1.21E-02	6.51E-02	8.84E-03	1.80E-03	8.78E-02	1.20E-02	7.45E-06	9.69E-05	5.27E-05	1.22E-02
1688	494411.06	3858901.99	1.16E-02	6.35E-06	9.70E-05	5.25E-05	1.17E-02	1.21E-02	6.49E-02	8.84E-03	1.80E-03	8.77E-02	1.21E-02	7.43E-06	9.70E-05	5.25E-05	1.22E-02
1689	494461.06	3858901.99	1.16E-02	6.35E-06	9.38E-05	5.17E-05	1.17E-02	1.21E-02	6.49E-02	8.56E-03	1.77E-03	8.73E-02	1.21E-02	7.43E-06	9.38E-05	5.17E-05	1.22E-02
1690	494511.06	3858901.99	1.16E-02	6.32E-06	9.37E-05	5.14E-05	1.17E-02	1.21E-02	6.46E-02	8.54E-03	1.76E-03	8.70E-02	1.21E-02	7.40E-06	9.37E-05	5.14E-05	1.22E-02
1691	494561.06	3858901.99	1.15E-02	6.23E-06	9.27E-05	5.08E-05	1.16E-02	1.20E-02	6.36E-02	8.46E-03	1.74E-03	8.58E-02	1.19E-02	7.28E-06	9.27E-05	5.08E-05	1.21E-02
1692	494611.06	3858901.99	1.12E-02	6.07E-06	9.10E-05	5.01E-05	1.14E-02	1.17E-02	6.21E-02	8.30E-03	1.71E-03	8.38E-02	1.17E-02	7.11E-06	9.10E-05	5.01E-05	1.19E-02
1693	494661.06	3858901.99	1.11E-02	5.99E-06	9.01E-05	4.96E-05	1.13E-02	1.16E-02	6.12E-02	8.21E-03	1.70E-03	8.27E-02	1.16E-02	7.00E-06	9.01E-05	4.96E-05	1.17E-02
1694	494711.06	3858901.99	1.09E-02	5.85E-06	8.84E-05	4.89E-05	1.11E-02	1.14E-02	5.98E-02	8.06E-03	1.67E-03	8.09E-02	1.14E-02	6.84E-06	8.84E-05	4.89E-05	1.15E-02
1695	494761.06	3858901.99	1.06E-02	5.69E-06	8.63E-05	4.81E-05	1.08E-02	1.11E-02	5.82E-02	7.87E-03	1.65E-03	7.88E-02	1.11E-02	6.66E-06	8.63E-05	4.81E-05	1.12E-02
1696	494811.06	3858901.99	1.05E-02	5.60E-06	8.51E-05	4.76E-05	1.06E-02	1.10E-02	5.72E-02	7.76E-03	1.63E-03	7.75E-02	1.09E-02	6.55E-06	8.51E-05	4.76E-05	1.11E-02
1697	494861.06	3858901.99	1.04E-02	5.52E-06	8.42E-05	4.71E-05	1.05E-02	1.08E-02	5.64E-02	7.67E-03	1.61E-03	7.66E-02	1.08E-02	6.46E-06	8.42E-05	4.71E-05	1.10E-02
1698	494911.06	3858901.99	1.01E-02	5.38E-06	8.21E-05	4.64E-05	1.03E-02	1.06E-02	5.49E-02	7.49E-03	1.59E-03	7.46E-02	1.06E-02	6.29E-06	8.21E-05	4.64E-05	1.07E-02
1699	494961.06	3858901.99	1.00E-02	5.29E-06	8.10E-05	4.59E-05	1.01E-02	1.04E-02	5.41E-02	7.38E-03	1.57E-03	7.35E-02	1.04E-02	6.19E-06	8.10E-05	4.59E-05	1.06E-02
1700	495011.06	3858901.99	9.88E-03	5.21E-06	7.99E-05	4.54E-05	1.00E-02	1.03E-02	5.32E-02	7.28E-03	1.55E-03	7.24E-02	1.03E-02	6.09E-06	7.99E-05	4.54E-05	1.04E-02
1701	495061.06	3858901.99	9.68E-03	5.10E-06	7.83E-05	4.48E-05	9.81E-03	1.01E-02	5.21E-02	7.14E-03	1.53E-03	7.09E-02	1.01E-02	5.96E-06	7.83E-05	4.48E-05	1.02E-02
1702	495111.06	3858901.99	9.39E-03	4.95E-06	7.62E-05	4.40E-05	9.52E-03	9.80E-03	5.06E-02	6.95E-03	1.51E-03	6.88E-02	9.78E-03	5.79E-06	7.62E-05	4.40E-05	9.90E-03
1703	495161.06	3858901.99	9.32E-03	4.89E-06	7.56E-05	4.37E-05	9.44E-03	9.72E-03	5.00E-02	6.89E-03	1.49E-03	6.81E-02	9.70E-03	5.73E-06	7.56E-05	4.37E-05	9.83E-03
1704	495211.06	3858901.99	9.39E-03	4.90E-06	7.59E-05	4.36E-05	9.51E-03	9.80E-03	5.01E-02	6.92E-03	1.49E-03	6.83E-02	9.78E-03	5.73E-06	7.59E-05	4.36E-05	9.90E-03

1705	495261.06	3858901.99	9.39E-03	4.88E-06	7.57E-05	4.34E-05	9.51E-03	9.79E-03	4.98E-02	6.90E-03	1.48E-03	6.80E-02	9.77E-03	5.71E-06	7.57E-05	4.34E-05	9.90E-03
1706	495311.06	3858901.99	9.36E-03	4.84E-06	7.53E-05	4.31E-05	9.48E-03	9.76E-03	4.95E-02	6.87E-03	1.47E-03	6.76E-02	9.74E-03	5.66E-06	7.53E-05	4.31E-05	9.87E-03
1707	495361.06	3858901.99	9.33E-03	4.81E-06	7.50E-05	4.28E-05	9.46E-03	9.74E-03	4.91E-02	6.84E-03	1.46E-03	6.72E-02	9.72E-03	5.63E-06	7.50E-05	4.28E-05	9.84E-03
1708	495411.06	3858901.99	9.35E-03	4.80E-06	7.50E-05	4.27E-05	9.48E-03	9.76E-03	4.90E-02	6.84E-03	1.46E-03	6.71E-02	9.74E-03	5.61E-06	7.50E-05	4.27E-05	9.86E-03
1709	495461.06	3858901.99	9.31E-03	4.75E-06	7.45E-05	4.24E-05	9.43E-03	9.71E-03	4.86E-02	6.79E-03	1.45E-03	6.65E-02	9.69E-03	5.56E-06	7.45E-05	4.24E-05	9.81E-03
1710	495511.06	3858901.99	9.22E-03	4.70E-06	7.38E-05	4.20E-05	9.34E-03	9.62E-03	4.80E-02	6.73E-03	1.44E-03	6.58E-02	9.60E-03	5.50E-06	7.38E-05	4.20E-05	9.72E-03
1711	495561.06	3858901.99	9.15E-03	4.65E-06	7.32E-05	4.17E-05	9.27E-03	9.55E-03	4.75E-02	6.67E-03	1.43E-03	6.52E-02	9.53E-03	5.44E-06	7.32E-05	4.17E-05	9.65E-03
1712	495611.06	3858901.99	9.05E-03	4.59E-06	7.24E-05	4.13E-05	9.17E-03	9.44E-03	4.69E-02	6.60E-03	1.41E-03	6.43E-02	9.43E-03	5.37E-06	7.24E-05	4.13E-05	9.54E-03
1713	495661.06	3858901.99	9.05E-03	4.57E-06	7.22E-05	4.11E-05	9.17E-03	9.44E-03	4.67E-02	6.59E-03	1.41E-03	6.41E-02	9.43E-03	5.34E-06	7.22E-05	4.11E-05	9.54E-03
1714	494311.06	3858951.99	1.16E-02	6.58E-06	9.51E-05	5.35E-05	1.18E-02	1.21E-02	6.72E-02	8.67E-03	1.83E-03	8.99E-02	1.21E-02	7.70E-06	9.51E-05	5.35E-05	1.23E-02
1715	494361.06	3858951.99	1.17E-02	6.61E-06	9.58E-05	5.35E-05	1.19E-02	1.22E-02	6.76E-02	8.74E-03	1.83E-03	9.04E-02	1.22E-02	7.74E-06	9.58E-05	5.35E-05	1.24E-02
1716	494411.06	3858951.99	1.17E-02	6.54E-06	9.50E-05	5.30E-05	1.18E-02	1.22E-02	6.68E-02	8.67E-03	1.81E-03	8.94E-02	1.21E-02	7.65E-06	9.50E-05	5.30E-05	1.23E-02
1717	494461.06	3858951.99	1.17E-02	6.54E-06	9.20E-05	5.21E-05	1.18E-02	1.22E-02	6.69E-02	8.39E-03	1.78E-03	8.92E-02	1.21E-02	7.66E-06	9.20E-05	5.21E-05	1.23E-02
1718	494511.06	3858951.99	1.16E-02	6.48E-06	9.16E-05	5.17E-05	1.18E-02	1.21E-02	6.62E-02	8.36E-03	1.77E-03	8.85E-02	1.21E-02	7.58E-06	9.16E-05	5.17E-05	1.22E-02
1719	494561.06	3858951.99	1.15E-02	6.39E-06	9.09E-05	5.11E-05	1.16E-02	1.20E-02	6.53E-02	8.29E-03	1.75E-03	8.73E-02	1.20E-02	7.47E-06	9.09E-05	5.11E-05	1.21E-02
1720	494611.06	3858951.99	1.13E-02	6.25E-06	8.97E-05	5.04E-05	1.15E-02	1.18E-02	6.39E-02	8.18E-03	1.73E-03	8.56E-02	1.18E-02	7.32E-06	8.97E-05	5.04E-05	1.19E-02
1721	494661.06	3858951.99	1.11E-02	6.13E-06	8.85E-05	4.98E-05	1.13E-02	1.16E-02	6.26E-02	8.07E-03	1.70E-03	8.40E-02	1.16E-02	7.17E-06	8.85E-05	4.98E-05	1.18E-02
1722	494711.06	3858951.99	1.09E-02	5.96E-06	8.67E-05	4.90E-05	1.10E-02	1.14E-02	6.09E-02	7.91E-03	1.67E-03	8.19E-02	1.13E-02	6.98E-06	8.67E-05	4.90E-05	1.15E-02
1723	494761.06	3858951.99	1.07E-02	5.84E-06	8.54E-05	4.84E-05	1.08E-02	1.12E-02	5.97E-02	7.79E-03	1.65E-03	8.03E-02	1.12E-02	6.83E-06	8.54E-05	4.84E-05	1.13E-02
1724	494811.06	3858951.99	1.06E-02	5.75E-06	8.45E-05	4.78E-05	1.07E-02	1.11E-02	5.88E-02	7.70E-03	1.64E-03	7.92E-02	1.10E-02	6.73E-06	8.45E-05	4.78E-05	1.12E-02
1725	494861.06	3858951.99	1.05E-02	5.66E-06	8.35E-05	4.73E-05	1.06E-02	1.09E-02	5.79E-02	7.61E-03	1.62E-03	7.80E-02	1.09E-02	6.63E-06	8.35E-05	4.73E-05	1.10E-02
1726	494911.06	3858951.99	1.03E-02	5.54E-06	8.20E-05	4.67E-05	1.04E-02	1.07E-02	5.66E-02	7.48E-03	1.60E-03	7.64E-02	1.07E-02	6.49E-06	8.20E-05	4.67E-05	1.08E-02
1727	494961.06	3858951.99	1.02E-02	5.48E-06	8.12E-05	4.62E-05	1.03E-02	1.06E-02	5.59E-02	7.41E-03	1.58E-03	7.56E-02	1.06E-02	6.41E-06	8.12E-05	4.62E-05	1.07E-02
1728	495011.06	3858951.99	9.88E-03	5.31E-06	7.89E-05	4.54E-05	1.00E-02	1.03E-02	5.42E-02	7.19E-03	1.55E-03	7.33E-02	1.03E-02	6.21E-06	7.89E-05	4.54E-05	1.04E-02
1729	495061.06	3858951.99	9.59E-03	5.15E-06	7.67E-05	4.46E-05	9.72E-03	1.00E-02	5.26E-02	6.99E-03	1.53E-03	7.11E-02	9.99E-03	6.02E-06	7.67E-05	4.46E-05	1.01E-02
1730	495111.06	3858951.99	9.37E-03	5.02E-06	7.51E-05	4.40E-05	9.50E-03	9.78E-03	5.13E-02	6.84E-03	1.50E-03	6.95E-02	9.76E-03	5.88E-06	7.51E-05	4.40E-05	9.88E-03
1731	495161.06	3858951.99	9.49E-03	5.05E-06	7.58E-05	4.40E-05	9.62E-03	9.90E-03	5.16E-02	6.91E-03	1.50E-03	6.99E-02	9.88E-03	5.91E-06	7.58E-05	4.40E-05	1.00E-02
1732	495211.06	3858951.99	9.49E-03	5.03E-06	7.56E-05	4.37E-05	9.62E-03	9.91E-03	5.14E-02	6.90E-03	1.50E-03	6.97E-02	9.89E-03	5.88E-06	7.56E-05	4.37E-05	1.00E-02
1733	495261.06	3858951.99	9.49E-03	5.00E-06	7.55E-05	4.35E-05	9.62E-03	9.90E-03	5.11E-02	6.89E-03	1.49E-03	6.94E-02	9.89E-03	5.86E-06	7.55E-05	4.35E-05	1.00E-02
1734	495311.06	3858951.99	9.39E-03	4.94E-06	7.47E-05	4.31E-05	9.52E-03	9.80E-03	5.05E-02	6.81E-03	1.47E-03	6.85E-02	9.78E-03	5.78E-06	7.47E-05	4.31E-05	9.91E-03
1735	495361.06	3858951.99	9.41E-03	4.92E-06	7.47E-05	4.29E-05	9.53E-03	9.81E-03	5.03E-02	6.81E-03	1.47E-03	6.84E-02	9.79E-03	5.76E-06	7.47E-05	4.29E-05	9.92E-03
1736	495411.06	3858951.99	9.43E-03	4.91E-06	7.47E-05	4.27E-05	9.56E-03	9.84E-03	5.02E-02	6.82E-03	1.46E-03	6.83E-02	9.83E-03	5.75E-06	7.47E-05	4.27E-05	9.95E-03
1737	495461.06	3858951.99	9.40E-03	4.87E-06	7.44E-05	4.25E-05	9.52E-03	9.81E-03	4.98E-02	6.78E-03	1.45E-03	6.78E-02	9.79E-03	5.70E-06	7.44E-05	4.25E-05	9.91E-03
1738	495511.06	3858951.99	9.40E-03	4.85E-06	7.43E-05	4.23E-05	9.53E-03	9.81E-03	4.96E-02	6.77E-03	1.45E-03	6.76E-02	9.79E-03	5.68E-06	7.43E-05	4.23E-05	9.92E-03
1739	495561.06	3858951.99	9.25E-03	4.76E-06	7.31E-05	4.18E-05	9.37E-03	9.65E-03	4.87E-02	6.66E-03	1.43E-03	6.64E-02	9.63E-03	5.57E-06	7.31E-05	4.18E-05	9.75E-03
1740	495611.06	3858951.99	9.16E-03	4.71E-06	7.24E-05	4.14E-05	9.28E-03	9.56E-03	4.81E-02	6.60E-03	1.42E-03	6.57E-02	9.54E-03	5.51E-06	7.24E-05	4.14E-05	9.66E-03
1741	495661.06	3858951.99	9.17E-03	4.69E-06	7.23E-05	4.12E-05	9.29E-03	9.57E-03	4.79E-02	6.59E-03	1.41E-03	6.55E-02	9.55E-03	5.49E-06	7.23E-05	4.12E-05	9.67E-03
1742	494311.06	3859001.99	1.18E-02	6.85E-06	9.36E-05	5.44E-05	1.20E-02	1.23E-02	7.00E-02	8.53E-03	1.86E-03	9.27E-02	1.23E-02	8.02E-06	9.36E-05	5.44E-05	1.25E-02
1743	494361.06	3859001.99	1.18E-02	6.82E-06	9.27E-05	5.39E-05	1.20E-02	1.23E-02	6.97E-02	8.46E-03	1.84E-03	9.23E-02	1.23E-02	7.98E-06	9.27E-05	5.39E-05	1.25E-02
1744	494411.06	3859001.99	1.18E-02	6.79E-06	9.00E-05	5.28E-05	1.19E-02	1.23E-02	6.94E-02	8.21E-03	1.81E-03	9.16E-02	1.22E-02	7.94E-06	9.00E-05	5.28E-05	1.24E-02
1745	494461.06	3859001.99	1.17E-02	6.73E-06	8.97E-05	5.24E-05	1.19E-02	1.22E-02	6.88E-02	8.18E-03	1.79E-03	9.09E-02	1.22E-02	7.87E-06	8.97E-05	5.24E-05	1.23E-02
1746	494511.06	3859001.99	1.17E-02	6.67E-06	8.94E-05	5.20E-05	1.18E-02	1.22E-02	6.81E-02	8.15E-03	1.78E-03	9.02E-02	1.21E-02	7.80E-06	8.94E-05	5.20E-05	1.23E-02
1747	494561.06	3859001.99	1.15E-02	6.53E-06	8.85E-05	5.13E-05	1.16E-02	1.20E-02	6.67E-02	8.07E-03	1.75E-03	8.86E-02	1.20E-02	7.64E-06	8.85E-05	5.13E-05	1.21E-02
1748	494611.06	3859001.99	1.13E-02	6.41E-06	8.76E-05	5.07E-05	1.15E-02	1.18E-02	6.55E-02	7.99E-03	1.73E-03	8.70E-02	1.18E-02	7.50E-06	8.76E-05	5.07E-05	1.19E-02
1749	494661.06	3859001.99	1.11E-02	6.26E-06	8.65E-05	4.99E-05	1.13E-02	1.16E-02	6.40E-02	7.89E-03	1.71E-03	8.52E-02	1.16E-02	7.33E-06	8.65E-05	4.99E-05	1.17E-02
1750	494711.06	3859001.99	1.09E-02	6.09E-06	8.50E-05	4.91E-05	1.10E-02	1.14E-02	6.22E-02	7.75E-03	1.68E-03	8.30E-02	1.14E-02	7.13E-06	8.50E-05	4.91E-05	1.15E-02
1751	494761.06	3859001.99	1.08E-02	5.99E-06	8.40E-05	4.85E-05	1.09E-02	1.12E-02	6.12E-02	7.66E-03	1.66E-03	8.17E-02	1.12E-02	7.00E-06	8.40E-05	4.85E-05	1.13E-02
1752	494811.06	3859001.99	1.07E-02	5.92E-06	8.35E-05	4.81E-05	1.08E-02	1.11E-02	6.05E-02	7.61E-03	1.64E-03	8.09E-02	1.11E-02	6.92E-06	8.35E-05	4.81E-05	1.13E-02
1753	494861.06	3859001.99	1.05E-02	5.81E-06	8.24E-05	4.75E-05	1.07E-02	1.10E-02	5.93E-02	7.51E-03	1.62E-03	7.94E-02	1.10E-02	6.79E-06	8.24E-05	4.75E-05	1.11E-02
1754	494911.06	3859001.99	1.04E-02	5.69E-06	8.12E-05	4.69E-05	1.05E-02	1.08E-02	5.81E-02	7.40E-03	1.60E-03	7.80E-02	1.08E-02	6.66E-06	8.12E-05	4.69E-05	1.09E-02
1755	494961.06	3859001.99	1.02E-02	5.57E-06	7.99E-05	4.63E-05	1.03E-02	1.06E-02	5.70E-02	7.29E-03	1.58E-03	7.65E-02	1.06E-02	6.52E-06	7.99E-05	4.63E-05	1.07E-02
1756	495011.06	3859001.99	9.68E-03	5.31E-06	7.63E-05	4.50E-05	9.81E-03	1.01E-02	5.42E-02	6.96E-03	1.54E-03	7.28E-02	1.01E-02	6.21E-06	7.63E-05	4.50E-05	1.02E-02
1757	495061.06	3859001.99	9.60E-03	5.24E-06	7.56E-05	4.46E-05	9.73E-03	1.00E-02	5.35E-02	6.90E-03	1.53E-03	7.20E-02	1.00E-02	6.13E-06	7.56E-05	4.46E-05	1.01E-02
1758	495111.06	3859001.99	9.40E-03	5.12E-06	7.41E-05	4.40E-05	9.52E-03	9.81E-03	5.23E-02	6.76E-03	1.50E-03	7.04E-02	9.79E-03	5.99E-06	7.41E-05	4.40E-05	9.91E-03
1759	495161.06	3859001.99	9.58E-03	5.18E-06	7.53E-05	4.41E-05	9.71E-03	1.00E-02	5.29E-02	6.87E-03	1.51E-03	7.13E-02	9.98E-03	6.06E-06	7.53E-05	4.41E-05	1.01E-02
1760	495211.06	3859001.99	9.55E-03	5.14E-06	7.50E-05	4.38E-05	9.68E-03	9.97E-03	5.25E-02	6.84E-03	1.50E-03	7.08E-02	9.95E-03	6.02E-06	7.50E-05	4.38E-05	1.01E-02
1761	495261.06	3859001.99	9.57E-03	5.12E-06	7.50E-05	4.36E-05	9.69E-03	9.98E-03	5.23E-02	6.84E-03	1.49E-03	7.07E-02	9.96E-03	5.99E-06	7.50E-05	4.36E-05	1.01E-02
1762	495311.06	3859001.99	9.52E-03	5.08E-06	7.47E-05	4.33E-05	9.65E-03	9.94E-03	5.19E-02	6.81E-03	1.48E-03	7.01E-02	9.92E-03	5.94E-06	7.47E-05	4.33E-05	1.00E-02
1763	495361.06	3859001.99	9.53E-03	5.06E-06	7.46E-05	4.31E-05	9.65E-03	9.95E-03	5.17E-02	6.80E-03	1.47E-03	6.99E-02	9.93E-03	5.92E-06	7.46E-05	4.31E-05	1.00E-02
1764	495411.06	3859001.99	9.51E-03	5.03E-06	7.44E-05	4.28E-05	9.63E-03	9.92E-03	5.14E-02	6.78E-03	1.46E-03	6.95E-02	9.91E-03	5.88E-06	7.44E-05	4.28E-05	1.00E-02
1765	495461.06	3859001.99	9.50E-03	5.00E-06	7.42E-05	4.26E-05	9.63E-03	9.92E-03	5.11E-02	6.77E-03	1.46E-03	6.92E-02	9.90E-03	5.85E-06	7.42E-05	4.26E-05	1.00E-02

1766	495511.06	3859001.99	9.39E-03	4.93E-06	7.34E-05	4.22E-05	9.51E-03	9.80E-03	5.03E-02	6.69E-03	1.44E-03	6.83E-02	9.78E-03	5.76E-06	7.34E-05	4.22E-05	9.90E-03
1767	495561.06	3859001.99	9.33E-03	4.88E-06	7.29E-05	4.18E-05	9.45E-03	9.74E-03	4.98E-02	6.65E-03	1.43E-03	6.76E-02	9.72E-03	5.71E-06	7.29E-05	4.18E-05	9.84E-03
1768	495611.06	3859001.99	9.27E-03	4.83E-06	7.23E-05	4.15E-05	9.38E-03	9.67E-03	4.93E-02	6.59E-03	1.42E-03	6.70E-02	9.65E-03	5.65E-06	7.23E-05	4.15E-05	9.77E-03
1769	495661.06	3859001.99	9.33E-03	4.83E-06	7.27E-05	4.14E-05	9.45E-03	9.74E-03	4.94E-02	6.63E-03	1.42E-03	6.72E-02	9.72E-03	5.66E-06	7.27E-05	4.14E-05	9.84E-03
1770	494311.06	3859051.99	1.19E-02	7.09E-06	9.04E-05	5.48E-05	1.21E-02	1.24E-02	7.24E-02	8.24E-03	1.87E-03	9.50E-02	1.24E-02	8.30E-06	9.04E-05	5.48E-05	1.26E-02
1771	494361.06	3859051.99	1.19E-02	7.08E-06	8.77E-05	5.36E-05	1.20E-02	1.24E-02	7.23E-02	8.00E-03	1.83E-03	9.46E-02	1.24E-02	8.28E-06	8.77E-05	5.36E-05	1.25E-02
1772	494411.06	3859051.99	1.18E-02	7.00E-06	8.74E-05	5.31E-05	1.20E-02	1.23E-02	7.15E-02	7.97E-03	1.82E-03	9.36E-02	1.23E-02	8.18E-06	8.74E-05	5.31E-05	1.25E-02
1773	494461.06	3859051.99	1.17E-02	6.90E-06	8.70E-05	5.26E-05	1.19E-02	1.22E-02	7.05E-02	7.93E-03	1.80E-03	9.24E-02	1.22E-02	8.07E-06	8.70E-05	5.26E-05	1.23E-02
1774	494511.06	3859051.99	1.16E-02	6.78E-06	8.64E-05	5.20E-05	1.17E-02	1.21E-02	6.93E-02	7.88E-03	1.78E-03	9.10E-02	1.21E-02	7.93E-06	8.64E-05	5.20E-05	1.22E-02
1775	494561.06	3859051.99	1.15E-02	6.68E-06	8.59E-05	5.14E-05	1.16E-02	1.20E-02	6.82E-02	7.83E-03	1.76E-03	8.98E-02	1.20E-02	7.81E-06	8.59E-05	5.14E-05	1.21E-02
1776	494611.06	3859051.99	1.13E-02	6.54E-06	8.52E-05	5.08E-05	1.15E-02	1.18E-02	6.69E-02	7.77E-03	1.74E-03	8.82E-02	1.18E-02	7.66E-06	8.52E-05	5.08E-05	1.19E-02
1777	494661.06	3859051.99	1.12E-02	6.41E-06	8.43E-05	5.01E-05	1.13E-02	1.16E-02	6.54E-02	7.69E-03	1.71E-03	8.65E-02	1.16E-02	7.49E-06	8.43E-05	5.01E-05	1.18E-02
1778	494711.06	3859051.99	1.10E-02	6.28E-06	8.34E-05	4.94E-05	1.11E-02	1.15E-02	6.41E-02	7.61E-03	1.69E-03	8.49E-02	1.14E-02	7.34E-06	8.34E-05	4.94E-05	1.16E-02
1779	494761.06	3859051.99	1.08E-02	6.15E-06	8.24E-05	4.87E-05	1.10E-02	1.13E-02	6.28E-02	7.52E-03	1.67E-03	8.33E-02	1.13E-02	7.19E-06	8.24E-05	4.87E-05	1.14E-02
1780	494811.06	3859051.99	1.07E-02	6.05E-06	8.17E-05	4.82E-05	1.08E-02	1.12E-02	6.18E-02	7.45E-03	1.65E-03	8.21E-02	1.11E-02	7.08E-06	8.17E-05	4.82E-05	1.13E-02
1781	494861.06	3859051.99	1.06E-02	5.95E-06	8.09E-05	4.76E-05	1.07E-02	1.10E-02	6.08E-02	7.38E-03	1.63E-03	8.08E-02	1.10E-02	6.96E-06	8.09E-05	4.76E-05	1.12E-02
1782	494911.06	3859051.99	1.04E-02	5.81E-06	7.96E-05	4.69E-05	1.05E-02	1.08E-02	5.93E-02	7.26E-03	1.61E-03	7.90E-02	1.08E-02	6.80E-06	7.96E-05	4.69E-05	1.09E-02
1783	494961.06	3859051.99	1.01E-02	5.61E-06	7.75E-05	4.60E-05	1.02E-02	1.05E-02	5.74E-02	7.07E-03	1.57E-03	7.65E-02	1.05E-02	6.57E-06	7.75E-05	4.60E-05	1.06E-02
1784	495011.06	3859051.99	9.83E-03	5.47E-06	7.59E-05	4.53E-05	9.96E-03	1.03E-02	5.59E-02	6.92E-03	1.55E-03	7.46E-02	1.02E-02	6.40E-06	7.59E-05	4.53E-05	1.04E-02
1785	495061.06	3859051.99	9.68E-03	5.37E-06	7.48E-05	4.47E-05	9.81E-03	1.01E-02	5.48E-02	6.83E-03	1.53E-03	7.33E-02	1.01E-02	6.28E-06	7.48E-05	4.47E-05	1.02E-02
1786	495111.06	3859051.99	9.61E-03	5.31E-06	7.43E-05	4.43E-05	9.74E-03	1.00E-02	5.42E-02	6.78E-03	1.52E-03	7.25E-02	1.00E-02	6.21E-06	7.43E-05	4.43E-05	1.01E-02
1787	495161.06	3859051.99	9.71E-03	5.33E-06	7.49E-05	4.43E-05	9.83E-03	1.01E-02	5.44E-02	6.83E-03	1.51E-03	7.29E-02	1.01E-02	6.23E-06	7.49E-05	4.43E-05	1.02E-02
1788	495211.06	3859051.99	9.61E-03	5.26E-06	7.42E-05	4.39E-05	9.74E-03	1.00E-02	5.37E-02	6.77E-03	1.50E-03	7.20E-02	1.00E-02	6.15E-06	7.42E-05	4.39E-05	1.01E-02
1789	495261.06	3859051.99	9.66E-03	5.26E-06	7.45E-05	4.37E-05	9.79E-03	1.01E-02	5.37E-02	6.80E-03	1.49E-03	7.21E-02	1.01E-02	6.15E-06	7.45E-05	4.37E-05	1.02E-02
1790	495311.06	3859051.99	9.61E-03	5.20E-06	7.41E-05	4.34E-05	9.73E-03	1.00E-02	5.32E-02	6.76E-03	1.48E-03	7.14E-02	1.00E-02	6.09E-06	7.41E-05	4.34E-05	1.01E-02
1791	495361.06	3859051.99	9.60E-03	5.17E-06	7.39E-05	4.31E-05	9.72E-03	1.00E-02	5.29E-02	6.74E-03	1.47E-03	7.11E-02	9.99E-03	6.05E-06	7.39E-05	4.31E-05	1.01E-02
1792	495411.06	3859051.99	9.61E-03	5.16E-06	7.40E-05	4.29E-05	9.73E-03	1.00E-02	5.27E-02	6.75E-03	1.47E-03	7.09E-02	1.00E-02	6.03E-06	7.40E-05	4.29E-05	1.01E-02
1793	495461.06	3859051.99	9.62E-03	5.14E-06	7.40E-05	4.27E-05	9.74E-03	1.00E-02	5.25E-02	6.75E-03	1.46E-03	7.08E-02	1.00E-02	6.01E-06	7.40E-05	4.27E-05	1.01E-02
1794	495511.06	3859051.99	9.51E-03	5.06E-06	7.32E-05	4.23E-05	9.63E-03	9.92E-03	5.17E-02	6.67E-03	1.45E-03	6.97E-02	9.90E-03	5.92E-06	7.32E-05	4.23E-05	1.00E-02
1795	495561.06	3859051.99	9.42E-03	5.00E-06	7.25E-05	4.19E-05	9.54E-03	9.83E-03	5.11E-02	6.61E-03	1.43E-03	6.89E-02	9.81E-03	5.85E-06	7.25E-05	4.19E-05	9.93E-03
1796	495611.06	3859051.99	9.35E-03	4.94E-06	7.19E-05	4.15E-05	9.47E-03	9.76E-03	5.05E-02	6.56E-03	1.42E-03	6.82E-02	9.74E-03	5.78E-06	7.19E-05	4.15E-05	9.86E-03
1797	495661.06	3859051.99	9.40E-03	4.95E-06	7.23E-05	4.14E-05	9.52E-03	9.81E-03	5.05E-02	6.59E-03	1.42E-03	6.83E-02	9.79E-03	5.79E-06	7.23E-05	4.14E-05	9.91E-03
1798	494311.06	3859101.99	1.20E-02	7.35E-06	8.52E-05	5.42E-05	1.21E-02	1.25E-02	7.51E-02	7.77E-03	1.85E-03	9.72E-02	1.25E-02	8.60E-06	8.52E-05	5.42E-05	1.26E-02
1799	494361.06	3859101.99	1.19E-02	7.27E-06	8.49E-05	5.37E-05	1.21E-02	1.24E-02	7.43E-02	7.74E-03	1.84E-03	9.63E-02	1.24E-02	8.51E-06	8.49E-05	5.37E-05	1.25E-02
1800	494411.06	3859101.99	1.19E-02	7.21E-06	8.47E-05	5.33E-05	1.20E-02	1.24E-02	7.36E-02	7.72E-03	1.82E-03	9.55E-02	1.23E-02	8.43E-06	8.47E-05	5.33E-05	1.25E-02
1801	494461.06	3859101.99	1.18E-02	7.10E-06	8.43E-05	5.28E-05	1.19E-02	1.23E-02	7.25E-02	7.69E-03	1.80E-03	9.43E-02	1.22E-02	8.31E-06	8.43E-05	5.28E-05	1.24E-02
1802	494511.06	3859101.99	1.16E-02	6.96E-06	8.38E-05	5.21E-05	1.17E-02	1.21E-02	7.11E-02	7.64E-03	1.78E-03	9.26E-02	1.21E-02	8.14E-06	8.38E-05	5.21E-05	1.22E-02
1803	494561.06	3859101.99	1.15E-02	6.84E-06	8.33E-05	5.15E-05	1.16E-02	1.20E-02	6.99E-02	7.60E-03	1.76E-03	9.12E-02	1.20E-02	8.00E-06	8.33E-05	5.15E-05	1.21E-02
1804	494611.06	3859101.99	1.13E-02	6.67E-06	8.26E-05	5.07E-05	1.14E-02	1.18E-02	6.82E-02	7.53E-03	1.74E-03	8.92E-02	1.18E-02	7.80E-06	8.26E-05	5.07E-05	1.19E-02
1805	494661.06	3859101.99	1.12E-02	6.56E-06	8.20E-05	5.02E-05	1.13E-02	1.17E-02	6.70E-02	7.48E-03	1.72E-03	8.79E-02	1.16E-02	7.68E-06	8.20E-05	5.02E-05	1.18E-02
1806	494711.06	3859101.99	1.10E-02	6.38E-06	8.10E-05	4.93E-05	1.11E-02	1.14E-02	6.52E-02	7.39E-03	1.69E-03	8.57E-02	1.14E-02	7.46E-06	8.10E-05	4.93E-05	1.15E-02
1807	494761.06	3859101.99	1.09E-02	6.32E-06	8.07E-05	4.89E-05	1.10E-02	1.14E-02	6.46E-02	7.36E-03	1.67E-03	8.50E-02	1.13E-02	7.40E-06	8.07E-05	4.89E-05	1.15E-02
1808	494811.06	3859101.99	1.08E-02	6.20E-06	7.99E-05	4.83E-05	1.09E-02	1.12E-02	6.34E-02	7.29E-03	1.65E-03	8.35E-02	1.12E-02	7.25E-06	7.99E-05	4.83E-05	1.13E-02
1809	494861.06	3859101.99	1.06E-02	6.09E-06	7.92E-05	4.77E-05	1.08E-02	1.11E-02	6.23E-02	7.22E-03	1.63E-03	8.22E-02	1.11E-02	7.13E-06	7.92E-05	4.77E-05	1.12E-02
1810	494911.06	3859101.99	1.04E-02	5.94E-06	7.81E-05	4.70E-05	1.06E-02	1.09E-02	6.07E-02	7.12E-03	1.61E-03	8.03E-02	1.09E-02	6.95E-06	7.81E-05	4.70E-05	1.10E-02
1811	494961.06	3859101.99	1.01E-02	5.73E-06	7.61E-05	4.60E-05	1.02E-02	1.05E-02	5.85E-02	6.94E-03	1.57E-03	7.76E-02	1.05E-02	6.70E-06	7.61E-05	4.60E-05	1.06E-02
1812	495011.06	3859101.99	9.75E-03	5.52E-06	7.38E-05	4.50E-05	9.87E-03	1.02E-02	5.64E-02	6.73E-03	1.54E-03	7.48E-02	1.02E-02	6.45E-06	7.38E-05	4.50E-05	1.03E-02
1813	495061.06	3859101.99	9.77E-03	5.50E-06	7.39E-05	4.48E-05	9.89E-03	1.02E-02	5.62E-02	6.74E-03	1.53E-03	7.47E-02	1.02E-02	6.44E-06	7.39E-05	4.48E-05	1.03E-02
1814	495111.06	3859101.99	9.68E-03	5.43E-06	7.34E-05	4.44E-05	9.81E-03	1.01E-02	5.55E-02	6.69E-03	1.52E-03	7.38E-02	1.01E-02	6.35E-06	7.34E-05	4.44E-05	1.02E-02
1815	495161.06	3859101.99	9.77E-03	5.45E-06	7.39E-05	4.43E-05	9.89E-03	1.02E-02	5.57E-02	6.74E-03	1.52E-03	7.41E-02	1.02E-02	6.38E-06	7.39E-05	4.43E-05	1.03E-02
1816	495211.06	3859101.99	9.70E-03	5.39E-06	7.34E-05	4.40E-05	9.82E-03	1.01E-02	5.50E-02	6.69E-03	1.50E-03	7.33E-02	1.01E-02	6.30E-06	7.34E-05	4.40E-05	1.02E-02
1817	495261.06	3859101.99	9.71E-03	5.37E-06	7.35E-05	4.37E-05	9.84E-03	1.01E-02	5.49E-02	6.70E-03	1.50E-03	7.32E-02	1.01E-02	6.29E-06	7.35E-05	4.37E-05	1.02E-02
1818	495311.06	3859101.99	9.72E-03	5.33E-06	7.39E-05	4.36E-05	9.84E-03	1.01E-02	5.45E-02	6.74E-03	1.49E-03	7.28E-02	1.01E-02	6.24E-06	7.39E-05	4.36E-05	1.02E-02
1819	495361.06	3859101.99	9.72E-03	5.33E-06	7.35E-05	4.33E-05	9.84E-03	1.01E-02	5.44E-02	6.70E-03	1.48E-03	7.27E-02	1.01E-02	6.23E-06	7.35E-05	4.33E-05	1.02E-02
1820	495411.06	3859101.99	9.71E-03	5.30E-06	7.34E-05	4.31E-05	9.83E-03	1.01E-02	5.41E-02	6.70E-03	1.47E-03	7.24E-02	1.01E-02	6.20E-06	7.34E-05	4.31E-05	1.02E-02
1821	495461.06	3859101.99	9.68E-03	5.24E-06	7.37E-05	4.29E-05	9.81E-03	1.01E-02	5.36E-02	6.72E-03	1.47E-03	7.19E-02	1.01E-02	6.13E-06	7.37E-05	4.29E-05	1.02E-02
1822	495511.06	3859101.99	9.65E-03	5.20E-06	7.35E-05	4.26E-05	9.77E-03	1.01E-02	5.32E-02	6.70E-03	1.46E-03	7.14E-02	1.01E-02	6.09E-06	7.35E-05	4.26E-05	1.02E-02
1823	495561.06	3859101.99	9.54E-03	5.14E-06	7.22E-05	4.21E-05	9.66E-03	9.96E-03	5.25E-02	6.59E-03	1.44E-03	7.05E-02	9.94E-03	6.01E-06	7.22E-05	4.21E-05	1.01E-02
1824	495611.06	3859101.99	9.45E-03	5.07E-06	7.16E-05	4.17E-05	9.57E-03	9.86E-03	5.18E-02	6.53E-03	1.42E-03	6.97E-02	9.85E-03	5.94E-06	7.16E-05	4.17E-05	9.96E-03
1825	495661.06	3859101.99	9.46E-03	5.06E-06	7.16E-05	4.15E-05	9.58E-03	9.87E-03	5.17E-02	6.53E-03	1.42E-03	6.95E-02	9.86E-03	5.91E-06	7.16E-05	4.15E-05	9.97E-03
1826	494311.06	3859151.99	1.20E-02	7.57E-06	8.24E-05	5.42E-05	1.21E-02	1.25E-02	7.73E-02	7.51E-03	1.85E-03	9.92E-02	1.25E-02	8.85E-06	8.24E-05	5.42E-05	1.26E-02

1827	494361.06	3859151.99	1.19E-02	7.51E-06	8.21E-05	5.38E-05	1.21E-02	1.25E-02	7.67E-02	7.49E-03	1.84E-03	9.85E-02	1.24E-02	8.78E-06	8.21E-05	5.38E-05	1.26E-02
1828	494411.06	3859151.99	1.18E-02	7.38E-06	8.19E-05	5.33E-05	1.20E-02	1.23E-02	7.54E-02	7.47E-03	1.82E-03	9.70E-02	1.23E-02	8.64E-06	8.19E-05	5.33E-05	1.25E-02
1829	494461.06	3859151.99	1.17E-02	7.25E-06	8.16E-05	5.27E-05	1.19E-02	1.22E-02	7.41E-02	7.44E-03	1.80E-03	9.56E-02	1.22E-02	8.49E-06	8.16E-05	5.27E-05	1.23E-02
1830	494511.06	3859151.99	1.16E-02	7.09E-06	8.11E-05	5.20E-05	1.17E-02	1.21E-02	7.25E-02	7.40E-03	1.78E-03	9.37E-02	1.20E-02	8.30E-06	8.11E-05	5.20E-05	1.22E-02
1831	494561.06	3859151.99	1.15E-02	6.99E-06	8.08E-05	5.15E-05	1.16E-02	1.20E-02	7.14E-02	7.37E-03	1.76E-03	9.25E-02	1.19E-02	8.18E-06	8.08E-05	5.15E-05	1.21E-02
1832	494611.06	3859151.99	1.13E-02	6.84E-06	8.03E-05	5.08E-05	1.14E-02	1.18E-02	6.99E-02	7.32E-03	1.74E-03	9.07E-02	1.18E-02	8.00E-06	8.03E-05	5.08E-05	1.19E-02
1833	494661.06	3859151.99	1.12E-02	6.73E-06	7.99E-05	5.03E-05	1.13E-02	1.17E-02	6.88E-02	7.28E-03	1.72E-03	8.95E-02	1.17E-02	7.88E-06	7.99E-05	5.03E-05	1.18E-02
1834	494711.06	3859151.99	1.11E-02	6.64E-06	7.95E-05	4.98E-05	1.13E-02	1.16E-02	6.79E-02	7.25E-03	1.70E-03	8.84E-02	1.16E-02	7.77E-06	7.95E-05	4.98E-05	1.17E-02
1835	494761.06	3859151.99	1.09E-02	6.47E-06	7.87E-05	4.90E-05	1.11E-02	1.14E-02	6.61E-02	7.17E-03	1.68E-03	8.64E-02	1.14E-02	7.57E-06	7.87E-05	4.90E-05	1.15E-02
1836	494811.06	3859151.99	1.08E-02	6.33E-06	7.79E-05	4.83E-05	1.09E-02	1.12E-02	6.47E-02	7.10E-03	1.65E-03	8.46E-02	1.12E-02	7.40E-06	7.79E-05	4.83E-05	1.13E-02
1837	494861.06	3859151.99	1.07E-02	6.23E-06	7.74E-05	4.78E-05	1.08E-02	1.11E-02	6.37E-02	7.06E-03	1.63E-03	8.35E-02	1.11E-02	7.29E-06	7.74E-05	4.78E-05	1.12E-02
1838	494911.06	3859151.99	1.04E-02	6.07E-06	7.63E-05	4.70E-05	1.06E-02	1.09E-02	6.20E-02	6.96E-03	1.61E-03	8.14E-02	1.09E-02	7.10E-06	7.63E-05	4.70E-05	1.10E-02
1839	494961.06	3859151.99	1.02E-02	5.84E-06	7.50E-05	4.62E-05	1.03E-02	1.06E-02	5.97E-02	6.84E-03	1.58E-03	7.87E-02	1.06E-02	6.83E-06	7.50E-05	4.62E-05	1.07E-02
1840	495011.06	3859151.99	9.83E-03	5.65E-06	7.27E-05	4.51E-05	9.95E-03	1.03E-02	5.77E-02	6.63E-03	1.54E-03	7.62E-02	1.02E-02	6.61E-06	7.27E-05	4.51E-05	1.04E-02
1841	495061.06	3859151.99	9.81E-03	5.62E-06	7.26E-05	4.48E-05	9.94E-03	1.02E-02	5.74E-02	6.62E-03	1.53E-03	7.58E-02	1.02E-02	6.57E-06	7.26E-05	4.48E-05	1.03E-02
1842	495111.06	3859151.99	9.77E-03	5.57E-06	7.24E-05	4.45E-05	9.89E-03	1.02E-02	5.69E-02	6.60E-03	1.52E-03	7.52E-02	1.02E-02	6.51E-06	7.24E-05	4.45E-05	1.03E-02
1843	495161.06	3859151.99	9.85E-03	5.59E-06	7.28E-05	4.44E-05	9.97E-03	1.03E-02	5.71E-02	6.64E-03	1.52E-03	7.55E-02	1.03E-02	6.54E-06	7.28E-05	4.44E-05	1.04E-02
1844	495211.06	3859151.99	9.81E-03	5.54E-06	7.27E-05	4.41E-05	9.94E-03	1.02E-02	5.66E-02	6.63E-03	1.51E-03	7.50E-02	1.02E-02	6.49E-06	7.27E-05	4.41E-05	1.03E-02
1845	495261.06	3859151.99	9.79E-03	5.50E-06	7.25E-05	4.38E-05	9.91E-03	1.02E-02	5.62E-02	6.61E-03	1.50E-03	7.45E-02	1.02E-02	6.44E-06	7.25E-05	4.38E-05	1.03E-02
1846	495311.06	3859151.99	9.77E-03	5.47E-06	7.24E-05	4.35E-05	9.89E-03	1.02E-02	5.59E-02	6.60E-03	1.49E-03	7.42E-02	1.02E-02	6.40E-06	7.24E-05	4.35E-05	1.03E-02
1847	495361.06	3859151.99	9.75E-03	5.43E-06	7.22E-05	4.32E-05	9.87E-03	1.02E-02	5.55E-02	6.59E-03	1.48E-03	7.37E-02	1.02E-02	6.36E-06	7.22E-05	4.32E-05	1.03E-02
1848	495411.06	3859151.99	9.81E-03	5.45E-06	7.26E-05	4.32E-05	9.93E-03	1.02E-02	5.56E-02	6.62E-03	1.48E-03	7.40E-02	1.02E-02	6.37E-06	7.26E-05	4.32E-05	1.03E-02
1849	495461.06	3859151.99	9.79E-03	5.41E-06	7.25E-05	4.29E-05	9.91E-03	1.02E-02	5.53E-02	6.61E-03	1.47E-03	7.36E-02	1.02E-02	6.33E-06	7.25E-05	4.29E-05	1.03E-02
1850	495511.06	3859151.99	9.69E-03	5.33E-06	7.19E-05	4.25E-05	9.81E-03	1.01E-02	5.45E-02	6.55E-03	1.45E-03	7.26E-02	1.01E-02	6.24E-06	7.19E-05	4.25E-05	1.02E-02
1851	495561.06	3859151.99	9.63E-03	5.28E-06	7.15E-05	4.21E-05	9.75E-03	1.00E-02	5.39E-02	6.52E-03	1.44E-03	7.19E-02	1.00E-02	6.17E-06	7.15E-05	4.21E-05	1.01E-02
1852	495611.06	3859151.99	9.58E-03	5.22E-06	7.11E-05	4.18E-05	9.70E-03	9.99E-03	5.34E-02	6.48E-03	1.43E-03	7.13E-02	9.97E-03	6.11E-06	7.11E-05	4.18E-05	1.01E-02
1853	495661.06	3859151.99	9.54E-03	5.18E-06	7.08E-05	4.15E-05	9.65E-03	9.95E-03	5.29E-02	6.46E-03	1.42E-03	7.07E-02	9.93E-03	6.06E-06	7.08E-05	4.15E-05	1.00E-02
1854	494311.06	3859201.99	1.20E-02	7.78E-06	7.96E-05	5.41E-05	1.21E-02	1.25E-02	7.94E-02	7.26E-03	1.85E-03	1.01E-01	1.25E-02	9.10E-06	7.96E-05	5.41E-05	1.26E-02
1855	494361.06	3859201.99	1.19E-02	7.69E-06	7.93E-05	5.36E-05	1.20E-02	1.24E-02	7.85E-02	7.24E-03	1.83E-03	1.00E-01	1.24E-02	8.99E-06	7.93E-05	5.36E-05	1.25E-02
1856	494411.06	3859201.99	1.18E-02	7.57E-06	7.91E-05	5.31E-05	1.19E-02	1.23E-02	7.74E-02	7.22E-03	1.82E-03	9.87E-02	1.23E-02	8.86E-06	7.91E-05	5.31E-05	1.24E-02
1857	494461.06	3859201.99	1.17E-02	7.41E-06	7.89E-05	5.25E-05	1.18E-02	1.22E-02	7.57E-02	7.20E-03	1.80E-03	9.69E-02	1.22E-02	8.67E-06	7.89E-05	5.25E-05	1.23E-02
1858	494511.06	3859201.99	1.16E-02	7.30E-06	7.87E-05	5.20E-05	1.17E-02	1.21E-02	7.46E-02	7.18E-03	1.78E-03	9.57E-02	1.21E-02	8.54E-06	7.87E-05	5.20E-05	1.22E-02
1859	494561.06	3859201.99	1.14E-02	7.13E-06	7.84E-05	5.13E-05	1.16E-02	1.19E-02	7.29E-02	7.15E-03	1.76E-03	9.37E-02	1.19E-02	8.34E-06	7.84E-05	5.13E-05	1.20E-02
1860	494611.06	3859201.99	1.13E-02	7.00E-06	7.80E-05	5.07E-05	1.14E-02	1.18E-02	7.15E-02	7.11E-03	1.74E-03	9.21E-02	1.18E-02	8.19E-06	7.80E-05	5.07E-05	1.19E-02
1861	494661.06	3859201.99	1.12E-02	6.89E-06	7.76E-05	5.02E-05	1.13E-02	1.17E-02	7.04E-02	7.08E-03	1.72E-03	9.09E-02	1.17E-02	8.06E-06	7.76E-05	5.02E-05	1.18E-02
1862	494711.06	3859201.99	1.11E-02	6.78E-06	7.73E-05	4.97E-05	1.12E-02	1.16E-02	6.93E-02	7.05E-03	1.70E-03	8.96E-02	1.16E-02	7.93E-06	7.73E-05	4.97E-05	1.17E-02
1863	494761.06	3859201.99	1.09E-02	6.62E-06	7.66E-05	4.90E-05	1.11E-02	1.14E-02	6.76E-02	6.99E-03	1.67E-03	8.77E-02	1.14E-02	7.74E-06	7.66E-05	4.90E-05	1.15E-02
1864	494811.06	3859201.99	1.08E-02	6.48E-06	7.61E-05	4.83E-05	1.09E-02	1.13E-02	6.62E-02	6.94E-03	1.65E-03	8.60E-02	1.12E-02	7.58E-06	7.61E-05	4.83E-05	1.14E-02
1865	494861.06	3859201.99	1.06E-02	6.31E-06	7.55E-05	4.77E-05	1.08E-02	1.11E-02	6.45E-02	6.89E-03	1.63E-03	8.41E-02	1.11E-02	7.38E-06	7.55E-05	4.77E-05	1.12E-02
1866	494911.06	3859201.99	1.04E-02	6.14E-06	7.42E-05	4.68E-05	1.05E-02	1.08E-02	6.27E-02	6.77E-03	1.60E-03	8.19E-02	1.08E-02	7.18E-06	7.42E-05	4.68E-05	1.09E-02
1867	494961.06	3859201.99	1.01E-02	5.95E-06	7.28E-05	4.59E-05	1.02E-02	1.06E-02	6.08E-02	6.64E-03	1.57E-03	7.95E-02	1.05E-02	6.96E-06	7.28E-05	4.59E-05	1.07E-02
1868	495011.06	3859201.99	9.77E-03	5.70E-06	7.09E-05	4.48E-05	9.89E-03	1.02E-02	5.83E-02	6.47E-03	1.53E-03	7.64E-02	1.02E-02	6.67E-06	7.09E-05	4.48E-05	1.03E-02
1869	495061.06	3859201.99	9.91E-03	5.77E-06	7.17E-05	4.49E-05	1.00E-02	1.03E-02	5.89E-02	6.53E-03	1.54E-03	7.73E-02	1.03E-02	6.75E-06	7.17E-05	4.49E-05	1.04E-02
1870	495111.06	3859201.99	9.92E-03	5.74E-06	7.17E-05	4.47E-05	1.00E-02	1.03E-02	5.87E-02	6.54E-03	1.53E-03	7.71E-02	1.03E-02	6.72E-06	7.17E-05	4.47E-05	1.04E-02
1871	495161.06	3859201.99	9.90E-03	5.71E-06	7.16E-05	4.44E-05	1.00E-02	1.03E-02	5.84E-02	6.53E-03	1.52E-03	7.67E-02	1.03E-02	6.68E-06	7.16E-05	4.44E-05	1.04E-02
1872	495211.06	3859201.99	9.84E-03	5.65E-06	7.12E-05	4.40E-05	9.96E-03	1.03E-02	5.77E-02	6.49E-03	1.51E-03	7.60E-02	1.02E-02	6.61E-06	7.12E-05	4.40E-05	1.04E-02
1873	495261.06	3859201.99	9.85E-03	5.63E-06	7.13E-05	4.38E-05	9.97E-03	1.03E-02	5.76E-02	6.50E-03	1.50E-03	7.58E-02	1.03E-02	6.59E-06	7.13E-05	4.38E-05	1.04E-02
1874	495311.06	3859201.99	9.83E-03	5.60E-06	7.12E-05	4.36E-05	9.95E-03	1.03E-02	5.72E-02	6.49E-03	1.49E-03	7.55E-02	1.02E-02	6.55E-06	7.12E-05	4.36E-05	1.04E-02
1875	495361.06	3859201.99	9.83E-03	5.58E-06	7.12E-05	4.33E-05	9.95E-03	1.03E-02	5.70E-02	6.49E-03	1.48E-03	7.52E-02	1.02E-02	6.52E-06	7.12E-05	4.33E-05	1.04E-02
1876	495411.06	3859201.99	9.87E-03	5.58E-06	7.14E-05	4.32E-05	9.99E-03	1.03E-02	5.70E-02	6.51E-03	1.48E-03	7.53E-02	1.03E-02	6.53E-06	7.14E-05	4.32E-05	1.04E-02
1877	495461.06	3859201.99	9.83E-03	5.54E-06	7.12E-05	4.29E-05	9.95E-03	1.03E-02	5.66E-02	6.49E-03	1.47E-03	7.48E-02	1.02E-02	6.48E-06	7.12E-05	4.29E-05	1.04E-02
1878	495511.06	3859201.99	9.79E-03	5.49E-06	7.10E-05	4.26E-05	9.91E-03	1.02E-02	5.61E-02	6.47E-03	1.46E-03	7.42E-02	1.02E-02	6.42E-06	7.10E-05	4.26E-05	1.03E-02
1879	495561.06	3859201.99	9.69E-03	5.40E-06	7.04E-05	4.22E-05	9.81E-03	1.01E-02	5.52E-02	6.42E-03	1.44E-03	7.32E-02	1.01E-02	6.32E-06	7.04E-05	4.22E-05	1.02E-02
1880	495611.06	3859201.99	9.62E-03	5.34E-06	7.00E-05	4.18E-05	9.74E-03	1.00E-02	5.45E-02	6.38E-03	1.43E-03	7.24E-02	1.00E-02	6.25E-06	7.00E-05	4.18E-05	1.01E-02
1881	495661.06	3859201.99	9.58E-03	5.29E-06	6.97E-05	4.15E-05	9.70E-03	1.00E-02	5.41E-02	6.36E-03	1.42E-03	7.19E-02	9.98E-03	6.19E-06	6.97E-05	4.15E-05	1.01E-02
1882	494311.06	3859251.99	1.19E-02	7.99E-06	7.69E-05	5.38E-05	1.21E-02	1.24E-02	8.16E-02	7.01E-03	1.84E-03	1.03E-01	1.24E-02	9.35E-06	7.69E-05	5.38E-05	1.26E-02
1883	494361.06	3859251.99	1.18E-02	7.86E-06	7.68E-05	5.33E-05	1.20E-02	1.23E-02	8.03E-02	7.00E-03	1.82E-03	1.01E-01	1.23E-02	9.20E-06	7.68E-05	5.33E-05	1.25E-02
1884	494411.06	3859251.99	1.17E-02	7.69E-06	7.66E-05	5.27E-05	1.18E-02	1.22E-02	7.86E-02	6.99E-03	1.80E-03	9.96E-02	1.22E-02	9.00E-06	7.66E-05	5.27E-05	1.23E-02
1885	494461.06	3859251.99	1.16E-02	7.58E-06	7.65E-05	5.22E-05	1.18E-02	1.21E-02	7.74E-02	6.97E-03	1.79E-03	9.83E-02	1.21E-02	8.86E-06	7.65E-05	5.22E-05	1.22E-02
1886	494511.06	3859251.99	1.15E-02	7.40E-06	7.63E-05	5.16E-05	1.16E-02	1.20E-02	7.56E-02	6.96E-03	1.76E-03	9.63E-02	1.20E-02	8.65E-06	7.63E-05	5.16E-05	1.21E-02
1887	494561.06	3859251.99	1.14E-02	7.28E-06	7.61E-05	5.11E-05	1.15E-02	1.19E-02	7.44E-02	6.94E-03	1.75E-03	9.49E-02	1.19E-02	8.52E-06	7.61E-05	5.11E-05	1.20E-02

1888	494611.06	3859251.99	1.13E-02	7.13E-06	7.58E-05	5.05E-05	1.14E-02	1.18E-02	7.28E-02	6.91E-03	1.73E-03	9.32E-02	1.17E-02	8.34E-06	7.58E-05	5.05E-05	1.19E-02
1889	494661.06	3859251.99	1.12E-02	7.04E-06	7.55E-05	5.01E-05	1.13E-02	1.17E-02	7.20E-02	6.89E-03	1.71E-03	9.22E-02	1.17E-02	8.24E-06	7.55E-05	5.01E-05	1.18E-02
1890	494711.06	3859251.99	1.11E-02	6.93E-06	7.52E-05	4.95E-05	1.12E-02	1.16E-02	7.08E-02	6.86E-03	1.69E-03	9.09E-02	1.16E-02	8.11E-06	7.52E-05	4.95E-05	1.17E-02
1891	494761.06	3859251.99	1.08E-02	6.66E-06	7.47E-05	4.87E-05	1.10E-02	1.13E-02	6.81E-02	6.81E-03	1.67E-03	8.78E-02	1.13E-02	7.79E-06	7.47E-05	4.87E-05	1.14E-02
1892	494811.06	3859251.99	1.08E-02	6.62E-06	7.42E-05	4.82E-05	1.09E-02	1.13E-02	6.77E-02	6.77E-03	1.65E-03	8.74E-02	1.12E-02	7.75E-06	7.42E-05	4.82E-05	1.14E-02
1893	494861.06	3859251.99	1.06E-02	6.39E-06	7.36E-05	4.75E-05	1.07E-02	1.10E-02	6.53E-02	6.71E-03	1.62E-03	8.47E-02	1.10E-02	7.48E-06	7.36E-05	4.75E-05	1.11E-02
1894	494911.06	3859251.99	1.03E-02	6.21E-06	7.23E-05	4.65E-05	1.04E-02	1.08E-02	6.34E-02	6.59E-03	1.59E-03	8.24E-02	1.07E-02	7.26E-06	7.23E-05	4.65E-05	1.09E-02
1895	494961.06	3859251.99	1.02E-02	6.10E-06	7.17E-05	4.60E-05	1.03E-02	1.06E-02	6.23E-02	6.54E-03	1.57E-03	8.11E-02	1.06E-02	7.14E-06	7.17E-05	4.60E-05	1.07E-02
1896	495011.06	3859251.99	1.01E-02	5.98E-06	7.09E-05	4.54E-05	1.02E-02	1.05E-02	6.11E-02	6.47E-03	1.55E-03	7.96E-02	1.05E-02	6.99E-06	7.09E-05	4.54E-05	1.06E-02
1897	495061.06	3859251.99	1.01E-02	5.97E-06	7.10E-05	4.52E-05	1.02E-02	1.05E-02	6.10E-02	6.47E-03	1.54E-03	7.95E-02	1.05E-02	6.98E-06	7.10E-05	4.52E-05	1.06E-02
1898	495111.06	3859251.99	1.00E-02	5.91E-06	7.07E-05	4.48E-05	1.01E-02	1.04E-02	6.04E-02	6.45E-03	1.53E-03	7.88E-02	1.04E-02	6.91E-06	7.07E-05	4.48E-05	1.06E-02
1899	495161.06	3859251.99	9.99E-03	5.87E-06	7.05E-05	4.45E-05	1.01E-02	1.04E-02	6.00E-02	6.43E-03	1.52E-03	7.84E-02	1.04E-02	6.87E-06	7.05E-05	4.45E-05	1.05E-02
1900	495211.06	3859251.99	9.93E-03	5.81E-06	7.02E-05	4.42E-05	1.01E-02	1.04E-02	5.94E-02	6.40E-03	1.51E-03	7.77E-02	1.03E-02	6.80E-06	7.02E-05	4.42E-05	1.05E-02
1901	495261.06	3859251.99	9.94E-03	5.77E-06	7.05E-05	4.40E-05	1.01E-02	1.04E-02	5.90E-02	6.43E-03	1.51E-03	7.73E-02	1.03E-02	6.76E-06	7.05E-05	4.40E-05	1.05E-02
1902	495311.06	3859251.99	9.92E-03	5.76E-06	7.01E-05	4.37E-05	1.00E-02	1.04E-02	5.89E-02	6.40E-03	1.49E-03	7.71E-02	1.03E-02	6.74E-06	7.01E-05	4.37E-05	1.05E-02
1903	495361.06	3859251.99	9.89E-03	5.72E-06	7.00E-05	4.34E-05	1.00E-02	1.03E-02	5.85E-02	6.38E-03	1.48E-03	7.67E-02	1.03E-02	6.70E-06	7.00E-05	4.34E-05	1.04E-02
1904	495411.06	3859251.99	9.92E-03	5.72E-06	7.01E-05	4.32E-05	1.00E-02	1.03E-02	5.84E-02	6.39E-03	1.48E-03	7.67E-02	1.03E-02	6.69E-06	7.01E-05	4.32E-05	1.04E-02
1905	495461.06	3859251.99	9.88E-03	5.67E-06	6.99E-05	4.29E-05	1.00E-02	1.03E-02	5.80E-02	6.37E-03	1.47E-03	7.61E-02	1.03E-02	6.64E-06	6.99E-05	4.29E-05	1.04E-02
1906	495511.06	3859251.99	9.78E-03	5.59E-06	6.94E-05	4.25E-05	9.90E-03	1.02E-02	5.71E-02	6.33E-03	1.45E-03	7.51E-02	1.02E-02	6.53E-06	6.94E-05	4.25E-05	1.03E-02
1907	495561.06	3859251.99	9.73E-03	5.53E-06	6.91E-05	4.22E-05	9.85E-03	1.02E-02	5.65E-02	6.30E-03	1.44E-03	7.44E-02	1.01E-02	6.47E-06	6.91E-05	4.22E-05	1.03E-02
1908	495611.06	3859251.99	9.64E-03	5.45E-06	6.86E-05	4.17E-05	9.76E-03	1.01E-02	5.57E-02	6.26E-03	1.43E-03	7.35E-02	1.00E-02	6.38E-06	6.86E-05	4.17E-05	1.02E-02
1909	495661.06	3859251.99	9.59E-03	5.40E-06	6.83E-05	4.14E-05	9.71E-03	1.00E-02	5.52E-02	6.23E-03	1.42E-03	7.28E-02	9.99E-03	6.32E-06	6.83E-05	4.14E-05	1.01E-02
1910	494311.06	3859301.99	1.18E-02	8.19E-06	7.43E-05	5.33E-05	1.20E-02	1.24E-02	8.36E-02	6.77E-03	1.82E-03	1.05E-01	1.23E-02	9.58E-06	7.43E-05	5.33E-05	1.25E-02
1911	494361.06	3859301.99	1.18E-02	8.05E-06	7.42E-05	5.28E-05	1.19E-02	1.23E-02	8.22E-02	6.77E-03	1.81E-03	1.03E-01	1.22E-02	9.41E-06	7.42E-05	5.28E-05	1.24E-02
1912	494411.06	3859301.99	1.16E-02	7.87E-06	7.43E-05	5.23E-05	1.18E-02	1.22E-02	8.04E-02	6.77E-03	1.79E-03	1.01E-01	1.21E-02	9.21E-06	7.43E-05	5.23E-05	1.23E-02
1913	494461.06	3859301.99	1.15E-02	7.70E-06	7.42E-05	5.17E-05	1.17E-02	1.20E-02	7.87E-02	6.77E-03	1.77E-03	9.93E-02	1.20E-02	9.01E-06	7.42E-05	5.17E-05	1.21E-02
1914	494511.06	3859301.99	1.14E-02	7.55E-06	7.41E-05	5.12E-05	1.16E-02	1.19E-02	7.71E-02	6.76E-03	1.75E-03	9.76E-02	1.19E-02	8.83E-06	7.41E-05	5.12E-05	1.20E-02
1915	494561.06	3859301.99	1.13E-02	7.43E-06	7.39E-05	5.07E-05	1.15E-02	1.18E-02	7.59E-02	6.74E-03	1.74E-03	9.62E-02	1.18E-02	8.70E-06	7.39E-05	5.07E-05	1.19E-02
1916	494611.06	3859301.99	1.12E-02	7.30E-06	7.37E-05	5.02E-05	1.14E-02	1.17E-02	7.46E-02	6.72E-03	1.72E-03	9.48E-02	1.17E-02	8.54E-06	7.37E-05	5.02E-05	1.18E-02
1917	494661.06	3859301.99	1.11E-02	7.18E-06	7.35E-05	4.97E-05	1.13E-02	1.16E-02	7.33E-02	6.70E-03	1.70E-03	9.34E-02	1.16E-02	8.40E-06	7.35E-05	4.97E-05	1.17E-02
1918	494711.06	3859301.99	1.10E-02	7.03E-06	7.32E-05	4.92E-05	1.12E-02	1.15E-02	7.18E-02	6.68E-03	1.68E-03	9.17E-02	1.15E-02	8.22E-06	7.32E-05	4.92E-05	1.16E-02
1919	494761.06	3859301.99	1.09E-02	6.90E-06	7.29E-05	4.86E-05	1.10E-02	1.14E-02	7.05E-02	6.65E-03	1.66E-03	9.02E-02	1.14E-02	8.07E-06	7.29E-05	4.86E-05	1.15E-02
1920	494811.06	3859301.99	1.07E-02	6.72E-06	7.25E-05	4.80E-05	1.09E-02	1.12E-02	6.87E-02	6.61E-03	1.64E-03	8.81E-02	1.12E-02	7.86E-06	7.25E-05	4.80E-05	1.13E-02
1921	494861.06	3859301.99	1.05E-02	6.49E-06	7.17E-05	4.71E-05	1.06E-02	1.10E-02	6.63E-02	6.54E-03	1.61E-03	8.54E-02	1.09E-02	7.59E-06	7.17E-05	4.71E-05	1.11E-02
1922	494911.06	3859301.99	1.04E-02	6.37E-06	7.11E-05	4.65E-05	1.05E-02	1.08E-02	6.51E-02	6.49E-03	1.59E-03	8.40E-02	1.08E-02	7.45E-06	7.11E-05	4.65E-05	1.09E-02
1923	494961.06	3859301.99	1.01E-02	6.14E-06	7.01E-05	4.57E-05	1.03E-02	1.06E-02	6.28E-02	6.39E-03	1.56E-03	8.13E-02	1.05E-02	7.19E-06	7.01E-05	4.57E-05	1.07E-02
1924	495011.06	3859301.99	1.00E-02	6.05E-06	6.96E-05	4.52E-05	1.02E-02	1.05E-02	6.18E-02	6.35E-03	1.55E-03	8.02E-02	1.05E-02	7.08E-06	6.96E-05	4.52E-05	1.06E-02
1925	495061.06	3859301.99	1.02E-02	6.12E-06	7.02E-05	4.54E-05	1.03E-02	1.06E-02	6.26E-02	6.40E-03	1.55E-03	8.11E-02	1.06E-02	7.16E-06	7.02E-05	4.54E-05	1.07E-02
1926	495111.06	3859301.99	1.00E-02	6.00E-06	6.94E-05	4.47E-05	1.01E-02	1.05E-02	6.13E-02	6.33E-03	1.53E-03	7.97E-02	1.04E-02	7.02E-06	6.94E-05	4.47E-05	1.06E-02
1927	495161.06	3859301.99	9.99E-03	5.98E-06	6.91E-05	4.44E-05	1.01E-02	1.04E-02	6.11E-02	6.30E-03	1.52E-03	7.93E-02	1.04E-02	6.99E-06	6.91E-05	4.44E-05	1.05E-02
1928	495211.06	3859301.99	1.00E-02	5.98E-06	6.92E-05	4.42E-05	1.01E-02	1.05E-02	6.11E-02	6.31E-03	1.51E-03	7.94E-02	1.04E-02	7.00E-06	6.92E-05	4.42E-05	1.06E-02
1929	495261.06	3859301.99	1.00E-02	5.96E-06	6.91E-05	4.40E-05	1.01E-02	1.05E-02	6.09E-02	6.31E-03	1.51E-03	7.92E-02	1.04E-02	6.97E-06	6.91E-05	4.40E-05	1.06E-02
1930	495311.06	3859301.99	9.93E-03	5.88E-06	6.87E-05	4.36E-05	1.01E-02	1.04E-02	6.00E-02	6.27E-03	1.49E-03	7.82E-02	1.03E-02	6.87E-06	6.87E-05	4.36E-05	1.05E-02
1931	495361.06	3859301.99	9.94E-03	5.86E-06	6.87E-05	4.34E-05	1.01E-02	1.04E-02	5.99E-02	6.27E-03	1.48E-03	7.80E-02	1.04E-02	6.86E-06	6.87E-05	4.34E-05	1.05E-02
1932	495411.06	3859301.99	9.92E-03	5.83E-06	6.86E-05	4.31E-05	1.00E-02	1.04E-02	5.96E-02	6.25E-03	1.47E-03	7.76E-02	1.03E-02	6.82E-06	6.86E-05	4.31E-05	1.04E-02
1933	495461.06	3859301.99	9.91E-03	5.80E-06	6.85E-05	4.29E-05	1.00E-02	1.03E-02	5.93E-02	6.25E-03	1.47E-03	7.73E-02	1.03E-02	6.79E-06	6.85E-05	4.29E-05	1.04E-02
1934	495511.06	3859301.99	9.83E-03	5.73E-06	6.81E-05	4.25E-05	9.95E-03	1.03E-02	5.85E-02	6.21E-03	1.45E-03	7.64E-02	1.02E-02	6.70E-06	6.81E-05	4.25E-05	1.04E-02
1935	495561.06	3859301.99	9.71E-03	5.61E-06	6.75E-05	4.20E-05	9.82E-03	1.01E-02	5.74E-02	6.16E-03	1.43E-03	7.51E-02	1.01E-02	6.57E-06	6.75E-05	4.20E-05	1.02E-02
1936	495611.06	3859301.99	9.65E-03	5.56E-06	6.73E-05	4.16E-05	9.77E-03	1.01E-02	5.68E-02	6.13E-03	1.42E-03	7.44E-02	1.01E-02	6.50E-06	6.73E-05	4.16E-05	1.02E-02
1937	495661.06	3859301.99	9.60E-03	5.50E-06	6.70E-05	4.13E-05	9.72E-03	1.00E-02	5.62E-02	6.11E-03	1.41E-03	7.38E-02	1.00E-02	6.44E-06	6.70E-05	4.13E-05	1.01E-02
1938	494311.06	3859351.99	1.17E-02	8.34E-06	7.17E-05	5.26E-05	1.19E-02	1.22E-02	8.52E-02	6.54E-03	1.80E-03	1.06E-01	1.22E-02	9.76E-06	7.17E-05	5.26E-05	1.23E-02
1939	494361.06	3859351.99	1.16E-02	8.19E-06	7.18E-05	5.22E-05	1.18E-02	1.22E-02	8.37E-02	6.55E-03	1.78E-03	1.04E-01	1.21E-02	9.59E-06	7.18E-05	5.22E-05	1.23E-02
1940	494411.06	3859351.99	1.15E-02	8.00E-06	7.20E-05	5.17E-05	1.17E-02	1.20E-02	8.17E-02	6.57E-03	1.77E-03	1.02E-01	1.20E-02	9.36E-06	7.20E-05	5.17E-05	1.21E-02
1941	494461.06	3859351.99	1.14E-02	7.84E-06	7.21E-05	5.12E-05	1.16E-02	1.19E-02	8.01E-02	6.57E-03	1.75E-03	1.00E-01	1.19E-02	9.17E-06	7.21E-05	5.12E-05	1.20E-02
1942	494511.06	3859351.99	1.13E-02	7.69E-06	7.20E-05	5.07E-05	1.15E-02	1.18E-02	7.86E-02	6.57E-03	1.73E-03	9.87E-02	1.18E-02	9.00E-06	7.20E-05	5.07E-05	1.19E-02
1943	494561.06	3859351.99	1.13E-02	7.58E-06	7.18E-05	5.03E-05	1.14E-02	1.18E-02	7.74E-02	6.55E-03	1.72E-03	9.75E-02	1.17E-02	8.87E-06	7.18E-05	5.03E-05	1.19E-02
1944	494611.06	3859351.99	1.12E-02	7.45E-06	7.17E-05	4.98E-05	1.13E-02	1.17E-02	7.62E-02	6.54E-03	1.70E-03	9.61E-02	1.17E-02	8.72E-06	7.17E-05	4.98E-05	1.18E-02
1945	494661.06	3859351.99	1.11E-02	7.32E-06	7.15E-05	4.93E-05	1.12E-02	1.16E-02	7.48E-02	6.52E-03	1.69E-03	9.46E-02	1.16E-02	8.57E-06	7.15E-05	4.93E-05	1.17E-02
1946	494711.06	3859351.99	1.10E-02	7.16E-06	7.14E-05	4.88E-05	1.11E-02	1.15E-02	7.32E-02	6.51E-03	1.67E-03	9.28E-02	1.14E-02	8.38E-06	7.14E-05	4.88E-05	1.16E-02
1947	494761.06	3859351.99	1.08E-02	6.96E-06	7.12E-05	4.83E-05	1.10E-02	1.13E-02	7.11E-02	6.49E-03	1.65E-03	9.05E-02	1.13E-02	8.14E-06	7.12E-05	4.83E-05	1.14E-02
1948	494811.06	3859351.99	1.06E-02	6.71E-06	7.06E-05	4.73E-05	1.07E-02	1.10E-02	6.85E-02	6.44E-03	1.62E-03	8.76E-02	1.10E-02	7.85E-06	7.06E-05	4.73E-05	1.11E-02

1949	494861.06	3859351.99	1.05E-02	6.60E-06	7.03E-05	4.68E-05	1.06E-02	1.09E-02	6.75E-02	6.41E-03	1.60E-03	8.64E-02	1.09E-02	7.73E-06	7.03E-05	4.68E-05	1.10E-02
1950	494911.06	3859351.99	1.04E-02	6.53E-06	6.99E-05	4.64E-05	1.05E-02	1.09E-02	6.67E-02	6.38E-03	1.59E-03	8.56E-02	1.09E-02	7.64E-06	6.99E-05	4.64E-05	1.10E-02
1951	494961.06	3859351.99	1.03E-02	6.42E-06	6.95E-05	4.59E-05	1.04E-02	1.08E-02	6.56E-02	6.33E-03	1.57E-03	8.42E-02	1.07E-02	7.51E-06	6.95E-05	4.59E-05	1.09E-02
1952	495011.06	3859351.99	1.02E-02	6.33E-06	6.91E-05	4.55E-05	1.04E-02	1.07E-02	6.46E-02	6.30E-03	1.55E-03	8.32E-02	1.07E-02	7.40E-06	6.91E-05	4.55E-05	1.08E-02
1953	495061.06	3859351.99	1.03E-02	6.35E-06	6.91E-05	4.54E-05	1.04E-02	1.07E-02	6.49E-02	6.30E-03	1.55E-03	8.35E-02	1.07E-02	7.43E-06	6.91E-05	4.54E-05	1.08E-02
1954	495111.06	3859351.99	1.02E-02	6.26E-06	6.87E-05	4.49E-05	1.03E-02	1.06E-02	6.39E-02	6.26E-03	1.54E-03	8.24E-02	1.06E-02	7.32E-06	6.87E-05	4.49E-05	1.07E-02
1955	495161.06	3859351.99	1.01E-02	6.21E-06	6.84E-05	4.46E-05	1.03E-02	1.06E-02	6.34E-02	6.24E-03	1.52E-03	8.18E-02	1.06E-02	7.26E-06	6.84E-05	4.46E-05	1.07E-02
1956	495211.06	3859351.99	1.01E-02	6.15E-06	6.81E-05	4.43E-05	1.02E-02	1.05E-02	6.28E-02	6.21E-03	1.51E-03	8.11E-02	1.05E-02	7.20E-06	6.81E-05	4.43E-05	1.06E-02
1957	495261.06	3859351.99	1.01E-02	6.12E-06	6.80E-05	4.40E-05	1.02E-02	1.05E-02	6.26E-02	6.20E-03	1.50E-03	8.08E-02	1.05E-02	7.16E-06	6.80E-05	4.40E-05	1.06E-02
1958	495311.06	3859351.99	1.00E-02	6.05E-06	6.77E-05	4.36E-05	1.01E-02	1.04E-02	6.18E-02	6.17E-03	1.49E-03	7.99E-02	1.04E-02	7.07E-06	6.77E-05	4.36E-05	1.05E-02
1959	495361.06	3859351.99	9.97E-03	6.00E-06	6.74E-05	4.33E-05	1.01E-02	1.04E-02	6.13E-02	6.15E-03	1.48E-03	7.93E-02	1.04E-02	7.02E-06	6.74E-05	4.33E-05	1.05E-02
1960	495411.06	3859351.99	9.95E-03	5.97E-06	6.73E-05	4.31E-05	1.01E-02	1.04E-02	6.10E-02	6.14E-03	1.47E-03	7.90E-02	1.04E-02	6.98E-06	6.73E-05	4.31E-05	1.05E-02
1961	495461.06	3859351.99	9.95E-03	5.95E-06	6.72E-05	4.29E-05	1.01E-02	1.04E-02	6.08E-02	6.13E-03	1.47E-03	7.88E-02	1.04E-02	6.96E-06	6.72E-05	4.29E-05	1.05E-02
1962	495511.06	3859351.99	9.85E-03	5.85E-06	6.68E-05	4.24E-05	9.96E-03	1.03E-02	5.98E-02	6.09E-03	1.45E-03	7.76E-02	1.03E-02	6.84E-06	6.68E-05	4.24E-05	1.04E-02
1963	495561.06	3859351.99	9.77E-03	5.77E-06	6.64E-05	4.20E-05	9.89E-03	1.02E-02	5.90E-02	6.06E-03	1.44E-03	7.67E-02	1.02E-02	6.75E-06	6.64E-05	4.20E-05	1.03E-02
1964	495611.06	3859351.99	9.72E-03	5.71E-06	6.62E-05	4.17E-05	9.84E-03	1.01E-02	5.84E-02	6.04E-03	1.43E-03	7.60E-02	1.01E-02	6.68E-06	6.62E-05	4.17E-05	1.02E-02
1965	495661.06	3859351.99	9.62E-03	5.61E-06	6.57E-05	4.12E-05	9.73E-03	1.00E-02	5.74E-02	5.99E-03	1.41E-03	7.48E-02	1.00E-02	6.57E-06	6.57E-05	4.12E-05	1.01E-02
1966	494311.06	3859401.99	1.16E-02	8.54E-06	6.90E-05	5.19E-05	1.17E-02	1.21E-02	8.72E-02	6.29E-03	1.77E-03	1.07E-01	1.21E-02	9.99E-06	6.90E-05	5.19E-05	1.22E-02
1967	494361.06	3859401.99	1.15E-02	8.33E-06	6.94E-05	5.15E-05	1.16E-02	1.20E-02	8.51E-02	6.33E-03	1.76E-03	1.05E-01	1.20E-02	9.75E-06	6.94E-05	5.15E-05	1.21E-02
1968	494411.06	3859401.99	1.14E-02	8.13E-06	6.97E-05	5.10E-05	1.15E-02	1.19E-02	8.30E-02	6.36E-03	1.74E-03	1.03E-01	1.19E-02	9.51E-06	6.97E-05	5.10E-05	1.20E-02
1969	494461.06	3859401.99	1.13E-02	7.98E-06	6.98E-05	5.06E-05	1.15E-02	1.18E-02	8.15E-02	6.37E-03	1.73E-03	1.01E-01	1.18E-02	9.33E-06	6.98E-05	5.06E-05	1.19E-02
1970	494511.06	3859401.99	1.13E-02	7.87E-06	6.97E-05	5.02E-05	1.14E-02	1.18E-02	8.04E-02	6.36E-03	1.72E-03	1.00E-01	1.17E-02	9.21E-06	6.97E-05	5.02E-05	1.19E-02
1971	494561.06	3859401.99	1.12E-02	7.75E-06	6.97E-05	4.98E-05	1.13E-02	1.17E-02	7.92E-02	6.35E-03	1.70E-03	9.89E-02	1.17E-02	9.07E-06	6.97E-05	4.98E-05	1.18E-02
1972	494611.06	3859401.99	1.11E-02	7.60E-06	6.97E-05	4.93E-05	1.12E-02	1.16E-02	7.77E-02	6.36E-03	1.69E-03	9.73E-02	1.16E-02	8.90E-06	6.97E-05	4.93E-05	1.17E-02
1973	494661.06	3859401.99	1.10E-02	7.50E-06	6.95E-05	4.89E-05	1.12E-02	1.15E-02	7.66E-02	6.34E-03	1.67E-03	9.61E-02	1.15E-02	8.77E-06	6.95E-05	4.89E-05	1.16E-02
1974	494711.06	3859401.99	1.10E-02	7.37E-06	6.94E-05	4.85E-05	1.11E-02	1.14E-02	7.53E-02	6.33E-03	1.66E-03	9.47E-02	1.14E-02	8.62E-06	6.94E-05	4.85E-05	1.15E-02
1975	494761.06	3859401.99	1.08E-02	7.15E-06	6.95E-05	4.80E-05	1.09E-02	1.13E-02	7.30E-02	6.34E-03	1.64E-03	9.23E-02	1.13E-02	8.36E-06	6.95E-05	4.80E-05	1.14E-02
1976	494811.06	3859401.99	1.07E-02	6.98E-06	6.93E-05	4.73E-05	1.08E-02	1.11E-02	7.13E-02	6.32E-03	1.62E-03	9.04E-02	1.11E-02	8.17E-06	6.93E-05	4.73E-05	1.13E-02
1977	494861.06	3859401.99	1.05E-02	6.78E-06	6.90E-05	4.67E-05	1.06E-02	1.10E-02	6.93E-02	6.29E-03	1.60E-03	8.82E-02	1.10E-02	7.94E-06	6.90E-05	4.67E-05	1.11E-02
1978	494911.06	3859401.99	1.04E-02	6.65E-06	6.87E-05	4.62E-05	1.05E-02	1.09E-02	6.79E-02	6.27E-03	1.58E-03	8.66E-02	1.09E-02	7.77E-06	6.87E-05	4.62E-05	1.10E-02
1979	494961.06	3859401.99	1.04E-02	6.58E-06	6.83E-05	4.58E-05	1.05E-02	1.08E-02	6.73E-02	6.23E-03	1.57E-03	8.59E-02	1.08E-02	7.70E-06	6.83E-05	4.58E-05	1.09E-02
1980	495011.06	3859401.99	1.03E-02	6.53E-06	6.81E-05	4.54E-05	1.04E-02	1.08E-02	6.67E-02	6.21E-03	1.55E-03	8.52E-02	1.07E-02	7.64E-06	6.81E-05	4.54E-05	1.09E-02
1981	495061.06	3859401.99	1.03E-02	6.48E-06	6.79E-05	4.53E-05	1.04E-02	1.07E-02	6.62E-02	6.20E-03	1.55E-03	8.47E-02	1.07E-02	7.58E-06	6.79E-05	4.53E-05	1.08E-02
1982	495111.06	3859401.99	1.02E-02	6.38E-06	6.76E-05	4.48E-05	1.03E-02	1.06E-02	6.51E-02	6.16E-03	1.53E-03	8.35E-02	1.06E-02	7.46E-06	6.76E-05	4.48E-05	1.07E-02
1983	495161.06	3859401.99	1.02E-02	6.35E-06	6.72E-05	4.44E-05	1.03E-02	1.06E-02	6.48E-02	6.13E-03	1.52E-03	8.31E-02	1.06E-02	7.42E-06	6.72E-05	4.44E-05	1.07E-02
1984	495211.06	3859401.99	1.01E-02	6.32E-06	6.70E-05	4.42E-05	1.03E-02	1.06E-02	6.46E-02	6.11E-03	1.51E-03	8.28E-02	1.06E-02	7.40E-06	6.70E-05	4.42E-05	1.07E-02
1985	495261.06	3859401.99	1.01E-02	6.27E-06	6.68E-05	4.39E-05	1.02E-02	1.05E-02	6.40E-02	6.09E-03	1.50E-03	8.21E-02	1.05E-02	7.33E-06	6.68E-05	4.39E-05	1.06E-02
1986	495311.06	3859401.99	1.01E-02	6.20E-06	6.65E-05	4.35E-05	1.02E-02	1.05E-02	6.34E-02	6.06E-03	1.49E-03	8.14E-02	1.05E-02	7.26E-06	6.65E-05	4.35E-05	1.06E-02
1987	495361.06	3859401.99	1.00E-02	6.19E-06	6.63E-05	4.33E-05	1.02E-02	1.05E-02	6.32E-02	6.05E-03	1.48E-03	8.13E-02	1.05E-02	7.24E-06	6.63E-05	4.33E-05	1.06E-02
1988	495411.06	3859401.99	1.00E-02	6.15E-06	6.61E-05	4.30E-05	1.01E-02	1.05E-02	6.28E-02	6.03E-03	1.47E-03	8.08E-02	1.04E-02	7.19E-06	6.61E-05	4.30E-05	1.05E-02
1989	495461.06	3859401.99	9.95E-03	6.08E-06	6.59E-05	4.27E-05	1.01E-02	1.04E-02	6.21E-02	6.01E-03	1.46E-03	7.99E-02	1.04E-02	7.11E-06	6.59E-05	4.27E-05	1.05E-02
1990	495511.06	3859401.99	9.86E-03	5.97E-06	6.55E-05	4.22E-05	9.97E-03	1.03E-02	6.10E-02	5.97E-03	1.44E-03	7.87E-02	1.03E-02	6.99E-06	6.55E-05	4.22E-05	1.04E-02
1991	495561.06	3859401.99	9.75E-03	5.86E-06	6.51E-05	4.18E-05	9.86E-03	1.02E-02	5.99E-02	5.93E-03	1.43E-03	7.74E-02	1.02E-02	6.86E-06	6.51E-05	4.18E-05	1.03E-02
1992	495611.06	3859401.99	9.69E-03	5.79E-06	6.48E-05	4.14E-05	9.80E-03	1.01E-02	5.92E-02	5.91E-03	1.42E-03	7.66E-02	1.01E-02	6.78E-06	6.48E-05	4.14E-05	1.02E-02
1993	495661.06	3859401.99	9.64E-03	5.74E-06	6.45E-05	4.11E-05	9.75E-03	1.01E-02	5.86E-02	5.89E-03	1.41E-03	7.60E-02	1.00E-02	6.71E-06	6.45E-05	4.11E-05	1.01E-02
1994	494311.06	3859451.99	1.15E-02	8.64E-06	6.66E-05	5.10E-05	1.16E-02	1.20E-02	8.83E-02	6.07E-03	1.74E-03	1.08E-01	1.19E-02	1.01E-05	6.66E-05	5.10E-05	1.21E-02
1995	494361.06	3859451.99	1.14E-02	8.46E-06	6.69E-05	5.06E-05	1.15E-02	1.19E-02	8.64E-02	6.10E-03	1.73E-03	1.06E-01	1.18E-02	9.90E-06	6.69E-05	5.06E-05	1.20E-02
1996	494411.06	3859451.99	1.13E-02	8.20E-06	6.76E-05	5.02E-05	1.14E-02	1.18E-02	8.38E-02	6.17E-03	1.72E-03	1.03E-01	1.17E-02	9.60E-06	6.76E-05	5.02E-05	1.19E-02
1997	494461.06	3859451.99	1.12E-02	8.12E-06	6.75E-05	4.98E-05	1.13E-02	1.17E-02	8.29E-02	6.16E-03	1.70E-03	1.02E-01	1.17E-02	9.49E-06	6.75E-05	4.98E-05	1.18E-02
1998	494511.06	3859451.99	1.11E-02	7.97E-06	6.76E-05	4.94E-05	1.13E-02	1.16E-02	8.14E-02	6.17E-03	1.69E-03	1.01E-01	1.16E-02	9.32E-06	6.76E-05	4.94E-05	1.17E-02
1999	494561.06	3859451.99	1.11E-02	7.85E-06	6.76E-05	4.90E-05	1.12E-02	1.16E-02	8.02E-02	6.17E-03	1.68E-03	9.96E-02	1.15E-02	9.18E-06	6.76E-05	4.90E-05	1.17E-02
2000	494611.06	3859451.99	1.10E-02	7.78E-06	6.75E-05	4.87E-05	1.12E-02	1.15E-02	7.94E-02	6.15E-03	1.67E-03	9.88E-02	1.15E-02	9.10E-06	6.75E-05	4.87E-05	1.16E-02
2001	494661.06	3859451.99	1.10E-02	7.62E-06	6.76E-05	4.83E-05	1.11E-02	1.14E-02	7.79E-02	6.16E-03	1.65E-03	9.71E-02	1.14E-02	8.92E-06	6.76E-05	4.83E-05	1.15E-02
2002	494711.06	3859451.99	1.09E-02	7.47E-06	6.76E-05	4.78E-05	1.10E-02	1.13E-02	7.63E-02	6.17E-03	1.64E-03	9.55E-02	1.13E-02	8.74E-06	6.76E-05	4.78E-05	1.14E-02
2003	494761.06	3859451.99	1.08E-02	7.35E-06	6.76E-05	4.74E-05	1.09E-02	1.13E-02	7.51E-02	6.16E-03	1.62E-03	9.41E-02	1.12E-02	8.59E-06	6.76E-05	4.74E-05	1.14E-02
2004	494811.06	3859451.99	1.07E-02	7.16E-06	6.76E-05	4.69E-05	1.08E-02	1.11E-02	7.32E-02	6.17E-03	1.60E-03	9.21E-02	1.11E-02	8.38E-06	6.76E-05	4.69E-05	1.12E-02
2005	494861.06	3859451.99	1.06E-02	7.01E-06	6.75E-05	4.64E-05	1.07E-02	1.10E-02	7.16E-02	6.16E-03	1.59E-03	9.04E-02	1.10E-02	8.20E-06	6.75E-05	4.64E-05	1.11E-02
2006	494911.06	3859451.99	1.05E-02	6.90E-06	6.73E-05	4.60E-05	1.06E-02	1.09E-02	7.04E-02	6.14E-03	1.57E-03	8.91E-02	1.09E-02	8.07E-06	6.73E-05	4.60E-05	1.10E-02
2007	494961.06	3859451.99	1.04E-02	6.82E-06	6.70E-05	4.57E-05	1.05E-02	1.09E-02	6.97E-02	6.11E-03	1.56E-03	8.83E-02	1.09E-02	7.98E-06	6.70E-05	4.57E-05	1.10E-02
2008	495011.06	3859451.99	1.04E-02	6.74E-06	6.68E-05	4.53E-05	1.05E-02	1.08E-02	6.88E-02	6.09E-03	1.55E-03	8.73E-02	1.08E-02	7.88E-06	6.68E-05	4.53E-05	1.09E-02
2009	495061.06	3859451.99	1.03E-02	6.65E-06	6.65E-05	4.49E-05	1.04E-02	1.07E-02	6.80E-02	6.07E-03	1.54E-03	8.63E-02	1.07E-02	7.78E-06	6.65E-05	4.49E-05	1.08E-02

2010	495111.06	3859451.99	1.02E-02	6.57E-06	6.63E-05	4.45E-05	1.03E-02	1.07E-02	6.71E-02	6.04E-03	1.52E-03	8.53E-02	1.07E-02	7.68E-06	6.63E-05	4.45E-05	1.08E-02
2011	495161.06	3859451.99	1.02E-02	6.52E-06	6.60E-05	4.42E-05	1.03E-02	1.06E-02	6.66E-02	6.02E-03	1.51E-03	8.48E-02	1.06E-02	7.63E-06	6.60E-05	4.42E-05	1.07E-02
2012	495211.06	3859451.99	1.02E-02	6.49E-06	6.58E-05	4.40E-05	1.03E-02	1.06E-02	6.63E-02	6.00E-03	1.50E-03	8.44E-02	1.06E-02	7.59E-06	6.58E-05	4.40E-05	1.07E-02
2013	495261.06	3859451.99	1.01E-02	6.46E-06	6.55E-05	4.37E-05	1.03E-02	1.06E-02	6.60E-02	5.97E-03	1.50E-03	8.40E-02	1.06E-02	7.55E-06	6.55E-05	4.37E-05	1.07E-02
2014	495311.06	3859451.99	1.01E-02	6.39E-06	6.53E-05	4.34E-05	1.02E-02	1.05E-02	6.53E-02	5.95E-03	1.48E-03	8.32E-02	1.05E-02	7.47E-06	6.53E-05	4.34E-05	1.06E-02
2015	495361.06	3859451.99	1.01E-02	6.33E-06	6.50E-05	4.31E-05	1.02E-02	1.05E-02	6.47E-02	5.93E-03	1.47E-03	8.26E-02	1.05E-02	7.41E-06	6.50E-05	4.31E-05	1.06E-02
2016	495411.06	3859451.99	1.00E-02	6.27E-06	6.48E-05	4.28E-05	1.01E-02	1.04E-02	6.40E-02	5.91E-03	1.46E-03	8.18E-02	1.04E-02	7.33E-06	6.48E-05	4.28E-05	1.05E-02
2017	495461.06	3859451.99	9.96E-03	6.21E-06	6.46E-05	4.25E-05	1.01E-02	1.04E-02	6.35E-02	5.89E-03	1.45E-03	8.12E-02	1.04E-02	7.27E-06	6.46E-05	4.25E-05	1.05E-02
2018	495511.06	3859451.99	9.85E-03	6.09E-06	6.42E-05	4.20E-05	9.96E-03	1.03E-02	6.22E-02	5.86E-03	1.44E-03	7.98E-02	1.03E-02	7.13E-06	6.42E-05	4.20E-05	1.04E-02
2019	495561.06	3859451.99	9.79E-03	6.02E-06	6.40E-05	4.16E-05	9.90E-03	1.02E-02	6.15E-02	5.83E-03	1.42E-03	7.89E-02	1.02E-02	7.04E-06	6.40E-05	4.16E-05	1.03E-02
2020	495611.06	3859451.99	9.72E-03	5.94E-06	6.37E-05	4.13E-05	9.83E-03	1.01E-02	6.07E-02	5.81E-03	1.41E-03	7.81E-02	1.01E-02	6.95E-06	6.37E-05	4.13E-05	1.02E-02
2021	495661.06	3859451.99	9.66E-03	5.87E-06	6.34E-05	4.10E-05	9.77E-03	1.01E-02	6.00E-02	5.78E-03	1.40E-03	7.73E-02	1.01E-02	6.87E-06	6.34E-05	4.10E-05	1.02E-02
2022	494311.06	3859501.99	1.13E-02	8.78E-06	6.39E-05	5.01E-05	1.14E-02	1.18E-02	8.97E-02	5.83E-03	1.71E-03	1.09E-01	1.18E-02	1.03E-05	6.39E-05	5.01E-05	1.19E-02
2023	494361.06	3859501.99	1.12E-02	8.60E-06	6.44E-05	4.98E-05	1.14E-02	1.17E-02	8.78E-02	5.87E-03	1.70E-03	1.07E-01	1.17E-02	1.01E-05	6.44E-05	4.98E-05	1.18E-02
2024	494411.06	3859501.99	1.11E-02	8.29E-06	6.54E-05	4.94E-05	1.12E-02	1.16E-02	8.47E-02	5.97E-03	1.69E-03	1.04E-01	1.16E-02	9.69E-06	6.54E-05	4.94E-05	1.17E-02
2025	494461.06	3859501.99	1.11E-02	8.27E-06	6.50E-05	4.90E-05	1.12E-02	1.16E-02	8.45E-02	5.93E-03	1.68E-03	1.04E-01	1.16E-02	9.68E-06	6.50E-05	4.90E-05	1.17E-02
2026	494511.06	3859501.99	1.10E-02	8.10E-06	6.53E-05	4.87E-05	1.11E-02	1.15E-02	8.28E-02	5.96E-03	1.66E-03	1.02E-01	1.15E-02	9.48E-06	6.53E-05	4.87E-05	1.16E-02
2027	494561.06	3859501.99	1.10E-02	7.96E-06	6.55E-05	4.83E-05	1.11E-02	1.14E-02	8.13E-02	5.97E-03	1.65E-03	1.00E-01	1.14E-02	9.31E-06	6.55E-05	4.83E-05	1.15E-02
2028	494611.06	3859501.99	1.10E-02	7.96E-06	6.50E-05	4.80E-05	1.11E-02	1.14E-02	8.13E-02	5.93E-03	1.64E-03	1.00E-01	1.14E-02	9.31E-06	6.50E-05	4.80E-05	1.15E-02
2029	494661.06	3859501.99	1.09E-02	7.78E-06	6.53E-05	4.76E-05	1.10E-02	1.13E-02	7.94E-02	5.96E-03	1.63E-03	9.84E-02	1.13E-02	9.10E-06	6.53E-05	4.76E-05	1.14E-02
2030	494711.06	3859501.99	1.08E-02	7.57E-06	6.57E-05	4.71E-05	1.09E-02	1.12E-02	7.73E-02	5.99E-03	1.61E-03	9.62E-02	1.12E-02	8.85E-06	6.57E-05	4.71E-05	1.13E-02
2031	494761.06	3859501.99	1.07E-02	7.52E-06	6.55E-05	4.68E-05	1.08E-02	1.12E-02	7.68E-02	5.97E-03	1.60E-03	9.56E-02	1.12E-02	8.80E-06	6.55E-05	4.68E-05	1.13E-02
2032	494811.06	3859501.99	1.06E-02	7.27E-06	6.59E-05	4.63E-05	1.07E-02	1.10E-02	7.43E-02	6.01E-03	1.58E-03	9.29E-02	1.10E-02	8.50E-06	6.59E-05	4.63E-05	1.11E-02
2033	494861.06	3859501.99	1.05E-02	7.16E-06	6.58E-05	4.59E-05	1.06E-02	1.10E-02	7.32E-02	6.00E-03	1.57E-03	9.17E-02	1.10E-02	8.38E-06	6.58E-05	4.59E-05	1.11E-02
2034	494911.06	3859501.99	1.05E-02	7.09E-06	6.56E-05	4.56E-05	1.06E-02	1.09E-02	7.25E-02	5.98E-03	1.56E-03	9.09E-02	1.09E-02	8.30E-06	6.56E-05	4.56E-05	1.10E-02
2035	494961.06	3859501.99	1.04E-02	6.97E-06	6.55E-05	4.52E-05	1.05E-02	1.08E-02	7.12E-02	5.97E-03	1.55E-03	8.95E-02	1.08E-02	8.15E-06	6.55E-05	4.52E-05	1.09E-02
2036	495011.06	3859501.99	1.03E-02	6.90E-06	6.53E-05	4.49E-05	1.05E-02	1.08E-02	7.05E-02	5.95E-03	1.54E-03	8.88E-02	1.08E-02	8.08E-06	6.53E-05	4.49E-05	1.09E-02
2037	495061.06	3859501.99	1.03E-02	6.84E-06	6.50E-05	4.46E-05	1.04E-02	1.08E-02	6.99E-02	5.93E-03	1.52E-03	8.81E-02	1.07E-02	8.01E-06	6.50E-05	4.46E-05	1.09E-02
2038	495111.06	3859501.99	1.02E-02	6.72E-06	6.49E-05	4.42E-05	1.03E-02	1.07E-02	6.87E-02	5.92E-03	1.51E-03	8.68E-02	1.06E-02	7.87E-06	6.49E-05	4.42E-05	1.08E-02
2039	495161.06	3859501.99	1.02E-02	6.67E-06	6.46E-05	4.39E-05	1.03E-02	1.06E-02	6.82E-02	5.89E-03	1.50E-03	8.62E-02	1.06E-02	7.81E-06	6.46E-05	4.39E-05	1.07E-02
2040	495211.06	3859501.99	1.02E-02	6.64E-06	6.43E-05	4.36E-05	1.03E-02	1.06E-02	6.79E-02	5.87E-03	1.49E-03	8.58E-02	1.06E-02	7.77E-06	6.43E-05	4.36E-05	1.07E-02
2041	495261.06	3859501.99	1.01E-02	6.59E-06	6.41E-05	4.33E-05	1.02E-02	1.06E-02	6.73E-02	5.85E-03	1.48E-03	8.52E-02	1.05E-02	7.71E-06	6.41E-05	4.33E-05	1.07E-02
2042	495311.06	3859501.99	1.01E-02	6.55E-06	6.38E-05	4.31E-05	1.02E-02	1.05E-02	6.69E-02	5.82E-03	1.47E-03	8.47E-02	1.05E-02	7.66E-06	6.38E-05	4.31E-05	1.06E-02
2043	495361.06	3859501.99	1.00E-02	6.48E-06	6.36E-05	4.28E-05	1.02E-02	1.05E-02	6.62E-02	5.80E-03	1.46E-03	8.40E-02	1.05E-02	7.58E-06	6.36E-05	4.28E-05	1.06E-02
2044	495411.06	3859501.99	1.00E-02	6.43E-06	6.34E-05	4.25E-05	1.01E-02	1.04E-02	6.57E-02	5.78E-03	1.45E-03	8.34E-02	1.04E-02	7.52E-06	6.34E-05	4.25E-05	1.05E-02
2045	495461.06	3859501.99	9.95E-03	6.35E-06	6.32E-05	4.22E-05	1.01E-02	1.04E-02	6.49E-02	5.76E-03	1.44E-03	8.25E-02	1.04E-02	7.43E-06	6.32E-05	4.22E-05	1.05E-02
2046	495511.06	3859501.99	9.84E-03	6.20E-06	6.31E-05	4.18E-05	9.95E-03	1.03E-02	6.33E-02	5.75E-03	1.43E-03	8.08E-02	1.02E-02	7.25E-06	6.31E-05	4.18E-05	1.04E-02
2047	495561.06	3859501.99	9.80E-03	6.17E-06	6.28E-05	4.14E-05	9.91E-03	1.02E-02	6.30E-02	5.72E-03	1.42E-03	8.04E-02	1.02E-02	7.22E-06	6.28E-05	4.14E-05	1.03E-02
2048	495611.06	3859501.99	9.74E-03	6.09E-06	6.25E-05	4.11E-05	9.85E-03	1.02E-02	6.22E-02	5.70E-03	1.41E-03	7.95E-02	1.01E-02	7.12E-06	6.25E-05	4.11E-05	1.03E-02
2049	495661.06	3859501.99	9.66E-03	6.00E-06	6.23E-05	4.07E-05	9.77E-03	1.01E-02	6.13E-02	5.68E-03	1.39E-03	7.84E-02	1.01E-02	7.02E-06	6.23E-05	4.07E-05	1.02E-02
2050	494311.06	3859551.99	1.12E-02	8.90E-06	6.13E-05	4.91E-05	1.13E-02	1.16E-02	9.10E-02	5.59E-03	1.68E-03	1.10E-01	1.16E-02	1.04E-05	6.13E-05	4.91E-05	1.17E-02
2051	494361.06	3859551.99	1.11E-02	8.68E-06	6.19E-05	4.88E-05	1.12E-02	1.16E-02	8.87E-02	5.64E-03	1.67E-03	1.08E-01	1.15E-02	1.02E-05	6.19E-05	4.88E-05	1.17E-02
2052	494411.06	3859551.99	1.10E-02	8.35E-06	6.31E-05	4.85E-05	1.11E-02	1.14E-02	8.54E-02	5.76E-03	1.66E-03	1.04E-01	1.14E-02	9.77E-06	6.31E-05	4.85E-05	1.15E-02
2053	494461.06	3859551.99	1.10E-02	8.39E-06	6.25E-05	4.81E-05	1.11E-02	1.14E-02	8.57E-02	5.70E-03	1.65E-03	1.05E-01	1.14E-02	9.81E-06	6.25E-05	4.81E-05	1.15E-02
2054	494511.06	3859551.99	1.09E-02	8.23E-06	6.29E-05	4.78E-05	1.10E-02	1.14E-02	8.40E-02	5.74E-03	1.63E-03	1.03E-01	1.13E-02	9.62E-06	6.29E-05	4.78E-05	1.15E-02
2055	494561.06	3859551.99	1.08E-02	8.10E-06	6.31E-05	4.75E-05	1.10E-02	1.13E-02	8.28E-02	5.75E-03	1.62E-03	1.01E-01	1.13E-02	9.48E-06	6.31E-05	4.75E-05	1.14E-02
2056	494611.06	3859551.99	1.08E-02	8.03E-06	6.30E-05	4.71E-05	1.09E-02	1.13E-02	8.20E-02	5.74E-03	1.61E-03	1.01E-01	1.13E-02	9.39E-06	6.30E-05	4.71E-05	1.14E-02
2057	494661.06	3859551.99	1.08E-02	7.92E-06	6.30E-05	4.68E-05	1.09E-02	1.12E-02	8.10E-02	5.75E-03	1.60E-03	9.95E-02	1.12E-02	9.27E-06	6.30E-05	4.68E-05	1.13E-02
2058	494711.06	3859551.99	1.06E-02	7.61E-06	6.40E-05	4.64E-05	1.07E-02	1.11E-02	7.78E-02	5.83E-03	1.59E-03	9.62E-02	1.11E-02	8.90E-06	6.40E-05	4.64E-05	1.12E-02
2059	494761.06	3859551.99	1.06E-02	7.65E-06	6.33E-05	4.61E-05	1.07E-02	1.11E-02	7.82E-02	5.77E-03	1.58E-03	9.67E-02	1.11E-02	8.96E-06	6.33E-05	4.61E-05	1.12E-02
2060	494811.06	3859551.99	1.05E-02	7.44E-06	6.38E-05	4.57E-05	1.06E-02	1.10E-02	7.60E-02	5.82E-03	1.56E-03	9.43E-02	1.10E-02	8.70E-06	6.38E-05	4.57E-05	1.11E-02
2061	494861.06	3859551.99	1.05E-02	7.33E-06	6.38E-05	4.54E-05	1.06E-02	1.09E-02	7.49E-02	5.82E-03	1.55E-03	9.32E-02	1.09E-02	8.58E-06	6.38E-05	4.54E-05	1.10E-02
2062	494911.06	3859551.99	1.04E-02	7.21E-06	6.38E-05	4.50E-05	1.05E-02	1.08E-02	7.37E-02	5.82E-03	1.54E-03	9.19E-02	1.08E-02	8.44E-06	6.38E-05	4.50E-05	1.09E-02
2063	494961.06	3859551.99	1.04E-02	7.15E-06	6.36E-05	4.47E-05	1.05E-02	1.08E-02	7.30E-02	5.80E-03	1.53E-03	9.12E-02	1.08E-02	8.36E-06	6.36E-05	4.47E-05	1.09E-02
2064	495011.06	3859551.99	1.03E-02	7.10E-06	6.34E-05	4.44E-05	1.04E-02	1.08E-02	7.25E-02	5.78E-03	1.52E-03	9.06E-02	1.08E-02	8.30E-06	6.34E-05	4.44E-05	1.09E-02
2065	495061.06	3859551.99	1.03E-02	7.01E-06	6.33E-05	4.41E-05	1.04E-02	1.07E-02	7.16E-02	5.77E-03	1.51E-03	8.96E-02	1.07E-02	8.20E-06	6.33E-05	4.41E-05	1.08E-02
2066	495111.06	3859551.99	1.02E-02	6.90E-06	6.32E-05	4.37E-05	1.03E-02	1.06E-02	7.05E-02	5.76E-03	1.50E-03	8.84E-02	1.06E-02	8.07E-06	6.32E-05	4.37E-05	1.07E-02
2067	495161.06	3859551.99	1.02E-02	6.85E-06	6.30E-05	4.34E-05	1.03E-02	1.06E-02	7.00E-02	5.74E-03	1.49E-03	8.79E-02	1.06E-02	8.02E-06	6.30E-05	4.34E-05	1.07E-02
2068	495211.06	3859551.99	1.02E-02	6.82E-06	6.27E-05	4.32E-05	1.03E-02	1.06E-02	6.97E-02	5.72E-03	1.48E-03	8.75E-02	1.06E-02	7.98E-06	6.27E-05	4.32E-05	1.07E-02
2069	495261.06	3859551.99	1.01E-02	6.73E-06	6.26E-05	4.29E-05	1.02E-02	1.05E-02	6.88E-02	5.70E-03	1.47E-03	8.65E-02	1.05E-02	7.88E-06	6.26E-05	4.29E-05	1.06E-02
2070	495311.06	3859551.99	1.00E-02	6.67E-06	6.24E-05	4.26E-05	1.02E-02	1.05E-02	6.81E-02	5.69E-03	1.46E-03	8.57E-02	1.05E-02	7.80E-06	6.24E-05	4.26E-05	1.06E-02

2071	495361.06	3859551.99	1.00E-02	6.61E-06	6.21E-05	4.23E-05	1.01E-02	1.04E-02	6.75E-02	5.67E-03	1.45E-03	8.51E-02	1.04E-02	7.73E-06	6.21E-05	4.23E-05	1.05E-02
2072	495411.06	3859551.99	9.98E-03	6.57E-06	6.19E-05	4.20E-05	1.01E-02	1.04E-02	6.71E-02	5.65E-03	1.44E-03	8.46E-02	1.04E-02	7.68E-06	6.19E-05	4.20E-05	1.05E-02
2073	495461.06	3859551.99	9.90E-03	6.46E-06	6.18E-05	4.17E-05	1.00E-02	1.03E-02	6.60E-02	5.64E-03	1.43E-03	8.34E-02	1.03E-02	7.56E-06	6.18E-05	4.17E-05	1.04E-02
2074	495511.06	3859551.99	9.82E-03	6.35E-06	6.17E-05	4.13E-05	9.93E-03	1.02E-02	6.48E-02	5.63E-03	1.41E-03	8.21E-02	1.02E-02	7.43E-06	6.17E-05	4.13E-05	1.03E-02
2075	495561.06	3859551.99	9.77E-03	6.28E-06	6.15E-05	4.10E-05	9.88E-03	1.02E-02	6.42E-02	5.61E-03	1.40E-03	8.14E-02	1.02E-02	7.35E-06	6.15E-05	4.10E-05	1.03E-02
2076	495611.06	3859551.99	9.72E-03	6.21E-06	6.13E-05	4.07E-05	9.83E-03	1.01E-02	6.34E-02	5.59E-03	1.39E-03	8.06E-02	1.01E-02	7.26E-06	6.13E-05	4.07E-05	1.02E-02
2077	495661.06	3859551.99	9.65E-03	6.12E-06	6.11E-05	4.04E-05	9.76E-03	1.01E-02	6.26E-02	5.57E-03	1.38E-03	7.96E-02	1.01E-02	7.16E-06	6.11E-05	4.04E-05	1.02E-02
2078	494311.06	3859601.99	1.10E-02	9.05E-06	5.84E-05	4.81E-05	1.11E-02	1.15E-02	9.24E-02	5.33E-03	1.65E-03	1.11E-01	1.15E-02	1.06E-05	5.84E-05	4.81E-05	1.16E-02
2079	494361.06	3859601.99	1.09E-02	8.69E-06	5.98E-05	4.79E-05	1.10E-02	1.14E-02	8.88E-02	5.45E-03	1.64E-03	1.07E-01	1.14E-02	1.02E-05	5.98E-05	4.79E-05	1.15E-02
2080	494411.06	3859601.99	1.08E-02	8.50E-06	6.05E-05	4.76E-05	1.10E-02	1.13E-02	8.68E-02	5.52E-03	1.63E-03	1.05E-01	1.13E-02	9.94E-06	6.05E-05	4.76E-05	1.14E-02
2081	494461.06	3859601.99	1.08E-02	8.51E-06	6.00E-05	4.72E-05	1.09E-02	1.13E-02	8.69E-02	5.47E-03	1.61E-03	1.05E-01	1.13E-02	9.96E-06	6.00E-05	4.72E-05	1.14E-02
2082	494511.06	3859601.99	1.07E-02	8.29E-06	6.07E-05	4.69E-05	1.09E-02	1.12E-02	8.46E-02	5.54E-03	1.60E-03	1.03E-01	1.12E-02	9.69E-06	6.07E-05	4.69E-05	1.13E-02
2083	494561.06	3859601.99	1.07E-02	8.27E-06	6.04E-05	4.66E-05	1.08E-02	1.12E-02	8.44E-02	5.51E-03	1.59E-03	1.03E-01	1.12E-02	9.67E-06	6.04E-05	4.66E-05	1.13E-02
2084	494611.06	3859601.99	1.07E-02	8.20E-06	6.02E-05	4.63E-05	1.08E-02	1.12E-02	8.38E-02	5.49E-03	1.58E-03	1.02E-01	1.11E-02	9.60E-06	6.02E-05	4.63E-05	1.13E-02
2085	494661.06	3859601.99	1.06E-02	7.95E-06	6.10E-05	4.60E-05	1.07E-02	1.11E-02	8.13E-02	5.56E-03	1.57E-03	9.95E-02	1.10E-02	9.31E-06	6.10E-05	4.60E-05	1.12E-02
2086	494711.06	3859601.99	1.05E-02	7.75E-06	6.17E-05	4.56E-05	1.06E-02	1.10E-02	7.91E-02	5.63E-03	1.56E-03	9.73E-02	1.09E-02	9.06E-06	6.17E-05	4.56E-05	1.11E-02
2087	494761.06	3859601.99	1.05E-02	7.84E-06	6.07E-05	4.53E-05	1.07E-02	1.10E-02	8.01E-02	5.54E-03	1.55E-03	9.82E-02	1.10E-02	9.18E-06	6.07E-05	4.53E-05	1.11E-02
2088	494811.06	3859601.99	1.04E-02	7.61E-06	6.15E-05	4.50E-05	1.06E-02	1.09E-02	7.78E-02	5.61E-03	1.54E-03	9.58E-02	1.09E-02	8.90E-06	6.15E-05	4.50E-05	1.10E-02
2089	494861.06	3859601.99	1.04E-02	7.52E-06	6.14E-05	4.47E-05	1.05E-02	1.09E-02	7.68E-02	5.60E-03	1.53E-03	9.48E-02	1.08E-02	8.80E-06	6.14E-05	4.47E-05	1.09E-02
2090	494911.06	3859601.99	1.03E-02	7.35E-06	6.18E-05	4.43E-05	1.04E-02	1.08E-02	7.51E-02	5.63E-03	1.52E-03	9.30E-02	1.07E-02	8.60E-06	6.18E-05	4.43E-05	1.09E-02
2091	494961.06	3859601.99	1.03E-02	7.37E-06	6.13E-05	4.41E-05	1.04E-02	1.08E-02	7.53E-02	5.59E-03	1.51E-03	9.31E-02	1.07E-02	8.62E-06	6.13E-05	4.41E-05	1.09E-02
2092	495011.06	3859601.99	1.02E-02	7.19E-06	6.16E-05	4.37E-05	1.03E-02	1.07E-02	7.35E-02	5.62E-03	1.50E-03	9.13E-02	1.07E-02	8.42E-06	6.16E-05	4.37E-05	1.08E-02
2093	495061.06	3859601.99	1.02E-02	7.17E-06	6.13E-05	4.35E-05	1.03E-02	1.07E-02	7.32E-02	5.59E-03	1.49E-03	9.10E-02	1.06E-02	8.39E-06	6.13E-05	4.35E-05	1.08E-02
2094	495111.06	3859601.99	1.02E-02	7.05E-06	6.14E-05	4.31E-05	1.03E-02	1.06E-02	7.20E-02	5.60E-03	1.48E-03	8.97E-02	1.06E-02	8.24E-06	6.14E-05	4.31E-05	1.07E-02
2095	495161.06	3859601.99	1.01E-02	7.01E-06	6.11E-05	4.29E-05	1.02E-02	1.06E-02	7.16E-02	5.58E-03	1.47E-03	8.92E-02	1.05E-02	8.20E-06	6.11E-05	4.29E-05	1.07E-02
2096	495211.06	3859601.99	1.01E-02	6.94E-06	6.10E-05	4.26E-05	1.02E-02	1.05E-02	7.09E-02	5.56E-03	1.46E-03	8.84E-02	1.05E-02	8.12E-06	6.10E-05	4.26E-05	1.06E-02
2097	495261.06	3859601.99	1.01E-02	6.88E-06	6.08E-05	4.23E-05	1.02E-02	1.05E-02	7.03E-02	5.55E-03	1.45E-03	8.78E-02	1.05E-02	8.05E-06	6.08E-05	4.23E-05	1.06E-02
2098	495311.06	3859601.99	1.00E-02	6.84E-06	6.06E-05	4.21E-05	1.01E-02	1.05E-02	6.99E-02	5.52E-03	1.44E-03	8.73E-02	1.04E-02	8.00E-06	6.06E-05	4.21E-05	1.05E-02
2099	495361.06	3859601.99	9.97E-03	6.76E-06	6.05E-05	4.18E-05	1.01E-02	1.04E-02	6.91E-02	5.51E-03	1.43E-03	8.64E-02	1.04E-02	7.91E-06	6.05E-05	4.18E-05	1.05E-02
2100	495411.06	3859601.99	9.94E-03	6.71E-06	6.03E-05	4.15E-05	1.00E-02	1.04E-02	6.86E-02	5.50E-03	1.42E-03	8.59E-02	1.03E-02	7.85E-06	6.03E-05	4.15E-05	1.05E-02
2101	495461.06	3859601.99	9.85E-03	6.58E-06	6.03E-05	4.12E-05	9.96E-03	1.03E-02	6.72E-02	5.50E-03	1.41E-03	8.44E-02	1.03E-02	7.69E-06	6.03E-05	4.12E-05	1.04E-02
2102	495511.06	3859601.99	9.77E-03	6.46E-06	6.03E-05	4.08E-05	9.88E-03	1.02E-02	6.60E-02	5.50E-03	1.40E-03	8.31E-02	1.02E-02	7.55E-06	6.03E-05	4.08E-05	1.03E-02
2103	495561.06	3859601.99	9.76E-03	6.43E-06	6.00E-05	4.06E-05	9.86E-03	1.02E-02	6.57E-02	5.48E-03	1.39E-03	8.27E-02	1.02E-02	7.52E-06	6.00E-05	4.06E-05	1.03E-02
2104	495611.06	3859601.99	9.66E-03	6.30E-06	6.00E-05	4.03E-05	9.77E-03	1.01E-02	6.43E-02	5.47E-03	1.38E-03	8.13E-02	1.01E-02	7.37E-06	6.00E-05	4.03E-05	1.02E-02
2105	495661.06	3859601.99	9.63E-03	6.25E-06	5.98E-05	4.00E-05	9.73E-03	1.00E-02	6.38E-02	5.45E-03	1.37E-03	8.07E-02	1.00E-02	7.31E-06	5.98E-05	4.00E-05	1.01E-02
2106	494311.06	3859651.99	1.09E-02	9.08E-06	5.61E-05	4.71E-05	1.10E-02	1.13E-02	9.28E-02	5.12E-03	1.61E-03	1.11E-01	1.13E-02	1.06E-05	5.61E-05	4.71E-05	1.14E-02
2107	494361.06	3859651.99	1.08E-02	8.76E-06	5.74E-05	4.69E-05	1.09E-02	1.12E-02	8.95E-02	5.24E-03	1.60E-03	1.08E-01	1.12E-02	1.03E-05	5.74E-05	4.69E-05	1.13E-02
2108	494411.06	3859651.99	1.07E-02	8.64E-06	5.77E-05	4.66E-05	1.08E-02	1.12E-02	8.83E-02	5.26E-03	1.59E-03	1.06E-01	1.11E-02	1.01E-05	5.77E-05	4.66E-05	1.13E-02
2109	494461.06	3859651.99	1.07E-02	8.64E-06	5.72E-05	4.62E-05	1.08E-02	1.12E-02	8.83E-02	5.22E-03	1.58E-03	1.06E-01	1.11E-02	1.01E-05	5.72E-05	4.62E-05	1.12E-02
2110	494511.06	3859651.99	1.06E-02	8.50E-06	5.76E-05	4.59E-05	1.08E-02	1.11E-02	8.69E-02	5.25E-03	1.57E-03	1.05E-01	1.11E-02	9.95E-06	5.76E-05	4.59E-05	1.12E-02
2111	494561.06	3859651.99	1.06E-02	8.42E-06	5.76E-05	4.56E-05	1.07E-02	1.11E-02	8.60E-02	5.25E-03	1.56E-03	1.04E-01	1.10E-02	9.85E-06	5.76E-05	4.56E-05	1.12E-02
2112	494611.06	3859651.99	1.06E-02	8.33E-06	5.77E-05	4.53E-05	1.07E-02	1.10E-02	8.51E-02	5.26E-03	1.55E-03	1.03E-01	1.10E-02	9.74E-06	5.77E-05	4.53E-05	1.11E-02
2113	494661.06	3859651.99	1.05E-02	8.05E-06	5.87E-05	4.51E-05	1.06E-02	1.09E-02	8.23E-02	5.35E-03	1.54E-03	1.00E-01	1.09E-02	9.42E-06	5.87E-05	4.51E-05	1.10E-02
2114	494711.06	3859651.99	1.04E-02	7.97E-06	5.87E-05	4.48E-05	1.06E-02	1.09E-02	8.14E-02	5.35E-03	1.53E-03	9.92E-02	1.09E-02	9.33E-06	5.87E-05	4.48E-05	1.10E-02
2115	494761.06	3859651.99	1.04E-02	7.92E-06	5.86E-05	4.45E-05	1.05E-02	1.09E-02	8.09E-02	5.34E-03	1.52E-03	9.87E-02	1.08E-02	9.27E-06	5.86E-05	4.45E-05	1.10E-02
2116	494811.06	3859651.99	1.03E-02	7.77E-06	5.90E-05	4.42E-05	1.05E-02	1.08E-02	7.94E-02	5.38E-03	1.51E-03	9.70E-02	1.08E-02	9.09E-06	5.90E-05	4.42E-05	1.09E-02
2117	494861.06	3859651.99	1.03E-02	7.69E-06	5.90E-05	4.39E-05	1.04E-02	1.08E-02	7.86E-02	5.38E-03	1.50E-03	9.62E-02	1.07E-02	9.00E-06	5.90E-05	4.39E-05	1.08E-02
2118	494911.06	3859651.99	1.03E-02	7.58E-06	5.91E-05	4.36E-05	1.04E-02	1.07E-02	7.75E-02	5.39E-03	1.49E-03	9.51E-02	1.07E-02	8.87E-06	5.91E-05	4.36E-05	1.08E-02
2119	494961.06	3859651.99	1.02E-02	7.50E-06	5.91E-05	4.33E-05	1.03E-02	1.07E-02	7.66E-02	5.39E-03	1.48E-03	9.42E-02	1.06E-02	8.78E-06	5.91E-05	4.33E-05	1.08E-02
2120	495011.06	3859651.99	1.02E-02	7.40E-06	5.92E-05	4.30E-05	1.03E-02	1.06E-02	7.56E-02	5.39E-03	1.47E-03	9.31E-02	1.06E-02	8.66E-06	5.92E-05	4.30E-05	1.07E-02
2121	495061.06	3859651.99	1.01E-02	7.34E-06	5.90E-05	4.28E-05	1.03E-02	1.06E-02	7.50E-02	5.38E-03	1.46E-03	9.24E-02	1.06E-02	8.59E-06	5.90E-05	4.28E-05	1.07E-02
2122	495111.06	3859651.99	1.01E-02	7.23E-06	5.91E-05	4.25E-05	1.02E-02	1.05E-02	7.39E-02	5.39E-03	1.45E-03	9.13E-02	1.05E-02	8.46E-06	5.91E-05	4.25E-05	1.06E-02
2123	495161.06	3859651.99	1.01E-02	7.16E-06	5.91E-05	4.22E-05	1.02E-02	1.05E-02	7.32E-02	5.39E-03	1.44E-03	9.05E-02	1.05E-02	8.38E-06	5.91E-05	4.22E-05	1.06E-02
2124	495211.06	3859651.99	1.00E-02	7.10E-06	5.89E-05	4.20E-05	1.01E-02	1.05E-02	7.26E-02	5.37E-03	1.43E-03	8.99E-02	1.04E-02	8.31E-06	5.89E-05	4.20E-05	1.05E-02
2125	495261.06	3859651.99	9.98E-03	7.03E-06	5.89E-05	4.17E-05	1.01E-02	1.04E-02	7.18E-02	5.37E-03	1.43E-03	8.90E-02	1.04E-02	8.22E-06	5.89E-05	4.17E-05	1.05E-02
2126	495311.06	3859651.99	9.95E-03	6.96E-06	5.87E-05	4.14E-05	1.01E-02	1.04E-02	7.11E-02	5.36E-03	1.42E-03	8.83E-02	1.04E-02	8.15E-06	5.87E-05	4.14E-05	1.05E-02
2127	495361.06	3859651.99	9.91E-03	6.91E-06	5.86E-05	4.12E-05	1.00E-02	1.03E-02	7.06E-02	5.34E-03	1.41E-03	8.77E-02	1.03E-02	8.08E-06	5.86E-05	4.12E-05	1.04E-02
2128	495411.06	3859651.99	9.87E-03	6.83E-06	5.85E-05	4.09E-05	9.98E-03	1.03E-02	6.98E-02	5.34E-03	1.40E-03	8.68E-02	1.03E-02	7.99E-06	5.85E-05	4.09E-05	1.04E-02
2129	495461.06	3859651.99	9.80E-03	6.70E-06	5.87E-05	4.06E-05	9.90E-03	1.02E-02	6.85E-02	5.35E-03	1.39E-03	8.54E-02	1.02E-02	7.84E-06	5.87E-05	4.06E-05	1.03E-02
2130	495511.06	3859651.99	9.73E-03	6.59E-06	5.87E-05	4.03E-05	9.84E-03	1.02E-02	6.73E-02	5.36E-03	1.38E-03	8.42E-02	1.01E-02	7.71E-06	5.87E-05	4.03E-05	1.02E-02
2131	495561.06	3859651.99	9.69E-03	6.53E-06	5.86E-05	4.01E-05	9.80E-03	1.01E-02	6.67E-02	5.34E-03	1.37E-03	8.36E-02	1.01E-02	7.64E-06	5.86E-05	4.01E-05	1.02E-02

2132	495611.06	3859651.99	9.64E-03	6.45E-06	5.85E-05	3.98E-05	9.75E-03	1.01E-02	6.59E-02	5.33E-03	1.36E-03	8.27E-02	1.00E-02	7.55E-06	5.85E-05	3.98E-05	1.01E-02
2133	495661.06	3859651.99	9.58E-03	6.36E-06	5.84E-05	3.95E-05	9.69E-03	1.00E-02	6.50E-02	5.33E-03	1.35E-03	8.17E-02	9.98E-03	7.45E-06	5.84E-05	3.95E-05	1.01E-02
2134	494311.06	3859701.99	1.07E-02	8.92E-06	5.47E-05	4.62E-05	1.08E-02	1.11E-02	9.11E-02	4.99E-03	1.58E-03	1.09E-01	1.11E-02	1.04E-05	5.47E-05	4.62E-05	1.12E-02
2135	494361.06	3859701.99	1.06E-02	8.78E-06	5.52E-05	4.59E-05	1.07E-02	1.11E-02	8.97E-02	5.03E-03	1.57E-03	1.07E-01	1.10E-02	1.03E-05	5.52E-05	4.59E-05	1.11E-02
2136	494411.06	3859701.99	1.06E-02	8.71E-06	5.52E-05	4.56E-05	1.07E-02	1.10E-02	8.90E-02	5.03E-03	1.56E-03	1.07E-01	1.10E-02	1.02E-05	5.52E-05	4.56E-05	1.11E-02
2137	494461.06	3859701.99	1.06E-02	8.76E-06	5.45E-05	4.52E-05	1.07E-02	1.10E-02	8.95E-02	4.97E-03	1.55E-03	1.07E-01	1.10E-02	1.02E-05	5.45E-05	4.52E-05	1.11E-02
2138	494511.06	3859701.99	1.05E-02	8.64E-06	5.48E-05	4.49E-05	1.06E-02	1.10E-02	8.83E-02	5.00E-03	1.54E-03	1.06E-01	1.09E-02	1.01E-05	5.48E-05	4.49E-05	1.11E-02
2139	494561.06	3859701.99	1.05E-02	8.56E-06	5.48E-05	4.46E-05	1.06E-02	1.09E-02	8.75E-02	5.00E-03	1.53E-03	1.05E-01	1.09E-02	1.00E-05	5.48E-05	4.46E-05	1.10E-02
2140	494611.06	3859701.99	1.04E-02	8.48E-06	5.49E-05	4.43E-05	1.05E-02	1.09E-02	8.66E-02	5.01E-03	1.52E-03	1.04E-01	1.09E-02	9.92E-06	5.49E-05	4.43E-05	1.10E-02
2141	494661.06	3859701.99	1.03E-02	8.17E-06	5.62E-05	4.41E-05	1.05E-02	1.08E-02	8.35E-02	5.12E-03	1.51E-03	1.01E-01	1.08E-02	9.56E-06	5.62E-05	4.41E-05	1.09E-02
2142	494711.06	3859701.99	1.03E-02	8.15E-06	5.59E-05	4.38E-05	1.04E-02	1.08E-02	8.32E-02	5.10E-03	1.50E-03	1.01E-01	1.08E-02	9.53E-06	5.59E-05	4.38E-05	1.09E-02
2143	494761.06	3859701.99	1.03E-02	8.01E-06	5.63E-05	4.36E-05	1.04E-02	1.07E-02	8.18E-02	5.13E-03	1.49E-03	9.92E-02	1.07E-02	9.37E-06	5.63E-05	4.36E-05	1.08E-02
2144	494811.06	3859701.99	1.02E-02	7.87E-06	5.66E-05	4.33E-05	1.03E-02	1.07E-02	8.04E-02	5.17E-03	1.48E-03	9.77E-02	1.06E-02	9.21E-06	5.66E-05	4.33E-05	1.08E-02
2145	494861.06	3859701.99	1.02E-02	7.85E-06	5.63E-05	4.30E-05	1.03E-02	1.06E-02	8.02E-02	5.13E-03	1.47E-03	9.75E-02	1.06E-02	9.19E-06	5.63E-05	4.30E-05	1.07E-02
2146	494911.06	3859701.99	1.02E-02	7.74E-06	5.65E-05	4.28E-05	1.03E-02	1.06E-02	7.91E-02	5.15E-03	1.46E-03	9.63E-02	1.06E-02	9.06E-06	5.65E-05	4.28E-05	1.07E-02
2147	494961.06	3859701.99	1.01E-02	7.63E-06	5.67E-05	4.25E-05	1.02E-02	1.06E-02	7.80E-02	5.17E-03	1.45E-03	9.52E-02	1.05E-02	8.93E-06	5.67E-05	4.25E-05	1.06E-02
2148	495011.06	3859701.99	1.01E-02	7.58E-06	5.66E-05	4.22E-05	1.02E-02	1.05E-02	7.74E-02	5.16E-03	1.44E-03	9.45E-02	1.05E-02	8.86E-06	5.66E-05	4.22E-05	1.06E-02
2149	495061.06	3859701.99	1.01E-02	7.49E-06	5.67E-05	4.20E-05	1.02E-02	1.05E-02	7.65E-02	5.17E-03	1.43E-03	9.36E-02	1.05E-02	8.76E-06	5.67E-05	4.20E-05	1.06E-02
2150	495111.06	3859701.99	1.00E-02	7.40E-06	5.67E-05	4.17E-05	1.01E-02	1.04E-02	7.56E-02	5.17E-03	1.43E-03	9.27E-02	1.04E-02	8.66E-06	5.67E-05	4.17E-05	1.05E-02
2151	495161.06	3859701.99	9.97E-03	7.30E-06	5.68E-05	4.15E-05	1.01E-02	1.04E-02	7.46E-02	5.18E-03	1.42E-03	9.16E-02	1.04E-02	8.55E-06	5.68E-05	4.15E-05	1.05E-02
2152	495211.06	3859701.99	9.92E-03	7.20E-06	5.70E-05	4.12E-05	1.00E-02	1.04E-02	7.36E-02	5.19E-03	1.41E-03	9.06E-02	1.03E-02	8.43E-06	5.70E-05	4.12E-05	1.04E-02
2153	495261.06	3859701.99	9.90E-03	7.18E-06	5.67E-05	4.10E-05	1.00E-02	1.03E-02	7.34E-02	5.17E-03	1.40E-03	9.03E-02	1.03E-02	8.40E-06	5.67E-05	4.10E-05	1.04E-02
2154	495311.06	3859701.99	9.86E-03	7.09E-06	5.67E-05	4.07E-05	9.96E-03	1.03E-02	7.24E-02	5.17E-03	1.39E-03	8.93E-02	1.03E-02	8.30E-06	5.67E-05	4.07E-05	1.04E-02
2155	495361.06	3859701.99	9.82E-03	7.00E-06	5.67E-05	4.05E-05	9.92E-03	1.02E-02	7.16E-02	5.18E-03	1.38E-03	8.84E-02	1.02E-02	8.19E-06	5.67E-05	4.05E-05	1.03E-02
2156	495411.06	3859701.99	9.76E-03	6.89E-06	5.69E-05	4.02E-05	9.87E-03	1.02E-02	7.04E-02	5.19E-03	1.38E-03	8.72E-02	1.02E-02	8.06E-06	5.69E-05	4.02E-05	1.03E-02
2157	495461.06	3859701.99	9.72E-03	6.81E-06	5.69E-05	4.00E-05	9.82E-03	1.01E-02	6.95E-02	5.19E-03	1.37E-03	8.62E-02	1.01E-02	7.96E-06	5.69E-05	4.00E-05	1.02E-02
2158	495511.06	3859701.99	9.64E-03	6.65E-06	5.72E-05	3.97E-05	9.74E-03	1.01E-02	6.79E-02	5.22E-03	1.36E-03	8.46E-02	1.00E-02	7.78E-06	5.72E-05	3.97E-05	1.01E-02
2159	495561.06	3859701.99	9.63E-03	6.65E-06	5.69E-05	3.95E-05	9.73E-03	1.00E-02	6.79E-02	5.19E-03	1.35E-03	8.45E-02	1.00E-02	7.78E-06	5.69E-05	3.95E-05	1.01E-02
2160	495611.06	3859701.99	9.58E-03	6.57E-06	5.68E-05	3.92E-05	9.68E-03	1.00E-02	6.71E-02	5.18E-03	1.34E-03	8.36E-02	9.98E-03	7.69E-06	5.68E-05	3.92E-05	1.01E-02
2161	495661.06	3859701.99	9.53E-03	6.49E-06	5.68E-05	3.90E-05	9.63E-03	9.95E-03	6.63E-02	5.18E-03	1.33E-03	8.27E-02	9.93E-03	7.59E-06	5.68E-05	3.90E-05	1.00E-02
2162	494311.06	3859751.99	1.05E-02	9.09E-06	5.18E-05	4.51E-05	1.06E-02	1.10E-02	9.28E-02	4.72E-03	1.54E-03	1.10E-01	1.10E-02	1.06E-05	5.18E-05	4.51E-05	1.11E-02
2163	494361.06	3859751.99	1.05E-02	8.97E-06	5.20E-05	4.48E-05	1.06E-02	1.09E-02	9.16E-02	4.75E-03	1.53E-03	1.09E-01	1.09E-02	1.05E-05	5.20E-05	4.48E-05	1.10E-02
2164	494411.06	3859751.99	1.04E-02	8.82E-06	5.25E-05	4.46E-05	1.05E-02	1.09E-02	9.01E-02	4.78E-03	1.52E-03	1.07E-01	1.09E-02	1.03E-05	5.25E-05	4.46E-05	1.10E-02
2165	494461.06	3859751.99	1.04E-02	8.83E-06	5.21E-05	4.42E-05	1.05E-02	1.09E-02	9.02E-02	4.75E-03	1.51E-03	1.07E-01	1.08E-02	1.03E-05	5.21E-05	4.42E-05	1.10E-02
2166	494511.06	3859751.99	1.04E-02	8.80E-06	5.19E-05	4.39E-05	1.05E-02	1.08E-02	8.99E-02	4.74E-03	1.50E-03	1.07E-01	1.08E-02	1.03E-05	5.19E-05	4.39E-05	1.09E-02
2167	494561.06	3859751.99	1.03E-02	8.69E-06	5.22E-05	4.36E-05	1.04E-02	1.08E-02	8.87E-02	4.76E-03	1.49E-03	1.06E-01	1.08E-02	1.02E-05	5.22E-05	4.36E-05	1.09E-02
2168	494611.06	3859751.99	1.03E-02	8.54E-06	5.26E-05	4.34E-05	1.04E-02	1.07E-02	8.73E-02	4.79E-03	1.48E-03	1.04E-01	1.07E-02	9.99E-06	5.26E-05	4.34E-05	1.08E-02
2169	494661.06	3859751.99	1.02E-02	8.31E-06	5.33E-05	4.32E-05	1.03E-02	1.07E-02	8.49E-02	4.86E-03	1.48E-03	1.02E-01	1.07E-02	9.72E-06	5.33E-05	4.32E-05	1.08E-02
2170	494711.06	3859751.99	1.02E-02	8.29E-06	5.32E-05	4.29E-05	1.03E-02	1.06E-02	8.46E-02	4.85E-03	1.47E-03	1.02E-01	1.06E-02	9.69E-06	5.32E-05	4.29E-05	1.07E-02
2171	494761.06	3859751.99	1.02E-02	8.21E-06	5.32E-05	4.26E-05	1.03E-02	1.06E-02	8.39E-02	4.86E-03	1.46E-03	1.01E-01	1.06E-02	9.61E-06	5.32E-05	4.26E-05	1.07E-02
2172	494811.06	3859751.99	1.01E-02	8.09E-06	5.36E-05	4.23E-05	1.02E-02	1.06E-02	8.26E-02	4.88E-03	1.45E-03	9.95E-02	1.05E-02	9.46E-06	5.36E-05	4.23E-05	1.07E-02
2173	494861.06	3859751.99	1.01E-02	8.00E-06	5.37E-05	4.21E-05	1.02E-02	1.05E-02	8.17E-02	4.89E-03	1.44E-03	9.86E-02	1.05E-02	9.36E-06	5.37E-05	4.21E-05	1.06E-02
2174	494911.06	3859751.99	1.01E-02	7.91E-06	5.38E-05	4.18E-05	1.02E-02	1.05E-02	8.08E-02	4.90E-03	1.43E-03	9.77E-02	1.05E-02	9.26E-06	5.38E-05	4.18E-05	1.06E-02
2175	494961.06	3859751.99	1.00E-02	7.83E-06	5.39E-05	4.16E-05	1.01E-02	1.05E-02	8.00E-02	4.91E-03	1.42E-03	9.67E-02	1.04E-02	9.16E-06	5.39E-05	4.16E-05	1.05E-02
2176	495011.06	3859751.99	9.98E-03	7.73E-06	5.40E-05	4.14E-05	1.01E-02	1.04E-02	7.90E-02	4.93E-03	1.41E-03	9.57E-02	1.04E-02	9.04E-06	5.40E-05	4.14E-05	1.05E-02
2177	495061.06	3859751.99	9.95E-03	7.67E-06	5.40E-05	4.11E-05	1.01E-02	1.04E-02	7.83E-02	4.92E-03	1.41E-03	9.50E-02	1.04E-02	8.97E-06	5.40E-05	4.11E-05	1.05E-02
2178	495111.06	3859751.99	9.92E-03	7.58E-06	5.41E-05	4.09E-05	1.00E-02	1.03E-02	7.74E-02	4.93E-03	1.40E-03	9.41E-02	1.03E-02	8.86E-06	5.41E-05	4.09E-05	1.04E-02
2179	495161.06	3859751.99	9.88E-03	7.47E-06	5.43E-05	4.06E-05	9.98E-03	1.03E-02	7.64E-02	4.95E-03	1.39E-03	9.30E-02	1.03E-02	8.75E-06	5.43E-05	4.06E-05	1.04E-02
2180	495211.06	3859751.99	9.83E-03	7.37E-06	5.45E-05	4.04E-05	9.93E-03	1.03E-02	7.53E-02	4.97E-03	1.38E-03	9.19E-02	1.02E-02	8.62E-06	5.45E-05	4.04E-05	1.03E-02
2181	495261.06	3859751.99	9.80E-03	7.30E-06	5.45E-05	4.02E-05	9.90E-03	1.02E-02	7.46E-02	4.97E-03	1.37E-03	9.12E-02	1.02E-02	8.55E-06	5.45E-05	4.02E-05	1.03E-02
2182	495311.06	3859751.99	9.76E-03	7.21E-06	5.46E-05	3.99E-05	9.86E-03	1.02E-02	7.37E-02	4.98E-03	1.37E-03	9.02E-02	1.02E-02	8.44E-06	5.46E-05	3.99E-05	1.03E-02
2183	495361.06	3859751.99	9.72E-03	7.13E-06	5.46E-05	3.97E-05	9.83E-03	1.01E-02	7.29E-02	4.98E-03	1.36E-03	8.94E-02	1.01E-02	8.35E-06	5.46E-05	3.97E-05	1.02E-02
2184	495411.06	3859751.99	9.69E-03	7.06E-06	5.46E-05	3.95E-05	9.79E-03	1.01E-02	7.21E-02	4.98E-03	1.35E-03	8.85E-02	1.01E-02	8.25E-06	5.46E-05	3.95E-05	1.02E-02
2185	495461.06	3859751.99	9.64E-03	6.94E-06	5.49E-05	3.93E-05	9.74E-03	1.01E-02	7.09E-02	5.00E-03	1.34E-03	8.73E-02	1.00E-02	8.12E-06	5.49E-05	3.93E-05	1.01E-02
2186	495511.06	3859751.99	9.58E-03	6.82E-06	5.51E-05	3.90E-05	9.68E-03	1.00E-02	6.97E-02	5.03E-03	1.33E-03	8.61E-02	9.98E-03	7.98E-06	5.51E-05	3.90E-05	1.01E-02
2187	495561.06	3859751.99	9.54E-03	6.74E-06	5.51E-05	3.88E-05	9.64E-03	9.96E-03	6.89E-02	5.03E-03	1.33E-03	8.52E-02	9.94E-03	7.89E-06	5.51E-05	3.88E-05	1.00E-02
2188	495611.06	3859751.99	9.50E-03	6.67E-06	5.51E-05	3.86E-05	9.60E-03	9.91E-03	6.81E-02	5.03E-03	1.32E-03	8.44E-02	9.89E-03	7.80E-06	5.51E-05	3.86E-05	9.99E-03
2189	495661.06	3859751.99	9.47E-03	6.61E-06	5.50E-05	3.84E-05	9.57E-03	9.88E-03	6.76E-02	5.02E-03	1.31E-03	8.38E-02	9.86E-03	7.74E-06	5.50E-05	3.84E-05	9.96E-03
2190	494311.06	3859801.99	1.04E-02	9.24E-06	4.90E-05	4.40E-05	1.05E-02	1.09E-02	9.44E-02	4.47E-03	1.51E-03	1.11E-01	1.08E-02	1.08E-05	4.90E-05	4.40E-05	1.09E-02
2191	494361.06	3859801.99	1.04E-02	9.07E-06	4.94E-05	4.38E-05	1.05E-02	1.08E-02	9.27E-02	4.51E-03	1.50E-03	1.10E-01	1.08E-02	1.06E-05	4.94E-05	4.38E-05	1.09E-02
2192	494411.06	3859801.99	1.03E-02	8.89E-06	5.00E-05	4.36E-05	1.04E-02	1.07E-02	9.09E-02	4.56E-03	1.49E-03	1.08E-01	1.07E-02	1.04E-05	5.00E-05	4.36E-05	1.08E-02

2193	494461.06	3859801.99	1.03E-02	8.89E-06	4.97E-05	4.32E-05	1.04E-02	1.07E-02	9.09E-02	4.53E-03	1.48E-03	1.08E-01	1.07E-02	1.04E-05	4.97E-05	4.32E-05	1.08E-02
2194	494511.06	3859801.99	1.03E-02	8.90E-06	4.94E-05	4.29E-05	1.04E-02	1.07E-02	9.10E-02	4.50E-03	1.47E-03	1.08E-01	1.07E-02	1.04E-05	4.94E-05	4.29E-05	1.08E-02
2195	494561.06	3859801.99	1.02E-02	8.80E-06	4.96E-05	4.26E-05	1.03E-02	1.07E-02	8.99E-02	4.52E-03	1.46E-03	1.07E-01	1.06E-02	1.03E-05	4.96E-05	4.26E-05	1.07E-02
2196	494611.06	3859801.99	1.02E-02	8.59E-06	5.03E-05	4.24E-05	1.03E-02	1.06E-02	8.78E-02	4.59E-03	1.45E-03	1.04E-01	1.06E-02	1.00E-05	5.03E-05	4.24E-05	1.07E-02
2197	494661.06	3859801.99	1.01E-02	8.47E-06	5.06E-05	4.22E-05	1.02E-02	1.05E-02	8.66E-02	4.61E-03	1.44E-03	1.03E-01	1.05E-02	9.91E-06	5.06E-05	4.22E-05	1.06E-02
2198	494711.06	3859801.99	1.01E-02	8.33E-06	5.10E-05	4.19E-05	1.02E-02	1.05E-02	8.51E-02	4.65E-03	1.43E-03	1.02E-01	1.05E-02	9.74E-06	5.10E-05	4.19E-05	1.06E-02
2199	494761.06	3859801.99	1.00E-02	8.34E-06	5.06E-05	4.16E-05	1.01E-02	1.05E-02	8.52E-02	4.62E-03	1.42E-03	1.02E-01	1.05E-02	9.75E-06	5.06E-05	4.16E-05	1.06E-02
2200	494811.06	3859801.99	1.00E-02	8.22E-06	5.09E-05	4.14E-05	1.01E-02	1.04E-02	8.40E-02	4.64E-03	1.42E-03	1.01E-01	1.04E-02	9.62E-06	5.09E-05	4.14E-05	1.05E-02
2201	494861.06	3859801.99	9.98E-03	8.15E-06	5.10E-05	4.11E-05	1.01E-02	1.04E-02	8.32E-02	4.65E-03	1.41E-03	9.97E-02	1.04E-02	9.53E-06	5.10E-05	4.11E-05	1.05E-02
2202	494911.06	3859801.99	9.93E-03	8.03E-06	5.13E-05	4.09E-05	1.00E-02	1.04E-02	8.20E-02	4.68E-03	1.40E-03	9.84E-02	1.03E-02	9.39E-06	5.13E-05	4.09E-05	1.04E-02
2203	494961.06	3859801.99	9.90E-03	7.94E-06	5.14E-05	4.07E-05	1.00E-02	1.03E-02	8.11E-02	4.69E-03	1.39E-03	9.75E-02	1.03E-02	9.29E-06	5.14E-05	4.07E-05	1.04E-02
2204	495011.06	3859801.99	9.86E-03	7.85E-06	5.16E-05	4.05E-05	9.96E-03	1.03E-02	8.02E-02	4.70E-03	1.38E-03	9.65E-02	1.03E-02	9.18E-06	5.16E-05	4.05E-05	1.04E-02
2205	495061.06	3859801.99	9.83E-03	7.77E-06	5.16E-05	4.02E-05	9.93E-03	1.03E-02	7.94E-02	4.71E-03	1.38E-03	9.58E-02	1.02E-02	9.09E-06	5.16E-05	4.02E-05	1.03E-02
2206	495111.06	3859801.99	9.79E-03	7.67E-06	5.19E-05	4.00E-05	9.89E-03	1.02E-02	7.83E-02	4.73E-03	1.37E-03	9.46E-02	1.02E-02	8.97E-06	5.19E-05	4.00E-05	1.03E-02
2207	495161.06	3859801.99	9.75E-03	7.57E-06	5.21E-05	3.98E-05	9.85E-03	1.02E-02	7.73E-02	4.75E-03	1.36E-03	9.36E-02	1.02E-02	8.85E-06	5.21E-05	3.98E-05	1.03E-02
2208	495211.06	3859801.99	9.72E-03	7.50E-06	5.21E-05	3.96E-05	9.82E-03	1.01E-02	7.66E-02	4.75E-03	1.35E-03	9.28E-02	1.01E-02	8.77E-06	5.21E-05	3.96E-05	1.02E-02
2209	495261.06	3859801.99	9.68E-03	7.39E-06	5.23E-05	3.94E-05	9.78E-03	1.01E-02	7.55E-02	4.77E-03	1.35E-03	9.18E-02	1.01E-02	8.65E-06	5.23E-05	3.94E-05	1.02E-02
2210	495311.06	3859801.99	9.65E-03	7.33E-06	5.23E-05	3.91E-05	9.75E-03	1.01E-02	7.49E-02	4.77E-03	1.34E-03	9.11E-02	1.01E-02	8.58E-06	5.23E-05	3.91E-05	1.02E-02
2211	495361.06	3859801.99	9.62E-03	7.24E-06	5.25E-05	3.89E-05	9.72E-03	1.00E-02	7.40E-02	4.78E-03	1.33E-03	9.01E-02	1.00E-02	8.47E-06	5.25E-05	3.89E-05	1.01E-02
2212	495411.06	3859801.99	9.58E-03	7.14E-06	5.27E-05	3.87E-05	9.67E-03	9.99E-03	7.29E-02	4.81E-03	1.32E-03	8.90E-02	9.97E-03	8.35E-06	5.27E-05	3.87E-05	1.01E-02
2213	495461.06	3859801.99	9.54E-03	7.05E-06	5.28E-05	3.85E-05	9.64E-03	9.95E-03	7.21E-02	4.81E-03	1.32E-03	8.82E-02	9.93E-03	8.25E-06	5.28E-05	3.85E-05	1.00E-02
2214	495511.06	3859801.99	9.49E-03	6.93E-06	5.31E-05	3.83E-05	9.59E-03	9.90E-03	7.08E-02	4.84E-03	1.31E-03	8.69E-02	9.88E-03	8.11E-06	5.31E-05	3.83E-05	9.98E-03
2215	495561.06	3859801.99	9.46E-03	6.87E-06	5.31E-05	3.81E-05	9.55E-03	9.87E-03	7.01E-02	4.84E-03	1.30E-03	8.62E-02	9.85E-03	8.03E-06	5.31E-05	3.81E-05	9.95E-03
2216	495611.06	3859801.99	9.43E-03	6.83E-06	5.29E-05	3.79E-05	9.53E-03	9.84E-03	6.98E-02	4.82E-03	1.30E-03	8.58E-02	9.83E-03	7.99E-06	5.29E-05	3.79E-05	9.92E-03
2217	495661.06	3859801.99	9.39E-03	6.73E-06	5.31E-05	3.77E-05	9.48E-03	9.79E-03	6.87E-02	4.84E-03	1.29E-03	8.46E-02	9.77E-03	7.87E-06	5.31E-05	3.77E-05	9.87E-03
2218	494311.06	3859851.99	1.03E-02	9.32E-06	4.66E-05	4.30E-05	1.04E-02	1.07E-02	9.52E-02	4.25E-03	1.47E-03	1.12E-01	1.07E-02	1.09E-05	4.66E-05	4.30E-05	1.08E-02
2219	494361.06	3859851.99	1.02E-02	9.19E-06	4.69E-05	4.28E-05	1.03E-02	1.07E-02	9.38E-02	4.28E-03	1.46E-03	1.10E-01	1.07E-02	1.07E-05	4.69E-05	4.28E-05	1.08E-02
2220	494411.06	3859851.99	1.02E-02	9.03E-06	4.73E-05	4.25E-05	1.03E-02	1.06E-02	9.23E-02	4.31E-03	1.45E-03	1.09E-01	1.06E-02	1.06E-05	4.73E-05	4.25E-05	1.07E-02
2221	494461.06	3859851.99	1.01E-02	8.92E-06	4.76E-05	4.22E-05	1.02E-02	1.06E-02	9.11E-02	4.34E-03	1.44E-03	1.07E-01	1.06E-02	1.04E-05	4.76E-05	4.22E-05	1.07E-02
2222	494511.06	3859851.99	1.01E-02	8.89E-06	4.75E-05	4.19E-05	1.02E-02	1.05E-02	9.08E-02	4.33E-03	1.43E-03	1.07E-01	1.05E-02	1.04E-05	4.75E-05	4.19E-05	1.06E-02
2223	494561.06	3859851.99	1.01E-02	8.88E-06	4.73E-05	4.16E-05	1.02E-02	1.05E-02	9.07E-02	4.31E-03	1.42E-03	1.07E-01	1.05E-02	1.04E-05	4.73E-05	4.16E-05	1.06E-02
2224	494611.06	3859851.99	1.00E-02	8.65E-06	4.80E-05	4.14E-05	1.01E-02	1.05E-02	8.84E-02	4.38E-03	1.42E-03	1.05E-01	1.04E-02	1.01E-05	4.80E-05	4.14E-05	1.05E-02
2225	494661.06	3859851.99	9.99E-03	8.61E-06	4.80E-05	4.12E-05	1.01E-02	1.04E-02	8.79E-02	4.37E-03	1.41E-03	1.04E-01	1.04E-02	1.01E-05	4.80E-05	4.12E-05	1.05E-02
2226	494711.06	3859851.99	9.94E-03	8.44E-06	4.85E-05	4.10E-05	1.00E-02	1.04E-02	8.63E-02	4.42E-03	1.40E-03	1.02E-01	1.04E-02	9.88E-06	4.85E-05	4.10E-05	1.05E-02
2227	494761.06	3859851.99	9.92E-03	8.43E-06	4.82E-05	4.07E-05	1.00E-02	1.04E-02	8.62E-02	4.40E-03	1.39E-03	1.02E-01	1.03E-02	9.87E-06	4.82E-05	4.07E-05	1.04E-02
2228	494811.06	3859851.99	9.88E-03	8.33E-06	4.85E-05	4.04E-05	9.98E-03	1.03E-02	8.51E-02	4.42E-03	1.38E-03	1.01E-01	1.03E-02	9.75E-06	4.85E-05	4.04E-05	1.04E-02
2229	494861.06	3859851.99	9.85E-03	8.27E-06	4.85E-05	4.02E-05	9.95E-03	1.03E-02	8.45E-02	4.42E-03	1.37E-03	1.01E-01	1.03E-02	9.67E-06	4.85E-05	4.02E-05	1.04E-02
2230	494911.06	3859851.99	9.81E-03	8.15E-06	4.88E-05	4.00E-05	9.91E-03	1.02E-02	8.33E-02	4.45E-03	1.37E-03	9.93E-02	1.02E-02	9.54E-06	4.88E-05	4.00E-05	1.03E-02
2231	494961.06	3859851.99	9.78E-03	8.06E-06	4.89E-05	3.97E-05	9.87E-03	1.02E-02	8.24E-02	4.46E-03	1.36E-03	9.84E-02	1.02E-02	9.43E-06	4.89E-05	3.97E-05	1.03E-02
2232	495011.06	3859851.99	9.74E-03	7.97E-06	4.91E-05	3.95E-05	9.84E-03	1.02E-02	8.14E-02	4.48E-03	1.35E-03	9.74E-02	1.01E-02	9.33E-06	4.91E-05	3.95E-05	1.02E-02
2233	495061.06	3859851.99	9.71E-03	7.90E-06	4.92E-05	3.93E-05	9.81E-03	1.01E-02	8.07E-02	4.48E-03	1.34E-03	9.67E-02	1.01E-02	9.24E-06	4.92E-05	3.93E-05	1.02E-02
2234	495111.06	3859851.99	9.67E-03	7.78E-06	4.95E-05	3.91E-05	9.77E-03	1.01E-02	7.95E-02	4.51E-03	1.34E-03	9.55E-02	1.01E-02	9.11E-06	4.95E-05	3.91E-05	1.02E-02
2235	495161.06	3859851.99	9.64E-03	7.69E-06	4.96E-05	3.89E-05	9.73E-03	1.01E-02	7.86E-02	4.53E-03	1.33E-03	9.45E-02	1.00E-02	9.00E-06	4.96E-05	3.89E-05	1.01E-02
2236	495211.06	3859851.99	9.60E-03	7.60E-06	4.98E-05	3.87E-05	9.70E-03	1.00E-02	7.77E-02	4.54E-03	1.32E-03	9.36E-02	1.00E-02	8.90E-06	4.98E-05	3.87E-05	1.01E-02
2237	495261.06	3859851.99	9.57E-03	7.51E-06	5.00E-05	3.85E-05	9.67E-03	9.99E-03	7.67E-02	4.56E-03	1.32E-03	9.26E-02	9.97E-03	8.79E-06	5.00E-05	3.85E-05	1.01E-02
2238	495311.06	3859851.99	9.54E-03	7.44E-06	5.00E-05	3.83E-05	9.63E-03	9.95E-03	7.60E-02	4.56E-03	1.31E-03	9.18E-02	9.93E-03	8.70E-06	5.00E-05	3.83E-05	1.00E-02
2239	495361.06	3859851.99	9.51E-03	7.36E-06	5.02E-05	3.81E-05	9.60E-03	9.92E-03	7.52E-02	4.57E-03	1.30E-03	9.10E-02	9.90E-03	8.61E-06	5.02E-05	3.81E-05	1.00E-02
2240	495411.06	3859851.99	9.47E-03	7.26E-06	5.04E-05	3.79E-05	9.57E-03	9.88E-03	7.42E-02	4.60E-03	1.30E-03	8.99E-02	9.86E-03	8.49E-06	5.04E-05	3.79E-05	9.96E-03
2241	495461.06	3859851.99	9.43E-03	7.16E-06	5.06E-05	3.77E-05	9.53E-03	9.84E-03	7.32E-02	4.61E-03	1.29E-03	8.89E-02	9.82E-03	8.38E-06	5.06E-05	3.77E-05	9.92E-03
2242	495511.06	3859851.99	9.39E-03	7.05E-06	5.09E-05	3.75E-05	9.49E-03	9.80E-03	7.20E-02	4.64E-03	1.28E-03	8.78E-02	9.78E-03	8.25E-06	5.09E-05	3.75E-05	9.88E-03
2243	495561.06	3859851.99	9.36E-03	7.00E-06	5.09E-05	3.73E-05	9.46E-03	9.77E-03	7.15E-02	4.64E-03	1.28E-03	8.72E-02	9.75E-03	8.18E-06	5.09E-05	3.73E-05	9.85E-03
2244	495611.06	3859851.99	9.33E-03	6.93E-06	5.09E-05	3.71E-05	9.43E-03	9.74E-03	7.08E-02	4.64E-03	1.27E-03	8.65E-02	9.72E-03	8.11E-06	5.09E-05	3.71E-05	9.82E-03
2245	495661.06	3859851.99	9.29E-03	6.83E-06	5.11E-05	3.70E-05	9.39E-03	9.70E-03	6.98E-02	4.66E-03	1.26E-03	8.54E-02	9.68E-03	7.99E-06	5.11E-05	3.70E-05	9.77E-03
2246	494311.06	3859901.99	1.01E-02	9.37E-06	4.45E-05	4.20E-05	1.02E-02	1.06E-02	9.58E-02	4.06E-03	1.44E-03	1.12E-01	1.06E-02	1.10E-05	4.45E-05	4.20E-05	1.07E-02
2247	494361.06	3859901.99	1.01E-02	9.18E-06	4.50E-05	4.18E-05	1.02E-02	1.05E-02	9.38E-02	4.11E-03	1.43E-03	1.10E-01	1.05E-02	1.07E-05	4.50E-05	4.18E-05	1.06E-02
2248	494411.06	3859901.99	1.01E-02	9.12E-06	4.51E-05	4.15E-05	1.01E-02	1.05E-02	9.31E-02	4.11E-03	1.42E-03	1.09E-01	1.05E-02	1.07E-05	4.51E-05	4.15E-05	1.06E-02
2249	494461.06	3859901.99	1.00E-02	9.01E-06	4.52E-05	4.12E-05	1.01E-02	1.04E-02	9.21E-02	4.13E-03	1.41E-03	1.08E-01	1.04E-02	1.05E-05	4.52E-05	4.12E-05	1.05E-02
2250	494511.06	3859901.99	9.98E-03	8.94E-06	4.53E-05	4.09E-05	1.01E-02	1.04E-02	9.14E-02	4.13E-03	1.40E-03	1.07E-01	1.04E-02	1.05E-05	4.53E-05	4.09E-05	1.05E-02
2251	494561.06	3859901.99	9.96E-03	8.96E-06	4.51E-05	4.06E-05	1.01E-02	1.04E-02	9.15E-02	4.11E-03	1.39E-03	1.07E-01	1.04E-02	1.05E-05	4.51E-05	4.06E-05	1.05E-02
2252	494611.06	3859901.99	9.90E-03	8.73E-06	4.57E-05	4.05E-05	9.99E-03	1.03E-02	8.92E-02	4.17E-03	1.38E-03	1.05E-01	1.03E-02	1.02E-05	4.57E-05	4.05E-05	1.04E-02
2253	494661.06	3859901.99	9.87E-03	8.73E-06	4.56E-05	4.01E-05	9.97E-03	1.03E-02	8.92E-02	4.16E-03	1.37E-03	1.05E-01	1.03E-02	1.02E-05	4.56E-05	4.01E-05	1.04E-02

2254	494711.06	3859901.99	9.81E-03	8.51E-06	4.62E-05	4.00E-05	9.91E-03	1.02E-02	8.69E-02	4.22E-03	1.37E-03	1.03E-01	1.02E-02	9.96E-06	4.62E-05	4.00E-05	1.03E-02
2255	494761.06	3859901.99	9.79E-03	8.48E-06	4.61E-05	3.97E-05	9.88E-03	1.02E-02	8.66E-02	4.21E-03	1.36E-03	1.02E-01	1.02E-02	9.92E-06	4.61E-05	3.97E-05	1.03E-02
2256	494811.06	3859901.99	9.76E-03	8.44E-06	4.61E-05	3.95E-05	9.86E-03	1.02E-02	8.63E-02	4.20E-03	1.35E-03	1.02E-01	1.02E-02	9.88E-06	4.61E-05	3.95E-05	1.03E-02
2257	494861.06	3859901.99	9.73E-03	8.37E-06	4.61E-05	3.92E-05	9.82E-03	1.02E-02	8.56E-02	4.21E-03	1.34E-03	1.01E-01	1.01E-02	9.80E-06	4.61E-05	3.92E-05	1.02E-02
2258	494911.06	3859901.99	9.69E-03	8.25E-06	4.64E-05	3.90E-05	9.78E-03	1.01E-02	8.43E-02	4.23E-03	1.33E-03	1.00E-01	1.01E-02	9.66E-06	4.64E-05	3.90E-05	1.02E-02
2259	494961.06	3859901.99	9.66E-03	8.18E-06	4.65E-05	3.88E-05	9.75E-03	1.01E-02	8.36E-02	4.24E-03	1.33E-03	9.92E-02	1.01E-02	9.57E-06	4.65E-05	3.88E-05	1.02E-02
2260	495011.06	3859901.99	9.62E-03	8.07E-06	4.68E-05	3.86E-05	9.71E-03	1.00E-02	8.25E-02	4.26E-03	1.32E-03	9.81E-02	1.00E-02	9.45E-06	4.68E-05	3.86E-05	1.01E-02
2261	495061.06	3859901.99	9.59E-03	7.98E-06	4.69E-05	3.84E-05	9.68E-03	1.00E-02	8.16E-02	4.28E-03	1.31E-03	9.72E-02	9.98E-03	9.34E-06	4.69E-05	3.84E-05	1.01E-02
2262	495111.06	3859901.99	9.55E-03	7.87E-06	4.72E-05	3.82E-05	9.64E-03	9.96E-03	8.04E-02	4.31E-03	1.31E-03	9.59E-02	9.94E-03	9.20E-06	4.72E-05	3.82E-05	1.00E-02
2263	495161.06	3859901.99	9.51E-03	7.76E-06	4.75E-05	3.80E-05	9.60E-03	9.92E-03	7.93E-02	4.33E-03	1.30E-03	9.48E-02	9.90E-03	9.08E-06	4.75E-05	3.80E-05	1.00E-02
2264	495211.06	3859901.99	9.48E-03	7.70E-06	4.75E-05	3.78E-05	9.58E-03	9.89E-03	7.86E-02	4.34E-03	1.29E-03	9.42E-02	9.88E-03	9.01E-06	4.75E-05	3.78E-05	9.97E-03
2265	495261.06	3859901.99	9.44E-03	7.57E-06	4.79E-05	3.77E-05	9.54E-03	9.85E-03	7.74E-02	4.37E-03	1.29E-03	9.29E-02	9.83E-03	8.86E-06	4.79E-05	3.77E-05	9.93E-03
2266	495311.06	3859901.99	9.42E-03	7.52E-06	4.79E-05	3.74E-05	9.51E-03	9.83E-03	7.68E-02	4.37E-03	1.28E-03	9.23E-02	9.81E-03	8.79E-06	4.79E-05	3.74E-05	9.90E-03
2267	495361.06	3859901.99	9.38E-03	7.43E-06	4.81E-05	3.73E-05	9.48E-03	9.79E-03	7.59E-02	4.39E-03	1.27E-03	9.13E-02	9.77E-03	8.69E-06	4.81E-05	3.73E-05	9.86E-03
2268	495411.06	3859901.99	9.35E-03	7.32E-06	4.84E-05	3.71E-05	9.44E-03	9.75E-03	7.48E-02	4.41E-03	1.27E-03	9.02E-02	9.73E-03	8.56E-06	4.84E-05	3.71E-05	9.83E-03
2269	495461.06	3859901.99	9.31E-03	7.23E-06	4.86E-05	3.69E-05	9.41E-03	9.72E-03	7.39E-02	4.43E-03	1.26E-03	8.93E-02	9.70E-03	8.46E-06	4.86E-05	3.69E-05	9.79E-03
2270	495511.06	3859901.99	9.29E-03	7.17E-06	4.86E-05	3.67E-05	9.38E-03	9.69E-03	7.32E-02	4.43E-03	1.26E-03	8.86E-02	9.67E-03	8.39E-06	4.86E-05	3.67E-05	9.76E-03
2271	495561.06	3859901.99	9.26E-03	7.10E-06	4.86E-05	3.65E-05	9.35E-03	9.66E-03	7.26E-02	4.44E-03	1.25E-03	8.79E-02	9.64E-03	8.31E-06	4.86E-05	3.65E-05	9.74E-03
2272	495611.06	3859901.99	9.22E-03	7.01E-06	4.89E-05	3.64E-05	9.32E-03	9.62E-03	7.16E-02	4.46E-03	1.24E-03	8.69E-02	9.60E-03	8.20E-06	4.89E-05	3.64E-05	9.70E-03
2273	495661.06	3859901.99	9.18E-03	6.91E-06	4.91E-05	3.62E-05	9.28E-03	9.58E-03	7.06E-02	4.48E-03	1.24E-03	8.59E-02	9.56E-03	8.08E-06	4.91E-05	3.62E-05	9.66E-03
2274	494311.06	3859951.99	1.00E-02	9.44E-06	4.26E-05	4.09E-05	1.01E-02	1.05E-02	9.65E-02	3.88E-03	1.40E-03	1.12E-01	1.05E-02	1.10E-05	4.26E-05	4.09E-05	1.06E-02
2275	494361.06	3859951.99	1.00E-02	9.30E-06	4.28E-05	4.07E-05	1.01E-02	1.04E-02	9.51E-02	3.91E-03	1.39E-03	1.11E-01	1.04E-02	1.09E-05	4.28E-05	4.07E-05	1.05E-02
2276	494411.06	3859951.99	9.93E-03	9.18E-06	4.30E-05	4.05E-05	1.00E-02	1.04E-02	9.38E-02	3.92E-03	1.38E-03	1.09E-01	1.03E-02	1.07E-05	4.30E-05	4.05E-05	1.04E-02
2277	494461.06	3859951.99	9.89E-03	9.08E-06	4.32E-05	4.02E-05	9.98E-03	1.03E-02	9.27E-02	3.94E-03	1.38E-03	1.08E-01	1.03E-02	1.06E-05	4.32E-05	4.02E-05	1.04E-02
2278	494511.06	3859951.99	9.86E-03	9.01E-06	4.33E-05	4.00E-05	9.95E-03	1.03E-02	9.21E-02	3.95E-03	1.37E-03	1.08E-01	1.03E-02	1.05E-05	4.33E-05	4.00E-05	1.04E-02
2279	494561.06	3859951.99	9.86E-03	9.05E-06	4.31E-05	3.96E-05	9.95E-03	1.03E-02	9.24E-02	3.93E-03	1.35E-03	1.08E-01	1.03E-02	1.06E-05	4.31E-05	3.96E-05	1.04E-02
2280	494611.06	3859951.99	9.78E-03	8.85E-06	4.35E-05	3.94E-05	9.88E-03	1.02E-02	9.04E-02	3.97E-03	1.35E-03	1.06E-01	1.02E-02	1.04E-05	4.35E-05	3.94E-05	1.03E-02
2281	494661.06	3859951.99	9.79E-03	8.83E-06	4.34E-05	3.92E-05	9.88E-03	1.02E-02	9.02E-02	3.96E-03	1.34E-03	1.06E-01	1.02E-02	1.03E-05	4.34E-05	3.92E-05	1.03E-02
2282	494711.06	3859951.99	9.71E-03	8.65E-06	4.38E-05	3.90E-05	9.80E-03	1.01E-02	8.84E-02	4.00E-03	1.33E-03	1.04E-01	1.01E-02	1.01E-05	4.38E-05	3.90E-05	1.02E-02
2283	494761.06	3859951.99	9.67E-03	8.59E-06	4.39E-05	3.87E-05	9.77E-03	1.01E-02	8.77E-02	4.00E-03	1.33E-03	1.03E-01	1.01E-02	1.00E-05	4.39E-05	3.87E-05	1.02E-02
2284	494811.06	3859951.99	9.64E-03	8.51E-06	4.40E-05	3.85E-05	9.73E-03	1.01E-02	8.69E-02	4.01E-03	1.32E-03	1.02E-01	1.00E-02	9.95E-06	4.40E-05	3.85E-05	1.01E-02
2285	494861.06	3859951.99	9.61E-03	8.46E-06	4.40E-05	3.83E-05	9.70E-03	1.00E-02	8.65E-02	4.01E-03	1.31E-03	1.02E-01	1.00E-02	9.90E-06	4.40E-05	3.83E-05	1.01E-02
2286	494911.06	3859951.99	9.57E-03	8.34E-06	4.43E-05	3.81E-05	9.66E-03	9.99E-03	8.52E-02	4.04E-03	1.30E-03	1.01E-01	9.97E-03	9.76E-06	4.43E-05	3.81E-05	1.01E-02
2287	494961.06	3859951.99	9.53E-03	8.23E-06	4.45E-05	3.79E-05	9.62E-03	9.95E-03	8.41E-02	4.06E-03	1.30E-03	9.94E-02	9.93E-03	9.63E-06	4.45E-05	3.79E-05	1.00E-02
2288	495011.06	3859951.99	9.50E-03	8.13E-06	4.47E-05	3.77E-05	9.59E-03	9.91E-03	8.31E-02	4.08E-03	1.29E-03	9.84E-02	9.89E-03	9.51E-06	4.47E-05	3.77E-05	9.98E-03
2289	495061.06	3859951.99	9.46E-03	8.05E-06	4.48E-05	3.75E-05	9.55E-03	9.87E-03	8.23E-02	4.09E-03	1.28E-03	9.75E-02	9.86E-03	9.42E-06	4.48E-05	3.75E-05	9.95E-03
2290	495111.06	3859951.99	9.43E-03	7.94E-06	4.51E-05	3.73E-05	9.52E-03	9.83E-03	8.11E-02	4.11E-03	1.28E-03	9.63E-02	9.82E-03	9.29E-06	4.51E-05	3.73E-05	9.91E-03
2291	495161.06	3859951.99	9.39E-03	7.83E-06	4.54E-05	3.72E-05	9.48E-03	9.80E-03	8.00E-02	4.14E-03	1.27E-03	9.52E-02	9.78E-03	9.16E-06	4.54E-05	3.72E-05	9.87E-03
2292	495211.06	3859951.99	9.35E-03	7.72E-06	4.57E-05	3.70E-05	9.44E-03	9.76E-03	7.89E-02	4.17E-03	1.26E-03	9.41E-02	9.74E-03	9.03E-06	4.57E-05	3.70E-05	9.83E-03
2293	495261.06	3859951.99	9.32E-03	7.64E-06	4.58E-05	3.68E-05	9.41E-03	9.72E-03	7.80E-02	4.18E-03	1.26E-03	9.32E-02	9.70E-03	8.93E-06	4.58E-05	3.68E-05	9.80E-03
2294	495311.06	3859951.99	9.29E-03	7.59E-06	4.58E-05	3.66E-05	9.38E-03	9.70E-03	7.75E-02	4.18E-03	1.25E-03	9.26E-02	9.68E-03	8.88E-06	4.58E-05	3.66E-05	9.77E-03
2295	495361.06	3859951.99	9.27E-03	7.51E-06	4.60E-05	3.64E-05	9.36E-03	9.67E-03	7.67E-02	4.19E-03	1.24E-03	9.18E-02	9.65E-03	8.79E-06	4.60E-05	3.64E-05	9.74E-03
2296	495411.06	3859951.99	9.23E-03	7.41E-06	4.62E-05	3.63E-05	9.32E-03	9.63E-03	7.57E-02	4.22E-03	1.24E-03	9.08E-02	9.61E-03	8.67E-06	4.62E-05	3.63E-05	9.70E-03
2297	495461.06	3859951.99	9.20E-03	7.32E-06	4.64E-05	3.61E-05	9.29E-03	9.60E-03	7.48E-02	4.23E-03	1.23E-03	8.98E-02	9.58E-03	8.56E-06	4.64E-05	3.61E-05	9.67E-03
2298	495511.06	3859951.99	9.17E-03	7.23E-06	4.66E-05	3.59E-05	9.26E-03	9.56E-03	7.39E-02	4.25E-03	1.23E-03	8.89E-02	9.55E-03	8.46E-06	4.66E-05	3.59E-05	9.64E-03
2299	495561.06	3859951.99	9.14E-03	7.19E-06	4.66E-05	3.57E-05	9.23E-03	9.54E-03	7.35E-02	4.25E-03	1.22E-03	8.85E-02	9.52E-03	8.41E-06	4.66E-05	3.57E-05	9.61E-03
2300	495611.06	3859951.99	9.11E-03	7.10E-06	4.68E-05	3.56E-05	9.20E-03	9.51E-03	7.25E-02	4.27E-03	1.22E-03	8.75E-02	9.49E-03	8.30E-06	4.68E-05	3.56E-05	9.58E-03
2301	495661.06	3859951.99	9.07E-03	6.99E-06	4.71E-05	3.54E-05	9.16E-03	9.47E-03	7.14E-02	4.30E-03	1.21E-03	8.63E-02	9.45E-03	8.17E-06	4.71E-05	3.54E-05	9.54E-03
2302	494311.06	3860001.99	9.90E-03	9.49E-06	4.09E-05	3.99E-05	9.99E-03	1.03E-02	9.69E-02	3.73E-03	1.37E-03	1.12E-01	1.03E-02	1.11E-05	4.09E-05	3.99E-05	1.04E-02
2303	494361.06	3860001.99	9.87E-03	9.38E-06	4.10E-05	3.97E-05	9.96E-03	1.03E-02	9.58E-02	3.74E-03	1.36E-03	1.11E-01	1.03E-02	1.10E-05	4.10E-05	3.97E-05	1.04E-02
2304	494411.06	3860001.99	9.83E-03	9.22E-06	4.12E-05	3.95E-05	9.92E-03	1.03E-02	9.42E-02	3.76E-03	1.35E-03	1.10E-01	1.02E-02	1.08E-05	4.12E-05	3.95E-05	1.03E-02
2305	494461.06	3860001.99	9.79E-03	9.14E-06	4.13E-05	3.92E-05	9.88E-03	1.02E-02	9.34E-02	3.77E-03	1.34E-03	1.09E-01	1.02E-02	1.07E-05	4.13E-05	3.92E-05	1.03E-02
2306	494511.06	3860001.99	9.76E-03	9.02E-06	4.15E-05	3.90E-05	9.84E-03	1.02E-02	9.21E-02	3.79E-03	1.33E-03	1.07E-01	1.02E-02	1.06E-05	4.15E-05	3.90E-05	1.02E-02
2307	494561.06	3860001.99	9.72E-03	9.10E-06	4.13E-05	3.86E-05	9.81E-03	1.01E-02	9.30E-02	3.77E-03	1.32E-03	1.08E-01	1.01E-02	1.06E-05	4.13E-05	3.86E-05	1.02E-02
2308	494611.06	3860001.99	9.69E-03	8.97E-06	4.15E-05	3.84E-05	9.78E-03	1.01E-02	9.16E-02	3.79E-03	1.31E-03	1.07E-01	1.01E-02	1.05E-05	4.15E-05	3.84E-05	1.02E-02
2309	494661.06	3860001.99	9.65E-03	8.89E-06	4.16E-05	3.82E-05	9.74E-03	1.01E-02	9.08E-02	3.79E-03	1.31E-03	1.06E-01	1.01E-02	1.04E-05	4.16E-05	3.82E-05	1.01E-02
2310	494711.06	3860001.99	9.58E-03	8.65E-06	4.21E-05	3.81E-05	9.67E-03	9.99E-03	8.84E-02	3.84E-03	1.30E-03	1.04E-01	9.97E-03	1.01E-05	4.21E-05	3.81E-05	1.01E-02
2311	494761.06	3860001.99	9.58E-03	8.66E-06	4.20E-05	3.78E-05	9.67E-03	1.00E-02	8.84E-02	3.83E-03	1.29E-03	1.04E-01	9.98E-03	1.01E-05	4.20E-05	3.78E-05	1.01E-02
2312	494811.06	3860001.99	9.55E-03	8.59E-06	4.20E-05	3.76E-05	9.64E-03	9.97E-03	8.78E-02	3.83E-03	1.28E-03	1.03E-01	9.95E-03	1.01E-05	4.20E-05	3.76E-05	1.00E-02
2313	494861.06	3860001.99	9.52E-03	8.55E-06	4.21E-05	3.73E-05	9.61E-03	9.93E-03	8.73E-02	3.84E-03	1.28E-03	1.02E-01	9.91E-03	1.00E-05	4.21E-05	3.73E-05	1.00E-02
2314	494911.06	3860001.99	9.44E-03	8.33E-06	4.26E-05	3.72E-05	9.53E-03	9.85E-03	8.51E-02	3.88E-03	1.27E-03	1.00E-01	9.83E-03	9.74E-06	4.26E-05	3.72E-05	9.92E-03

2315	494961.06	3860001.99	9.41E-03	8.27E-06	4.26E-05	3.70E-05	9.50E-03	9.82E-03	8.45E-02	3.89E-03	1.27E-03	9.95E-02	9.80E-03	9.68E-06	4.26E-05	3.70E-05	9.89E-03
2316	495011.06	3860001.99	9.37E-03	8.17E-06	4.28E-05	3.68E-05	9.46E-03	9.78E-03	8.34E-02	3.91E-03	1.26E-03	9.84E-02	9.76E-03	9.55E-06	4.28E-05	3.68E-05	9.85E-03
2317	495061.06	3860001.99	9.35E-03	8.12E-06	4.29E-05	3.66E-05	9.44E-03	9.75E-03	8.29E-02	3.91E-03	1.25E-03	9.78E-02	9.73E-03	9.50E-06	4.29E-05	3.66E-05	9.82E-03
2318	495111.06	3860001.99	9.31E-03	8.00E-06	4.31E-05	3.64E-05	9.40E-03	9.71E-03	8.18E-02	3.93E-03	1.25E-03	9.67E-02	9.69E-03	9.36E-06	4.31E-05	3.64E-05	9.78E-03
2319	495161.06	3860001.99	9.27E-03	7.90E-06	4.34E-05	3.63E-05	9.36E-03	9.67E-03	8.07E-02	3.96E-03	1.24E-03	9.55E-02	9.65E-03	9.24E-06	4.34E-05	3.63E-05	9.74E-03
2320	495211.06	3860001.99	9.24E-03	7.84E-06	4.34E-05	3.61E-05	9.33E-03	9.65E-03	8.01E-02	3.96E-03	1.23E-03	9.50E-02	9.63E-03	9.18E-06	4.34E-05	3.61E-05	9.71E-03
2321	495261.06	3860001.99	9.21E-03	7.74E-06	4.36E-05	3.59E-05	9.30E-03	9.61E-03	7.91E-02	3.98E-03	1.23E-03	9.39E-02	9.59E-03	9.06E-06	4.36E-05	3.59E-05	9.68E-03
2322	495311.06	3860001.99	9.18E-03	7.67E-06	4.38E-05	3.57E-05	9.27E-03	9.58E-03	7.83E-02	3.99E-03	1.22E-03	9.31E-02	9.56E-03	8.97E-06	4.38E-05	3.57E-05	9.65E-03
2323	495361.06	3860001.99	9.14E-03	7.53E-06	4.42E-05	3.56E-05	9.23E-03	9.53E-03	7.69E-02	4.03E-03	1.22E-03	9.17E-02	9.52E-03	8.81E-06	4.42E-05	3.56E-05	9.60E-03
2324	495411.06	3860001.99	9.12E-03	7.49E-06	4.41E-05	3.54E-05	9.20E-03	9.51E-03	7.66E-02	4.02E-03	1.21E-03	9.13E-02	9.49E-03	8.77E-06	4.41E-05	3.54E-05	9.58E-03
2325	495461.06	3860001.99	9.09E-03	7.41E-06	4.43E-05	3.52E-05	9.17E-03	9.48E-03	7.57E-02	4.04E-03	1.21E-03	9.04E-02	9.46E-03	8.67E-06	4.43E-05	3.52E-05	9.55E-03
2326	495511.06	3860001.99	9.05E-03	7.33E-06	4.45E-05	3.51E-05	9.14E-03	9.45E-03	7.49E-02	4.05E-03	1.20E-03	8.96E-02	9.43E-03	8.57E-06	4.45E-05	3.51E-05	9.52E-03
2327	495561.06	3860001.99	9.03E-03	7.28E-06	4.45E-05	3.49E-05	9.12E-03	9.42E-03	7.43E-02	4.06E-03	1.19E-03	8.90E-02	9.40E-03	8.51E-06	4.45E-05	3.49E-05	9.49E-03
2328	495611.06	3860001.99	9.00E-03	7.17E-06	4.48E-05	3.48E-05	9.08E-03	9.39E-03	7.33E-02	4.08E-03	1.19E-03	8.79E-02	9.37E-03	8.39E-06	4.48E-05	3.48E-05	9.46E-03
2329	495661.06	3860001.99	8.96E-03	7.08E-06	4.50E-05	3.46E-05	9.05E-03	9.35E-03	7.23E-02	4.11E-03	1.18E-03	8.69E-02	9.33E-03	8.28E-06	4.50E-05	3.46E-05	9.42E-03
2330	494411.06	3860051.99	9.69E-03	9.28E-06	3.96E-05	3.85E-05	9.78E-03	1.01E-02	9.49E-02	3.61E-03	1.32E-03	1.10E-01	1.01E-02	1.09E-05	3.96E-05	3.85E-05	1.02E-02
2331	494461.06	3860051.99	9.65E-03	9.18E-06	3.97E-05	3.83E-05	9.74E-03	1.01E-02	9.38E-02	3.62E-03	1.31E-03	1.09E-01	1.01E-02	1.07E-05	3.97E-05	3.83E-05	1.01E-02
2332	494511.06	3860051.99	9.62E-03	9.08E-06	3.98E-05	3.80E-05	9.71E-03	1.00E-02	9.28E-02	3.63E-03	1.30E-03	1.08E-01	1.00E-02	1.06E-05	3.98E-05	3.80E-05	1.01E-02
2333	494561.06	3860051.99	9.59E-03	9.08E-06	3.98E-05	3.77E-05	9.67E-03	1.00E-02	9.28E-02	3.63E-03	1.29E-03	1.08E-01	9.98E-03	1.06E-05	3.98E-05	3.77E-05	1.01E-02
2334	494611.06	3860051.99	9.55E-03	9.02E-06	3.99E-05	3.75E-05	9.64E-03	9.97E-03	9.21E-02	3.64E-03	1.28E-03	1.07E-01	9.95E-03	1.06E-05	3.99E-05	3.75E-05	1.00E-02
2335	494661.06	3860051.99	9.52E-03	8.94E-06	4.00E-05	3.73E-05	9.60E-03	9.93E-03	9.14E-02	3.64E-03	1.27E-03	1.06E-01	9.91E-03	1.05E-05	4.00E-05	3.73E-05	1.00E-02
2336	494711.06	3860051.99	9.48E-03	8.78E-06	4.02E-05	3.71E-05	9.57E-03	9.89E-03	8.97E-02	3.66E-03	1.27E-03	1.05E-01	9.87E-03	1.03E-05	4.02E-05	3.71E-05	9.96E-03
2337	494761.06	3860051.99	9.45E-03	8.71E-06	4.02E-05	3.69E-05	9.53E-03	9.86E-03	8.90E-02	3.67E-03	1.26E-03	1.04E-01	9.84E-03	1.02E-05	4.02E-05	3.69E-05	9.93E-03
2338	494811.06	3860051.99	9.42E-03	8.68E-06	4.02E-05	3.66E-05	9.50E-03	9.82E-03	8.87E-02	3.67E-03	1.25E-03	1.03E-01	9.80E-03	1.02E-05	4.02E-05	3.66E-05	9.89E-03
2339	494861.06	3860051.99	9.38E-03	8.64E-06	4.03E-05	3.64E-05	9.47E-03	9.79E-03	8.83E-02	3.67E-03	1.24E-03	1.03E-01	9.77E-03	1.01E-05	4.03E-05	3.64E-05	9.86E-03
2340	494911.06	3860051.99	9.35E-03	8.51E-06	4.05E-05	3.62E-05	9.44E-03	9.76E-03	8.70E-02	3.69E-03	1.24E-03	1.02E-01	9.74E-03	9.96E-06	4.05E-05	3.62E-05	9.83E-03
2341	494961.06	3860051.99	9.32E-03	8.38E-06	4.07E-05	3.61E-05	9.40E-03	9.72E-03	8.56E-02	3.71E-03	1.23E-03	1.00E-01	9.70E-03	9.80E-06	4.07E-05	3.61E-05	9.79E-03
2342	495011.06	3860051.99	9.29E-03	8.26E-06	4.09E-05	3.59E-05	9.37E-03	9.69E-03	8.44E-02	3.73E-03	1.23E-03	9.90E-02	9.67E-03	9.66E-06	4.09E-05	3.59E-05	9.76E-03
2343	495061.06	3860051.99	9.26E-03	8.16E-06	4.11E-05	3.57E-05	9.34E-03	9.66E-03	8.34E-02	3.75E-03	1.22E-03	9.80E-02	9.64E-03	9.55E-06	4.11E-05	3.57E-05	9.72E-03
2344	495111.06	3860051.99	9.22E-03	8.04E-06	4.13E-05	3.56E-05	9.31E-03	9.62E-03	8.21E-02	3.77E-03	1.22E-03	9.67E-02	9.60E-03	9.41E-06	4.13E-05	3.56E-05	9.69E-03
2345	495161.06	3860051.99	9.16E-03	7.95E-06	4.15E-05	3.54E-05	9.24E-03	9.56E-03	8.12E-02	3.79E-03	1.21E-03	9.58E-02	9.54E-03	9.30E-06	4.15E-05	3.54E-05	9.62E-03
2346	495211.06	3860051.99	9.12E-03	7.85E-06	4.17E-05	3.53E-05	9.21E-03	9.52E-03	8.02E-02	3.80E-03	1.21E-03	9.47E-02	9.50E-03	9.18E-06	4.17E-05	3.53E-05	9.59E-03
2347	495261.06	3860051.99	9.09E-03	7.78E-06	4.18E-05	3.51E-05	9.18E-03	9.49E-03	7.95E-02	3.81E-03	1.20E-03	9.40E-02	9.47E-03	9.10E-06	4.18E-05	3.51E-05	9.56E-03
2348	495311.06	3860051.99	9.06E-03	7.72E-06	4.19E-05	3.49E-05	9.15E-03	9.46E-03	7.89E-02	3.82E-03	1.19E-03	9.34E-02	9.44E-03	9.03E-06	4.19E-05	3.49E-05	9.53E-03
2349	495361.06	3860051.99	9.04E-03	7.65E-06	4.20E-05	3.47E-05	9.12E-03	9.43E-03	7.81E-02	3.83E-03	1.19E-03	9.26E-02	9.41E-03	8.95E-06	4.20E-05	3.47E-05	9.49E-03
2350	495411.06	3860051.99	9.00E-03	7.57E-06	4.22E-05	3.46E-05	9.09E-03	9.40E-03	7.73E-02	3.85E-03	1.18E-03	9.17E-02	9.38E-03	8.85E-06	4.22E-05	3.46E-05	9.46E-03
2351	495461.06	3860051.99	8.97E-03	7.48E-06	4.24E-05	3.44E-05	9.06E-03	9.36E-03	7.64E-02	3.86E-03	1.18E-03	9.08E-02	9.34E-03	8.75E-06	4.24E-05	3.44E-05	9.43E-03
2352	495511.06	3860051.99	8.94E-03	7.42E-06	4.24E-05	3.42E-05	9.03E-03	9.33E-03	7.58E-02	3.87E-03	1.17E-03	9.01E-02	9.31E-03	8.68E-06	4.24E-05	3.42E-05	9.40E-03
2353	495561.06	3860051.99	8.92E-03	7.34E-06	4.26E-05	3.41E-05	9.00E-03	9.30E-03	7.50E-02	3.88E-03	1.17E-03	8.93E-02	9.28E-03	8.58E-06	4.26E-05	3.41E-05	9.37E-03
2354	495611.06	3860051.99	8.89E-03	7.25E-06	4.28E-05	3.39E-05	8.97E-03	9.27E-03	7.41E-02	3.90E-03	1.16E-03	8.84E-02	9.25E-03	8.48E-06	4.28E-05	3.39E-05	9.34E-03
2355	495661.06	3860051.99	8.85E-03	7.14E-06	4.31E-05	3.38E-05	8.93E-03	9.23E-03	7.29E-02	3.93E-03	1.16E-03	8.73E-02	9.22E-03	8.35E-06	4.31E-05	3.38E-05	9.30E-03
2356	494411.06	3860101.99	9.55E-03	9.24E-06	3.83E-05	3.76E-05	9.64E-03	9.97E-03	9.44E-02	3.49E-03	1.29E-03	1.09E-01	9.95E-03	1.08E-05	3.83E-05	3.76E-05	1.00E-02
2357	494461.06	3860101.99	9.52E-03	9.22E-06	3.83E-05	3.73E-05	9.60E-03	9.93E-03	9.42E-02	3.49E-03	1.28E-03	1.09E-01	9.91E-03	1.08E-05	3.83E-05	3.73E-05	1.00E-02
2358	494511.06	3860101.99	9.49E-03	9.07E-06	3.84E-05	3.71E-05	9.57E-03	9.90E-03	9.27E-02	3.50E-03	1.27E-03	1.07E-01	9.88E-03	1.06E-05	3.84E-05	3.71E-05	9.96E-03
2359	494561.06	3860101.99	9.45E-03	9.02E-06	3.85E-05	3.69E-05	9.53E-03	9.86E-03	9.22E-02	3.51E-03	1.26E-03	1.07E-01	9.84E-03	1.06E-05	3.85E-05	3.69E-05	9.93E-03
2360	494611.06	3860101.99	9.41E-03	9.02E-06	3.85E-05	3.66E-05	9.50E-03	9.82E-03	9.21E-02	3.51E-03	1.25E-03	1.07E-01	9.80E-03	1.06E-05	3.85E-05	3.66E-05	9.89E-03
2361	494661.06	3860101.99	9.38E-03	8.96E-06	3.85E-05	3.64E-05	9.46E-03	9.79E-03	9.15E-02	3.51E-03	1.24E-03	1.06E-01	9.77E-03	1.05E-05	3.85E-05	3.64E-05	9.85E-03
2362	494711.06	3860101.99	9.35E-03	8.82E-06	3.87E-05	3.62E-05	9.43E-03	9.75E-03	9.01E-02	3.53E-03	1.24E-03	1.05E-01	9.73E-03	1.03E-05	3.87E-05	3.62E-05	9.82E-03
2363	494761.06	3860101.99	9.32E-03	8.75E-06	3.87E-05	3.60E-05	9.40E-03	9.72E-03	8.94E-02	3.53E-03	1.23E-03	1.04E-01	9.70E-03	1.02E-05	3.87E-05	3.60E-05	9.79E-03
2364	494811.06	3860101.99	9.28E-03	8.68E-06	3.88E-05	3.58E-05	9.37E-03	9.69E-03	8.87E-02	3.54E-03	1.22E-03	1.03E-01	9.67E-03	1.02E-05	3.88E-05	3.58E-05	9.75E-03
2365	494861.06	3860101.99	9.24E-03	8.73E-06	3.88E-05	3.55E-05	9.33E-03	9.65E-03	8.91E-02	3.53E-03	1.21E-03	1.04E-01	9.63E-03	1.02E-05	3.88E-05	3.55E-05	9.71E-03
2366	494911.06	3860101.99	9.22E-03	8.48E-06	3.91E-05	3.54E-05	9.30E-03	9.62E-03	8.66E-02	3.56E-03	1.21E-03	1.01E-01	9.60E-03	9.92E-06	3.91E-05	3.54E-05	9.68E-03
2367	494961.06	3860101.99	9.19E-03	8.40E-06	3.92E-05	3.52E-05	9.27E-03	9.59E-03	8.59E-02	3.57E-03	1.20E-03	1.00E-01	9.57E-03	9.83E-06	3.92E-05	3.52E-05	9.65E-03
2368	495011.06	3860101.99	9.16E-03	8.29E-06	3.93E-05	3.50E-05	9.24E-03	9.55E-03	8.47E-02	3.59E-03	1.20E-03	9.90E-02	9.53E-03	9.70E-06	3.93E-05	3.50E-05	9.62E-03
2369	495061.06	3860101.99	9.12E-03	8.19E-06	3.95E-05	3.49E-05	9.21E-03	9.52E-03	8.36E-02	3.60E-03	1.19E-03	9.80E-02	9.50E-03	9.58E-06	3.95E-05	3.49E-05	9.59E-03
2370	495111.06	3860101.99	9.09E-03	8.06E-06	3.97E-05	3.47E-05	9.18E-03	9.49E-03	8.23E-02	3.62E-03	1.19E-03	9.66E-02	9.47E-03	9.43E-06	3.97E-05	3.47E-05	9.55E-03
2371	495161.06	3860101.99	9.06E-03	8.00E-06	3.98E-05	3.46E-05	9.15E-03	9.46E-03	8.17E-02	3.63E-03	1.18E-03	9.60E-02	9.44E-03	9.35E-06	3.98E-05	3.46E-05	9.52E-03
2372	495211.06	3860101.99	9.03E-03	7.91E-06	4.00E-05	3.44E-05	9.12E-03	9.43E-03	8.08E-02	3.64E-03	1.18E-03	9.51E-02	9.41E-03	9.25E-06	4.00E-05	3.44E-05	9.49E-03
2373	495261.06	3860101.99	9.00E-03	7.82E-06	4.01E-05	3.43E-05	9.09E-03	9.40E-03	7.99E-02	3.66E-03	1.17E-03	9.42E-02	9.38E-03	9.15E-06	4.01E-05	3.43E-05	9.46E-03
2374	495311.06	3860101.99	8.98E-03	7.75E-06	4.02E-05	3.41E-05	9.06E-03	9.37E-03	7.92E-02	3.67E-03	1.17E-03	9.34E-02	9.35E-03	9.07E-06	4.02E-05	3.41E-05	9.43E-03
2375	495361.06	3860101.99	8.95E-03	7.70E-06	4.03E-05	3.39E-05	9.03E-03	9.34E-03	7.86E-02	3.67E-03	1.16E-03	9.28E-02	9.32E-03	9.00E-06	4.03E-05	3.39E-05	9.40E-03

2376	495411.06	3860101.99	8.92E-03	7.61E-06	4.04E-05	3.38E-05	9.00E-03	9.31E-03	7.78E-02	3.69E-03	1.15E-03	9.19E-02	9.29E-03	8.90E-06	4.04E-05	3.38E-05	9.37E-03
2377	495461.06	3860101.99	8.86E-03	7.50E-06	4.07E-05	3.36E-05	8.94E-03	9.24E-03	7.66E-02	3.71E-03	1.15E-03	9.07E-02	9.22E-03	8.77E-06	4.07E-05	3.36E-05	9.31E-03
2378	495511.06	3860101.99	8.83E-03	7.45E-06	4.07E-05	3.35E-05	8.91E-03	9.22E-03	7.61E-02	3.72E-03	1.14E-03	9.01E-02	9.20E-03	8.71E-06	4.07E-05	3.35E-05	9.28E-03
2379	495561.06	3860101.99	8.81E-03	7.39E-06	4.08E-05	3.33E-05	8.89E-03	9.19E-03	7.55E-02	3.72E-03	1.14E-03	8.96E-02	9.17E-03	8.65E-06	4.08E-05	3.33E-05	9.25E-03
2380	495611.06	3860101.99	8.77E-03	7.28E-06	4.11E-05	3.32E-05	8.85E-03	9.15E-03	7.44E-02	3.75E-03	1.13E-03	8.84E-02	9.13E-03	8.52E-06	4.11E-05	3.32E-05	9.22E-03
2381	495661.06	3860101.99	8.74E-03	7.21E-06	4.12E-05	3.30E-05	8.82E-03	9.12E-03	7.37E-02	3.76E-03	1.13E-03	8.77E-02	9.10E-03	8.43E-06	4.12E-05	3.30E-05	9.19E-03
2382	494861.06	3860151.99	9.10E-03	8.78E-06	3.76E-05	3.47E-05	9.18E-03	9.49E-03	8.97E-02	3.43E-03	1.19E-03	1.04E-01	9.48E-03	1.03E-05	3.76E-05	3.47E-05	9.56E-03
2383	494911.06	3860151.99	9.09E-03	8.53E-06	3.77E-05	3.46E-05	9.17E-03	9.48E-03	8.71E-02	3.43E-03	1.18E-03	1.01E-01	9.46E-03	9.98E-06	3.77E-05	3.46E-05	9.54E-03
2384	494961.06	3860151.99	9.06E-03	8.43E-06	3.78E-05	3.44E-05	9.14E-03	9.45E-03	8.61E-02	3.44E-03	1.18E-03	1.00E-01	9.43E-03	9.86E-06	3.78E-05	3.44E-05	9.51E-03
2385	495011.06	3860151.99	9.03E-03	8.32E-06	3.79E-05	3.42E-05	9.11E-03	9.42E-03	8.50E-02	3.46E-03	1.17E-03	9.90E-02	9.40E-03	9.73E-06	3.79E-05	3.42E-05	9.48E-03
2386	495061.06	3860151.99	9.00E-03	8.21E-06	3.80E-05	3.41E-05	9.08E-03	9.39E-03	8.39E-02	3.47E-03	1.17E-03	9.79E-02	9.37E-03	9.60E-06	3.80E-05	3.41E-05	9.45E-03
2387	495111.06	3860151.99	8.97E-03	8.12E-06	3.81E-05	3.39E-05	9.05E-03	9.36E-03	8.30E-02	3.48E-03	1.16E-03	9.70E-02	9.34E-03	9.50E-06	3.81E-05	3.39E-05	9.42E-03
2388	495161.06	3860151.99	8.94E-03	8.04E-06	3.82E-05	3.37E-05	9.02E-03	9.33E-03	8.22E-02	3.49E-03	1.15E-03	9.61E-02	9.31E-03	9.41E-06	3.82E-05	3.37E-05	9.39E-03
2389	495211.06	3860151.99	8.91E-03	7.95E-06	3.84E-05	3.36E-05	8.99E-03	9.29E-03	8.12E-02	3.50E-03	1.15E-03	9.52E-02	9.28E-03	9.30E-06	3.84E-05	3.36E-05	9.36E-03
2390	495261.06	3860151.99	8.88E-03	7.88E-06	3.85E-05	3.34E-05	8.96E-03	9.26E-03	8.05E-02	3.51E-03	1.14E-03	9.44E-02	9.25E-03	9.21E-06	3.85E-05	3.34E-05	9.33E-03
2391	495311.06	3860151.99	8.85E-03	7.80E-06	3.86E-05	3.33E-05	8.93E-03	9.23E-03	7.97E-02	3.52E-03	1.14E-03	9.36E-02	9.22E-03	9.13E-06	3.86E-05	3.33E-05	9.30E-03
2392	495361.06	3860151.99	8.82E-03	7.73E-06	3.87E-05	3.31E-05	8.90E-03	9.21E-03	7.90E-02	3.53E-03	1.13E-03	9.29E-02	9.19E-03	9.05E-06	3.87E-05	3.31E-05	9.27E-03
2393	495411.06	3860151.99	8.79E-03	7.65E-06	3.88E-05	3.30E-05	8.87E-03	9.18E-03	7.82E-02	3.54E-03	1.13E-03	9.20E-02	9.16E-03	8.95E-06	3.88E-05	3.30E-05	9.24E-03
2394	495461.06	3860151.99	8.77E-03	7.57E-06	3.90E-05	3.28E-05	8.85E-03	9.15E-03	7.74E-02	3.55E-03	1.12E-03	9.12E-02	9.13E-03	8.86E-06	3.90E-05	3.28E-05	9.21E-03
2395	495511.06	3860151.99	8.74E-03	7.48E-06	3.91E-05	3.27E-05	8.82E-03	9.12E-03	7.65E-02	3.57E-03	1.12E-03	9.03E-02	9.10E-03	8.76E-06	3.91E-05	3.27E-05	9.18E-03
2396	495561.06	3860151.99	8.71E-03	7.42E-06	3.92E-05	3.25E-05	8.79E-03	9.09E-03	7.58E-02	3.58E-03	1.11E-03	8.96E-02	9.07E-03	8.68E-06	3.92E-05	3.25E-05	9.15E-03
2397	495611.06	3860151.99	8.69E-03	7.33E-06	3.94E-05	3.24E-05	8.77E-03	9.06E-03	7.49E-02	3.59E-03	1.11E-03	8.87E-02	9.05E-03	8.58E-06	3.94E-05	3.24E-05	9.13E-03
2398	495661.06	3860151.99	8.66E-03	7.24E-06	3.96E-05	3.23E-05	8.74E-03	9.04E-03	7.40E-02	3.61E-03	1.10E-03	8.77E-02	9.02E-03	8.47E-06	3.96E-05	3.23E-05	9.10E-03
2399	495718.25	3859442.96	9.58E-03	5.76E-06	6.33E-05	4.06E-05	9.69E-03	1.00E-02	5.89E-02	5.77E-03	1.39E-03	7.61E-02	9.98E-03	6.74E-06	6.33E-05	4.06E-05	1.01E-02
2400	495818.25	3859442.96	9.44E-03	5.62E-06	6.27E-05	3.99E-05	9.55E-03	9.85E-03	5.74E-02	5.71E-03	1.36E-03	7.43E-02	9.84E-03	6.57E-06	6.27E-05	3.99E-05	9.94E-03
2401	495918.25	3859442.96	9.35E-03	5.50E-06	6.22E-05	3.93E-05	9.46E-03	9.75E-03	5.62E-02	5.67E-03	1.34E-03	7.30E-02	9.73E-03	6.44E-06	6.22E-05	3.93E-05	9.84E-03
2402	496018.25	3859442.96	9.27E-03	5.41E-06	6.18E-05	3.87E-05	9.37E-03	9.67E-03	5.53E-02	5.63E-03	1.32E-03	7.19E-02	9.65E-03	6.33E-06	6.18E-05	3.87E-05	9.76E-03
2403	496118.25	3859442.96	9.32E-03	5.43E-06	6.19E-05	3.86E-05	9.43E-03	9.73E-03	5.55E-02	5.64E-03	1.32E-03	7.21E-02	9.71E-03	6.35E-06	6.19E-05	3.86E-05	9.82E-03
2404	496218.25	3859442.96	9.35E-03	5.43E-06	6.19E-05	3.83E-05	9.46E-03	9.76E-03	5.55E-02	5.64E-03	1.31E-03	7.22E-02	9.74E-03	6.35E-06	6.19E-05	3.83E-05	9.85E-03
2405	496318.25	3859442.96	9.29E-03	5.35E-06	6.16E-05	3.78E-05	9.40E-03	9.69E-03	5.47E-02	5.62E-03	1.29E-03	7.13E-02	9.67E-03	6.26E-06	6.16E-05	3.78E-05	9.78E-03
2406	496418.25	3859442.96	9.22E-03	5.26E-06	6.13E-05	3.73E-05	9.32E-03	9.62E-03	5.38E-02	5.59E-03	1.28E-03	7.02E-02	9.60E-03	6.16E-06	6.13E-05	3.73E-05	9.70E-03
2407	495718.25	3859542.96	9.59E-03	6.02E-06	6.11E-05	4.01E-05	9.69E-03	1.00E-02	6.15E-02	5.57E-03	1.37E-03	7.84E-02	9.98E-03	7.04E-06	6.11E-05	4.01E-05	1.01E-02
2408	495818.25	3859542.96	9.49E-03	5.89E-06	6.06E-05	3.95E-05	9.60E-03	9.90E-03	6.02E-02	5.53E-03	1.35E-03	7.70E-02	9.88E-03	6.90E-06	6.06E-05	3.95E-05	9.99E-03
2409	495918.25	3859542.96	9.37E-03	5.75E-06	6.01E-05	3.89E-05	9.48E-03	9.78E-03	5.88E-02	5.49E-03	1.33E-03	7.54E-02	9.76E-03	6.73E-06	6.01E-05	3.89E-05	9.86E-03
2410	496018.25	3859542.96	9.27E-03	5.63E-06	5.97E-05	3.83E-05	9.37E-03	9.67E-03	5.75E-02	5.44E-03	1.31E-03	7.40E-02	9.65E-03	6.59E-06	5.97E-05	3.83E-05	9.76E-03
2411	496118.25	3859542.96	9.30E-03	5.65E-06	5.95E-05	3.81E-05	9.40E-03	9.70E-03	5.77E-02	5.42E-03	1.30E-03	7.41E-02	9.68E-03	6.60E-06	5.95E-05	3.81E-05	9.79E-03
2412	496218.25	3859542.96	9.29E-03	5.63E-06	5.92E-05	3.78E-05	9.39E-03	9.69E-03	5.75E-02	5.40E-03	1.29E-03	7.39E-02	9.67E-03	6.58E-06	5.92E-05	3.78E-05	9.78E-03
2413	496318.25	3859542.96	9.26E-03	5.58E-06	5.89E-05	3.74E-05	9.36E-03	9.66E-03	5.70E-02	5.38E-03	1.28E-03	7.33E-02	9.64E-03	6.53E-06	5.89E-05	3.74E-05	9.75E-03
2414	496418.25	3859542.96	9.16E-03	5.46E-06	5.86E-05	3.69E-05	9.27E-03	9.56E-03	5.58E-02	5.34E-03	1.26E-03	7.20E-02	9.54E-03	6.39E-06	5.86E-05	3.69E-05	9.65E-03
2415	495718.25	3859642.96	9.52E-03	6.23E-06	5.86E-05	3.93E-05	9.62E-03	9.93E-03	6.37E-02	5.34E-03	1.34E-03	8.03E-02	9.91E-03	7.29E-06	5.86E-05	3.93E-05	1.00E-02
2416	495818.25	3859642.96	9.41E-03	6.09E-06	5.83E-05	3.87E-05	9.51E-03	9.82E-03	6.22E-02	5.31E-03	1.32E-03	7.86E-02	9.80E-03	7.12E-06	5.83E-05	3.87E-05	9.91E-03
2417	495918.25	3859642.96	9.34E-03	5.99E-06	5.79E-05	3.83E-05	9.44E-03	9.74E-03	6.11E-02	5.28E-03	1.31E-03	7.75E-02	9.72E-03	7.00E-06	5.79E-05	3.83E-05	9.83E-03
2418	496018.25	3859642.96	9.24E-03	5.86E-06	5.75E-05	3.77E-05	9.34E-03	9.64E-03	5.98E-02	5.25E-03	1.29E-03	7.60E-02	9.62E-03	6.85E-06	5.75E-05	3.77E-05	9.72E-03
2419	496118.25	3859642.96	9.26E-03	5.89E-06	5.70E-05	3.75E-05	9.36E-03	9.66E-03	6.02E-02	5.20E-03	1.28E-03	7.63E-02	9.64E-03	6.89E-06	5.70E-05	3.75E-05	9.75E-03
2420	496218.25	3859642.96	9.25E-03	5.88E-06	5.66E-05	3.72E-05	9.35E-03	9.65E-03	6.01E-02	5.16E-03	1.27E-03	7.62E-02	9.63E-03	6.88E-06	5.66E-05	3.72E-05	9.73E-03
2421	496318.25	3859642.96	9.17E-03	5.78E-06	5.63E-05	3.67E-05	9.27E-03	9.57E-03	5.90E-02	5.13E-03	1.26E-03	7.50E-02	9.55E-03	6.76E-06	5.63E-05	3.67E-05	9.65E-03
2422	496418.25	3859642.96	8.93E-03	5.46E-06	5.61E-05	3.59E-05	9.03E-03	9.32E-03	5.57E-02	5.12E-03	1.23E-03	7.14E-02	9.30E-03	6.38E-06	5.61E-05	3.59E-05	9.40E-03
2423	495718.25	3859742.96	9.43E-03	6.51E-06	5.53E-05	3.82E-05	9.53E-03	9.84E-03	6.65E-02	5.04E-03	1.31E-03	8.27E-02	9.83E-03	7.62E-06	5.53E-05	3.82E-05	9.93E-03
2424	495818.25	3859742.96	9.33E-03	6.33E-06	5.54E-05	3.78E-05	9.43E-03	9.74E-03	6.47E-02	5.05E-03	1.29E-03	8.08E-02	9.72E-03	7.41E-06	5.54E-05	3.78E-05	9.82E-03
2425	495918.25	3859742.96	9.25E-03	6.20E-06	5.52E-05	3.73E-05	9.35E-03	9.65E-03	6.33E-02	5.03E-03	1.28E-03	7.93E-02	9.63E-03	7.25E-06	5.52E-05	3.73E-05	9.73E-03
2426	496018.25	3859742.96	9.16E-03	6.06E-06	5.50E-05	3.69E-05	9.26E-03	9.55E-03	6.19E-02	5.02E-03	1.26E-03	7.77E-02	9.54E-03	7.09E-06	5.50E-05	3.69E-05	9.63E-03
2427	496118.25	3859742.96	9.15E-03	6.07E-06	5.44E-05	3.66E-05	9.24E-03	9.54E-03	6.20E-02	4.96E-03	1.25E-03	7.78E-02	9.53E-03	7.10E-06	5.44E-05	3.66E-05	9.62E-03
2428	496218.25	3859742.96	9.15E-03	6.11E-06	5.36E-05	3.62E-05	9.24E-03	9.54E-03	6.24E-02	4.89E-03	1.24E-03	7.81E-02	9.53E-03	7.15E-06	5.36E-05	3.62E-05	9.62E-03
2429	496318.25	3859742.96	8.98E-03	5.82E-06	5.40E-05	3.57E-05	9.07E-03	9.37E-03	5.94E-02	4.93E-03	1.22E-03	7.49E-02	9.35E-03	6.81E-06	5.40E-05	3.57E-05	9.44E-03
2430	496418.25	3859742.96	8.81E-03	5.56E-06	5.42E-05	3.52E-05	8.91E-03	9.19E-03	5.68E-02	4.94E-03	1.20E-03	7.22E-02	9.18E-03	6.51E-06	5.42E-05	3.52E-05	9.27E-03
2431	495718.25	3859842.96	9.27E-03	6.73E-06	5.15E-05	3.69E-05	9.37E-03	9.67E-03	6.88E-02	4.70E-03	1.26E-03	8.44E-02	9.65E-03	7.87E-06	5.15E-05	3.69E-05	9.75E-03
2432	495818.25	3859842.96	9.20E-03	6.59E-06	5.16E-05	3.65E-05	9.29E-03	9.60E-03	6.73E-02	4.71E-03	1.25E-03	8.28E-02	9.58E-03	7.70E-06	5.16E-05	3.65E-05	9.68E-03
2433	495918.25	3859842.96	9.12E-03	6.44E-06	5.17E-05	3.61E-05	9.22E-03	9.52E-03	6.58E-02	4.72E-03	1.24E-03	8.12E-02	9.50E-03	7.53E-06	5.17E-05	3.61E-05	9.60E-03
2434	496018.25	3859842.96	9.07E-03	6.35E-06	5.15E-05	3.58E-05	9.16E-03	9.46E-03	6.48E-02	4.70E-03	1.22E-03	8.02E-02	9.44E-03	7.42E-06	5.15E-05	3.58E-05	9.54E-03
2435	496118.25	3859842.96	9.06E-03	6.40E-06	5.05E-05	3.54E-05	9.16E-03	9.46E-03	6.54E-02	4.60E-03	1.21E-03	8.07E-02	9.44E-03	7.49E-06	5.05E-05	3.54E-05	9.53E-03
2436	496218.25	3859842.96	8.93E-03	6.11E-06	5.13E-05	3.50E-05	9.02E-03	9.32E-03	6.25E-02	4.68E-03	1.20E-03	7.77E-02	9.30E-03	7.15E-06	5.13E-05	3.50E-05	9.39E-03

2437	496318.25	3859842.96	8.65E-03	5.61E-06	5.27E-05	3.44E-05	8.74E-03	9.03E-03	5.73E-02	4.80E-03	1.18E-03	7.23E-02	9.01E-03	6.56E-06	5.27E-05	3.44E-05	9.10E-03
2438	496418.25	3859842.96	8.42E-03	5.30E-06	5.26E-05	3.36E-05	8.51E-03	8.79E-03	5.41E-02	4.80E-03	1.15E-03	6.89E-02	8.77E-03	6.20E-06	5.26E-05	3.36E-05	8.86E-03
2439	495718.25	3859942.96	9.06E-03	6.90E-06	4.75E-05	3.54E-05	9.15E-03	9.46E-03	7.05E-02	4.34E-03	1.21E-03	8.55E-02	9.44E-03	8.08E-06	4.75E-05	3.54E-05	9.53E-03
2440	495818.25	3859942.96	9.00E-03	6.74E-06	4.79E-05	3.51E-05	9.09E-03	9.39E-03	6.89E-02	4.36E-03	1.20E-03	8.38E-02	9.37E-03	7.89E-06	4.79E-05	3.51E-05	9.46E-03
2441	495918.25	3859942.96	8.94E-03	6.63E-06	4.79E-05	3.47E-05	9.03E-03	9.33E-03	6.77E-02	4.37E-03	1.19E-03	8.26E-02	9.31E-03	7.75E-06	4.79E-05	3.47E-05	9.40E-03
2442	496018.25	3859942.96	8.91E-03	6.62E-06	4.73E-05	3.43E-05	9.00E-03	9.30E-03	6.76E-02	4.31E-03	1.17E-03	8.24E-02	9.28E-03	7.74E-06	4.73E-05	3.43E-05	9.37E-03
2443	496118.25	3859942.96	8.83E-03	6.38E-06	4.81E-05	3.41E-05	8.91E-03	9.21E-03	6.52E-02	4.38E-03	1.17E-03	8.00E-02	9.19E-03	7.47E-06	4.81E-05	3.41E-05	9.28E-03
2444	496218.25	3859942.96	8.68E-03	6.02E-06	4.95E-05	3.38E-05	8.77E-03	9.06E-03	6.15E-02	4.51E-03	1.16E-03	7.63E-02	9.04E-03	7.05E-06	4.95E-05	3.38E-05	9.13E-03
2445	496318.25	3859942.96	8.50E-03	5.68E-06	5.06E-05	3.34E-05	8.59E-03	8.87E-03	5.80E-02	4.61E-03	1.14E-03	7.26E-02	8.85E-03	6.64E-06	5.06E-05	3.34E-05	8.95E-03
2446	496418.25	3859942.96	8.22E-03	5.25E-06	5.11E-05	3.25E-05	8.31E-03	8.58E-03	5.36E-02	4.66E-03	1.11E-03	6.80E-02	8.56E-03	6.14E-06	5.11E-05	3.25E-05	8.65E-03
2447	496856.82	3858864.83	8.48E-03	3.92E-06	6.53E-05	3.62E-05	8.59E-03	8.85E-03	4.01E-02	5.96E-03	1.24E-03	5.61E-02	8.83E-03	4.59E-06	6.53E-05	3.62E-05	8.94E-03
2448	496956.82	3858864.83	8.37E-03	3.86E-06	6.42E-05	3.57E-05	8.48E-03	8.74E-03	3.94E-02	5.86E-03	1.22E-03	5.52E-02	8.72E-03	4.51E-06	6.42E-05	3.57E-05	8.82E-03
2449	497056.82	3858864.83	8.28E-03	3.79E-06	6.32E-05	3.53E-05	8.38E-03	8.63E-03	3.87E-02	5.76E-03	1.21E-03	5.43E-02	8.62E-03	4.44E-06	6.32E-05	3.53E-05	8.72E-03
2450	497156.82	3858864.83	8.14E-03	3.72E-06	6.21E-05	3.48E-05	8.24E-03	8.49E-03	3.80E-02	5.66E-03	1.19E-03	5.33E-02	8.48E-03	4.35E-06	6.21E-05	3.48E-05	8.58E-03
2451	497256.82	3858864.83	8.12E-03	3.68E-06	6.16E-05	3.45E-05	8.22E-03	8.47E-03	3.76E-02	5.62E-03	1.18E-03	5.29E-02	8.45E-03	4.31E-06	6.16E-05	3.45E-05	8.55E-03
2452	496856.82	3858964.83	8.62E-03	4.08E-06	6.56E-05	3.61E-05	8.72E-03	8.99E-03	4.17E-02	5.98E-03	1.24E-03	5.79E-02	8.98E-03	4.78E-06	6.56E-05	3.61E-05	9.08E-03
2453	496956.82	3858964.83	8.45E-03	3.99E-06	6.43E-05	3.56E-05	8.56E-03	8.82E-03	4.08E-02	5.86E-03	1.22E-03	5.67E-02	8.80E-03	4.67E-06	6.43E-05	3.56E-05	8.91E-03
2454	497056.82	3858964.83	8.34E-03	3.92E-06	6.34E-05	3.51E-05	8.44E-03	8.70E-03	4.00E-02	5.78E-03	1.20E-03	5.57E-02	8.68E-03	4.58E-06	6.34E-05	3.51E-05	8.79E-03
2455	497156.82	3858964.83	8.22E-03	3.84E-06	6.24E-05	3.46E-05	8.32E-03	8.57E-03	3.92E-02	5.69E-03	1.18E-03	5.47E-02	8.56E-03	4.49E-06	6.24E-05	3.46E-05	8.66E-03
2456	497256.82	3858964.83	8.31E-03	3.86E-06	6.27E-05	3.45E-05	8.41E-03	8.67E-03	3.94E-02	5.71E-03	1.18E-03	5.50E-02	8.65E-03	4.51E-06	6.27E-05	3.45E-05	8.76E-03
2457	496856.82	3859064.83	8.62E-03	4.19E-06	6.50E-05	3.58E-05	8.73E-03	9.00E-03	4.28E-02	5.93E-03	1.23E-03	5.90E-02	8.98E-03	4.91E-06	6.50E-05	3.58E-05	9.09E-03
2458	496956.82	3859064.83	8.50E-03	4.11E-06	6.40E-05	3.53E-05	8.60E-03	8.87E-03	4.20E-02	5.84E-03	1.21E-03	5.79E-02	8.85E-03	4.81E-06	6.40E-05	3.53E-05	8.95E-03
2459	497056.82	3859064.83	8.40E-03	4.04E-06	6.32E-05	3.49E-05	8.50E-03	8.76E-03	4.13E-02	5.76E-03	1.19E-03	5.70E-02	8.75E-03	4.73E-06	6.32E-05	3.49E-05	8.85E-03
2460	497156.82	3859064.83	8.32E-03	3.98E-06	6.25E-05	3.44E-05	8.42E-03	8.68E-03	4.06E-02	5.70E-03	1.18E-03	5.62E-02	8.66E-03	4.65E-06	6.25E-05	3.44E-05	8.76E-03
2461	497256.82	3859064.83	8.48E-03	4.03E-06	6.34E-05	3.44E-05	8.58E-03	8.84E-03	4.11E-02	5.78E-03	1.18E-03	5.69E-02	8.83E-03	4.71E-06	6.34E-05	3.44E-05	8.93E-03
2462	496856.82	3859164.83	8.53E-03	4.26E-06	6.34E-05	3.53E-05	8.63E-03	8.90E-03	4.35E-02	5.78E-03	1.21E-03	5.94E-02	8.88E-03	4.98E-06	6.34E-05	3.53E-05	8.98E-03
2463	496956.82	3859164.83	8.40E-03	4.16E-06	6.24E-05	3.48E-05	8.50E-03	8.76E-03	4.25E-02	5.69E-03	1.19E-03	5.82E-02	8.74E-03	4.87E-06	6.24E-05	3.48E-05	8.84E-03
2464	497056.82	3859164.83	8.36E-03	4.12E-06	6.21E-05	3.44E-05	8.46E-03	8.72E-03	4.21E-02	5.66E-03	1.18E-03	5.76E-02	8.70E-03	4.82E-06	6.21E-05	3.44E-05	8.80E-03
2465	497156.82	3859164.83	8.42E-03	4.13E-06	6.25E-05	3.43E-05	8.53E-03	8.79E-03	4.21E-02	5.70E-03	1.17E-03	5.78E-02	8.77E-03	4.83E-06	6.25E-05	3.43E-05	8.87E-03
2466	497256.82	3859164.83	8.61E-03	4.20E-06	6.38E-05	3.44E-05	8.72E-03	8.99E-03	4.29E-02	5.82E-03	1.18E-03	5.89E-02	8.97E-03	4.91E-06	6.38E-05	3.44E-05	9.07E-03
2467	496856.82	3859264.83	8.37E-03	4.29E-06	6.08E-05	3.46E-05	8.47E-03	8.73E-03	4.38E-02	5.54E-03	1.18E-03	5.92E-02	8.72E-03	5.01E-06	6.08E-05	3.46E-05	8.82E-03
2468	496956.82	3859264.83	8.37E-03	4.26E-06	6.08E-05	3.44E-05	8.47E-03	8.73E-03	4.35E-02	5.55E-03	1.18E-03	5.89E-02	8.72E-03	4.98E-06	6.08E-05	3.44E-05	8.82E-03
2469	497056.82	3859264.83	8.45E-03	4.27E-06	6.14E-05	3.42E-05	8.55E-03	8.81E-03	4.36E-02	5.60E-03	1.17E-03	5.92E-02	8.79E-03	4.99E-06	6.14E-05	3.42E-05	8.90E-03
2470	497156.82	3859264.83	8.50E-03	4.27E-06	6.18E-05	3.41E-05	8.60E-03	8.87E-03	4.37E-02	5.63E-03	1.16E-03	5.93E-02	8.85E-03	5.00E-06	6.18E-05	3.41E-05	8.95E-03
2471	497256.82	3859264.83	8.65E-03	4.33E-06	6.28E-05	3.41E-05	8.75E-03	9.02E-03	4.43E-02	5.73E-03	1.17E-03	6.02E-02	9.00E-03	5.07E-06	6.28E-05	3.41E-05	9.11E-03
2472	497088.92	3858620.93	7.90E-03	3.42E-06	6.30E-05	3.54E-05	8.00E-03	8.24E-03	3.49E-02	5.74E-03	1.21E-03	5.01E-02	8.23E-03	4.00E-06	6.30E-05	3.54E-05	8.33E-03
2473	497138.92	3858620.93	7.90E-03	3.41E-06	6.28E-05	3.53E-05	8.00E-03	8.24E-03	3.48E-02	5.72E-03	1.21E-03	5.00E-02	8.22E-03	3.99E-06	6.28E-05	3.53E-05	8.33E-03
2474	497188.92	3858620.93	7.81E-03	3.38E-06	6.21E-05	3.50E-05	7.91E-03	8.15E-03	3.45E-02	5.66E-03	1.20E-03	4.95E-02	8.13E-03	3.95E-06	6.21E-05	3.50E-05	8.23E-03
2475	497238.92	3858620.93	7.78E-03	3.35E-06	6.18E-05	3.49E-05	7.88E-03	8.12E-03	3.43E-02	5.63E-03	1.19E-03	4.92E-02	8.10E-03	3.92E-06	6.18E-05	3.49E-05	8.20E-03
2476	497088.92	3858670.93	7.85E-03	3.45E-06	6.19E-05	3.52E-05	7.95E-03	8.19E-03	3.53E-02	5.64E-03	1.20E-03	5.03E-02	8.17E-03	4.04E-06	6.19E-05	3.52E-05	8.27E-03
2477	497138.92	3858670.93	7.89E-03	3.46E-06	6.19E-05	3.51E-05	7.99E-03	8.23E-03	3.53E-02	5.64E-03	1.20E-03	5.04E-02	8.22E-03	4.04E-06	6.19E-05	3.51E-05	8.32E-03
2478	497188.92	3858670.93	7.83E-03	3.43E-06	6.14E-05	3.49E-05	7.93E-03	8.17E-03	3.50E-02	5.60E-03	1.19E-03	5.00E-02	8.15E-03	4.01E-06	6.14E-05	3.49E-05	8.25E-03
2479	497238.92	3858670.93	7.83E-03	3.41E-06	6.12E-05	3.47E-05	7.93E-03	8.17E-03	3.49E-02	5.58E-03	1.19E-03	4.98E-02	8.15E-03	3.99E-06	6.12E-05	3.47E-05	8.25E-03
2480	497088.92	3858720.93	8.01E-03	3.55E-06	6.22E-05	3.52E-05	8.11E-03	8.36E-03	3.63E-02	5.67E-03	1.21E-03	5.15E-02	8.34E-03	4.15E-06	6.22E-05	3.52E-05	8.45E-03
2481	497138.92	3858720.93	7.81E-03	3.47E-06	6.10E-05	3.49E-05	7.91E-03	8.15E-03	3.55E-02	5.56E-03	1.19E-03	5.04E-02	8.14E-03	4.06E-06	6.10E-05	3.49E-05	8.24E-03
2482	497188.92	3858720.93	7.78E-03	3.45E-06	6.06E-05	3.47E-05	7.88E-03	8.12E-03	3.52E-02	5.53E-03	1.19E-03	5.01E-02	8.10E-03	4.04E-06	6.06E-05	3.47E-05	8.20E-03
2483	497238.92	3858720.93	7.91E-03	3.48E-06	6.12E-05	3.47E-05	8.00E-03	8.25E-03	3.55E-02	5.58E-03	1.19E-03	5.06E-02	8.23E-03	4.07E-06	6.12E-05	3.47E-05	8.33E-03
2484	497088.92	3858770.93	8.03E-03	3.60E-06	6.18E-05	3.51E-05	8.13E-03	8.38E-03	3.68E-02	5.64E-03	1.20E-03	5.20E-02	8.36E-03	4.22E-06	6.18E-05	3.51E-05	8.46E-03
2485	497138.92	3858770.93	7.96E-03	3.56E-06	6.13E-05	3.49E-05	8.06E-03	8.30E-03	3.64E-02	5.59E-03	1.19E-03	5.15E-02	8.29E-03	4.17E-06	6.13E-05	3.49E-05	8.39E-03
2486	497188.92	3858770.93	7.94E-03	3.54E-06	6.13E-05	3.47E-05	8.04E-03	8.28E-03	3.61E-02	5.59E-03	1.19E-03	5.12E-02	8.26E-03	4.14E-06	6.13E-05	3.47E-05	8.36E-03
2487	497238.92	3858770.93	7.97E-03	3.55E-06	6.10E-05	3.46E-05	8.07E-03	8.32E-03	3.62E-02	5.57E-03	1.18E-03	5.13E-02	8.30E-03	4.15E-06	6.10E-05	3.46E-05	8.40E-03
2488	497396.65	3858622.63	8.14E-03	3.44E-06	6.28E-05	3.49E-05	8.24E-03	8.49E-03	3.52E-02	5.72E-03	1.19E-03	5.06E-02	8.47E-03	4.03E-06	6.28E-05	3.49E-05	8.57E-03
2489	497496.65	3858622.63	8.32E-03	3.49E-06	6.32E-05	3.49E-05	8.43E-03	8.69E-03	3.57E-02	5.76E-03	1.19E-03	5.13E-02	8.67E-03	4.09E-06	6.32E-05	3.49E-05	8.77E-03
2490	497596.65	3858622.63	8.68E-03	3.60E-06	6.55E-05	3.52E-05	8.79E-03	9.06E-03	3.67E-02	5.97E-03	1.21E-03	5.30E-02	9.04E-03	4.21E-06	6.55E-05	3.52E-05	9.14E-03
2491	497696.65	3858622.63	8.76E-03	3.62E-06	6.53E-05	3.51E-05	8.86E-03	9.14E-03	3.70E-02	5.96E-03	1.20E-03	5.33E-02	9.12E-03	4.24E-06	6.53E-05	3.51E-05	9.23E-03
2492	497796.65	3858622.63	8.96E-03	3.69E-06	6.58E-05	3.52E-05	9.07E-03	9.35E-03	3.77E-02	6.00E-03	1.20E-03	5.42E-02	9.33E-03	4.31E-06	6.58E-05	3.52E-05	9.44E-03
2493	497896.65	3858622.63	9.16E-03	3.76E-06	6.64E-05	3.53E-05	9.26E-03	9.55E-03	3.84E-02	6.06E-03	1.21E-03	5.52E-02	9.54E-03	4.39E-06	6.64E-05	3.53E-05	9.64E-03
2494	497396.65	3858722.63	8.30E-03	3.59E-06	6.27E-05	3.48E-05	8.41E-03	8.66E-03	3.67E-02	5.71E-03	1.19E-03	5.23E-02	8.65E-03	4.20E-06	6.27E-05	3.48E-05	8.75E-03
2495	497496.65	3858722.63	8.49E-03	3.64E-06	6.37E-05	3.49E-05	8.59E-03	8.86E-03	3.72E-02	5.81E-03	1.19E-03	5.31E-02	8.84E-03	4.26E-06	6.37E-05	3.49E-05	8.95E-03
2496	497596.65	3858722.63	8.80E-03	3.75E-06	6.50E-05	3.52E-05	8.91E-03	9.19E-03	3.83E-02	5.93E-03	1.20E-03	5.46E-02	9.17E-03	4.39E-06	6.50E-05	3.52E-05	9.27E-03
2497	497696.65	3858722.63	8.97E-03	3.80E-06	6.55E-05	3.52E-05	9.08E-03	9.36E-03	3.89E-02	5.98E-03	1.20E-03	5.54E-02	9.34E-03	4.45E-06	6.55E-05	3.52E-05	9.45E-03

2498	497796.65	3858722.63	9.06E-03	3.83E-06	6.57E-05	3.51E-05	9.17E-03	9.45E-03	3.91E-02	6.00E-03	1.20E-03	5.57E-02	9.44E-03	4.48E-06	6.57E-05	3.51E-05	9.54E-03
2499	497896.65	3858722.63	9.19E-03	3.87E-06	6.63E-05	3.51E-05	9.30E-03	9.59E-03	3.95E-02	6.04E-03	1.20E-03	5.64E-02	9.57E-03	4.53E-06	6.63E-05	3.51E-05	9.68E-03
2500	497396.65	3858822.63	8.37E-03	3.71E-06	6.31E-05	3.46E-05	8.47E-03	8.73E-03	3.79E-02	5.75E-03	1.18E-03	5.36E-02	8.71E-03	4.34E-06	6.31E-05	3.46E-05	8.81E-03
2501	497496.65	3858822.63	8.52E-03	3.75E-06	6.35E-05	3.47E-05	8.63E-03	8.89E-03	3.84E-02	5.79E-03	1.19E-03	5.42E-02	8.88E-03	4.39E-06	6.35E-05	3.47E-05	8.98E-03
2502	497596.65	3858822.63	8.90E-03	3.89E-06	6.59E-05	3.51E-05	9.01E-03	9.29E-03	3.97E-02	6.01E-03	1.20E-03	5.62E-02	9.27E-03	4.55E-06	6.59E-05	3.51E-05	9.38E-03
2503	497696.65	3858822.63	9.00E-03	3.92E-06	6.57E-05	3.50E-05	9.10E-03	9.39E-03	4.01E-02	5.99E-03	1.20E-03	5.67E-02	9.37E-03	4.59E-06	6.57E-05	3.50E-05	9.47E-03
2504	497796.65	3858822.63	9.10E-03	3.94E-06	6.65E-05	3.50E-05	9.20E-03	9.49E-03	4.03E-02	6.07E-03	1.20E-03	5.70E-02	9.47E-03	4.61E-06	6.65E-05	3.50E-05	9.58E-03
2505	497896.65	3858822.63	9.29E-03	4.04E-06	6.73E-05	3.50E-05	9.40E-03	9.70E-03	4.12E-02	6.14E-03	1.20E-03	5.83E-02	9.68E-03	4.72E-06	6.73E-05	3.50E-05	9.78E-03
2506	497396.65	3858922.63	8.43E-03	3.84E-06	6.31E-05	3.45E-05	8.54E-03	8.80E-03	3.92E-02	5.75E-03	1.18E-03	5.49E-02	8.78E-03	4.49E-06	6.31E-05	3.45E-05	8.88E-03
2507	497496.65	3858922.63	8.73E-03	3.95E-06	6.47E-05	3.47E-05	8.84E-03	9.11E-03	4.03E-02	5.90E-03	1.19E-03	5.65E-02	9.09E-03	4.62E-06	6.47E-05	3.47E-05	9.20E-03
2508	497596.65	3858922.63	8.73E-03	3.93E-06	6.45E-05	3.45E-05	8.84E-03	9.11E-03	4.01E-02	5.88E-03	1.18E-03	5.63E-02	9.09E-03	4.60E-06	6.45E-05	3.45E-05	9.20E-03
2509	497696.65	3858922.63	9.08E-03	4.07E-06	6.73E-05	3.49E-05	9.18E-03	9.47E-03	4.15E-02	6.14E-03	1.19E-03	5.83E-02	9.45E-03	4.76E-06	6.73E-05	3.49E-05	9.56E-03
2510	497796.65	3858922.63	9.21E-03	4.13E-06	6.75E-05	3.49E-05	9.31E-03	9.61E-03	4.22E-02	6.16E-03	1.19E-03	5.92E-02	9.59E-03	4.84E-06	6.75E-05	3.49E-05	9.70E-03
2511	497896.65	3858922.63	9.47E-03	4.27E-06	6.99E-05	3.52E-05	9.58E-03	9.88E-03	4.36E-02	6.38E-03	1.20E-03	6.10E-02	9.86E-03	4.99E-06	6.99E-05	3.52E-05	9.97E-03
2512	497364.44	3858201.52	7.77E-03	3.03E-06	6.91E-05	3.55E-05	7.88E-03	8.11E-03	3.09E-02	6.30E-03	1.21E-03	4.66E-02	8.09E-03	3.54E-06	6.91E-05	3.55E-05	8.20E-03
2513	497414.44	3858201.52	7.90E-03	3.06E-06	6.93E-05	3.55E-05	8.01E-03	8.24E-03	3.12E-02	6.32E-03	1.21E-03	4.70E-02	8.23E-03	3.57E-06	6.93E-05	3.55E-05	8.33E-03
2514	497464.44	3858201.52	7.98E-03	3.07E-06	6.93E-05	3.55E-05	8.09E-03	8.32E-03	3.14E-02	6.32E-03	1.21E-03	4.73E-02	8.31E-03	3.60E-06	6.93E-05	3.55E-05	8.42E-03
2515	497514.44	3858201.52	7.98E-03	3.08E-06	6.90E-05	3.54E-05	8.08E-03	8.32E-03	3.14E-02	6.29E-03	1.21E-03	4.72E-02	8.31E-03	3.60E-06	6.90E-05	3.54E-05	8.41E-03
2516	497564.44	3858201.52	7.95E-03	3.06E-06	6.87E-05	3.53E-05	8.05E-03	8.29E-03	3.13E-02	6.26E-03	1.21E-03	4.70E-02	8.27E-03	3.58E-06	6.87E-05	3.53E-05	8.38E-03
2517	497614.44	3858201.52	7.97E-03	3.06E-06	6.85E-05	3.52E-05	8.07E-03	8.31E-03	3.13E-02	6.25E-03	1.20E-03	4.71E-02	8.29E-03	3.58E-06	6.85E-05	3.52E-05	8.40E-03
2518	497364.44	3858251.52	7.91E-03	3.10E-06	6.85E-05	3.56E-05	8.02E-03	8.25E-03	3.17E-02	6.24E-03	1.22E-03	4.74E-02	8.24E-03	3.63E-06	6.85E-05	3.56E-05	8.35E-03
2519	497414.44	3858251.52	8.03E-03	3.14E-06	6.86E-05	3.56E-05	8.14E-03	8.38E-03	3.20E-02	6.26E-03	1.22E-03	4.79E-02	8.36E-03	3.67E-06	6.86E-05	3.56E-05	8.47E-03
2520	497464.44	3858251.52	7.97E-03	3.11E-06	6.82E-05	3.54E-05	8.07E-03	8.31E-03	3.18E-02	6.22E-03	1.21E-03	4.75E-02	8.30E-03	3.64E-06	6.82E-05	3.54E-05	8.40E-03
2521	497514.44	3858251.52	7.88E-03	3.08E-06	6.77E-05	3.52E-05	7.99E-03	8.23E-03	3.15E-02	6.17E-03	1.20E-03	4.71E-02	8.21E-03	3.60E-06	6.77E-05	3.52E-05	8.32E-03
2522	497564.44	3858251.52	7.86E-03	3.07E-06	6.74E-05	3.51E-05	7.97E-03	8.20E-03	3.13E-02	6.14E-03	1.20E-03	4.69E-02	8.19E-03	3.59E-06	6.74E-05	3.51E-05	8.29E-03
2523	497614.44	3858251.52	7.84E-03	3.05E-06	6.71E-05	3.49E-05	7.94E-03	8.18E-03	3.12E-02	6.12E-03	1.19E-03	4.67E-02	8.16E-03	3.57E-06	6.71E-05	3.49E-05	8.27E-03
2524	497364.44	3858301.52	7.94E-03	3.14E-06	6.76E-05	3.56E-05	8.04E-03	8.28E-03	3.21E-02	6.17E-03	1.22E-03	4.78E-02	8.27E-03	3.68E-06	6.76E-05	3.56E-05	8.37E-03
2525	497414.44	3858301.52	8.01E-03	3.16E-06	6.76E-05	3.55E-05	8.12E-03	8.36E-03	3.23E-02	6.17E-03	1.21E-03	4.81E-02	8.34E-03	3.70E-06	6.76E-05	3.55E-05	8.45E-03
2526	497464.44	3858301.52	7.92E-03	3.13E-06	6.70E-05	3.53E-05	8.03E-03	8.27E-03	3.20E-02	6.11E-03	1.21E-03	4.76E-02	8.25E-03	3.66E-06	6.70E-05	3.53E-05	8.36E-03
2527	497514.44	3858301.52	7.87E-03	3.11E-06	6.66E-05	3.51E-05	7.97E-03	8.21E-03	3.17E-02	6.08E-03	1.20E-03	4.72E-02	8.19E-03	3.64E-06	6.66E-05	3.51E-05	8.30E-03
2528	497564.44	3858301.52	7.78E-03	3.07E-06	6.61E-05	3.49E-05	7.88E-03	8.12E-03	3.14E-02	6.03E-03	1.19E-03	4.67E-02	8.10E-03	3.59E-06	6.61E-05	3.49E-05	8.21E-03
2529	497614.44	3858301.52	7.75E-03	3.06E-06	6.58E-05	3.47E-05	7.86E-03	8.09E-03	3.12E-02	6.00E-03	1.19E-03	4.65E-02	8.07E-03	3.58E-06	6.58E-05	3.47E-05	8.18E-03
2530	497364.44	3858351.52	7.98E-03	3.19E-06	6.68E-05	3.55E-05	8.08E-03	8.32E-03	3.26E-02	6.09E-03	1.21E-03	4.83E-02	8.31E-03	3.74E-06	6.68E-05	3.55E-05	8.41E-03
2531	497414.44	3858351.52	7.93E-03	3.17E-06	6.63E-05	3.53E-05	8.03E-03	8.27E-03	3.24E-02	6.05E-03	1.21E-03	4.79E-02	8.25E-03	3.71E-06	6.63E-05	3.53E-05	8.36E-03
2532	497464.44	3858351.52	7.91E-03	3.16E-06	6.61E-05	3.52E-05	8.01E-03	8.25E-03	3.23E-02	6.03E-03	1.20E-03	4.78E-02	8.23E-03	3.70E-06	6.61E-05	3.52E-05	8.34E-03
2533	497514.44	3858351.52	7.86E-03	3.14E-06	6.57E-05	3.50E-05	7.97E-03	8.21E-03	3.21E-02	5.99E-03	1.20E-03	4.75E-02	8.19E-03	3.67E-06	6.57E-05	3.50E-05	8.29E-03
2534	497564.44	3858351.52	7.75E-03	3.10E-06	6.50E-05	3.47E-05	7.86E-03	8.09E-03	3.17E-02	5.93E-03	1.19E-03	4.69E-02	8.08E-03	3.63E-06	6.50E-05	3.47E-05	8.18E-03
2535	497614.44	3858351.52	7.73E-03	3.09E-06	6.47E-05	3.46E-05	7.84E-03	8.07E-03	3.15E-02	5.90E-03	1.18E-03	4.67E-02	8.05E-03	3.61E-06	6.47E-05	3.46E-05	8.16E-03
2536	497364.44	3858401.52	7.92E-03	3.20E-06	6.58E-05	3.53E-05	8.02E-03	8.26E-03	3.27E-02	6.00E-03	1.21E-03	4.82E-02	8.25E-03	3.75E-06	6.58E-05	3.53E-05	8.35E-03
2537	497414.44	3858401.52	7.88E-03	3.19E-06	6.53E-05	3.52E-05	7.99E-03	8.23E-03	3.26E-02	5.95E-03	1.20E-03	4.80E-02	8.21E-03	3.73E-06	6.53E-05	3.52E-05	8.31E-03
2538	497464.44	3858401.52	7.83E-03	3.17E-06	6.48E-05	3.50E-05	7.93E-03	8.17E-03	3.24E-02	5.91E-03	1.20E-03	4.76E-02	8.15E-03	3.70E-06	6.48E-05	3.50E-05	8.25E-03
2539	497514.44	3858401.52	7.80E-03	3.15E-06	6.45E-05	3.48E-05	7.90E-03	8.14E-03	3.22E-02	5.88E-03	1.19E-03	4.74E-02	8.12E-03	3.69E-06	6.45E-05	3.48E-05	8.22E-03
2540	497564.44	3858401.52	7.89E-03	3.17E-06	6.48E-05	3.48E-05	7.99E-03	8.23E-03	3.24E-02	5.91E-03	1.19E-03	4.77E-02	8.21E-03	3.71E-06	6.48E-05	3.48E-05	8.32E-03
2541	497614.44	3858401.52	8.00E-03	3.20E-06	6.51E-05	3.49E-05	8.10E-03	8.35E-03	3.26E-02	5.93E-03	1.19E-03	4.81E-02	8.33E-03	3.74E-06	6.51E-05	3.49E-05	8.44E-03
2542	493478.11	3860497.94	8.28E-03	1.08E-05	2.77E-05	3.41E-05	8.35E-03	8.64E-03	1.10E-01	2.52E-03	1.17E-03	1.23E-01	8.62E-03	1.26E-05	2.77E-05	3.41E-05	8.70E-03
2543	493528.11	3860497.94	8.30E-03	1.07E-05	2.78E-05	3.39E-05	8.38E-03	8.66E-03	1.09E-01	2.54E-03	1.16E-03	1.22E-01	8.65E-03	1.25E-05	2.78E-05	3.39E-05	8.72E-03
2544	493478.11	3860547.94	8.04E-03	1.06E-05	2.65E-05	3.32E-05	8.11E-03	8.39E-03	1.09E-01	2.42E-03	1.13E-03	1.20E-01	8.38E-03	1.24E-05	2.65E-05	3.32E-05	8.45E-03
2545	493528.11	3860547.94	8.07E-03	1.05E-05	2.66E-05	3.30E-05	8.14E-03	8.42E-03	1.08E-01	2.43E-03	1.13E-03	1.20E-01	8.40E-03	1.23E-05	2.66E-05	3.30E-05	8.47E-03
2546	493478.11	3860597.94	7.81E-03	1.04E-05	2.55E-05	3.22E-05	7.88E-03	8.15E-03	1.07E-01	2.33E-03	1.10E-03	1.18E-01	8.14E-03	1.22E-05	2.55E-05	3.22E-05	8.21E-03
2547	493528.11	3860597.94	7.84E-03	1.03E-05	2.56E-05	3.21E-05	7.91E-03	8.18E-03	1.06E-01	2.33E-03	1.10E-03	1.17E-01	8.16E-03	1.21E-05	2.56E-05	3.21E-05	8.23E-03
2548	493561.88	3860524.64	8.19E-03	1.05E-05	2.73E-05	3.33E-05	8.27E-03	8.55E-03	1.08E-01	2.49E-03	1.14E-03	1.20E-01	8.53E-03	1.23E-05	2.73E-05	3.33E-05	8.61E-03
2549	493591.88	3860524.64	8.21E-03	1.05E-05	2.74E-05	3.32E-05	8.28E-03	8.57E-03	1.07E-01	2.50E-03	1.14E-03	1.19E-01	8.55E-03	1.22E-05	2.74E-05	3.32E-05	8.63E-03
2550	493561.88	3860554.64	8.05E-03	1.04E-05	2.66E-05	3.28E-05	8.12E-03	8.40E-03	1.07E-01	2.42E-03	1.12E-03	1.19E-01	8.39E-03	1.22E-05	2.66E-05	3.28E-05	8.46E-03
2551	493591.88	3860554.64	8.08E-03	1.04E-05	2.67E-05	3.27E-05	8.15E-03	8.43E-03	1.06E-01	2.44E-03	1.12E-03	1.18E-01	8.41E-03	1.21E-05	2.67E-05	3.27E-05	8.48E-03
2552	492880.5	3860293.11	8.84E-03	1.33E-05	3.00E-05	4.18E-05	8.92E-03	9.22E-03	1.36E-01	2.74E-03	1.43E-03	1.49E-01	9.20E-03	1.55E-05	3.00E-05	4.18E-05	9.29E-03
2553	492930.5	3860293.11	8.89E-03	1.31E-05	3.04E-05	4.14E-05	8.98E-03	9.28E-03	1.34E-01	2.77E-03	1.42E-03	1.47E-01	9.26E-03	1.53E-05	3.04E-05	4.14E-05	9.35E-03
2554	492980.5	3860293.11	8.95E-03	1.29E-05	3.08E-05	4.10E-05	9.04E-03	9.34E-03	1.32E-01	2.81E-03	1.40E-03	1.46E-01	9.32E-03	1.51E-05	3.08E-05	4.10E-05	9.41E-03
2555	493030.5	3860293.11	9.05E-03	1.27E-05	3.11E-05	4.05E-05	9.13E-03	9.44E-03	1.29E-01	2.84E-03	1.38E-03	1.43E-01	9.42E-03	1.48E-05	3.11E-05	4.05E-05	9.51E-03
2556	493080.5	3860293.11	9.14E-03	1.23E-05	3.07E-05	4.01E-05	9.22E-03	9.54E-03	1.26E-01	2.80E-03	1.37E-03	1.40E-01	9.52E-03	1.44E-05	3.07E-05	4.01E-05	9.60E-03
2557	493130.5	3860293.11	9.14E-03	1.23E-05	3.13E-05	3.99E-05	9.22E-03	9.53E-03	1.26E-01	2.85E-03	1.36E-03	1.40E-01	9.51E-03	1.44E-05	3.13E-05	3.99E-05	9.60E-03
2558	493180.5	3860293.11	9.13E-03	1.22E-05	3.18E-05	3.97E-05	9.22E-03	9.53E-03	1.25E-01	2.90E-03	1.36E-03	1.39E-01	9.51E-03	1.43E-05	3.18E-05	3.97E-05	9.60E-03

2559	493230.5	3860293.11	9.15E-03	1.21E-05	3.21E-05	3.94E-05	9.23E-03	9.55E-03	1.24E-01	2.93E-03	1.35E-03	1.38E-01	9.53E-03	1.42E-05	3.21E-05	3.94E-05	9.62E-03
2560	493280.5	3860293.11	9.20E-03	1.19E-05	3.20E-05	3.91E-05	9.28E-03	9.60E-03	1.22E-01	2.91E-03	1.34E-03	1.36E-01	9.58E-03	1.39E-05	3.20E-05	3.91E-05	9.66E-03
2561	493330.5	3860293.11	9.23E-03	1.18E-05	3.20E-05	3.88E-05	9.31E-03	9.63E-03	1.20E-01	2.92E-03	1.33E-03	1.34E-01	9.61E-03	1.38E-05	3.20E-05	3.88E-05	9.70E-03
2562	493380.5	3860293.11	9.25E-03	1.16E-05	3.22E-05	3.85E-05	9.33E-03	9.65E-03	1.19E-01	2.94E-03	1.32E-03	1.33E-01	9.63E-03	1.36E-05	3.22E-05	3.85E-05	9.72E-03
2563	492880.5	3860343.11	8.56E-03	1.31E-05	2.87E-05	4.06E-05	8.64E-03	8.93E-03	1.33E-01	2.62E-03	1.39E-03	1.46E-01	8.91E-03	1.53E-05	2.87E-05	4.06E-05	9.00E-03
2564	492930.5	3860343.11	8.61E-03	1.29E-05	2.90E-05	4.03E-05	8.69E-03	8.99E-03	1.32E-01	2.64E-03	1.38E-03	1.45E-01	8.97E-03	1.51E-05	2.90E-05	4.03E-05	9.05E-03
2565	492980.5	3860343.11	8.72E-03	1.27E-05	2.98E-05	3.97E-05	8.80E-03	9.10E-03	1.29E-01	2.72E-03	1.36E-03	1.43E-01	9.08E-03	1.48E-05	2.98E-05	3.97E-05	9.16E-03
2566	493030.5	3860343.11	8.76E-03	1.25E-05	3.00E-05	3.94E-05	8.85E-03	9.14E-03	1.28E-01	2.74E-03	1.35E-03	1.41E-01	9.13E-03	1.46E-05	3.00E-05	3.94E-05	9.21E-03
2567	493080.5	3860343.11	8.85E-03	1.23E-05	2.99E-05	3.89E-05	8.94E-03	9.24E-03	1.25E-01	2.73E-03	1.33E-03	1.38E-01	9.22E-03	1.43E-05	2.99E-05	3.89E-05	9.30E-03
2568	493130.5	3860343.11	8.88E-03	1.21E-05	3.03E-05	3.87E-05	8.96E-03	9.26E-03	1.24E-01	2.76E-03	1.32E-03	1.37E-01	9.24E-03	1.42E-05	3.03E-05	3.87E-05	9.33E-03
2569	493180.5	3860343.11	8.87E-03	1.21E-05	3.07E-05	3.86E-05	8.95E-03	9.25E-03	1.24E-01	2.80E-03	1.32E-03	1.37E-01	9.24E-03	1.41E-05	3.07E-05	3.86E-05	9.32E-03
2570	493230.5	3860343.11	8.90E-03	1.20E-05	3.09E-05	3.83E-05	8.98E-03	9.28E-03	1.22E-01	2.81E-03	1.31E-03	1.36E-01	9.26E-03	1.40E-05	3.09E-05	3.83E-05	9.35E-03
2571	493280.5	3860343.11	8.95E-03	1.18E-05	3.10E-05	3.80E-05	9.03E-03	9.34E-03	1.20E-01	2.83E-03	1.30E-03	1.34E-01	9.32E-03	1.38E-05	3.10E-05	3.80E-05	9.41E-03
2572	493330.5	3860343.11	8.99E-03	1.16E-05	3.10E-05	3.77E-05	9.07E-03	9.38E-03	1.19E-01	2.83E-03	1.29E-03	1.32E-01	9.37E-03	1.36E-05	3.10E-05	3.77E-05	9.45E-03
2573	493380.5	3860343.11	9.02E-03	1.15E-05	3.11E-05	3.74E-05	9.10E-03	9.41E-03	1.17E-01	2.84E-03	1.28E-03	1.31E-01	9.39E-03	1.34E-05	3.11E-05	3.74E-05	9.47E-03
2574	492880.5	3860393.11	8.29E-03	1.28E-05	2.76E-05	3.95E-05	8.37E-03	8.64E-03	1.31E-01	2.51E-03	1.35E-03	1.44E-01	8.63E-03	1.50E-05	2.76E-05	3.95E-05	8.71E-03
2575	492930.5	3860393.11	8.35E-03	1.27E-05	2.79E-05	3.91E-05	8.43E-03	8.71E-03	1.30E-01	2.54E-03	1.34E-03	1.42E-01	8.69E-03	1.48E-05	2.79E-05	3.91E-05	8.77E-03
2576	492980.5	3860393.11	8.43E-03	1.25E-05	2.83E-05	3.86E-05	8.51E-03	8.79E-03	1.28E-01	2.58E-03	1.32E-03	1.40E-01	8.77E-03	1.46E-05	2.83E-05	3.86E-05	8.86E-03
2577	493030.5	3860393.11	8.49E-03	1.23E-05	2.87E-05	3.82E-05	8.57E-03	8.86E-03	1.26E-01	2.61E-03	1.31E-03	1.39E-01	8.84E-03	1.44E-05	2.87E-05	3.82E-05	8.92E-03
2578	493080.5	3860393.11	8.58E-03	1.21E-05	2.92E-05	3.78E-05	8.66E-03	8.96E-03	1.24E-01	2.66E-03	1.29E-03	1.37E-01	8.94E-03	1.42E-05	2.92E-05	3.78E-05	9.02E-03
2579	493130.5	3860393.11	8.60E-03	1.20E-05	2.94E-05	3.76E-05	8.68E-03	8.97E-03	1.23E-01	2.68E-03	1.29E-03	1.36E-01	8.96E-03	1.40E-05	2.94E-05	3.76E-05	9.04E-03
2580	493180.5	3860393.11	8.60E-03	1.19E-05	2.92E-05	3.75E-05	8.68E-03	8.97E-03	1.22E-01	2.66E-03	1.28E-03	1.35E-01	8.96E-03	1.39E-05	2.92E-05	3.75E-05	9.04E-03
2581	493230.5	3860393.11	8.64E-03	1.18E-05	2.94E-05	3.72E-05	8.72E-03	9.02E-03	1.20E-01	2.68E-03	1.27E-03	1.33E-01	9.00E-03	1.38E-05	2.94E-05	3.72E-05	9.08E-03
2582	493280.5	3860393.11	8.70E-03	1.16E-05	2.99E-05	3.69E-05	8.78E-03	9.08E-03	1.19E-01	2.73E-03	1.26E-03	1.32E-01	9.06E-03	1.36E-05	2.99E-05	3.69E-05	9.14E-03
2583	493330.5	3860393.11	8.75E-03	1.15E-05	3.01E-05	3.66E-05	8.83E-03	9.13E-03	1.17E-01	2.74E-03	1.25E-03	1.30E-01	9.11E-03	1.34E-05	3.01E-05	3.66E-05	9.19E-03
2584	493380.5	3860393.11	8.78E-03	1.13E-05	3.02E-05	3.64E-05	8.86E-03	9.16E-03	1.16E-01	2.75E-03	1.24E-03	1.29E-01	9.14E-03	1.32E-05	3.02E-05	3.64E-05	9.22E-03
2585	492880.5	3860443.11	8.03E-03	1.26E-05	2.67E-05	3.83E-05	8.11E-03	8.38E-03	1.29E-01	2.43E-03	1.31E-03	1.41E-01	8.37E-03	1.47E-05	2.67E-05	3.83E-05	8.45E-03
2586	492930.5	3860443.11	8.08E-03	1.25E-05	2.67E-05	3.80E-05	8.15E-03	8.43E-03	1.27E-01	2.44E-03	1.30E-03	1.39E-01	8.41E-03	1.46E-05	2.67E-05	3.80E-05	8.49E-03
2587	492980.5	3860443.11	8.14E-03	1.23E-05	2.70E-05	3.76E-05	8.22E-03	8.50E-03	1.26E-01	2.47E-03	1.29E-03	1.38E-01	8.48E-03	1.44E-05	2.70E-05	3.76E-05	8.56E-03
2588	493030.5	3860443.11	8.21E-03	1.21E-05	2.74E-05	3.72E-05	8.29E-03	8.57E-03	1.24E-01	2.50E-03	1.27E-03	1.36E-01	8.55E-03	1.42E-05	2.74E-05	3.72E-05	8.63E-03
2589	493080.5	3860443.11	8.26E-03	1.20E-05	2.76E-05	3.69E-05	8.34E-03	8.62E-03	1.23E-01	2.51E-03	1.26E-03	1.35E-01	8.60E-03	1.40E-05	2.76E-05	3.69E-05	8.68E-03
2590	493130.5	3860443.11	8.31E-03	1.19E-05	2.78E-05	3.66E-05	8.39E-03	8.67E-03	1.21E-01	2.53E-03	1.25E-03	1.34E-01	8.65E-03	1.39E-05	2.78E-05	3.66E-05	8.73E-03
2591	493180.5	3860443.11	8.32E-03	1.17E-05	2.77E-05	3.66E-05	8.40E-03	8.68E-03	1.20E-01	2.53E-03	1.25E-03	1.32E-01	8.66E-03	1.37E-05	2.77E-05	3.66E-05	8.74E-03
2592	493230.5	3860443.11	8.39E-03	1.16E-05	2.82E-05	3.62E-05	8.47E-03	8.76E-03	1.18E-01	2.57E-03	1.24E-03	1.31E-01	8.74E-03	1.36E-05	2.82E-05	3.62E-05	8.82E-03
2593	493280.5	3860443.11	8.44E-03	1.14E-05	2.85E-05	3.59E-05	8.52E-03	8.81E-03	1.17E-01	2.60E-03	1.23E-03	1.30E-01	8.79E-03	1.34E-05	2.85E-05	3.59E-05	8.87E-03
2594	493330.5	3860443.11	8.51E-03	1.13E-05	2.90E-05	3.55E-05	8.58E-03	8.87E-03	1.15E-01	2.65E-03	1.22E-03	1.28E-01	8.86E-03	1.32E-05	2.90E-05	3.55E-05	8.93E-03
2595	493380.5	3860443.11	8.53E-03	1.12E-05	2.92E-05	3.53E-05	8.61E-03	8.90E-03	1.14E-01	2.66E-03	1.21E-03	1.27E-01	8.88E-03	1.31E-05	2.92E-05	3.53E-05	8.96E-03
2596	493180.5	3860493.11	8.08E-03	1.15E-05	2.67E-05	3.55E-05	8.15E-03	8.43E-03	1.18E-01	2.44E-03	1.21E-03	1.30E-01	8.41E-03	1.35E-05	2.67E-05	3.55E-05	8.49E-03
2597	493230.5	3860493.11	8.14E-03	1.14E-05	2.70E-05	3.52E-05	8.21E-03	8.49E-03	1.16E-01	2.46E-03	1.20E-03	1.29E-01	8.47E-03	1.33E-05	2.70E-05	3.52E-05	8.55E-03
2598	493280.5	3860493.11	8.19E-03	1.13E-05	2.73E-05	3.49E-05	8.27E-03	8.55E-03	1.15E-01	2.49E-03	1.19E-03	1.27E-01	8.53E-03	1.32E-05	2.73E-05	3.49E-05	8.61E-03
2599	493330.5	3860493.11	8.24E-03	1.11E-05	2.76E-05	3.46E-05	8.32E-03	8.60E-03	1.14E-01	2.52E-03	1.18E-03	1.26E-01	8.58E-03	1.30E-05	2.76E-05	3.46E-05	8.66E-03
2600	493380.5	3860493.11	8.27E-03	1.10E-05	2.77E-05	3.44E-05	8.34E-03	8.63E-03	1.13E-01	2.52E-03	1.18E-03	1.25E-01	8.61E-03	1.29E-05	2.77E-05	3.44E-05	8.69E-03
2601	493330.5	3860543.11	8.00E-03	1.09E-05	2.64E-05	3.36E-05	8.07E-03	8.34E-03	1.12E-01	2.41E-03	1.15E-03	1.24E-01	8.33E-03	1.28E-05	2.64E-05	3.36E-05	8.40E-03
2602	493380.5	3860543.11	8.02E-03	1.08E-05	2.65E-05	3.35E-05	8.09E-03	8.37E-03	1.11E-01	2.42E-03	1.14E-03	1.23E-01	8.35E-03	1.27E-05	2.65E-05	3.35E-05	8.43E-03
2603	494135.94	3860876.85	7.03E-03	8.36E-06	2.22E-05	2.57E-05	7.09E-03	7.34E-03	8.54E-02	2.03E-03	8.78E-04	9.57E-02	7.32E-03	9.78E-06	2.22E-05	2.57E-05	7.38E-03
2604	494185.94	3860876.85	7.06E-03	8.29E-06	2.23E-05	2.56E-05	7.11E-03	7.36E-03	8.47E-02	2.04E-03	8.75E-04	9.50E-02	7.35E-03	9.70E-06	2.23E-05	2.56E-05	7.41E-03
2605	494135.94	3860926.85	6.84E-03	8.20E-06	2.15E-05	2.47E-05	6.89E-03	7.14E-03	8.38E-02	1.96E-03	8.46E-04	9.37E-02	7.12E-03	9.59E-06	2.15E-05	2.47E-05	7.18E-03
2606	494185.94	3860926.85	6.87E-03	8.13E-06	2.16E-05	2.47E-05	6.92E-03	7.17E-03	8.31E-02	1.97E-03	8.44E-04	9.31E-02	7.15E-03	9.52E-06	2.16E-05	2.47E-05	7.21E-03
2607	494135.94	3860976.85	6.65E-03	8.04E-06	2.09E-05	2.39E-05	6.70E-03	6.94E-03	8.21E-02	1.91E-03	8.16E-04	9.18E-02	6.93E-03	9.40E-06	2.09E-05	2.39E-05	6.98E-03
2608	494185.94	3860976.85	6.68E-03	7.98E-06	2.10E-05	2.39E-05	6.73E-03	6.97E-03	8.15E-02	1.91E-03	8.16E-04	9.12E-02	6.96E-03	9.33E-06	2.10E-05	2.39E-05	7.01E-03
2609	494135.94	3861026.85	6.46E-03	7.87E-06	2.03E-05	2.31E-05	6.52E-03	6.74E-03	8.04E-02	1.85E-03	7.89E-04	8.98E-02	6.73E-03	9.21E-06	2.03E-05	2.31E-05	6.78E-03
2610	494185.94	3861026.85	6.50E-03	7.82E-06	2.04E-05	2.30E-05	6.55E-03	6.78E-03	7.99E-02	1.86E-03	7.88E-04	8.93E-02	6.77E-03	9.15E-06	2.04E-05	2.30E-05	6.82E-03
2611	494135.94	3861076.85	6.29E-03	7.71E-06	1.99E-05	2.23E-05	6.34E-03	6.56E-03	7.88E-02	1.81E-03	7.62E-04	8.79E-02	6.55E-03	9.02E-06	1.99E-05	2.23E-05	6.60E-03
2612	494185.94	3861076.85	6.32E-03	7.66E-06	1.99E-05	2.23E-05	6.37E-03	6.59E-03	7.82E-02	1.81E-03	7.61E-04	8.74E-02	6.58E-03	8.96E-06	1.99E-05	2.23E-05	6.63E-03
2613	490360.04	3858710.04	2.14E-02	2.69E-05	1.36E-04	1.07E-04	2.17E-02	2.24E-02	2.75E-01	1.24E-02	3.64E-03	3.13E-01	2.23E-02	3.15E-05	1.36E-04	1.07E-04	2.26E-02
2614	490410.04	3858710.04	2.15E-02	2.63E-05	1.35E-04	1.05E-04	2.18E-02	2.25E-02	2.68E-01	1.23E-02	3.61E-03	3.07E-01	2.24E-02	3.07E-05	1.35E-04	1.05E-04	2.27E-02
2615	490460.04	3858710.04	2.16E-02	2.54E-05	1.35E-04	1.04E-04	2.19E-02	2.26E-02	2.60E-01	1.23E-02	3.57E-03	2.98E-01	2.25E-02	2.98E-05	1.35E-04	1.04E-04	2.28E-02
2616	490510.04	3858710.04	2.17E-02	2.48E-05	1.34E-04	1.03E-04	2.19E-02	2.26E-02	2.54E-01	1.22E-02	3.53E-03	2.92E-01	2.26E-02	2.90E-05	1.34E-04	1.03E-04	2.28E-02
2617	490560.04	3858710.04	2.17E-02	2.43E-05	1.34E-04	1.02E-04	2.20E-02	2.26E-02	2.48E-01	1.22E-02	3.50E-03	2.87E-01	2.26E-02	2.84E-05	1.34E-04	1.02E-04	2.29E-02
2618	490610.04	3858710.04	2.17E-02	2.38E-05	1.33E-04	1.01E-04	2.20E-02	2.27E-02	2.43E-01	1.22E-02	3.46E-03	2.81E-01	2.26E-02	2.78E-05	1.33E-04	1.01E-04	2.29E-02
2619	490660.04	3858710.04	2.17E-02	2.34E-05	1.33E-04	1.00E-04	2.20E-02	2.26E-02	2.39E-01	1.21E-02	3.43E-03	2.77E-01	2.26E-02	2.74E-05	1.33E-04	1.00E-04	2.29E-02

2620	490710.04	3858710.04	2.17E-02	2.28E-05	1.33E-04	9.94E-05	2.20E-02	2.27E-02	2.33E-01	1.21E-02	3.40E-03	2.71E-01	2.26E-02	2.66E-05	1.33E-04	9.94E-05	2.29E-02
2621	490760.04	3858710.04	2.17E-02	2.22E-05	1.33E-04	9.85E-05	2.20E-02	2.26E-02	2.27E-01	1.21E-02	3.37E-03	2.65E-01	2.26E-02	2.60E-05	1.33E-04	9.85E-05	2.29E-02
2622	490810.04	3858710.04	2.17E-02	2.17E-05	1.33E-04	9.77E-05	2.19E-02	2.26E-02	2.22E-01	1.21E-02	3.34E-03	2.60E-01	2.26E-02	2.54E-05	1.33E-04	9.77E-05	2.28E-02
2623	490860.04	3858710.04	2.16E-02	2.11E-05	1.33E-04	9.69E-05	2.19E-02	2.26E-02	2.15E-01	1.21E-02	3.31E-03	2.53E-01	2.25E-02	2.46E-05	1.33E-04	9.69E-05	2.28E-02
2624	490360.04	3858760.04	2.06E-02	2.77E-05	1.25E-04	1.10E-04	2.09E-02	2.15E-02	2.83E-01	1.14E-02	3.75E-03	3.20E-01	2.15E-02	3.24E-05	1.25E-04	1.10E-04	2.18E-02
2625	490410.04	3858760.04	2.07E-02	2.69E-05	1.25E-04	1.08E-04	2.10E-02	2.16E-02	2.75E-01	1.14E-02	3.70E-03	3.12E-01	2.16E-02	3.15E-05	1.25E-04	1.08E-04	2.19E-02
2626	490460.04	3858760.04	2.08E-02	2.62E-05	1.24E-04	1.07E-04	2.11E-02	2.17E-02	2.67E-01	1.13E-02	3.66E-03	3.04E-01	2.17E-02	3.06E-05	1.24E-04	1.07E-04	2.20E-02
2627	490510.04	3858760.04	2.09E-02	2.54E-05	1.24E-04	1.06E-04	2.12E-02	2.18E-02	2.59E-01	1.13E-02	3.62E-03	2.96E-01	2.18E-02	2.97E-05	1.24E-04	1.06E-04	2.20E-02
2628	490560.04	3858760.04	2.10E-02	2.47E-05	1.24E-04	1.05E-04	2.12E-02	2.19E-02	2.53E-01	1.13E-02	3.59E-03	2.89E-01	2.18E-02	2.89E-05	1.24E-04	1.05E-04	2.21E-02
2629	490610.04	3858760.04	2.10E-02	2.41E-05	1.24E-04	1.04E-04	2.13E-02	2.19E-02	2.46E-01	1.13E-02	3.55E-03	2.83E-01	2.19E-02	2.82E-05	1.24E-04	1.04E-04	2.21E-02
2630	490660.04	3858760.04	2.10E-02	2.35E-05	1.23E-04	1.03E-04	2.13E-02	2.19E-02	2.40E-01	1.13E-02	3.51E-03	2.77E-01	2.19E-02	2.75E-05	1.23E-04	1.03E-04	2.21E-02
2631	490710.04	3858760.04	2.10E-02	2.29E-05	1.23E-04	1.02E-04	2.13E-02	2.20E-02	2.34E-01	1.13E-02	3.48E-03	2.71E-01	2.19E-02	2.68E-05	1.23E-04	1.02E-04	2.22E-02
2632	490760.04	3858760.04	2.10E-02	2.23E-05	1.23E-04	1.01E-04	2.13E-02	2.20E-02	2.28E-01	1.13E-02	3.45E-03	2.64E-01	2.19E-02	2.61E-05	1.23E-04	1.01E-04	2.22E-02
2633	490810.04	3858760.04	2.10E-02	2.17E-05	1.24E-04	9.99E-05	2.13E-02	2.19E-02	2.22E-01	1.13E-02	3.42E-03	2.58E-01	2.19E-02	2.54E-05	1.24E-04	9.99E-05	2.22E-02
2634	490860.04	3858760.04	2.10E-02	2.12E-05	1.24E-04	9.90E-05	2.12E-02	2.19E-02	2.16E-01	1.13E-02	3.39E-03	2.53E-01	2.19E-02	2.48E-05	1.24E-04	9.90E-05	2.21E-02
2635	490360.04	3858810.04	1.98E-02	2.83E-05	1.15E-04	1.13E-04	2.01E-02	2.07E-02	2.89E-01	1.05E-02	3.85E-03	3.24E-01	2.07E-02	3.31E-05	1.15E-04	1.13E-04	2.09E-02
2636	490410.04	3858810.04	2.00E-02	2.75E-05	1.15E-04	1.11E-04	2.02E-02	2.08E-02	2.81E-01	1.05E-02	3.80E-03	3.16E-01	2.08E-02	3.21E-05	1.15E-04	1.11E-04	2.11E-02
2637	490460.04	3858810.04	2.01E-02	2.66E-05	1.15E-04	1.10E-04	2.03E-02	2.09E-02	2.72E-01	1.05E-02	3.76E-03	3.07E-01	2.09E-02	3.12E-05	1.15E-04	1.10E-04	2.12E-02
2638	490510.04	3858810.04	2.01E-02	2.60E-05	1.15E-04	1.09E-04	2.04E-02	2.10E-02	2.65E-01	1.05E-02	3.72E-03	3.01E-01	2.10E-02	3.04E-05	1.15E-04	1.09E-04	2.12E-02
2639	490560.04	3858810.04	2.02E-02	2.53E-05	1.15E-04	1.07E-04	2.05E-02	2.11E-02	2.58E-01	1.05E-02	3.67E-03	2.94E-01	2.10E-02	2.96E-05	1.15E-04	1.07E-04	2.13E-02
2640	490610.04	3858810.04	2.03E-02	2.45E-05	1.15E-04	1.06E-04	2.05E-02	2.12E-02	2.50E-01	1.05E-02	3.63E-03	2.85E-01	2.11E-02	2.86E-05	1.15E-04	1.06E-04	2.14E-02
2641	490660.04	3858810.04	2.03E-02	2.38E-05	1.15E-04	1.05E-04	2.06E-02	2.12E-02	2.43E-01	1.05E-02	3.60E-03	2.79E-01	2.12E-02	2.79E-05	1.15E-04	1.05E-04	2.14E-02
2642	490710.04	3858810.04	2.04E-02	2.31E-05	1.15E-04	1.04E-04	2.06E-02	2.12E-02	2.36E-01	1.05E-02	3.56E-03	2.72E-01	2.12E-02	2.71E-05	1.15E-04	1.04E-04	2.15E-02
2643	490760.04	3858810.04	2.04E-02	2.23E-05	1.15E-04	1.03E-04	2.06E-02	2.13E-02	2.28E-01	1.05E-02	3.53E-03	2.63E-01	2.12E-02	2.61E-05	1.15E-04	1.03E-04	2.15E-02
2644	490810.04	3858810.04	2.04E-02	2.19E-05	1.15E-04	1.02E-04	2.06E-02	2.13E-02	2.24E-01	1.05E-02	3.49E-03	2.59E-01	2.12E-02	2.56E-05	1.15E-04	1.02E-04	2.15E-02
2645	490860.04	3858810.04	2.04E-02	2.12E-05	1.16E-04	1.01E-04	2.06E-02	2.13E-02	2.17E-01	1.05E-02	3.45E-03	2.52E-01	2.12E-02	2.49E-05	1.16E-04	1.01E-04	2.15E-02
2646	490360.04	3858860.04	1.91E-02	2.87E-05	1.06E-04	1.16E-04	1.93E-02	1.99E-02	2.93E-01	9.70E-03	3.96E-03	3.27E-01	1.99E-02	3.36E-05	1.06E-04	1.16E-04	2.01E-02
2647	490410.04	3858860.04	1.92E-02	2.81E-05	1.06E-04	1.14E-04	1.94E-02	2.00E-02	2.87E-01	9.71E-03	3.91E-03	3.20E-01	2.00E-02	3.28E-05	1.06E-04	1.14E-04	2.02E-02
2648	490460.04	3858860.04	1.93E-02	2.71E-05	1.06E-04	1.13E-04	1.96E-02	2.02E-02	2.77E-01	9.71E-03	3.86E-03	3.11E-01	2.01E-02	3.17E-05	1.06E-04	1.13E-04	2.04E-02
2649	490510.04	3858860.04	1.94E-02	2.66E-05	1.06E-04	1.11E-04	1.96E-02	2.02E-02	2.71E-01	9.71E-03	3.81E-03	3.05E-01	2.02E-02	3.11E-05	1.06E-04	1.11E-04	2.04E-02
2650	490560.04	3858860.04	1.95E-02	2.57E-05	1.06E-04	1.10E-04	1.97E-02	2.03E-02	2.63E-01	9.71E-03	3.76E-03	2.97E-01	2.03E-02	3.01E-05	1.06E-04	1.10E-04	2.05E-02
2651	490610.04	3858860.04	1.96E-02	2.47E-05	1.07E-04	1.09E-04	1.98E-02	2.04E-02	2.53E-01	9.72E-03	3.72E-03	2.87E-01	2.04E-02	2.89E-05	1.07E-04	1.09E-04	2.06E-02
2652	490660.04	3858860.04	1.96E-02	2.41E-05	1.07E-04	1.08E-04	1.99E-02	2.05E-02	2.46E-01	9.73E-03	3.68E-03	2.80E-01	2.04E-02	2.81E-05	1.07E-04	1.08E-04	2.07E-02
2653	490710.04	3858860.04	1.97E-02	2.35E-05	1.07E-04	1.06E-04	1.99E-02	2.05E-02	2.40E-01	9.75E-03	3.63E-03	2.74E-01	2.05E-02	2.75E-05	1.07E-04	1.06E-04	2.07E-02
2654	490760.04	3858860.04	1.97E-02	2.27E-05	1.07E-04	1.05E-04	1.99E-02	2.06E-02	2.32E-01	9.78E-03	3.59E-03	2.66E-01	2.05E-02	2.65E-05	1.07E-04	1.05E-04	2.08E-02
2655	490810.04	3858860.04	1.97E-02	2.19E-05	1.08E-04	1.04E-04	2.00E-02	2.06E-02	2.24E-01	9.82E-03	3.56E-03	2.58E-01	2.06E-02	2.56E-05	1.08E-04	1.04E-04	2.08E-02
2656	490860.04	3858860.04	1.97E-02	2.12E-05	1.08E-04	1.03E-04	2.00E-02	2.06E-02	2.16E-01	9.87E-03	3.52E-03	2.50E-01	2.06E-02	2.48E-05	1.08E-04	1.03E-04	2.08E-02
2657	490360.04	3858910.04	1.83E-02	2.96E-05	9.81E-05	1.19E-04	1.85E-02	1.91E-02	3.02E-01	8.94E-03	4.06E-03	3.34E-01	1.90E-02	3.46E-05	9.81E-05	1.19E-04	1.93E-02
2658	490410.04	3858910.04	1.84E-02	2.87E-05	9.83E-05	1.17E-04	1.87E-02	1.92E-02	2.93E-01	8.97E-03	4.01E-03	3.25E-01	1.92E-02	3.36E-05	9.83E-05	1.17E-04	1.94E-02
2659	490460.04	3858910.04	1.85E-02	2.78E-05	9.85E-05	1.15E-04	1.88E-02	1.93E-02	2.84E-01	8.98E-03	3.95E-03	3.16E-01	1.93E-02	3.25E-05	9.85E-05	1.15E-04	1.96E-02
2660	490510.04	3858910.04	1.87E-02	2.69E-05	9.87E-05	1.14E-04	1.89E-02	1.95E-02	2.75E-01	9.00E-03	3.90E-03	3.07E-01	1.94E-02	3.15E-05	9.87E-05	1.14E-04	1.97E-02
2661	490560.04	3858910.04	1.88E-02	2.60E-05	9.89E-05	1.13E-04	1.90E-02	1.96E-02	2.65E-01	9.02E-03	3.85E-03	2.98E-01	1.95E-02	3.04E-05	9.89E-05	1.13E-04	1.98E-02
2662	490610.04	3858910.04	1.89E-02	2.50E-05	9.91E-05	1.11E-04	1.91E-02	1.97E-02	2.56E-01	9.04E-03	3.80E-03	2.88E-01	1.96E-02	2.93E-05	9.91E-05	1.11E-04	1.99E-02
2663	490660.04	3858910.04	1.89E-02	2.43E-05	9.94E-05	1.10E-04	1.92E-02	1.98E-02	2.48E-01	9.06E-03	3.75E-03	2.81E-01	1.97E-02	2.84E-05	9.94E-05	1.10E-04	2.00E-02
2664	490710.04	3858910.04	1.90E-02	2.35E-05	9.97E-05	1.08E-04	1.92E-02	1.98E-02	2.40E-01	9.10E-03	3.71E-03	2.73E-01	1.98E-02	2.75E-05	9.97E-05	1.08E-04	2.00E-02
2665	490760.04	3858910.04	1.91E-02	2.26E-05	1.00E-04	1.07E-04	1.93E-02	1.99E-02	2.31E-01	9.14E-03	3.67E-03	2.64E-01	1.98E-02	2.64E-05	1.00E-04	1.07E-04	2.01E-02
2666	490810.04	3858910.04	1.91E-02	2.19E-05	1.01E-04	1.06E-04	1.93E-02	1.99E-02	2.24E-01	9.18E-03	3.62E-03	2.57E-01	1.99E-02	2.57E-05	1.01E-04	1.06E-04	2.01E-02
2667	490860.04	3858910.04	1.91E-02	2.11E-05	1.01E-04	1.05E-04	1.93E-02	1.99E-02	2.16E-01	9.26E-03	3.58E-03	2.48E-01	1.99E-02	2.47E-05	1.01E-04	1.05E-04	2.01E-02
2668	490360.04	3858960.04	1.75E-02	3.00E-05	9.03E-05	1.22E-04	1.78E-02	1.83E-02	3.07E-01	8.23E-03	4.17E-03	3.37E-01	1.83E-02	3.51E-05	9.03E-05	1.22E-04	1.85E-02
2669	490410.04	3858960.04	1.77E-02	2.90E-05	9.07E-05	1.20E-04	1.79E-02	1.85E-02	2.96E-01	8.27E-03	4.10E-03	3.27E-01	1.84E-02	3.39E-05	9.07E-05	1.20E-04	1.87E-02
2670	490460.04	3858960.04	1.78E-02	2.80E-05	9.10E-05	1.18E-04	1.81E-02	1.86E-02	2.86E-01	8.30E-03	4.04E-03	3.17E-01	1.86E-02	3.27E-05	9.10E-05	1.18E-04	1.88E-02
2671	490510.04	3858960.04	1.79E-02	2.71E-05	9.14E-05	1.17E-04	1.82E-02	1.87E-02	2.76E-01	8.33E-03	3.99E-03	3.08E-01	1.87E-02	3.17E-05	9.14E-05	1.17E-04	1.89E-02
2672	490560.04	3858960.04	1.81E-02	2.62E-05	9.18E-05	1.15E-04	1.83E-02	1.88E-02	2.67E-01	8.37E-03	3.93E-03	2.99E-01	1.88E-02	3.06E-05	9.18E-05	1.15E-04	1.90E-02
2673	490610.04	3858960.04	1.82E-02	2.51E-05	9.22E-05	1.13E-04	1.84E-02	1.90E-02	2.57E-01	8.41E-03	3.88E-03	2.88E-01	1.89E-02	2.94E-05	9.22E-05	1.13E-04	1.92E-02
2674	490660.04	3858960.04	1.82E-02	2.45E-05	9.25E-05	1.12E-04	1.85E-02	1.90E-02	2.51E-01	8.44E-03	3.82E-03	2.82E-01	1.90E-02	2.87E-05	9.25E-05	1.12E-04	1.92E-02
2675	490710.04	3858960.04	1.83E-02	2.36E-05	9.31E-05	1.10E-04	1.85E-02	1.91E-02	2.41E-01	8.49E-03	3.78E-03	2.72E-01	1.91E-02	2.76E-05	9.31E-05	1.10E-04	1.93E-02
2676	490760.04	3858960.04	1.84E-02	2.27E-05	9.36E-05	1.09E-04	1.86E-02	1.92E-02	2.32E-01	8.54E-03	3.73E-03	2.63E-01	1.91E-02	2.66E-05	9.36E-05	1.09E-04	1.94E-02
2677	490810.04	3858960.04	1.84E-02	2.19E-05	9.43E-05	1.08E-04	1.86E-02	1.92E-02	2.24E-01	8.60E-03	3.69E-03	2.55E-01	1.92E-02	2.56E-05	9.43E-05	1.08E-04	1.94E-02
2678	490860.04	3858960.04	1.84E-02	2.10E-05	9.52E-05	1.07E-04	1.87E-02	1.93E-02	2.14E-01	8.68E-03	3.65E-03	2.46E-01	1.92E-02	2.46E-05	9.52E-05	1.07E-04	1.94E-02
2679	490360.04	3859010.04	1.68E-02	3.04E-05	8.31E-05	1.25E-04	1.71E-02	1.76E-02	3.11E-01	7.58E-03	4.27E-03	3.40E-01	1.75E-02	3.56E-05	8.31E-05	1.25E-04	1.78E-02
2680	490410.04	3859010.04	1.70E-02	2.93E-05	8.36E-05	1.23E-04	1.72E-02	1.77E-02	2.99E-01	7.62E-03	4.20E-03	3.29E-01	1.77E-02	3.43E-05	8.36E-05	1.23E-04	1.79E-02

2681	490460.04	3859010.04	1.71E-02	2.81E-05	8.40E-05	1.21E-04	1.74E-02	1.79E-02	2.87E-01	7.67E-03	4.13E-03	3.16E-01	1.78E-02	3.28E-05	8.40E-05	1.21E-04	1.81E-02
2682	490510.04	3859010.04	1.73E-02	2.69E-05	8.46E-05	1.19E-04	1.75E-02	1.80E-02	2.75E-01	7.71E-03	4.07E-03	3.05E-01	1.80E-02	3.15E-05	8.46E-05	1.19E-04	1.82E-02
2683	490560.04	3859010.04	1.74E-02	2.62E-05	8.51E-05	1.17E-04	1.76E-02	1.81E-02	2.67E-01	7.76E-03	4.01E-03	2.97E-01	1.81E-02	3.06E-05	8.51E-05	1.17E-04	1.83E-02
2684	490610.04	3859010.04	1.75E-02	2.51E-05	8.57E-05	1.16E-04	1.77E-02	1.82E-02	2.57E-01	7.82E-03	3.95E-03	2.87E-01	1.82E-02	2.94E-05	8.57E-05	1.16E-04	1.84E-02
2685	490660.04	3859010.04	1.76E-02	2.45E-05	8.62E-05	1.14E-04	1.78E-02	1.83E-02	2.51E-01	7.86E-03	3.89E-03	2.81E-01	1.83E-02	2.87E-05	8.62E-05	1.14E-04	1.85E-02
2686	490710.04	3859010.04	1.77E-02	2.35E-05	8.69E-05	1.12E-04	1.79E-02	1.84E-02	2.40E-01	7.92E-03	3.84E-03	2.70E-01	1.84E-02	2.75E-05	8.69E-05	1.12E-04	1.86E-02
2687	490760.04	3859010.04	1.77E-02	2.26E-05	8.76E-05	1.11E-04	1.79E-02	1.85E-02	2.31E-01	7.99E-03	3.79E-03	2.61E-01	1.84E-02	2.64E-05	8.76E-05	1.11E-04	1.87E-02
2688	490810.04	3859010.04	1.78E-02	2.17E-05	8.84E-05	1.10E-04	1.80E-02	1.85E-02	2.22E-01	8.06E-03	3.75E-03	2.52E-01	1.85E-02	2.54E-05	8.84E-05	1.10E-04	1.87E-02
2689	490860.04	3859010.04	1.78E-02	2.09E-05	8.92E-05	1.08E-04	1.80E-02	1.86E-02	2.14E-01	8.13E-03	3.70E-03	2.44E-01	1.85E-02	2.45E-05	8.92E-05	1.08E-04	1.88E-02
2690	490360.04	3859060.04	1.62E-02	3.07E-05	7.65E-05	1.27E-04	1.64E-02	1.69E-02	3.13E-01	6.98E-03	4.36E-03	3.42E-01	1.68E-02	3.59E-05	7.65E-05	1.27E-04	1.71E-02
2691	490410.04	3859060.04	1.63E-02	2.92E-05	7.70E-05	1.25E-04	1.66E-02	1.70E-02	2.98E-01	7.02E-03	4.28E-03	3.27E-01	1.70E-02	3.42E-05	7.70E-05	1.25E-04	1.72E-02
2692	490460.04	3859060.04	1.65E-02	2.80E-05	7.76E-05	1.23E-04	1.67E-02	1.72E-02	2.86E-01	7.08E-03	4.21E-03	3.15E-01	1.71E-02	3.28E-05	7.76E-05	1.23E-04	1.74E-02
2693	490510.04	3859060.04	1.66E-02	2.70E-05	7.82E-05	1.21E-04	1.68E-02	1.73E-02	2.76E-01	7.13E-03	4.15E-03	3.05E-01	1.73E-02	3.16E-05	7.82E-05	1.21E-04	1.75E-02
2694	490560.04	3859060.04	1.67E-02	2.59E-05	7.89E-05	1.19E-04	1.69E-02	1.74E-02	2.64E-01	7.20E-03	4.08E-03	2.93E-01	1.74E-02	3.03E-05	7.89E-05	1.19E-04	1.76E-02
2695	490610.04	3859060.04	1.68E-02	2.51E-05	7.96E-05	1.18E-04	1.70E-02	1.75E-02	2.56E-01	7.26E-03	4.02E-03	2.85E-01	1.75E-02	2.94E-05	7.96E-05	1.18E-04	1.77E-02
2696	490660.04	3859060.04	1.69E-02	2.44E-05	8.02E-05	1.16E-04	1.71E-02	1.76E-02	2.49E-01	7.32E-03	3.96E-03	2.78E-01	1.76E-02	2.85E-05	8.02E-05	1.16E-04	1.78E-02
2697	490710.04	3859060.04	1.70E-02	2.33E-05	8.10E-05	1.14E-04	1.72E-02	1.77E-02	2.38E-01	7.39E-03	3.91E-03	2.67E-01	1.77E-02	2.73E-05	8.10E-05	1.14E-04	1.79E-02
2698	490760.04	3859060.04	1.71E-02	2.24E-05	8.19E-05	1.13E-04	1.73E-02	1.78E-02	2.29E-01	7.47E-03	3.86E-03	2.58E-01	1.78E-02	2.62E-05	8.19E-05	1.13E-04	1.80E-02
2699	490810.04	3859060.04	1.71E-02	2.15E-05	8.28E-05	1.11E-04	1.73E-02	1.79E-02	2.19E-01	7.55E-03	3.81E-03	2.48E-01	1.78E-02	2.51E-05	8.28E-05	1.11E-04	1.80E-02
2700	490860.04	3859060.04	1.71E-02	2.07E-05	8.37E-05	1.10E-04	1.73E-02	1.79E-02	2.11E-01	7.63E-03	3.77E-03	2.40E-01	1.78E-02	2.42E-05	8.37E-05	1.10E-04	1.80E-02
2701	490360.04	3859110.04	1.55E-02	3.11E-05	7.07E-05	1.30E-04	1.58E-02	1.62E-02	3.17E-01	6.45E-03	4.44E-03	3.44E-01	1.62E-02	3.63E-05	7.07E-05	1.30E-04	1.64E-02
2702	490410.04	3859110.04	1.57E-02	2.95E-05	7.11E-05	1.27E-04	1.59E-02	1.64E-02	3.02E-01	6.49E-03	4.36E-03	3.29E-01	1.63E-02	3.46E-05	7.11E-05	1.27E-04	1.66E-02
2703	490460.04	3859110.04	1.58E-02	2.85E-05	7.17E-05	1.25E-04	1.60E-02	1.65E-02	2.91E-01	6.54E-03	4.28E-03	3.18E-01	1.64E-02	3.33E-05	7.17E-05	1.25E-04	1.67E-02
2704	490510.04	3859110.04	1.59E-02	2.69E-05	7.24E-05	1.23E-04	1.62E-02	1.66E-02	2.75E-01	6.60E-03	4.22E-03	3.02E-01	1.66E-02	3.14E-05	7.24E-05	1.23E-04	1.68E-02
2705	490560.04	3859110.04	1.60E-02	2.58E-05	7.31E-05	1.21E-04	1.63E-02	1.67E-02	2.64E-01	6.67E-03	4.15E-03	2.91E-01	1.67E-02	3.02E-05	7.31E-05	1.21E-04	1.69E-02
2706	490610.04	3859110.04	1.62E-02	2.48E-05	7.39E-05	1.20E-04	1.64E-02	1.69E-02	2.53E-01	6.74E-03	4.09E-03	2.81E-01	1.68E-02	2.90E-05	7.39E-05	1.20E-04	1.70E-02
2707	490660.04	3859110.04	1.62E-02	2.36E-05	7.48E-05	1.18E-04	1.65E-02	1.69E-02	2.41E-01	6.82E-03	4.03E-03	2.69E-01	1.69E-02	2.76E-05	7.48E-05	1.18E-04	1.71E-02
2708	490710.04	3859110.04	1.63E-02	2.29E-05	7.56E-05	1.16E-04	1.65E-02	1.70E-02	2.34E-01	6.89E-03	3.97E-03	2.62E-01	1.70E-02	2.68E-05	7.56E-05	1.16E-04	1.72E-02
2709	490760.04	3859110.04	1.64E-02	2.20E-05	7.65E-05	1.15E-04	1.66E-02	1.71E-02	2.25E-01	6.97E-03	3.92E-03	2.53E-01	1.71E-02	2.58E-05	7.65E-05	1.15E-04	1.73E-02
2710	490810.04	3859110.04	1.64E-02	2.11E-05	7.75E-05	1.13E-04	1.66E-02	1.71E-02	2.15E-01	7.07E-03	3.87E-03	2.43E-01	1.71E-02	2.47E-05	7.75E-05	1.13E-04	1.73E-02
2711	490860.04	3859110.04	1.64E-02	2.02E-05	7.86E-05	1.12E-04	1.66E-02	1.71E-02	2.06E-01	7.17E-03	3.83E-03	2.34E-01	1.71E-02	2.36E-05	7.86E-05	1.12E-04	1.73E-02
2712	490360.04	3859160.04	1.49E-02	3.15E-05	6.56E-05	1.32E-04	1.52E-02	1.56E-02	3.22E-01	5.98E-03	4.51E-03	3.48E-01	1.55E-02	3.69E-05	6.56E-05	1.32E-04	1.58E-02
2713	490410.04	3859160.04	1.51E-02	3.00E-05	6.60E-05	1.29E-04	1.53E-02	1.57E-02	3.07E-01	6.02E-03	4.43E-03	3.33E-01	1.57E-02	3.51E-05	6.60E-05	1.29E-04	1.59E-02
2714	490460.04	3859160.04	1.52E-02	2.87E-05	6.65E-05	1.27E-04	1.54E-02	1.58E-02	2.93E-01	6.07E-03	4.35E-03	3.19E-01	1.58E-02	3.36E-05	6.65E-05	1.27E-04	1.60E-02
2715	490510.04	3859160.04	1.53E-02	2.74E-05	6.71E-05	1.25E-04	1.55E-02	1.60E-02	2.80E-01	6.12E-03	4.27E-03	3.06E-01	1.59E-02	3.21E-05	6.71E-05	1.25E-04	1.62E-02
2716	490560.04	3859160.04	1.54E-02	2.60E-05	6.78E-05	1.23E-04	1.56E-02	1.61E-02	2.65E-01	6.18E-03	4.21E-03	2.92E-01	1.61E-02	3.04E-05	6.78E-05	1.23E-04	1.63E-02
2717	490610.04	3859160.04	1.55E-02	2.50E-05	6.85E-05	1.21E-04	1.57E-02	1.62E-02	2.55E-01	6.25E-03	4.14E-03	2.82E-01	1.62E-02	2.92E-05	6.85E-05	1.21E-04	1.64E-02
2718	490660.04	3859160.04	1.56E-02	2.33E-05	6.95E-05	1.20E-04	1.58E-02	1.63E-02	2.38E-01	6.34E-03	4.10E-03	2.65E-01	1.63E-02	2.73E-05	6.95E-05	1.20E-04	1.65E-02
2719	490710.04	3859160.04	1.57E-02	2.25E-05	7.04E-05	1.18E-04	1.59E-02	1.64E-02	2.30E-01	6.42E-03	4.04E-03	2.57E-01	1.63E-02	2.64E-05	7.04E-05	1.18E-04	1.66E-02
2720	490760.04	3859160.04	1.57E-02	2.13E-05	7.15E-05	1.17E-04	1.59E-02	1.64E-02	2.18E-01	6.52E-03	3.99E-03	2.45E-01	1.63E-02	2.50E-05	7.15E-05	1.17E-04	1.65E-02
2721	490810.04	3859160.04	1.57E-02	2.06E-05	7.25E-05	1.15E-04	1.59E-02	1.64E-02	2.11E-01	6.61E-03	3.93E-03	2.38E-01	1.64E-02	2.41E-05	7.25E-05	1.15E-04	1.66E-02
2722	490860.04	3859160.04	1.58E-02	1.99E-05	7.35E-05	1.13E-04	1.60E-02	1.65E-02	2.03E-01	6.70E-03	3.88E-03	2.30E-01	1.64E-02	2.33E-05	7.35E-05	1.13E-04	1.66E-02
2723	490360.04	3859210.04	1.44E-02	3.19E-05	6.11E-05	1.34E-04	1.46E-02	1.50E-02	3.26E-01	5.57E-03	4.58E-03	3.52E-01	1.50E-02	3.74E-05	6.11E-05	1.34E-04	1.52E-02
2724	490410.04	3859210.04	1.45E-02	3.09E-05	6.16E-05	1.31E-04	1.47E-02	1.51E-02	3.15E-01	5.61E-03	4.48E-03	3.40E-01	1.51E-02	3.61E-05	6.16E-05	1.31E-04	1.53E-02
2725	490460.04	3859210.04	1.46E-02	2.90E-05	6.19E-05	1.29E-04	1.48E-02	1.52E-02	2.96E-01	5.65E-03	4.40E-03	3.21E-01	1.52E-02	3.39E-05	6.19E-05	1.29E-04	1.54E-02
2726	490510.04	3859210.04	1.47E-02	2.76E-05	6.24E-05	1.26E-04	1.49E-02	1.53E-02	2.82E-01	5.70E-03	4.33E-03	3.07E-01	1.53E-02	3.23E-05	6.24E-05	1.26E-04	1.55E-02
2727	490560.04	3859210.04	1.48E-02	2.65E-05	6.30E-05	1.24E-04	1.50E-02	1.55E-02	2.71E-01	5.75E-03	4.25E-03	2.97E-01	1.54E-02	3.11E-05	6.30E-05	1.24E-04	1.56E-02
2728	490610.04	3859210.04	1.49E-02	2.53E-05	6.36E-05	1.22E-04	1.51E-02	1.56E-02	2.58E-01	5.80E-03	4.19E-03	2.84E-01	1.55E-02	2.96E-05	6.36E-05	1.22E-04	1.57E-02
2729	490660.04	3859210.04	1.50E-02	2.37E-05	6.45E-05	1.21E-04	1.52E-02	1.57E-02	2.42E-01	5.88E-03	4.13E-03	2.68E-01	1.56E-02	2.77E-05	6.45E-05	1.21E-04	1.58E-02
2730	490710.04	3859210.04	1.51E-02	2.27E-05	6.53E-05	1.19E-04	1.53E-02	1.57E-02	2.32E-01	5.95E-03	4.07E-03	2.58E-01	1.57E-02	2.66E-05	6.53E-05	1.19E-04	1.59E-02
2731	490760.04	3859210.04	1.51E-02	2.15E-05	6.63E-05	1.18E-04	1.53E-02	1.57E-02	2.19E-01	6.05E-03	4.03E-03	2.45E-01	1.57E-02	2.51E-05	6.63E-05	1.18E-04	1.59E-02
2732	490810.04	3859210.04	1.52E-02	2.11E-05	6.70E-05	1.16E-04	1.54E-02	1.58E-02	2.15E-01	6.11E-03	3.96E-03	2.41E-01	1.58E-02	2.46E-05	6.70E-05	1.16E-04	1.60E-02
2733	490860.04	3859210.04	1.52E-02	2.06E-05	6.77E-05	1.14E-04	1.54E-02	1.59E-02	2.11E-01	6.17E-03	3.90E-03	2.37E-01	1.59E-02	2.41E-05	6.77E-05	1.14E-04	1.61E-02
2734	490360.04	3859260.04	1.39E-02	3.21E-05	5.72E-05	1.35E-04	1.41E-02	1.45E-02	3.28E-01	5.21E-03	4.63E-03	3.53E-01	1.44E-02	3.76E-05	5.72E-05	1.35E-04	1.47E-02
2735	490410.04	3859260.04	1.40E-02	3.09E-05	5.76E-05	1.33E-04	1.42E-02	1.46E-02	3.15E-01	5.25E-03	4.54E-03	3.40E-01	1.45E-02	3.61E-05	5.76E-05	1.33E-04	1.48E-02
2736	490460.04	3859260.04	1.40E-02	2.98E-05	5.80E-05	1.30E-04	1.43E-02	1.47E-02	3.05E-01	5.29E-03	4.44E-03	3.29E-01	1.46E-02	3.49E-05	5.80E-05	1.30E-04	1.48E-02
2737	490510.04	3859260.04	1.41E-02	2.88E-05	5.84E-05	1.27E-04	1.43E-02	1.47E-02	2.94E-01	5.32E-03	4.35E-03	3.19E-01	1.47E-02	3.37E-05	5.84E-05	1.27E-04	1.49E-02
2738	490560.04	3859260.04	1.42E-02	2.75E-05	5.88E-05	1.25E-04	1.44E-02	1.49E-02	2.81E-01	5.37E-03	4.28E-03	3.05E-01	1.48E-02	3.22E-05	5.88E-05	1.25E-04	1.50E-02
2739	490610.04	3859260.04	1.43E-02	2.58E-05	5.94E-05	1.23E-04	1.45E-02	1.50E-02	2.64E-01	5.42E-03	4.22E-03	2.88E-01	1.49E-02	3.02E-05	5.94E-05	1.23E-04	1.51E-02
2740	490660.04	3859260.04	1.44E-02	2.52E-05	5.99E-05	1.21E-04	1.46E-02	1.50E-02	2.58E-01	5.46E-03	4.14E-03	2.82E-01	1.50E-02	2.95E-05	5.99E-05	1.21E-04	1.52E-02
2741	490710.04	3859260.04	1.45E-02	2.43E-05	6.04E-05	1.19E-04	1.47E-02	1.51E-02	2.48E-01	5.51E-03	4.07E-03	2.73E-01	1.51E-02	2.84E-05	6.04E-05	1.19E-04	1.53E-02

2742	490760.04	3859260.04	1.46E-02	2.28E-05	6.12E-05	1.18E-04	1.48E-02	1.52E-02	2.33E-01	5.58E-03	4.03E-03	2.58E-01	1.52E-02	2.67E-05	6.12E-05	1.18E-04	1.54E-02
2743	490810.04	3859260.04	1.47E-02	2.22E-05	6.18E-05	1.16E-04	1.49E-02	1.53E-02	2.27E-01	5.64E-03	3.96E-03	2.52E-01	1.53E-02	2.60E-05	6.18E-05	1.16E-04	1.55E-02
2744	490860.04	3859260.04	1.48E-02	2.17E-05	6.25E-05	1.14E-04	1.49E-02	1.54E-02	2.21E-01	5.70E-03	3.90E-03	2.46E-01	1.54E-02	2.54E-05	6.25E-05	1.14E-04	1.56E-02
2745	490360.04	3859310.04	1.34E-02	3.28E-05	5.37E-05	1.37E-04	1.36E-02	1.40E-02	3.35E-01	4.90E-03	4.68E-03	3.59E-01	1.39E-02	3.84E-05	5.37E-05	1.37E-04	1.42E-02
2746	490410.04	3859310.04	1.35E-02	3.15E-05	5.41E-05	1.34E-04	1.37E-02	1.40E-02	3.22E-01	4.93E-03	4.58E-03	3.46E-01	1.40E-02	3.69E-05	5.41E-05	1.34E-04	1.42E-02
2747	490460.04	3859310.04	1.35E-02	3.04E-05	5.45E-05	1.31E-04	1.37E-02	1.41E-02	3.10E-01	4.97E-03	4.48E-03	3.34E-01	1.41E-02	3.55E-05	5.45E-05	1.31E-04	1.43E-02
2748	490510.04	3859310.04	1.36E-02	2.95E-05	5.48E-05	1.28E-04	1.38E-02	1.42E-02	3.01E-01	5.00E-03	4.39E-03	3.25E-01	1.42E-02	3.45E-05	5.48E-05	1.28E-04	1.44E-02
2749	490560.04	3859310.04	1.37E-02	2.85E-05	5.52E-05	1.26E-04	1.39E-02	1.43E-02	2.91E-01	5.04E-03	4.30E-03	3.15E-01	1.43E-02	3.33E-05	5.52E-05	1.26E-04	1.45E-02
2750	490610.04	3859310.04	1.38E-02	2.77E-05	5.56E-05	1.23E-04	1.40E-02	1.44E-02	2.83E-01	5.07E-03	4.21E-03	3.06E-01	1.43E-02	3.24E-05	5.56E-05	1.23E-04	1.45E-02
2751	490660.04	3859310.04	1.39E-02	2.67E-05	5.60E-05	1.21E-04	1.41E-02	1.45E-02	2.72E-01	5.11E-03	4.14E-03	2.96E-01	1.44E-02	3.12E-05	5.60E-05	1.21E-04	1.46E-02
2752	490710.04	3859310.04	1.40E-02	2.51E-05	5.65E-05	1.19E-04	1.42E-02	1.46E-02	2.56E-01	5.15E-03	4.08E-03	2.80E-01	1.45E-02	2.93E-05	5.65E-05	1.19E-04	1.47E-02
2753	490760.04	3859310.04	1.40E-02	2.41E-05	5.70E-05	1.17E-04	1.42E-02	1.47E-02	2.46E-01	5.20E-03	4.02E-03	2.70E-01	1.46E-02	2.81E-05	5.70E-05	1.17E-04	1.48E-02
2754	490810.04	3859310.04	1.41E-02	2.34E-05	5.75E-05	1.16E-04	1.43E-02	1.47E-02	2.39E-01	5.24E-03	3.95E-03	2.63E-01	1.47E-02	2.74E-05	5.75E-05	1.16E-04	1.49E-02
2755	490860.04	3859310.04	1.42E-02	2.25E-05	5.81E-05	1.14E-04	1.44E-02	1.48E-02	2.30E-01	5.30E-03	3.89E-03	2.54E-01	1.48E-02	2.63E-05	5.81E-05	1.14E-04	1.50E-02
2756	490360.04	3859360.04	1.29E-02	3.35E-05	5.07E-05	1.38E-04	1.31E-02	1.35E-02	3.42E-01	4.62E-03	4.73E-03	3.65E-01	1.35E-02	3.92E-05	5.07E-05	1.38E-04	1.37E-02
2757	490410.04	3859360.04	1.30E-02	3.24E-05	5.10E-05	1.35E-04	1.32E-02	1.35E-02	3.31E-01	4.65E-03	4.61E-03	3.54E-01	1.35E-02	3.79E-05	5.10E-05	1.35E-04	1.37E-02
2758	490460.04	3859360.04	1.30E-02	3.15E-05	5.14E-05	1.32E-04	1.32E-02	1.36E-02	3.21E-01	4.69E-03	4.51E-03	3.44E-01	1.36E-02	3.68E-05	5.14E-05	1.32E-04	1.38E-02
2759	490510.04	3859360.04	1.31E-02	3.05E-05	5.18E-05	1.29E-04	1.33E-02	1.37E-02	3.12E-01	4.72E-03	4.41E-03	3.34E-01	1.36E-02	3.57E-05	5.18E-05	1.29E-04	1.39E-02
2760	490560.04	3859360.04	1.32E-02	2.93E-05	5.21E-05	1.26E-04	1.34E-02	1.38E-02	3.00E-01	4.75E-03	4.31E-03	3.23E-01	1.37E-02	3.43E-05	5.21E-05	1.26E-04	1.39E-02
2761	490610.04	3859360.04	1.33E-02	2.82E-05	5.24E-05	1.24E-04	1.35E-02	1.38E-02	2.89E-01	4.78E-03	4.23E-03	3.11E-01	1.38E-02	3.30E-05	5.24E-05	1.24E-04	1.40E-02
2762	490660.04	3859360.04	1.33E-02	2.73E-05	5.27E-05	1.21E-04	1.35E-02	1.39E-02	2.79E-01	4.81E-03	4.15E-03	3.02E-01	1.39E-02	3.20E-05	5.27E-05	1.21E-04	1.41E-02
2763	490710.04	3859360.04	1.34E-02	2.61E-05	5.31E-05	1.19E-04	1.36E-02	1.40E-02	2.67E-01	4.84E-03	4.08E-03	2.90E-01	1.40E-02	3.06E-05	5.31E-05	1.19E-04	1.42E-02
2764	490760.04	3859360.04	1.35E-02	2.49E-05	5.35E-05	1.17E-04	1.37E-02	1.41E-02	2.55E-01	4.88E-03	4.01E-03	2.78E-01	1.41E-02	2.92E-05	5.35E-05	1.17E-04	1.43E-02
2765	490810.04	3859360.04	1.36E-02	2.44E-05	5.39E-05	1.15E-04	1.38E-02	1.42E-02	2.50E-01	4.91E-03	3.94E-03	2.73E-01	1.42E-02	2.86E-05	5.39E-05	1.15E-04	1.44E-02
2766	490860.04	3859360.04	1.37E-02	2.36E-05	5.43E-05	1.13E-04	1.39E-02	1.43E-02	2.41E-01	4.95E-03	3.87E-03	2.64E-01	1.42E-02	2.76E-05	5.43E-05	1.13E-04	1.44E-02
2767	490360.04	3859410.04	1.25E-02	3.41E-05	4.79E-05	1.39E-04	1.27E-02	1.30E-02	3.48E-01	4.37E-03	4.77E-03	3.70E-01	1.30E-02	3.98E-05	4.79E-05	1.39E-04	1.32E-02
2768	490410.04	3859410.04	1.25E-02	3.31E-05	4.83E-05	1.36E-04	1.28E-02	1.31E-02	3.38E-01	4.41E-03	4.64E-03	3.60E-01	1.31E-02	3.87E-05	4.83E-05	1.36E-04	1.33E-02
2769	490460.04	3859410.04	1.26E-02	3.21E-05	4.87E-05	1.32E-04	1.28E-02	1.31E-02	3.28E-01	4.44E-03	4.53E-03	3.50E-01	1.31E-02	3.76E-05	4.87E-05	1.32E-04	1.33E-02
2770	490510.04	3859410.04	1.26E-02	3.12E-05	4.90E-05	1.29E-04	1.29E-02	1.32E-02	3.18E-01	4.47E-03	4.42E-03	3.41E-01	1.32E-02	3.65E-05	4.90E-05	1.29E-04	1.34E-02
2771	490560.04	3859410.04	1.27E-02	3.02E-05	4.93E-05	1.26E-04	1.29E-02	1.33E-02	3.09E-01	4.50E-03	4.32E-03	3.31E-01	1.32E-02	3.54E-05	4.93E-05	1.26E-04	1.34E-02
2772	490610.04	3859410.04	1.28E-02	2.93E-05	4.96E-05	1.24E-04	1.30E-02	1.33E-02	2.99E-01	4.52E-03	4.23E-03	3.21E-01	1.33E-02	3.43E-05	4.96E-05	1.24E-04	1.35E-02
2773	490660.04	3859410.04	1.29E-02	2.81E-05	4.99E-05	1.21E-04	1.31E-02	1.34E-02	2.87E-01	4.55E-03	4.15E-03	3.09E-01	1.34E-02	3.29E-05	4.99E-05	1.21E-04	1.36E-02
2774	490710.04	3859410.04	1.29E-02	2.71E-05	5.02E-05	1.19E-04	1.31E-02	1.35E-02	2.76E-01	4.57E-03	4.07E-03	2.99E-01	1.35E-02	3.16E-05	5.02E-05	1.19E-04	1.37E-02
2775	490760.04	3859410.04	1.30E-02	2.58E-05	5.05E-05	1.17E-04	1.32E-02	1.36E-02	2.64E-01	4.61E-03	4.00E-03	2.86E-01	1.36E-02	3.02E-05	5.05E-05	1.17E-04	1.38E-02
2776	490810.04	3859410.04	1.31E-02	2.52E-05	5.08E-05	1.15E-04	1.33E-02	1.37E-02	2.57E-01	4.63E-03	3.92E-03	2.80E-01	1.36E-02	2.95E-05	5.08E-05	1.15E-04	1.38E-02
2777	490860.04	3859410.04	1.32E-02	2.48E-05	5.11E-05	1.12E-04	1.33E-02	1.37E-02	2.53E-01	4.66E-03	3.84E-03	2.75E-01	1.37E-02	2.90E-05	5.11E-05	1.12E-04	1.39E-02
2778	490360.04	3859460.04	1.21E-02	3.44E-05	4.54E-05	1.40E-04	1.23E-02	1.26E-02	3.52E-01	4.14E-03	4.79E-03	3.73E-01	1.26E-02	4.03E-05	4.54E-05	1.40E-04	1.28E-02
2779	490410.04	3859460.04	1.21E-02	3.34E-05	4.58E-05	1.36E-04	1.24E-02	1.27E-02	3.42E-01	4.18E-03	4.66E-03	3.63E-01	1.26E-02	3.91E-05	4.58E-05	1.36E-04	1.29E-02
2780	490460.04	3859460.04	1.22E-02	3.25E-05	4.62E-05	1.33E-04	1.24E-02	1.27E-02	3.32E-01	4.21E-03	4.54E-03	3.54E-01	1.27E-02	3.81E-05	4.62E-05	1.33E-04	1.29E-02
2781	490510.04	3859460.04	1.22E-02	3.16E-05	4.65E-05	1.30E-04	1.24E-02	1.28E-02	3.23E-01	4.24E-03	4.43E-03	3.45E-01	1.27E-02	3.70E-05	4.65E-05	1.30E-04	1.30E-02
2782	490560.04	3859460.04	1.23E-02	3.08E-05	4.68E-05	1.26E-04	1.25E-02	1.28E-02	3.14E-01	4.27E-03	4.33E-03	3.36E-01	1.28E-02	3.60E-05	4.68E-05	1.26E-04	1.30E-02
2783	490610.04	3859460.04	1.23E-02	2.98E-05	4.71E-05	1.24E-04	1.25E-02	1.29E-02	3.05E-01	4.29E-03	4.23E-03	3.26E-01	1.29E-02	3.49E-05	4.71E-05	1.24E-04	1.31E-02
2784	490660.04	3859460.04	1.24E-02	2.88E-05	4.73E-05	1.21E-04	1.26E-02	1.29E-02	2.94E-01	4.32E-03	4.13E-03	3.16E-01	1.29E-02	3.37E-05	4.73E-05	1.21E-04	1.31E-02
2785	490710.04	3859460.04	1.25E-02	2.80E-05	4.76E-05	1.18E-04	1.27E-02	1.30E-02	2.86E-01	4.34E-03	4.05E-03	3.07E-01	1.30E-02	3.27E-05	4.76E-05	1.18E-04	1.32E-02
2786	490760.04	3859460.04	1.25E-02	2.70E-05	4.79E-05	1.16E-04	1.27E-02	1.31E-02	2.76E-01	4.36E-03	3.97E-03	2.98E-01	1.31E-02	3.16E-05	4.79E-05	1.16E-04	1.33E-02
2787	490810.04	3859460.04	1.26E-02	2.61E-05	4.81E-05	1.14E-04	1.28E-02	1.32E-02	2.67E-01	4.39E-03	3.89E-03	2.88E-01	1.31E-02	3.06E-05	4.81E-05	1.14E-04	1.33E-02
2788	490860.04	3859460.04	1.27E-02	2.56E-05	4.84E-05	1.11E-04	1.29E-02	1.32E-02	2.61E-01	4.41E-03	3.81E-03	2.83E-01	1.32E-02	2.99E-05	4.84E-05	1.11E-04	1.34E-02
2789	490360.04	3859510.04	1.18E-02	3.47E-05	4.26E-05	1.40E-04	1.20E-02	1.23E-02	3.54E-01	3.88E-03	4.80E-03	3.75E-01	1.22E-02	4.06E-05	4.26E-05	1.40E-04	1.25E-02
2790	490410.04	3859510.04	1.18E-02	3.38E-05	4.33E-05	1.36E-04	1.20E-02	1.23E-02	3.45E-01	3.95E-03	4.67E-03	3.66E-01	1.23E-02	3.95E-05	4.33E-05	1.36E-04	1.25E-02
2791	490460.04	3859510.04	1.18E-02	3.29E-05	4.39E-05	1.33E-04	1.20E-02	1.23E-02	3.36E-01	4.00E-03	4.54E-03	3.57E-01	1.23E-02	3.85E-05	4.39E-05	1.33E-04	1.25E-02
2792	490510.04	3859510.04	1.19E-02	3.20E-05	4.43E-05	1.29E-04	1.21E-02	1.24E-02	3.27E-01	4.04E-03	4.42E-03	3.48E-01	1.23E-02	3.75E-05	4.43E-05	1.29E-04	1.26E-02
2793	490560.04	3859510.04	1.19E-02	3.12E-05	4.45E-05	1.26E-04	1.21E-02	1.24E-02	3.18E-01	4.06E-03	4.31E-03	3.39E-01	1.24E-02	3.65E-05	4.45E-05	1.26E-04	1.26E-02
2794	490610.04	3859510.04	1.19E-02	3.03E-05	4.48E-05	1.23E-04	1.21E-02	1.25E-02	3.09E-01	4.08E-03	4.21E-03	3.30E-01	1.24E-02	3.54E-05	4.48E-05	1.23E-04	1.26E-02
2795	490660.04	3859510.04	1.20E-02	2.94E-05	4.50E-05	1.20E-04	1.22E-02	1.25E-02	3.00E-01	4.11E-03	4.11E-03	3.21E-01	1.25E-02	3.44E-05	4.50E-05	1.20E-04	1.27E-02
2796	490710.04	3859510.04	1.21E-02	2.85E-05	4.53E-05	1.17E-04	1.22E-02	1.26E-02	2.91E-01	4.13E-03	4.02E-03	3.12E-01	1.26E-02	3.33E-05	4.53E-05	1.17E-04	1.27E-02
2797	490760.04	3859510.04	1.21E-02	2.76E-05	4.55E-05	1.15E-04	1.23E-02	1.26E-02	2.82E-01	4.15E-03	3.93E-03	3.03E-01	1.26E-02	3.23E-05	4.55E-05	1.15E-04	1.28E-02
2798	490810.04	3859510.04	1.22E-02	2.69E-05	4.58E-05	1.13E-04	1.24E-02	1.27E-02	2.75E-01	4.18E-03	3.85E-03	2.96E-01	1.27E-02	3.15E-05	4.58E-05	1.13E-04	1.29E-02
2799	490860.04	3859510.04	1.22E-02	2.62E-05	4.60E-05	1.10E-04	1.24E-02	1.28E-02	2.67E-01	4.20E-03	3.77E-03	2.88E-01	1.27E-02	3.06E-05	4.60E-05	1.10E-04	1.29E-02
2800	490360.04	3859560.04	1.14E-02	3.48E-05	4.00E-05	1.40E-04	1.16E-02	1.19E-02	3.56E-01	3.65E-03	4.78E-03	3.76E-01	1.19E-02	4.07E-05	4.00E-05	1.40E-04	1.21E-02
2801	490410.04	3859560.04	1.14E-02	3.40E-05	4.07E-05	1.36E-04	1.17E-02	1.19E-02	3.47E-01	3.71E-03	4.65E-03	3.68E-01	1.19E-02	3.98E-05	4.07E-05	1.36E-04	1.21E-02
2802	490460.04	3859560.04	1.15E-02	3.32E-05	4.14E-05	1.32E-04	1.17E-02	1.20E-02	3.39E-01	3.77E-03	4.52E-03	3.59E-01	1.19E-02	3.88E-05	4.14E-05	1.32E-04	1.22E-02

2803	490510.04	3859560.04	1.15E-02	3.23E-05	4.21E-05	1.28E-04	1.17E-02	1.20E-02	3.30E-01	3.84E-03	4.39E-03	3.50E-01	1.20E-02	3.78E-05	4.21E-05	1.28E-04	1.22E-02
2804	490560.04	3859560.04	1.15E-02	3.15E-05	4.25E-05	1.25E-04	1.17E-02	1.20E-02	3.22E-01	3.88E-03	4.28E-03	3.42E-01	1.20E-02	3.69E-05	4.25E-05	1.25E-04	1.22E-02
2805	490610.04	3859560.04	1.16E-02	3.07E-05	4.27E-05	1.22E-04	1.18E-02	1.21E-02	3.13E-01	3.90E-03	4.17E-03	3.33E-01	1.21E-02	3.59E-05	4.27E-05	1.22E-04	1.23E-02
2806	490660.04	3859560.04	1.16E-02	2.98E-05	4.30E-05	1.19E-04	1.18E-02	1.21E-02	3.05E-01	3.92E-03	4.07E-03	3.25E-01	1.21E-02	3.49E-05	4.30E-05	1.19E-04	1.23E-02
2807	490710.04	3859560.04	1.17E-02	2.90E-05	4.32E-05	1.16E-04	1.19E-02	1.22E-02	2.96E-01	3.94E-03	3.97E-03	3.16E-01	1.21E-02	3.39E-05	4.32E-05	1.16E-04	1.23E-02
2808	490760.04	3859560.04	1.17E-02	2.80E-05	4.34E-05	1.14E-04	1.19E-02	1.22E-02	2.86E-01	3.96E-03	3.88E-03	3.07E-01	1.22E-02	3.28E-05	4.34E-05	1.14E-04	1.24E-02
2809	490810.04	3859560.04	1.18E-02	2.72E-05	4.36E-05	1.11E-04	1.20E-02	1.23E-02	2.78E-01	3.98E-03	3.80E-03	2.98E-01	1.23E-02	3.19E-05	4.36E-05	1.11E-04	1.24E-02
2810	490860.04	3859560.04	1.18E-02	2.64E-05	4.39E-05	1.09E-04	1.20E-02	1.23E-02	2.70E-01	4.00E-03	3.72E-03	2.90E-01	1.23E-02	3.09E-05	4.39E-05	1.09E-04	1.25E-02
2811	490187.25	3859422.08	1.23E-02	3.77E-05	4.50E-05	1.54E-04	1.25E-02	1.28E-02	3.85E-01	4.10E-03	5.26E-03	4.07E-01	1.28E-02	4.41E-05	4.50E-05	1.54E-04	1.30E-02
2812	490237.25	3859422.08	1.23E-02	3.66E-05	4.58E-05	1.49E-04	1.25E-02	1.28E-02	3.74E-01	4.18E-03	5.11E-03	3.97E-01	1.28E-02	4.29E-05	4.58E-05	1.49E-04	1.30E-02
2813	490287.25	3859422.08	1.23E-02	3.56E-05	4.66E-05	1.45E-04	1.26E-02	1.29E-02	3.64E-01	4.25E-03	4.97E-03	3.86E-01	1.28E-02	4.17E-05	4.66E-05	1.45E-04	1.31E-02
2814	490337.25	3859422.08	1.24E-02	3.46E-05	4.71E-05	1.41E-04	1.26E-02	1.29E-02	3.53E-01	4.30E-03	4.83E-03	3.75E-01	1.29E-02	4.04E-05	4.71E-05	1.41E-04	1.31E-02
2815	490187.25	3859472.08	1.20E-02	3.78E-05	4.21E-05	1.55E-04	1.22E-02	1.25E-02	3.86E-01	3.84E-03	5.31E-03	4.08E-01	1.25E-02	4.42E-05	4.21E-05	1.55E-04	1.27E-02
2816	490237.25	3859472.08	1.20E-02	3.68E-05	4.29E-05	1.51E-04	1.22E-02	1.25E-02	3.76E-01	3.91E-03	5.15E-03	3.98E-01	1.25E-02	4.31E-05	4.29E-05	1.51E-04	1.27E-02
2817	490287.25	3859472.08	1.20E-02	3.58E-05	4.37E-05	1.46E-04	1.22E-02	1.25E-02	3.66E-01	3.99E-03	5.00E-03	3.87E-01	1.25E-02	4.19E-05	4.37E-05	1.46E-04	1.27E-02
2818	490337.25	3859472.08	1.20E-02	3.49E-05	4.44E-05	1.42E-04	1.22E-02	1.25E-02	3.57E-01	4.05E-03	4.86E-03	3.78E-01	1.25E-02	4.08E-05	4.44E-05	1.42E-04	1.27E-02
2819	490297.07	3859500.42	1.18E-02	3.57E-05	4.22E-05	1.46E-04	1.20E-02	1.23E-02	3.65E-01	3.85E-03	4.98E-03	3.86E-01	1.23E-02	4.18E-05	4.22E-05	1.46E-04	1.25E-02
2820	490327.07	3859500.42	1.18E-02	3.52E-05	4.26E-05	1.43E-04	1.20E-02	1.23E-02	3.60E-01	3.88E-03	4.89E-03	3.81E-01	1.23E-02	4.12E-05	4.26E-05	1.43E-04	1.25E-02
2821	490297.07	3859530.42	1.16E-02	3.59E-05	4.06E-05	1.46E-04	1.18E-02	1.21E-02	3.66E-01	3.70E-03	4.98E-03	3.87E-01	1.21E-02	4.20E-05	4.06E-05	1.46E-04	1.23E-02
2822	490327.07	3859530.42	1.16E-02	3.53E-05	4.10E-05	1.43E-04	1.18E-02	1.21E-02	3.61E-01	3.74E-03	4.89E-03	3.82E-01	1.21E-02	4.13E-05	4.10E-05	1.43E-04	1.23E-02
2823	490319.73	3859055.34	1.61E-02	3.18E-05	7.68E-05	1.29E-04	1.63E-02	1.68E-02	3.25E-01	7.00E-03	4.41E-03	3.54E-01	1.68E-02	3.73E-05	7.68E-05	1.29E-04	1.70E-02
2824	490319.73	3859105.34	1.55E-02	3.22E-05	7.09E-05	1.32E-04	1.57E-02	1.61E-02	3.29E-01	6.46E-03	4.50E-03	3.56E-01	1.61E-02	3.76E-05	7.09E-05	1.32E-04	1.64E-02
2825	490069.73	3859155.34	1.44E-02	3.83E-05	6.31E-05	1.50E-04	1.47E-02	1.51E-02	3.91E-01	5.76E-03	5.13E-03	4.17E-01	1.50E-02	4.48E-05	6.31E-05	1.50E-04	1.53E-02
2826	490119.73	3859155.34	1.45E-02	3.72E-05	6.38E-05	1.47E-04	1.47E-02	1.51E-02	3.80E-01	5.82E-03	5.01E-03	4.06E-01	1.51E-02	4.35E-05	6.38E-05	1.47E-04	1.54E-02
2827	490269.73	3859155.34	1.47E-02	3.41E-05	6.54E-05	1.37E-04	1.50E-02	1.54E-02	3.48E-01	5.97E-03	4.68E-03	3.74E-01	1.54E-02	3.99E-05	6.54E-05	1.37E-04	1.56E-02
2828	490319.73	3859155.34	1.49E-02	3.27E-05	6.58E-05	1.34E-04	1.51E-02	1.55E-02	3.34E-01	6.00E-03	4.58E-03	3.60E-01	1.55E-02	3.82E-05	6.58E-05	1.34E-04	1.57E-02
2829	490069.73	3859205.34	1.39E-02	3.91E-05	5.88E-05	1.53E-04	1.42E-02	1.45E-02	3.99E-01	5.36E-03	5.24E-03	4.24E-01	1.45E-02	4.57E-05	5.88E-05	1.53E-04	1.48E-02
2830	490119.73	3859205.34	1.40E-02	3.81E-05	5.96E-05	1.50E-04	1.42E-02	1.46E-02	3.90E-01	5.43E-03	5.12E-03	4.15E-01	1.45E-02	4.46E-05	5.96E-05	1.50E-04	1.48E-02
2831	490169.73	3859205.34	1.40E-02	3.70E-05	6.02E-05	1.46E-04	1.43E-02	1.46E-02	3.78E-01	5.49E-03	4.99E-03	4.03E-01	1.46E-02	4.33E-05	6.02E-05	1.46E-04	1.49E-02
2832	490219.73	3859205.34	1.41E-02	3.57E-05	6.05E-05	1.42E-04	1.44E-02	1.47E-02	3.64E-01	5.52E-03	4.87E-03	3.90E-01	1.47E-02	4.17E-05	6.05E-05	1.42E-04	1.50E-02
2833	490269.73	3859205.34	1.42E-02	3.41E-05	6.08E-05	1.39E-04	1.45E-02	1.49E-02	3.49E-01	5.55E-03	4.75E-03	3.74E-01	1.48E-02	3.99E-05	6.08E-05	1.39E-04	1.51E-02
2834	490319.73	3859205.34	1.43E-02	3.30E-05	6.12E-05	1.36E-04	1.46E-02	1.49E-02	3.37E-01	5.58E-03	4.65E-03	3.62E-01	1.49E-02	3.86E-05	6.12E-05	1.36E-04	1.52E-02
2835	490069.73	3859255.34	1.35E-02	3.94E-05	5.47E-05	1.56E-04	1.37E-02	1.41E-02	4.03E-01	4.99E-03	5.34E-03	4.27E-01	1.40E-02	4.61E-05	5.47E-05	1.56E-04	1.43E-02
2836	490119.73	3859255.34	1.35E-02	3.84E-05	5.55E-05	1.52E-04	1.38E-02	1.41E-02	3.93E-01	5.06E-03	5.20E-03	4.17E-01	1.41E-02	4.50E-05	5.55E-05	1.52E-04	1.43E-02
2837	490169.73	3859255.34	1.36E-02	3.73E-05	5.62E-05	1.48E-04	1.38E-02	1.42E-02	3.82E-01	5.12E-03	5.07E-03	4.06E-01	1.41E-02	4.37E-05	5.62E-05	1.48E-04	1.44E-02
2838	490219.73	3859255.34	1.36E-02	3.60E-05	5.66E-05	1.45E-04	1.39E-02	1.42E-02	3.68E-01	5.16E-03	4.94E-03	3.93E-01	1.42E-02	4.22E-05	5.66E-05	1.45E-04	1.45E-02
2839	490269.73	3859255.34	1.37E-02	3.47E-05	5.69E-05	1.41E-04	1.40E-02	1.43E-02	3.54E-01	5.19E-03	4.82E-03	3.79E-01	1.43E-02	4.06E-05	5.69E-05	1.41E-04	1.45E-02
2840	490319.73	3859255.34	1.38E-02	3.35E-05	5.73E-05	1.38E-04	1.40E-02	1.44E-02	3.42E-01	5.23E-03	4.71E-03	3.66E-01	1.44E-02	3.92E-05	5.73E-05	1.38E-04	1.46E-02
2841	490069.73	3859305.34	1.31E-02	3.97E-05	5.09E-05	1.59E-04	1.33E-02	1.37E-02	4.05E-01	4.65E-03	5.43E-03	4.29E-01	1.36E-02	4.64E-05	5.09E-05	1.59E-04	1.39E-02
2842	490119.73	3859305.34	1.31E-02	3.87E-05	5.17E-05	1.55E-04	1.33E-02	1.37E-02	3.96E-01	4.71E-03	5.29E-03	4.19E-01	1.36E-02	4.53E-05	5.17E-05	1.55E-04	1.39E-02
2843	490169.73	3859305.34	1.31E-02	3.76E-05	5.25E-05	1.51E-04	1.34E-02	1.37E-02	3.85E-01	4.78E-03	5.15E-03	4.08E-01	1.37E-02	4.40E-05	5.25E-05	1.51E-04	1.39E-02
2844	490219.73	3859305.34	1.32E-02	3.64E-05	5.30E-05	1.47E-04	1.34E-02	1.38E-02	3.72E-01	4.84E-03	5.02E-03	3.96E-01	1.37E-02	4.26E-05	5.30E-05	1.47E-04	1.40E-02
2845	490269.73	3859305.34	1.33E-02	3.52E-05	5.35E-05	1.43E-04	1.35E-02	1.38E-02	3.60E-01	4.87E-03	4.89E-03	3.83E-01	1.38E-02	4.12E-05	5.35E-05	1.43E-04	1.41E-02
2846	490319.73	3859305.34	1.34E-02	3.39E-05	5.38E-05	1.39E-04	1.36E-02	1.39E-02	3.46E-01	4.91E-03	4.77E-03	3.70E-01	1.39E-02	3.96E-05	5.38E-05	1.39E-04	1.41E-02
2847	490069.73	3859355.34	1.27E-02	4.00E-05	4.74E-05	1.62E-04	1.30E-02	1.33E-02	4.08E-01	4.32E-03	5.53E-03	4.32E-01	1.33E-02	4.68E-05	4.74E-05	1.62E-04	1.35E-02
2848	490119.73	3859355.34	1.27E-02	3.90E-05	4.81E-05	1.57E-04	1.30E-02	1.33E-02	3.98E-01	4.38E-03	5.38E-03	4.21E-01	1.32E-02	4.56E-05	4.81E-05	1.57E-04	1.35E-02
2849	490169.73	3859355.34	1.27E-02	3.79E-05	4.89E-05	1.53E-04	1.30E-02	1.33E-02	3.87E-01	4.46E-03	5.23E-03	4.10E-01	1.33E-02	4.44E-05	4.89E-05	1.53E-04	1.35E-02
2850	490219.73	3859355.34	1.28E-02	3.67E-05	4.98E-05	1.49E-04	1.30E-02	1.33E-02	3.75E-01	4.54E-03	5.08E-03	3.98E-01	1.33E-02	4.30E-05	4.98E-05	1.49E-04	1.35E-02
2851	490269.73	3859355.34	1.28E-02	3.56E-05	5.03E-05	1.45E-04	1.31E-02	1.34E-02	3.64E-01	4.59E-03	4.95E-03	3.87E-01	1.34E-02	4.17E-05	5.03E-05	1.45E-04	1.36E-02
2852	490319.73	3859355.34	1.29E-02	3.44E-05	5.07E-05	1.41E-04	1.31E-02	1.35E-02	3.52E-01	4.62E-03	4.82E-03	3.75E-01	1.34E-02	4.03E-05	5.07E-05	1.41E-04	1.37E-02
2853	490069.73	3859405.34	1.24E-02	4.01E-05	4.42E-05	1.64E-04	1.26E-02	1.29E-02	4.10E-01	4.03E-03	5.62E-03	4.33E-01	1.29E-02	4.70E-05	4.42E-05	1.64E-04	1.32E-02
2854	490119.73	3859405.34	1.24E-02	3.91E-05	4.49E-05	1.60E-04	1.26E-02	1.29E-02	4.00E-01	4.09E-03	5.46E-03	4.22E-01	1.29E-02	4.58E-05	4.49E-05	1.60E-04	1.31E-02
2855	490169.73	3859405.34	1.24E-02	3.80E-05	4.57E-05	1.55E-04	1.26E-02	1.29E-02	3.89E-01	4.17E-03	5.30E-03	4.11E-01	1.29E-02	4.45E-05	4.57E-05	1.55E-04	1.31E-02
2856	490219.73	3859405.34	1.24E-02	3.70E-05	4.65E-05	1.50E-04	1.26E-02	1.29E-02	3.78E-01	4.24E-03	5.14E-03	4.00E-01	1.29E-02	4.33E-05	4.65E-05	1.50E-04	1.32E-02
2857	490269.73	3859405.34	1.24E-02	3.59E-05	4.73E-05	1.46E-04	1.27E-02	1.30E-02	3.66E-01	4.32E-03	5.00E-03	3.89E-01	1.30E-02	4.20E-05	4.73E-05	1.46E-04	1.32E-02
2858	490319.73	3859405.34	1.25E-02	3.48E-05	4.78E-05	1.42E-04	1.27E-02	1.30E-02	3.55E-01	4.36E-03	4.86E-03	3.78E-01	1.30E-02	4.07E-05	4.78E-05	1.42E-04	1.32E-02
2859	490161.89	3859541.83	1.16E-02	3.83E-05	3.86E-05	1.58E-04	1.18E-02	1.21E-02	3.91E-01	3.52E-03	5.42E-03	4.12E-01	1.21E-02	4.48E-05	3.86E-05	1.58E-04	1.23E-02
2860	490171.89	3859541.83	1.16E-02	3.81E-05	3.87E-05	1.57E-04	1.18E-02	1.21E-02	3.89E-01	3.53E-03	5.38E-03	4.10E-01	1.20E-02	4.46E-05	3.87E-05	1.57E-04	1.23E-02
2861	490161.89	3859551.83	1.15E-02	3.83E-05	3.82E-05	1.58E-04	1.18E-02	1.20E-02	3.91E-01	3.48E-03	5.41E-03	4.12E-01	1.20E-02	4.48E-05	3.82E-05	1.58E-04	1.22E-02
2862	490171.89	3859551.83	1.15E-02	3.81E-05	3.83E-05	1.57E-04	1.18E-02	1.20E-02	3.89E-01	3.49E-03	5.38E-03	4.10E-01	1.20E-02	4.46E-05	3.83E-05	1.57E-04	1.22E-02
2863	489799.72	3859348.21	1.29E-02	4.67E-05	4.40E-05	1.90E-04	1.32E-02	1.35E-02	4.77E-01	4.01E-03	6.50E-03	5.01E-01	1.34E-02	5.46E-05	4.40E-05	1.90E-04	1.37E-02

2864	489819.72	3859348.21	1.29E-02	4.61E-05	4.42E-05	1.88E-04	1.31E-02	1.34E-02	4.71E-01	4.04E-03	6.42E-03	4.95E-01	1.34E-02	5.39E-05	4.42E-05	1.88E-04	1.37E-02
2865	489799.72	3859368.21	1.28E-02	4.67E-05	4.29E-05	1.92E-04	1.31E-02	1.33E-02	4.77E-01	3.91E-03	6.56E-03	5.01E-01	1.33E-02	5.46E-05	4.29E-05	1.92E-04	1.36E-02
2866	489819.72	3859368.21	1.28E-02	4.61E-05	4.32E-05	1.89E-04	1.31E-02	1.33E-02	4.71E-01	3.94E-03	6.47E-03	4.94E-01	1.33E-02	5.39E-05	4.32E-05	1.89E-04	1.36E-02
2867	489775.41	3859329.72	1.30E-02	4.75E-05	4.46E-05	1.92E-04	1.33E-02	1.36E-02	4.85E-01	4.07E-03	6.55E-03	5.09E-01	1.35E-02	5.55E-05	4.46E-05	1.92E-04	1.38E-02
2868	489795.41	3859329.72	1.30E-02	4.69E-05	4.49E-05	1.89E-04	1.33E-02	1.35E-02	4.79E-01	4.09E-03	6.47E-03	5.03E-01	1.35E-02	5.48E-05	4.49E-05	1.89E-04	1.38E-02
2869	489775.41	3859349.72	1.29E-02	4.74E-05	4.35E-05	1.93E-04	1.32E-02	1.35E-02	4.84E-01	3.97E-03	6.61E-03	5.09E-01	1.34E-02	5.55E-05	4.35E-05	1.93E-04	1.37E-02
2870	489795.41	3859349.72	1.29E-02	4.68E-05	4.38E-05	1.91E-04	1.32E-02	1.34E-02	4.78E-01	4.00E-03	6.52E-03	5.02E-01	1.34E-02	5.47E-05	4.38E-05	1.91E-04	1.37E-02
2871	489595.05	3859219.43	1.37E-02	5.33E-05	4.83E-05	2.02E-04	1.40E-02	1.43E-02	5.44E-01	4.41E-03	6.92E-03	5.70E-01	1.43E-02	6.23E-05	4.83E-05	2.02E-04	1.46E-02
2872	489615.05	3859219.43	1.37E-02	5.24E-05	4.88E-05	2.00E-04	1.40E-02	1.43E-02	5.36E-01	4.45E-03	6.83E-03	5.61E-01	1.43E-02	6.13E-05	4.88E-05	2.00E-04	1.46E-02
2873	489595.05	3859239.43	1.36E-02	5.35E-05	4.69E-05	2.05E-04	1.39E-02	1.42E-02	5.47E-01	4.28E-03	7.02E-03	5.72E-01	1.42E-02	6.26E-05	4.69E-05	2.05E-04	1.45E-02
2874	489615.05	3859239.43	1.36E-02	5.26E-05	4.74E-05	2.03E-04	1.39E-02	1.42E-02	5.38E-01	4.32E-03	6.93E-03	5.63E-01	1.41E-02	6.16E-05	4.74E-05	2.03E-04	1.45E-02
2875	489372.4	3859092.58	1.44E-02	6.09E-05	5.28E-05	1.99E-04	1.47E-02	1.50E-02	6.22E-01	4.81E-03	6.81E-03	6.49E-01	1.50E-02	7.12E-05	5.28E-05	1.99E-04	1.53E-02
2876	489422.4	3859092.58	1.43E-02	5.83E-05	5.44E-05	1.95E-04	1.46E-02	1.49E-02	5.95E-01	4.96E-03	6.66E-03	6.22E-01	1.49E-02	6.82E-05	5.44E-05	1.95E-04	1.52E-02
2877	489372.4	3859142.58	1.43E-02	6.26E-05	4.84E-05	2.12E-04	1.47E-02	1.50E-02	6.39E-01	4.42E-03	7.26E-03	6.66E-01	1.49E-02	7.32E-05	4.84E-05	2.12E-04	1.53E-02
2878	489422.4	3859142.58	1.42E-02	5.99E-05	4.99E-05	2.07E-04	1.45E-02	1.48E-02	6.12E-01	4.55E-03	7.08E-03	6.38E-01	1.48E-02	7.00E-05	4.99E-05	2.07E-04	1.51E-02
2879	488870.84	3858666.64	1.92E-02	4.49E-05	1.02E-04	1.45E-04	1.95E-02	2.00E-02	4.59E-01	9.29E-03	4.97E-03	4.93E-01	2.00E-02	5.25E-05	1.02E-04	1.45E-04	2.03E-02
2880	488900.84	3858666.64	1.85E-02	4.44E-05	1.06E-04	1.44E-04	1.88E-02	1.93E-02	4.53E-01	9.63E-03	4.91E-03	4.87E-01	1.92E-02	5.19E-05	1.06E-04	1.44E-04	1.95E-02
2881	488870.84	3858696.64	1.90E-02	4.76E-05	9.15E-05	1.49E-04	1.93E-02	1.99E-02	4.86E-01	8.34E-03	5.08E-03	5.20E-01	1.98E-02	5.57E-05	9.15E-05	1.49E-04	2.01E-02
2882	488900.84	3858696.64	1.88E-02	4.70E-05	9.48E-05	1.47E-04	1.91E-02	1.96E-02	4.80E-01	8.65E-03	5.03E-03	5.13E-01	1.96E-02	5.50E-05	9.48E-05	1.47E-04	1.99E-02
2883	488889.67	3858683.97	1.90E-02	4.60E-05	9.79E-05	1.46E-04	1.92E-02	1.98E-02	4.70E-01	8.93E-03	5.00E-03	5.04E-01	1.97E-02	5.38E-05	9.79E-05	1.46E-04	2.00E-02
2884	488919.67	3858683.97	1.83E-02	4.55E-05	1.01E-04	1.45E-04	1.86E-02	1.91E-02	4.65E-01	9.24E-03	4.95E-03	4.98E-01	1.90E-02	5.32E-05	1.01E-04	1.45E-04	1.93E-02
2885	488889.67	3858713.97	1.88E-02	4.89E-05	8.82E-05	1.50E-04	1.91E-02	1.97E-02	5.00E-01	8.04E-03	5.12E-03	5.32E-01	1.96E-02	5.72E-05	8.82E-05	1.50E-04	1.99E-02
2886	488919.67	3858713.97	1.86E-02	4.82E-05	9.13E-05	1.48E-04	1.89E-02	1.94E-02	4.93E-01	8.33E-03	5.07E-03	5.26E-01	1.94E-02	5.64E-05	9.13E-05	1.48E-04	1.97E-02
2887	488906.61	3858703.33	1.88E-02	4.75E-05	9.33E-05	1.48E-04	1.91E-02	1.96E-02	4.85E-01	8.51E-03	5.05E-03	5.19E-01	1.95E-02	5.56E-05	9.33E-05	1.48E-04	1.98E-02
2888	488936.61	3858703.33	1.82E-02	4.68E-05	9.65E-05	1.46E-04	1.85E-02	1.90E-02	4.79E-01	8.81E-03	5.00E-03	5.11E-01	1.89E-02	5.48E-05	9.65E-05	1.46E-04	1.92E-02
2889	488906.61	3858733.33	1.86E-02	5.04E-05	8.45E-05	1.51E-04	1.89E-02	1.95E-02	5.15E-01	7.71E-03	5.18E-03	5.47E-01	1.94E-02	5.90E-05	8.45E-05	1.51E-04	1.97E-02
2890	488936.61	3858733.33	1.84E-02	4.97E-05	8.74E-05	1.50E-04	1.87E-02	1.92E-02	5.08E-01	7.97E-03	5.13E-03	5.40E-01	1.92E-02	5.81E-05	8.74E-05	1.50E-04	1.95E-02
2891	488637.63	3858467.85	2.21E-02	3.73E-05	1.79E-04	1.47E-04	2.25E-02	2.31E-02	3.81E-01	1.63E-02	5.03E-03	4.26E-01	2.30E-02	4.37E-05	1.79E-04	1.47E-04	2.34E-02
2892	488662.63	3858467.85	2.19E-02	3.70E-05	1.87E-04	1.45E-04	2.23E-02	2.28E-02	3.78E-01	1.70E-02	4.95E-03	4.23E-01	2.28E-02	4.33E-05	1.87E-04	1.45E-04	2.32E-02
2893	488637.63	3858492.85	2.18E-02	3.83E-05	1.55E-04	1.49E-04	2.22E-02	2.28E-02	3.91E-01	1.42E-02	5.11E-03	4.33E-01	2.27E-02	4.48E-05	1.55E-04	1.49E-04	2.31E-02
2894	488662.63	3858492.85	2.17E-02	3.79E-05	1.63E-04	1.47E-04	2.21E-02	2.27E-02	3.87E-01	1.48E-02	5.03E-03	4.30E-01	2.26E-02	4.43E-05	1.63E-04	1.47E-04	2.30E-02
2895	488687.63	3858492.85	2.15E-02	3.75E-05	1.70E-04	1.45E-04	2.19E-02	2.25E-02	3.83E-01	1.55E-02	4.96E-03	4.26E-01	2.24E-02	4.39E-05	1.70E-04	1.45E-04	2.28E-02
2896	488637.63	3858517.85	2.15E-02	3.93E-05	1.36E-04	1.52E-04	2.18E-02	2.24E-02	4.02E-01	1.24E-02	5.18E-03	4.42E-01	2.23E-02	4.60E-05	1.36E-04	1.52E-04	2.27E-02
2897	488662.63	3858517.85	2.14E-02	3.89E-05	1.43E-04	1.49E-04	2.18E-02	2.24E-02	3.98E-01	1.30E-02	5.10E-03	4.38E-01	2.23E-02	4.56E-05	1.43E-04	1.49E-04	2.27E-02
2898	488687.63	3858517.85	2.14E-02	3.86E-05	1.49E-04	1.47E-04	2.17E-02	2.23E-02	3.94E-01	1.36E-02	5.03E-03	4.35E-01	2.22E-02	4.51E-05	1.49E-04	1.47E-04	2.26E-02
2899	488194.42	3857168.98	1.51E-01	1.69E-05	7.00E-05	5.28E-05	1.52E-01	1.58E-01	1.73E-01	6.38E-03	1.81E-03	3.39E-01	1.58E-01	1.98E-05	7.00E-05	5.28E-05	1.58E-01
2900	488244.42	3857168.98	1.46E-01	1.69E-05	7.11E-05	5.27E-05	1.46E-01	1.52E-01	1.73E-01	6.48E-03	1.80E-03	3.34E-01	1.52E-01	1.98E-05	7.11E-05	5.27E-05	1.52E-01
2901	488294.42	3857168.98	1.41E-01	1.69E-05	7.23E-05	5.27E-05	1.42E-01	1.47E-01	1.72E-01	6.59E-03	1.80E-03	3.28E-01	1.47E-01	1.97E-05	7.23E-05	5.27E-05	1.47E-01
2902	488244.42	3857218.98	1.37E-01	1.72E-05	7.74E-05	5.30E-05	1.37E-01	1.43E-01	1.75E-01	7.06E-03	1.81E-03	3.27E-01	1.43E-01	2.01E-05	7.74E-05	5.30E-05	1.43E-01
2903	488294.42	3857218.98	1.33E-01	1.71E-05	7.87E-05	5.30E-05	1.33E-01	1.39E-01	1.75E-01	7.18E-03	1.81E-03	3.22E-01	1.38E-01	2.00E-05	7.87E-05	5.30E-05	1.38E-01
2904	488294.42	3857268.98	1.24E-01	1.74E-05	8.63E-05	5.37E-05	1.24E-01	1.29E-01	1.78E-01	7.87E-03	1.84E-03	3.17E-01	1.29E-01	2.04E-05	8.63E-05	5.37E-05	1.29E-01
2905	488139.13	3857111.68	1.69E-01	1.68E-05	6.32E-05	5.32E-05	1.70E-01	1.77E-01	1.71E-01	5.76E-03	1.82E-03	3.56E-01	1.76E-01	1.96E-05	6.32E-05	5.32E-05	1.77E-01
2906	488189.13	3857111.68	1.63E-01	1.68E-05	6.38E-05	5.29E-05	1.63E-01	1.70E-01	1.72E-01	5.82E-03	1.81E-03	3.49E-01	1.69E-01	1.96E-05	6.38E-05	5.29E-05	1.70E-01
2907	488189.13	3857161.68	1.53E-01	1.69E-05	6.90E-05	5.28E-05	1.54E-01	1.60E-01	1.73E-01	6.30E-03	1.81E-03	3.41E-01	1.60E-01	1.98E-05	6.90E-05	5.28E-05	1.60E-01
2908	487951.04	3856961.26	2.31E-01	1.65E-05	5.73E-05	5.62E-05	2.31E-01	2.41E-01	1.69E-01	5.23E-03	1.92E-03	4.17E-01	2.40E-01	1.93E-05	5.73E-05	5.62E-05	2.40E-01
2909	488001.04	3856961.26	2.20E-01	1.64E-05	5.49E-05	5.58E-05	2.20E-01	2.30E-01	1.68E-01	5.01E-03	1.91E-03	4.04E-01	2.29E-01	1.92E-05	5.49E-05	5.58E-05	2.29E-01
2910	488051.04	3856961.26	2.11E-01	1.62E-05	5.26E-05	5.55E-05	2.11E-01	2.20E-01	1.65E-01	4.80E-03	1.90E-03	3.92E-01	2.20E-01	1.89E-05	5.26E-05	5.55E-05	2.20E-01
2911	488101.04	3856961.26	2.01E-01	1.62E-05	5.13E-05	5.51E-05	2.01E-01	2.10E-01	1.66E-01	4.68E-03	1.88E-03	3.82E-01	2.10E-01	1.90E-05	5.13E-05	5.51E-05	2.10E-01
2912	487951.04	3857011.26	2.21E-01	1.69E-05	6.11E-05	5.54E-05	2.21E-01	2.31E-01	1.72E-01	5.57E-03	1.89E-03	4.11E-01	2.30E-01	1.97E-05	6.11E-05	5.54E-05	2.31E-01
2913	488001.04	3857011.26	2.12E-01	1.66E-05	5.87E-05	5.51E-05	2.12E-01	2.21E-01	1.70E-01	5.36E-03	1.88E-03	3.98E-01	2.21E-01	1.94E-05	5.87E-05	5.51E-05	2.21E-01
2914	488051.04	3857011.26	2.03E-01	1.64E-05	5.63E-05	5.48E-05	2.03E-01	2.12E-01	1.68E-01	5.13E-03	1.87E-03	3.86E-01	2.11E-01	1.92E-05	5.63E-05	5.48E-05	2.11E-01
2915	488101.04	3857011.26	1.94E-01	1.65E-05	5.49E-05	5.44E-05	1.94E-01	2.02E-01	1.68E-01	5.00E-03	1.86E-03	3.77E-01	2.02E-01	1.92E-05	5.49E-05	5.44E-05	2.02E-01
2916	488001.04	3857061.26	2.01E-01	1.69E-05	6.30E-05	5.45E-05	2.01E-01	2.10E-01	1.72E-01	5.75E-03	1.86E-03	3.90E-01	2.09E-01	1.98E-05	6.30E-05	5.45E-05	2.10E-01
2917	488051.04	3857061.26	1.93E-01	1.68E-05	6.05E-05	5.42E-05	1.93E-01	2.01E-01	1.71E-01	5.52E-03	1.85E-03	3.80E-01	2.01E-01	1.96E-05	6.05E-05	5.42E-05	2.01E-01
2918	488101.04	3857061.26	1.85E-01	1.67E-05	5.89E-05	5.39E-05	1.85E-01	1.93E-01	1.71E-01	5.38E-03	1.84E-03	3.70E-01	1.92E-01	1.95E-05	5.89E-05	5.39E-05	1.92E-01
2919	487638.98	3856673.79	3.05E-01	1.52E-05	4.35E-05	6.86E-05	3.05E-01	3.18E-01	1.56E-01	3.97E-03	2.35E-03	4.80E-01	3.17E-01	1.78E-05	4.35E-05	6.86E-05	3.18E-01
2920	487688.98	3856673.79	2.93E-01	1.51E-05	4.53E-05	6.76E-05	2.93E-01	3.05E-01	1.55E-01	4.13E-03	2.31E-03	4.67E-01	3.05E-01	1.77E-05	4.53E-05	6.76E-05	3.05E-01
2921	487638.98	3856723.79	3.14E-01	1.57E-05	4.44E-05	6.66E-05	3.14E-01	3.28E-01	1.60E-01	4.05E-03	2.28E-03	4.94E-01	3.27E-01	1.83E-05	4.44E-05	6.66E-05	3.27E-01
2922	487688.98	3856723.79	3.01E-01	1.56E-05	4.64E-05	6.57E-05	3.01E-01	3.14E-01	1.59E-01	4.23E-03	2.25E-03	4.79E-01	3.13E-01	1.82E-05	4.64E-05	6.57E-05	3.13E-01
2923	486324.61	3855740.57	3.03E-01	9.11E-06	1.68E-05	1.29E-04	3.03E-01	3.16E-01	9.31E-02	1.53E-03	4.43E-03	4.15E-01	3.15E-01	1.07E-05	1.68E-05	1.29E-04	3.15E-01
2924	486374.61	3855740.57	2.80E-01	8.80E-06	1.70E-05	1.28E-04	2.80E-01	2.92E-01	8.99E-02	1.55E-03	4.37E-03	3.88E-01	2.92E-01	1.03E-05	1.70E-05	1.28E-04	2.92E-01

2925	486424.61	3855740.57	2.67E-01	8.66E-06	1.71E-05	1.26E-04	2.67E-01	2.78E-01	8.85E-02	1.56E-03	4.30E-03	3.73E-01	2.78E-01	1.01E-05	1.71E-05	1.26E-04	2.78E-01
2926	486324.61	3855790.57	3.24E-01	9.54E-06	1.71E-05	1.35E-04	3.24E-01	3.38E-01	9.75E-02	1.56E-03	4.62E-03	4.41E-01	3.37E-01	1.12E-05	1.71E-05	1.35E-04	3.37E-01
2927	486374.61	3855790.57	3.00E-01	9.24E-06	1.73E-05	1.33E-04	3.00E-01	3.13E-01	9.44E-02	1.58E-03	4.55E-03	4.14E-01	3.13E-01	1.08E-05	1.73E-05	1.33E-04	3.13E-01
2928	486424.61	3855790.57	2.89E-01	9.16E-06	1.73E-05	1.31E-04	2.89E-01	3.01E-01	9.36E-02	1.58E-03	4.47E-03	4.01E-01	3.01E-01	1.07E-05	1.73E-05	1.31E-04	3.01E-01
2929	486324.61	3855840.57	3.45E-01	9.97E-06	1.74E-05	1.41E-04	3.45E-01	3.60E-01	1.02E-01	1.59E-03	4.81E-03	4.68E-01	3.59E-01	1.17E-05	1.74E-05	1.41E-04	3.60E-01
2930	486374.61	3855840.57	3.29E-01	9.86E-06	1.75E-05	1.38E-04	3.29E-01	3.43E-01	1.01E-01	1.59E-03	4.71E-03	4.50E-01	3.43E-01	1.15E-05	1.75E-05	1.38E-04	3.43E-01
2931	486424.61	3855840.57	3.12E-01	9.69E-06	1.75E-05	1.35E-04	3.12E-01	3.26E-01	9.90E-02	1.60E-03	4.62E-03	4.31E-01	3.25E-01	1.13E-05	1.75E-05	1.35E-04	3.25E-01
2932	486324.61	3855890.57	3.79E-01	1.06E-05	1.73E-05	1.45E-04	3.79E-01	3.95E-01	1.08E-01	1.58E-03	4.96E-03	5.10E-01	3.95E-01	1.24E-05	1.73E-05	1.45E-04	3.95E-01
2933	486374.61	3855890.57	3.59E-01	1.05E-05	1.76E-05	1.42E-04	3.59E-01	3.74E-01	1.07E-01	1.60E-03	4.85E-03	4.88E-01	3.74E-01	1.22E-05	1.76E-05	1.42E-04	3.74E-01
2934	486424.61	3855890.57	3.38E-01	1.03E-05	1.78E-05	1.39E-04	3.38E-01	3.53E-01	1.05E-01	1.62E-03	4.75E-03	4.64E-01	3.52E-01	1.20E-05	1.78E-05	1.39E-04	3.52E-01
2935	488735.69	3858285.64	2.64E-02	3.07E-05	6.00E-04	1.20E-04	2.71E-02	2.75E-02	3.14E-01	5.47E-02	4.11E-03	4.00E-01	2.75E-02	3.59E-05	6.00E-04	1.20E-04	2.82E-02
2936	488765.69	3858285.64	2.65E-02	3.04E-05	5.96E-04	1.19E-04	2.73E-02	2.77E-02	3.10E-01	5.44E-02	4.05E-03	3.96E-01	2.76E-02	3.55E-05	5.96E-04	1.19E-04	2.84E-02
2937	488735.69	3858315.64	2.55E-02	3.14E-05	5.09E-04	1.23E-04	2.62E-02	2.66E-02	3.21E-01	4.64E-02	4.22E-03	3.98E-01	2.65E-02	3.68E-05	5.09E-04	1.23E-04	2.72E-02
2938	488765.69	3858315.64	2.57E-02	3.11E-05	5.10E-04	1.22E-04	2.63E-02	2.68E-02	3.18E-01	4.65E-02	4.16E-03	3.95E-01	2.67E-02	3.64E-05	5.10E-04	1.22E-04	2.74E-02
2939	478676.63	3849871.93	1.80E-03	5.86E-07	3.95E-06	5.55E-06	1.81E-03	1.88E-03	5.99E-03	3.61E-04	1.90E-04	8.42E-03	1.87E-03	6.86E-07	3.95E-06	5.55E-06	1.88E-03
2940	479326.63	3849871.93	2.61E-03	4.73E-07	3.89E-06	5.83E-06	2.62E-03	2.72E-03	4.83E-03	3.55E-04	2.00E-04	8.10E-03	2.72E-03	5.53E-07	3.89E-06	5.83E-06	2.73E-03
2941	479376.63	3849871.93	2.67E-03	4.63E-07	3.87E-06	5.86E-06	2.68E-03	2.79E-03	4.73E-03	3.53E-04	2.00E-04	8.08E-03	2.78E-03	5.42E-07	3.87E-06	5.86E-06	2.79E-03
2942	479426.63	3849871.93	2.74E-03	4.58E-07	3.87E-06	5.86E-06	2.75E-03	2.86E-03	4.68E-03	3.53E-04	2.00E-04	8.09E-03	2.85E-03	5.36E-07	3.87E-06	5.86E-06	2.86E-03
2943	478726.63	3849921.93	1.82E-03	5.96E-07	3.98E-06	5.60E-06	1.83E-03	1.90E-03	6.09E-03	3.63E-04	1.91E-04	8.55E-03	1.90E-03	6.98E-07	3.98E-06	5.60E-06	1.91E-03
2944	478776.63	3849921.93	1.87E-03	5.92E-07	3.95E-06	5.62E-06	1.88E-03	1.95E-03	6.04E-03	3.61E-04	1.92E-04	8.54E-03	1.94E-03	6.92E-07	3.95E-06	5.62E-06	1.95E-03
2945	478826.63	3849921.93	1.91E-03	5.86E-07	3.95E-06	5.64E-06	1.92E-03	1.99E-03	5.99E-03	3.61E-04	1.93E-04	8.54E-03	1.99E-03	6.86E-07	3.95E-06	5.64E-06	2.00E-03
2946	478976.63	3849921.93	2.08E-03	5.65E-07	3.93E-06	5.70E-06	2.09E-03	2.17E-03	5.78E-03	3.59E-04	1.95E-04	8.50E-03	2.17E-03	6.61E-07	3.93E-06	5.70E-06	2.18E-03
2947	479026.63	3849921.93	2.15E-03	5.65E-07	3.93E-06	5.70E-06	2.16E-03	2.25E-03	5.78E-03	3.59E-04	1.95E-04	8.58E-03	2.24E-03	6.61E-07	3.93E-06	5.70E-06	2.25E-03
2948	479076.63	3849921.93	2.23E-03	5.59E-07	3.93E-06	5.73E-06	2.24E-03	2.32E-03	5.71E-03	3.59E-04	1.96E-04	8.59E-03	2.32E-03	6.54E-07	3.93E-06	5.73E-06	2.33E-03
2949	479126.63	3849921.93	2.30E-03	5.50E-07	3.91E-06	5.75E-06	2.31E-03	2.40E-03	5.62E-03	3.57E-04	1.97E-04	8.57E-03	2.39E-03	6.43E-07	3.91E-06	5.75E-06	2.40E-03
2950	479176.63	3849921.93	2.38E-03	5.44E-07	3.91E-06	5.77E-06	2.39E-03	2.48E-03	5.56E-03	3.57E-04	1.97E-04	8.59E-03	2.48E-03	6.36E-07	3.91E-06	5.77E-06	2.49E-03
2951	479226.63	3849921.93	2.45E-03	5.24E-07	3.91E-06	5.79E-06	2.46E-03	2.55E-03	5.35E-03	3.57E-04	1.98E-04	8.46E-03	2.55E-03	6.13E-07	3.91E-06	5.79E-06	2.56E-03
2952	479276.63	3849921.93	2.50E-03	4.95E-07	3.91E-06	5.83E-06	2.51E-03	2.60E-03	5.06E-03	3.57E-04	2.00E-04	8.22E-03	2.60E-03	5.79E-07	3.91E-06	5.83E-06	2.61E-03
2953	479326.63	3849921.93	2.60E-03	5.10E-07	3.91E-06	5.81E-06	2.61E-03	2.71E-03	5.21E-03	3.57E-04	1.99E-04	8.47E-03	2.71E-03	5.96E-07	3.91E-06	5.81E-06	2.72E-03
2954	479376.63	3849921.93	2.65E-03	4.81E-07	3.91E-06	5.86E-06	2.66E-03	2.76E-03	4.92E-03	3.57E-04	2.00E-04	8.23E-03	2.76E-03	5.63E-07	3.91E-06	5.86E-06	2.77E-03
2955	479426.63	3849921.93	2.73E-03	4.87E-07	3.89E-06	5.86E-06	2.74E-03	2.85E-03	4.97E-03	3.55E-04	2.00E-04	8.37E-03	2.84E-03	5.69E-07	3.89E-06	5.86E-06	2.85E-03
2956	478726.63	3849971.93	1.81E-03	6.10E-07	4.00E-06	5.60E-06	1.82E-03	1.89E-03	6.23E-03	3.65E-04	1.91E-04	8.68E-03	1.88E-03	7.14E-07	4.00E-06	5.60E-06	1.89E-03
2957	478776.63	3849971.93	1.85E-03	6.06E-07	4.00E-06	5.62E-06	1.86E-03	1.93E-03	6.19E-03	3.65E-04	1.92E-04	8.67E-03	1.92E-03	7.08E-07	4.00E-06	5.62E-06	1.93E-03
2958	478826.63	3849971.93	1.89E-03	6.00E-07	3.98E-06	5.64E-06	1.90E-03	1.97E-03	6.13E-03	3.63E-04	1.93E-04	8.66E-03	1.96E-03	7.02E-07	3.98E-06	5.64E-06	1.97E-03
2959	478976.63	3849971.93	2.06E-03	5.90E-07	3.98E-06	5.70E-06	2.07E-03	2.15E-03	6.03E-03	3.63E-04	1.95E-04	8.73E-03	2.14E-03	6.90E-07	3.98E-06	5.70E-06	2.15E-03
2960	479026.63	3849971.93	2.12E-03	5.82E-07	3.95E-06	5.73E-06	2.13E-03	2.21E-03	5.95E-03	3.61E-04	1.96E-04	8.71E-03	2.20E-03	6.81E-07	3.95E-06	5.73E-06	2.21E-03
2961	479076.63	3849971.93	2.18E-03	5.74E-07	3.95E-06	5.75E-06	2.19E-03	2.28E-03	5.86E-03	3.61E-04	1.97E-04	8.70E-03	2.27E-03	6.71E-07	3.95E-06	5.75E-06	2.28E-03
2962	479126.63	3849971.93	2.25E-03	5.68E-07	3.95E-06	5.77E-06	2.26E-03	2.35E-03	5.80E-03	3.61E-04	1.97E-04	8.71E-03	2.35E-03	6.64E-07	3.95E-06	5.77E-06	2.36E-03
2963	479176.63	3849971.93	2.33E-03	5.59E-07	3.93E-06	5.77E-06	2.34E-03	2.43E-03	5.71E-03	3.59E-04	1.97E-04	8.70E-03	2.43E-03	6.54E-07	3.93E-06	5.77E-06	2.44E-03
2964	479226.63	3849971.93	2.37E-03	5.22E-07	3.93E-06	5.83E-06	2.38E-03	2.48E-03	5.33E-03	3.59E-04	2.00E-04	8.37E-03	2.47E-03	6.11E-07	3.93E-06	5.83E-06	2.48E-03
2965	479276.63	3849971.93	2.48E-03	5.34E-07	3.93E-06	5.83E-06	2.49E-03	2.58E-03	5.45E-03	3.59E-04	2.00E-04	8.60E-03	2.58E-03	6.24E-07	3.93E-06	5.83E-06	2.59E-03
2966	479326.63	3849971.93	2.57E-03	5.38E-07	3.93E-06	5.81E-06	2.58E-03	2.68E-03	5.50E-03	3.59E-04	1.99E-04	8.74E-03	2.68E-03	6.30E-07	3.93E-06	5.81E-06	2.69E-03
2967	479376.63	3849971.93	2.62E-03	5.09E-07	3.93E-06	5.88E-06	2.63E-03	2.74E-03	5.20E-03	3.59E-04	2.01E-04	8.50E-03	2.73E-03	5.95E-07	3.93E-06	5.88E-06	2.74E-03
2968	479426.63	3849971.93	2.70E-03	5.06E-07	3.91E-06	5.88E-06	2.71E-03	2.82E-03	5.17E-03	3.57E-04	2.01E-04	8.55E-03	2.81E-03	5.92E-07	3.91E-06	5.88E-06	2.82E-03
2969	478726.63	3850021.93	1.80E-03	6.24E-07	4.02E-06	5.62E-06	1.81E-03	1.88E-03	6.38E-03	3.66E-04	1.92E-04	8.81E-03	1.88E-03	7.30E-07	4.02E-06	5.62E-06	1.89E-03
2970	478776.63	3850021.93	1.83E-03	6.19E-07	4.02E-06	5.64E-06	1.84E-03	1.91E-03	6.32E-03	3.66E-04	1.93E-04	8.79E-03	1.91E-03	7.24E-07	4.02E-06	5.64E-06	1.92E-03
2971	478826.63	3850021.93	1.87E-03	6.15E-07	4.02E-06	5.66E-06	1.88E-03	1.95E-03	6.28E-03	3.66E-04	1.94E-04	8.79E-03	1.95E-03	7.19E-07	4.02E-06	5.66E-06	1.96E-03
2972	478976.63	3850021.93	2.02E-03	6.05E-07	4.00E-06	5.70E-06	2.03E-03	2.11E-03	6.18E-03	3.65E-04	1.95E-04	8.85E-03	2.11E-03	7.08E-07	4.00E-06	5.70E-06	2.12E-03
2973	478726.63	3850071.93	1.80E-03	6.38E-07	4.04E-06	5.62E-06	1.81E-03	1.88E-03	6.52E-03	3.68E-04	1.92E-04	8.96E-03	1.87E-03	7.46E-07	4.04E-06	5.62E-06	1.88E-03
2974	478776.63	3850071.93	1.83E-03	6.34E-07	4.04E-06	5.64E-06	1.84E-03	1.91E-03	6.48E-03	3.68E-04	1.93E-04	8.95E-03	1.90E-03	7.42E-07	4.04E-06	5.64E-06	1.91E-03
2975	478826.63	3850071.93	1.86E-03	6.29E-07	4.04E-06	5.66E-06	1.87E-03	1.94E-03	6.43E-03	3.68E-04	1.94E-04	8.93E-03	1.93E-03	7.36E-07	4.04E-06	5.66E-06	1.94E-03
2976	478876.63	3850071.93	1.90E-03	6.26E-07	4.04E-06	5.68E-06	1.91E-03	1.98E-03	6.39E-03	3.68E-04	1.94E-04	8.93E-03	1.97E-03	7.32E-07	4.04E-06	5.68E-06	1.99E-03
2977	478976.63	3850071.93	1.99E-03	6.21E-07	4.02E-06	5.73E-06	2.00E-03	2.08E-03	6.34E-03	3.66E-04	1.96E-04	8.99E-03	2.08E-03	7.26E-07	4.02E-06	5.73E-06	2.09E-03
2978	478726.63	3850121.93	1.81E-03	6.52E-07	4.08E-06	5.64E-06	1.82E-03	1.88E-03	6.66E-03	3.72E-04	1.93E-04	9.11E-03	1.88E-03	7.63E-07	4.08E-06	5.64E-06	1.89E-03
2979	478776.63	3850121.93	1.83E-03	6.50E-07	4.06E-06	5.66E-06	1.84E-03	1.91E-03	6.64E-03	3.70E-04	1.94E-04	9.11E-03	1.90E-03	7.60E-07	4.06E-06	5.66E-06	1.91E-03
2980	478826.63	3850121.93	1.85E-03	6.45E-07	4.06E-06	5.68E-06	1.86E-03	1.93E-03	6.59E-03	3.70E-04	1.94E-04	9.09E-03	1.93E-03	7.55E-07	4.06E-06	5.68E-06	1.94E-03
2981	478876.63	3850121.93	1.88E-03	6.40E-07	4.06E-06	5.70E-06	1.90E-03	1.97E-03	6.54E-03	3.70E-04	1.95E-04	9.07E-03	1.96E-03	7.49E-07	4.06E-06	5.70E-06	1.97E-03
2982	478976.63	3850121.93	1.97E-03	6.36E-07	4.06E-06	5.73E-06	1.98E-03	2.06E-03	6.49E-03	3.70E-04	1.96E-04	9.12E-03	2.05E-03	7.44E-07	4.06E-06	5.73E-06	2.06E-03
2983	479026.63	3850121.93	2.02E-03	6.33E-07	4.04E-06	5.75E-06	2.03E-03	2.11E-03	6.46E-03	3.68E-04	1.97E-04	9.14E-03	2.11E-03	7.40E-07	4.04E-06	5.75E-06	2.12E-03
2984	479076.63	3850121.93	2.08E-03	6.27E-07	4.04E-06	5.77E-06	2.09E-03	2.17E-03	6.41E-03	3.68E-04	1.97E-04	9.14E-03	2.16E-03	7.34E-07	4.04E-06	5.77E-06	2.17E-03
2985	479126.63	3850121.93	2.14E-03	6.21E-07	4.04E-06	5.79E-06	2.15E-03	2.23E-03	6.34E-03	3.68E-04	1.98E-04	9.14E-03	2.23E-03	7.26E-07	4.04E-06	5.79E-06	2.24E-03

2986	478776.63	3850171.93	1.83E-03	6.63E-07	4.10E-06	5.66E-06	1.84E-03	1.91E-03	6.78E-03	3.74E-04	1.94E-04	9.26E-03	1.91E-03	7.76E-07	4.10E-06	5.66E-06	1.92E-03
2987	478826.63	3850171.93	1.85E-03	6.59E-07	4.08E-06	5.68E-06	1.86E-03	1.93E-03	6.73E-03	3.72E-04	1.94E-04	9.23E-03	1.93E-03	7.71E-07	4.08E-06	5.68E-06	1.94E-03
2988	478876.63	3850171.93	1.88E-03	6.55E-07	4.08E-06	5.70E-06	1.89E-03	1.96E-03	6.69E-03	3.72E-04	1.95E-04	9.22E-03	1.96E-03	7.66E-07	4.08E-06	5.70E-06	1.97E-03
2989	478976.63	3850171.93	1.96E-03	6.51E-07	4.08E-06	5.75E-06	1.97E-03	2.04E-03	6.65E-03	3.72E-04	1.97E-04	9.26E-03	2.04E-03	7.62E-07	4.08E-06	5.75E-06	2.05E-03
2990	479026.63	3850171.93	2.00E-03	6.50E-07	4.08E-06	5.75E-06	2.01E-03	2.09E-03	6.64E-03	3.72E-04	1.97E-04	9.30E-03	2.09E-03	7.60E-07	4.08E-06	5.75E-06	2.10E-03
2991	479076.63	3850171.93	2.05E-03	6.44E-07	4.06E-06	5.77E-06	2.06E-03	2.14E-03	6.58E-03	3.70E-04	1.97E-04	9.29E-03	2.14E-03	7.54E-07	4.06E-06	5.77E-06	2.15E-03
2992	479126.63	3850171.93	2.11E-03	6.40E-07	4.06E-06	5.79E-06	2.12E-03	2.20E-03	6.53E-03	3.70E-04	1.98E-04	9.30E-03	2.19E-03	7.48E-07	4.06E-06	5.79E-06	2.20E-03
2993	479176.63	3850171.93	2.17E-03	6.36E-07	4.06E-06	5.81E-06	2.18E-03	2.26E-03	6.50E-03	3.70E-04	1.99E-04	9.34E-03	2.26E-03	7.45E-07	4.06E-06	5.81E-06	2.27E-03
2994	479226.63	3850171.93	2.25E-03	6.39E-07	4.06E-06	5.81E-06	2.26E-03	2.34E-03	6.53E-03	3.70E-04	1.99E-04	9.44E-03	2.34E-03	7.47E-07	4.06E-06	5.81E-06	2.35E-03
2995	479276.63	3850171.93	2.32E-03	6.40E-07	4.04E-06	5.81E-06	2.33E-03	2.43E-03	6.54E-03	3.68E-04	1.99E-04	9.53E-03	2.42E-03	7.49E-07	4.04E-06	5.81E-06	2.43E-03
2996	479326.63	3850171.93	2.40E-03	6.30E-07	4.04E-06	5.83E-06	2.41E-03	2.50E-03	6.44E-03	3.68E-04	2.00E-04	9.51E-03	2.49E-03	7.37E-07	4.04E-06	5.83E-06	2.51E-03
2997	479376.63	3850171.93	2.47E-03	6.19E-07	4.04E-06	5.86E-06	2.48E-03	2.57E-03	6.32E-03	3.68E-04	2.00E-04	9.46E-03	2.57E-03	7.24E-07	4.04E-06	5.86E-06	2.58E-03
2998	478676.63	3850221.93	1.82E-03	6.77E-07	4.12E-06	5.64E-06	1.83E-03	1.90E-03	6.92E-03	3.76E-04	1.93E-04	9.39E-03	1.90E-03	7.92E-07	4.12E-06	5.64E-06	1.91E-03
2999	478726.63	3850221.93	1.83E-03	6.78E-07	4.12E-06	5.66E-06	1.84E-03	1.91E-03	6.93E-03	3.76E-04	1.94E-04	9.41E-03	1.91E-03	7.93E-07	4.12E-06	5.66E-06	1.92E-03
3000	478976.63	3850221.93	1.95E-03	6.67E-07	4.10E-06	5.75E-06	1.96E-03	2.03E-03	6.82E-03	3.74E-04	1.97E-04	9.42E-03	2.03E-03	7.81E-07	4.10E-06	5.75E-06	2.04E-03
3001	479026.63	3850221.93	1.99E-03	6.66E-07	4.10E-06	5.77E-06	2.00E-03	2.08E-03	6.80E-03	3.74E-04	1.97E-04	9.45E-03	2.07E-03	7.79E-07	4.10E-06	5.77E-06	2.08E-03
3002	479076.63	3850221.93	2.03E-03	6.61E-07	4.10E-06	5.79E-06	2.04E-03	2.12E-03	6.75E-03	3.74E-04	1.98E-04	9.45E-03	2.12E-03	7.73E-07	4.10E-06	5.79E-06	2.13E-03
3003	479126.63	3850221.93	2.08E-03	6.57E-07	4.10E-06	5.81E-06	2.09E-03	2.17E-03	6.72E-03	3.74E-04	1.99E-04	9.46E-03	2.17E-03	7.69E-07	4.10E-06	5.81E-06	2.18E-03
3004	479176.63	3850221.93	2.15E-03	6.57E-07	4.08E-06	5.81E-06	2.16E-03	2.24E-03	6.71E-03	3.72E-04	1.99E-04	9.52E-03	2.23E-03	7.68E-07	4.08E-06	5.81E-06	2.24E-03
3005	479226.63	3850221.93	2.21E-03	6.57E-07	4.08E-06	5.83E-06	2.22E-03	2.31E-03	6.71E-03	3.72E-04	2.00E-04	9.59E-03	2.30E-03	7.68E-07	4.08E-06	5.83E-06	2.31E-03
3006	479276.63	3850221.93	2.28E-03	6.57E-07	4.08E-06	5.83E-06	2.29E-03	2.38E-03	6.71E-03	3.72E-04	2.00E-04	9.66E-03	2.38E-03	7.68E-07	4.08E-06	5.83E-06	2.39E-03
3007	479326.63	3850221.93	2.35E-03	6.46E-07	4.06E-06	5.86E-06	2.36E-03	2.45E-03	6.60E-03	3.70E-04	2.00E-04	9.63E-03	2.45E-03	7.56E-07	4.06E-06	5.86E-06	2.46E-03
3008	479376.63	3850221.93	2.42E-03	6.39E-07	4.06E-06	5.88E-06	2.44E-03	2.53E-03	6.53E-03	3.70E-04	2.01E-04	9.63E-03	2.53E-03	7.47E-07	4.06E-06	5.88E-06	2.54E-03
3009	478676.63	3850271.93	1.85E-03	6.89E-07	4.15E-06	5.66E-06	1.86E-03	1.93E-03	7.04E-03	3.78E-04	1.94E-04	9.54E-03	1.93E-03	8.06E-07	4.15E-06	5.66E-06	1.94E-03
3010	478726.63	3850271.93	1.86E-03	6.90E-07	4.15E-06	5.68E-06	1.87E-03	1.94E-03	7.05E-03	3.78E-04	1.94E-04	9.56E-03	1.93E-03	8.07E-07	4.15E-06	5.68E-06	1.94E-03
3011	478976.63	3850271.93	1.94E-03	6.81E-07	4.15E-06	5.77E-06	1.96E-03	2.03E-03	6.96E-03	3.78E-04	1.97E-04	9.56E-03	2.02E-03	7.97E-07	4.15E-06	5.77E-06	2.04E-03
3012	479026.63	3850271.93	1.98E-03	6.81E-07	4.12E-06	5.79E-06	1.99E-03	2.07E-03	6.96E-03	3.76E-04	1.98E-04	9.60E-03	2.07E-03	7.97E-07	4.12E-06	5.79E-06	2.08E-03
3013	479076.63	3850271.93	2.02E-03	6.78E-07	4.12E-06	5.79E-06	2.03E-03	2.11E-03	6.93E-03	3.76E-04	1.98E-04	9.61E-03	2.11E-03	7.93E-07	4.12E-06	5.79E-06	2.12E-03
3014	479126.63	3850271.93	2.07E-03	6.76E-07	4.12E-06	5.81E-06	2.08E-03	2.16E-03	6.90E-03	3.76E-04	1.99E-04	9.64E-03	2.15E-03	7.91E-07	4.12E-06	5.81E-06	2.16E-03
3015	479176.63	3850271.93	2.12E-03	6.74E-07	4.12E-06	5.83E-06	2.13E-03	2.21E-03	6.89E-03	3.76E-04	2.00E-04	9.68E-03	2.21E-03	7.89E-07	4.12E-06	5.83E-06	2.22E-03
3016	479226.63	3850271.93	2.18E-03	6.73E-07	4.12E-06	5.83E-06	2.19E-03	2.28E-03	6.88E-03	3.76E-04	2.00E-04	9.74E-03	2.27E-03	7.88E-07	4.12E-06	5.83E-06	2.28E-03
3017	479276.63	3850271.93	2.25E-03	6.70E-07	4.10E-06	5.86E-06	2.26E-03	2.34E-03	6.85E-03	3.74E-04	2.00E-04	9.77E-03	2.34E-03	7.84E-07	4.10E-06	5.86E-06	2.35E-03
3018	479326.63	3850271.93	2.31E-03	6.62E-07	4.10E-06	5.88E-06	2.32E-03	2.41E-03	6.76E-03	3.74E-04	2.01E-04	9.75E-03	2.40E-03	7.74E-07	4.10E-06	5.88E-06	2.42E-03
3019	479376.63	3850271.93	2.37E-03	6.51E-07	4.10E-06	5.90E-06	2.39E-03	2.48E-03	6.65E-03	3.74E-04	2.02E-04	9.71E-03	2.47E-03	7.62E-07	4.10E-06	5.90E-06	2.48E-03
3020	479053.24	3850293.52	2.00E-03	6.87E-07	4.15E-06	5.79E-06	2.01E-03	2.09E-03	7.02E-03	3.78E-04	1.98E-04	9.69E-03	2.09E-03	8.04E-07	4.15E-06	5.79E-06	2.10E-03
3021	479103.24	3850293.52	2.04E-03	6.85E-07	4.15E-06	5.81E-06	2.06E-03	2.13E-03	7.00E-03	3.78E-04	1.99E-04	9.71E-03	2.13E-03	8.01E-07	4.15E-06	5.81E-06	2.14E-03
3022	479153.24	3850293.52	2.09E-03	6.82E-07	4.12E-06	5.83E-06	2.10E-03	2.18E-03	6.97E-03	3.76E-04	2.00E-04	9.72E-03	2.18E-03	7.98E-07	4.12E-06	5.83E-06	2.19E-03
3023	479203.24	3850293.52	2.15E-03	6.81E-07	4.12E-06	5.83E-06	2.16E-03	2.24E-03	6.96E-03	3.76E-04	2.00E-04	9.77E-03	2.23E-03	7.97E-07	4.12E-06	5.83E-06	2.24E-03
3024	479253.24	3850293.52	2.20E-03	6.79E-07	4.12E-06	5.86E-06	2.22E-03	2.30E-03	6.94E-03	3.76E-04	2.00E-04	9.81E-03	2.30E-03	7.94E-07	4.12E-06	5.86E-06	2.31E-03
3025	479303.24	3850293.52	2.26E-03	6.72E-07	4.12E-06	5.88E-06	2.27E-03	2.36E-03	6.87E-03	3.76E-04	2.01E-04	9.80E-03	2.36E-03	7.86E-07	4.12E-06	5.88E-06	2.37E-03
3026	479353.24	3850293.52	2.33E-03	6.63E-07	4.10E-06	5.90E-06	2.34E-03	2.43E-03	6.77E-03	3.74E-04	2.02E-04	9.77E-03	2.42E-03	7.75E-07	4.10E-06	5.90E-06	2.43E-03
3027	479153.24	3850343.52	2.08E-03	7.00E-07	4.17E-06	5.86E-06	2.09E-03	2.17E-03	7.15E-03	3.80E-04	2.00E-04	9.90E-03	2.17E-03	8.19E-07	4.17E-06	5.86E-06	2.18E-03
3028	479203.24	3850343.52	2.17E-03	6.98E-07	4.17E-06	5.86E-06	2.18E-03	2.26E-03	7.13E-03	3.80E-04	2.00E-04	9.98E-03	2.26E-03	8.17E-07	4.17E-06	5.86E-06	2.27E-03
3029	479253.24	3850343.52	2.18E-03	6.93E-07	4.15E-06	5.88E-06	2.19E-03	2.27E-03	7.08E-03	3.78E-04	2.01E-04	9.93E-03	2.27E-03	8.11E-07	4.15E-06	5.88E-06	2.28E-03
3030	479303.24	3850343.52	2.23E-03	6.86E-07	4.15E-06	5.90E-06	2.24E-03	2.32E-03	7.01E-03	3.78E-04	2.02E-04	9.91E-03	2.32E-03	8.02E-07	4.15E-06	5.90E-06	2.33E-03
3031	479353.24	3850343.52	2.29E-03	6.77E-07	4.15E-06	5.92E-06	2.30E-03	2.39E-03	6.92E-03	3.78E-04	2.02E-04	9.89E-03	2.38E-03	7.92E-07	4.15E-06	5.92E-06	2.39E-03
3032	479203.24	3850393.52	2.15E-03	7.13E-07	4.19E-06	5.88E-06	2.16E-03	2.24E-03	7.28E-03	3.82E-04	2.01E-04	1.01E-02	2.24E-03	8.34E-07	4.19E-06	5.88E-06	2.25E-03
3033	479253.24	3850393.52	2.19E-03	7.07E-07	4.19E-06	5.90E-06	2.20E-03	2.29E-03	7.23E-03	3.82E-04	2.02E-04	1.01E-02	2.28E-03	8.28E-07	4.19E-06	5.90E-06	2.29E-03
3034	479303.24	3850393.52	2.24E-03	7.01E-07	4.19E-06	5.92E-06	2.25E-03	2.34E-03	7.16E-03	3.82E-04	2.02E-04	1.01E-02	2.33E-03	8.20E-07	4.19E-06	5.92E-06	2.35E-03
3035	479353.24	3850393.52	2.26E-03	6.93E-07	4.17E-06	5.94E-06	2.27E-03	2.35E-03	7.08E-03	3.80E-04	2.03E-04	1.00E-02	2.35E-03	8.11E-07	4.17E-06	5.94E-06	2.36E-03
3036	479403.24	3850393.52	2.31E-03	6.84E-07	4.17E-06	5.96E-06	2.32E-03	2.41E-03	6.99E-03	3.80E-04	2.04E-04	9.99E-03	2.41E-03	8.01E-07	4.17E-06	5.96E-06	2.42E-03
3037	479453.24	3850393.52	2.37E-03	6.72E-07	4.17E-06	5.98E-06	2.39E-03	2.48E-03	6.87E-03	3.80E-04	2.05E-04	9.93E-03	2.47E-03	7.86E-07	4.17E-06	5.98E-06	2.48E-03
3038	479503.24	3850393.52	2.44E-03	6.58E-07	4.15E-06	6.01E-06	2.45E-03	2.55E-03	6.72E-03	3.78E-04	2.05E-04	9.85E-03	2.54E-03	7.70E-07	4.15E-06	6.01E-06	2.55E-03
3039	479303.24	3850443.52	2.22E-03	7.14E-07	4.21E-06	5.94E-06	2.23E-03	2.31E-03	7.30E-03	3.84E-04	2.03E-04	1.02E-02	2.31E-03	8.36E-07	4.21E-06	5.94E-06	2.32E-03
3040	479353.24	3850443.52	2.23E-03	7.05E-07	4.21E-06	5.96E-06	2.24E-03	2.32E-03	7.20E-03	3.84E-04	2.04E-04	1.01E-02	2.32E-03	8.25E-07	4.21E-06	5.96E-06	2.33E-03
3041	479403.24	3850443.52	2.27E-03	6.94E-07	4.19E-06	5.98E-06	2.28E-03	2.37E-03	7.09E-03	3.82E-04	2.05E-04	1.01E-02	2.37E-03	8.12E-07	4.19E-06	5.98E-06	2.38E-03
3042	479453.24	3850443.52	2.33E-03	6.83E-07	4.19E-06	6.01E-06	2.34E-03	2.43E-03	6.98E-03	3.82E-04	2.05E-04	9.99E-03	2.42E-03	7.99E-07	4.19E-06	6.01E-06	2.44E-03
3043	479503.24	3850443.52	2.39E-03	6.70E-07	4.19E-06	6.05E-06	2.40E-03	2.49E-03	6.84E-03	3.82E-04	2.07E-04	9.92E-03	2.49E-03	7.83E-07	4.19E-06	6.05E-06	2.50E-03
3044	480327.18	3850987.04	3.26E-03	7.75E-07	4.44E-06	6.61E-06	3.27E-03	3.40E-03	7.92E-03	4.05E-04	2.26E-04	1.20E-02	3.39E-03	9.07E-07	4.44E-06	6.61E-06	3.41E-03
3045	480377.18	3850987.04	3.35E-03	7.68E-07	4.44E-06	6.63E-06	3.36E-03	3.50E-03	7.84E-03	4.05E-04	2.27E-04	1.20E-02	3.49E-03	8.98E-07	4.44E-06	6.63E-06	3.50E-03
3046	480427.18	3850987.04	3.44E-03	7.58E-07	4.44E-06	6.67E-06	3.45E-03	3.59E-03	7.74E-03	4.05E-04	2.28E-04	1.20E-02	3.58E-03	8.86E-07	4.44E-06	6.67E-06	3.59E-03

3047	480477.18	3850987.04	3.52E-03	7.47E-07	4.42E-06	6.72E-06	3.53E-03	3.67E-03	7.63E-03	4.03E-04	2.30E-04	1.19E-02	3.66E-03	8.74E-07	4.42E-06	6.72E-06	3.68E-03
3048	480327.18	3851037.04	3.20E-03	7.94E-07	4.49E-06	6.63E-06	3.21E-03	3.34E-03	8.11E-03	4.09E-04	2.27E-04	1.21E-02	3.33E-03	9.29E-07	4.49E-06	6.63E-06	3.34E-03
3049	480377.18	3851037.04	3.30E-03	7.85E-07	4.49E-06	6.67E-06	3.31E-03	3.44E-03	8.03E-03	4.09E-04	2.28E-04	1.21E-02	3.43E-03	9.19E-07	4.49E-06	6.67E-06	3.45E-03
3050	480427.18	3851037.04	3.39E-03	7.76E-07	4.46E-06	6.70E-06	3.41E-03	3.54E-03	7.93E-03	4.07E-04	2.29E-04	1.21E-02	3.53E-03	9.08E-07	4.46E-06	6.70E-06	3.55E-03
3051	480477.18	3851037.04	3.48E-03	7.68E-07	4.46E-06	6.74E-06	3.49E-03	3.63E-03	7.85E-03	4.07E-04	2.30E-04	1.21E-02	3.63E-03	8.99E-07	4.46E-06	6.74E-06	3.64E-03
3052	480622.06	3851087.39	3.68E-03	7.68E-07	4.49E-06	6.87E-06	3.69E-03	3.84E-03	7.85E-03	4.09E-04	2.35E-04	1.23E-02	3.83E-03	8.99E-07	4.49E-06	6.87E-06	3.84E-03
3053	480672.06	3851087.39	3.76E-03	7.64E-07	4.49E-06	6.91E-06	3.77E-03	3.92E-03	7.80E-03	4.09E-04	2.36E-04	1.24E-02	3.92E-03	8.94E-07	4.49E-06	6.91E-06	3.93E-03
3054	480622.06	3851137.39	3.64E-03	7.91E-07	4.53E-06	6.89E-06	3.66E-03	3.80E-03	8.08E-03	4.13E-04	2.36E-04	1.25E-02	3.79E-03	9.25E-07	4.53E-06	6.89E-06	3.81E-03
3055	480672.06	3851137.39	3.72E-03	7.85E-07	4.53E-06	6.93E-06	3.74E-03	3.89E-03	8.02E-03	4.13E-04	2.37E-04	1.26E-02	3.88E-03	9.18E-07	4.53E-06	6.93E-06	3.89E-03
3056	480722.06	3851137.39	3.81E-03	7.80E-07	4.51E-06	6.95E-06	3.82E-03	3.97E-03	7.97E-03	4.11E-04	2.38E-04	1.26E-02	3.96E-03	9.13E-07	4.51E-06	6.95E-06	3.98E-03
3057	480622.06	3851187.39	3.59E-03	8.12E-07	4.57E-06	6.91E-06	3.61E-03	3.75E-03	8.29E-03	4.17E-04	2.36E-04	1.27E-02	3.74E-03	9.50E-07	4.57E-06	6.91E-06	3.75E-03
3058	480672.06	3851187.39	3.68E-03	8.07E-07	4.55E-06	6.95E-06	3.70E-03	3.84E-03	8.25E-03	4.15E-04	2.38E-04	1.27E-02	3.84E-03	9.44E-07	4.55E-06	6.95E-06	3.85E-03
3059	480722.06	3851187.39	3.77E-03	8.03E-07	4.55E-06	6.97E-06	3.78E-03	3.93E-03	8.21E-03	4.15E-04	2.39E-04	1.28E-02	3.93E-03	9.40E-07	4.55E-06	6.97E-06	3.94E-03
3060	471363.09	3845877.25	6.13E-04	1.35E-07	2.45E-06	3.51E-06	6.20E-04	6.40E-04	1.38E-03	2.23E-04	1.20E-04	2.36E-03	6.39E-04	1.58E-07	2.45E-06	3.51E-06	6.45E-04
3061	471863.09	3845877.25	5.86E-04	1.30E-07	2.51E-06	3.49E-06	5.93E-04	6.12E-04	1.33E-03	2.29E-04	1.19E-04	2.29E-03	6.11E-04	1.52E-07	2.51E-06	3.49E-06	6.17E-04
3062	472363.09	3845877.25	6.29E-04	1.44E-07	2.66E-06	3.47E-06	6.35E-04	6.56E-04	1.47E-03	2.42E-04	1.19E-04	2.48E-03	6.55E-04	1.68E-07	2.66E-06	3.47E-06	6.61E-04
3063	472863.09	3845877.25	5.40E-04	1.33E-07	2.66E-06	3.38E-06	5.46E-04	5.64E-04	1.36E-03	2.42E-04	1.16E-04	2.28E-03	5.62E-04	1.55E-07	2.66E-06	3.38E-06	5.69E-04
3064	473363.09	3845877.25	5.09E-04	1.50E-07	2.70E-06	3.34E-06	5.15E-04	5.31E-04	1.53E-03	2.46E-04	1.14E-04	2.42E-03	5.30E-04	1.75E-07	2.70E-06	3.34E-06	5.37E-04
3065	473863.09	3845877.25	5.40E-04	1.67E-07	2.70E-06	3.32E-06	5.46E-04	5.64E-04	1.70E-03	2.46E-04	1.13E-04	2.63E-03	5.62E-04	1.95E-07	2.70E-06	3.32E-06	5.69E-04
3066	474363.09	3845877.25	6.19E-04	1.90E-07	2.68E-06	3.36E-06	6.25E-04	6.46E-04	1.94E-03	2.44E-04	1.15E-04	2.95E-03	6.45E-04	2.22E-07	2.68E-06	3.36E-06	6.51E-04
3067	474863.09	3845877.25	7.48E-04	2.03E-07	2.66E-06	3.49E-06	7.55E-04	7.81E-04	2.08E-03	2.42E-04	1.19E-04	3.22E-03	7.79E-04	2.38E-07	2.66E-06	3.49E-06	7.86E-04
3068	475363.09	3845877.25	1.06E-03	2.06E-07	2.66E-06	3.68E-06	1.06E-03	1.10E-03	2.11E-03	2.42E-04	1.26E-04	3.58E-03	1.10E-03	2.41E-07	2.66E-06	3.68E-06	1.11E-03
3069	475863.09	3845877.25	1.10E-03	1.97E-07	2.66E-06	3.75E-06	1.10E-03	1.15E-03	2.01E-03	2.42E-04	1.28E-04	3.53E-03	1.14E-03	2.30E-07	2.66E-06	3.75E-06	1.15E-03
3070	476363.09	3845877.25	1.01E-03	1.75E-07	2.76E-06	3.70E-06	1.02E-03	1.06E-03	1.78E-03	2.52E-04	1.27E-04	3.22E-03	1.06E-03	2.04E-07	2.76E-06	3.70E-06	1.06E-03
3071	476863.09	3845877.25	9.63E-04	1.55E-07	3.04E-06	3.68E-06	9.69E-04	1.00E-03	1.59E-03	2.77E-04	1.26E-04	2.99E-03	1.00E-03	1.82E-07	3.04E-06	3.68E-06	1.01E-03
3072	477363.09	3845877.25	7.02E-04	1.50E-07	3.49E-06	3.68E-06	7.09E-04	7.33E-04	1.53E-03	3.18E-04	1.26E-04	2.71E-03	7.31E-04	1.75E-07	3.49E-06	3.68E-06	7.39E-04
3073	477863.09	3845877.25	6.06E-04	1.40E-07	3.66E-06	3.68E-06	6.13E-04	6.32E-04	1.43E-03	3.34E-04	1.26E-04	2.52E-03	6.31E-04	1.64E-07	3.66E-06	3.68E-06	6.38E-04
3074	478363.09	3845877.25	6.52E-04	1.34E-07	3.53E-06	3.70E-06	6.59E-04	6.80E-04	1.37E-03	3.22E-04	1.27E-04	2.50E-03	6.79E-04	1.57E-07	3.53E-06	3.70E-06	6.86E-04
3075	478863.09	3845877.25	5.67E-04	1.24E-07	3.30E-06	3.75E-06	5.74E-04	5.92E-04	1.27E-03	3.01E-04	1.28E-04	2.29E-03	5.91E-04	1.45E-07	3.30E-06	3.75E-06	5.98E-04
3076	479363.09	3845877.25	5.40E-04	1.22E-07	3.21E-06	3.83E-06	5.47E-04	5.64E-04	1.25E-03	2.93E-04	1.31E-04	2.23E-03	5.62E-04	1.43E-07	3.21E-06	3.83E-06	5.70E-04
3077	479863.09	3845877.25	5.46E-04	1.20E-07	3.15E-06	3.96E-06	5.53E-04	5.70E-04	1.22E-03	2.87E-04	1.35E-04	2.22E-03	5.68E-04	1.40E-07	3.15E-06	3.96E-06	5.76E-04
3078	480363.09	3845877.25	4.80E-04	1.13E-07	3.10E-06	4.11E-06	4.88E-04	5.01E-04	1.15E-03	2.83E-04	1.41E-04	2.08E-03	5.00E-04	1.32E-07	3.10E-06	4.11E-06	5.08E-04
3079	480863.09	3845877.25	4.17E-04	1.03E-07	3.13E-06	4.22E-06	4.24E-04	4.35E-04	1.06E-03	2.85E-04	1.44E-04	1.92E-03	4.34E-04	1.21E-07	3.13E-06	4.22E-06	4.41E-04
3080	481363.09	3845877.25	3.63E-04	9.81E-08	3.30E-06	4.22E-06	3.70E-04	3.78E-04	1.00E-03	3.01E-04	1.44E-04	1.83E-03	3.78E-04	1.15E-07	3.30E-06	4.22E-06	3.85E-04
3081	481863.09	3845877.25	3.38E-04	9.35E-08	3.51E-06	4.15E-06	3.45E-04	3.52E-04	9.55E-04	3.20E-04	1.42E-04	1.77E-03	3.52E-04	1.09E-07	3.51E-06	4.15E-06	3.59E-04
3082	482363.09	3845877.25	3.22E-04	8.88E-08	3.74E-06	4.07E-06	3.30E-04	3.36E-04	9.07E-04	3.41E-04	1.39E-04	1.72E-03	3.35E-04	1.04E-07	3.74E-06	4.07E-06	3.43E-04
3083	482863.09	3845877.25	2.58E-04	7.96E-08	3.91E-06	4.00E-06	2.66E-04	2.70E-04	8.13E-04	3.57E-04	1.37E-04	1.58E-03	2.69E-04	9.31E-08	3.91E-06	4.00E-06	2.77E-04
3084	483363.09	3845877.25	2.35E-04	7.34E-08	4.17E-06	3.92E-06	2.44E-04	2.46E-04	7.50E-04	3.80E-04	1.34E-04	1.51E-03	2.45E-04	8.58E-08	4.17E-06	3.92E-06	2.53E-04
3085	483863.09	3845877.25	2.70E-04	7.88E-08	4.64E-06	4.09E-06	2.79E-04	2.82E-04	8.05E-04	4.23E-04	1.40E-04	1.65E-03	2.81E-04	9.22E-08	4.64E-06	4.09E-06	2.90E-04
3086	484363.09	3845877.25	2.64E-04	7.72E-08	4.93E-06	4.11E-06	2.73E-04	2.76E-04	7.89E-04	4.50E-04	1.41E-04	1.66E-03	2.75E-04	9.04E-08	4.93E-06	4.11E-06	2.84E-04
3087	484863.09	3845877.25	2.57E-04	7.49E-08	4.76E-06	4.05E-06	2.65E-04	2.68E-04	7.65E-04	4.34E-04	1.38E-04	1.61E-03	2.67E-04	8.76E-08	4.76E-06	4.05E-06	2.76E-04
3088	485363.09	3845877.25	2.43E-04	7.18E-08	4.34E-06	3.98E-06	2.51E-04	2.54E-04	7.34E-04	3.96E-04	1.36E-04	1.52E-03	2.53E-04	8.40E-08	4.34E-06	3.98E-06	2.62E-04
3089	485863.09	3845877.25	2.31E-04	7.18E-08	3.83E-06	3.92E-06	2.39E-04	2.42E-04	7.34E-04	3.49E-04	1.34E-04	1.46E-03	2.41E-04	8.40E-08	3.83E-06	3.92E-06	2.49E-04
3090	486363.09	3845877.25	2.26E-04	7.18E-08	3.47E-06	3.87E-06	2.33E-04	2.35E-04	7.34E-04	3.16E-04	1.33E-04	1.42E-03	2.35E-04	8.40E-08	3.47E-06	3.87E-06	2.42E-04
3091	486863.09	3845877.25	2.04E-04	6.87E-08	3.15E-06	3.81E-06	2.12E-04	2.13E-04	7.02E-04	2.87E-04	1.30E-04	1.33E-03	2.13E-04	8.04E-08	3.15E-06	3.81E-06	2.20E-04
3092	487363.09	3845877.25	2.01E-04	6.64E-08	2.91E-06	3.81E-06	2.07E-04	2.09E-04	6.79E-04	2.66E-04	1.30E-04	1.28E-03	2.09E-04	7.77E-08	2.91E-06	3.81E-06	2.16E-04
3093	487863.09	3845877.25	1.91E-04	6.26E-08	2.85E-06	3.79E-06	1.98E-04	1.99E-04	6.39E-04	2.60E-04	1.30E-04	1.23E-03	1.99E-04	7.32E-08	2.85E-06	3.79E-06	2.06E-04
3094	488363.09	3845877.25	1.89E-04	6.18E-08	2.89E-06	3.79E-06	1.96E-04	1.97E-04	6.31E-04	2.64E-04	1.30E-04	1.22E-03	1.97E-04	7.23E-08	2.89E-06	3.79E-06	2.04E-04
3095	488863.09	3845877.25	2.03E-04	6.57E-08	3.64E-06	3.94E-06	2.10E-04	2.11E-04	6.71E-04	3.32E-04	1.35E-04	1.35E-03	2.11E-04	7.68E-08	3.64E-06	3.94E-06	2.19E-04
3096	489363.09	3845877.25	2.04E-04	6.41E-08	3.81E-06	3.96E-06	2.12E-04	2.13E-04	6.55E-04	3.47E-04	1.35E-04	1.35E-03	2.13E-04	7.50E-08	3.81E-06	3.96E-06	2.21E-04
3097	489863.09	3845877.25	2.01E-04	6.33E-08	3.91E-06	3.96E-06	2.09E-04	2.09E-04	6.47E-04	3.57E-04	1.35E-04	1.35E-03	2.09E-04	7.41E-08	3.91E-06	3.96E-06	2.17E-04
3098	490363.09	3845877.25	1.89E-04	6.26E-08	3.44E-06	3.90E-06	1.96E-04	1.97E-04	6.39E-04	3.14E-04	1.33E-04	1.28E-03	1.97E-04	7.32E-08	3.44E-06	3.90E-06	2.04E-04
3099	490863.09	3845877.25	1.76E-04	5.87E-08	3.13E-06	3.75E-06	1.82E-04	1.83E-04	6.00E-04	2.85E-04	1.28E-04	1.20E-03	1.83E-04	6.87E-08	3.13E-06	3.75E-06	1.90E-04
3100	491363.09	3845877.25	1.85E-04	6.26E-08	3.27E-06	3.92E-06	1.92E-04	1.93E-04	6.39E-04	2.99E-04	1.34E-04	1.27E-03	1.93E-04	7.32E-08	3.27E-06	3.92E-06	2.00E-04
3101	491863.09	3845877.25	1.99E-04	6.57E-08	3.47E-06	4.09E-06	2.06E-04	2.07E-04	6.71E-04	3.16E-04	1.40E-04	1.33E-03	2.07E-04	7.68E-08	3.47E-06	4.09E-06	2.15E-04
3102	492363.09	3845877.25	1.97E-04	6.41E-08	3.30E-06	4.07E-06	2.04E-04	2.05E-04	6.55E-04	3.01E-04	1.39E-04	1.30E-03	2.05E-04	7.50E-08	3.30E-06	4.07E-06	2.12E-04
3103	492863.09	3845877.25	2.26E-04	7.11E-08	3.59E-06	4.39E-06	2.34E-04	2.35E-04	7.26E-04	3.28E-04	1.50E-04	1.44E-03	2.35E-04	8.31E-08	3.59E-06	4.39E-06	2.43E-04
3104	493363.09	3845877.25	2.39E-04	7.41E-08	3.57E-06	4.56E-06	2.47E-04	2.50E-04	7.58E-04	3.26E-04	1.56E-04	1.49E-03	2.49E-04	8.67E-08	3.57E-06	4.56E-06	2.57E-04
3105	493863.09	3845877.25	2.57E-04	7.65E-08	3.47E-06	4.76E-06	2.65E-04	2.68E-04	7.81E-04	3.16E-04	1.63E-04	1.53E-03	2.67E-04	8.95E-08	3.47E-06	4.76E-06	2.75E-04
3106	494363.09	3845877.25	2.78E-04	7.80E-08	3.38E-06	4.87E-06	2.86E-04	2.90E-04	7.97E-04	3.08E-04	1.66E-04	1.56E-03	2.89E-04	9.13E-08	3.38E-06	4.87E-06	2.98E-04
3107	494863.09	3845877.25	2.87E-04	8.03E-08	3.44E-06	4.99E-06	2.96E-04	3.00E-04	8.21E-04	3.14E-04	1.71E-04	1.61E-03	2.99E-04	9.40E-08	3.44E-06	4.99E-06	3.08E-04

3108	495363.09	3845877.25	3.09E-04	8.42E-08	3.57E-06	5.10E-06	3.17E-04	3.22E-04	8.60E-04	3.26E-04	1.74E-04	1.68E-03	3.21E-04	9.85E-08	3.57E-06	5.10E-06	3.30E-04
3109	495863.09	3845877.25	3.24E-04	8.96E-08	3.61E-06	5.23E-06	3.33E-04	3.38E-04	9.15E-04	3.30E-04	1.79E-04	1.76E-03	3.37E-04	1.05E-07	3.61E-06	5.23E-06	3.46E-04
3110	496363.09	3845877.25	3.38E-04	9.42E-08	3.74E-06	5.38E-06	3.47E-04	3.52E-04	9.63E-04	3.41E-04	1.84E-04	1.84E-03	3.52E-04	1.10E-07	3.74E-06	5.38E-06	3.61E-04
3111	496863.09	3845877.25	3.49E-04	9.96E-08	4.04E-06	5.51E-06	3.59E-04	3.64E-04	1.02E-03	3.68E-04	1.88E-04	1.94E-03	3.64E-04	1.17E-07	4.04E-06	5.51E-06	3.73E-04
3112	497363.09	3845877.25	3.67E-04	1.04E-07	4.46E-06	5.66E-06	3.77E-04	3.82E-04	1.07E-03	4.07E-04	1.94E-04	2.05E-03	3.82E-04	1.22E-07	4.46E-06	5.66E-06	3.92E-04
3113	497863.09	3845877.25	3.88E-04	1.09E-07	4.93E-06	5.83E-06	3.99E-04	4.05E-04	1.11E-03	4.50E-04	2.00E-04	2.17E-03	4.04E-04	1.27E-07	4.93E-06	5.83E-06	4.15E-04
3114	498363.09	3845877.25	4.11E-04	1.14E-07	5.38E-06	6.03E-06	4.22E-04	4.29E-04	1.16E-03	4.91E-04	2.06E-04	2.29E-03	4.28E-04	1.33E-07	5.38E-06	6.03E-06	4.39E-04
3115	471363.09	3846377.25	8.66E-04	2.22E-07	2.70E-06	3.77E-06	8.73E-04	9.04E-04	2.26E-03	2.46E-04	1.29E-04	3.54E-03	9.02E-04	2.59E-07	2.70E-06	3.77E-06	9.09E-04
3116	471863.09	3846377.25	8.24E-04	1.89E-07	2.70E-06	3.75E-06	8.30E-04	8.59E-04	1.93E-03	2.46E-04	1.28E-04	3.17E-03	8.58E-04	2.21E-07	2.70E-06	3.75E-06	8.64E-04
3117	472363.09	3846377.25	6.37E-04	1.37E-07	2.59E-06	3.64E-06	6.43E-04	6.64E-04	1.40E-03	2.37E-04	1.24E-04	2.43E-03	6.63E-04	1.61E-07	2.59E-06	3.64E-06	6.69E-04
3118	472863.09	3846377.25	6.35E-04	1.42E-07	2.68E-06	3.60E-06	6.41E-04	6.62E-04	1.45E-03	2.44E-04	1.23E-04	2.48E-03	6.61E-04	1.66E-07	2.68E-06	3.60E-06	6.67E-04
3119	473363.09	3846377.25	6.35E-04	1.51E-07	2.79E-06	3.55E-06	6.41E-04	6.62E-04	1.55E-03	2.54E-04	1.21E-04	2.58E-03	6.61E-04	1.77E-07	2.79E-06	3.55E-06	6.67E-04
3120	473863.09	3846377.25	6.15E-04	1.81E-07	2.85E-06	3.51E-06	6.22E-04	6.42E-04	1.85E-03	2.60E-04	1.20E-04	2.87E-03	6.41E-04	2.11E-07	2.85E-06	3.51E-06	6.47E-04
3121	474363.09	3846377.25	6.37E-04	2.05E-07	2.85E-06	3.51E-06	6.43E-04	6.64E-04	2.09E-03	2.60E-04	1.20E-04	3.14E-03	6.63E-04	2.39E-07	2.85E-06	3.51E-06	6.70E-04
3122	474863.09	3846377.25	7.25E-04	2.28E-07	2.85E-06	3.57E-06	7.32E-04	7.57E-04	2.33E-03	2.60E-04	1.22E-04	3.47E-03	7.55E-04	2.67E-07	2.85E-06	3.57E-06	7.62E-04
3123	475363.09	3846377.25	8.64E-04	2.32E-07	2.81E-06	3.72E-06	8.71E-04	9.02E-04	2.38E-03	2.56E-04	1.27E-04	3.66E-03	9.00E-04	2.72E-07	2.81E-06	3.72E-06	9.07E-04
3124	475863.09	3846377.25	1.20E-03	2.33E-07	2.79E-06	3.94E-06	1.21E-03	1.25E-03	2.38E-03	2.54E-04	1.35E-04	4.03E-03	1.25E-03	2.73E-07	2.79E-06	3.94E-06	1.26E-03
3125	476363.09	3846377.25	1.21E-03	2.12E-07	2.79E-06	3.92E-06	1.21E-03	1.26E-03	2.16E-03	2.54E-04	1.34E-04	3.81E-03	1.26E-03	2.48E-07	2.79E-06	3.92E-06	1.26E-03
3126	476863.09	3846377.25	1.12E-03	1.85E-07	2.91E-06	3.87E-06	1.13E-03	1.17E-03	1.89E-03	2.66E-04	1.33E-04	3.46E-03	1.17E-03	2.16E-07	2.91E-06	3.87E-06	1.18E-03
3127	477363.09	3846377.25	1.04E-03	1.69E-07	3.27E-06	3.87E-06	1.05E-03	1.09E-03	1.73E-03	2.99E-04	1.33E-04	3.25E-03	1.08E-03	1.98E-07	3.27E-06	3.87E-06	1.09E-03
3128	477863.09	3846377.25	7.29E-04	1.59E-07	3.72E-06	3.90E-06	7.37E-04	7.61E-04	1.63E-03	3.39E-04	1.33E-04	2.86E-03	7.59E-04	1.86E-07	3.72E-06	3.90E-06	7.67E-04
3129	478363.09	3846377.25	6.93E-04	1.51E-07	3.91E-06	3.94E-06	7.01E-04	7.23E-04	1.55E-03	3.57E-04	1.35E-04	2.76E-03	7.21E-04	1.77E-07	3.91E-06	3.94E-06	7.29E-04
3130	478863.09	3846377.25	7.29E-04	1.45E-07	3.76E-06	3.94E-06	7.37E-04	7.61E-04	1.48E-03	3.43E-04	1.35E-04	2.72E-03	7.59E-04	1.70E-07	3.76E-06	3.94E-06	7.67E-04
3131	479363.09	3846377.25	6.39E-04	1.37E-07	3.47E-06	3.98E-06	6.46E-04	6.66E-04	1.40E-03	3.16E-04	1.36E-04	2.52E-03	6.65E-04	1.60E-07	3.47E-06	3.98E-06	6.73E-04
3132	479863.09	3846377.25	5.90E-04	1.29E-07	3.34E-06	4.09E-06	5.98E-04	6.16E-04	1.32E-03	3.04E-04	1.40E-04	2.38E-03	6.15E-04	1.51E-07	3.34E-06	4.09E-06	6.22E-04
3133	480363.09	3846377.25	6.15E-04	1.31E-07	3.32E-06	4.26E-06	6.23E-04	6.42E-04	1.34E-03	3.02E-04	1.46E-04	2.43E-03	6.41E-04	1.54E-07	3.32E-06	4.26E-06	6.49E-04
3134	480863.09	3846377.25	5.00E-04	1.17E-07	3.27E-06	4.39E-06	5.07E-04	5.21E-04	1.20E-03	2.99E-04	1.50E-04	2.17E-03	5.20E-04	1.37E-07	3.27E-06	4.39E-06	5.28E-04
3135	481363.09	3846377.25	4.44E-04	1.10E-07	3.36E-06	4.46E-06	4.52E-04	4.63E-04	1.12E-03	3.06E-04	1.52E-04	2.04E-03	4.62E-04	1.28E-07	3.36E-06	4.46E-06	4.70E-04
3136	481863.09	3846377.25	3.82E-04	1.04E-07	3.55E-06	4.37E-06	3.90E-04	3.99E-04	1.07E-03	3.24E-04	1.49E-04	1.94E-03	3.98E-04	1.22E-07	3.55E-06	4.37E-06	4.06E-04
3137	482363.09	3846377.25	3.59E-04	9.65E-08	3.78E-06	4.26E-06	3.67E-04	3.74E-04	9.86E-04	3.45E-04	1.46E-04	1.85E-03	3.74E-04	1.13E-07	3.78E-06	4.26E-06	3.82E-04
3138	482863.09	3846377.25	3.05E-04	8.80E-08	4.00E-06	4.22E-06	3.13E-04	3.18E-04	9.00E-04	3.65E-04	1.44E-04	1.73E-03	3.17E-04	1.03E-07	4.00E-06	4.22E-06	3.26E-04
3139	483363.09	3846377.25	3.13E-04	8.88E-08	4.32E-06	4.24E-06	3.21E-04	3.26E-04	9.07E-04	3.94E-04	1.45E-04	1.77E-03	3.25E-04	1.04E-07	4.32E-06	4.24E-06	3.34E-04
3140	483863.09	3846377.25	3.07E-04	8.65E-08	4.74E-06	4.28E-06	3.16E-04	3.20E-04	8.84E-04	4.32E-04	1.47E-04	1.78E-03	3.19E-04	1.01E-07	4.74E-06	4.28E-06	3.29E-04
3141	484363.09	3846377.25	2.78E-04	8.11E-08	5.02E-06	4.28E-06	2.87E-04	2.90E-04	8.29E-04	4.58E-04	1.47E-04	1.72E-03	2.89E-04	9.49E-08	5.02E-06	4.28E-06	2.99E-04
3142	484863.09	3846377.25	2.95E-04	8.34E-08	5.17E-06	4.31E-06	3.05E-04	3.08E-04	8.52E-04	4.71E-04	1.47E-04	1.78E-03	3.07E-04	9.76E-08	5.17E-06	4.31E-06	3.17E-04
3143	485363.09	3846377.25	2.89E-04	8.19E-08	4.87E-06	4.26E-06	2.99E-04	3.02E-04	8.36E-04	4.44E-04	1.46E-04	1.73E-03	3.01E-04	9.58E-08	4.87E-06	4.26E-06	3.11E-04
3144	485863.09	3846377.25	2.58E-04	7.80E-08	4.15E-06	4.15E-06	2.67E-04	2.70E-04	7.97E-04	3.78E-04	1.42E-04	1.59E-03	2.69E-04	9.13E-08	4.15E-06	4.15E-06	2.78E-04
3145	486363.09	3846377.25	2.24E-04	7.34E-08	3.61E-06	4.03E-06	2.31E-04	2.33E-04	7.50E-04	3.30E-04	1.38E-04	1.45E-03	2.33E-04	8.58E-08	3.61E-06	4.03E-06	2.41E-04
3146	486863.09	3846377.25	2.12E-04	7.11E-08	3.25E-06	3.98E-06	2.20E-04	2.21E-04	7.26E-04	2.97E-04	1.36E-04	1.38E-03	2.21E-04	8.31E-08	3.25E-06	3.98E-06	2.28E-04
3147	487363.09	3846377.25	2.14E-04	6.95E-08	3.08E-06	4.03E-06	2.21E-04	2.23E-04	7.10E-04	2.81E-04	1.38E-04	1.35E-03	2.23E-04	8.13E-08	3.08E-06	4.03E-06	2.30E-04
3148	487863.09	3846377.25	2.30E-04	7.18E-08	3.19E-06	4.11E-06	2.37E-04	2.40E-04	7.34E-04	2.91E-04	1.41E-04	1.40E-03	2.39E-04	8.40E-08	3.19E-06	4.11E-06	2.46E-04
3149	488363.09	3846377.25	2.28E-04	7.11E-08	3.51E-06	4.15E-06	2.35E-04	2.38E-04	7.26E-04	3.20E-04	1.42E-04	1.43E-03	2.37E-04	8.31E-08	3.51E-06	4.15E-06	2.45E-04
3150	488863.09	3846377.25	2.20E-04	7.03E-08	3.93E-06	4.20E-06	2.28E-04	2.29E-04	7.18E-04	3.59E-04	1.44E-04	1.45E-03	2.29E-04	8.22E-08	3.93E-06	4.20E-06	2.37E-04
3151	489363.09	3846377.25	2.24E-04	6.95E-08	4.32E-06	4.22E-06	2.32E-04	2.33E-04	7.10E-04	3.94E-04	1.44E-04	1.48E-03	2.33E-04	8.13E-08	4.32E-06	4.22E-06	2.42E-04
3152	489863.09	3846377.25	2.18E-04	6.95E-08	4.12E-06	4.20E-06	2.26E-04	2.27E-04	7.10E-04	3.76E-04	1.44E-04	1.46E-03	2.27E-04	8.13E-08	4.12E-06	4.20E-06	2.35E-04
3153	490363.09	3846377.25	1.99E-04	6.57E-08	3.51E-06	4.07E-06	2.06E-04	2.07E-04	6.71E-04	3.20E-04	1.39E-04	1.34E-03	2.07E-04	7.68E-08	3.51E-06	4.07E-06	2.15E-04
3154	490863.09	3846377.25	1.93E-04	6.41E-08	3.36E-06	4.07E-06	2.00E-04	2.01E-04	6.55E-04	3.06E-04	1.39E-04	1.30E-03	2.01E-04	7.50E-08	3.36E-06	4.07E-06	2.08E-04
3155	491363.09	3846377.25	1.97E-04	6.57E-08	3.38E-06	4.13E-06	2.04E-04	2.05E-04	6.71E-04	3.08E-04	1.41E-04	1.33E-03	2.05E-04	7.68E-08	3.38E-06	4.13E-06	2.12E-04
3156	491863.09	3846377.25	2.24E-04	7.18E-08	3.74E-06	4.41E-06	2.32E-04	2.33E-04	7.34E-04	3.41E-04	1.51E-04	1.46E-03	2.33E-04	8.40E-08	3.74E-06	4.41E-06	2.41E-04
3157	492363.09	3846377.25	2.31E-04	7.34E-08	3.74E-06	4.52E-06	2.40E-04	2.42E-04	7.50E-04	3.41E-04	1.55E-04	1.49E-03	2.41E-04	8.58E-08	3.74E-06	4.52E-06	2.49E-04
3158	492863.09	3846377.25	2.41E-04	7.49E-08	3.68E-06	4.69E-06	2.50E-04	2.52E-04	7.65E-04	3.35E-04	1.61E-04	1.51E-03	2.51E-04	8.76E-08	3.68E-06	4.69E-06	2.60E-04
3159	493363.09	3846377.25	2.64E-04	7.96E-08	3.68E-06	4.93E-06	2.73E-04	2.76E-04	8.13E-04	3.35E-04	1.69E-04	1.59E-03	2.75E-04	9.31E-08	3.68E-06	4.93E-06	2.84E-04
3160	493863.09	3846377.25	2.85E-04	8.19E-08	3.55E-06	5.10E-06	2.94E-04	2.98E-04	8.36E-04	3.24E-04	1.74E-04	1.63E-03	2.97E-04	9.58E-08	3.55E-06	5.10E-06	3.06E-04
3161	494363.09	3846377.25	3.07E-04	8.42E-08	3.55E-06	5.23E-06	3.16E-04	3.20E-04	8.60E-04	3.24E-04	1.79E-04	1.68E-03	3.19E-04	9.85E-08	3.55E-06	5.23E-06	3.28E-04
3162	494863.09	3846377.25	3.26E-04	8.80E-08	3.70E-06	5.36E-06	3.35E-04	3.40E-04	9.00E-04	3.37E-04	1.83E-04	1.76E-03	3.39E-04	1.03E-07	3.70E-06	5.36E-06	3.49E-04
3163	495363.09	3846377.25	3.41E-04	9.35E-08	3.74E-06	5.49E-06	3.51E-04	3.56E-04	9.55E-04	3.41E-04	1.88E-04	1.84E-03	3.56E-04	1.09E-07	3.74E-06	5.49E-06	3.65E-04
3164	495863.09	3846377.25	3.57E-04	9.89E-08	3.85E-06	5.66E-06	3.66E-04	3.72E-04	1.01E-03	3.51E-04	1.94E-04	1.93E-03	3.72E-04	1.16E-07	3.85E-06	5.66E-06	3.81E-04
3165	496363.09	3846377.25	3.76E-04	1.05E-07	4.12E-06	5.81E-06	3.86E-04	3.92E-04	1.07E-03	3.76E-04	1.99E-04	2.04E-03	3.92E-04	1.23E-07	4.12E-06	5.81E-06	4.02E-04
3166	496863.09	3846377.25	3.99E-04	1.11E-07	4.55E-06	5.98E-06	4.10E-04	4.17E-04	1.14E-03	4.15E-04	2.05E-04	2.17E-03	4.16E-04	1.30E-07	4.55E-06	5.98E-06	4.26E-04
3167	497363.09	3846377.25	4.26E-04	1.17E-07	5.10E-06	6.16E-06	4.38E-04	4.45E-04	1.20E-03	4.65E-04	2.11E-04	2.32E-03	4.44E-04	1.37E-07	5.10E-06	6.16E-06	4.55E-04
3168	497863.09	3846377.25	4.51E-04	1.24E-07	5.66E-06	6.37E-06	4.64E-04	4.71E-04	1.26E-03	5.16E-04	2.18E-04	2.47E-03	4.70E-04	1.45E-07	5.66E-06	6.37E-06	4.82E-04

3169	498363.09	3846377.25	4.76E-04	1.30E-07	6.06E-06	6.59E-06	4.89E-04	4.97E-04	1.33E-03	5.53E-04	2.25E-04	2.60E-03	4.96E-04	1.52E-07	6.06E-06	6.59E-06	5.09E-04
3170	471363.09	3846877.25	9.76E-04	2.54E-07	2.79E-06	3.85E-06	9.83E-04	1.02E-03	2.60E-03	2.54E-04	1.32E-04	4.00E-03	1.02E-03	2.97E-07	2.79E-06	3.85E-06	1.02E-03
3171	471863.09	3846877.25	9.61E-04	2.46E-07	2.79E-06	3.92E-06	9.68E-04	1.00E-03	2.52E-03	2.54E-04	1.34E-04	3.91E-03	1.00E-03	2.88E-07	2.79E-06	3.92E-06	1.01E-03
3172	472363.09	3846877.25	9.24E-04	2.20E-07	2.83E-06	3.92E-06	9.31E-04	9.64E-04	2.25E-03	2.58E-04	1.34E-04	3.60E-03	9.62E-04	2.58E-07	2.83E-06	3.92E-06	9.69E-04
3173	472863.09	3846877.25	6.83E-04	1.45E-07	2.66E-06	3.81E-06	6.89E-04	7.13E-04	1.48E-03	2.42E-04	1.30E-04	2.57E-03	7.11E-04	1.70E-07	2.66E-06	3.81E-06	7.18E-04
3174	473363.09	3846877.25	7.29E-04	1.59E-07	2.79E-06	3.79E-06	7.36E-04	7.61E-04	1.63E-03	2.54E-04	1.30E-04	2.77E-03	7.59E-04	1.86E-07	2.79E-06	3.79E-06	7.66E-04
3175	473863.09	3846877.25	7.77E-04	1.85E-07	2.93E-06	3.75E-06	7.84E-04	8.11E-04	1.89E-03	2.68E-04	1.28E-04	3.10E-03	8.10E-04	2.17E-07	2.93E-06	3.75E-06	8.16E-04
3176	474363.09	3846877.25	7.23E-04	2.09E-07	2.98E-06	3.70E-06	7.30E-04	7.55E-04	2.13E-03	2.71E-04	1.27E-04	3.28E-03	7.53E-04	2.44E-07	2.98E-06	3.70E-06	7.60E-04
3177	474863.09	3846877.25	7.08E-04	2.32E-07	3.00E-06	3.68E-06	7.15E-04	7.39E-04	2.37E-03	2.73E-04	1.26E-04	3.51E-03	7.37E-04	2.71E-07	3.00E-06	3.68E-06	7.44E-04
3178	475363.09	3846877.25	7.72E-04	2.37E-07	2.96E-06	3.75E-06	7.79E-04	8.05E-04	2.42E-03	2.70E-04	1.28E-04	3.63E-03	8.04E-04	2.77E-07	2.96E-06	3.75E-06	8.11E-04
3179	475863.09	3846877.25	9.59E-04	2.56E-07	2.93E-06	3.96E-06	9.66E-04	1.00E-03	2.61E-03	2.68E-04	1.35E-04	4.02E-03	9.98E-04	2.99E-07	2.93E-06	3.96E-06	1.01E-03
3180	476363.09	3846877.25	1.31E-03	2.50E-07	2.89E-06	4.13E-06	1.32E-03	1.37E-03	2.56E-03	2.64E-04	1.41E-04	4.33E-03	1.37E-03	2.93E-07	2.89E-06	4.13E-06	1.37E-03
3181	476863.09	3846877.25	1.32E-03	2.29E-07	2.91E-06	4.11E-06	1.33E-03	1.38E-03	2.34E-03	2.66E-04	1.41E-04	4.12E-03	1.38E-03	2.67E-07	2.91E-06	4.11E-06	1.39E-03
3182	477363.09	3846877.25	1.26E-03	1.97E-07	3.06E-06	4.09E-06	1.26E-03	1.31E-03	2.01E-03	2.79E-04	1.40E-04	3.74E-03	1.31E-03	2.30E-07	3.06E-06	4.09E-06	1.32E-03
3183	477863.09	3846877.25	1.09E-03	1.82E-07	3.49E-06	4.11E-06	1.10E-03	1.14E-03	1.85E-03	3.18E-04	1.41E-04	3.45E-03	1.14E-03	2.12E-07	3.49E-06	4.11E-06	1.15E-03
3184	478363.09	3846877.25	7.99E-04	1.75E-07	4.10E-06	4.15E-06	8.07E-04	8.33E-04	1.79E-03	3.74E-04	1.42E-04	3.14E-03	8.32E-04	2.05E-07	4.10E-06	4.15E-06	8.40E-04
3185	478863.09	3846877.25	8.47E-04	1.72E-07	4.40E-06	4.20E-06	8.56E-04	8.84E-04	1.76E-03	4.01E-04	1.44E-04	3.19E-03	8.82E-04	2.02E-07	4.40E-06	4.20E-06	8.91E-04
3186	479363.09	3846877.25	7.95E-04	1.56E-07	3.98E-06	4.20E-06	8.03E-04	8.29E-04	1.59E-03	3.63E-04	1.44E-04	2.93E-03	8.28E-04	1.83E-07	3.98E-06	4.20E-06	8.36E-04
3187	479863.09	3846877.25	5.96E-04	1.32E-07	3.49E-06	4.20E-06	6.04E-04	6.22E-04	1.35E-03	3.18E-04	1.44E-04	2.43E-03	6.21E-04	1.55E-07	3.49E-06	4.20E-06	6.29E-04
3188	480363.09	3846877.25	5.23E-04	1.22E-07	3.36E-06	4.33E-06	5.31E-04	5.45E-04	1.25E-03	3.06E-04	1.48E-04	2.25E-03	5.44E-04	1.43E-07	3.36E-06	4.33E-06	5.52E-04
3189	480863.09	3846877.25	4.94E-04	1.17E-07	3.32E-06	4.48E-06	5.02E-04	5.15E-04	1.19E-03	3.02E-04	1.53E-04	2.16E-03	5.14E-04	1.36E-07	3.32E-06	4.48E-06	5.22E-04
3190	481363.09	3846877.25	4.80E-04	1.15E-07	3.40E-06	4.61E-06	4.88E-04	5.01E-04	1.18E-03	3.10E-04	1.58E-04	2.14E-03	5.00E-04	1.35E-07	3.40E-06	4.61E-06	5.08E-04
3191	481863.09	3846877.25	4.30E-04	1.13E-07	3.57E-06	4.61E-06	4.38E-04	4.49E-04	1.15E-03	3.26E-04	1.58E-04	2.08E-03	4.48E-04	1.32E-07	3.57E-06	4.61E-06	4.56E-04
3192	482363.09	3846877.25	3.82E-04	1.02E-07	3.81E-06	4.48E-06	3.90E-04	3.99E-04	1.04E-03	3.47E-04	1.53E-04	1.94E-03	3.98E-04	1.19E-07	3.81E-06	4.48E-06	4.06E-04
3193	482863.09	3846877.25	3.74E-04	9.96E-08	4.10E-06	4.43E-06	3.83E-04	3.90E-04	1.02E-03	3.74E-04	1.52E-04	1.93E-03	3.90E-04	1.17E-07	4.10E-06	4.43E-06	3.98E-04
3194	483363.09	3846877.25	3.65E-04	9.65E-08	4.44E-06	4.43E-06	3.74E-04	3.80E-04	9.86E-04	4.05E-04	1.52E-04	1.92E-03	3.80E-04	1.13E-07	4.44E-06	4.43E-06	3.89E-04
3195	483863.09	3846877.25	3.57E-04	9.42E-08	4.81E-06	4.50E-06	3.66E-04	3.72E-04	9.63E-04	4.38E-04	1.54E-04	1.93E-03	3.72E-04	1.10E-07	4.81E-06	4.50E-06	3.81E-04
3196	484363.09	3846877.25	3.38E-04	9.35E-08	5.23E-06	4.52E-06	3.47E-04	3.52E-04	9.55E-04	4.77E-04	1.55E-04	1.94E-03	3.52E-04	1.09E-07	5.23E-06	4.52E-06	3.61E-04
3197	484863.09	3846877.25	3.28E-04	9.04E-08	5.44E-06	4.54E-06	3.38E-04	3.42E-04	9.23E-04	4.96E-04	1.55E-04	1.92E-03	3.41E-04	1.06E-07	5.44E-06	4.54E-06	3.52E-04
3198	485363.09	3846877.25	3.24E-04	8.88E-08	5.21E-06	4.50E-06	3.34E-04	3.38E-04	9.07E-04	4.75E-04	1.54E-04	1.87E-03	3.37E-04	1.04E-07	5.21E-06	4.50E-06	3.47E-04
3199	485863.09	3846877.25	2.91E-04	8.50E-08	4.51E-06	4.39E-06	3.00E-04	3.04E-04	8.68E-04	4.11E-04	1.50E-04	1.73E-03	3.03E-04	9.94E-08	4.51E-06	4.39E-06	3.12E-04
3200	486363.09	3846877.25	2.89E-04	8.80E-08	4.04E-06	4.35E-06	2.98E-04	3.02E-04	9.00E-04	3.68E-04	1.49E-04	1.72E-03	3.01E-04	1.03E-07	4.04E-06	4.35E-06	3.10E-04
3201	486863.09	3846877.25	2.57E-04	8.19E-08	3.61E-06	4.28E-06	2.65E-04	2.68E-04	8.36E-04	3.30E-04	1.47E-04	1.58E-03	2.67E-04	9.58E-08	3.61E-06	4.28E-06	2.75E-04
3202	487363.09	3846877.25	2.57E-04	7.96E-08	3.38E-06	4.31E-06	2.64E-04	2.68E-04	8.13E-04	3.08E-04	1.47E-04	1.54E-03	2.67E-04	9.31E-08	3.38E-06	4.31E-06	2.75E-04
3203	487863.09	3846877.25	2.55E-04	7.72E-08	3.44E-06	4.35E-06	2.63E-04	2.66E-04	7.89E-04	3.14E-04	1.49E-04	1.52E-03	2.65E-04	9.04E-08	3.44E-06	4.35E-06	2.73E-04
3204	488363.09	3846877.25	2.45E-04	7.65E-08	3.70E-06	4.39E-06	2.53E-04	2.56E-04	7.81E-04	3.37E-04	1.50E-04	1.52E-03	2.55E-04	8.95E-08	3.70E-06	4.39E-06	2.63E-04
3205	488863.09	3846877.25	2.43E-04	7.57E-08	4.15E-06	4.43E-06	2.52E-04	2.54E-04	7.73E-04	3.78E-04	1.52E-04	1.56E-03	2.53E-04	8.86E-08	4.15E-06	4.43E-06	2.62E-04
3206	489363.09	3846877.25	2.47E-04	7.57E-08	4.55E-06	4.48E-06	2.56E-04	2.58E-04	7.73E-04	4.15E-04	1.53E-04	1.60E-03	2.57E-04	8.86E-08	4.55E-06	4.48E-06	2.66E-04
3207	489863.09	3846877.25	2.41E-04	7.65E-08	4.68E-06	4.48E-06	2.50E-04	2.52E-04	7.81E-04	4.27E-04	1.53E-04	1.61E-03	2.51E-04	8.95E-08	4.68E-06	4.48E-06	2.60E-04
3208	490363.09	3846877.25	2.20E-04	7.26E-08	4.10E-06	4.43E-06	2.29E-04	2.29E-04	7.42E-04	3.74E-04	1.52E-04	1.50E-03	2.29E-04	8.49E-08	4.10E-06	4.43E-06	2.38E-04
3209	490863.09	3846877.25	2.20E-04	7.26E-08	3.85E-06	4.46E-06	2.28E-04	2.29E-04	7.42E-04	3.51E-04	1.52E-04	1.47E-03	2.29E-04	8.49E-08	3.85E-06	4.46E-06	2.37E-04
3210	491363.09	3846877.25	2.33E-04	7.49E-08	3.81E-06	4.59E-06	2.42E-04	2.44E-04	7.65E-04	3.47E-04	1.57E-04	1.51E-03	2.43E-04	8.76E-08	3.81E-06	4.59E-06	2.52E-04
3211	491863.09	3846877.25	2.39E-04	7.49E-08	3.83E-06	4.67E-06	2.48E-04	2.50E-04	7.65E-04	3.49E-04	1.60E-04	1.52E-03	2.49E-04	8.76E-08	3.83E-06	4.67E-06	2.58E-04
3212	492363.09	3846877.25	2.68E-04	8.19E-08	4.06E-06	5.02E-06	2.77E-04	2.80E-04	8.36E-04	3.70E-04	1.72E-04	1.66E-03	2.79E-04	9.58E-08	4.06E-06	5.02E-06	2.88E-04
3213	492863.09	3846877.25	2.80E-04	8.42E-08	3.95E-06	5.17E-06	2.89E-04	2.92E-04	8.60E-04	3.61E-04	1.77E-04	1.69E-03	2.91E-04	9.85E-08	3.95E-06	5.17E-06	3.00E-04
3214	493363.09	3846877.25	3.05E-04	8.73E-08	3.83E-06	5.36E-06	3.14E-04	3.18E-04	8.92E-04	3.49E-04	1.83E-04	1.74E-03	3.17E-04	1.02E-07	3.83E-06	5.36E-06	3.27E-04
3215	493863.09	3846877.25	3.24E-04	8.96E-08	3.78E-06	5.51E-06	3.33E-04	3.38E-04	9.15E-04	3.45E-04	1.88E-04	1.79E-03	3.37E-04	1.05E-07	3.78E-06	5.51E-06	3.47E-04
3216	494363.09	3846877.25	3.41E-04	9.19E-08	3.81E-06	5.64E-06	3.51E-04	3.56E-04	9.39E-04	3.47E-04	1.93E-04	1.84E-03	3.56E-04	1.08E-07	3.81E-06	5.64E-06	3.65E-04
3217	494863.09	3846877.25	3.59E-04	9.73E-08	3.89E-06	5.75E-06	3.69E-04	3.74E-04	9.94E-04	3.55E-04	1.97E-04	1.92E-03	3.74E-04	1.14E-07	3.89E-06	5.75E-06	3.83E-04
3218	495363.09	3846877.25	3.70E-04	1.03E-07	3.95E-06	5.90E-06	3.80E-04	3.86E-04	1.05E-03	3.61E-04	2.02E-04	2.00E-03	3.86E-04	1.20E-07	3.95E-06	5.90E-06	3.96E-04
3219	495863.09	3846877.25	3.86E-04	1.08E-07	4.17E-06	6.07E-06	3.96E-04	4.03E-04	1.10E-03	3.80E-04	2.08E-04	2.09E-03	4.02E-04	1.27E-07	4.17E-06	6.07E-06	4.12E-04
3220	496363.09	3846877.25	4.13E-04	1.14E-07	4.61E-06	6.26E-06	4.24E-04	4.31E-04	1.17E-03	4.21E-04	2.14E-04	2.23E-03	4.30E-04	1.34E-07	4.61E-06	6.26E-06	4.41E-04
3221	496863.09	3846877.25	4.46E-04	1.22E-07	5.15E-06	6.50E-06	4.57E-04	4.65E-04	1.25E-03	4.69E-04	2.22E-04	2.40E-03	4.64E-04	1.43E-07	5.15E-06	6.50E-06	4.76E-04
3222	497363.09	3846877.25	4.90E-04	1.31E-07	5.80E-06	6.74E-06	5.03E-04	5.11E-04	1.34E-03	5.29E-04	2.30E-04	2.61E-03	5.10E-04	1.54E-07	5.80E-06	6.74E-06	5.23E-04
3223	497863.09	3846877.25	5.34E-04	1.41E-07	6.51E-06	6.97E-06	5.48E-04	5.58E-04	1.44E-03	5.93E-04	2.39E-04	2.83E-03	5.56E-04	1.64E-07	6.51E-06	6.97E-06	5.70E-04
3224	498363.09	3846877.25	5.61E-04	1.48E-07	6.91E-06	7.21E-06	5.76E-04	5.86E-04	1.51E-03	6.30E-04	2.47E-04	2.97E-03	5.85E-04	1.73E-07	6.91E-06	7.21E-06	5.99E-04
3225	471363.09	3847377.25	1.04E-03	2.75E-07	3.00E-06	3.98E-06	1.05E-03	1.08E-03	2.81E-03	2.73E-04	1.36E-04	4.30E-03	1.08E-03	3.22E-07	3.00E-06	3.98E-06	1.09E-03
3226	471863.09	3847377.25	1.06E-03	2.77E-07	2.93E-06	4.03E-06	1.07E-03	1.11E-03	2.82E-03	2.68E-04	1.38E-04	4.34E-03	1.11E-03	3.23E-07	2.93E-06	4.03E-06	1.11E-03
3227	472363.09	3847377.25	1.06E-03	2.70E-07	2.91E-06	4.09E-06	1.07E-03	1.11E-03	2.75E-03	2.66E-04	1.40E-04	4.27E-03	1.10E-03	3.15E-07	2.91E-06	4.09E-06	1.11E-03
3228	472863.09	3847377.25	1.02E-03	2.43E-07	2.91E-06	4.11E-06	1.03E-03	1.06E-03	2.49E-03	2.66E-04	1.41E-04	3.96E-03	1.06E-03	2.85E-07	2.91E-06	4.11E-06	1.07E-03
3229	473363.09	3847377.25	8.85E-04	1.86E-07	2.85E-06	4.03E-06	8.92E-04	9.24E-04	1.90E-03	2.60E-04	1.38E-04	3.22E-03	9.22E-04	2.18E-07	2.85E-06	4.03E-06	9.29E-04

3230	473863.09	3847377.25	8.74E-04	1.87E-07	2.93E-06	4.00E-06	8.81E-04	9.12E-04	1.91E-03	2.68E-04	1.37E-04	3.23E-03	9.10E-04	2.19E-07	2.93E-06	4.00E-06	9.17E-04
3231	474363.09	3847377.25	9.03E-04	2.15E-07	3.06E-06	3.96E-06	9.10E-04	9.42E-04	2.20E-03	2.79E-04	1.35E-04	3.56E-03	9.40E-04	2.52E-07	3.06E-06	3.96E-06	9.47E-04
3232	474863.09	3847377.25	8.31E-04	2.32E-07	3.13E-06	3.90E-06	8.39E-04	8.68E-04	2.38E-03	2.85E-04	1.33E-04	3.66E-03	8.66E-04	2.72E-07	3.13E-06	3.90E-06	8.73E-04
3233	475363.09	3847377.25	7.60E-04	2.43E-07	3.13E-06	3.85E-06	7.67E-04	7.93E-04	2.49E-03	2.85E-04	1.32E-04	3.70E-03	7.91E-04	2.85E-07	3.13E-06	3.85E-06	7.99E-04
3234	475863.09	3847377.25	8.85E-04	2.80E-07	3.13E-06	3.98E-06	8.93E-04	9.24E-04	2.86E-03	2.85E-04	1.36E-04	4.21E-03	9.22E-04	3.28E-07	3.13E-06	3.98E-06	9.29E-04
3235	476363.09	3847377.25	1.13E-03	3.06E-07	3.10E-06	4.26E-06	1.14E-03	1.18E-03	3.12E-03	2.83E-04	1.46E-04	4.73E-03	1.18E-03	3.58E-07	3.10E-06	4.26E-06	1.18E-03
3236	476863.09	3847377.25	1.45E-03	2.73E-07	3.04E-06	4.39E-06	1.46E-03	1.52E-03	2.79E-03	2.77E-04	1.50E-04	4.74E-03	1.51E-03	3.20E-07	3.04E-06	4.39E-06	1.52E-03
3237	477363.09	3847377.25	1.50E-03	2.51E-07	3.06E-06	4.37E-06	1.51E-03	1.57E-03	2.56E-03	2.79E-04	1.49E-04	4.56E-03	1.56E-03	2.94E-07	3.06E-06	4.37E-06	1.57E-03
3238	477863.09	3847377.25	1.40E-03	2.15E-07	3.23E-06	4.35E-06	1.41E-03	1.46E-03	2.20E-03	2.95E-04	1.49E-04	4.11E-03	1.46E-03	2.52E-07	3.23E-06	4.35E-06	1.47E-03
3239	478363.09	3847377.25	1.20E-03	2.08E-07	3.83E-06	4.43E-06	1.21E-03	1.25E-03	2.12E-03	3.49E-04	1.52E-04	3.87E-03	1.25E-03	2.43E-07	3.83E-06	4.43E-06	1.26E-03
3240	478863.09	3847377.25	9.32E-04	2.05E-07	5.21E-06	4.80E-06	9.42E-04	9.72E-04	2.10E-03	4.75E-04	1.64E-04	3.71E-03	9.70E-04	2.40E-07	5.21E-06	4.80E-06	9.81E-04
3241	479363.09	3847377.25	8.51E-04	1.64E-07	4.74E-06	4.43E-06	8.60E-04	8.88E-04	1.67E-03	4.32E-04	1.52E-04	3.14E-03	8.86E-04	1.92E-07	4.74E-06	4.43E-06	8.95E-04
3242	479863.09	3847377.25	6.08E-04	1.31E-07	3.76E-06	4.31E-06	6.16E-04	6.34E-04	1.34E-03	3.43E-04	1.47E-04	2.47E-03	6.33E-04	1.54E-07	3.76E-06	4.31E-06	6.41E-04
3243	480363.09	3847377.25	4.11E-04	1.10E-07	3.42E-06	4.41E-06	4.19E-04	4.29E-04	1.12E-03	3.12E-04	1.51E-04	2.01E-03	4.28E-04	1.28E-07	3.42E-06	4.41E-06	4.36E-04
3244	480863.09	3847377.25	3.86E-04	1.04E-07	3.38E-06	4.52E-06	3.94E-04	4.03E-04	1.07E-03	3.08E-04	1.55E-04	1.93E-03	4.02E-04	1.22E-07	3.38E-06	4.52E-06	4.10E-04
3245	481363.09	3847377.25	4.19E-04	1.08E-07	3.40E-06	4.69E-06	4.27E-04	4.37E-04	1.10E-03	3.10E-04	1.61E-04	2.01E-03	4.36E-04	1.27E-07	3.40E-06	4.69E-06	4.44E-04
3246	481863.09	3847377.25	4.88E-04	1.21E-07	3.61E-06	4.82E-06	4.97E-04	5.09E-04	1.24E-03	3.30E-04	1.65E-04	2.24E-03	5.08E-04	1.42E-07	3.61E-06	4.82E-06	5.17E-04
3247	482363.09	3847377.25	4.51E-04	1.17E-07	3.85E-06	4.76E-06	4.60E-04	4.71E-04	1.19E-03	3.51E-04	1.63E-04	2.18E-03	4.70E-04	1.36E-07	3.85E-06	4.76E-06	4.79E-04
3248	482863.09	3847377.25	4.32E-04	1.10E-07	4.15E-06	4.67E-06	4.41E-04	4.51E-04	1.13E-03	3.78E-04	1.60E-04	2.12E-03	4.50E-04	1.29E-07	4.15E-06	4.67E-06	4.59E-04
3249	483363.09	3847377.25	4.07E-04	1.05E-07	4.49E-06	4.65E-06	4.16E-04	4.25E-04	1.07E-03	4.09E-04	1.59E-04	2.07E-03	4.24E-04	1.23E-07	4.49E-06	4.65E-06	4.33E-04
3250	483863.09	3847377.25	4.09E-04	1.03E-07	4.98E-06	4.71E-06	4.19E-04	4.27E-04	1.05E-03	4.54E-04	1.61E-04	2.09E-03	4.26E-04	1.20E-07	4.98E-06	4.71E-06	4.36E-04
3251	484363.09	3847377.25	3.99E-04	1.03E-07	5.68E-06	4.80E-06	4.10E-04	4.17E-04	1.06E-03	5.18E-04	1.64E-04	2.16E-03	4.16E-04	1.21E-07	5.68E-06	4.80E-06	4.26E-04
3252	484863.09	3847377.25	3.82E-04	1.00E-07	6.02E-06	4.80E-06	3.93E-04	3.99E-04	1.03E-03	5.49E-04	1.64E-04	2.14E-03	3.98E-04	1.17E-07	6.02E-06	4.80E-06	4.09E-04
3253	485363.09	3847377.25	3.70E-04	9.81E-08	5.78E-06	4.78E-06	3.81E-04	3.86E-04	1.00E-03	5.27E-04	1.63E-04	2.08E-03	3.86E-04	1.15E-07	5.78E-06	4.78E-06	3.96E-04
3254	485863.09	3847377.25	3.47E-04	9.58E-08	5.12E-06	4.69E-06	3.57E-04	3.62E-04	9.78E-04	4.67E-04	1.61E-04	1.97E-03	3.62E-04	1.12E-07	5.12E-06	4.69E-06	3.72E-04
3255	486363.09	3847377.25	3.34E-04	9.73E-08	4.38E-06	4.63E-06	3.43E-04	3.48E-04	9.94E-04	3.99E-04	1.58E-04	1.90E-03	3.48E-04	1.14E-07	4.38E-06	4.63E-06	3.57E-04
3256	486863.09	3847377.25	3.07E-04	9.27E-08	3.91E-06	4.59E-06	3.15E-04	3.20E-04	9.47E-04	3.57E-04	1.57E-04	1.78E-03	3.19E-04	1.08E-07	3.91E-06	4.59E-06	3.28E-04
3257	487363.09	3847377.25	3.07E-04	9.04E-08	3.64E-06	4.63E-06	3.15E-04	3.20E-04	9.23E-04	3.32E-04	1.58E-04	1.73E-03	3.19E-04	1.06E-07	3.64E-06	4.63E-06	3.28E-04
3258	487863.09	3847377.25	2.85E-04	8.50E-08	3.64E-06	4.63E-06	2.94E-04	2.98E-04	8.68E-04	3.32E-04	1.58E-04	1.66E-03	2.97E-04	9.94E-08	3.64E-06	4.63E-06	3.06E-04
3259	488363.09	3847377.25	2.76E-04	8.34E-08	4.06E-06	4.67E-06	2.85E-04	2.88E-04	8.52E-04	3.70E-04	1.60E-04	1.67E-03	2.87E-04	9.76E-08	4.06E-06	4.67E-06	2.96E-04
3260	488863.09	3847377.25	2.74E-04	8.34E-08	4.61E-06	4.74E-06	2.83E-04	2.86E-04	8.52E-04	4.21E-04	1.62E-04	1.72E-03	2.85E-04	9.76E-08	4.61E-06	4.74E-06	2.95E-04
3261	489363.09	3847377.25	2.78E-04	8.34E-08	5.04E-06	4.78E-06	2.88E-04	2.90E-04	8.52E-04	4.60E-04	1.63E-04	1.77E-03	2.89E-04	9.76E-08	5.04E-06	4.78E-06	2.99E-04
3262	489863.09	3847377.25	2.62E-04	8.34E-08	4.85E-06	4.80E-06	2.72E-04	2.74E-04	8.52E-04	4.42E-04	1.64E-04	1.73E-03	2.73E-04	9.76E-08	4.85E-06	4.80E-06	2.83E-04
3263	490363.09	3847377.25	2.53E-04	8.19E-08	4.40E-06	4.84E-06	2.62E-04	2.64E-04	8.36E-04	4.01E-04	1.66E-04	1.67E-03	2.63E-04	9.58E-08	4.40E-06	4.84E-06	2.72E-04
3264	490863.09	3847377.25	2.62E-04	8.26E-08	4.29E-06	4.95E-06	2.72E-04	2.74E-04	8.44E-04	3.92E-04	1.69E-04	1.68E-03	2.73E-04	9.67E-08	4.29E-06	4.95E-06	2.83E-04
3265	491363.09	3847377.25	2.74E-04	8.42E-08	4.25E-06	5.08E-06	2.83E-04	2.86E-04	8.60E-04	3.88E-04	1.74E-04	1.71E-03	2.85E-04	9.85E-08	4.25E-06	5.08E-06	2.95E-04
3266	491863.09	3847377.25	2.99E-04	8.96E-08	4.51E-06	5.30E-06	3.09E-04	3.12E-04	9.15E-04	4.11E-04	1.81E-04	1.82E-03	3.11E-04	1.05E-07	4.51E-06	5.30E-06	3.21E-04
3267	492363.09	3847377.25	3.07E-04	9.04E-08	4.40E-06	5.45E-06	3.17E-04	3.20E-04	9.23E-04	4.01E-04	1.86E-04	1.83E-03	3.19E-04	1.06E-07	4.40E-06	5.45E-06	3.29E-04
3268	492863.09	3847377.25	3.28E-04	9.35E-08	4.27E-06	5.66E-06	3.38E-04	3.42E-04	9.55E-04	3.90E-04	1.94E-04	1.88E-03	3.41E-04	1.09E-07	4.27E-06	5.66E-06	3.52E-04
3269	493363.09	3847377.25	3.47E-04	9.58E-08	4.04E-06	5.81E-06	3.57E-04	3.62E-04	9.78E-04	3.68E-04	1.99E-04	1.91E-03	3.62E-04	1.12E-07	4.04E-06	5.81E-06	3.72E-04
3270	493863.09	3847377.25	3.61E-04	9.73E-08	3.95E-06	5.94E-06	3.71E-04	3.76E-04	9.94E-04	3.61E-04	2.03E-04	1.93E-03	3.76E-04	1.14E-07	3.95E-06	5.94E-06	3.86E-04
3271	494363.09	3847377.25	3.70E-04	1.00E-07	3.98E-06	6.05E-06	3.81E-04	3.86E-04	1.03E-03	3.63E-04	2.07E-04	1.98E-03	3.86E-04	1.17E-07	3.98E-06	6.05E-06	3.96E-04
3272	494863.09	3847377.25	3.80E-04	1.06E-07	4.04E-06	6.18E-06	3.90E-04	3.97E-04	1.08E-03	3.68E-04	2.11E-04	2.06E-03	3.96E-04	1.24E-07	4.04E-06	6.18E-06	4.06E-04
3273	495363.09	3847377.25	3.95E-04	1.11E-07	4.23E-06	6.37E-06	4.06E-04	4.13E-04	1.14E-03	3.86E-04	2.18E-04	2.15E-03	4.12E-04	1.30E-07	4.23E-06	6.37E-06	4.23E-04
3274	495863.09	3847377.25	4.22E-04	1.17E-07	4.66E-06	6.57E-06	4.34E-04	4.41E-04	1.20E-03	4.25E-04	2.25E-04	2.29E-03	4.40E-04	1.37E-07	4.66E-06	6.57E-06	4.51E-04
3275	496363.09	3847377.25	4.51E-04	1.24E-07	5.17E-06	6.78E-06	4.63E-04	4.71E-04	1.26E-03	4.71E-04	2.32E-04	2.44E-03	4.70E-04	1.45E-07	5.17E-06	6.78E-06	4.82E-04
3276	496863.09	3847377.25	4.96E-04	1.32E-07	5.72E-06	7.04E-06	5.09E-04	5.17E-04	1.35E-03	5.22E-04	2.41E-04	2.63E-03	5.16E-04	1.55E-07	5.72E-06	7.04E-06	5.29E-04
3277	497363.09	3847377.25	5.54E-04	1.44E-07	6.40E-06	7.36E-06	5.68E-04	5.78E-04	1.48E-03	5.84E-04	2.52E-04	2.89E-03	5.77E-04	1.69E-07	6.40E-06	7.36E-06	5.90E-04
3278	497863.09	3847377.25	6.29E-04	1.60E-07	7.21E-06	7.66E-06	6.44E-04	6.56E-04	1.63E-03	6.57E-04	2.62E-04	3.21E-03	6.55E-04	1.87E-07	7.21E-06	7.66E-06	6.70E-04
3279	498363.09	3847377.25	6.75E-04	1.68E-07	7.65E-06	7.90E-06	6.91E-04	7.04E-04	1.72E-03	6.98E-04	2.70E-04	3.39E-03	7.03E-04	1.97E-07	7.65E-06	7.90E-06	7.19E-04
3280	471363.09	3847877.25	1.15E-03	2.93E-07	3.15E-06	4.11E-06	1.16E-03	1.20E-03	2.99E-03	2.87E-04	1.41E-04	4.62E-03	1.20E-03	3.42E-07	3.15E-06	4.11E-06	1.20E-03
3281	471863.09	3847877.25	1.14E-03	3.00E-07	3.15E-06	4.15E-06	1.15E-03	1.19E-03	3.07E-03	2.87E-04	1.42E-04	4.69E-03	1.19E-03	3.51E-07	3.15E-06	4.15E-06	1.20E-03
3282	472363.09	3847877.25	1.16E-03	3.03E-07	3.08E-06	4.20E-06	1.17E-03	1.21E-03	3.09E-03	2.81E-04	1.44E-04	4.73E-03	1.21E-03	3.54E-07	3.08E-06	4.20E-06	1.21E-03
3283	472863.09	3847877.25	1.17E-03	2.96E-07	3.02E-06	4.24E-06	1.18E-03	1.22E-03	3.02E-03	2.75E-04	1.45E-04	4.66E-03	1.22E-03	3.46E-07	3.02E-06	4.24E-06	1.22E-03
3284	473363.09	3847877.25	1.16E-03	2.87E-07	2.98E-06	4.28E-06	1.17E-03	1.21E-03	2.93E-03	2.71E-04	1.47E-04	4.56E-03	1.21E-03	3.35E-07	2.98E-06	4.28E-06	1.22E-03
3285	473863.09	3847877.25	1.11E-03	2.56E-07	3.04E-06	4.31E-06	1.12E-03	1.16E-03	2.62E-03	2.77E-04	1.47E-04	4.21E-03	1.16E-03	3.00E-07	3.04E-06	4.31E-06	1.17E-03
3286	474363.09	3847877.25	1.01E-03	2.12E-07	3.06E-06	4.22E-06	1.02E-03	1.05E-03	2.16E-03	2.79E-04	1.44E-04	3.64E-03	1.05E-03	2.48E-07	3.06E-06	4.22E-06	1.06E-03
3287	474863.09	3847877.25	1.03E-03	2.45E-07	3.19E-06	4.18E-06	1.04E-03	1.07E-03	2.50E-03	2.91E-04	1.43E-04	4.01E-03	1.07E-03	2.86E-07	3.19E-06	4.18E-06	1.08E-03
3288	475363.09	3847877.25	9.51E-04	2.57E-07	3.25E-06	4.11E-06	9.59E-04	9.92E-04	2.63E-03	2.97E-04	1.41E-04	4.06E-03	9.90E-04	3.01E-07	3.25E-06	4.11E-06	9.98E-04
3289	475863.09	3847877.25	8.47E-04	2.66E-07	3.25E-06	4.07E-06	8.54E-04	8.84E-04	2.72E-03	2.97E-04	1.39E-04	4.04E-03	8.82E-04	3.12E-07	3.25E-06	4.07E-06	8.90E-04
3290	476363.09	3847877.25	1.02E-03	3.42E-07	3.30E-06	4.26E-06	1.03E-03	1.07E-03	3.50E-03	3.01E-04	1.46E-04	5.01E-03	1.06E-03	4.00E-07	3.30E-06	4.26E-06	1.07E-03

3291	476863.09	3847877.25	1.25E-03	3.34E-07	3.23E-06	4.52E-06	1.25E-03	1.30E-03	3.42E-03	2.95E-04	1.55E-04	5.17E-03	1.30E-03	3.91E-07	3.23E-06	4.52E-06	1.31E-03
3292	477363.09	3847877.25	1.65E-03	3.12E-07	3.19E-06	4.65E-06	1.66E-03	1.72E-03	3.19E-03	2.91E-04	1.59E-04	5.36E-03	1.72E-03	3.65E-07	3.19E-06	4.65E-06	1.73E-03
3293	477863.09	3847877.25	1.70E-03	2.73E-07	3.21E-06	4.63E-06	1.71E-03	1.77E-03	2.79E-03	2.93E-04	1.58E-04	5.02E-03	1.77E-03	3.20E-07	3.21E-06	4.63E-06	1.78E-03
3294	478363.09	3847877.25	1.59E-03	2.40E-07	3.44E-06	4.67E-06	1.60E-03	1.66E-03	2.45E-03	3.14E-04	1.60E-04	4.59E-03	1.66E-03	2.81E-07	3.44E-06	4.67E-06	1.67E-03
3295	478863.09	3847877.25	1.29E-03	2.29E-07	4.49E-06	5.15E-06	1.30E-03	1.34E-03	2.34E-03	4.09E-04	1.76E-04	4.27E-03	1.34E-03	2.67E-07	4.49E-06	5.15E-06	1.35E-03
3296	479363.09	3847877.25	8.12E-04	1.71E-07	4.59E-06	4.63E-06	8.22E-04	8.47E-04	1.74E-03	4.19E-04	1.58E-04	3.17E-03	8.46E-04	2.00E-07	4.59E-06	4.63E-06	8.55E-04
3297	479863.09	3847877.25	5.17E-04	1.21E-07	3.51E-06	4.43E-06	5.25E-04	5.39E-04	1.24E-03	3.20E-04	1.52E-04	2.25E-03	5.38E-04	1.42E-07	3.51E-06	4.43E-06	5.46E-04
3298	480363.09	3847877.25	5.03E-04	1.24E-07	3.61E-06	4.59E-06	5.12E-04	5.25E-04	1.26E-03	3.30E-04	1.57E-04	2.27E-03	5.24E-04	1.45E-07	3.61E-06	4.59E-06	5.33E-04
3299	480863.09	3847877.25	4.48E-04	1.17E-07	3.57E-06	4.74E-06	4.56E-04	4.67E-04	1.19E-03	3.26E-04	1.62E-04	2.15E-03	4.66E-04	1.36E-07	3.57E-06	4.74E-06	4.74E-04
3300	481363.09	3847877.25	4.63E-04	1.17E-07	3.55E-06	4.89E-06	4.72E-04	4.83E-04	1.19E-03	3.24E-04	1.67E-04	2.17E-03	4.82E-04	1.36E-07	3.55E-06	4.89E-06	4.91E-04
3301	481863.09	3847877.25	6.02E-04	1.37E-07	3.85E-06	5.10E-06	6.11E-04	6.28E-04	1.40E-03	3.51E-04	1.74E-04	2.55E-03	6.27E-04	1.60E-07	3.85E-06	5.10E-06	6.36E-04
3302	482363.09	3847877.25	5.36E-04	1.31E-07	3.93E-06	5.02E-06	5.45E-04	5.60E-04	1.34E-03	3.59E-04	1.72E-04	2.43E-03	5.58E-04	1.54E-07	3.93E-06	5.02E-06	5.68E-04
3303	482863.09	3847877.25	4.84E-04	1.21E-07	4.19E-06	4.93E-06	4.93E-04	5.05E-04	1.24E-03	3.82E-04	1.69E-04	2.29E-03	5.04E-04	1.42E-07	4.19E-06	4.93E-06	5.13E-04
3304	483363.09	3847877.25	4.63E-04	1.17E-07	4.53E-06	4.91E-06	4.73E-04	4.83E-04	1.19E-03	4.13E-04	1.68E-04	2.26E-03	4.82E-04	1.36E-07	4.53E-06	4.91E-06	4.92E-04
3305	483863.09	3847877.25	4.76E-04	1.14E-07	5.02E-06	4.99E-06	4.87E-04	4.97E-04	1.17E-03	4.58E-04	1.71E-04	2.29E-03	4.96E-04	1.34E-07	5.02E-06	4.99E-06	5.06E-04
3306	484363.09	3847877.25	4.61E-04	1.14E-07	5.72E-06	5.10E-06	4.72E-04	4.81E-04	1.16E-03	5.22E-04	1.74E-04	2.34E-03	4.80E-04	1.33E-07	5.72E-06	5.10E-06	4.91E-04
3307	484863.09	3847877.25	4.48E-04	1.12E-07	6.40E-06	5.12E-06	4.59E-04	4.67E-04	1.14E-03	5.84E-04	1.75E-04	2.37E-03	4.66E-04	1.31E-07	6.40E-06	5.12E-06	4.78E-04
3308	485363.09	3847877.25	4.46E-04	1.11E-07	6.44E-06	5.12E-06	4.57E-04	4.65E-04	1.14E-03	5.88E-04	1.75E-04	2.36E-03	4.64E-04	1.30E-07	6.44E-06	5.12E-06	4.76E-04
3309	485863.09	3847877.25	4.15E-04	1.09E-07	5.87E-06	5.04E-06	4.26E-04	4.33E-04	1.11E-03	5.35E-04	1.72E-04	2.25E-03	4.32E-04	1.27E-07	5.87E-06	5.04E-06	4.43E-04
3310	486363.09	3847877.25	3.70E-04	1.05E-07	4.74E-06	4.95E-06	3.80E-04	3.86E-04	1.07E-03	4.32E-04	1.69E-04	2.06E-03	3.86E-04	1.23E-07	4.74E-06	4.95E-06	3.96E-04
3311	486863.09	3847877.25	3.59E-04	1.03E-07	4.23E-06	4.91E-06	3.68E-04	3.74E-04	1.06E-03	3.86E-04	1.68E-04	1.99E-03	3.74E-04	1.21E-07	4.23E-06	4.91E-06	3.83E-04
3312	487363.09	3847877.25	3.45E-04	9.81E-08	3.87E-06	4.93E-06	3.54E-04	3.60E-04	1.00E-03	3.53E-04	1.69E-04	1.88E-03	3.60E-04	1.15E-07	3.87E-06	4.93E-06	3.68E-04
3313	487863.09	3847877.25	3.24E-04	9.27E-08	3.85E-06	4.95E-06	3.33E-04	3.38E-04	9.47E-04	3.51E-04	1.69E-04	1.81E-03	3.37E-04	1.08E-07	3.85E-06	4.95E-06	3.46E-04
3314	488363.09	3847877.25	3.13E-04	9.27E-08	4.29E-06	4.97E-06	3.22E-04	3.26E-04	9.47E-04	3.92E-04	1.70E-04	1.83E-03	3.25E-04	1.08E-07	4.29E-06	4.97E-06	3.35E-04
3315	488863.09	3847877.25	3.14E-04	9.35E-08	4.87E-06	5.06E-06	3.24E-04	3.28E-04	9.55E-04	4.44E-04	1.73E-04	1.90E-03	3.27E-04	1.09E-07	4.87E-06	5.06E-06	3.37E-04
3316	489363.09	3847877.25	3.14E-04	9.35E-08	5.29E-06	5.15E-06	3.25E-04	3.28E-04	9.55E-04	4.83E-04	1.76E-04	1.94E-03	3.27E-04	1.09E-07	5.29E-06	5.15E-06	3.38E-04
3317	489863.09	3847877.25	3.20E-04	9.81E-08	5.27E-06	5.25E-06	3.31E-04	3.34E-04	1.00E-03	4.81E-04	1.80E-04	2.00E-03	3.33E-04	1.15E-07	5.27E-06	5.25E-06	3.44E-04
3318	490363.09	3847877.25	3.22E-04	9.89E-08	4.89E-06	5.38E-06	3.33E-04	3.36E-04	1.01E-03	4.46E-04	1.84E-04	1.98E-03	3.35E-04	1.16E-07	4.89E-06	5.38E-06	3.46E-04
3319	490863.09	3847877.25	3.32E-04	9.81E-08	4.68E-06	5.51E-06	3.42E-04	3.46E-04	1.00E-03	4.27E-04	1.88E-04	1.96E-03	3.46E-04	1.15E-07	4.68E-06	5.51E-06	3.56E-04
3320	491363.09	3847877.25	3.34E-04	9.81E-08	4.70E-06	5.62E-06	3.44E-04	3.48E-04	1.00E-03	4.29E-04	1.92E-04	1.97E-03	3.48E-04	1.15E-07	4.70E-06	5.62E-06	3.58E-04
3321	491863.09	3847877.25	3.47E-04	1.00E-07	4.72E-06	5.83E-06	3.58E-04	3.62E-04	1.03E-03	4.30E-04	2.00E-04	2.02E-03	3.62E-04	1.17E-07	4.72E-06	5.83E-06	3.72E-04
3322	492363.09	3847877.25	3.65E-04	1.03E-07	4.64E-06	6.07E-06	3.75E-04	3.80E-04	1.05E-03	4.23E-04	2.08E-04	2.06E-03	3.80E-04	1.20E-07	4.64E-06	6.07E-06	3.90E-04
3323	492863.09	3847877.25	3.82E-04	1.04E-07	4.38E-06	6.24E-06	3.93E-04	3.99E-04	1.07E-03	3.99E-04	2.14E-04	2.08E-03	3.98E-04	1.22E-07	4.38E-06	6.24E-06	4.08E-04
3324	493363.09	3847877.25	3.82E-04	1.03E-07	4.15E-06	6.29E-06	3.92E-04	3.99E-04	1.06E-03	3.78E-04	2.15E-04	2.05E-03	3.98E-04	1.21E-07	4.15E-06	6.29E-06	4.08E-04
3325	493863.09	3847877.25	3.86E-04	1.05E-07	4.04E-06	6.39E-06	3.96E-04	4.03E-04	1.07E-03	3.68E-04	2.19E-04	2.06E-03	4.02E-04	1.23E-07	4.04E-06	6.39E-06	4.12E-04
3326	494363.09	3847877.25	3.94E-04	1.10E-07	4.12E-06	6.52E-06	4.04E-04	4.11E-04	1.12E-03	3.76E-04	2.23E-04	2.13E-03	4.10E-04	1.28E-07	4.12E-06	6.52E-06	4.21E-04
3327	494863.09	3847877.25	4.09E-04	1.15E-07	4.25E-06	6.72E-06	4.20E-04	4.27E-04	1.18E-03	3.88E-04	2.30E-04	2.22E-03	4.26E-04	1.35E-07	4.25E-06	6.72E-06	4.37E-04
3328	495363.09	3847877.25	4.26E-04	1.20E-07	4.59E-06	6.85E-06	4.38E-04	4.45E-04	1.22E-03	4.19E-04	2.34E-04	2.32E-03	4.44E-04	1.40E-07	4.59E-06	6.85E-06	4.56E-04
3329	495863.09	3847877.25	4.17E-04	1.17E-07	4.76E-06	6.93E-06	4.28E-04	4.35E-04	1.20E-03	4.34E-04	2.37E-04	2.31E-03	4.34E-04	1.37E-07	4.76E-06	6.93E-06	4.46E-04
3330	496363.09	3847877.25	4.94E-04	1.34E-07	5.68E-06	7.36E-06	5.07E-04	5.15E-04	1.37E-03	5.18E-04	2.52E-04	2.65E-03	5.14E-04	1.56E-07	5.68E-06	7.36E-06	5.27E-04
3331	496863.09	3847877.25	5.50E-04	1.44E-07	6.29E-06	7.64E-06	5.64E-04	5.74E-04	1.47E-03	5.74E-04	2.61E-04	2.88E-03	5.73E-04	1.68E-07	6.29E-06	7.64E-06	5.87E-04
3332	497363.09	3847877.25	6.17E-04	1.58E-07	6.91E-06	7.97E-06	6.32E-04	6.44E-04	1.61E-03	6.30E-04	2.72E-04	3.16E-03	6.43E-04	1.84E-07	6.91E-06	7.97E-06	6.58E-04
3333	497863.09	3847877.25	7.39E-04	1.82E-07	7.91E-06	8.37E-06	7.55E-04	7.71E-04	1.85E-03	7.21E-04	2.86E-04	3.63E-03	7.69E-04	2.12E-07	7.91E-06	8.37E-06	7.86E-04
3334	498363.09	3847877.25	8.12E-04	1.94E-07	8.42E-06	8.70E-06	8.29E-04	8.47E-04	1.98E-03	7.68E-04	2.97E-04	3.89E-03	8.46E-04	2.27E-07	8.42E-06	8.70E-06	8.63E-04
3335	471363.09	3848377.25	1.19E-03	3.18E-07	3.10E-06	4.26E-06	1.19E-03	1.24E-03	3.25E-03	2.83E-04	1.46E-04	4.92E-03	1.24E-03	3.72E-07	3.10E-06	4.26E-06	1.24E-03
3336	471863.09	3848377.25	1.26E-03	3.20E-07	3.23E-06	4.31E-06	1.27E-03	1.31E-03	3.27E-03	2.95E-04	1.47E-04	5.02E-03	1.31E-03	3.74E-07	3.23E-06	4.31E-06	1.32E-03
3337	472363.09	3848377.25	1.27E-03	3.21E-07	3.27E-06	4.35E-06	1.28E-03	1.32E-03	3.28E-03	2.99E-04	1.49E-04	5.05E-03	1.32E-03	3.76E-07	3.27E-06	4.35E-06	1.33E-03
3338	472863.09	3848377.25	1.27E-03	3.28E-07	3.25E-06	4.41E-06	1.28E-03	1.33E-03	3.35E-03	2.97E-04	1.51E-04	5.13E-03	1.32E-03	3.84E-07	3.25E-06	4.41E-06	1.33E-03
3339	473363.09	3848377.25	1.28E-03	3.24E-07	3.19E-06	4.46E-06	1.29E-03	1.34E-03	3.31E-03	2.91E-04	1.52E-04	5.09E-03	1.34E-03	3.79E-07	3.19E-06	4.46E-06	1.35E-03
3340	473863.09	3848377.25	1.29E-03	3.14E-07	3.13E-06	4.50E-06	1.30E-03	1.34E-03	3.21E-03	2.85E-04	1.54E-04	5.00E-03	1.34E-03	3.68E-07	3.13E-06	4.50E-06	1.35E-03
3341	474363.09	3848377.25	1.26E-03	2.90E-07	3.13E-06	4.52E-06	1.27E-03	1.31E-03	2.96E-03	2.85E-04	1.55E-04	4.71E-03	1.31E-03	3.39E-07	3.13E-06	4.52E-06	1.32E-03
3342	474863.09	3848377.25	1.17E-03	2.46E-07	3.19E-06	4.46E-06	1.17E-03	1.22E-03	2.51E-03	2.91E-04	1.52E-04	4.17E-03	1.21E-03	2.87E-07	3.19E-06	4.46E-06	1.22E-03
3343	475363.09	3848377.25	1.21E-03	2.97E-07	3.32E-06	4.43E-06	1.22E-03	1.26E-03	3.04E-03	3.02E-04	1.52E-04	4.75E-03	1.26E-03	3.48E-07	3.32E-06	4.43E-06	1.27E-03
3344	475863.09	3848377.25	1.11E-03	3.01E-07	3.40E-06	4.35E-06	1.12E-03	1.16E-03	3.08E-03	3.10E-04	1.49E-04	4.70E-03	1.16E-03	3.52E-07	3.40E-06	4.35E-06	1.17E-03
3345	476363.09	3848377.25	9.65E-04	2.97E-07	3.42E-06	4.31E-06	9.73E-04	1.01E-03	3.03E-03	3.12E-04	1.47E-04	4.50E-03	1.00E-03	3.47E-07	3.42E-06	4.31E-06	1.01E-03
3346	476863.09	3848377.25	1.15E-03	4.02E-07	3.44E-06	4.54E-06	1.16E-03	1.20E-03	4.10E-03	3.14E-04	1.55E-04	5.77E-03	1.20E-03	4.70E-07	3.44E-06	4.54E-06	1.21E-03
3347	477363.09	3848377.25	1.37E-03	3.61E-07	3.40E-06	4.80E-06	1.37E-03	1.43E-03	3.69E-03	3.10E-04	1.64E-04	5.58E-03	1.42E-03	4.22E-07	3.40E-06	4.80E-06	1.43E-03
3348	477863.09	3848377.25	1.84E-03	3.44E-07	3.34E-06	4.91E-06	1.85E-03	1.92E-03	3.51E-03	3.04E-04	1.68E-04	5.91E-03	1.92E-03	4.02E-07	3.34E-06	4.91E-06	1.93E-03
3349	478363.09	3848377.25	1.89E-03	2.90E-07	3.36E-06	4.91E-06	1.90E-03	1.97E-03	2.97E-03	3.06E-04	1.68E-04	5.42E-03	1.97E-03	3.40E-07	3.36E-06	4.91E-06	1.98E-03
3350	478863.09	3848377.25	1.70E-03	2.49E-07	3.81E-06	5.27E-06	1.71E-03	1.77E-03	2.54E-03	3.47E-04	1.80E-04	4.84E-03	1.77E-03	2.91E-07	3.81E-06	5.27E-06	1.78E-03
3351	479363.09	3848377.25	1.05E-03	1.93E-07	4.32E-06	4.95E-06	1.06E-03	1.10E-03	1.97E-03	3.94E-04	1.69E-04	3.63E-03	1.10E-03	2.26E-07	4.32E-06	4.95E-06	1.11E-03

3352	479863.09	3848377.25	4.01E-04	1.07E-07	3.34E-06	4.54E-06	4.09E-04	4.19E-04	1.09E-03	3.04E-04	1.55E-04	1.97E-03	4.18E-04	1.25E-07	3.34E-06	4.54E-06	4.26E-04
3353	480363.09	3848377.25	5.32E-04	1.27E-07	3.68E-06	4.74E-06	5.41E-04	5.56E-04	1.29E-03	3.35E-04	1.62E-04	2.35E-03	5.54E-04	1.48E-07	3.68E-06	4.74E-06	5.63E-04
3354	480863.09	3848377.25	6.94E-04	1.51E-07	4.04E-06	4.99E-06	7.04E-04	7.25E-04	1.55E-03	3.68E-04	1.71E-04	2.81E-03	7.23E-04	1.77E-07	4.04E-06	4.99E-06	7.32E-04
3355	481363.09	3848377.25	7.29E-04	1.52E-07	3.91E-06	5.23E-06	7.38E-04	7.61E-04	1.55E-03	3.57E-04	1.79E-04	2.85E-03	7.59E-04	1.78E-07	3.91E-06	5.23E-06	7.69E-04
3356	481863.09	3848377.25	7.27E-04	1.54E-07	4.08E-06	5.42E-06	7.37E-04	7.59E-04	1.57E-03	3.72E-04	1.86E-04	2.89E-03	7.57E-04	1.80E-07	4.08E-06	5.42E-06	7.67E-04
3357	482363.09	3848377.25	6.87E-04	1.52E-07	4.25E-06	5.36E-06	6.97E-04	7.17E-04	1.55E-03	3.88E-04	1.83E-04	2.84E-03	7.15E-04	1.78E-07	4.25E-06	5.36E-06	7.25E-04
3358	482863.09	3848377.25	5.81E-04	1.37E-07	4.32E-06	5.21E-06	5.90E-04	6.06E-04	1.40E-03	3.94E-04	1.78E-04	2.57E-03	6.05E-04	1.60E-07	4.32E-06	5.21E-06	6.14E-04
3359	483363.09	3848377.25	5.65E-04	1.34E-07	4.61E-06	5.19E-06	5.75E-04	5.90E-04	1.37E-03	4.21E-04	1.77E-04	2.55E-03	5.89E-04	1.56E-07	4.61E-06	5.19E-06	5.99E-04
3360	483863.09	3848377.25	5.40E-04	1.24E-07	5.02E-06	5.25E-06	5.51E-04	5.64E-04	1.27E-03	4.58E-04	1.80E-04	2.47E-03	5.62E-04	1.45E-07	5.02E-06	5.25E-06	5.73E-04
3361	484363.09	3848377.25	5.15E-04	1.22E-07	5.70E-06	5.36E-06	5.26E-04	5.37E-04	1.25E-03	5.20E-04	1.83E-04	2.49E-03	5.36E-04	1.43E-07	5.70E-06	5.36E-06	5.48E-04
3362	484863.09	3848377.25	5.40E-04	1.28E-07	6.68E-06	5.47E-06	5.52E-04	5.64E-04	1.31E-03	6.09E-04	1.87E-04	2.67E-03	5.62E-04	1.50E-07	6.68E-06	5.47E-06	5.75E-04
3363	485363.09	3848377.25	5.25E-04	1.25E-07	7.00E-06	5.45E-06	5.37E-04	5.47E-04	1.28E-03	6.38E-04	1.86E-04	2.65E-03	5.46E-04	1.46E-07	7.00E-06	5.45E-06	5.59E-04
3364	485863.09	3848377.25	4.78E-04	1.20E-07	6.48E-06	5.36E-06	4.90E-04	4.99E-04	1.22E-03	5.91E-04	1.83E-04	2.50E-03	4.98E-04	1.40E-07	6.48E-06	5.36E-06	5.10E-04
3365	486363.09	3848377.25	4.34E-04	1.17E-07	5.32E-06	5.27E-06	4.45E-04	4.53E-04	1.20E-03	4.85E-04	1.80E-04	2.32E-03	4.52E-04	1.37E-07	5.32E-06	5.27E-06	4.63E-04
3366	486863.09	3848377.25	4.19E-04	1.15E-07	4.55E-06	5.23E-06	4.28E-04	4.37E-04	1.18E-03	4.15E-04	1.79E-04	2.21E-03	4.36E-04	1.35E-07	4.55E-06	5.23E-06	4.46E-04
3367	487363.09	3848377.25	3.78E-04	1.06E-07	4.10E-06	5.23E-06	3.88E-04	3.95E-04	1.08E-03	3.74E-04	1.79E-04	2.03E-03	3.94E-04	1.24E-07	4.10E-06	5.23E-06	4.03E-04
3368	487863.09	3848377.25	3.65E-04	1.03E-07	4.06E-06	5.27E-06	3.74E-04	3.80E-04	1.05E-03	3.70E-04	1.80E-04	1.98E-03	3.80E-04	1.20E-07	4.06E-06	5.27E-06	3.89E-04
3369	488363.09	3848377.25	3.57E-04	1.03E-07	4.53E-06	5.34E-06	3.67E-04	3.72E-04	1.06E-03	4.13E-04	1.83E-04	2.03E-03	3.72E-04	1.21E-07	4.53E-06	5.34E-06	3.82E-04
3370	488863.09	3848377.25	3.57E-04	1.03E-07	5.17E-06	5.42E-06	3.68E-04	3.72E-04	1.06E-03	4.71E-04	1.86E-04	2.09E-03	3.72E-04	1.21E-07	5.17E-06	5.42E-06	3.82E-04
3371	489363.09	3848377.25	3.61E-04	1.05E-07	5.59E-06	5.53E-06	3.72E-04	3.76E-04	1.07E-03	5.10E-04	1.89E-04	2.15E-03	3.76E-04	1.23E-07	5.59E-06	5.53E-06	3.87E-04
3372	489863.09	3848377.25	3.76E-04	1.11E-07	5.55E-06	5.70E-06	3.88E-04	3.92E-04	1.14E-03	5.06E-04	1.95E-04	2.23E-03	3.92E-04	1.30E-07	5.55E-06	5.70E-06	4.03E-04
3373	490363.09	3848377.25	3.90E-04	1.11E-07	5.21E-06	5.88E-06	4.01E-04	4.07E-04	1.14E-03	4.75E-04	2.01E-04	2.22E-03	4.06E-04	1.30E-07	5.21E-06	5.88E-06	4.17E-04
3374	490863.09	3848377.25	3.90E-04	1.10E-07	5.04E-06	6.03E-06	4.01E-04	4.07E-04	1.13E-03	4.60E-04	2.06E-04	2.20E-03	4.06E-04	1.29E-07	5.04E-06	6.03E-06	4.17E-04
3375	491363.09	3848377.25	3.97E-04	1.12E-07	5.12E-06	6.22E-06	4.09E-04	4.15E-04	1.14E-03	4.67E-04	2.13E-04	2.24E-03	4.14E-04	1.31E-07	5.12E-06	6.22E-06	4.25E-04
3376	491863.09	3848377.25	4.09E-04	1.14E-07	5.02E-06	6.46E-06	4.21E-04	4.27E-04	1.16E-03	4.58E-04	2.21E-04	2.27E-03	4.26E-04	1.33E-07	5.02E-06	6.46E-06	4.37E-04
3377	492363.09	3848377.25	4.09E-04	1.12E-07	4.74E-06	6.63E-06	4.20E-04	4.27E-04	1.14E-03	4.32E-04	2.27E-04	2.23E-03	4.26E-04	1.31E-07	4.74E-06	6.63E-06	4.37E-04
3378	492863.09	3848377.25	4.03E-04	1.10E-07	4.42E-06	6.65E-06	4.14E-04	4.21E-04	1.13E-03	4.03E-04	2.27E-04	2.18E-03	4.20E-04	1.29E-07	4.42E-06	6.65E-06	4.31E-04
3379	493363.09	3848377.25	4.11E-04	1.12E-07	4.17E-06	6.78E-06	4.22E-04	4.29E-04	1.14E-03	3.80E-04	2.32E-04	2.18E-03	4.28E-04	1.31E-07	4.17E-06	6.78E-06	4.39E-04
3380	493863.09	3848377.25	4.17E-04	1.15E-07	4.25E-06	6.87E-06	4.28E-04	4.35E-04	1.18E-03	3.88E-04	2.35E-04	2.23E-03	4.34E-04	1.35E-07	4.25E-06	6.87E-06	4.45E-04
3381	494363.09	3848377.25	4.26E-04	1.20E-07	4.25E-06	7.02E-06	4.38E-04	4.45E-04	1.22E-03	3.88E-04	2.40E-04	2.30E-03	4.44E-04	1.40E-07	4.25E-06	7.02E-06	4.55E-04
3382	494863.09	3848377.25	4.55E-04	1.27E-07	4.51E-06	7.28E-06	4.67E-04	4.75E-04	1.29E-03	4.11E-04	2.49E-04	2.43E-03	4.74E-04	1.48E-07	4.51E-06	7.28E-06	4.86E-04
3383	495363.09	3848377.25	4.61E-04	1.27E-07	4.91E-06	7.43E-06	4.74E-04	4.81E-04	1.30E-03	4.48E-04	2.54E-04	2.48E-03	4.80E-04	1.49E-07	4.91E-06	7.43E-06	4.93E-04
3384	495863.09	3848377.25	4.88E-04	1.32E-07	5.42E-06	7.62E-06	5.01E-04	5.09E-04	1.35E-03	4.94E-04	2.61E-04	2.61E-03	5.08E-04	1.55E-07	5.42E-06	7.62E-06	5.21E-04
3385	496363.09	3848377.25	5.48E-04	1.44E-07	6.14E-06	7.99E-06	5.62E-04	5.72E-04	1.48E-03	5.60E-04	2.73E-04	2.88E-03	5.71E-04	1.69E-07	6.14E-06	7.99E-06	5.85E-04
3386	496863.09	3848377.25	5.73E-04	1.51E-07	6.61E-06	8.20E-06	5.88E-04	5.98E-04	1.54E-03	6.03E-04	2.81E-04	3.02E-03	5.97E-04	1.76E-07	6.61E-06	8.20E-06	6.12E-04
3387	497363.09	3848377.25	6.64E-04	1.68E-07	7.38E-06	8.61E-06	6.80E-04	6.92E-04	1.72E-03	6.73E-04	2.94E-04	3.38E-03	6.91E-04	1.97E-07	7.38E-06	8.61E-06	7.07E-04
3388	497863.09	3848377.25	8.99E-04	2.10E-07	8.74E-06	9.26E-06	9.17E-04	9.38E-04	2.15E-03	7.97E-04	3.17E-04	4.20E-03	9.36E-04	2.46E-07	8.74E-06	9.26E-06	9.54E-04
3389	498363.09	3848377.25	9.68E-04	2.20E-07	8.84E-06	9.52E-06	9.87E-04	1.01E-03	2.25E-03	8.07E-04	3.25E-04	4.39E-03	1.01E-03	2.58E-07	8.84E-06	9.52E-06	1.03E-03
3390	471363.09	3848877.25	1.08E-03	3.38E-07	3.00E-06	4.43E-06	1.09E-03	1.13E-03	3.46E-03	2.73E-04	1.52E-04	5.01E-03	1.13E-03	3.96E-07	3.00E-06	4.43E-06	1.14E-03
3391	471863.09	3848877.25	1.20E-03	3.50E-07	3.13E-06	4.48E-06	1.21E-03	1.26E-03	3.57E-03	2.85E-04	1.53E-04	5.27E-03	1.25E-03	4.09E-07	3.13E-06	4.48E-06	1.26E-03
3392	472363.09	3848877.25	1.33E-03	3.52E-07	3.27E-06	4.52E-06	1.33E-03	1.38E-03	3.60E-03	2.99E-04	1.55E-04	5.43E-03	1.38E-03	4.12E-07	3.27E-06	4.52E-06	1.39E-03
3393	472863.09	3848877.25	1.40E-03	3.52E-07	3.38E-06	4.56E-06	1.40E-03	1.46E-03	3.60E-03	3.08E-04	1.56E-04	5.52E-03	1.45E-03	4.12E-07	3.38E-06	4.56E-06	1.46E-03
3394	473363.09	3848877.25	1.42E-03	3.61E-07	3.40E-06	4.63E-06	1.42E-03	1.48E-03	3.69E-03	3.10E-04	1.58E-04	5.64E-03	1.47E-03	4.23E-07	3.40E-06	4.63E-06	1.48E-03
3395	473863.09	3848877.25	1.42E-03	3.59E-07	3.36E-06	4.69E-06	1.43E-03	1.49E-03	3.67E-03	3.06E-04	1.61E-04	5.62E-03	1.48E-03	4.20E-07	3.36E-06	4.69E-06	1.49E-03
3396	474363.09	3848877.25	1.44E-03	3.53E-07	3.30E-06	4.74E-06	1.45E-03	1.50E-03	3.61E-03	3.01E-04	1.62E-04	5.57E-03	1.50E-03	4.13E-07	3.30E-06	4.74E-06	1.51E-03
3397	474863.09	3848877.25	1.40E-03	3.13E-07	3.30E-06	4.76E-06	1.41E-03	1.46E-03	3.20E-03	3.01E-04	1.63E-04	5.12E-03	1.46E-03	3.66E-07	3.30E-06	4.76E-06	1.47E-03
3398	475363.09	3848877.25	1.37E-03	2.99E-07	3.32E-06	4.74E-06	1.37E-03	1.43E-03	3.05E-03	3.02E-04	1.62E-04	4.94E-03	1.42E-03	3.50E-07	3.32E-06	4.74E-06	1.43E-03
3399	475863.09	3848877.25	1.38E-03	3.45E-07	3.42E-06	4.69E-06	1.39E-03	1.44E-03	3.53E-03	3.12E-04	1.61E-04	5.44E-03	1.44E-03	4.04E-07	3.42E-06	4.69E-06	1.45E-03
3400	476363.09	3848877.25	1.32E-03	3.69E-07	3.55E-06	4.63E-06	1.33E-03	1.38E-03	3.77E-03	3.24E-04	1.58E-04	5.63E-03	1.37E-03	4.32E-07	3.55E-06	4.63E-06	1.38E-03
3401	476863.09	3848877.25	1.19E-03	3.76E-07	3.61E-06	4.63E-06	1.20E-03	1.24E-03	3.84E-03	3.30E-04	1.58E-04	5.57E-03	1.24E-03	4.40E-07	3.61E-06	4.63E-06	1.25E-03
3402	477363.09	3848877.25	1.30E-03	4.77E-07	3.61E-06	4.80E-06	1.31E-03	1.35E-03	4.88E-03	3.30E-04	1.64E-04	6.72E-03	1.35E-03	5.58E-07	3.61E-06	4.80E-06	1.36E-03
3403	477863.09	3848877.25	1.55E-03	4.16E-07	3.55E-06	5.10E-06	1.55E-03	1.61E-03	4.25E-03	3.24E-04	1.74E-04	6.36E-03	1.61E-03	4.86E-07	3.55E-06	5.10E-06	1.62E-03
3404	478363.09	3848877.25	2.09E-03	3.89E-07	3.51E-06	5.19E-06	2.10E-03	2.18E-03	3.98E-03	3.20E-04	1.77E-04	6.66E-03	2.18E-03	4.55E-07	3.51E-06	5.19E-06	2.19E-03
3405	478863.09	3848877.25	2.12E-03	3.10E-07	3.64E-06	5.47E-06	2.13E-03	2.21E-03	3.16E-03	3.32E-04	1.87E-04	5.89E-03	2.21E-03	3.62E-07	3.64E-06	5.47E-06	2.22E-03
3406	479363.09	3848877.25	1.77E-03	2.55E-07	4.02E-06	5.68E-06	1.78E-03	1.85E-03	2.60E-03	3.66E-04	1.94E-04	5.01E-03	1.85E-03	2.98E-07	4.02E-06	5.68E-06	1.86E-03
3407	479863.09	3848877.25	1.13E-03	2.09E-07	4.74E-06	5.32E-06	1.14E-03	1.18E-03	2.13E-03	4.32E-04	1.82E-04	3.92E-03	1.18E-03	2.44E-07	4.74E-06	5.32E-06	1.19E-03
3408	480363.09	3848877.25	1.11E-03	1.99E-07	5.80E-06	5.30E-06	1.12E-03	1.16E-03	2.04E-03	5.29E-04	1.81E-04	3.90E-03	1.16E-03	2.33E-07	5.80E-06	5.30E-06	1.17E-03
3409	480863.09	3848877.25	1.11E-03	2.02E-07	5.51E-06	5.45E-06	1.13E-03	1.16E-03	2.06E-03	5.02E-04	1.86E-04	3.91E-03	1.16E-03	2.36E-07	5.51E-06	5.45E-06	1.17E-03
3410	481363.09	3848877.25	9.92E-04	1.92E-07	4.34E-06	5.68E-06	1.00E-03	1.03E-03	1.96E-03	3.96E-04	1.94E-04	3.59E-03	1.03E-03	2.25E-07	4.34E-06	5.68E-06	1.04E-03
3411	481863.09	3848877.25	8.85E-04	1.73E-07	4.23E-06	5.70E-06	8.96E-04	9.24E-04	1.77E-03	3.86E-04	1.95E-04	3.27E-03	9.22E-04	2.02E-07	4.23E-06	5.70E-06	9.32E-04
3412	482363.09	3848877.25	6.87E-04	1.54E-07	4.15E-06	5.60E-06	6.97E-04	7.17E-04	1.58E-03	3.78E-04	1.91E-04	2.86E-03	7.15E-04	1.81E-07	4.15E-06	5.60E-06	7.25E-04

3413	482863.09	3848877.25	5.65E-04	1.37E-07	4.21E-06	5.47E-06	5.75E-04	5.90E-04	1.40E-03	3.84E-04	1.87E-04	2.57E-03	5.89E-04	1.61E-07	4.21E-06	5.47E-06	5.98E-04
3414	483363.09	3848877.25	5.05E-04	1.28E-07	4.55E-06	5.40E-06	5.15E-04	5.27E-04	1.31E-03	4.15E-04	1.85E-04	2.44E-03	5.26E-04	1.50E-07	4.55E-06	5.40E-06	5.36E-04
3415	483863.09	3848877.25	5.11E-04	1.24E-07	5.00E-06	5.47E-06	5.22E-04	5.33E-04	1.26E-03	4.56E-04	1.87E-04	2.44E-03	5.32E-04	1.45E-07	5.00E-06	5.47E-06	5.43E-04
3416	484363.09	3848877.25	5.84E-04	1.32E-07	5.68E-06	5.64E-06	5.96E-04	6.10E-04	1.35E-03	5.18E-04	1.93E-04	2.67E-03	6.09E-04	1.55E-07	5.68E-06	5.64E-06	6.20E-04
3417	484863.09	3848877.25	6.54E-04	1.45E-07	6.74E-06	5.88E-06	6.67E-04	6.82E-04	1.48E-03	6.15E-04	2.01E-04	2.98E-03	6.81E-04	1.70E-07	6.74E-06	5.88E-06	6.94E-04
3418	485363.09	3848877.25	6.27E-04	1.43E-07	7.53E-06	5.88E-06	6.40E-04	6.54E-04	1.46E-03	6.86E-04	2.01E-04	3.00E-03	6.53E-04	1.67E-07	7.53E-06	5.88E-06	6.66E-04
3419	485863.09	3848877.25	5.59E-04	1.34E-07	7.17E-06	5.79E-06	5.73E-04	5.84E-04	1.37E-03	6.53E-04	1.98E-04	2.80E-03	5.83E-04	1.56E-07	7.17E-06	5.79E-06	5.96E-04
3420	486363.09	3848877.25	4.92E-04	1.28E-07	5.87E-06	5.64E-06	5.04E-04	5.13E-04	1.31E-03	5.35E-04	1.93E-04	2.55E-03	5.12E-04	1.50E-07	5.87E-06	5.64E-06	5.24E-04
3421	486863.09	3848877.25	4.63E-04	1.24E-07	4.91E-06	5.58E-06	4.74E-04	4.83E-04	1.26E-03	4.48E-04	1.91E-04	2.38E-03	4.82E-04	1.45E-07	4.91E-06	5.58E-06	4.93E-04
3422	487363.09	3848877.25	4.48E-04	1.20E-07	4.42E-06	5.60E-06	4.58E-04	4.67E-04	1.22E-03	4.03E-04	1.91E-04	2.28E-03	4.66E-04	1.40E-07	4.42E-06	5.60E-06	4.76E-04
3423	487863.09	3848877.25	4.21E-04	1.15E-07	4.32E-06	5.66E-06	4.31E-04	4.39E-04	1.18E-03	3.94E-04	1.94E-04	2.20E-03	4.38E-04	1.35E-07	4.32E-06	5.66E-06	4.48E-04
3424	488363.09	3848877.25	4.19E-04	1.17E-07	4.81E-06	5.75E-06	4.29E-04	4.37E-04	1.19E-03	4.38E-04	1.97E-04	2.26E-03	4.36E-04	1.36E-07	4.81E-06	5.75E-06	4.47E-04
3425	488863.09	3848877.25	4.17E-04	1.16E-07	5.53E-06	5.86E-06	4.28E-04	4.35E-04	1.18E-03	5.04E-04	2.00E-04	2.32E-03	4.34E-04	1.36E-07	5.53E-06	5.86E-06	4.45E-04
3426	489363.09	3848877.25	4.26E-04	1.20E-07	6.06E-06	6.03E-06	4.39E-04	4.45E-04	1.22E-03	5.53E-04	2.06E-04	2.43E-03	4.44E-04	1.40E-07	6.06E-06	6.03E-06	4.56E-04
3427	489863.09	3848877.25	4.51E-04	1.25E-07	6.08E-06	6.24E-06	4.64E-04	4.71E-04	1.28E-03	5.55E-04	2.14E-04	2.52E-03	4.70E-04	1.46E-07	6.08E-06	6.24E-06	4.83E-04
3428	490363.09	3848877.25	4.49E-04	1.23E-07	5.55E-06	6.44E-06	4.62E-04	4.69E-04	1.25E-03	5.06E-04	2.20E-04	2.45E-03	4.68E-04	1.44E-07	5.55E-06	6.44E-06	4.80E-04
3429	490863.09	3848877.25	4.53E-04	1.22E-07	5.46E-06	6.63E-06	4.66E-04	4.73E-04	1.25E-03	4.98E-04	2.27E-04	2.44E-03	4.72E-04	1.43E-07	5.46E-06	6.63E-06	4.84E-04
3430	491363.09	3848877.25	4.61E-04	1.25E-07	5.42E-06	6.89E-06	4.73E-04	4.81E-04	1.28E-03	4.94E-04	2.36E-04	2.49E-03	4.80E-04	1.46E-07	5.42E-06	6.89E-06	4.93E-04
3431	491863.09	3848877.25	4.57E-04	1.24E-07	5.17E-06	7.06E-06	4.70E-04	4.77E-04	1.27E-03	4.71E-04	2.41E-04	2.46E-03	4.76E-04	1.45E-07	5.17E-06	7.06E-06	4.88E-04
3432	492363.09	3848877.25	4.51E-04	1.22E-07	4.83E-06	7.19E-06	4.64E-04	4.71E-04	1.25E-03	4.40E-04	2.46E-04	2.40E-03	4.70E-04	1.43E-07	4.83E-06	7.19E-06	4.82E-04
3433	492863.09	3848877.25	4.36E-04	1.19E-07	4.38E-06	7.21E-06	4.48E-04	4.55E-04	1.22E-03	3.99E-04	2.47E-04	2.32E-03	4.54E-04	1.39E-07	4.38E-06	7.21E-06	4.66E-04
3434	493363.09	3848877.25	4.24E-04	1.17E-07	4.23E-06	7.23E-06	4.36E-04	4.43E-04	1.20E-03	3.86E-04	2.47E-04	2.28E-03	4.42E-04	1.37E-07	4.23E-06	7.23E-06	4.54E-04
3435	493863.09	3848877.25	4.51E-04	1.26E-07	4.32E-06	7.49E-06	4.63E-04	4.71E-04	1.29E-03	3.94E-04	2.56E-04	2.41E-03	4.70E-04	1.47E-07	4.32E-06	7.49E-06	4.82E-04
3436	494363.09	3848877.25	4.76E-04	1.32E-07	4.55E-06	7.73E-06	4.89E-04	4.97E-04	1.35E-03	4.15E-04	2.64E-04	2.53E-03	4.96E-04	1.55E-07	4.55E-06	7.73E-06	5.09E-04
3437	494863.09	3848877.25	5.23E-04	1.41E-07	5.08E-06	8.03E-06	5.36E-04	5.45E-04	1.44E-03	4.63E-04	2.75E-04	2.73E-03	5.44E-04	1.65E-07	5.08E-06	8.03E-06	5.58E-04
3438	495363.09	3848877.25	5.65E-04	1.49E-07	5.74E-06	8.31E-06	5.79E-04	5.90E-04	1.52E-03	5.24E-04	2.84E-04	2.92E-03	5.89E-04	1.74E-07	5.74E-06	8.31E-06	6.03E-04
3439	495863.09	3848877.25	5.67E-04	1.48E-07	6.06E-06	8.42E-06	5.82E-04	5.92E-04	1.52E-03	5.53E-04	2.88E-04	2.95E-03	5.91E-04	1.73E-07	6.06E-06	8.42E-06	6.05E-04
3440	496363.09	3848877.25	6.12E-04	1.58E-07	6.61E-06	8.70E-06	6.27E-04	6.38E-04	1.61E-03	6.03E-04	2.97E-04	3.15E-03	6.37E-04	1.84E-07	6.61E-06	8.70E-06	6.52E-04
3441	496863.09	3848877.25	7.08E-04	1.78E-07	7.48E-06	9.13E-06	7.25E-04	7.39E-04	1.81E-03	6.83E-04	3.12E-04	3.55E-03	7.37E-04	2.08E-07	7.48E-06	9.13E-06	7.54E-04
3442	497363.09	3848877.25	9.12E-04	2.12E-07	8.84E-06	9.80E-06	9.31E-04	9.52E-04	2.17E-03	8.07E-04	3.35E-04	4.26E-03	9.50E-04	2.48E-07	8.84E-06	9.80E-06	9.69E-04
3443	497863.09	3848877.25	1.05E-03	2.34E-07	9.21E-06	1.02E-05	1.07E-03	1.09E-03	2.39E-03	8.40E-04	3.48E-04	4.67E-03	1.09E-03	2.74E-07	9.21E-06	1.02E-05	1.11E-03
3444	498363.09	3848877.25	1.17E-03	2.52E-07	9.14E-06	1.05E-05	1.19E-03	1.22E-03	2.57E-03	8.34E-04	3.59E-04	4.99E-03	1.22E-03	2.95E-07	9.14E-06	1.05E-05	1.24E-03
3445	471363.09	3849377.25	1.06E-03	3.46E-07	3.08E-06	4.63E-06	1.07E-03	1.11E-03	3.54E-03	2.81E-04	1.58E-04	5.08E-03	1.11E-03	4.05E-07	3.08E-06	4.63E-06	1.11E-03
3446	471863.09	3849377.25	1.14E-03	3.72E-07	3.06E-06	4.65E-06	1.15E-03	1.19E-03	3.80E-03	2.79E-04	1.59E-04	5.43E-03	1.19E-03	4.36E-07	3.06E-06	4.65E-06	1.19E-03
3447	472363.09	3849377.25	1.23E-03	3.84E-07	3.17E-06	4.71E-06	1.24E-03	1.28E-03	3.92E-03	2.89E-04	1.61E-04	5.66E-03	1.28E-03	4.49E-07	3.17E-06	4.71E-06	1.29E-03
3448	472863.09	3849377.25	1.36E-03	3.91E-07	3.32E-06	4.76E-06	1.37E-03	1.42E-03	3.99E-03	3.02E-04	1.63E-04	5.88E-03	1.42E-03	4.57E-07	3.32E-06	4.76E-06	1.42E-03
3449	473363.09	3849377.25	1.49E-03	3.91E-07	3.47E-06	4.82E-06	1.50E-03	1.56E-03	3.99E-03	3.16E-04	1.65E-04	6.03E-03	1.55E-03	4.57E-07	3.47E-06	4.82E-06	1.56E-03
3450	473863.09	3849377.25	1.57E-03	3.95E-07	3.55E-06	4.89E-06	1.58E-03	1.63E-03	4.03E-03	3.24E-04	1.67E-04	6.16E-03	1.63E-03	4.62E-07	3.55E-06	4.89E-06	1.64E-03
3451	474363.09	3849377.25	1.59E-03	3.98E-07	3.55E-06	4.93E-06	1.60E-03	1.66E-03	4.06E-03	3.24E-04	1.69E-04	6.22E-03	1.66E-03	4.65E-07	3.55E-06	4.93E-06	1.67E-03
3452	474863.09	3849377.25	1.61E-03	3.93E-07	3.51E-06	5.02E-06	1.62E-03	1.68E-03	4.02E-03	3.20E-04	1.72E-04	6.18E-03	1.67E-03	4.60E-07	3.51E-06	5.02E-06	1.68E-03
3453	475363.09	3849377.25	1.61E-03	3.76E-07	3.44E-06	5.04E-06	1.62E-03	1.68E-03	3.84E-03	3.14E-04	1.72E-04	6.01E-03	1.68E-03	4.40E-07	3.44E-06	5.04E-06	1.69E-03
3454	475863.09	3849377.25	1.61E-03	3.87E-07	3.47E-06	5.04E-06	1.62E-03	1.68E-03	3.95E-03	3.16E-04	1.72E-04	6.12E-03	1.68E-03	4.53E-07	3.47E-06	5.04E-06	1.68E-03
3455	476363.09	3849377.25	1.60E-03	4.39E-07	3.55E-06	4.99E-06	1.61E-03	1.67E-03	4.49E-03	3.24E-04	1.71E-04	6.66E-03	1.67E-03	5.14E-07	3.55E-06	4.99E-06	1.68E-03
3456	476863.09	3849377.25	1.57E-03	4.94E-07	3.68E-06	4.93E-06	1.58E-03	1.64E-03	5.05E-03	3.35E-04	1.69E-04	7.19E-03	1.63E-03	5.78E-07	3.68E-06	4.93E-06	1.64E-03
3457	477363.09	3849377.25	1.47E-03	5.15E-07	3.76E-06	4.93E-06	1.48E-03	1.53E-03	5.26E-03	3.43E-04	1.69E-04	7.31E-03	1.53E-03	6.03E-07	3.76E-06	4.93E-06	1.54E-03
3458	477863.09	3849377.25	1.42E-03	5.00E-07	3.78E-06	5.12E-06	1.43E-03	1.48E-03	5.11E-03	3.45E-04	1.75E-04	7.11E-03	1.48E-03	5.85E-07	3.78E-06	5.12E-06	1.49E-03
3459	478363.09	3849377.25	1.73E-03	4.73E-07	3.74E-06	5.38E-06	1.74E-03	1.81E-03	4.84E-03	3.41E-04	1.84E-04	7.17E-03	1.81E-03	5.54E-07	3.74E-06	5.38E-06	1.82E-03
3460	478863.09	3849377.25	2.29E-03	3.96E-07	3.68E-06	5.51E-06	2.30E-03	2.39E-03	4.05E-03	3.35E-04	1.88E-04	6.97E-03	2.39E-03	4.64E-07	3.68E-06	5.51E-06	2.40E-03
3461	479363.09	3849377.25	2.39E-03	3.35E-07	3.83E-06	5.96E-06	2.40E-03	2.49E-03	3.42E-03	3.49E-04	2.04E-04	6.47E-03	2.48E-03	3.92E-07	3.83E-06	5.96E-06	2.50E-03
3462	479863.09	3849377.25	1.90E-03	2.73E-07	4.29E-06	6.20E-06	1.91E-03	1.98E-03	2.79E-03	3.92E-04	2.12E-04	5.37E-03	1.98E-03	3.19E-07	4.29E-06	6.20E-06	1.99E-03
3463	480363.09	3849377.25	1.62E-03	2.87E-07	5.80E-06	6.31E-06	1.63E-03	1.69E-03	2.94E-03	5.29E-04	2.16E-04	5.37E-03	1.69E-03	3.36E-07	5.80E-06	6.31E-06	1.70E-03
3464	480863.09	3849377.25	1.49E-03	2.55E-07	6.95E-06	5.94E-06	1.50E-03	1.55E-03	2.60E-03	6.34E-04	2.03E-04	4.99E-03	1.55E-03	2.98E-07	6.95E-06	5.94E-06	1.56E-03
3465	481363.09	3849377.25	1.19E-03	2.17E-07	5.12E-06	5.94E-06	1.20E-03	1.24E-03	2.22E-03	4.67E-04	2.03E-04	4.13E-03	1.24E-03	2.54E-07	5.12E-06	5.94E-06	1.25E-03
3466	481863.09	3849377.25	8.43E-04	1.73E-07	4.32E-06	5.90E-06	8.53E-04	8.80E-04	1.77E-03	3.94E-04	2.02E-04	3.24E-03	8.78E-04	2.02E-07	4.32E-06	5.90E-06	8.88E-04
3467	482363.09	3849377.25	7.14E-04	1.60E-07	4.23E-06	5.88E-06	7.24E-04	7.45E-04	1.63E-03	3.86E-04	2.01E-04	2.97E-03	7.43E-04	1.87E-07	4.23E-06	5.88E-06	7.54E-04
3468	482863.09	3849377.25	5.77E-04	1.41E-07	4.23E-06	5.75E-06	5.87E-04	6.02E-04	1.44E-03	3.86E-04	1.97E-04	2.62E-03	6.01E-04	1.64E-07	4.23E-06	5.75E-06	6.11E-04
3469	483363.09	3849377.25	5.25E-04	1.32E-07	4.51E-06	5.68E-06	5.35E-04	5.47E-04	1.35E-03	4.11E-04	1.94E-04	2.50E-03	5.46E-04	1.55E-07	4.51E-06	5.68E-06	5.57E-04
3470	483863.09	3849377.25	4.71E-04	1.22E-07	4.93E-06	5.70E-06	4.81E-04	4.91E-04	1.25E-03	4.50E-04	1.95E-04	2.38E-03	4.90E-04	1.43E-07	4.93E-06	5.70E-06	5.01E-04
3471	484363.09	3849377.25	6.62E-04	1.44E-07	5.68E-06	5.98E-06	6.73E-04	6.90E-04	1.48E-03	5.18E-04	2.05E-04	2.89E-03	6.89E-04	1.69E-07	5.68E-06	5.98E-06	7.01E-04
3472	484863.09	3849377.25	7.85E-04	1.61E-07	6.72E-06	6.26E-06	7.98E-04	8.19E-04	1.65E-03	6.13E-04	2.14E-04	3.30E-03	8.18E-04	1.89E-07	6.72E-06	6.26E-06	8.31E-04
3473	485363.09	3849377.25	7.58E-04	1.61E-07	7.99E-06	6.33E-06	7.73E-04	7.91E-04	1.65E-03	7.29E-04	2.16E-04	3.39E-03	7.89E-04	1.89E-07	7.99E-06	6.33E-06	8.04E-04

3474	485863.09	3849377.25	5.46E-04	1.34E-07	7.38E-06	6.11E-06	5.60E-04	5.70E-04	1.37E-03	6.73E-04	2.09E-04	2.82E-03	5.68E-04	1.57E-07	7.38E-06	6.11E-06	5.82E-04
3475	486363.09	3849377.25	4.46E-04	1.22E-07	5.97E-06	5.90E-06	4.58E-04	4.65E-04	1.25E-03	5.45E-04	2.02E-04	2.46E-03	4.64E-04	1.43E-07	5.97E-06	5.90E-06	4.76E-04
3476	486863.09	3849377.25	5.27E-04	1.35E-07	5.32E-06	5.96E-06	5.38E-04	5.49E-04	1.38E-03	4.85E-04	2.04E-04	2.62E-03	5.48E-04	1.58E-07	5.32E-06	5.96E-06	5.60E-04
3477	487363.09	3849377.25	5.17E-04	1.35E-07	4.76E-06	6.05E-06	5.28E-04	5.39E-04	1.38E-03	4.34E-04	2.07E-04	2.56E-03	5.38E-04	1.58E-07	4.76E-06	6.05E-06	5.49E-04
3478	487863.09	3849377.25	5.03E-04	1.32E-07	4.59E-06	6.11E-06	5.14E-04	5.25E-04	1.35E-03	4.19E-04	2.09E-04	2.50E-03	5.24E-04	1.55E-07	4.59E-06	6.11E-06	5.35E-04
3479	488363.09	3849377.25	4.94E-04	1.33E-07	5.10E-06	6.24E-06	5.05E-04	5.15E-04	1.36E-03	4.65E-04	2.14E-04	2.55E-03	5.14E-04	1.55E-07	5.10E-06	6.24E-06	5.26E-04
3480	488863.09	3849377.25	5.09E-04	1.35E-07	5.89E-06	6.44E-06	5.22E-04	5.31E-04	1.38E-03	5.37E-04	2.20E-04	2.67E-03	5.30E-04	1.58E-07	5.89E-06	6.44E-06	5.43E-04
3481	489363.09	3849377.25	5.30E-04	1.39E-07	6.42E-06	6.70E-06	5.44E-04	5.54E-04	1.42E-03	5.86E-04	2.29E-04	2.79E-03	5.52E-04	1.63E-07	6.42E-06	6.70E-06	5.66E-04
3482	489863.09	3849377.25	5.40E-04	1.41E-07	6.36E-06	6.95E-06	5.54E-04	5.64E-04	1.44E-03	5.80E-04	2.38E-04	2.82E-03	5.62E-04	1.64E-07	6.36E-06	6.95E-06	5.76E-04
3483	490363.09	3849377.25	5.30E-04	1.37E-07	5.89E-06	7.15E-06	5.44E-04	5.54E-04	1.40E-03	5.37E-04	2.44E-04	2.74E-03	5.52E-04	1.61E-07	5.89E-06	7.15E-06	5.66E-04
3484	490863.09	3849377.25	5.40E-04	1.38E-07	6.06E-06	7.38E-06	5.54E-04	5.64E-04	1.41E-03	5.53E-04	2.53E-04	2.78E-03	5.62E-04	1.62E-07	6.06E-06	7.38E-06	5.76E-04
3485	491363.09	3849377.25	5.46E-04	1.43E-07	6.00E-06	7.60E-06	5.60E-04	5.70E-04	1.46E-03	5.47E-04	2.60E-04	2.84E-03	5.68E-04	1.67E-07	6.00E-06	7.60E-06	5.82E-04
3486	491863.09	3849377.25	5.36E-04	1.42E-07	5.36E-06	7.79E-06	5.50E-04	5.60E-04	1.45E-03	4.89E-04	2.67E-04	2.77E-03	5.58E-04	1.66E-07	5.36E-06	7.79E-06	5.72E-04
3487	492363.09	3849377.25	5.29E-04	1.40E-07	4.98E-06	7.97E-06	5.42E-04	5.51E-04	1.43E-03	4.54E-04	2.72E-04	2.71E-03	5.50E-04	1.64E-07	4.98E-06	7.97E-06	5.64E-04
3488	492863.09	3849377.25	5.02E-04	1.34E-07	4.61E-06	7.97E-06	5.14E-04	5.23E-04	1.37E-03	4.21E-04	2.72E-04	2.59E-03	5.22E-04	1.57E-07	4.61E-06	7.97E-06	5.35E-04
3489	493363.09	3849377.25	5.11E-04	1.38E-07	4.57E-06	8.09E-06	5.24E-04	5.33E-04	1.41E-03	4.17E-04	2.77E-04	2.64E-03	5.32E-04	1.62E-07	4.57E-06	8.09E-06	5.45E-04
3490	493863.09	3849377.25	5.34E-04	1.45E-07	4.70E-06	8.35E-06	5.48E-04	5.58E-04	1.48E-03	4.29E-04	2.86E-04	2.76E-03	5.56E-04	1.70E-07	4.70E-06	8.35E-06	5.70E-04
3491	494363.09	3849377.25	5.88E-04	1.54E-07	5.23E-06	8.68E-06	6.02E-04	6.14E-04	1.58E-03	4.77E-04	2.97E-04	2.97E-03	6.13E-04	1.81E-07	5.23E-06	8.68E-06	6.27E-04
3492	494863.09	3849377.25	7.04E-04	1.75E-07	6.36E-06	9.17E-06	7.20E-04	7.35E-04	1.78E-03	5.80E-04	3.14E-04	3.41E-03	7.33E-04	2.04E-07	6.36E-06	9.17E-06	7.49E-04
3493	495363.09	3849377.25	7.77E-04	1.88E-07	7.10E-06	9.47E-06	7.94E-04	8.11E-04	1.92E-03	6.48E-04	3.24E-04	3.70E-03	8.10E-04	2.20E-07	7.10E-06	9.47E-06	8.26E-04
3494	495863.09	3849377.25	6.85E-04	1.71E-07	6.89E-06	9.36E-06	7.01E-04	7.15E-04	1.75E-03	6.28E-04	3.20E-04	3.41E-03	7.13E-04	2.01E-07	6.89E-06	9.36E-06	7.30E-04
3495	496363.09	3849377.25	7.10E-04	1.77E-07	7.40E-06	9.56E-06	7.27E-04	7.41E-04	1.81E-03	6.75E-04	3.27E-04	3.55E-03	7.39E-04	2.07E-07	7.40E-06	9.56E-06	7.56E-04
3496	496863.09	3849377.25	9.53E-04	2.20E-07	8.82E-06	1.04E-05	9.72E-04	9.94E-04	2.25E-03	8.05E-04	3.55E-04	4.40E-03	9.92E-04	2.58E-07	8.82E-06	1.04E-05	1.01E-03
3497	497363.09	3849377.25	1.08E-03	2.39E-07	9.42E-06	1.08E-05	1.10E-03	1.13E-03	2.45E-03	8.59E-04	3.69E-04	4.80E-03	1.13E-03	2.80E-07	9.42E-06	1.08E-05	1.15E-03
3498	497863.09	3849377.25	1.44E-03	2.92E-07	1.00E-05	1.14E-05	1.46E-03	1.50E-03	2.98E-03	9.13E-04	3.90E-04	5.78E-03	1.49E-03	3.42E-07	1.00E-05	1.14E-05	1.52E-03
3499	498363.09	3849377.25	1.44E-03	2.93E-07	9.82E-06	1.16E-05	1.46E-03	1.50E-03	3.00E-03	8.96E-04	3.98E-04	5.80E-03	1.50E-03	3.43E-07	9.82E-06	1.16E-05	1.52E-03
3500	471363.09	3849877.25	9.78E-04	2.98E-07	3.47E-06	4.80E-06	9.87E-04	1.02E-03	3.05E-03	3.16E-04	1.64E-04	4.55E-03	1.02E-03	3.49E-07	3.47E-06	4.80E-06	1.03E-03
3501	471863.09	3849877.25	1.11E-03	3.57E-07	3.32E-06	4.87E-06	1.12E-03	1.16E-03	3.65E-03	3.02E-04	1.66E-04	5.27E-03	1.15E-03	4.17E-07	3.32E-06	4.87E-06	1.16E-03
3502	472363.09	3849877.25	1.21E-03	4.02E-07	3.23E-06	4.91E-06	1.21E-03	1.26E-03	4.10E-03	2.95E-04	1.68E-04	5.82E-03	1.26E-03	4.70E-07	3.23E-06	4.91E-06	1.26E-03
3503	472863.09	3849877.25	1.29E-03	4.23E-07	3.25E-06	4.97E-06	1.30E-03	1.35E-03	4.32E-03	2.97E-04	1.70E-04	6.14E-03	1.35E-03	4.95E-07	3.25E-06	4.97E-06	1.35E-03
3504	473363.09	3849877.25	1.40E-03	4.29E-07	3.36E-06	5.04E-06	1.41E-03	1.46E-03	4.38E-03	3.06E-04	1.72E-04	6.32E-03	1.46E-03	5.01E-07	3.36E-06	5.04E-06	1.47E-03
3505	473863.09	3849877.25	1.55E-03	4.36E-07	3.51E-06	5.10E-06	1.56E-03	1.62E-03	4.46E-03	3.20E-04	1.74E-04	6.57E-03	1.61E-03	5.11E-07	3.51E-06	5.10E-06	1.62E-03
3506	474363.09	3849877.25	1.69E-03	4.39E-07	3.66E-06	5.17E-06	1.70E-03	1.76E-03	4.48E-03	3.34E-04	1.77E-04	6.76E-03	1.76E-03	5.13E-07	3.66E-06	5.17E-06	1.77E-03
3507	474863.09	3849877.25	1.77E-03	4.43E-07	3.72E-06	5.23E-06	1.78E-03	1.85E-03	4.52E-03	3.39E-04	1.79E-04	6.89E-03	1.85E-03	5.18E-07	3.72E-06	5.23E-06	1.86E-03
3508	475363.09	3849877.25	1.81E-03	4.33E-07	3.70E-06	5.30E-06	1.82E-03	1.88E-03	4.42E-03	3.37E-04	1.81E-04	6.82E-03	1.88E-03	5.06E-07	3.70E-06	5.30E-06	1.89E-03
3509	475863.09	3849877.25	1.82E-03	4.22E-07	3.66E-06	5.34E-06	1.83E-03	1.90E-03	4.32E-03	3.34E-04	1.83E-04	6.73E-03	1.90E-03	4.94E-07	3.66E-06	5.34E-06	1.91E-03
3510	476363.09	3849877.25	1.82E-03	4.29E-07	3.64E-06	5.36E-06	1.83E-03	1.90E-03	4.38E-03	3.32E-04	1.83E-04	6.80E-03	1.90E-03	5.01E-07	3.64E-06	5.36E-06	1.91E-03
3511	476863.09	3849877.25	1.82E-03	4.97E-07	3.72E-06	5.32E-06	1.83E-03	1.90E-03	5.08E-03	3.39E-04	1.82E-04	7.51E-03	1.90E-03	5.82E-07	3.72E-06	5.32E-06	1.91E-03
3512	477363.09	3849877.25	1.81E-03	6.06E-07	3.83E-06	5.25E-06	1.82E-03	1.89E-03	6.19E-03	3.49E-04	1.80E-04	8.61E-03	1.89E-03	7.09E-07	3.83E-06	5.25E-06	1.90E-03
3513	477863.09	3849877.25	1.73E-03	6.42E-07	3.93E-06	5.25E-06	1.74E-03	1.80E-03	6.56E-03	3.59E-04	1.80E-04	8.90E-03	1.80E-03	7.51E-07	3.93E-06	5.25E-06	1.81E-03
3514	478363.09	3849877.25	1.64E-03	5.95E-07	3.98E-06	5.42E-06	1.65E-03	1.71E-03	6.08E-03	3.63E-04	1.86E-04	8.34E-03	1.70E-03	6.97E-07	3.98E-06	5.42E-06	1.71E-03
3515	478863.09	3849877.25	1.98E-03	5.72E-07	3.93E-06	5.64E-06	1.99E-03	2.07E-03	5.85E-03	3.59E-04	1.93E-04	8.47E-03	2.07E-03	6.70E-07	3.93E-06	5.64E-06	2.08E-03
3516	479363.09	3849877.25	2.65E-03	4.67E-07	3.89E-06	5.83E-06	2.66E-03	2.77E-03	4.77E-03	3.55E-04	2.00E-04	8.09E-03	2.76E-03	5.46E-07	3.89E-06	5.83E-06	2.77E-03
3517	479863.09	3849877.25	2.92E-03	4.30E-07	3.93E-06	6.18E-06	2.93E-03	3.05E-03	4.40E-03	3.59E-04	2.11E-04	8.01E-03	3.04E-03	5.03E-07	3.93E-06	6.18E-06	3.05E-03
3518	480363.09	3849877.25	2.39E-03	3.51E-07	4.46E-06	6.46E-06	2.40E-03	2.49E-03	3.58E-03	4.07E-04	2.21E-04	6.70E-03	2.49E-03	4.10E-07	4.46E-06	6.46E-06	2.50E-03
3519	480863.09	3849877.25	1.69E-03	2.81E-07	5.78E-06	6.20E-06	1.70E-03	1.76E-03	2.87E-03	5.27E-04	2.12E-04	5.37E-03	1.76E-03	3.29E-07	5.78E-06	6.20E-06	1.77E-03
3520	481363.09	3849877.25	1.48E-03	2.52E-07	6.36E-06	6.26E-06	1.50E-03	1.55E-03	2.57E-03	5.80E-04	2.14E-04	4.91E-03	1.54E-03	2.95E-07	6.36E-06	6.26E-06	1.56E-03
3521	481863.09	3849877.25	9.14E-04	1.86E-07	4.72E-06	6.22E-06	9.25E-04	9.54E-04	1.90E-03	4.30E-04	2.13E-04	3.50E-03	9.52E-04	2.18E-07	4.72E-06	6.22E-06	9.63E-04
3522	482363.09	3849877.25	7.45E-04	1.67E-07	4.42E-06	6.20E-06	7.55E-04	7.77E-04	1.70E-03	4.03E-04	2.12E-04	3.10E-03	7.75E-04	1.95E-07	4.42E-06	6.20E-06	7.86E-04
3523	482863.09	3849877.25	6.29E-04	1.51E-07	4.40E-06	6.11E-06	6.40E-04	6.56E-04	1.54E-03	4.01E-04	2.09E-04	2.81E-03	6.55E-04	1.76E-07	4.40E-06	6.11E-06	6.66E-04
3524	483363.09	3849877.25	5.54E-04	1.38E-07	4.53E-06	6.03E-06	5.64E-04	5.78E-04	1.41E-03	4.13E-04	2.06E-04	2.61E-03	5.77E-04	1.62E-07	4.53E-06	6.03E-06	5.87E-04
3525	483863.09	3849877.25	5.56E-04	1.37E-07	4.98E-06	6.07E-06	5.67E-04	5.80E-04	1.40E-03	4.54E-04	2.08E-04	2.64E-03	5.79E-04	1.60E-07	4.98E-06	6.07E-06	5.90E-04
3526	484363.09	3849877.25	7.45E-04	1.58E-07	5.72E-06	6.35E-06	7.57E-04	7.77E-04	1.61E-03	5.22E-04	2.17E-04	3.13E-03	7.75E-04	1.84E-07	5.72E-06	6.35E-06	7.88E-04
3527	484863.09	3849877.25	9.82E-04	1.85E-07	6.93E-06	6.74E-06	9.96E-04	1.02E-03	1.89E-03	6.32E-04	2.30E-04	3.78E-03	1.02E-03	2.17E-07	6.93E-06	6.74E-06	1.04E-03
3528	485363.09	3849877.25	8.66E-04	1.78E-07	8.14E-06	6.82E-06	8.81E-04	9.04E-04	1.82E-03	7.43E-04	2.33E-04	3.70E-03	9.02E-04	2.09E-07	8.14E-06	6.82E-06	9.17E-04
3529	485863.09	3849877.25	6.75E-04	1.58E-07	8.16E-06	6.67E-06	6.90E-04	7.04E-04	1.61E-03	7.45E-04	2.28E-04	3.29E-03	7.03E-04	1.84E-07	8.16E-06	6.67E-06	7.18E-04
3530	486363.09	3849877.25	6.02E-04	1.48E-07	7.12E-06	6.52E-06	6.16E-04	6.28E-04	1.51E-03	6.50E-04	2.23E-04	3.01E-03	6.27E-04	1.73E-07	7.12E-06	6.52E-06	6.41E-04
3531	486863.09	3849877.25	6.58E-04	1.59E-07	6.04E-06	6.54E-06	6.71E-04	6.86E-04	1.63E-03	5.51E-04	2.24E-04	3.09E-03	6.85E-04	1.86E-07	6.04E-06	6.54E-06	6.98E-04
3532	487363.09	3849877.25	6.23E-04	1.58E-07	5.19E-06	6.63E-06	6.35E-04	6.50E-04	1.61E-03	4.73E-04	2.27E-04	2.96E-03	6.49E-04	1.84E-07	5.19E-06	6.63E-06	6.61E-04
3533	487863.09	3849877.25	6.02E-04	1.51E-07	4.91E-06	6.72E-06	6.14E-04	6.28E-04	1.55E-03	4.48E-04	2.30E-04	2.85E-03	6.27E-04	1.77E-07	4.91E-06	6.72E-06	6.39E-04
3534	488363.09	3849877.25	6.04E-04	1.54E-07	5.44E-06	6.89E-06	6.16E-04	6.30E-04	1.57E-03	4.96E-04	2.36E-04	2.93E-03	6.29E-04	1.80E-07	5.44E-06	6.89E-06	6.41E-04

3535	488863.09	3849877.25	6.33E-04	1.58E-07	6.29E-06	7.15E-06	6.46E-04	6.60E-04	1.62E-03	5.74E-04	2.44E-04	3.10E-03	6.59E-04	1.85E-07	6.29E-06	7.15E-06	6.73E-04
3536	489363.09	3849877.25	6.50E-04	1.62E-07	6.80E-06	7.47E-06	6.65E-04	6.78E-04	1.66E-03	6.21E-04	2.55E-04	3.21E-03	6.77E-04	1.90E-07	6.80E-06	7.47E-06	6.91E-04
3537	489863.09	3849877.25	6.50E-04	1.61E-07	6.68E-06	7.86E-06	6.65E-04	6.78E-04	1.64E-03	6.09E-04	2.69E-04	3.20E-03	6.77E-04	1.88E-07	6.68E-06	7.86E-06	6.92E-04
3538	490363.09	3849877.25	6.42E-04	1.58E-07	6.51E-06	8.05E-06	6.57E-04	6.70E-04	1.62E-03	5.93E-04	2.75E-04	3.16E-03	6.69E-04	1.85E-07	6.51E-06	8.05E-06	6.84E-04
3539	490863.09	3849877.25	6.60E-04	1.63E-07	6.63E-06	8.29E-06	6.75E-04	6.88E-04	1.66E-03	6.05E-04	2.83E-04	3.24E-03	6.87E-04	1.91E-07	6.63E-06	8.29E-06	7.02E-04
3540	491363.09	3849877.25	6.69E-04	1.68E-07	6.40E-06	8.50E-06	6.84E-04	6.98E-04	1.71E-03	5.84E-04	2.91E-04	3.29E-03	6.97E-04	1.96E-07	6.40E-06	8.50E-06	7.12E-04
3541	491863.09	3849877.25	6.54E-04	1.68E-07	5.57E-06	8.72E-06	6.68E-04	6.82E-04	1.71E-03	5.08E-04	2.98E-04	3.20E-03	6.81E-04	1.96E-07	5.57E-06	8.72E-06	6.95E-04
3542	492363.09	3849877.25	6.64E-04	1.67E-07	5.23E-06	8.93E-06	6.78E-04	6.92E-04	1.70E-03	4.77E-04	3.06E-04	3.18E-03	6.91E-04	1.95E-07	5.23E-06	8.93E-06	7.05E-04
3543	492863.09	3849877.25	6.52E-04	1.65E-07	5.15E-06	9.08E-06	6.66E-04	6.80E-04	1.69E-03	4.69E-04	3.11E-04	3.15E-03	6.79E-04	1.93E-07	5.15E-06	9.08E-06	6.93E-04
3544	493363.09	3849877.25	6.40E-04	1.66E-07	5.10E-06	9.19E-06	6.55E-04	6.68E-04	1.70E-03	4.65E-04	3.14E-04	3.14E-03	6.67E-04	1.94E-07	5.10E-06	9.19E-06	6.81E-04
3545	493863.09	3849877.25	6.62E-04	1.70E-07	5.34E-06	9.41E-06	6.77E-04	6.90E-04	1.74E-03	4.87E-04	3.22E-04	3.23E-03	6.89E-04	1.99E-07	5.34E-06	9.41E-06	7.04E-04
3546	494363.09	3849877.25	8.28E-04	1.98E-07	6.61E-06	1.00E-05	8.44E-04	8.63E-04	2.03E-03	6.03E-04	3.42E-04	3.84E-03	8.62E-04	2.32E-07	6.61E-06	1.00E-05	8.79E-04
3547	494863.09	3849877.25	9.74E-04	2.24E-07	7.74E-06	1.05E-05	9.93E-04	1.02E-03	2.29E-03	7.06E-04	3.59E-04	4.37E-03	1.01E-03	2.62E-07	7.74E-06	1.05E-05	1.03E-03
3548	495363.09	3849877.25	9.20E-04	2.15E-07	8.08E-06	1.05E-05	9.39E-04	9.60E-04	2.20E-03	7.37E-04	3.61E-04	4.26E-03	9.58E-04	2.52E-07	8.08E-06	1.05E-05	9.77E-04
3549	495863.09	3849877.25	1.10E-03	2.46E-07	9.36E-06	1.11E-05	1.12E-03	1.15E-03	2.51E-03	8.53E-04	3.80E-04	4.89E-03	1.14E-03	2.87E-07	9.36E-06	1.11E-05	1.16E-03
3550	496363.09	3849877.25	1.21E-03	2.64E-07	9.97E-06	1.15E-05	1.24E-03	1.27E-03	2.70E-03	9.09E-04	3.93E-04	5.27E-03	1.26E-03	3.09E-07	9.97E-06	1.15E-05	1.29E-03
3551	496863.09	3849877.25	1.31E-03	2.77E-07	1.02E-05	1.18E-05	1.33E-03	1.37E-03	2.83E-03	9.27E-04	4.05E-04	5.53E-03	1.37E-03	3.24E-07	1.02E-05	1.18E-05	1.39E-03
3552	497363.09	3849877.25	1.61E-03	3.19E-07	1.06E-05	1.24E-05	1.63E-03	1.68E-03	3.26E-03	9.64E-04	4.23E-04	6.32E-03	1.67E-03	3.73E-07	1.06E-05	1.24E-05	1.70E-03
3553	497863.09	3849877.25	1.77E-03	3.41E-07	1.06E-05	1.27E-05	1.79E-03	1.84E-03	3.49E-03	9.66E-04	4.35E-04	6.73E-03	1.84E-03	3.99E-07	1.06E-05	1.27E-05	1.86E-03
3554	498363.09	3849877.25	1.76E-03	3.42E-07	1.09E-05	1.29E-05	1.78E-03	1.83E-03	3.50E-03	9.91E-04	4.42E-04	6.76E-03	1.83E-03	4.00E-07	1.09E-05	1.29E-05	1.85E-03
3555	471363.09	3850377.25	8.74E-04	2.24E-07	3.89E-06	4.97E-06	8.83E-04	9.12E-04	2.29E-03	3.55E-04	1.70E-04	3.73E-03	9.10E-04	2.62E-07	3.89E-06	4.97E-06	9.19E-04
3556	471863.09	3850377.25	1.05E-03	2.98E-07	3.91E-06	5.10E-06	1.06E-03	1.09E-03	3.05E-03	3.57E-04	1.74E-04	4.67E-03	1.09E-03	3.49E-07	3.91E-06	5.10E-06	1.10E-03
3557	472363.09	3850377.25	1.14E-03	3.46E-07	3.70E-06	5.15E-06	1.15E-03	1.19E-03	3.54E-03	3.37E-04	1.76E-04	5.23E-03	1.18E-03	4.05E-07	3.70E-06	5.15E-06	1.19E-03
3558	472863.09	3850377.25	1.28E-03	4.26E-07	3.55E-06	5.23E-06	1.29E-03	1.33E-03	4.35E-03	3.24E-04	1.79E-04	6.19E-03	1.33E-03	4.98E-07	3.55E-06	5.23E-06	1.34E-03
3559	473363.09	3850377.25	1.36E-03	4.38E-07	3.44E-06	5.27E-06	1.37E-03	1.41E-03	4.47E-03	3.14E-04	1.80E-04	6.38E-03	1.41E-03	5.12E-07	3.44E-06	5.27E-06	1.42E-03
3560	473863.09	3850377.25	1.46E-03	4.63E-07	3.44E-06	5.34E-06	1.47E-03	1.53E-03	4.73E-03	3.14E-04	1.83E-04	6.76E-03	1.52E-03	5.42E-07	3.44E-06	5.34E-06	1.53E-03
3561	474363.09	3850377.25	1.61E-03	4.85E-07	3.57E-06	5.40E-06	1.62E-03	1.68E-03	4.96E-03	3.26E-04	1.85E-04	7.14E-03	1.68E-03	5.67E-07	3.57E-06	5.40E-06	1.68E-03
3562	474863.09	3850377.25	1.78E-03	4.91E-07	3.74E-06	5.47E-06	1.79E-03	1.86E-03	5.02E-03	3.41E-04	1.87E-04	7.40E-03	1.85E-03	5.75E-07	3.74E-06	5.47E-06	1.86E-03
3563	475363.09	3850377.25	1.93E-03	4.96E-07	3.89E-06	5.55E-06	1.94E-03	2.02E-03	5.07E-03	3.55E-04	1.90E-04	7.63E-03	2.01E-03	5.80E-07	3.89E-06	5.55E-06	2.02E-03
3564	475863.09	3850377.25	2.03E-03	4.90E-07	3.91E-06	5.64E-06	2.04E-03	2.12E-03	5.01E-03	3.57E-04	1.93E-04	7.68E-03	2.12E-03	5.74E-07	3.91E-06	5.64E-06	2.13E-03
3565	476363.09	3850377.25	2.07E-03	4.76E-07	3.89E-06	5.70E-06	2.08E-03	2.16E-03	4.86E-03	3.55E-04	1.95E-04	7.57E-03	2.16E-03	5.57E-07	3.89E-06	5.70E-06	2.17E-03
3566	476863.09	3850377.25	2.09E-03	4.80E-07	3.85E-06	5.73E-06	2.10E-03	2.18E-03	4.90E-03	3.51E-04	1.96E-04	7.62E-03	2.17E-03	5.61E-07	3.85E-06	5.73E-06	2.18E-03
3567	477363.09	3850377.25	2.09E-03	5.54E-07	3.89E-06	5.70E-06	2.11E-03	2.19E-03	5.66E-03	3.55E-04	1.95E-04	8.39E-03	2.18E-03	6.48E-07	3.89E-06	5.70E-06	2.19E-03
3568	477863.09	3850377.25	2.09E-03	6.74E-07	4.02E-06	5.64E-06	2.10E-03	2.18E-03	6.89E-03	3.66E-04	1.93E-04	9.63E-03	2.17E-03	7.89E-07	4.02E-06	5.64E-06	2.18E-03
3569	478363.09	3850377.25	2.02E-03	7.13E-07	4.12E-06	5.64E-06	2.03E-03	2.10E-03	7.28E-03	3.76E-04	1.93E-04	9.96E-03	2.10E-03	8.34E-07	4.12E-06	5.64E-06	2.11E-03
3570	478863.09	3850377.25	1.93E-03	7.19E-07	4.19E-06	5.77E-06	1.94E-03	2.01E-03	7.35E-03	3.82E-04	1.97E-04	9.94E-03	2.01E-03	8.41E-07	4.19E-06	5.77E-06	2.02E-03
3571	479363.09	3850377.25	2.28E-03	6.86E-07	4.17E-06	5.94E-06	2.29E-03	2.38E-03	7.01E-03	3.80E-04	2.03E-04	9.97E-03	2.37E-03	8.02E-07	4.17E-06	5.94E-06	2.38E-03
3572	479863.09	3850377.25	3.05E-03	5.65E-07	4.10E-06	6.20E-06	3.06E-03	3.18E-03	5.78E-03	3.74E-04	2.12E-04	9.54E-03	3.17E-03	6.61E-07	4.10E-06	6.20E-06	3.18E-03
3573	480363.09	3850377.25	3.35E-03	4.87E-07	4.17E-06	6.72E-06	3.36E-03	3.49E-03	4.98E-03	3.80E-04	2.30E-04	9.08E-03	3.49E-03	5.70E-07	4.17E-06	6.72E-06	3.50E-03
3574	480863.09	3850377.25	2.91E-03	4.50E-07	4.70E-06	6.89E-06	2.92E-03	3.03E-03	4.59E-03	4.29E-04	2.36E-04	8.29E-03	3.03E-03	5.26E-07	4.70E-06	6.89E-06	3.04E-03
3575	481363.09	3850377.25	1.83E-03	2.95E-07	6.29E-06	6.70E-06	1.85E-03	1.91E-03	3.01E-03	5.74E-04	2.29E-04	5.73E-03	1.91E-03	3.45E-07	6.29E-06	6.70E-06	1.92E-03
3576	481863.09	3850377.25	1.69E-03	2.73E-07	7.27E-06	7.21E-06	1.70E-03	1.76E-03	2.79E-03	6.63E-04	2.47E-04	5.46E-03	1.76E-03	3.20E-07	7.27E-06	7.21E-06	1.77E-03
3577	482363.09	3850377.25	1.50E-03	2.54E-07	5.76E-06	7.60E-06	1.51E-03	1.56E-03	2.60E-03	5.25E-04	2.60E-04	4.94E-03	1.56E-03	2.97E-07	5.76E-06	7.60E-06	1.57E-03
3578	482863.09	3850377.25	9.76E-04	1.95E-07	4.89E-06	6.74E-06	9.88E-04	1.02E-03	1.99E-03	4.46E-04	2.30E-04	3.68E-03	1.02E-03	2.28E-07	4.89E-06	6.74E-06	1.03E-03
3579	483363.09	3850377.25	7.58E-04	1.69E-07	4.78E-06	6.52E-06	7.70E-04	7.91E-04	1.73E-03	4.36E-04	2.23E-04	3.18E-03	7.89E-04	1.98E-07	4.78E-06	6.52E-06	8.01E-04
3580	483863.09	3850377.25	8.08E-04	1.75E-07	5.29E-06	6.61E-06	8.20E-04	8.43E-04	1.79E-03	4.83E-04	2.26E-04	3.34E-03	8.42E-04	2.05E-07	5.29E-06	6.61E-06	8.54E-04
3581	484363.09	3850377.25	1.01E-03	1.90E-07	6.29E-06	6.85E-06	1.02E-03	1.05E-03	1.94E-03	5.74E-04	2.34E-04	3.80E-03	1.05E-03	2.22E-07	6.29E-06	6.85E-06	1.06E-03
3582	484863.09	3850377.25	1.20E-03	2.08E-07	6.91E-06	7.23E-06	1.21E-03	1.25E-03	2.12E-03	6.30E-04	2.47E-04	4.25E-03	1.25E-03	2.43E-07	6.91E-06	7.23E-06	1.26E-03
3583	485363.09	3850377.25	1.11E-03	2.10E-07	8.48E-06	7.53E-06	1.13E-03	1.16E-03	2.15E-03	7.74E-04	2.58E-04	4.34E-03	1.16E-03	2.46E-07	8.48E-06	7.53E-06	1.17E-03
3584	485863.09	3850377.25	9.30E-04	1.92E-07	9.59E-06	7.43E-06	9.47E-04	9.70E-04	1.96E-03	8.75E-04	2.54E-04	4.06E-03	9.68E-04	2.25E-07	9.59E-06	7.43E-06	9.85E-04
3585	486363.09	3850377.25	8.66E-04	1.87E-07	9.04E-06	7.32E-06	8.83E-04	9.04E-04	1.91E-03	8.24E-04	2.50E-04	3.89E-03	9.02E-04	2.19E-07	9.04E-06	7.32E-06	9.19E-04
3586	486863.09	3850377.25	8.35E-04	1.92E-07	7.48E-06	7.34E-06	8.50E-04	8.72E-04	1.96E-03	6.83E-04	2.51E-04	3.77E-03	8.70E-04	2.25E-07	7.48E-06	7.34E-06	8.85E-04
3587	487363.09	3850377.25	7.64E-04	1.84E-07	5.70E-06	7.36E-06	7.77E-04	7.97E-04	1.88E-03	5.20E-04	2.52E-04	3.45E-03	7.95E-04	2.15E-07	5.70E-06	7.36E-06	8.09E-04
3588	487863.09	3850377.25	7.45E-04	1.78E-07	5.27E-06	7.47E-06	7.58E-04	7.77E-04	1.82E-03	4.81E-04	2.55E-04	3.34E-03	7.75E-04	2.09E-07	5.27E-06	7.47E-06	7.88E-04
3589	488363.09	3850377.25	7.62E-04	1.82E-07	5.85E-06	7.71E-06	7.76E-04	7.95E-04	1.86E-03	5.33E-04	2.64E-04	3.45E-03	7.93E-04	2.13E-07	5.85E-06	7.71E-06	8.07E-04
3590	488863.09	3850377.25	7.99E-04	1.87E-07	6.76E-06	8.03E-06	8.14E-04	8.33E-04	1.91E-03	6.17E-04	2.75E-04	3.63E-03	8.32E-04	2.19E-07	6.76E-06	8.03E-06	8.47E-04
3591	489363.09	3850377.25	8.04E-04	1.91E-07	7.23E-06	8.50E-06	8.20E-04	8.39E-04	1.95E-03	6.59E-04	2.91E-04	3.74E-03	8.38E-04	2.23E-07	7.23E-06	8.50E-06	8.54E-04
3592	489863.09	3850377.25	8.01E-04	1.89E-07	7.04E-06	8.96E-06	8.17E-04	8.35E-04	1.93E-03	6.42E-04	3.06E-04	3.72E-03	8.34E-04	2.21E-07	7.04E-06	8.96E-06	8.50E-04
3593	490363.09	3850377.25	8.16E-04	1.90E-07	7.02E-06	9.21E-06	8.32E-04	8.51E-04	1.94E-03	6.40E-04	3.15E-04	3.75E-03	8.50E-04	2.22E-07	7.02E-06	9.21E-06	8.66E-04
3594	490863.09	3850377.25	8.24E-04	1.98E-07	7.12E-06	9.36E-06	8.40E-04	8.59E-04	2.02E-03	6.50E-04	3.20E-04	3.85E-03	8.58E-04	2.31E-07	7.12E-06	9.36E-06	8.74E-04
3595	491363.09	3850377.25	8.45E-04	2.02E-07	6.68E-06	9.67E-06	8.61E-04	8.82E-04	2.07E-03	6.09E-04	3.31E-04	3.89E-03	8.80E-04	2.37E-07	6.68E-06	9.67E-06	8.96E-04

3596	491863.09	3850377.25	8.43E-04	2.02E-07	6.00E-06	9.88E-06	8.59E-04	8.80E-04	2.06E-03	5.47E-04	3.38E-04	3.82E-03	8.78E-04	2.36E-07	6.00E-06	9.88E-06	8.94E-04
3597	492363.09	3850377.25	8.33E-04	1.99E-07	5.63E-06	1.01E-05	8.49E-04	8.70E-04	2.04E-03	5.14E-04	3.47E-04	3.77E-03	8.68E-04	2.33E-07	5.63E-06	1.01E-05	8.84E-04
3598	492863.09	3850377.25	8.53E-04	2.05E-07	5.68E-06	1.04E-05	8.69E-04	8.90E-04	2.09E-03	5.18E-04	3.57E-04	3.86E-03	8.88E-04	2.39E-07	5.68E-06	1.04E-05	9.04E-04
3599	493363.09	3850377.25	8.60E-04	2.07E-07	5.97E-06	1.06E-05	8.77E-04	8.98E-04	2.11E-03	5.45E-04	3.61E-04	3.92E-03	8.96E-04	2.42E-07	5.97E-06	1.06E-05	9.13E-04
3600	493863.09	3850377.25	9.82E-04	2.27E-07	6.87E-06	1.10E-05	1.00E-03	1.02E-03	2.32E-03	6.26E-04	3.76E-04	4.35E-03	1.02E-03	2.66E-07	6.87E-06	1.10E-05	1.04E-03
3601	494363.09	3850377.25	1.10E-03	2.46E-07	7.95E-06	1.14E-05	1.12E-03	1.15E-03	2.51E-03	7.25E-04	3.91E-04	4.77E-03	1.14E-03	2.87E-07	7.95E-06	1.14E-05	1.16E-03
3602	494863.09	3850377.25	1.28E-03	2.74E-07	9.38E-06	1.19E-05	1.30E-03	1.33E-03	2.80E-03	8.55E-04	4.06E-04	5.40E-03	1.33E-03	3.21E-07	9.38E-06	1.19E-05	1.35E-03
3603	495363.09	3850377.25	1.51E-03	3.10E-07	1.05E-05	1.24E-05	1.53E-03	1.57E-03	3.16E-03	9.58E-04	4.23E-04	6.12E-03	1.57E-03	3.62E-07	1.05E-05	1.24E-05	1.59E-03
3604	495863.09	3850377.25	1.51E-03	3.10E-07	1.09E-05	1.27E-05	1.54E-03	1.58E-03	3.17E-03	9.91E-04	4.34E-04	6.17E-03	1.57E-03	3.63E-07	1.09E-05	1.27E-05	1.60E-03
3605	496363.09	3850377.25	1.75E-03	3.43E-07	1.14E-05	1.32E-05	1.78E-03	1.83E-03	3.50E-03	1.04E-03	4.50E-04	6.82E-03	1.83E-03	4.01E-07	1.14E-05	1.32E-05	1.85E-03
3606	496863.09	3850377.25	1.99E-03	3.75E-07	1.14E-05	1.36E-05	2.02E-03	2.08E-03	3.83E-03	1.04E-03	4.65E-04	7.41E-03	2.08E-03	4.38E-07	1.14E-05	1.36E-05	2.10E-03
3607	497363.09	3850377.25	2.13E-03	3.93E-07	1.14E-05	1.40E-05	2.15E-03	2.22E-03	4.02E-03	1.04E-03	4.79E-04	7.76E-03	2.22E-03	4.60E-07	1.14E-05	1.40E-05	2.24E-03
3608	497863.09	3850377.25	2.16E-03	4.02E-07	1.18E-05	1.42E-05	2.18E-03	2.25E-03	4.10E-03	1.08E-03	4.86E-04	7.92E-03	2.25E-03	4.70E-07	1.18E-05	1.42E-05	2.27E-03
3609	498363.09	3850377.25	2.17E-03	4.09E-07	1.26E-05	1.45E-05	2.20E-03	2.26E-03	4.18E-03	1.15E-03	4.96E-04	8.09E-03	2.26E-03	4.79E-07	1.26E-05	1.45E-05	2.29E-03
3610	471363.09	3850877.25	1.15E-03	2.53E-07	4.83E-06	5.36E-06	1.16E-03	1.20E-03	2.59E-03	4.40E-04	1.83E-04	4.41E-03	1.20E-03	2.96E-07	4.83E-06	5.36E-06	1.21E-03
3611	471863.09	3850877.25	1.21E-03	2.85E-07	4.74E-06	5.45E-06	1.22E-03	1.27E-03	2.91E-03	4.32E-04	1.86E-04	4.80E-03	1.26E-03	3.33E-07	4.74E-06	5.45E-06	1.27E-03
3612	472363.09	3850877.25	1.29E-03	3.37E-07	4.64E-06	5.53E-06	1.30E-03	1.35E-03	3.44E-03	4.23E-04	1.89E-04	5.40E-03	1.34E-03	3.94E-07	4.64E-06	5.53E-06	1.35E-03
3613	472863.09	3850877.25	1.35E-03	4.03E-07	4.38E-06	5.58E-06	1.36E-03	1.41E-03	4.12E-03	3.99E-04	1.91E-04	6.12E-03	1.41E-03	4.72E-07	4.38E-06	5.58E-06	1.42E-03
3614	473363.09	3850877.25	1.33E-03	3.95E-07	4.02E-06	5.58E-06	1.34E-03	1.38E-03	4.04E-03	3.66E-04	1.91E-04	5.98E-03	1.38E-03	4.63E-07	4.02E-06	5.58E-06	1.39E-03
3615	473863.09	3850877.25	1.44E-03	4.56E-07	3.78E-06	5.62E-06	1.45E-03	1.51E-03	4.66E-03	3.45E-04	1.92E-04	6.70E-03	1.50E-03	5.33E-07	3.78E-06	5.62E-06	1.51E-03
3616	474363.09	3850877.25	1.57E-03	5.21E-07	3.68E-06	5.68E-06	1.58E-03	1.64E-03	5.32E-03	3.35E-04	1.94E-04	7.49E-03	1.64E-03	6.09E-07	3.68E-06	5.68E-06	1.65E-03
3617	474863.09	3850877.25	1.70E-03	5.40E-07	3.70E-06	5.77E-06	1.71E-03	1.77E-03	5.52E-03	3.37E-04	1.97E-04	7.82E-03	1.77E-03	6.32E-07	3.70E-06	5.77E-06	1.78E-03
3618	475363.09	3850877.25	1.87E-03	5.53E-07	3.83E-06	5.83E-06	1.88E-03	1.95E-03	5.65E-03	3.49E-04	2.00E-04	8.15E-03	1.95E-03	6.47E-07	3.83E-06	5.83E-06	1.96E-03
3619	475863.09	3850877.25	2.07E-03	5.59E-07	4.00E-06	5.92E-06	2.08E-03	2.16E-03	5.71E-03	3.65E-04	2.02E-04	8.44E-03	2.15E-03	6.54E-07	4.00E-06	5.92E-06	2.16E-03
3620	476363.09	3850877.25	2.23E-03	5.58E-07	4.12E-06	6.03E-06	2.24E-03	2.32E-03	5.71E-03	3.76E-04	2.06E-04	8.61E-03	2.32E-03	6.53E-07	4.12E-06	6.03E-06	2.33E-03
3621	476863.09	3850877.25	2.35E-03	5.47E-07	4.15E-06	6.11E-06	2.36E-03	2.45E-03	5.59E-03	3.78E-04	2.09E-04	8.63E-03	2.45E-03	6.40E-07	4.15E-06	6.11E-06	2.46E-03
3622	477363.09	3850877.25	2.41E-03	5.49E-07	4.10E-06	6.16E-06	2.42E-03	2.51E-03	5.61E-03	3.74E-04	2.11E-04	8.71E-03	2.51E-03	6.42E-07	4.10E-06	6.16E-06	2.52E-03
3623	477863.09	3850877.25	2.43E-03	6.24E-07	4.12E-06	6.14E-06	2.44E-03	2.53E-03	6.38E-03	3.76E-04	2.10E-04	9.49E-03	2.53E-03	7.30E-07	4.12E-06	6.14E-06	2.54E-03
3624	478363.09	3850877.25	2.43E-03	7.74E-07	4.21E-06	6.09E-06	2.44E-03	2.53E-03	7.91E-03	3.84E-04	2.08E-04	1.10E-02	2.53E-03	9.05E-07	4.21E-06	6.09E-06	2.54E-03
3625	478863.09	3850877.25	2.39E-03	8.83E-07	4.36E-06	6.07E-06	2.40E-03	2.49E-03	9.02E-03	3.98E-04	2.08E-04	1.21E-02	2.49E-03	1.03E-06	4.36E-06	6.07E-06	2.50E-03
3626	479363.09	3850877.25	2.32E-03	8.45E-07	4.44E-06	6.18E-06	2.33E-03	2.42E-03	8.63E-03	4.05E-04	2.11E-04	1.17E-02	2.41E-03	9.89E-07	4.44E-06	6.18E-06	2.42E-03
3627	479863.09	3850877.25	2.57E-03	7.56E-07	4.42E-06	6.39E-06	2.58E-03	2.68E-03	7.73E-03	4.03E-04	2.19E-04	1.10E-02	2.68E-03	8.85E-07	4.42E-06	6.39E-06	2.69E-03
3628	480363.09	3850877.25	3.42E-03	7.29E-07	4.38E-06	6.57E-06	3.43E-03	3.56E-03	7.45E-03	3.99E-04	2.25E-04	1.16E-02	3.56E-03	8.53E-07	4.38E-06	6.57E-06	3.57E-03
3629	480863.09	3850877.25	3.96E-03	6.46E-07	4.40E-06	7.00E-06	3.97E-03	4.13E-03	6.60E-03	4.01E-04	2.39E-04	1.14E-02	4.12E-03	7.56E-07	4.40E-06	7.00E-06	4.13E-03
3630	481363.09	3850877.25	3.37E-03	5.37E-07	4.95E-06	7.32E-06	3.38E-03	3.52E-03	5.48E-03	4.52E-04	2.50E-04	9.70E-03	3.51E-03	6.28E-07	4.95E-06	7.32E-06	3.52E-03
3631	481863.09	3850877.25	2.72E-03	4.36E-07	6.63E-06	7.71E-06	2.74E-03	2.84E-03	4.46E-03	6.05E-04	2.64E-04	8.17E-03	2.84E-03	5.11E-07	6.63E-06	7.71E-06	2.85E-03
3632	482363.09	3850877.25	2.17E-03	3.35E-07	7.21E-06	8.14E-06	2.19E-03	2.27E-03	3.42E-03	6.57E-04	2.78E-04	6.63E-03	2.26E-03	3.92E-07	7.21E-06	8.14E-06	2.28E-03
3633	482863.09	3850877.25	1.71E-03	2.79E-07	6.04E-06	8.35E-06	1.73E-03	1.79E-03	2.85E-03	5.51E-04	2.86E-04	5.47E-03	1.79E-03	3.26E-07	6.04E-06	8.35E-06	1.80E-03
3634	483363.09	3850877.25	1.26E-03	2.27E-07	5.93E-06	7.41E-06	1.27E-03	1.31E-03	2.32E-03	5.41E-04	2.53E-04	4.43E-03	1.31E-03	2.66E-07	5.93E-06	7.41E-06	1.33E-03
3635	483863.09	3850877.25	1.17E-03	2.19E-07	6.44E-06	7.21E-06	1.18E-03	1.22E-03	2.23E-03	5.88E-04	2.47E-04	4.29E-03	1.22E-03	2.56E-07	6.44E-06	7.21E-06	1.23E-03
3636	484363.09	3850877.25	1.41E-03	2.41E-07	7.31E-06	7.49E-06	1.43E-03	1.47E-03	2.46E-03	6.67E-04	2.56E-04	4.86E-03	1.47E-03	2.82E-07	7.31E-06	7.49E-06	1.48E-03
3637	484863.09	3850877.25	1.42E-03	2.31E-07	7.23E-06	7.92E-06	1.43E-03	1.48E-03	2.36E-03	6.59E-04	2.71E-04	4.77E-03	1.48E-03	2.70E-07	7.23E-06	7.92E-06	1.49E-03
3638	485363.09	3850877.25	1.37E-03	2.44E-07	8.50E-06	8.33E-06	1.39E-03	1.43E-03	2.49E-03	7.76E-04	2.85E-04	4.98E-03	1.43E-03	2.86E-07	8.50E-06	8.33E-06	1.44E-03
3639	485863.09	3850877.25	1.12E-03	2.19E-07	1.02E-05	8.16E-06	1.14E-03	1.17E-03	2.24E-03	9.33E-04	2.79E-04	4.62E-03	1.17E-03	2.57E-07	1.02E-05	8.16E-06	1.19E-03
3640	486363.09	3850877.25	1.10E-03	2.23E-07	1.04E-05	8.35E-06	1.11E-03	1.14E-03	2.28E-03	9.48E-04	2.86E-04	4.66E-03	1.14E-03	2.61E-07	1.04E-05	8.35E-06	1.16E-03
3641	486863.09	3850877.25	1.04E-03	2.26E-07	8.95E-06	8.42E-06	1.06E-03	1.08E-03	2.31E-03	8.16E-04	2.88E-04	4.50E-03	1.08E-03	2.65E-07	8.95E-06	8.42E-06	1.10E-03
3642	487363.09	3850877.25	9.32E-04	2.18E-07	6.46E-06	8.27E-06	9.47E-04	9.72E-04	2.23E-03	5.89E-04	2.83E-04	4.07E-03	9.70E-04	2.55E-07	6.46E-06	8.27E-06	9.85E-04
3643	487863.09	3850877.25	9.30E-04	2.12E-07	5.70E-06	8.40E-06	9.44E-04	9.70E-04	2.17E-03	5.20E-04	2.87E-04	3.95E-03	9.68E-04	2.48E-07	5.70E-06	8.40E-06	9.83E-04
3644	488363.09	3850877.25	9.90E-04	2.19E-07	6.27E-06	8.74E-06	1.00E-03	1.03E-03	2.24E-03	5.72E-04	2.99E-04	4.14E-03	1.03E-03	2.57E-07	6.27E-06	8.74E-06	1.05E-03
3645	488863.09	3850877.25	1.00E-03	2.23E-07	7.29E-06	9.26E-06	1.02E-03	1.05E-03	2.28E-03	6.65E-04	3.17E-04	4.31E-03	1.04E-03	2.61E-07	7.29E-06	9.26E-06	1.06E-03
3646	489363.09	3850877.25	1.02E-03	2.30E-07	7.82E-06	9.84E-06	1.03E-03	1.06E-03	2.35E-03	7.14E-04	3.36E-04	4.46E-03	1.06E-03	2.69E-07	7.82E-06	9.84E-06	1.08E-03
3647	489863.09	3850877.25	1.04E-03	2.31E-07	7.48E-06	1.03E-05	1.05E-03	1.08E-03	2.36E-03	6.83E-04	3.51E-04	4.47E-03	1.08E-03	2.70E-07	7.48E-06	1.03E-05	1.10E-03
3648	490363.09	3850877.25	1.06E-03	2.40E-07	7.76E-06	1.05E-05	1.08E-03	1.11E-03	2.45E-03	7.08E-04	3.60E-04	4.63E-03	1.11E-03	2.81E-07	7.76E-06	1.05E-05	1.13E-03
3649	490863.09	3850877.25	1.11E-03	2.49E-07	7.63E-06	1.08E-05	1.13E-03	1.16E-03	2.54E-03	6.96E-04	3.70E-04	4.76E-03	1.15E-03	2.91E-07	7.63E-06	1.08E-05	1.17E-03
3650	491363.09	3850877.25	1.13E-03	2.52E-07	6.89E-06	1.11E-05	1.15E-03	1.18E-03	2.57E-03	6.28E-04	3.80E-04	4.76E-03	1.18E-03	2.95E-07	6.89E-06	1.11E-05	1.20E-03
3651	491863.09	3850877.25	1.16E-03	2.53E-07	6.29E-06	1.14E-05	1.17E-03	1.21E-03	2.58E-03	5.74E-04	3.91E-04	4.75E-03	1.20E-03	2.95E-07	6.29E-06	1.14E-05	1.22E-03
3652	492363.09	3850877.25	1.17E-03	2.57E-07	6.27E-06	1.17E-05	1.19E-03	1.22E-03	2.63E-03	5.72E-04	4.01E-04	4.82E-03	1.22E-03	3.01E-07	6.27E-06	1.17E-05	1.23E-03
3653	492863.09	3850877.25	1.21E-03	2.67E-07	6.51E-06	1.21E-05	1.23E-03	1.26E-03	2.73E-03	5.93E-04	4.12E-04	5.00E-03	1.26E-03	3.13E-07	6.51E-06	1.21E-05	1.28E-03
3654	493363.09	3850877.25	1.28E-03	2.79E-07	7.38E-06	1.24E-05	1.30E-03	1.34E-03	2.85E-03	6.73E-04	4.23E-04	5.28E-03	1.34E-03	3.26E-07	7.38E-06	1.24E-05	1.36E-03
3655	493863.09	3850877.25	1.48E-03	3.06E-07	8.70E-06	1.28E-05	1.50E-03	1.54E-03	3.12E-03	7.93E-04	4.38E-04	5.90E-03	1.54E-03	3.58E-07	8.70E-06	1.28E-05	1.56E-03
3656	494363.09	3850877.25	1.61E-03	3.24E-07	9.97E-06	1.32E-05	1.63E-03	1.68E-03	3.31E-03	9.09E-04	4.51E-04	6.35E-03	1.68E-03	3.80E-07	9.97E-06	1.32E-05	1.70E-03

3657	494863.09	3850877.25	1.85E-03	3.58E-07	1.12E-05	1.36E-05	1.88E-03	1.93E-03	3.65E-03	1.02E-03	4.67E-04	7.07E-03	1.93E-03	4.18E-07	1.12E-05	1.36E-05	1.95E-03
3658	495363.09	3850877.25	2.11E-03	3.94E-07	1.23E-05	1.42E-05	2.14E-03	2.20E-03	4.02E-03	1.12E-03	4.86E-04	7.84E-03	2.20E-03	4.61E-07	1.23E-05	1.42E-05	2.23E-03
3659	495863.09	3850877.25	2.22E-03	4.08E-07	1.24E-05	1.46E-05	2.25E-03	2.32E-03	4.17E-03	1.13E-03	4.98E-04	8.11E-03	2.31E-03	4.77E-07	1.24E-05	1.46E-05	2.34E-03
3660	496363.09	3850877.25	2.38E-03	4.29E-07	1.23E-05	1.50E-05	2.41E-03	2.49E-03	4.39E-03	1.12E-03	5.14E-04	8.51E-03	2.48E-03	5.02E-07	1.23E-05	1.50E-05	2.51E-03
3661	496863.09	3850877.25	2.63E-03	4.63E-07	1.26E-05	1.55E-05	2.65E-03	2.74E-03	4.73E-03	1.15E-03	5.29E-04	9.15E-03	2.73E-03	5.42E-07	1.26E-05	1.55E-05	2.76E-03
3662	497363.09	3850877.25	2.68E-03	4.75E-07	1.30E-05	1.57E-05	2.70E-03	2.79E-03	4.85E-03	1.19E-03	5.37E-04	9.37E-03	2.79E-03	5.56E-07	1.30E-05	1.57E-05	2.82E-03
3663	497863.09	3850877.25	2.66E-03	4.80E-07	1.38E-05	1.59E-05	2.69E-03	2.78E-03	4.90E-03	1.26E-03	5.43E-04	9.48E-03	2.77E-03	5.61E-07	1.38E-05	1.59E-05	2.80E-03
3664	498363.09	3850877.25	2.63E-03	4.83E-07	1.46E-05	1.60E-05	2.66E-03	2.75E-03	4.94E-03	1.34E-03	5.48E-04	9.57E-03	2.74E-03	5.66E-07	1.46E-05	1.60E-05	2.77E-03
3665	471363.09	3851377.25	1.29E-03	2.63E-07	5.70E-06	5.73E-06	1.30E-03	1.34E-03	2.69E-03	5.20E-04	1.96E-04	4.75E-03	1.34E-03	3.08E-07	5.70E-06	5.73E-06	1.35E-03
3666	471863.09	3851377.25	1.52E-03	3.22E-07	5.83E-06	5.90E-06	1.54E-03	1.59E-03	3.29E-03	5.31E-04	2.02E-04	5.61E-03	1.59E-03	3.77E-07	5.83E-06	5.90E-06	1.60E-03
3667	472363.09	3851377.25	1.54E-03	3.34E-07	5.61E-06	5.92E-06	1.56E-03	1.61E-03	3.42E-03	5.12E-04	2.02E-04	5.74E-03	1.61E-03	3.91E-07	5.61E-06	5.92E-06	1.62E-03
3668	472863.09	3851377.25	1.54E-03	3.48E-07	5.34E-06	5.96E-06	1.55E-03	1.60E-03	3.56E-03	4.87E-04	2.04E-04	5.85E-03	1.60E-03	4.08E-07	5.34E-06	5.96E-06	1.61E-03
3669	473363.09	3851377.25	1.41E-03	3.27E-07	4.91E-06	5.92E-06	1.42E-03	1.47E-03	3.34E-03	4.48E-04	2.02E-04	5.46E-03	1.46E-03	3.82E-07	4.91E-06	5.92E-06	1.48E-03
3670	473863.09	3851377.25	1.43E-03	3.60E-07	4.61E-06	5.98E-06	1.44E-03	1.49E-03	3.68E-03	4.21E-04	2.05E-04	5.79E-03	1.49E-03	4.21E-07	4.61E-06	5.98E-06	1.50E-03
3671	474363.09	3851377.25	1.58E-03	4.50E-07	4.36E-06	6.05E-06	1.59E-03	1.65E-03	4.60E-03	3.98E-04	2.07E-04	6.85E-03	1.64E-03	5.27E-07	4.36E-06	6.05E-06	1.65E-03
3672	474863.09	3851377.25	1.70E-03	5.30E-07	4.08E-06	6.11E-06	1.71E-03	1.77E-03	5.41E-03	3.72E-04	2.09E-04	7.77E-03	1.77E-03	6.20E-07	4.08E-06	6.11E-06	1.78E-03
3673	475363.09	3851377.25	1.82E-03	5.82E-07	3.93E-06	6.18E-06	1.83E-03	1.90E-03	5.95E-03	3.59E-04	2.11E-04	8.42E-03	1.90E-03	6.81E-07	3.93E-06	6.18E-06	1.91E-03
3674	475863.09	3851377.25	1.98E-03	6.06E-07	3.95E-06	6.26E-06	1.99E-03	2.07E-03	6.19E-03	3.61E-04	2.14E-04	8.83E-03	2.06E-03	7.08E-07	3.95E-06	6.26E-06	2.07E-03
3675	476363.09	3851377.25	2.20E-03	6.19E-07	4.10E-06	6.37E-06	2.21E-03	2.29E-03	6.33E-03	3.74E-04	2.18E-04	9.21E-03	2.29E-03	7.25E-07	4.10E-06	6.37E-06	2.30E-03
3676	476863.09	3851377.25	2.44E-03	6.02E-07	4.27E-06	6.48E-06	2.45E-03	2.55E-03	6.15E-03	3.90E-04	2.22E-04	9.31E-03	2.54E-03	7.05E-07	4.27E-06	6.48E-06	2.55E-03
3677	477363.09	3851377.25	2.64E-03	6.27E-07	4.38E-06	6.59E-06	2.65E-03	2.76E-03	6.41E-03	3.99E-04	2.25E-04	9.79E-03	2.75E-03	7.34E-07	4.38E-06	6.59E-06	2.76E-03
3678	477863.09	3851377.25	2.79E-03	6.28E-07	4.38E-06	6.67E-06	2.80E-03	2.91E-03	6.42E-03	3.99E-04	2.28E-04	9.95E-03	2.90E-03	7.35E-07	4.38E-06	6.67E-06	2.91E-03
3679	478363.09	3851377.25	2.84E-03	6.94E-07	4.38E-06	6.67E-06	2.86E-03	2.97E-03	7.09E-03	3.99E-04	2.28E-04	1.07E-02	2.96E-03	8.12E-07	4.38E-06	6.67E-06	2.97E-03
3680	478863.09	3851377.25	2.86E-03	8.78E-07	4.46E-06	6.63E-06	2.87E-03	2.98E-03	8.97E-03	4.07E-04	2.27E-04	1.26E-02	2.98E-03	1.03E-06	4.46E-06	6.63E-06	2.99E-03
3681	479363.09	3851377.25	2.83E-03	9.94E-07	4.61E-06	6.61E-06	2.84E-03	2.95E-03	1.02E-02	4.21E-04	2.26E-04	1.38E-02	2.95E-03	1.16E-06	4.61E-06	6.61E-06	2.96E-03
3682	479863.09	3851377.25	2.73E-03	9.79E-07	4.74E-06	6.74E-06	2.75E-03	2.85E-03	1.00E-02	4.32E-04	2.30E-04	1.35E-02	2.85E-03	1.14E-06	4.74E-06	6.74E-06	2.86E-03
3683	480363.09	3851377.25	2.99E-03	9.22E-07	4.74E-06	6.91E-06	3.01E-03	3.12E-03	9.42E-03	4.32E-04	2.36E-04	1.32E-02	3.12E-03	1.08E-06	4.74E-06	6.91E-06	3.13E-03
3684	480863.09	3851377.25	3.84E-03	8.66E-07	4.68E-06	7.21E-06	3.85E-03	4.00E-03	8.85E-03	4.27E-04	2.47E-04	1.35E-02	4.00E-03	1.01E-06	4.68E-06	7.21E-06	4.01E-03
3685	481363.09	3851377.25	4.55E-03	7.50E-07	4.72E-06	7.60E-06	4.56E-03	4.74E-03	7.66E-03	4.30E-04	2.60E-04	1.31E-02	4.73E-03	8.77E-07	4.72E-06	7.60E-06	4.75E-03
3686	481863.09	3851377.25	3.89E-03	6.16E-07	5.29E-06	8.14E-06	3.91E-03	4.06E-03	6.29E-03	4.83E-04	2.78E-04	1.11E-02	4.06E-03	7.20E-07	5.29E-06	8.14E-06	4.07E-03
3687	482363.09	3851377.25	3.32E-03	5.16E-07	6.95E-06	8.80E-06	3.33E-03	3.46E-03	5.27E-03	6.34E-04	3.01E-04	9.67E-03	3.46E-03	6.04E-07	6.95E-06	8.80E-06	3.47E-03
3688	482863.09	3851377.25	2.73E-03	3.89E-07	7.46E-06	9.24E-06	2.75E-03	2.85E-03	3.98E-03	6.81E-04	3.16E-04	7.83E-03	2.85E-03	4.55E-07	7.46E-06	9.24E-06	2.86E-03
3689	483363.09	3851377.25	1.88E-03	2.97E-07	6.04E-06	8.42E-06	1.89E-03	1.96E-03	3.03E-03	5.51E-04	2.88E-04	5.83E-03	1.95E-03	3.47E-07	6.04E-06	8.42E-06	1.97E-03
3690	483863.09	3851377.25	1.59E-03	2.63E-07	6.87E-06	8.03E-06	1.60E-03	1.66E-03	2.68E-03	6.26E-04	2.75E-04	5.24E-03	1.65E-03	3.07E-07	6.87E-06	8.03E-06	1.67E-03
3691	484363.09	3851377.25	2.01E-03	3.10E-07	9.67E-06	8.33E-06	2.03E-03	2.10E-03	3.16E-03	8.82E-04	2.85E-04	6.43E-03	2.09E-03	3.62E-07	9.67E-06	8.33E-06	2.11E-03
3692	484863.09	3851377.25	1.46E-03	2.42E-07	7.29E-06	8.48E-06	1.47E-03	1.52E-03	2.47E-03	6.65E-04	2.90E-04	4.94E-03	1.52E-03	2.83E-07	7.29E-06	8.48E-06	1.53E-03
3693	485363.09	3851377.25	1.81E-03	2.88E-07	8.48E-06	9.19E-06	1.82E-03	1.88E-03	2.94E-03	7.74E-04	3.14E-04	5.92E-03	1.88E-03	3.37E-07	8.48E-06	9.19E-06	1.90E-03
3694	485863.09	3851377.25	1.43E-03	2.61E-07	1.08E-05	9.24E-06	1.45E-03	1.49E-03	2.67E-03	9.83E-04	3.16E-04	5.46E-03	1.49E-03	3.05E-07	1.08E-05	9.24E-06	1.51E-03
3695	486363.09	3851377.25	1.42E-03	2.73E-07	1.20E-05	9.82E-06	1.44E-03	1.48E-03	2.79E-03	1.10E-03	3.36E-04	5.70E-03	1.47E-03	3.19E-07	1.20E-05	9.82E-06	1.50E-03
3696	486863.09	3851377.25	1.30E-03	2.70E-07	1.09E-05	9.62E-06	1.32E-03	1.36E-03	2.75E-03	9.97E-04	3.29E-04	5.44E-03	1.36E-03	3.15E-07	1.09E-05	9.62E-06	1.38E-03
3697	487363.09	3851377.25	1.07E-03	2.46E-07	7.14E-06	9.24E-06	1.08E-03	1.11E-03	2.52E-03	6.52E-04	3.16E-04	4.60E-03	1.11E-03	2.88E-07	7.14E-06	9.24E-06	1.13E-03
3698	487863.09	3851377.25	1.21E-03	2.56E-07	6.19E-06	9.62E-06	1.22E-03	1.26E-03	2.62E-03	5.64E-04	3.29E-04	4.77E-03	1.26E-03	3.00E-07	6.19E-06	9.62E-06	1.27E-03
3699	488363.09	3851377.25	1.29E-03	2.70E-07	6.78E-06	1.03E-05	1.31E-03	1.35E-03	2.75E-03	6.19E-04	3.52E-04	5.07E-03	1.35E-03	3.15E-07	6.78E-06	1.03E-05	1.37E-03
3700	488863.09	3851377.25	1.30E-03	2.80E-07	7.89E-06	1.10E-05	1.32E-03	1.36E-03	2.86E-03	7.19E-04	3.76E-04	5.32E-03	1.35E-03	3.28E-07	7.89E-06	1.10E-05	1.37E-03
3701	489363.09	3851377.25	1.32E-03	2.87E-07	8.40E-06	1.15E-05	1.34E-03	1.38E-03	2.93E-03	7.66E-04	3.94E-04	5.47E-03	1.38E-03	3.35E-07	8.40E-06	1.15E-05	1.40E-03
3702	489863.09	3851377.25	1.36E-03	2.91E-07	8.46E-06	1.19E-05	1.38E-03	1.42E-03	2.97E-03	7.72E-04	4.06E-04	5.57E-03	1.42E-03	3.41E-07	8.46E-06	1.19E-05	1.44E-03
3703	490363.09	3851377.25	1.43E-03	3.04E-07	8.65E-06	1.22E-05	1.45E-03	1.49E-03	3.10E-03	7.89E-04	4.17E-04	5.80E-03	1.49E-03	3.55E-07	8.65E-06	1.22E-05	1.51E-03
3704	490863.09	3851377.25	1.53E-03	3.15E-07	8.08E-06	1.26E-05	1.55E-03	1.59E-03	3.22E-03	7.37E-04	4.29E-04	5.98E-03	1.59E-03	3.69E-07	8.08E-06	1.26E-05	1.61E-03
3705	491363.09	3851377.25	1.57E-03	3.20E-07	7.12E-06	1.29E-05	1.59E-03	1.64E-03	3.27E-03	6.50E-04	4.42E-04	6.00E-03	1.64E-03	3.74E-07	7.12E-06	1.29E-05	1.66E-03
3706	491863.09	3851377.25	1.61E-03	3.26E-07	6.83E-06	1.33E-05	1.63E-03	1.68E-03	3.33E-03	6.22E-04	4.54E-04	6.09E-03	1.68E-03	3.81E-07	6.83E-06	1.33E-05	1.70E-03
3707	492363.09	3851377.25	1.69E-03	3.40E-07	6.95E-06	1.36E-05	1.71E-03	1.76E-03	3.47E-03	6.34E-04	4.65E-04	6.33E-03	1.76E-03	3.98E-07	6.95E-06	1.36E-05	1.78E-03
3708	492863.09	3851377.25	1.74E-03	3.48E-07	7.65E-06	1.39E-05	1.77E-03	1.82E-03	3.55E-03	6.98E-04	4.76E-04	6.54E-03	1.82E-03	4.07E-07	7.65E-06	1.39E-05	1.84E-03
3709	493363.09	3851377.25	1.66E-03	3.34E-07	8.97E-06	1.41E-05	1.68E-03	1.73E-03	3.42E-03	8.18E-04	4.83E-04	6.45E-03	1.73E-03	3.91E-07	8.97E-06	1.41E-05	1.75E-03
3710	493863.09	3851377.25	1.89E-03	3.65E-07	1.04E-05	1.46E-05	1.92E-03	1.97E-03	3.73E-03	9.52E-04	5.00E-04	7.16E-03	1.97E-03	4.27E-07	1.04E-05	1.46E-05	1.99E-03
3711	494363.09	3851377.25	2.33E-03	4.22E-07	1.21E-05	1.52E-05	2.35E-03	2.43E-03	4.32E-03	1.10E-03	5.21E-04	8.36E-03	2.42E-03	4.94E-07	1.21E-05	1.52E-05	2.45E-03
3712	494863.09	3851377.25	2.50E-03	4.46E-07	1.31E-05	1.57E-05	2.53E-03	2.60E-03	4.56E-03	1.20E-03	5.37E-04	8.90E-03	2.60E-03	5.22E-07	1.31E-05	1.57E-05	2.63E-03
3713	495363.09	3851377.25	2.96E-03	5.04E-07	1.44E-05	1.64E-05	2.99E-03	3.08E-03	5.15E-03	1.31E-03	5.62E-04	1.01E-02	3.08E-03	5.90E-07	1.44E-05	1.64E-05	3.11E-03
3714	495863.09	3851377.25	3.17E-03	5.33E-07	1.40E-05	1.69E-05	3.20E-03	3.30E-03	5.44E-03	1.27E-03	5.77E-04	1.06E-02	3.30E-03	6.23E-07	1.40E-05	1.69E-05	3.33E-03
3715	496363.09	3851377.25	3.29E-03	5.51E-07	1.39E-05	1.72E-05	3.32E-03	3.43E-03	5.63E-03	1.27E-03	5.88E-04	1.09E-02	3.42E-03	6.45E-07	1.39E-05	1.72E-05	3.45E-03
3716	496863.09	3851377.25	3.33E-03	5.64E-07	1.45E-05	1.74E-05	3.37E-03	3.48E-03	5.76E-03	1.32E-03	5.94E-04	1.12E-02	3.47E-03	6.60E-07	1.45E-05	1.74E-05	3.50E-03
3717	497363.09	3851377.25	3.35E-03	5.75E-07	1.54E-05	1.76E-05	3.39E-03	3.50E-03	5.87E-03	1.40E-03	6.01E-04	1.14E-02	3.49E-03	6.72E-07	1.54E-05	1.76E-05	3.52E-03

3718	497863.09	3851377.25	3.32E-03	5.78E-07	1.63E-05	1.76E-05	3.35E-03	3.46E-03	5.91E-03	1.48E-03	6.03E-04	1.15E-02	3.46E-03	6.77E-07	1.63E-05	1.76E-05	3.49E-03
3719	498363.09	3851377.25	3.16E-03	5.66E-07	1.70E-05	1.76E-05	3.19E-03	3.29E-03	5.78E-03	1.55E-03	6.02E-04	1.12E-02	3.29E-03	6.62E-07	1.70E-05	1.76E-05	3.32E-03
3720	471363.09	3851877.25	1.34E-03	2.91E-07	6.21E-06	6.09E-06	1.35E-03	1.40E-03	2.97E-03	5.66E-04	2.08E-04	5.15E-03	1.40E-03	3.41E-07	6.21E-06	6.09E-06	1.41E-03
3721	471863.09	3851877.25	1.35E-03	2.83E-07	6.21E-06	6.16E-06	1.36E-03	1.41E-03	2.89E-03	5.66E-04	2.11E-04	5.07E-03	1.41E-03	3.31E-07	6.21E-06	6.16E-06	1.42E-03
3722	472363.09	3851877.25	1.53E-03	3.14E-07	6.38E-06	6.31E-06	1.54E-03	1.59E-03	3.21E-03	5.82E-04	2.16E-04	5.60E-03	1.59E-03	3.68E-07	6.38E-06	6.31E-06	1.60E-03
3723	472863.09	3851877.25	1.68E-03	3.48E-07	6.38E-06	6.42E-06	1.70E-03	1.76E-03	3.56E-03	5.82E-04	2.19E-04	6.12E-03	1.75E-03	4.08E-07	6.38E-06	6.42E-06	1.77E-03
3724	473363.09	3851877.25	1.64E-03	3.34E-07	6.02E-06	6.39E-06	1.65E-03	1.71E-03	3.41E-03	5.49E-04	2.19E-04	5.89E-03	1.71E-03	3.90E-07	6.02E-06	6.39E-06	1.72E-03
3725	473863.09	3851877.25	1.67E-03	3.44E-07	5.74E-06	6.44E-06	1.68E-03	1.74E-03	3.52E-03	5.24E-04	2.20E-04	6.01E-03	1.74E-03	4.03E-07	5.74E-06	6.44E-06	1.75E-03
3726	474363.09	3851877.25	1.82E-03	4.07E-07	5.55E-06	6.54E-06	1.83E-03	1.90E-03	4.16E-03	5.06E-04	2.24E-04	6.79E-03	1.90E-03	4.76E-07	5.55E-06	6.54E-06	1.91E-03
3727	474863.09	3851877.25	1.92E-03	4.94E-07	5.21E-06	6.63E-06	1.94E-03	2.01E-03	5.04E-03	4.75E-04	2.27E-04	7.75E-03	2.00E-03	5.77E-07	5.21E-06	6.63E-06	2.02E-03
3728	475363.09	3851877.25	1.97E-03	5.57E-07	4.78E-06	6.65E-06	1.98E-03	2.06E-03	5.69E-03	4.36E-04	2.27E-04	8.41E-03	2.05E-03	6.51E-07	4.78E-06	6.65E-06	2.06E-03
3729	475863.09	3851877.25	2.02E-03	5.90E-07	4.42E-06	6.72E-06	2.03E-03	2.11E-03	6.03E-03	4.03E-04	2.30E-04	8.77E-03	2.11E-03	6.90E-07	4.42E-06	6.72E-06	2.12E-03
3730	476363.09	3851877.25	2.07E-03	5.59E-07	4.21E-06	6.78E-06	2.08E-03	2.16E-03	5.71E-03	3.84E-04	2.32E-04	8.49E-03	2.15E-03	6.54E-07	4.21E-06	6.78E-06	2.17E-03
3731	476863.09	3851877.25	2.29E-03	6.08E-07	4.23E-06	6.89E-06	2.30E-03	2.39E-03	6.21E-03	3.86E-04	2.36E-04	9.22E-03	2.38E-03	7.11E-07	4.23E-06	6.89E-06	2.39E-03
3732	477363.09	3851877.25	2.60E-03	6.43E-07	4.40E-06	7.00E-06	2.61E-03	2.71E-03	6.57E-03	4.01E-04	2.39E-04	9.92E-03	2.71E-03	7.52E-07	4.40E-06	7.00E-06	2.72E-03
3733	477863.09	3851877.25	2.94E-03	6.46E-07	4.57E-06	7.15E-06	2.95E-03	3.06E-03	6.60E-03	4.17E-04	2.44E-04	1.03E-02	3.06E-03	7.55E-07	4.57E-06	7.15E-06	3.07E-03
3734	478363.09	3851877.25	3.20E-03	6.19E-07	4.64E-06	7.25E-06	3.21E-03	3.34E-03	6.32E-03	4.23E-04	2.48E-04	1.03E-02	3.33E-03	7.24E-07	4.64E-06	7.25E-06	3.35E-03
3735	478863.09	3851877.25	3.35E-03	7.10E-07	4.66E-06	7.30E-06	3.36E-03	3.50E-03	7.25E-03	4.25E-04	2.50E-04	1.14E-02	3.49E-03	8.30E-07	4.66E-06	7.30E-06	3.50E-03
3736	479363.09	3851877.25	3.42E-03	9.72E-07	4.72E-06	7.28E-06	3.44E-03	3.57E-03	9.93E-03	4.30E-04	2.49E-04	1.42E-02	3.56E-03	1.14E-06	4.72E-06	7.28E-06	3.58E-03
3737	479863.09	3851877.25	3.41E-03	1.15E-06	4.89E-06	7.30E-06	3.42E-03	3.56E-03	1.17E-02	4.46E-04	2.50E-04	1.60E-02	3.55E-03	1.34E-06	4.89E-06	7.30E-06	3.56E-03
3738	480363.09	3851877.25	3.31E-03	1.11E-06	5.04E-06	7.45E-06	3.32E-03	3.45E-03	1.14E-02	4.60E-04	2.55E-04	1.55E-02	3.45E-03	1.30E-06	5.04E-06	7.45E-06	3.46E-03
3739	480863.09	3851877.25	3.47E-03	1.07E-06	5.08E-06	7.66E-06	3.49E-03	3.63E-03	1.09E-02	4.63E-04	2.62E-04	1.52E-02	3.62E-03	1.25E-06	5.08E-06	7.66E-06	3.63E-03
3740	481363.09	3851877.25	4.62E-03	1.01E-06	5.06E-06	8.12E-06	4.63E-03	4.82E-03	1.03E-02	4.61E-04	2.78E-04	1.58E-02	4.81E-03	1.18E-06	5.06E-06	8.12E-06	4.82E-03
3741	481863.09	3851877.25	5.38E-03	8.30E-07	5.06E-06	8.63E-06	5.40E-03	5.62E-03	8.48E-03	4.61E-04	2.95E-04	1.49E-02	5.60E-03	9.71E-07	5.06E-06	8.63E-06	5.62E-03
3742	482363.09	3851877.25	4.28E-03	5.76E-07	6.00E-06	9.54E-06	4.30E-03	4.47E-03	5.89E-03	5.47E-04	3.26E-04	1.12E-02	4.46E-03	6.74E-07	6.00E-06	9.54E-06	4.47E-03
3743	482863.09	3851877.25	2.99E-03	4.10E-07	8.44E-06	9.80E-06	3.00E-03	3.12E-03	4.19E-03	7.70E-04	3.35E-04	8.41E-03	3.11E-03	4.80E-07	8.44E-06	9.80E-06	3.13E-03
3744	483363.09	3851877.25	3.00E-03	4.10E-07	7.63E-06	9.99E-06	3.01E-03	3.13E-03	4.19E-03	6.96E-04	3.42E-04	8.35E-03	3.12E-03	4.80E-07	7.63E-06	9.99E-06	3.14E-03
3745	483863.09	3851877.25	2.63E-03	3.65E-07	7.10E-06	9.52E-06	2.64E-03	2.74E-03	3.72E-03	6.48E-04	3.25E-04	7.44E-03	2.73E-03	4.26E-07	7.10E-06	9.52E-06	2.75E-03
3746	484363.09	3851877.25	2.77E-03	3.82E-07	1.02E-05	9.39E-06	2.79E-03	2.89E-03	3.91E-03	9.35E-04	3.21E-04	8.06E-03	2.89E-03	4.47E-07	1.02E-05	9.39E-06	2.91E-03
3747	484863.09	3851877.25	2.45E-03	3.41E-07	9.95E-06	9.75E-06	2.47E-03	2.55E-03	3.49E-03	9.07E-04	3.34E-04	7.28E-03	2.55E-03	3.99E-07	9.95E-06	9.75E-06	2.57E-03
3748	485363.09	3851877.25	2.32E-03	3.48E-07	8.65E-06	1.02E-05	2.34E-03	2.42E-03	3.55E-03	7.89E-04	3.49E-04	7.11E-03	2.41E-03	4.07E-07	8.65E-06	1.02E-05	2.43E-03
3749	485863.09	3851877.25	2.23E-03	3.55E-07	1.09E-05	1.13E-05	2.25E-03	2.33E-03	3.63E-03	9.97E-04	3.88E-04	7.34E-03	2.32E-03	4.16E-07	1.09E-05	1.13E-05	2.35E-03
3750	486363.09	3851877.25	1.74E-03	3.22E-07	1.32E-05	1.14E-05	1.76E-03	1.82E-03	3.29E-03	1.21E-03	3.89E-04	6.70E-03	1.81E-03	3.77E-07	1.32E-05	1.14E-05	1.84E-03
3751	486863.09	3851877.25	1.63E-03	3.23E-07	1.29E-05	1.10E-05	1.65E-03	1.70E-03	3.30E-03	1.18E-03	3.78E-04	6.55E-03	1.70E-03	3.78E-07	1.29E-05	1.10E-05	1.72E-03
3752	487363.09	3851877.25	1.59E-03	3.24E-07	8.84E-06	1.10E-05	1.61E-03	1.65E-03	3.31E-03	8.07E-04	3.77E-04	6.14E-03	1.65E-03	3.79E-07	8.84E-06	1.10E-05	1.67E-03
3753	487863.09	3851877.25	1.43E-03	3.02E-07	6.68E-06	1.15E-05	1.44E-03	1.49E-03	3.09E-03	6.09E-04	3.92E-04	5.57E-03	1.48E-03	3.53E-07	6.68E-06	1.15E-05	1.50E-03
3754	488363.09	3851877.25	1.50E-03	3.21E-07	7.29E-06	1.23E-05	1.51E-03	1.56E-03	3.27E-03	6.65E-04	4.20E-04	5.92E-03	1.56E-03	3.75E-07	7.29E-06	1.23E-05	1.58E-03
3755	488863.09	3851877.25	1.44E-03	3.24E-07	8.50E-06	1.28E-05	1.46E-03	1.51E-03	3.31E-03	7.76E-04	4.37E-04	6.02E-03	1.50E-03	3.79E-07	8.50E-06	1.28E-05	1.52E-03
3756	489363.09	3851877.25	1.48E-03	3.27E-07	8.89E-06	1.32E-05	1.50E-03	1.54E-03	3.35E-03	8.11E-04	4.53E-04	6.15E-03	1.54E-03	3.83E-07	8.89E-06	1.32E-05	1.56E-03
3757	489863.09	3851877.25	1.59E-03	3.38E-07	8.67E-06	1.37E-05	1.61E-03	1.66E-03	3.46E-03	7.91E-04	4.68E-04	6.38E-03	1.66E-03	3.96E-07	8.67E-06	1.37E-05	1.68E-03
3758	490363.09	3851877.25	1.79E-03	3.62E-07	8.89E-06	1.41E-05	1.81E-03	1.87E-03	3.70E-03	8.11E-04	4.83E-04	6.86E-03	1.86E-03	4.24E-07	8.89E-06	1.41E-05	1.89E-03
3759	490863.09	3851877.25	1.99E-03	3.88E-07	8.38E-06	1.46E-05	2.02E-03	2.08E-03	3.97E-03	7.64E-04	5.01E-04	7.31E-03	2.08E-03	4.55E-07	8.38E-06	1.46E-05	2.10E-03
3760	491363.09	3851877.25	2.20E-03	4.13E-07	7.91E-06	1.52E-05	2.23E-03	2.30E-03	4.22E-03	7.21E-04	5.18E-04	7.76E-03	2.29E-03	4.83E-07	7.91E-06	1.52E-05	2.32E-03
3761	491863.09	3851877.25	2.40E-03	4.37E-07	7.95E-06	1.56E-05	2.42E-03	2.50E-03	4.47E-03	7.25E-04	5.34E-04	8.23E-03	2.49E-03	5.11E-07	7.95E-06	1.56E-05	2.52E-03
3762	492363.09	3851877.25	2.47E-03	4.46E-07	8.14E-06	1.60E-05	2.50E-03	2.58E-03	4.56E-03	7.43E-04	5.46E-04	8.43E-03	2.58E-03	5.22E-07	8.14E-06	1.60E-05	2.60E-03
3763	492863.09	3851877.25	2.26E-03	4.19E-07	9.38E-06	1.61E-05	2.29E-03	2.36E-03	4.28E-03	8.55E-04	5.49E-04	8.04E-03	2.36E-03	4.90E-07	9.38E-06	1.61E-05	2.38E-03
3764	493363.09	3851877.25	2.81E-03	4.83E-07	1.17E-05	1.68E-05	2.84E-03	2.93E-03	4.94E-03	1.07E-03	5.75E-04	9.52E-03	2.93E-03	5.66E-07	1.17E-05	1.68E-05	2.96E-03
3765	493863.09	3851877.25	3.44E-03	5.62E-07	1.43E-05	1.76E-05	3.47E-03	3.59E-03	5.74E-03	1.31E-03	6.03E-04	1.12E-02	3.58E-03	6.57E-07	1.43E-05	1.76E-05	3.61E-03
3766	494363.09	3851877.25	3.43E-03	5.65E-07	1.55E-05	1.79E-05	3.47E-03	3.58E-03	5.77E-03	1.42E-03	6.12E-04	1.14E-02	3.58E-03	6.61E-07	1.55E-05	1.79E-05	3.61E-03
3767	494863.09	3851877.25	3.87E-03	6.20E-07	1.59E-05	1.85E-05	3.91E-03	4.04E-03	6.34E-03	1.45E-03	6.34E-04	1.25E-02	4.03E-03	7.26E-07	1.59E-05	1.85E-05	4.07E-03
3768	495363.09	3851877.25	4.15E-03	6.57E-07	1.56E-05	1.90E-05	4.18E-03	4.33E-03	6.71E-03	1.42E-03	6.50E-04	1.31E-02	4.32E-03	7.68E-07	1.56E-05	1.90E-05	4.35E-03
3769	495863.09	3851877.25	4.32E-03	6.84E-07	1.57E-05	1.93E-05	4.35E-03	4.50E-03	6.99E-03	1.43E-03	6.60E-04	1.36E-02	4.50E-03	8.01E-07	1.57E-05	1.93E-05	4.53E-03
3770	496363.09	3851877.25	4.30E-03	6.90E-07	1.62E-05	1.94E-05	4.33E-03	4.48E-03	7.05E-03	1.48E-03	6.65E-04	1.37E-02	4.47E-03	8.07E-07	1.62E-05	1.94E-05	4.51E-03
3771	496863.09	3851877.25	4.24E-03	6.90E-07	1.73E-05	1.95E-05	4.28E-03	4.43E-03	7.05E-03	1.58E-03	6.66E-04	1.37E-02	4.42E-03	8.08E-07	1.73E-05	1.95E-05	4.45E-03
3772	497363.09	3851877.25	4.15E-03	6.87E-07	1.83E-05	1.94E-05	4.19E-03	4.33E-03	7.02E-03	1.67E-03	6.64E-04	1.37E-02	4.32E-03	8.04E-07	1.83E-05	1.94E-05	4.36E-03
3773	497863.09	3851877.25	3.90E-03	6.66E-07	1.91E-05	1.93E-05	3.94E-03	4.07E-03	6.80E-03	1.74E-03	6.60E-04	1.33E-02	4.06E-03	7.79E-07	1.91E-05	1.93E-05	4.10E-03
3774	498363.09	3851877.25	3.65E-03	6.46E-07	2.00E-05	1.92E-05	3.69E-03	3.81E-03	6.60E-03	1.82E-03	6.58E-04	1.29E-02	3.80E-03	7.56E-07	2.00E-05	1.92E-05	3.84E-03
3775	471363.09	3852377.25	1.22E-03	2.80E-07	6.06E-06	6.31E-06	1.24E-03	1.28E-03	2.86E-03	5.53E-04	2.16E-04	4.91E-03	1.27E-03	3.28E-07	6.06E-06	6.31E-06	1.29E-03
3776	471863.09	3852377.25	1.39E-03	3.07E-07	6.31E-06	6.46E-06	1.40E-03	1.45E-03	3.14E-03	5.76E-04	2.21E-04	5.39E-03	1.45E-03	3.60E-07	6.31E-06	6.46E-06	1.46E-03
3777	472363.09	3852377.25	1.52E-03	3.25E-07	6.61E-06	6.61E-06	1.53E-03	1.58E-03	3.32E-03	6.03E-04	2.26E-04	5.74E-03	1.58E-03	3.80E-07	6.61E-06	6.61E-06	1.59E-03
3778	472863.09	3852377.25	1.63E-03	3.41E-07	6.87E-06	6.76E-06	1.65E-03	1.70E-03	3.49E-03	6.26E-04	2.31E-04	6.05E-03	1.70E-03	3.99E-07	6.87E-06	6.76E-06	1.72E-03

3779	473363.09	3852377.25	1.73E-03	3.53E-07	6.97E-06	6.89E-06	1.74E-03	1.80E-03	3.61E-03	6.36E-04	2.36E-04	6.28E-03	1.80E-03	4.13E-07	6.97E-06	6.89E-06	1.81E-03
3780	473863.09	3852377.25	1.80E-03	3.62E-07	6.91E-06	7.00E-06	1.81E-03	1.88E-03	3.70E-03	6.30E-04	2.39E-04	6.45E-03	1.87E-03	4.24E-07	6.91E-06	7.00E-06	1.89E-03
3781	474363.09	3852377.25	1.89E-03	3.77E-07	6.70E-06	7.06E-06	1.90E-03	1.97E-03	3.85E-03	6.11E-04	2.41E-04	6.67E-03	1.97E-03	4.41E-07	6.70E-06	7.06E-06	1.98E-03
3782	474863.09	3852377.25	2.26E-03	4.83E-07	6.65E-06	7.25E-06	2.27E-03	2.35E-03	4.94E-03	6.07E-04	2.48E-04	8.15E-03	2.35E-03	5.66E-07	6.65E-06	7.25E-06	2.36E-03
3783	475363.09	3852377.25	2.31E-03	5.07E-07	6.23E-06	7.28E-06	2.32E-03	2.41E-03	5.18E-03	5.68E-04	2.49E-04	8.40E-03	2.40E-03	5.93E-07	6.23E-06	7.28E-06	2.42E-03
3784	475863.09	3852377.25	2.31E-03	5.28E-07	5.74E-06	7.30E-06	2.32E-03	2.41E-03	5.40E-03	5.24E-04	2.50E-04	8.58E-03	2.41E-03	6.18E-07	5.74E-06	7.30E-06	2.42E-03
3785	476363.09	3852377.25	2.26E-03	5.21E-07	5.19E-06	7.32E-06	2.27E-03	2.36E-03	5.33E-03	4.73E-04	2.50E-04	8.41E-03	2.35E-03	6.10E-07	5.19E-06	7.32E-06	2.37E-03
3786	476863.09	3852377.25	2.31E-03	5.46E-07	4.76E-06	7.41E-06	2.33E-03	2.41E-03	5.58E-03	4.34E-04	2.53E-04	8.68E-03	2.41E-03	6.39E-07	4.76E-06	7.41E-06	2.42E-03
3787	477363.09	3852377.25	2.37E-03	5.48E-07	4.59E-06	7.56E-06	2.39E-03	2.48E-03	5.59E-03	4.19E-04	2.58E-04	8.75E-03	2.47E-03	6.41E-07	4.59E-06	7.56E-06	2.48E-03
3788	477863.09	3852377.25	2.31E-03	4.79E-07	4.53E-06	7.62E-06	2.32E-03	2.41E-03	4.89E-03	4.13E-04	2.61E-04	7.97E-03	2.40E-03	5.60E-07	4.53E-06	7.62E-06	2.41E-03
3789	478363.09	3852377.25	2.40E-03	4.45E-07	4.72E-06	7.77E-06	2.41E-03	2.50E-03	4.55E-03	4.30E-04	2.66E-04	7.75E-03	2.50E-03	5.20E-07	4.72E-06	7.77E-06	2.51E-03
3790	478863.09	3852377.25	3.18E-03	5.17E-07	4.98E-06	8.01E-06	3.19E-03	3.32E-03	5.29E-03	4.54E-04	2.74E-04	9.33E-03	3.31E-03	6.05E-07	4.98E-06	8.01E-06	3.32E-03
3791	479363.09	3852377.25	3.72E-03	5.83E-07	5.04E-06	8.12E-06	3.73E-03	3.88E-03	5.96E-03	4.60E-04	2.78E-04	1.06E-02	3.87E-03	6.82E-07	5.04E-06	8.12E-06	3.89E-03
3792	479863.09	3852377.25	4.10E-03	9.25E-07	5.02E-06	8.12E-06	4.11E-03	4.28E-03	9.45E-03	4.58E-04	2.78E-04	1.45E-02	4.27E-03	1.08E-06	5.02E-06	8.12E-06	4.28E-03
3793	480363.09	3852377.25	4.18E-03	1.33E-06	5.21E-06	8.20E-06	4.19E-03	4.36E-03	1.36E-02	4.75E-04	2.81E-04	1.87E-02	4.35E-03	1.56E-06	5.21E-06	8.20E-06	4.37E-03
3794	480863.09	3852377.25	4.10E-03	1.30E-06	5.40E-06	8.40E-06	4.11E-03	4.28E-03	1.32E-02	4.93E-04	2.87E-04	1.83E-02	4.27E-03	1.52E-06	5.40E-06	8.40E-06	4.28E-03
3795	481363.09	3852377.25	4.15E-03	1.25E-06	5.49E-06	8.80E-06	4.17E-03	4.33E-03	1.28E-02	5.00E-04	3.01E-04	1.79E-02	4.32E-03	1.47E-06	5.49E-06	8.80E-06	4.34E-03
3796	481863.09	3852377.25	5.49E-03	1.13E-06	5.46E-06	9.36E-06	5.50E-03	5.73E-03	1.15E-02	4.98E-04	3.20E-04	1.81E-02	5.72E-03	1.32E-06	5.46E-06	9.36E-06	5.73E-03
3797	482363.09	3852377.25	6.50E-03	9.93E-07	5.49E-06	1.02E-05	6.52E-03	6.78E-03	1.01E-02	5.00E-04	3.50E-04	1.78E-02	6.77E-03	1.16E-06	5.49E-06	1.02E-05	6.78E-03
3798	482863.09	3852377.25	5.54E-03	7.88E-07	6.25E-06	1.07E-05	5.56E-03	5.78E-03	8.05E-03	5.70E-04	3.67E-04	1.48E-02	5.77E-03	9.22E-07	6.25E-06	1.07E-05	5.79E-03
3799	483363.09	3852377.25	4.47E-03	5.38E-07	8.76E-06	1.13E-05	4.49E-03	4.66E-03	5.50E-03	7.99E-04	3.86E-04	1.13E-02	4.65E-03	6.30E-07	8.76E-06	1.13E-05	4.67E-03
3800	483863.09	3852377.25	3.41E-03	4.41E-07	7.78E-06	1.09E-05	3.43E-03	3.56E-03	4.51E-03	7.10E-04	3.74E-04	9.15E-03	3.55E-03	5.16E-07	7.78E-06	1.09E-05	3.57E-03
3801	484363.09	3852377.25	3.75E-03	4.62E-07	8.59E-06	1.09E-05	3.77E-03	3.91E-03	4.72E-03	7.83E-04	3.72E-04	9.78E-03	3.90E-03	5.40E-07	8.59E-06	1.09E-05	3.92E-03
3802	484863.09	3852377.25	3.67E-03	4.67E-07	1.17E-05	1.09E-05	3.69E-03	3.83E-03	4.77E-03	1.06E-03	3.72E-04	1.00E-02	3.82E-03	5.47E-07	1.17E-05	1.09E-05	3.85E-03
3803	485363.09	3852377.25	3.57E-03	4.81E-07	9.72E-06	1.22E-05	3.59E-03	3.73E-03	4.92E-03	8.86E-04	4.18E-04	9.95E-03	3.72E-03	5.63E-07	9.72E-06	1.22E-05	3.74E-03
3804	485863.09	3852377.25	2.99E-03	4.45E-07	1.05E-05	1.37E-05	3.01E-03	3.12E-03	4.55E-03	9.56E-04	4.68E-04	9.09E-03	3.11E-03	5.20E-07	1.05E-05	1.37E-05	3.14E-03
3805	486363.09	3852377.25	2.20E-03	3.92E-07	1.43E-05	1.31E-05	2.23E-03	2.30E-03	4.00E-03	1.30E-03	4.48E-04	8.05E-03	2.29E-03	4.58E-07	1.43E-05	1.31E-05	2.32E-03
3806	486863.09	3852377.25	2.01E-03	3.88E-07	1.42E-05	1.31E-05	2.04E-03	2.10E-03	3.97E-03	1.30E-03	4.48E-04	7.82E-03	2.10E-03	4.55E-07	1.42E-05	1.31E-05	2.12E-03
3807	487363.09	3852377.25	1.84E-03	3.84E-07	9.82E-06	1.36E-05	1.87E-03	1.92E-03	3.92E-03	8.96E-04	4.65E-04	7.21E-03	1.92E-03	4.49E-07	9.82E-06	1.36E-05	1.94E-03
3808	487863.09	3852377.25	1.77E-03	3.79E-07	7.27E-06	1.41E-05	1.79E-03	1.84E-03	3.87E-03	6.63E-04	4.83E-04	6.86E-03	1.84E-03	4.44E-07	7.27E-06	1.41E-05	1.86E-03
3809	488363.09	3852377.25	1.71E-03	3.84E-07	7.89E-06	1.46E-05	1.74E-03	1.79E-03	3.92E-03	7.19E-04	4.98E-04	6.93E-03	1.78E-03	4.49E-07	7.89E-06	1.46E-05	1.81E-03
3810	488863.09	3852377.25	1.71E-03	3.85E-07	9.14E-06	1.51E-05	1.73E-03	1.78E-03	3.94E-03	8.34E-04	5.15E-04	7.07E-03	1.78E-03	4.51E-07	9.14E-06	1.51E-05	1.80E-03
3811	489363.09	3852377.25	1.84E-03	3.92E-07	9.29E-06	1.56E-05	1.86E-03	1.92E-03	4.00E-03	8.47E-04	5.35E-04	7.30E-03	1.91E-03	4.58E-07	9.29E-06	1.56E-05	1.94E-03
3812	489863.09	3852377.25	1.90E-03	3.91E-07	9.16E-06	1.59E-05	1.93E-03	1.98E-03	3.99E-03	8.36E-04	5.45E-04	7.36E-03	1.98E-03	4.57E-07	9.16E-06	1.59E-05	2.00E-03
3813	490363.09	3852377.25	2.30E-03	4.40E-07	9.06E-06	1.66E-05	2.33E-03	2.40E-03	4.50E-03	8.26E-04	5.68E-04	8.29E-03	2.40E-03	5.15E-07	9.06E-06	1.66E-05	2.42E-03
3814	490863.09	3852377.25	2.69E-03	4.84E-07	8.48E-06	1.73E-05	2.72E-03	2.81E-03	4.95E-03	7.74E-04	5.91E-04	9.12E-03	2.80E-03	5.67E-07	8.48E-06	1.73E-05	2.83E-03
3815	491363.09	3852377.25	3.38E-03	5.62E-07	9.04E-06	1.81E-05	3.41E-03	3.53E-03	5.74E-03	8.24E-04	6.20E-04	1.07E-02	3.52E-03	6.57E-07	9.04E-06	1.81E-05	3.55E-03
3816	491863.09	3852377.25	3.69E-03	5.95E-07	9.33E-06	1.87E-05	3.72E-03	3.85E-03	6.08E-03	8.51E-04	6.38E-04	1.14E-02	3.84E-03	6.97E-07	9.33E-06	1.87E-05	3.87E-03
3817	492363.09	3852377.25	3.93E-03	6.21E-07	1.08E-05	1.92E-05	3.96E-03	4.10E-03	6.34E-03	9.83E-04	6.57E-04	1.21E-02	4.09E-03	7.26E-07	1.08E-05	1.92E-05	4.12E-03
3818	492863.09	3852377.25	4.35E-03	6.67E-07	1.34E-05	1.99E-05	4.39E-03	4.54E-03	6.82E-03	1.23E-03	6.80E-04	1.33E-02	4.53E-03	7.81E-07	1.34E-05	1.99E-05	4.57E-03
3819	493363.09	3852377.25	5.01E-03	7.40E-07	1.65E-05	2.06E-05	5.05E-03	5.23E-03	7.56E-03	1.51E-03	7.03E-04	1.50E-02	5.21E-03	8.66E-07	1.65E-05	2.06E-05	5.25E-03
3820	493863.09	3852377.25	5.09E-03	7.54E-07	1.81E-05	2.08E-05	5.13E-03	5.31E-03	7.70E-03	1.65E-03	7.10E-04	1.54E-02	5.30E-03	8.82E-07	1.81E-05	2.08E-05	5.34E-03
3821	494363.09	3852377.25	5.12E-03	7.66E-07	1.79E-05	2.10E-05	5.16E-03	5.34E-03	7.83E-03	1.63E-03	7.17E-04	1.55E-02	5.33E-03	8.96E-07	1.79E-05	2.10E-05	5.37E-03
3822	494863.09	3852377.25	5.46E-03	8.11E-07	1.77E-05	2.14E-05	5.50E-03	5.69E-03	8.29E-03	1.62E-03	7.30E-04	1.63E-02	5.68E-03	9.49E-07	1.77E-05	2.14E-05	5.72E-03
3823	495363.09	3852377.25	5.79E-03	8.58E-07	1.78E-05	2.17E-05	5.83E-03	6.04E-03	8.77E-03	1.63E-03	7.43E-04	1.72E-02	6.03E-03	1.00E-06	1.78E-05	2.17E-05	6.07E-03
3824	495863.09	3852377.25	5.62E-03	8.48E-07	1.84E-05	2.17E-05	5.66E-03	5.86E-03	8.66E-03	1.68E-03	7.43E-04	1.69E-02	5.85E-03	9.92E-07	1.84E-05	2.17E-05	5.89E-03
3825	496363.09	3852377.25	5.42E-03	8.35E-07	1.96E-05	2.16E-05	5.46E-03	5.66E-03	8.53E-03	1.79E-03	7.40E-04	1.67E-02	5.64E-03	9.77E-07	1.96E-05	2.16E-05	5.69E-03
3826	496863.09	3852377.25	5.28E-03	8.31E-07	2.10E-05	2.16E-05	5.33E-03	5.51E-03	8.49E-03	1.92E-03	7.38E-04	1.67E-02	5.50E-03	9.72E-07	2.10E-05	2.16E-05	5.55E-03
3827	497363.09	3852377.25	4.83E-03	7.89E-07	2.18E-05	2.12E-05	4.87E-03	5.04E-03	8.06E-03	1.99E-03	7.26E-04	1.58E-02	5.03E-03	9.23E-07	2.18E-05	2.12E-05	5.07E-03
3828	497863.09	3852377.25	4.36E-03	7.47E-07	2.27E-05	2.10E-05	4.40E-03	4.55E-03	7.63E-03	2.07E-03	7.19E-04	1.50E-02	4.54E-03	8.74E-07	2.27E-05	2.10E-05	4.58E-03
3829	498363.09	3852377.25	3.94E-03	7.09E-07	2.33E-05	2.09E-05	3.98E-03	4.11E-03	7.24E-03	2.13E-03	7.13E-04	1.42E-02	4.10E-03	8.30E-07	2.33E-05	2.09E-05	4.15E-03
3830	471363.09	3852877.25	1.37E-03	3.06E-07	6.42E-06	6.63E-06	1.38E-03	1.43E-03	3.12E-03	5.86E-04	2.27E-04	5.36E-03	1.42E-03	3.58E-07	6.42E-06	6.63E-06	1.44E-03
3831	471863.09	3852877.25	1.49E-03	3.27E-07	6.51E-06	6.80E-06	1.50E-03	1.55E-03	3.35E-03	5.93E-04	2.33E-04	5.72E-03	1.55E-03	3.83E-07	6.51E-06	6.80E-06	1.56E-03
3832	472363.09	3852877.25	1.62E-03	3.49E-07	6.70E-06	6.97E-06	1.64E-03	1.69E-03	3.57E-03	6.11E-04	2.39E-04	6.11E-03	1.69E-03	4.08E-07	6.70E-06	6.97E-06	1.70E-03
3833	472863.09	3852877.25	1.73E-03	3.68E-07	6.87E-06	7.13E-06	1.74E-03	1.81E-03	3.76E-03	6.26E-04	2.44E-04	6.43E-03	1.80E-03	4.30E-07	6.87E-06	7.13E-06	1.82E-03
3834	473363.09	3852877.25	1.86E-03	3.87E-07	7.14E-06	7.28E-06	1.87E-03	1.94E-03	3.95E-03	6.52E-04	2.49E-04	6.79E-03	1.93E-03	4.53E-07	7.14E-06	7.28E-06	1.95E-03
3835	473863.09	3852877.25	2.02E-03	4.14E-07	7.46E-06	7.47E-06	2.03E-03	2.11E-03	4.23E-03	6.81E-04	2.55E-04	7.27E-03	2.10E-03	4.84E-07	7.46E-06	7.47E-06	2.12E-03
3836	474363.09	3852877.25	2.21E-03	4.46E-07	7.74E-06	7.69E-06	2.23E-03	2.31E-03	4.56E-03	7.06E-04	2.63E-04	7.84E-03	2.30E-03	5.22E-07	7.74E-06	7.69E-06	2.32E-03
3837	474863.09	3852877.25	2.15E-03	4.23E-07	7.70E-06	7.77E-06	2.17E-03	2.24E-03	4.32E-03	7.02E-04	2.66E-04	7.54E-03	2.24E-03	4.95E-07	7.70E-06	7.77E-06	2.26E-03
3838	475363.09	3852877.25	2.38E-03	4.69E-07	7.65E-06	7.97E-06	2.40E-03	2.48E-03	4.79E-03	6.98E-04	2.72E-04	8.24E-03	2.48E-03	5.48E-07	7.65E-06	7.97E-06	2.50E-03
3839	475863.09	3852877.25	2.49E-03	4.87E-07	7.34E-06	8.05E-06	2.50E-03	2.60E-03	4.97E-03	6.69E-04	2.75E-04	8.51E-03	2.59E-03	5.69E-07	7.34E-06	8.05E-06	2.61E-03

3840	476363.09	3852877.25	2.42E-03	4.71E-07	6.78E-06	8.05E-06	2.44E-03	2.53E-03	4.81E-03	6.19E-04	2.75E-04	8.24E-03	2.53E-03	5.51E-07	6.78E-06	8.05E-06	2.54E-03
3841	476863.09	3852877.25	2.20E-03	4.32E-07	6.04E-06	7.99E-06	2.22E-03	2.30E-03	4.41E-03	5.51E-04	2.73E-04	7.53E-03	2.29E-03	5.05E-07	6.04E-06	7.99E-06	2.31E-03
3842	477363.09	3852877.25	1.99E-03	4.00E-07	5.32E-06	8.01E-06	2.01E-03	2.08E-03	4.09E-03	4.85E-04	2.74E-04	6.93E-03	2.08E-03	4.68E-07	5.32E-06	8.01E-06	2.09E-03
3843	477863.09	3852877.25	1.77E-03	3.70E-07	4.76E-06	8.12E-06	1.78E-03	1.84E-03	3.78E-03	4.34E-04	2.78E-04	6.34E-03	1.84E-03	4.33E-07	4.76E-06	8.12E-06	1.85E-03
3844	478363.09	3852877.25	1.38E-03	3.31E-07	4.42E-06	8.22E-06	1.39E-03	1.44E-03	3.38E-03	4.03E-04	2.81E-04	5.50E-03	1.43E-03	3.87E-07	4.42E-06	8.22E-06	1.45E-03
3845	478863.09	3852877.25	1.66E-03	3.75E-07	4.61E-06	8.50E-06	1.68E-03	1.74E-03	3.83E-03	4.21E-04	2.91E-04	6.28E-03	1.73E-03	4.39E-07	4.61E-06	8.50E-06	1.75E-03
3846	479363.09	3852877.25	2.48E-03	4.48E-07	5.04E-06	8.83E-06	2.50E-03	2.59E-03	4.58E-03	4.60E-04	3.02E-04	7.93E-03	2.58E-03	5.24E-07	5.04E-06	8.83E-06	2.60E-03
3847	479863.09	3852877.25	4.28E-03	6.61E-07	5.38E-06	9.17E-06	4.30E-03	4.47E-03	6.75E-03	4.91E-04	3.14E-04	1.20E-02	4.46E-03	7.73E-07	5.38E-06	9.17E-06	4.48E-03
3848	480363.09	3852877.25	5.02E-03	1.19E-06	5.42E-06	9.26E-06	5.03E-03	5.24E-03	1.21E-02	4.94E-04	3.17E-04	1.82E-02	5.22E-03	1.39E-06	5.42E-06	9.26E-06	5.24E-03
3849	480863.09	3852877.25	5.25E-03	1.45E-06	5.55E-06	9.47E-06	5.26E-03	5.47E-03	1.48E-02	5.06E-04	3.24E-04	2.11E-02	5.46E-03	1.69E-06	5.55E-06	9.47E-06	5.48E-03
3850	481363.09	3852877.25	5.20E-03	1.56E-06	5.83E-06	9.77E-06	5.22E-03	5.43E-03	1.60E-02	5.31E-04	3.34E-04	2.23E-02	5.42E-03	1.83E-06	5.83E-06	9.77E-06	5.44E-03
3851	481863.09	3852877.25	5.17E-03	1.47E-06	5.95E-06	1.06E-05	5.18E-03	5.39E-03	1.50E-02	5.43E-04	3.63E-04	2.13E-02	5.38E-03	1.72E-06	5.95E-06	1.06E-05	5.40E-03
3852	482363.09	3852877.25	6.69E-03	1.36E-06	5.95E-06	1.15E-05	6.70E-03	6.98E-03	1.39E-02	5.43E-04	3.93E-04	2.18E-02	6.96E-03	1.59E-06	5.95E-06	1.15E-05	6.98E-03
3853	482863.09	3852877.25	8.06E-03	1.21E-06	5.97E-06	1.21E-05	8.08E-03	8.41E-03	1.24E-02	5.45E-04	4.14E-04	2.17E-02	8.39E-03	1.42E-06	5.97E-06	1.21E-05	8.41E-03
3854	483363.09	3852877.25	7.00E-03	8.84E-07	6.87E-06	1.25E-05	7.02E-03	7.30E-03	9.03E-03	6.26E-04	4.26E-04	1.74E-02	7.29E-03	1.03E-06	6.87E-06	1.25E-05	7.31E-03
3855	483863.09	3852877.25	5.21E-03	5.80E-07	9.55E-06	1.30E-05	5.23E-03	5.44E-03	5.93E-03	8.71E-04	4.46E-04	1.27E-02	5.43E-03	6.79E-07	9.55E-06	1.30E-05	5.45E-03
3856	484363.09	3852877.25	5.54E-03	6.19E-07	7.95E-06	1.27E-05	5.57E-03	5.78E-03	6.33E-03	7.25E-04	4.35E-04	1.33E-02	5.77E-03	7.25E-07	7.95E-06	1.27E-05	5.79E-03
3857	484863.09	3852877.25	5.28E-03	6.40E-07	1.00E-05	1.32E-05	5.31E-03	5.51E-03	6.53E-03	9.15E-04	4.52E-04	1.34E-02	5.50E-03	7.48E-07	1.00E-05	1.32E-05	5.52E-03
3858	485363.09	3852877.25	3.57E-03	4.91E-07	1.22E-05	1.49E-05	3.60E-03	3.72E-03	5.02E-03	1.11E-03	5.11E-04	1.04E-02	3.72E-03	5.75E-07	1.22E-05	1.49E-05	3.74E-03
3859	485863.09	3852877.25	2.85E-03	4.61E-07	1.03E-05	1.54E-05	2.88E-03	2.98E-03	4.71E-03	9.37E-04	5.26E-04	9.15E-03	2.97E-03	5.39E-07	1.03E-05	1.54E-05	3.00E-03
3860	486363.09	3852877.25	2.26E-03	4.43E-07	1.34E-05	1.57E-05	2.29E-03	2.36E-03	4.53E-03	1.23E-03	5.35E-04	8.65E-03	2.36E-03	5.19E-07	1.34E-05	1.57E-05	2.39E-03
3861	486863.09	3852877.25	2.22E-03	4.62E-07	1.41E-05	1.64E-05	2.25E-03	2.31E-03	4.72E-03	1.28E-03	5.62E-04	8.87E-03	2.31E-03	5.40E-07	1.41E-05	1.64E-05	2.34E-03
3862	487363.09	3852877.25	2.09E-03	4.67E-07	1.05E-05	1.68E-05	2.12E-03	2.18E-03	4.77E-03	9.60E-04	5.76E-04	8.49E-03	2.17E-03	5.47E-07	1.05E-05	1.68E-05	2.20E-03
3863	487863.09	3852877.25	2.14E-03	4.77E-07	7.93E-06	1.74E-05	2.16E-03	2.23E-03	4.87E-03	7.23E-04	5.96E-04	8.42E-03	2.22E-03	5.58E-07	7.93E-06	1.74E-05	2.25E-03
3864	488363.09	3852877.25	1.81E-03	4.24E-07	8.55E-06	1.72E-05	1.84E-03	1.89E-03	4.33E-03	7.80E-04	5.90E-04	7.59E-03	1.89E-03	4.96E-07	8.55E-06	1.72E-05	1.91E-03
3865	488863.09	3852877.25	2.25E-03	4.74E-07	9.95E-06	1.82E-05	2.27E-03	2.34E-03	4.85E-03	9.07E-04	6.21E-04	8.72E-03	2.34E-03	5.55E-07	9.95E-06	1.82E-05	2.37E-03
3866	489363.09	3852877.25	2.62E-03	5.04E-07	1.00E-05	1.88E-05	2.65E-03	2.73E-03	5.15E-03	9.13E-04	6.44E-04	9.44E-03	2.72E-03	5.90E-07	1.00E-05	1.88E-05	2.75E-03
3867	489863.09	3852877.25	3.00E-03	5.36E-07	1.00E-05	1.94E-05	3.03E-03	3.13E-03	5.48E-03	9.15E-04	6.64E-04	1.02E-02	3.12E-03	6.27E-07	1.00E-05	1.94E-05	3.15E-03
3868	490363.09	3852877.25	4.12E-03	6.57E-07	1.05E-05	2.06E-05	4.15E-03	4.30E-03	6.72E-03	9.60E-04	7.06E-04	1.27E-02	4.29E-03	7.69E-07	1.05E-05	2.06E-05	4.32E-03
3869	490863.09	3852877.25	4.79E-03	7.25E-07	1.02E-05	2.15E-05	4.82E-03	5.00E-03	7.41E-03	9.35E-04	7.35E-04	1.41E-02	4.99E-03	8.48E-07	1.02E-05	2.15E-05	5.02E-03
3870	491363.09	3852877.25	5.44E-03	7.94E-07	1.04E-05	2.23E-05	5.47E-03	5.68E-03	8.11E-03	9.52E-04	7.61E-04	1.55E-02	5.66E-03	9.29E-07	1.04E-05	2.23E-05	5.70E-03
3871	491863.09	3852877.25	5.83E-03	8.33E-07	1.15E-05	2.28E-05	5.86E-03	6.08E-03	8.51E-03	1.05E-03	7.78E-04	1.64E-02	6.07E-03	9.75E-07	1.15E-05	2.28E-05	6.10E-03
3872	492363.09	3852877.25	6.26E-03	8.74E-07	1.46E-05	2.32E-05	6.30E-03	6.53E-03	8.93E-03	1.33E-03	7.93E-04	1.76E-02	6.52E-03	1.02E-06	1.46E-05	2.32E-05	6.56E-03
3873	492863.09	3852877.25	7.00E-03	9.48E-07	1.95E-05	2.39E-05	7.05E-03	7.31E-03	9.68E-03	1.78E-03	8.16E-04	1.96E-02	7.29E-03	1.11E-06	1.95E-05	2.39E-05	7.34E-03
3874	493363.09	3852877.25	7.49E-03	1.00E-06	2.27E-05	2.42E-05	7.54E-03	7.82E-03	1.03E-02	2.07E-03	8.28E-04	2.10E-02	7.80E-03	1.18E-06	2.27E-05	2.42E-05	7.85E-03
3875	493863.09	3852877.25	7.48E-03	1.02E-06	2.16E-05	2.41E-05	7.52E-03	7.80E-03	1.04E-02	1.97E-03	8.24E-04	2.10E-02	7.78E-03	1.19E-06	2.16E-05	2.41E-05	7.83E-03
3876	494363.09	3852877.25	7.48E-03	1.03E-06	2.04E-05	2.42E-05	7.52E-03	7.80E-03	1.05E-02	1.86E-03	8.28E-04	2.10E-02	7.79E-03	1.21E-06	2.04E-05	2.42E-05	7.83E-03
3877	494863.09	3852877.25	7.60E-03	1.06E-06	2.02E-05	2.44E-05	7.65E-03	7.93E-03	1.08E-02	1.84E-03	8.35E-04	2.14E-02	7.92E-03	1.24E-06	2.02E-05	2.44E-05	7.96E-03
3878	495363.09	3852877.25	7.24E-03	1.03E-06	2.12E-05	2.43E-05	7.29E-03	7.56E-03	1.06E-02	1.93E-03	8.32E-04	2.09E-02	7.54E-03	1.21E-06	2.12E-05	2.43E-05	7.59E-03
3879	495863.09	3852877.25	6.85E-03	1.01E-06	2.28E-05	2.42E-05	6.90E-03	7.15E-03	1.03E-02	2.08E-03	8.26E-04	2.03E-02	7.14E-03	1.18E-06	2.28E-05	2.42E-05	7.19E-03
3880	496363.09	3852877.25	6.73E-03	1.01E-06	2.47E-05	2.41E-05	6.78E-03	7.02E-03	1.03E-02	2.25E-03	8.23E-04	2.04E-02	7.01E-03	1.18E-06	2.47E-05	2.41E-05	7.06E-03
3881	496863.09	3852877.25	6.40E-03	9.95E-07	2.62E-05	2.39E-05	6.45E-03	6.68E-03	1.02E-02	2.39E-03	8.16E-04	2.00E-02	6.67E-03	1.16E-06	2.62E-05	2.39E-05	6.72E-03
3882	497363.09	3852877.25	5.53E-03	9.07E-07	2.69E-05	2.33E-05	5.58E-03	5.77E-03	9.26E-03	2.45E-03	7.97E-04	1.83E-02	5.76E-03	1.06E-06	2.69E-05	2.33E-05	5.81E-03
3883	497863.09	3852877.25	4.24E-03	7.64E-07	2.68E-05	2.25E-05	4.29E-03	4.42E-03	7.80E-03	2.44E-03	7.71E-04	1.54E-02	4.42E-03	8.94E-07	2.68E-05	2.25E-05	4.47E-03
3884	498363.09	3852877.25	3.99E-03	7.46E-07	2.84E-05	2.23E-05	4.04E-03	4.16E-03	7.62E-03	2.59E-03	7.64E-04	1.51E-02	4.15E-03	8.73E-07	2.84E-05	2.23E-05	4.20E-03
3885	471363.09	3853377.25	1.43E-03	3.30E-07	7.14E-06	6.82E-06	1.45E-03	1.50E-03	3.37E-03	6.52E-04	2.33E-04	5.75E-03	1.49E-03	3.86E-07	7.14E-06	6.82E-06	1.51E-03
3886	471863.09	3853377.25	1.58E-03	3.49E-07	7.27E-06	7.06E-06	1.59E-03	1.64E-03	3.57E-03	6.63E-04	2.41E-04	6.12E-03	1.64E-03	4.08E-07	7.27E-06	7.06E-06	1.66E-03
3887	472363.09	3853377.25	1.69E-03	3.69E-07	7.34E-06	7.32E-06	1.71E-03	1.77E-03	3.77E-03	6.69E-04	2.50E-04	6.46E-03	1.76E-03	4.32E-07	7.34E-06	7.32E-06	1.78E-03
3888	472863.09	3853377.25	1.82E-03	3.90E-07	7.36E-06	7.56E-06	1.83E-03	1.89E-03	3.98E-03	6.71E-04	2.58E-04	6.81E-03	1.89E-03	4.56E-07	7.36E-06	7.56E-06	1.91E-03
3889	473363.09	3853377.25	1.91E-03	4.05E-07	7.38E-06	7.73E-06	1.93E-03	2.00E-03	4.13E-03	6.73E-04	2.64E-04	7.07E-03	1.99E-03	4.73E-07	7.38E-06	7.73E-06	2.01E-03
3890	473863.09	3853377.25	2.03E-03	4.22E-07	7.48E-06	7.90E-06	2.05E-03	2.12E-03	4.32E-03	6.83E-04	2.70E-04	7.39E-03	2.11E-03	4.94E-07	7.48E-06	7.90E-06	2.13E-03
3891	474363.09	3853377.25	2.15E-03	4.38E-07	7.68E-06	8.03E-06	2.17E-03	2.25E-03	4.47E-03	7.00E-04	2.75E-04	7.70E-03	2.24E-03	5.12E-07	7.68E-06	8.03E-06	2.26E-03
3892	474863.09	3853377.25	2.18E-03	4.29E-07	7.89E-06	8.14E-06	2.20E-03	2.28E-03	4.39E-03	7.19E-04	2.78E-04	7.66E-03	2.27E-03	5.02E-07	7.89E-06	8.14E-06	2.29E-03
3893	475363.09	3853377.25	2.26E-03	4.31E-07	8.12E-06	8.31E-06	2.27E-03	2.35E-03	4.40E-03	7.41E-04	2.84E-04	7.78E-03	2.35E-03	5.04E-07	8.12E-06	8.31E-06	2.37E-03
3894	475863.09	3853377.25	2.31E-03	4.33E-07	8.23E-06	8.50E-06	2.33E-03	2.41E-03	4.43E-03	7.50E-04	2.91E-04	7.88E-03	2.40E-03	5.07E-07	8.23E-06	8.50E-06	2.42E-03
3895	476363.09	3853377.25	2.18E-03	4.12E-07	7.93E-06	8.61E-06	2.20E-03	2.28E-03	4.21E-03	7.23E-04	2.94E-04	7.51E-03	2.27E-03	4.83E-07	7.93E-06	8.61E-06	2.29E-03
3896	476863.09	3853377.25	1.90E-03	3.75E-07	7.27E-06	8.68E-06	1.91E-03	1.98E-03	3.83E-03	6.63E-04	2.97E-04	6.77E-03	1.97E-03	4.39E-07	7.27E-06	8.68E-06	1.99E-03
3897	477363.09	3853377.25	1.87E-03	3.78E-07	6.74E-06	8.78E-06	1.88E-03	1.95E-03	3.86E-03	6.15E-04	3.00E-04	6.72E-03	1.94E-03	4.42E-07	6.74E-06	8.78E-06	1.96E-03
3898	477863.09	3853377.25	1.88E-03	3.88E-07	6.17E-06	8.89E-06	1.89E-03	1.96E-03	3.97E-03	5.62E-04	3.04E-04	6.80E-03	1.96E-03	4.55E-07	6.17E-06	8.89E-06	1.97E-03
3899	478363.09	3853377.25	1.59E-03	3.55E-07	5.32E-06	9.00E-06	1.61E-03	1.66E-03	3.62E-03	4.85E-04	3.08E-04	6.08E-03	1.66E-03	4.15E-07	5.32E-06	9.00E-06	1.67E-03
3900	478863.09	3853377.25	1.24E-03	3.14E-07	4.74E-06	9.13E-06	1.25E-03	1.29E-03	3.20E-03	4.32E-04	3.12E-04	5.24E-03	1.29E-03	3.67E-07	4.74E-06	9.13E-06	1.30E-03

3901	479363.09	3853377.25	2.02E-03	4.33E-07	5.00E-06	9.69E-06	2.03E-03	2.11E-03	4.42E-03	4.56E-04	3.31E-04	7.31E-03	2.10E-03	5.06E-07	5.00E-06	9.69E-06	2.12E-03
3902	479863.09	3853377.25	3.11E-03	5.60E-07	5.36E-06	1.02E-05	3.12E-03	3.24E-03	5.72E-03	4.89E-04	3.48E-04	9.80E-03	3.24E-03	6.55E-07	5.36E-06	1.02E-05	3.25E-03
3903	480363.09	3853377.25	5.08E-03	8.45E-07	5.66E-06	1.06E-05	5.10E-03	5.31E-03	8.63E-03	5.16E-04	3.62E-04	1.48E-02	5.30E-03	9.89E-07	5.66E-06	1.06E-05	5.31E-03
3904	480863.09	3853377.25	5.67E-03	8.63E-07	5.80E-06	1.09E-05	5.69E-03	5.91E-03	8.82E-03	5.29E-04	3.72E-04	1.56E-02	5.90E-03	1.01E-06	5.80E-06	1.09E-05	5.92E-03
3905	481363.09	3853377.25	6.65E-03	1.41E-06	5.95E-06	1.15E-05	6.67E-03	6.94E-03	1.45E-02	5.43E-04	3.93E-04	2.23E-02	6.93E-03	1.66E-06	5.95E-06	1.15E-05	6.95E-03
3906	481863.09	3853377.25	6.82E-03	1.93E-06	6.31E-06	1.21E-05	6.84E-03	7.11E-03	1.97E-02	5.76E-04	4.15E-04	2.78E-02	7.10E-03	2.26E-06	6.31E-06	1.21E-05	7.12E-03
3907	482363.09	3853377.25	6.78E-03	1.74E-06	6.48E-06	1.35E-05	6.80E-03	7.07E-03	1.78E-02	5.91E-04	4.60E-04	2.59E-02	7.06E-03	2.03E-06	6.48E-06	1.35E-05	7.08E-03
3908	482863.09	3853377.25	8.66E-03	1.68E-06	6.53E-06	1.48E-05	8.68E-03	9.04E-03	1.72E-02	5.95E-04	5.06E-04	2.73E-02	9.02E-03	1.97E-06	6.53E-06	1.48E-05	9.04E-03
3909	483363.09	3853377.25	1.05E-02	1.21E-06	6.53E-06	1.47E-05	1.05E-02	1.10E-02	1.24E-02	5.95E-04	5.03E-04	2.45E-02	1.10E-02	1.42E-06	6.53E-06	1.47E-05	1.10E-02
3910	483863.09	3853377.25	9.11E-03	9.74E-07	7.74E-06	1.56E-05	9.14E-03	9.51E-03	9.95E-03	7.06E-04	5.34E-04	2.07E-02	9.49E-03	1.14E-06	7.74E-06	1.56E-05	9.51E-03
3911	484363.09	3853377.25	8.41E-03	9.16E-07	8.84E-06	1.55E-05	8.44E-03	8.78E-03	9.36E-03	8.07E-04	5.30E-04	1.95E-02	8.76E-03	1.07E-06	8.84E-06	1.55E-05	8.78E-03
3912	484863.09	3853377.25	6.57E-03	7.17E-07	9.10E-06	1.76E-05	6.60E-03	6.86E-03	7.32E-03	8.30E-04	6.03E-04	1.56E-02	6.85E-03	8.39E-07	9.10E-06	1.76E-05	6.87E-03
3913	485363.09	3853377.25	3.67E-03	5.54E-07	1.35E-05	1.89E-05	3.70E-03	3.82E-03	5.66E-03	1.24E-03	6.47E-04	1.14E-02	3.82E-03	6.48E-07	1.35E-05	1.89E-05	3.85E-03
3914	485863.09	3853377.25	2.42E-03	4.96E-07	9.99E-06	1.88E-05	2.45E-03	2.53E-03	5.07E-03	9.11E-04	6.43E-04	9.15E-03	2.52E-03	5.80E-07	9.99E-06	1.88E-05	2.55E-03
3915	486363.09	3853377.25	2.56E-03	5.58E-07	1.21E-05	2.03E-05	2.59E-03	2.67E-03	5.70E-03	1.10E-03	6.96E-04	1.02E-02	2.67E-03	6.52E-07	1.21E-05	2.03E-05	2.70E-03
3916	486863.09	3853377.25	2.72E-03	6.10E-07	1.42E-05	2.12E-05	2.76E-03	2.84E-03	6.23E-03	1.30E-03	7.24E-04	1.11E-02	2.83E-03	7.14E-07	1.42E-05	2.12E-05	2.87E-03
3917	487363.09	3853377.25	3.24E-03	6.80E-07	1.28E-05	2.18E-05	3.28E-03	3.39E-03	6.95E-03	1.16E-03	7.44E-04	1.22E-02	3.38E-03	7.96E-07	1.28E-05	2.18E-05	3.41E-03
3918	487863.09	3853377.25	3.97E-03	7.38E-07	9.01E-06	2.24E-05	4.00E-03	4.14E-03	7.54E-03	8.22E-04	7.66E-04	1.33E-02	4.14E-03	8.64E-07	9.01E-06	2.24E-05	4.17E-03
3919	488363.09	3853377.25	4.86E-03	8.12E-07	9.67E-06	2.36E-05	4.89E-03	5.07E-03	8.29E-03	8.82E-04	8.06E-04	1.50E-02	5.06E-03	9.50E-07	9.67E-06	2.36E-05	5.09E-03
3920	488863.09	3853377.25	5.59E-03	8.56E-07	1.14E-05	2.48E-05	5.63E-03	5.84E-03	8.74E-03	1.04E-03	8.48E-04	1.65E-02	5.82E-03	1.00E-06	1.14E-05	2.48E-05	5.86E-03
3921	489363.09	3853377.25	6.24E-03	8.91E-07	1.22E-05	2.53E-05	6.28E-03	6.51E-03	9.10E-03	1.11E-03	8.65E-04	1.76E-02	6.50E-03	1.04E-06	1.22E-05	2.53E-05	6.54E-03
3922	489863.09	3853377.25	6.59E-03	9.18E-07	1.35E-05	2.55E-05	6.63E-03	6.87E-03	9.38E-03	1.23E-03	8.72E-04	1.84E-02	6.86E-03	1.07E-06	1.35E-05	2.55E-05	6.90E-03
3923	490363.09	3853377.25	7.46E-03	1.00E-06	1.37E-05	2.63E-05	7.50E-03	7.78E-03	1.02E-02	1.24E-03	8.99E-04	2.02E-02	7.77E-03	1.17E-06	1.37E-05	2.63E-05	7.81E-03
3924	490863.09	3853377.25	8.20E-03	1.06E-06	1.30E-05	2.69E-05	8.25E-03	8.56E-03	1.08E-02	1.19E-03	9.20E-04	2.15E-02	8.54E-03	1.24E-06	1.30E-05	2.69E-05	8.58E-03
3925	491363.09	3853377.25	8.86E-03	1.12E-06	1.24E-05	2.73E-05	8.90E-03	9.25E-03	1.14E-02	1.13E-03	9.32E-04	2.27E-02	9.23E-03	1.31E-06	1.24E-05	2.73E-05	9.27E-03
3926	491863.09	3853377.25	9.37E-03	1.17E-06	1.58E-05	2.73E-05	9.41E-03	9.77E-03	1.19E-02	1.44E-03	9.35E-04	2.41E-02	9.75E-03	1.37E-06	1.58E-05	2.73E-05	9.80E-03
3927	492363.09	3853377.25	1.01E-02	1.24E-06	2.16E-05	2.76E-05	1.02E-02	1.05E-02	1.27E-02	1.97E-03	9.44E-04	2.61E-02	1.05E-02	1.45E-06	2.16E-05	2.76E-05	1.06E-02
3928	492863.09	3853377.25	1.07E-02	1.31E-06	2.69E-05	2.79E-05	1.08E-02	1.12E-02	1.34E-02	2.45E-03	9.56E-04	2.80E-02	1.12E-02	1.53E-06	2.69E-05	2.79E-05	1.12E-02
3929	493363.09	3853377.25	1.07E-02	1.34E-06	2.60E-05	2.78E-05	1.08E-02	1.12E-02	1.37E-02	2.38E-03	9.51E-04	2.82E-02	1.12E-02	1.57E-06	2.60E-05	2.78E-05	1.12E-02
3930	493863.09	3853377.25	1.06E-02	1.36E-06	2.44E-05	2.79E-05	1.07E-02	1.11E-02	1.38E-02	2.23E-03	9.53E-04	2.81E-02	1.10E-02	1.59E-06	2.44E-05	2.79E-05	1.11E-02
3931	494363.09	3853377.25	1.02E-02	1.33E-06	2.36E-05	2.77E-05	1.02E-02	1.06E-02	1.36E-02	2.15E-03	9.49E-04	2.73E-02	1.06E-02	1.56E-06	2.36E-05	2.77E-05	1.06E-02
3932	494863.09	3853377.25	9.55E-03	1.29E-06	2.57E-05	2.75E-05	9.60E-03	9.96E-03	1.32E-02	2.34E-03	9.40E-04	2.64E-02	9.94E-03	1.51E-06	2.57E-05	2.75E-05	1.00E-02
3933	495363.09	3853377.25	9.21E-03	1.28E-06	2.84E-05	2.73E-05	9.27E-03	9.61E-03	1.31E-02	2.59E-03	9.35E-04	2.62E-02	9.59E-03	1.50E-06	2.84E-05	2.73E-05	9.65E-03
3934	495863.09	3853377.25	8.68E-03	1.25E-06	3.01E-05	2.70E-05	8.74E-03	9.06E-03	1.27E-02	2.75E-03	9.22E-04	2.55E-02	9.04E-03	1.46E-06	3.01E-05	2.70E-05	9.10E-03
3935	496363.09	3853377.25	7.96E-03	1.19E-06	3.12E-05	2.64E-05	8.02E-03	8.30E-03	1.21E-02	2.85E-03	9.03E-04	2.42E-02	8.29E-03	1.39E-06	3.12E-05	2.64E-05	8.35E-03
3936	496863.09	3853377.25	6.99E-03	1.10E-06	3.24E-05	2.57E-05	7.05E-03	7.29E-03	1.12E-02	2.95E-03	8.81E-04	2.24E-02	7.28E-03	1.29E-06	3.24E-05	2.57E-05	7.34E-03
3937	497363.09	3853377.25	5.83E-03	9.86E-07	3.32E-05	2.50E-05	5.89E-03	6.08E-03	1.01E-02	3.03E-03	8.56E-04	2.00E-02	6.07E-03	1.15E-06	3.32E-05	2.50E-05	6.13E-03
3938	497863.09	3853377.25	3.99E-03	7.62E-07	3.22E-05	2.34E-05	4.05E-03	4.17E-03	7.78E-03	2.93E-03	8.02E-04	1.57E-02	4.16E-03	8.91E-07	3.22E-05	2.34E-05	4.21E-03
3939	498363.09	3853377.25	3.16E-03	6.55E-07	3.21E-05	2.22E-05	3.22E-03	3.30E-03	6.69E-03	2.93E-03	7.61E-04	1.37E-02	3.29E-03	7.66E-07	3.21E-05	2.22E-05	3.35E-03
3940	471363.09	3853877.25	1.40E-03	3.55E-07	7.57E-06	6.78E-06	1.42E-03	1.47E-03	3.62E-03	6.90E-04	2.32E-04	6.01E-03	1.46E-03	4.15E-07	7.57E-06	6.78E-06	1.48E-03
3941	471863.09	3853877.25	1.58E-03	3.81E-07	8.02E-06	7.08E-06	1.59E-03	1.64E-03	3.89E-03	7.31E-04	2.42E-04	6.51E-03	1.64E-03	4.45E-07	8.02E-06	7.08E-06	1.66E-03
3942	472363.09	3853877.25	1.69E-03	3.93E-07	8.21E-06	7.34E-06	1.71E-03	1.76E-03	4.02E-03	7.48E-04	2.51E-04	6.78E-03	1.76E-03	4.60E-07	8.21E-06	7.34E-06	1.78E-03
3943	472863.09	3853877.25	1.83E-03	4.10E-07	8.38E-06	7.66E-06	1.85E-03	1.91E-03	4.19E-03	7.64E-04	2.62E-04	7.13E-03	1.91E-03	4.80E-07	8.38E-06	7.66E-06	1.92E-03
3944	473363.09	3853877.25	1.93E-03	4.19E-07	8.36E-06	7.94E-06	1.95E-03	2.02E-03	4.28E-03	7.62E-04	2.72E-04	7.34E-03	2.01E-03	4.91E-07	8.36E-06	7.94E-06	2.03E-03
3945	473863.09	3853877.25	2.04E-03	4.31E-07	8.31E-06	8.22E-06	2.06E-03	2.13E-03	4.40E-03	7.58E-04	2.81E-04	7.57E-03	2.13E-03	5.04E-07	8.31E-06	8.22E-06	2.14E-03
3946	474363.09	3853877.25	2.18E-03	4.50E-07	8.29E-06	8.50E-06	2.19E-03	2.27E-03	4.60E-03	7.56E-04	2.91E-04	7.92E-03	2.27E-03	5.27E-07	8.29E-06	8.50E-06	2.28E-03
3947	474863.09	3853877.25	2.29E-03	4.64E-07	8.27E-06	8.74E-06	2.30E-03	2.39E-03	4.74E-03	7.54E-04	2.99E-04	8.18E-03	2.38E-03	5.43E-07	8.27E-06	8.74E-06	2.40E-03
3948	475363.09	3853877.25	2.25E-03	4.51E-07	8.25E-06	8.85E-06	2.26E-03	2.34E-03	4.61E-03	7.52E-04	3.03E-04	8.01E-03	2.34E-03	5.28E-07	8.25E-06	8.85E-06	2.36E-03
3949	475863.09	3853877.25	1.96E-03	4.07E-07	8.16E-06	8.87E-06	1.98E-03	2.04E-03	4.16E-03	7.45E-04	3.03E-04	7.25E-03	2.04E-03	4.76E-07	8.16E-06	8.87E-06	2.06E-03
3950	476363.09	3853877.25	1.67E-03	3.68E-07	8.06E-06	8.96E-06	1.68E-03	1.74E-03	3.76E-03	7.35E-04	3.06E-04	6.54E-03	1.74E-03	4.31E-07	8.06E-06	8.96E-06	1.75E-03
3951	476863.09	3853877.25	1.35E-03	3.27E-07	7.55E-06	9.08E-06	1.36E-03	1.40E-03	3.34E-03	6.88E-04	3.11E-04	5.74E-03	1.40E-03	3.82E-07	7.55E-06	9.08E-06	1.42E-03
3952	477363.09	3853877.25	1.49E-03	3.45E-07	7.44E-06	9.36E-06	1.51E-03	1.55E-03	3.53E-03	6.79E-04	3.20E-04	6.08E-03	1.55E-03	4.04E-07	7.44E-06	9.36E-06	1.57E-03
3953	477863.09	3853877.25	1.72E-03	3.78E-07	7.40E-06	9.71E-06	1.74E-03	1.80E-03	3.87E-03	6.75E-04	3.32E-04	6.67E-03	1.79E-03	4.43E-07	7.40E-06	9.71E-06	1.81E-03
3954	478363.09	3853877.25	1.83E-03	4.00E-07	7.04E-06	1.00E-05	1.85E-03	1.91E-03	4.09E-03	6.42E-04	3.43E-04	6.99E-03	1.91E-03	4.68E-07	7.04E-06	1.00E-05	1.93E-03
3955	478863.09	3853877.25	1.33E-03	3.35E-07	6.04E-06	1.02E-05	1.35E-03	1.39E-03	3.42E-03	5.51E-04	3.48E-04	5.71E-03	1.39E-03	3.92E-07	6.04E-06	1.02E-05	1.40E-03
3956	479363.09	3853877.25	1.79E-03	4.08E-07	5.85E-06	1.06E-05	1.80E-03	1.86E-03	4.17E-03	5.33E-04	3.64E-04	6.93E-03	1.86E-03	4.77E-07	5.85E-06	1.06E-05	1.88E-03
3957	479863.09	3853877.25	3.23E-03	5.97E-07	6.08E-06	1.14E-05	3.25E-03	3.37E-03	6.10E-03	5.55E-04	3.90E-04	1.04E-02	3.37E-03	6.98E-07	6.08E-06	1.14E-05	3.38E-03
3958	480363.09	3853877.25	4.65E-03	7.63E-07	5.95E-06	1.23E-05	4.67E-03	4.85E-03	7.80E-03	5.43E-04	4.21E-04	1.36E-02	4.85E-03	8.93E-07	5.95E-06	1.23E-05	4.86E-03
3959	480863.09	3853877.25	6.60E-03	1.13E-06	6.08E-06	1.30E-05	6.62E-03	6.89E-03	1.16E-02	5.55E-04	4.44E-04	1.95E-02	6.87E-03	1.32E-06	6.08E-06	1.30E-05	6.89E-03
3960	481363.09	3853877.25	7.67E-03	1.58E-06	6.31E-06	1.38E-05	7.69E-03	8.00E-03	1.61E-02	5.76E-04	4.70E-04	2.52E-02	7.99E-03	1.84E-06	6.31E-06	1.38E-05	8.01E-03
3961	481863.09	3853877.25	8.26E-03	2.60E-06	6.70E-06	1.54E-05	8.28E-03	8.62E-03	2.65E-02	6.11E-04	5.26E-04	3.63E-02	8.60E-03	3.04E-06	6.70E-06	1.54E-05	8.62E-03

3962	482363.09	3853877.25	9.07E-03	2.47E-06	6.91E-06	1.74E-05	9.10E-03	9.46E-03	2.52E-02	6.30E-04	5.93E-04	3.59E-02	9.45E-03	2.88E-06	6.91E-06	1.74E-05	9.47E-03
3963	482863.09	3853877.25	9.78E-03	2.07E-06	7.06E-06	2.00E-05	9.81E-03	1.02E-02	2.12E-02	6.44E-04	6.84E-04	3.27E-02	1.02E-02	2.42E-06	7.06E-06	2.00E-05	1.02E-02
3964	483363.09	3853877.25	1.22E-02	1.62E-06	7.10E-06	1.96E-05	1.22E-02	1.27E-02	1.65E-02	6.48E-04	6.69E-04	3.05E-02	1.27E-02	1.89E-06	7.10E-06	1.96E-05	1.27E-02
3965	483863.09	3853877.25	1.49E-02	1.43E-06	7.25E-06	2.12E-05	1.49E-02	1.55E-02	1.46E-02	6.61E-04	7.24E-04	3.15E-02	1.55E-02	1.67E-06	7.25E-06	2.12E-05	1.55E-02
3966	484363.09	3853877.25	1.19E-02	1.10E-06	9.14E-06	2.37E-05	1.19E-02	1.24E-02	1.12E-02	8.34E-04	8.12E-04	2.53E-02	1.24E-02	1.29E-06	9.14E-06	2.37E-05	1.24E-02
3967	484863.09	3853877.25	7.57E-03	8.87E-07	1.12E-05	2.68E-05	7.61E-03	7.90E-03	9.06E-03	1.02E-03	9.17E-04	1.89E-02	7.88E-03	1.04E-06	1.12E-05	2.68E-05	7.92E-03
3968	485363.09	3853877.25	3.99E-03	7.42E-07	1.07E-05	2.70E-05	4.02E-03	4.16E-03	7.58E-03	9.71E-04	9.22E-04	1.36E-02	4.15E-03	8.68E-07	1.07E-05	2.70E-05	4.19E-03
3969	485863.09	3853877.25	4.49E-03	8.80E-07	1.41E-05	2.85E-05	4.53E-03	4.68E-03	9.00E-03	1.29E-03	9.73E-04	1.59E-02	4.67E-03	1.03E-06	1.41E-05	2.85E-05	4.72E-03
3970	486363.09	3853877.25	4.60E-03	9.42E-07	1.25E-05	2.85E-05	4.64E-03	4.80E-03	9.63E-03	1.14E-03	9.76E-04	1.65E-02	4.79E-03	1.10E-06	1.25E-05	2.85E-05	4.83E-03
3971	486863.09	3853877.25	5.11E-03	9.79E-07	1.64E-05	2.84E-05	5.16E-03	5.33E-03	1.00E-02	1.49E-03	9.71E-04	1.78E-02	5.32E-03	1.15E-06	1.64E-05	2.84E-05	5.37E-03
3972	487363.09	3853877.25	6.50E-03	1.07E-06	1.65E-05	2.98E-05	6.55E-03	6.79E-03	1.10E-02	1.50E-03	1.02E-03	2.03E-02	6.77E-03	1.26E-06	1.65E-05	2.98E-05	6.82E-03
3973	487863.09	3853877.25	8.81E-03	1.22E-06	1.07E-05	3.14E-05	8.85E-03	9.19E-03	1.25E-02	9.77E-04	1.07E-03	2.37E-02	9.17E-03	1.43E-06	1.07E-05	3.14E-05	9.22E-03
3974	488363.09	3853877.25	1.04E-02	1.31E-06	1.11E-05	3.20E-05	1.05E-02	1.09E-02	1.34E-02	1.01E-03	1.10E-03	2.64E-02	1.08E-02	1.54E-06	1.11E-05	3.20E-05	1.09E-02
3975	488863.09	3853877.25	1.24E-02	1.44E-06	1.30E-05	3.35E-05	1.24E-02	1.29E-02	1.47E-02	1.19E-03	1.14E-03	2.99E-02	1.29E-02	1.68E-06	1.30E-05	3.35E-05	1.30E-02
3976	489363.09	3853877.25	1.25E-02	1.42E-06	1.53E-05	3.33E-05	1.26E-02	1.31E-02	1.45E-02	1.39E-03	1.14E-03	3.02E-02	1.30E-02	1.67E-06	1.53E-05	3.33E-05	1.31E-02
3977	489863.09	3853877.25	1.35E-02	1.50E-06	1.81E-05	3.34E-05	1.35E-02	1.41E-02	1.54E-02	1.65E-03	1.14E-03	3.22E-02	1.40E-02	1.76E-06	1.81E-05	3.34E-05	1.41E-02
3978	490363.09	3853877.25	1.37E-02	1.53E-06	1.89E-05	3.29E-05	1.38E-02	1.43E-02	1.56E-02	1.73E-03	1.13E-03	3.28E-02	1.43E-02	1.79E-06	1.89E-05	3.29E-05	1.43E-02
3979	490863.09	3853877.25	1.42E-02	1.57E-06	1.41E-05	3.28E-05	1.42E-02	1.48E-02	1.60E-02	1.29E-03	1.12E-03	3.32E-02	1.48E-02	1.84E-06	1.41E-05	3.28E-05	1.48E-02
3980	491363.09	3853877.25	1.46E-02	1.61E-06	1.72E-05	3.28E-05	1.47E-02	1.53E-02	1.65E-02	1.57E-03	1.12E-03	3.44E-02	1.52E-02	1.89E-06	1.72E-05	3.28E-05	1.53E-02
3981	491863.09	3853877.25	1.48E-02	1.65E-06	2.55E-05	3.25E-05	1.49E-02	1.55E-02	1.68E-02	2.33E-03	1.11E-03	3.57E-02	1.55E-02	1.93E-06	2.55E-05	3.25E-05	1.55E-02
3982	492363.09	3853877.25	1.54E-02	1.74E-06	3.13E-05	3.23E-05	1.55E-02	1.61E-02	1.77E-02	2.85E-03	1.11E-03	3.78E-02	1.60E-02	2.03E-06	3.13E-05	3.23E-05	1.61E-02
3983	492863.09	3853877.25	1.55E-02	1.79E-06	3.20E-05	3.23E-05	1.55E-02	1.61E-02	1.83E-02	2.92E-03	1.10E-03	3.85E-02	1.61E-02	2.10E-06	3.20E-05	3.23E-05	1.62E-02
3984	493363.09	3853877.25	1.50E-02	1.78E-06	2.91E-05	3.22E-05	1.50E-02	1.56E-02	1.82E-02	2.66E-03	1.10E-03	3.76E-02	1.56E-02	2.09E-06	2.91E-05	3.22E-05	1.56E-02
3985	493863.09	3853877.25	1.42E-02	1.74E-06	2.93E-05	3.20E-05	1.43E-02	1.48E-02	1.78E-02	2.67E-03	1.09E-03	3.64E-02	1.48E-02	2.04E-06	2.93E-05	3.20E-05	1.49E-02
3986	494363.09	3853877.25	1.36E-02	1.72E-06	3.45E-05	3.18E-05	1.36E-02	1.41E-02	1.76E-02	3.15E-03	1.09E-03	3.60E-02	1.41E-02	2.02E-06	3.45E-05	3.18E-05	1.42E-02
3987	494863.09	3853877.25	1.26E-02	1.66E-06	3.80E-05	3.11E-05	1.27E-02	1.31E-02	1.69E-02	3.47E-03	1.06E-03	3.46E-02	1.31E-02	1.94E-06	3.80E-05	3.11E-05	1.32E-02
3988	495363.09	3853877.25	1.08E-02	1.49E-06	3.67E-05	2.98E-05	1.09E-02	1.13E-02	1.53E-02	3.35E-03	1.02E-03	3.09E-02	1.13E-02	1.75E-06	3.67E-05	2.98E-05	1.13E-02
3989	495863.09	3853877.25	9.44E-03	1.38E-06	3.72E-05	2.88E-05	9.51E-03	9.85E-03	1.41E-02	3.39E-03	9.86E-04	2.83E-02	9.83E-03	1.61E-06	3.72E-05	2.88E-05	9.90E-03
3990	496363.09	3853877.25	8.57E-03	1.31E-06	3.90E-05	2.83E-05	8.64E-03	8.94E-03	1.34E-02	3.56E-03	9.68E-04	2.69E-02	8.92E-03	1.54E-06	3.90E-05	2.83E-05	8.99E-03
3991	496863.09	3853877.25	7.21E-03	1.19E-06	4.02E-05	2.74E-05	7.28E-03	7.53E-03	1.21E-02	3.67E-03	9.36E-04	2.42E-02	7.51E-03	1.39E-06	4.02E-05	2.74E-05	7.58E-03
3992	497363.09	3853877.25	6.14E-03	1.08E-06	4.07E-05	2.66E-05	6.21E-03	6.41E-03	1.11E-02	3.71E-03	9.11E-04	2.21E-02	6.40E-03	1.27E-06	4.07E-05	2.66E-05	6.47E-03
3993	497863.09	3853877.25	4.84E-03	9.33E-07	4.09E-05	2.56E-05	4.91E-03	5.05E-03	9.53E-03	3.73E-03	8.76E-04	1.92E-02	5.04E-03	1.09E-06	4.09E-05	2.56E-05	5.11E-03
3994	498363.09	3853877.25	4.12E-03	8.43E-07	4.04E-05	2.46E-05	4.18E-03	4.30E-03	8.62E-03	3.69E-03	8.41E-04	1.74E-02	4.29E-03	9.87E-07	4.04E-05	2.46E-05	4.35E-03
3995	471363.09	3854377.25	1.37E-03	3.68E-07	7.23E-06	6.80E-06	1.39E-03	1.43E-03	3.76E-03	6.59E-04	2.33E-04	6.08E-03	1.43E-03	4.30E-07	7.23E-06	6.80E-06	1.44E-03
3996	471863.09	3854377.25	1.50E-03	3.99E-07	7.78E-06	7.08E-06	1.52E-03	1.57E-03	4.08E-03	7.10E-04	2.42E-04	6.60E-03	1.57E-03	4.67E-07	7.78E-06	7.08E-06	1.58E-03
3997	472363.09	3854377.25	1.62E-03	4.21E-07	8.25E-06	7.34E-06	1.63E-03	1.69E-03	4.30E-03	7.52E-04	2.51E-04	6.99E-03	1.68E-03	4.92E-07	8.25E-06	7.34E-06	1.70E-03
3998	472863.09	3854377.25	1.72E-03	4.34E-07	8.65E-06	7.62E-06	1.74E-03	1.79E-03	4.43E-03	7.89E-04	2.61E-04	7.28E-03	1.79E-03	5.08E-07	8.65E-06	7.62E-06	1.81E-03
3999	473363.09	3854377.25	1.86E-03	4.54E-07	9.08E-06	7.92E-06	1.88E-03	1.94E-03	4.64E-03	8.28E-04	2.71E-04	7.68E-03	1.94E-03	5.31E-07	9.08E-06	7.92E-06	1.95E-03
4000	473863.09	3854377.25	2.03E-03	4.77E-07	9.46E-06	8.29E-06	2.05E-03	2.12E-03	4.88E-03	8.63E-04	2.83E-04	8.14E-03	2.12E-03	5.58E-07	9.46E-06	8.29E-06	2.14E-03
4001	474363.09	3854377.25	2.21E-03	4.97E-07	9.70E-06	8.65E-06	2.23E-03	2.31E-03	5.07E-03	8.84E-04	2.96E-04	8.56E-03	2.30E-03	5.81E-07	9.70E-06	8.65E-06	2.32E-03
4002	474863.09	3854377.25	2.21E-03	4.73E-07	9.42E-06	8.89E-06	2.23E-03	2.31E-03	4.84E-03	8.59E-04	3.04E-04	8.31E-03	2.31E-03	5.54E-07	9.42E-06	8.89E-06	2.32E-03
4003	475363.09	3854377.25	2.00E-03	4.26E-07	9.23E-06	9.15E-06	2.02E-03	2.08E-03	4.35E-03	8.42E-04	3.13E-04	7.59E-03	2.08E-03	4.98E-07	9.23E-06	9.15E-06	2.10E-03
4004	475863.09	3854377.25	1.41E-03	3.47E-07	8.38E-06	9.04E-06	1.43E-03	1.47E-03	3.54E-03	7.64E-04	3.09E-04	6.09E-03	1.47E-03	4.06E-07	8.38E-06	9.04E-06	1.49E-03
4005	476363.09	3854377.25	1.28E-03	3.34E-07	8.38E-06	9.32E-06	1.30E-03	1.34E-03	3.42E-03	7.64E-04	3.19E-04	5.84E-03	1.34E-03	3.91E-07	8.38E-06	9.32E-06	1.35E-03
4006	476863.09	3854377.25	1.25E-03	3.35E-07	8.38E-06	9.64E-06	1.27E-03	1.31E-03	3.42E-03	7.64E-04	3.30E-04	5.82E-03	1.30E-03	3.92E-07	8.38E-06	9.64E-06	1.32E-03
4007	477363.09	3854377.25	1.25E-03	3.40E-07	8.38E-06	9.99E-06	1.27E-03	1.31E-03	3.47E-03	7.64E-04	3.42E-04	5.89E-03	1.31E-03	3.98E-07	8.38E-06	9.99E-06	1.32E-03
4008	477863.09	3854377.25	1.30E-03	3.48E-07	8.27E-06	1.04E-05	1.32E-03	1.35E-03	3.56E-03	7.54E-04	3.55E-04	6.02E-03	1.35E-03	4.08E-07	8.27E-06	1.04E-05	1.37E-03
4009	478363.09	3854377.25	1.54E-03	3.85E-07	8.21E-06	1.08E-05	1.56E-03	1.61E-03	3.93E-03	7.48E-04	3.71E-04	6.66E-03	1.61E-03	4.50E-07	8.21E-06	1.08E-05	1.62E-03
4010	478863.09	3854377.25	1.71E-03	4.13E-07	8.12E-06	1.13E-05	1.73E-03	1.78E-03	4.22E-03	7.41E-04	3.88E-04	7.13E-03	1.78E-03	4.83E-07	8.12E-06	1.13E-05	1.80E-03
4011	479363.09	3854377.25	2.68E-03	5.46E-07	8.72E-06	1.21E-05	2.70E-03	2.79E-03	5.58E-03	7.95E-04	4.15E-04	9.58E-03	2.79E-03	6.39E-07	8.72E-06	1.21E-05	2.81E-03
4012	479863.09	3854377.25	3.56E-03	6.56E-07	8.63E-06	1.30E-05	3.58E-03	3.72E-03	6.70E-03	7.87E-04	4.43E-04	1.16E-02	3.71E-03	7.67E-07	8.63E-06	1.30E-05	3.73E-03
4013	480363.09	3854377.25	4.98E-03	8.33E-07	8.21E-06	1.41E-05	5.01E-03	5.20E-03	8.51E-03	7.48E-04	4.81E-04	1.49E-02	5.19E-03	9.74E-07	8.21E-06	1.41E-05	5.21E-03
4014	480863.09	3854377.25	7.39E-03	1.15E-06	7.40E-06	1.54E-05	7.41E-03	7.71E-03	1.17E-02	6.75E-04	5.28E-04	2.06E-02	7.69E-03	1.34E-06	7.40E-06	1.54E-05	7.72E-03
4015	481363.09	3854377.25	9.40E-03	1.58E-06	6.87E-06	1.74E-05	9.43E-03	9.81E-03	1.61E-02	6.26E-04	5.93E-04	2.72E-02	9.79E-03	1.85E-06	6.87E-06	1.74E-05	9.82E-03
4016	481863.09	3854377.25	1.05E-02	3.35E-06	7.23E-06	2.07E-05	1.05E-02	1.10E-02	3.42E-02	6.59E-04	7.08E-04	4.66E-02	1.10E-02	3.92E-06	7.23E-06	2.07E-05	1.10E-02
4017	482363.09	3854377.25	1.15E-02	3.85E-06	7.44E-06	2.62E-05	1.15E-02	1.20E-02	3.93E-02	6.79E-04	8.95E-04	5.29E-02	1.19E-02	4.50E-06	7.44E-06	2.62E-05	1.20E-02
4018	482863.09	3854377.25	1.27E-02	3.06E-06	7.53E-06	3.43E-05	1.27E-02	1.32E-02	3.13E-02	6.86E-04	1.17E-03	4.64E-02	1.32E-02	3.58E-06	7.53E-06	3.43E-05	1.33E-02
4019	483363.09	3854377.25	1.60E-02	2.32E-06	7.76E-06	3.52E-05	1.60E-02	1.67E-02	2.37E-02	7.08E-04	1.21E-03	4.23E-02	1.66E-02	2.71E-06	7.76E-06	3.52E-05	1.67E-02
4020	483863.09	3854377.25	1.82E-02	1.74E-06	7.91E-06	4.84E-05	1.83E-02	1.90E-02	1.77E-02	7.21E-04	1.66E-03	3.91E-02	1.90E-02	2.03E-06	7.91E-06	4.84E-05	1.90E-02
4021	484363.09	3854377.25	1.58E-02	1.53E-06	8.33E-06	5.12E-05	1.59E-02	1.65E-02	1.56E-02	7.60E-04	1.75E-03	3.46E-02	1.65E-02	1.79E-06	8.33E-06	5.12E-05	1.65E-02
4022	484863.09	3854377.25	8.39E-03	1.38E-06	1.22E-05	4.47E-05	8.45E-03	8.76E-03	1.41E-02	1.12E-03	1.53E-03	2.55E-02	8.74E-03	1.61E-06	1.22E-05	4.47E-05	8.80E-03

4023	485363.09	3854377.25	1.00E-02	1.69E-06	1.21E-05	4.21E-05	1.01E-02	1.05E-02	1.73E-02	1.10E-03	1.44E-03	3.03E-02	1.04E-02	1.98E-06	1.21E-05	4.21E-05	1.05E-02
4024	485863.09	3854377.25	8.77E-03	1.58E-06	1.53E-05	4.17E-05	8.83E-03	9.15E-03	1.61E-02	1.39E-03	1.43E-03	2.81E-02	9.13E-03	1.85E-06	1.53E-05	4.17E-05	9.19E-03
4025	486363.09	3854377.25	1.21E-02	1.73E-06	1.44E-05	4.11E-05	1.22E-02	1.26E-02	1.76E-02	1.31E-03	1.41E-03	3.30E-02	1.26E-02	2.02E-06	1.44E-05	4.11E-05	1.27E-02
4026	486863.09	3854377.25	1.39E-02	1.73E-06	1.85E-05	4.26E-05	1.40E-02	1.45E-02	1.77E-02	1.69E-03	1.46E-03	3.53E-02	1.45E-02	2.02E-06	1.85E-05	4.26E-05	1.45E-02
4027	487363.09	3854377.25	1.70E-02	1.86E-06	2.23E-05	4.33E-05	1.70E-02	1.77E-02	1.90E-02	2.04E-03	1.48E-03	4.02E-02	1.77E-02	2.17E-06	2.23E-05	4.33E-05	1.77E-02
4028	487863.09	3854377.25	2.06E-02	2.03E-06	1.30E-05	4.34E-05	2.07E-02	2.15E-02	2.08E-02	1.18E-03	1.48E-03	4.49E-02	2.15E-02	2.38E-06	1.30E-05	4.34E-05	2.15E-02
4029	488363.09	3854377.25	2.29E-02	2.15E-06	1.28E-05	4.35E-05	2.30E-02	2.39E-02	2.20E-02	1.17E-03	1.49E-03	4.86E-02	2.39E-02	2.51E-06	1.28E-05	4.35E-05	2.39E-02
4030	488863.09	3854377.25	2.45E-02	2.24E-06	1.50E-05	4.28E-05	2.46E-02	2.56E-02	2.29E-02	1.37E-03	1.46E-03	5.12E-02	2.55E-02	2.62E-06	1.50E-05	4.28E-05	2.56E-02
4031	489363.09	3854377.25	2.50E-02	2.29E-06	2.03E-05	4.17E-05	2.51E-02	2.61E-02	2.34E-02	1.85E-03	1.42E-03	5.28E-02	2.61E-02	2.68E-06	2.03E-05	4.17E-05	2.61E-02
4032	489863.09	3854377.25	2.48E-02	2.32E-06	2.36E-05	4.07E-05	2.49E-02	2.59E-02	2.37E-02	2.16E-03	1.39E-03	5.32E-02	2.58E-02	2.72E-06	2.36E-05	4.07E-05	2.59E-02
4033	490363.09	3854377.25	2.41E-02	2.30E-06	1.95E-05	3.99E-05	2.42E-02	2.51E-02	2.35E-02	1.78E-03	1.36E-03	5.18E-02	2.51E-02	2.69E-06	1.95E-05	3.99E-05	2.52E-02
4034	490863.09	3854377.25	2.00E-02	1.99E-06	1.81E-05	3.81E-05	2.00E-02	2.09E-02	2.03E-02	1.65E-03	1.30E-03	4.42E-02	2.08E-02	2.33E-06	1.81E-05	3.81E-05	2.09E-02
4035	491363.09	3854377.25	2.17E-02	2.17E-06	2.96E-05	3.81E-05	2.17E-02	2.26E-02	2.22E-02	2.70E-03	1.30E-03	4.88E-02	2.26E-02	2.54E-06	2.96E-05	3.81E-05	2.26E-02
4036	491863.09	3854377.25	2.24E-02	2.32E-06	3.74E-05	3.78E-05	2.25E-02	2.34E-02	2.37E-02	3.41E-03	1.29E-03	5.19E-02	2.34E-02	2.72E-06	3.74E-05	3.78E-05	2.35E-02
4037	492363.09	3854377.25	2.21E-02	2.40E-06	3.82E-05	3.74E-05	2.22E-02	2.31E-02	2.45E-02	3.48E-03	1.28E-03	5.24E-02	2.31E-02	2.81E-06	3.82E-05	3.74E-05	2.31E-02
4038	492863.09	3854377.25	2.11E-02	2.38E-06	3.46E-05	3.71E-05	2.11E-02	2.20E-02	2.43E-02	3.16E-03	1.27E-03	5.07E-02	2.19E-02	2.78E-06	3.46E-05	3.71E-05	2.20E-02
4039	493363.09	3854377.25	1.96E-02	2.30E-06	3.89E-05	3.66E-05	1.97E-02	2.05E-02	2.35E-02	3.55E-03	1.25E-03	4.88E-02	2.04E-02	2.69E-06	3.89E-05	3.66E-05	2.05E-02
4040	493863.09	3854377.25	1.81E-02	2.21E-06	4.72E-05	3.60E-05	1.82E-02	1.89E-02	2.26E-02	4.31E-03	1.23E-03	4.71E-02	1.89E-02	2.59E-06	4.72E-05	3.60E-05	1.90E-02
4041	494363.09	3854377.25	1.68E-02	2.13E-06	5.06E-05	3.53E-05	1.69E-02	1.75E-02	2.17E-02	4.61E-03	1.21E-03	4.51E-02	1.75E-02	2.49E-06	5.06E-05	3.53E-05	1.76E-02
4042	494863.09	3854377.25	1.36E-02	1.82E-06	4.68E-05	3.29E-05	1.37E-02	1.42E-02	1.86E-02	4.27E-03	1.13E-03	3.81E-02	1.41E-02	2.12E-06	4.68E-05	3.29E-05	1.42E-02
4043	495363.09	3854377.25	1.06E-02	1.54E-06	4.48E-05	3.10E-05	1.07E-02	1.11E-02	1.58E-02	4.08E-03	1.06E-03	3.20E-02	1.11E-02	1.80E-06	4.48E-05	3.10E-05	1.11E-02
4044	495863.09	3854377.25	8.83E-03	1.38E-06	4.62E-05	2.98E-05	8.91E-03	9.21E-03	1.41E-02	4.21E-03	1.02E-03	2.86E-02	9.20E-03	1.62E-06	4.62E-05	2.98E-05	9.27E-03
4045	496363.09	3854377.25	7.93E-03	1.32E-06	4.80E-05	2.91E-05	8.01E-03	8.28E-03	1.34E-02	4.37E-03	9.96E-04	2.71E-02	8.26E-03	1.54E-06	4.80E-05	2.91E-05	8.34E-03
4046	496863.09	3854377.25	6.86E-03	1.22E-06	4.82E-05	2.84E-05	6.94E-03	7.16E-03	1.24E-02	4.40E-03	9.70E-04	2.50E-02	7.15E-03	1.42E-06	4.82E-05	2.84E-05	7.22E-03
4047	497363.09	3854377.25	5.39E-03	1.05E-06	4.80E-05	2.72E-05	5.46E-03	5.62E-03	1.07E-02	4.38E-03	9.31E-04	2.16E-02	5.61E-03	1.23E-06	4.80E-05	2.72E-05	5.69E-03
4048	497863.09	3854377.25	5.44E-03	1.08E-06	4.90E-05	2.72E-05	5.52E-03	5.68E-03	1.11E-02	4.47E-03	9.31E-04	2.21E-02	5.67E-03	1.27E-06	4.90E-05	2.72E-05	5.75E-03
4049	498363.09	3854377.25	4.66E-03	9.85E-07	4.82E-05	2.62E-05	4.74E-03	4.86E-03	1.01E-02	4.39E-03	8.97E-04	2.02E-02	4.85E-03	1.15E-06	4.82E-05	2.62E-05	4.93E-03
4050	471363.09	3854877.25	1.44E-03	3.78E-07	6.76E-06	6.80E-06	1.46E-03	1.51E-03	3.87E-03	6.17E-04	2.33E-04	6.22E-03	1.50E-03	4.43E-07	6.76E-06	6.80E-06	1.52E-03
4051	471863.09	3854877.25	1.55E-03	4.04E-07	7.14E-06	7.06E-06	1.57E-03	1.62E-03	4.13E-03	6.52E-04	2.41E-04	6.64E-03	1.62E-03	4.73E-07	7.14E-06	7.06E-06	1.63E-03
4052	472363.09	3854877.25	1.65E-03	4.26E-07	7.53E-06	7.34E-06	1.66E-03	1.72E-03	4.35E-03	6.86E-04	2.51E-04	7.00E-03	1.72E-03	4.98E-07	7.53E-06	7.34E-06	1.73E-03
4053	472863.09	3854877.25	1.71E-03	4.35E-07	7.85E-06	7.58E-06	1.72E-03	1.78E-03	4.44E-03	7.16E-04	2.59E-04	7.20E-03	1.78E-03	5.09E-07	7.85E-06	7.58E-06	1.79E-03
4054	473363.09	3854877.25	1.86E-03	4.71E-07	8.44E-06	7.92E-06	1.87E-03	1.94E-03	4.81E-03	7.70E-04	2.71E-04	7.79E-03	1.93E-03	5.51E-07	8.44E-06	7.92E-06	1.95E-03
4055	473863.09	3854877.25	2.01E-03	5.04E-07	9.06E-06	8.29E-06	2.03E-03	2.10E-03	5.15E-03	8.26E-04	2.83E-04	8.36E-03	2.09E-03	5.90E-07	9.06E-06	8.29E-06	2.11E-03
4056	474363.09	3854877.25	2.21E-03	5.49E-07	9.78E-06	8.74E-06	2.23E-03	2.30E-03	5.61E-03	8.92E-04	2.99E-04	9.11E-03	2.30E-03	6.42E-07	9.78E-06	8.74E-06	2.32E-03
4057	474863.09	3854877.25	1.99E-03	4.68E-07	1.02E-05	8.91E-06	2.01E-03	2.08E-03	4.78E-03	9.27E-04	3.05E-04	8.09E-03	2.07E-03	5.48E-07	1.02E-05	8.91E-06	2.09E-03
4058	475363.09	3854877.25	1.62E-03	3.98E-07	9.36E-06	8.85E-06	1.64E-03	1.69E-03	4.06E-03	8.53E-04	3.03E-04	6.91E-03	1.69E-03	4.65E-07	9.36E-06	8.85E-06	1.71E-03
4059	475863.09	3854877.25	1.25E-03	3.44E-07	8.76E-06	9.06E-06	1.27E-03	1.30E-03	3.51E-03	7.99E-04	3.10E-04	5.92E-03	1.30E-03	4.02E-07	8.76E-06	9.06E-06	1.32E-03
4060	476363.09	3854877.25	8.35E-04	2.76E-07	8.72E-06	9.30E-06	8.54E-04	8.72E-04	2.82E-03	7.95E-04	3.18E-04	4.80E-03	8.70E-04	3.23E-07	8.72E-06	9.30E-06	8.88E-04
4061	476863.09	3854877.25	8.41E-04	2.79E-07	8.93E-06	9.71E-06	8.60E-04	8.78E-04	2.85E-03	8.14E-04	3.32E-04	4.87E-03	8.76E-04	3.26E-07	8.93E-06	9.71E-06	8.95E-04
4062	477363.09	3854877.25	1.03E-03	3.19E-07	9.19E-06	1.03E-05	1.05E-03	1.07E-03	3.26E-03	8.38E-04	3.53E-04	5.52E-03	1.07E-03	3.73E-07	9.19E-06	1.03E-05	1.09E-03
4063	477863.09	3854877.25	1.22E-03	3.58E-07	9.38E-06	1.09E-05	1.24E-03	1.27E-03	3.66E-03	8.55E-04	3.73E-04	6.16E-03	1.27E-03	4.19E-07	9.38E-06	1.09E-05	1.29E-03
4064	478363.09	3854877.25	1.65E-03	4.36E-07	9.65E-06	1.17E-05	1.67E-03	1.72E-03	4.45E-03	8.80E-04	3.99E-04	7.45E-03	1.71E-03	5.10E-07	9.65E-06	1.17E-05	1.74E-03
4065	478863.09	3854877.25	2.34E-03	5.44E-07	1.02E-05	1.25E-05	2.37E-03	2.45E-03	5.56E-03	9.31E-04	4.28E-04	9.36E-03	2.44E-03	6.36E-07	1.02E-05	1.25E-05	2.46E-03
4066	479363.09	3854877.25	3.47E-03	6.87E-07	1.11E-05	1.36E-05	3.50E-03	3.62E-03	7.02E-03	1.01E-03	4.66E-04	1.21E-02	3.62E-03	8.03E-07	1.11E-05	1.36E-05	3.64E-03
4067	479863.09	3854877.25	5.06E-03	8.77E-07	1.22E-05	1.51E-05	5.09E-03	5.28E-03	8.96E-03	1.11E-03	5.17E-04	1.59E-02	5.27E-03	1.03E-06	1.22E-05	1.51E-05	5.30E-03
4068	480363.09	3854877.25	6.74E-03	1.10E-06	1.23E-05	1.68E-05	6.77E-03	7.03E-03	1.12E-02	1.12E-03	5.75E-04	2.00E-02	7.02E-03	1.29E-06	1.23E-05	1.68E-05	7.05E-03
4069	480863.09	3854877.25	9.33E-03	1.55E-06	1.14E-05	1.84E-05	9.36E-03	9.74E-03	1.58E-02	1.04E-03	6.29E-04	2.72E-02	9.72E-03	1.81E-06	1.14E-05	1.84E-05	9.75E-03
4070	481363.09	3854877.25	1.14E-02	1.98E-06	9.97E-06	2.05E-05	1.14E-02	1.18E-02	2.02E-02	9.09E-04	6.99E-04	3.37E-02	1.18E-02	2.32E-06	9.97E-06	2.05E-05	1.19E-02
4071	481863.09	3854877.25	1.26E-02	2.10E-06	8.59E-06	2.54E-05	1.26E-02	1.32E-02	2.15E-02	7.83E-04	8.70E-04	3.63E-02	1.31E-02	2.46E-06	8.59E-06	2.54E-05	1.32E-02
4072	482363.09	3854877.25	1.57E-02	6.81E-06	8.44E-06	4.23E-05	1.58E-02	1.64E-02	6.96E-02	7.70E-04	1.45E-03	8.82E-02	1.64E-02	7.97E-06	8.44E-06	4.23E-05	1.65E-02
4073	482863.09	3854877.25	1.93E-02	9.26E-06	8.23E-06	1.20E-04	1.95E-02	2.02E-02	9.46E-02	7.50E-04	4.11E-03	1.20E-01	2.01E-02	1.08E-05	8.23E-06	1.20E-04	2.03E-02
4074	483363.09	3854877.25	2.18E-02	8.26E-06	8.42E-06	3.65E-04	2.21E-02	2.27E-02	8.44E-02	7.68E-04	1.25E-02	1.20E-01	2.27E-02	9.67E-06	8.42E-06	3.65E-04	2.30E-02
4075	483863.09	3854877.25	3.28E-02	6.63E-06	8.67E-06	1.76E-04	3.30E-02	3.42E-02	6.77E-02	7.91E-04	6.02E-03	1.09E-01	3.42E-02	7.76E-06	8.67E-06	1.76E-04	3.43E-02
4076	484363.09	3854877.25	4.11E-02	4.80E-06	8.97E-06	8.94E-05	4.12E-02	4.28E-02	4.90E-02	8.18E-04	3.06E-03	9.57E-02	4.28E-02	5.61E-06	8.97E-06	8.94E-05	4.29E-02
4077	484863.09	3854877.25	4.13E-02	4.22E-06	9.48E-06	6.36E-05	4.14E-02	4.31E-02	4.31E-02	8.65E-04	2.18E-03	8.92E-02	4.30E-02	4.94E-06	9.48E-06	6.36E-05	4.31E-02
4078	485363.09	3854877.25	4.96E-02	3.82E-06	1.37E-05	6.05E-05	4.97E-02	5.18E-02	3.91E-02	1.25E-03	2.07E-03	9.42E-02	5.17E-02	4.47E-06	1.37E-05	6.05E-05	5.18E-02
4079	485863.09	3854877.25	5.06E-02	3.49E-06	1.37E-05	5.96E-05	5.07E-02	5.28E-02	3.56E-02	1.25E-03	2.04E-03	9.17E-02	5.27E-02	4.08E-06	1.37E-05	5.96E-05	5.28E-02
4080	486363.09	3854877.25	4.72E-02	3.24E-06	1.89E-05	6.15E-05	4.73E-02	4.92E-02	3.31E-02	1.73E-03	2.10E-03	8.62E-02	4.91E-02	3.79E-06	1.89E-05	6.15E-05	4.92E-02
4081	486863.09	3854877.25	4.42E-02	3.11E-06	1.82E-05	6.08E-05	4.43E-02	4.62E-02	3.18E-02	1.66E-03	2.08E-03	8.17E-02	4.61E-02	3.64E-06	1.82E-05	6.08E-05	4.62E-02
4082	487363.09	3854877.25	4.60E-02	3.23E-06	2.74E-05	5.90E-05	4.61E-02	4.80E-02	3.30E-02	2.50E-03	2.02E-03	8.55E-02	4.79E-02	3.78E-06	2.74E-05	5.90E-05	4.80E-02
4083	487863.09	3854877.25	4.68E-02	3.33E-06	1.61E-05	5.59E-05	4.69E-02	4.88E-02	3.40E-02	1.47E-03	1.91E-03	8.62E-02	4.87E-02	3.89E-06	1.61E-05	5.59E-05	4.88E-02

4084	488363.09	3854877.25	4.69E-02	3.42E-06	1.51E-05	5.35E-05	4.70E-02	4.89E-02	3.50E-02	1.37E-03	1.83E-03	8.71E-02	4.88E-02	4.00E-06	1.51E-05	5.35E-05	4.89E-02
4085	488863.09	3854877.25	4.66E-02	3.53E-06	1.81E-05	5.18E-05	4.66E-02	4.86E-02	3.61E-02	1.65E-03	1.77E-03	8.81E-02	4.85E-02	4.13E-06	1.81E-05	5.18E-05	4.86E-02
4086	489363.09	3854877.25	4.42E-02	3.55E-06	2.44E-05	5.00E-05	4.43E-02	4.61E-02	3.62E-02	2.22E-03	1.71E-03	8.63E-02	4.61E-02	4.15E-06	2.44E-05	5.00E-05	4.61E-02
4087	489863.09	3854877.25	4.01E-02	3.35E-06	2.83E-05	4.79E-05	4.02E-02	4.19E-02	3.42E-02	2.58E-03	1.64E-03	8.03E-02	4.18E-02	3.92E-06	2.83E-05	4.79E-05	4.19E-02
4088	490363.09	3854877.25	3.01E-02	2.66E-06	1.96E-05	4.46E-05	3.01E-02	3.14E-02	2.72E-02	1.79E-03	1.53E-03	6.19E-02	3.13E-02	3.11E-06	1.96E-05	4.46E-05	3.14E-02
4089	490863.09	3854877.25	2.11E-02	2.10E-06	2.62E-05	3.97E-05	2.12E-02	2.20E-02	2.14E-02	2.39E-03	1.36E-03	4.72E-02	2.20E-02	2.45E-06	2.62E-05	3.97E-05	2.20E-02
4090	491363.09	3854877.25	2.23E-02	2.23E-06	3.65E-05	3.96E-05	2.24E-02	2.33E-02	2.28E-02	3.33E-03	1.36E-03	5.07E-02	2.32E-02	2.61E-06	3.65E-05	3.96E-05	2.33E-02
4091	491863.09	3854877.25	3.07E-02	3.12E-06	4.44E-05	4.28E-05	3.08E-02	3.20E-02	3.19E-02	4.05E-03	1.46E-03	6.94E-02	3.20E-02	3.65E-06	4.44E-05	4.28E-05	3.21E-02
4092	492363.09	3854877.25	2.93E-02	3.19E-06	4.23E-05	4.23E-05	2.94E-02	3.05E-02	3.25E-02	3.85E-03	1.45E-03	6.84E-02	3.05E-02	3.73E-06	4.23E-05	4.23E-05	3.06E-02
4093	492863.09	3854877.25	2.68E-02	3.07E-06	5.39E-05	4.18E-05	2.69E-02	2.80E-02	3.13E-02	4.92E-03	1.43E-03	6.57E-02	2.80E-02	3.59E-06	5.39E-05	4.18E-05	2.81E-02
4094	493363.09	3854877.25	2.42E-02	2.88E-06	6.37E-05	4.10E-05	2.44E-02	2.53E-02	2.94E-02	5.81E-03	1.40E-03	6.20E-02	2.53E-02	3.37E-06	6.37E-05	4.10E-05	2.54E-02
4095	493863.09	3854877.25	2.21E-02	2.74E-06	6.59E-05	3.98E-05	2.22E-02	2.31E-02	2.80E-02	6.01E-03	1.36E-03	5.85E-02	2.30E-02	3.21E-06	6.59E-05	3.98E-05	2.31E-02
4096	494363.09	3854877.25	1.69E-02	2.20E-06	6.31E-05	3.63E-05	1.70E-02	1.76E-02	2.25E-02	5.76E-03	1.24E-03	4.71E-02	1.76E-02	2.57E-06	6.31E-05	3.63E-05	1.77E-02
4097	494863.09	3854877.25	1.21E-02	1.76E-06	5.59E-05	3.30E-05	1.22E-02	1.26E-02	1.79E-02	5.10E-03	1.13E-03	3.68E-02	1.26E-02	2.05E-06	5.59E-05	3.30E-05	1.27E-02
4098	495363.09	3854877.25	9.46E-03	1.51E-06	5.59E-05	3.13E-05	9.55E-03	9.87E-03	1.55E-02	5.10E-03	1.07E-03	3.15E-02	9.86E-03	1.77E-06	5.59E-05	3.13E-05	9.94E-03
4099	495863.09	3854877.25	8.02E-03	1.39E-06	5.60E-05	3.04E-05	8.11E-03	8.37E-03	1.42E-02	5.11E-03	1.04E-03	2.87E-02	8.35E-03	1.62E-06	5.60E-05	3.04E-05	8.44E-03
4100	496363.09	3854877.25	6.36E-03	1.21E-06	5.58E-05	2.91E-05	6.45E-03	6.64E-03	1.23E-02	5.09E-03	9.95E-04	2.50E-02	6.63E-03	1.41E-06	5.58E-05	2.91E-05	6.71E-03
4101	496863.09	3854877.25	5.40E-03	1.09E-06	5.45E-05	2.81E-05	5.48E-03	5.64E-03	1.12E-02	4.97E-03	9.60E-04	2.27E-02	5.62E-03	1.28E-06	5.45E-05	2.81E-05	5.71E-03
4102	497363.09	3854877.25	5.03E-03	1.06E-06	5.39E-05	2.76E-05	5.12E-03	5.25E-03	1.09E-02	4.91E-03	9.42E-04	2.20E-02	5.24E-03	1.25E-06	5.39E-05	2.76E-05	5.32E-03
4103	497863.09	3854877.25	5.36E-03	1.14E-06	5.61E-05	2.79E-05	5.44E-03	5.59E-03	1.17E-02	5.12E-03	9.53E-04	2.33E-02	5.58E-03	1.34E-06	5.61E-05	2.79E-05	5.67E-03
4104	498363.09	3854877.25	5.12E-03	1.13E-06	5.61E-05	2.75E-05	5.21E-03	5.34E-03	1.15E-02	5.11E-03	9.40E-04	2.29E-02	5.33E-03	1.32E-06	5.61E-05	2.75E-05	5.42E-03
4105	471363.09	3855377.25	1.48E-03	3.97E-07	6.78E-06	6.80E-06	1.50E-03	1.55E-03	4.06E-03	6.19E-04	2.33E-04	6.45E-03	1.54E-03	4.64E-07	6.78E-06	6.80E-06	1.56E-03
4106	471863.09	3855377.25	1.56E-03	4.12E-07	7.04E-06	7.04E-06	1.57E-03	1.63E-03	4.21E-03	6.42E-04	2.41E-04	6.71E-03	1.62E-03	4.82E-07	7.04E-06	7.04E-06	1.64E-03
4107	472363.09	3855377.25	1.68E-03	4.42E-07	7.42E-06	7.32E-06	1.70E-03	1.76E-03	4.51E-03	6.77E-04	2.50E-04	7.20E-03	1.75E-03	5.17E-07	7.42E-06	7.32E-06	1.77E-03
4108	472863.09	3855377.25	1.77E-03	4.56E-07	7.65E-06	7.58E-06	1.78E-03	1.84E-03	4.66E-03	6.98E-04	2.59E-04	7.46E-03	1.84E-03	5.33E-07	7.65E-06	7.58E-06	1.86E-03
4109	473363.09	3855377.25	1.94E-03	4.99E-07	8.12E-06	7.97E-06	1.95E-03	2.02E-03	5.10E-03	7.41E-04	2.72E-04	8.13E-03	2.02E-03	5.84E-07	8.12E-06	7.97E-06	2.03E-03
4110	473863.09	3855377.25	2.09E-03	5.35E-07	8.53E-06	8.33E-06	2.11E-03	2.19E-03	5.47E-03	7.78E-04	2.85E-04	8.72E-03	2.18E-03	6.26E-07	8.53E-06	8.33E-06	2.20E-03
4111	474363.09	3855377.25	2.26E-03	5.66E-07	9.97E-06	9.06E-06	2.27E-03	2.35E-03	5.78E-03	9.09E-04	3.10E-04	9.36E-03	2.35E-03	6.62E-07	9.97E-06	9.06E-06	2.37E-03
4112	474863.09	3855377.25	2.05E-03	4.92E-07	9.42E-06	8.93E-06	2.07E-03	2.14E-03	5.03E-03	8.59E-04	3.06E-04	8.33E-03	2.13E-03	5.76E-07	9.42E-06	8.93E-06	2.15E-03
4113	475363.09	3855377.25	1.06E-03	3.21E-07	7.99E-06	8.55E-06	1.07E-03	1.10E-03	3.27E-03	7.29E-04	2.92E-04	5.40E-03	1.10E-03	3.75E-07	7.99E-06	8.55E-06	1.12E-03
4114	475863.09	3855377.25	8.06E-04	2.80E-07	8.10E-06	8.80E-06	8.24E-04	8.41E-04	2.86E-03	7.39E-04	3.01E-04	4.75E-03	8.40E-04	3.28E-07	8.10E-06	8.80E-06	8.57E-04
4115	476363.09	3855377.25	9.59E-04	3.15E-07	8.57E-06	9.26E-06	9.77E-04	1.00E-03	3.22E-03	7.81E-04	3.17E-04	5.32E-03	9.98E-04	3.69E-07	8.57E-06	9.26E-06	1.02E-03
4116	476863.09	3855377.25	9.57E-04	3.18E-07	9.01E-06	9.71E-06	9.76E-04	9.98E-04	3.25E-03	8.22E-04	3.32E-04	5.40E-03	9.96E-04	3.72E-07	9.01E-06	9.71E-06	1.02E-03
4117	477363.09	3855377.25	1.08E-03	3.46E-07	9.48E-06	1.03E-05	1.10E-03	1.13E-03	3.54E-03	8.65E-04	3.51E-04	5.88E-03	1.12E-03	4.05E-07	9.48E-06	1.03E-05	1.14E-03
4118	477863.09	3855377.25	1.42E-03	4.09E-07	1.02E-05	1.10E-05	1.44E-03	1.48E-03	4.18E-03	9.31E-04	3.76E-04	6.97E-03	1.47E-03	4.79E-07	1.02E-05	1.10E-05	1.50E-03
4119	478363.09	3855377.25	1.86E-03	4.89E-07	1.07E-05	1.18E-05	1.88E-03	1.94E-03	4.99E-03	9.77E-04	4.04E-04	8.32E-03	1.94E-03	5.72E-07	1.07E-05	1.18E-05	1.96E-03
4120	478863.09	3855377.25	2.41E-03	5.82E-07	1.13E-05	1.29E-05	2.43E-03	2.51E-03	5.94E-03	1.03E-03	4.40E-04	9.93E-03	2.51E-03	6.80E-07	1.13E-05	1.29E-05	2.53E-03
4121	479363.09	3855377.25	3.37E-03	7.28E-07	1.20E-05	1.44E-05	3.39E-03	3.51E-03	7.43E-03	1.09E-03	4.92E-04	1.25E-02	3.51E-03	8.51E-07	1.20E-05	1.44E-05	3.53E-03
4122	479863.09	3855377.25	4.49E-03	8.93E-07	1.26E-05	1.61E-05	4.52E-03	4.68E-03	9.12E-03	1.15E-03	5.51E-04	1.55E-02	4.67E-03	1.04E-06	1.26E-05	1.61E-05	4.70E-03
4123	480363.09	3855377.25	6.85E-03	1.21E-06	1.36E-05	1.87E-05	6.88E-03	7.15E-03	1.23E-02	1.24E-03	6.40E-04	2.14E-02	7.13E-03	1.41E-06	1.36E-05	1.87E-05	7.17E-03
4124	480863.09	3855377.25	9.86E-03	1.83E-06	1.42E-05	2.11E-05	9.90E-03	1.03E-02	1.86E-02	1.29E-03	7.22E-04	3.09E-02	1.03E-02	2.14E-06	1.42E-05	2.11E-05	1.03E-02
4125	481363.09	3855377.25	1.27E-02	3.03E-06	1.40E-05	2.46E-05	1.27E-02	1.32E-02	3.09E-02	1.27E-03	8.43E-04	4.63E-02	1.32E-02	3.54E-06	1.40E-05	2.46E-05	1.33E-02
4126	481863.09	3855377.25	1.53E-02	5.19E-06	1.33E-05	3.00E-05	1.54E-02	1.60E-02	5.30E-02	1.21E-03	1.03E-03	7.13E-02	1.60E-02	6.07E-06	1.33E-05	3.00E-05	1.60E-02
4127	482363.09	3855377.25	1.80E-02	1.11E-05	1.23E-05	3.65E-05	1.81E-02	1.88E-02	1.13E-01	1.12E-03	1.25E-03	1.34E-01	1.88E-02	1.30E-05	1.23E-05	3.65E-05	1.89E-02
4128	482863.09	3855377.25	2.32E-02	4.81E-05	1.07E-05	5.59E-05	2.34E-02	2.43E-02	4.91E-01	9.79E-04	1.91E-03	5.18E-01	2.42E-02	5.62E-05	1.07E-05	5.59E-05	2.43E-02
4129	483363.09	3855377.25	3.16E-02	6.47E-05	9.78E-06	6.62E-05	3.17E-02	3.29E-02	6.61E-01	8.92E-04	2.26E-03	6.98E-01	3.29E-02	7.57E-05	9.78E-06	6.62E-05	3.30E-02
4130	483863.09	3855377.25	5.15E-02	2.82E-05	9.70E-06	7.56E-05	5.16E-02	5.37E-02	2.88E-01	8.84E-04	2.58E-03	3.45E-01	5.36E-02	3.29E-05	9.70E-06	7.56E-05	5.37E-02
4131	484363.09	3855377.25	1.48E-01	1.36E-05	9.93E-06	7.34E-05	1.48E-01	1.54E-01	1.39E-01	9.06E-04	2.51E-03	2.97E-01	1.54E-01	1.60E-05	9.93E-06	7.34E-05	1.54E-01
4132	484863.09	3855377.25	1.44E+00	1.03E-05	1.04E-05	8.49E-05	1.44E+00	1.50E+00	1.06E-01	9.48E-04	2.91E-03	1.61E+00	1.50E+00	1.21E-05	1.04E-05	8.49E-05	1.50E+00
4133	485363.09	3855377.25	5.47E-01	8.20E-06	1.10E-05	9.66E-05	5.47E-01	5.71E-01	8.38E-02	1.01E-03	3.30E-03	6.59E-01	5.70E-01	9.59E-06	1.10E-05	9.66E-05	5.70E-01
4134	485863.09	3855377.25	2.64E-01	7.10E-06	1.45E-05	9.78E-05	2.64E-01	2.76E-01	7.25E-02	1.32E-03	3.35E-03	3.53E-01	2.75E-01	8.31E-06	1.45E-05	9.78E-05	2.75E-01
4135	486363.09	3855377.25	1.60E-01	6.03E-06	1.74E-05	9.20E-05	1.60E-01	1.67E-01	6.16E-02	1.58E-03	3.15E-03	2.33E-01	1.67E-01	7.05E-06	1.74E-05	9.20E-05	1.67E-01
4136	486863.09	3855377.25	1.14E-01	5.34E-06	2.00E-05	8.56E-05	1.14E-01	1.19E-01	5.46E-02	1.82E-03	2.93E-03	1.78E-01	1.18E-01	6.25E-06	2.00E-05	8.56E-05	1.19E-01
4137	487363.09	3855377.25	1.02E-01	5.38E-06	3.06E-05	7.93E-05	1.02E-01	1.07E-01	5.50E-02	2.79E-03	2.71E-03	1.67E-01	1.06E-01	6.30E-06	3.06E-05	7.93E-05	1.07E-01
4138	487863.09	3855377.25	9.22E-02	5.38E-06	2.02E-05	7.20E-05	9.23E-02	9.62E-02	5.49E-02	1.84E-03	2.46E-03	1.55E-01	9.60E-02	6.29E-06	2.02E-05	7.20E-05	9.61E-02
4139	488363.09	3855377.25	8.35E-02	5.37E-06	1.81E-05	6.59E-05	8.36E-02	8.71E-02	5.49E-02	1.65E-03	2.25E-03	1.46E-01	8.70E-02	6.29E-06	1.81E-05	6.59E-05	8.71E-02
4140	488863.09	3855377.25	7.54E-02	5.32E-06	2.33E-05	6.13E-05	7.54E-02	7.86E-02	5.44E-02	2.13E-03	2.10E-03	1.37E-01	7.85E-02	6.23E-06	2.33E-05	6.13E-05	7.86E-02
4141	489363.09	3855377.25	6.76E-02	5.18E-06	2.85E-05	5.77E-05	6.77E-02	7.05E-02	5.29E-02	2.60E-03	1.97E-03	1.28E-01	7.04E-02	6.06E-06	2.85E-05	5.77E-05	7.05E-02
4142	489863.09	3855377.25	5.96E-02	4.84E-06	2.42E-05	5.51E-05	5.96E-02	6.21E-02	4.94E-02	2.20E-03	1.88E-03	1.16E-01	6.20E-02	5.66E-06	2.42E-05	5.51E-05	6.21E-02
4143	490363.09	3855377.25	5.43E-02	4.79E-06	3.79E-05	5.48E-05	5.44E-02	5.66E-02	4.89E-02	3.46E-03	1.87E-03	1.11E-01	5.65E-02	5.60E-06	3.79E-05	5.48E-05	5.66E-02
4144	490863.09	3855377.25	3.53E-02	3.17E-06	5.02E-05	4.73E-05	3.54E-02	3.68E-02	3.24E-02	4.58E-03	1.62E-03	7.54E-02	3.67E-02	3.71E-06	5.02E-05	4.73E-05	3.68E-02

4145	491363.09	3855377.25	2.86E-02	2.83E-06	4.40E-05	4.28E-05	2.87E-02	2.99E-02	2.89E-02	4.02E-03	1.46E-03	6.43E-02	2.98E-02	3.31E-06	4.40E-05	4.28E-05	2.99E-02
4146	491863.09	3855377.25	3.83E-02	4.04E-06	5.65E-05	4.65E-05	3.84E-02	4.00E-02	4.13E-02	5.15E-03	1.59E-03	8.81E-02	3.99E-02	4.73E-06	5.65E-05	4.65E-05	4.00E-02
4147	492363.09	3855377.25	3.53E-02	4.03E-06	7.21E-05	4.61E-05	3.54E-02	3.68E-02	4.12E-02	6.58E-03	1.58E-03	8.62E-02	3.67E-02	4.72E-06	7.21E-05	4.61E-05	3.69E-02
4148	492863.09	3855377.25	3.16E-02	3.80E-06	8.02E-05	4.54E-05	3.17E-02	3.30E-02	3.88E-02	7.31E-03	1.55E-03	8.07E-02	3.29E-02	4.44E-06	8.02E-05	4.54E-05	3.31E-02
4149	493363.09	3855377.25	2.71E-02	3.35E-06	8.64E-05	4.31E-05	2.73E-02	2.83E-02	3.43E-02	7.88E-03	1.48E-03	7.19E-02	2.82E-02	3.92E-06	8.64E-05	4.31E-05	2.84E-02
4150	493863.09	3855377.25	2.07E-02	2.70E-06	8.59E-05	3.93E-05	2.08E-02	2.16E-02	2.75E-02	7.84E-03	1.35E-03	5.83E-02	2.16E-02	3.15E-06	8.59E-05	3.93E-05	2.17E-02
4151	494363.09	3855377.25	1.49E-02	2.15E-06	7.26E-05	3.54E-05	1.50E-02	1.55E-02	2.20E-02	6.62E-03	1.21E-03	4.54E-02	1.55E-02	2.52E-06	7.26E-05	3.54E-05	1.56E-02
4152	494863.09	3855377.25	1.06E-02	1.74E-06	6.86E-05	3.30E-05	1.07E-02	1.10E-02	1.77E-02	6.26E-03	1.13E-03	3.62E-02	1.10E-02	2.03E-06	6.86E-05	3.30E-05	1.11E-02
4153	495363.09	3855377.25	8.02E-03	1.47E-06	6.68E-05	3.14E-05	8.12E-03	8.37E-03	1.50E-02	6.09E-03	1.07E-03	3.05E-02	8.35E-03	1.72E-06	6.68E-05	3.14E-05	8.45E-03
4154	495863.09	3855377.25	6.42E-03	1.28E-06	6.47E-05	3.01E-05	6.52E-03	6.70E-03	1.31E-02	5.90E-03	1.03E-03	2.67E-02	6.69E-03	1.50E-06	6.47E-05	3.01E-05	6.78E-03
4155	496363.09	3855377.25	5.95E-03	1.25E-06	6.41E-05	2.94E-05	6.05E-03	6.21E-03	1.27E-02	5.85E-03	1.01E-03	2.58E-02	6.20E-03	1.46E-06	6.41E-05	2.94E-05	6.30E-03
4156	496863.09	3855377.25	5.57E-03	1.22E-06	6.33E-05	2.90E-05	5.66E-03	5.81E-03	1.24E-02	5.77E-03	9.92E-04	2.50E-02	5.80E-03	1.42E-06	6.33E-05	2.90E-05	5.89E-03
4157	497363.09	3855377.25	5.46E-03	1.23E-06	6.40E-05	2.88E-05	5.55E-03	5.70E-03	1.26E-02	5.84E-03	9.87E-04	2.51E-02	5.68E-03	1.44E-06	6.40E-05	2.88E-05	5.78E-03
4158	497863.09	3855377.25	5.54E-03	1.27E-06	6.49E-05	2.89E-05	5.64E-03	5.78E-03	1.30E-02	5.92E-03	9.88E-04	2.57E-02	5.77E-03	1.49E-06	6.49E-05	2.89E-05	5.87E-03
4159	498363.09	3855377.25	5.75E-03	1.33E-06	6.57E-05	2.90E-05	5.84E-03	6.00E-03	1.36E-02	5.99E-03	9.92E-04	2.66E-02	5.98E-03	1.56E-06	6.57E-05	2.90E-05	6.08E-03
4160	471363.09	3855877.25	1.47E-03	4.15E-07	6.53E-06	6.87E-06	1.48E-03	1.53E-03	4.24E-03	5.95E-04	2.35E-04	6.60E-03	1.53E-03	4.85E-07	6.53E-06	6.87E-06	1.54E-03
4161	471863.09	3855877.25	1.54E-03	4.29E-07	6.85E-06	7.13E-06	1.56E-03	1.61E-03	4.39E-03	6.24E-04	2.44E-04	6.86E-03	1.61E-03	5.02E-07	6.85E-06	7.13E-06	1.62E-03
4162	472363.09	3855877.25	1.68E-03	4.70E-07	7.42E-06	7.49E-06	1.70E-03	1.75E-03	4.81E-03	6.77E-04	2.56E-04	7.49E-03	1.75E-03	5.50E-07	7.42E-06	7.49E-06	1.77E-03
4163	472863.09	3855877.25	1.74E-03	4.75E-07	7.65E-06	7.73E-06	1.76E-03	1.82E-03	4.85E-03	6.98E-04	2.64E-04	7.63E-03	1.81E-03	5.56E-07	7.65E-06	7.73E-06	1.83E-03
4164	473363.09	3855877.25	1.93E-03	5.33E-07	8.29E-06	8.16E-06	1.94E-03	2.01E-03	5.44E-03	7.56E-04	2.79E-04	8.49E-03	2.01E-03	6.23E-07	8.29E-06	8.16E-06	2.02E-03
4165	473863.09	3855877.25	2.09E-03	5.75E-07	8.74E-06	8.55E-06	2.10E-03	2.18E-03	5.87E-03	7.97E-04	2.92E-04	9.14E-03	2.17E-03	6.72E-07	8.74E-06	8.55E-06	2.19E-03
4166	474363.09	3855877.25	2.22E-03	5.97E-07	1.09E-05	9.30E-06	2.24E-03	2.32E-03	6.10E-03	9.95E-04	3.18E-04	9.73E-03	2.32E-03	6.98E-07	1.09E-05	9.30E-06	2.34E-03
4167	474863.09	3855877.25	1.93E-03	4.80E-07	9.12E-06	8.96E-06	1.95E-03	2.01E-03	4.90E-03	8.32E-04	3.06E-04	8.05E-03	2.01E-03	5.61E-07	9.12E-06	8.96E-06	2.03E-03
4168	475363.09	3855877.25	1.30E-03	3.62E-07	7.31E-06	8.61E-06	1.32E-03	1.36E-03	3.70E-03	6.67E-04	2.94E-04	6.02E-03	1.36E-03	4.24E-07	7.31E-06	8.61E-06	1.37E-03
4169	475863.09	3855877.25	6.06E-04	2.37E-07	6.76E-06	8.40E-06	6.21E-04	6.32E-04	2.42E-03	6.17E-04	2.87E-04	3.96E-03	6.31E-04	2.77E-07	6.76E-06	8.40E-06	6.46E-04
4170	476363.09	3855877.25	6.52E-04	2.53E-07	7.34E-06	8.85E-06	6.68E-04	6.80E-04	2.59E-03	6.69E-04	3.03E-04	4.24E-03	6.79E-04	2.96E-07	7.34E-06	8.85E-06	6.95E-04
4171	476863.09	3855877.25	9.76E-04	3.31E-07	8.25E-06	9.69E-06	9.94E-04	1.02E-03	3.39E-03	7.52E-04	3.31E-04	5.49E-03	1.02E-03	3.88E-07	8.25E-06	9.69E-06	1.03E-03
4172	477363.09	3855877.25	1.21E-03	3.80E-07	9.14E-06	1.03E-05	1.23E-03	1.26E-03	3.88E-03	8.34E-04	3.51E-04	6.33E-03	1.26E-03	4.45E-07	9.14E-06	1.03E-05	1.28E-03
4173	477863.09	3855877.25	1.48E-03	4.39E-07	9.80E-06	1.10E-05	1.50E-03	1.55E-03	4.48E-03	8.94E-04	3.75E-04	7.30E-03	1.54E-03	5.13E-07	9.80E-06	1.10E-05	1.56E-03
4174	478363.09	3855877.25	1.95E-03	5.22E-07	1.07E-05	1.19E-05	1.97E-03	2.03E-03	5.33E-03	9.79E-04	4.06E-04	8.75E-03	2.03E-03	6.11E-07	1.07E-05	1.19E-05	2.05E-03
4175	478863.09	3855877.25	2.59E-03	6.36E-07	1.20E-05	1.30E-05	2.62E-03	2.71E-03	6.50E-03	1.10E-03	4.45E-04	1.08E-02	2.70E-03	7.45E-07	1.20E-05	1.30E-05	2.73E-03
4176	479363.09	3855877.25	3.65E-03	7.99E-07	1.38E-05	1.46E-05	3.68E-03	3.81E-03	8.16E-03	1.26E-03	5.01E-04	1.37E-02	3.80E-03	9.34E-07	1.38E-05	1.46E-05	3.83E-03
4177	479863.09	3855877.25	4.95E-03	9.99E-07	1.56E-05	1.65E-05	4.98E-03	5.16E-03	1.02E-02	1.42E-03	5.65E-04	1.74E-02	5.15E-03	1.17E-06	1.56E-05	1.65E-05	5.19E-03
4178	480363.09	3855877.25	6.98E-03	1.34E-06	1.64E-05	1.90E-05	7.02E-03	7.29E-03	1.37E-02	1.50E-03	6.51E-04	2.31E-02	7.27E-03	1.57E-06	1.64E-05	1.90E-05	7.31E-03
4179	480863.09	3855877.25	9.70E-03	1.94E-06	1.59E-05	2.17E-05	9.74E-03	1.01E-02	1.99E-02	1.45E-03	7.41E-04	3.22E-02	1.01E-02	2.27E-06	1.59E-05	2.17E-05	1.01E-02
4180	481363.09	3855877.25	1.14E-02	2.21E-06	1.60E-05	2.47E-05	1.14E-02	1.19E-02	2.26E-02	1.46E-03	8.44E-04	3.68E-02	1.19E-02	2.59E-06	1.60E-05	2.47E-05	1.19E-02
4181	481863.09	3855877.25	1.56E-02	5.26E-06	1.61E-05	2.87E-05	1.57E-02	1.63E-02	5.38E-02	1.47E-03	9.81E-04	7.25E-02	1.63E-02	6.16E-06	1.61E-05	2.87E-05	1.63E-02
4182	482363.09	3855877.25	1.84E-02	1.19E-05	1.68E-05	4.03E-05	1.84E-02	1.92E-02	1.21E-01	1.53E-03	1.38E-03	1.43E-01	1.91E-02	1.39E-05	1.68E-05	4.03E-05	1.92E-02
4183	482863.09	3855877.25	2.41E-02	2.22E-05	1.63E-05	6.41E-05	2.42E-02	2.52E-02	2.27E-01	1.49E-03	2.19E-03	2.55E-01	2.51E-02	2.59E-05	1.63E-05	6.41E-05	2.52E-02
4184	483363.09	3855877.25	3.32E-02	8.78E-05	1.47E-05	1.16E-04	3.35E-02	3.47E-02	8.97E-01	1.34E-03	3.96E-03	9.37E-01	3.46E-02	1.03E-04	1.47E-05	1.16E-04	3.48E-02
4185	483863.09	3855877.25	4.79E-02	6.28E-05	1.27E-05	1.54E-04	4.81E-02	5.00E-02	6.42E-01	1.15E-03	5.27E-03	6.98E-01	4.99E-02	7.35E-05	1.27E-05	1.54E-04	5.01E-02
4186	484363.09	3855877.25	8.42E-02	3.32E-05	1.17E-05	3.00E-04	8.45E-02	8.78E-02	3.40E-01	1.06E-03	1.03E-02	4.39E-01	8.76E-02	3.89E-05	1.17E-05	3.00E-04	8.80E-02
4187	484863.09	3855877.25	1.81E-01	2.17E-05	1.18E-05	2.87E-04	1.81E-01	1.89E-01	2.21E-01	1.07E-03	9.81E-03	4.21E-01	1.88E-01	2.54E-05	1.18E-05	2.87E-04	1.89E-01
4188	485363.09	3855877.25	1.30E+00	1.66E-05	1.25E-05	2.17E-04	1.30E+00	1.36E+00	1.70E-01	1.14E-03	7.41E-03	1.54E+00	1.35E+00	1.95E-05	1.25E-05	2.17E-04	1.36E+00
4189	485863.09	3855877.25	8.49E-01	1.29E-05	1.35E-05	1.73E-04	8.49E-01	8.86E-01	1.32E-01	1.23E-03	5.90E-03	1.02E+00	8.84E-01	1.51E-05	1.35E-05	1.73E-04	8.84E-01
4190	486363.09	3855877.25	3.55E-01	1.03E-05	1.75E-05	1.42E-04	3.55E-01	3.70E-01	1.06E-01	1.60E-03	4.84E-03	4.82E-01	3.70E-01	1.21E-05	1.75E-05	1.42E-04	3.70E-01
4191	486863.09	3855877.25	2.29E-01	8.97E-06	2.33E-05	1.15E-04	2.29E-01	2.39E-01	9.17E-02	2.12E-03	3.93E-03	3.37E-01	2.39E-01	1.05E-05	2.33E-05	1.15E-04	2.39E-01
4192	487363.09	3855877.25	1.84E-01	8.68E-06	3.01E-05	9.58E-05	1.84E-01	1.92E-01	8.87E-02	2.75E-03	3.28E-03	2.86E-01	1.91E-01	1.02E-05	3.01E-05	9.58E-05	1.91E-01
4193	487863.09	3855877.25	1.52E-01	8.44E-06	2.59E-05	8.17E-05	1.52E-01	1.58E-01	8.62E-02	2.36E-03	2.79E-03	2.50E-01	1.58E-01	9.88E-06	2.59E-05	8.17E-05	1.58E-01
4194	488363.09	3855877.25	1.26E-01	8.02E-06	2.27E-05	7.15E-05	1.26E-01	1.32E-01	8.20E-02	2.07E-03	2.45E-03	2.18E-01	1.31E-01	9.39E-06	2.27E-05	7.15E-05	1.32E-01
4195	488863.09	3855877.25	1.07E-01	7.65E-06	2.95E-05	6.49E-05	1.07E-01	1.12E-01	7.82E-02	2.69E-03	2.22E-03	1.95E-01	1.11E-01	8.95E-06	2.95E-05	6.49E-05	1.11E-01
4196	489363.09	3855877.25	9.09E-02	7.25E-06	3.07E-05	5.94E-05	9.10E-02	9.48E-02	7.41E-02	2.80E-03	2.03E-03	1.74E-01	9.46E-02	8.48E-06	3.07E-05	5.94E-05	9.47E-02
4197	489863.09	3855877.25	7.77E-02	6.81E-06	3.97E-05	5.64E-05	7.79E-02	8.11E-02	6.96E-02	3.62E-03	1.93E-03	1.56E-01	8.10E-02	7.97E-06	3.97E-05	5.64E-05	8.11E-02
4198	490363.09	3855877.25	6.72E-02	6.48E-06	5.83E-05	5.39E-05	6.73E-02	7.01E-02	6.62E-02	5.32E-03	1.84E-03	1.43E-01	7.00E-02	7.58E-06	5.83E-05	5.39E-05	7.01E-02
4199	490863.09	3855877.25	5.78E-02	5.89E-06	6.33E-05	5.12E-05	5.80E-02	6.03E-02	6.02E-02	5.77E-03	1.75E-03	1.28E-01	6.02E-02	6.89E-06	6.33E-05	5.12E-05	6.03E-02
4200	491363.09	3855877.25	4.78E-02	4.90E-06	8.51E-05	4.87E-05	4.79E-02	4.99E-02	5.01E-02	7.76E-03	1.66E-03	1.09E-01	4.98E-02	5.74E-06	8.51E-05	4.87E-05	4.99E-02
4201	491863.09	3855877.25	4.46E-02	5.34E-06	9.34E-05	4.84E-05	4.47E-02	4.65E-02	5.46E-02	8.51E-03	1.66E-03	1.11E-01	4.64E-02	6.25E-06	9.34E-05	4.84E-05	4.66E-02
4202	492363.09	3855877.25	3.89E-02	4.87E-06	1.06E-04	4.78E-05	3.91E-02	4.06E-02	4.98E-02	9.69E-03	1.64E-03	1.02E-01	4.06E-02	5.70E-06	1.06E-04	4.78E-05	4.07E-02
4203	492863.09	3855877.25	3.43E-02	4.52E-06	1.17E-04	4.62E-05	3.44E-02	3.58E-02	4.61E-02	1.07E-02	1.58E-03	9.42E-02	3.57E-02	5.28E-06	1.17E-04	4.62E-05	3.59E-02
4204	493363.09	3855877.25	2.63E-02	3.52E-06	1.13E-04	4.21E-05	2.65E-02	2.75E-02	3.60E-02	1.03E-02	1.44E-03	7.52E-02	2.74E-02	4.12E-06	1.13E-04	4.21E-05	2.76E-02
4205	493863.09	3855877.25	1.81E-02	2.69E-06	9.46E-05	3.78E-05	1.82E-02	1.89E-02	2.75E-02	8.63E-03	1.29E-03	5.63E-02	1.88E-02	3.15E-06	9.46E-05	3.78E-05	1.90E-02

4206	494363.09	3855877.25	1.24E-02	2.10E-06	8.67E-05	3.49E-05	1.25E-02	1.29E-02	2.15E-02	7.90E-03	1.19E-03	4.35E-02	1.29E-02	2.46E-06	8.67E-05	3.49E-05	1.30E-02
4207	494863.09	3855877.25	9.03E-03	1.74E-06	8.29E-05	3.31E-05	9.14E-03	9.42E-03	1.78E-02	7.56E-03	1.13E-03	3.59E-02	9.40E-03	2.04E-06	8.29E-05	3.31E-05	9.52E-03
4208	495363.09	3855877.25	6.31E-03	1.37E-06	7.45E-05	3.07E-05	6.42E-03	6.59E-03	1.40E-02	6.79E-03	1.05E-03	2.85E-02	6.57E-03	1.61E-06	7.45E-05	3.07E-05	6.68E-03
4209	495863.09	3855877.25	5.90E-03	1.34E-06	7.33E-05	3.02E-05	6.00E-03	6.15E-03	1.37E-02	6.68E-03	1.03E-03	2.76E-02	6.14E-03	1.57E-06	7.33E-05	3.02E-05	6.25E-03
4210	496363.09	3855877.25	5.60E-03	1.33E-06	7.24E-05	2.99E-05	5.71E-03	5.85E-03	1.36E-02	6.60E-03	1.02E-03	2.71E-02	5.83E-03	1.56E-06	7.24E-05	2.99E-05	5.94E-03
4211	496863.09	3855877.25	5.60E-03	1.36E-06	7.31E-05	3.00E-05	5.71E-03	5.85E-03	1.39E-02	6.67E-03	1.03E-03	2.75E-02	5.84E-03	1.59E-06	7.31E-05	3.00E-05	5.94E-03
4212	497363.09	3855877.25	5.66E-03	1.40E-06	7.36E-05	3.01E-05	5.76E-03	5.90E-03	1.43E-02	6.71E-03	1.03E-03	2.80E-02	5.89E-03	1.64E-06	7.36E-05	3.01E-05	6.00E-03
4213	497863.09	3855877.25	5.84E-03	1.46E-06	7.45E-05	3.01E-05	5.94E-03	6.09E-03	1.49E-02	6.79E-03	1.03E-03	2.88E-02	6.08E-03	1.71E-06	7.45E-05	3.01E-05	6.18E-03
4214	498363.09	3855877.25	6.49E-03	1.60E-06	7.54E-05	3.04E-05	6.60E-03	6.77E-03	1.64E-02	6.87E-03	1.04E-03	3.11E-02	6.76E-03	1.87E-06	7.54E-05	3.04E-05	6.87E-03
4215	471363.09	3856377.25	1.49E-03	4.27E-07	5.80E-06	6.70E-06	1.50E-03	1.55E-03	4.36E-03	5.29E-04	2.29E-04	6.67E-03	1.55E-03	5.00E-07	5.80E-06	6.70E-06	1.56E-03
4216	471863.09	3856377.25	1.56E-03	4.41E-07	6.06E-06	6.95E-06	1.58E-03	1.63E-03	4.51E-03	5.53E-04	2.38E-04	6.93E-03	1.63E-03	5.16E-07	6.06E-06	6.95E-06	1.64E-03
4217	472363.09	3856377.25	1.68E-03	4.73E-07	6.44E-06	7.28E-06	1.70E-03	1.76E-03	4.83E-03	5.88E-04	2.49E-04	7.42E-03	1.75E-03	5.53E-07	6.44E-06	7.28E-06	1.77E-03
4218	472863.09	3856377.25	1.83E-03	5.14E-07	6.91E-06	7.66E-06	1.85E-03	1.91E-03	5.26E-03	6.30E-04	2.62E-04	8.06E-03	1.91E-03	6.02E-07	6.91E-06	7.66E-06	1.92E-03
4219	473363.09	3856377.25	1.98E-03	5.48E-07	7.38E-06	8.03E-06	1.99E-03	2.06E-03	5.60E-03	6.73E-04	2.75E-04	8.61E-03	2.06E-03	6.42E-07	7.38E-06	8.03E-06	2.07E-03
4220	473863.09	3856377.25	2.19E-03	6.21E-07	7.91E-06	8.48E-06	2.21E-03	2.29E-03	6.34E-03	7.21E-04	2.90E-04	9.64E-03	2.28E-03	7.26E-07	7.91E-06	8.48E-06	2.30E-03
4221	474363.09	3856377.25	2.24E-03	5.95E-07	8.25E-06	8.76E-06	2.26E-03	2.34E-03	6.08E-03	7.52E-04	3.00E-04	9.48E-03	2.34E-03	6.97E-07	8.25E-06	8.76E-06	2.35E-03
4222	474863.09	3856377.25	2.21E-03	5.51E-07	9.87E-06	9.32E-06	2.23E-03	2.31E-03	5.63E-03	9.00E-04	3.19E-04	9.16E-03	2.31E-03	6.45E-07	9.87E-06	9.32E-06	2.33E-03
4223	475363.09	3856377.25	1.87E-03	4.61E-07	8.14E-06	9.13E-06	1.89E-03	1.95E-03	4.71E-03	7.43E-04	3.12E-04	7.72E-03	1.95E-03	5.39E-07	8.14E-06	9.13E-06	1.97E-03
4224	475863.09	3856377.25	1.32E-03	3.70E-07	6.85E-06	9.00E-06	1.33E-03	1.37E-03	3.78E-03	6.24E-04	3.08E-04	6.08E-03	1.37E-03	4.33E-07	6.85E-06	9.00E-06	1.39E-03
4225	476363.09	3856377.25	1.24E-03	3.68E-07	7.02E-06	9.43E-06	1.26E-03	1.30E-03	3.76E-03	6.40E-04	3.22E-04	6.02E-03	1.30E-03	4.30E-07	7.02E-06	9.43E-06	1.31E-03
4226	476863.09	3856377.25	1.28E-03	3.84E-07	7.48E-06	9.92E-06	1.30E-03	1.34E-03	3.92E-03	6.83E-04	3.39E-04	6.28E-03	1.34E-03	4.49E-07	7.48E-06	9.92E-06	1.36E-03
4227	477363.09	3856377.25	1.39E-03	4.13E-07	8.02E-06	1.05E-05	1.41E-03	1.45E-03	4.22E-03	7.31E-04	3.59E-04	6.76E-03	1.45E-03	4.83E-07	8.02E-06	1.05E-05	1.47E-03
4228	477863.09	3856377.25	1.13E-03	3.83E-07	8.50E-06	1.10E-05	1.15E-03	1.18E-03	3.91E-03	7.76E-04	3.75E-04	6.24E-03	1.18E-03	4.48E-07	8.50E-06	1.10E-05	1.20E-03
4229	478363.09	3856377.25	1.02E-03	3.76E-07	8.82E-06	1.16E-05	1.04E-03	1.06E-03	3.84E-03	8.05E-04	3.95E-04	6.11E-03	1.06E-03	4.40E-07	8.82E-06	1.16E-05	1.08E-03
4230	478863.09	3856377.25	2.07E-03	5.65E-07	1.03E-05	1.29E-05	2.09E-03	2.16E-03	5.78E-03	9.42E-04	4.40E-04	9.32E-03	2.15E-03	6.61E-07	1.03E-05	1.29E-05	2.18E-03
4231	479363.09	3856377.25	2.77E-03	6.93E-07	1.23E-05	1.43E-05	2.80E-03	2.89E-03	7.08E-03	1.12E-03	4.90E-04	1.16E-02	2.89E-03	8.11E-07	1.23E-05	1.43E-05	2.92E-03
4232	479863.09	3856377.25	4.81E-03	1.00E-06	1.67E-05	1.70E-05	4.84E-03	5.02E-03	1.02E-02	1.53E-03	5.81E-04	1.74E-02	5.01E-03	1.17E-06	1.67E-05	1.70E-05	5.04E-03
4233	480363.09	3856377.25	7.28E-03	1.46E-06	1.82E-05	1.94E-05	7.32E-03	7.60E-03	1.49E-02	1.66E-03	6.63E-04	2.48E-02	7.58E-03	1.71E-06	1.82E-05	1.94E-05	7.62E-03
4234	480863.09	3856377.25	9.60E-03	2.07E-06	1.71E-05	2.06E-05	9.64E-03	1.00E-02	2.12E-02	1.56E-03	7.05E-04	3.35E-02	1.00E-02	2.42E-06	1.71E-05	2.06E-05	1.00E-02
4235	481363.09	3856377.25	1.24E-02	3.14E-06	1.70E-05	2.27E-05	1.24E-02	1.29E-02	3.21E-02	1.55E-03	7.76E-04	4.73E-02	1.29E-02	3.67E-06	1.70E-05	2.27E-05	1.29E-02
4236	481863.09	3856377.25	1.54E-02	5.91E-06	1.72E-05	2.60E-05	1.54E-02	1.60E-02	6.04E-02	1.57E-03	8.88E-04	7.89E-02	1.60E-02	6.91E-06	1.72E-05	2.60E-05	1.60E-02
4237	482363.09	3856377.25	1.81E-02	1.11E-05	1.83E-05	3.54E-05	1.82E-02	1.89E-02	1.13E-01	1.67E-03	1.21E-03	1.35E-01	1.89E-02	1.30E-05	1.83E-05	3.54E-05	1.89E-02
4238	482863.09	3856377.25	2.28E-02	1.79E-05	1.93E-05	5.20E-05	2.29E-02	2.38E-02	1.83E-01	1.76E-03	1.78E-03	2.10E-01	2.37E-02	2.09E-05	1.93E-05	5.20E-05	2.38E-02
4239	483363.09	3856377.25	2.94E-02	5.98E-05	2.00E-05	1.08E-04	2.96E-02	3.07E-02	6.11E-01	1.82E-03	3.69E-03	6.47E-01	3.06E-02	7.00E-05	2.00E-05	1.08E-04	3.08E-02
4240	483863.09	3856377.25	4.04E-02	1.26E-04	1.99E-05	2.67E-04	4.08E-02	4.21E-02	1.29E+00	1.81E-03	9.13E-03	1.34E+00	4.21E-02	1.47E-04	1.99E-05	2.67E-04	4.25E-02
4241	484363.09	3856377.25	5.74E-02	1.24E-04	1.82E-05	4.26E-04	5.80E-02	5.99E-02	1.27E+00	1.66E-03	1.46E-02	1.35E+00	5.98E-02	1.46E-04	1.82E-05	4.26E-04	6.03E-02
4242	484863.09	3856377.25	8.65E-02	5.75E-05	1.59E-05	5.72E-04	8.71E-02	9.02E-02	5.88E-01	1.45E-03	1.96E-02	6.99E-01	9.00E-02	6.73E-05	1.59E-05	5.72E-04	9.07E-02
4243	485363.09	3856377.25	1.58E-01	3.59E-05	1.50E-05	3.80E-04	1.59E-01	1.65E-01	3.67E-01	1.37E-03	1.30E-02	5.46E-01	1.65E-01	4.20E-05	1.50E-05	3.80E-04	1.65E-01
4244	485863.09	3856377.25	7.69E-01	2.49E-05	1.60E-05	2.21E-04	7.69E-01	8.02E-01	2.55E-01	1.46E-03	7.55E-03	1.07E+00	8.01E-01	2.91E-05	1.60E-05	2.21E-04	8.01E-01
4245	486363.09	3856377.25	9.57E-01	1.62E-05	1.76E-05	1.49E-04	9.57E-01	9.98E-01	1.66E-01	1.61E-03	5.09E-03	1.17E+00	9.96E-01	1.90E-05	1.76E-05	1.49E-04	9.96E-01
4246	486863.09	3856377.25	4.37E-01	1.43E-05	2.23E-05	1.11E-04	4.37E-01	4.56E-01	1.46E-01	2.03E-03	3.79E-03	6.08E-01	4.55E-01	1.68E-05	2.23E-05	1.11E-04	4.55E-01
4247	487363.09	3856377.25	2.93E-01	1.32E-05	3.02E-05	8.88E-05	2.93E-01	3.06E-01	1.35E-01	2.75E-03	3.04E-03	4.46E-01	3.05E-01	1.54E-05	3.02E-05	8.88E-05	3.05E-01
4248	487863.09	3856377.25	2.18E-01	1.24E-05	3.54E-05	7.38E-05	2.18E-01	2.27E-01	1.27E-01	3.22E-03	2.53E-03	3.60E-01	2.27E-01	1.45E-05	3.54E-05	7.38E-05	2.27E-01
4249	488363.09	3856377.25	1.68E-01	1.14E-05	3.09E-05	6.42E-05	1.68E-01	1.75E-01	1.16E-01	2.81E-03	2.20E-03	2.96E-01	1.75E-01	1.33E-05	3.09E-05	6.42E-05	1.75E-01
4250	488863.09	3856377.25	1.32E-01	1.05E-05	3.62E-05	5.81E-05	1.32E-01	1.38E-01	1.07E-01	3.30E-03	1.99E-03	2.50E-01	1.37E-01	1.23E-05	3.62E-05	5.81E-05	1.38E-01
4251	489363.09	3856377.25	1.06E-01	9.69E-06	4.65E-05	5.50E-05	1.06E-01	1.11E-01	9.90E-02	4.24E-03	1.88E-03	2.16E-01	1.11E-01	1.13E-05	4.65E-05	5.50E-05	1.11E-01
4252	489863.09	3856377.25	8.74E-02	8.97E-06	7.66E-05	5.30E-05	8.75E-02	9.11E-02	9.17E-02	6.99E-03	1.81E-03	1.92E-01	9.10E-02	1.05E-05	7.66E-05	5.30E-05	9.11E-02
4253	490363.09	3856377.25	7.31E-02	8.22E-06	9.15E-05	5.05E-05	7.32E-02	7.62E-02	8.40E-02	8.35E-03	1.73E-03	1.70E-01	7.61E-02	9.62E-06	9.15E-05	5.05E-05	7.62E-02
4254	490863.09	3856377.25	6.19E-02	7.56E-06	1.16E-04	4.90E-05	6.21E-02	6.46E-02	7.73E-02	1.06E-02	1.68E-03	1.54E-01	6.45E-02	8.85E-06	1.16E-04	4.90E-05	6.47E-02
4255	491363.09	3856377.25	5.32E-02	7.04E-06	1.34E-04	4.92E-05	5.34E-02	5.55E-02	7.19E-02	1.22E-02	1.68E-03	1.41E-01	5.54E-02	8.23E-06	1.34E-04	4.92E-05	5.56E-02
4256	491863.09	3856377.25	4.60E-02	6.45E-06	1.48E-04	4.91E-05	4.63E-02	4.80E-02	6.59E-02	1.35E-02	1.68E-03	1.29E-01	4.80E-02	7.55E-06	1.48E-04	4.91E-05	4.82E-02
4257	492363.09	3856377.25	3.96E-02	5.74E-06	1.54E-04	4.84E-05	3.99E-02	4.14E-02	5.86E-02	1.40E-02	1.66E-03	1.16E-01	4.13E-02	6.71E-06	1.54E-04	4.84E-05	4.15E-02
4258	492863.09	3856377.25	3.20E-02	4.67E-06	1.48E-04	4.59E-05	3.22E-02	3.34E-02	4.77E-02	1.35E-02	1.57E-03	9.63E-02	3.34E-02	5.47E-06	1.48E-04	4.59E-05	3.36E-02
4259	493363.09	3856377.25	2.02E-02	3.24E-06	1.25E-04	4.02E-05	2.03E-02	2.11E-02	3.31E-02	1.14E-02	1.37E-03	6.70E-02	2.10E-02	3.80E-06	1.25E-04	4.02E-05	2.12E-02
4260	493863.09	3856377.25	1.50E-02	2.71E-06	1.15E-04	3.78E-05	1.52E-02	1.57E-02	2.77E-02	1.05E-02	1.29E-03	5.52E-02	1.57E-02	3.17E-06	1.15E-04	3.78E-05	1.58E-02
4261	494363.09	3856377.25	1.05E-02	2.17E-06	1.05E-04	3.56E-05	1.06E-02	1.10E-02	2.22E-02	9.62E-03	1.22E-03	4.40E-02	1.09E-02	2.54E-06	1.05E-04	3.56E-05	1.11E-02
4262	494863.09	3856377.25	7.64E-03	1.77E-06	9.60E-05	3.36E-05	7.77E-03	7.97E-03	1.81E-02	8.76E-03	1.15E-03	3.60E-02	7.95E-03	2.08E-06	9.60E-05	3.36E-05	8.08E-03
4263	495363.09	3856377.25	6.03E-03	1.52E-06	8.62E-05	3.19E-05	6.15E-03	6.29E-03	1.55E-02	7.86E-03	1.09E-03	3.08E-02	6.28E-03	1.78E-06	8.62E-05	3.19E-05	6.40E-03
4264	495863.09	3856377.25	5.59E-03	1.47E-06	8.26E-05	3.13E-05	5.71E-03	5.84E-03	1.50E-02	7.53E-03	1.07E-03	2.94E-02	5.82E-03	1.72E-06	8.26E-05	3.13E-05	5.94E-03
4265	496363.09	3856377.25	5.48E-03	1.48E-06	8.10E-05	3.11E-05	5.60E-03	5.72E-03	1.51E-02	7.39E-03	1.06E-03	2.93E-02	5.71E-03	1.73E-06	8.10E-05	3.11E-05	5.82E-03
4266	496863.09	3856377.25	5.73E-03	1.56E-06	8.23E-05	3.15E-05	5.84E-03	5.97E-03	1.59E-02	7.50E-03	1.08E-03	3.05E-02	5.96E-03	1.83E-06	8.23E-05	3.15E-05	6.08E-03

4267	497363.09	3856377.25	5.95E-03	1.63E-06	8.23E-05	3.15E-05	6.06E-03	6.21E-03	1.67E-02	7.50E-03	1.08E-03	3.15E-02	6.20E-03	1.91E-06	8.23E-05	3.15E-05	6.31E-03
4268	497863.09	3856377.25	6.38E-03	1.74E-06	8.13E-05	3.16E-05	6.49E-03	6.65E-03	1.78E-02	7.42E-03	1.08E-03	3.29E-02	6.64E-03	2.03E-06	8.13E-05	3.16E-05	6.75E-03
4269	498363.09	3856377.25	7.00E-03	1.88E-06	8.13E-05	3.17E-05	7.12E-03	7.31E-03	1.92E-02	7.42E-03	1.08E-03	3.50E-02	7.29E-03	2.20E-06	8.13E-05	3.17E-05	7.41E-03
4270	471363.09	3856877.25	1.53E-03	4.42E-07	5.89E-06	6.63E-06	1.54E-03	1.59E-03	4.51E-03	5.37E-04	2.27E-04	6.87E-03	1.59E-03	5.17E-07	5.89E-06	6.63E-06	1.60E-03
4271	471863.09	3856877.25	1.59E-03	4.50E-07	6.02E-06	6.87E-06	1.61E-03	1.66E-03	4.60E-03	5.49E-04	2.35E-04	7.05E-03	1.66E-03	5.27E-07	6.02E-06	6.87E-06	1.67E-03
4272	472363.09	3856877.25	1.71E-03	4.81E-07	6.25E-06	7.21E-06	1.73E-03	1.79E-03	4.92E-03	5.70E-04	2.47E-04	7.52E-03	1.78E-03	5.63E-07	6.25E-06	7.21E-06	1.80E-03
4273	472863.09	3856877.25	1.84E-03	5.12E-07	6.48E-06	7.60E-06	1.85E-03	1.92E-03	5.23E-03	5.91E-04	2.60E-04	8.00E-03	1.91E-03	5.99E-07	6.48E-06	7.60E-06	1.93E-03
4274	473363.09	3856877.25	2.04E-03	5.82E-07	6.80E-06	8.07E-06	2.05E-03	2.12E-03	5.95E-03	6.21E-04	2.76E-04	8.97E-03	2.12E-03	6.81E-07	6.80E-06	8.07E-06	2.13E-03
4275	473863.09	3856877.25	2.18E-03	6.20E-07	7.08E-06	8.50E-06	2.20E-03	2.28E-03	6.34E-03	6.46E-04	2.91E-04	9.55E-03	2.27E-03	7.26E-07	7.08E-06	8.50E-06	2.29E-03
4276	474363.09	3856877.25	2.21E-03	5.89E-07	7.27E-06	8.78E-06	2.23E-03	2.30E-03	6.01E-03	6.63E-04	3.00E-04	9.28E-03	2.30E-03	6.89E-07	7.27E-06	8.78E-06	2.32E-03
4277	474863.09	3856877.25	2.15E-03	5.40E-07	8.19E-06	9.36E-06	2.17E-03	2.25E-03	5.52E-03	7.47E-04	3.20E-04	8.83E-03	2.24E-03	6.32E-07	8.19E-06	9.36E-06	2.26E-03
4278	475363.09	3856877.25	1.91E-03	4.72E-07	7.51E-06	9.19E-06	1.93E-03	1.99E-03	4.82E-03	6.84E-04	3.14E-04	7.81E-03	1.99E-03	5.52E-07	7.51E-06	9.19E-06	2.01E-03
4279	475863.09	3856877.25	1.94E-03	4.80E-07	7.68E-06	9.54E-06	1.96E-03	2.02E-03	4.90E-03	7.00E-04	3.26E-04	7.95E-03	2.02E-03	5.61E-07	7.68E-06	9.54E-06	2.04E-03
4280	476363.09	3856877.25	1.71E-03	4.46E-07	7.51E-06	9.56E-06	1.72E-03	1.78E-03	4.55E-03	6.84E-04	3.27E-04	7.35E-03	1.78E-03	5.21E-07	7.51E-06	9.56E-06	1.80E-03
4281	476863.09	3856877.25	1.65E-03	4.48E-07	7.38E-06	9.95E-06	1.67E-03	1.72E-03	4.58E-03	6.73E-04	3.40E-04	7.31E-03	1.72E-03	5.24E-07	7.38E-06	9.95E-06	1.74E-03
4282	477363.09	3856877.25	1.47E-03	4.29E-07	7.42E-06	1.03E-05	1.49E-03	1.53E-03	4.38E-03	6.77E-04	3.52E-04	6.94E-03	1.53E-03	5.01E-07	7.42E-06	1.03E-05	1.55E-03
4283	477863.09	3856877.25	1.01E-03	3.61E-07	7.25E-06	1.06E-05	1.02E-03	1.05E-03	3.69E-03	6.61E-04	3.64E-04	5.76E-03	1.05E-03	4.22E-07	7.25E-06	1.06E-05	1.06E-03
4284	478363.09	3856877.25	9.05E-04	3.51E-07	7.61E-06	1.12E-05	9.24E-04	9.44E-04	3.59E-03	6.94E-04	3.81E-04	5.61E-03	9.42E-04	4.11E-07	7.61E-06	1.12E-05	9.61E-04
4285	478863.09	3856877.25	1.17E-03	4.16E-07	8.42E-06	1.20E-05	1.20E-03	1.23E-03	4.25E-03	7.68E-04	4.10E-04	6.66E-03	1.22E-03	4.87E-07	8.42E-06	1.20E-05	1.24E-03
4286	479363.09	3856877.25	1.62E-03	5.13E-07	9.16E-06	1.30E-05	1.64E-03	1.69E-03	5.24E-03	8.36E-04	4.43E-04	8.21E-03	1.69E-03	6.00E-07	9.16E-06	1.30E-05	1.71E-03
4287	479863.09	3856877.25	4.43E-03	9.44E-07	1.59E-05	1.68E-05	4.47E-03	4.63E-03	9.64E-03	1.45E-03	5.75E-04	1.63E-02	4.62E-03	1.10E-06	1.59E-05	1.68E-05	4.65E-03
4288	480363.09	3856877.25	7.26E-03	1.45E-06	1.74E-05	2.04E-05	7.30E-03	7.58E-03	1.48E-02	1.59E-03	6.96E-04	2.47E-02	7.56E-03	1.70E-06	1.74E-05	2.04E-05	7.60E-03
4289	480863.09	3856877.25	9.88E-03	2.28E-06	1.48E-05	1.99E-05	9.92E-03	1.03E-02	2.33E-02	1.35E-03	6.80E-04	3.57E-02	1.03E-02	2.67E-06	1.48E-05	1.99E-05	1.03E-02
4290	481363.09	3856877.25	1.24E-02	3.49E-06	1.48E-05	2.08E-05	1.25E-02	1.30E-02	3.57E-02	1.35E-03	7.12E-04	5.07E-02	1.29E-02	4.09E-06	1.48E-05	2.08E-05	1.30E-02
4291	481863.09	3856877.25	1.49E-02	4.88E-06	1.59E-05	2.37E-05	1.50E-02	1.56E-02	4.99E-02	1.45E-03	8.11E-04	6.77E-02	1.55E-02	5.71E-06	1.59E-05	2.37E-05	1.56E-02
4292	482363.09	3856877.25	1.68E-02	9.60E-06	1.76E-05	2.72E-05	1.69E-02	1.75E-02	9.81E-02	1.61E-03	9.30E-04	1.18E-01	1.75E-02	1.12E-05	1.76E-05	2.72E-05	1.76E-02
4293	482863.09	3856877.25	2.00E-02	1.50E-05	1.93E-05	3.41E-05	2.01E-02	2.09E-02	1.53E-01	1.76E-03	1.17E-03	1.77E-01	2.08E-02	1.75E-05	1.93E-05	3.41E-05	2.09E-02
4294	483363.09	3856877.25	2.50E-02	2.83E-05	2.13E-05	5.19E-05	2.51E-02	2.61E-02	2.90E-01	1.94E-03	1.78E-03	3.19E-01	2.60E-02	3.32E-05	2.13E-05	5.19E-05	2.61E-02
4295	483863.09	3856877.25	3.23E-02	1.17E-04	2.33E-05	7.50E-05	3.25E-02	3.37E-02	1.19E+00	2.13E-03	2.57E-03	1.23E+00	3.36E-02	1.37E-04	2.33E-05	7.50E-05	3.39E-02
4296	484363.09	3856877.25	4.24E-02	1.51E-04	2.51E-05	1.21E-04	4.27E-02	4.42E-02	1.55E+00	2.29E-03	4.15E-03	1.60E+00	4.42E-02	1.77E-04	2.51E-05	1.21E-04	4.45E-02
4297	484863.09	3856877.25	5.56E-02	1.78E-04	2.59E-05	1.55E-04	5.60E-02	5.80E-02	1.82E+00	2.36E-03	5.29E-03	1.88E+00	5.79E-02	2.08E-04	2.59E-05	1.55E-04	5.83E-02
4298	485363.09	3856877.25	8.08E-02	7.56E-05	2.52E-05	1.89E-04	8.11E-02	8.43E-02	7.73E-01	2.30E-03	6.47E-03	8.66E-01	8.41E-02	8.85E-05	2.52E-05	1.89E-04	8.44E-02
4299	485863.09	3856877.25	1.35E-01	4.54E-05	2.26E-05	1.22E-04	1.35E-01	1.40E-01	4.64E-01	2.06E-03	4.17E-03	6.11E-01	1.40E-01	5.31E-05	2.26E-05	1.22E-04	1.40E-01
4300	486363.09	3856877.25	4.31E-01	2.36E-05	2.24E-05	9.38E-05	4.31E-01	4.49E-01	2.41E-01	2.04E-03	3.21E-03	6.95E-01	4.48E-01	2.76E-05	2.24E-05	9.38E-05	4.48E-01
4301	486863.09	3856877.25	1.67E+00	1.95E-05	2.66E-05	7.35E-05	1.67E+00	1.74E+00	1.99E-01	2.43E-03	2.52E-03	1.95E+00	1.74E+00	2.28E-05	2.66E-05	7.35E-05	1.74E+00
4302	487363.09	3856877.25	4.72E-01	1.80E-05	3.63E-05	6.45E-05	4.72E-01	4.92E-01	1.84E-01	3.31E-03	2.21E-03	6.81E-01	4.91E-01	2.10E-05	3.63E-05	6.45E-05	4.91E-01
4303	487863.09	3856877.25	2.61E-01	1.63E-05	5.45E-05	5.86E-05	2.61E-01	2.73E-01	1.66E-01	4.97E-03	2.01E-03	4.46E-01	2.72E-01	1.90E-05	5.45E-05	5.86E-05	2.72E-01
4304	488363.09	3856877.25	1.73E-01	1.48E-05	4.94E-05	5.44E-05	1.73E-01	1.80E-01	1.51E-01	4.50E-03	1.86E-03	3.38E-01	1.80E-01	1.73E-05	4.94E-05	5.44E-05	1.80E-01
4305	488863.09	3856877.25	1.27E-01	1.33E-05	6.42E-05	5.31E-05	1.27E-01	1.33E-01	1.36E-01	5.86E-03	1.82E-03	2.77E-01	1.32E-01	1.56E-05	6.42E-05	5.31E-05	1.33E-01
4306	489363.09	3856877.25	9.93E-02	1.23E-05	1.29E-04	5.29E-05	9.95E-02	1.04E-01	1.25E-01	1.17E-02	1.81E-03	2.42E-01	1.03E-01	1.43E-05	1.29E-04	5.29E-05	1.04E-01
4307	489863.09	3856877.25	8.09E-02	1.12E-05	1.77E-04	5.16E-05	8.12E-02	8.44E-02	1.14E-01	1.61E-02	1.76E-03	2.17E-01	8.43E-02	1.31E-05	1.77E-04	5.16E-05	8.45E-02
4308	490363.09	3856877.25	6.77E-02	1.01E-05	2.10E-04	5.10E-05	6.79E-02	7.06E-02	1.03E-01	1.91E-02	1.74E-03	1.95E-01	7.05E-02	1.18E-05	2.10E-04	5.10E-05	7.07E-02
4309	490863.09	3856877.25	5.76E-02	9.22E-06	2.22E-04	5.13E-05	5.78E-02	6.00E-02	9.42E-02	2.02E-02	1.76E-03	1.76E-01	5.99E-02	1.08E-05	2.22E-04	5.13E-05	6.02E-02
4310	491363.09	3856877.25	4.97E-02	8.45E-06	2.18E-04	5.20E-05	5.00E-02	5.19E-02	8.64E-02	1.99E-02	1.78E-03	1.60E-01	5.17E-02	9.89E-06	2.18E-04	5.20E-05	5.20E-02
4311	491863.09	3856877.25	4.32E-02	7.70E-06	2.14E-04	5.20E-05	4.35E-02	4.51E-02	7.86E-02	1.95E-02	1.78E-03	1.45E-01	4.50E-02	9.00E-06	2.14E-04	5.20E-05	4.53E-02
4312	492363.09	3856877.25	3.54E-02	6.00E-06	2.17E-04	5.12E-05	3.57E-02	3.69E-02	6.13E-02	1.98E-02	1.75E-03	1.20E-01	3.69E-02	7.02E-06	2.17E-04	5.12E-05	3.71E-02
4313	492863.09	3856877.25	2.74E-02	4.85E-06	1.99E-04	4.75E-05	2.77E-02	2.86E-02	4.95E-02	1.82E-02	1.62E-03	9.79E-02	2.85E-02	5.67E-06	1.99E-04	4.75E-05	2.88E-02
4314	493363.09	3856877.25	1.93E-02	3.79E-06	1.64E-04	4.29E-05	1.95E-02	2.01E-02	3.87E-02	1.49E-02	1.47E-03	7.52E-02	2.01E-02	4.43E-06	1.64E-04	4.29E-05	2.03E-02
4315	493863.09	3856877.25	1.27E-02	2.87E-06	1.36E-04	3.95E-05	1.28E-02	1.32E-02	2.93E-02	1.24E-02	1.35E-03	5.63E-02	1.32E-02	3.36E-06	1.36E-04	3.95E-05	1.34E-02
4316	494363.09	3856877.25	8.69E-03	2.26E-06	1.18E-04	3.73E-05	8.85E-03	9.07E-03	2.31E-02	1.08E-02	1.27E-03	4.42E-02	9.05E-03	2.65E-06	1.18E-04	3.73E-05	9.21E-03
4317	494863.09	3856877.25	7.09E-03	1.98E-06	1.07E-04	3.57E-05	7.23E-03	7.39E-03	2.03E-02	9.74E-03	1.22E-03	3.86E-02	7.38E-03	2.32E-06	1.07E-04	3.57E-05	7.53E-03
4318	495363.09	3856877.25	6.20E-03	1.82E-06	9.75E-05	3.44E-05	6.33E-03	6.47E-03	1.86E-02	8.89E-03	1.18E-03	3.52E-02	6.46E-03	2.13E-06	9.75E-05	3.44E-05	6.59E-03
4319	495863.09	3856877.25	5.90E-03	1.79E-06	9.21E-05	3.37E-05	6.03E-03	6.16E-03	1.82E-02	8.40E-03	1.15E-03	3.40E-02	6.15E-03	2.09E-06	9.21E-05	3.37E-05	6.27E-03
4320	496363.09	3856877.25	5.73E-03	1.77E-06	8.70E-05	3.31E-05	5.85E-03	5.97E-03	1.80E-02	7.94E-03	1.13E-03	3.31E-02	5.96E-03	2.07E-06	8.70E-05	3.31E-05	6.08E-03
4321	496863.09	3856877.25	5.75E-03	1.79E-06	8.53E-05	3.29E-05	5.87E-03	6.00E-03	1.83E-02	7.78E-03	1.12E-03	3.33E-02	5.99E-03	2.10E-06	8.53E-05	3.29E-05	6.11E-03
4322	497363.09	3856877.25	6.02E-03	1.87E-06	8.29E-05	3.28E-05	6.14E-03	6.28E-03	1.91E-02	7.56E-03	1.12E-03	3.40E-02	6.27E-03	2.18E-06	8.29E-05	3.28E-05	6.39E-03
4323	497863.09	3856877.25	6.76E-03	2.04E-06	8.27E-05	3.29E-05	6.88E-03	7.05E-03	2.08E-02	7.54E-03	1.13E-03	3.65E-02	7.04E-03	2.38E-06	8.27E-05	3.29E-05	7.16E-03
4324	498363.09	3856877.25	7.67E-03	2.25E-06	8.37E-05	3.30E-05	7.79E-03	8.00E-03	2.30E-02	7.63E-03	1.13E-03	3.97E-02	7.99E-03	2.63E-06	8.37E-05	3.30E-05	8.11E-03
4325	471363.09	3857377.25	1.56E-03	4.49E-07	6.70E-06	6.76E-06	1.58E-03	1.63E-03	4.58E-03	6.11E-04	2.31E-04	7.06E-03	1.63E-03	5.25E-07	6.70E-06	6.76E-06	1.64E-03
4326	471863.09	3857377.25	1.62E-03	4.56E-07	6.85E-06	6.95E-06	1.63E-03	1.69E-03	4.66E-03	6.24E-04	2.38E-04	7.21E-03	1.69E-03	5.33E-07	6.85E-06	6.95E-06	1.70E-03
4327	472363.09	3857377.25	1.71E-03	4.81E-07	7.06E-06	7.25E-06	1.73E-03	1.79E-03	4.92E-03	6.44E-04	2.48E-04	7.60E-03	1.79E-03	5.63E-07	7.06E-06	7.25E-06	1.80E-03

4328	472863.09	3857377.25	1.84E-03	5.17E-07	7.31E-06	7.60E-06	1.86E-03	1.92E-03	5.29E-03	6.67E-04	2.60E-04	8.13E-03	1.92E-03	6.05E-07	7.31E-06	7.60E-06	1.93E-03
4329	473363.09	3857377.25	2.00E-03	5.70E-07	7.57E-06	7.99E-06	2.01E-03	2.09E-03	5.82E-03	6.90E-04	2.73E-04	8.87E-03	2.08E-03	6.67E-07	7.57E-06	7.99E-06	2.10E-03
4330	473863.09	3857377.25	2.19E-03	6.42E-07	7.78E-06	8.37E-06	2.20E-03	2.28E-03	6.56E-03	7.10E-04	2.86E-04	9.83E-03	2.28E-03	7.51E-07	7.78E-06	8.37E-06	2.29E-03
4331	474363.09	3857377.25	2.16E-03	5.79E-07	7.99E-06	8.52E-06	2.18E-03	2.25E-03	5.92E-03	7.29E-04	2.92E-04	9.19E-03	2.25E-03	6.78E-07	7.99E-06	8.52E-06	2.27E-03
4332	474863.09	3857377.25	1.76E-03	4.40E-07	7.76E-06	8.35E-06	1.78E-03	1.84E-03	4.50E-03	7.08E-04	2.86E-04	7.33E-03	1.83E-03	5.15E-07	7.76E-06	8.35E-06	1.85E-03
4333	475363.09	3857377.25	1.23E-03	3.44E-07	6.46E-06	7.97E-06	1.25E-03	1.29E-03	3.52E-03	5.89E-04	2.72E-04	5.67E-03	1.29E-03	4.03E-07	6.46E-06	7.97E-06	1.30E-03
4334	475863.09	3857377.25	1.15E-03	3.39E-07	6.53E-06	8.29E-06	1.17E-03	1.20E-03	3.46E-03	5.95E-04	2.83E-04	5.54E-03	1.20E-03	3.97E-07	6.53E-06	8.29E-06	1.21E-03
4335	476363.09	3857377.25	1.54E-03	4.12E-07	7.48E-06	8.96E-06	1.56E-03	1.61E-03	4.21E-03	6.83E-04	3.06E-04	6.81E-03	1.61E-03	4.83E-07	7.48E-06	8.96E-06	1.62E-03
4336	476863.09	3857377.25	1.65E-03	4.42E-07	7.57E-06	9.43E-06	1.67E-03	1.72E-03	4.51E-03	6.90E-04	3.22E-04	7.25E-03	1.72E-03	5.17E-07	7.57E-06	9.43E-06	1.74E-03
4337	477363.09	3857377.25	1.46E-03	4.16E-07	7.51E-06	9.80E-06	1.48E-03	1.52E-03	4.25E-03	6.84E-04	3.35E-04	6.79E-03	1.52E-03	4.86E-07	7.51E-06	9.80E-06	1.54E-03
4338	477863.09	3857377.25	1.09E-03	3.65E-07	7.19E-06	1.02E-05	1.11E-03	1.14E-03	3.73E-03	6.55E-04	3.48E-04	5.88E-03	1.14E-03	4.27E-07	7.19E-06	1.02E-05	1.15E-03
4339	478363.09	3857377.25	8.28E-04	3.30E-07	7.36E-06	1.07E-05	8.46E-04	8.63E-04	3.37E-03	6.71E-04	3.67E-04	5.27E-03	8.62E-04	3.86E-07	7.36E-06	1.07E-05	8.80E-04
4340	478863.09	3857377.25	7.04E-04	3.16E-07	7.48E-06	1.14E-05	7.23E-04	7.35E-04	3.23E-03	6.83E-04	3.89E-04	5.03E-03	7.33E-04	3.70E-07	7.48E-06	1.14E-05	7.52E-04
4341	479363.09	3857377.25	1.18E-03	4.29E-07	8.40E-06	1.26E-05	1.20E-03	1.23E-03	4.39E-03	7.66E-04	4.30E-04	6.81E-03	1.23E-03	5.02E-07	8.40E-06	1.26E-05	1.25E-03
4342	479863.09	3857377.25	3.61E-03	8.23E-07	1.26E-05	1.60E-05	3.63E-03	3.76E-03	8.41E-03	1.15E-03	5.46E-04	1.39E-02	3.75E-03	9.63E-07	1.26E-05	1.60E-05	3.78E-03
4343	480363.09	3857377.25	2.95E-03	7.56E-07	1.14E-05	1.60E-05	2.98E-03	3.08E-03	7.73E-03	1.04E-03	5.46E-04	1.24E-02	3.07E-03	8.85E-07	1.14E-05	1.60E-05	3.10E-03
4344	480863.09	3857377.25	9.79E-03	2.30E-06	1.38E-05	2.00E-05	9.83E-03	1.02E-02	2.35E-02	1.26E-03	6.84E-04	3.57E-02	1.02E-02	2.69E-06	1.38E-05	2.00E-05	1.02E-02
4345	481363.09	3857377.25	1.12E-02	2.57E-06	1.45E-05	2.11E-05	1.12E-02	1.16E-02	2.62E-02	1.32E-03	7.23E-04	3.99E-02	1.16E-02	3.00E-06	1.45E-05	2.11E-05	1.17E-02
4346	481863.09	3857377.25	1.35E-02	3.85E-06	1.46E-05	2.29E-05	1.35E-02	1.41E-02	3.93E-02	1.33E-03	7.85E-04	5.55E-02	1.41E-02	4.50E-06	1.46E-05	2.29E-05	1.41E-02
4347	482363.09	3857377.25	1.54E-02	7.64E-06	1.53E-05	2.43E-05	1.55E-02	1.61E-02	7.81E-02	1.39E-03	8.31E-04	9.64E-02	1.60E-02	8.94E-06	1.53E-05	2.43E-05	1.61E-02
4348	482863.09	3857377.25	1.76E-02	1.11E-05	1.69E-05	2.89E-05	1.77E-02	1.84E-02	1.14E-01	1.54E-03	9.88E-04	1.35E-01	1.83E-02	1.30E-05	1.69E-05	2.89E-05	1.84E-02
4349	483363.09	3857377.25	2.11E-02	1.58E-05	1.88E-05	3.58E-05	2.12E-02	2.21E-02	1.62E-01	1.71E-03	1.23E-03	1.87E-01	2.20E-02	1.85E-05	1.88E-05	3.58E-05	2.21E-02
4350	483863.09	3857377.25	2.58E-02	2.36E-05	2.13E-05	4.20E-05	2.59E-02	2.69E-02	2.41E-01	1.94E-03	1.44E-03	2.72E-01	2.69E-02	2.76E-05	2.13E-05	4.20E-05	2.70E-02
4351	484363.09	3857377.25	3.15E-02	3.80E-05	2.44E-05	4.01E-05	3.16E-02	3.28E-02	3.89E-01	2.23E-03	1.37E-03	4.25E-01	3.28E-02	4.45E-05	2.44E-05	4.01E-05	3.29E-02
4352	484863.09	3857377.25	3.84E-02	6.82E-05	2.84E-05	4.17E-05	3.86E-02	4.01E-02	6.97E-01	2.59E-03	1.43E-03	7.41E-01	4.00E-02	7.98E-05	2.84E-05	4.17E-05	4.02E-02
4353	485363.09	3857377.25	4.78E-02	1.67E-04	3.29E-05	4.35E-05	4.80E-02	4.99E-02	1.70E+00	3.00E-03	1.49E-03	1.76E+00	4.98E-02	1.95E-04	3.29E-05	4.35E-05	5.00E-02
4354	485863.09	3857377.25	6.17E-02	9.62E-05	3.74E-05	4.71E-05	6.19E-02	6.44E-02	9.83E-01	3.41E-03	1.61E-03	1.05E+00	6.43E-02	1.13E-04	3.74E-05	4.71E-05	6.45E-02
4355	486363.09	3857377.25	9.02E-02	4.28E-05	4.19E-05	4.90E-05	9.04E-02	9.41E-02	4.37E-01	3.83E-03	1.68E-03	5.37E-01	9.39E-02	5.00E-05	4.19E-05	4.90E-05	9.41E-02
4356	486863.09	3857377.25	1.22E-01	2.46E-05	4.31E-05	5.04E-05	1.22E-01	1.27E-01	2.52E-01	3.93E-03	1.73E-03	3.84E-01	1.27E-01	2.88E-05	4.31E-05	5.04E-05	1.27E-01
4357	487363.09	3857377.25	1.17E-01	2.06E-05	5.71E-05	5.07E-05	1.17E-01	1.22E-01	2.11E-01	5.21E-03	1.73E-03	3.40E-01	1.22E-01	2.42E-05	5.71E-05	5.07E-05	1.22E-01
4358	487863.09	3857377.25	1.20E-01	1.97E-05	1.03E-04	5.53E-05	1.20E-01	1.25E-01	2.02E-01	9.42E-03	1.89E-03	3.38E-01	1.25E-01	2.31E-05	1.03E-04	5.53E-05	1.25E-01
4359	488363.09	3857377.25	1.02E-01	1.81E-05	1.15E-04	5.64E-05	1.02E-01	1.06E-01	1.85E-01	1.04E-02	1.93E-03	3.04E-01	1.06E-01	2.12E-05	1.15E-04	5.64E-05	1.06E-01
4360	488863.09	3857377.25	8.48E-02	1.66E-05	3.78E-04	5.76E-05	8.53E-02	8.85E-02	1.69E-01	3.45E-02	1.97E-03	2.94E-01	8.84E-02	1.94E-05	3.78E-04	5.76E-05	8.88E-02
4361	489363.09	3857377.25	7.17E-02	1.52E-05	5.23E-04	5.75E-05	7.23E-02	7.48E-02	1.55E-01	4.77E-02	1.97E-03	2.79E-01	7.46E-02	1.77E-05	5.23E-04	5.75E-05	7.52E-02
4362	489863.09	3857377.25	6.19E-02	1.37E-05	4.72E-04	5.72E-05	6.25E-02	6.46E-02	1.40E-01	4.31E-02	1.96E-03	2.49E-01	6.45E-02	1.60E-05	4.72E-04	5.72E-05	6.50E-02
4363	490363.09	3857377.25	5.40E-02	1.23E-05	4.10E-04	5.74E-05	5.45E-02	5.63E-02	1.26E-01	3.74E-02	1.96E-03	2.22E-01	5.62E-02	1.44E-05	4.10E-04	5.74E-05	5.67E-02
4364	490863.09	3857377.25	4.74E-02	1.13E-05	3.66E-04	5.80E-05	4.78E-02	4.95E-02	1.15E-01	3.34E-02	1.98E-03	2.00E-01	4.94E-02	1.32E-05	3.66E-04	5.80E-05	4.98E-02
4365	491363.09	3857377.25	4.19E-02	1.04E-05	3.29E-04	5.76E-05	4.23E-02	4.38E-02	1.07E-01	3.00E-02	1.97E-03	1.82E-01	4.37E-02	1.22E-05	3.29E-04	5.76E-05	4.41E-02
4366	491863.09	3857377.25	3.71E-02	9.10E-06	3.03E-04	5.80E-05	3.75E-02	3.87E-02	9.29E-02	2.76E-02	1.98E-03	1.61E-01	3.87E-02	1.06E-05	3.03E-04	5.80E-05	3.90E-02
4367	492363.09	3857377.25	2.95E-02	6.54E-06	2.83E-04	5.73E-05	2.99E-02	3.08E-02	6.68E-02	2.58E-02	1.96E-03	1.25E-01	3.07E-02	7.65E-06	2.83E-04	5.73E-05	3.11E-02
4368	492863.09	3857377.25	2.03E-02	4.83E-06	2.15E-04	4.99E-05	2.06E-02	2.12E-02	4.93E-02	1.96E-02	1.71E-03	9.18E-02	2.11E-02	5.65E-06	2.15E-04	4.99E-05	2.14E-02
4369	493363.09	3857377.25	1.35E-02	3.64E-06	1.61E-04	4.47E-05	1.37E-02	1.41E-02	3.72E-02	1.47E-02	1.53E-03	6.75E-02	1.41E-02	4.26E-06	1.61E-04	4.47E-05	1.43E-02
4370	493863.09	3857377.25	1.09E-02	3.17E-06	1.38E-04	4.26E-05	1.10E-02	1.13E-02	3.23E-02	1.26E-02	1.46E-03	5.77E-02	1.13E-02	3.70E-06	1.38E-04	4.26E-05	1.15E-02
4371	494363.09	3857377.25	8.54E-03	2.70E-06	1.19E-04	4.04E-05	8.71E-03	8.91E-03	2.76E-02	1.09E-02	1.38E-03	4.88E-02	8.90E-03	3.16E-06	1.19E-04	4.04E-05	9.06E-03
4372	494863.09	3857377.25	7.49E-03	2.48E-06	1.07E-04	3.89E-05	7.64E-03	7.81E-03	2.53E-02	9.78E-03	1.33E-03	4.42E-02	7.80E-03	2.90E-06	1.07E-04	3.89E-05	7.95E-03
4373	495363.09	3857377.25	6.72E-03	2.29E-06	9.78E-05	3.74E-05	6.85E-03	7.01E-03	2.34E-02	8.92E-03	1.28E-03	4.06E-02	6.99E-03	2.68E-06	9.78E-05	3.74E-05	7.13E-03
4374	495863.09	3857377.25	6.43E-03	2.22E-06	9.16E-05	3.64E-05	6.56E-03	6.71E-03	2.27E-02	8.35E-03	1.25E-03	3.90E-02	6.69E-03	2.60E-06	9.16E-05	3.64E-05	6.82E-03
4375	496363.09	3857377.25	6.28E-03	2.18E-06	8.58E-05	3.54E-05	6.40E-03	6.55E-03	2.22E-02	7.83E-03	1.21E-03	3.78E-02	6.53E-03	2.55E-06	8.58E-05	3.54E-05	6.66E-03
4376	496863.09	3857377.25	6.20E-03	2.15E-06	8.16E-05	3.45E-05	6.32E-03	6.47E-03	2.20E-02	7.44E-03	1.18E-03	3.71E-02	6.46E-03	2.52E-06	8.16E-05	3.45E-05	6.58E-03
4377	497363.09	3857377.25	6.51E-03	2.22E-06	7.97E-05	3.41E-05	6.63E-03	6.79E-03	2.26E-02	7.27E-03	1.17E-03	3.79E-02	6.78E-03	2.59E-06	7.97E-05	3.41E-05	6.90E-03
4378	497863.09	3857377.25	7.02E-03	2.34E-06	7.88E-05	3.38E-05	7.14E-03	7.33E-03	2.39E-02	7.18E-03	1.16E-03	3.96E-02	7.31E-03	2.74E-06	7.88E-05	3.38E-05	7.43E-03
4379	498363.09	3857377.25	8.57E-03	2.73E-06	8.24E-05	3.45E-05	8.69E-03	8.94E-03	2.79E-02	7.52E-03	1.18E-03	4.55E-02	8.92E-03	3.19E-06	8.24E-05	3.45E-05	9.04E-03
4380	471363.09	3857877.25	1.62E-03	4.65E-07	6.53E-06	6.54E-06	1.64E-03	1.69E-03	4.75E-03	5.95E-04	2.24E-04	7.26E-03	1.69E-03	5.44E-07	6.53E-06	6.54E-06	1.70E-03
4381	471863.09	3857877.25	1.69E-03	4.75E-07	6.72E-06	6.74E-06	1.71E-03	1.77E-03	4.85E-03	6.13E-04	2.30E-04	7.46E-03	1.76E-03	5.56E-07	6.72E-06	6.74E-06	1.78E-03
4382	472363.09	3857877.25	1.79E-03	5.00E-07	6.95E-06	7.02E-06	1.80E-03	1.87E-03	5.11E-03	6.34E-04	2.40E-04	7.85E-03	1.86E-03	5.85E-07	6.95E-06	7.02E-06	1.88E-03
4383	472863.09	3857877.25	1.93E-03	5.51E-07	7.21E-06	7.36E-06	1.95E-03	2.02E-03	5.63E-03	6.57E-04	2.52E-04	8.55E-03	2.01E-03	6.44E-07	7.21E-06	7.36E-06	2.03E-03
4384	473363.09	3857877.25	2.05E-03	5.82E-07	7.46E-06	7.69E-06	2.07E-03	2.14E-03	5.94E-03	6.81E-04	2.63E-04	9.02E-03	2.14E-03	6.80E-07	7.46E-06	7.69E-06	2.15E-03
4385	473863.09	3857877.25	2.21E-03	6.39E-07	7.72E-06	8.07E-06	2.23E-03	2.31E-03	6.53E-03	7.04E-04	2.76E-04	9.81E-03	2.30E-03	7.47E-07	7.72E-06	8.07E-06	2.32E-03
4386	474363.09	3857877.25	2.15E-03	5.53E-07	8.55E-06	9.00E-06	2.17E-03	2.25E-03	5.65E-03	7.80E-04	3.08E-04	8.99E-03	2.24E-03	6.47E-07	8.55E-06	9.00E-06	2.26E-03
4387	474863.09	3857877.25	1.68E-03	4.06E-07	7.59E-06	7.94E-06	1.69E-03	1.75E-03	4.15E-03	6.92E-04	2.72E-04	6.87E-03	1.75E-03	4.75E-07	7.59E-06	7.94E-06	1.76E-03
4388	475363.09	3857877.25	9.20E-04	2.80E-07	6.27E-06	7.47E-06	9.34E-04	9.60E-04	2.86E-03	5.72E-04	2.55E-04	4.65E-03	9.58E-04	3.28E-07	6.27E-06	7.47E-06	9.72E-04

4389	475863.09	3857877.25	4.15E-04	1.85E-07	5.57E-06	7.30E-06	4.28E-04	4.33E-04	1.89E-03	5.08E-04	2.50E-04	3.08E-03	4.32E-04	2.16E-07	5.57E-06	7.30E-06	4.45E-04
4390	476363.09	3857877.25	1.06E-03	3.18E-07	6.83E-06	8.37E-06	1.08E-03	1.11E-03	3.25E-03	6.22E-04	2.86E-04	5.27E-03	1.11E-03	3.72E-07	6.83E-06	8.37E-06	1.12E-03
4391	476863.09	3857877.25	1.36E-03	3.74E-07	7.59E-06	8.98E-06	1.37E-03	1.41E-03	3.82E-03	6.92E-04	3.07E-04	6.23E-03	1.41E-03	4.37E-07	7.59E-06	8.98E-06	1.43E-03
4392	477363.09	3857877.25	1.35E-03	3.81E-07	7.87E-06	9.56E-06	1.36E-03	1.40E-03	3.89E-03	7.17E-04	3.27E-04	6.34E-03	1.40E-03	4.45E-07	7.87E-06	9.56E-06	1.42E-03
4393	477863.09	3857877.25	1.28E-03	3.86E-07	8.04E-06	1.02E-05	1.30E-03	1.34E-03	3.95E-03	7.33E-04	3.48E-04	6.37E-03	1.34E-03	4.52E-07	8.04E-06	1.02E-05	1.35E-03
4394	478363.09	3857877.25	6.71E-04	2.88E-07	7.53E-06	1.05E-05	6.90E-04	7.00E-04	2.94E-03	6.86E-04	3.59E-04	4.69E-03	6.99E-04	3.37E-07	7.53E-06	1.05E-05	7.17E-04
4395	478863.09	3857877.25	5.44E-04	2.67E-07	7.34E-06	1.07E-05	5.62E-04	5.68E-04	2.73E-03	6.69E-04	3.67E-04	4.33E-03	5.66E-04	3.13E-07	7.34E-06	1.07E-05	5.85E-04
4396	479363.09	3857877.25	3.38E-03	7.30E-07	1.24E-05	1.47E-05	3.41E-03	3.53E-03	7.46E-03	1.13E-03	5.03E-04	1.26E-02	3.52E-03	8.54E-07	1.24E-05	1.47E-05	3.55E-03
4397	479863.09	3857877.25	6.67E-03	1.42E-06	1.41E-05	1.81E-05	6.70E-03	6.96E-03	1.45E-02	1.28E-03	6.18E-04	2.33E-02	6.95E-03	1.66E-06	1.41E-05	1.81E-05	6.98E-03
4398	480363.09	3857877.25	8.03E-03	2.00E-06	1.37E-05	1.77E-05	8.07E-03	8.38E-03	2.04E-02	1.24E-03	6.05E-04	3.06E-02	8.36E-03	2.34E-06	1.37E-05	1.77E-05	8.40E-03
4399	480863.09	3857877.25	9.06E-03	2.33E-06	1.41E-05	1.80E-05	9.09E-03	9.45E-03	2.38E-02	1.28E-03	6.16E-04	3.52E-02	9.43E-03	2.73E-06	1.41E-05	1.80E-05	9.47E-03
4400	481363.09	3857877.25	1.04E-02	2.73E-06	1.49E-05	1.98E-05	1.04E-02	1.08E-02	2.79E-02	1.36E-03	6.76E-04	4.07E-02	1.08E-02	3.19E-06	1.49E-05	1.98E-05	1.08E-02
4401	481863.09	3857877.25	1.20E-02	3.45E-06	1.55E-05	2.08E-05	1.20E-02	1.25E-02	3.52E-02	1.42E-03	7.10E-04	4.99E-02	1.25E-02	4.04E-06	1.55E-05	2.08E-05	1.25E-02
4402	482363.09	3857877.25	1.39E-02	5.54E-06	1.60E-05	2.19E-05	1.40E-02	1.46E-02	5.66E-02	1.46E-03	7.49E-04	7.34E-02	1.45E-02	6.48E-06	1.60E-05	2.19E-05	1.46E-02
4403	482863.09	3857877.25	1.52E-02	8.78E-06	1.72E-05	2.57E-05	1.52E-02	1.58E-02	8.97E-02	1.56E-03	8.80E-04	1.08E-01	1.58E-02	1.03E-05	1.72E-05	2.57E-05	1.59E-02
4404	483363.09	3857877.25	1.77E-02	1.08E-05	1.87E-05	2.81E-05	1.78E-02	1.85E-02	1.10E-01	1.71E-03	9.61E-04	1.31E-01	1.84E-02	1.26E-05	1.87E-05	2.81E-05	1.85E-02
4405	483863.09	3857877.25	2.06E-02	1.32E-05	2.07E-05	2.77E-05	2.07E-02	2.15E-02	1.35E-01	1.89E-03	9.46E-04	1.59E-01	2.15E-02	1.55E-05	2.07E-05	2.77E-05	2.15E-02
4406	484363.09	3857877.25	2.40E-02	1.60E-05	2.33E-05	2.93E-05	2.40E-02	2.50E-02	1.63E-01	2.13E-03	1.00E-03	1.91E-01	2.49E-02	1.87E-05	2.33E-05	2.93E-05	2.50E-02
4407	484863.09	3857877.25	2.74E-02	2.01E-05	2.67E-05	3.14E-05	2.75E-02	2.86E-02	2.05E-01	2.44E-03	1.07E-03	2.37E-01	2.86E-02	2.35E-05	2.67E-05	3.14E-05	2.87E-02
4408	485363.09	3857877.25	3.09E-02	2.60E-05	3.13E-05	3.56E-05	3.10E-02	3.22E-02	2.66E-01	2.85E-03	1.22E-03	3.02E-01	3.22E-02	3.04E-05	3.13E-05	3.56E-05	3.23E-02
4409	485863.09	3857877.25	3.46E-02	3.93E-05	3.81E-05	4.29E-05	3.48E-02	3.62E-02	4.01E-01	3.48E-03	1.47E-03	4.42E-01	3.61E-02	4.59E-05	3.81E-05	4.29E-05	3.62E-02
4410	486363.09	3857877.25	3.81E-02	1.33E-04	4.93E-05	5.73E-05	3.84E-02	3.98E-02	1.36E+00	4.50E-03	1.96E-03	1.41E+00	3.97E-02	1.56E-04	4.93E-05	5.73E-05	4.00E-02
4411	486863.09	3857877.25	3.68E-02	4.96E-05	7.17E-05	6.76E-05	3.70E-02	3.84E-02	5.06E-01	6.54E-03	2.31E-03	5.53E-01	3.83E-02	5.80E-05	7.17E-05	6.76E-05	3.85E-02
4412	487363.09	3857877.25	3.70E-02	3.41E-05	1.37E-04	1.05E-04	3.73E-02	3.86E-02	3.48E-01	1.25E-02	3.60E-03	4.03E-01	3.85E-02	3.98E-05	1.37E-04	1.05E-04	3.88E-02
4413	487863.09	3857877.25	3.81E-02	2.74E-05	3.72E-04	9.16E-05	3.86E-02	3.97E-02	2.80E-01	3.40E-02	3.13E-03	3.57E-01	3.97E-02	3.20E-05	3.72E-04	9.16E-05	4.02E-02
4414	488363.09	3857877.25	4.35E-02	2.44E-05	5.06E-03	8.62E-05	4.87E-02	4.54E-02	2.49E-01	4.62E-01	2.95E-03	7.59E-01	4.53E-02	2.85E-05	5.06E-03	8.62E-05	5.05E-02
4415	488863.09	3857877.25	4.58E-02	2.20E-05	2.26E-03	8.21E-05	4.82E-02	4.78E-02	2.25E-01	2.06E-01	2.81E-03	4.81E-01	4.77E-02	2.57E-05	2.26E-03	8.21E-05	5.01E-02
4416	489363.09	3857877.25	4.49E-02	1.95E-05	1.08E-03	7.57E-05	4.61E-02	4.69E-02	1.99E-01	9.86E-02	2.59E-03	3.47E-01	4.68E-02	2.28E-05	1.08E-03	7.57E-05	4.80E-02
4417	489863.09	3857877.25	4.22E-02	1.74E-05	6.77E-04	7.13E-05	4.30E-02	4.40E-02	1.77E-01	6.18E-02	2.44E-03	2.86E-01	4.40E-02	2.03E-05	6.77E-04	7.13E-05	4.47E-02
4418	490363.09	3857877.25	3.89E-02	1.59E-05	4.91E-04	6.99E-05	3.94E-02	4.06E-02	1.62E-01	4.48E-02	2.39E-03	2.50E-01	4.05E-02	1.86E-05	4.91E-04	6.99E-05	4.11E-02
4419	490863.09	3857877.25	3.58E-02	1.45E-05	3.86E-04	6.84E-05	3.63E-02	3.73E-02	1.49E-01	3.52E-02	2.34E-03	2.23E-01	3.73E-02	1.70E-05	3.86E-04	6.84E-05	3.77E-02
4420	491363.09	3857877.25	3.28E-02	1.24E-05	3.21E-04	6.80E-05	3.33E-02	3.43E-02	1.26E-01	2.93E-02	2.33E-03	1.92E-01	3.42E-02	1.45E-05	3.21E-04	6.80E-05	3.46E-02
4421	491863.09	3857877.25	2.94E-02	9.95E-06	2.80E-04	6.83E-05	2.98E-02	3.07E-02	1.02E-01	2.55E-02	2.34E-03	1.60E-01	3.06E-02	1.16E-05	2.80E-04	6.83E-05	3.10E-02
4422	492363.09	3857877.25	2.20E-02	6.89E-06	2.32E-04	6.18E-05	2.23E-02	2.30E-02	7.04E-02	2.12E-02	2.11E-03	1.17E-01	2.30E-02	8.06E-06	2.32E-04	6.18E-05	2.33E-02
4423	492863.09	3857877.25	1.47E-02	5.04E-06	1.69E-04	5.27E-05	1.49E-02	1.54E-02	5.15E-02	1.54E-02	1.80E-03	8.40E-02	1.53E-02	5.89E-06	1.69E-04	5.27E-05	1.55E-02
4424	493363.09	3857877.25	1.20E-02	4.30E-06	1.40E-04	4.90E-05	1.22E-02	1.25E-02	4.39E-02	1.28E-02	1.68E-03	7.08E-02	1.25E-02	5.03E-06	1.40E-04	4.90E-05	1.26E-02
4425	493863.09	3857877.25	1.05E-02	3.88E-06	1.23E-04	4.64E-05	1.07E-02	1.10E-02	3.97E-02	1.12E-02	1.59E-03	6.35E-02	1.10E-02	4.55E-06	1.23E-04	4.64E-05	1.11E-02
4426	494363.09	3857877.25	9.54E-03	3.57E-06	1.10E-04	4.41E-05	9.70E-03	9.96E-03	3.65E-02	1.00E-02	1.51E-03	5.80E-02	9.94E-03	4.18E-06	1.10E-04	4.41E-05	1.01E-02
4427	494863.09	3857877.25	8.02E-03	3.11E-06	9.72E-05	4.17E-05	8.16E-03	8.37E-03	3.18E-02	8.86E-03	1.43E-03	5.05E-02	8.35E-03	3.64E-06	9.72E-05	4.17E-05	8.50E-03
4428	495363.09	3857877.25	7.48E-03	2.91E-06	8.95E-05	3.98E-05	7.61E-03	7.80E-03	2.98E-02	8.17E-03	1.36E-03	4.71E-02	7.79E-03	3.41E-06	8.95E-05	3.98E-05	7.92E-03
4429	495863.09	3857877.25	7.02E-03	2.74E-06	8.29E-05	3.82E-05	7.14E-03	7.32E-03	2.80E-02	7.56E-03	1.31E-03	4.42E-02	7.31E-03	3.20E-06	8.29E-05	3.82E-05	7.43E-03
4430	496363.09	3857877.25	7.05E-03	2.70E-06	7.91E-05	3.70E-05	7.17E-03	7.35E-03	2.75E-02	7.21E-03	1.27E-03	4.34E-02	7.34E-03	3.15E-06	7.91E-05	3.70E-05	7.46E-03
4431	496863.09	3857877.25	7.01E-03	2.65E-06	7.57E-05	3.60E-05	7.12E-03	7.31E-03	2.71E-02	6.91E-03	1.23E-03	4.25E-02	7.30E-03	3.10E-06	7.57E-05	3.60E-05	7.41E-03
4432	497363.09	3857877.25	6.87E-03	2.58E-06	7.22E-05	3.48E-05	6.98E-03	7.17E-03	2.64E-02	6.58E-03	1.19E-03	4.13E-02	7.15E-03	3.02E-06	7.22E-05	3.48E-05	7.26E-03
4433	497863.09	3857877.25	7.84E-03	2.82E-06	7.34E-05	3.48E-05	7.95E-03	8.18E-03	2.88E-02	6.69E-03	1.19E-03	4.49E-02	8.16E-03	3.30E-06	7.34E-05	3.48E-05	8.28E-03
4434	498363.09	3857877.25	8.82E-03	3.09E-06	7.49E-05	3.51E-05	8.93E-03	9.20E-03	3.15E-02	6.83E-03	1.20E-03	4.88E-02	9.18E-03	3.61E-06	7.49E-05	3.51E-05	9.30E-03
4435	471363.09	3858377.25	1.65E-03	5.01E-07	6.21E-06	6.44E-06	1.66E-03	1.72E-03	5.12E-03	5.66E-04	2.20E-04	7.62E-03	1.71E-03	5.86E-07	6.21E-06	6.44E-06	1.73E-03
4436	471863.09	3858377.25	1.72E-03	5.12E-07	6.40E-06	6.70E-06	1.73E-03	1.79E-03	5.23E-03	5.84E-04	2.29E-04	7.84E-03	1.79E-03	5.99E-07	6.40E-06	6.70E-06	1.80E-03
4437	472363.09	3858377.25	1.79E-03	5.25E-07	6.61E-06	6.97E-06	1.81E-03	1.87E-03	5.37E-03	6.03E-04	2.39E-04	8.08E-03	1.87E-03	6.14E-07	6.61E-06	6.97E-06	1.88E-03
4438	472863.09	3858377.25	1.92E-03	5.64E-07	6.87E-06	7.36E-06	1.93E-03	2.00E-03	5.76E-03	6.26E-04	2.52E-04	8.64E-03	2.00E-03	6.60E-07	6.87E-06	7.36E-06	2.01E-03
4439	473363.09	3858377.25	2.11E-03	6.62E-07	7.14E-06	7.73E-06	2.12E-03	2.20E-03	6.76E-03	6.52E-04	2.64E-04	9.88E-03	2.20E-03	7.74E-07	7.14E-06	7.73E-06	2.21E-03
4440	473863.09	3858377.25	2.19E-03	6.40E-07	7.42E-06	8.16E-06	2.20E-03	2.28E-03	6.53E-03	6.77E-04	2.79E-04	9.77E-03	2.28E-03	7.48E-07	7.42E-06	8.16E-06	2.29E-03
4441	474363.09	3858377.25	2.07E-03	5.24E-07	7.51E-06	8.18E-06	2.08E-03	2.16E-03	5.35E-03	6.84E-04	2.80E-04	8.47E-03	2.15E-03	6.13E-07	7.51E-06	8.18E-06	2.17E-03
4442	474863.09	3858377.25	1.73E-03	4.10E-07	7.55E-06	8.09E-06	1.75E-03	1.81E-03	4.19E-03	6.88E-04	2.77E-04	6.96E-03	1.80E-03	4.80E-07	7.55E-06	8.09E-06	1.82E-03
4443	475363.09	3858377.25	1.15E-03	3.07E-07	6.97E-06	7.53E-06	1.17E-03	1.20E-03	3.14E-03	6.36E-04	2.58E-04	5.24E-03	1.20E-03	3.60E-07	6.97E-06	7.53E-06	1.22E-03
4444	475863.09	3858377.25	8.02E-04	2.60E-07	6.74E-06	7.73E-06	8.17E-04	8.37E-04	2.65E-03	6.15E-04	2.64E-04	4.37E-03	8.36E-04	3.04E-07	6.74E-06	7.73E-06	8.50E-04
4445	476363.09	3858377.25	8.84E-04	2.81E-07	7.04E-06	8.20E-06	8.99E-04	9.22E-04	2.87E-03	6.42E-04	2.81E-04	4.72E-03	9.20E-04	3.29E-07	7.04E-06	8.20E-06	9.36E-04
4446	476863.09	3858377.25	9.72E-04	3.07E-07	7.42E-06	8.74E-06	9.89E-04	1.01E-03	3.13E-03	6.77E-04	2.99E-04	5.12E-03	1.01E-03	3.59E-07	7.42E-06	8.74E-06	1.03E-03
4447	477363.09	3858377.25	9.22E-04	3.07E-07	7.65E-06	9.24E-06	9.39E-04	9.62E-04	3.14E-03	6.98E-04	3.16E-04	5.12E-03	9.60E-04	3.60E-07	7.65E-06	9.24E-06	9.77E-04
4448	477863.09	3858377.25	1.30E-03	3.79E-07	8.46E-06	9.99E-06	1.32E-03	1.35E-03	3.87E-03	7.72E-04	3.42E-04	6.34E-03	1.35E-03	4.44E-07	8.46E-06	9.99E-06	1.37E-03
4449	478363.09	3858377.25	1.44E-03	4.11E-07	8.93E-06	1.06E-05	1.46E-03	1.50E-03	4.20E-03	8.14E-04	3.62E-04	6.88E-03	1.50E-03	4.81E-07	8.93E-06	1.06E-05	1.52E-03

4450	478863.09	3858377.25	9.32E-04	3.38E-07	8.57E-06	1.08E-05	9.51E-04	9.72E-04	3.46E-03	7.81E-04	3.69E-04	5.58E-03	9.70E-04	3.96E-07	8.57E-06	1.08E-05	9.90E-04
4451	479363.09	3858377.25	3.63E-03	7.48E-07	1.30E-05	1.41E-05	3.66E-03	3.79E-03	7.64E-03	1.19E-03	4.83E-04	1.31E-02	3.78E-03	8.75E-07	1.30E-05	1.41E-05	3.81E-03
4452	479863.09	3858377.25	6.48E-03	1.57E-06	1.43E-05	1.59E-05	6.52E-03	6.76E-03	1.60E-02	1.30E-03	5.45E-04	2.46E-02	6.75E-03	1.83E-06	1.43E-05	1.59E-05	6.78E-03
4453	480363.09	3858377.25	7.52E-03	2.19E-06	1.44E-05	1.59E-05	7.55E-03	7.84E-03	2.23E-02	1.31E-03	5.44E-04	3.20E-02	7.83E-03	2.56E-06	1.44E-05	1.59E-05	7.86E-03
4454	480863.09	3858377.25	8.39E-03	2.44E-06	1.51E-05	1.66E-05	8.42E-03	8.75E-03	2.50E-02	1.38E-03	5.68E-04	3.57E-02	8.74E-03	2.86E-06	1.51E-05	1.66E-05	8.77E-03
4455	481363.09	3858377.25	9.42E-03	2.88E-06	1.60E-05	1.75E-05	9.45E-03	9.82E-03	2.94E-02	1.46E-03	6.00E-04	4.13E-02	9.80E-03	3.37E-06	1.60E-05	1.75E-05	9.84E-03
4456	481863.09	3858377.25	1.07E-02	3.19E-06	1.73E-05	1.86E-05	1.07E-02	1.11E-02	3.26E-02	1.58E-03	6.35E-04	4.59E-02	1.11E-02	3.74E-06	1.73E-05	1.86E-05	1.11E-02
4457	482363.09	3858377.25	1.23E-02	3.94E-06	1.82E-05	2.03E-05	1.23E-02	1.28E-02	4.02E-02	1.66E-03	6.94E-04	5.54E-02	1.28E-02	4.60E-06	1.82E-05	2.03E-05	1.28E-02
4458	482863.09	3858377.25	1.40E-02	6.02E-06	1.86E-05	2.17E-05	1.40E-02	1.46E-02	6.15E-02	1.69E-03	7.41E-04	7.85E-02	1.45E-02	7.04E-06	1.86E-05	2.17E-05	1.46E-02
4459	483363.09	3858377.25	1.50E-02	8.30E-06	1.96E-05	2.19E-05	1.50E-02	1.56E-02	8.48E-02	1.79E-03	7.49E-04	1.03E-01	1.56E-02	9.71E-06	1.96E-05	2.19E-05	1.56E-02
4460	483863.09	3858377.25	1.63E-02	9.77E-06	2.10E-05	2.31E-05	1.64E-02	1.70E-02	9.98E-02	1.91E-03	7.91E-04	1.20E-01	1.70E-02	1.14E-05	2.10E-05	2.31E-05	1.70E-02
4461	484363.09	3858377.25	1.81E-02	1.14E-05	2.32E-05	2.60E-05	1.82E-02	1.89E-02	1.17E-01	2.12E-03	8.89E-04	1.39E-01	1.89E-02	1.34E-05	2.32E-05	2.60E-05	1.89E-02
4462	484863.09	3858377.25	1.96E-02	1.39E-05	2.60E-05	2.87E-05	1.97E-02	2.05E-02	1.42E-01	2.38E-03	9.80E-04	1.66E-01	2.05E-02	1.63E-05	2.60E-05	2.87E-05	2.05E-02
4463	485363.09	3858377.25	2.11E-02	1.81E-05	2.96E-05	3.44E-05	2.12E-02	2.20E-02	1.85E-01	2.70E-03	1.18E-03	2.11E-01	2.20E-02	2.12E-05	2.96E-05	3.44E-05	2.20E-02
4464	485863.09	3858377.25	2.27E-02	2.82E-05	3.50E-05	4.77E-05	2.28E-02	2.37E-02	2.88E-01	3.19E-03	1.63E-03	3.16E-01	2.36E-02	3.30E-05	3.50E-05	4.77E-05	2.37E-02
4465	486363.09	3858377.25	2.28E-02	1.36E-04	4.35E-05	9.78E-05	2.30E-02	2.38E-02	1.39E+00	3.96E-03	3.35E-03	1.42E+00	2.37E-02	1.59E-04	4.35E-05	9.78E-05	2.40E-02
4466	486863.09	3858377.25	2.24E-02	1.79E-04	5.80E-05	1.62E-04	2.28E-02	2.34E-02	1.83E+00	5.29E-03	5.55E-03	1.87E+00	2.33E-02	2.10E-04	5.80E-05	1.62E-04	2.37E-02
4467	487363.09	3858377.25	2.26E-02	8.30E-05	8.14E-05	1.84E-04	2.30E-02	2.36E-02	8.48E-01	7.42E-03	6.30E-03	8.85E-01	2.35E-02	9.71E-05	8.14E-05	1.84E-04	2.39E-02
4468	487863.09	3858377.25	2.20E-02	5.29E-05	1.13E-04	2.33E-04	2.24E-02	2.30E-02	5.41E-01	1.03E-02	7.96E-03	5.82E-01	2.29E-02	6.19E-05	1.13E-04	2.33E-04	2.33E-02
4469	488363.09	3858377.25	2.32E-02	3.92E-05	1.61E-04	1.67E-04	2.36E-02	2.42E-02	4.00E-01	1.46E-02	5.72E-03	4.45E-01	2.42E-02	4.58E-05	1.61E-04	1.67E-04	2.45E-02
4470	488863.09	3858377.25	2.44E-02	3.16E-05	3.78E-04	1.22E-04	2.49E-02	2.54E-02	3.23E-01	3.45E-02	4.19E-03	3.87E-01	2.54E-02	3.70E-05	3.78E-04	1.22E-04	2.59E-02
4471	489363.09	3858377.25	2.67E-02	2.74E-05	3.34E-04	1.04E-04	2.71E-02	2.78E-02	2.80E-01	3.05E-02	3.56E-03	3.42E-01	2.78E-02	3.21E-05	3.34E-04	1.04E-04	2.82E-02
4472	489863.09	3858377.25	2.70E-02	2.42E-05	2.81E-04	9.58E-05	2.74E-02	2.82E-02	2.48E-01	2.56E-02	3.28E-03	3.05E-01	2.81E-02	2.84E-05	2.81E-04	9.58E-05	2.85E-02
4473	490363.09	3858377.25	2.69E-02	2.15E-05	2.47E-04	8.95E-05	2.73E-02	2.81E-02	2.19E-01	2.25E-02	3.06E-03	2.73E-01	2.80E-02	2.51E-05	2.47E-04	8.95E-05	2.84E-02
4474	490863.09	3858377.25	2.60E-02	1.89E-05	2.22E-04	8.42E-05	2.63E-02	2.71E-02	1.94E-01	2.03E-02	2.88E-03	2.44E-01	2.71E-02	2.22E-05	2.22E-04	8.42E-05	2.74E-02
4475	491363.09	3858377.25	2.47E-02	1.53E-05	2.06E-04	8.09E-05	2.50E-02	2.58E-02	1.56E-01	1.87E-02	2.77E-03	2.04E-01	2.57E-02	1.79E-05	2.06E-04	8.09E-05	2.60E-02
4476	491863.09	3858377.25	2.13E-02	1.05E-05	2.07E-04	7.83E-05	2.16E-02	2.22E-02	1.08E-01	1.88E-02	2.68E-03	1.51E-01	2.22E-02	1.23E-05	2.07E-04	7.83E-05	2.25E-02
4477	492363.09	3858377.25	1.43E-02	6.97E-06	1.55E-04	6.36E-05	1.45E-02	1.49E-02	7.12E-02	1.42E-02	2.17E-03	1.02E-01	1.49E-02	8.16E-06	1.55E-04	6.36E-05	1.51E-02
4478	492863.09	3858377.25	1.54E-02	7.05E-06	1.54E-04	6.22E-05	1.56E-02	1.61E-02	7.20E-02	1.40E-02	2.13E-03	1.04E-01	1.61E-02	8.25E-06	1.54E-04	6.22E-05	1.63E-02
4479	493363.09	3858377.25	1.30E-02	5.96E-06	1.25E-04	5.57E-05	1.32E-02	1.36E-02	6.09E-02	1.14E-02	1.90E-03	8.78E-02	1.35E-02	6.97E-06	1.25E-04	5.57E-05	1.37E-02
4480	493863.09	3858377.25	1.18E-02	5.33E-06	1.10E-04	5.16E-05	1.20E-02	1.23E-02	5.44E-02	1.00E-02	1.76E-03	7.85E-02	1.23E-02	6.23E-06	1.10E-04	5.16E-05	1.25E-02
4481	494363.09	3858377.25	1.04E-02	4.68E-06	9.61E-05	4.77E-05	1.06E-02	1.09E-02	4.78E-02	8.76E-03	1.63E-03	6.91E-02	1.09E-02	5.48E-06	9.61E-05	4.77E-05	1.10E-02
4482	494863.09	3858377.25	9.31E-03	4.16E-06	8.65E-05	4.45E-05	9.45E-03	9.72E-03	4.25E-02	7.89E-03	1.52E-03	6.17E-02	9.70E-03	4.87E-06	8.65E-05	4.45E-05	9.83E-03
4483	495363.09	3858377.25	8.11E-03	3.64E-06	7.77E-05	4.12E-05	8.23E-03	8.46E-03	3.72E-02	7.08E-03	1.41E-03	5.41E-02	8.44E-03	4.26E-06	7.77E-05	4.12E-05	8.57E-03
4484	495863.09	3858377.25	7.89E-03	3.45E-06	7.36E-05	3.94E-05	8.01E-03	8.23E-03	3.53E-02	6.72E-03	1.35E-03	5.16E-02	8.22E-03	4.04E-06	7.36E-05	3.94E-05	8.34E-03
4485	496363.09	3858377.25	7.60E-03	3.26E-06	6.98E-05	3.75E-05	7.71E-03	7.93E-03	3.33E-02	6.36E-03	1.28E-03	4.89E-02	7.91E-03	3.81E-06	6.98E-05	3.75E-05	8.03E-03
4486	496863.09	3858377.25	7.93E-03	3.27E-06	6.83E-05	3.66E-05	8.04E-03	8.28E-03	3.34E-02	6.23E-03	1.25E-03	4.92E-02	8.26E-03	3.83E-06	6.83E-05	3.66E-05	8.37E-03
4487	497363.09	3858377.25	7.93E-03	3.19E-06	6.63E-05	3.54E-05	8.04E-03	8.27E-03	3.26E-02	6.05E-03	1.21E-03	4.81E-02	8.26E-03	3.73E-06	6.63E-05	3.54E-05	8.36E-03
4488	497863.09	3858377.25	8.67E-03	3.38E-06	6.70E-05	3.52E-05	8.78E-03	9.05E-03	3.45E-02	6.11E-03	1.21E-03	5.09E-02	9.03E-03	3.95E-06	6.70E-05	3.52E-05	9.14E-03
4489	498363.09	3858377.25	9.57E-03	3.71E-06	6.98E-05	3.59E-05	9.68E-03	9.99E-03	3.79E-02	6.36E-03	1.23E-03	5.54E-02	9.97E-03	4.34E-06	6.98E-05	3.59E-05	1.01E-02
4490	471363.09	3858877.25	1.61E-03	5.03E-07	7.02E-06	6.61E-06	1.62E-03	1.68E-03	5.14E-03	6.40E-04	2.26E-04	7.68E-03	1.68E-03	5.88E-07	7.02E-06	6.61E-06	1.69E-03
4491	471863.09	3858877.25	1.67E-03	5.09E-07	7.31E-06	6.89E-06	1.69E-03	1.75E-03	5.20E-03	6.67E-04	2.36E-04	7.85E-03	1.74E-03	5.95E-07	7.31E-06	6.89E-06	1.76E-03
4492	472363.09	3858877.25	1.80E-03	5.55E-07	7.63E-06	7.21E-06	1.81E-03	1.88E-03	5.67E-03	6.96E-04	2.47E-04	8.49E-03	1.87E-03	6.50E-07	7.63E-06	7.21E-06	1.89E-03
4493	472863.09	3858877.25	1.92E-03	5.94E-07	7.95E-06	7.51E-06	1.94E-03	2.01E-03	6.07E-03	7.25E-04	2.57E-04	9.06E-03	2.00E-03	6.95E-07	7.95E-06	7.51E-06	2.02E-03
4494	473363.09	3858877.25	2.10E-03	6.75E-07	8.23E-06	7.73E-06	2.12E-03	2.19E-03	6.90E-03	7.50E-04	2.64E-04	1.01E-02	2.19E-03	7.90E-07	8.23E-06	7.73E-06	2.21E-03
4495	473863.09	3858877.25	2.22E-03	6.61E-07	8.70E-06	8.07E-06	2.23E-03	2.31E-03	6.75E-03	7.93E-04	2.76E-04	1.01E-02	2.31E-03	7.73E-07	8.70E-06	8.07E-06	2.33E-03
4496	474363.09	3858877.25	2.18E-03	5.58E-07	9.87E-06	8.78E-06	2.20E-03	2.28E-03	5.70E-03	9.00E-04	3.00E-04	9.17E-03	2.27E-03	6.52E-07	9.87E-06	8.78E-06	2.29E-03
4497	474863.09	3858877.25	1.11E-03	2.88E-07	6.83E-06	7.19E-06	1.12E-03	1.16E-03	2.94E-03	6.22E-04	2.46E-04	4.97E-03	1.16E-03	3.37E-07	6.83E-06	7.19E-06	1.17E-03
4498	475363.09	3858877.25	7.93E-04	2.45E-07	6.29E-06	7.36E-06	8.07E-04	8.27E-04	2.50E-03	5.74E-04	2.52E-04	4.15E-03	8.26E-04	2.86E-07	6.29E-06	7.36E-06	8.40E-04
4499	475863.09	3858877.25	9.20E-04	2.73E-07	6.70E-06	7.79E-06	9.35E-04	9.60E-04	2.79E-03	6.11E-04	2.67E-04	4.62E-03	9.58E-04	3.19E-07	6.70E-06	7.79E-06	9.73E-04
4500	476363.09	3858877.25	5.50E-04	2.12E-07	6.10E-06	7.81E-06	5.64E-04	5.74E-04	2.16E-03	5.57E-04	2.67E-04	3.56E-03	5.73E-04	2.48E-07	6.10E-06	7.81E-06	5.87E-04
4501	476863.09	3858877.25	7.08E-04	2.49E-07	6.78E-06	8.35E-06	7.23E-04	7.39E-04	2.54E-03	6.19E-04	2.86E-04	4.18E-03	7.37E-04	2.91E-07	6.78E-06	8.35E-06	7.53E-04
4502	477363.09	3858877.25	7.50E-04	2.62E-07	6.87E-06	8.76E-06	7.66E-04	7.83E-04	2.68E-03	6.26E-04	3.00E-04	4.38E-03	7.81E-04	3.06E-07	6.87E-06	8.76E-06	7.97E-04
4503	477863.09	3858877.25	9.90E-04	3.10E-07	7.42E-06	9.32E-06	1.01E-03	1.03E-03	3.17E-03	6.77E-04	3.19E-04	5.20E-03	1.03E-03	3.63E-07	7.42E-06	9.32E-06	1.05E-03
4504	478363.09	3858877.25	2.35E-03	5.22E-07	1.17E-05	1.10E-05	2.37E-03	2.45E-03	5.33E-03	1.06E-03	3.76E-04	9.22E-03	2.44E-03	6.11E-07	1.17E-05	1.10E-05	2.47E-03
4505	478863.09	3858877.25	1.93E-03	4.77E-07	1.04E-05	1.10E-05	1.95E-03	2.02E-03	4.88E-03	9.50E-04	3.77E-04	8.22E-03	2.01E-03	5.58E-07	1.04E-05	1.10E-05	2.03E-03
4506	479363.09	3858877.25	1.52E-03	4.25E-07	8.97E-06	1.12E-05	1.54E-03	1.58E-03	4.34E-03	8.18E-04	3.81E-04	7.12E-03	1.58E-03	4.97E-07	8.97E-06	1.12E-05	1.60E-03
4507	479863.09	3858877.25	6.28E-03	1.75E-06	1.48E-05	1.43E-05	6.31E-03	6.55E-03	1.79E-02	1.35E-03	4.87E-04	2.63E-02	6.53E-03	2.05E-06	1.48E-05	1.43E-05	6.57E-03
4508	480363.09	3858877.25	7.00E-03	2.23E-06	1.40E-05	1.45E-05	7.03E-03	7.30E-03	2.28E-02	1.28E-03	4.95E-04	3.18E-02	7.29E-03	2.61E-06	1.40E-05	1.45E-05	7.32E-03
4509	480863.09	3858877.25	7.69E-03	2.65E-06	1.37E-05	1.48E-05	7.73E-03	8.03E-03	2.71E-02	1.25E-03	5.05E-04	3.68E-02	8.01E-03	3.10E-06	1.37E-05	1.48E-05	8.04E-03
4510	481363.09	3858877.25	8.49E-03	2.99E-06	1.42E-05	1.55E-05	8.52E-03	8.85E-03	3.05E-02	1.30E-03	5.31E-04	4.12E-02	8.84E-03	3.50E-06	1.42E-05	1.55E-05	8.87E-03

4511	481863.09	3858877.25	9.43E-03	3.42E-06	1.49E-05	1.63E-05	9.47E-03	9.84E-03	3.49E-02	1.36E-03	5.57E-04	4.67E-02	9.83E-03	4.00E-06	1.49E-05	1.63E-05	9.86E-03
4512	482363.09	3858877.25	1.05E-02	3.72E-06	1.62E-05	1.79E-05	1.05E-02	1.10E-02	3.80E-02	1.47E-03	6.11E-04	5.11E-02	1.09E-02	4.35E-06	1.62E-05	1.79E-05	1.10E-02
4513	482863.09	3858877.25	1.18E-02	4.41E-06	1.75E-05	1.84E-05	1.18E-02	1.23E-02	4.50E-02	1.60E-03	6.29E-04	5.95E-02	1.23E-02	5.15E-06	1.75E-05	1.84E-05	1.23E-02
4514	483363.09	3858877.25	1.21E-02	6.88E-06	1.92E-05	1.96E-05	1.21E-02	1.26E-02	7.03E-02	1.75E-03	6.71E-04	8.53E-02	1.26E-02	8.05E-06	1.92E-05	1.96E-05	1.26E-02
4515	483863.09	3858877.25	1.28E-02	7.99E-06	2.17E-05	2.16E-05	1.29E-02	1.34E-02	8.16E-02	1.98E-03	7.38E-04	9.77E-02	1.33E-02	9.34E-06	2.17E-05	2.16E-05	1.34E-02
4516	484363.09	3858877.25	1.40E-02	9.45E-06	2.51E-05	2.44E-05	1.40E-02	1.46E-02	9.65E-02	2.29E-03	8.35E-04	1.14E-01	1.45E-02	1.11E-05	2.51E-05	2.44E-05	1.46E-02
4517	484863.09	3858877.25	1.50E-02	1.16E-05	2.88E-05	2.76E-05	1.51E-02	1.56E-02	1.19E-01	2.63E-03	9.45E-04	1.38E-01	1.56E-02	1.36E-05	2.88E-05	2.76E-05	1.57E-02
4518	485363.09	3858877.25	1.56E-02	1.55E-05	3.23E-05	3.29E-05	1.57E-02	1.63E-02	1.59E-01	2.94E-03	1.13E-03	1.79E-01	1.63E-02	1.82E-05	3.23E-05	3.29E-05	1.64E-02
4519	485863.09	3858877.25	1.61E-02	2.49E-05	3.59E-05	4.52E-05	1.62E-02	1.68E-02	2.55E-01	3.27E-03	1.55E-03	2.76E-01	1.67E-02	2.91E-05	3.59E-05	4.52E-05	1.68E-02
4520	486363.09	3858877.25	1.57E-02	1.28E-04	3.95E-05	6.71E-05	1.59E-02	1.64E-02	1.30E+00	3.60E-03	2.29E-03	1.33E+00	1.63E-02	1.49E-04	3.95E-05	6.71E-05	1.66E-02
4521	486863.09	3858877.25	1.54E-02	1.85E-04	3.99E-05	1.59E-04	1.58E-02	1.60E-02	1.89E+00	3.64E-03	5.42E-03	1.92E+00	1.60E-02	2.17E-04	3.99E-05	1.59E-04	1.64E-02
4522	487363.09	3858877.25	1.62E-02	1.88E-04	3.61E-05	4.67E-04	1.69E-02	1.69E-02	1.93E+00	3.29E-03	1.60E-02	1.96E+00	1.69E-02	2.21E-04	3.61E-05	4.67E-04	1.76E-02
4523	487863.09	3858877.25	1.64E-02	9.13E-05	3.78E-05	2.81E-04	1.68E-02	1.71E-02	9.33E-01	3.44E-03	9.60E-03	9.63E-01	1.71E-02	1.07E-04	3.78E-05	2.81E-04	1.75E-02
4524	488363.09	3858877.25	1.64E-02	1.56E-04	3.83E-05	2.11E-04	1.68E-02	1.71E-02	1.60E+00	3.50E-03	7.21E-03	1.62E+00	1.70E-02	1.83E-04	3.83E-05	2.11E-04	1.75E-02
4525	488863.09	3858877.25	1.69E-02	7.41E-05	5.44E-05	1.79E-04	1.72E-02	1.76E-02	7.57E-01	4.96E-03	6.11E-03	7.86E-01	1.76E-02	8.67E-05	5.44E-05	1.79E-04	1.79E-02
4526	489363.09	3858877.25	1.64E-02	4.96E-05	8.27E-05	1.57E-04	1.67E-02	1.71E-02	5.07E-01	7.54E-03	5.35E-03	5.37E-01	1.71E-02	5.80E-05	8.27E-05	1.57E-04	1.74E-02
4527	489863.09	3858877.25	1.75E-02	3.75E-05	9.84E-05	1.35E-04	1.77E-02	1.82E-02	3.83E-01	8.97E-03	4.61E-03	4.15E-01	1.82E-02	4.39E-05	9.84E-05	1.35E-04	1.85E-02
4528	490363.09	3858877.25	1.88E-02	2.89E-05	1.03E-04	1.17E-04	1.91E-02	1.96E-02	2.96E-01	9.43E-03	3.99E-03	3.29E-01	1.96E-02	3.39E-05	1.03E-04	1.17E-04	1.98E-02
4529	490863.09	3858877.25	1.95E-02	2.11E-05	1.06E-04	1.04E-04	1.97E-02	2.04E-02	2.16E-01	9.66E-03	3.54E-03	2.49E-01	2.03E-02	2.47E-05	1.06E-04	1.04E-04	2.06E-02
4530	491363.09	3858877.25	1.82E-02	1.43E-05	1.23E-04	9.41E-05	1.85E-02	1.90E-02	1.46E-01	1.12E-02	3.22E-03	1.80E-01	1.90E-02	1.68E-05	1.23E-04	9.41E-05	1.92E-02
4531	491863.09	3858877.25	1.42E-02	9.83E-06	1.24E-04	7.99E-05	1.44E-02	1.48E-02	1.00E-01	1.13E-02	2.73E-03	1.29E-01	1.48E-02	1.15E-05	1.24E-04	7.99E-05	1.50E-02
4532	492363.09	3858877.25	1.54E-02	1.02E-05	1.20E-04	7.69E-05	1.56E-02	1.61E-02	1.04E-01	1.10E-02	2.63E-03	1.34E-01	1.60E-02	1.19E-05	1.20E-04	7.69E-05	1.62E-02
4533	492863.09	3858877.25	1.58E-02	1.07E-05	1.10E-04	7.11E-05	1.60E-02	1.65E-02	1.10E-01	1.00E-02	2.43E-03	1.39E-01	1.65E-02	1.26E-05	1.10E-04	7.11E-05	1.66E-02
4534	493363.09	3858877.25	1.47E-02	9.08E-06	1.09E-04	6.53E-05	1.48E-02	1.53E-02	9.28E-02	9.94E-03	2.23E-03	1.20E-01	1.53E-02	1.06E-05	1.09E-04	6.53E-05	1.54E-02
4535	493863.09	3858877.25	1.24E-02	7.08E-06	1.01E-04	5.69E-05	1.26E-02	1.29E-02	7.23E-02	9.26E-03	1.94E-03	9.64E-02	1.29E-02	8.28E-06	1.01E-04	5.69E-05	1.31E-02
4536	494363.09	3858877.25	1.15E-02	6.26E-06	9.80E-05	5.25E-05	1.17E-02	1.20E-02	6.40E-02	8.94E-03	1.80E-03	8.67E-02	1.20E-02	7.33E-06	9.80E-05	5.25E-05	1.21E-02
4537	494863.09	3858877.25	1.03E-02	5.45E-06	8.43E-05	4.70E-05	1.05E-02	1.08E-02	5.56E-02	7.68E-03	1.61E-03	7.57E-02	1.08E-02	6.37E-06	8.43E-05	4.70E-05	1.09E-02
4538	495363.09	3858877.25	9.30E-03	4.76E-06	7.51E-05	4.28E-05	9.42E-03	9.70E-03	4.86E-02	6.85E-03	1.46E-03	6.66E-02	9.68E-03	5.56E-06	7.51E-05	4.28E-05	9.80E-03
4539	495863.09	3858877.25	8.79E-03	4.35E-06	7.01E-05	3.99E-05	8.90E-03	9.17E-03	4.45E-02	6.40E-03	1.36E-03	6.14E-02	9.15E-03	5.09E-06	7.01E-05	3.99E-05	9.27E-03
4540	496363.09	3858877.25	8.64E-03	4.14E-06	6.77E-05	3.79E-05	8.75E-03	9.02E-03	4.22E-02	6.17E-03	1.30E-03	5.87E-02	9.00E-03	4.84E-06	6.77E-05	3.79E-05	9.11E-03
4541	496863.09	3858877.25	8.51E-03	3.95E-06	6.54E-05	3.62E-05	8.61E-03	8.88E-03	4.03E-02	5.96E-03	1.24E-03	5.64E-02	8.86E-03	4.62E-06	6.54E-05	3.62E-05	8.97E-03
4542	497363.09	3858877.25	8.35E-03	3.76E-06	6.28E-05	3.45E-05	8.45E-03	8.71E-03	3.84E-02	5.73E-03	1.18E-03	5.41E-02	8.69E-03	4.40E-06	6.28E-05	3.45E-05	8.79E-03
4543	497863.09	3858877.25	9.17E-03	4.05E-06	6.68E-05	3.47E-05	9.28E-03	9.57E-03	4.13E-02	6.09E-03	1.19E-03	5.82E-02	9.55E-03	4.73E-06	6.68E-05	3.47E-05	9.66E-03
4544	498363.09	3858877.25	9.70E-03	4.36E-06	6.94E-05	3.49E-05	9.81E-03	1.01E-02	4.46E-02	6.33E-03	1.19E-03	6.22E-02	1.01E-02	5.10E-06	6.94E-05	3.49E-05	1.02E-02
4545	471363.09	3859377.25	1.59E-03	5.00E-07	7.99E-06	6.74E-06	1.60E-03	1.66E-03	5.11E-03	7.29E-04	2.30E-04	7.72E-03	1.66E-03	5.85E-07	7.99E-06	6.74E-06	1.67E-03
4546	471863.09	3859377.25	1.69E-03	5.24E-07	8.23E-06	6.95E-06	1.71E-03	1.77E-03	5.35E-03	7.50E-04	2.38E-04	8.11E-03	1.76E-03	6.13E-07	8.23E-06	6.95E-06	1.78E-03
4547	472363.09	3859377.25	1.84E-03	5.75E-07	8.38E-06	7.15E-06	1.85E-03	1.92E-03	5.88E-03	7.64E-04	2.44E-04	8.80E-03	1.91E-03	6.73E-07	8.38E-06	7.15E-06	1.93E-03
4548	472863.09	3859377.25	1.98E-03	6.17E-07	8.53E-06	7.34E-06	1.99E-03	2.06E-03	6.30E-03	7.78E-04	2.51E-04	9.40E-03	2.06E-03	7.22E-07	8.53E-06	7.34E-06	2.08E-03
4549	473363.09	3859377.25	2.13E-03	6.76E-07	8.59E-06	7.51E-06	2.15E-03	2.23E-03	6.90E-03	7.83E-04	2.57E-04	1.02E-02	2.22E-03	7.91E-07	8.59E-06	7.51E-06	2.24E-03
4550	473863.09	3859377.25	2.27E-03	6.98E-07	8.87E-06	7.81E-06	2.29E-03	2.37E-03	7.13E-03	8.09E-04	2.67E-04	1.06E-02	2.36E-03	8.17E-07	8.87E-06	7.81E-06	2.38E-03
4551	474363.09	3859377.25	2.22E-03	5.68E-07	1.09E-05	8.52E-06	2.24E-03	2.32E-03	5.81E-03	9.99E-04	2.92E-04	9.42E-03	2.31E-03	6.65E-07	1.09E-05	8.52E-06	2.33E-03
4552	474863.09	3859377.25	1.76E-03	4.02E-07	9.14E-06	8.01E-06	1.77E-03	1.83E-03	4.10E-03	8.34E-04	2.74E-04	7.04E-03	1.83E-03	4.70E-07	9.14E-06	8.01E-06	1.85E-03
4553	475363.09	3859377.25	1.13E-03	2.92E-07	6.25E-06	7.51E-06	1.14E-03	1.18E-03	2.98E-03	5.70E-04	2.57E-04	4.99E-03	1.17E-03	3.42E-07	6.25E-06	7.51E-06	1.19E-03
4554	475863.09	3859377.25	6.93E-04	2.27E-07	5.53E-06	7.45E-06	7.06E-04	7.23E-04	2.32E-03	5.04E-04	2.55E-04	3.80E-03	7.21E-04	2.66E-07	5.53E-06	7.45E-06	7.34E-04
4555	476363.09	3859377.25	6.23E-04	2.16E-07	5.66E-06	7.58E-06	6.37E-04	6.50E-04	2.21E-03	5.16E-04	2.59E-04	3.63E-03	6.49E-04	2.53E-07	5.66E-06	7.58E-06	6.62E-04
4556	476863.09	3859377.25	4.98E-04	1.94E-07	5.68E-06	7.71E-06	5.11E-04	5.19E-04	1.98E-03	5.18E-04	2.64E-04	3.28E-03	5.18E-04	2.27E-07	5.68E-06	7.71E-06	5.32E-04
4557	477363.09	3859377.25	5.56E-04	2.10E-07	5.97E-06	8.05E-06	5.70E-04	5.80E-04	2.15E-03	5.45E-04	2.75E-04	3.55E-03	5.79E-04	2.46E-07	5.97E-06	8.05E-06	5.93E-04
4558	477863.09	3859377.25	1.16E-03	3.21E-07	6.85E-06	8.93E-06	1.18E-03	1.21E-03	3.28E-03	6.24E-04	3.06E-04	5.42E-03	1.21E-03	3.76E-07	6.85E-06	8.93E-06	1.23E-03
4559	478363.09	3859377.25	2.03E-03	4.57E-07	9.72E-06	1.02E-05	2.05E-03	2.12E-03	4.67E-03	8.86E-04	3.48E-04	8.02E-03	2.11E-03	5.35E-07	9.72E-06	1.02E-05	2.13E-03
4560	478863.09	3859377.25	3.48E-03	6.92E-07	1.57E-05	1.22E-05	3.51E-03	3.63E-03	7.07E-03	1.43E-03	4.16E-04	1.26E-02	3.62E-03	8.10E-07	1.57E-05	1.22E-05	3.65E-03
4561	479363.09	3859377.25	4.76E-03	1.03E-06	1.72E-05	1.34E-05	4.79E-03	4.97E-03	1.05E-02	1.57E-03	4.59E-04	1.75E-02	4.96E-03	1.20E-06	1.72E-05	1.34E-05	4.99E-03
4562	479863.09	3859377.25	5.64E-03	1.47E-06	1.61E-05	1.38E-05	5.67E-03	5.89E-03	1.50E-02	1.47E-03	4.73E-04	2.29E-02	5.88E-03	1.72E-06	1.61E-05	1.38E-05	5.91E-03
4563	480363.09	3859377.25	6.26E-03	2.04E-06	1.39E-05	1.35E-05	6.29E-03	6.53E-03	2.08E-02	1.26E-03	4.63E-04	2.91E-02	6.52E-03	2.39E-06	1.39E-05	1.35E-05	6.55E-03
4564	480863.09	3859377.25	6.81E-03	2.51E-06	1.40E-05	1.34E-05	6.84E-03	7.11E-03	2.57E-02	1.28E-03	4.57E-04	3.45E-02	7.09E-03	2.94E-06	1.40E-05	1.34E-05	7.12E-03
4565	481363.09	3859377.25	7.45E-03	2.91E-06	1.55E-05	1.36E-05	7.48E-03	7.78E-03	2.98E-02	1.41E-03	4.66E-04	3.94E-02	7.76E-03	3.41E-06	1.55E-05	1.36E-05	7.79E-03
4566	481863.09	3859377.25	8.13E-03	3.32E-06	1.74E-05	1.45E-05	8.17E-03	8.49E-03	3.40E-02	1.58E-03	4.95E-04	4.45E-02	8.47E-03	3.89E-06	1.74E-05	1.45E-05	8.50E-03
4567	482363.09	3859377.25	8.90E-03	3.68E-06	1.96E-05	1.50E-05	8.94E-03	9.28E-03	3.76E-02	1.78E-03	5.12E-04	4.91E-02	9.27E-03	4.30E-06	1.96E-05	1.50E-05	9.31E-03
4568	482863.09	3859377.25	9.62E-03	4.36E-06	2.14E-05	1.61E-05	9.67E-03	1.00E-02	4.45E-02	1.95E-03	5.49E-04	5.71E-02	1.00E-02	5.10E-06	2.14E-05	1.61E-05	1.01E-02
4569	483363.09	3859377.25	1.02E-02	5.63E-06	2.31E-05	1.69E-05	1.03E-02	1.06E-02	5.75E-02	2.11E-03	5.78E-04	7.08E-02	1.06E-02	6.59E-06	2.31E-05	1.69E-05	1.07E-02
4570	483863.09	3859377.25	1.05E-02	6.88E-06	2.39E-05	1.92E-05	1.06E-02	1.10E-02	7.03E-02	2.18E-03	6.56E-04	8.41E-02	1.10E-02	8.05E-06	2.39E-05	1.92E-05	1.10E-02
4571	484363.09	3859377.25	1.13E-02	8.12E-06	2.55E-05	2.12E-05	1.13E-02	1.17E-02	8.29E-02	2.33E-03	7.26E-04	9.77E-02	1.17E-02	9.50E-06	2.55E-05	2.12E-05	1.18E-02

4572	484863.09	3859377.25	1.19E-02	9.88E-06	2.73E-05	2.42E-05	1.20E-02	1.24E-02	1.01E-01	2.49E-03	8.26E-04	1.17E-01	1.24E-02	1.16E-05	2.73E-05	2.42E-05	1.25E-02
4573	485363.09	3859377.25	1.20E-02	1.28E-05	2.93E-05	2.89E-05	1.20E-02	1.25E-02	1.31E-01	2.67E-03	9.90E-04	1.47E-01	1.25E-02	1.50E-05	2.93E-05	2.89E-05	1.25E-02
4574	485863.09	3859377.25	1.18E-02	1.82E-05	3.06E-05	3.55E-05	1.19E-02	1.23E-02	1.86E-01	2.79E-03	1.21E-03	2.02E-01	1.23E-02	2.12E-05	3.06E-05	3.55E-05	1.24E-02
4575	486363.09	3859377.25	1.17E-02	3.00E-05	2.83E-05	5.04E-05	1.18E-02	1.22E-02	3.07E-01	2.58E-03	1.72E-03	3.23E-01	1.22E-02	3.52E-05	2.83E-05	5.04E-05	1.23E-02
4576	486863.09	3859377.25	1.14E-02	1.23E-04	2.39E-05	8.73E-05	1.16E-02	1.19E-02	1.26E+00	2.18E-03	2.98E-03	1.27E+00	1.18E-02	1.44E-04	2.39E-05	8.73E-05	1.21E-02
4577	487363.09	3859377.25	1.18E-02	1.61E-04	2.04E-05	1.46E-04	1.21E-02	1.23E-02	1.64E+00	1.86E-03	4.99E-03	1.66E+00	1.22E-02	1.88E-04	2.04E-05	1.46E-04	1.26E-02
4578	487863.09	3859377.25	1.21E-02	1.72E-04	2.22E-05	1.91E-04	1.25E-02	1.26E-02	1.76E+00	2.02E-03	6.54E-03	1.78E+00	1.26E-02	2.01E-04	2.22E-05	1.91E-04	1.30E-02
4579	488363.09	3859377.25	1.24E-02	2.01E-04	2.19E-05	3.22E-04	1.30E-02	1.30E-02	2.06E+00	2.00E-03	1.10E-02	2.08E+00	1.30E-02	2.35E-04	2.19E-05	3.22E-04	1.35E-02
4580	488863.09	3859377.25	1.27E-02	1.32E-04	2.64E-05	3.84E-04	1.32E-02	1.32E-02	1.34E+00	2.41E-03	1.31E-02	1.37E+00	1.32E-02	1.54E-04	2.64E-05	3.84E-04	1.38E-02
4581	489363.09	3859377.25	1.29E-02	6.48E-05	3.44E-05	2.69E-04	1.32E-02	1.34E-02	6.62E-01	3.14E-03	9.19E-03	6.88E-01	1.34E-02	7.58E-05	3.44E-05	2.69E-04	1.38E-02
4582	489863.09	3859377.25	1.27E-02	4.49E-05	4.33E-05	1.85E-04	1.30E-02	1.32E-02	4.59E-01	3.95E-03	6.32E-03	4.82E-01	1.32E-02	5.25E-05	4.33E-05	1.85E-04	1.35E-02
4583	490363.09	3859377.25	1.28E-02	3.36E-05	4.97E-05	1.38E-04	1.30E-02	1.33E-02	3.44E-01	4.54E-03	4.73E-03	3.66E-01	1.33E-02	3.93E-05	4.97E-05	1.38E-04	1.35E-02
4584	490863.09	3859377.25	1.35E-02	2.40E-05	5.32E-05	1.13E-04	1.37E-02	1.41E-02	2.46E-01	4.85E-03	3.86E-03	2.68E-01	1.41E-02	2.81E-05	5.32E-05	1.13E-04	1.42E-02
4585	491363.09	3859377.25	1.36E-02	1.48E-05	6.16E-05	9.93E-05	1.37E-02	1.42E-02	1.51E-01	5.62E-03	3.39E-03	1.75E-01	1.41E-02	1.73E-05	6.16E-05	9.93E-05	1.43E-02
4586	491863.09	3859377.25	1.44E-02	1.59E-05	6.21E-05	8.39E-05	1.45E-02	1.50E-02	1.62E-01	5.66E-03	2.87E-03	1.86E-01	1.50E-02	1.86E-05	6.21E-05	8.39E-05	1.51E-02
4587	492363.09	3859377.25	1.40E-02	1.40E-05	6.46E-05	7.41E-05	1.42E-02	1.47E-02	1.43E-01	5.89E-03	2.53E-03	1.66E-01	1.46E-02	1.64E-05	6.46E-05	7.41E-05	1.48E-02
4588	492863.09	3859377.25	1.35E-02	1.27E-05	6.59E-05	6.64E-05	1.36E-02	1.41E-02	1.30E-01	6.01E-03	2.27E-03	1.52E-01	1.40E-02	1.49E-05	6.59E-05	6.64E-05	1.42E-02
4589	493363.09	3859377.25	1.27E-02	1.05E-05	7.09E-05	6.09E-05	1.28E-02	1.32E-02	1.08E-01	6.46E-03	2.08E-03	1.29E-01	1.32E-02	1.23E-05	7.09E-05	6.09E-05	1.34E-02
4590	493863.09	3859377.25	1.22E-02	9.53E-06	7.03E-05	5.62E-05	1.23E-02	1.27E-02	9.73E-02	6.41E-03	1.92E-03	1.18E-01	1.27E-02	1.11E-05	7.03E-05	5.62E-05	1.28E-02
4591	494363.09	3859377.25	1.16E-02	8.27E-06	7.05E-05	5.18E-05	1.17E-02	1.21E-02	8.45E-02	6.43E-03	1.77E-03	1.05E-01	1.21E-02	9.67E-06	7.05E-05	5.18E-05	1.22E-02
4592	494863.09	3859377.25	1.05E-02	6.67E-06	6.96E-05	4.67E-05	1.06E-02	1.09E-02	6.81E-02	6.35E-03	1.60E-03	8.70E-02	1.09E-02	7.80E-06	6.96E-05	4.67E-05	1.10E-02
4593	495363.09	3859377.25	1.00E-02	6.10E-06	6.69E-05	4.33E-05	1.01E-02	1.05E-02	6.23E-02	6.10E-03	1.48E-03	8.04E-02	1.04E-02	7.14E-06	6.69E-05	4.33E-05	1.06E-02
4594	495863.09	3859377.25	9.39E-03	5.43E-06	6.39E-05	3.98E-05	9.50E-03	9.80E-03	5.54E-02	5.83E-03	1.36E-03	7.24E-02	9.78E-03	6.35E-06	6.39E-05	3.98E-05	9.89E-03
4595	496363.09	3859377.25	9.28E-03	5.18E-06	6.33E-05	3.78E-05	9.39E-03	9.68E-03	5.29E-02	5.78E-03	1.29E-03	6.97E-02	9.66E-03	6.06E-06	6.33E-05	3.78E-05	9.77E-03
4596	496863.09	3859377.25	8.52E-03	4.51E-06	5.95E-05	3.45E-05	8.62E-03	8.89E-03	4.60E-02	5.43E-03	1.18E-03	6.15E-02	8.87E-03	5.27E-06	5.95E-05	3.45E-05	8.97E-03
4597	497363.09	3859377.25	8.72E-03	4.53E-06	6.11E-05	3.37E-05	8.82E-03	9.10E-03	4.63E-02	5.57E-03	1.15E-03	6.21E-02	9.08E-03	5.30E-06	6.11E-05	3.37E-05	9.18E-03
4598	497863.09	3859377.25	9.06E-03	4.82E-06	6.22E-05	3.34E-05	9.16E-03	9.46E-03	4.93E-02	5.67E-03	1.14E-03	6.55E-02	9.44E-03	5.64E-06	6.22E-05	3.34E-05	9.54E-03
4599	498363.09	3859377.25	9.06E-03	5.00E-06	5.98E-05	3.23E-05	9.16E-03	9.46E-03	5.11E-02	5.46E-03	1.11E-03	6.71E-02	9.44E-03	5.85E-06	5.98E-05	3.23E-05	9.54E-03
4600	471363.09	3859877.25	1.66E-03	5.34E-07	7.00E-06	6.52E-06	1.67E-03	1.73E-03	5.46E-03	6.38E-04	2.23E-04	8.05E-03	1.73E-03	6.25E-07	7.00E-06	6.52E-06	1.74E-03
4601	471863.09	3859877.25	1.77E-03	5.69E-07	7.02E-06	6.70E-06	1.79E-03	1.85E-03	5.82E-03	6.40E-04	2.29E-04	8.53E-03	1.85E-03	6.66E-07	7.02E-06	6.70E-06	1.86E-03
4602	472363.09	3859877.25	1.88E-03	5.95E-07	7.12E-06	6.89E-06	1.90E-03	1.96E-03	6.08E-03	6.50E-04	2.36E-04	8.93E-03	1.96E-03	6.97E-07	7.12E-06	6.89E-06	1.98E-03
4603	472863.09	3859877.25	2.02E-03	6.55E-07	7.04E-06	7.13E-06	2.03E-03	2.11E-03	6.69E-03	6.42E-04	2.44E-04	9.68E-03	2.10E-03	7.66E-07	7.04E-06	7.13E-06	2.12E-03
4604	473363.09	3859877.25	2.15E-03	7.16E-07	7.00E-06	7.38E-06	2.17E-03	2.25E-03	7.31E-03	6.38E-04	2.53E-04	1.05E-02	2.24E-03	8.38E-07	7.00E-06	7.38E-06	2.26E-03
4605	473863.09	3859877.25	2.29E-03	7.62E-07	7.12E-06	7.69E-06	2.31E-03	2.39E-03	7.79E-03	6.50E-04	2.63E-04	1.11E-02	2.39E-03	8.92E-07	7.12E-06	7.69E-06	2.40E-03
4606	474363.09	3859877.25	2.32E-03	6.50E-07	1.01E-05	8.72E-06	2.34E-03	2.42E-03	6.64E-03	9.17E-04	2.98E-04	1.03E-02	2.41E-03	7.60E-07	1.01E-05	8.72E-06	2.43E-03
4607	474863.09	3859877.25	2.18E-03	5.14E-07	1.09E-05	8.63E-06	2.20E-03	2.27E-03	5.26E-03	9.99E-04	2.95E-04	8.82E-03	2.27E-03	6.02E-07	1.09E-05	8.63E-06	2.29E-03
4608	475363.09	3859877.25	1.43E-03	3.28E-07	6.93E-06	7.49E-06	1.45E-03	1.50E-03	3.35E-03	6.32E-04	2.56E-04	5.74E-03	1.49E-03	3.84E-07	6.93E-06	7.49E-06	1.51E-03
4609	475863.09	3859877.25	6.81E-04	2.12E-07	5.44E-06	7.10E-06	6.94E-04	7.11E-04	2.16E-03	4.96E-04	2.43E-04	3.61E-03	7.09E-04	2.48E-07	5.44E-06	7.10E-06	7.22E-04
4610	476363.09	3859877.25	3.90E-04	1.56E-07	5.36E-06	6.89E-06	4.02E-04	4.07E-04	1.59E-03	4.89E-04	2.36E-04	2.72E-03	4.06E-04	1.83E-07	5.36E-06	6.89E-06	4.18E-04
4611	476863.09	3859877.25	4.63E-04	1.77E-07	6.04E-06	7.30E-06	4.76E-04	4.83E-04	1.81E-03	5.51E-04	2.50E-04	3.09E-03	4.82E-04	2.07E-07	6.04E-06	7.30E-06	4.96E-04
4612	477363.09	3859877.25	5.09E-04	1.89E-07	6.57E-06	7.62E-06	5.24E-04	5.31E-04	1.93E-03	5.99E-04	2.61E-04	3.32E-03	5.30E-04	2.21E-07	6.57E-06	7.62E-06	5.45E-04
4613	477863.09	3859877.25	1.02E-03	2.87E-07	7.55E-06	8.50E-06	1.04E-03	1.07E-03	2.93E-03	6.88E-04	2.91E-04	4.98E-03	1.07E-03	3.35E-07	7.55E-06	8.50E-06	1.08E-03
4614	478363.09	3859877.25	2.03E-03	4.42E-07	1.19E-05	9.73E-06	2.05E-03	2.12E-03	4.51E-03	1.09E-03	3.33E-04	8.05E-03	2.11E-03	5.17E-07	1.19E-05	9.73E-06	2.14E-03
4615	478863.09	3859877.25	3.35E-03	6.84E-07	2.00E-05	1.16E-05	3.38E-03	3.49E-03	6.99E-03	1.82E-03	3.95E-04	1.27E-02	3.49E-03	8.01E-07	2.00E-05	1.16E-05	3.52E-03
4616	479363.09	3859877.25	4.51E-03	1.10E-06	2.11E-05	1.30E-05	4.54E-03	4.70E-03	1.12E-02	1.92E-03	4.45E-04	1.83E-02	4.69E-03	1.29E-06	2.11E-05	1.30E-05	4.73E-03
4617	479863.09	3859877.25	5.11E-03	1.56E-06	1.78E-05	1.29E-05	5.15E-03	5.34E-03	1.60E-02	1.62E-03	4.40E-04	2.34E-02	5.33E-03	1.83E-06	1.78E-05	1.29E-05	5.36E-03
4618	480363.09	3859877.25	5.57E-03	2.08E-06	1.63E-05	1.20E-05	5.61E-03	5.82E-03	2.12E-02	1.49E-03	4.09E-04	2.89E-02	5.81E-03	2.43E-06	1.63E-05	1.20E-05	5.84E-03
4619	480863.09	3859877.25	6.04E-03	2.46E-06	1.71E-05	1.19E-05	6.07E-03	6.30E-03	2.52E-02	1.56E-03	4.09E-04	3.34E-02	6.29E-03	2.88E-06	1.71E-05	1.19E-05	6.32E-03
4620	481363.09	3859877.25	6.44E-03	2.82E-06	1.81E-05	1.23E-05	6.48E-03	6.72E-03	2.88E-02	1.65E-03	4.21E-04	3.76E-02	6.71E-03	3.30E-06	1.81E-05	1.23E-05	6.75E-03
4621	481863.09	3859877.25	6.90E-03	3.17E-06	1.90E-05	1.29E-05	6.94E-03	7.20E-03	3.24E-02	1.74E-03	4.42E-04	4.18E-02	7.19E-03	3.71E-06	1.90E-05	1.29E-05	7.23E-03
4622	482363.09	3859877.25	7.52E-03	3.59E-06	1.99E-05	1.35E-05	7.55E-03	7.84E-03	3.66E-02	1.82E-03	4.63E-04	4.68E-02	7.83E-03	4.20E-06	1.99E-05	1.35E-05	7.86E-03
4623	482863.09	3859877.25	8.16E-03	4.09E-06	2.07E-05	1.44E-05	8.20E-03	8.51E-03	4.18E-02	1.89E-03	4.94E-04	5.27E-02	8.50E-03	4.79E-06	2.07E-05	1.44E-05	8.54E-03
4624	483363.09	3859877.25	8.78E-03	4.71E-06	2.14E-05	1.53E-05	8.82E-03	9.16E-03	4.82E-02	1.95E-03	5.24E-04	5.98E-02	9.14E-03	5.52E-06	2.14E-05	1.53E-05	9.18E-03
4625	483863.09	3859877.25	8.92E-03	5.97E-06	2.20E-05	1.69E-05	8.97E-03	9.31E-03	6.09E-02	2.00E-03	5.79E-04	7.28E-02	9.29E-03	6.98E-06	2.20E-05	1.69E-05	9.34E-03
4626	484363.09	3859877.25	9.29E-03	6.94E-06	2.35E-05	1.87E-05	9.34E-03	9.69E-03	7.09E-02	2.14E-03	6.40E-04	8.34E-02	9.67E-03	8.12E-06	2.35E-05	1.87E-05	9.72E-03
4627	484863.09	3859877.25	9.52E-03	8.26E-06	2.50E-05	2.09E-05	9.58E-03	9.94E-03	8.44E-02	2.28E-03	7.16E-04	9.73E-02	9.92E-03	9.67E-06	2.50E-05	2.09E-05	9.97E-03
4628	485363.09	3859877.25	9.40E-03	1.02E-05	2.54E-05	2.30E-05	9.46E-03	9.81E-03	1.04E-01	2.32E-03	7.88E-04	1.17E-01	9.79E-03	1.19E-05	2.54E-05	2.30E-05	9.85E-03
4629	485863.09	3859877.25	9.19E-03	1.31E-05	2.33E-05	2.76E-05	9.25E-03	9.58E-03	1.34E-01	2.12E-03	9.44E-04	1.47E-01	9.57E-03	1.53E-05	2.33E-05	2.76E-05	9.63E-03
4630	486363.09	3859877.25	9.10E-03	1.71E-05	2.00E-05	3.55E-05	9.17E-03	9.49E-03	1.75E-01	1.82E-03	1.21E-03	1.88E-01	9.47E-03	2.00E-05	2.00E-05	3.55E-05	9.55E-03
4631	486863.09	3859877.25	9.01E-03	2.30E-05	1.64E-05	4.92E-05	9.10E-03	9.40E-03	2.35E-01	1.50E-03	1.68E-03	2.47E-01	9.38E-03	2.69E-05	1.64E-05	4.92E-05	9.47E-03
4632	487363.09	3859877.25	9.10E-03	3.40E-05	1.48E-05	7.55E-05	9.22E-03	9.49E-03	3.47E-01	1.35E-03	2.58E-03	3.61E-01	9.48E-03	3.98E-05	1.48E-05	7.55E-05	9.61E-03

4633	487863.09	3859877.25	9.45E-03	1.43E-04	1.81E-05	1.60E-04	9.77E-03	9.86E-03	1.47E+00	1.65E-03	5.47E-03	1.48E+00	9.84E-03	1.68E-04	1.81E-05	1.60E-04	1.02E-02
4634	488363.09	3859877.25	9.62E-03	1.77E-04	1.71E-05	2.99E-04	1.01E-02	1.00E-02	1.81E+00	1.56E-03	1.02E-02	1.83E+00	1.00E-02	2.08E-04	1.71E-05	2.99E-04	1.05E-02
4635	488863.09	3859877.25	9.98E-03	7.56E-05	1.65E-05	5.56E-04	1.06E-02	1.04E-02	7.72E-01	1.50E-03	1.90E-02	8.03E-01	1.04E-02	8.84E-05	1.65E-05	5.56E-04	1.11E-02
4636	489363.09	3859877.25	1.02E-02	5.49E-05	2.38E-05	2.85E-04	1.06E-02	1.07E-02	5.61E-01	2.17E-03	9.74E-03	5.84E-01	1.06E-02	6.43E-05	2.38E-05	2.85E-04	1.10E-02
4637	489863.09	3859877.25	1.06E-02	4.30E-05	2.69E-05	1.73E-04	1.08E-02	1.10E-02	4.39E-01	2.45E-03	5.90E-03	4.58E-01	1.10E-02	5.03E-05	2.69E-05	1.73E-04	1.12E-02
4638	490363.09	3859877.25	1.00E-02	3.48E-05	3.02E-05	1.22E-04	1.02E-02	1.05E-02	3.56E-01	2.76E-03	4.18E-03	3.73E-01	1.04E-02	4.07E-05	3.02E-05	1.22E-04	1.06E-02
4639	490863.09	3859877.25	9.83E-03	2.77E-05	3.34E-05	9.35E-05	9.98E-03	1.03E-02	2.83E-01	3.04E-03	3.20E-03	3.00E-01	1.02E-02	3.24E-05	3.34E-05	9.35E-05	1.04E-02
4640	491363.09	3859877.25	9.97E-03	2.31E-05	3.60E-05	7.73E-05	1.01E-02	1.04E-02	2.36E-01	3.28E-03	2.64E-03	2.53E-01	1.04E-02	2.71E-05	3.60E-05	7.73E-05	1.05E-02
4641	491863.09	3859877.25	1.05E-02	1.94E-05	3.75E-05	6.64E-05	1.06E-02	1.09E-02	1.98E-01	3.42E-03	2.27E-03	2.15E-01	1.09E-02	2.27E-05	3.75E-05	6.64E-05	1.10E-02
4642	492363.09	3859877.25	1.10E-02	1.65E-05	3.98E-05	5.87E-05	1.11E-02	1.15E-02	1.69E-01	3.63E-03	2.01E-03	1.86E-01	1.14E-02	1.94E-05	3.98E-05	5.87E-05	1.16E-02
4643	492863.09	3859877.25	1.12E-02	1.39E-05	4.15E-05	5.31E-05	1.13E-02	1.17E-02	1.42E-01	3.78E-03	1.82E-03	1.59E-01	1.17E-02	1.62E-05	4.15E-05	5.31E-05	1.18E-02
4644	493363.09	3859877.25	1.10E-02	1.21E-05	4.26E-05	4.87E-05	1.11E-02	1.15E-02	1.23E-01	3.89E-03	1.66E-03	1.40E-01	1.15E-02	1.41E-05	4.26E-05	4.87E-05	1.16E-02
4645	493863.09	3859877.25	1.06E-02	1.06E-05	4.37E-05	4.51E-05	1.07E-02	1.11E-02	1.08E-01	3.99E-03	1.54E-03	1.25E-01	1.11E-02	1.24E-05	4.37E-05	4.51E-05	1.12E-02
4646	494363.09	3859877.25	1.02E-02	9.16E-06	4.60E-05	4.23E-05	1.02E-02	1.06E-02	9.36E-02	4.20E-03	1.45E-03	1.10E-01	1.06E-02	1.07E-05	4.60E-05	4.23E-05	1.07E-02
4647	494863.09	3859877.25	9.79E-03	8.32E-06	4.73E-05	3.97E-05	9.88E-03	1.02E-02	8.50E-02	4.31E-03	1.36E-03	1.01E-01	1.02E-02	9.73E-06	4.73E-05	3.97E-05	1.03E-02
4648	495363.09	3859877.25	9.44E-03	7.39E-06	4.92E-05	3.77E-05	9.54E-03	9.85E-03	7.55E-02	4.48E-03	1.29E-03	9.11E-02	9.83E-03	8.64E-06	4.92E-05	3.77E-05	9.93E-03
4649	495863.09	3859877.25	9.09E-03	6.54E-06	5.06E-05	3.59E-05	9.18E-03	9.48E-03	6.68E-02	4.62E-03	1.23E-03	8.21E-02	9.47E-03	7.65E-06	5.06E-05	3.59E-05	9.56E-03
4650	496363.09	3859877.25	8.52E-03	5.52E-06	5.20E-05	3.38E-05	8.62E-03	8.89E-03	5.64E-02	4.75E-03	1.15E-03	7.12E-02	8.88E-03	6.45E-06	5.20E-05	3.38E-05	8.97E-03
4651	496863.09	3859877.25	6.90E-03	4.02E-06	4.44E-05	2.87E-05	6.98E-03	7.20E-03	4.10E-02	4.04E-03	9.82E-04	5.33E-02	7.19E-03	4.70E-06	4.44E-05	2.87E-05	7.27E-03
4652	497363.09	3859877.25	7.82E-03	4.62E-06	4.88E-05	3.03E-05	7.91E-03	8.16E-03	4.72E-02	4.45E-03	1.04E-03	6.08E-02	8.15E-03	5.40E-06	4.88E-05	3.03E-05	8.23E-03
4653	497863.09	3859877.25	8.11E-03	5.17E-06	4.63E-05	2.98E-05	8.19E-03	8.46E-03	5.28E-02	4.22E-03	1.02E-03	6.65E-02	8.45E-03	6.05E-06	4.63E-05	2.98E-05	8.53E-03
4654	498363.09	3859877.25	8.03E-03	5.28E-06	4.52E-05	2.81E-05	8.11E-03	8.38E-03	5.39E-02	4.12E-03	9.62E-04	6.74E-02	8.36E-03	6.17E-06	4.52E-05	2.81E-05	8.44E-03
4655	471363.09	3860377.25	1.71E-03	5.72E-07	5.89E-06	6.31E-06	1.72E-03	1.78E-03	5.84E-03	5.37E-04	2.16E-04	8.37E-03	1.78E-03	6.69E-07	5.89E-06	6.31E-06	1.79E-03
4656	471863.09	3860377.25	1.81E-03	6.06E-07	6.06E-06	6.54E-06	1.82E-03	1.88E-03	6.19E-03	5.53E-04	2.24E-04	8.85E-03	1.88E-03	7.09E-07	6.06E-06	6.54E-06	1.89E-03
4657	472363.09	3860377.25	1.92E-03	6.54E-07	6.19E-06	6.78E-06	1.93E-03	2.00E-03	6.68E-03	5.64E-04	2.32E-04	9.48E-03	2.00E-03	7.65E-07	6.19E-06	6.78E-06	2.01E-03
4658	472863.09	3860377.25	2.04E-03	7.14E-07	6.29E-06	6.97E-06	2.05E-03	2.13E-03	7.29E-03	5.74E-04	2.39E-04	1.02E-02	2.12E-03	8.35E-07	6.29E-06	6.97E-06	2.14E-03
4659	473363.09	3860377.25	2.18E-03	7.65E-07	6.55E-06	7.17E-06	2.19E-03	2.27E-03	7.81E-03	5.97E-04	2.45E-04	1.09E-02	2.27E-03	8.95E-07	6.55E-06	7.17E-06	2.28E-03
4660	473863.09	3860377.25	2.34E-03	7.97E-07	7.06E-06	7.41E-06	2.36E-03	2.45E-03	8.14E-03	6.44E-04	2.53E-04	1.15E-02	2.44E-03	9.33E-07	7.06E-06	7.41E-06	2.46E-03
4661	474363.09	3860377.25	2.51E-03	7.69E-07	8.31E-06	7.79E-06	2.53E-03	2.62E-03	7.86E-03	7.58E-04	2.67E-04	1.15E-02	2.61E-03	9.00E-07	8.31E-06	7.79E-06	2.63E-03
4662	474863.09	3860377.25	2.62E-03	6.91E-07	1.26E-05	8.78E-06	2.64E-03	2.73E-03	7.06E-03	1.15E-03	3.00E-04	1.12E-02	2.73E-03	8.09E-07	1.26E-05	8.78E-06	2.75E-03
4663	475363.09	3860377.25	2.49E-03	5.58E-07	1.46E-05	8.68E-06	2.51E-03	2.59E-03	5.70E-03	1.33E-03	2.97E-04	9.92E-03	2.59E-03	6.52E-07	1.46E-05	8.68E-06	2.61E-03
4664	475863.09	3860377.25	2.15E-03	4.47E-07	1.33E-05	8.20E-06	2.17E-03	2.24E-03	4.57E-03	1.21E-03	2.81E-04	8.30E-03	2.24E-03	5.23E-07	1.33E-05	8.20E-06	2.26E-03
4665	476363.09	3860377.25	1.66E-03	3.58E-07	1.02E-05	7.81E-06	1.68E-03	1.74E-03	3.66E-03	9.33E-04	2.67E-04	6.60E-03	1.73E-03	4.19E-07	1.02E-05	7.81E-06	1.75E-03
4666	476863.09	3860377.25	1.47E-03	3.32E-07	9.70E-06	7.97E-06	1.49E-03	1.54E-03	3.39E-03	8.84E-04	2.72E-04	6.09E-03	1.53E-03	3.89E-07	9.70E-06	7.97E-06	1.55E-03
4667	477363.09	3860377.25	8.31E-04	2.38E-07	8.29E-06	7.66E-06	8.48E-04	8.68E-04	2.43E-03	7.56E-04	2.62E-04	4.32E-03	8.66E-04	2.78E-07	8.29E-06	7.66E-06	8.82E-04
4668	477863.09	3860377.25	1.11E-03	2.83E-07	9.59E-06	8.12E-06	1.13E-03	1.16E-03	2.90E-03	8.75E-04	2.78E-04	5.20E-03	1.15E-03	3.32E-07	9.59E-06	8.12E-06	1.17E-03
4669	478363.09	3860377.25	2.23E-03	4.64E-07	1.51E-05	9.58E-06	2.26E-03	2.33E-03	4.74E-03	1.37E-03	3.28E-04	8.77E-03	2.32E-03	5.43E-07	1.51E-05	9.58E-06	2.35E-03
4670	478863.09	3860377.25	3.23E-03	7.00E-07	1.71E-05	1.06E-05	3.26E-03	3.37E-03	7.15E-03	1.56E-03	3.63E-04	1.24E-02	3.36E-03	8.19E-07	1.71E-05	1.06E-05	3.39E-03
4671	479363.09	3860377.25	4.10E-03	1.08E-06	1.74E-05	1.16E-05	4.13E-03	4.28E-03	1.11E-02	1.59E-03	3.97E-04	1.73E-02	4.27E-03	1.27E-06	1.74E-05	1.16E-05	4.30E-03
4672	479863.09	3860377.25	4.62E-03	1.58E-06	1.64E-05	1.13E-05	4.65E-03	4.82E-03	1.62E-02	1.49E-03	3.87E-04	2.29E-02	4.81E-03	1.85E-06	1.64E-05	1.13E-05	4.84E-03
4673	480363.09	3860377.25	4.94E-03	2.04E-06	1.63E-05	1.10E-05	4.97E-03	5.16E-03	2.09E-02	1.48E-03	3.75E-04	2.79E-02	5.15E-03	2.39E-06	1.63E-05	1.10E-05	5.18E-03
4674	480863.09	3860377.25	5.21E-03	2.39E-06	1.66E-05	1.10E-05	5.24E-03	5.44E-03	2.44E-02	1.52E-03	3.76E-04	3.18E-02	5.43E-03	2.80E-06	1.66E-05	1.10E-05	5.46E-03
4675	481363.09	3860377.25	5.55E-03	2.68E-06	1.72E-05	1.15E-05	5.59E-03	5.79E-03	2.74E-02	1.57E-03	3.94E-04	3.52E-02	5.78E-03	3.14E-06	1.72E-05	1.15E-05	5.82E-03
4676	481863.09	3860377.25	6.06E-03	3.06E-06	1.76E-05	1.19E-05	6.09E-03	6.32E-03	3.12E-02	1.60E-03	4.06E-04	3.96E-02	6.31E-03	3.58E-06	1.76E-05	1.19E-05	6.34E-03
4677	482363.09	3860377.25	6.61E-03	3.39E-06	1.79E-05	1.25E-05	6.64E-03	6.89E-03	3.46E-02	1.64E-03	4.28E-04	4.36E-02	6.88E-03	3.97E-06	1.79E-05	1.25E-05	6.91E-03
4678	482863.09	3860377.25	7.03E-03	3.75E-06	1.88E-05	1.31E-05	7.07E-03	7.34E-03	3.83E-02	1.72E-03	4.48E-04	4.78E-02	7.32E-03	4.39E-06	1.88E-05	1.31E-05	7.36E-03
4679	483363.09	3860377.25	7.46E-03	4.38E-06	2.03E-05	1.40E-05	7.50E-03	7.79E-03	4.47E-02	1.85E-03	4.80E-04	5.48E-02	7.77E-03	5.12E-06	2.03E-05	1.40E-05	7.81E-03
4680	483863.09	3860377.25	7.92E-03	4.92E-06	2.16E-05	1.53E-05	7.96E-03	8.27E-03	5.02E-02	1.97E-03	5.22E-04	6.10E-02	8.25E-03	5.75E-06	2.16E-05	1.53E-05	8.29E-03
4681	484363.09	3860377.25	7.78E-03	5.86E-06	2.16E-05	1.66E-05	7.83E-03	8.12E-03	5.99E-02	1.97E-03	5.69E-04	7.05E-02	8.11E-03	6.86E-06	2.16E-05	1.66E-05	8.15E-03
4682	484863.09	3860377.25	7.83E-03	6.81E-06	2.15E-05	1.75E-05	7.88E-03	8.17E-03	6.96E-02	1.96E-03	5.97E-04	8.03E-02	8.16E-03	7.97E-06	2.15E-05	1.75E-05	8.20E-03
4683	485363.09	3860377.25	7.55E-03	8.09E-06	1.98E-05	1.86E-05	7.60E-03	7.88E-03	8.27E-02	1.81E-03	6.36E-04	9.30E-02	7.87E-03	9.47E-06	1.98E-05	1.86E-05	7.91E-03
4684	485863.09	3860377.25	7.45E-03	9.87E-06	1.76E-05	2.11E-05	7.50E-03	7.78E-03	1.01E-01	1.61E-03	7.21E-04	1.11E-01	7.76E-03	1.15E-05	1.76E-05	2.11E-05	7.81E-03
4685	486363.09	3860377.25	7.30E-03	1.21E-05	1.45E-05	2.50E-05	7.35E-03	7.62E-03	1.24E-01	1.32E-03	8.56E-04	1.33E-01	7.61E-03	1.41E-05	1.45E-05	2.50E-05	7.66E-03
4686	486863.09	3860377.25	7.20E-03	1.54E-05	1.35E-05	3.28E-05	7.26E-03	7.51E-03	1.57E-01	1.23E-03	1.12E-03	1.67E-01	7.50E-03	1.80E-05	1.35E-05	3.28E-05	7.56E-03
4687	487363.09	3860377.25	7.26E-03	2.39E-05	1.29E-05	4.67E-05	7.34E-03	7.57E-03	2.44E-01	1.18E-03	1.60E-03	2.54E-01	7.56E-03	2.79E-05	1.29E-05	4.67E-05	7.65E-03
4688	487863.09	3860377.25	7.48E-03	1.21E-04	1.64E-05	9.09E-05	7.71E-03	7.81E-03	1.24E+00	1.50E-03	3.11E-03	1.25E+00	7.79E-03	1.42E-04	1.64E-05	9.09E-05	8.04E-03
4689	488363.09	3860377.25	7.59E-03	1.73E-04	1.51E-05	2.10E-04	7.99E-03	7.92E-03	1.76E+00	1.38E-03	7.19E-03	1.78E+00	7.90E-03	2.02E-04	1.51E-05	2.10E-04	8.33E-03
4690	488863.09	3860377.25	7.92E-03	1.88E-04	1.23E-05	2.74E-04	8.39E-03	8.26E-03	1.92E+00	1.12E-03	9.38E-03	1.94E+00	8.25E-03	2.20E-04	1.23E-05	2.74E-04	8.75E-03
4691	489363.09	3860377.25	8.09E-03	8.43E-05	1.60E-05	1.40E-04	8.33E-03	8.44E-03	8.62E-01	1.46E-03	4.79E-03	8.76E-01	8.42E-03	9.87E-05	1.60E-05	1.40E-04	8.68E-03
4692	489863.09	3860377.25	8.30E-03	4.37E-05	2.12E-05	9.42E-05	8.46E-03	8.66E-03	4.47E-01	1.94E-03	3.22E-03	4.61E-01	8.65E-03	5.12E-05	2.12E-05	9.42E-05	8.81E-03
4693	490363.09	3860377.25	8.58E-03	3.09E-05	2.20E-05	7.38E-05	8.71E-03	8.95E-03	3.15E-01	2.01E-03	2.52E-03	3.29E-01	8.94E-03	3.61E-05	2.20E-05	7.38E-05	9.07E-03

4694	490863.09	3860377.25	8.23E-03	2.42E-05	2.38E-05	6.06E-05	8.33E-03	8.58E-03	2.47E-01	2.17E-03	2.07E-03	2.60E-01	8.57E-03	2.83E-05	2.38E-05	6.06E-05	8.68E-03
4695	491363.09	3860377.25	7.71E-03	1.98E-05	2.36E-05	5.18E-05	7.80E-03	8.04E-03	2.02E-01	2.15E-03	1.77E-03	2.14E-01	8.03E-03	2.32E-05	2.36E-05	5.18E-05	8.12E-03
4696	491863.09	3860377.25	7.68E-03	1.69E-05	2.52E-05	4.65E-05	7.76E-03	8.01E-03	1.72E-01	2.30E-03	1.59E-03	1.84E-01	7.99E-03	1.97E-05	2.52E-05	4.65E-05	8.08E-03
4697	492363.09	3860377.25	7.99E-03	1.47E-05	2.72E-05	4.32E-05	8.08E-03	8.34E-03	1.50E-01	2.48E-03	1.48E-03	1.63E-01	8.32E-03	1.72E-05	2.72E-05	4.32E-05	8.41E-03
4698	492863.09	3860377.25	8.35E-03	1.30E-05	2.78E-05	4.00E-05	8.43E-03	8.71E-03	1.33E-01	2.54E-03	1.37E-03	1.45E-01	8.69E-03	1.52E-05	2.78E-05	4.00E-05	8.78E-03
4699	493363.09	3860377.25	8.85E-03	1.14E-05	3.04E-05	3.68E-05	8.93E-03	9.23E-03	1.17E-01	2.77E-03	1.26E-03	1.30E-01	9.21E-03	1.33E-05	3.04E-05	3.68E-05	9.29E-03
4700	493863.09	3860377.25	8.89E-03	1.04E-05	3.24E-05	3.49E-05	8.97E-03	9.28E-03	1.06E-01	2.96E-03	1.19E-03	1.19E-01	9.26E-03	1.21E-05	3.24E-05	3.49E-05	9.34E-03
4701	494363.09	3860377.25	8.81E-03	9.27E-06	3.29E-05	3.29E-05	8.88E-03	9.19E-03	9.47E-02	3.00E-03	1.12E-03	1.08E-01	9.17E-03	1.08E-05	3.29E-05	3.29E-05	9.25E-03
4702	494863.09	3860377.25	8.50E-03	8.55E-06	3.38E-05	3.14E-05	8.58E-03	8.87E-03	8.73E-02	3.08E-03	1.07E-03	1.00E-01	8.85E-03	1.00E-05	3.38E-05	3.14E-05	8.93E-03
4703	495363.09	3860377.25	8.27E-03	7.72E-06	3.37E-05	2.99E-05	8.34E-03	8.63E-03	7.89E-02	3.07E-03	1.02E-03	9.16E-02	8.61E-03	9.04E-06	3.37E-05	2.99E-05	8.68E-03
4704	495863.09	3860377.25	8.00E-03	6.64E-06	3.49E-05	2.91E-05	8.07E-03	8.34E-03	6.79E-02	3.19E-03	9.95E-04	8.04E-02	8.33E-03	7.77E-06	3.49E-05	2.91E-05	8.40E-03
4705	496363.09	3860377.25	7.65E-03	5.63E-06	3.92E-05	2.86E-05	7.72E-03	7.98E-03	5.75E-02	3.58E-03	9.79E-04	7.01E-02	7.96E-03	6.59E-06	3.92E-05	2.86E-05	8.04E-03
4706	496863.09	3860377.25	7.30E-03	4.87E-06	4.23E-05	2.74E-05	7.37E-03	7.61E-03	4.98E-02	3.86E-03	9.36E-04	6.22E-02	7.60E-03	5.70E-06	4.23E-05	2.74E-05	7.67E-03
4707	497363.09	3860377.25	6.77E-03	4.13E-06	4.25E-05	2.56E-05	6.85E-03	7.07E-03	4.22E-02	3.88E-03	8.75E-04	5.40E-02	7.05E-03	4.83E-06	4.25E-05	2.56E-05	7.13E-03
4708	497863.09	3860377.25	7.07E-03	4.63E-06	3.98E-05	2.58E-05	7.14E-03	7.38E-03	4.73E-02	3.63E-03	8.82E-04	5.92E-02	7.36E-03	5.41E-06	3.98E-05	2.58E-05	7.43E-03
4709	498363.09	3860377.25	7.04E-03	4.91E-06	3.62E-05	2.43E-05	7.11E-03	7.35E-03	5.02E-02	3.30E-03	8.31E-04	6.16E-02	7.33E-03	5.74E-06	3.62E-05	2.43E-05	7.40E-03
4710	471363.09	3860877.25	1.73E-03	6.06E-07	6.14E-06	6.24E-06	1.74E-03	1.80E-03	6.19E-03	5.60E-04	2.14E-04	8.77E-03	1.80E-03	7.09E-07	6.14E-06	6.24E-06	1.81E-03
4711	471863.09	3860877.25	1.82E-03	6.47E-07	6.46E-06	6.44E-06	1.84E-03	1.90E-03	6.61E-03	5.89E-04	2.20E-04	9.33E-03	1.90E-03	7.57E-07	6.46E-06	6.44E-06	1.91E-03
4712	472363.09	3860877.25	1.94E-03	6.85E-07	6.87E-06	6.61E-06	1.95E-03	2.02E-03	7.00E-03	6.26E-04	2.26E-04	9.87E-03	2.02E-03	8.01E-07	6.87E-06	6.61E-06	2.03E-03
4713	472863.09	3860877.25	2.08E-03	7.34E-07	7.19E-06	6.72E-06	2.10E-03	2.17E-03	7.50E-03	6.55E-04	2.30E-04	1.06E-02	2.17E-03	8.58E-07	7.19E-06	6.72E-06	2.18E-03
4714	473363.09	3860877.25	2.24E-03	7.67E-07	7.76E-06	6.89E-06	2.26E-03	2.34E-03	7.84E-03	7.08E-04	2.36E-04	1.11E-02	2.33E-03	8.97E-07	7.76E-06	6.89E-06	2.35E-03
4715	473863.09	3860877.25	2.40E-03	7.96E-07	8.46E-06	7.10E-06	2.42E-03	2.51E-03	8.14E-03	7.72E-04	2.43E-04	1.17E-02	2.50E-03	9.32E-07	8.46E-06	7.10E-06	2.52E-03
4716	474363.09	3860877.25	2.55E-03	8.15E-07	9.38E-06	7.38E-06	2.57E-03	2.66E-03	8.32E-03	8.55E-04	2.53E-04	1.21E-02	2.66E-03	9.53E-07	9.38E-06	7.38E-06	2.67E-03
4717	474863.09	3860877.25	2.67E-03	8.46E-07	1.08E-05	8.01E-06	2.69E-03	2.79E-03	8.64E-03	9.89E-04	2.74E-04	1.27E-02	2.78E-03	9.89E-07	1.08E-05	8.01E-06	2.80E-03
4718	475363.09	3860877.25	2.73E-03	8.05E-07	1.30E-05	8.59E-06	2.76E-03	2.85E-03	8.22E-03	1.19E-03	2.94E-04	1.26E-02	2.85E-03	9.42E-07	1.30E-05	8.59E-06	2.87E-03
4719	475863.09	3860877.25	2.70E-03	7.09E-07	1.55E-05	9.11E-06	2.72E-03	2.82E-03	7.24E-03	1.42E-03	3.11E-04	1.18E-02	2.81E-03	8.30E-07	1.55E-05	9.11E-06	2.84E-03
4720	476363.09	3860877.25	2.53E-03	5.90E-07	1.64E-05	9.32E-06	2.56E-03	2.64E-03	6.03E-03	1.50E-03	3.19E-04	1.05E-02	2.63E-03	6.90E-07	1.64E-05	9.32E-06	2.66E-03
4721	476863.09	3860877.25	2.48E-03	5.51E-07	1.61E-05	9.56E-06	2.51E-03	2.59E-03	5.63E-03	1.46E-03	3.27E-04	1.00E-02	2.59E-03	6.44E-07	1.61E-05	9.56E-06	2.61E-03
4722	477363.09	3860877.25	2.59E-03	5.65E-07	1.59E-05	9.84E-06	2.62E-03	2.70E-03	5.77E-03	1.45E-03	3.36E-04	1.03E-02	2.70E-03	6.61E-07	1.59E-05	9.84E-06	2.72E-03
4723	477863.09	3860877.25	2.31E-03	4.79E-07	1.46E-05	9.30E-06	2.33E-03	2.41E-03	4.89E-03	1.33E-03	3.18E-04	8.95E-03	2.40E-03	5.60E-07	1.46E-05	9.30E-06	2.43E-03
4724	478363.09	3860877.25	1.36E-03	3.15E-07	1.18E-05	7.88E-06	1.38E-03	1.42E-03	3.22E-03	1.07E-03	2.69E-04	5.98E-03	1.42E-03	3.69E-07	1.18E-05	7.88E-06	1.44E-03
4725	478863.09	3860877.25	2.96E-03	6.44E-07	1.65E-05	1.13E-05	2.99E-03	3.09E-03	6.58E-03	1.51E-03	3.87E-04	1.16E-02	3.09E-03	7.54E-07	1.65E-05	1.13E-05	3.12E-03
4726	479363.09	3860877.25	3.72E-03	1.07E-06	1.74E-05	1.23E-05	3.75E-03	3.88E-03	1.09E-02	1.59E-03	4.20E-04	1.68E-02	3.88E-03	1.25E-06	1.74E-05	1.23E-05	3.91E-03
4727	479863.09	3860877.25	4.07E-03	1.56E-06	1.58E-05	1.04E-05	4.09E-03	4.24E-03	1.60E-02	1.44E-03	3.54E-04	2.20E-02	4.23E-03	1.83E-06	1.58E-05	1.04E-05	4.26E-03
4728	480363.09	3860877.25	4.33E-03	1.99E-06	1.53E-05	9.95E-06	4.36E-03	4.52E-03	2.03E-02	1.40E-03	3.40E-04	2.66E-02	4.51E-03	2.33E-06	1.53E-05	9.95E-06	4.54E-03
4729	480863.09	3860877.25	4.62E-03	2.28E-06	1.52E-05	1.02E-05	4.65E-03	4.82E-03	2.33E-02	1.39E-03	3.48E-04	2.99E-02	4.81E-03	2.67E-06	1.52E-05	1.02E-05	4.84E-03
4730	481363.09	3860877.25	5.01E-03	2.59E-06	1.55E-05	1.06E-05	5.04E-03	5.23E-03	2.65E-02	1.41E-03	3.63E-04	3.35E-02	5.22E-03	3.03E-06	1.55E-05	1.06E-05	5.25E-03
4731	481863.09	3860877.25	5.45E-03	2.84E-06	1.62E-05	1.09E-05	5.48E-03	5.69E-03	2.91E-02	1.48E-03	3.74E-04	3.66E-02	5.67E-03	3.33E-06	1.62E-05	1.09E-05	5.71E-03
4732	482363.09	3860877.25	5.79E-03	3.20E-06	1.74E-05	1.15E-05	5.82E-03	6.04E-03	3.27E-02	1.59E-03	3.92E-04	4.07E-02	6.03E-03	3.74E-06	1.74E-05	1.15E-05	6.06E-03
4733	482863.09	3860877.25	6.10E-03	3.51E-06	1.84E-05	1.20E-05	6.14E-03	6.37E-03	3.59E-02	1.68E-03	4.10E-04	4.44E-02	6.35E-03	4.11E-06	1.84E-05	1.20E-05	6.39E-03
4734	483363.09	3860877.25	6.51E-03	3.86E-06	1.91E-05	1.30E-05	6.54E-03	6.79E-03	3.94E-02	1.74E-03	4.44E-04	4.84E-02	6.78E-03	4.51E-06	1.91E-05	1.30E-05	6.81E-03
4735	483863.09	3860877.25	6.74E-03	4.28E-06	1.97E-05	1.40E-05	6.78E-03	7.03E-03	4.37E-02	1.80E-03	4.79E-04	5.31E-02	7.02E-03	5.01E-06	1.97E-05	1.40E-05	7.06E-03
4736	484363.09	3860877.25	6.74E-03	4.96E-06	1.92E-05	1.49E-05	6.78E-03	7.03E-03	5.06E-02	1.75E-03	5.09E-04	5.99E-02	7.01E-03	5.80E-06	1.92E-05	1.49E-05	7.05E-03
4737	484863.09	3860877.25	6.49E-03	5.71E-06	1.71E-05	1.54E-05	6.53E-03	6.77E-03	5.83E-02	1.56E-03	5.27E-04	6.72E-02	6.76E-03	6.68E-06	1.71E-05	1.54E-05	6.80E-03
4738	485363.09	3860877.25	6.28E-03	6.60E-06	1.56E-05	1.62E-05	6.32E-03	6.56E-03	6.74E-02	1.42E-03	5.53E-04	7.59E-02	6.54E-03	7.72E-06	1.56E-05	1.62E-05	6.58E-03
4739	485863.09	3860877.25	6.26E-03	7.69E-06	1.35E-05	1.73E-05	6.30E-03	6.53E-03	7.85E-02	1.23E-03	5.91E-04	8.69E-02	6.52E-03	8.99E-06	1.35E-05	1.73E-05	6.56E-03
4740	486363.09	3860877.25	6.04E-03	8.92E-06	1.31E-05	1.95E-05	6.08E-03	6.30E-03	9.11E-02	1.19E-03	6.67E-04	9.93E-02	6.29E-03	1.04E-05	1.31E-05	1.95E-05	6.33E-03
4741	486863.09	3860877.25	5.98E-03	1.08E-05	1.08E-05	2.29E-05	6.02E-03	6.24E-03	1.10E-01	9.89E-04	7.85E-04	1.18E-01	6.23E-03	1.26E-05	1.08E-05	2.29E-05	6.27E-03
4742	487363.09	3860877.25	6.02E-03	1.40E-05	1.17E-05	2.76E-05	6.08E-03	6.29E-03	1.43E-01	1.07E-03	9.43E-04	1.51E-01	6.27E-03	1.64E-05	1.17E-05	2.76E-05	6.33E-03
4743	487863.09	3860877.25	6.08E-03	1.78E-05	1.50E-05	3.38E-05	6.14E-03	6.34E-03	1.82E-01	1.37E-03	1.16E-03	1.91E-01	6.33E-03	2.08E-05	1.50E-05	3.38E-05	6.40E-03
4744	488363.09	3860877.25	6.27E-03	2.23E-05	1.40E-05	4.15E-05	6.35E-03	6.54E-03	2.28E-01	1.28E-03	1.42E-03	2.37E-01	6.53E-03	2.61E-05	1.40E-05	4.15E-05	6.61E-03
4745	488863.09	3860877.25	6.38E-03	2.38E-05	1.06E-05	3.87E-05	6.45E-03	6.66E-03	2.43E-01	9.66E-04	1.33E-03	2.52E-01	6.65E-03	2.78E-05	1.06E-05	3.87E-05	6.72E-03
4746	489363.09	3860877.25	6.66E-03	2.36E-05	1.15E-05	4.12E-05	6.74E-03	6.95E-03	2.41E-01	1.05E-03	1.41E-03	2.50E-01	6.94E-03	2.76E-05	1.15E-05	4.12E-05	7.02E-03
4747	489863.09	3860877.25	6.63E-03	2.10E-05	1.59E-05	3.72E-05	6.70E-03	6.91E-03	2.14E-01	1.45E-03	1.27E-03	2.24E-01	6.90E-03	2.45E-05	1.59E-05	3.72E-05	6.98E-03
4748	490363.09	3860877.25	6.75E-03	1.84E-05	1.82E-05	3.45E-05	6.82E-03	7.04E-03	1.88E-01	1.66E-03	1.18E-03	1.98E-01	7.03E-03	2.16E-05	1.82E-05	3.45E-05	7.11E-03
4749	490863.09	3860877.25	7.06E-03	1.61E-05	1.86E-05	3.24E-05	7.13E-03	7.36E-03	1.64E-01	1.70E-03	1.11E-03	1.74E-01	7.35E-03	1.88E-05	1.86E-05	3.24E-05	7.42E-03
4750	491363.09	3860877.25	6.84E-03	1.42E-05	1.98E-05	3.08E-05	6.91E-03	7.14E-03	1.46E-01	1.81E-03	1.05E-03	1.55E-01	7.12E-03	1.67E-05	1.98E-05	3.08E-05	7.19E-03
4751	491863.09	3860877.25	6.43E-03	1.28E-05	1.93E-05	2.96E-05	6.49E-03	6.71E-03	1.31E-01	1.76E-03	1.01E-03	1.40E-01	6.70E-03	1.50E-05	1.93E-05	2.96E-05	6.76E-03
4752	492363.09	3860877.25	6.18E-03	1.13E-05	1.94E-05	2.78E-05	6.24E-03	6.45E-03	1.15E-01	1.77E-03	9.50E-04	1.25E-01	6.44E-03	1.32E-05	1.94E-05	2.78E-05	6.50E-03
4753	492863.09	3860877.25	6.26E-03	1.03E-05	2.09E-05	2.69E-05	6.32E-03	6.53E-03	1.05E-01	1.90E-03	9.19E-04	1.15E-01	6.52E-03	1.21E-05	2.09E-05	2.69E-05	6.58E-03
4754	493363.09	3860877.25	6.56E-03	9.53E-06	2.17E-05	2.67E-05	6.62E-03	6.85E-03	9.73E-02	1.98E-03	9.12E-04	1.07E-01	6.83E-03	1.11E-05	2.17E-05	2.67E-05	6.89E-03

4755	493863.09	3860877.25	6.86E-03	8.74E-06	2.18E-05	2.59E-05	6.92E-03	7.16E-03	8.92E-02	1.99E-03	8.86E-04	9.93E-02	7.14E-03	1.02E-05	2.18E-05	2.59E-05	7.20E-03
4756	494363.09	3860877.25	7.12E-03	8.06E-06	2.28E-05	2.54E-05	7.18E-03	7.43E-03	8.24E-02	2.07E-03	8.67E-04	9.27E-02	7.41E-03	9.43E-06	2.28E-05	2.54E-05	7.47E-03
4757	494863.09	3860877.25	7.23E-03	7.48E-06	2.45E-05	2.51E-05	7.29E-03	7.55E-03	7.64E-02	2.23E-03	8.60E-04	8.70E-02	7.53E-03	8.75E-06	2.45E-05	2.51E-05	7.59E-03
4758	495363.09	3860877.25	7.16E-03	6.95E-06	2.60E-05	2.44E-05	7.22E-03	7.47E-03	7.10E-02	2.37E-03	8.34E-04	8.17E-02	7.46E-03	8.13E-06	2.60E-05	2.44E-05	7.52E-03
4759	495863.09	3860877.25	6.96E-03	6.49E-06	2.66E-05	2.38E-05	7.02E-03	7.26E-03	6.63E-02	2.43E-03	8.14E-04	7.68E-02	7.25E-03	7.59E-06	2.66E-05	2.38E-05	7.31E-03
4760	496363.09	3860877.25	6.84E-03	6.01E-06	2.75E-05	2.28E-05	6.90E-03	7.14E-03	6.14E-02	2.51E-03	7.79E-04	7.19E-02	7.13E-03	7.04E-06	2.75E-05	2.28E-05	7.18E-03
4761	496863.09	3860877.25	6.66E-03	5.26E-06	2.75E-05	2.26E-05	6.72E-03	6.95E-03	5.38E-02	2.51E-03	7.72E-04	6.40E-02	6.94E-03	6.16E-06	2.75E-05	2.26E-05	7.00E-03
4762	497363.09	3860877.25	6.50E-03	4.96E-06	2.83E-05	2.20E-05	6.55E-03	6.78E-03	5.06E-02	2.58E-03	7.52E-04	6.08E-02	6.76E-03	5.80E-06	2.83E-05	2.20E-05	6.82E-03
4763	497863.09	3860877.25	6.33E-03	4.57E-06	2.97E-05	2.17E-05	6.38E-03	6.60E-03	4.67E-02	2.71E-03	7.42E-04	5.67E-02	6.59E-03	5.34E-06	2.97E-05	2.17E-05	6.64E-03
4764	498363.09	3860877.25	6.23E-03	4.57E-06	2.90E-05	2.08E-05	6.29E-03	6.50E-03	4.67E-02	2.64E-03	7.10E-04	5.66E-02	6.49E-03	5.35E-06	2.90E-05	2.08E-05	6.55E-03
4765	471363.09	3861377.25	1.74E-03	6.33E-07	7.19E-06	6.05E-06	1.75E-03	1.82E-03	6.46E-03	6.55E-04	2.07E-04	9.14E-03	1.81E-03	7.40E-07	7.19E-06	6.05E-06	1.83E-03
4766	471863.09	3861377.25	1.85E-03	6.63E-07	7.63E-06	6.18E-06	1.87E-03	1.93E-03	6.78E-03	6.96E-04	2.11E-04	9.62E-03	1.93E-03	7.76E-07	7.63E-06	6.18E-06	1.94E-03
4767	472363.09	3861377.25	1.98E-03	6.95E-07	8.12E-06	6.29E-06	2.00E-03	2.07E-03	7.10E-03	7.41E-04	2.15E-04	1.01E-02	2.06E-03	8.13E-07	8.12E-06	6.29E-06	2.08E-03
4768	472863.09	3861377.25	2.11E-03	7.37E-07	8.55E-06	6.39E-06	2.13E-03	2.20E-03	7.53E-03	7.80E-04	2.19E-04	1.07E-02	2.20E-03	8.62E-07	8.55E-06	6.39E-06	2.22E-03
4769	473363.09	3861377.25	2.23E-03	7.72E-07	9.12E-06	6.59E-06	2.25E-03	2.33E-03	7.89E-03	8.32E-04	2.25E-04	1.13E-02	2.33E-03	9.04E-07	9.12E-06	6.59E-06	2.34E-03
4770	473863.09	3861377.25	2.34E-03	7.98E-07	9.80E-06	6.85E-06	2.36E-03	2.44E-03	8.15E-03	8.94E-04	2.34E-04	1.17E-02	2.43E-03	9.33E-07	9.80E-06	6.85E-06	2.45E-03
4771	474363.09	3861377.25	2.42E-03	8.53E-07	1.02E-05	7.02E-06	2.44E-03	2.53E-03	8.72E-03	9.35E-04	2.40E-04	1.24E-02	2.52E-03	9.98E-07	1.02E-05	7.02E-06	2.54E-03
4772	474863.09	3861377.25	2.49E-03	8.70E-07	1.09E-05	7.34E-06	2.51E-03	2.60E-03	8.89E-03	9.95E-04	2.51E-04	1.27E-02	2.59E-03	1.02E-06	1.09E-05	7.34E-06	2.61E-03
4773	475363.09	3861377.25	2.57E-03	9.29E-07	1.12E-05	7.56E-06	2.59E-03	2.69E-03	9.49E-03	1.02E-03	2.58E-04	1.35E-02	2.68E-03	1.09E-06	1.12E-05	7.56E-06	2.70E-03
4774	475863.09	3861377.25	2.65E-03	9.22E-07	1.20E-05	8.31E-06	2.67E-03	2.77E-03	9.42E-03	1.09E-03	2.84E-04	1.36E-02	2.76E-03	1.08E-06	1.20E-05	8.31E-06	2.78E-03
4775	476363.09	3861377.25	2.73E-03	8.74E-07	1.26E-05	9.04E-06	2.75E-03	2.85E-03	8.93E-03	1.15E-03	3.09E-04	1.32E-02	2.84E-03	1.02E-06	1.26E-05	9.04E-06	2.87E-03
4776	476863.09	3861377.25	2.81E-03	8.43E-07	1.31E-05	9.64E-06	2.84E-03	2.93E-03	8.62E-03	1.20E-03	3.30E-04	1.31E-02	2.93E-03	9.87E-07	1.31E-05	9.64E-06	2.95E-03
4777	477363.09	3861377.25	2.90E-03	8.30E-07	1.39E-05	1.02E-05	2.92E-03	3.02E-03	8.48E-03	1.26E-03	3.48E-04	1.31E-02	3.02E-03	9.71E-07	1.39E-05	1.02E-05	3.04E-03
4778	477863.09	3861377.25	2.66E-03	6.23E-07	1.56E-05	1.02E-05	2.68E-03	2.77E-03	6.36E-03	1.42E-03	3.49E-04	1.09E-02	2.77E-03	7.28E-07	1.56E-05	1.02E-05	2.79E-03
4779	478363.09	3861377.25	1.68E-03	3.61E-07	1.33E-05	7.92E-06	1.70E-03	1.75E-03	3.69E-03	1.22E-03	2.71E-04	6.93E-03	1.75E-03	4.23E-07	1.33E-05	7.92E-06	1.77E-03
4780	478863.09	3861377.25	2.05E-03	4.43E-07	1.61E-05	8.96E-06	2.08E-03	2.14E-03	4.52E-03	1.46E-03	3.06E-04	8.43E-03	2.14E-03	5.18E-07	1.61E-05	8.96E-06	2.16E-03
4781	479363.09	3861377.25	3.24E-03	9.85E-07	1.99E-05	1.16E-05	3.27E-03	3.38E-03	1.01E-02	1.81E-03	3.98E-04	1.56E-02	3.37E-03	1.15E-06	1.99E-05	1.16E-05	3.41E-03
4782	479863.09	3861377.25	3.66E-03	1.51E-06	1.46E-05	9.67E-06	3.69E-03	3.82E-03	1.54E-02	1.33E-03	3.31E-04	2.09E-02	3.81E-03	1.77E-06	1.46E-05	9.67E-06	3.84E-03
4783	480363.09	3861377.25	3.94E-03	1.97E-06	1.37E-05	9.34E-06	3.97E-03	4.11E-03	2.01E-02	1.24E-03	3.20E-04	2.58E-02	4.11E-03	2.30E-06	1.37E-05	9.34E-06	4.13E-03
4784	480863.09	3861377.25	4.23E-03	2.23E-06	1.43E-05	9.73E-06	4.25E-03	4.41E-03	2.28E-02	1.30E-03	3.33E-04	2.88E-02	4.40E-03	2.61E-06	1.43E-05	9.73E-06	4.43E-03
4785	481363.09	3861377.25	4.54E-03	2.48E-06	1.53E-05	1.00E-05	4.57E-03	4.74E-03	2.54E-02	1.40E-03	3.42E-04	3.18E-02	4.73E-03	2.90E-06	1.53E-05	1.00E-05	4.76E-03
4786	481863.09	3861377.25	4.87E-03	2.68E-06	1.62E-05	1.04E-05	4.90E-03	5.08E-03	2.74E-02	1.47E-03	3.56E-04	3.43E-02	5.07E-03	3.14E-06	1.62E-05	1.04E-05	5.10E-03
4787	482363.09	3861377.25	5.11E-03	2.91E-06	1.67E-05	1.08E-05	5.14E-03	5.33E-03	2.97E-02	1.52E-03	3.70E-04	3.69E-02	5.32E-03	3.40E-06	1.67E-05	1.08E-05	5.35E-03
4788	482863.09	3861377.25	5.37E-03	3.16E-06	1.71E-05	1.13E-05	5.40E-03	5.61E-03	3.23E-02	1.56E-03	3.87E-04	3.98E-02	5.59E-03	3.69E-06	1.71E-05	1.13E-05	5.63E-03
4789	483363.09	3861377.25	5.64E-03	3.43E-06	1.76E-05	1.21E-05	5.67E-03	5.88E-03	3.50E-02	1.60E-03	4.14E-04	4.29E-02	5.87E-03	4.01E-06	1.76E-05	1.21E-05	5.90E-03
4790	483863.09	3861377.25	5.74E-03	3.77E-06	1.74E-05	1.28E-05	5.78E-03	5.99E-03	3.85E-02	1.58E-03	4.37E-04	4.65E-02	5.98E-03	4.41E-06	1.74E-05	1.28E-05	6.01E-03
4791	484363.09	3861377.25	5.84E-03	4.17E-06	1.61E-05	1.32E-05	5.87E-03	6.09E-03	4.26E-02	1.47E-03	4.50E-04	5.06E-02	6.08E-03	4.88E-06	1.61E-05	1.32E-05	6.11E-03
4792	484863.09	3861377.25	5.60E-03	4.81E-06	1.41E-05	1.36E-05	5.63E-03	5.84E-03	4.91E-02	1.29E-03	4.64E-04	5.67E-02	5.83E-03	5.62E-06	1.41E-05	1.36E-05	5.86E-03
4793	485363.09	3861377.25	5.33E-03	5.37E-06	1.22E-05	1.37E-05	5.36E-03	5.56E-03	5.48E-02	1.11E-03	4.68E-04	6.20E-02	5.55E-03	6.28E-06	1.22E-05	1.37E-05	5.58E-03
4794	485863.09	3861377.25	5.21E-03	6.02E-06	1.17E-05	1.46E-05	5.24E-03	5.44E-03	6.15E-02	1.07E-03	5.01E-04	6.85E-02	5.43E-03	7.04E-06	1.17E-05	1.46E-05	5.46E-03
4795	486363.09	3861377.25	5.08E-03	6.68E-06	1.16E-05	1.54E-05	5.12E-03	5.31E-03	6.83E-02	1.06E-03	5.26E-04	7.52E-02	5.30E-03	7.82E-06	1.16E-05	1.54E-05	5.33E-03
4796	486863.09	3861377.25	5.07E-03	7.55E-06	9.55E-06	1.65E-05	5.11E-03	5.29E-03	7.72E-02	8.71E-04	5.65E-04	8.39E-02	5.28E-03	8.84E-06	9.55E-06	1.65E-05	5.32E-03
4797	487363.09	3861377.25	5.12E-03	8.58E-06	1.10E-05	1.69E-05	5.15E-03	5.34E-03	8.76E-02	1.00E-03	5.78E-04	9.46E-02	5.33E-03	1.00E-05	1.10E-05	1.69E-05	5.37E-03
4798	487863.09	3861377.25	5.17E-03	9.23E-06	1.40E-05	1.80E-05	5.21E-03	5.40E-03	9.43E-02	1.27E-03	6.14E-04	1.02E-01	5.39E-03	1.08E-05	1.40E-05	1.80E-05	5.43E-03
4799	488363.09	3861377.25	5.09E-03	9.42E-06	1.27E-05	1.94E-05	5.13E-03	5.31E-03	9.63E-02	1.16E-03	6.63E-04	1.03E-01	5.30E-03	1.10E-05	1.27E-05	1.94E-05	5.34E-03
4800	488863.09	3861377.25	5.25E-03	9.83E-06	9.59E-06	1.94E-05	5.28E-03	5.47E-03	1.00E-01	8.75E-04	6.63E-04	1.07E-01	5.46E-03	1.15E-05	9.59E-06	1.94E-05	5.50E-03
4801	489363.09	3861377.25	5.40E-03	1.01E-05	8.99E-06	1.92E-05	5.43E-03	5.63E-03	1.03E-01	8.20E-04	6.55E-04	1.10E-01	5.62E-03	1.18E-05	8.99E-06	1.92E-05	5.66E-03
4802	489863.09	3861377.25	5.51E-03	1.02E-05	1.14E-05	1.94E-05	5.55E-03	5.75E-03	1.04E-01	1.04E-03	6.63E-04	1.12E-01	5.74E-03	1.19E-05	1.14E-05	1.94E-05	5.78E-03
4803	490363.09	3861377.25	5.56E-03	9.95E-06	1.52E-05	1.90E-05	5.60E-03	5.80E-03	1.02E-01	1.39E-03	6.51E-04	1.09E-01	5.79E-03	1.16E-05	1.52E-05	1.90E-05	5.84E-03
4804	490863.09	3861377.25	5.63E-03	9.70E-06	1.60E-05	1.89E-05	5.68E-03	5.88E-03	9.91E-02	1.46E-03	6.48E-04	1.07E-01	5.87E-03	1.13E-05	1.60E-05	1.89E-05	5.91E-03
4805	491363.09	3861377.25	5.91E-03	9.27E-06	1.61E-05	1.88E-05	5.95E-03	6.16E-03	9.47E-02	1.47E-03	6.42E-04	1.03E-01	6.15E-03	1.08E-05	1.61E-05	1.88E-05	6.20E-03
4806	491863.09	3861377.25	5.79E-03	8.82E-06	1.71E-05	1.88E-05	5.84E-03	6.05E-03	9.01E-02	1.56E-03	6.43E-04	9.84E-02	6.03E-03	1.03E-05	1.71E-05	1.88E-05	6.08E-03
4807	492363.09	3861377.25	5.43E-03	8.41E-06	1.65E-05	1.89E-05	5.48E-03	5.67E-03	8.60E-02	1.50E-03	6.46E-04	9.38E-02	5.66E-03	9.84E-06	1.65E-05	1.89E-05	5.70E-03
4808	492863.09	3861377.25	5.24E-03	7.94E-06	1.61E-05	1.88E-05	5.28E-03	5.46E-03	8.12E-02	1.47E-03	6.42E-04	8.87E-02	5.45E-03	9.29E-06	1.61E-05	1.88E-05	5.50E-03
4809	493363.09	3861377.25	5.23E-03	7.47E-06	1.71E-05	1.86E-05	5.27E-03	5.46E-03	7.63E-02	1.56E-03	6.37E-04	8.39E-02	5.45E-03	8.74E-06	1.71E-05	1.86E-05	5.49E-03
4810	493863.09	3861377.25	5.28E-03	6.99E-06	1.79E-05	1.84E-05	5.33E-03	5.51E-03	7.15E-02	1.64E-03	6.29E-04	7.92E-02	5.50E-03	8.18E-06	1.79E-05	1.84E-05	5.55E-03
4811	494363.09	3861377.25	5.45E-03	6.57E-06	1.78E-05	1.82E-05	5.50E-03	5.69E-03	6.72E-02	1.62E-03	6.23E-04	7.51E-02	5.68E-03	7.69E-06	1.78E-05	1.82E-05	5.72E-03
4812	494863.09	3861377.25	5.71E-03	6.20E-06	1.76E-05	1.81E-05	5.75E-03	5.96E-03	6.34E-02	1.61E-03	6.20E-04	7.15E-02	5.95E-03	7.25E-06	1.76E-05	1.81E-05	5.99E-03
4813	495363.09	3861377.25	5.89E-03	5.85E-06	1.82E-05	1.80E-05	5.93E-03	6.15E-03	5.98E-02	1.66E-03	6.17E-04	6.82E-02	6.13E-03	6.85E-06	1.82E-05	1.80E-05	6.18E-03
4814	495863.09	3861377.25	5.90E-03	5.52E-06	1.91E-05	1.79E-05	5.95E-03	6.16E-03	5.64E-02	1.74E-03	6.11E-04	6.49E-02	6.15E-03	6.46E-06	1.91E-05	1.79E-05	6.19E-03
4815	496363.09	3861377.25	5.90E-03	5.27E-06	2.03E-05	1.81E-05	5.95E-03	6.16E-03	5.39E-02	1.86E-03	6.20E-04	6.25E-02	6.15E-03	6.17E-06	2.03E-05	1.81E-05	6.19E-03

4816	496863.09	3861377.25	5.90E-03	5.02E-06	2.21E-05	1.85E-05	5.94E-03	6.15E-03	5.13E-02	2.01E-03	6.34E-04	6.01E-02	6.14E-03	5.87E-06	2.21E-05	1.85E-05	6.19E-03
4817	497363.09	3861377.25	5.76E-03	4.75E-06	2.29E-05	1.82E-05	5.80E-03	6.01E-03	4.86E-02	2.09E-03	6.21E-04	5.73E-02	6.00E-03	5.56E-06	2.29E-05	1.82E-05	6.04E-03
4818	497863.09	3861377.25	5.63E-03	4.51E-06	2.35E-05	1.78E-05	5.67E-03	5.87E-03	4.61E-02	2.14E-03	6.10E-04	5.47E-02	5.86E-03	5.28E-06	2.35E-05	1.78E-05	5.90E-03
4819	498363.09	3861377.25	5.52E-03	4.28E-06	2.34E-05	1.75E-05	5.56E-03	5.76E-03	4.37E-02	2.13E-03	5.99E-04	5.22E-02	5.75E-03	5.00E-06	2.34E-05	1.75E-05	5.79E-03
4820	471363.09	3861877.25	1.77E-03	6.34E-07	8.23E-06	5.70E-06	1.78E-03	1.84E-03	6.48E-03	7.50E-04	1.95E-04	9.27E-03	1.84E-03	7.42E-07	8.23E-06	5.70E-06	1.85E-03
4821	471863.09	3861877.25	1.87E-03	6.63E-07	8.65E-06	5.83E-06	1.89E-03	1.95E-03	6.77E-03	7.89E-04	2.00E-04	9.71E-03	1.95E-03	7.75E-07	8.65E-06	5.83E-06	1.97E-03
4822	472363.09	3861877.25	1.97E-03	6.95E-07	9.08E-06	5.96E-06	1.99E-03	2.06E-03	7.10E-03	8.28E-04	2.04E-04	1.02E-02	2.05E-03	8.13E-07	9.08E-06	5.96E-06	2.07E-03
4823	472863.09	3861877.25	2.06E-03	7.35E-07	9.44E-06	6.14E-06	2.07E-03	2.15E-03	7.50E-03	8.61E-04	2.10E-04	1.07E-02	2.14E-03	8.59E-07	9.44E-06	6.14E-06	2.16E-03
4824	473363.09	3861877.25	2.13E-03	7.75E-07	9.78E-06	6.31E-06	2.15E-03	2.22E-03	7.92E-03	8.92E-04	2.16E-04	1.13E-02	2.22E-03	9.07E-07	9.78E-06	6.31E-06	2.23E-03
4825	473863.09	3861877.25	2.19E-03	8.10E-07	1.01E-05	6.54E-06	2.21E-03	2.28E-03	8.28E-03	9.19E-04	2.24E-04	1.17E-02	2.28E-03	9.48E-07	1.01E-05	6.54E-06	2.30E-03
4826	474363.09	3861877.25	2.25E-03	8.52E-07	1.03E-05	6.76E-06	2.27E-03	2.35E-03	8.70E-03	9.39E-04	2.31E-04	1.22E-02	2.34E-03	9.97E-07	1.03E-05	6.76E-06	2.36E-03
4827	474863.09	3861877.25	2.32E-03	8.85E-07	1.05E-05	6.97E-06	2.34E-03	2.42E-03	9.04E-03	9.54E-04	2.39E-04	1.27E-02	2.42E-03	1.04E-06	1.05E-05	6.97E-06	2.44E-03
4828	475363.09	3861877.25	2.41E-03	9.27E-07	1.07E-05	7.19E-06	2.43E-03	2.51E-03	9.47E-03	9.71E-04	2.46E-04	1.32E-02	2.51E-03	1.08E-06	1.07E-05	7.19E-06	2.53E-03
4829	475863.09	3861877.25	2.50E-03	9.81E-07	1.09E-05	7.34E-06	2.52E-03	2.61E-03	1.00E-02	9.93E-04	2.51E-04	1.39E-02	2.61E-03	1.15E-06	1.09E-05	7.34E-06	2.63E-03
4830	476363.09	3861877.25	2.60E-03	1.01E-06	1.12E-05	7.64E-06	2.62E-03	2.71E-03	1.04E-02	1.03E-03	2.61E-04	1.44E-02	2.71E-03	1.19E-06	1.12E-05	7.64E-06	2.73E-03
4831	476863.09	3861877.25	2.68E-03	1.01E-06	1.20E-05	8.09E-06	2.70E-03	2.80E-03	1.03E-02	1.09E-03	2.77E-04	1.45E-02	2.79E-03	1.18E-06	1.20E-05	8.09E-06	2.81E-03
4832	477363.09	3861877.25	2.71E-03	9.72E-07	1.32E-05	8.59E-06	2.74E-03	2.83E-03	9.93E-03	1.20E-03	2.94E-04	1.43E-02	2.83E-03	1.14E-06	1.32E-05	8.59E-06	2.85E-03
4833	477863.09	3861877.25	2.43E-03	6.45E-07	1.86E-05	1.04E-05	2.46E-03	2.54E-03	6.59E-03	1.69E-03	3.55E-04	1.12E-02	2.54E-03	7.55E-07	1.86E-05	1.04E-05	2.56E-03
4834	478363.09	3861877.25	1.31E-03	2.98E-07	1.12E-05	7.19E-06	1.33E-03	1.37E-03	3.05E-03	1.02E-03	2.46E-04	5.68E-03	1.37E-03	3.49E-07	1.12E-05	7.19E-06	1.38E-03
4835	478863.09	3861877.25	2.16E-03	5.04E-07	1.41E-05	8.59E-06	2.19E-03	2.26E-03	5.14E-03	1.29E-03	2.94E-04	8.98E-03	2.25E-03	5.89E-07	1.41E-05	8.59E-06	2.28E-03
4836	479363.09	3861877.25	2.08E-03	4.55E-07	1.32E-05	8.42E-06	2.10E-03	2.17E-03	4.65E-03	1.20E-03	2.88E-04	8.30E-03	2.16E-03	5.32E-07	1.32E-05	8.42E-06	2.19E-03
4837	479863.09	3861877.25	3.40E-03	1.42E-06	1.35E-05	9.77E-06	3.42E-03	3.54E-03	1.45E-02	1.24E-03	3.34E-04	1.96E-02	3.54E-03	1.66E-06	1.35E-05	9.77E-06	3.56E-03
4838	480363.09	3861877.25	3.63E-03	1.89E-06	1.36E-05	9.08E-06	3.65E-03	3.79E-03	1.93E-02	1.24E-03	3.11E-04	2.47E-02	3.78E-03	2.21E-06	1.36E-05	9.08E-06	3.80E-03
4839	480863.09	3861877.25	3.87E-03	2.09E-06	1.44E-05	9.43E-06	3.89E-03	4.03E-03	2.14E-02	1.31E-03	3.22E-04	2.70E-02	4.03E-03	2.45E-06	1.44E-05	9.43E-06	4.05E-03
4840	481363.09	3861877.25	4.13E-03	2.28E-06	1.48E-05	9.64E-06	4.15E-03	4.31E-03	2.32E-02	1.35E-03	3.30E-04	2.92E-02	4.30E-03	2.66E-06	1.48E-05	9.64E-06	4.32E-03
4841	481863.09	3861877.25	4.37E-03	2.43E-06	1.51E-05	9.95E-06	4.40E-03	4.56E-03	2.48E-02	1.38E-03	3.40E-04	3.11E-02	4.55E-03	2.84E-06	1.51E-05	9.95E-06	4.58E-03
4842	482363.09	3861877.25	4.56E-03	2.62E-06	1.55E-05	1.01E-05	4.59E-03	4.76E-03	2.67E-02	1.41E-03	3.47E-04	3.32E-02	4.75E-03	3.06E-06	1.55E-05	1.01E-05	4.78E-03
4843	482863.09	3861877.25	4.76E-03	2.83E-06	1.58E-05	1.06E-05	4.79E-03	4.96E-03	2.89E-02	1.44E-03	3.61E-04	3.57E-02	4.95E-03	3.31E-06	1.58E-05	1.06E-05	4.98E-03
4844	483363.09	3861877.25	4.91E-03	3.07E-06	1.56E-05	1.11E-05	4.94E-03	5.13E-03	3.13E-02	1.42E-03	3.78E-04	3.82E-02	5.12E-03	3.59E-06	1.56E-05	1.11E-05	5.15E-03
4845	483863.09	3861877.25	4.99E-03	3.32E-06	1.42E-05	1.15E-05	5.02E-03	5.21E-03	3.39E-02	1.29E-03	3.94E-04	4.08E-02	5.19E-03	3.88E-06	1.42E-05	1.15E-05	5.22E-03
4846	484363.09	3861877.25	4.94E-03	3.64E-06	1.29E-05	1.20E-05	4.97E-03	5.15E-03	3.72E-02	1.17E-03	4.09E-04	4.39E-02	5.14E-03	4.26E-06	1.29E-05	1.20E-05	5.17E-03
4847	484863.09	3861877.25	4.86E-03	4.01E-06	1.17E-05	1.21E-05	4.89E-03	5.07E-03	4.09E-02	1.06E-03	4.14E-04	4.75E-02	5.06E-03	4.69E-06	1.17E-05	1.21E-05	5.09E-03
4848	485363.09	3861877.25	4.70E-03	4.37E-06	1.06E-05	1.21E-05	4.73E-03	4.91E-03	4.46E-02	9.68E-04	4.12E-04	5.09E-02	4.90E-03	5.11E-06	1.06E-05	1.21E-05	4.92E-03
4849	485863.09	3861877.25	4.44E-03	4.66E-06	1.18E-05	1.18E-05	4.47E-03	4.63E-03	4.77E-02	1.08E-03	4.03E-04	5.38E-02	4.62E-03	5.46E-06	1.18E-05	1.18E-05	4.65E-03
4850	486363.09	3861877.25	4.35E-03	5.06E-06	9.38E-06	1.20E-05	4.37E-03	4.54E-03	5.17E-02	8.55E-04	4.11E-04	5.75E-02	4.53E-03	5.92E-06	9.38E-06	1.20E-05	4.56E-03
4851	486863.09	3861877.25	4.35E-03	5.50E-06	8.95E-06	1.21E-05	4.38E-03	4.54E-03	5.62E-02	8.16E-04	4.15E-04	6.20E-02	4.53E-03	6.44E-06	8.95E-06	1.21E-05	4.56E-03
4852	487363.09	3861877.25	4.42E-03	5.93E-06	1.05E-05	1.20E-05	4.45E-03	4.61E-03	6.06E-02	9.60E-04	4.09E-04	6.65E-02	4.60E-03	6.94E-06	1.05E-05	1.20E-05	4.63E-03
4853	487863.09	3861877.25	4.48E-03	6.08E-06	1.31E-05	1.27E-05	4.51E-03	4.68E-03	6.21E-02	1.19E-03	4.36E-04	6.84E-02	4.67E-03	7.11E-06	1.31E-05	1.27E-05	4.70E-03
4854	488363.09	3861877.25	4.38E-03	5.99E-06	1.19E-05	1.35E-05	4.41E-03	4.57E-03	6.12E-02	1.09E-03	4.60E-04	6.73E-02	4.56E-03	7.01E-06	1.19E-05	1.35E-05	4.59E-03
4855	488863.09	3861877.25	4.40E-03	6.05E-06	8.82E-06	1.36E-05	4.43E-03	4.60E-03	6.18E-02	8.05E-04	4.67E-04	6.76E-02	4.59E-03	7.07E-06	8.82E-06	1.36E-05	4.62E-03
4856	489363.09	3861877.25	4.54E-03	6.20E-06	7.89E-06	1.30E-05	4.57E-03	4.74E-03	6.34E-02	7.19E-04	4.45E-04	6.93E-02	4.73E-03	7.26E-06	7.89E-06	1.30E-05	4.76E-03
4857	489863.09	3861877.25	4.63E-03	6.36E-06	8.67E-06	1.38E-05	4.66E-03	4.83E-03	6.50E-02	7.91E-04	4.72E-04	7.10E-02	4.82E-03	7.44E-06	8.67E-06	1.38E-05	4.85E-03
4858	490363.09	3861877.25	4.67E-03	6.33E-06	1.16E-05	1.35E-05	4.71E-03	4.88E-03	6.46E-02	1.06E-03	4.62E-04	7.10E-02	4.87E-03	7.40E-06	1.16E-05	1.35E-05	4.90E-03
4859	490863.09	3861877.25	4.70E-03	6.21E-06	1.40E-05	1.33E-05	4.74E-03	4.91E-03	6.34E-02	1.27E-03	4.55E-04	7.01E-02	4.90E-03	7.26E-06	1.40E-05	1.33E-05	4.93E-03
4860	491363.09	3861877.25	4.79E-03	6.19E-06	1.42E-05	1.32E-05	4.82E-03	4.99E-03	6.32E-02	1.29E-03	4.52E-04	6.99E-02	4.98E-03	7.24E-06	1.42E-05	1.32E-05	5.02E-03
4861	491863.09	3861877.25	5.05E-03	6.16E-06	1.43E-05	1.33E-05	5.09E-03	5.27E-03	6.30E-02	1.30E-03	4.54E-04	7.00E-02	5.26E-03	7.21E-06	1.43E-05	1.33E-05	5.30E-03
4862	492363.09	3861877.25	4.97E-03	5.99E-06	1.50E-05	1.34E-05	5.01E-03	5.19E-03	6.12E-02	1.37E-03	4.57E-04	6.82E-02	5.18E-03	7.01E-06	1.50E-05	1.34E-05	5.21E-03
4863	492863.09	3861877.25	4.68E-03	5.86E-06	1.45E-05	1.36E-05	4.72E-03	4.89E-03	5.99E-02	1.33E-03	4.65E-04	6.66E-02	4.88E-03	6.86E-06	1.45E-05	1.36E-05	4.91E-03
4864	493363.09	3861877.25	4.48E-03	5.71E-06	1.38E-05	1.38E-05	4.51E-03	4.68E-03	5.84E-02	1.26E-03	4.71E-04	6.48E-02	4.67E-03	6.69E-06	1.38E-05	1.38E-05	4.70E-03
4865	493863.09	3861877.25	4.44E-03	5.51E-06	1.43E-05	1.38E-05	4.47E-03	4.63E-03	5.63E-02	1.30E-03	4.73E-04	6.27E-02	4.62E-03	6.45E-06	1.43E-05	1.38E-05	4.66E-03
4866	494363.09	3861877.25	4.45E-03	5.28E-06	1.52E-05	1.38E-05	4.49E-03	4.65E-03	5.39E-02	1.39E-03	4.73E-04	6.05E-02	4.64E-03	6.18E-06	1.52E-05	1.38E-05	4.67E-03
4867	494863.09	3861877.25	4.54E-03	5.07E-06	1.56E-05	1.38E-05	4.57E-03	4.74E-03	5.18E-02	1.43E-03	4.73E-04	5.85E-02	4.73E-03	5.93E-06	1.56E-05	1.38E-05	4.76E-03
4868	495363.09	3861877.25	4.70E-03	4.85E-06	1.52E-05	1.38E-05	4.73E-03	4.90E-03	4.96E-02	1.39E-03	4.73E-04	5.63E-02	4.89E-03	5.67E-06	1.52E-05	1.38E-05	4.92E-03
4869	495863.09	3861877.25	4.88E-03	4.64E-06	1.49E-05	1.39E-05	4.92E-03	5.09E-03	4.74E-02	1.36E-03	4.74E-04	5.43E-02	5.08E-03	5.43E-06	1.49E-05	1.39E-05	5.12E-03
4870	496363.09	3861877.25	5.03E-03	4.45E-06	1.52E-05	1.39E-05	5.06E-03	5.25E-03	4.55E-02	1.39E-03	4.77E-04	5.26E-02	5.24E-03	5.21E-06	1.52E-05	1.39E-05	5.27E-03
4871	496863.09	3861877.25	5.36E-03	4.31E-06	1.79E-05	1.46E-05	5.40E-03	5.60E-03	4.40E-02	1.63E-03	5.01E-04	5.17E-02	5.59E-03	5.04E-06	1.79E-05	1.46E-05	5.62E-03
4872	497363.09	3861877.25	5.10E-03	4.15E-06	1.73E-05	1.45E-05	5.14E-03	5.32E-03	4.24E-02	1.58E-03	4.96E-04	4.98E-02	5.31E-03	4.86E-06	1.73E-05	1.45E-05	5.35E-03
4873	497863.09	3861877.25	4.93E-03	3.96E-06	1.77E-05	1.43E-05	4.96E-03	5.14E-03	4.05E-02	1.61E-03	4.90E-04	4.77E-02	5.13E-03	4.64E-06	1.77E-05	1.43E-05	5.17E-03
4874	498363.09	3861877.25	4.79E-03	3.80E-06	1.80E-05	1.43E-05	4.83E-03	5.00E-03	3.89E-02	1.64E-03	4.89E-04	4.60E-02	4.99E-03	4.45E-06	1.80E-05	1.43E-05	5.03E-03
4875	471363.09	3862377.25	1.76E-03	6.29E-07	8.78E-06	5.47E-06	1.77E-03	1.83E-03	6.42E-03	8.01E-04	1.87E-04	9.24E-03	1.83E-03	7.36E-07	8.78E-06	5.47E-06	1.84E-03
4876	471863.09	3862377.25	1.83E-03	6.56E-07	9.01E-06	5.66E-06	1.84E-03	1.91E-03	6.70E-03	8.22E-04	1.94E-04	9.62E-03	1.90E-03	7.67E-07	9.01E-06	5.66E-06	1.92E-03

4877	472363.09	3862377.25	1.88E-03	6.94E-07	9.19E-06	5.81E-06	1.90E-03	1.97E-03	7.09E-03	8.38E-04	1.99E-04	1.01E-02	1.96E-03	8.11E-07	9.19E-06	5.81E-06	1.98E-03
4878	472863.09	3862377.25	1.93E-03	7.30E-07	9.33E-06	5.98E-06	1.95E-03	2.02E-03	7.46E-03	8.51E-04	2.05E-04	1.05E-02	2.01E-03	8.54E-07	9.33E-06	5.98E-06	2.03E-03
4879	473363.09	3862377.25	1.98E-03	7.65E-07	9.48E-06	6.20E-06	2.00E-03	2.07E-03	7.82E-03	8.65E-04	2.12E-04	1.10E-02	2.07E-03	8.95E-07	9.48E-06	6.20E-06	2.08E-03
4880	473863.09	3862377.25	2.04E-03	8.00E-07	9.63E-06	6.39E-06	2.05E-03	2.13E-03	8.17E-03	8.78E-04	2.19E-04	1.14E-02	2.12E-03	9.36E-07	9.63E-06	6.39E-06	2.14E-03
4881	474363.09	3862377.25	2.10E-03	8.28E-07	9.82E-06	6.61E-06	2.12E-03	2.19E-03	8.46E-03	8.96E-04	2.26E-04	1.18E-02	2.19E-03	9.69E-07	9.82E-06	6.61E-06	2.20E-03
4882	474863.09	3862377.25	2.18E-03	8.47E-07	1.01E-05	6.85E-06	2.19E-03	2.27E-03	8.66E-03	9.21E-04	2.34E-04	1.21E-02	2.27E-03	9.91E-07	1.01E-05	6.85E-06	2.28E-03
4883	475363.09	3862377.25	2.25E-03	9.07E-07	1.04E-05	6.97E-06	2.27E-03	2.34E-03	9.26E-03	9.50E-04	2.39E-04	1.28E-02	2.34E-03	1.06E-06	1.04E-05	6.97E-06	2.36E-03
4884	475863.09	3862377.25	2.31E-03	9.62E-07	1.07E-05	7.13E-06	2.33E-03	2.41E-03	9.83E-03	9.71E-04	2.44E-04	1.35E-02	2.40E-03	1.13E-06	1.07E-05	7.13E-06	2.42E-03
4885	476363.09	3862377.25	2.36E-03	1.01E-06	1.09E-05	7.32E-06	2.38E-03	2.46E-03	1.03E-02	9.91E-04	2.50E-04	1.40E-02	2.46E-03	1.18E-06	1.09E-05	7.32E-06	2.48E-03
4886	476863.09	3862377.25	2.39E-03	1.05E-06	1.10E-05	7.53E-06	2.41E-03	2.50E-03	1.07E-02	1.00E-03	2.58E-04	1.45E-02	2.49E-03	1.23E-06	1.10E-05	7.53E-06	2.51E-03
4887	477363.09	3862377.25	2.41E-03	1.04E-06	1.14E-05	7.97E-06	2.43E-03	2.52E-03	1.06E-02	1.04E-03	2.72E-04	1.44E-02	2.51E-03	1.22E-06	1.14E-05	7.97E-06	2.53E-03
4888	477863.09	3862377.25	2.34E-03	7.61E-07	1.55E-05	1.02E-05	2.37E-03	2.44E-03	7.77E-03	1.41E-03	3.48E-04	1.20E-02	2.44E-03	8.90E-07	1.55E-05	1.02E-05	2.46E-03
4889	478363.09	3862377.25	2.14E-03	5.45E-07	1.44E-05	9.28E-06	2.17E-03	2.24E-03	5.56E-03	1.31E-03	3.17E-04	9.43E-03	2.23E-03	6.37E-07	1.44E-05	9.28E-06	2.26E-03
4890	478863.09	3862377.25	2.33E-03	5.95E-07	1.28E-05	8.50E-06	2.35E-03	2.43E-03	6.08E-03	1.17E-03	2.91E-04	9.96E-03	2.42E-03	6.96E-07	1.28E-05	8.50E-06	2.44E-03
4891	479363.09	3862377.25	2.71E-03	7.74E-07	1.37E-05	8.96E-06	2.74E-03	2.83E-03	7.91E-03	1.25E-03	3.06E-04	1.23E-02	2.83E-03	9.05E-07	1.37E-05	8.96E-06	2.85E-03
4892	479863.09	3862377.25	3.15E-03	1.46E-06	1.30E-05	8.70E-06	3.17E-03	3.28E-03	1.49E-02	1.19E-03	2.97E-04	1.97E-02	3.28E-03	1.71E-06	1.30E-05	8.70E-06	3.30E-03
4893	480363.09	3862377.25	3.34E-03	1.79E-06	1.33E-05	8.80E-06	3.36E-03	3.48E-03	1.83E-02	1.21E-03	3.01E-04	2.33E-02	3.47E-03	2.09E-06	1.33E-05	8.80E-06	3.50E-03
4894	480863.09	3862377.25	3.54E-03	1.95E-06	1.36E-05	9.02E-06	3.56E-03	3.69E-03	1.99E-02	1.24E-03	3.08E-04	2.52E-02	3.69E-03	2.28E-06	1.36E-05	9.02E-06	3.71E-03
4895	481363.09	3862377.25	3.77E-03	2.09E-06	1.39E-05	9.15E-06	3.79E-03	3.93E-03	2.14E-02	1.27E-03	3.13E-04	2.69E-02	3.93E-03	2.45E-06	1.39E-05	9.15E-06	3.95E-03
4896	481863.09	3862377.25	3.94E-03	2.24E-06	1.42E-05	9.26E-06	3.96E-03	4.11E-03	2.29E-02	1.29E-03	3.17E-04	2.86E-02	4.10E-03	2.62E-06	1.42E-05	9.26E-06	4.13E-03
4897	482363.09	3862377.25	4.06E-03	2.40E-06	1.44E-05	9.36E-06	4.08E-03	4.23E-03	2.45E-02	1.31E-03	3.20E-04	3.04E-02	4.22E-03	2.81E-06	1.44E-05	9.36E-06	4.25E-03
4898	482863.09	3862377.25	4.20E-03	2.55E-06	1.38E-05	9.75E-06	4.22E-03	4.38E-03	2.60E-02	1.26E-03	3.34E-04	3.20E-02	4.37E-03	2.98E-06	1.38E-05	9.75E-06	4.40E-03
4899	483363.09	3862377.25	4.33E-03	2.68E-06	1.27E-05	1.02E-05	4.36E-03	4.52E-03	2.74E-02	1.16E-03	3.48E-04	3.35E-02	4.51E-03	3.14E-06	1.27E-05	1.02E-05	4.54E-03
4900	483863.09	3862377.25	4.31E-03	2.89E-06	1.16E-05	1.06E-05	4.34E-03	4.50E-03	2.96E-02	1.06E-03	3.63E-04	3.55E-02	4.49E-03	3.38E-06	1.16E-05	1.06E-05	4.52E-03
4901	484363.09	3862377.25	4.30E-03	3.09E-06	1.08E-05	1.07E-05	4.32E-03	4.48E-03	3.16E-02	9.83E-04	3.67E-04	3.74E-02	4.47E-03	3.62E-06	1.08E-05	1.07E-05	4.50E-03
4902	484863.09	3862377.25	4.19E-03	3.30E-06	9.65E-06	1.06E-05	4.22E-03	4.38E-03	3.37E-02	8.80E-04	3.61E-04	3.93E-02	4.37E-03	3.86E-06	9.65E-06	1.06E-05	4.39E-03
4903	485363.09	3862377.25	4.07E-03	3.52E-06	1.09E-05	1.02E-05	4.09E-03	4.25E-03	3.59E-02	9.93E-04	3.49E-04	4.15E-02	4.24E-03	4.11E-06	1.09E-05	1.02E-05	4.26E-03
4904	485863.09	3862377.25	3.87E-03	3.75E-06	1.06E-05	9.82E-06	3.90E-03	4.04E-03	3.83E-02	9.66E-04	3.36E-04	4.37E-02	4.03E-03	4.39E-06	1.06E-05	9.82E-06	4.06E-03
4905	486363.09	3862377.25	3.76E-03	4.03E-06	8.06E-06	9.67E-06	3.79E-03	3.93E-03	4.12E-02	7.35E-04	3.31E-04	4.62E-02	3.92E-03	4.72E-06	8.06E-06	9.67E-06	3.94E-03
4906	486863.09	3862377.25	3.76E-03	4.21E-06	8.40E-06	9.58E-06	3.78E-03	3.92E-03	4.30E-02	7.66E-04	3.28E-04	4.80E-02	3.91E-03	4.92E-06	8.40E-06	9.58E-06	3.94E-03
4907	487363.09	3862377.25	3.84E-03	4.38E-06	1.01E-05	9.62E-06	3.86E-03	4.00E-03	4.48E-02	9.23E-04	3.29E-04	5.00E-02	4.00E-03	5.13E-06	1.01E-05	9.62E-06	4.02E-03
4908	487863.09	3862377.25	3.93E-03	4.42E-06	1.23E-05	1.02E-05	3.96E-03	4.10E-03	4.52E-02	1.12E-03	3.49E-04	5.08E-02	4.09E-03	5.17E-06	1.23E-05	1.02E-05	4.12E-03
4909	488363.09	3862377.25	3.85E-03	4.30E-06	1.12E-05	1.08E-05	3.88E-03	4.02E-03	4.39E-02	1.03E-03	3.69E-04	4.93E-02	4.01E-03	5.03E-06	1.12E-05	1.08E-05	4.04E-03
4910	488863.09	3862377.25	3.80E-03	4.32E-06	8.25E-06	1.06E-05	3.82E-03	3.96E-03	4.42E-02	7.52E-04	3.63E-04	4.92E-02	3.95E-03	5.06E-06	8.25E-06	1.06E-05	3.98E-03
4911	489363.09	3862377.25	3.92E-03	4.44E-06	7.46E-06	1.02E-05	3.94E-03	4.09E-03	4.53E-02	6.81E-04	3.48E-04	5.04E-02	4.08E-03	5.19E-06	7.46E-06	1.02E-05	4.10E-03
4912	489863.09	3862377.25	4.04E-03	4.54E-06	7.21E-06	1.09E-05	4.06E-03	4.21E-03	4.64E-02	6.57E-04	3.72E-04	5.16E-02	4.21E-03	5.31E-06	7.21E-06	1.09E-05	4.23E-03
4913	490363.09	3862377.25	4.06E-03	4.65E-06	8.89E-06	1.12E-05	4.09E-03	4.24E-03	4.75E-02	8.11E-04	3.83E-04	5.29E-02	4.23E-03	5.44E-06	8.89E-06	1.12E-05	4.26E-03
4914	490863.09	3862377.25	4.14E-03	4.63E-06	1.17E-05	1.09E-05	4.17E-03	4.32E-03	4.73E-02	1.06E-03	3.73E-04	5.30E-02	4.31E-03	5.41E-06	1.17E-05	1.09E-05	4.34E-03
4915	491363.09	3862377.25	4.13E-03	4.51E-06	1.29E-05	1.08E-05	4.16E-03	4.31E-03	4.61E-02	1.18E-03	3.69E-04	5.20E-02	4.30E-03	5.28E-06	1.29E-05	1.08E-05	4.33E-03
4916	491863.09	3862377.25	4.17E-03	4.43E-06	1.28E-05	1.05E-05	4.19E-03	4.35E-03	4.53E-02	1.17E-03	3.60E-04	5.11E-02	4.34E-03	5.18E-06	1.28E-05	1.05E-05	4.37E-03
4917	492363.09	3862377.25	4.39E-03	4.45E-06	1.28E-05	1.05E-05	4.42E-03	4.58E-03	4.55E-02	1.17E-03	3.59E-04	5.16E-02	4.57E-03	5.21E-06	1.28E-05	1.05E-05	4.60E-03
4918	492863.09	3862377.25	4.39E-03	4.46E-06	1.36E-05	1.06E-05	4.42E-03	4.58E-03	4.55E-02	1.24E-03	3.63E-04	5.17E-02	4.57E-03	5.21E-06	1.36E-05	1.06E-05	4.60E-03
4919	493363.09	3862377.25	4.16E-03	4.42E-06	1.33E-05	1.08E-05	4.18E-03	4.34E-03	4.52E-02	1.21E-03	3.69E-04	5.11E-02	4.33E-03	5.17E-06	1.33E-05	1.08E-05	4.36E-03
4920	493863.09	3862377.25	3.94E-03	4.36E-06	1.24E-05	1.10E-05	3.97E-03	4.11E-03	4.46E-02	1.13E-03	3.75E-04	5.02E-02	4.11E-03	5.11E-06	1.24E-05	1.10E-05	4.13E-03
4921	494363.09	3862377.25	3.87E-03	4.28E-06	1.23E-05	1.11E-05	3.90E-03	4.04E-03	4.38E-02	1.12E-03	3.78E-04	4.93E-02	4.03E-03	5.01E-06	1.23E-05	1.11E-05	4.06E-03
4922	494863.09	3862377.25	3.88E-03	4.17E-06	1.31E-05	1.11E-05	3.91E-03	4.05E-03	4.27E-02	1.20E-03	3.81E-04	4.83E-02	4.04E-03	4.88E-06	1.31E-05	1.11E-05	4.07E-03
4923	495363.09	3862377.25	3.88E-03	4.01E-06	1.38E-05	1.11E-05	3.91E-03	4.05E-03	4.10E-02	1.26E-03	3.79E-04	4.66E-02	4.04E-03	4.69E-06	1.38E-05	1.11E-05	4.07E-03
4924	495863.09	3862377.25	3.95E-03	3.86E-06	1.38E-05	1.11E-05	3.98E-03	4.12E-03	3.95E-02	1.26E-03	3.79E-04	4.52E-02	4.11E-03	4.52E-06	1.38E-05	1.11E-05	4.14E-03
4925	496363.09	3862377.25	4.08E-03	3.72E-06	1.33E-05	1.11E-05	4.11E-03	4.26E-03	3.80E-02	1.21E-03	3.79E-04	4.39E-02	4.25E-03	4.36E-06	1.33E-05	1.11E-05	4.28E-03
4926	496863.09	3862377.25	4.28E-03	3.63E-06	1.30E-05	1.12E-05	4.31E-03	4.47E-03	3.71E-02	1.18E-03	3.84E-04	4.31E-02	4.46E-03	4.25E-06	1.30E-05	1.12E-05	4.49E-03
4927	497363.09	3862377.25	4.35E-03	3.49E-06	1.30E-05	1.13E-05	4.37E-03	4.53E-03	3.57E-02	1.19E-03	3.85E-04	4.18E-02	4.53E-03	4.09E-06	1.30E-05	1.13E-05	4.55E-03
4928	497863.09	3862377.25	4.34E-03	3.37E-06	1.36E-05	1.13E-05	4.37E-03	4.53E-03	3.45E-02	1.24E-03	3.88E-04	4.06E-02	4.52E-03	3.95E-06	1.36E-05	1.13E-05	4.55E-03
4929	498363.09	3862377.25	4.25E-03	3.25E-06	1.42E-05	1.14E-05	4.28E-03	4.44E-03	3.32E-02	1.29E-03	3.89E-04	3.93E-02	4.43E-03	3.80E-06	1.42E-05	1.14E-05	4.46E-03
4930	471363.09	3862877.25	1.69E-03	6.19E-07	8.55E-06	5.45E-06	1.70E-03	1.76E-03	6.33E-03	7.80E-04	1.86E-04	9.05E-03	1.76E-03	7.25E-07	8.55E-06	5.45E-06	1.77E-03
4931	471863.09	3862877.25	1.73E-03	6.50E-07	8.65E-06	5.62E-06	1.74E-03	1.80E-03	6.64E-03	7.89E-04	1.92E-04	9.42E-03	1.80E-03	7.60E-07	8.65E-06	5.62E-06	1.81E-03
4932	472363.09	3862877.25	1.77E-03	6.83E-07	8.80E-06	5.81E-06	1.78E-03	1.84E-03	6.98E-03	8.03E-04	1.99E-04	9.82E-03	1.84E-03	7.99E-07	8.80E-06	5.81E-06	1.86E-03
4933	472863.09	3862877.25	1.81E-03	7.12E-07	8.97E-06	6.01E-06	1.82E-03	1.89E-03	7.28E-03	8.18E-04	2.05E-04	1.02E-02	1.88E-03	8.33E-07	8.97E-06	6.01E-06	1.90E-03
4934	473363.09	3862877.25	1.85E-03	7.44E-07	9.23E-06	6.18E-06	1.87E-03	1.93E-03	7.60E-03	8.42E-04	2.11E-04	1.06E-02	1.93E-03	8.70E-07	9.23E-06	6.18E-06	1.95E-03
4935	473863.09	3862877.25	1.91E-03	7.75E-07	9.48E-06	6.33E-06	1.92E-03	1.99E-03	7.91E-03	8.65E-04	2.16E-04	1.10E-02	1.99E-03	9.06E-07	9.48E-06	6.33E-06	2.00E-03
4936	474363.09	3862877.25	1.97E-03	8.05E-07	9.72E-06	6.52E-06	1.98E-03	2.05E-03	8.22E-03	8.86E-04	2.23E-04	1.14E-02	2.05E-03	9.42E-07	9.72E-06	6.52E-06	2.06E-03
4937	474863.09	3862877.25	2.01E-03	8.40E-07	9.91E-06	6.70E-06	2.03E-03	2.10E-03	8.58E-03	9.04E-04	2.29E-04	1.18E-02	2.10E-03	9.82E-07	9.91E-06	6.70E-06	2.11E-03

4938	475363.09	3862877.25	2.05E-03	8.90E-07	9.91E-06	6.82E-06	2.07E-03	2.14E-03	9.09E-03	9.04E-04	2.33E-04	1.24E-02	2.13E-03	1.04E-06	9.91E-06	6.82E-06	2.15E-03
4939	475863.09	3862877.25	2.07E-03	9.40E-07	9.84E-06	6.95E-06	2.09E-03	2.16E-03	9.60E-03	8.98E-04	2.38E-04	1.29E-02	2.16E-03	1.10E-06	9.84E-06	6.95E-06	2.18E-03
4940	476363.09	3862877.25	2.10E-03	9.94E-07	9.74E-06	7.04E-06	2.12E-03	2.19E-03	1.02E-02	8.88E-04	2.41E-04	1.35E-02	2.19E-03	1.16E-06	9.74E-06	7.04E-06	2.20E-03
4941	476863.09	3862877.25	2.15E-03	1.04E-06	9.80E-06	7.17E-06	2.16E-03	2.24E-03	1.06E-02	8.94E-04	2.45E-04	1.40E-02	2.23E-03	1.22E-06	9.80E-06	7.17E-06	2.25E-03
4942	477363.09	3862877.25	2.22E-03	1.07E-06	1.01E-05	7.34E-06	2.24E-03	2.32E-03	1.10E-02	9.19E-04	2.51E-04	1.44E-02	2.32E-03	1.25E-06	1.01E-05	7.34E-06	2.33E-03
4943	477863.09	3862877.25	2.31E-03	9.82E-07	1.09E-05	7.88E-06	2.33E-03	2.42E-03	1.00E-02	9.99E-04	2.69E-04	1.37E-02	2.41E-03	1.15E-06	1.09E-05	7.88E-06	2.43E-03
4944	478363.09	3862877.25	2.31E-03	7.17E-07	1.22E-05	8.20E-06	2.33E-03	2.41E-03	7.32E-03	1.11E-03	2.81E-04	1.11E-02	2.40E-03	8.39E-07	1.22E-05	8.20E-06	2.42E-03
4945	478863.09	3862877.25	2.46E-03	7.62E-07	1.27E-05	8.42E-06	2.48E-03	2.57E-03	7.79E-03	1.16E-03	2.88E-04	1.18E-02	2.56E-03	8.92E-07	1.27E-05	8.42E-06	2.58E-03
4946	479363.09	3862877.25	2.59E-03	8.47E-07	1.29E-05	8.44E-06	2.61E-03	2.70E-03	8.66E-03	1.18E-03	2.89E-04	1.28E-02	2.70E-03	9.91E-07	1.29E-05	8.44E-06	2.72E-03
4947	479863.09	3862877.25	2.92E-03	1.53E-06	1.22E-05	8.18E-06	2.94E-03	3.05E-03	1.57E-02	1.11E-03	2.80E-04	2.01E-02	3.04E-03	1.80E-06	1.22E-05	8.18E-06	3.06E-03
4948	480363.09	3862877.25	3.07E-03	1.69E-06	1.25E-05	8.40E-06	3.10E-03	3.21E-03	1.73E-02	1.14E-03	2.87E-04	2.19E-02	3.20E-03	1.98E-06	1.25E-05	8.40E-06	3.22E-03
4949	480863.09	3862877.25	3.28E-03	1.81E-06	1.28E-05	8.48E-06	3.30E-03	3.42E-03	1.85E-02	1.17E-03	2.90E-04	2.34E-02	3.41E-03	2.12E-06	1.28E-05	8.48E-06	3.44E-03
4950	481363.09	3862877.25	3.45E-03	1.93E-06	1.29E-05	8.52E-06	3.47E-03	3.59E-03	1.97E-02	1.18E-03	2.92E-04	2.48E-02	3.59E-03	2.25E-06	1.29E-05	8.52E-06	3.61E-03
4951	481863.09	3862877.25	3.58E-03	2.00E-06	1.32E-05	8.52E-06	3.60E-03	3.73E-03	2.04E-02	1.20E-03	2.92E-04	2.56E-02	3.73E-03	2.34E-06	1.32E-05	8.52E-06	3.75E-03
4952	482363.09	3862877.25	3.61E-03	2.13E-06	1.22E-05	8.74E-06	3.63E-03	3.76E-03	2.17E-02	1.11E-03	2.99E-04	2.69E-02	3.75E-03	2.49E-06	1.22E-05	8.74E-06	3.78E-03
4953	482863.09	3862877.25	3.74E-03	2.24E-06	1.13E-05	9.02E-06	3.76E-03	3.90E-03	2.29E-02	1.03E-03	3.08E-04	2.82E-02	3.90E-03	2.63E-06	1.13E-05	9.02E-06	3.92E-03
4954	483363.09	3862877.25	3.82E-03	2.37E-06	1.06E-05	9.36E-06	3.84E-03	3.98E-03	2.42E-02	9.64E-04	3.20E-04	2.95E-02	3.97E-03	2.77E-06	1.06E-05	9.36E-06	4.00E-03
4955	483863.09	3862877.25	3.78E-03	2.50E-06	9.82E-06	9.67E-06	3.80E-03	3.95E-03	2.55E-02	8.96E-04	3.31E-04	3.07E-02	3.94E-03	2.92E-06	9.82E-06	9.67E-06	3.96E-03
4956	484363.09	3862877.25	3.74E-03	2.60E-06	8.97E-06	9.58E-06	3.77E-03	3.91E-03	2.66E-02	8.18E-04	3.28E-04	3.17E-02	3.90E-03	3.05E-06	8.97E-06	9.58E-06	3.92E-03
4957	484863.09	3862877.25	3.69E-03	2.75E-06	9.61E-06	9.24E-06	3.71E-03	3.85E-03	2.81E-02	8.76E-04	3.16E-04	3.31E-02	3.84E-03	3.21E-06	9.61E-06	9.24E-06	3.87E-03
4958	485363.09	3862877.25	3.59E-03	2.94E-06	1.11E-05	8.68E-06	3.61E-03	3.74E-03	3.00E-02	1.01E-03	2.97E-04	3.51E-02	3.73E-03	3.44E-06	1.11E-05	8.68E-06	3.76E-03
4959	485863.09	3862877.25	3.39E-03	3.13E-06	8.61E-06	8.35E-06	3.41E-03	3.53E-03	3.20E-02	7.85E-04	2.86E-04	3.66E-02	3.53E-03	3.66E-06	8.61E-06	8.35E-06	3.55E-03
4960	486363.09	3862877.25	3.32E-03	3.31E-06	7.57E-06	8.22E-06	3.34E-03	3.46E-03	3.38E-02	6.90E-04	2.81E-04	3.83E-02	3.46E-03	3.87E-06	7.57E-06	8.22E-06	3.48E-03
4961	486863.09	3862877.25	3.28E-03	3.32E-06	7.87E-06	8.18E-06	3.30E-03	3.42E-03	3.39E-02	7.17E-04	2.80E-04	3.83E-02	3.42E-03	3.88E-06	7.87E-06	8.18E-06	3.44E-03
4962	487363.09	3862877.25	3.36E-03	3.39E-06	9.74E-06	8.16E-06	3.38E-03	3.51E-03	3.47E-02	8.88E-04	2.79E-04	3.93E-02	3.50E-03	3.97E-06	9.74E-06	8.16E-06	3.52E-03
4963	487863.09	3862877.25	3.47E-03	3.41E-06	1.15E-05	8.68E-06	3.49E-03	3.62E-03	3.48E-02	1.05E-03	2.97E-04	3.98E-02	3.61E-03	3.99E-06	1.15E-05	8.68E-06	3.64E-03
4964	488363.09	3862877.25	3.45E-03	3.31E-06	1.07E-05	9.17E-06	3.47E-03	3.60E-03	3.39E-02	9.71E-04	3.14E-04	3.87E-02	3.59E-03	3.88E-06	1.07E-05	9.17E-06	3.62E-03
4965	488863.09	3862877.25	3.34E-03	3.31E-06	7.76E-06	8.70E-06	3.36E-03	3.48E-03	3.38E-02	7.08E-04	2.97E-04	3.83E-02	3.48E-03	3.88E-06	7.76E-06	8.70E-06	3.50E-03
4966	489363.09	3862877.25	3.38E-03	3.39E-06	7.14E-06	8.52E-06	3.40E-03	3.52E-03	3.46E-02	6.52E-04	2.92E-04	3.91E-02	3.52E-03	3.96E-06	7.14E-06	8.52E-06	3.54E-03
4967	489863.09	3862877.25	3.52E-03	3.44E-06	6.40E-06	8.91E-06	3.54E-03	3.67E-03	3.52E-02	5.84E-04	3.05E-04	3.97E-02	3.67E-03	4.03E-06	6.40E-06	8.91E-06	3.69E-03
4968	490363.09	3862877.25	3.57E-03	3.52E-06	7.08E-06	9.47E-06	3.59E-03	3.72E-03	3.60E-02	6.46E-04	3.24E-04	4.06E-02	3.71E-03	4.12E-06	7.08E-06	9.47E-06	3.73E-03
4969	490863.09	3862877.25	3.58E-03	3.60E-06	9.14E-06	9.47E-06	3.60E-03	3.74E-03	3.68E-02	8.34E-04	3.24E-04	4.17E-02	3.73E-03	4.21E-06	9.14E-06	9.47E-06	3.75E-03
4970	491363.09	3862877.25	3.70E-03	3.61E-06	1.14E-05	9.41E-06	3.72E-03	3.86E-03	3.69E-02	1.04E-03	3.22E-04	4.22E-02	3.85E-03	4.23E-06	1.14E-05	9.41E-06	3.88E-03
4971	491863.09	3862877.25	3.63E-03	3.49E-06	1.19E-05	9.21E-06	3.65E-03	3.78E-03	3.57E-02	1.09E-03	3.15E-04	4.08E-02	3.78E-03	4.08E-06	1.19E-05	9.21E-06	3.80E-03
4972	492363.09	3862877.25	3.69E-03	3.41E-06	1.17E-05	8.98E-06	3.71E-03	3.85E-03	3.48E-02	1.07E-03	3.07E-04	4.01E-02	3.84E-03	3.99E-06	1.17E-05	8.98E-06	3.86E-03
4973	492863.09	3862877.25	3.88E-03	3.41E-06	1.17E-05	8.83E-06	3.90E-03	4.04E-03	3.48E-02	1.07E-03	3.02E-04	4.02E-02	4.04E-03	3.98E-06	1.17E-05	8.83E-06	4.06E-03
4974	493363.09	3862877.25	3.91E-03	3.45E-06	1.25E-05	8.91E-06	3.93E-03	4.08E-03	3.52E-02	1.14E-03	3.05E-04	4.08E-02	4.07E-03	4.04E-06	1.25E-05	8.91E-06	4.10E-03
4975	493863.09	3862877.25	3.74E-03	3.48E-06	1.24E-05	9.11E-06	3.77E-03	3.90E-03	3.56E-02	1.13E-03	3.11E-04	4.09E-02	3.90E-03	4.07E-06	1.24E-05	9.11E-06	3.92E-03
4976	494363.09	3862877.25	3.53E-03	3.47E-06	1.14E-05	9.21E-06	3.56E-03	3.69E-03	3.55E-02	1.04E-03	3.15E-04	4.05E-02	3.68E-03	4.06E-06	1.14E-05	9.21E-06	3.70E-03
4977	494863.09	3862877.25	3.42E-03	3.42E-06	1.09E-05	9.24E-06	3.44E-03	3.56E-03	3.50E-02	9.93E-04	3.16E-04	3.98E-02	3.56E-03	4.00E-06	1.09E-05	9.24E-06	3.58E-03
4978	495363.09	3862877.25	3.40E-03	3.37E-06	1.14E-05	9.28E-06	3.43E-03	3.55E-03	3.44E-02	1.04E-03	3.17E-04	3.93E-02	3.54E-03	3.94E-06	1.14E-05	9.28E-06	3.57E-03
4979	495863.09	3862877.25	3.41E-03	3.30E-06	1.22E-05	9.30E-06	3.44E-03	3.56E-03	3.37E-02	1.11E-03	3.18E-04	3.87E-02	3.55E-03	3.86E-06	1.22E-05	9.30E-06	3.58E-03
4980	496363.09	3862877.25	3.44E-03	3.20E-06	1.27E-05	9.30E-06	3.46E-03	3.59E-03	3.27E-02	1.15E-03	3.18E-04	3.78E-02	3.58E-03	3.74E-06	1.27E-05	9.30E-06	3.61E-03
4981	496863.09	3862877.25	3.51E-03	3.10E-06	1.24E-05	9.30E-06	3.54E-03	3.67E-03	3.16E-02	1.13E-03	3.18E-04	3.68E-02	3.66E-03	3.62E-06	1.24E-05	9.30E-06	3.68E-03
4982	497363.09	3862877.25	3.62E-03	2.99E-06	1.18E-05	9.28E-06	3.65E-03	3.78E-03	3.05E-02	1.07E-03	3.17E-04	3.57E-02	3.77E-03	3.50E-06	1.18E-05	9.28E-06	3.80E-03
4983	497863.09	3862877.25	3.74E-03	2.90E-06	1.13E-05	9.32E-06	3.76E-03	3.90E-03	2.96E-02	1.03E-03	3.19E-04	3.49E-02	3.89E-03	3.39E-06	1.13E-05	9.32E-06	3.92E-03
4984	498363.09	3862877.25	3.82E-03	2.83E-06	1.14E-05	9.43E-06	3.84E-03	3.98E-03	2.89E-02	1.04E-03	3.22E-04	3.42E-02	3.98E-03	3.31E-06	1.14E-05	9.43E-06	4.00E-03
4985	471363.09	3863377.25	1.59E-03	6.14E-07	8.25E-06	5.51E-06	1.60E-03	1.66E-03	6.27E-03	7.52E-04	1.88E-04	8.87E-03	1.66E-03	7.18E-07	8.25E-06	5.51E-06	1.67E-03
4986	471863.09	3863377.25	1.62E-03	6.40E-07	8.46E-06	5.68E-06	1.64E-03	1.69E-03	6.53E-03	7.72E-04	1.94E-04	9.19E-03	1.69E-03	7.48E-07	8.46E-06	5.68E-06	1.70E-03
4987	472363.09	3863377.25	1.66E-03	6.67E-07	8.70E-06	5.86E-06	1.67E-03	1.73E-03	6.81E-03	7.93E-04	2.00E-04	9.53E-03	1.73E-03	7.80E-07	8.70E-06	5.86E-06	1.74E-03
4988	472863.09	3863377.25	1.70E-03	6.94E-07	8.95E-06	6.01E-06	1.71E-03	1.77E-03	7.09E-03	8.16E-04	2.05E-04	9.88E-03	1.77E-03	8.12E-07	8.95E-06	6.01E-06	1.78E-03
4989	473363.09	3863377.25	1.74E-03	7.24E-07	9.12E-06	6.14E-06	1.75E-03	1.81E-03	7.40E-03	8.32E-04	2.10E-04	1.03E-02	1.81E-03	8.48E-07	9.12E-06	6.14E-06	1.82E-03
4990	473863.09	3863377.25	1.77E-03	7.55E-07	9.16E-06	6.26E-06	1.79E-03	1.85E-03	7.71E-03	8.36E-04	2.14E-04	1.06E-02	1.84E-03	8.83E-07	9.16E-06	6.26E-06	1.86E-03
4991	474363.09	3863377.25	1.80E-03	7.86E-07	9.12E-06	6.42E-06	1.81E-03	1.88E-03	8.03E-03	8.32E-04	2.19E-04	1.10E-02	1.87E-03	9.20E-07	9.12E-06	6.42E-06	1.89E-03
4992	474863.09	3863377.25	1.81E-03	8.31E-07	9.06E-06	6.52E-06	1.83E-03	1.89E-03	8.49E-03	8.26E-04	2.23E-04	1.14E-02	1.89E-03	9.72E-07	9.06E-06	6.52E-06	1.90E-03
4993	475363.09	3863377.25	1.84E-03	8.74E-07	8.95E-06	6.59E-06	1.85E-03	1.92E-03	8.92E-03	8.16E-04	2.25E-04	1.19E-02	1.91E-03	1.02E-06	8.95E-06	6.59E-06	1.93E-03
4994	475863.09	3863377.25	1.87E-03	9.21E-07	8.99E-06	6.63E-06	1.89E-03	1.95E-03	9.41E-03	8.20E-04	2.27E-04	1.24E-02	1.95E-03	1.08E-06	8.99E-06	6.63E-06	1.96E-03
4995	476363.09	3863377.25	1.92E-03	9.80E-07	9.27E-06	6.67E-06	1.93E-03	2.00E-03	1.00E-02	8.45E-04	2.28E-04	1.31E-02	1.99E-03	1.15E-06	9.27E-06	6.67E-06	2.01E-03
4996	476863.09	3863377.25	1.99E-03	1.04E-06	9.78E-06	6.72E-06	2.01E-03	2.08E-03	1.06E-02	8.92E-04	2.30E-04	1.38E-02	2.07E-03	1.22E-06	9.78E-06	6.72E-06	2.09E-03
4997	477363.09	3863377.25	2.10E-03	1.09E-06	1.03E-05	6.85E-06	2.12E-03	2.19E-03	1.11E-02	9.40E-04	2.34E-04	1.45E-02	2.19E-03	1.27E-06	1.03E-05	6.85E-06	2.21E-03
4998	477863.09	3863377.25	2.23E-03	1.10E-06	1.08E-05	7.13E-06	2.25E-03	2.33E-03	1.12E-02	9.83E-04	2.44E-04	1.48E-02	2.32E-03	1.28E-06	1.08E-05	7.13E-06	2.34E-03

4999	478363.09	3863377.25	2.33E-03	9.75E-07	1.13E-05	7.64E-06	2.35E-03	2.43E-03	9.96E-03	1.03E-03	2.61E-04	1.37E-02	2.43E-03	1.14E-06	1.13E-05	7.64E-06	2.45E-03
5000	478863.09	3863377.25	2.44E-03	1.08E-06	1.14E-05	7.69E-06	2.46E-03	2.55E-03	1.11E-02	1.04E-03	2.63E-04	1.49E-02	2.54E-03	1.27E-06	1.14E-05	7.69E-06	2.56E-03
5001	479363.09	3863377.25	2.58E-03	1.31E-06	1.15E-05	7.62E-06	2.60E-03	2.69E-03	1.34E-02	1.05E-03	2.61E-04	1.74E-02	2.69E-03	1.53E-06	1.15E-05	7.62E-06	2.71E-03
5002	479863.09	3863377.25	2.69E-03	1.49E-06	1.17E-05	7.79E-06	2.71E-03	2.81E-03	1.52E-02	1.06E-03	2.67E-04	1.93E-02	2.80E-03	1.74E-06	1.17E-05	7.79E-06	2.83E-03
5003	480363.09	3863377.25	2.85E-03	1.58E-06	1.17E-05	7.99E-06	2.87E-03	2.98E-03	1.61E-02	1.07E-03	2.73E-04	2.04E-02	2.97E-03	1.85E-06	1.17E-05	7.99E-06	2.99E-03
5004	480863.09	3863377.25	3.03E-03	1.65E-06	1.20E-05	7.97E-06	3.06E-03	3.17E-03	1.69E-02	1.09E-03	2.72E-04	2.14E-02	3.16E-03	1.93E-06	1.20E-05	7.97E-06	3.18E-03
5005	481363.09	3863377.25	3.13E-03	1.73E-06	1.17E-05	7.97E-06	3.15E-03	3.26E-03	1.76E-02	1.06E-03	2.72E-04	2.22E-02	3.26E-03	2.02E-06	1.17E-05	7.97E-06	3.28E-03
5006	481863.09	3863377.25	3.17E-03	1.81E-06	1.10E-05	7.99E-06	3.19E-03	3.30E-03	1.84E-02	1.00E-03	2.73E-04	2.30E-02	3.30E-03	2.11E-06	1.10E-05	7.99E-06	3.32E-03
5007	482363.09	3863377.25	3.24E-03	1.90E-06	1.01E-05	8.12E-06	3.26E-03	3.38E-03	1.94E-02	9.21E-04	2.78E-04	2.40E-02	3.37E-03	2.22E-06	1.01E-05	8.12E-06	3.39E-03
5008	482863.09	3863377.25	3.34E-03	1.99E-06	9.50E-06	8.35E-06	3.36E-03	3.49E-03	2.03E-02	8.67E-04	2.86E-04	2.49E-02	3.48E-03	2.32E-06	9.50E-06	8.35E-06	3.50E-03
5009	483363.09	3863377.25	3.36E-03	2.07E-06	8.99E-06	8.63E-06	3.38E-03	3.51E-03	2.11E-02	8.20E-04	2.95E-04	2.57E-02	3.50E-03	2.42E-06	8.99E-06	8.63E-06	3.52E-03
5010	483863.09	3863377.25	3.32E-03	2.15E-06	8.25E-06	8.74E-06	3.34E-03	3.46E-03	2.20E-02	7.52E-04	2.99E-04	2.65E-02	3.46E-03	2.51E-06	8.25E-06	8.74E-06	3.48E-03
5011	484363.09	3863377.25	3.29E-03	2.24E-06	8.46E-06	8.52E-06	3.31E-03	3.43E-03	2.29E-02	7.72E-04	2.92E-04	2.74E-02	3.43E-03	2.62E-06	8.46E-06	8.52E-06	3.45E-03
5012	484863.09	3863377.25	3.31E-03	2.37E-06	1.05E-05	8.09E-06	3.33E-03	3.45E-03	2.42E-02	9.58E-04	2.77E-04	2.89E-02	3.45E-03	2.77E-06	1.05E-05	8.09E-06	3.47E-03
5013	485363.09	3863377.25	3.17E-03	2.50E-06	9.76E-06	7.53E-06	3.19E-03	3.30E-03	2.56E-02	8.90E-04	2.58E-04	3.00E-02	3.30E-03	2.93E-06	9.76E-06	7.53E-06	3.32E-03
5014	485863.09	3863377.25	3.00E-03	2.66E-06	7.25E-06	7.32E-06	3.02E-03	3.13E-03	2.72E-02	6.61E-04	2.50E-04	3.12E-02	3.13E-03	3.11E-06	7.25E-06	7.32E-06	3.14E-03
5015	486363.09	3863377.25	2.93E-03	2.73E-06	7.25E-06	7.41E-06	2.95E-03	3.06E-03	2.79E-02	6.61E-04	2.53E-04	3.19E-02	3.05E-03	3.20E-06	7.25E-06	7.41E-06	3.07E-03
5016	486863.09	3863377.25	2.91E-03	2.71E-06	7.48E-06	7.19E-06	2.92E-03	3.03E-03	2.77E-02	6.83E-04	2.46E-04	3.16E-02	3.03E-03	3.17E-06	7.48E-06	7.19E-06	3.05E-03
5017	487363.09	3863377.25	2.98E-03	2.72E-06	9.44E-06	7.19E-06	3.00E-03	3.11E-03	2.78E-02	8.61E-04	2.46E-04	3.20E-02	3.10E-03	3.19E-06	9.44E-06	7.19E-06	3.12E-03
5018	487863.09	3863377.25	3.08E-03	2.73E-06	1.09E-05	7.62E-06	3.10E-03	3.22E-03	2.79E-02	9.91E-04	2.61E-04	3.24E-02	3.21E-03	3.20E-06	1.09E-05	7.62E-06	3.23E-03
5019	488363.09	3863377.25	3.10E-03	2.67E-06	1.00E-05	8.01E-06	3.12E-03	3.23E-03	2.72E-02	9.15E-04	2.74E-04	3.17E-02	3.23E-03	3.12E-06	1.00E-05	8.01E-06	3.25E-03
5020	488863.09	3863377.25	3.00E-03	2.65E-06	7.34E-06	7.51E-06	3.01E-03	3.13E-03	2.70E-02	6.69E-04	2.57E-04	3.11E-02	3.12E-03	3.10E-06	7.34E-06	7.51E-06	3.14E-03
5021	489363.09	3863377.25	2.95E-03	2.70E-06	6.80E-06	7.41E-06	2.97E-03	3.08E-03	2.76E-02	6.21E-04	2.53E-04	3.16E-02	3.07E-03	3.16E-06	6.80E-06	7.41E-06	3.09E-03
5022	489863.09	3863377.25	3.06E-03	2.74E-06	6.04E-06	7.53E-06	3.07E-03	3.19E-03	2.80E-02	5.51E-04	2.58E-04	3.20E-02	3.18E-03	3.21E-06	6.04E-06	7.53E-06	3.20E-03
5023	490363.09	3863377.25	3.17E-03	2.77E-06	6.00E-06	8.09E-06	3.18E-03	3.30E-03	2.83E-02	5.47E-04	2.77E-04	3.25E-02	3.30E-03	3.24E-06	6.00E-06	8.09E-06	3.31E-03
5024	490863.09	3863377.25	3.17E-03	2.85E-06	7.25E-06	8.42E-06	3.19E-03	3.31E-03	2.91E-02	6.61E-04	2.88E-04	3.34E-02	3.30E-03	3.34E-06	7.25E-06	8.42E-06	3.32E-03
5025	491363.09	3863377.25	3.20E-03	2.90E-06	9.29E-06	8.29E-06	3.22E-03	3.34E-03	2.97E-02	8.47E-04	2.83E-04	3.41E-02	3.33E-03	3.40E-06	9.29E-06	8.29E-06	3.35E-03
5026	491863.09	3863377.25	3.26E-03	2.91E-06	1.07E-05	8.20E-06	3.28E-03	3.40E-03	2.97E-02	9.75E-04	2.81E-04	3.44E-02	3.40E-03	3.40E-06	1.07E-05	8.20E-06	3.42E-03
5027	492363.09	3863377.25	3.26E-03	2.85E-06	1.12E-05	8.29E-06	3.28E-03	3.40E-03	2.91E-02	1.02E-03	2.83E-04	3.39E-02	3.40E-03	3.34E-06	1.12E-05	8.29E-06	3.42E-03
5028	492863.09	3863377.25	3.39E-03	2.79E-06	1.14E-05	8.33E-06	3.41E-03	3.53E-03	2.85E-02	1.04E-03	2.85E-04	3.33E-02	3.53E-03	3.26E-06	1.14E-05	8.33E-06	3.55E-03
5029	493363.09	3863377.25	3.61E-03	2.74E-06	1.19E-05	8.05E-06	3.64E-03	3.77E-03	2.80E-02	1.09E-03	2.75E-04	3.31E-02	3.76E-03	3.21E-06	1.19E-05	8.05E-06	3.79E-03
5030	493863.09	3863377.25	3.64E-03	2.77E-06	1.27E-05	8.07E-06	3.67E-03	3.80E-03	2.83E-02	1.16E-03	2.76E-04	3.35E-02	3.79E-03	3.24E-06	1.27E-05	8.07E-06	3.82E-03
5031	494363.09	3863377.25	3.45E-03	2.83E-06	1.21E-05	8.25E-06	3.48E-03	3.60E-03	2.89E-02	1.10E-03	2.82E-04	3.39E-02	3.60E-03	3.31E-06	1.21E-05	8.25E-06	3.62E-03
5032	494863.09	3863377.25	3.27E-03	2.86E-06	1.12E-05	8.42E-06	3.29E-03	3.41E-03	2.92E-02	1.02E-03	2.88E-04	3.39E-02	3.40E-03	3.34E-06	1.12E-05	8.42E-06	3.43E-03
5033	495363.09	3863377.25	3.18E-03	2.86E-06	1.07E-05	8.50E-06	3.21E-03	3.32E-03	2.92E-02	9.79E-04	2.91E-04	3.38E-02	3.31E-03	3.34E-06	1.07E-05	8.50E-06	3.34E-03
5034	495863.09	3863377.25	3.18E-03	2.84E-06	1.11E-05	8.52E-06	3.20E-03	3.32E-03	2.91E-02	1.01E-03	2.92E-04	3.37E-02	3.31E-03	3.33E-06	1.11E-05	8.52E-06	3.33E-03
5035	496363.09	3863377.25	3.08E-03	2.80E-06	1.09E-05	8.18E-06	3.10E-03	3.21E-03	2.86E-02	9.95E-04	2.80E-04	3.31E-02	3.21E-03	3.27E-06	1.09E-05	8.18E-06	3.23E-03
5036	496863.09	3863377.25	3.03E-03	2.69E-06	1.14E-05	8.01E-06	3.05E-03	3.16E-03	2.75E-02	1.04E-03	2.74E-04	3.20E-02	3.16E-03	3.15E-06	1.14E-05	8.01E-06	3.18E-03
5037	497363.09	3863377.25	3.06E-03	2.62E-06	1.16E-05	7.99E-06	3.08E-03	3.19E-03	2.68E-02	1.05E-03	2.73E-04	3.13E-02	3.19E-03	3.07E-06	1.16E-05	7.99E-06	3.21E-03
5038	497863.09	3863377.25	3.15E-03	2.55E-06	1.12E-05	7.99E-06	3.17E-03	3.28E-03	2.61E-02	1.02E-03	2.73E-04	3.06E-02	3.28E-03	2.99E-06	1.12E-05	7.99E-06	3.30E-03
5039	498363.09	3863377.25	3.25E-03	2.48E-06	1.05E-05	8.01E-06	3.28E-03	3.40E-03	2.53E-02	9.62E-04	2.74E-04	2.99E-02	3.39E-03	2.90E-06	1.05E-05	8.01E-06	3.41E-03
5040	471363.09	3863877.25	1.49E-03	6.04E-07	8.27E-06	5.55E-06	1.51E-03	1.56E-03	6.17E-03	7.54E-04	1.90E-04	8.67E-03	1.55E-03	7.07E-07	8.27E-06	5.55E-06	1.57E-03
5041	471863.09	3863877.25	1.53E-03	6.20E-07	8.44E-06	5.70E-06	1.54E-03	1.59E-03	6.34E-03	7.70E-04	1.95E-04	8.89E-03	1.59E-03	7.26E-07	8.44E-06	5.70E-06	1.60E-03
5042	472363.09	3863877.25	1.55E-03	6.46E-07	8.55E-06	5.81E-06	1.57E-03	1.62E-03	6.60E-03	7.80E-04	1.99E-04	9.20E-03	1.62E-03	7.55E-07	8.55E-06	5.81E-06	1.63E-03
5043	472863.09	3863877.25	1.58E-03	6.72E-07	8.53E-06	5.92E-06	1.59E-03	1.65E-03	6.87E-03	7.78E-04	2.02E-04	9.49E-03	1.64E-03	7.86E-07	8.53E-06	5.92E-06	1.66E-03
5044	473363.09	3863877.25	1.59E-03	7.04E-07	8.48E-06	6.03E-06	1.61E-03	1.66E-03	7.20E-03	7.74E-04	2.06E-04	9.84E-03	1.66E-03	8.24E-07	8.48E-06	6.03E-06	1.67E-03
5045	473863.09	3863877.25	1.61E-03	7.34E-07	8.33E-06	6.11E-06	1.62E-03	1.68E-03	7.50E-03	7.60E-04	2.09E-04	1.01E-02	1.68E-03	8.58E-07	8.33E-06	6.11E-06	1.69E-03
5046	474363.09	3863877.25	1.62E-03	7.71E-07	8.31E-06	6.20E-06	1.64E-03	1.69E-03	7.88E-03	7.58E-04	2.12E-04	1.05E-02	1.69E-03	9.02E-07	8.31E-06	6.20E-06	1.71E-03
5047	474863.09	3863877.25	1.64E-03	8.17E-07	8.50E-06	6.24E-06	1.66E-03	1.71E-03	8.35E-03	7.76E-04	2.14E-04	1.11E-02	1.71E-03	9.56E-07	8.50E-06	6.24E-06	1.73E-03
5048	475363.09	3863877.25	1.68E-03	8.60E-07	8.70E-06	6.26E-06	1.70E-03	1.76E-03	8.79E-03	7.93E-04	2.14E-04	1.16E-02	1.75E-03	1.01E-06	8.70E-06	6.26E-06	1.77E-03
5049	475863.09	3863877.25	1.73E-03	9.15E-07	9.23E-06	6.29E-06	1.75E-03	1.81E-03	9.35E-03	8.42E-04	2.15E-04	1.22E-02	1.80E-03	1.07E-06	9.23E-06	6.29E-06	1.82E-03
5050	476363.09	3863877.25	1.80E-03	9.64E-07	9.70E-06	6.33E-06	1.82E-03	1.88E-03	9.85E-03	8.84E-04	2.16E-04	1.28E-02	1.88E-03	1.13E-06	9.70E-06	6.33E-06	1.89E-03
5051	476863.09	3863877.25	1.88E-03	1.02E-06	1.02E-05	6.42E-06	1.90E-03	1.97E-03	1.04E-02	9.27E-04	2.19E-04	1.35E-02	1.96E-03	1.19E-06	1.02E-05	6.42E-06	1.98E-03
5052	477363.09	3863877.25	1.99E-03	1.06E-06	1.03E-05	6.57E-06	2.01E-03	2.08E-03	1.09E-02	9.42E-04	2.25E-04	1.41E-02	2.07E-03	1.24E-06	1.03E-05	6.57E-06	2.09E-03
5053	477863.09	3863877.25	2.10E-03	1.09E-06	1.03E-05	6.74E-06	2.12E-03	2.20E-03	1.11E-02	9.42E-04	2.30E-04	1.45E-02	2.19E-03	1.27E-06	1.03E-05	6.74E-06	2.21E-03
5054	478363.09	3863877.25	2.20E-03	1.04E-06	1.06E-05	7.04E-06	2.21E-03	2.29E-03	1.06E-02	9.70E-04	2.41E-04	1.41E-02	2.29E-03	1.22E-06	1.06E-05	7.04E-06	2.30E-03
5055	478863.09	3863877.25	2.29E-03	1.21E-06	1.06E-05	6.95E-06	2.31E-03	2.39E-03	1.23E-02	9.70E-04	2.38E-04	1.59E-02	2.38E-03	1.41E-06	1.06E-05	6.95E-06	2.40E-03
5056	479363.09	3863877.25	2.39E-03	1.30E-06	1.09E-05	7.21E-06	2.41E-03	2.50E-03	1.33E-02	9.91E-04	2.47E-04	1.70E-02	2.49E-03	1.52E-06	1.09E-05	7.21E-06	2.51E-03
5057	479863.09	3863877.25	2.52E-03	1.37E-06	1.09E-05	7.49E-06	2.54E-03	2.63E-03	1.40E-02	9.99E-04	2.56E-04	1.79E-02	2.63E-03	1.61E-06	1.09E-05	7.49E-06	2.65E-03
5058	480363.09	3863877.25	2.67E-03	1.43E-06	1.09E-05	7.56E-06	2.69E-03	2.78E-03	1.47E-02	9.99E-04	2.58E-04	1.87E-02	2.78E-03	1.68E-06	1.09E-05	7.56E-06	2.80E-03
5059	480863.09	3863877.25	2.79E-03	1.49E-06	1.07E-05	7.49E-06	2.81E-03	2.91E-03	1.52E-02	9.79E-04	2.56E-04	1.94E-02	2.91E-03	1.74E-06	1.07E-05	7.49E-06	2.93E-03

5060	481363.09	3863877.25	2.83E-03	1.55E-06	9.95E-06	7.41E-06	2.85E-03	2.95E-03	1.58E-02	9.07E-04	2.53E-04	1.99E-02	2.95E-03	1.81E-06	9.95E-06	7.41E-06	2.97E-03
5061	481863.09	3863877.25	2.85E-03	1.61E-06	9.12E-06	7.41E-06	2.87E-03	2.97E-03	1.65E-02	8.32E-04	2.53E-04	2.05E-02	2.96E-03	1.88E-06	9.12E-06	7.41E-06	2.98E-03
5062	482363.09	3863877.25	2.94E-03	1.68E-06	8.70E-06	7.53E-06	2.95E-03	3.06E-03	1.71E-02	7.93E-04	2.58E-04	2.13E-02	3.06E-03	1.96E-06	8.70E-06	7.53E-06	3.08E-03
5063	482863.09	3863877.25	3.00E-03	1.75E-06	8.27E-06	7.69E-06	3.01E-03	3.13E-03	1.78E-02	7.54E-04	2.63E-04	2.20E-02	3.12E-03	2.04E-06	8.27E-06	7.69E-06	3.14E-03
5064	483363.09	3863877.25	2.98E-03	1.82E-06	7.65E-06	7.81E-06	2.99E-03	3.11E-03	1.86E-02	6.98E-04	2.67E-04	2.27E-02	3.10E-03	2.13E-06	7.65E-06	7.81E-06	3.12E-03
5065	483863.09	3863877.25	2.94E-03	1.90E-06	7.57E-06	7.84E-06	2.96E-03	3.07E-03	1.94E-02	6.90E-04	2.68E-04	2.34E-02	3.07E-03	2.22E-06	7.57E-06	7.84E-06	3.08E-03
5066	484363.09	3863877.25	2.95E-03	1.97E-06	9.23E-06	7.60E-06	2.97E-03	3.08E-03	2.01E-02	8.42E-04	2.60E-04	2.43E-02	3.07E-03	2.31E-06	9.23E-06	7.60E-06	3.09E-03
5067	484863.09	3863877.25	2.96E-03	2.06E-06	1.03E-05	7.13E-06	2.98E-03	3.09E-03	2.10E-02	9.40E-04	2.44E-04	2.53E-02	3.08E-03	2.40E-06	1.03E-05	7.13E-06	3.10E-03
5068	485363.09	3863877.25	2.83E-03	2.17E-06	7.97E-06	6.74E-06	2.84E-03	2.95E-03	2.21E-02	7.27E-04	2.30E-04	2.60E-02	2.94E-03	2.53E-06	7.97E-06	6.74E-06	2.96E-03
5069	485863.09	3863877.25	2.70E-03	2.29E-06	6.68E-06	6.78E-06	2.71E-03	2.82E-03	2.33E-02	6.09E-04	2.32E-04	2.70E-02	2.81E-03	2.67E-06	6.68E-06	6.78E-06	2.83E-03
5070	486363.09	3863877.25	2.61E-03	2.28E-06	6.85E-06	6.70E-06	2.63E-03	2.73E-03	2.33E-02	6.24E-04	2.29E-04	2.68E-02	2.72E-03	2.66E-06	6.85E-06	6.70E-06	2.74E-03
5071	486863.09	3863877.25	2.58E-03	2.26E-06	7.19E-06	6.46E-06	2.60E-03	2.69E-03	2.31E-02	6.55E-04	2.21E-04	2.67E-02	2.69E-03	2.65E-06	7.19E-06	6.46E-06	2.70E-03
5072	487363.09	3863877.25	2.64E-03	2.24E-06	9.12E-06	6.48E-06	2.66E-03	2.76E-03	2.29E-02	8.32E-04	2.22E-04	2.67E-02	2.75E-03	2.62E-06	9.12E-06	6.48E-06	2.77E-03
5073	487863.09	3863877.25	2.75E-03	2.24E-06	1.02E-05	6.85E-06	2.77E-03	2.87E-03	2.29E-02	9.35E-04	2.34E-04	2.70E-02	2.87E-03	2.63E-06	1.02E-05	6.85E-06	2.89E-03
5074	488363.09	3863877.25	2.80E-03	2.21E-06	9.48E-06	7.15E-06	2.82E-03	2.92E-03	2.26E-02	8.65E-04	2.44E-04	2.66E-02	2.91E-03	2.59E-06	9.48E-06	7.15E-06	2.93E-03
5075	488863.09	3863877.25	2.73E-03	2.19E-06	7.00E-06	6.67E-06	2.74E-03	2.85E-03	2.23E-02	6.38E-04	2.28E-04	2.61E-02	2.84E-03	2.56E-06	7.00E-06	6.67E-06	2.86E-03
5076	489363.09	3863877.25	2.64E-03	2.22E-06	6.42E-06	6.57E-06	2.65E-03	2.75E-03	2.27E-02	5.86E-04	2.25E-04	2.63E-02	2.74E-03	2.60E-06	6.42E-06	6.57E-06	2.76E-03
5077	489863.09	3863877.25	2.68E-03	2.27E-06	5.93E-06	6.59E-06	2.69E-03	2.79E-03	2.32E-02	5.41E-04	2.25E-04	2.67E-02	2.79E-03	2.65E-06	5.93E-06	6.59E-06	2.80E-03
5078	490363.09	3863877.25	2.80E-03	2.28E-06	5.36E-06	7.00E-06	2.82E-03	2.92E-03	2.33E-02	4.89E-04	2.39E-04	2.69E-02	2.92E-03	2.66E-06	5.36E-06	7.00E-06	2.93E-03
5079	490863.09	3863877.25	2.85E-03	2.32E-06	5.97E-06	7.45E-06	2.87E-03	2.97E-03	2.37E-02	5.45E-04	2.55E-04	2.74E-02	2.97E-03	2.71E-06	5.97E-06	7.45E-06	2.99E-03
5080	491363.09	3863877.25	2.83E-03	2.37E-06	7.46E-06	7.53E-06	2.85E-03	2.95E-03	2.42E-02	6.81E-04	2.58E-04	2.81E-02	2.94E-03	2.77E-06	7.46E-06	7.53E-06	2.96E-03
5081	491863.09	3863877.25	2.97E-03	2.44E-06	9.61E-06	7.71E-06	2.99E-03	3.10E-03	2.50E-02	8.76E-04	2.64E-04	2.92E-02	3.09E-03	2.86E-06	9.61E-06	7.71E-06	3.11E-03
5082	492363.09	3863877.25	3.09E-03	2.44E-06	1.11E-05	7.66E-06	3.11E-03	3.22E-03	2.49E-02	1.02E-03	2.62E-04	2.94E-02	3.22E-03	2.85E-06	1.11E-05	7.66E-06	3.24E-03
5083	492863.09	3863877.25	3.06E-03	2.24E-06	1.11E-05	7.71E-06	3.08E-03	3.19E-03	2.29E-02	1.01E-03	2.64E-04	2.74E-02	3.18E-03	2.62E-06	1.11E-05	7.71E-06	3.21E-03
5084	493363.09	3863877.25	3.11E-03	2.16E-06	1.06E-05	7.43E-06	3.13E-03	3.25E-03	2.21E-02	9.66E-04	2.54E-04	2.66E-02	3.24E-03	2.53E-06	1.06E-05	7.43E-06	3.26E-03
5085	493863.09	3863877.25	3.27E-03	2.17E-06	1.06E-05	7.13E-06	3.29E-03	3.41E-03	2.22E-02	9.64E-04	2.44E-04	2.68E-02	3.40E-03	2.54E-06	1.06E-05	7.13E-06	3.43E-03
5086	494363.09	3863877.25	3.30E-03	2.23E-06	1.17E-05	7.10E-06	3.32E-03	3.44E-03	2.28E-02	1.07E-03	2.43E-04	2.75E-02	3.44E-03	2.61E-06	1.17E-05	7.10E-06	3.46E-03
5087	494863.09	3863877.25	3.17E-03	2.29E-06	1.20E-05	7.23E-06	3.19E-03	3.31E-03	2.34E-02	1.10E-03	2.47E-04	2.81E-02	3.30E-03	2.68E-06	1.20E-05	7.23E-06	3.33E-03
5088	495363.09	3863877.25	3.00E-03	2.34E-06	1.11E-05	7.38E-06	3.02E-03	3.13E-03	2.39E-02	1.01E-03	2.53E-04	2.83E-02	3.12E-03	2.74E-06	1.11E-05	7.38E-06	3.14E-03
5089	495863.09	3863877.25	2.88E-03	2.36E-06	1.02E-05	7.47E-06	2.90E-03	3.01E-03	2.41E-02	9.33E-04	2.55E-04	2.83E-02	3.00E-03	2.76E-06	1.02E-05	7.47E-06	3.02E-03
5090	496363.09	3863877.25	2.81E-03	2.39E-06	9.61E-06	7.62E-06	2.83E-03	2.94E-03	2.45E-02	8.76E-04	2.61E-04	2.85E-02	2.93E-03	2.80E-06	9.61E-06	7.62E-06	2.95E-03
5091	496863.09	3863877.25	2.78E-03	2.38E-06	9.80E-06	7.36E-06	2.80E-03	2.90E-03	2.43E-02	8.94E-04	2.52E-04	2.84E-02	2.90E-03	2.78E-06	9.80E-06	7.36E-06	2.92E-03
5092	497363.09	3863877.25	2.76E-03	2.34E-06	1.03E-05	7.21E-06	2.78E-03	2.88E-03	2.39E-02	9.42E-04	2.47E-04	2.80E-02	2.87E-03	2.74E-06	1.03E-05	7.21E-06	2.89E-03
5093	497863.09	3863877.25	2.75E-03	2.29E-06	1.08E-05	7.15E-06	2.77E-03	2.87E-03	2.34E-02	9.81E-04	2.44E-04	2.75E-02	2.87E-03	2.68E-06	1.08E-05	7.15E-06	2.89E-03
5094	498363.09	3863877.25	2.78E-03	2.22E-06	1.07E-05	7.06E-06	2.80E-03	2.90E-03	2.27E-02	9.73E-04	2.41E-04	2.68E-02	2.89E-03	2.60E-06	1.07E-05	7.06E-06	2.91E-03
5095	471363.09	3864377.25	1.40E-03	5.83E-07	7.99E-06	5.51E-06	1.41E-03	1.46E-03	5.96E-03	7.29E-04	1.88E-04	8.34E-03	1.46E-03	6.82E-07	7.99E-06	5.51E-06	1.47E-03
5096	471863.09	3864377.25	1.42E-03	6.02E-07	7.93E-06	5.60E-06	1.43E-03	1.48E-03	6.15E-03	7.23E-04	1.91E-04	8.55E-03	1.48E-03	7.05E-07	7.93E-06	5.60E-06	1.49E-03
5097	472363.09	3864377.25	1.43E-03	6.27E-07	7.82E-06	5.66E-06	1.45E-03	1.49E-03	6.41E-03	7.14E-04	1.94E-04	8.81E-03	1.49E-03	7.34E-07	7.82E-06	5.66E-06	1.50E-03
5098	472863.09	3864377.25	1.44E-03	6.53E-07	7.70E-06	5.75E-06	1.46E-03	1.50E-03	6.68E-03	7.02E-04	1.97E-04	9.08E-03	1.50E-03	7.64E-07	7.70E-06	5.75E-06	1.51E-03
5099	473363.09	3864377.25	1.45E-03	6.87E-07	7.76E-06	5.81E-06	1.46E-03	1.51E-03	7.02E-03	7.08E-04	1.99E-04	9.44E-03	1.51E-03	8.04E-07	7.76E-06	5.81E-06	1.52E-03
5100	473863.09	3864377.25	1.46E-03	7.22E-07	7.93E-06	5.88E-06	1.48E-03	1.53E-03	7.38E-03	7.23E-04	2.01E-04	9.83E-03	1.52E-03	8.45E-07	7.93E-06	5.88E-06	1.54E-03
5101	474363.09	3864377.25	1.50E-03	7.58E-07	8.19E-06	5.90E-06	1.51E-03	1.56E-03	7.75E-03	7.47E-04	2.02E-04	1.03E-02	1.56E-03	8.87E-07	8.19E-06	5.90E-06	1.57E-03
5102	474863.09	3864377.25	1.53E-03	8.03E-07	8.61E-06	5.94E-06	1.55E-03	1.60E-03	8.21E-03	7.85E-04	2.03E-04	1.08E-02	1.59E-03	9.40E-07	8.61E-06	5.94E-06	1.61E-03
5103	475363.09	3864377.25	1.58E-03	8.45E-07	9.12E-06	5.94E-06	1.60E-03	1.65E-03	8.63E-03	8.32E-04	2.03E-04	1.13E-02	1.65E-03	9.89E-07	9.12E-06	5.94E-06	1.66E-03
5104	475863.09	3864377.25	1.64E-03	8.87E-07	9.48E-06	5.98E-06	1.65E-03	1.71E-03	9.06E-03	8.65E-04	2.05E-04	1.18E-02	1.71E-03	1.04E-06	9.48E-06	5.98E-06	1.72E-03
5105	476363.09	3864377.25	1.71E-03	9.22E-07	9.74E-06	6.05E-06	1.73E-03	1.79E-03	9.42E-03	8.88E-04	2.07E-04	1.23E-02	1.78E-03	1.08E-06	9.74E-06	6.05E-06	1.80E-03
5106	476863.09	3864377.25	1.80E-03	9.58E-07	9.82E-06	6.14E-06	1.81E-03	1.87E-03	9.79E-03	8.96E-04	2.10E-04	1.28E-02	1.87E-03	1.12E-06	9.82E-06	6.14E-06	1.89E-03
5107	477363.09	3864377.25	1.88E-03	1.01E-06	9.84E-06	6.26E-06	1.89E-03	1.96E-03	1.03E-02	8.98E-04	2.14E-04	1.34E-02	1.95E-03	1.18E-06	9.84E-06	6.26E-06	1.97E-03
5108	477863.09	3864377.25	1.95E-03	1.06E-06	9.87E-06	6.37E-06	1.97E-03	2.04E-03	1.08E-02	9.00E-04	2.18E-04	1.40E-02	2.03E-03	1.24E-06	9.87E-06	6.37E-06	2.05E-03
5109	478363.09	3864377.25	2.03E-03	1.11E-06	9.95E-06	6.52E-06	2.05E-03	2.12E-03	1.13E-02	9.07E-04	2.23E-04	1.46E-02	2.11E-03	1.30E-06	9.95E-06	6.52E-06	2.13E-03
5110	478863.09	3864377.25	2.12E-03	1.16E-06	1.01E-05	6.78E-06	2.14E-03	2.22E-03	1.19E-02	9.19E-04	2.32E-04	1.52E-02	2.21E-03	1.36E-06	1.01E-05	6.78E-06	2.23E-03
5111	479363.09	3864377.25	2.24E-03	1.21E-06	1.01E-05	7.04E-06	2.26E-03	2.33E-03	1.24E-02	9.25E-04	2.41E-04	1.59E-02	2.33E-03	1.42E-06	1.01E-05	7.04E-06	2.35E-03
5112	479863.09	3864377.25	2.37E-03	1.26E-06	1.02E-05	7.15E-06	2.39E-03	2.47E-03	1.28E-02	9.29E-04	2.44E-04	1.65E-02	2.47E-03	1.47E-06	1.02E-05	7.15E-06	2.49E-03
5113	480363.09	3864377.25	2.50E-03	1.30E-06	9.89E-06	7.08E-06	2.51E-03	2.60E-03	1.32E-02	9.02E-04	2.42E-04	1.70E-02	2.60E-03	1.52E-06	9.89E-06	7.08E-06	2.62E-03
5114	480863.09	3864377.25	2.54E-03	1.34E-06	9.04E-06	6.89E-06	2.56E-03	2.65E-03	1.37E-02	8.24E-04	2.36E-04	1.74E-02	2.65E-03	1.56E-06	9.04E-06	6.89E-06	2.67E-03
5115	481363.09	3864377.25	2.55E-03	1.38E-06	8.33E-06	6.78E-06	2.57E-03	2.66E-03	1.41E-02	7.60E-04	2.32E-04	1.78E-02	2.66E-03	1.61E-06	8.33E-06	6.78E-06	2.67E-03
5116	481863.09	3864377.25	2.59E-03	1.44E-06	7.95E-06	6.80E-06	2.60E-03	2.70E-03	1.47E-02	7.25E-04	2.33E-04	1.83E-02	2.70E-03	1.68E-06	7.95E-06	6.80E-06	2.71E-03
5117	482363.09	3864377.25	2.66E-03	1.50E-06	7.63E-06	6.89E-06	2.67E-03	2.77E-03	1.53E-02	6.96E-04	2.36E-04	1.90E-02	2.77E-03	1.75E-06	7.63E-06	6.89E-06	2.78E-03
5118	482863.09	3864377.25	2.69E-03	1.56E-06	7.14E-06	6.97E-06	2.70E-03	2.80E-03	1.60E-02	6.52E-04	2.39E-04	1.97E-02	2.80E-03	1.83E-06	7.14E-06	6.97E-06	2.81E-03
5119	483363.09	3864377.25	2.65E-03	1.63E-06	6.85E-06	7.02E-06	2.66E-03	2.76E-03	1.66E-02	6.24E-04	2.40E-04	2.03E-02	2.76E-03	1.91E-06	6.85E-06	7.02E-06	2.77E-03
5120	483863.09	3864377.25	2.63E-03	1.69E-06	7.99E-06	7.06E-06	2.64E-03	2.74E-03	1.73E-02	7.29E-04	2.41E-04	2.10E-02	2.74E-03	1.98E-06	7.99E-06	7.06E-06	2.75E-03

5121	484363.09	3864377.25	2.67E-03	1.74E-06	9.89E-06	6.82E-06	2.68E-03	2.78E-03	1.78E-02	9.02E-04	2.33E-04	2.17E-02	2.78E-03	2.03E-06	9.89E-06	6.82E-06	2.79E-03
5122	484863.09	3864377.25	2.66E-03	1.80E-06	8.95E-06	6.37E-06	2.67E-03	2.77E-03	1.84E-02	8.16E-04	2.18E-04	2.22E-02	2.77E-03	2.10E-06	8.95E-06	6.37E-06	2.78E-03
5123	485363.09	3864377.25	2.53E-03	1.90E-06	6.63E-06	6.24E-06	2.54E-03	2.64E-03	1.94E-02	6.05E-04	2.14E-04	2.28E-02	2.63E-03	2.22E-06	6.63E-06	6.24E-06	2.65E-03
5124	485863.09	3864377.25	2.42E-03	1.95E-06	6.44E-06	6.29E-06	2.44E-03	2.53E-03	2.00E-02	5.88E-04	2.15E-04	2.33E-02	2.52E-03	2.29E-06	6.44E-06	6.29E-06	2.54E-03
5125	486363.09	3864377.25	2.35E-03	1.93E-06	6.38E-06	6.05E-06	2.36E-03	2.45E-03	1.97E-02	5.82E-04	2.07E-04	2.30E-02	2.45E-03	2.26E-06	6.38E-06	6.05E-06	2.46E-03
5126	486863.09	3864377.25	2.31E-03	1.93E-06	7.00E-06	5.96E-06	2.32E-03	2.41E-03	1.97E-02	6.38E-04	2.04E-04	2.30E-02	2.40E-03	2.26E-06	7.00E-06	5.96E-06	2.42E-03
5127	487363.09	3864377.25	2.36E-03	1.89E-06	8.82E-06	5.98E-06	2.38E-03	2.47E-03	1.93E-02	8.05E-04	2.05E-04	2.28E-02	2.46E-03	2.22E-06	8.82E-06	5.98E-06	2.48E-03
5128	487863.09	3864377.25	2.48E-03	1.89E-06	9.70E-06	6.29E-06	2.49E-03	2.58E-03	1.93E-02	8.84E-04	2.15E-04	2.30E-02	2.58E-03	2.21E-06	9.70E-06	6.29E-06	2.60E-03
5129	488363.09	3864377.25	2.53E-03	1.87E-06	8.97E-06	6.46E-06	2.55E-03	2.64E-03	1.91E-02	8.18E-04	2.21E-04	2.28E-02	2.64E-03	2.18E-06	8.97E-06	6.46E-06	2.65E-03
5130	488863.09	3864377.25	2.50E-03	1.85E-06	6.72E-06	6.05E-06	2.51E-03	2.61E-03	1.89E-02	6.13E-04	2.07E-04	2.24E-02	2.60E-03	2.17E-06	6.72E-06	6.05E-06	2.62E-03
5131	489363.09	3864377.25	2.40E-03	1.87E-06	6.04E-06	5.90E-06	2.41E-03	2.50E-03	1.92E-02	5.51E-04	2.02E-04	2.24E-02	2.50E-03	2.19E-06	6.04E-06	5.90E-06	2.51E-03
5132	489863.09	3864377.25	2.38E-03	1.91E-06	5.89E-06	5.92E-06	2.39E-03	2.48E-03	1.95E-02	5.37E-04	2.02E-04	2.27E-02	2.48E-03	2.23E-06	5.89E-06	5.92E-06	2.49E-03
5133	490363.09	3864377.25	2.47E-03	1.92E-06	5.06E-06	6.16E-06	2.49E-03	2.58E-03	1.97E-02	4.61E-04	2.11E-04	2.29E-02	2.58E-03	2.25E-06	5.06E-06	6.16E-06	2.59E-03
5134	490863.09	3864377.25	2.59E-03	1.95E-06	5.19E-06	6.63E-06	2.61E-03	2.71E-03	1.99E-02	4.73E-04	2.27E-04	2.33E-02	2.70E-03	2.28E-06	5.19E-06	6.63E-06	2.71E-03
5135	491363.09	3864377.25	2.68E-03	1.98E-06	6.51E-06	7.15E-06	2.70E-03	2.80E-03	2.02E-02	5.93E-04	2.44E-04	2.39E-02	2.79E-03	2.32E-06	6.51E-06	7.15E-06	2.81E-03
5136	491863.09	3864377.25	1.98E-03	7.57E-07	7.27E-06	7.02E-06	2.00E-03	2.07E-03	7.73E-03	6.63E-04	2.40E-04	1.07E-02	2.07E-03	8.86E-07	7.27E-06	7.02E-06	2.08E-03
5137	492363.09	3864377.25	2.78E-03	1.55E-06	9.93E-06	7.84E-06	2.80E-03	2.90E-03	1.59E-02	9.06E-04	2.68E-04	2.00E-02	2.89E-03	1.82E-06	9.93E-06	7.84E-06	2.91E-03
5138	492863.09	3864377.25	2.47E-03	1.06E-06	1.27E-05	7.21E-06	2.49E-03	2.57E-03	1.08E-02	1.16E-03	2.47E-04	1.48E-02	2.57E-03	1.23E-06	1.27E-05	7.21E-06	2.59E-03
5139	493363.09	3864377.25	2.57E-03	1.49E-06	1.42E-05	7.49E-06	2.59E-03	2.68E-03	1.53E-02	1.29E-03	2.56E-04	1.95E-02	2.67E-03	1.75E-06	1.42E-05	7.49E-06	2.70E-03
5140	493863.09	3864377.25	2.75E-03	1.70E-06	1.00E-05	6.89E-06	2.77E-03	2.87E-03	1.74E-02	9.15E-04	2.36E-04	2.14E-02	2.87E-03	1.99E-06	1.00E-05	6.89E-06	2.89E-03
5141	494363.09	3864377.25	2.95E-03	1.79E-06	9.67E-06	6.50E-06	2.97E-03	3.08E-03	1.83E-02	8.82E-04	2.22E-04	2.25E-02	3.07E-03	2.09E-06	9.67E-06	6.50E-06	3.09E-03
5142	494863.09	3864377.25	2.99E-03	1.85E-06	1.07E-05	6.39E-06	3.01E-03	3.12E-03	1.89E-02	9.77E-04	2.19E-04	2.33E-02	3.11E-03	2.17E-06	1.07E-05	6.39E-06	3.13E-03
5143	495363.09	3864377.25	2.89E-03	1.90E-06	1.11E-05	6.48E-06	2.91E-03	3.02E-03	1.94E-02	1.02E-03	2.22E-04	2.37E-02	3.01E-03	2.23E-06	1.11E-05	6.48E-06	3.03E-03
5144	495863.09	3864377.25	2.74E-03	1.95E-06	1.04E-05	6.63E-06	2.75E-03	2.85E-03	1.99E-02	9.50E-04	2.27E-04	2.40E-02	2.85E-03	2.28E-06	1.04E-05	6.63E-06	2.87E-03
5145	496363.09	3864377.25	2.61E-03	1.99E-06	9.50E-06	6.78E-06	2.63E-03	2.72E-03	2.04E-02	8.67E-04	2.32E-04	2.42E-02	2.72E-03	2.33E-06	9.50E-06	6.78E-06	2.73E-03
5146	496863.09	3864377.25	2.55E-03	2.02E-06	8.99E-06	6.89E-06	2.57E-03	2.66E-03	2.06E-02	8.20E-04	2.36E-04	2.44E-02	2.66E-03	2.36E-06	8.99E-06	6.89E-06	2.68E-03
5147	497363.09	3864377.25	2.53E-03	2.04E-06	8.97E-06	6.80E-06	2.55E-03	2.64E-03	2.08E-02	8.18E-04	2.33E-04	2.45E-02	2.64E-03	2.39E-06	8.97E-06	6.80E-06	2.65E-03
5148	497863.09	3864377.25	2.55E-03	2.04E-06	9.67E-06	6.85E-06	2.57E-03	2.66E-03	2.09E-02	8.82E-04	2.34E-04	2.46E-02	2.65E-03	2.39E-06	9.67E-06	6.85E-06	2.67E-03
5149	498363.09	3864377.25	2.51E-03	2.01E-06	9.91E-06	6.52E-06	2.53E-03	2.62E-03	2.05E-02	9.04E-04	2.23E-04	2.43E-02	2.61E-03	2.35E-06	9.91E-06	6.52E-06	2.63E-03
5150	471363.09	3864877.25	1.29E-03	5.68E-07	7.27E-06	5.34E-06	1.31E-03	1.35E-03	5.80E-03	6.63E-04	1.83E-04	7.99E-03	1.35E-03	6.64E-07	7.27E-06	5.34E-06	1.36E-03
5151	471863.09	3864877.25	1.30E-03	5.89E-07	7.19E-06	5.40E-06	1.31E-03	1.35E-03	6.01E-03	6.55E-04	1.85E-04	8.21E-03	1.35E-03	6.89E-07	7.19E-06	5.40E-06	1.36E-03
5152	472363.09	3864877.25	1.30E-03	6.13E-07	7.19E-06	5.47E-06	1.32E-03	1.36E-03	6.27E-03	6.55E-04	1.87E-04	8.47E-03	1.36E-03	7.17E-07	7.19E-06	5.47E-06	1.37E-03
5153	472863.09	3864877.25	1.32E-03	6.42E-07	7.34E-06	5.51E-06	1.33E-03	1.37E-03	6.56E-03	6.69E-04	1.88E-04	8.79E-03	1.37E-03	7.51E-07	7.34E-06	5.51E-06	1.38E-03
5154	473363.09	3864877.25	1.33E-03	6.76E-07	7.72E-06	5.58E-06	1.35E-03	1.39E-03	6.90E-03	7.04E-04	1.91E-04	9.19E-03	1.39E-03	7.91E-07	7.72E-06	5.58E-06	1.40E-03
5155	473863.09	3864877.25	1.37E-03	7.10E-07	8.02E-06	5.62E-06	1.38E-03	1.43E-03	7.25E-03	7.31E-04	1.92E-04	9.60E-03	1.42E-03	8.30E-07	8.02E-06	5.62E-06	1.44E-03
5156	474363.09	3864877.25	1.41E-03	7.45E-07	8.42E-06	5.64E-06	1.42E-03	1.47E-03	7.61E-03	7.68E-04	1.93E-04	1.00E-02	1.46E-03	8.71E-07	8.42E-06	5.64E-06	1.48E-03
5157	474863.09	3864877.25	1.45E-03	7.79E-07	8.74E-06	5.66E-06	1.47E-03	1.51E-03	7.95E-03	7.97E-04	1.94E-04	1.05E-02	1.51E-03	9.11E-07	8.74E-06	5.66E-06	1.53E-03
5158	475363.09	3864877.25	1.50E-03	8.09E-07	8.93E-06	5.66E-06	1.51E-03	1.56E-03	8.26E-03	8.14E-04	1.94E-04	1.08E-02	1.56E-03	9.46E-07	8.93E-06	5.66E-06	1.58E-03
5159	475863.09	3864877.25	1.55E-03	8.38E-07	8.97E-06	5.70E-06	1.57E-03	1.62E-03	8.56E-03	8.18E-04	1.95E-04	1.12E-02	1.62E-03	9.80E-07	8.97E-06	5.70E-06	1.63E-03
5160	476363.09	3864877.25	1.62E-03	8.69E-07	9.04E-06	5.77E-06	1.64E-03	1.69E-03	8.88E-03	8.24E-04	1.97E-04	1.16E-02	1.69E-03	1.02E-06	9.04E-06	5.77E-06	1.70E-03
5161	476863.09	3864877.25	1.70E-03	9.04E-07	9.23E-06	5.86E-06	1.72E-03	1.78E-03	9.24E-03	8.42E-04	2.00E-04	1.21E-02	1.77E-03	1.06E-06	9.23E-06	5.86E-06	1.79E-03
5162	477363.09	3864877.25	1.77E-03	9.48E-07	9.19E-06	6.01E-06	1.78E-03	1.84E-03	9.68E-03	8.38E-04	2.05E-04	1.26E-02	1.84E-03	1.11E-06	9.19E-06	6.01E-06	1.86E-03
5163	477863.09	3864877.25	1.83E-03	9.93E-07	9.25E-06	6.16E-06	1.84E-03	1.91E-03	1.01E-02	8.43E-04	2.11E-04	1.31E-02	1.90E-03	1.16E-06	9.25E-06	6.16E-06	1.92E-03
5164	478363.09	3864877.25	1.90E-03	1.04E-06	9.36E-06	6.37E-06	1.92E-03	1.98E-03	1.06E-02	8.53E-04	2.18E-04	1.37E-02	1.98E-03	1.21E-06	9.36E-06	6.37E-06	2.00E-03
5165	478863.09	3864877.25	2.00E-03	1.08E-06	9.46E-06	6.59E-06	2.02E-03	2.09E-03	1.10E-02	8.63E-04	2.25E-04	1.42E-02	2.08E-03	1.26E-06	9.46E-06	6.59E-06	2.10E-03
5166	479363.09	3864877.25	2.11E-03	1.11E-06	9.42E-06	6.70E-06	2.13E-03	2.20E-03	1.13E-02	8.59E-04	2.29E-04	1.46E-02	2.20E-03	1.30E-06	9.42E-06	6.70E-06	2.22E-03
5167	479863.09	3864877.25	2.22E-03	1.13E-06	8.99E-06	6.63E-06	2.24E-03	2.31E-03	1.16E-02	8.20E-04	2.27E-04	1.49E-02	2.31E-03	1.33E-06	8.99E-06	6.63E-06	2.33E-03
5168	480363.09	3864877.25	2.30E-03	1.16E-06	8.33E-06	6.48E-06	2.32E-03	2.40E-03	1.19E-02	7.60E-04	2.22E-04	1.53E-02	2.39E-03	1.36E-06	8.33E-06	6.48E-06	2.41E-03
5169	480863.09	3864877.25	2.31E-03	1.20E-06	7.68E-06	6.31E-06	2.33E-03	2.42E-03	1.23E-02	7.00E-04	2.16E-04	1.56E-02	2.41E-03	1.40E-06	7.68E-06	6.31E-06	2.43E-03
5170	481363.09	3864877.25	2.32E-03	1.25E-06	7.31E-06	6.24E-06	2.34E-03	2.42E-03	1.28E-02	6.67E-04	2.14E-04	1.61E-02	2.42E-03	1.46E-06	7.31E-06	6.24E-06	2.43E-03
5171	481863.09	3864877.25	2.36E-03	1.30E-06	7.04E-06	6.22E-06	2.37E-03	2.46E-03	1.33E-02	6.42E-04	2.13E-04	1.66E-02	2.46E-03	1.52E-06	7.04E-06	6.22E-06	2.47E-03
5172	482363.09	3864877.25	2.41E-03	1.36E-06	6.68E-06	6.24E-06	2.42E-03	2.51E-03	1.38E-02	6.09E-04	2.14E-04	1.72E-02	2.51E-03	1.59E-06	6.68E-06	6.24E-06	2.52E-03
5173	482863.09	3864877.25	2.42E-03	1.41E-06	6.36E-06	6.31E-06	2.43E-03	2.52E-03	1.44E-02	5.80E-04	2.16E-04	1.78E-02	2.52E-03	1.65E-06	6.36E-06	6.31E-06	2.53E-03
5174	483363.09	3864877.25	2.38E-03	1.48E-06	7.00E-06	6.46E-06	2.39E-03	2.48E-03	1.51E-02	6.38E-04	2.21E-04	1.84E-02	2.48E-03	1.73E-06	7.00E-06	6.46E-06	2.49E-03
5175	483863.09	3864877.25	2.38E-03	1.51E-06	8.91E-06	6.46E-06	2.40E-03	2.48E-03	1.55E-02	8.12E-04	2.21E-04	1.90E-02	2.48E-03	1.77E-06	8.91E-06	6.46E-06	2.49E-03
5176	484363.09	3864877.25	2.42E-03	1.54E-06	9.48E-06	6.16E-06	2.44E-03	2.53E-03	1.57E-02	8.65E-04	2.11E-04	1.93E-02	2.53E-03	1.80E-06	9.48E-06	6.16E-06	2.54E-03
5177	484863.09	3864877.25	2.40E-03	1.60E-06	7.38E-06	5.90E-06	2.42E-03	2.51E-03	1.63E-02	6.73E-04	2.02E-04	1.97E-02	2.50E-03	1.87E-06	7.38E-06	5.90E-06	2.52E-03
5178	485363.09	3864877.25	2.29E-03	1.67E-06	6.00E-06	5.94E-06	2.31E-03	2.39E-03	1.71E-02	5.47E-04	2.03E-04	2.02E-02	2.39E-03	1.95E-06	6.00E-06	5.94E-06	2.40E-03
5179	485863.09	3864877.25	2.20E-03	1.68E-06	6.27E-06	5.77E-06	2.21E-03	2.29E-03	1.71E-02	5.72E-04	1.97E-04	2.02E-02	2.29E-03	1.96E-06	6.27E-06	5.77E-06	2.30E-03
5180	486363.09	3864877.25	2.13E-03	1.67E-06	5.97E-06	5.58E-06	2.14E-03	2.22E-03	1.70E-02	5.45E-04	1.91E-04	2.00E-02	2.21E-03	1.95E-06	5.97E-06	5.58E-06	2.23E-03
5181	486863.09	3864877.25	2.08E-03	1.67E-06	6.87E-06	5.58E-06	2.09E-03	2.17E-03	1.71E-02	6.26E-04	1.91E-04	2.01E-02	2.17E-03	1.96E-06	6.87E-06	5.58E-06	2.18E-03

5182	487363.09	3864877.25	2.12E-03	1.63E-06	8.53E-06	5.60E-06	2.13E-03	2.21E-03	1.66E-02	7.78E-04	1.91E-04	1.98E-02	2.21E-03	1.90E-06	8.53E-06	5.60E-06	2.22E-03
5183	487863.09	3864877.25	2.23E-03	1.61E-06	9.19E-06	5.81E-06	2.25E-03	2.33E-03	1.65E-02	8.38E-04	1.99E-04	1.98E-02	2.32E-03	1.89E-06	9.19E-06	5.81E-06	2.34E-03
5184	488363.09	3864877.25	2.30E-03	1.60E-06	8.53E-06	5.90E-06	2.32E-03	2.40E-03	1.63E-02	7.78E-04	2.02E-04	1.97E-02	2.40E-03	1.87E-06	8.53E-06	5.90E-06	2.41E-03
5185	488863.09	3864877.25	2.30E-03	1.59E-06	6.46E-06	5.53E-06	2.31E-03	2.40E-03	1.63E-02	5.89E-04	1.89E-04	1.95E-02	2.39E-03	1.87E-06	6.46E-06	5.53E-06	2.41E-03
5186	489363.09	3864877.25	2.21E-03	1.62E-06	5.68E-06	5.36E-06	2.23E-03	2.31E-03	1.65E-02	5.18E-04	1.83E-04	1.95E-02	2.31E-03	1.89E-06	5.68E-06	5.36E-06	2.32E-03
5187	489863.09	3864877.25	2.15E-03	1.64E-06	5.78E-06	5.40E-06	2.16E-03	2.24E-03	1.67E-02	5.27E-04	1.85E-04	1.97E-02	2.24E-03	1.91E-06	5.78E-06	5.40E-06	2.25E-03
5188	490363.09	3864877.25	2.20E-03	1.65E-06	4.98E-06	5.51E-06	2.21E-03	2.29E-03	1.69E-02	4.54E-04	1.88E-04	1.98E-02	2.29E-03	1.93E-06	4.98E-06	5.51E-06	2.30E-03
5189	490863.09	3864877.25	2.43E-03	1.55E-06	4.72E-06	5.83E-06	2.45E-03	2.54E-03	1.58E-02	4.30E-04	2.00E-04	1.90E-02	2.54E-03	1.81E-06	4.72E-06	5.83E-06	2.55E-03
5190	491363.09	3864877.25	2.46E-03	1.68E-06	5.51E-06	6.42E-06	2.48E-03	2.57E-03	1.72E-02	5.02E-04	2.19E-04	2.05E-02	2.56E-03	1.97E-06	5.51E-06	6.42E-06	2.58E-03
5191	491863.09	3864877.25	2.46E-03	1.53E-06	6.34E-06	6.78E-06	2.47E-03	2.57E-03	1.56E-02	5.78E-04	2.32E-04	1.90E-02	2.56E-03	1.79E-06	6.34E-06	6.78E-06	2.58E-03
5192	492363.09	3864877.25	1.22E-03	4.80E-07	6.83E-06	5.47E-06	1.23E-03	1.27E-03	4.90E-03	6.22E-04	1.87E-04	6.98E-03	1.27E-03	5.61E-07	6.83E-06	5.47E-06	1.28E-03
5193	492863.09	3864877.25	1.78E-03	6.63E-07	9.23E-06	5.96E-06	1.79E-03	1.85E-03	6.77E-03	8.42E-04	2.04E-04	9.67E-03	1.85E-03	7.75E-07	9.23E-06	5.96E-06	1.87E-03
5194	493363.09	3864877.25	1.69E-03	6.87E-07	9.78E-06	5.86E-06	1.71E-03	1.76E-03	7.02E-03	8.92E-04	2.00E-04	9.87E-03	1.76E-03	8.03E-07	9.78E-06	5.86E-06	1.78E-03
5195	493863.09	3864877.25	2.33E-03	1.39E-06	1.24E-05	6.85E-06	2.35E-03	2.44E-03	1.42E-02	1.13E-03	2.34E-04	1.80E-02	2.43E-03	1.62E-06	1.24E-05	6.85E-06	2.45E-03
5196	494363.09	3864877.25	2.52E-03	1.55E-06	9.14E-06	6.35E-06	2.53E-03	2.63E-03	1.58E-02	8.34E-04	2.17E-04	1.95E-02	2.62E-03	1.81E-06	9.14E-06	6.35E-06	2.64E-03
5197	494863.09	3864877.25	2.67E-03	1.56E-06	9.01E-06	5.98E-06	2.69E-03	2.79E-03	1.59E-02	8.22E-04	2.05E-04	1.97E-02	2.78E-03	1.82E-06	9.01E-06	5.98E-06	2.80E-03
5198	495363.09	3864877.25	2.72E-03	1.58E-06	9.93E-06	5.81E-06	2.73E-03	2.83E-03	1.62E-02	9.06E-04	1.99E-04	2.01E-02	2.83E-03	1.85E-06	9.93E-06	5.81E-06	2.85E-03
5199	495863.09	3864877.25	2.63E-03	1.63E-06	1.06E-05	5.92E-06	2.65E-03	2.75E-03	1.67E-02	9.68E-04	2.02E-04	2.06E-02	2.74E-03	1.91E-06	1.06E-05	5.92E-06	2.76E-03
5200	496363.09	3864877.25	2.51E-03	1.65E-06	9.82E-06	6.03E-06	2.53E-03	2.62E-03	1.68E-02	8.96E-04	2.06E-04	2.06E-02	2.62E-03	1.93E-06	9.82E-06	6.03E-06	2.63E-03
5201	496863.09	3864877.25	2.39E-03	1.69E-06	8.93E-06	6.16E-06	2.41E-03	2.50E-03	1.72E-02	8.14E-04	2.11E-04	2.08E-02	2.49E-03	1.98E-06	8.93E-06	6.16E-06	2.51E-03
5202	497363.09	3864877.25	2.32E-03	1.73E-06	8.46E-06	6.29E-06	2.34E-03	2.43E-03	1.76E-02	7.72E-04	2.15E-04	2.10E-02	2.42E-03	2.02E-06	8.46E-06	6.29E-06	2.44E-03
5203	497863.09	3864877.25	2.31E-03	1.75E-06	8.50E-06	6.33E-06	2.33E-03	2.42E-03	1.79E-02	7.76E-04	2.16E-04	2.13E-02	2.41E-03	2.05E-06	8.50E-06	6.33E-06	2.43E-03
5204	498363.09	3864877.25	2.31E-03	1.77E-06	8.65E-06	6.26E-06	2.32E-03	2.41E-03	1.81E-02	7.89E-04	2.14E-04	2.15E-02	2.40E-03	2.07E-06	8.65E-06	6.26E-06	2.42E-03
5205	471363.09	3865377.25	1.18E-03	5.55E-07	6.80E-06	5.17E-06	1.19E-03	1.23E-03	5.67E-03	6.21E-04	1.77E-04	7.69E-03	1.23E-03	6.49E-07	6.80E-06	5.17E-06	1.24E-03
5206	471863.09	3865377.25	1.19E-03	5.78E-07	6.93E-06	5.21E-06	1.20E-03	1.24E-03	5.91E-03	6.32E-04	1.78E-04	7.96E-03	1.24E-03	6.77E-07	6.93E-06	5.21E-06	1.25E-03
5207	472363.09	3865377.25	1.20E-03	6.05E-07	7.25E-06	5.27E-06	1.22E-03	1.26E-03	6.18E-03	6.61E-04	1.80E-04	8.28E-03	1.25E-03	7.08E-07	7.25E-06	5.27E-06	1.27E-03
5208	472863.09	3865377.25	1.23E-03	6.31E-07	7.55E-06	5.32E-06	1.25E-03	1.29E-03	6.45E-03	6.88E-04	1.82E-04	8.61E-03	1.29E-03	7.38E-07	7.55E-06	5.32E-06	1.30E-03
5209	473363.09	3865377.25	1.26E-03	6.61E-07	7.89E-06	5.36E-06	1.28E-03	1.32E-03	6.75E-03	7.19E-04	1.83E-04	8.98E-03	1.32E-03	7.73E-07	7.89E-06	5.36E-06	1.33E-03
5210	473863.09	3865377.25	1.30E-03	6.88E-07	8.12E-06	5.36E-06	1.31E-03	1.36E-03	7.03E-03	7.41E-04	1.83E-04	9.31E-03	1.35E-03	8.05E-07	8.12E-06	5.36E-06	1.37E-03
5211	474363.09	3865377.25	1.34E-03	7.14E-07	8.29E-06	5.36E-06	1.35E-03	1.39E-03	7.29E-03	7.56E-04	1.83E-04	9.63E-03	1.39E-03	8.35E-07	8.29E-06	5.36E-06	1.41E-03
5212	474863.09	3865377.25	1.38E-03	7.37E-07	8.42E-06	5.36E-06	1.39E-03	1.44E-03	7.53E-03	7.68E-04	1.83E-04	9.92E-03	1.43E-03	8.62E-07	8.42E-06	5.36E-06	1.45E-03
5213	475363.09	3865377.25	1.42E-03	7.62E-07	8.38E-06	5.38E-06	1.43E-03	1.48E-03	7.79E-03	7.64E-04	1.84E-04	1.02E-02	1.48E-03	8.92E-07	8.38E-06	5.38E-06	1.49E-03
5214	475863.09	3865377.25	1.47E-03	7.89E-07	8.42E-06	5.45E-06	1.49E-03	1.54E-03	8.06E-03	7.68E-04	1.86E-04	1.06E-02	1.53E-03	9.23E-07	8.42E-06	5.45E-06	1.55E-03
5215	476363.09	3865377.25	1.56E-03	8.09E-07	8.74E-06	5.51E-06	1.58E-03	1.63E-03	8.27E-03	7.97E-04	1.88E-04	1.09E-02	1.63E-03	9.47E-07	8.74E-06	5.51E-06	1.64E-03
5216	476863.09	3865377.25	1.63E-03	7.69E-07	9.12E-06	5.73E-06	1.65E-03	1.70E-03	7.86E-03	8.32E-04	1.96E-04	1.06E-02	1.70E-03	9.00E-07	9.12E-06	5.73E-06	1.72E-03
5217	477363.09	3865377.25	1.68E-03	8.84E-07	9.06E-06	5.79E-06	1.70E-03	1.75E-03	9.03E-03	8.26E-04	1.98E-04	1.18E-02	1.75E-03	1.03E-06	9.06E-06	5.79E-06	1.77E-03
5218	477863.09	3865377.25	1.72E-03	9.28E-07	8.84E-06	6.01E-06	1.74E-03	1.80E-03	9.48E-03	8.07E-04	2.05E-04	1.23E-02	1.79E-03	1.09E-06	8.84E-06	6.01E-06	1.81E-03
5219	478363.09	3865377.25	1.81E-03	9.58E-07	8.95E-06	6.20E-06	1.82E-03	1.89E-03	9.79E-03	8.16E-04	2.12E-04	1.27E-02	1.88E-03	1.12E-06	8.95E-06	6.20E-06	1.90E-03
5220	478863.09	3865377.25	1.90E-03	9.81E-07	8.78E-06	6.26E-06	1.91E-03	1.98E-03	1.00E-02	8.01E-04	2.14E-04	1.30E-02	1.98E-03	1.15E-06	8.78E-06	6.26E-06	1.99E-03
5221	479363.09	3865377.25	1.99E-03	9.99E-07	8.29E-06	6.24E-06	2.01E-03	2.08E-03	1.02E-02	7.56E-04	2.14E-04	1.32E-02	2.07E-03	1.17E-06	8.29E-06	6.24E-06	2.09E-03
5222	479863.09	3865377.25	2.07E-03	1.02E-06	7.68E-06	6.11E-06	2.09E-03	2.16E-03	1.04E-02	7.00E-04	2.09E-04	1.35E-02	2.16E-03	1.20E-06	7.68E-06	6.11E-06	2.17E-03
5223	480363.09	3865377.25	2.11E-03	1.06E-06	7.10E-06	5.90E-06	2.12E-03	2.20E-03	1.08E-02	6.48E-04	2.02E-04	1.38E-02	2.19E-03	1.24E-06	7.10E-06	5.90E-06	2.21E-03
5224	480863.09	3865377.25	2.11E-03	1.10E-06	6.78E-06	5.79E-06	2.13E-03	2.20E-03	1.12E-02	6.19E-04	1.98E-04	1.42E-02	2.20E-03	1.29E-06	6.78E-06	5.79E-06	2.21E-03
5225	481363.09	3865377.25	2.13E-03	1.15E-06	6.57E-06	5.73E-06	2.14E-03	2.22E-03	1.17E-02	5.99E-04	1.96E-04	1.47E-02	2.22E-03	1.34E-06	6.57E-06	5.73E-06	2.23E-03
5226	481863.09	3865377.25	2.16E-03	1.19E-06	6.25E-06	5.68E-06	2.17E-03	2.25E-03	1.21E-02	5.70E-04	1.94E-04	1.52E-02	2.25E-03	1.39E-06	6.25E-06	5.68E-06	2.26E-03
5227	482363.09	3865377.25	2.19E-03	1.23E-06	5.93E-06	5.68E-06	2.20E-03	2.28E-03	1.26E-02	5.41E-04	1.94E-04	1.56E-02	2.28E-03	1.44E-06	5.93E-06	5.68E-06	2.29E-03
5228	482863.09	3865377.25	2.18E-03	1.29E-06	6.21E-06	5.83E-06	2.19E-03	2.27E-03	1.32E-02	5.66E-04	2.00E-04	1.62E-02	2.27E-03	1.51E-06	6.21E-06	5.83E-06	2.28E-03
5229	483363.09	3865377.25	2.15E-03	1.34E-06	7.80E-06	6.01E-06	2.17E-03	2.25E-03	1.37E-02	7.12E-04	2.05E-04	1.69E-02	2.24E-03	1.57E-06	7.80E-06	6.01E-06	2.26E-03
5230	483863.09	3865377.25	2.18E-03	1.35E-06	9.29E-06	5.92E-06	2.19E-03	2.27E-03	1.38E-02	8.47E-04	2.02E-04	1.72E-02	2.27E-03	1.58E-06	9.29E-06	5.92E-06	2.28E-03
5231	484363.09	3865377.25	2.22E-03	1.38E-06	8.25E-06	5.68E-06	2.23E-03	2.31E-03	1.41E-02	7.52E-04	1.94E-04	1.73E-02	2.31E-03	1.61E-06	8.25E-06	5.68E-06	2.32E-03
5232	484863.09	3865377.25	2.18E-03	1.43E-06	6.19E-06	5.66E-06	2.20E-03	2.28E-03	1.46E-02	5.64E-04	1.94E-04	1.77E-02	2.27E-03	1.67E-06	6.19E-06	5.66E-06	2.29E-03
5233	485363.09	3865377.25	2.09E-03	1.47E-06	5.78E-06	5.58E-06	2.10E-03	2.18E-03	1.50E-02	5.27E-04	1.91E-04	1.79E-02	2.17E-03	1.72E-06	5.78E-06	5.58E-06	2.19E-03
5234	485863.09	3865377.25	2.01E-03	1.45E-06	6.00E-06	5.25E-06	2.02E-03	2.09E-03	1.48E-02	5.47E-04	1.80E-04	1.77E-02	2.09E-03	1.70E-06	6.00E-06	5.25E-06	2.10E-03
5235	486363.09	3865377.25	1.94E-03	1.47E-06	5.66E-06	5.23E-06	1.95E-03	2.02E-03	1.50E-02	5.16E-04	1.79E-04	1.77E-02	2.02E-03	1.71E-06	5.66E-06	5.23E-06	2.03E-03
5236	486863.09	3865377.25	1.89E-03	1.46E-06	6.76E-06	5.25E-06	1.90E-03	1.97E-03	1.50E-02	6.17E-04	1.80E-04	1.77E-02	1.96E-03	1.71E-06	6.76E-06	5.25E-06	1.98E-03
5237	487363.09	3865377.25	1.92E-03	1.42E-06	8.27E-06	5.30E-06	1.93E-03	2.00E-03	1.45E-02	7.54E-04	1.81E-04	1.75E-02	1.99E-03	1.67E-06	8.27E-06	5.30E-06	2.01E-03
5238	487863.09	3865377.25	2.02E-03	1.40E-06	8.72E-06	5.42E-06	2.03E-03	2.11E-03	1.43E-02	7.95E-04	1.86E-04	1.74E-02	2.10E-03	1.64E-06	8.72E-06	5.42E-06	2.12E-03
5239	488363.09	3865377.25	2.10E-03	1.39E-06	8.14E-06	5.47E-06	2.12E-03	2.19E-03	1.42E-02	7.43E-04	1.87E-04	1.73E-02	2.19E-03	1.62E-06	8.14E-06	5.47E-06	2.20E-03
5240	488863.09	3865377.25	2.12E-03	1.39E-06	6.25E-06	5.12E-06	2.13E-03	2.21E-03	1.42E-02	5.70E-04	1.75E-04	1.71E-02	2.21E-03	1.62E-06	6.25E-06	5.12E-06	2.22E-03
5241	489363.09	3865377.25	2.07E-03	1.41E-06	5.38E-06	4.95E-06	2.08E-03	2.16E-03	1.44E-02	4.91E-04	1.69E-04	1.73E-02	2.15E-03	1.65E-06	5.38E-06	4.95E-06	2.16E-03
5242	489863.09	3865377.25	2.00E-03	1.44E-06	5.68E-06	5.04E-06	2.01E-03	2.09E-03	1.47E-02	5.18E-04	1.72E-04	1.74E-02	2.09E-03	1.68E-06	5.68E-06	5.04E-06	2.10E-03

5243	490363.09	3865377.25	2.06E-03	1.37E-06	5.34E-06	4.99E-06	2.07E-03	2.15E-03	1.40E-02	4.87E-04	1.71E-04	1.68E-02	2.14E-03	1.60E-06	5.34E-06	4.99E-06	2.16E-03
5244	490863.09	3865377.25	2.15E-03	1.32E-06	4.40E-06	5.21E-06	2.16E-03	2.25E-03	1.35E-02	4.01E-04	1.78E-04	1.63E-02	2.24E-03	1.54E-06	4.40E-06	5.21E-06	2.25E-03
5245	491363.09	3865377.25	2.26E-03	1.28E-06	4.57E-06	5.64E-06	2.28E-03	2.36E-03	1.31E-02	4.17E-04	1.93E-04	1.61E-02	2.36E-03	1.50E-06	4.57E-06	5.64E-06	2.37E-03
5246	491863.09	3865377.25	2.27E-03	1.31E-06	5.27E-06	6.18E-06	2.28E-03	2.37E-03	1.34E-02	4.81E-04	2.11E-04	1.65E-02	2.36E-03	1.54E-06	5.27E-06	6.18E-06	2.38E-03
5247	492363.09	3865377.25	2.05E-03	9.52E-07	6.44E-06	7.58E-06	2.06E-03	2.14E-03	9.73E-03	5.88E-04	2.59E-04	1.27E-02	2.13E-03	1.11E-06	6.44E-06	7.58E-06	2.15E-03
5248	492863.09	3865377.25	1.84E-03	6.84E-07	7.91E-06	6.03E-06	1.86E-03	1.92E-03	6.98E-03	7.21E-04	2.06E-04	9.84E-03	1.92E-03	8.00E-07	7.91E-06	6.03E-06	1.94E-03
5249	493363.09	3865377.25	1.57E-03	5.78E-07	8.31E-06	5.23E-06	1.58E-03	1.63E-03	5.90E-03	7.58E-04	1.79E-04	8.47E-03	1.63E-03	6.76E-07	8.31E-06	5.23E-06	1.65E-03
5250	493863.09	3865377.25	2.12E-03	9.41E-07	1.29E-05	6.24E-06	2.14E-03	2.21E-03	9.61E-03	1.18E-03	2.14E-04	1.32E-02	2.20E-03	1.10E-06	1.29E-05	6.24E-06	2.22E-03
5251	494363.09	3865377.25	2.13E-03	1.29E-06	1.01E-05	6.22E-06	2.15E-03	2.22E-03	1.32E-02	9.23E-04	2.13E-04	1.65E-02	2.22E-03	1.51E-06	1.01E-05	6.22E-06	2.24E-03
5252	494863.09	3865377.25	2.28E-03	1.36E-06	8.53E-06	5.94E-06	2.30E-03	2.38E-03	1.39E-02	7.78E-04	2.03E-04	1.73E-02	2.38E-03	1.59E-06	8.53E-06	5.94E-06	2.39E-03
5253	495363.09	3865377.25	2.43E-03	1.36E-06	8.38E-06	5.60E-06	2.45E-03	2.54E-03	1.39E-02	7.64E-04	1.91E-04	1.73E-02	2.53E-03	1.59E-06	8.38E-06	5.60E-06	2.55E-03
5254	495863.09	3865377.25	2.48E-03	1.39E-06	9.29E-06	5.38E-06	2.49E-03	2.59E-03	1.42E-02	8.47E-04	1.84E-04	1.78E-02	2.58E-03	1.62E-06	9.29E-06	5.38E-06	2.60E-03
5255	496363.09	3865377.25	2.43E-03	1.38E-06	9.72E-06	5.36E-06	2.45E-03	2.54E-03	1.41E-02	8.86E-04	1.83E-04	1.77E-02	2.54E-03	1.61E-06	9.72E-06	5.36E-06	2.55E-03
5256	496863.09	3865377.25	2.32E-03	1.39E-06	9.16E-06	5.51E-06	2.34E-03	2.43E-03	1.42E-02	8.36E-04	1.88E-04	1.76E-02	2.42E-03	1.62E-06	9.16E-06	5.51E-06	2.44E-03
5257	497363.09	3865377.25	2.20E-03	1.45E-06	8.42E-06	5.64E-06	2.22E-03	2.30E-03	1.48E-02	7.68E-04	1.93E-04	1.80E-02	2.30E-03	1.69E-06	8.42E-06	5.64E-06	2.31E-03
5258	497863.09	3865377.25	2.13E-03	1.48E-06	7.97E-06	5.77E-06	2.15E-03	2.23E-03	1.52E-02	7.27E-04	1.97E-04	1.83E-02	2.22E-03	1.74E-06	7.97E-06	5.77E-06	2.24E-03
5259	498363.09	3865377.25	2.12E-03	1.50E-06	7.82E-06	5.79E-06	2.14E-03	2.21E-03	1.53E-02	7.14E-04	1.98E-04	1.84E-02	2.21E-03	1.75E-06	7.82E-06	5.79E-06	2.22E-03
5260	471363.09	3865877.25	1.09E-03	5.46E-07	6.85E-06	4.99E-06	1.10E-03	1.14E-03	5.58E-03	6.24E-04	1.71E-04	7.51E-03	1.13E-03	6.39E-07	6.85E-06	4.99E-06	1.15E-03
5261	471863.09	3865877.25	1.11E-03	5.69E-07	7.17E-06	5.06E-06	1.13E-03	1.16E-03	5.82E-03	6.53E-04	1.73E-04	7.80E-03	1.16E-03	6.66E-07	7.17E-06	5.06E-06	1.17E-03
5262	472363.09	3865877.25	1.15E-03	5.89E-07	7.46E-06	5.08E-06	1.16E-03	1.20E-03	6.02E-03	6.81E-04	1.74E-04	8.07E-03	1.20E-03	6.89E-07	7.46E-06	5.08E-06	1.21E-03
5263	472863.09	3865877.25	1.17E-03	6.13E-07	7.68E-06	5.10E-06	1.19E-03	1.23E-03	6.27E-03	7.00E-04	1.74E-04	8.37E-03	1.22E-03	7.17E-07	7.68E-06	5.10E-06	1.24E-03
5264	473363.09	3865877.25	1.21E-03	6.35E-07	7.76E-06	5.08E-06	1.22E-03	1.26E-03	6.49E-03	7.08E-04	1.74E-04	8.63E-03	1.26E-03	7.43E-07	7.76E-06	5.08E-06	1.27E-03
5265	473863.09	3865877.25	1.24E-03	6.54E-07	7.87E-06	5.06E-06	1.25E-03	1.29E-03	6.68E-03	7.17E-04	1.73E-04	8.87E-03	1.29E-03	7.65E-07	7.87E-06	5.06E-06	1.30E-03
5266	474363.09	3865877.25	1.27E-03	6.74E-07	7.89E-06	5.06E-06	1.28E-03	1.32E-03	6.89E-03	7.19E-04	1.73E-04	9.11E-03	1.32E-03	7.89E-07	7.89E-06	5.06E-06	1.34E-03
5267	474863.09	3865877.25	1.31E-03	6.95E-07	7.95E-06	5.08E-06	1.32E-03	1.36E-03	7.10E-03	7.25E-04	1.74E-04	9.37E-03	1.36E-03	8.13E-07	7.95E-06	5.08E-06	1.38E-03
5268	475363.09	3865877.25	1.35E-03	7.19E-07	7.97E-06	5.17E-06	1.37E-03	1.41E-03	7.35E-03	7.27E-04	1.77E-04	9.66E-03	1.41E-03	8.41E-07	7.97E-06	5.17E-06	1.42E-03
5269	475863.09	3865877.25	1.41E-03	7.46E-07	8.08E-06	5.27E-06	1.42E-03	1.47E-03	7.62E-03	7.37E-04	1.80E-04	1.00E-02	1.47E-03	8.73E-07	8.08E-06	5.27E-06	1.48E-03
5270	476363.09	3865877.25	1.50E-03	7.52E-07	8.44E-06	5.34E-06	1.51E-03	1.56E-03	7.68E-03	7.70E-04	1.83E-04	1.02E-02	1.56E-03	8.79E-07	8.44E-06	5.34E-06	1.57E-03
5271	476863.09	3865877.25	1.55E-03	7.23E-07	8.78E-06	5.53E-06	1.56E-03	1.61E-03	7.39E-03	8.01E-04	1.89E-04	9.99E-03	1.61E-03	8.46E-07	8.78E-06	5.53E-06	1.63E-03
5272	477363.09	3865877.25	1.60E-03	8.23E-07	8.76E-06	5.62E-06	1.61E-03	1.67E-03	8.40E-03	7.99E-04	1.92E-04	1.11E-02	1.66E-03	9.62E-07	8.76E-06	5.62E-06	1.68E-03
5273	477863.09	3865877.25	1.65E-03	8.55E-07	8.53E-06	5.83E-06	1.66E-03	1.72E-03	8.74E-03	7.78E-04	2.00E-04	1.14E-02	1.72E-03	1.00E-06	8.53E-06	5.83E-06	1.73E-03
5274	478363.09	3865877.25	1.73E-03	8.74E-07	8.29E-06	5.92E-06	1.74E-03	1.80E-03	8.93E-03	7.56E-04	2.02E-04	1.17E-02	1.80E-03	1.02E-06	8.29E-06	5.92E-06	1.81E-03
5275	478863.09	3865877.25	1.81E-03	8.90E-07	7.76E-06	5.90E-06	1.82E-03	1.88E-03	9.09E-03	7.08E-04	2.02E-04	1.19E-02	1.88E-03	1.04E-06	7.76E-06	5.90E-06	1.89E-03
5276	479363.09	3865877.25	1.88E-03	9.11E-07	7.12E-06	5.79E-06	1.89E-03	1.96E-03	9.30E-03	6.50E-04	1.98E-04	1.21E-02	1.95E-03	1.07E-06	7.12E-06	5.79E-06	1.97E-03
5277	479863.09	3865877.25	1.92E-03	9.41E-07	6.61E-06	5.60E-06	1.93E-03	2.00E-03	9.61E-03	6.03E-04	1.91E-04	1.24E-02	2.00E-03	1.10E-06	6.61E-06	5.60E-06	2.01E-03
5278	480363.09	3865877.25	1.94E-03	9.79E-07	6.34E-06	5.42E-06	1.95E-03	2.02E-03	1.00E-02	5.78E-04	1.86E-04	1.28E-02	2.02E-03	1.15E-06	6.34E-06	5.42E-06	2.03E-03
5279	480863.09	3865877.25	1.95E-03	1.02E-06	6.14E-06	5.34E-06	1.96E-03	2.03E-03	1.04E-02	5.60E-04	1.83E-04	1.32E-02	2.03E-03	1.19E-06	6.14E-06	5.34E-06	2.04E-03
5280	481363.09	3865877.25	1.96E-03	1.05E-06	5.89E-06	5.25E-06	1.97E-03	2.04E-03	1.07E-02	5.37E-04	1.80E-04	1.35E-02	2.04E-03	1.23E-06	5.89E-06	5.25E-06	2.05E-03
5281	481863.09	3865877.25	1.98E-03	1.09E-06	5.59E-06	5.21E-06	1.99E-03	2.06E-03	1.11E-02	5.10E-04	1.78E-04	1.39E-02	2.06E-03	1.27E-06	5.59E-06	5.21E-06	2.07E-03
5282	482363.09	3865877.25	1.99E-03	1.13E-06	5.66E-06	5.30E-06	2.00E-03	2.08E-03	1.16E-02	5.16E-04	1.81E-04	1.44E-02	2.08E-03	1.33E-06	5.66E-06	5.30E-06	2.09E-03
5283	482863.09	3865877.25	1.98E-03	1.19E-06	6.78E-06	5.51E-06	1.99E-03	2.06E-03	1.21E-02	6.19E-04	1.88E-04	1.50E-02	2.06E-03	1.39E-06	6.78E-06	5.51E-06	2.07E-03
5284	483363.09	3865877.25	1.97E-03	1.21E-06	8.57E-06	5.62E-06	1.99E-03	2.06E-03	1.24E-02	7.81E-04	1.92E-04	1.54E-02	2.05E-03	1.42E-06	8.57E-06	5.62E-06	2.07E-03
5285	483863.09	3865877.25	2.01E-03	1.22E-06	8.76E-06	5.49E-06	2.03E-03	2.10E-03	1.25E-02	7.99E-04	1.88E-04	1.55E-02	2.10E-03	1.43E-06	8.76E-06	5.49E-06	2.11E-03
5286	484363.09	3865877.25	2.04E-03	1.25E-06	6.89E-06	5.45E-06	2.06E-03	2.13E-03	1.28E-02	6.28E-04	1.86E-04	1.57E-02	2.13E-03	1.46E-06	6.89E-06	5.45E-06	2.14E-03
5287	484863.09	3865877.25	1.99E-03	1.29E-06	5.51E-06	5.45E-06	2.00E-03	2.08E-03	1.31E-02	5.02E-04	1.86E-04	1.59E-02	2.08E-03	1.50E-06	5.51E-06	5.45E-06	2.09E-03
5288	485363.09	3865877.25	1.91E-03	1.29E-06	5.76E-06	5.12E-06	1.92E-03	1.99E-03	1.32E-02	5.25E-04	1.75E-04	1.59E-02	1.99E-03	1.51E-06	5.76E-06	5.12E-06	2.00E-03
5289	485863.09	3865877.25	1.84E-03	1.27E-06	5.59E-06	4.87E-06	1.85E-03	1.92E-03	1.30E-02	5.10E-04	1.66E-04	1.56E-02	1.92E-03	1.49E-06	5.59E-06	4.87E-06	1.93E-03
5290	486363.09	3865877.25	1.77E-03	1.30E-06	5.44E-06	4.95E-06	1.78E-03	1.85E-03	1.33E-02	4.96E-04	1.69E-04	1.58E-02	1.85E-03	1.52E-06	5.44E-06	4.95E-06	1.86E-03
5291	486863.09	3865877.25	1.72E-03	1.29E-06	6.68E-06	4.97E-06	1.74E-03	1.80E-03	1.32E-02	6.09E-04	1.70E-04	1.58E-02	1.79E-03	1.51E-06	6.68E-06	4.97E-06	1.81E-03
5292	487363.09	3865877.25	1.74E-03	1.26E-06	7.99E-06	5.04E-06	1.75E-03	1.82E-03	1.29E-02	7.29E-04	1.72E-04	1.56E-02	1.81E-03	1.47E-06	7.99E-06	5.04E-06	1.83E-03
5293	487863.09	3865877.25	1.84E-03	1.24E-06	8.33E-06	5.15E-06	1.86E-03	1.92E-03	1.27E-02	7.60E-04	1.76E-04	1.55E-02	1.92E-03	1.45E-06	8.33E-06	5.15E-06	1.93E-03
5294	488363.09	3865877.25	1.92E-03	1.22E-06	7.76E-06	5.10E-06	1.94E-03	2.00E-03	1.25E-02	7.08E-04	1.74E-04	1.54E-02	2.00E-03	1.43E-06	7.76E-06	5.10E-06	2.02E-03
5295	488863.09	3865877.25	1.96E-03	1.22E-06	6.08E-06	4.82E-06	1.97E-03	2.05E-03	1.25E-02	5.55E-04	1.65E-04	1.52E-02	2.04E-03	1.43E-06	6.08E-06	4.82E-06	2.06E-03
5296	489363.09	3865877.25	1.94E-03	1.25E-06	5.15E-06	4.61E-06	1.95E-03	2.02E-03	1.28E-02	4.69E-04	1.58E-04	1.54E-02	2.02E-03	1.46E-06	5.15E-06	4.61E-06	2.03E-03
5297	489863.09	3865877.25	1.87E-03	1.27E-06	5.49E-06	4.69E-06	1.88E-03	1.95E-03	1.30E-02	5.00E-04	1.61E-04	1.56E-02	1.95E-03	1.49E-06	5.49E-06	4.69E-06	1.96E-03
5298	490363.09	3865877.25	1.86E-03	1.26E-06	5.55E-06	4.67E-06	1.87E-03	1.94E-03	1.28E-02	5.06E-04	1.60E-04	1.54E-02	1.93E-03	1.47E-06	5.55E-06	4.67E-06	1.94E-03
5299	490863.09	3865877.25	1.91E-03	1.20E-06	4.34E-06	4.71E-06	1.92E-03	1.99E-03	1.22E-02	3.96E-04	1.61E-04	1.48E-02	1.99E-03	1.40E-06	4.34E-06	4.71E-06	2.00E-03
5300	491363.09	3865877.25	2.03E-03	1.10E-06	4.12E-06	5.02E-06	2.04E-03	2.11E-03	1.13E-02	3.76E-04	1.72E-04	1.39E-02	2.11E-03	1.29E-06	4.12E-06	5.02E-06	2.12E-03
5301	491863.09	3865877.25	2.11E-03	1.09E-06	4.55E-06	5.51E-06	2.13E-03	2.21E-03	1.11E-02	4.15E-04	1.88E-04	1.39E-02	2.20E-03	1.27E-06	4.55E-06	5.51E-06	2.21E-03
5302	492363.09	3865877.25	2.00E-03	1.00E-06	5.32E-06	6.07E-06	2.02E-03	2.09E-03	1.03E-02	4.85E-04	2.08E-04	1.30E-02	2.09E-03	1.18E-06	5.32E-06	6.07E-06	2.10E-03
5303	492863.09	3865877.25	1.68E-03	6.57E-07	6.44E-06	5.96E-06	1.70E-03	1.76E-03	6.71E-03	5.88E-04	2.04E-04	9.26E-03	1.75E-03	7.68E-07	6.44E-06	5.96E-06	1.77E-03

5304	493363.09	3865877.25	1.80E-03	6.72E-07	8.36E-06	6.01E-06	1.82E-03	1.88E-03	6.87E-03	7.62E-04	2.05E-04	9.71E-03	1.88E-03	7.86E-07	8.36E-06	6.01E-06	1.89E-03
5305	493863.09	3865877.25	2.05E-03	8.67E-07	9.80E-06	5.68E-06	2.07E-03	2.14E-03	8.85E-03	8.94E-04	1.94E-04	1.21E-02	2.14E-03	1.01E-06	9.80E-06	5.68E-06	2.15E-03
5306	494363.09	3865877.25	2.07E-03	1.11E-06	1.01E-05	5.70E-06	2.09E-03	2.16E-03	1.14E-02	9.17E-04	1.95E-04	1.47E-02	2.16E-03	1.30E-06	1.01E-05	5.70E-06	2.17E-03
5307	494863.09	3865877.25	2.06E-03	1.30E-06	8.59E-06	5.68E-06	2.07E-03	2.15E-03	1.32E-02	7.83E-04	1.94E-04	1.64E-02	2.14E-03	1.52E-06	8.59E-06	5.68E-06	2.16E-03
5308	495363.09	3865877.25	2.12E-03	1.26E-06	7.91E-06	5.58E-06	2.13E-03	2.21E-03	1.29E-02	7.21E-04	1.91E-04	1.60E-02	2.21E-03	1.48E-06	7.91E-06	5.58E-06	2.22E-03
5309	495863.09	3865877.25	2.23E-03	1.20E-06	7.82E-06	5.25E-06	2.24E-03	2.32E-03	1.22E-02	7.14E-04	1.80E-04	1.55E-02	2.32E-03	1.40E-06	7.82E-06	5.25E-06	2.33E-03
5310	496363.09	3865877.25	2.30E-03	1.16E-06	8.61E-06	4.99E-06	2.31E-03	2.40E-03	1.18E-02	7.85E-04	1.71E-04	1.52E-02	2.39E-03	1.35E-06	8.61E-06	4.99E-06	2.41E-03
5311	496863.09	3865877.25	2.26E-03	1.13E-06	9.25E-06	4.99E-06	2.28E-03	2.36E-03	1.16E-02	8.43E-04	1.71E-04	1.49E-02	2.35E-03	1.32E-06	9.25E-06	4.99E-06	2.37E-03
5312	497363.09	3865877.25	2.15E-03	1.19E-06	8.74E-06	5.08E-06	2.17E-03	2.24E-03	1.22E-02	7.97E-04	1.74E-04	1.54E-02	2.24E-03	1.39E-06	8.74E-06	5.08E-06	2.26E-03
5313	497863.09	3865877.25	2.05E-03	1.23E-06	7.87E-06	5.23E-06	2.06E-03	2.14E-03	1.26E-02	7.17E-04	1.79E-04	1.56E-02	2.13E-03	1.44E-06	7.87E-06	5.23E-06	2.15E-03
5314	498363.09	3865877.25	1.95E-03	1.21E-06	7.14E-06	5.47E-06	1.96E-03	2.03E-03	1.24E-02	6.52E-04	1.87E-04	1.52E-02	2.03E-03	1.42E-06	7.14E-06	5.47E-06	2.04E-03
5315	471363.09	3866377.25	1.04E-03	5.34E-07	7.04E-06	4.84E-06	1.05E-03	1.08E-03	5.46E-03	6.42E-04	1.66E-04	7.35E-03	1.08E-03	6.25E-07	7.04E-06	4.84E-06	1.09E-03
5316	471863.09	3866377.25	1.07E-03	5.50E-07	7.40E-06	4.84E-06	1.08E-03	1.12E-03	5.62E-03	6.75E-04	1.66E-04	7.58E-03	1.11E-03	6.43E-07	7.40E-06	4.84E-06	1.13E-03
5317	472363.09	3866377.25	1.10E-03	5.67E-07	7.55E-06	4.82E-06	1.11E-03	1.15E-03	5.79E-03	6.88E-04	1.65E-04	7.79E-03	1.15E-03	6.63E-07	7.55E-06	4.82E-06	1.16E-03
5318	472863.09	3866377.25	1.12E-03	5.86E-07	7.42E-06	4.82E-06	1.14E-03	1.17E-03	5.99E-03	6.77E-04	1.65E-04	8.00E-03	1.17E-03	6.86E-07	7.42E-06	4.82E-06	1.18E-03
5319	473363.09	3866377.25	1.15E-03	6.02E-07	7.46E-06	4.80E-06	1.16E-03	1.20E-03	6.15E-03	6.81E-04	1.64E-04	8.20E-03	1.20E-03	7.05E-07	7.46E-06	4.80E-06	1.21E-03
5320	473863.09	3866377.25	1.17E-03	6.19E-07	7.46E-06	4.80E-06	1.19E-03	1.23E-03	6.33E-03	6.81E-04	1.64E-04	8.40E-03	1.22E-03	7.25E-07	7.46E-06	4.80E-06	1.24E-03
5321	474363.09	3866377.25	1.20E-03	6.38E-07	7.48E-06	4.84E-06	1.22E-03	1.26E-03	6.52E-03	6.83E-04	1.66E-04	8.62E-03	1.25E-03	7.46E-07	7.48E-06	4.84E-06	1.27E-03
5322	474863.09	3866377.25	1.24E-03	6.59E-07	7.57E-06	4.93E-06	1.26E-03	1.30E-03	6.73E-03	6.90E-04	1.69E-04	8.89E-03	1.30E-03	7.71E-07	7.57E-06	4.93E-06	1.31E-03
5323	475363.09	3866377.25	1.29E-03	6.81E-07	7.61E-06	5.02E-06	1.31E-03	1.35E-03	6.96E-03	6.94E-04	1.72E-04	9.17E-03	1.35E-03	7.97E-07	7.61E-06	5.02E-06	1.36E-03
5324	475863.09	3866377.25	1.34E-03	7.05E-07	7.68E-06	5.12E-06	1.36E-03	1.40E-03	7.20E-03	7.00E-04	1.75E-04	9.48E-03	1.40E-03	8.25E-07	7.68E-06	5.12E-06	1.41E-03
5325	476363.09	3866377.25	1.42E-03	7.20E-07	8.19E-06	5.21E-06	1.43E-03	1.48E-03	7.35E-03	7.47E-04	1.78E-04	9.76E-03	1.48E-03	8.42E-07	8.19E-06	5.21E-06	1.49E-03
5326	476863.09	3866377.25	1.46E-03	6.55E-07	8.61E-06	5.40E-06	1.48E-03	1.53E-03	6.69E-03	7.85E-04	1.85E-04	9.19E-03	1.52E-03	7.66E-07	8.61E-06	5.40E-06	1.54E-03
5327	477363.09	3866377.25	1.54E-03	7.34E-07	8.44E-06	5.42E-06	1.55E-03	1.60E-03	7.50E-03	7.70E-04	1.86E-04	1.01E-02	1.60E-03	8.58E-07	8.44E-06	5.42E-06	1.62E-03
5328	477863.09	3866377.25	1.59E-03	7.83E-07	7.99E-06	5.66E-06	1.60E-03	1.66E-03	8.00E-03	7.29E-04	1.94E-04	1.06E-02	1.65E-03	9.16E-07	7.99E-06	5.66E-06	1.67E-03
5329	478363.09	3866377.25	1.64E-03	8.01E-07	7.25E-06	5.60E-06	1.66E-03	1.71E-03	8.18E-03	6.61E-04	1.91E-04	1.08E-02	1.71E-03	9.37E-07	7.25E-06	5.60E-06	1.73E-03
5330	478863.09	3866377.25	1.71E-03	8.21E-07	6.68E-06	5.51E-06	1.72E-03	1.78E-03	8.39E-03	6.09E-04	1.88E-04	1.10E-02	1.78E-03	9.61E-07	6.68E-06	5.51E-06	1.79E-03
5331	479363.09	3866377.25	1.76E-03	8.50E-07	6.25E-06	5.38E-06	1.78E-03	1.84E-03	8.68E-03	5.70E-04	1.84E-04	1.13E-02	1.84E-03	9.94E-07	6.25E-06	5.38E-06	1.85E-03
5332	479863.09	3866377.25	1.80E-03	8.84E-07	6.04E-06	5.21E-06	1.81E-03	1.88E-03	9.03E-03	5.51E-04	1.78E-04	1.16E-02	1.87E-03	1.03E-06	6.04E-06	5.21E-06	1.89E-03
5333	480363.09	3866377.25	1.82E-03	9.15E-07	5.87E-06	5.08E-06	1.83E-03	1.89E-03	9.35E-03	5.35E-04	1.74E-04	1.20E-02	1.89E-03	1.07E-06	5.87E-06	5.08E-06	1.90E-03
5334	480863.09	3866377.25	1.81E-03	9.41E-07	5.61E-06	4.93E-06	1.82E-03	1.89E-03	9.61E-03	5.12E-04	1.69E-04	1.22E-02	1.88E-03	1.10E-06	5.61E-06	4.93E-06	1.90E-03
5335	481363.09	3866377.25	1.81E-03	9.70E-07	5.34E-06	4.84E-06	1.82E-03	1.89E-03	9.91E-03	4.87E-04	1.66E-04	1.25E-02	1.89E-03	1.13E-06	5.34E-06	4.84E-06	1.90E-03
5336	481863.09	3866377.25	1.82E-03	1.01E-06	5.23E-06	4.87E-06	1.83E-03	1.90E-03	1.03E-02	4.77E-04	1.66E-04	1.28E-02	1.90E-03	1.18E-06	5.23E-06	4.87E-06	1.91E-03
5337	482363.09	3866377.25	1.82E-03	1.05E-06	5.97E-06	5.02E-06	1.84E-03	1.90E-03	1.08E-02	5.45E-04	1.72E-04	1.34E-02	1.90E-03	1.23E-06	5.97E-06	5.02E-06	1.91E-03
5338	482863.09	3866377.25	1.81E-03	1.09E-06	7.63E-06	5.23E-06	1.83E-03	1.89E-03	1.11E-02	6.96E-04	1.79E-04	1.39E-02	1.89E-03	1.27E-06	7.63E-06	5.23E-06	1.90E-03
5339	483363.09	3866377.25	1.82E-03	1.10E-06	8.70E-06	5.23E-06	1.84E-03	1.90E-03	1.12E-02	7.93E-04	1.79E-04	1.41E-02	1.90E-03	1.29E-06	8.70E-06	5.23E-06	1.92E-03
5340	483863.09	3866377.25	1.87E-03	1.11E-06	7.59E-06	5.21E-06	1.88E-03	1.95E-03	1.13E-02	6.92E-04	1.78E-04	1.41E-02	1.95E-03	1.30E-06	7.59E-06	5.21E-06	1.96E-03
5341	484363.09	3866377.25	1.88E-03	1.13E-06	5.78E-06	5.27E-06	1.89E-03	1.96E-03	1.16E-02	5.27E-04	1.80E-04	1.42E-02	1.95E-03	1.33E-06	5.78E-06	5.27E-06	1.96E-03
5342	484863.09	3866377.25	1.83E-03	1.16E-06	5.25E-06	5.17E-06	1.84E-03	1.91E-03	1.18E-02	4.79E-04	1.77E-04	1.44E-02	1.91E-03	1.35E-06	5.25E-06	5.17E-06	1.92E-03
5343	485363.09	3866377.25	1.76E-03	1.14E-06	5.68E-06	4.69E-06	1.77E-03	1.84E-03	1.16E-02	5.18E-04	1.61E-04	1.41E-02	1.83E-03	1.33E-06	5.68E-06	4.69E-06	1.84E-03
5344	485863.09	3866377.25	1.69E-03	1.13E-06	5.19E-06	4.56E-06	1.70E-03	1.77E-03	1.15E-02	4.73E-04	1.56E-04	1.39E-02	1.76E-03	1.32E-06	5.19E-06	4.56E-06	1.77E-03
5345	486363.09	3866377.25	1.63E-03	1.16E-06	5.29E-06	4.69E-06	1.64E-03	1.70E-03	1.19E-02	4.83E-04	1.61E-04	1.42E-02	1.70E-03	1.36E-06	5.29E-06	4.69E-06	1.71E-03
5346	486863.09	3866377.25	1.58E-03	1.16E-06	6.61E-06	4.74E-06	1.60E-03	1.65E-03	1.18E-02	6.03E-04	1.62E-04	1.42E-02	1.65E-03	1.35E-06	6.61E-06	4.74E-06	1.66E-03
5347	487363.09	3866377.25	1.63E-03	1.13E-06	7.95E-06	4.97E-06	1.64E-03	1.70E-03	1.16E-02	7.25E-04	1.70E-04	1.42E-02	1.69E-03	1.33E-06	7.95E-06	4.97E-06	1.71E-03
5348	487863.09	3866377.25	1.73E-03	1.11E-06	8.53E-06	4.99E-06	1.74E-03	1.81E-03	1.14E-02	7.78E-04	1.71E-04	1.41E-02	1.80E-03	1.30E-06	8.53E-06	4.99E-06	1.82E-03
5349	488363.09	3866377.25	1.81E-03	1.09E-06	7.95E-06	4.91E-06	1.83E-03	1.89E-03	1.11E-02	7.25E-04	1.68E-04	1.39E-02	1.89E-03	1.27E-06	7.95E-06	4.91E-06	1.90E-03
5350	488863.09	3866377.25	1.87E-03	1.06E-06	6.29E-06	4.52E-06	1.88E-03	1.95E-03	1.08E-02	5.74E-04	1.55E-04	1.35E-02	1.95E-03	1.24E-06	6.29E-06	4.52E-06	1.96E-03
5351	489363.09	3866377.25	1.86E-03	1.06E-06	4.98E-06	4.26E-06	1.87E-03	1.94E-03	1.09E-02	4.54E-04	1.46E-04	1.34E-02	1.94E-03	1.25E-06	4.98E-06	4.26E-06	1.95E-03
5352	489863.09	3866377.25	1.80E-03	1.03E-06	5.61E-06	4.54E-06	1.81E-03	1.88E-03	1.05E-02	5.12E-04	1.55E-04	1.30E-02	1.87E-03	1.20E-06	5.61E-06	4.54E-06	1.89E-03
5353	490363.09	3866377.25	1.72E-03	1.13E-06	5.68E-06	4.35E-06	1.73E-03	1.79E-03	1.15E-02	5.18E-04	1.49E-04	1.40E-02	1.79E-03	1.32E-06	5.68E-06	4.35E-06	1.80E-03
5354	490863.09	3866377.25	1.71E-03	1.12E-06	4.55E-06	4.41E-06	1.72E-03	1.78E-03	1.14E-02	4.15E-04	1.51E-04	1.38E-02	1.78E-03	1.31E-06	4.55E-06	4.41E-06	1.79E-03
5355	491363.09	3866377.25	1.79E-03	1.11E-06	4.00E-06	4.56E-06	1.80E-03	1.87E-03	1.14E-02	3.65E-04	1.56E-04	1.38E-02	1.87E-03	1.30E-06	4.00E-06	4.56E-06	1.88E-03
5356	491863.09	3866377.25	1.92E-03	8.93E-07	4.08E-06	4.99E-06	1.93E-03	2.01E-03	9.12E-03	3.72E-04	1.71E-04	1.17E-02	2.00E-03	1.04E-06	4.08E-06	4.99E-06	2.01E-03
5357	492363.09	3866377.25	1.93E-03	9.17E-07	4.57E-06	5.42E-06	1.94E-03	2.01E-03	9.37E-03	4.17E-04	1.86E-04	1.20E-02	2.01E-03	1.07E-06	4.57E-06	5.42E-06	2.02E-03
5358	492863.09	3866377.25	1.72E-03	7.61E-07	5.42E-06	5.98E-06	1.73E-03	1.80E-03	7.77E-03	4.94E-04	2.05E-04	1.03E-02	1.79E-03	8.90E-07	5.42E-06	5.98E-06	1.81E-03
5359	493363.09	3866377.25	1.75E-03	8.13E-07	6.76E-06	5.96E-06	1.76E-03	1.83E-03	8.31E-03	6.17E-04	2.04E-04	1.10E-02	1.82E-03	9.51E-07	6.76E-06	5.96E-06	1.84E-03
5360	493863.09	3866377.25	1.92E-03	9.14E-07	7.89E-06	5.64E-06	1.93E-03	2.00E-03	9.33E-03	7.19E-04	1.93E-04	1.22E-02	1.99E-03	1.07E-06	7.89E-06	5.64E-06	2.01E-03
5361	494363.09	3866377.25	1.98E-03	1.09E-06	8.14E-06	5.17E-06	2.00E-03	2.07E-03	1.11E-02	7.43E-04	1.77E-04	1.41E-02	2.07E-03	1.28E-06	8.14E-06	5.17E-06	2.08E-03
5362	494863.09	3866377.25	1.91E-03	1.12E-06	8.63E-06	5.23E-06	1.92E-03	1.99E-03	1.15E-02	7.87E-04	1.79E-04	1.44E-02	1.99E-03	1.31E-06	8.63E-06	5.23E-06	2.00E-03
5363	495363.09	3866377.25	1.79E-03	1.09E-06	8.59E-06	5.40E-06	1.81E-03	1.87E-03	1.11E-02	7.83E-04	1.85E-04	1.39E-02	1.87E-03	1.27E-06	8.59E-06	5.40E-06	1.88E-03
5364	495863.09	3866377.25	1.89E-03	1.03E-06	7.65E-06	5.34E-06	1.90E-03	1.97E-03	1.05E-02	6.98E-04	1.83E-04	1.33E-02	1.97E-03	1.20E-06	7.65E-06	5.34E-06	1.98E-03

5365	496363.09	3866377.25	2.08E-03	9.77E-07	7.38E-06	4.97E-06	2.10E-03	2.17E-03	9.98E-03	6.73E-04	1.70E-04	1.30E-02	2.17E-03	1.14E-06	7.38E-06	4.97E-06	2.18E-03
5366	496863.09	3866377.25	2.11E-03	9.19E-07	8.29E-06	4.67E-06	2.12E-03	2.20E-03	9.39E-03	7.56E-04	1.60E-04	1.25E-02	2.20E-03	1.08E-06	8.29E-06	4.67E-06	2.21E-03
5367	497363.09	3866377.25	2.07E-03	9.37E-07	9.10E-06	4.76E-06	2.09E-03	2.16E-03	9.57E-03	8.30E-04	1.63E-04	1.27E-02	2.16E-03	1.10E-06	9.10E-06	4.76E-06	2.17E-03
5368	497863.09	3866377.25	2.00E-03	9.93E-07	8.55E-06	4.89E-06	2.01E-03	2.08E-03	1.01E-02	7.80E-04	1.67E-04	1.32E-02	2.08E-03	1.16E-06	8.55E-06	4.89E-06	2.09E-03
5369	498363.09	3866377.25	1.81E-03	8.75E-07	7.57E-06	5.12E-06	1.82E-03	1.89E-03	8.94E-03	6.90E-04	1.75E-04	1.17E-02	1.88E-03	1.02E-06	7.57E-06	5.12E-06	1.90E-03
5370	474494.92	3848334.16	1.23E-03	2.77E-07	3.15E-06	4.48E-06	1.24E-03	1.28E-03	2.82E-03	2.87E-04	1.53E-04	4.55E-03	1.28E-03	3.23E-07	3.15E-06	4.48E-06	1.29E-03
5371	475167.27	3848920.79	1.40E-03	3.08E-07	3.32E-06	4.78E-06	1.41E-03	1.46E-03	3.15E-03	3.02E-04	1.63E-04	5.07E-03	1.46E-03	3.61E-07	3.32E-06	4.78E-06	1.46E-03
5372	475297.89	3848997.96	1.42E-03	3.14E-07	3.34E-06	4.82E-06	1.43E-03	1.49E-03	3.20E-03	3.04E-04	1.65E-04	5.16E-03	1.48E-03	3.67E-07	3.34E-06	4.82E-06	1.49E-03
5373	475439.05	3849062	1.43E-03	3.07E-07	3.36E-06	4.84E-06	1.43E-03	1.49E-03	3.14E-03	3.06E-04	1.66E-04	5.10E-03	1.48E-03	3.60E-07	3.36E-06	4.84E-06	1.49E-03
5374	475486.86	3849061.09	1.42E-03	3.04E-07	3.36E-06	4.84E-06	1.43E-03	1.48E-03	3.11E-03	3.06E-04	1.66E-04	5.06E-03	1.48E-03	3.56E-07	3.36E-06	4.84E-06	1.49E-03
5375	475538.46	3849075.56	1.43E-03	3.08E-07	3.38E-06	4.84E-06	1.44E-03	1.49E-03	3.15E-03	3.08E-04	1.66E-04	5.11E-03	1.49E-03	3.61E-07	3.38E-06	4.84E-06	1.50E-03
5376	475751.79	3849137.15	1.47E-03	3.34E-07	3.42E-06	4.89E-06	1.48E-03	1.54E-03	3.42E-03	3.12E-04	1.67E-04	5.43E-03	1.53E-03	3.91E-07	3.42E-06	4.89E-06	1.54E-03
5377	476303.62	3849223.38	1.52E-03	4.09E-07	3.53E-06	4.89E-06	1.53E-03	1.59E-03	4.18E-03	3.22E-04	1.67E-04	6.26E-03	1.58E-03	4.79E-07	3.53E-06	4.89E-06	1.59E-03
5378	476304.51	3849238.92	1.53E-03	4.09E-07	3.53E-06	4.89E-06	1.54E-03	1.60E-03	4.17E-03	3.22E-04	1.67E-04	6.26E-03	1.59E-03	4.78E-07	3.53E-06	4.89E-06	1.60E-03
5379	476365.04	3849247.98	1.53E-03	4.19E-07	3.55E-06	4.89E-06	1.54E-03	1.60E-03	4.28E-03	3.24E-04	1.67E-04	6.37E-03	1.59E-03	4.91E-07	3.55E-06	4.89E-06	1.60E-03
5380	476444.86	3849267.13	1.54E-03	4.26E-07	3.57E-06	4.89E-06	1.54E-03	1.60E-03	4.35E-03	3.26E-04	1.67E-04	6.44E-03	1.60E-03	4.98E-07	3.57E-06	4.89E-06	1.61E-03
5381	476550.75	3849300.66	1.55E-03	4.49E-07	3.59E-06	4.91E-06	1.56E-03	1.62E-03	4.58E-03	3.28E-04	1.68E-04	6.70E-03	1.61E-03	5.25E-07	3.59E-06	4.91E-06	1.62E-03
5382	476656.71	3849346.88	1.56E-03	4.67E-07	3.64E-06	4.93E-06	1.57E-03	1.63E-03	4.77E-03	3.32E-04	1.69E-04	6.90E-03	1.63E-03	5.46E-07	3.64E-06	4.93E-06	1.64E-03
5383	476873.55	3849454.53	1.61E-03	5.07E-07	3.68E-06	4.97E-06	1.62E-03	1.68E-03	5.18E-03	3.35E-04	1.70E-04	7.36E-03	1.67E-03	5.93E-07	3.68E-06	4.97E-06	1.68E-03
5384	477700	3849859.7	1.76E-03	6.52E-07	3.91E-06	5.21E-06	1.77E-03	1.84E-03	6.66E-03	3.57E-04	1.78E-04	9.03E-03	1.83E-03	7.63E-07	3.91E-06	5.21E-06	1.84E-03
5385	477743.16	3849856.38	1.74E-03	6.46E-07	3.91E-06	5.21E-06	1.75E-03	1.82E-03	6.60E-03	3.57E-04	1.78E-04	8.96E-03	1.81E-03	7.56E-07	3.91E-06	5.21E-06	1.82E-03
5386	478477.35	3850216.33	1.83E-03	6.77E-07	4.10E-06	5.58E-06	1.84E-03	1.91E-03	6.92E-03	3.74E-04	1.91E-04	9.40E-03	1.91E-03	7.92E-07	4.10E-06	5.58E-06	1.92E-03
5387	478485.8	3850201.6	1.82E-03	6.74E-07	4.10E-06	5.58E-06	1.83E-03	1.90E-03	6.89E-03	3.74E-04	1.91E-04	9.35E-03	1.89E-03	7.89E-07	4.10E-06	5.58E-06	1.90E-03
5388	479113.21	3850501.53	2.08E-03	7.43E-07	4.25E-06	5.90E-06	2.09E-03	2.17E-03	7.59E-03	3.88E-04	2.02E-04	1.03E-02	2.16E-03	8.69E-07	4.25E-06	5.90E-06	2.17E-03
5389	479108.11	3850382.28	2.08E-03	7.11E-07	4.19E-06	5.86E-06	2.09E-03	2.17E-03	7.27E-03	3.82E-04	2.00E-04	1.00E-02	2.17E-03	8.32E-07	4.19E-06	5.86E-06	2.18E-03
5390	479689.85	3850674.28	2.44E-03	7.03E-07	4.29E-06	6.24E-06	2.46E-03	2.55E-03	7.18E-03	3.92E-04	2.14E-04	1.03E-02	2.55E-03	8.22E-07	4.29E-06	6.24E-06	2.56E-03
5391	479952.42	3850774.28	2.79E-03	7.06E-07	4.34E-06	6.37E-06	2.80E-03	2.91E-03	7.21E-03	3.96E-04	2.18E-04	1.07E-02	2.91E-03	8.26E-07	4.34E-06	6.37E-06	2.92E-03
5392	479911.32	3850884.85	2.64E-03	7.53E-07	4.42E-06	6.42E-06	2.65E-03	2.75E-03	7.69E-03	4.03E-04	2.19E-04	1.11E-02	2.75E-03	8.81E-07	4.42E-06	6.42E-06	2.76E-03
5393	480500.92	3851178.12	3.35E-03	8.20E-07	4.57E-06	6.82E-06	3.36E-03	3.50E-03	8.38E-03	4.17E-04	2.33E-04	1.25E-02	3.49E-03	9.60E-07	4.57E-06	6.82E-06	3.50E-03
5394	480738.01	3851289.27	3.69E-03	8.45E-07	4.64E-06	7.04E-06	3.70E-03	3.85E-03	8.63E-03	4.23E-04	2.41E-04	1.31E-02	3.84E-03	9.89E-07	4.64E-06	7.04E-06	3.85E-03
5395	481055.42	3851443.58	4.11E-03	8.63E-07	4.72E-06	7.41E-06	4.12E-03	4.29E-03	8.81E-03	4.30E-04	2.53E-04	1.38E-02	4.28E-03	1.01E-06	4.72E-06	7.41E-06	4.29E-03
5396	481110.22	3851443.15	4.29E-03	8.53E-07	4.72E-06	7.45E-06	4.30E-03	4.47E-03	8.72E-03	4.30E-04	2.55E-04	1.39E-02	4.46E-03	9.98E-07	4.72E-06	7.45E-06	4.48E-03
5397	481111.1	3851417.45	4.33E-03	8.42E-07	4.70E-06	7.43E-06	4.34E-03	4.52E-03	8.60E-03	4.29E-04	2.54E-04	1.38E-02	4.51E-03	9.85E-07	4.70E-06	7.43E-06	4.52E-03
5398	482248.44	3852605.09	6.45E-03	1.20E-06	5.68E-06	1.05E-05	6.47E-03	6.73E-03	1.22E-02	5.18E-04	3.58E-04	1.98E-02	6.72E-03	1.40E-06	5.68E-06	1.05E-05	6.73E-03
5399	482273.34	3852632.31	6.51E-03	1.21E-06	5.70E-06	1.06E-05	6.53E-03	6.80E-03	1.23E-02	5.20E-04	3.62E-04	2.00E-02	6.78E-03	1.41E-06	5.70E-06	1.06E-05	6.80E-03
5400	482665.46	3853038.72	8.03E-03	1.45E-06	6.12E-06	1.27E-05	8.05E-03	8.38E-03	1.48E-02	5.58E-04	4.36E-04	2.41E-02	8.36E-03	1.69E-06	6.12E-06	1.27E-05	8.38E-03
5401	483077.95	3853844.31	1.01E-02	1.91E-06	7.06E-06	1.91E-05	1.02E-02	1.06E-02	1.95E-02	6.44E-04	6.54E-04	3.14E-02	1.06E-02	2.24E-06	7.06E-06	1.91E-05	1.06E-02
5402	483121.38	3853909.38	1.06E-02	1.92E-06	7.14E-06	2.00E-05	1.07E-02	1.11E-02	1.96E-02	6.52E-04	6.83E-04	3.20E-02	1.11E-02	2.25E-06	7.14E-06	2.00E-05	1.11E-02
5403	483492.64	3853911.49	1.35E-02	1.64E-06	7.17E-06	2.06E-05	1.35E-02	1.40E-02	1.68E-02	6.53E-04	7.06E-04	3.22E-02	1.40E-02	1.92E-06	7.17E-06	2.06E-05	1.40E-02
5404	483498.29	3854204.73	1.44E-02	1.95E-06	7.59E-06	2.83E-05	1.45E-02	1.51E-02	1.99E-02	6.92E-04	9.68E-04	3.66E-02	1.50E-02	2.28E-06	7.59E-06	2.83E-05	1.51E-02
5405	484132.44	3854662.55	2.28E-02	2.72E-06	8.50E-06	9.26E-05	2.29E-02	2.38E-02	2.78E-02	7.76E-04	3.17E-03	5.56E-02	2.38E-02	3.19E-06	8.50E-06	9.26E-05	2.39E-02
5406	484627.62	3854876.13	4.49E-02	4.43E-06	9.12E-06	7.18E-05	4.50E-02	4.68E-02	4.52E-02	8.32E-04	2.46E-03	9.54E-02	4.67E-02	5.18E-06	9.12E-06	7.18E-05	4.68E-02
5407	484756.14	3854949.04	6.17E-02	5.05E-06	9.36E-06	6.53E-05	6.18E-02	6.44E-02	5.15E-02	8.53E-04	2.23E-03	1.19E-01	6.42E-02	5.90E-06	9.36E-06	6.53E-05	6.43E-02
5408	486697.51	3856599.17	8.33E-01	1.74E-05	2.17E-05	1.05E-04	8.33E-01	8.69E-01	1.77E-01	1.98E-03	3.59E-03	1.05E+00	8.67E-01	2.03E-05	2.17E-05	1.05E-04	8.68E-01
5409	487105.31	3856962.27	8.83E-01	1.98E-05	3.17E-05	6.39E-05	8.83E-01	9.21E-01	2.02E-01	2.89E-03	2.19E-03	1.13E+00	9.20E-01	2.31E-05	3.17E-05	6.39E-05	9.20E-01
5410	487157.57	3856901.7	6.84E-01	1.91E-05	3.15E-05	6.64E-05	6.84E-01	7.14E-01	1.95E-01	2.87E-03	2.27E-03	9.14E-01	7.12E-01	2.24E-05	3.15E-05	6.64E-05	7.12E-01
5411	487173.5	3856853.74	6.12E-01	1.86E-05	3.10E-05	6.87E-05	6.12E-01	6.39E-01	1.90E-01	2.83E-03	2.35E-03	8.34E-01	6.37E-01	2.18E-05	3.10E-05	6.87E-05	6.38E-01
5412	487564.41	3856860.83	3.60E-01	1.71E-05	4.37E-05	6.25E-05	3.60E-01	3.76E-01	1.75E-01	3.99E-03	2.14E-03	5.56E-01	3.75E-01	2.00E-05	4.37E-05	6.25E-05	3.75E-01
5413	487563.31	3856931.58	3.61E-01	1.77E-05	4.56E-05	6.00E-05	3.61E-01	3.77E-01	1.81E-01	4.16E-03	2.05E-03	5.64E-01	3.76E-01	2.07E-05	4.56E-05	6.00E-05	3.76E-01
5414	487782.7	3856926.85	2.79E-01	1.69E-05	5.64E-05	5.81E-05	2.79E-01	2.91E-01	1.72E-01	5.14E-03	1.99E-03	4.70E-01	2.90E-01	1.97E-05	5.64E-05	5.81E-05	2.90E-01
5415	487782.39	3856757.07	2.81E-01	1.56E-05	4.93E-05	6.30E-05	2.81E-01	2.93E-01	1.59E-01	4.50E-03	2.15E-03	4.59E-01	2.92E-01	1.82E-05	4.93E-05	6.30E-05	2.92E-01
5416	487917.26	3856752.41	2.50E-01	1.53E-05	4.65E-05	6.12E-05	2.50E-01	2.60E-01	1.56E-01	4.24E-03	2.09E-03	4.23E-01	2.60E-01	1.79E-05	4.65E-05	6.12E-05	2.60E-01
5417	487919.57	3856953.35	2.39E-01	1.67E-05	5.79E-05	5.65E-05	2.39E-01	2.49E-01	1.70E-01	5.28E-03	1.93E-03	4.27E-01	2.48E-01	1.95E-05	5.79E-05	5.65E-05	2.49E-01
5418	487932.76	3857000.32	2.27E-01	1.68E-05	6.10E-05	5.56E-05	2.28E-01	2.37E-01	1.72E-01	5.56E-03	1.90E-03	4.17E-01	2.37E-01	1.97E-05	6.10E-05	5.56E-05	2.37E-01
5419	487960.5	3857044.75	2.12E-01	1.70E-05	6.36E-05	5.49E-05	2.12E-01	2.21E-01	1.73E-01	5.80E-03	1.88E-03	4.02E-01	2.21E-01	1.99E-05	6.36E-05	5.49E-05	2.21E-01
5420	488016.54	3857089.54	1.92E-01	1.70E-05	6.49E-05	5.41E-05	1.92E-01	2.00E-01	1.74E-01	5.92E-03	1.85E-03	3.82E-01	2.00E-01	1.99E-05	6.49E-05	5.41E-05	2.00E-01
5421	488114.39	3857165.47	1.61E-01	1.72E-05	6.92E-05	5.32E-05	1.61E-01	1.68E-01	1.75E-01	6.31E-03	1.82E-03	3.51E-01	1.67E-01	2.01E-05	6.92E-05	5.32E-05	1.67E-01
5422	488171.49	3857234.24	1.40E-01	1.75E-05	7.83E-05	5.32E-05	1.40E-01	1.46E-01	1.79E-01	7.14E-03	1.82E-03	3.33E-01	1.45E-01	2.05E-05	7.83E-05	5.32E-05	1.46E-01
5423	488193.16	3857297.8	1.24E-01	1.80E-05	8.90E-05	5.40E-05	1.25E-01	1.30E-01	1.84E-01	8.12E-03	1.85E-03	3.23E-01	1.30E-01	2.10E-05	8.90E-05	5.40E-05	1.30E-01
5424	488189.27	3857649.94	6.42E-02	2.15E-05	2.33E-04	6.84E-05	6.45E-02	6.70E-02	2.20E-01	2.12E-02	2.34E-03	3.10E-01	6.68E-02	2.51E-05	2.33E-04	6.84E-05	6.72E-02
5425	488127.43	3857732.32	5.40E-02	2.27E-05	3.09E-04	7.46E-05	5.44E-02	5.63E-02	2.32E-01	2.81E-02	2.55E-03	3.19E-01	5.62E-02	2.65E-05	3.09E-04	7.46E-05	5.66E-02

5426	488149.93	3857752.94	5.21E-02	2.28E-05	3.45E-04	7.62E-05	5.26E-02	5.44E-02	2.33E-01	3.14E-02	2.60E-03	3.22E-01	5.43E-02	2.67E-05	3.45E-04	7.62E-05	5.47E-02
5427	488144.76	3857758.71	5.15E-02	2.29E-05	3.51E-04	7.67E-05	5.20E-02	5.37E-02	2.34E-01	3.20E-02	2.62E-03	3.22E-01	5.36E-02	2.68E-05	3.51E-04	7.67E-05	5.41E-02
5428	488335.58	3857932.55	3.94E-02	2.56E-05	7.39E-03	9.25E-05	4.69E-02	4.11E-02	2.61E-01	6.74E-01	3.16E-03	9.80E-01	4.11E-02	2.99E-05	7.39E-03	9.25E-05	4.86E-02
5429	488372.29	3857943.79	3.90E-02	2.56E-05	7.34E-03	9.35E-05	4.65E-02	4.07E-02	2.62E-01	6.69E-01	3.20E-03	9.75E-01	4.06E-02	3.00E-05	7.34E-03	9.35E-05	4.81E-02
5430	488828.64	3857936.4	4.23E-02	2.31E-05	2.36E-03	8.71E-05	4.48E-02	4.42E-02	2.36E-01	2.15E-01	2.98E-03	4.98E-01	4.41E-02	2.70E-05	2.36E-03	8.71E-05	4.66E-02
5431	488829.08	3857959.58	4.11E-02	2.34E-05	2.28E-03	8.90E-05	4.35E-02	4.29E-02	2.39E-01	2.08E-01	3.04E-03	4.93E-01	4.28E-02	2.74E-05	2.28E-03	8.90E-05	4.52E-02
5432	488351.61	3857964.55	3.76E-02	2.62E-05	7.91E-03	9.61E-05	4.56E-02	3.92E-02	2.67E-01	7.22E-01	3.29E-03	1.03E+00	3.92E-02	3.06E-05	7.91E-03	9.61E-05	4.72E-02
5433	488316.87	3857947.65	3.83E-02	2.60E-05	8.05E-03	9.44E-05	4.65E-02	4.00E-02	2.65E-01	7.34E-01	3.23E-03	1.04E+00	3.99E-02	3.04E-05	8.05E-03	9.44E-05	4.81E-02
5434	488129.1	3857775.77	4.97E-02	2.32E-05	3.71E-04	7.83E-05	5.01E-02	5.18E-02	2.37E-01	3.38E-02	2.68E-03	3.25E-01	5.17E-02	2.71E-05	3.71E-04	7.83E-05	5.22E-02
5435	488062.53	3857846.13	4.29E-02	2.47E-05	4.71E-04	8.57E-05	4.35E-02	4.48E-02	2.53E-01	4.30E-02	2.93E-03	3.43E-01	4.47E-02	2.89E-05	4.71E-04	8.57E-05	4.53E-02
5436	488330.41	3858091.34	3.09E-02	2.87E-05	3.03E-03	1.15E-04	3.40E-02	3.22E-02	2.93E-01	2.76E-01	3.93E-03	6.06E-01	3.21E-02	3.36E-05	3.03E-03	1.15E-04	3.53E-02
5437	488470.87	3858174.45	2.87E-02	3.01E-05	1.34E-03	1.22E-04	3.01E-02	2.99E-02	3.07E-01	1.23E-01	4.18E-03	4.64E-01	2.98E-02	3.52E-05	1.34E-03	1.22E-04	3.13E-02
5438	488568.9	3858262.31	2.59E-02	3.20E-05	6.71E-04	1.28E-04	2.67E-02	2.70E-02	3.27E-01	6.12E-02	4.38E-03	4.20E-01	2.69E-02	3.75E-05	6.71E-04	1.28E-04	2.78E-02
5439	488964.27	3858025.71	3.82E-02	2.37E-05	1.52E-03	9.08E-05	3.98E-02	3.99E-02	2.43E-01	1.38E-01	3.11E-03	4.24E-01	3.98E-02	2.78E-05	1.52E-03	9.08E-05	4.14E-02
5440	489147.25	3857956.64	4.18E-02	2.16E-05	1.33E-03	8.30E-05	4.32E-02	4.36E-02	2.21E-01	1.21E-01	2.84E-03	3.88E-01	4.35E-02	2.53E-05	1.33E-03	8.30E-05	4.50E-02
5441	489343.52	3857932.45	4.27E-02	2.02E-05	1.06E-03	7.84E-05	4.38E-02	4.45E-02	2.06E-01	9.64E-02	2.68E-03	3.50E-01	4.44E-02	2.36E-05	1.06E-03	7.84E-05	4.56E-02
5442	489866.19	3857923.19	4.06E-02	1.78E-05	6.51E-04	7.30E-05	4.14E-02	4.24E-02	1.82E-01	5.94E-02	2.50E-03	2.87E-01	4.23E-02	2.09E-05	6.51E-04	7.30E-05	4.31E-02
5443	489955.65	3857902.27	4.08E-02	1.72E-05	6.21E-04	7.19E-05	4.15E-02	4.26E-02	1.76E-01	5.67E-02	2.46E-03	2.78E-01	4.25E-02	2.01E-05	6.21E-04	7.19E-05	4.32E-02
5444	490079.44	3857847.9	4.16E-02	1.65E-05	5.93E-04	6.96E-05	4.23E-02	4.34E-02	1.69E-01	5.40E-02	2.38E-03	2.69E-01	4.33E-02	1.93E-05	5.93E-04	6.96E-05	4.40E-02
5445	490108.49	3857934.13	3.88E-02	1.72E-05	5.45E-04	7.26E-05	3.95E-02	4.05E-02	1.75E-01	4.97E-02	2.48E-03	2.68E-01	4.04E-02	2.01E-05	5.45E-04	7.26E-05	4.11E-02
5446	489884.48	3858014.17	3.77E-02	1.88E-05	5.77E-04	7.67E-05	3.83E-02	3.93E-02	1.92E-01	5.26E-02	2.62E-03	2.86E-01	3.92E-02	2.20E-05	5.77E-04	7.67E-05	3.99E-02
5447	489326.56	3858025.86	3.88E-02	2.15E-05	9.27E-04	8.30E-05	3.98E-02	4.05E-02	2.20E-01	8.46E-02	2.84E-03	3.48E-01	4.04E-02	2.52E-05	9.27E-04	8.30E-05	4.15E-02
5448	489130.38	3858056.71	3.74E-02	2.30E-05	1.09E-03	8.87E-05	3.86E-02	3.91E-02	2.35E-01	9.91E-02	3.03E-03	3.76E-01	3.90E-02	2.69E-05	1.09E-03	8.87E-05	4.02E-02
5449	488936.49	3858143.93	3.28E-02	2.59E-05	1.02E-03	9.96E-05	3.39E-02	3.42E-02	2.65E-01	9.26E-02	3.41E-03	3.95E-01	3.41E-02	3.03E-05	1.02E-03	9.96E-05	3.53E-02
5450	488638.08	3858327.45	2.42E-02	3.30E-05	4.48E-04	1.31E-04	2.48E-02	2.53E-02	3.37E-01	4.09E-02	4.49E-03	4.08E-01	2.52E-02	3.86E-05	4.48E-04	1.31E-04	2.59E-02
5451	488663.79	3858349.57	2.38E-02	3.32E-05	3.97E-04	1.32E-04	2.43E-02	2.48E-02	3.39E-01	3.62E-02	4.51E-03	4.05E-01	2.48E-02	3.89E-05	3.97E-04	1.32E-04	2.53E-02
5452	488694.56	3858349.5	2.41E-02	3.28E-05	4.09E-04	1.30E-04	2.47E-02	2.52E-02	3.35E-01	3.73E-02	4.43E-03	4.02E-01	2.51E-02	3.84E-05	4.09E-04	1.30E-04	2.57E-02
5453	488694.35	3858336.75	2.45E-02	3.25E-05	4.43E-04	1.28E-04	2.52E-02	2.56E-02	3.32E-01	4.04E-02	4.39E-03	4.02E-01	2.56E-02	3.80E-05	4.43E-04	1.28E-04	2.62E-02
5454	488712.81	3858336.38	2.47E-02	3.23E-05	4.48E-04	1.27E-04	2.53E-02	2.58E-02	3.30E-01	4.09E-02	4.34E-03	4.01E-01	2.57E-02	3.77E-05	4.48E-04	1.27E-04	2.63E-02
5455	488713.23	3858367.46	2.38E-02	3.31E-05	3.72E-04	1.30E-04	2.43E-02	2.48E-02	3.38E-01	3.40E-02	4.46E-03	4.01E-01	2.47E-02	3.87E-05	3.72E-04	1.30E-04	2.53E-02
5456	488704.63	3858384.05	2.31E-02	3.37E-05	3.33E-04	1.33E-04	2.36E-02	2.41E-02	3.44E-01	3.04E-02	4.54E-03	4.03E-01	2.41E-02	3.94E-05	3.33E-04	1.33E-04	2.46E-02
5457	488604.15	3858488.29	2.19E-02	3.87E-05	1.49E-04	1.52E-04	2.22E-02	2.28E-02	3.95E-01	1.36E-02	5.21E-03	4.37E-01	2.28E-02	4.52E-05	1.49E-04	1.52E-04	2.31E-02
5458	488605.66	3858550.47	2.09E-02	4.13E-05	1.11E-04	1.57E-04	2.13E-02	2.19E-02	4.22E-01	1.01E-02	5.37E-03	4.59E-01	2.18E-02	4.83E-05	1.11E-04	1.57E-04	2.21E-02
5459	488692.68	3858548.71	2.10E-02	3.99E-05	1.29E-04	1.49E-04	2.13E-02	2.19E-02	4.08E-01	1.18E-02	5.09E-03	4.47E-01	2.19E-02	4.67E-05	1.29E-04	1.49E-04	2.22E-02
5460	488759.93	3858461.81	2.12E-02	3.53E-05	2.26E-04	1.37E-04	2.16E-02	2.21E-02	3.60E-01	2.06E-02	4.67E-03	4.08E-01	2.20E-02	4.13E-05	2.26E-04	1.37E-04	2.25E-02
5461	488816.57	3858541.79	1.87E-02	3.77E-05	1.61E-04	1.39E-04	1.91E-02	1.96E-02	3.85E-01	1.47E-02	4.74E-03	4.24E-01	1.95E-02	4.41E-05	1.61E-04	1.39E-04	1.99E-02
5462	488944.63	3858656.77	1.74E-02	4.28E-05	1.15E-04	1.41E-04	1.77E-02	1.81E-02	4.38E-01	1.05E-02	4.81E-03	4.71E-01	1.81E-02	5.01E-05	1.15E-04	1.41E-04	1.84E-02
5463	489134.91	3858830.7	1.55E-02	5.34E-05	7.92E-05	1.57E-04	1.58E-02	1.62E-02	5.46E-01	7.22E-03	5.36E-03	5.75E-01	1.62E-02	6.25E-05	7.92E-05	1.57E-04	1.65E-02
5464	489193.99	3858886.05	1.49E-02	5.63E-05	7.19E-05	1.66E-04	1.52E-02	1.56E-02	5.75E-01	6.55E-03	5.67E-03	6.03E-01	1.55E-02	6.58E-05	7.19E-05	1.66E-04	1.58E-02
5465	489295.2	3858954.34	1.47E-02	5.73E-05	6.60E-05	1.74E-04	1.50E-02	1.54E-02	5.85E-01	6.02E-03	5.96E-03	6.13E-01	1.53E-02	6.70E-05	6.60E-05	1.74E-04	1.57E-02
5466	489295.64	3858992.74	1.42E-02	5.99E-05	6.08E-05	1.82E-04	1.45E-02	1.49E-02	6.12E-01	5.55E-03	6.23E-03	6.39E-01	1.48E-02	7.01E-05	6.08E-05	1.82E-04	1.51E-02
5467	489183.74	3858911.72	1.48E-02	5.91E-05	6.71E-05	1.72E-04	1.51E-02	1.55E-02	6.04E-01	6.12E-03	5.87E-03	6.32E-01	1.55E-02	6.92E-05	6.71E-05	1.72E-04	1.58E-02
5468	488873.37	3858625.59	1.79E-02	4.18E-05	1.20E-04	1.41E-04	1.82E-02	1.87E-02	4.27E-01	1.09E-02	4.83E-03	4.61E-01	1.87E-02	4.89E-05	1.20E-04	1.41E-04	1.90E-02
5469	488842.84	3858658.69	1.94E-02	4.48E-05	1.01E-04	1.46E-04	1.97E-02	2.03E-02	4.58E-01	9.22E-03	5.00E-03	4.93E-01	2.02E-02	5.25E-05	1.01E-04	1.46E-04	2.05E-02
5470	488856.39	3858670.93	1.93E-02	4.55E-05	9.84E-05	1.46E-04	1.96E-02	2.01E-02	4.65E-01	8.98E-03	5.01E-03	4.99E-01	2.01E-02	5.33E-05	9.84E-05	1.46E-04	2.04E-02
5471	488805.7	3858724.5	1.89E-02	5.21E-05	7.69E-05	1.56E-04	1.91E-02	1.97E-02	5.32E-01	7.01E-03	5.33E-03	5.64E-01	1.96E-02	6.10E-05	7.69E-05	1.56E-04	1.99E-02
5472	488805.87	3858804.16	1.78E-02	6.39E-05	6.13E-05	1.68E-04	1.81E-02	1.86E-02	6.53E-01	5.59E-03	5.75E-03	6.82E-01	1.86E-02	7.47E-05	6.13E-05	1.68E-04	1.89E-02
5473	488995.78	3858936.96	1.66E-02	7.46E-05	5.37E-05	1.86E-04	1.69E-02	1.74E-02	7.62E-01	4.90E-03	6.37E-03	7.91E-01	1.73E-02	8.73E-05	5.37E-05	1.86E-04	1.76E-02
5474	489130.76	3859017.38	1.59E-02	7.21E-05	5.12E-05	2.00E-04	1.63E-02	1.66E-02	7.37E-01	4.67E-03	6.85E-03	7.65E-01	1.66E-02	8.44E-05	5.12E-05	2.00E-04	1.69E-02
5475	489130.92	3859052.24	1.55E-02	7.46E-05	4.79E-05	2.10E-04	1.58E-02	1.61E-02	7.63E-01	4.37E-03	7.19E-03	7.90E-01	1.61E-02	8.73E-05	4.79E-05	2.10E-04	1.65E-02
5476	489200.33	3859090.6	1.51E-02	7.15E-05	4.71E-05	2.15E-04	1.55E-02	1.58E-02	7.30E-01	4.30E-03	7.35E-03	7.58E-01	1.58E-02	8.36E-05	4.71E-05	2.15E-04	1.61E-02
5477	489296.07	3859143.7	1.43E-02	6.72E-05	4.60E-05	2.21E-04	1.46E-02	1.49E-02	6.86E-01	4.19E-03	7.55E-03	7.13E-01	1.49E-02	7.86E-05	4.60E-05	2.21E-04	1.52E-02
5478	489296.43	3858954.74	1.47E-02	5.73E-05	6.60E-05	1.74E-04	1.50E-02	1.54E-02	5.85E-01	6.02E-03	5.96E-03	6.12E-01	1.54E-02	6.70E-05	6.60E-05	1.74E-04	1.57E-02
5479	489410.33	3859033.19	1.47E-02	5.64E-05	6.03E-05	1.82E-04	1.50E-02	1.53E-02	5.76E-01	5.50E-03	6.24E-03	6.04E-01	1.53E-02	6.60E-05	6.03E-05	1.82E-04	1.56E-02
5480	489371.37	3859089.8	1.44E-02	6.08E-05	5.30E-05	1.99E-04	1.47E-02	1.50E-02	6.21E-01	4.83E-03	6.79E-03	6.48E-01	1.50E-02	7.12E-05	5.30E-05	1.99E-04	1.53E-02
5481	489390.52	3859102.82	1.43E-02	6.03E-05	5.24E-05	2.00E-04	1.46E-02	1.49E-02	6.16E-01	4.78E-03	6.85E-03	6.43E-01	1.49E-02	7.06E-05	5.24E-05	2.00E-04	1.52E-02
5482	489382.3	3859114.53	1.43E-02	6.11E-05	5.11E-05	2.04E-04	1.47E-02	1.50E-02	6.24E-01	4.66E-03	6.97E-03	6.51E-01	1.49E-02	7.15E-05	5.11E-05	2.04E-04	1.53E-02
5483	489363.04	3859102.45	1.44E-02	6.17E-05	5.16E-05	2.03E-04	1.47E-02	1.51E-02	6.30E-01	4.71E-03	6.93E-03	6.57E-01	1.50E-02	7.22E-05	5.16E-05	2.03E-04	1.53E-02
5484	489337.52	3859140.71	1.44E-02	6.45E-05	4.75E-05	2.15E-04	1.47E-02	1.50E-02	6.59E-01	4.33E-03	7.37E-03	6.86E-01	1.50E-02	7.55E-05	4.75E-05	2.15E-04	1.53E-02
5485	489375.14	3859164.55	1.43E-02	6.30E-05	4.68E-05	2.18E-04	1.46E-02	1.49E-02	6.43E-01	4.27E-03	7.45E-03	6.70E-01	1.48E-02	7.37E-05	4.68E-05	2.18E-04	1.52E-02
5486	489409.3	3859114.5	1.42E-02	5.97E-05	5.19E-05	2.01E-04	1.46E-02	1.49E-02	6.10E-01	4.73E-03	6.89E-03	6.37E-01	1.48E-02	6.99E-05	5.19E-05	2.01E-04	1.52E-02

5487	489434.87	3859131.81	1.42E-02	5.89E-05	5.12E-05	2.03E-04	1.45E-02	1.48E-02	6.02E-01	4.67E-03	6.95E-03	6.28E-01	1.48E-02	6.89E-05	5.12E-05	2.03E-04	1.51E-02
5488	489471.87	3859075.75	1.45E-02	5.53E-05	5.76E-05	1.87E-04	1.48E-02	1.52E-02	5.65E-01	5.25E-03	6.39E-03	5.92E-01	1.51E-02	6.47E-05	5.76E-05	1.87E-04	1.54E-02
5489	489602.62	3859164.69	1.40E-02	5.22E-05	5.28E-05	1.93E-04	1.43E-02	1.46E-02	5.33E-01	4.81E-03	6.59E-03	5.59E-01	1.46E-02	6.10E-05	5.28E-05	1.93E-04	1.49E-02
5490	489558.29	3859232.45	1.37E-02	5.49E-05	4.67E-05	2.09E-04	1.40E-02	1.43E-02	5.61E-01	4.26E-03	7.15E-03	5.86E-01	1.42E-02	6.42E-05	4.67E-05	2.09E-04	1.46E-02
5491	489620.11	3859273.56	1.34E-02	5.28E-05	4.52E-05	2.07E-04	1.37E-02	1.40E-02	5.39E-01	4.13E-03	7.06E-03	5.64E-01	1.40E-02	6.17E-05	4.52E-05	2.07E-04	1.43E-02
5492	489666.06	3859206.42	1.38E-02	5.05E-05	5.08E-05	1.92E-04	1.41E-02	1.44E-02	5.16E-01	4.63E-03	6.57E-03	5.41E-01	1.43E-02	5.91E-05	5.08E-05	1.92E-04	1.46E-02
5493	489787.9	3859285.65	1.32E-02	4.70E-05	4.74E-05	1.86E-04	1.35E-02	1.38E-02	4.81E-01	4.32E-03	6.37E-03	5.05E-01	1.38E-02	5.50E-05	4.74E-05	1.86E-04	1.41E-02
5494	489752.17	3859343.13	1.30E-02	4.82E-05	4.35E-05	1.96E-04	1.32E-02	1.35E-02	4.93E-01	3.97E-03	6.70E-03	5.17E-01	1.35E-02	5.64E-05	4.35E-05	1.96E-04	1.38E-02
5495	489814.94	3859385.33	1.27E-02	4.62E-05	4.22E-05	1.91E-04	1.30E-02	1.32E-02	4.72E-01	3.85E-03	6.55E-03	4.96E-01	1.32E-02	5.41E-05	4.22E-05	1.91E-04	1.35E-02
5496	489853.42	3859330.74	1.29E-02	4.53E-05	4.56E-05	1.82E-04	1.32E-02	1.35E-02	4.62E-01	4.16E-03	6.24E-03	4.86E-01	1.35E-02	5.29E-05	4.56E-05	1.82E-04	1.37E-02
5497	489969.5	3859401.91	1.25E-02	4.22E-05	4.33E-05	1.74E-04	1.27E-02	1.30E-02	4.32E-01	3.95E-03	5.96E-03	4.55E-01	1.30E-02	4.94E-05	4.33E-05	1.74E-04	1.33E-02
5498	490166.91	3859486.96	1.19E-02	3.82E-05	4.11E-05	1.57E-04	1.21E-02	1.24E-02	3.90E-01	3.75E-03	5.38E-03	4.12E-01	1.24E-02	4.47E-05	4.11E-05	1.57E-04	1.26E-02
5499	490128.86	3859571.46	1.14E-02	3.88E-05	3.72E-05	1.61E-04	1.17E-02	1.19E-02	3.97E-01	3.39E-03	5.52E-03	4.17E-01	1.19E-02	4.54E-05	3.72E-05	1.61E-04	1.22E-02
5500	490186.65	3859593.65	1.13E-02	3.78E-05	3.69E-05	1.55E-04	1.15E-02	1.18E-02	3.86E-01	3.36E-03	5.30E-03	4.06E-01	1.18E-02	4.42E-05	3.69E-05	1.55E-04	1.20E-02
5501	490223.74	3859517.48	1.17E-02	3.72E-05	4.03E-05	1.52E-04	1.19E-02	1.22E-02	3.80E-01	3.68E-03	5.21E-03	4.01E-01	1.22E-02	4.35E-05	4.03E-05	1.52E-04	1.24E-02
5502	490846.34	3859817.22	1.02E-02	2.80E-05	3.51E-05	9.76E-05	1.03E-02	1.06E-02	2.86E-01	3.20E-03	3.34E-03	3.04E-01	1.06E-02	3.28E-05	3.51E-05	9.76E-05	1.07E-02
5503	490925.65	3859844.59	1.00E-02	2.70E-05	3.48E-05	9.27E-05	1.02E-02	1.05E-02	2.76E-01	3.17E-03	3.17E-03	2.93E-01	1.05E-02	3.16E-05	3.48E-05	9.27E-05	1.06E-02
5504	491159.29	3859896.28	9.78E-03	2.49E-05	3.43E-05	8.22E-05	9.92E-03	1.02E-02	2.54E-01	3.13E-03	2.81E-03	2.70E-01	1.02E-02	2.91E-05	3.43E-05	8.22E-05	1.03E-02
5505	491370.69	3859960.89	9.44E-03	2.30E-05	3.28E-05	7.38E-05	9.57E-03	9.85E-03	2.35E-01	3.00E-03	2.53E-03	2.50E-01	9.83E-03	2.69E-05	3.28E-05	7.38E-05	9.96E-03
5506	491330.28	3860063.17	8.88E-03	2.29E-05	2.96E-05	7.06E-05	9.00E-03	9.26E-03	2.34E-01	2.70E-03	2.41E-03	2.48E-01	9.24E-03	2.67E-05	2.96E-05	7.06E-05	9.37E-03
5507	491636.45	3860180.75	8.46E-03	1.98E-05	2.84E-05	5.90E-05	8.57E-03	8.83E-03	2.02E-01	2.59E-03	2.02E-03	2.16E-01	8.81E-03	2.31E-05	2.84E-05	5.90E-05	8.92E-03
5508	491617.94	3860203.93	8.35E-03	1.97E-05	2.78E-05	5.82E-05	8.46E-03	8.71E-03	2.02E-01	2.54E-03	1.99E-03	2.15E-01	8.70E-03	2.31E-05	2.78E-05	5.82E-05	8.81E-03
5509	491805.68	3860271.59	8.12E-03	1.81E-05	2.72E-05	5.26E-05	8.22E-03	8.48E-03	1.85E-01	2.48E-03	1.80E-03	1.97E-01	8.46E-03	2.11E-05	2.72E-05	5.26E-05	8.56E-03
5510	491654.23	3860414.02	7.47E-03	1.78E-05	2.40E-05	4.76E-05	7.56E-03	7.79E-03	1.81E-01	2.19E-03	1.63E-03	1.93E-01	7.78E-03	2.08E-05	2.40E-05	4.76E-05	7.87E-03
5511	491592.62	3860510.76	7.29E-03	1.71E-05	2.23E-05	4.33E-05	7.37E-03	7.61E-03	1.75E-01	2.03E-03	1.48E-03	1.86E-01	7.59E-03	2.00E-05	2.23E-05	4.33E-05	7.68E-03
5512	491475.41	3860368.93	7.67E-03	1.91E-05	2.39E-05	5.07E-05	7.77E-03	8.01E-03	1.95E-01	2.18E-03	1.73E-03	2.07E-01	7.99E-03	2.24E-05	2.39E-05	5.07E-05	8.09E-03
5513	491445.61	3860337.28	7.77E-03	1.96E-05	2.43E-05	5.27E-05	7.86E-03	8.10E-03	2.01E-01	2.21E-03	1.80E-03	2.13E-01	8.09E-03	2.30E-05	2.43E-05	5.27E-05	8.19E-03
5514	491399.05	3860300.37	7.90E-03	2.03E-05	2.48E-05	5.53E-05	8.00E-03	8.24E-03	2.08E-01	2.26E-03	1.89E-03	2.20E-01	8.22E-03	2.38E-05	2.48E-05	5.53E-05	8.33E-03
5515	491228.84	3860235.98	8.15E-03	2.23E-05	2.53E-05	6.18E-05	8.26E-03	8.50E-03	2.27E-01	2.31E-03	2.11E-03	2.40E-01	8.49E-03	2.60E-05	2.53E-05	6.18E-05	8.60E-03
5516	491228.47	3860174.57	8.35E-03	2.29E-05	2.65E-05	6.58E-05	8.47E-03	8.72E-03	2.34E-01	2.41E-03	2.25E-03	2.47E-01	8.70E-03	2.67E-05	2.65E-05	6.58E-05	8.82E-03
5517	491145.77	3860112.55	8.61E-03	2.41E-05	2.75E-05	7.21E-05	8.73E-03	8.99E-03	2.47E-01	2.51E-03	2.46E-03	2.61E-01	8.97E-03	2.82E-05	2.75E-05	7.21E-05	9.10E-03
5518	490844.41	3859966.22	9.31E-03	2.81E-05	3.01E-05	8.98E-05	9.46E-03	9.72E-03	2.87E-01	2.75E-03	3.07E-03	3.02E-01	9.70E-03	3.28E-05	3.01E-05	8.98E-05	9.85E-03
5519	490845.55	3859928.15	9.42E-03	2.81E-05	3.12E-05	9.18E-05	9.57E-03	9.83E-03	2.88E-01	2.84E-03	3.14E-03	3.03E-01	9.81E-03	3.29E-05	3.12E-05	9.18E-05	9.96E-03
5520	490046.91	3859625.6	1.11E-02	4.01E-05	3.49E-05	1.69E-04	1.14E-02	1.16E-02	4.10E-01	3.18E-03	5.79E-03	4.31E-01	1.16E-02	4.70E-05	3.49E-05	1.69E-04	1.18E-02
5521	489970.48	3859589.4	1.14E-02	4.17E-05	3.55E-05	1.80E-04	1.16E-02	1.18E-02	4.26E-01	3.24E-03	6.15E-03	4.47E-01	1.18E-02	4.87E-05	3.55E-05	1.80E-04	1.21E-02
5522	489865.89	3859529.06	1.17E-02	4.41E-05	3.67E-05	1.94E-04	1.20E-02	1.22E-02	4.51E-01	3.34E-03	6.64E-03	4.73E-01	1.22E-02	5.16E-05	3.67E-05	1.94E-04	1.25E-02
5523	489826.89	3859531.74	1.18E-02	4.50E-05	3.61E-05	2.00E-04	1.21E-02	1.23E-02	4.60E-01	3.30E-03	6.84E-03	4.82E-01	1.23E-02	5.27E-05	3.61E-05	2.00E-04	1.26E-02
5524	489410.47	3859303.06	1.32E-02	6.26E-05	3.88E-05	2.44E-04	1.35E-02	1.37E-02	6.40E-01	3.54E-03	8.34E-03	6.65E-01	1.37E-02	7.33E-05	3.88E-05	2.44E-04	1.41E-02
5525	489407.15	3859286.09	1.32E-02	6.28E-05	3.97E-05	2.41E-04	1.35E-02	1.38E-02	6.41E-01	3.62E-03	8.25E-03	6.67E-01	1.37E-02	7.35E-05	3.97E-05	2.41E-04	1.41E-02
5526	488806.07	3858963.62	1.60E-02	1.08E-04	4.41E-05	2.04E-04	1.63E-02	1.67E-02	1.11E+00	4.03E-03	6.96E-03	1.13E+00	1.66E-02	1.27E-04	4.41E-05	2.04E-04	1.70E-02
5527	488817.64	3859546.3	1.16E-02	1.26E-04	2.13E-05	5.54E-04	1.23E-02	1.21E-02	1.29E+00	1.94E-03	1.90E-02	1.32E+00	1.20E-02	1.47E-04	2.13E-05	5.54E-04	1.28E-02
5528	489187.25	3859549.52	1.19E-02	6.94E-05	2.76E-05	3.77E-04	1.24E-02	1.24E-02	7.09E-01	2.52E-03	1.29E-02	7.37E-01	1.24E-02	8.12E-05	2.76E-05	3.77E-04	1.29E-02
5529	489187.66	3859523.74	1.21E-02	7.11E-05	2.82E-05	3.68E-04	1.25E-02	1.26E-02	7.26E-01	2.57E-03	1.26E-02	7.54E-01	1.26E-02	8.31E-05	2.82E-05	3.68E-04	1.30E-02
5530	489232.59	3859522.85	1.14E-02	6.79E-05	2.88E-05	3.49E-04	1.19E-02	1.19E-02	6.93E-01	2.62E-03	1.19E-02	7.20E-01	1.19E-02	7.94E-05	2.88E-05	3.49E-04	1.23E-02
5531	489224.98	3859759.91	1.06E-02	5.93E-05	2.38E-05	3.67E-04	1.11E-02	1.11E-02	6.06E-01	2.17E-03	1.26E-02	6.32E-01	1.11E-02	6.94E-05	2.38E-05	3.67E-04	1.15E-02
5532	488401.39	3859763.34	1.02E-02	1.66E-04	1.73E-05	1.07E-03	1.15E-02	1.07E-02	1.70E+00	1.58E-03	3.66E-02	1.75E+00	1.06E-02	1.95E-04	1.73E-05	1.07E-03	1.19E-02
5533	488405.51	3859966.16	9.25E-03	1.70E-04	1.61E-05	3.09E-04	9.74E-03	9.65E-03	1.74E+00	1.47E-03	1.06E-02	1.76E+00	9.63E-03	1.99E-04	1.61E-05	3.09E-04	1.02E-02
5534	489202.85	3859956.57	9.72E-03	6.38E-05	1.99E-05	3.23E-04	1.01E-02	1.01E-02	6.51E-01	1.81E-03	1.11E-02	6.74E-01	1.01E-02	7.46E-05	1.99E-05	3.23E-04	1.05E-02
5535	489191.9	3860676.74	7.08E-03	4.54E-05	1.17E-05	7.17E-05	7.21E-03	7.38E-03	4.64E-01	1.07E-03	2.45E-03	4.75E-01	7.37E-03	5.31E-05	1.17E-05	7.17E-05	7.51E-03
5536	488392.82	3860687.88	6.71E-03	4.40E-05	1.40E-05	6.86E-05	6.84E-03	7.00E-03	4.49E-01	1.28E-03	2.34E-03	4.60E-01	6.99E-03	5.15E-05	1.40E-05	6.86E-05	7.12E-03
5537	488392.82	3860760.27	6.56E-03	3.24E-05	1.39E-05	5.56E-05	6.66E-03	6.84E-03	3.31E-01	1.27E-03	1.90E-03	3.41E-01	6.83E-03	3.79E-05	1.39E-05	5.56E-05	6.94E-03
5538	487549.05	3860777.45	6.31E-03	1.82E-05	1.31E-05	3.43E-05	6.38E-03	6.59E-03	1.86E-01	1.19E-03	1.17E-03	1.95E-01	6.57E-03	2.13E-05	1.31E-05	3.43E-05	6.64E-03
5539	487554.62	3859571.83	1.08E-02	7.37E-05	1.78E-05	1.28E-04	1.10E-02	1.13E-02	7.53E-01	1.62E-03	4.38E-03	7.70E-01	1.12E-02	8.62E-05	1.78E-05	1.28E-04	1.15E-02
5540	485949.46	3859558.54	1.07E-02	1.70E-05	2.76E-05	3.39E-05	1.08E-02	1.12E-02	1.74E-01	2.52E-03	1.16E-03	1.89E-01	1.11E-02	1.99E-05	2.76E-05	3.39E-05	1.12E-02
5541	485947.55	3857943.61	3.36E-02	3.88E-05	4.00E-05	4.65E-05	3.38E-02	3.51E-02	3.97E-01	3.64E-03	1.59E-03	4.37E-01	3.50E-02	4.54E-05	4.00E-05	4.65E-05	3.52E-02
5542	484738.38	3857940.21	2.56E-02	1.77E-05	2.60E-05	3.05E-05	2.57E-02	2.67E-02	1.81E-01	2.37E-03	1.04E-03	2.11E-01	2.67E-02	2.08E-05	2.60E-05	3.05E-05	2.67E-02
5543	484737.06	3857535.68	3.29E-02	3.28E-05	2.62E-05	3.81E-05	3.30E-02	3.44E-02	3.35E-01	2.39E-03	1.30E-03	3.73E-01	3.43E-02	3.84E-05	2.62E-05	3.81E-05	3.44E-02
5544	483730.2	3857530.13	2.30E-02	1.72E-05	1.99E-05	3.63E-05	2.31E-02	2.40E-02	1.75E-01	1.81E-03	1.24E-03	2.03E-01	2.40E-02	2.01E-05	1.99E-05	3.63E-05	2.40E-02
5545	483727.27	3857130.01	2.71E-02	3.26E-05	2.21E-05	5.00E-05	2.72E-02	2.83E-02	3.33E-01	2.01E-03	1.71E-03	3.65E-01	2.83E-02	3.81E-05	2.21E-05	5.00E-05	2.84E-02
5546	483124.42	3857123.45	2.08E-02	1.61E-05	1.92E-05	3.63E-05	2.09E-02	2.17E-02	1.65E-01	1.75E-03	1.24E-03	1.89E-01	2.17E-02	1.88E-05	1.92E-05	3.63E-05	2.18E-02
5547	483111.13	3855921.03	2.81E-02	3.40E-05	1.62E-05	9.05E-05	2.83E-02	2.93E-02	3.47E-01	1.47E-03	3.10E-03	3.81E-01	2.93E-02	3.98E-05	1.62E-05	9.05E-05	2.94E-02

5548	482701.73	3855918.24	2.20E-02	1.72E-05	1.70E-05	5.57E-05	2.21E-02	2.30E-02	1.76E-01	1.55E-03	1.91E-03	2.02E-01	2.29E-02	2.01E-05	1.70E-05	5.57E-05	2.30E-02
5549	482668.02	3853521.78	7.58E-03	1.87E-06	6.70E-06	1.57E-05	7.61E-03	7.91E-03	1.91E-02	6.11E-04	5.36E-04	2.82E-02	7.90E-03	2.19E-06	6.70E-06	1.57E-05	7.92E-03
5550	482579.91	3853219.19	7.15E-03	1.60E-06	6.36E-06	1.35E-05	7.17E-03	7.46E-03	1.64E-02	5.80E-04	4.62E-04	2.49E-02	7.44E-03	1.88E-06	6.36E-06	1.35E-05	7.46E-03
5551	482434.06	3852961.94	6.87E-03	1.41E-06	6.04E-06	1.20E-05	6.89E-03	7.17E-03	1.44E-02	5.51E-04	4.10E-04	2.25E-02	7.16E-03	1.65E-06	6.04E-06	1.20E-05	7.18E-03
5552	482332.11	3852832.85	6.61E-03	1.33E-06	5.91E-06	1.13E-05	6.63E-03	6.89E-03	1.36E-02	5.39E-04	3.85E-04	2.14E-02	6.88E-03	1.56E-06	5.91E-06	1.13E-05	6.90E-03
5553	481334.99	3851818.96	4.59E-03	9.84E-07	5.02E-06	8.01E-06	4.60E-03	4.78E-03	1.01E-02	4.58E-04	2.74E-04	1.56E-02	4.77E-03	1.15E-06	5.02E-06	8.01E-06	4.79E-03
5554	481127.62	3851646.36	4.28E-03	9.55E-07	4.89E-06	7.64E-06	4.30E-03	4.47E-03	9.76E-03	4.46E-04	2.61E-04	1.49E-02	4.46E-03	1.12E-06	4.89E-06	7.64E-06	4.47E-03
5555	481025.04	3851591.73	4.12E-03	9.48E-07	4.85E-06	7.51E-06	4.13E-03	4.30E-03	9.69E-03	4.42E-04	2.57E-04	1.47E-02	4.29E-03	1.11E-06	4.85E-06	7.51E-06	4.30E-03
5556	480513.6	3851335.76	3.29E-03	8.91E-07	4.70E-06	6.93E-06	3.31E-03	3.44E-03	9.11E-03	4.29E-04	2.37E-04	1.32E-02	3.43E-03	1.04E-06	4.70E-06	6.93E-06	3.44E-03
5557	480523.56	3851317.66	3.33E-03	8.84E-07	4.68E-06	6.93E-06	3.35E-03	3.48E-03	9.03E-03	4.27E-04	2.37E-04	1.32E-02	3.47E-03	1.03E-06	4.68E-06	6.93E-06	3.48E-03
5558	476921.56	3849569.11	1.67E-03	5.28E-07	3.70E-06	5.06E-06	1.68E-03	1.75E-03	5.40E-03	3.37E-04	1.73E-04	7.65E-03	1.74E-03	6.18E-07	3.70E-06	5.06E-06	1.75E-03
5559	476521.19	3849373.96	1.59E-03	4.53E-07	3.59E-06	4.95E-06	1.60E-03	1.66E-03	4.63E-03	3.28E-04	1.69E-04	6.79E-03	1.66E-03	5.30E-07	3.59E-06	4.95E-06	1.67E-03
5560	476391.45	3849333.38	1.58E-03	4.36E-07	3.55E-06	4.95E-06	1.59E-03	1.65E-03	4.45E-03	3.24E-04	1.69E-04	6.59E-03	1.64E-03	5.10E-07	3.55E-06	4.95E-06	1.65E-03
5561	476219.41	3849304.29	1.57E-03	4.12E-07	3.51E-06	4.95E-06	1.58E-03	1.64E-03	4.21E-03	3.20E-04	1.69E-04	6.34E-03	1.63E-03	4.83E-07	3.51E-06	4.95E-06	1.64E-03
5562	475679.11	3849218.47	1.53E-03	3.51E-07	3.42E-06	4.95E-06	1.54E-03	1.59E-03	3.58E-03	3.12E-04	1.69E-04	5.66E-03	1.59E-03	4.10E-07	3.42E-06	4.95E-06	1.60E-03
5563	475677.71	3849233.88	1.54E-03	3.53E-07	3.42E-06	4.95E-06	1.54E-03	1.60E-03	3.61E-03	3.12E-04	1.69E-04	5.69E-03	1.60E-03	4.13E-07	3.42E-06	4.95E-06	1.61E-03
5564	475492.74	3849204.66	1.43E-03	2.93E-07	3.40E-06	4.93E-06	1.44E-03	1.49E-03	2.99E-03	3.10E-04	1.69E-04	4.96E-03	1.49E-03	3.42E-07	3.40E-06	4.93E-06	1.50E-03
5565	475497.64	3849158.75	1.45E-03	3.09E-07	3.38E-06	4.91E-06	1.46E-03	1.52E-03	3.16E-03	3.08E-04	1.68E-04	5.15E-03	1.51E-03	3.61E-07	3.38E-06	4.91E-06	1.52E-03
5566	475391.35	3849141.94	1.48E-03	3.25E-07	3.38E-06	4.91E-06	1.49E-03	1.55E-03	3.32E-03	3.08E-04	1.68E-04	5.35E-03	1.54E-03	3.80E-07	3.38E-06	4.91E-06	1.55E-03
5567	475277	3849095.47	1.48E-03	3.28E-07	3.36E-06	4.87E-06	1.49E-03	1.54E-03	3.35E-03	3.06E-04	1.66E-04	5.37E-03	1.54E-03	3.84E-07	3.36E-06	4.87E-06	1.55E-03
5568	475183.93	3849025.66	1.45E-03	3.22E-07	3.34E-06	4.84E-06	1.46E-03	1.51E-03	3.29E-03	3.04E-04	1.66E-04	5.27E-03	1.51E-03	3.77E-07	3.34E-06	4.84E-06	1.52E-03
5569	474453.23	3848378.77	1.25E-03	2.85E-07	3.15E-06	4.50E-06	1.26E-03	1.30E-03	2.91E-03	2.87E-04	1.54E-04	4.65E-03	1.30E-03	3.33E-07	3.15E-06	4.50E-06	1.31E-03
5570	474569.63	3848399.34	1.25E-03	2.80E-07	3.17E-06	4.52E-06	1.25E-03	1.30E-03	2.86E-03	2.89E-04	1.55E-04	4.61E-03	1.30E-03	3.28E-07	3.17E-06	4.52E-06	1.31E-03
5571	474644.33	3848464.52	1.27E-03	2.86E-07	3.17E-06	4.54E-06	1.28E-03	1.32E-03	2.92E-03	2.89E-04	1.55E-04	4.69E-03	1.32E-03	3.34E-07	3.17E-06	4.54E-06	1.33E-03
5572	474719.04	3848529.7	1.29E-03	2.90E-07	3.19E-06	4.59E-06	1.29E-03	1.34E-03	2.96E-03	2.91E-04	1.57E-04	4.75E-03	1.34E-03	3.39E-07	3.19E-06	4.59E-06	1.35E-03
5573	474793.74	3848594.88	1.30E-03	2.90E-07	3.21E-06	4.61E-06	1.31E-03	1.35E-03	2.96E-03	2.93E-04	1.58E-04	4.76E-03	1.35E-03	3.39E-07	3.21E-06	4.61E-06	1.36E-03
5574	474868.45	3848660.07	1.31E-03	2.87E-07	3.23E-06	4.65E-06	1.31E-03	1.36E-03	2.94E-03	2.95E-04	1.59E-04	4.75E-03	1.36E-03	3.36E-07	3.23E-06	4.65E-06	1.37E-03
5575	474943.15	3848725.25	1.32E-03	2.88E-07	3.25E-06	4.67E-06	1.33E-03	1.38E-03	2.94E-03	2.97E-04	1.60E-04	4.78E-03	1.38E-03	3.37E-07	3.25E-06	4.67E-06	1.38E-03
5576	475017.86	3848790.43	1.34E-03	2.93E-07	3.27E-06	4.71E-06	1.35E-03	1.40E-03	3.00E-03	2.99E-04	1.61E-04	4.86E-03	1.40E-03	3.43E-07	3.27E-06	4.71E-06	1.41E-03
5577	475092.56	3848855.61	1.37E-03	3.01E-07	3.30E-06	4.74E-06	1.38E-03	1.43E-03	3.08E-03	3.01E-04	1.62E-04	4.97E-03	1.43E-03	3.52E-07	3.30E-06	4.74E-06	1.44E-03
5578	475232.58	3848959.38	1.41E-03	3.11E-07	3.32E-06	4.80E-06	1.42E-03	1.47E-03	3.18E-03	3.02E-04	1.64E-04	5.12E-03	1.47E-03	3.64E-07	3.32E-06	4.80E-06	1.48E-03
5579	475368.47	3849029.98	1.43E-03	3.14E-07	3.34E-06	4.84E-06	1.44E-03	1.49E-03	3.20E-03	3.04E-04	1.66E-04	5.17E-03	1.49E-03	3.67E-07	3.34E-06	4.84E-06	1.50E-03
5580	475609.57	3849096.09	1.44E-03	3.15E-07	3.38E-06	4.87E-06	1.45E-03	1.50E-03	3.22E-03	3.08E-04	1.66E-04	5.20E-03	1.50E-03	3.69E-07	3.38E-06	4.87E-06	1.51E-03
5581	475680.68	3849116.62	1.46E-03	3.29E-07	3.40E-06	4.87E-06	1.47E-03	1.53E-03	3.36E-03	3.10E-04	1.66E-04	5.37E-03	1.52E-03	3.85E-07	3.40E-06	4.87E-06	1.53E-03
5582	475843.76	3849151.52	1.49E-03	3.49E-07	3.42E-06	4.89E-06	1.50E-03	1.55E-03	3.57E-03	3.12E-04	1.67E-04	5.60E-03	1.55E-03	4.08E-07	3.42E-06	4.89E-06	1.56E-03
5583	475935.73	3849165.89	1.51E-03	3.70E-07	3.44E-06	4.89E-06	1.52E-03	1.57E-03	3.78E-03	3.14E-04	1.67E-04	5.83E-03	1.57E-03	4.33E-07	3.44E-06	4.89E-06	1.58E-03
5584	476027.71	3849180.27	1.52E-03	3.89E-07	3.47E-06	4.89E-06	1.53E-03	1.59E-03	3.98E-03	3.16E-04	1.67E-04	6.05E-03	1.58E-03	4.55E-07	3.47E-06	4.89E-06	1.59E-03
5585	476119.68	3849194.64	1.52E-03	3.88E-07	3.49E-06	4.89E-06	1.52E-03	1.58E-03	3.96E-03	3.18E-04	1.67E-04	6.03E-03	1.58E-03	4.54E-07	3.49E-06	4.89E-06	1.59E-03
5586	476211.65	3849209.01	1.52E-03	3.96E-07	3.51E-06	4.89E-06	1.53E-03	1.58E-03	4.05E-03	3.20E-04	1.67E-04	6.12E-03	1.58E-03	4.64E-07	3.51E-06	4.89E-06	1.59E-03
5587	476497.8	3849283.9	1.54E-03	4.38E-07	3.59E-06	4.89E-06	1.55E-03	1.61E-03	4.47E-03	3.28E-04	1.67E-04	6.58E-03	1.61E-03	5.12E-07	3.59E-06	4.89E-06	1.62E-03
5588	476603.73	3849323.77	1.56E-03	4.59E-07	3.61E-06	4.91E-06	1.57E-03	1.62E-03	4.69E-03	3.30E-04	1.68E-04	6.81E-03	1.62E-03	5.37E-07	3.61E-06	4.91E-06	1.63E-03
5589	476728.99	3849382.76	1.58E-03	4.80E-07	3.64E-06	4.93E-06	1.59E-03	1.65E-03	4.91E-03	3.32E-04	1.69E-04	7.06E-03	1.65E-03	5.62E-07	3.64E-06	4.93E-06	1.65E-03
5590	476801.27	3849418.65	1.60E-03	4.95E-07	3.66E-06	4.95E-06	1.60E-03	1.66E-03	5.06E-03	3.34E-04	1.69E-04	7.23E-03	1.66E-03	5.79E-07	3.66E-06	4.95E-06	1.67E-03
5591	476956.2	3849495.05	1.62E-03	5.25E-07	3.70E-06	4.99E-06	1.63E-03	1.69E-03	5.37E-03	3.37E-04	1.71E-04	7.57E-03	1.69E-03	6.14E-07	3.70E-06	4.99E-06	1.70E-03
5592	477038.84	3849535.56	1.64E-03	5.34E-07	3.72E-06	5.02E-06	1.65E-03	1.71E-03	5.46E-03	3.39E-04	1.72E-04	7.68E-03	1.71E-03	6.25E-07	3.72E-06	5.02E-06	1.71E-03
5593	477121.48	3849576.08	1.65E-03	5.50E-07	3.74E-06	5.04E-06	1.66E-03	1.72E-03	5.62E-03	3.41E-04	1.72E-04	7.86E-03	1.72E-03	6.43E-07	3.74E-06	5.04E-06	1.73E-03
5594	477204.13	3849616.6	1.67E-03	5.58E-07	3.76E-06	5.06E-06	1.68E-03	1.74E-03	5.71E-03	3.43E-04	1.73E-04	7.96E-03	1.74E-03	6.53E-07	3.76E-06	5.06E-06	1.75E-03
5595	477286.78	3849657.12	1.67E-03	5.49E-07	3.78E-06	5.08E-06	1.68E-03	1.75E-03	5.61E-03	3.45E-04	1.74E-04	7.87E-03	1.74E-03	6.42E-07	3.78E-06	5.08E-06	1.75E-03
5596	477369.42	3849697.63	1.70E-03	5.85E-07	3.83E-06	5.10E-06	1.71E-03	1.77E-03	5.98E-03	3.49E-04	1.74E-04	8.27E-03	1.77E-03	6.85E-07	3.83E-06	5.10E-06	1.78E-03
5597	477452.07	3849738.15	1.71E-03	5.95E-07	3.85E-06	5.15E-06	1.72E-03	1.78E-03	6.08E-03	3.51E-04	1.76E-04	8.39E-03	1.78E-03	6.97E-07	3.85E-06	5.15E-06	1.79E-03
5598	477534.71	3849778.67	1.73E-03	6.23E-07	3.87E-06	5.17E-06	1.74E-03	1.80E-03	6.36E-03	3.53E-04	1.77E-04	8.69E-03	1.80E-03	7.28E-07	3.87E-06	5.17E-06	1.81E-03
5599	477617.35	3849819.18	1.74E-03	6.32E-07	3.89E-06	5.19E-06	1.75E-03	1.82E-03	6.45E-03	3.55E-04	1.77E-04	8.80E-03	1.81E-03	7.39E-07	3.89E-06	5.19E-06	1.82E-03
5600	477824.74	3849896.37	1.76E-03	6.63E-07	3.93E-06	5.25E-06	1.77E-03	1.83E-03	6.77E-03	3.59E-04	1.80E-04	9.14E-03	1.83E-03	7.75E-07	3.93E-06	5.25E-06	1.84E-03
5601	477906.31	3849936.37	1.76E-03	6.46E-07	3.95E-06	5.30E-06	1.77E-03	1.83E-03	6.60E-03	3.61E-04	1.81E-04	8.98E-03	1.83E-03	7.56E-07	3.95E-06	5.30E-06	1.84E-03
5602	477987.89	3849976.36	1.77E-03	6.63E-07	3.98E-06	5.32E-06	1.78E-03	1.85E-03	6.78E-03	3.63E-04	1.82E-04	9.17E-03	1.85E-03	7.76E-07	3.98E-06	5.32E-06	1.86E-03
5603	478069.47	3850016.36	1.77E-03	6.53E-07	4.00E-06	5.36E-06	1.78E-03	1.85E-03	6.67E-03	3.65E-04	1.83E-04	9.07E-03	1.85E-03	7.64E-07	4.00E-06	5.36E-06	1.86E-03
5604	478151.04	3850056.35	1.78E-03	6.43E-07	4.02E-06	5.40E-06	1.79E-03	1.86E-03	6.57E-03	3.66E-04	1.85E-04	8.97E-03	1.85E-03	7.52E-07	4.02E-06	5.40E-06	1.86E-03
5605	478232.62	3850096.35	1.79E-03	6.50E-07	4.04E-06	5.45E-06	1.80E-03	1.87E-03	6.64E-03	3.68E-04	1.86E-04	9.07E-03	1.86E-03	7.61E-07	4.04E-06	5.45E-06	1.87E-03
5606	478314.2	3850136.34	1.80E-03	6.60E-07	4.06E-06	5.49E-06	1.81E-03	1.88E-03	6.74E-03	3.70E-04	1.88E-04	9.18E-03	1.88E-03	7.72E-07	4.06E-06	5.49E-06	1.89E-03
5607	478395.77	3850176.34	1.82E-03	6.69E-07	4.08E-06	5.53E-06	1.83E-03	1.89E-03	6.83E-03	3.72E-04	1.89E-04	9.29E-03	1.89E-03	7.83E-07	4.08E-06	5.53E-06	1.90E-03
5608	478575.43	3850244.45	1.84E-03	6.84E-07	4.12E-06	5.62E-06	1.85E-03	1.92E-03	6.99E-03	3.76E-04	1.92E-04	9.48E-03	1.91E-03	8.01E-07	4.12E-06	5.62E-06	1.92E-03

5609	478665.06	3850287.29	1.86E-03	6.93E-07	4.15E-06	5.66E-06	1.87E-03	1.94E-03	7.08E-03	3.78E-04	1.94E-04	9.59E-03	1.93E-03	8.11E-07	4.15E-06	5.66E-06	1.95E-03
5610	478754.69	3850330.14	1.88E-03	7.03E-07	4.17E-06	5.73E-06	1.90E-03	1.97E-03	7.18E-03	3.80E-04	1.96E-04	9.72E-03	1.96E-03	8.22E-07	4.17E-06	5.73E-06	1.97E-03
5611	478844.32	3850372.99	1.92E-03	7.16E-07	4.19E-06	5.77E-06	1.93E-03	2.00E-03	7.31E-03	3.82E-04	1.97E-04	9.90E-03	2.00E-03	8.38E-07	4.19E-06	5.77E-06	2.01E-03
5612	478933.95	3850415.84	2.00E-03	7.31E-07	4.21E-06	5.79E-06	2.02E-03	2.09E-03	7.47E-03	3.84E-04	1.98E-04	1.01E-02	2.09E-03	8.56E-07	4.21E-06	5.79E-06	2.10E-03
5613	479023.58	3850458.68	1.99E-03	7.31E-07	4.23E-06	5.86E-06	2.00E-03	2.08E-03	7.46E-03	3.86E-04	2.00E-04	1.01E-02	2.08E-03	8.55E-07	4.23E-06	5.86E-06	2.09E-03
5614	479110.66	3850441.9	2.07E-03	7.30E-07	4.23E-06	5.88E-06	2.08E-03	2.16E-03	7.46E-03	3.86E-04	2.01E-04	1.02E-02	2.16E-03	8.54E-07	4.23E-06	5.88E-06	2.17E-03
5615	479191.22	3850423.99	2.13E-03	7.21E-07	4.21E-06	5.90E-06	2.14E-03	2.22E-03	7.37E-03	3.84E-04	2.02E-04	1.02E-02	2.22E-03	8.44E-07	4.21E-06	5.90E-06	2.23E-03
5616	479274.32	3850465.71	2.18E-03	7.24E-07	4.23E-06	5.94E-06	2.19E-03	2.28E-03	7.40E-03	3.86E-04	2.03E-04	1.03E-02	2.27E-03	8.48E-07	4.23E-06	5.94E-06	2.28E-03
5617	479357.43	3850507.42	2.24E-03	7.18E-07	4.23E-06	6.01E-06	2.25E-03	2.33E-03	7.34E-03	3.86E-04	2.05E-04	1.03E-02	2.33E-03	8.40E-07	4.23E-06	6.01E-06	2.34E-03
5618	479440.53	3850549.14	2.24E-03	7.08E-07	4.25E-06	6.07E-06	2.25E-03	2.33E-03	7.24E-03	3.88E-04	2.08E-04	1.02E-02	2.33E-03	8.29E-07	4.25E-06	6.07E-06	2.34E-03
5619	479523.64	3850590.85	2.30E-03	7.04E-07	4.27E-06	6.14E-06	2.31E-03	2.40E-03	7.19E-03	3.90E-04	2.10E-04	1.02E-02	2.39E-03	8.23E-07	4.27E-06	6.14E-06	2.40E-03
5620	479606.74	3850632.57	2.37E-03	7.04E-07	4.29E-06	6.18E-06	2.38E-03	2.47E-03	7.20E-03	3.92E-04	2.11E-04	1.03E-02	2.46E-03	8.24E-07	4.29E-06	6.18E-06	2.48E-03
5621	479777.37	3850707.61	2.55E-03	7.00E-07	4.32E-06	6.29E-06	2.56E-03	2.66E-03	7.15E-03	3.94E-04	2.15E-04	1.04E-02	2.65E-03	8.19E-07	4.32E-06	6.29E-06	2.66E-03
5622	479864.9	3850740.95	2.67E-03	7.03E-07	4.32E-06	6.33E-06	2.68E-03	2.78E-03	7.18E-03	3.94E-04	2.16E-04	1.06E-02	2.78E-03	8.22E-07	4.32E-06	6.33E-06	2.79E-03
5623	479931.87	3850829.56	2.69E-03	7.28E-07	4.38E-06	6.42E-06	2.70E-03	2.81E-03	7.43E-03	3.99E-04	2.19E-04	1.09E-02	2.80E-03	8.51E-07	4.38E-06	6.42E-06	2.81E-03
5624	479995.55	3850926.75	2.72E-03	7.68E-07	4.44E-06	6.46E-06	2.74E-03	2.84E-03	7.85E-03	4.05E-04	2.21E-04	1.13E-02	2.84E-03	8.99E-07	4.44E-06	6.46E-06	2.85E-03
5625	480079.78	3850968.64	2.82E-03	7.83E-07	4.46E-06	6.50E-06	2.83E-03	2.94E-03	8.00E-03	4.07E-04	2.22E-04	1.16E-02	2.93E-03	9.16E-07	4.46E-06	6.50E-06	2.94E-03
5626	480164.01	3851010.54	2.91E-03	7.96E-07	4.49E-06	6.57E-06	2.93E-03	3.04E-03	8.14E-03	4.09E-04	2.25E-04	1.18E-02	3.04E-03	9.32E-07	4.49E-06	6.57E-06	3.05E-03
5627	480248.23	3851052.43	3.02E-03	8.09E-07	4.51E-06	6.61E-06	3.03E-03	3.15E-03	8.26E-03	4.11E-04	2.26E-04	1.20E-02	3.14E-03	9.46E-07	4.51E-06	6.61E-06	3.16E-03
5628	480332.46	3851094.33	3.13E-03	8.16E-07	4.53E-06	6.67E-06	3.14E-03	3.26E-03	8.34E-03	4.13E-04	2.28E-04	1.22E-02	3.25E-03	9.55E-07	4.53E-06	6.67E-06	3.27E-03
5629	480416.69	3851136.22	3.24E-03	8.16E-07	4.55E-06	6.74E-06	3.25E-03	3.38E-03	8.34E-03	4.15E-04	2.30E-04	1.24E-02	3.37E-03	9.55E-07	4.55E-06	6.74E-06	3.38E-03
5630	480579.95	3851215.17	3.47E-03	8.26E-07	4.59E-06	6.89E-06	3.48E-03	3.62E-03	8.44E-03	4.19E-04	2.36E-04	1.27E-02	3.61E-03	9.67E-07	4.59E-06	6.89E-06	3.62E-03
5631	480658.98	3851252.22	3.58E-03	8.35E-07	4.61E-06	6.97E-06	3.59E-03	3.73E-03	8.53E-03	4.21E-04	2.39E-04	1.29E-02	3.73E-03	9.77E-07	4.61E-06	6.97E-06	3.74E-03
5632	480817.36	3851327.85	3.79E-03	8.51E-07	4.66E-06	7.13E-06	3.80E-03	3.96E-03	8.70E-03	4.25E-04	2.44E-04	1.33E-02	3.95E-03	9.96E-07	4.66E-06	7.13E-06	3.96E-03
5633	480896.72	3851366.42	3.88E-03	8.55E-07	4.68E-06	7.23E-06	3.89E-03	4.05E-03	8.74E-03	4.27E-04	2.47E-04	1.35E-02	4.04E-03	1.00E-06	4.68E-06	7.23E-06	4.05E-03
5634	480976.07	3851405	3.97E-03	8.58E-07	4.70E-06	7.32E-06	3.98E-03	4.14E-03	8.77E-03	4.29E-04	2.50E-04	1.36E-02	4.14E-03	1.00E-06	4.70E-06	7.32E-06	4.15E-03
5635	481178	3851487.31	4.41E-03	8.60E-07	4.76E-06	7.53E-06	4.42E-03	4.60E-03	8.78E-03	4.34E-04	2.58E-04	1.41E-02	4.59E-03	1.01E-06	4.76E-06	7.53E-06	4.60E-03
5636	481244.9	3851557.17	4.49E-03	8.75E-07	4.81E-06	7.64E-06	4.51E-03	4.69E-03	8.94E-03	4.38E-04	2.61E-04	1.43E-02	4.68E-03	1.02E-06	4.81E-06	7.64E-06	4.69E-03
5637	481311.81	3851627.03	4.58E-03	8.87E-07	4.85E-06	7.77E-06	4.59E-03	4.78E-03	9.06E-03	4.42E-04	2.66E-04	1.45E-02	4.77E-03	1.04E-06	4.85E-06	7.77E-06	4.78E-03
5638	481378.71	3851696.89	4.68E-03	8.97E-07	4.91E-06	7.90E-06	4.69E-03	4.88E-03	9.17E-03	4.48E-04	2.70E-04	1.48E-02	4.87E-03	1.05E-06	4.91E-06	7.90E-06	4.88E-03
5639	481445.61	3851766.76	4.78E-03	9.09E-07	4.95E-06	8.03E-06	4.79E-03	4.99E-03	9.29E-03	4.52E-04	2.75E-04	1.50E-02	4.98E-03	1.06E-06	4.95E-06	8.03E-06	4.99E-03
5640	481512.51	3851836.62	4.89E-03	9.19E-07	5.00E-06	8.18E-06	4.90E-03	5.10E-03	9.39E-03	4.56E-04	2.80E-04	1.52E-02	5.09E-03	1.08E-06	5.00E-06	8.18E-06	5.11E-03
5641	481579.42	3851906.48	5.01E-03	9.30E-07	5.06E-06	8.33E-06	5.02E-03	5.23E-03	9.50E-03	4.61E-04	2.85E-04	1.55E-02	5.21E-03	1.09E-06	5.06E-06	8.33E-06	5.23E-03
5642	481646.32	3851976.34	5.13E-03	9.43E-07	5.10E-06	8.48E-06	5.14E-03	5.35E-03	9.63E-03	4.65E-04	2.90E-04	1.57E-02	5.34E-03	1.10E-06	5.10E-06	8.48E-06	5.36E-03
5643	481713.22	3852046.2	5.26E-03	9.47E-07	5.15E-06	8.65E-06	5.28E-03	5.49E-03	9.67E-03	4.69E-04	2.96E-04	1.59E-02	5.48E-03	1.11E-06	5.15E-06	8.65E-06	5.49E-03
5644	481780.12	3852116.06	5.39E-03	9.68E-07	5.21E-06	8.83E-06	5.41E-03	5.63E-03	9.89E-03	4.75E-04	3.02E-04	1.63E-02	5.61E-03	1.13E-06	5.21E-06	8.83E-06	5.63E-03
5645	481847.03	3852185.92	5.53E-03	9.96E-07	5.27E-06	9.00E-06	5.54E-03	5.77E-03	1.02E-02	4.81E-04	3.08E-04	1.67E-02	5.76E-03	1.17E-06	5.27E-06	9.00E-06	5.77E-03
5646	481913.93	3852255.78	5.66E-03	1.03E-06	5.34E-06	9.19E-06	5.68E-03	5.91E-03	1.05E-02	4.87E-04	3.14E-04	1.72E-02	5.90E-03	1.20E-06	5.34E-06	9.19E-06	5.91E-03
5647	481980.83	3852325.65	5.79E-03	1.07E-06	5.40E-06	9.39E-06	5.80E-03	6.04E-03	1.09E-02	4.93E-04	3.21E-04	1.78E-02	6.03E-03	1.25E-06	5.40E-06	9.39E-06	6.04E-03
5648	482047.73	3852395.51	5.94E-03	1.10E-06	5.46E-06	9.62E-06	5.96E-03	6.20E-03	1.12E-02	4.98E-04	3.29E-04	1.82E-02	6.19E-03	1.28E-06	5.46E-06	9.62E-06	6.20E-03
5649	482114.64	3852465.37	6.09E-03	1.14E-06	5.55E-06	9.88E-06	6.11E-03	6.36E-03	1.16E-02	5.06E-04	3.38E-04	1.88E-02	6.34E-03	1.33E-06	5.55E-06	9.88E-06	6.36E-03
5650	482181.54	3852535.23	6.27E-03	1.16E-06	5.61E-06	1.02E-05	6.28E-03	6.54E-03	1.19E-02	5.12E-04	3.48E-04	1.93E-02	6.53E-03	1.36E-06	5.61E-06	1.02E-05	6.54E-03
5651	482338.69	3852700.04	6.71E-03	1.25E-06	5.78E-06	1.09E-05	6.73E-03	7.00E-03	1.27E-02	5.27E-04	3.73E-04	2.06E-02	6.99E-03	1.46E-06	5.78E-06	1.09E-05	7.01E-03
5652	482404.05	3852767.78	6.93E-03	1.29E-06	5.85E-06	1.13E-05	6.95E-03	7.24E-03	1.31E-02	5.33E-04	3.85E-04	2.13E-02	7.22E-03	1.50E-06	5.85E-06	1.13E-05	7.24E-03
5653	482469.4	3852835.52	7.18E-03	1.33E-06	5.91E-06	1.16E-05	7.20E-03	7.49E-03	1.36E-02	5.39E-04	3.98E-04	2.20E-02	7.48E-03	1.55E-06	5.91E-06	1.16E-05	7.50E-03
5654	482534.75	3852903.25	7.46E-03	1.36E-06	5.97E-06	1.20E-05	7.48E-03	7.79E-03	1.39E-02	5.45E-04	4.10E-04	2.27E-02	7.77E-03	1.60E-06	5.97E-06	1.20E-05	7.79E-03
5655	482600.11	3852970.98	7.75E-03	1.41E-06	6.06E-06	1.24E-05	7.77E-03	8.09E-03	1.44E-02	5.53E-04	4.23E-04	2.34E-02	8.07E-03	1.65E-06	6.06E-06	1.24E-05	8.09E-03
5656	482706.71	3853119.28	8.17E-03	1.49E-06	6.21E-06	1.32E-05	8.19E-03	8.52E-03	1.52E-02	5.66E-04	4.51E-04	2.47E-02	8.50E-03	1.74E-06	6.21E-06	1.32E-05	8.52E-03
5657	482747.96	3853199.84	8.27E-03	1.55E-06	6.29E-06	1.36E-05	8.29E-03	8.63E-03	1.58E-02	5.74E-04	4.67E-04	2.55E-02	8.61E-03	1.81E-06	6.29E-06	1.36E-05	8.63E-03
5658	482789.21	3853280.4	8.37E-03	1.62E-06	6.40E-06	1.41E-05	8.39E-03	8.73E-03	1.65E-02	5.84E-04	4.84E-04	2.63E-02	8.71E-03	1.89E-06	6.40E-06	1.41E-05	8.73E-03
5659	482830.46	3853360.96	8.47E-03	1.68E-06	6.51E-06	1.47E-05	8.49E-03	8.84E-03	1.72E-02	5.93E-04	5.02E-04	2.71E-02	8.82E-03	1.97E-06	6.51E-06	1.47E-05	8.84E-03
5660	482871.71	3853441.52	8.58E-03	1.75E-06	6.61E-06	1.53E-05	8.60E-03	8.95E-03	1.78E-02	6.03E-04	5.22E-04	2.79E-02	8.93E-03	2.04E-06	6.61E-06	1.53E-05	8.96E-03
5661	482912.95	3853522.07	8.74E-03	1.79E-06	6.70E-06	1.59E-05	8.76E-03	9.12E-03	1.83E-02	6.11E-04	5.43E-04	2.86E-02	9.10E-03	2.09E-06	6.70E-06	1.59E-05	9.12E-03
5662	482954.2	3853602.63	8.95E-03	1.84E-06	6.78E-06	1.66E-05	8.98E-03	9.34E-03	1.88E-02	6.19E-04	5.67E-04	2.93E-02	9.32E-03	2.15E-06	6.78E-06	1.66E-05	9.35E-03
5663	482995.45	3853683.19	9.25E-03	1.87E-06	6.89E-06	1.73E-05	9.27E-03	9.65E-03	1.91E-02	6.28E-04	5.92E-04	3.00E-02	9.63E-03	2.19E-06	6.89E-06	1.73E-05	9.65E-03
5664	483036.7	3853763.75	9.63E-03	1.90E-06	6.97E-06	1.81E-05	9.65E-03	1.00E-02	1.95E-02	6.36E-04	6.21E-04	3.08E-02	1.00E-02	2.23E-06	6.97E-06	1.81E-05	1.01E-02
5665	483214.2	3853909.91	1.11E-02	1.75E-06	7.14E-06	1.99E-05	1.11E-02	1.16E-02	1.79E-02	6.52E-04	6.81E-04	3.08E-02	1.16E-02	2.05E-06	7.14E-06	1.99E-05	1.16E-02
5666	483307.01	3853910.44	1.17E-02	1.73E-06	7.14E-06	1.99E-05	1.17E-02	1.22E-02	1.77E-02	6.52E-04	6.82E-04	3.12E-02	1.22E-02	2.02E-06	7.14E-06	1.99E-05	1.22E-02
5667	483399.83	3853910.96	1.25E-02	1.68E-06	7.14E-06	2.02E-05	1.25E-02	1.30E-02	1.71E-02	6.52E-04	6.92E-04	3.15E-02	1.30E-02	1.96E-06	7.14E-06	2.02E-05	1.30E-02
5668	483494.52	3854009.24	1.35E-02	1.75E-06	7.31E-06	2.25E-05	1.35E-02	1.41E-02	1.79E-02	6.67E-04	7.71E-04	3.34E-02	1.41E-02	2.05E-06	7.31E-06	2.25E-05	1.41E-02
5669	483496.41	3854106.98	1.38E-02	1.88E-06	7.46E-06	2.50E-05	1.39E-02	1.44E-02	1.92E-02	6.81E-04	8.55E-04	3.52E-02	1.44E-02	2.20E-06	7.46E-06	2.50E-05	1.44E-02

5670	483577.56	3854261.96	1.55E-02	1.90E-06	7.68E-06	3.16E-05	1.55E-02	1.61E-02	1.94E-02	7.00E-04	1.08E-03	3.73E-02	1.61E-02	2.22E-06	7.68E-06	3.16E-05	1.62E-02
5671	483656.83	3854319.19	1.63E-02	1.86E-06	7.78E-06	3.70E-05	1.63E-02	1.70E-02	1.90E-02	7.10E-04	1.27E-03	3.79E-02	1.69E-02	2.17E-06	7.78E-06	3.70E-05	1.70E-02
5672	483736.1	3854376.41	1.72E-02	1.85E-06	7.89E-06	4.52E-05	1.73E-02	1.80E-02	1.89E-02	7.19E-04	1.55E-03	3.91E-02	1.80E-02	2.16E-06	7.89E-06	4.52E-05	1.80E-02
5673	483815.36	3854433.64	1.83E-02	1.90E-06	7.99E-06	5.56E-05	1.84E-02	1.91E-02	1.94E-02	7.29E-04	1.90E-03	4.11E-02	1.90E-02	2.23E-06	7.99E-06	5.56E-05	1.91E-02
5674	483894.63	3854490.87	1.92E-02	2.01E-06	8.10E-06	6.82E-05	1.93E-02	2.01E-02	2.05E-02	7.39E-04	2.33E-03	4.37E-02	2.00E-02	2.35E-06	8.10E-06	6.82E-05	2.01E-02
5675	483973.9	3854548.1	2.01E-02	2.18E-06	8.23E-06	8.03E-05	2.02E-02	2.10E-02	2.23E-02	7.50E-04	2.74E-03	4.68E-02	2.09E-02	2.56E-06	8.23E-06	8.03E-05	2.10E-02
5676	484053.17	3854605.32	2.14E-02	2.45E-06	8.36E-06	8.85E-05	2.15E-02	2.23E-02	2.50E-02	7.62E-04	3.03E-03	5.11E-02	2.23E-02	2.86E-06	8.36E-06	8.85E-05	2.24E-02
5677	484214.97	3854698.15	2.50E-02	2.99E-06	8.59E-06	9.13E-05	2.51E-02	2.61E-02	3.06E-02	7.83E-04	3.12E-03	6.06E-02	2.60E-02	3.50E-06	8.59E-06	9.13E-05	2.61E-02
5678	484297.5	3854733.74	2.81E-02	3.31E-06	8.70E-06	8.91E-05	2.82E-02	2.93E-02	3.38E-02	7.93E-04	3.05E-03	6.69E-02	2.92E-02	3.87E-06	8.70E-06	8.91E-05	2.93E-02
5679	484380.03	3854769.34	3.08E-02	3.55E-06	8.80E-06	8.58E-05	3.09E-02	3.21E-02	3.63E-02	8.03E-04	2.93E-03	7.22E-02	3.21E-02	4.16E-06	8.80E-06	8.58E-05	3.22E-02
5680	484462.56	3854804.94	3.49E-02	3.89E-06	8.89E-06	8.15E-05	3.50E-02	3.65E-02	3.98E-02	8.11E-04	2.79E-03	7.98E-02	3.64E-02	4.56E-06	8.89E-06	8.15E-05	3.65E-02
5681	484545.09	3854840.53	3.85E-02	4.10E-06	9.01E-06	7.70E-05	3.86E-02	4.01E-02	4.19E-02	8.22E-04	2.64E-03	8.55E-02	4.01E-02	4.79E-06	9.01E-06	7.70E-05	4.02E-02
5682	484691.88	3854912.58	5.22E-02	4.74E-06	9.23E-06	6.80E-05	5.23E-02	5.44E-02	4.85E-02	8.42E-04	2.32E-03	1.06E-01	5.43E-02	5.55E-06	9.23E-06	6.80E-05	5.44E-02
5683	484830.81	3855012.51	1.14E-01	5.54E-06	9.53E-06	6.41E-05	1.14E-01	1.19E-01	5.66E-02	8.69E-04	2.19E-03	1.79E-01	1.19E-01	6.48E-06	9.53E-06	6.41E-05	1.19E-01
5684	484905.48	3855075.97	2.88E-01	6.27E-06	9.72E-06	6.49E-05	2.88E-01	3.00E-01	6.41E-02	8.86E-04	2.22E-03	3.67E-01	3.00E-01	7.33E-06	9.72E-06	6.49E-05	3.00E-01
5685	484980.14	3855139.44	4.54E-01	6.86E-06	9.93E-06	6.79E-05	4.54E-01	4.74E-01	7.01E-02	9.06E-04	2.32E-03	5.47E-01	4.73E-01	8.03E-06	9.93E-06	6.79E-05	4.73E-01
5686	485054.81	3855202.91	5.61E-01	7.33E-06	1.01E-05	7.25E-05	5.61E-01	5.85E-01	7.48E-02	9.25E-04	2.48E-03	6.64E-01	5.84E-01	8.57E-06	1.01E-05	7.25E-05	5.84E-01
5687	485129.48	3855266.37	5.95E-01	7.57E-06	1.04E-05	7.84E-05	5.95E-01	6.21E-01	7.74E-02	9.46E-04	2.68E-03	7.02E-01	6.19E-01	8.86E-06	1.04E-05	7.84E-05	6.19E-01
5688	485204.15	3855329.84	6.81E-01	8.20E-06	1.06E-05	8.69E-05	6.81E-01	7.10E-01	8.38E-02	9.68E-04	2.97E-03	7.98E-01	7.09E-01	9.60E-06	1.06E-05	8.69E-05	7.09E-01
5689	485278.82	3855393.31	7.14E-01	8.62E-06	1.09E-05	9.76E-05	7.14E-01	7.45E-01	8.81E-02	9.91E-04	3.34E-03	8.37E-01	7.43E-01	1.01E-05	1.09E-05	9.76E-05	7.43E-01
5690	485353.48	3855456.77	7.61E-01	9.18E-06	1.11E-05	1.08E-04	7.61E-01	7.94E-01	9.38E-02	1.02E-03	3.70E-03	8.92E-01	7.92E-01	1.07E-05	1.11E-05	1.08E-04	7.92E-01
5691	485428.15	3855520.24	7.78E-01	9.62E-06	1.14E-05	1.19E-04	7.78E-01	8.11E-01	9.83E-02	1.04E-03	4.07E-03	9.15E-01	8.10E-01	1.13E-05	1.14E-05	1.19E-04	8.10E-01
5692	485502.82	3855583.71	7.96E-01	1.01E-05	1.17E-05	1.30E-04	7.96E-01	8.31E-01	1.03E-01	1.07E-03	4.44E-03	9.39E-01	8.29E-01	1.18E-05	1.17E-05	1.30E-04	8.29E-01
5693	485577.49	3855647.17	8.45E-01	1.08E-05	1.21E-05	1.40E-04	8.45E-01	8.81E-01	1.11E-01	1.10E-03	4.78E-03	9.98E-01	8.79E-01	1.27E-05	1.21E-05	1.40E-04	8.80E-01
5694	485652.16	3855710.64	8.86E-01	1.16E-05	1.24E-05	1.50E-04	8.86E-01	9.25E-01	1.19E-01	1.13E-03	5.13E-03	1.05E+00	9.23E-01	1.36E-05	1.24E-05	1.50E-04	9.23E-01
5695	485726.83	3855774.1	9.11E-01	1.22E-05	1.28E-05	1.60E-04	9.11E-01	9.51E-01	1.25E-01	1.16E-03	5.48E-03	1.08E+00	9.49E-01	1.43E-05	1.28E-05	1.60E-04	9.49E-01
5696	485801.49	3855837.57	8.92E-01	1.27E-05	1.32E-05	1.69E-04	8.92E-01	9.31E-01	1.30E-01	1.20E-03	5.79E-03	1.07E+00	9.29E-01	1.49E-05	1.32E-05	1.69E-04	9.29E-01
5697	485876.16	3855901.04	9.13E-01	1.33E-05	1.36E-05	1.75E-04	9.13E-01	9.53E-01	1.36E-01	1.24E-03	6.00E-03	1.10E+00	9.51E-01	1.56E-05	1.36E-05	1.75E-04	9.51E-01
5698	485950.83	3855964.5	8.94E-01	1.38E-05	1.40E-05	1.79E-04	8.94E-01	9.33E-01	1.41E-01	1.28E-03	6.13E-03	1.08E+00	9.31E-01	1.61E-05	1.40E-05	1.79E-04	9.31E-01
5699	486025.5	3856027.97	8.74E-01	1.41E-05	1.45E-05	1.79E-04	8.74E-01	9.12E-01	1.44E-01	1.32E-03	6.14E-03	1.06E+00	9.10E-01	1.65E-05	1.45E-05	1.79E-04	9.10E-01
5700	486100.17	3856091.44	9.22E-01	1.52E-05	1.50E-05	1.75E-04	9.22E-01	9.62E-01	1.55E-01	1.37E-03	5.99E-03	1.12E+00	9.60E-01	1.77E-05	1.50E-05	1.75E-04	9.60E-01
5701	486174.83	3856154.9	8.87E-01	1.53E-05	1.56E-05	1.70E-04	8.87E-01	9.25E-01	1.56E-01	1.42E-03	5.80E-03	1.09E+00	9.23E-01	1.79E-05	1.56E-05	1.70E-04	9.23E-01
5702	486249.5	3856218.37	8.13E-01	1.50E-05	1.63E-05	1.63E-04	8.13E-01	8.48E-01	1.53E-01	1.48E-03	5.58E-03	1.01E+00	8.46E-01	1.75E-05	1.63E-05	1.63E-04	8.46E-01
5703	486324.17	3856281.84	7.50E-01	1.48E-05	1.70E-05	1.56E-04	7.50E-01	7.83E-01	1.52E-01	1.55E-03	5.33E-03	9.41E-01	7.81E-01	1.74E-05	1.70E-05	1.56E-04	7.81E-01
5704	486398.84	3856345.3	7.68E-01	1.54E-05	1.78E-05	1.47E-04	7.68E-01	8.01E-01	1.57E-01	1.62E-03	5.03E-03	9.65E-01	8.00E-01	1.80E-05	1.78E-05	1.47E-04	8.00E-01
5705	486473.51	3856408.77	7.65E-01	1.57E-05	1.86E-05	1.38E-04	7.66E-01	7.99E-01	1.61E-01	1.70E-03	4.71E-03	9.66E-01	7.97E-01	1.84E-05	1.86E-05	1.38E-04	7.97E-01
5706	486548.17	3856472.24	7.86E-01	1.63E-05	1.96E-05	1.27E-04	7.86E-01	8.20E-01	1.66E-01	1.78E-03	4.35E-03	9.93E-01	8.19E-01	1.90E-05	1.96E-05	1.27E-04	8.19E-01
5707	486622.84	3856535.7	8.08E-01	1.68E-05	2.06E-05	1.16E-04	8.08E-01	8.43E-01	1.72E-01	1.88E-03	3.97E-03	1.02E+00	8.42E-01	1.97E-05	2.06E-05	1.16E-04	8.42E-01
5708	486765.48	3856659.69	8.66E-01	1.80E-05	2.29E-05	9.55E-05	8.66E-01	9.04E-01	1.84E-01	2.09E-03	3.26E-03	1.09E+00	9.02E-01	2.10E-05	2.29E-05	9.55E-05	9.02E-01
5709	486833.44	3856720.2	8.93E-01	1.84E-05	2.42E-05	8.70E-05	8.93E-01	9.32E-01	1.88E-01	2.21E-03	2.98E-03	1.12E+00	9.30E-01	2.15E-05	2.42E-05	8.70E-05	9.30E-01
5710	486901.41	3856780.72	9.06E-01	1.89E-05	2.57E-05	7.97E-05	9.06E-01	9.45E-01	1.93E-01	2.34E-03	2.73E-03	1.14E+00	9.43E-01	2.21E-05	2.57E-05	7.97E-05	9.43E-01
5711	486969.38	3856841.24	9.10E-01	1.92E-05	2.74E-05	7.36E-05	9.10E-01	9.49E-01	1.96E-01	2.50E-03	2.52E-03	1.15E+00	9.48E-01	2.25E-05	2.74E-05	7.36E-05	9.48E-01
5712	487037.34	3856901.75	9.06E-01	1.95E-05	2.94E-05	6.83E-05	9.07E-01	9.46E-01	1.99E-01	2.68E-03	2.34E-03	1.15E+00	9.44E-01	2.28E-05	2.94E-05	6.83E-05	9.44E-01
5713	487271.23	3856855.51	5.27E-01	1.82E-05	3.31E-05	6.69E-05	5.27E-01	5.50E-01	1.86E-01	3.02E-03	2.29E-03	7.41E-01	5.48E-01	2.13E-05	3.31E-05	6.69E-05	5.49E-01
5714	487368.96	3856857.29	4.60E-01	1.78E-05	3.62E-05	6.53E-05	4.60E-01	4.80E-01	1.82E-01	3.30E-03	2.23E-03	6.68E-01	4.79E-01	2.08E-05	3.62E-05	6.53E-05	4.79E-01
5715	487466.68	3856859.06	4.05E-01	1.75E-05	3.97E-05	6.39E-05	4.05E-01	4.23E-01	1.79E-01	3.62E-03	2.18E-03	6.07E-01	4.22E-01	2.05E-05	3.97E-05	6.39E-05	4.22E-01
5716	487636.44	3856930	3.29E-01	1.74E-05	4.92E-05	5.93E-05	3.29E-01	3.43E-01	1.77E-01	4.49E-03	2.03E-03	5.27E-01	3.43E-01	2.03E-05	4.92E-05	5.93E-05	3.43E-01
5717	487709.57	3856928.43	3.02E-01	1.71E-05	5.32E-05	5.87E-05	3.02E-01	3.15E-01	1.75E-01	4.86E-03	2.01E-03	4.97E-01	3.14E-01	2.01E-05	5.32E-05	5.87E-05	3.14E-01
5718	487782.54	3856841.96	2.84E-01	1.62E-05	5.27E-05	6.04E-05	2.84E-01	2.96E-01	1.66E-01	4.80E-03	2.07E-03	4.69E-01	2.96E-01	1.90E-05	5.27E-05	6.04E-05	2.96E-01
5719	487849.83	3856754.74	2.64E-01	1.54E-05	4.87E-05	6.21E-05	2.64E-01	2.76E-01	1.57E-01	4.44E-03	2.12E-03	4.40E-01	2.75E-01	1.80E-05	4.87E-05	6.21E-05	2.75E-01
5720	487918.03	3856819.39	2.50E-01	1.58E-05	4.98E-05	5.95E-05	2.50E-01	2.61E-01	1.61E-01	4.54E-03	2.03E-03	4.29E-01	2.60E-01	1.84E-05	4.98E-05	5.95E-05	2.61E-01
5721	487918.8	3856886.37	2.47E-01	1.63E-05	5.36E-05	5.79E-05	2.47E-01	2.57E-01	1.66E-01	4.89E-03	1.98E-03	4.30E-01	2.57E-01	1.90E-05	5.36E-05	5.79E-05	2.57E-01
5722	488065.47	3857127.5	1.75E-01	1.71E-05	6.64E-05	5.36E-05	1.75E-01	1.83E-01	1.75E-01	6.05E-03	1.83E-03	3.66E-01	1.83E-01	2.00E-05	6.64E-05	5.36E-05	1.83E-01
5723	488192.19	3857385.83	1.07E-01	1.86E-05	1.08E-04	5.60E-05	1.07E-01	1.11E-01	1.90E-01	9.81E-03	1.91E-03	3.14E-01	1.11E-01	2.18E-05	1.08E-04	5.60E-05	1.11E-01
5724	488191.22	3857473.87	9.05E-02	1.95E-05	1.34E-04	5.90E-05	9.07E-02	9.44E-02	1.99E-01	1.22E-02	2.02E-03	3.07E-01	9.42E-02	2.28E-05	1.34E-04	5.90E-05	9.44E-02
5725	488190.24	3857561.9	7.63E-02	2.04E-05	1.72E-04	6.31E-05	7.65E-02	7.96E-02	2.09E-01	1.57E-02	2.16E-03	3.06E-01	7.94E-02	2.39E-05	1.72E-04	6.31E-05	7.97E-02
5726	488158.35	3857691.13	5.89E-02	2.21E-05	2.67E-04	7.13E-05	5.93E-02	6.15E-02	2.26E-01	2.43E-02	2.44E-03	3.14E-01	6.14E-02	2.58E-05	2.67E-04	7.13E-05	6.17E-02
5727	488208.37	3857816.66	4.67E-02	2.39E-05	8.22E-04	8.17E-05	4.77E-02	4.88E-02	2.44E-01	7.50E-02	2.79E-03	3.70E-01	4.87E-02	2.79E-05	8.22E-04	8.17E-05	4.96E-02
5728	488271.97	3857874.6	4.28E-02	2.47E-05	3.66E-03	8.68E-05	4.66E-02	4.47E-02	2.52E-01	3.34E-01	2.97E-03	6.34E-01	4.46E-02	2.89E-05	3.66E-03	8.68E-05	4.84E-02
5729	488463.56	3857942.31	3.99E-02	2.52E-05	5.89E-03	9.26E-05	4.59E-02	4.17E-02	2.57E-01	5.37E-01	3.17E-03	8.39E-01	4.16E-02	2.94E-05	5.89E-03	9.26E-05	4.76E-02
5730	488554.83	3857940.83	4.07E-02	2.46E-05	4.56E-03	9.14E-05	4.54E-02	4.25E-02	2.52E-01	4.16E-01	3.13E-03	7.13E-01	4.24E-02	2.88E-05	4.56E-03	9.14E-05	4.71E-02

5731	488646.1	3857939.36	4.14E-02	2.41E-05	3.57E-03	9.00E-05	4.51E-02	4.32E-02	2.46E-01	3.26E-01	3.08E-03	6.18E-01	4.31E-02	2.82E-05	3.57E-03	9.00E-05	4.68E-02
5732	488737.37	3857937.88	4.20E-02	2.36E-05	2.87E-03	8.86E-05	4.49E-02	4.38E-02	2.41E-01	2.62E-01	3.03E-03	5.50E-01	4.37E-02	2.76E-05	2.87E-03	8.86E-05	4.67E-02
5733	488733.59	3857960.57	4.07E-02	2.40E-05	2.81E-03	9.07E-05	4.36E-02	4.24E-02	2.45E-01	2.56E-01	3.10E-03	5.46E-01	4.23E-02	2.80E-05	2.81E-03	9.07E-05	4.53E-02
5734	488638.09	3857961.57	4.01E-02	2.45E-05	3.55E-03	9.24E-05	4.37E-02	4.18E-02	2.51E-01	3.24E-01	3.16E-03	6.19E-01	4.17E-02	2.87E-05	3.55E-03	9.24E-05	4.54E-02
5735	488542.6	3857962.56	3.93E-02	2.51E-05	4.63E-03	9.39E-05	4.41E-02	4.10E-02	2.57E-01	4.22E-01	3.21E-03	7.23E-01	4.09E-02	2.94E-05	4.63E-03	9.39E-05	4.57E-02
5736	488447.1	3857963.56	3.85E-02	2.57E-05	6.14E-03	9.52E-05	4.47E-02	4.01E-02	2.62E-01	5.60E-01	3.26E-03	8.66E-01	4.01E-02	3.00E-05	6.14E-03	9.52E-05	4.63E-02
5737	488254.28	3857890.36	4.15E-02	2.51E-05	4.09E-03	8.87E-05	4.57E-02	4.33E-02	2.56E-01	3.73E-01	3.03E-03	6.75E-01	4.32E-02	2.93E-05	4.09E-03	8.87E-05	4.74E-02
5738	488191.69	3857833.06	4.52E-02	2.42E-05	8.38E-04	8.35E-05	4.61E-02	4.72E-02	2.47E-01	7.64E-02	2.85E-03	3.74E-01	4.71E-02	2.83E-05	8.38E-04	8.35E-05	4.80E-02
5739	488129.5	3857907.43	3.92E-02	2.60E-05	9.08E-04	9.27E-05	4.03E-02	4.10E-02	2.66E-01	8.28E-02	3.17E-03	3.93E-01	4.09E-02	3.04E-05	9.08E-04	9.27E-05	4.19E-02
5740	488196.47	3857968.73	3.63E-02	2.70E-05	7.86E-03	9.95E-05	4.43E-02	3.79E-02	2.76E-01	7.16E-01	3.40E-03	1.03E+00	3.78E-02	3.16E-05	7.86E-03	9.95E-05	4.58E-02
5741	488263.44	3858030.04	3.37E-02	2.80E-05	7.24E-03	1.07E-04	4.11E-02	3.52E-02	2.86E-01	6.60E-01	3.67E-03	9.85E-01	3.51E-02	3.28E-05	7.24E-03	1.07E-04	4.25E-02
5742	488400.64	3858132.9	2.97E-02	2.94E-05	1.96E-03	1.19E-04	3.18E-02	3.10E-02	3.01E-01	1.78E-01	4.08E-03	5.14E-01	3.10E-02	3.44E-05	1.96E-03	1.19E-04	3.31E-02
5743	488519.89	3858218.38	2.71E-02	3.12E-05	9.25E-04	1.26E-04	2.82E-02	2.83E-02	3.19E-01	8.43E-02	4.30E-03	4.36E-01	2.83E-02	3.65E-05	9.25E-04	1.26E-04	2.93E-02
5744	488647.97	3858214.99	2.82E-02	3.00E-05	9.25E-04	1.18E-04	2.93E-02	2.94E-02	3.06E-01	8.44E-02	4.03E-03	4.24E-01	2.94E-02	3.51E-05	9.25E-04	1.18E-04	3.05E-02
5745	488727.05	3858167.67	3.04E-02	2.81E-05	1.14E-03	1.09E-04	3.17E-02	3.17E-02	2.88E-01	1.04E-01	3.74E-03	4.27E-01	3.17E-02	3.29E-05	1.14E-03	1.09E-04	3.30E-02
5746	488806.12	3858120.35	3.30E-02	2.65E-05	1.33E-03	1.02E-04	3.44E-02	3.44E-02	2.71E-01	1.21E-01	3.50E-03	4.30E-01	3.43E-02	3.10E-05	1.33E-03	1.02E-04	3.58E-02
5747	488885.2	3858073.03	3.56E-02	2.51E-05	1.46E-03	9.61E-05	3.72E-02	3.71E-02	2.56E-01	1.33E-01	3.29E-03	4.30E-01	3.71E-02	2.93E-05	1.46E-03	9.61E-05	3.86E-02
5748	489055.76	3857991.17	4.01E-02	2.26E-05	1.43E-03	8.67E-05	4.16E-02	4.18E-02	2.31E-01	1.30E-01	2.96E-03	4.06E-01	4.18E-02	2.65E-05	1.43E-03	8.67E-05	4.33E-02
5749	489245.39	3857944.54	4.24E-02	2.08E-05	1.18E-03	8.06E-05	4.37E-02	4.42E-02	2.13E-01	1.07E-01	2.76E-03	3.67E-01	4.41E-02	2.44E-05	1.18E-03	8.06E-05	4.54E-02
5750	489430.63	3857930.91	4.25E-02	1.97E-05	9.59E-04	7.71E-05	4.35E-02	4.43E-02	2.02E-01	8.74E-02	2.64E-03	3.36E-01	4.42E-02	2.31E-05	9.59E-04	7.71E-05	4.53E-02
5751	489517.74	3857929.36	4.22E-02	1.93E-05	8.76E-04	7.60E-05	4.32E-02	4.40E-02	1.98E-01	7.99E-02	2.60E-03	3.24E-01	4.39E-02	2.26E-05	8.76E-04	7.60E-05	4.49E-02
5752	489604.85	3857927.82	4.19E-02	1.89E-05	8.07E-04	7.50E-05	4.28E-02	4.37E-02	1.93E-01	7.36E-02	2.57E-03	3.13E-01	4.36E-02	2.21E-05	8.07E-04	7.50E-05	4.45E-02
5753	489691.97	3857926.28	4.15E-02	1.86E-05	7.47E-04	7.42E-05	4.23E-02	4.33E-02	1.90E-01	6.82E-02	2.54E-03	3.04E-01	4.32E-02	2.17E-05	7.47E-04	7.42E-05	4.41E-02
5754	489779.08	3857924.73	4.11E-02	1.82E-05	6.96E-04	7.35E-05	4.19E-02	4.29E-02	1.86E-01	6.35E-02	2.52E-03	2.95E-01	4.28E-02	2.13E-05	6.96E-04	7.35E-05	4.36E-02
5755	490017.54	3857875.08	4.13E-02	1.67E-05	6.07E-04	7.07E-05	4.20E-02	4.31E-02	1.71E-01	5.54E-02	2.42E-03	2.72E-01	4.30E-02	1.96E-05	6.07E-04	7.07E-05	4.37E-02
5756	490033.82	3857960.81	3.85E-02	1.77E-05	5.57E-04	7.39E-05	3.91E-02	4.01E-02	1.80E-01	5.08E-02	2.53E-03	2.74E-01	4.01E-02	2.07E-05	5.57E-04	7.39E-05	4.07E-02
5757	489959.15	3857987.49	3.80E-02	1.83E-05	5.68E-04	7.52E-05	3.87E-02	3.96E-02	1.87E-01	5.18E-02	2.57E-03	2.81E-01	3.96E-02	2.15E-05	5.68E-04	7.52E-05	4.02E-02
5758	489791.49	3858016.12	3.80E-02	1.91E-05	6.15E-04	7.73E-05	3.87E-02	3.97E-02	1.96E-01	5.61E-02	2.64E-03	2.94E-01	3.96E-02	2.24E-05	6.15E-04	7.73E-05	4.03E-02
5759	489698.51	3858018.07	3.83E-02	1.96E-05	6.60E-04	7.80E-05	3.91E-02	4.00E-02	2.00E-01	6.02E-02	2.67E-03	3.03E-01	3.99E-02	2.29E-05	6.60E-04	7.80E-05	4.07E-02
5760	489605.52	3858020.02	3.86E-02	2.00E-05	7.11E-04	7.90E-05	3.94E-02	4.02E-02	2.05E-01	6.48E-02	2.70E-03	3.12E-01	4.02E-02	2.34E-05	7.11E-04	7.90E-05	4.10E-02
5761	489512.53	3858021.96	3.87E-02	2.05E-05	7.71E-04	8.01E-05	3.96E-02	4.04E-02	2.09E-01	7.03E-02	2.74E-03	3.23E-01	4.03E-02	2.40E-05	7.71E-04	8.01E-05	4.12E-02
5762	489419.55	3858023.91	3.88E-02	2.10E-05	8.43E-04	8.14E-05	3.97E-02	4.05E-02	2.15E-01	7.69E-02	2.78E-03	3.35E-01	4.04E-02	2.46E-05	8.43E-04	8.14E-05	4.13E-02
5763	489228.47	3858041.29	3.83E-02	2.21E-05	1.00E-03	8.56E-05	3.94E-02	4.00E-02	2.26E-01	9.12E-02	2.93E-03	3.60E-01	3.99E-02	2.59E-05	1.00E-03	8.56E-05	4.10E-02
5764	489065.75	3858085.78	3.59E-02	2.40E-05	1.08E-03	9.21E-05	3.71E-02	3.75E-02	2.45E-01	9.89E-02	3.15E-03	3.84E-01	3.74E-02	2.80E-05	1.08E-03	9.21E-05	3.86E-02
5765	489001.12	3858114.86	3.44E-02	2.49E-05	1.06E-03	9.57E-05	3.56E-02	3.59E-02	2.54E-01	9.67E-02	3.27E-03	3.90E-01	3.58E-02	2.91E-05	1.06E-03	9.57E-05	3.70E-02
5766	488861.89	3858189.81	3.05E-02	2.73E-05	8.94E-04	1.06E-04	3.16E-02	3.19E-02	2.78E-01	8.16E-02	3.61E-03	3.96E-01	3.18E-02	3.19E-05	8.94E-04	1.06E-04	3.28E-02
5767	488787.28	3858235.69	2.83E-02	2.90E-05	7.60E-04	1.13E-04	2.92E-02	2.95E-02	2.97E-01	6.93E-02	3.85E-03	3.99E-01	2.95E-02	3.40E-05	7.60E-04	1.13E-04	3.04E-02
5768	488712.68	3858281.57	2.65E-02	3.07E-05	6.18E-04	1.21E-04	2.72E-02	2.76E-02	3.14E-01	5.63E-02	4.14E-03	4.02E-01	2.75E-02	3.60E-05	6.18E-04	1.21E-04	2.83E-02
5769	488654.39	3858436.17	2.16E-02	3.60E-05	2.22E-04	1.42E-04	2.21E-02	2.26E-02	3.68E-01	2.03E-02	4.87E-03	4.16E-01	2.25E-02	4.22E-05	2.22E-04	1.42E-04	2.30E-02
5770	488726.3	3858505.26	2.07E-02	3.75E-05	1.69E-04	1.43E-04	2.10E-02	2.16E-02	3.83E-01	1.54E-02	4.88E-03	4.25E-01	2.15E-02	4.38E-05	1.69E-04	1.43E-04	2.19E-02
5771	488880.6	3858599.28	1.80E-02	3.99E-05	1.34E-04	1.39E-04	1.84E-02	1.88E-02	4.08E-01	1.23E-02	4.74E-03	4.44E-01	1.88E-02	4.67E-05	1.34E-04	1.39E-04	1.91E-02
5772	489008.06	3858714.75	1.67E-02	4.63E-05	1.00E-04	1.44E-04	1.70E-02	1.74E-02	4.73E-01	9.13E-03	4.94E-03	5.05E-01	1.74E-02	5.42E-05	1.00E-04	1.44E-04	1.77E-02
5773	489071.48	3858772.72	1.61E-02	4.99E-05	8.85E-05	1.49E-04	1.64E-02	1.68E-02	5.10E-01	8.07E-03	5.11E-03	5.40E-01	1.68E-02	5.83E-05	8.85E-05	1.49E-04	1.71E-02
5774	489244.59	3858920.19	1.45E-02	5.68E-05	6.88E-05	1.70E-04	1.48E-02	1.52E-02	5.81E-01	6.27E-03	5.82E-03	6.08E-01	1.51E-02	6.65E-05	6.88E-05	1.70E-04	1.54E-02
5775	489239.69	3858952.23	1.38E-02	5.98E-05	6.36E-05	1.77E-04	1.41E-02	1.44E-02	6.11E-01	5.80E-03	6.06E-03	6.37E-01	1.44E-02	7.00E-05	6.36E-05	1.77E-04	1.47E-02
5776	489121.67	3858854.49	1.53E-02	5.64E-05	7.35E-05	1.62E-04	1.56E-02	1.60E-02	5.76E-01	6.70E-03	5.54E-03	6.04E-01	1.60E-02	6.60E-05	7.35E-05	1.62E-04	1.63E-02
5777	489059.59	3858797.27	1.60E-02	5.28E-05	8.14E-05	1.54E-04	1.63E-02	1.67E-02	5.39E-01	7.42E-03	5.26E-03	5.68E-01	1.67E-02	6.17E-05	8.14E-05	1.54E-04	1.70E-02
5778	488997.52	3858740.04	1.66E-02	4.88E-05	9.12E-05	1.48E-04	1.68E-02	1.73E-02	4.98E-01	8.32E-03	5.06E-03	5.29E-01	1.72E-02	5.70E-05	9.12E-05	1.48E-04	1.75E-02
5779	488935.44	3858682.82	1.71E-02	4.51E-05	1.04E-04	1.44E-04	1.74E-02	1.79E-02	4.61E-01	9.44E-03	4.92E-03	4.93E-01	1.78E-02	5.28E-05	1.04E-04	1.44E-04	1.81E-02
5780	488869.17	3858848.43	1.74E-02	6.82E-05	5.84E-05	1.73E-04	1.77E-02	1.82E-02	6.97E-01	5.33E-03	5.90E-03	7.26E-01	1.81E-02	7.98E-05	5.84E-05	1.73E-04	1.84E-02
5781	488932.48	3858892.69	1.70E-02	7.22E-05	5.59E-05	1.78E-04	1.73E-02	1.78E-02	7.38E-01	5.10E-03	6.10E-03	7.67E-01	1.77E-02	8.45E-05	5.59E-05	1.78E-04	1.80E-02
5782	489063.27	3858977.17	1.63E-02	7.42E-05	5.24E-05	1.94E-04	1.66E-02	1.70E-02	7.58E-01	4.78E-03	6.63E-03	7.86E-01	1.70E-02	8.67E-05	5.24E-05	1.94E-04	1.73E-02
5783	489248.2	3859117.15	1.42E-02	6.91E-05	4.66E-05	2.18E-04	1.46E-02	1.49E-02	7.06E-01	4.25E-03	7.45E-03	7.33E-01	1.48E-02	8.09E-05	4.66E-05	2.18E-04	1.52E-02
5784	489296.25	3859049.22	1.47E-02	6.32E-05	5.44E-05	1.95E-04	1.50E-02	1.53E-02	6.46E-01	4.96E-03	6.67E-03	6.73E-01	1.53E-02	7.39E-05	5.44E-05	1.95E-04	1.56E-02
5785	489353.38	3858993.96	1.48E-02	5.71E-05	6.30E-05	1.78E-04	1.51E-02	1.54E-02	5.83E-01	5.75E-03	6.10E-03	6.10E-01	1.54E-02	6.68E-05	6.30E-05	1.78E-04	1.57E-02
5786	489537.24	3859120.22	1.43E-02	5.37E-05	5.52E-05	1.91E-04	1.46E-02	1.49E-02	5.49E-01	5.03E-03	6.52E-03	5.76E-01	1.49E-02	6.29E-05	5.52E-05	1.91E-04	1.52E-02
5787	489726.98	3859246.04	1.35E-02	4.88E-05	4.90E-05	1.90E-04	1.38E-02	1.41E-02	4.98E-01	4.47E-03	6.49E-03	5.23E-01	1.41E-02	5.71E-05	4.90E-05	1.90E-04	1.43E-02
5788	489911.46	3859366.33	1.27E-02	4.34E-05	4.47E-05	1.78E-04	1.30E-02	1.33E-02	4.44E-01	4.08E-03	6.09E-03	4.67E-01	1.33E-02	5.08E-05	4.47E-05	1.78E-04	1.35E-02
5789	490035.3	3859430.26	1.23E-02	4.09E-05	4.24E-05	1.69E-04	1.25E-02	1.28E-02	4.18E-01	3.87E-03	5.78E-03	4.40E-01	1.28E-02	4.78E-05	4.24E-05	1.69E-04	1.30E-02
5790	490101.11	3859458.61	1.21E-02	3.95E-05	4.18E-05	1.63E-04	1.23E-02	1.26E-02	4.03E-01	3.81E-03	5.59E-03	4.25E-01	1.26E-02	4.62E-05	4.18E-05	1.63E-04	1.28E-02
5791	490312.68	3859560.3	1.14E-02	3.57E-05	3.93E-05	1.44E-04	1.16E-02	1.19E-02	3.65E-01	3.59E-03	4.92E-03	3.85E-01	1.19E-02	4.17E-05	3.93E-05	1.44E-04	1.21E-02

5792	490401.63	3859603.12	1.12E-02	3.43E-05	3.85E-05	1.35E-04	1.14E-02	1.17E-02	3.50E-01	3.51E-03	4.63E-03	3.70E-01	1.16E-02	4.01E-05	3.85E-05	1.35E-04	1.19E-02
5793	490490.57	3859645.94	1.09E-02	3.29E-05	3.77E-05	1.27E-04	1.11E-02	1.14E-02	3.37E-01	3.44E-03	4.34E-03	3.56E-01	1.14E-02	3.85E-05	3.77E-05	1.27E-04	1.16E-02
5794	490579.51	3859688.76	1.07E-02	3.16E-05	3.70E-05	1.19E-04	1.09E-02	1.12E-02	3.23E-01	3.38E-03	4.07E-03	3.42E-01	1.12E-02	3.70E-05	3.70E-05	1.19E-04	1.14E-02
5795	490668.45	3859731.58	1.06E-02	3.02E-05	3.66E-05	1.11E-04	1.07E-02	1.10E-02	3.09E-01	3.34E-03	3.80E-03	3.27E-01	1.10E-02	3.54E-05	3.66E-05	1.11E-04	1.12E-02
5796	490757.4	3859774.4	1.03E-02	2.92E-05	3.57E-05	1.04E-04	1.05E-02	1.08E-02	2.99E-01	3.25E-03	3.56E-03	3.16E-01	1.08E-02	3.42E-05	3.57E-05	1.04E-04	1.09E-02
5797	491003.53	3859861.82	9.93E-03	2.64E-05	3.46E-05	8.90E-05	1.01E-02	1.04E-02	2.70E-01	3.16E-03	3.05E-03	2.86E-01	1.03E-02	3.09E-05	3.46E-05	8.90E-05	1.05E-02
5798	491081.41	3859879.05	9.85E-03	2.56E-05	3.44E-05	8.55E-05	1.00E-02	1.03E-02	2.62E-01	3.14E-03	2.92E-03	2.78E-01	1.03E-02	3.00E-05	3.44E-05	8.55E-05	1.04E-02
5799	491229.76	3859917.82	9.66E-03	2.43E-05	3.38E-05	7.92E-05	9.80E-03	1.01E-02	2.48E-01	3.08E-03	2.71E-03	2.64E-01	1.01E-02	2.84E-05	3.38E-05	7.92E-05	1.02E-02
5800	491300.22	3859939.35	9.55E-03	2.36E-05	3.33E-05	7.64E-05	9.68E-03	9.97E-03	2.42E-01	3.04E-03	2.61E-03	2.57E-01	9.95E-03	2.77E-05	3.33E-05	7.64E-05	1.01E-02
5801	491350.48	3860012.03	9.14E-03	2.30E-05	3.11E-05	7.23E-05	9.27E-03	9.54E-03	2.35E-01	2.84E-03	2.47E-03	2.50E-01	9.52E-03	2.69E-05	3.11E-05	7.23E-05	9.65E-03
5802	491406.82	3860092.56	8.76E-03	2.20E-05	2.93E-05	6.74E-05	8.88E-03	9.14E-03	2.25E-01	2.67E-03	2.31E-03	2.39E-01	9.13E-03	2.58E-05	2.93E-05	6.74E-05	9.25E-03
5803	491483.36	3860121.96	8.66E-03	2.13E-05	2.90E-05	6.45E-05	8.77E-03	9.04E-03	2.17E-01	2.64E-03	2.20E-03	2.31E-01	9.02E-03	2.49E-05	2.90E-05	6.45E-05	9.14E-03
5804	491559.91	3860151.35	8.55E-03	2.05E-05	2.87E-05	6.16E-05	8.66E-03	8.92E-03	2.10E-01	2.62E-03	2.11E-03	2.23E-01	8.90E-03	2.40E-05	2.87E-05	6.16E-05	9.02E-03
5805	491711.81	3860237.76	8.43E-03	1.86E-05	2.90E-05	5.42E-05	8.53E-03	8.79E-03	1.90E-01	2.65E-03	1.86E-03	2.04E-01	8.78E-03	2.18E-05	2.90E-05	5.42E-05	8.88E-03
5806	491755.2	3860319.07	7.88E-03	1.79E-05	2.59E-05	5.03E-05	7.97E-03	8.22E-03	1.83E-01	2.36E-03	1.72E-03	1.96E-01	8.21E-03	2.10E-05	2.59E-05	5.03E-05	8.30E-03
5807	491704.71	3860366.54	7.71E-03	1.78E-05	2.49E-05	4.87E-05	7.80E-03	8.04E-03	1.82E-01	2.27E-03	1.67E-03	1.94E-01	8.03E-03	2.09E-05	2.49E-05	4.87E-05	8.12E-03
5808	491623.42	3860462.39	7.40E-03	1.74E-05	2.30E-05	4.52E-05	7.48E-03	7.72E-03	1.78E-01	2.10E-03	1.55E-03	1.89E-01	7.70E-03	2.04E-05	2.30E-05	4.52E-05	7.79E-03
5809	491534.02	3860439.85	7.72E-03	1.81E-05	2.44E-05	4.76E-05	7.81E-03	8.05E-03	1.85E-01	2.22E-03	1.63E-03	1.97E-01	8.04E-03	2.12E-05	2.44E-05	4.76E-05	8.13E-03
5810	491313.95	3860268.17	8.01E-03	2.12E-05	2.50E-05	5.82E-05	8.11E-03	8.35E-03	2.17E-01	2.28E-03	1.99E-03	2.30E-01	8.34E-03	2.48E-05	2.50E-05	5.82E-05	8.44E-03
5811	491187.12	3860143.56	8.49E-03	2.35E-05	2.70E-05	6.90E-05	8.61E-03	8.86E-03	2.40E-01	2.46E-03	2.36E-03	2.54E-01	8.84E-03	2.75E-05	2.70E-05	6.90E-05	8.96E-03
5812	491070.43	3860075.97	8.79E-03	2.51E-05	2.82E-05	7.66E-05	8.92E-03	9.17E-03	2.57E-01	2.57E-03	2.62E-03	2.71E-01	9.15E-03	2.94E-05	2.82E-05	7.66E-05	9.28E-03
5813	490995.09	3860039.38	8.95E-03	2.61E-05	2.87E-05	8.09E-05	9.08E-03	9.34E-03	2.67E-01	2.62E-03	2.77E-03	2.82E-01	9.32E-03	3.06E-05	2.87E-05	8.09E-05	9.46E-03
5814	490919.75	3860002.8	9.11E-03	2.71E-05	2.93E-05	8.54E-05	9.25E-03	9.51E-03	2.77E-01	2.67E-03	2.92E-03	2.92E-01	9.49E-03	3.17E-05	2.93E-05	8.54E-05	9.64E-03
5815	490756.81	3859894.53	9.58E-03	2.93E-05	3.16E-05	9.76E-05	9.74E-03	9.99E-03	2.99E-01	2.88E-03	3.34E-03	3.15E-01	9.97E-03	3.43E-05	3.16E-05	9.76E-05	1.01E-02
5816	490668.07	3859860.92	9.73E-03	3.05E-05	3.19E-05	1.04E-04	9.90E-03	1.02E-02	3.12E-01	2.90E-03	3.56E-03	3.28E-01	1.01E-02	3.57E-05	3.19E-05	1.04E-04	1.03E-02
5817	490579.34	3859827.3	9.90E-03	3.17E-05	3.23E-05	1.11E-04	1.01E-02	1.03E-02	3.24E-01	2.95E-03	3.80E-03	3.41E-01	1.03E-02	3.71E-05	3.23E-05	1.11E-04	1.05E-02
5818	490490.6	3859793.68	1.01E-02	3.30E-05	3.26E-05	1.19E-04	1.02E-02	1.05E-02	3.37E-01	2.97E-03	4.07E-03	3.55E-01	1.05E-02	3.86E-05	3.26E-05	1.19E-04	1.07E-02
5819	490401.86	3859760.07	1.02E-02	3.44E-05	3.29E-05	1.28E-04	1.04E-02	1.07E-02	3.51E-01	3.00E-03	4.37E-03	3.69E-01	1.07E-02	4.02E-05	3.29E-05	1.28E-04	1.09E-02
5820	490313.12	3859726.45	1.04E-02	3.57E-05	3.34E-05	1.37E-04	1.06E-02	1.09E-02	3.65E-01	3.04E-03	4.68E-03	3.84E-01	1.09E-02	4.18E-05	3.34E-05	1.37E-04	1.11E-02
5821	490224.39	3859692.83	1.07E-02	3.72E-05	3.39E-05	1.47E-04	1.09E-02	1.11E-02	3.80E-01	3.09E-03	5.02E-03	3.99E-01	1.11E-02	4.35E-05	3.39E-05	1.47E-04	1.13E-02
5822	490135.65	3859659.22	1.09E-02	3.85E-05	3.44E-05	1.58E-04	1.11E-02	1.13E-02	3.94E-01	3.14E-03	5.39E-03	4.13E-01	1.13E-02	4.51E-05	3.44E-05	1.58E-04	1.16E-02
5823	489918.18	3859559.23	1.15E-02	4.28E-05	3.61E-05	1.87E-04	1.18E-02	1.20E-02	4.37E-01	3.29E-03	6.40E-03	4.59E-01	1.20E-02	5.01E-05	3.61E-05	1.87E-04	1.23E-02
5824	489743.61	3859486	1.21E-02	4.76E-05	3.68E-05	2.11E-04	1.24E-02	1.26E-02	4.86E-01	3.35E-03	7.21E-03	5.10E-01	1.26E-02	5.57E-05	3.68E-05	2.11E-04	1.29E-02
5825	489660.32	3859440.27	1.24E-02	5.07E-05	3.73E-05	2.20E-04	1.27E-02	1.29E-02	5.18E-01	3.40E-03	7.53E-03	5.42E-01	1.29E-02	5.93E-05	3.73E-05	2.20E-04	1.32E-02
5826	489577.04	3859394.53	1.27E-02	5.42E-05	3.79E-05	2.29E-04	1.30E-02	1.32E-02	5.53E-01	3.45E-03	7.83E-03	5.78E-01	1.32E-02	6.34E-05	3.79E-05	2.29E-04	1.35E-02
5827	489493.75	3859348.8	1.29E-02	5.82E-05	3.83E-05	2.37E-04	1.33E-02	1.35E-02	5.95E-01	3.50E-03	8.11E-03	6.20E-01	1.35E-02	6.81E-05	3.83E-05	2.37E-04	1.38E-02
5828	489321.28	3859240.02	1.34E-02	6.78E-05	4.01E-05	2.45E-04	1.37E-02	1.40E-02	6.92E-01	3.66E-03	8.38E-03	7.18E-01	1.39E-02	7.93E-05	4.01E-05	2.45E-04	1.43E-02
5829	489235.41	3859193.96	1.33E-02	7.25E-05	4.07E-05	2.44E-04	1.37E-02	1.39E-02	7.41E-01	3.71E-03	8.33E-03	7.67E-01	1.39E-02	8.48E-05	4.07E-05	2.44E-04	1.43E-02
5830	489149.54	3859147.89	1.45E-02	7.92E-05	4.11E-05	2.40E-04	1.48E-02	1.51E-02	8.09E-01	3.74E-03	8.21E-03	8.36E-01	1.51E-02	9.26E-05	4.11E-05	2.40E-04	1.54E-02
5831	489063.68	3859101.82	1.49E-02	8.55E-05	4.17E-05	2.34E-04	1.52E-02	1.55E-02	8.74E-01	3.81E-03	8.00E-03	9.01E-01	1.55E-02	1.00E-04	4.17E-05	2.34E-04	1.59E-02
5832	488977.81	3859055.75	1.53E-02	9.26E-05	4.26E-05	2.24E-04	1.56E-02	1.59E-02	9.46E-01	3.88E-03	7.68E-03	9.73E-01	1.59E-02	1.08E-04	4.26E-05	2.24E-04	1.63E-02
5833	488891.94	3859009.69	1.56E-02	1.04E-04	4.33E-05	2.13E-04	1.60E-02	1.63E-02	1.06E+00	3.95E-03	7.28E-03	1.09E+00	1.63E-02	1.21E-04	4.33E-05	2.13E-04	1.66E-02
5834	488808	3859060.73	1.52E-02	1.37E-04	3.81E-05	2.35E-04	1.56E-02	1.58E-02	1.40E+00	3.47E-03	8.04E-03	1.43E+00	1.58E-02	1.60E-04	3.81E-05	2.35E-04	1.62E-02
5835	488809.93	3859157.85	1.43E-02	1.44E-04	3.33E-05	2.92E-04	1.48E-02	1.49E-02	1.47E+00	3.04E-03	9.99E-03	1.49E+00	1.49E-02	1.68E-04	3.33E-05	2.92E-04	1.54E-02
5836	488811.85	3859254.96	1.35E-02	1.49E-04	2.94E-05	3.59E-04	1.41E-02	1.41E-02	1.52E+00	2.68E-03	1.23E-02	1.55E+00	1.41E-02	1.74E-04	2.94E-05	3.59E-04	1.46E-02
5837	488813.78	3859352.07	1.28E-02	1.53E-04	2.61E-05	3.91E-04	1.34E-02	1.33E-02	1.56E+00	2.38E-03	1.34E-02	1.59E+00	1.33E-02	1.78E-04	2.61E-05	3.91E-04	1.39E-02
5838	488815.71	3859449.19	1.21E-02	1.52E-04	2.35E-05	4.32E-04	1.28E-02	1.27E-02	1.55E+00	2.14E-03	1.48E-02	1.58E+00	1.26E-02	1.78E-04	2.35E-05	4.32E-04	1.33E-02
5839	488910.04	3859547.1	1.16E-02	9.97E-05	2.28E-05	5.19E-04	1.23E-02	1.21E-02	1.02E+00	2.08E-03	1.78E-02	1.05E+00	1.21E-02	1.17E-04	2.28E-05	5.19E-04	1.28E-02
5840	489002.45	3859547.91	1.17E-02	8.60E-05	2.46E-05	4.70E-04	1.23E-02	1.22E-02	8.79E-01	2.24E-03	1.61E-02	9.10E-01	1.22E-02	1.01E-04	2.46E-05	4.70E-04	1.28E-02
5841	489094.85	3859548.71	1.18E-02	7.62E-05	2.63E-05	4.21E-04	1.24E-02	1.23E-02	7.79E-01	2.40E-03	1.44E-02	8.08E-01	1.23E-02	8.91E-05	2.63E-05	4.21E-04	1.29E-02
5842	489230.05	3859601.87	1.16E-02	6.41E-05	2.70E-05	3.72E-04	1.20E-02	1.21E-02	6.55E-01	2.46E-03	1.27E-02	6.82E-01	1.20E-02	7.50E-05	2.70E-05	3.72E-04	1.25E-02
5843	489227.52	3859680.89	1.11E-02	6.11E-05	2.54E-05	3.79E-04	1.16E-02	1.16E-02	6.24E-01	2.32E-03	1.30E-02	6.51E-01	1.16E-02	7.14E-05	2.54E-05	3.79E-04	1.20E-02
5844	489133.47	3859760.29	1.06E-02	6.23E-05	2.23E-05	4.19E-04	1.11E-02	1.11E-02	6.37E-01	2.03E-03	1.43E-02	6.64E-01	1.11E-02	7.29E-05	2.23E-05	4.19E-04	1.16E-02
5845	489041.96	3859760.67	1.06E-02	6.57E-05	2.06E-05	4.85E-04	1.11E-02	1.10E-02	6.71E-01	1.88E-03	1.66E-02	7.01E-01	1.10E-02	7.69E-05	2.06E-05	4.85E-04	1.16E-02
5846	488950.45	3859761.05	1.05E-02	6.96E-05	1.92E-05	5.70E-04	1.12E-02	1.10E-02	7.11E-01	1.75E-03	1.95E-02	7.43E-01	1.09E-02	8.14E-05	1.92E-05	5.70E-04	1.16E-02
5847	488858.94	3859761.43	1.05E-02	7.42E-05	1.80E-05	6.84E-04	1.13E-02	1.09E-02	7.59E-01	1.64E-03	2.34E-02	7.95E-01	1.09E-02	8.69E-05	1.80E-05	6.84E-04	1.17E-02
5848	488767.43	3859761.82	1.05E-02	8.05E-05	1.70E-05	8.47E-04	1.14E-02	1.09E-02	8.22E-01	1.55E-03	2.90E-02	8.64E-01	1.09E-02	9.42E-05	1.70E-05	8.47E-04	1.19E-02
5849	488675.92	3859762.2	1.05E-02	8.89E-05	1.64E-05	1.09E-03	1.16E-02	1.09E-02	9.09E-01	1.50E-03	3.73E-02	9.58E-01	1.09E-02	1.04E-04	1.64E-05	1.09E-03	1.21E-02
5850	488584.41	3859762.58	1.04E-02	1.01E-04	1.63E-05	1.45E-03	1.20E-02	1.09E-02	1.04E+00	1.49E-03	4.96E-02	1.10E+00	1.08E-02	1.19E-04	1.63E-05	1.45E-03	1.24E-02
5851	488492.9	3859762.96	1.03E-02	1.21E-04	1.66E-05	1.81E-03	1.23E-02	1.08E-02	1.24E+00	1.52E-03	6.20E-02	1.31E+00	1.08E-02	1.42E-04	1.66E-05	1.81E-03	1.27E-02
5852	488402.76	3859830.95	9.90E-03	1.63E-04	1.69E-05	6.35E-04	1.07E-02	1.03E-02	1.67E+00	1.54E-03	2.17E-02	1.70E+00	1.03E-02	1.91E-04	1.69E-05	6.35E-04	1.12E-02

5853	488404.14	3859898.55	9.55E-03	1.63E-04	1.65E-05	3.35E-04	1.01E-02	9.97E-03	1.67E+00	1.50E-03	1.14E-02	1.69E+00	9.95E-03	1.91E-04	1.65E-05	3.35E-04	1.05E-02
5854	488505.18	3859964.96	9.37E-03	1.37E-04	1.53E-05	4.21E-04	9.94E-03	9.77E-03	1.40E+00	1.39E-03	1.44E-02	1.43E+00	9.75E-03	1.61E-04	1.53E-05	4.21E-04	1.04E-02
5855	488604.84	3859963.76	9.46E-03	1.23E-04	1.48E-05	4.91E-04	1.01E-02	9.87E-03	1.26E+00	1.35E-03	1.68E-02	1.28E+00	9.86E-03	1.44E-04	1.48E-05	4.91E-04	1.05E-02
5856	488704.51	3859962.56	9.54E-03	1.11E-04	1.47E-05	5.12E-04	1.02E-02	9.95E-03	1.14E+00	1.34E-03	1.75E-02	1.17E+00	9.93E-03	1.30E-04	1.47E-05	5.12E-04	1.06E-02
5857	488804.18	3859961.37	9.58E-03	9.87E-05	1.51E-05	4.98E-04	1.02E-02	1.00E-02	1.01E+00	1.37E-03	1.70E-02	1.04E+00	9.98E-03	1.16E-04	1.51E-05	4.98E-04	1.06E-02
5858	488903.85	3859960.17	9.62E-03	8.59E-05	1.58E-05	4.57E-04	1.02E-02	1.00E-02	8.78E-01	1.44E-03	1.56E-02	9.05E-01	1.00E-02	1.01E-04	1.58E-05	4.57E-04	1.06E-02
5859	489003.52	3859958.97	9.65E-03	7.64E-05	1.69E-05	4.10E-04	1.02E-02	1.01E-02	7.81E-01	1.54E-03	1.40E-02	8.06E-01	1.00E-02	8.94E-05	1.69E-05	4.10E-04	1.06E-02
5860	489103.18	3859957.77	9.67E-03	6.93E-05	1.82E-05	3.65E-04	1.01E-02	1.01E-02	7.08E-01	1.66E-03	1.25E-02	7.33E-01	1.01E-02	8.11E-05	1.82E-05	3.65E-04	1.05E-02
5861	489201.48	3860046.59	9.33E-03	6.80E-05	1.84E-05	2.87E-04	9.71E-03	9.74E-03	6.94E-01	1.68E-03	9.82E-03	7.16E-01	9.72E-03	7.95E-05	1.84E-05	2.87E-04	1.01E-02
5862	489200.11	3860136.61	8.97E-03	7.31E-05	1.70E-05	2.50E-04	9.31E-03	9.36E-03	7.47E-01	1.55E-03	8.55E-03	7.66E-01	9.34E-03	8.55E-05	1.70E-05	2.50E-04	9.69E-03
5863	489198.74	3860226.63	8.62E-03	8.75E-05	1.58E-05	2.21E-04	8.94E-03	8.99E-03	8.94E-01	1.44E-03	7.55E-03	9.12E-01	8.98E-03	1.02E-04	1.58E-05	2.21E-04	9.31E-03
5864	489197.38	3860316.65	8.28E-03	1.29E-04	1.48E-05	1.92E-04	8.61E-03	8.64E-03	1.32E+00	1.35E-03	6.55E-03	1.33E+00	8.62E-03	1.51E-04	1.48E-05	1.92E-04	8.98E-03
5865	489196.01	3860406.68	7.96E-03	1.35E-04	1.39E-05	1.56E-04	8.26E-03	8.30E-03	1.38E+00	1.26E-03	5.33E-03	1.39E+00	8.29E-03	1.58E-04	1.39E-05	1.56E-04	8.61E-03
5866	489194.64	3860496.7	7.63E-03	1.23E-04	1.30E-05	1.22E-04	7.89E-03	7.96E-03	1.26E+00	1.19E-03	4.16E-03	1.27E+00	7.94E-03	1.44E-04	1.30E-05	1.22E-04	8.22E-03
5867	489193.27	3860586.72	7.34E-03	8.03E-05	1.23E-05	9.33E-05	7.53E-03	7.66E-03	8.20E-01	1.12E-03	3.19E-03	8.32E-01	7.65E-03	9.39E-05	1.23E-05	9.33E-05	7.85E-03
5868	489092.02	3860678.13	7.03E-03	4.66E-05	1.12E-05	7.47E-05	7.16E-03	7.34E-03	4.76E-01	1.02E-03	2.55E-03	4.87E-01	7.32E-03	5.45E-05	1.12E-05	7.47E-05	7.46E-03
5869	488992.13	3860679.52	6.98E-03	4.74E-05	1.10E-05	7.70E-05	7.12E-03	7.28E-03	4.84E-01	1.00E-03	2.63E-03	4.95E-01	7.27E-03	5.55E-05	1.10E-05	7.70E-05	7.41E-03
5870	488892.24	3860680.92	6.93E-03	4.77E-05	1.10E-05	7.74E-05	7.07E-03	7.23E-03	4.87E-01	1.01E-03	2.65E-03	4.98E-01	7.22E-03	5.58E-05	1.10E-05	7.74E-05	7.36E-03
5871	488792.36	3860682.31	6.86E-03	4.72E-05	1.12E-05	7.51E-05	7.00E-03	7.16E-03	4.82E-01	1.03E-03	2.57E-03	4.93E-01	7.15E-03	5.52E-05	1.12E-05	7.51E-05	7.29E-03
5872	488692.47	3860683.7	6.81E-03	4.66E-05	1.16E-05	7.11E-05	6.94E-03	7.10E-03	4.76E-01	1.06E-03	2.43E-03	4.87E-01	7.09E-03	5.46E-05	1.16E-05	7.11E-05	7.23E-03
5873	488592.59	3860685.1	6.73E-03	4.50E-05	1.21E-05	6.74E-05	6.85E-03	7.02E-03	4.60E-01	1.10E-03	2.30E-03	4.70E-01	7.01E-03	5.27E-05	1.21E-05	6.74E-05	7.14E-03
5874	488492.71	3860686.49	6.70E-03	4.44E-05	1.29E-05	6.79E-05	6.83E-03	6.99E-03	4.54E-01	1.17E-03	2.32E-03	4.65E-01	6.98E-03	5.20E-05	1.29E-05	6.79E-05	7.11E-03
5875	488299.07	3860762.18	6.54E-03	3.11E-05	1.50E-05	5.43E-05	6.64E-03	6.83E-03	3.18E-01	1.37E-03	1.86E-03	3.28E-01	6.81E-03	3.64E-05	1.50E-05	5.43E-05	6.92E-03
5876	488205.32	3860764.09	6.49E-03	2.95E-05	1.58E-05	5.15E-05	6.58E-03	6.77E-03	3.01E-01	1.44E-03	1.76E-03	3.11E-01	6.76E-03	3.45E-05	1.58E-05	5.15E-05	6.86E-03
5877	488111.56	3860766	6.43E-03	2.74E-05	1.61E-05	4.81E-05	6.52E-03	6.71E-03	2.80E-01	1.47E-03	1.64E-03	2.90E-01	6.69E-03	3.21E-05	1.61E-05	4.81E-05	6.79E-03
5878	488017.81	3860767.91	6.38E-03	2.53E-05	1.60E-05	4.59E-05	6.46E-03	6.65E-03	2.58E-01	1.46E-03	1.57E-03	2.68E-01	6.64E-03	2.96E-05	1.60E-05	4.59E-05	6.73E-03
5879	487924.06	3860769.81	6.34E-03	2.34E-05	1.56E-05	4.36E-05	6.43E-03	6.62E-03	2.39E-01	1.42E-03	1.49E-03	2.48E-01	6.60E-03	2.73E-05	1.56E-05	4.36E-05	6.69E-03
5880	487830.31	3860771.72	6.32E-03	2.18E-05	1.50E-05	4.15E-05	6.40E-03	6.59E-03	2.22E-01	1.37E-03	1.42E-03	2.32E-01	6.58E-03	2.55E-05	1.50E-05	4.15E-05	6.66E-03
5881	487736.55	3860773.63	6.30E-03	2.04E-05	1.44E-05	3.90E-05	6.37E-03	6.57E-03	2.09E-01	1.31E-03	1.33E-03	2.18E-01	6.56E-03	2.39E-05	1.44E-05	3.90E-05	6.64E-03
5882	487642.8	3860775.54	6.30E-03	1.93E-05	1.37E-05	3.65E-05	6.37E-03	6.57E-03	1.98E-01	1.25E-03	1.25E-03	2.07E-01	6.56E-03	2.26E-05	1.37E-05	3.65E-05	6.63E-03
5883	487549.48	3860684.71	6.52E-03	2.11E-05	1.32E-05	3.81E-05	6.59E-03	6.80E-03	2.16E-01	1.21E-03	1.30E-03	2.25E-01	6.79E-03	2.47E-05	1.32E-05	3.81E-05	6.86E-03
5884	487549.91	3860591.97	6.72E-03	2.46E-05	1.34E-05	4.15E-05	6.80E-03	7.01E-03	2.52E-01	1.22E-03	1.42E-03	2.61E-01	7.00E-03	2.88E-05	1.34E-05	4.15E-05	7.08E-03
5885	487550.34	3860499.23	6.97E-03	2.88E-05	1.36E-05	4.62E-05	7.06E-03	7.27E-03	2.94E-01	1.24E-03	1.58E-03	3.04E-01	7.26E-03	3.36E-05	1.36E-05	4.62E-05	7.35E-03
5886	487550.76	3860406.49	7.25E-03	3.22E-05	1.39E-05	5.37E-05	7.35E-03	7.57E-03	3.29E-01	1.26E-03	1.84E-03	3.40E-01	7.55E-03	3.77E-05	1.39E-05	5.37E-05	7.66E-03
5887	487551.19	3860313.75	7.53E-03	3.46E-05	1.41E-05	6.19E-05	7.64E-03	7.85E-03	3.53E-01	1.28E-03	2.12E-03	3.64E-01	7.84E-03	4.04E-05	1.41E-05	6.19E-05	7.95E-03
5888	487551.62	3860221.01	7.83E-03	3.67E-05	1.43E-05	6.85E-05	7.95E-03	8.17E-03	3.75E-01	1.30E-03	2.34E-03	3.87E-01	8.16E-03	4.30E-05	1.43E-05	6.85E-05	8.28E-03
5889	487552.05	3860128.27	8.20E-03	3.94E-05	1.46E-05	7.45E-05	8.33E-03	8.56E-03	4.02E-01	1.33E-03	2.55E-03	4.15E-01	8.54E-03	4.61E-05	1.46E-05	7.45E-05	8.68E-03
5890	487552.48	3860035.53	8.59E-03	4.18E-05	1.50E-05	8.15E-05	8.72E-03	8.96E-03	4.27E-01	1.37E-03	2.79E-03	4.40E-01	8.94E-03	4.89E-05	1.50E-05	8.15E-05	9.09E-03
5891	487552.91	3859942.79	8.92E-03	4.34E-05	1.53E-05	8.95E-05	9.07E-03	9.31E-03	4.43E-01	1.39E-03	3.06E-03	4.57E-01	9.29E-03	5.07E-05	1.53E-05	8.95E-05	9.45E-03
5892	487553.33	3859850.05	9.37E-03	4.66E-05	1.58E-05	9.95E-05	9.53E-03	9.77E-03	4.76E-01	1.44E-03	3.40E-03	4.91E-01	9.75E-03	5.45E-05	1.58E-05	9.95E-05	9.92E-03
5893	487553.76	3859757.31	9.79E-03	5.04E-05	1.63E-05	1.10E-04	9.97E-03	1.02E-02	5.15E-01	1.49E-03	3.77E-03	5.31E-01	1.02E-02	5.90E-05	1.63E-05	1.10E-04	1.04E-02
5894	487554.19	3859664.57	1.02E-02	5.71E-05	1.69E-05	1.21E-04	1.04E-02	1.07E-02	5.83E-01	1.55E-03	4.13E-03	6.00E-01	1.07E-02	6.68E-05	1.69E-05	1.21E-04	1.09E-02
5895	487460.2	3859571.05	1.07E-02	6.56E-05	1.74E-05	1.12E-04	1.09E-02	1.11E-02	6.70E-01	1.59E-03	3.84E-03	6.86E-01	1.11E-02	7.67E-05	1.74E-05	1.12E-04	1.13E-02
5896	487365.78	3859570.27	1.06E-02	6.06E-05	1.76E-05	1.00E-04	1.08E-02	1.11E-02	6.20E-01	1.60E-03	3.43E-03	6.36E-01	1.10E-02	7.09E-05	1.76E-05	1.00E-04	1.12E-02
5897	487271.36	3859569.48	1.05E-02	5.63E-05	1.80E-05	9.21E-05	1.07E-02	1.10E-02	5.75E-01	1.64E-03	3.15E-03	5.91E-01	1.10E-02	6.59E-05	1.80E-05	9.21E-05	1.11E-02
5898	487176.94	3859568.7	1.04E-02	5.19E-05	1.83E-05	8.45E-05	1.06E-02	1.09E-02	5.30E-01	1.67E-03	2.89E-03	5.46E-01	1.09E-02	6.07E-05	1.83E-05	8.45E-05	1.10E-02
5899	487082.51	3859567.92	1.04E-02	4.76E-05	1.86E-05	7.88E-05	1.05E-02	1.08E-02	4.86E-01	1.70E-03	2.69E-03	5.02E-01	1.08E-02	5.57E-05	1.86E-05	7.88E-05	1.09E-02
5900	486988.09	3859567.14	1.03E-02	4.33E-05	1.91E-05	7.38E-05	1.05E-02	1.08E-02	4.42E-01	1.74E-03	2.52E-03	4.57E-01	1.08E-02	5.06E-05	1.91E-05	7.38E-05	1.09E-02
5901	486893.67	3859566.36	1.03E-02	3.92E-05	1.99E-05	6.84E-05	1.05E-02	1.08E-02	4.00E-01	1.81E-03	2.34E-03	4.15E-01	1.08E-02	4.58E-05	1.99E-05	6.84E-05	1.09E-02
5902	486799.25	3859565.58	1.04E-02	3.54E-05	2.09E-05	6.23E-05	1.05E-02	1.08E-02	3.62E-01	1.91E-03	2.13E-03	3.77E-01	1.08E-02	4.14E-05	2.09E-05	6.23E-05	1.09E-02
5903	486704.83	3859564.79	1.04E-02	3.21E-05	2.19E-05	5.76E-05	1.05E-02	1.09E-02	3.28E-01	2.00E-03	1.97E-03	3.43E-01	1.08E-02	3.75E-05	2.19E-05	5.76E-05	1.10E-02
5904	486610.41	3859564.01	1.05E-02	2.92E-05	2.27E-05	5.34E-05	1.06E-02	1.09E-02	2.98E-01	2.07E-03	1.83E-03	3.13E-01	1.09E-02	3.41E-05	2.27E-05	5.34E-05	1.10E-02
5905	486515.99	3859563.23	1.05E-02	2.66E-05	2.34E-05	4.94E-05	1.06E-02	1.09E-02	2.71E-01	2.13E-03	1.69E-03	2.86E-01	1.09E-02	3.11E-05	2.34E-05	4.94E-05	1.10E-02
5906	486421.57	3859562.45	1.06E-02	2.44E-05	2.41E-05	4.60E-05	1.06E-02	1.10E-02	2.49E-01	2.20E-03	1.57E-03	2.64E-01	1.10E-02	2.85E-05	2.41E-05	4.60E-05	1.11E-02
5907	486327.14	3859561.67	1.06E-02	2.26E-05	2.49E-05	4.30E-05	1.07E-02	1.11E-02	2.31E-01	2.27E-03	1.47E-03	2.46E-01	1.11E-02	2.64E-05	2.49E-05	4.30E-05	1.12E-02
5908	486232.72	3859560.89	1.07E-02	2.10E-05	2.56E-05	4.03E-05	1.08E-02	1.11E-02	2.14E-01	2.34E-03	1.38E-03	2.29E-01	1.11E-02	2.45E-05	2.56E-05	4.03E-05	1.12E-02
5909	486138.3	3859560.1	1.07E-02	1.95E-05	2.64E-05	3.79E-05	1.08E-02	1.12E-02	1.99E-01	2.41E-03	1.30E-03	2.14E-01	1.11E-02	2.28E-05	2.64E-05	3.79E-05	1.12E-02
5910	486043.88	3859559.32	1.07E-02	1.82E-05	2.71E-05	3.58E-05	1.08E-02	1.12E-02	1.86E-01	2.47E-03	1.23E-03	2.01E-01	1.11E-02	2.13E-05	2.71E-05	3.58E-05	1.12E-02
5911	485949.35	3859463.54	1.12E-02	1.83E-05	2.91E-05	3.56E-05	1.13E-02	1.17E-02	1.87E-01	2.66E-03	1.22E-03	2.02E-01	1.17E-02	2.14E-05	2.91E-05	3.56E-05	1.18E-02
5912	485949.24	3859368.55	1.18E-02	1.97E-05	3.06E-05	3.74E-05	1.19E-02	1.23E-02	2.01E-01	2.79E-03	1.28E-03	2.18E-01	1.23E-02	2.30E-05	3.06E-05	3.74E-05	1.24E-02
5913	485949.12	3859273.55	1.25E-02	2.13E-05	3.20E-05	3.93E-05	1.26E-02	1.30E-02	2.18E-01	2.91E-03	1.35E-03	2.35E-01	1.30E-02	2.49E-05	3.20E-05	3.93E-05	1.31E-02

5914	485949.01	3859178.56	1.32E-02	2.31E-05	3.31E-05	4.13E-05	1.33E-02	1.38E-02	2.36E-01	3.02E-03	1.41E-03	2.54E-01	1.37E-02	2.70E-05	3.31E-05	4.13E-05	1.38E-02
5915	485948.9	3859083.56	1.40E-02	2.50E-05	3.43E-05	4.36E-05	1.41E-02	1.46E-02	2.55E-01	3.12E-03	1.49E-03	2.75E-01	1.46E-02	2.92E-05	3.43E-05	4.36E-05	1.47E-02
5916	485948.79	3858988.56	1.49E-02	2.67E-05	3.53E-05	4.59E-05	1.50E-02	1.55E-02	2.73E-01	3.21E-03	1.57E-03	2.93E-01	1.55E-02	3.12E-05	3.53E-05	4.59E-05	1.56E-02
5917	485948.67	3858893.57	1.58E-02	2.80E-05	3.62E-05	4.79E-05	1.59E-02	1.65E-02	2.86E-01	3.30E-03	1.64E-03	3.08E-01	1.64E-02	3.28E-05	3.62E-05	4.79E-05	1.66E-02
5918	485948.56	3858798.57	1.69E-02	2.88E-05	3.72E-05	4.92E-05	1.70E-02	1.76E-02	2.95E-01	3.39E-03	1.68E-03	3.17E-01	1.76E-02	3.37E-05	3.72E-05	4.92E-05	1.77E-02
5919	485948.45	3858703.58	1.79E-02	2.93E-05	3.75E-05	4.97E-05	1.80E-02	1.87E-02	3.00E-01	3.42E-03	1.70E-03	3.24E-01	1.86E-02	3.43E-05	3.75E-05	4.97E-05	1.88E-02
5920	485948.34	3858608.58	1.92E-02	2.99E-05	3.74E-05	5.04E-05	1.93E-02	2.00E-02	3.05E-01	3.41E-03	1.72E-03	3.30E-01	1.99E-02	3.49E-05	3.74E-05	5.04E-05	2.01E-02
5921	485948.22	3858513.59	2.05E-02	3.05E-05	3.67E-05	5.13E-05	2.07E-02	2.14E-02	3.12E-01	3.35E-03	1.75E-03	3.38E-01	2.14E-02	3.57E-05	3.67E-05	5.13E-05	2.15E-02
5922	485948.11	3858418.59	2.20E-02	3.14E-05	3.61E-05	5.16E-05	2.21E-02	2.30E-02	3.20E-01	3.29E-03	1.76E-03	3.48E-01	2.29E-02	3.67E-05	3.61E-05	5.16E-05	2.31E-02
5923	485948	3858323.59	2.38E-02	3.24E-05	3.64E-05	5.15E-05	2.39E-02	2.48E-02	3.31E-01	3.32E-03	1.76E-03	3.61E-01	2.48E-02	3.79E-05	3.64E-05	5.15E-05	2.49E-02
5924	485947.89	3858228.6	2.57E-02	3.36E-05	3.75E-05	5.17E-05	2.58E-02	2.68E-02	3.43E-01	3.42E-03	1.77E-03	3.75E-01	2.67E-02	3.93E-05	3.75E-05	5.17E-05	2.69E-02
5925	485947.77	3858133.6	2.77E-02	3.47E-05	3.87E-05	5.12E-05	2.79E-02	2.89E-02	3.54E-01	3.53E-03	1.75E-03	3.88E-01	2.89E-02	4.06E-05	3.87E-05	5.12E-05	2.90E-02
5926	485947.66	3858038.61	3.04E-02	3.60E-05	3.96E-05	4.93E-05	3.06E-02	3.18E-02	3.68E-01	3.61E-03	1.69E-03	4.05E-01	3.17E-02	4.22E-05	3.96E-05	4.93E-05	3.18E-02
5927	485854.54	3857943.35	3.24E-02	3.50E-05	3.80E-05	4.41E-05	3.25E-02	3.38E-02	3.58E-01	3.47E-03	1.51E-03	3.96E-01	3.37E-02	4.10E-05	3.80E-05	4.41E-05	3.39E-02
5928	485761.52	3857943.09	3.17E-02	3.18E-05	3.65E-05	4.22E-05	3.18E-02	3.31E-02	3.25E-01	3.33E-03	1.44E-03	3.63E-01	3.30E-02	3.72E-05	3.65E-05	4.22E-05	3.31E-02
5929	485668.51	3857942.83	3.11E-02	2.93E-05	3.52E-05	4.04E-05	3.12E-02	3.25E-02	3.00E-01	3.21E-03	1.38E-03	3.37E-01	3.24E-02	3.43E-05	3.52E-05	4.04E-05	3.25E-02
5930	485575.5	3857942.56	3.04E-02	2.74E-05	3.39E-05	3.88E-05	3.05E-02	3.17E-02	2.80E-01	3.09E-03	1.33E-03	3.16E-01	3.16E-02	3.20E-05	3.39E-05	3.88E-05	3.18E-02
5931	485482.48	3857942.3	2.98E-02	2.57E-05	3.28E-05	3.72E-05	2.99E-02	3.11E-02	2.63E-01	2.99E-03	1.27E-03	2.98E-01	3.11E-02	3.01E-05	3.28E-05	3.72E-05	3.12E-02
5932	485389.47	3857942.04	2.93E-02	2.43E-05	3.17E-05	3.58E-05	2.94E-02	3.05E-02	2.48E-01	2.89E-03	1.22E-03	2.83E-01	3.05E-02	2.84E-05	3.17E-05	3.58E-05	3.06E-02
5933	485296.46	3857941.78	2.87E-02	2.31E-05	3.07E-05	3.45E-05	2.88E-02	3.00E-02	2.36E-01	2.80E-03	1.18E-03	2.70E-01	2.99E-02	2.70E-05	3.07E-05	3.45E-05	3.00E-02
5934	485203.45	3857941.52	2.83E-02	2.20E-05	2.99E-05	3.34E-05	2.84E-02	2.96E-02	2.24E-01	2.72E-03	1.14E-03	2.58E-01	2.95E-02	2.57E-05	2.99E-05	3.34E-05	2.96E-02
5935	485110.43	3857941.26	2.78E-02	2.10E-05	2.90E-05	3.24E-05	2.78E-02	2.90E-02	2.15E-01	2.64E-03	1.11E-03	2.47E-01	2.89E-02	2.46E-05	2.90E-05	3.24E-05	2.90E-02
5936	485017.42	3857940.99	2.72E-02	2.01E-05	2.81E-05	3.16E-05	2.72E-02	2.83E-02	2.06E-01	2.57E-03	1.08E-03	2.38E-01	2.83E-02	2.36E-05	2.81E-05	3.16E-05	2.84E-02
5937	484924.41	3857940.73	2.66E-02	1.93E-05	2.73E-05	3.09E-05	2.66E-02	2.77E-02	1.97E-01	2.49E-03	1.06E-03	2.29E-01	2.77E-02	2.26E-05	2.73E-05	3.09E-05	2.77E-02
5938	484831.39	3857940.47	2.60E-02	1.85E-05	2.66E-05	3.07E-05	2.61E-02	2.72E-02	1.89E-01	2.43E-03	1.05E-03	2.20E-01	2.71E-02	2.17E-05	2.66E-05	3.07E-05	2.72E-02
5939	484738.12	3857859.3	2.68E-02	1.94E-05	2.57E-05	3.14E-05	2.69E-02	2.80E-02	1.98E-01	2.34E-03	1.07E-03	2.29E-01	2.79E-02	2.26E-05	2.57E-05	3.14E-05	2.80E-02
5940	484737.85	3857778.4	2.83E-02	2.14E-05	2.56E-05	3.26E-05	2.84E-02	2.95E-02	2.18E-01	2.33E-03	1.11E-03	2.51E-01	2.95E-02	2.50E-05	2.56E-05	3.26E-05	2.96E-02
5941	484737.59	3857697.49	2.98E-02	2.40E-05	2.56E-05	3.41E-05	2.99E-02	3.11E-02	2.45E-01	2.33E-03	1.17E-03	2.79E-01	3.10E-02	2.80E-05	2.56E-05	3.41E-05	3.11E-02
5942	484737.32	3857616.59	3.13E-02	2.76E-05	2.58E-05	3.59E-05	3.14E-02	3.27E-02	2.82E-01	2.35E-03	1.23E-03	3.18E-01	3.26E-02	3.23E-05	2.58E-05	3.59E-05	3.27E-02
5943	484645.53	3857535.18	3.20E-02	3.05E-05	2.55E-05	3.75E-05	3.20E-02	3.33E-02	3.11E-01	2.32E-03	1.28E-03	3.48E-01	3.33E-02	3.56E-05	2.55E-05	3.75E-05	3.34E-02
5944	484553.99	3857534.67	3.09E-02	2.86E-05	2.47E-05	3.66E-05	3.10E-02	3.22E-02	2.92E-01	2.26E-03	1.25E-03	3.27E-01	3.22E-02	3.34E-05	2.47E-05	3.66E-05	3.23E-02
5945	484462.46	3857534.17	2.99E-02	2.69E-05	2.41E-05	3.60E-05	3.00E-02	3.12E-02	2.75E-01	2.20E-03	1.23E-03	3.09E-01	3.12E-02	3.14E-05	2.41E-05	3.60E-05	3.13E-02
5946	484370.93	3857533.66	2.90E-02	2.54E-05	2.35E-05	3.49E-05	2.91E-02	3.02E-02	2.59E-01	2.14E-03	1.19E-03	2.93E-01	3.02E-02	2.97E-05	2.35E-05	3.49E-05	3.03E-02
5947	484279.4	3857533.16	2.81E-02	2.40E-05	2.29E-05	3.41E-05	2.82E-02	2.93E-02	2.45E-01	2.09E-03	1.17E-03	2.77E-01	2.92E-02	2.80E-05	2.29E-05	3.41E-05	2.93E-02
5948	484187.86	3857532.65	2.72E-02	2.27E-05	2.23E-05	3.47E-05	2.72E-02	2.83E-02	2.32E-01	2.04E-03	1.19E-03	2.63E-01	2.83E-02	2.65E-05	2.23E-05	3.47E-05	2.84E-02
5949	484096.33	3857532.15	2.63E-02	2.12E-05	2.18E-05	3.54E-05	2.64E-02	2.75E-02	2.17E-01	1.99E-03	1.21E-03	2.48E-01	2.74E-02	2.49E-05	2.18E-05	3.54E-05	2.75E-02
5950	484004.8	3857531.64	2.54E-02	2.02E-05	2.13E-05	3.50E-05	2.55E-02	2.65E-02	2.06E-01	1.94E-03	1.20E-03	2.36E-01	2.64E-02	2.36E-05	2.13E-05	3.50E-05	2.65E-02
5951	483913.27	3857531.14	2.44E-02	1.94E-05	2.08E-05	3.48E-05	2.45E-02	2.55E-02	1.98E-01	1.89E-03	1.19E-03	2.27E-01	2.54E-02	2.27E-05	2.08E-05	3.48E-05	2.55E-02
5952	483821.73	3857530.63	2.36E-02	1.84E-05	2.03E-05	3.57E-05	2.37E-02	2.46E-02	1.88E-01	1.85E-03	1.22E-03	2.16E-01	2.46E-02	2.15E-05	2.03E-05	3.57E-05	2.47E-02
5953	483729.61	3857450.11	2.36E-02	1.93E-05	2.01E-05	3.86E-05	2.37E-02	2.47E-02	1.97E-01	1.84E-03	1.32E-03	2.25E-01	2.46E-02	2.26E-05	2.01E-05	3.86E-05	2.47E-02
5954	483729.03	3857370.08	2.46E-02	2.12E-05	2.06E-05	4.09E-05	2.47E-02	2.57E-02	2.17E-01	1.88E-03	1.40E-03	2.46E-01	2.56E-02	2.48E-05	2.06E-05	4.09E-05	2.57E-02
5955	483728.44	3857290.06	2.55E-02	2.39E-05	2.11E-05	4.32E-05	2.55E-02	2.66E-02	2.44E-01	1.92E-03	1.48E-03	2.74E-01	2.65E-02	2.80E-05	2.11E-05	4.32E-05	2.66E-02
5956	483727.86	3857210.03	2.63E-02	2.75E-05	2.16E-05	4.61E-05	2.64E-02	2.74E-02	2.81E-01	1.97E-03	1.58E-03	3.12E-01	2.74E-02	3.22E-05	2.16E-05	4.61E-05	2.75E-02
5957	483641.15	3857129.07	2.62E-02	2.82E-05	2.17E-05	4.80E-05	2.63E-02	2.73E-02	2.88E-01	1.98E-03	1.64E-03	3.19E-01	2.73E-02	3.30E-05	2.17E-05	4.80E-05	2.74E-02
5958	483555.03	3857128.14	2.52E-02	2.52E-05	2.12E-05	4.68E-05	2.53E-02	2.63E-02	2.57E-01	1.94E-03	1.60E-03	2.87E-01	2.62E-02	2.95E-05	2.12E-05	4.68E-05	2.63E-02
5959	483468.91	3857127.2	2.41E-02	2.31E-05	2.07E-05	4.50E-05	2.41E-02	2.51E-02	2.36E-01	1.89E-03	1.54E-03	2.64E-01	2.51E-02	2.70E-05	2.07E-05	4.50E-05	2.51E-02
5960	483382.78	3857126.26	2.32E-02	2.08E-05	2.03E-05	4.36E-05	2.33E-02	2.42E-02	2.13E-01	1.86E-03	1.49E-03	2.41E-01	2.42E-02	2.44E-05	2.03E-05	4.36E-05	2.43E-02
5961	483296.66	3857125.32	2.23E-02	1.91E-05	1.99E-05	4.26E-05	2.24E-02	2.33E-02	1.95E-01	1.82E-03	1.46E-03	2.22E-01	2.33E-02	2.24E-05	1.99E-05	4.26E-05	2.34E-02
5962	483210.54	3857124.39	2.15E-02	1.76E-05	1.95E-05	3.95E-05	2.15E-02	2.24E-02	1.80E-01	1.78E-03	1.35E-03	2.06E-01	2.24E-02	2.06E-05	1.95E-05	3.95E-05	2.24E-02
5963	483123.4	3857030.96	2.13E-02	1.76E-05	1.96E-05	3.75E-05	2.14E-02	2.22E-02	1.79E-01	1.79E-03	1.28E-03	2.05E-01	2.22E-02	2.05E-05	1.96E-05	3.75E-05	2.22E-02
5964	483122.38	3856938.46	2.20E-02	1.88E-05	2.01E-05	3.89E-05	2.21E-02	2.29E-02	1.92E-01	1.84E-03	1.33E-03	2.18E-01	2.29E-02	2.20E-05	2.01E-05	3.89E-05	2.30E-02
5965	483121.35	3856845.97	2.27E-02	1.99E-05	2.05E-05	4.10E-05	2.28E-02	2.37E-02	2.04E-01	1.87E-03	1.40E-03	2.30E-01	2.36E-02	2.33E-05	2.05E-05	4.10E-05	2.37E-02
5966	483120.33	3856753.47	2.32E-02	2.15E-05	2.06E-05	4.45E-05	2.33E-02	2.42E-02	2.19E-01	1.88E-03	1.52E-03	2.47E-01	2.42E-02	2.51E-05	2.06E-05	4.45E-05	2.43E-02
5967	483119.31	3856660.98	2.38E-02	2.29E-05	2.06E-05	4.93E-05	2.39E-02	2.48E-02	2.34E-01	1.88E-03	1.68E-03	2.62E-01	2.48E-02	2.68E-05	2.06E-05	4.93E-05	2.48E-02
5968	483118.29	3856568.49	2.44E-02	2.40E-05	2.04E-05	5.50E-05	2.45E-02	2.55E-02	2.45E-01	1.86E-03	1.88E-03	2.74E-01	2.54E-02	2.80E-05	2.04E-05	5.50E-05	2.55E-02
5969	483117.26	3856475.99	2.51E-02	2.47E-05	2.01E-05	6.19E-05	2.53E-02	2.62E-02	2.52E-01	1.83E-03	2.12E-03	2.82E-01	2.62E-02	2.89E-05	2.01E-05	6.19E-05	2.63E-02
5970	483116.24	3856383.5	2.58E-02	2.56E-05	1.98E-05	7.16E-05	2.59E-02	2.69E-02	2.62E-01	1.80E-03	2.45E-03	2.93E-01	2.69E-02	2.99E-05	1.98E-05	7.16E-05	2.70E-02
5971	483115.22	3856291.01	2.64E-02	2.65E-05	1.93E-05	8.47E-05	2.66E-02	2.76E-02	2.71E-01	1.76E-03	2.90E-03	3.03E-01	2.75E-02	3.10E-05	1.93E-05	8.47E-05	2.77E-02
5972	483114.2	3856198.51	2.69E-02	2.79E-05	1.87E-05	9.65E-05	2.71E-02	2.81E-02	2.85E-01	1.71E-03	3.30E-03	3.18E-01	2.80E-02	3.27E-05	1.87E-05	9.65E-05	2.82E-02
5973	483113.17	3856106.02	2.76E-02	2.83E-05	1.81E-05	1.02E-04	2.78E-02	2.88E-02	2.90E-01	1.65E-03	3.48E-03	3.23E-01	2.88E-02	3.32E-05	1.81E-05	1.02E-04	2.89E-02
5974	483112.15	3856013.52	2.80E-02	3.02E-05	1.72E-05	9.95E-05	2.81E-02	2.92E-02	3.09E-01	1.57E-03	3.40E-03	3.43E-01	2.92E-02	3.54E-05	1.72E-05	9.95E-05	2.93E-02

5975	483029.25	3855920.47	2.68E-02	2.74E-05	1.64E-05	8.09E-05	2.69E-02	2.80E-02	2.80E-01	1.50E-03	2.77E-03	3.13E-01	2.79E-02	3.21E-05	1.64E-05	8.09E-05	2.80E-02
5976	482947.37	3855919.91	2.55E-02	2.39E-05	1.66E-05	7.27E-05	2.56E-02	2.66E-02	2.45E-01	1.51E-03	2.49E-03	2.75E-01	2.65E-02	2.80E-05	1.66E-05	7.27E-05	2.66E-02
5977	482865.49	3855919.36	2.42E-02	2.15E-05	1.67E-05	6.58E-05	2.43E-02	2.52E-02	2.20E-01	1.52E-03	2.25E-03	2.49E-01	2.52E-02	2.52E-05	1.67E-05	6.58E-05	2.53E-02
5978	482783.61	3855918.8	2.31E-02	1.91E-05	1.69E-05	6.01E-05	2.32E-02	2.41E-02	1.95E-01	1.54E-03	2.05E-03	2.23E-01	2.40E-02	2.24E-05	1.69E-05	6.01E-05	2.41E-02
5979	482700.33	3855818.39	2.20E-02	1.84E-05	1.61E-05	5.47E-05	2.21E-02	2.29E-02	1.88E-01	1.47E-03	1.87E-03	2.14E-01	2.29E-02	2.15E-05	1.61E-05	5.47E-05	2.30E-02
5980	482698.92	3855718.54	2.20E-02	1.96E-05	1.51E-05	5.22E-05	2.20E-02	2.29E-02	2.01E-01	1.38E-03	1.79E-03	2.27E-01	2.29E-02	2.30E-05	1.51E-05	5.22E-05	2.30E-02
5981	482697.52	3855618.68	2.18E-02	2.13E-05	1.40E-05	4.94E-05	2.19E-02	2.28E-02	2.18E-01	1.27E-03	1.69E-03	2.44E-01	2.27E-02	2.49E-05	1.40E-05	4.94E-05	2.28E-02
5982	482696.11	3855518.83	2.18E-02	2.07E-05	1.28E-05	4.70E-05	2.19E-02	2.28E-02	2.11E-01	1.17E-03	1.61E-03	2.37E-01	2.27E-02	2.42E-05	1.28E-05	4.70E-05	2.28E-02
5983	482694.71	3855418.98	2.15E-02	2.02E-05	1.17E-05	4.53E-05	2.16E-02	2.24E-02	2.07E-01	1.07E-03	1.55E-03	2.32E-01	2.24E-02	2.36E-05	1.17E-05	4.53E-05	2.25E-02
5984	482693.3	3855319.13	2.11E-02	1.90E-05	1.07E-05	4.54E-05	2.11E-02	2.20E-02	1.94E-01	9.75E-04	1.55E-03	2.19E-01	2.19E-02	2.22E-05	1.07E-05	4.54E-05	2.20E-02
5985	482691.9	3855219.27	2.07E-02	1.68E-05	9.84E-06	5.17E-05	2.07E-02	2.15E-02	1.71E-01	8.98E-04	1.77E-03	1.96E-01	2.15E-02	1.96E-05	9.84E-06	5.17E-05	2.16E-02
5986	482690.49	3855119.42	2.00E-02	1.55E-05	9.21E-06	6.67E-05	2.01E-02	2.09E-02	1.58E-01	8.40E-04	2.28E-03	1.82E-01	2.08E-02	1.81E-05	9.21E-06	6.67E-05	2.09E-02
5987	482689.09	3855019.57	1.94E-02	1.26E-05	8.65E-06	8.04E-05	1.95E-02	2.02E-02	1.29E-01	7.89E-04	2.75E-03	1.53E-01	2.02E-02	1.48E-05	8.65E-06	8.04E-05	2.03E-02
5988	482687.68	3854919.71	1.85E-02	9.57E-06	8.33E-06	8.12E-05	1.86E-02	1.93E-02	9.78E-02	7.60E-04	2.78E-03	1.21E-01	1.92E-02	1.12E-05	8.33E-06	8.12E-05	1.93E-02
5989	482686.28	3854819.86	1.75E-02	6.89E-06	8.06E-06	7.09E-05	1.75E-02	1.82E-02	7.04E-02	7.35E-04	2.42E-03	9.17E-02	1.82E-02	8.06E-06	8.06E-06	7.09E-05	1.83E-02
5990	482684.88	3854720.01	1.61E-02	5.55E-06	7.91E-06	5.72E-05	1.62E-02	1.68E-02	5.67E-02	7.21E-04	1.96E-03	7.62E-02	1.68E-02	6.50E-06	7.91E-06	5.72E-05	1.69E-02
5991	482683.47	3854620.16	1.48E-02	4.54E-06	7.76E-06	4.58E-05	1.48E-02	1.54E-02	4.64E-02	7.08E-04	1.57E-03	6.41E-02	1.54E-02	5.31E-06	7.76E-06	4.58E-05	1.55E-02
5992	482682.07	3854520.31	1.34E-02	3.95E-06	7.63E-06	3.79E-05	1.35E-02	1.40E-02	4.04E-02	6.96E-04	1.30E-03	5.64E-02	1.40E-02	4.62E-06	7.63E-06	3.79E-05	1.41E-02
5993	482680.66	3854420.45	1.24E-02	3.53E-06	7.51E-06	3.26E-05	1.25E-02	1.30E-02	3.61E-02	6.84E-04	1.12E-03	5.09E-02	1.29E-02	4.13E-06	7.51E-06	3.26E-05	1.30E-02
5994	482679.26	3854320.6	1.17E-02	3.22E-06	7.40E-06	2.88E-05	1.17E-02	1.22E-02	3.29E-02	6.75E-04	9.84E-04	4.67E-02	1.22E-02	3.76E-06	7.40E-06	2.88E-05	1.22E-02
5995	482677.85	3854220.75	1.13E-02	2.84E-06	7.27E-06	2.56E-05	1.14E-02	1.18E-02	2.90E-02	6.63E-04	8.75E-04	4.24E-02	1.18E-02	3.33E-06	7.27E-06	2.56E-05	1.18E-02
5996	482676.45	3854120.9	1.08E-02	2.69E-06	7.23E-06	2.31E-05	1.09E-02	1.13E-02	2.75E-02	6.59E-04	7.91E-04	4.03E-02	1.13E-02	3.15E-06	7.23E-06	2.31E-05	1.13E-02
5997	482675.04	3854021.04	1.03E-02	2.52E-06	7.14E-06	2.12E-05	1.04E-02	1.08E-02	2.58E-02	6.52E-04	7.24E-04	3.79E-02	1.08E-02	2.95E-06	7.14E-06	2.12E-05	1.08E-02
5998	482673.64	3853921.19	9.74E-03	2.38E-06	7.10E-06	1.96E-05	9.76E-03	1.02E-02	2.43E-02	6.48E-04	6.71E-04	3.58E-02	1.01E-02	2.78E-06	7.10E-06	1.96E-05	1.02E-02
5999	482672.23	3853821.34	9.14E-03	2.22E-06	7.00E-06	1.84E-05	9.17E-03	9.54E-03	2.27E-02	6.38E-04	6.29E-04	3.35E-02	9.52E-03	2.60E-06	7.00E-06	1.84E-05	9.55E-03
6000	482670.83	3853721.48	8.51E-03	2.08E-06	6.91E-06	1.73E-05	8.54E-03	8.88E-03	2.13E-02	6.30E-04	5.93E-04	3.14E-02	8.86E-03	2.44E-06	6.91E-06	1.73E-05	8.89E-03
6001	482669.42	3853621.63	7.96E-03	1.98E-06	6.83E-06	1.65E-05	7.98E-03	8.30E-03	2.02E-02	6.22E-04	5.63E-04	2.97E-02	8.29E-03	2.31E-06	6.83E-06	1.65E-05	8.31E-03
6002	482645.99	3853446.13	7.38E-03	1.80E-06	6.61E-06	1.50E-05	7.41E-03	7.70E-03	1.84E-02	6.03E-04	5.15E-04	2.72E-02	7.69E-03	2.10E-06	6.61E-06	1.50E-05	7.71E-03
6003	482623.97	3853370.48	7.26E-03	1.73E-06	6.53E-06	1.45E-05	7.28E-03	7.57E-03	1.77E-02	5.95E-04	4.95E-04	2.64E-02	7.56E-03	2.03E-06	6.53E-06	1.45E-05	7.58E-03
6004	482601.94	3853294.84	7.18E-03	1.67E-06	6.44E-06	1.40E-05	7.20E-03	7.49E-03	1.70E-02	5.88E-04	4.78E-04	2.56E-02	7.48E-03	1.95E-06	6.44E-06	1.40E-05	7.50E-03
6005	482531.29	3853133.44	7.05E-03	1.53E-06	6.25E-06	1.30E-05	7.07E-03	7.36E-03	1.57E-02	5.70E-04	4.43E-04	2.40E-02	7.34E-03	1.80E-06	6.25E-06	1.30E-05	7.36E-03
6006	482482.68	3853047.69	6.97E-03	1.46E-06	6.14E-06	1.24E-05	6.99E-03	7.27E-03	1.49E-02	5.60E-04	4.26E-04	2.32E-02	7.26E-03	1.71E-06	6.14E-06	1.24E-05	7.28E-03
6007	482383.09	3852897.4	6.74E-03	1.37E-06	5.97E-06	1.16E-05	6.76E-03	7.03E-03	1.40E-02	5.45E-04	3.97E-04	2.20E-02	7.02E-03	1.60E-06	5.97E-06	1.16E-05	7.04E-03
6008	482265.64	3852765.26	6.43E-03	1.29E-06	5.85E-06	1.09E-05	6.44E-03	6.70E-03	1.32E-02	5.33E-04	3.73E-04	2.08E-02	6.69E-03	1.51E-06	5.85E-06	1.09E-05	6.71E-03
6009	482199.16	3852697.66	6.25E-03	1.26E-06	5.78E-06	1.06E-05	6.27E-03	6.53E-03	1.29E-02	5.27E-04	3.61E-04	2.03E-02	6.51E-03	1.47E-06	5.78E-06	1.06E-05	6.53E-03
6010	482132.69	3852630.07	6.09E-03	1.22E-06	5.70E-06	1.03E-05	6.11E-03	6.36E-03	1.25E-02	5.20E-04	3.51E-04	1.97E-02	6.34E-03	1.43E-06	5.70E-06	1.03E-05	6.36E-03
6011	482066.21	3852562.48	5.94E-03	1.19E-06	5.63E-06	1.00E-05	5.95E-03	6.19E-03	1.22E-02	5.14E-04	3.42E-04	1.92E-02	6.18E-03	1.40E-06	5.63E-06	1.00E-05	6.20E-03
6012	481999.74	3852494.89	5.78E-03	1.17E-06	5.57E-06	9.75E-06	5.80E-03	6.03E-03	1.19E-02	5.08E-04	3.34E-04	1.88E-02	6.02E-03	1.37E-06	5.57E-06	9.75E-06	6.04E-03
6013	481933.26	3852427.29	5.64E-03	1.14E-06	5.51E-06	9.54E-06	5.65E-03	5.88E-03	1.17E-02	5.02E-04	3.26E-04	1.84E-02	5.87E-03	1.34E-06	5.51E-06	9.54E-06	5.89E-03
6014	481866.79	3852359.7	5.50E-03	1.12E-06	5.44E-06	9.32E-06	5.52E-03	5.74E-03	1.14E-02	4.96E-04	3.19E-04	1.80E-02	5.73E-03	1.31E-06	5.44E-06	9.32E-06	5.75E-03
6015	481800.31	3852292.11	5.38E-03	1.09E-06	5.38E-06	9.13E-06	5.39E-03	5.61E-03	1.11E-02	4.91E-04	3.12E-04	1.76E-02	5.60E-03	1.28E-06	5.38E-06	9.13E-06	5.61E-03
6016	481733.84	3852224.52	5.25E-03	1.07E-06	5.32E-06	8.96E-06	5.27E-03	5.48E-03	1.09E-02	4.85E-04	3.06E-04	1.72E-02	5.47E-03	1.25E-06	5.32E-06	8.96E-06	5.49E-03
6017	481667.36	3852156.92	5.14E-03	1.05E-06	5.25E-06	8.78E-06	5.15E-03	5.36E-03	1.07E-02	4.79E-04	3.00E-04	1.68E-02	5.35E-03	1.22E-06	5.25E-06	8.78E-06	5.36E-03
6018	481600.89	3852089.33	5.02E-03	1.03E-06	5.21E-06	8.63E-06	5.03E-03	5.24E-03	1.06E-02	4.75E-04	2.95E-04	1.66E-02	5.22E-03	1.21E-06	5.21E-06	8.63E-06	5.24E-03
6019	481534.41	3852021.74	4.90E-03	1.02E-06	5.17E-06	8.46E-06	4.91E-03	5.11E-03	1.05E-02	4.71E-04	2.89E-04	1.63E-02	5.10E-03	1.20E-06	5.17E-06	8.46E-06	5.12E-03
6020	481467.94	3851954.15	4.79E-03	1.01E-06	5.10E-06	8.31E-06	4.80E-03	5.00E-03	1.03E-02	4.65E-04	2.84E-04	1.61E-02	4.99E-03	1.18E-06	5.10E-06	8.31E-06	5.00E-03
6021	481401.46	3851886.55	4.69E-03	9.96E-07	5.06E-06	8.16E-06	4.70E-03	4.89E-03	1.02E-02	4.61E-04	2.79E-04	1.58E-02	4.88E-03	1.16E-06	5.06E-06	8.16E-06	4.90E-03
6022	481265.87	3851761.43	4.48E-03	9.77E-07	4.98E-06	7.88E-06	4.49E-03	4.67E-03	9.98E-03	4.54E-04	2.69E-04	1.54E-02	4.66E-03	1.14E-06	4.98E-06	7.88E-06	4.68E-03
6023	481196.74	3851703.89	4.38E-03	9.65E-07	4.93E-06	7.77E-06	4.39E-03	4.57E-03	9.86E-03	4.50E-04	2.66E-04	1.51E-02	4.56E-03	1.13E-06	4.93E-06	7.77E-06	4.57E-03
6024	481076.33	3851619.04	4.20E-03	9.53E-07	4.87E-06	7.58E-06	4.21E-03	4.38E-03	9.74E-03	4.44E-04	2.59E-04	1.48E-02	4.37E-03	1.12E-06	4.87E-06	7.58E-06	4.39E-03
6025	480939.8	3851549.07	3.97E-03	9.38E-07	4.83E-06	7.41E-06	3.99E-03	4.15E-03	9.58E-03	4.40E-04	2.53E-04	1.44E-02	4.14E-03	1.10E-06	4.83E-06	7.41E-06	4.15E-03
6026	480854.56	3851506.41	3.83E-03	9.28E-07	4.78E-06	7.30E-06	3.84E-03	4.00E-03	9.48E-03	4.36E-04	2.50E-04	1.42E-02	3.99E-03	1.09E-06	4.78E-06	7.30E-06	4.00E-03
6027	480769.32	3851463.75	3.69E-03	9.15E-07	4.76E-06	7.19E-06	3.70E-03	3.85E-03	9.35E-03	4.34E-04	2.46E-04	1.39E-02	3.84E-03	1.07E-06	4.76E-06	7.19E-06	3.86E-03
6028	480684.08	3851421.08	3.55E-03	9.03E-07	4.74E-06	7.10E-06	3.57E-03	3.71E-03	9.22E-03	4.32E-04	2.43E-04	1.36E-02	3.70E-03	1.06E-06	4.74E-06	7.10E-06	3.71E-03
6029	480598.84	3851378.42	3.42E-03	8.97E-07	4.72E-06	7.02E-06	3.43E-03	3.57E-03	9.16E-03	4.30E-04	2.40E-04	1.34E-02	3.56E-03	1.05E-06	4.72E-06	7.02E-06	3.57E-03
6030	480435.71	3851275.01	3.21E-03	8.75E-07	4.66E-06	6.85E-06	3.22E-03	3.35E-03	8.94E-03	4.25E-04	2.34E-04	1.29E-02	3.34E-03	1.02E-06	4.66E-06	6.85E-06	3.35E-03
6031	480347.85	3851232.36	3.09E-03	8.69E-07	4.64E-06	6.78E-06	3.10E-03	3.22E-03	8.88E-03	4.23E-04	2.32E-04	1.28E-02	3.21E-03	1.02E-06	4.64E-06	6.78E-06	3.23E-03
6032	480260	3851189.72	2.97E-03	8.63E-07	4.61E-06	6.72E-06	2.99E-03	3.10E-03	8.81E-03	4.21E-04	2.30E-04	1.26E-02	3.10E-03	1.01E-06	4.61E-06	6.72E-06	3.11E-03
6033	480172.15	3851147.07	2.87E-03	8.55E-07	4.59E-06	6.65E-06	2.88E-03	3.00E-03	8.74E-03	4.19E-04	2.27E-04	1.24E-02	2.99E-03	1.00E-06	4.59E-06	6.65E-06	3.00E-03
6034	480084.29	3851104.42	2.78E-03	8.47E-07	4.57E-06	6.59E-06	2.79E-03	2.90E-03	8.65E-03	4.17E-04	2.25E-04	1.22E-02	2.89E-03	9.90E-07	4.57E-06	6.59E-06	2.90E-03
6035	479996.44	3851061.77	2.69E-03	8.36E-07	4.55E-06	6.54E-06	2.70E-03	2.81E-03	8.54E-03	4.15E-04	2.24E-04	1.20E-02	2.80E-03	9.78E-07	4.55E-06	6.54E-06	2.81E-03

6036	479908.58	3851019.13	2.61E-03	8.10E-07	4.51E-06	6.50E-06	2.62E-03	2.72E-03	8.28E-03	4.11E-04	2.22E-04	1.16E-02	2.72E-03	9.48E-07	4.51E-06	6.50E-06	2.73E-03
6037	479820.73	3850976.48	2.53E-03	8.02E-07	4.49E-06	6.44E-06	2.54E-03	2.64E-03	8.20E-03	4.09E-04	2.20E-04	1.15E-02	2.64E-03	9.39E-07	4.49E-06	6.44E-06	2.65E-03
6038	479732.88	3850933.83	2.47E-03	7.96E-07	4.46E-06	6.39E-06	2.48E-03	2.57E-03	8.13E-03	4.07E-04	2.19E-04	1.13E-02	2.57E-03	9.31E-07	4.46E-06	6.39E-06	2.58E-03
6039	479645.02	3850891.18	2.40E-03	7.91E-07	4.44E-06	6.33E-06	2.42E-03	2.51E-03	8.08E-03	4.05E-04	2.16E-04	1.12E-02	2.50E-03	9.25E-07	4.44E-06	6.33E-06	2.51E-03
6040	479557.17	3850848.54	2.35E-03	7.89E-07	4.42E-06	6.26E-06	2.36E-03	2.45E-03	8.06E-03	4.03E-04	2.14E-04	1.11E-02	2.45E-03	9.23E-07	4.42E-06	6.26E-06	2.46E-03
6041	479469.32	3850805.89	2.30E-03	7.79E-07	4.40E-06	6.22E-06	2.31E-03	2.40E-03	7.95E-03	4.01E-04	2.13E-04	1.10E-02	2.39E-03	9.11E-07	4.40E-06	6.22E-06	2.41E-03
6042	479381.46	3850763.24	2.26E-03	7.81E-07	4.38E-06	6.16E-06	2.27E-03	2.35E-03	7.98E-03	3.99E-04	2.11E-04	1.09E-02	2.35E-03	9.14E-07	4.38E-06	6.16E-06	2.36E-03
6043	479293.61	3850720.59	2.22E-03	7.91E-07	4.36E-06	6.09E-06	2.23E-03	2.31E-03	8.08E-03	3.98E-04	2.08E-04	1.10E-02	2.31E-03	9.25E-07	4.36E-06	6.09E-06	2.32E-03
6044	479205.76	3850677.95	2.18E-03	7.96E-07	4.34E-06	6.01E-06	2.19E-03	2.28E-03	8.14E-03	3.96E-04	2.05E-04	1.10E-02	2.27E-03	9.32E-07	4.34E-06	6.01E-06	2.29E-03
6045	479117.9	3850635.3	2.15E-03	8.04E-07	4.32E-06	5.94E-06	2.16E-03	2.25E-03	8.21E-03	3.94E-04	2.03E-04	1.11E-02	2.24E-03	9.41E-07	4.32E-06	5.94E-06	2.25E-03
6046	479030.05	3850592.65	2.12E-03	8.06E-07	4.32E-06	5.90E-06	2.13E-03	2.22E-03	8.24E-03	3.94E-04	2.02E-04	1.10E-02	2.21E-03	9.43E-07	4.32E-06	5.90E-06	2.22E-03
6047	478942.19	3850550	2.10E-03	7.92E-07	4.27E-06	5.86E-06	2.11E-03	2.19E-03	8.10E-03	3.90E-04	2.00E-04	1.09E-02	2.18E-03	9.27E-07	4.27E-06	5.86E-06	2.19E-03
6048	478854.34	3850507.36	2.04E-03	7.56E-07	4.25E-06	5.81E-06	2.05E-03	2.13E-03	7.73E-03	3.88E-04	1.99E-04	1.04E-02	2.13E-03	8.85E-07	4.25E-06	5.81E-06	2.14E-03
6049	478766.49	3850464.71	2.01E-03	7.40E-07	4.21E-06	5.77E-06	2.02E-03	2.10E-03	7.56E-03	3.84E-04	1.97E-04	1.02E-02	2.09E-03	8.66E-07	4.21E-06	5.77E-06	2.10E-03
6050	478678.63	3850422.06	1.99E-03	7.29E-07	4.19E-06	5.73E-06	2.00E-03	2.07E-03	7.45E-03	3.82E-04	1.96E-04	1.01E-02	2.07E-03	8.53E-07	4.19E-06	5.73E-06	2.08E-03
6051	478590.78	3850379.41	1.97E-03	7.16E-07	4.17E-06	5.68E-06	1.98E-03	2.05E-03	7.31E-03	3.80E-04	1.94E-04	9.94E-03	2.05E-03	8.38E-07	4.17E-06	5.68E-06	2.06E-03
6052	478502.93	3850336.77	1.95E-03	7.07E-07	4.15E-06	5.64E-06	1.96E-03	2.03E-03	7.23E-03	3.78E-04	1.93E-04	9.83E-03	2.03E-03	8.28E-07	4.15E-06	5.64E-06	2.04E-03
6053	478415.07	3850294.12	1.93E-03	7.02E-07	4.12E-06	5.60E-06	1.95E-03	2.02E-03	7.17E-03	3.76E-04	1.91E-04	9.76E-03	2.01E-03	8.21E-07	4.12E-06	5.60E-06	2.03E-03
6054	478327.22	3850251.47	1.92E-03	6.87E-07	4.10E-06	5.55E-06	1.93E-03	2.00E-03	7.02E-03	3.74E-04	1.90E-04	9.58E-03	1.99E-03	8.03E-07	4.10E-06	5.55E-06	2.01E-03
6055	478239.36	3850208.82	1.90E-03	6.74E-07	4.06E-06	5.51E-06	1.91E-03	1.98E-03	6.89E-03	3.70E-04	1.88E-04	9.43E-03	1.98E-03	7.89E-07	4.06E-06	5.51E-06	1.99E-03
6056	478151.51	3850166.18	1.88E-03	6.63E-07	4.04E-06	5.47E-06	1.89E-03	1.96E-03	6.77E-03	3.68E-04	1.87E-04	9.29E-03	1.96E-03	7.75E-07	4.04E-06	5.47E-06	1.97E-03
6057	478063.66	3850123.53	1.87E-03	6.53E-07	4.02E-06	5.42E-06	1.88E-03	1.95E-03	6.67E-03	3.66E-04	1.86E-04	9.17E-03	1.94E-03	7.64E-07	4.02E-06	5.42E-06	1.95E-03
6058	477975.8	3850080.88	1.86E-03	6.75E-07	4.00E-06	5.38E-06	1.87E-03	1.94E-03	6.90E-03	3.65E-04	1.84E-04	9.39E-03	1.94E-03	7.90E-07	4.00E-06	5.38E-06	1.95E-03
6059	477887.95	3850038.23	1.85E-03	6.72E-07	3.98E-06	5.34E-06	1.86E-03	1.93E-03	6.87E-03	3.63E-04	1.83E-04	9.34E-03	1.93E-03	7.86E-07	3.98E-06	5.34E-06	1.94E-03
6060	477800.1	3849995.59	1.84E-03	6.72E-07	3.95E-06	5.32E-06	1.85E-03	1.92E-03	6.87E-03	3.61E-04	1.82E-04	9.33E-03	1.91E-03	7.86E-07	3.95E-06	5.32E-06	1.92E-03
6061	477712.24	3849952.94	1.82E-03	6.63E-07	3.93E-06	5.27E-06	1.83E-03	1.90E-03	6.77E-03	3.59E-04	1.80E-04	9.21E-03	1.90E-03	7.75E-07	3.93E-06	5.27E-06	1.91E-03
6062	477624.39	3849910.29	1.81E-03	6.52E-07	3.89E-06	5.25E-06	1.82E-03	1.89E-03	6.66E-03	3.55E-04	1.80E-04	9.08E-03	1.88E-03	7.63E-07	3.89E-06	5.25E-06	1.89E-03
6063	477536.54	3849867.64	1.79E-03	6.43E-07	3.87E-06	5.23E-06	1.80E-03	1.87E-03	6.57E-03	3.53E-04	1.79E-04	8.97E-03	1.87E-03	7.52E-07	3.87E-06	5.23E-06	1.88E-03
6064	477448.68	3849825	1.77E-03	6.28E-07	3.85E-06	5.21E-06	1.78E-03	1.85E-03	6.42E-03	3.51E-04	1.78E-04	8.80E-03	1.85E-03	7.35E-07	3.85E-06	5.21E-06	1.86E-03
6065	477360.83	3849782.35	1.76E-03	6.14E-07	3.83E-06	5.17E-06	1.77E-03	1.84E-03	6.27E-03	3.49E-04	1.77E-04	8.63E-03	1.83E-03	7.18E-07	3.83E-06	5.17E-06	1.84E-03
6066	477272.97	3849739.7	1.74E-03	5.99E-07	3.81E-06	5.15E-06	1.75E-03	1.82E-03	6.12E-03	3.47E-04	1.76E-04	8.46E-03	1.81E-03	7.00E-07	3.81E-06	5.15E-06	1.82E-03
6067	477185.12	3849697.05	1.73E-03	5.86E-07	3.78E-06	5.12E-06	1.74E-03	1.80E-03	5.99E-03	3.45E-04	1.75E-04	8.31E-03	1.80E-03	6.86E-07	3.78E-06	5.12E-06	1.81E-03
6068	477097.27	3849654.41	1.71E-03	5.71E-07	3.76E-06	5.10E-06	1.72E-03	1.78E-03	5.83E-03	3.43E-04	1.74E-04	8.13E-03	1.78E-03	6.68E-07	3.76E-06	5.10E-06	1.79E-03
6069	477009.41	3849611.76	1.69E-03	5.46E-07	3.72E-06	5.08E-06	1.70E-03	1.76E-03	5.58E-03	3.39E-04	1.74E-04	7.86E-03	1.76E-03	6.39E-07	3.72E-06	5.08E-06	1.77E-03
6070	476841.49	3849530.08	1.66E-03	5.16E-07	3.68E-06	5.04E-06	1.67E-03	1.73E-03	5.27E-03	3.35E-04	1.72E-04	7.51E-03	1.73E-03	6.04E-07	3.68E-06	5.04E-06	1.73E-03
6071	476761.41	3849491.05	1.64E-03	5.05E-07	3.66E-06	5.02E-06	1.65E-03	1.71E-03	5.16E-03	3.34E-04	1.72E-04	7.38E-03	1.71E-03	5.91E-07	3.66E-06	5.02E-06	1.72E-03
6072	476681.34	3849452.02	1.63E-03	4.90E-07	3.64E-06	4.99E-06	1.64E-03	1.70E-03	5.01E-03	3.32E-04	1.71E-04	7.21E-03	1.69E-03	5.74E-07	3.64E-06	4.99E-06	1.70E-03
6073	476601.26	3849412.99	1.61E-03	4.73E-07	3.61E-06	4.97E-06	1.62E-03	1.68E-03	4.84E-03	3.30E-04	1.70E-04	7.02E-03	1.68E-03	5.54E-07	3.61E-06	4.97E-06	1.69E-03
6074	476456.32	3849353.67	1.58E-03	4.37E-07	3.57E-06	4.95E-06	1.59E-03	1.65E-03	4.47E-03	3.26E-04	1.69E-04	6.61E-03	1.65E-03	5.11E-07	3.57E-06	4.95E-06	1.66E-03
6075	476305.43	3849318.83	1.57E-03	4.25E-07	3.53E-06	4.95E-06	1.58E-03	1.64E-03	4.34E-03	3.22E-04	1.69E-04	6.47E-03	1.64E-03	4.97E-07	3.53E-06	4.95E-06	1.65E-03
6076	476129.36	3849289.99	1.56E-03	4.03E-07	3.49E-06	4.95E-06	1.57E-03	1.63E-03	4.12E-03	3.18E-04	1.69E-04	6.24E-03	1.63E-03	4.72E-07	3.49E-06	4.95E-06	1.64E-03
6077	476039.31	3849275.68	1.56E-03	3.94E-07	3.49E-06	4.95E-06	1.57E-03	1.63E-03	4.02E-03	3.18E-04	1.69E-04	6.14E-03	1.63E-03	4.61E-07	3.49E-06	4.95E-06	1.63E-03
6078	475949.26	3849261.38	1.55E-03	3.77E-07	3.47E-06	4.95E-06	1.56E-03	1.62E-03	3.85E-03	3.16E-04	1.69E-04	5.95E-03	1.61E-03	4.41E-07	3.47E-06	4.95E-06	1.62E-03
6079	475859.21	3849247.08	1.55E-03	3.69E-07	3.44E-06	4.95E-06	1.55E-03	1.61E-03	3.77E-03	3.14E-04	1.69E-04	5.87E-03	1.61E-03	4.32E-07	3.44E-06	4.95E-06	1.62E-03
6080	475769.16	3849232.77	1.54E-03	3.60E-07	3.42E-06	4.95E-06	1.55E-03	1.60E-03	3.68E-03	3.12E-04	1.69E-04	5.76E-03	1.60E-03	4.21E-07	3.42E-06	4.95E-06	1.61E-03
6081	475585.22	3849219.27	1.43E-03	2.93E-07	3.40E-06	4.93E-06	1.44E-03	1.49E-03	2.99E-03	3.10E-04	1.69E-04	4.96E-03	1.49E-03	3.42E-07	3.40E-06	4.93E-06	1.50E-03
6082	475444.49	3849150.35	1.48E-03	3.22E-07	3.38E-06	4.91E-06	1.49E-03	1.54E-03	3.29E-03	3.08E-04	1.68E-04	5.31E-03	1.54E-03	3.77E-07	3.38E-06	4.91E-06	1.55E-03
6083	475334.17	3849118.71	1.48E-03	3.28E-07	3.36E-06	4.89E-06	1.49E-03	1.55E-03	3.35E-03	3.06E-04	1.67E-04	5.37E-03	1.54E-03	3.84E-07	3.36E-06	4.89E-06	1.55E-03
6084	475230.47	3849060.56	1.46E-03	3.24E-07	3.34E-06	4.87E-06	1.47E-03	1.53E-03	3.31E-03	3.04E-04	1.66E-04	5.31E-03	1.52E-03	3.80E-07	3.34E-06	4.87E-06	1.53E-03
6085	475110.86	3848960.97	1.43E-03	3.17E-07	3.32E-06	4.80E-06	1.43E-03	1.49E-03	3.24E-03	3.02E-04	1.64E-04	5.19E-03	1.48E-03	3.70E-07	3.32E-06	4.80E-06	1.49E-03
6086	475037.79	3848896.28	1.40E-03	3.09E-07	3.30E-06	4.76E-06	1.40E-03	1.46E-03	3.16E-03	3.01E-04	1.63E-04	5.08E-03	1.45E-03	3.61E-07	3.30E-06	4.76E-06	1.46E-03
6087	474964.72	3848831.59	1.37E-03	3.01E-07	3.27E-06	4.74E-06	1.38E-03	1.43E-03	3.08E-03	2.99E-04	1.62E-04	4.97E-03	1.42E-03	3.52E-07	3.27E-06	4.74E-06	1.43E-03
6088	474891.65	3848766.9	1.35E-03	2.97E-07	3.25E-06	4.69E-06	1.35E-03	1.40E-03	3.04E-03	2.97E-04	1.61E-04	4.90E-03	1.40E-03	3.48E-07	3.25E-06	4.69E-06	1.41E-03
6089	474818.58	3848702.21	1.33E-03	2.95E-07	3.23E-06	4.67E-06	1.34E-03	1.39E-03	3.01E-03	2.95E-04	1.60E-04	4.86E-03	1.38E-03	3.45E-07	3.23E-06	4.67E-06	1.39E-03
6090	474745.51	3848637.53	1.33E-03	3.00E-07	3.21E-06	4.63E-06	1.33E-03	1.38E-03	3.07E-03	2.93E-04	1.58E-04	4.90E-03	1.38E-03	3.51E-07	3.21E-06	4.63E-06	1.39E-03
6091	474672.44	3848572.84	1.31E-03	3.00E-07	3.19E-06	4.61E-06	1.32E-03	1.37E-03	3.07E-03	2.91E-04	1.58E-04	4.88E-03	1.36E-03	3.51E-07	3.19E-06	4.61E-06	1.37E-03
6092	474599.37	3848508.15	1.29E-03	2.93E-07	3.19E-06	4.56E-06	1.29E-03	1.34E-03	3.00E-03	2.91E-04	1.56E-04	4.79E-03	1.34E-03	3.43E-07	3.19E-06	4.56E-06	1.35E-03
6093	474526.3	3848443.46	1.27E-03	2.90E-07	3.17E-06	4.54E-06	1.28E-03	1.32E-03	2.97E-03	2.89E-04	1.55E-04	4.74E-03	1.32E-03	3.40E-07	3.17E-06	4.54E-06	1.33E-03

			NO2				2028 Unmitigated					2028 Mitigated					2033 Unmitigated				
			1st				Rates (g/s	1.64E-01	7.76E-01	1.94E-01	7.36E-02	1.61E-01	3.36E-05	2.13E-03	2.15E-03		1.96E-01	7.76E-01	1.94E-01	7.36E-02	
			Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]				Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARE	WHS (PAR	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	9.34025	1.80358	18.944	14.87357		1.53E+00	1.40E+00	3.67E+00	1.10E+00	7.70E+00	1.51E+00	6.06E-05	4.03E-02	3.20E-02	1.58E+00	1.83E+00	1.40E+00	3.67E+00	1.10E+00	8.00E+00
2	486023.61	3854936.51	8.80939	1.78215	22.006	14.95397		1.44E+00	1.38E+00	4.27E+00	1.10E+00	8.19E+00	1.42E+00	5.99E-05	4.68E-02	3.22E-02	1.50E+00	1.72E+00	1.38E+00	4.27E+00	1.10E+00	8.47E+00
3	486073.61	3854936.51	8.38997	1.76418	26.084	14.80247		1.37E+00	1.37E+00	5.06E+00	1.09E+00	8.89E+00	1.35E+00	5.93E-05	5.55E-02	3.19E-02	1.44E+00	1.64E+00	1.37E+00	5.06E+00	1.09E+00	9.16E+00
4	486123.61	3854936.51	7.47915	1.72881	29.456	14.48568		1.22E+00	1.34E+00	5.71E+00	1.07E+00	9.34E+00	1.21E+00	5.81E-05	6.26E-02	3.12E-02	1.30E+00	1.46E+00	1.34E+00	5.71E+00	1.07E+00	9.58E+00
5	486173.61	3854936.51	7.1021	1.72416	31.738	14.04082		1.16E+00	1.34E+00	6.15E+00	1.03E+00	9.69E+00	1.14E+00	5.79E-05	6.75E-02	3.02E-02	1.24E+00	1.39E+00	1.34E+00	6.15E+00	1.03E+00	9.92E+00
6	486223.61	3854936.51	6.51249	1.69769	33.671	13.53989		1.07E+00	1.32E+00	6.53E+00	9.97E-01	9.91E+00	1.05E+00	5.70E-05	7.16E-02	2.91E-02	1.15E+00	1.27E+00	1.32E+00	6.53E+00	9.97E-01	1.01E+01
7	486273.61	3854936.51	6.17135	1.6775	34.868	13.03484		1.01E+00	1.30E+00	6.76E+00	9.60E-01	1.00E+01	9.94E-01	5.63E-05	7.41E-02	2.81E-02	1.10E+00	1.21E+00	1.30E+00	6.76E+00	9.60E-01	1.02E+01
8	486323.61	3854936.51	6.08175	1.67084	35.505	12.98526		9.95E-01	1.30E+00	6.88E+00	9.56E-01	1.01E+01	9.80E-01	5.61E-05	7.55E-02	2.80E-02	1.08E+00	1.19E+00	1.30E+00	6.88E+00	9.56E-01	1.03E+01
9	485973.61	3854986.51	10.0172	1.82942	17.642	15.34954		1.64E+00	1.42E+00	3.42E+00	1.13E+00	7.61E+00	1.61E+00	6.15E-05	3.75E-02	3.30E-02	1.68E+00	1.96E+00	1.42E+00	3.42E+00	1.13E+00	7.93E+00
10	486023.61	3854986.51	9.59255	1.81196	19.835	15.08257		1.57E+00	1.41E+00	3.85E+00	1.11E+00	7.93E+00	1.55E+00	6.09E-05	4.22E-02	3.25E-02	1.62E+00	1.88E+00	1.41E+00	3.85E+00	1.11E+00	8.24E+00
11	486073.61	3854986.51	8.95221	1.79026	23.427	14.68039		1.46E+00	1.39E+00	4.54E+00	1.08E+00	8.48E+00	1.44E+00	6.01E-05	4.98E-02	3.16E-02	1.52E+00	1.75E+00	1.39E+00	4.54E+00	1.08E+00	8.76E+00
12	486123.61	3854986.51	8.22457	1.76684	27.456	14.18432		1.35E+00	1.37E+00	5.32E+00	1.04E+00	9.08E+00	1.33E+00	5.94E-05	5.84E-02	3.05E-02	1.41E+00	1.61E+00	1.37E+00	5.32E+00	1.04E+00	9.35E+00
13	486173.61	3854986.51	7.64232	1.75341	30.297	13.66938		1.25E+00	1.36E+00	5.87E+00	1.01E+00	9.49E+00	1.23E+00	5.89E-05	6.44E-02	2.94E-02	1.33E+00	1.50E+00	1.36E+00	5.87E+00	1.01E+00	9.74E+00
14	486223.61	3854986.51	6.95725	1.72499	32.709	13.63328		1.14E+00	1.34E+00	6.34E+00	1.00E+00	9.82E+00	1.12E+00	5.79E-05	6.95E-02	2.93E-02	1.22E+00	1.36E+00	1.34E+00	6.34E+00	1.00E+00	1.00E+01
15	486273.61	3854986.51	6.30326	1.69232	34.448	13.65517		1.03E+00	1.31E+00	6.68E+00	1.01E+00	1.00E+01	1.02E+00	5.68E-05	7.32E-02	2.94E-02	1.12E+00	1.23E+00	1.31E+00	6.68E+00	1.01E+00	1.02E+01
16	486323.61	3854986.51	6.3929	1.69437	35.27	13.92112		1.05E+00	1.31E+00	6.84E+00	1.02E+00	1.02E+01	1.03E+00	5.69E-05	7.50E-02	3.00E-02	1.14E+00	1.25E+00	1.31E+00	6.84E+00	1.02E+00	1.04E+01
17	485973.61	3855036.51	10.8459	1.86034	16.769	15.18464		1.77E+00	1.44E+00	3.25E+00	1.12E+00	7.59E+00	1.75E+00	6.25E-05	3.57E-02	3.27E-02	1.82E+00	2.12E+00	1.44E+00	3.25E+00	1.12E+00	7.94E+00
18	486023.61	3855036.51	10.3062	1.84457	18.22	14.69817		1.69E+00	1.43E+00	3.53E+00	1.08E+00	7.73E+00	1.66E+00	6.20E-05	3.87E-02	3.16E-02	1.73E+00	2.02E+00	1.43E+00	3.53E+00	1.08E+00	8.06E+00
19	486073.61	3855036.51	9.5202	1.81614	21.045	14.18759		1.56E+00	1.41E+00	4.08E+00	1.04E+00	8.09E+00	1.53E+00	6.10E-05	4.47E-02	3.05E-02	1.61E+00	1.86E+00	1.41E+00	4.08E+00	1.04E+00	8.40E+00
20	486123.61	3855036.51	8.83294	1.79322	25.077	14.12008		1.44E+00	1.39E+00	4.86E+00	1.04E+00	8.74E+00	1.42E+00	6.02E-05	5.33E-02	3.04E-02	1.51E+00	1.73E+00	1.39E+00	4.86E+00	1.04E+00	9.02E+00
21	486173.61	3855036.51	8.25886	1.78023	28.541	14.26737		1.35E+00	1.38E+00	5.53E+00	1.05E+00	9.32E+00	1.33E+00	5.98E-05	6.07E-02	3.07E-02	1.42E+00	1.62E+00	1.38E+00	5.53E+00	1.05E+00	9.58E+00
22	486223.61	3855036.51	7.331	1.74611	31.504	14.50273		1.20E+00	1.35E+00	6.11E+00	1.07E+00	9.73E+00	1.18E+00	5.87E-05	6.70E-02	3.12E-02	1.28E+00	1.43E+00	1.35E+00	6.11E+00	1.07E+00	9.97E+00
23	486273.61	3855036.51	6.89653	1.73305	33.467	14.91583		1.13E+00	1.34E+00	6.49E+00	1.10E+00	1.01E+01	1.11E+00	5.82E-05	7.12E-02	3.21E-02	1.21E+00	1.35E+00	1.34E+00	6.49E+00	1.10E+00	1.03E+01
24	486323.61	3855036.51	6.5588	1.70511	34.935	15.23192		1.07E+00	1.32E+00	6.77E+00	1.12E+00	1.03E+01	1.06E+00	5.73E-05	7.43E-02	3.28E-02	1.16E+00	1.28E+00	1.32E+00	6.77E+00	1.12E+00	1.05E+01
25	485973.61	3855086.51	11.7874	1.89174	16.498	14.77082		1.93E+00	1.47E+00	3.20E+00	1.09E+00	7.68E+00	1.90E+00	6.35E-05	3.51E-02	3.18E-02	1.97E+00	2.31E+00	1.47E+00	3.20E+00	1.09E+00	8.06E+00
26	486023.61	3855086.51	11.1681	1.88346	17.085	14.3853		1.83E+00	1.46E+00	3.31E+00	1.06E+00	7.66E+00	1.80E+00	6.33E-05	3.63E-02	3.10E-02	1.87E+00	2.19E+00	1.46E+00	3.31E+00	1.06E+00	8.02E+00
27	486073.61	3855086.51	10.3134	1.85159	19.129	14.64379		1.69E+00	1.44E+00	3.71E+00	1.08E+00	7.91E+00	1.66E+00	6.22E-05	4.07E-02	3.15E-02	1.73E+00	2.02E+00	1.44E+00	3.71E+00	1.08E+00	8.24E+00
28	486123.61	3855086.51	9.76788	1.83415	22.066	14.98057		1.60E+00	1.42E+00	4.28E+00	1.10E+00	8.40E+00	1.57E+00	6.16E-05	4.69E-02	3.22E-02	1.65E+00	1.91E+00	1.42E+00	4.28E+00	1.10E+00	8.72E+00
29	486173.61	3855086.51	8.79242	1.80171	26.576	15.48197		1.44E+00	1.40E+00	5.15E+00	1.14E+00	9.13E+00	1.42E+00	6.05E-05	5.65E-02	3.33E-02	1.51E+00	1.72E+00	1.40E+00	5.15E+00	1.14E+00	9.41E+00
30	486223.61	3855086.51	8.01547	1.78038	29.77	15.73482		1.31E+00	1.38E+00	5.77E+00	1.16E+00	9.62E+00	1.29E+00	5.98E-05	6.33E-02	3.39E-02	1.39E+00	1.57E+00	1.38E+00	5.77E+00	1.16E+00	9.88E+00
31	485973.61	3855136.51	13.0492	1.93581	16.548	15.18592		2.13E+00	1.50E+00	3.21E+00	1.12E+00	7.96E+00	2.10E+00	6.50E-05	3.52E-02	3.27E-02	2.17E+00	2.55E+00	1.50E+00	3.21E+00	1.12E+00	8.38E+00
32	486023.61	3855136.51	12.1295	1.91916	16.488	15.2918		1.98E+00	1.49E+00	3.20E+00	1.13E+00	7.80E+00	1.95E+00	6.45E-05	3.51E-02	3.29E-02	2.02E+00	2.37E+00	1.49E+00	3.20E+00	1.13E+00	8.19E+00
33	486073.61	3855136.51	11.3103	1.89378	17.62	15.83027		1.85E+00	1.47E+00	3.42E+00	1.17E+00	7.90E+00	1.82E+00	6.36E-05	3.75E-02	3.41E-02	1.89E+00	2.21E+00	1.47E+00	3.42E+00	1.17E+00	8.26E+00
34	486123.61	3855136.51	10.5788	1.86872	19.865	16.21664		1.73E+00	1.45E+00	3.85E+00	1.19E+00	8.23E+00	1.70E+00	6.28E-05	4.22E-02	3.49E-02	1.78E+00	2.07E+00	1.45E+00	3.85E+00	1.19E+00	8.57E+00
35	486173.61	3855136.51	9.6659	1.83823	23.531	16.57376		1.58E+00	1.43E+00	4.56E+00	1.22E+00	8.79E+00	1.56E+00	6.17E-05	5.00E-02	3.57E-02	1.64E+00	1.89E+00	1.43E+00	4.56E+00	1.22E+00	9.10E+00
36	486223.61	3855136.51	8.69475	1.81064	27.733	16.82381		1.42E+00	1.40E+00	5.38E+00	1.24E+00	9.44E+00	1.40E+00	6.08E-05	5.90E-02	3.62E-02	1.50E+00	1.70E+00	1.40E+00	5.38E+00	1.24E+00	9.72E+00
37	485973.61	3855186.51	14.3809	2.19019	16.848	16.38914		2.35E+00	1.70E+00	3.27E+00	1.21E+00	8.52E+00	2.32E+00	7.36E-05	3.58E-02	3.53E-02	2.39E+00	2.81E+00	1.70E+00	3.27E+00	1.21E+00	8.99E+00
38	486023.61	3855186.51	13.4742	1.96544	16.303	16.57681		2.20E+00	1.52E+00	3.16E+00	1.22E+00	8.11E+00	2.17E+00	6.60E-05	3.47E-02	3.57E-02	2.24E+00	2.64E+00	1.52E+00	3.16E+00	1.22E+00	8.54E+00
39	486073.61	3855186.51	12.3258	1.93124	16.773	16.89898		2.02E+00	1.50E+00	3.25E+00	1.24E+00	8.01E+00	1.99E+00	6.49E-05	3.57E-02	3.64E-02	2.06E+00	2.41E+00	1.50E+00	3.25E+00	1.24E+00	8.41E+00
40	486123.61	3855186.51	11.2634	1.89488	18.365	17.22889		1.84E+00	1.47E+00	3.56E+00	1.27E+00	8.14E+00	1.81E+00	6.37E-05	3.90E-02	3.71E-02	1.89E+00	2.20E+00	1.47E+00	3.56E+00	1.27E+00	8.50E+00
41	486173.61	3855186.51	10.3751	1.86642	21.045	17.29757		1.70E+00	1.45E+00	4.08E+00	1.27E+00	8.50E+00	1.67E+00	6.27E-05	4.47E-02	3.72E-02	1.75E+00	2.03E+00	1.45E+00	4.08E+00	1.27E+00	8.83E+00
42	486223.61	3855186.51	9.47358	1.83752	25.143	17.17826		1.55E+00	1.43E+00	4.88E+00	1.26E+00	9.12E+00	1.53E+00	6.17E-05	5.35E-02	3.70E-02	1.62E+00	1.85E+00	1.43E+00	4.88E+00	1.26E+00	9.42E+00
43	486273.61	3855186.51	8.68093	1.80571	29.111	16.90534		1.42E+00	1.40E+00	5.64E+00	1.24E+00	9.71E+00	1.40E+00	6.07E-05	6.19E-02	3.64E-02	1.50E+00	1.70E+00	1.40E+00	5.64E+00	1.24E+00	9.99E+00
44	486323.61	3855186.51	8.46163	1.8055	31.429	16.38169		1.38E+00	1.40E+00	6.09E+00	1.21E+00	1.01E+01	1.36E+00	6.06E-05	6.68E-02	3.53E-02	1.47E+00	1.66E+00	1.40E+00	6.09E+00	1.21E+00	1.04E+01
45	485973.61	3855236.51	15.8308	2.28428	17.313	17.31295		2.59E+00	1.77E+00	3.36E+00	1.27E+00	8.99E+00	2.55E+00	7.67E-05	3.68E-02	3.73E-02	2.63E+00	3.10E+00	1.77E+00	3.36E+00	1.27E+00	9.50E+00
46	486023.61	3855236.51	14.5206	2.17511	16.74	17.38572		2.37E+00	1.69E+00	3.25E+00	1.28E+00	8.59E+00	2.34E+00	7.31E-05	3.56E-02	3.74E-02	2.41E+00	2.84E+00	1.69E+00	3.25E+00	1.28E+00	9.05E+00
47	486073.61	3855236.51	13.1776	1.96002	16.592	17.54051		2.16E+00	1.52E+00	3.22E+00	1.29E+00	8.18E+00	2.12E+00	6.58E-05	3.53E-02	3.78E-02	2.20E+00	2.58E+00	1.52E+00	3.22E+00	1.29E+00	8.61E+00
48	486123.61	3855236.51	12.2762	1.92983	17.304	17.41579		2.01E+00	1.50E+00	3.36E+00	1.28E+00	8.14E+00	1.98E+00	6.48E-05	3.68E-02	3.75E-02	2.05E+00	2.40E+00	1.50E+00	3.36E+00	1.28E+00	8.54E+00
49	486173.61	3855236.51	11.3344	1.89955	19.147	17.09872		1.85E+00	1.47E+00	3.71E+00	1.26E+00	8.30E+00	1.83E+00	6.38E-05	4.07E-02	3.68E-02	1.90E+00	2.22E+00	1.47E+00	3.71E+00	1.26E+00	8.66E+00
50	486223.61	3855236.51	10.2257	1.8658	22.296	16.81973		1.67E+00	1.45E+00	4.32E+00	1.24E+00	8.68E+00	1.65E+00	6.27E-05	4.74E-02	3.62E-02	1.73E+00	2.00E+00	1.45E+00	4.32E+00	1.24E+00	9.01E+00
51	486273.61	3855236.51	9.09276	1.81818	27.273	16.56711		1.49E+00	1.41E+00	5.29E+00	1.22E+00	9.41E+00	1.47E+00	6.11E-05	5.80E-02	3.57E-02	1.56E+00	1.78E+00	1.41E+00	5.29E+00	1.22E+00	9.70E+00
52	486323.61	3855236.51	9.14556	1.83306	29.675	15.89296		1.50E+00	1.42E+00	5.75E+00	1.17E+00	9.84E+00	1.47E+00	6.16E-05	6.31E-02	3.42E-02	1.57E+00	1.79E+00	1.42E+00	5.75E+00	1.17E+00	1.01E+01
53	485973.61	3855286.51	17.283	2.31371	17.806	17.49947		2.83E+00	1.79E+00	3.45E+00	1.29E+00	9.36E+00	2.78E+00	7.77E-05	3.79E-02	3.77E-02	2.86E+00	3.38E+00	1.79E+00	3.45E+00	1.29E+00	9.92E+00
54	486023.61	3855286.51	15.7946	2.28532	17.304	17.43635		2.58E+00	1.77E+00	3.36E+00	1.28E+00	9.00E+00	2.55E+00	7.68E-05	3.68E-02	3.75E-02	2.62E+00	3.09E+00	1.77E+00	3.36E+00	1.28E+00	9.50E+00
55	486073.61	3855286.51	14.5187	2.14948	16.758	17.17453		2.37E+00	1.67E+00	3.25E+00	1.26E+00	8.56E+00	2.34E+00	7.22E-05	3.56E-02	3.70E-02	2.41E+00	2.84E+00	1.67E+00	3.25E+00	1.26E+00	9.02E+00
56	486123.61	3855286.51	13.2319	1.96097	16.842	16.99434		2.16E+00	1.52E+00	3.27E+00	1.25E+00	8.20E+00	2.13E+00	6.59E-05	3.58E-02	3.66E-02	2.20E+00	2.59E+00	1.52E+00	3.27E+00	1.25E+00	8.63E+00
57	486173.61	3855286.51	12.0876	1.9236	17.984	16.65981		1.98E+00	1.49E+00	3.49E+00	1.23E+00	8.18E+00	1.95E+00	6.46E-05	3.82E-02	3.59E-02	2.02E+00	2.37E+00	1.49E+00	3.49E+00	1.23E+00	8.57E+00

58	486223.61	3855286.51	11.1337	1.89488	20.207	16.16198	1.82E+00	1.47E+00	3.92E+00	1.19E+00	8.40E+00	1.79E+00	6.37E-05	4.30E-02	3.48E-02	1.87E+00	2.18E+00	1.47E+00	3.92E+00	1.19E+00	8.76E+00
59	486123.61	3855336.51	14.6474	2.11507	16.953	16.15018	2.40E+00	1.64E+00	3.29E+00	1.19E+00	8.51E+00	2.36E+00	7.10E-05	3.60E-02	3.48E-02	2.43E+00	2.87E+00	1.64E+00	3.29E+00	1.19E+00	8.98E+00
60	486173.61	3855336.51	13.6225	1.96004	17.196	15.53945	2.23E+00	1.52E+00	3.33E+00	1.14E+00	8.23E+00	2.20E+00	6.58E-05	3.66E-02	3.35E-02	2.27E+00	2.67E+00	1.52E+00	3.33E+00	1.14E+00	8.66E+00
61	486223.61	3855336.51	12.4281	1.92391	18.648	14.88774	2.03E+00	1.49E+00	3.62E+00	1.10E+00	8.24E+00	2.00E+00	6.46E-05	3.96E-02	3.20E-02	2.07E+00	2.43E+00	1.49E+00	3.62E+00	1.10E+00	8.64E+00
62	486123.61	3855386.51	16.167	2.26537	17.4	14.63476	2.64E+00	1.76E+00	3.37E+00	1.08E+00	8.85E+00	2.61E+00	7.61E-05	3.70E-02	3.15E-02	2.67E+00	3.16E+00	1.76E+00	3.37E+00	1.08E+00	9.37E+00
63	486173.61	3855386.51	15.0634	2.23882	16.963	13.88956	2.46E+00	1.74E+00	3.29E+00	1.02E+00	8.51E+00	2.43E+00	7.52E-05	3.61E-02	2.99E-02	2.49E+00	2.95E+00	1.74E+00	3.29E+00	1.02E+00	9.00E+00
64	486223.61	3855386.51	13.9592	2.05366	17.576	13.18068	2.28E+00	1.59E+00	3.41E+00	9.70E-01	8.25E+00	2.25E+00	6.90E-05	3.74E-02	2.84E-02	2.32E+00	2.73E+00	1.59E+00	3.41E+00	9.70E-01	8.70E+00
65	486533.18	3855443.15	10.9077	1.84646	34.032	11.21289	1.78E+00	1.43E+00	6.60E+00	8.26E-01	1.06E+01	1.76E+00	6.20E-05	7.24E-02	2.41E-02	1.85E+00	2.13E+00	1.43E+00	6.60E+00	8.26E-01	1.10E+01
66	486583.18	3855443.15	10.3435	1.83481	35.671	11.09446	1.69E+00	1.42E+00	6.92E+00	8.17E-01	1.08E+01	1.67E+00	6.16E-05	7.58E-02	2.39E-02	1.77E+00	2.02E+00	1.42E+00	6.92E+00	8.17E-01	1.12E+01
67	486633.18	3855443.15	9.90371	1.82151	36.475	10.95174	1.62E+00	1.41E+00	7.07E+00	8.06E-01	1.09E+01	1.60E+00	6.12E-05	7.76E-02	2.36E-02	1.70E+00	1.94E+00	1.41E+00	7.07E+00	8.06E-01	1.12E+01
68	486683.18	3855443.15	9.75045	1.8121	36.342	10.88075	1.59E+00	1.41E+00	7.05E+00	8.01E-01	1.08E+01	1.57E+00	6.09E-05	7.73E-02	2.34E-02	1.67E+00	1.91E+00	1.41E+00	7.05E+00	8.01E-01	1.12E+01
69	486533.18	3855493.15	11.8212	1.85999	32.648	11.15626	1.93E+00	1.44E+00	6.33E+00	8.21E-01	1.05E+01	1.90E+00	6.25E-05	6.94E-02	2.40E-02	2.00E+00	2.31E+00	1.44E+00	6.33E+00	8.21E-01	1.09E+01
70	486583.18	3855493.15	11.3508	1.85102	34.805	11.35784	1.86E+00	1.44E+00	6.75E+00	8.36E-01	1.09E+01	1.83E+00	6.22E-05	7.40E-02	2.45E-02	1.93E+00	2.22E+00	1.44E+00	6.75E+00	8.36E-01	1.12E+01
71	486633.18	3855493.15	10.834	1.83923	36.117	11.57288	1.77E+00	1.43E+00	7.00E+00	8.52E-01	1.11E+01	1.75E+00	6.18E-05	7.68E-02	2.49E-02	1.85E+00	2.12E+00	1.43E+00	7.00E+00	8.52E-01	1.14E+01
72	486683.18	3855493.15	10.4489	1.82486	36.578	11.75833	1.71E+00	1.42E+00	7.09E+00	8.66E-01	1.11E+01	1.68E+00	6.13E-05	7.78E-02	2.53E-02	1.79E+00	2.04E+00	1.42E+00	7.09E+00	8.66E-01	1.14E+01
73	486533.18	3855543.15	13.2569	1.93339	30.713	11.9972	2.17E+00	1.50E+00	5.96E+00	8.83E-01	1.05E+01	2.14E+00	6.49E-05	6.53E-02	2.58E-02	2.23E+00	2.59E+00	1.50E+00	5.96E+00	8.83E-01	1.09E+01
74	486583.18	3855543.15	12.3369	1.85896	33.769	12.21965	2.02E+00	1.44E+00	6.55E+00	9.00E-01	1.09E+01	1.99E+00	6.24E-05	7.18E-02	2.63E-02	2.09E+00	2.41E+00	1.44E+00	6.55E+00	9.00E-01	1.13E+01
75	486633.18	3855543.15	11.8324	1.85004	35.584	12.36075	1.94E+00	1.44E+00	6.90E+00	9.10E-01	1.12E+01	1.91E+00	6.21E-05	7.57E-02	2.66E-02	2.01E+00	2.32E+00	1.44E+00	6.90E+00	9.10E-01	1.16E+01
76	486683.18	3855543.15	10.9942	1.82806	36.768	12.52835	1.80E+00	1.42E+00	7.13E+00	9.22E-01	1.13E+01	1.77E+00	6.14E-05	7.82E-02	2.70E-02	1.88E+00	2.15E+00	1.42E+00	7.13E+00	9.22E-01	1.16E+01
77	486533.18	3855593.15	14.3745	1.95504	28.486	12.83805	2.35E+00	1.52E+00	5.52E+00	9.45E-01	1.03E+01	2.32E+00	6.57E-05	6.06E-02	2.76E-02	2.40E+00	2.81E+00	1.52E+00	5.52E+00	9.45E-01	1.08E+01
78	486583.18	3855593.15	13.5544	1.91963	32.113	12.90527	2.22E+00	1.49E+00	6.23E+00	9.50E-01	1.09E+01	2.18E+00	6.45E-05	6.83E-02	2.78E-02	2.28E+00	2.65E+00	1.49E+00	6.23E+00	9.50E-01	1.13E+01
79	486633.18	3855593.15	12.8787	1.86134	34.677	12.95273	2.11E+00	1.44E+00	6.72E+00	9.54E-01	1.12E+01	2.08E+00	6.25E-05	7.37E-02	2.79E-02	2.18E+00	2.52E+00	1.44E+00	6.72E+00	9.54E-01	1.16E+01
80	486683.18	3855593.15	12.4195	1.85215	36.136	12.94742	2.03E+00	1.44E+00	7.01E+00	9.53E-01	1.14E+01	2.00E+00	6.22E-05	7.68E-02	2.79E-02	2.11E+00	2.43E+00	1.44E+00	7.01E+00	9.53E-01	1.18E+01
81	486533.18	3855643.15	15.7496	2.17363	25.426	13.32408	2.58E+00	1.69E+00	4.93E+00	9.81E-01	1.02E+01	2.54E+00	7.30E-05	5.41E-02	2.87E-02	2.62E+00	3.08E+00	1.69E+00	4.93E+00	9.81E-01	1.07E+01
82	486583.18	3855643.15	14.9199	2.15519	30.05	13.27903	2.44E+00	1.67E+00	5.83E+00	9.78E-01	1.09E+01	2.40E+00	7.24E-05	6.39E-02	2.86E-02	2.50E+00	2.92E+00	1.67E+00	5.83E+00	9.78E-01	1.14E+01
83	486633.18	3855643.15	14.1315	1.91242	33.251	13.16684	2.31E+00	1.48E+00	6.45E+00	9.69E-01	1.12E+01	2.28E+00	6.42E-05	7.07E-02	2.83E-02	2.38E+00	2.77E+00	1.48E+00	6.45E+00	9.69E-01	1.17E+01
84	486683.18	3855643.15	13.4759	1.86605	35.424	12.97185	2.20E+00	1.45E+00	6.87E+00	9.55E-01	1.15E+01	2.17E+00	6.27E-05	7.53E-02	2.79E-02	2.27E+00	2.64E+00	1.45E+00	6.87E+00	9.55E-01	1.19E+01
85	486533.18	3855693.15	17.5244	2.19318	22.306	13.04945	2.87E+00	1.70E+00	4.33E+00	9.61E-01	9.85E+00	2.82E+00	7.37E-05	4.74E-02	2.81E-02	2.90E+00	3.43E+00	1.70E+00	4.33E+00	9.61E-01	1.04E+01
86	486583.18	3855693.15	16.2681	2.16496	27.322	12.8809	2.66E+00	1.68E+00	5.30E+00	9.48E-01	1.06E+01	2.62E+00	7.27E-05	5.81E-02	2.77E-02	2.71E+00	3.18E+00	1.68E+00	5.30E+00	9.48E-01	1.11E+01
87	486633.18	3855693.15	15.0372	1.9097	31.879	12.65076	2.46E+00	1.48E+00	6.18E+00	9.31E-01	1.11E+01	2.42E+00	6.41E-05	6.78E-02	2.72E-02	2.52E+00	2.94E+00	1.48E+00	6.18E+00	9.31E-01	1.15E+01
88	486683.18	3855693.15	14.7112	1.90252	34.337	12.39174	2.41E+00	1.48E+00	6.66E+00	9.12E-01	1.15E+01	2.37E+00	6.39E-05	7.30E-02	2.67E-02	2.47E+00	2.88E+00	1.48E+00	6.66E+00	9.12E-01	1.19E+01
89	486733.18	3855693.15	14.7349	1.902	35.518	12.24484	2.41E+00	1.48E+00	6.89E+00	9.02E-01	1.17E+01	2.37E+00	6.39E-05	7.55E-02	2.64E-02	2.48E+00	2.88E+00	1.48E+00	6.89E+00	9.02E-01	1.21E+01
90	486783.18	3855693.15	15.0346	2.13642	35.562	12.03194	2.46E+00	1.66E+00	6.90E+00	8.86E-01	1.19E+01	2.42E+00	7.18E-05	7.56E-02	2.59E-02	2.52E+00	2.94E+00	1.66E+00	6.90E+00	8.86E-01	1.24E+01
91	486533.18	3855743.15	19.0218	2.21165	20.195	12.79479	3.11E+00	1.72E+00	3.92E+00	9.42E-01	9.68E+00	3.07E+00	7.43E-05	4.29E-02	2.75E-02	3.14E+00	3.72E+00	1.72E+00	3.92E+00	9.42E-01	1.03E+01
92	486583.18	3855743.15	17.4194	2.17421	24.598	12.91834	2.85E+00	1.69E+00	4.77E+00	9.51E-01	1.03E+01	2.81E+00	7.30E-05	5.23E-02	2.78E-02	2.89E+00	3.41E+00	1.69E+00	4.77E+00	9.51E-01	1.08E+01
93	486633.18	3855743.15	16.4594	2.15259	29.697	12.8878	2.69E+00	1.67E+00	5.76E+00	9.49E-01	1.11E+01	2.65E+00	7.23E-05	6.31E-02	2.77E-02	2.74E+00	3.22E+00	1.67E+00	5.76E+00	9.49E-01	1.16E+01
94	486683.18	3855743.15	16.3836	2.15264	32.534	12.7431	2.68E+00	1.67E+00	6.31E+00	9.38E-01	1.16E+01	2.64E+00	7.23E-05	6.92E-02	2.74E-02	2.74E+00	3.21E+00	1.67E+00	6.31E+00	9.38E-01	1.21E+01
95	486733.18	3855743.15	16.0026	2.14259	34.72	12.61597	2.62E+00	1.66E+00	6.73E+00	9.29E-01	1.19E+01	2.58E+00	7.20E-05	7.38E-02	2.72E-02	2.68E+00	3.13E+00	1.66E+00	6.73E+00	9.29E-01	1.25E+01
96	486783.18	3855743.15	16.3723	2.1791	35.115	12.27519	2.68E+00	1.69E+00	6.81E+00	9.04E-01	1.21E+01	2.64E+00	7.32E-05	7.47E-02	2.64E-02	2.74E+00	3.20E+00	1.69E+00	6.81E+00	9.04E-01	1.26E+01
97	486533.18	3855793.15	20.4605	2.65253	18.727	13.03737	3.35E+00	2.06E+00	3.63E+00	9.60E-01	1.00E+01	3.30E+00	8.91E-05	3.98E-02	2.81E-02	3.36E+00	4.00E+00	2.06E+00	3.63E+00	9.60E-01	1.07E+01
98	486583.18	3855793.15	18.2284	2.18464	22.427	13.24062	2.98E+00	1.69E+00	4.35E+00	9.75E-01	1.00E+01	2.94E+00	7.34E-05	4.77E-02	2.85E-02	3.01E+00	3.57E+00	1.69E+00	4.35E+00	9.75E-01	1.06E+01
99	486633.18	3855793.15	18.1201	2.18817	26.134	12.99195	2.96E+00	1.70E+00	5.07E+00	9.57E-01	1.07E+01	2.92E+00	7.35E-05	5.56E-02	2.80E-02	3.00E+00	3.55E+00	1.70E+00	5.07E+00	9.57E-01	1.13E+01
100	486683.18	3855793.15	18.068	2.19878	30.009	12.78036	2.96E+00	1.71E+00	5.82E+00	9.41E-01	1.14E+01	2.91E+00	7.39E-05	6.38E-02	2.75E-02	3.00E+00	3.54E+00	1.71E+00	5.82E+00	9.41E-01	1.20E+01
101	486733.18	3855793.15	17.8036	2.20507	32.835	12.58826	2.91E+00	1.71E+00	6.37E+00	9.27E-01	1.19E+01	2.87E+00	7.41E-05	6.98E-02	2.71E-02	2.97E+00	3.48E+00	1.71E+00	6.37E+00	9.27E-01	1.25E+01
102	486783.18	3855793.15	17.6523	2.2208	34.41	12.34311	2.89E+00	1.72E+00	6.67E+00	9.09E-01	1.22E+01	2.84E+00	7.46E-05	7.32E-02	2.66E-02	2.94E+00	3.45E+00	1.72E+00	6.67E+00	9.09E-01	1.28E+01
103	486533.18	3855843.15	21.3729	2.67023	18.208	13.61392	3.50E+00	2.07E+00	3.53E+00	1.00E+00	1.01E+01	3.44E+00	8.97E-05	3.87E-02	2.93E-02	3.51E+00	4.18E+00	2.07E+00	3.53E+00	1.00E+00	1.08E+01
104	486583.18	3855843.15	19.6475	2.22158	20.526	13.63194	3.21E+00	1.72E+00	3.98E+00	1.00E+00	9.92E+00	3.17E+00	7.46E-05	4.36E-02	2.93E-02	3.24E+00	3.84E+00	1.72E+00	3.98E+00	1.00E+00	1.06E+01
105	486633.18	3855843.15	19.5452	2.23323	23.026	13.29965	3.20E+00	1.73E+00	4.46E+00	9.79E-01	1.04E+01	3.15E+00	7.50E-05	4.90E-02	2.86E-02	3.23E+00	3.82E+00	1.73E+00	4.46E+00	9.79E-01	1.10E+01
106	486683.18	3855843.15	19.4385	2.24513	26.885	12.92168	3.18E+00	1.74E+00	5.21E+00	9.51E-01	1.11E+01	3.13E+00	7.54E-05	5.72E-02	2.78E-02	3.22E+00	3.80E+00	1.74E+00	5.21E+00	9.51E-01	1.17E+01
107	486733.18	3855843.15	19.3067	2.62588	30.52	12.54785	3.16E+00	2.04E+00	5.92E+00	9.24E-01	1.20E+01	3.11E+00	8.82E-05	6.49E-02	2.70E-02	3.20E+00	3.78E+00	2.04E+00	5.92E+00	9.24E-01	1.27E+01
108	486783.18	3855843.15	19.0755	2.6112	32.99	12.26525	3.12E+00	2.03E+00	6.40E+00	9.03E-01	1.24E+01	3.07E+00	8.77E-05	7.01E-02	2.64E-02	3.17E+00	3.73E+00	2.03E+00	6.40E+00	9.03E-01	1.31E+01
109	486533.18	3855893.15	21.6329	2.6799	18.769	13.98848	3.54E+00	2.08E+00	3.64E+00	1.03E+00	1.03E+01	3.49E+00	9.00E-05	3.99E-02	3.01E-02	3.56E+00	4.23E+00	2.08E+00	3.64E+00	1.03E+00	1.10E+01
110	486583.18	3855893.15	21.2649	2.6807	19.126	13.67367	3.48E+00	2.08E+00	3.71E+00	1.01E+00	1.03E+01	3.43E+00	9.00E-05	4.07E-02	2.94E-02	3.50E+00	4.16E+00	2.08E+00	3.71E+00	1.01E+00	1.10E+01
111	486633.18	3855893.15	20.9302	2.68093	20.85	13.35437	3.42E+00	2.08E+00	4.04E+00	9.83E-01	1.05E+01	3.37E+00	9.01E-05	4.43E-02	2.87E-02	3.45E+00	4.10E+00	2.08E+00	4.04E+00	9.83E-01	1.12E+01
112	486683.18	3855893.15	20.7983	2.6821	23.878	13.00544	3.40E+00	2.08E+00	4.63E+00	9.58E-01	1.11E+01	3.35E+00	9.01E-05	5.08E-02	2.80E-02	3.43E+00	4.07E+00	2.08E+00	4.63E+00	9.58E-01	1.17E+01
113	486733.18	3855893.15	20.6381	2.68029	27.577	12.8153	3.38E+00	2.08E+00	5.35E+00	9.44E-01	1.17E+01	3.33E+00	9.00E-05	5.86E-02	2.76E-02	3.41E+00	4.04E+00	2.08E+00	5.35E+00	9.44E-01	1.24E+01
114	486783.18	3855893.15	20.5806	2.67766	30.678	12.58555	3.37E+00	2.08E+00	5.95E+00	9.27E-01	1.23E+01	3.32E+00	8.99E-05	6.52E-02	2.71E-02	3.41E+00	4.03E+00	2.08E+00	5.95E+00	9.27E-01	1.30E+01
115	486533.18	3855943.15	22.9987	2.71969	19.122	14.38575	3.76E+00	2.11E+00	3.71E+00	1.06E+00	1.06E+01	3.71E+00	9.14E-05	4.07E-02	3.10E-02	3.78E+00	4.50E+00	2.11E+00	3.71E+00	1.06E+00	1.14E+01
116	486583.18	3855943.15	23.0216	2.72893	18.43	14.02605	3.77E+00	2.12E+00	3.57E+00	1.03E+00	1.05E+01	3.71E+00	9.17E-05	3.92E-02	3.02E-02	3.78E+00	4.50E+00	2.12E+00	3.57E+00	1.03E+00	1.12E+01
117	486633.18	3855943.15	22.4152	2.72588	19.35	13.82353	3.67E+00	2.11E+00	3.75E+00	1.02E+00	1.06E+01	3.61E+00	9.16E-05	4.11E-02	2.98E-02	3.68E+00	4.39E+00	2.11E+00	3.75E+00	1.02E+00	1.13E+01
118	486683.18	3855943.15	22.3131	2.73938	21.078	13.50038	3.65E+00	2.12E+00	4.09E+00	9.94E-01	1.09E+01	3.60E+00	9.20E-05	4.48E-02	2.91E-02	3.67E+00	4.37E+00	2.13E+00	4.09E+00	9.94E-01	1.16E+01

119	486733.18	3855943.15	21.9486	2.73832	24.67	13.25729	3.59E+00	2.12E+00	4.78E+00	9.76E-01	1.15E+01	3.54E+00	9.20E-05	5.25E-02	2.85E-02	3.62E+00	4.29E+00	2.12E+00	4.78E+00	9.76E-01	1.22E+01
120	486783.18	3855943.15	21.9372	2.74151	27.85	12.92174	3.59E+00	2.13E+00	5.40E+00	9.51E-01	1.21E+01	3.53E+00	9.21E-05	5.92E-02	2.78E-02	3.62E+00	4.29E+00	2.13E+00	5.40E+00	9.51E-01	1.28E+01
121	486533.18	3855993.15	24.7291	2.7858	19.654	14.33017	4.04E+00	2.16E+00	3.81E+00	1.06E+00	1.11E+01	3.98E+00	9.36E-05	4.18E-02	3.08E-02	4.06E+00	4.84E+00	2.16E+00	3.81E+00	1.06E+00	1.19E+01
122	486583.18	3855993.15	24.4	2.77043	18.557	13.97402	3.99E+00	2.15E+00	3.60E+00	1.03E+00	1.08E+01	3.93E+00	9.31E-05	3.95E-02	3.01E-02	4.00E+00	4.77E+00	2.15E+00	3.60E+00	1.03E+00	1.16E+01
123	486633.18	3855993.15	23.9655	2.7721	18.46	13.64656	3.92E+00	2.15E+00	3.58E+00	1.00E+00	1.07E+01	3.86E+00	9.31E-05	3.92E-02	2.94E-02	3.93E+00	4.69E+00	2.15E+00	3.58E+00	1.00E+00	1.14E+01
124	486683.18	3855993.15	23.7483	2.78477	19.415	13.27233	3.88E+00	2.16E+00	3.76E+00	9.77E-01	1.08E+01	3.83E+00	9.35E-05	4.13E-02	2.86E-02	3.90E+00	4.65E+00	2.16E+00	3.76E+00	9.77E-01	1.15E+01
125	486733.18	3855993.15	23.3321	2.79475	21.86	12.96113	3.82E+00	2.17E+00	4.24E+00	9.54E-01	1.12E+01	3.76E+00	9.39E-05	4.65E-02	2.79E-02	3.83E+00	4.57E+00	2.17E+00	4.24E+00	9.54E-01	1.19E+01
126	486783.18	3855993.15	23.1319	2.80143	25.229	12.62338	3.78E+00	2.17E+00	4.89E+00	9.29E-01	1.18E+01	3.73E+00	9.41E-05	5.36E-02	2.72E-02	3.81E+00	4.53E+00	2.17E+00	4.89E+00	9.29E-01	1.25E+01
127	486533.18	3856043.15	26.2723	2.84754	20.493	13.50455	4.30E+00	2.21E+00	3.97E+00	9.94E-01	1.15E+01	4.23E+00	9.57E-05	4.36E-02	2.91E-02	4.31E+00	5.14E+00	2.21E+00	3.97E+00	9.94E-01	1.23E+01
128	486583.18	3856043.15	26.0558	2.83822	18.837	13.10299	4.26E+00	2.20E+00	3.65E+00	9.65E-01	1.11E+01	4.20E+00	9.53E-05	4.01E-02	2.82E-02	4.27E+00	5.10E+00	2.20E+00	3.65E+00	9.65E-01	1.19E+01
129	486633.18	3856043.15	25.488	2.81842	18.251	12.79639	4.17E+00	2.19E+00	3.54E+00	9.42E-01	1.08E+01	4.11E+00	9.47E-05	3.88E-02	2.75E-02	4.17E+00	4.99E+00	2.19E+00	3.54E+00	9.42E-01	1.17E+01
130	486683.18	3856043.15	25.2612	2.83268	18.296	12.40831	4.13E+00	2.20E+00	3.55E+00	9.14E-01	1.08E+01	4.07E+00	9.52E-05	3.89E-02	2.67E-02	4.14E+00	4.94E+00	2.20E+00	3.55E+00	9.14E-01	1.16E+01
131	486733.18	3856043.15	24.721	2.84039	19.793	12.12053	4.04E+00	2.20E+00	3.84E+00	8.92E-01	1.10E+01	3.98E+00	9.54E-05	4.21E-02	2.61E-02	4.05E+00	4.84E+00	2.20E+00	3.84E+00	8.92E-01	1.18E+01
132	486783.18	3856043.15	24.5851	2.86508	22.425	11.74369	4.02E+00	2.22E+00	4.35E+00	8.65E-01	1.15E+01	3.96E+00	9.62E-05	4.77E-02	2.53E-02	4.03E+00	4.81E+00	2.22E+00	4.35E+00	8.65E-01	1.22E+01
133	486533.18	3856093.15	28.046	2.91782	21.17	12.13001	4.59E+00	2.26E+00	4.10E+00	8.93E-01	1.18E+01	4.52E+00	9.80E-05	4.50E-02	2.61E-02	4.59E+00	5.49E+00	2.26E+00	4.10E+00	8.93E-01	1.27E+01
134	486583.18	3856093.15	27.5663	2.90123	19.625	11.82227	4.51E+00	2.25E+00	3.81E+00	8.70E-01	1.14E+01	4.44E+00	9.75E-05	4.17E-02	2.55E-02	4.51E+00	5.39E+00	2.25E+00	3.81E+00	8.70E-01	1.23E+01
135	486633.18	3856093.15	27.0408	2.88108	18.315	11.53683	4.42E+00	2.23E+00	3.55E+00	8.49E-01	1.11E+01	4.36E+00	9.68E-05	3.89E-02	2.48E-02	4.42E+00	5.29E+00	2.23E+00	3.55E+00	8.49E-01	1.19E+01
136	486683.18	3856093.15	26.6835	2.87784	17.838	11.22142	4.36E+00	2.23E+00	3.46E+00	8.26E-01	1.09E+01	4.30E+00	9.67E-05	3.79E-02	2.42E-02	4.36E+00	5.22E+00	2.23E+00	3.46E+00	8.26E-01	1.17E+01
137	486733.18	3856093.15	26.1738	2.88855	18.463	10.9738	4.28E+00	2.24E+00	3.58E+00	8.08E-01	1.09E+01	4.22E+00	9.70E-05	3.93E-02	2.36E-02	4.28E+00	5.12E+00	2.24E+00	3.58E+00	8.08E-01	1.18E+01
138	486783.18	3856093.15	25.8449	2.91011	20.085	10.69377	4.23E+00	2.26E+00	3.89E+00	7.87E-01	1.12E+01	4.16E+00	9.78E-05	4.27E-02	2.30E-02	4.23E+00	5.06E+00	2.26E+00	3.89E+00	7.87E-01	1.20E+01
139	486533.18	3856143.15	29.4602	2.97052	21.427	11.03443	4.82E+00	2.30E+00	4.15E+00	8.12E-01	1.21E+01	4.75E+00	9.98E-05	4.56E-02	2.38E-02	4.82E+00	5.76E+00	2.30E+00	4.15E+00	8.12E-01	1.30E+01
140	486583.18	3856143.15	28.8772	2.95716	20.77	10.8564	4.72E+00	2.29E+00	4.03E+00	7.99E-01	1.18E+01	4.65E+00	9.93E-05	4.42E-02	2.34E-02	4.72E+00	5.65E+00	2.29E+00	4.03E+00	7.99E-01	1.28E+01
141	486633.18	3856143.15	28.5313	2.94538	19.035	10.62029	4.67E+00	2.28E+00	3.69E+00	7.82E-01	1.14E+01	4.60E+00	9.89E-05	4.05E-02	2.29E-02	4.66E+00	5.58E+00	2.28E+00	3.69E+00	7.82E-01	1.23E+01
142	486683.18	3856143.15	28.0623	2.93117	17.887	10.40231	4.59E+00	2.27E+00	3.47E+00	7.66E-01	1.11E+01	4.52E+00	9.85E-05	3.80E-02	2.24E-02	4.58E+00	5.49E+00	2.27E+00	3.47E+00	7.66E-01	1.20E+01
143	486733.18	3856143.15	27.575	2.93347	17.735	10.18352	4.51E+00	2.28E+00	3.44E+00	7.50E-01	1.10E+01	4.44E+00	9.85E-05	3.77E-02	2.19E-02	4.50E+00	5.40E+00	2.28E+00	3.44E+00	7.50E-01	1.19E+01
144	486783.18	3856143.15	27.3442	2.96238	18.36	9.89725	4.47E+00	2.30E+00	3.56E+00	7.29E-01	1.11E+01	4.41E+00	9.95E-05	3.90E-02	2.13E-02	4.47E+00	5.35E+00	2.30E+00	3.56E+00	7.29E-01	1.19E+01
145	486533.18	3856193.15	30.9173	3.02128	20.899	11.03083	5.06E+00	2.34E+00	4.05E+00	8.12E-01	1.23E+01	4.98E+00	1.01E-04	4.44E-02	2.37E-02	5.05E+00	6.05E+00	2.34E+00	4.05E+00	8.12E-01	1.33E+01
146	486583.18	3856193.15	30.1832	3.00846	21.185	10.87009	4.94E+00	2.33E+00	4.11E+00	8.00E-01	1.22E+01	4.86E+00	1.01E-04	4.50E-02	2.34E-02	4.93E+00	5.91E+00	2.33E+00	4.11E+00	8.00E-01	1.31E+01
147	486633.18	3856193.15	29.7846	3.00674	20.094	10.61984	4.87E+00	2.33E+00	3.90E+00	7.82E-01	1.19E+01	4.80E+00	1.01E-04	4.27E-02	2.29E-02	4.86E+00	5.83E+00	2.33E+00	3.90E+00	7.82E-01	1.28E+01
148	486683.18	3856193.15	29.4815	3.00297	18.201	10.327	4.82E+00	2.33E+00	3.53E+00	7.60E-01	1.14E+01	4.75E+00	1.01E-04	3.87E-02	2.22E-02	4.81E+00	5.77E+00	2.33E+00	3.53E+00	7.60E-01	1.24E+01
149	486733.18	3856193.15	28.9308	2.98798	17.466	10.10823	4.73E+00	2.32E+00	3.39E+00	7.44E-01	1.12E+01	4.66E+00	1.00E-04	3.71E-02	2.18E-02	4.72E+00	5.66E+00	2.32E+00	3.39E+00	7.44E-01	1.21E+01
150	486783.18	3856193.15	28.6602	3.00882	17.396	9.82175	4.69E+00	2.33E+00	3.37E+00	7.23E-01	1.11E+01	4.62E+00	1.01E-04	3.70E-02	2.11E-02	4.68E+00	5.61E+00	2.33E+00	3.37E+00	7.23E-01	1.20E+01
151	486533.18	3856243.15	32.2126	3.06319	19.98	11.10705	5.27E+00	2.38E+00	3.87E+00	8.18E-01	1.23E+01	5.19E+00	1.03E-04	4.25E-02	2.39E-02	5.26E+00	6.30E+00	2.38E+00	3.87E+00	8.18E-01	1.34E+01
152	486583.18	3856243.15	31.6371	3.06117	20.742	10.8769	5.17E+00	2.37E+00	4.02E+00	8.01E-01	1.24E+01	5.10E+00	1.03E-04	4.41E-02	2.34E-02	5.17E+00	6.19E+00	2.37E+00	4.02E+00	8.01E-01	1.34E+01
153	486633.18	3856243.15	31.0944	3.05823	20.567	10.63741	5.09E+00	2.37E+00	3.99E+00	7.83E-01	1.22E+01	5.01E+00	1.03E-04	4.37E-02	2.29E-02	5.08E+00	6.08E+00	2.37E+00	3.99E+00	7.83E-01	1.32E+01
154	486683.18	3856243.15	30.6403	3.06078	19.344	10.38069	5.01E+00	2.37E+00	3.75E+00	7.64E-01	1.19E+01	4.94E+00	1.03E-04	4.11E-02	2.23E-02	5.00E+00	6.00E+00	2.37E+00	3.75E+00	7.64E-01	1.29E+01
155	486733.18	3856243.15	30.2279	3.05785	17.524	10.13942	4.94E+00	2.37E+00	3.40E+00	7.47E-01	1.15E+01	4.87E+00	1.03E-04	3.73E-02	2.18E-02	4.93E+00	5.91E+00	2.37E+00	3.40E+00	7.47E-01	1.24E+01
156	486783.18	3856243.15	29.7108	3.05574	17.024	9.93189	4.86E+00	2.37E+00	3.30E+00	7.31E-01	1.13E+01	4.79E+00	1.03E-04	3.62E-02	2.14E-02	4.85E+00	5.81E+00	2.37E+00	3.30E+00	7.31E-01	1.22E+01
157	486533.18	3856293.15	33.5599	3.11272	18.598	11.4325	5.49E+00	2.41E+00	3.61E+00	8.42E-01	1.24E+01	5.41E+00	1.05E-04	3.95E-02	2.46E-02	5.47E+00	6.57E+00	2.41E+00	3.61E+00	8.42E-01	1.34E+01
158	486583.18	3856293.15	32.9172	3.10643	19.913	11.25288	5.38E+00	2.41E+00	3.86E+00	8.28E-01	1.25E+01	5.30E+00	1.04E-04	4.23E-02	2.42E-02	5.37E+00	6.44E+00	2.41E+00	3.86E+00	8.28E-01	1.35E+01
159	486633.18	3856293.15	32.3805	3.10426	20.431	11.02618	5.30E+00	2.41E+00	3.96E+00	8.12E-01	1.25E+01	5.22E+00	1.04E-04	4.34E-02	2.37E-02	5.28E+00	6.34E+00	2.41E+00	3.96E+00	8.12E-01	1.35E+01
160	486683.18	3856293.15	31.8546	3.10719	19.998	10.78278	5.21E+00	2.41E+00	3.88E+00	7.94E-01	1.23E+01	5.13E+00	1.04E-04	4.25E-02	2.32E-02	5.20E+00	6.23E+00	2.41E+00	3.88E+00	7.94E-01	1.33E+01
161	486733.18	3856293.15	31.4359	3.12254	18.517	10.48024	5.14E+00	2.42E+00	3.59E+00	7.72E-01	1.19E+01	5.07E+00	1.05E-04	3.94E-02	2.26E-02	5.13E+00	6.15E+00	2.42E+00	3.59E+00	7.72E-01	1.29E+01
162	486783.18	3856293.15	30.8573	3.11623	16.916	10.29219	5.05E+00	2.42E+00	3.28E+00	7.58E-01	1.15E+01	4.97E+00	1.05E-04	3.60E-02	2.22E-02	5.03E+00	6.04E+00	2.42E+00	3.28E+00	7.58E-01	1.25E+01
163	486783.18	3856343.15	32.0973	3.18635	17.768	10.85504	5.25E+00	2.47E+00	3.45E+00	7.99E-01	1.20E+01	5.17E+00	1.07E-04	3.78E-02	2.34E-02	5.23E+00	6.28E+00	2.47E+00	3.45E+00	7.99E-01	1.30E+01
164	486833.18	3856343.15	31.501	3.19285	16.367	10.62837	5.15E+00	2.48E+00	3.17E+00	7.83E-01	1.16E+01	5.08E+00	1.07E-04	3.48E-02	2.29E-02	5.13E+00	6.16E+00	2.48E+00	3.17E+00	7.83E-01	1.26E+01
165	486883.18	3856343.15	30.9075	3.21294	16.537	10.38881	5.06E+00	2.49E+00	3.21E+00	7.65E-01	1.15E+01	4.98E+00	1.08E-04	3.52E-02	2.24E-02	5.04E+00	6.05E+00	2.49E+00	3.21E+00	7.65E-01	1.25E+01
166	486783.18	3856393.15	33.2508	3.22206	18.732	11.26956	5.44E+00	2.50E+00	3.63E+00	8.30E-01	1.24E+01	5.36E+00	1.08E-04	3.98E-02	2.43E-02	5.42E+00	6.51E+00	2.50E+00	3.63E+00	8.30E-01	1.35E+01
167	486833.18	3856393.15	32.5431	3.24123	17.247	11.02211	5.32E+00	2.51E+00	3.34E+00	8.11E-01	1.20E+01	5.24E+00	1.09E-04	3.67E-02	2.37E-02	5.30E+00	6.37E+00	2.51E+00	3.34E+00	8.11E-01	1.30E+01
168	486883.18	3856393.15	31.861	3.24929	16.277	10.83995	5.21E+00	2.52E+00	3.16E+00	7.98E-01	1.17E+01	5.13E+00	1.09E-04	3.46E-02	2.33E-02	5.19E+00	6.23E+00	2.52E+00	3.16E+00	7.98E-01	1.27E+01
169	487208.74	3856886.11	38.0719	4.32421	18.809	7.13853	6.23E+00	3.35E+00	3.65E+00	5.26E-01	1.38E+01	6.13E+00	1.45E-04	4.00E-02	1.54E-02	6.19E+00	7.45E+00	3.35E+00	3.65E+00	5.26E-01	1.50E+01
170	487258.74	3856886.11	36.8477	4.53558	19.685	7.10648	6.03E+00	3.52E+00	3.82E+00	5.23E-01	1.39E+01	5.94E+00	1.52E-04	4.19E-02	1.53E-02	5.99E+00	7.21E+00	3.52E+00	3.82E+00	5.23E-01	1.51E+01
171	487308.74	3856886.11	35.7079	4.62424	21.16	7.09318	5.84E+00	3.59E+00	4.10E+00	5.22E-01	1.41E+01	5.75E+00	1.55E-04	4.50E-02	1.53E-02	5.81E+00	6.99E+00	3.59E+00	4.10E+00	5.22E-01	1.52E+01
172	487358.74	3856886.11	34.6968	4.66417	22.549	7.07972	5.68E+00	3.62E+00	4.37E+00	5.21E-01	1.42E+01	5.59E+00	1.57E-04	4.79E-02	1.52E-02	5.65E+00	6.79E+00	3.62E+00	4.37E+00	5.21E-01	1.53E+01
173	487208.74	3856936.11	39.4086	4.28741	19.633	6.98766	6.45E+00	3.33E+00	3.81E+00	5.14E-01	1.41E+01	6.35E+00	1.44E-04	4.17E-02	1.50E-02	6.41E+00	7.71E+00	3.33E+00	3.81E+00	5.14E-01	1.54E+01
174	487258.74	3856936.11	38.0724	4.54996	19.384	6.90976	6.23E+00	3.53E+00	3.76E+00	5.09E-01	1.40E+01	6.13E+00	1.53E-04	4.12E-02	1.49E-02	6.19E+00	7.45E+00	3.53E+00	3.76E+00	5.09E-01	1.52E+01
175	487308.74	3856936.11	36.7972	4.72099	20.868	6.77244	6.02E+00	3.66E+00	4.05E+00	4.99E-01	1.42E+01	5.93E+00	1.59E-04	4.44E-02	1.46E-02	5.99E+00	7.20E+00	3.66E+00	4.05E+00	4.99E-01	1.54E+01
176	487358.74	3856936.11	35.6329	4.7867	22.551	6.63113	5.83E+00	3.71E+00	4.37E+00	4.88E-01	1.44E+01	5.74E+00	1.61E-04	4.79E-02	1.43E-02	5.80E+00	6.97E+00	3.71E+00	4.37E+00	4.88E-01	1.55E+01
177	487208.74	3856986.11	42.0477	4.1915	20.331	6.65341	6.88E+00	3.25E+00	3.94E+00	4.90E-01	1.46E+01	6.78E+00	1.41E-04	4.32E-02	1.43E-02	6.83E+00	8.23E+00	3.25E+00	3.94E+00	4.90E-01	1.59E+01
178	487258.74	3856986.11	39.3334	4.5377	20.224	6.60829	6.43E+00	3.52E+00	3.92E+00	4.87E-01	1.44E+01	6.34E+00	1.52E-04	4.30E-02	1.42E-02	6.40E+00	7.70E+00	3.52E+00	3.92E+00	4.87E-01	1.56E+01
179	487308.74	3856986.11	37.8428	4.77379	20.349	6.56647	6.19E+00	3.70E+00	3.95E+00	4.83E-01	1.43E+01	6.10E+00	1.60E-04	4.33E-02	1.41E-02	6.16E+00	7.41E+00	3.70E+00	3.95E+00	4.83E-01	1.55E+01

180	487358.74	3856986.11	36.5699	4.89432	22.356	6.44441	5.98E+00	3.80E+00	4.33E+00	4.74E-01	1.46E+01	5.89E+00	1.64E-04	4.75E-02	1.39E-02	5.95E+00	7.16E+00	3.80E+00	4.33E+00	4.74E-01	1.58E+01
181	487208.74	3857036.11	46.037	4.00396	20.804	6.39525	7.53E+00	3.11E+00	4.03E+00	4.71E-01	1.51E+01	7.42E+00	1.34E-04	4.42E-02	1.38E-02	7.48E+00	9.01E+00	3.11E+00	4.03E+00	4.71E-01	1.66E+01
182	487258.74	3857036.11	42.2216	4.43734	21.007	6.35888	6.91E+00	3.44E+00	4.07E+00	4.68E-01	1.49E+01	6.80E+00	1.49E-04	4.47E-02	1.37E-02	6.86E+00	8.26E+00	3.44E+00	4.07E+00	4.68E-01	1.62E+01
183	487308.74	3857036.11	39.339	4.79338	20.861	6.26736	6.43E+00	3.72E+00	4.05E+00	4.61E-01	1.47E+01	6.34E+00	1.61E-04	4.44E-02	1.35E-02	6.40E+00	7.70E+00	3.72E+00	4.05E+00	4.61E-01	1.59E+01
184	487358.74	3857036.11	37.4876	4.9707	21.904	6.17065	6.13E+00	3.86E+00	4.25E+00	4.54E-01	1.47E+01	6.04E+00	1.67E-04	4.66E-02	1.33E-02	6.10E+00	7.34E+00	3.86E+00	4.25E+00	4.54E-01	1.59E+01
185	487427.14	3856878.23	33.2094	4.71336	24.762	7.05358	5.43E+00	3.66E+00	4.80E+00	5.19E-01	1.44E+01	5.35E+00	1.58E-04	5.26E-02	1.52E-02	5.42E+00	6.50E+00	3.66E+00	4.80E+00	5.19E-01	1.55E+01
186	487477.14	3856878.23	32.3251	4.7807	26.241	6.95974	5.29E+00	3.71E+00	5.09E+00	5.12E-01	1.46E+01	5.21E+00	1.61E-04	5.58E-02	1.50E-02	5.28E+00	6.33E+00	3.71E+00	5.09E+00	5.12E-01	1.56E+01
187	487527.14	3856878.23	31.5428	4.8171	27.406	6.87174	5.16E+00	3.74E+00	5.31E+00	5.06E-01	1.47E+01	5.08E+00	1.62E-04	5.83E-02	1.48E-02	5.16E+00	6.17E+00	3.74E+00	5.31E+00	5.06E-01	1.57E+01
188	487427.14	3856928.23	34.0356	4.84186	24.528	6.43744	5.57E+00	3.76E+00	4.76E+00	4.74E-01	1.46E+01	5.48E+00	1.63E-04	5.22E-02	1.39E-02	5.55E+00	6.66E+00	3.76E+00	4.76E+00	4.74E-01	1.56E+01
189	487477.14	3856928.23	33.1408	4.85936	26.256	6.39063	5.42E+00	3.77E+00	5.09E+00	4.71E-01	1.48E+01	5.34E+00	1.63E-04	5.58E-02	1.38E-02	5.41E+00	6.48E+00	3.77E+00	5.09E+00	4.71E-01	1.58E+01
190	487527.14	3856928.23	32.2792	4.91031	27.674	6.31895	5.28E+00	3.81E+00	5.37E+00	4.65E-01	1.49E+01	5.20E+00	1.65E-04	5.88E-02	1.36E-02	5.27E+00	6.32E+00	3.81E+00	5.37E+00	4.65E-01	1.60E+01
191	487577.14	3856928.23	31.4866	4.97864	29.186	6.36907	5.15E+00	3.86E+00	5.66E+00	4.69E-01	1.51E+01	5.07E+00	1.67E-04	6.21E-02	1.37E-02	5.15E+00	6.16E+00	3.86E+00	5.66E+00	4.69E-01	1.62E+01
192	487627.14	3856928.23	30.7865	5.03879	32.494	6.40183	5.04E+00	3.91E+00	6.30E+00	4.71E-01	1.57E+01	4.96E+00	1.69E-04	6.91E-02	1.38E-02	5.04E+00	6.02E+00	3.91E+00	6.30E+00	4.71E-01	1.67E+01
193	487677.14	3856928.23	30.0664	5.10459	35.093	6.30703	4.92E+00	3.96E+00	6.80E+00	4.64E-01	1.61E+01	4.84E+00	1.71E-04	7.46E-02	1.36E-02	4.93E+00	5.88E+00	3.96E+00	6.80E+00	4.64E-01	1.71E+01
194	487727.14	3856928.23	29.3812	5.14796	35.638	6.118	4.81E+00	3.99E+00	6.91E+00	4.50E-01	1.62E+01	4.73E+00	1.73E-04	7.58E-02	1.32E-02	4.82E+00	5.75E+00	3.99E+00	6.91E+00	4.50E-01	1.71E+01
195	487777.14	3856928.23	28.7741	5.14025	37.184	5.88645	4.71E+00	3.99E+00	7.21E+00	4.33E-01	1.63E+01	4.64E+00	1.73E-04	7.91E-02	1.27E-02	4.73E+00	5.63E+00	3.99E+00	7.21E+00	4.33E-01	1.73E+01
196	487427.14	3856978.23	34.9356	4.93138	24.514	6.3089	5.71E+00	3.83E+00	4.75E+00	4.64E-01	1.48E+01	5.63E+00	1.66E-04	5.21E-02	1.36E-02	5.70E+00	6.84E+00	3.83E+00	4.75E+00	4.64E-01	1.59E+01
197	487477.14	3856978.23	33.9243	4.95163	26.185	6.16208	5.55E+00	3.84E+00	5.08E+00	4.54E-01	1.49E+01	5.47E+00	1.66E-04	5.57E-02	1.33E-02	5.54E+00	6.64E+00	3.84E+00	5.08E+00	4.54E-01	1.60E+01
198	487527.14	3856978.23	33.0066	5.00327	27.744	5.96706	5.40E+00	3.88E+00	5.38E+00	4.39E-01	1.51E+01	5.32E+00	1.68E-04	5.90E-02	1.28E-02	5.39E+00	6.46E+00	3.88E+00	5.38E+00	4.39E-01	1.62E+01
199	487577.14	3856978.23	32.1672	5.05021	29.017	5.92685	5.26E+00	3.92E+00	5.63E+00	4.36E-01	1.52E+01	5.18E+00	1.70E-04	6.17E-02	1.28E-02	5.26E+00	6.29E+00	3.92E+00	5.63E+00	4.36E-01	1.63E+01
200	487627.14	3856978.23	31.4281	5.114	31.779	5.93625	5.14E+00	3.97E+00	6.16E+00	4.37E-01	1.57E+01	5.06E+00	1.72E-04	6.76E-02	1.28E-02	5.14E+00	6.15E+00	3.97E+00	6.16E+00	4.37E-01	1.67E+01
201	487677.14	3856978.23	30.6631	5.18351	34.78	5.82096	5.02E+00	4.02E+00	6.74E+00	4.29E-01	1.62E+01	4.94E+00	1.74E-04	7.39E-02	1.25E-02	5.03E+00	6.00E+00	4.02E+00	6.74E+00	4.29E-01	1.72E+01
202	487727.14	3856978.23	30.0807	5.15496	36.424	5.71614	4.92E+00	4.00E+00	7.06E+00	4.21E-01	1.64E+01	4.85E+00	1.73E-04	7.74E-02	1.23E-02	4.94E+00	5.89E+00	4.00E+00	7.06E+00	4.21E-01	1.74E+01
203	487777.14	3856978.23	29.2708	5.28503	37.563	5.40649	4.79E+00	4.10E+00	7.28E+00	3.98E-01	1.66E+01	4.72E+00	1.78E-04	7.99E-02	1.16E-02	4.81E+00	5.73E+00	4.10E+00	7.28E+00	3.98E-01	1.75E+01
204	487427.14	3857028.23	35.7379	5.04163	24.615	6.16818	5.85E+00	3.91E+00	4.77E+00	4.54E-01	1.50E+01	5.76E+00	1.69E-04	5.23E-02	1.33E-02	5.82E+00	6.99E+00	3.91E+00	4.77E+00	4.54E-01	1.61E+01
205	487477.14	3857028.23	34.6786	5.06604	25.984	6.08241	5.67E+00	3.93E+00	5.04E+00	4.48E-01	1.51E+01	5.59E+00	1.70E-04	5.52E-02	1.31E-02	5.66E+00	6.79E+00	3.93E+00	5.04E+00	4.48E-01	1.62E+01
206	487527.14	3857028.23	33.7252	5.08992	27.87	5.91212	5.52E+00	3.95E+00	5.40E+00	4.35E-01	1.53E+01	5.43E+00	1.71E-04	5.93E-02	1.27E-02	5.51E+00	6.60E+00	3.95E+00	5.40E+00	4.35E-01	1.64E+01
207	487577.14	3857028.23	32.8218	5.13947	29.293	5.64535	5.37E+00	3.99E+00	5.68E+00	4.16E-01	1.55E+01	5.29E+00	1.73E-04	6.23E-02	1.22E-02	5.36E+00	6.42E+00	3.99E+00	5.68E+00	4.16E-01	1.65E+01
208	487627.14	3857028.23	32.0636	5.20096	30.806	5.63424	5.24E+00	4.03E+00	5.97E+00	4.15E-01	1.57E+01	5.17E+00	1.75E-04	6.55E-02	1.21E-02	5.24E+00	6.27E+00	4.03E+00	5.97E+00	4.15E-01	1.67E+01
209	487677.14	3857028.23	31.2728	5.29773	34.14	5.57337	5.12E+00	4.11E+00	6.62E+00	4.10E-01	1.63E+01	5.04E+00	1.78E-04	7.26E-02	1.20E-02	5.12E+00	6.12E+00	4.11E+00	6.62E+00	4.10E-01	1.73E+01
210	487727.14	3857028.23	30.4887	5.39516	36.662	5.39718	4.99E+00	4.19E+00	7.11E+00	3.97E-01	1.67E+01	4.91E+00	1.81E-04	7.79E-02	1.16E-02	5.00E+00	5.97E+00	4.19E+00	7.11E+00	3.97E-01	1.77E+01
211	487777.14	3857028.23	29.7978	5.43016	37.68	5.16567	4.87E+00	4.21E+00	7.31E+00	3.80E-01	1.68E+01	4.80E+00	1.82E-04	8.01E-02	1.11E-02	4.89E+00	5.83E+00	4.21E+00	7.31E+00	3.80E-01	1.77E+01
212	487427.14	3857078.23	36.2917	5.15977	24.454	6.14897	5.94E+00	4.00E+00	4.74E+00	4.53E-01	1.51E+01	5.85E+00	1.73E-04	5.20E-02	1.32E-02	5.91E+00	7.10E+00	4.00E+00	4.74E+00	4.53E-01	1.63E+01
213	487477.14	3857078.23	35.2668	5.20554	26.248	6.08497	5.77E+00	4.04E+00	5.09E+00	4.48E-01	1.53E+01	5.68E+00	1.75E-04	5.58E-02	1.31E-02	5.75E+00	6.90E+00	4.04E+00	5.09E+00	4.48E-01	1.65E+01
214	487527.14	3857078.23	34.2909	5.23442	27.713	5.91127	5.61E+00	4.06E+00	5.37E+00	4.35E-01	1.55E+01	5.53E+00	1.76E-04	5.89E-02	1.27E-02	5.60E+00	6.71E+00	4.06E+00	5.37E+00	4.35E-01	1.66E+01
215	487577.14	3857078.23	33.3984	5.26249	29.513	5.64975	5.46E+00	4.08E+00	5.72E+00	4.16E-01	1.57E+01	5.38E+00	1.77E-04	6.28E-02	1.22E-02	5.46E+00	6.54E+00	4.08E+00	5.72E+00	4.16E-01	1.68E+01
216	487627.14	3857078.23	32.5825	5.33409	30.743	5.34036	5.33E+00	4.14E+00	5.96E+00	3.93E-01	1.58E+01	5.25E+00	1.79E-04	6.54E-02	1.15E-02	5.33E+00	6.38E+00	4.14E+00	5.96E+00	3.93E-01	1.69E+01
217	487677.14	3857078.23	31.7699	5.43471	33.444	5.22742	5.20E+00	4.22E+00	6.49E+00	3.85E-01	1.63E+01	5.12E+00	1.83E-04	7.11E-02	1.13E-02	5.20E+00	6.22E+00	4.22E+00	6.49E+00	3.85E-01	1.73E+01
218	487727.14	3857078.23	30.9787	5.51896	36.56	5.11974	5.07E+00	4.28E+00	7.09E+00	3.77E-01	1.68E+01	4.99E+00	1.85E-04	7.77E-02	1.10E-02	5.08E+00	6.06E+00	4.28E+00	7.09E+00	3.77E-01	1.78E+01
219	487777.14	3857078.23	30.2867	5.53593	37.516	4.95167	4.95E+00	4.29E+00	7.27E+00	3.65E-01	1.69E+01	4.88E+00	1.86E-04	7.98E-02	1.07E-02	4.97E+00	5.93E+00	4.29E+00	7.27E+00	3.65E-01	1.79E+01
220	487427.14	3857128.23	37.9661	5.26328	23.957	6.06336	6.21E+00	4.08E+00	4.65E+00	4.46E-01	1.54E+01	6.12E+00	1.77E-04	5.09E-02	1.31E-02	6.18E+00	7.43E+00	4.08E+00	4.65E+00	4.46E-01	1.66E+01
221	487477.14	3857128.23	36.1532	5.31622	26.252	6.04112	5.91E+00	4.12E+00	5.09E+00	4.45E-01	1.56E+01	5.83E+00	1.79E-04	5.58E-02	1.30E-02	5.89E+00	7.07E+00	4.12E+00	5.09E+00	4.45E-01	1.67E+01
222	487527.14	3857128.23	35.1279	5.33044	27.926	5.94336	5.75E+00	4.13E+00	5.42E+00	4.38E-01	1.57E+01	5.66E+00	1.79E-04	5.94E-02	1.28E-02	5.73E+00	6.87E+00	4.14E+00	5.42E+00	4.38E-01	1.69E+01
223	487577.14	3857128.23	34.2129	5.35271	29.61	5.72557	5.60E+00	4.15E+00	5.74E+00	4.22E-01	1.59E+01	5.51E+00	1.80E-04	6.30E-02	1.23E-02	5.59E+00	6.69E+00	4.15E+00	5.74E+00	4.22E-01	1.70E+01
224	487627.14	3857128.23	33.3397	5.44221	31.033	5.42703	5.45E+00	4.22E+00	6.02E+00	4.00E-01	1.61E+01	5.37E+00	1.83E-04	6.60E-02	1.17E-02	5.45E+00	6.52E+00	4.22E+00	6.02E+00	4.00E-01	1.72E+01
225	487677.14	3857128.23	32.5474	5.51897	32.444	5.28749	5.32E+00	4.28E+00	6.29E+00	3.89E-01	1.63E+01	5.24E+00	1.85E-04	6.90E-02	1.14E-02	5.32E+00	6.37E+00	4.28E+00	6.29E+00	3.89E-01	1.73E+01
226	487727.14	3857128.23	31.7062	5.64103	35.974	5.10448	5.19E+00	4.38E+00	6.98E+00	3.76E-01	1.69E+01	5.11E+00	1.89E-04	7.65E-02	1.10E-02	5.20E+00	6.20E+00	4.38E+00	6.98E+00	3.76E-01	1.79E+01
227	487777.14	3857128.23	30.9793	5.67214	38.2	4.9442	5.07E+00	4.40E+00	7.41E+00	3.64E-01	1.72E+01	4.99E+00	1.91E-04	8.12E-02	1.06E-02	5.08E+00	6.06E+00	4.40E+00	7.41E+00	3.64E-01	1.82E+01
228	488049.44	3856539.39	22.3883	4.57975	18.531	5.67297	3.66E+00	3.55E+00	3.59E+00	4.18E-01	1.12E+01	3.61E+00	1.54E-04	3.94E-02	1.22E-02	3.66E+00	4.38E+00	3.55E+00	3.59E+00	4.18E-01	1.19E+01
229	488099.44	3856539.39	21.9753	4.53655	17.957	5.58096	3.59E+00	3.52E+00	3.48E+00	4.11E-01	1.10E+01	3.54E+00	1.52E-04	3.82E-02	1.20E-02	3.59E+00	4.30E+00	3.52E+00	3.48E+00	4.11E-01	1.17E+01
230	488149.44	3856539.39	21.5849	4.52556	19.519	5.46516	3.53E+00	3.51E+00	3.78E+00	4.02E-01	1.12E+01	3.48E+00	1.52E-04	4.15E-02	1.18E-02	3.53E+00	4.22E+00	3.51E+00	3.78E+00	4.02E-01	1.19E+01
231	488049.44	3856589.39	22.9161	4.71777	19.139	5.66825	3.75E+00	3.66E+00	3.71E+00	4.17E-01	1.15E+01	3.69E+00	1.58E-04	4.07E-02	1.22E-02	3.75E+00	4.48E+00	3.66E+00	3.71E+00	4.17E-01	1.23E+01
232	488099.44	3856589.39	22.4837	4.68662	18.289	5.56889	3.68E+00	3.64E+00	3.55E+00	4.10E-01	1.13E+01	3.62E+00	1.57E-04	3.89E-02	1.20E-02	3.67E+00	4.40E+00	3.64E+00	3.55E+00	4.10E-01	1.20E+01
233	488149.44	3856589.39	22.0652	4.69417	20.079	5.46492	3.61E+00	3.64E+00	3.89E+00	4.02E-01	1.15E+01	3.56E+00	1.58E-04	4.27E-02	1.18E-02	3.61E+00	4.32E+00	3.64E+00	3.89E+00	4.02E-01	1.23E+01
234	488199.44	3856589.39	21.6633	4.66526	22.606	5.38067	3.54E+00	3.62E+00	4.38E+00	3.96E-01	1.19E+01	3.49E+00	1.57E-04	4.81E-02	1.16E-02	3.55E+00	4.24E+00	3.62E+00	4.38E+00	3.96E-01	1.26E+01
235	488249.44	3856589.39	21.2784	4.72069	24.649	5.22308	3.48E+00	3.66E+00	4.78E+00	3.85E-01	1.23E+01	3.43E+00	1.59E-04	5.24E-02	1.12E-02	3.49E+00	4.16E+00	3.66E+00	4.78E+00	3.85E-01	1.30E+01
236	488049.44	3856639.39	23.4286	4.83903	19.774	5.75087	3.83E+00	3.75E+00	3.83E+00	4.23E-01	1.18E+01	3.78E+00	1.63E-04	4.20E-02	1.24E-02	3.83E+00	4.58E+00	3.75E+00	3.83E+00	4.23E-01	1.26E+01
237	488099.44	3856639.39	23.0143	4.81273	18.627	5.60645	3.76E+00	3.73E+00	3.61E+00	4.13E-01	1.15E+01	3.71E+00	1.62E-04	3.96E-02	1.21E-02	3.76E+00	4.50E+00	3.73E+00	3.61E+00	4.13E-01	1.23E+01
238	488149.44	3856639.39	22.5869	4.84574	20.673	5.45651	3.69E+00	3.76E+00	4.01E+00	4.02E-01	1.19E+01	3.64E+00	1.63E-04	4.40E-02	1.17E-02	3.70E+00	4.42E+00	3.76E+00	4.01E+00	4.02E-01	1.26E+01
239	488199.44	3856639.39	22.1637	4.88888	23.343	5.30639	3.63E+00	3.79E+00	4.53E+00	3.91E-01	1.23E+01	3.57E+00	1.64E-04	4.96E-02	1.14E-02	3.63E+00	4.34E+00	3.79E+00	4.53E+00	3.91E-01	1.30E+01
240	488249.44	3856639.39	21.7596	4.85472	25.429	5.19353	3.56E+00	3.77E+00	4.93E+00	3.82E-01	1.26E+01	3.51E+00	1.63E-04	5.41E-02	1.12E-02	3.57E+00	4.26E+00	3.77E+00	4.93E+00	3.82E-01	1.33E+01

241	488299.44	3856639.39	21.3695	4.81588	26.766	5.0859	3.50E+00	3.74E+00	5.19E+00	3.74E-01	1.28E+01	3.44E+00	1.62E-04	5.69E-02	1.09E-02	3.51E+00	4.18E+00	3.74E+00	5.19E+00	3.74E-01	1.35E+01
242	488349.44	3856639.39	20.9904	4.70398	28.709	4.99815	3.43E+00	3.65E+00	5.57E+00	3.68E-01	1.30E+01	3.38E+00	1.58E-04	6.10E-02	1.08E-02	3.45E+00	4.11E+00	3.65E+00	5.57E+00	3.68E-01	1.37E+01
243	488399.44	3856639.39	20.6043	4.68931	30.314	4.86905	3.37E+00	3.64E+00	5.88E+00	3.58E-01	1.32E+01	3.32E+00	1.58E-04	6.45E-02	1.05E-02	3.40E+00	4.03E+00	3.64E+00	5.88E+00	3.58E-01	1.39E+01
244	488099.44	3856689.39	23.4735	4.96767	18.973	5.67995	3.84E+00	3.85E+00	3.68E+00	4.18E-01	1.18E+01	3.78E+00	1.67E-04	4.03E-02	1.22E-02	3.84E+00	4.59E+00	3.85E+00	3.68E+00	4.18E-01	1.25E+01
245	488149.44	3856689.39	23.0654	5.01883	21.307	5.5446	3.77E+00	3.89E+00	4.13E+00	4.08E-01	1.22E+01	3.72E+00	1.69E-04	4.53E-02	1.19E-02	3.77E+00	4.51E+00	3.89E+00	4.13E+00	4.08E-01	1.29E+01
246	488199.44	3856689.39	22.6449	5.05723	24.118	5.37418	3.70E+00	3.92E+00	4.68E+00	3.96E-01	1.27E+01	3.65E+00	1.70E-04	5.13E-02	1.16E-02	3.71E+00	4.43E+00	3.92E+00	4.68E+00	3.96E-01	1.34E+01
247	488249.44	3856689.39	22.2375	4.98149	26.243	5.24276	3.64E+00	3.86E+00	5.09E+00	3.86E-01	1.30E+01	3.58E+00	1.67E-04	5.58E-02	1.13E-02	3.65E+00	4.35E+00	3.86E+00	5.09E+00	3.86E-01	1.37E+01
248	488299.44	3856689.39	21.8171	4.98794	27.462	5.08095	3.57E+00	3.87E+00	5.33E+00	3.74E-01	1.31E+01	3.52E+00	1.68E-04	5.84E-02	1.09E-02	3.58E+00	4.27E+00	3.87E+00	5.33E+00	3.74E-01	1.38E+01
249	488349.44	3856689.39	21.4262	4.87369	29.345	4.97342	3.50E+00	3.78E+00	5.69E+00	3.66E-01	1.33E+01	3.45E+00	1.64E-04	6.24E-02	1.07E-02	3.53E+00	4.19E+00	3.78E+00	5.69E+00	3.66E-01	1.40E+01
250	488399.44	3856689.39	21.0609	4.71064	30.811	4.89984	3.44E+00	3.65E+00	5.97E+00	3.61E-01	1.34E+01	3.39E+00	1.58E-04	6.55E-02	1.05E-02	3.47E+00	4.12E+00	3.65E+00	5.97E+00	3.61E-01	1.41E+01
251	488099.44	3856739.39	23.9157	5.15786	19.453	5.65651	3.91E+00	4.00E+00	3.77E+00	4.16E-01	1.21E+01	3.85E+00	1.73E-04	4.14E-02	1.22E-02	3.91E+00	4.68E+00	4.00E+00	3.77E+00	4.16E-01	1.29E+01
252	488149.44	3856739.39	23.5087	5.17882	21.982	5.54796	3.85E+00	4.02E+00	4.26E+00	4.08E-01	1.25E+01	3.79E+00	1.74E-04	4.67E-02	1.19E-02	3.85E+00	4.60E+00	4.02E+00	4.26E+00	4.08E-01	1.33E+01
253	488199.44	3856739.39	23.0721	5.25278	24.944	5.36268	3.77E+00	4.07E+00	4.84E+00	3.95E-01	1.31E+01	3.72E+00	1.76E-04	5.30E-02	1.15E-02	3.78E+00	4.51E+00	4.07E+00	4.84E+00	3.95E-01	1.38E+01
254	488249.44	3856739.39	22.6841	5.17311	27.097	5.24185	3.71E+00	4.01E+00	5.25E+00	3.86E-01	1.34E+01	3.66E+00	1.74E-04	5.76E-02	1.13E-02	3.72E+00	4.44E+00	4.01E+00	5.25E+00	3.86E-01	1.41E+01
255	488299.44	3856739.39	22.2919	5.01785	28.147	5.16065	3.65E+00	3.89E+00	5.46E+00	3.80E-01	1.34E+01	3.59E+00	1.69E-04	5.98E-02	1.11E-02	3.66E+00	4.36E+00	3.89E+00	5.46E+00	3.80E-01	1.41E+01
256	488349.44	3856739.39	21.851	5.02444	29.95	4.94869	3.57E+00	3.90E+00	5.81E+00	3.64E-01	1.36E+01	3.52E+00	1.69E-04	6.37E-02	1.07E-02	3.60E+00	4.28E+00	3.90E+00	5.81E+00	3.64E-01	1.43E+01
257	488399.44	3856739.39	21.4284	5.01857	31.267	4.79663	3.50E+00	3.89E+00	6.06E+00	3.53E-01	1.38E+01	3.45E+00	1.69E-04	6.65E-02	1.03E-02	3.53E+00	4.19E+00	3.89E+00	6.06E+00	3.53E-01	1.45E+01
258	487999.44	3856789.39	25.2175	5.11684	25.307	5.99368	4.12E+00	3.97E+00	4.91E+00	4.41E-01	1.34E+01	4.06E+00	1.72E-04	5.38E-02	1.29E-02	4.13E+00	4.93E+00	3.97E+00	4.91E+00	4.41E-01	1.43E+01
259	488049.44	3856789.39	24.7892	5.14591	21.892	5.84037	4.05E+00	3.99E+00	4.24E+00	4.30E-01	1.27E+01	3.99E+00	1.73E-04	4.65E-02	1.26E-02	4.05E+00	4.85E+00	3.99E+00	4.24E+00	4.30E-01	1.35E+01
260	488099.44	3856789.39	24.3468	5.27772	20.108	5.64563	3.98E+00	4.09E+00	3.90E+00	4.16E-01	1.24E+01	3.92E+00	1.77E-04	4.28E-02	1.22E-02	3.98E+00	4.76E+00	4.09E+00	3.90E+00	4.16E-01	1.32E+01
261	488149.44	3856789.39	23.9415	5.33829	22.703	5.52226	3.92E+00	4.14E+00	4.40E+00	4.07E-01	1.29E+01	3.86E+00	1.79E-04	4.83E-02	1.19E-02	3.92E+00	4.68E+00	4.14E+00	4.40E+00	4.07E-01	1.36E+01
262	488199.44	3856789.39	23.5004	5.38292	25.815	5.35788	3.84E+00	4.18E+00	5.01E+00	3.94E-01	1.34E+01	3.79E+00	1.81E-04	5.49E-02	1.15E-02	3.85E+00	4.60E+00	4.18E+00	5.01E+00	3.94E-01	1.42E+01
263	488249.44	3856789.39	23.0961	5.31979	27.979	5.22783	3.78E+00	4.13E+00	5.43E+00	3.85E-01	1.37E+01	3.72E+00	1.79E-04	5.95E-02	1.13E-02	3.79E+00	4.52E+00	4.13E+00	5.43E+00	3.85E-01	1.45E+01
264	488299.44	3856789.39	22.7252	5.19271	28.856	5.13604	3.72E+00	4.03E+00	5.60E+00	3.78E-01	1.37E+01	3.66E+00	1.74E-04	6.14E-02	1.11E-02	3.73E+00	4.45E+00	4.03E+00	5.60E+00	3.78E-01	1.44E+01
265	488349.44	3856789.39	22.2603	5.1981	30.513	4.9149	3.64E+00	4.03E+00	5.92E+00	3.62E-01	1.40E+01	3.59E+00	1.75E-04	6.49E-02	1.06E-02	3.66E+00	4.36E+00	4.03E+00	5.92E+00	3.62E-01	1.47E+01
266	488399.44	3856789.39	21.8311	5.14843	31.62	4.74527	3.57E+00	3.99E+00	6.13E+00	3.49E-01	1.40E+01	3.52E+00	1.73E-04	6.72E-02	1.02E-02	3.60E+00	4.27E+00	3.99E+00	6.13E+00	3.49E-01	1.47E+01
267	487949.44	3856839.39	26.1378	5.17293	31.63	6.0092	4.28E+00	4.01E+00	6.13E+00	4.42E-01	1.49E+01	4.21E+00	1.74E-04	6.73E-02	1.29E-02	4.29E+00	5.11E+00	4.01E+00	6.13E+00	4.42E-01	1.57E+01
268	487999.44	3856839.39	25.6799	5.19876	26.159	5.86465	4.20E+00	4.03E+00	5.07E+00	4.32E-01	1.37E+01	4.14E+00	1.75E-04	5.56E-02	1.26E-02	4.21E+00	5.03E+00	4.03E+00	5.07E+00	4.32E-01	1.46E+01
269	488049.44	3856839.39	25.2066	5.2306	22.721	5.72826	4.12E+00	4.06E+00	4.41E+00	4.22E-01	1.30E+01	4.06E+00	1.76E-04	4.83E-02	1.23E-02	4.12E+00	4.93E+00	4.06E+00	4.41E+00	4.22E-01	1.38E+01
270	488099.44	3856839.39	24.7632	5.36397	20.946	5.57224	4.05E+00	4.16E+00	4.06E+00	4.10E-01	1.27E+01	3.99E+00	1.80E-04	4.45E-02	1.20E-02	4.05E+00	4.85E+00	4.16E+00	4.06E+00	4.10E-01	1.35E+01
271	488149.44	3856839.39	24.3395	5.48793	23.475	5.42128	3.98E+00	4.26E+00	4.55E+00	3.99E-01	1.32E+01	3.92E+00	1.84E-04	4.99E-02	1.17E-02	3.98E+00	4.76E+00	4.26E+00	4.55E+00	3.99E-01	1.40E+01
272	488199.44	3856839.39	23.9146	5.53598	26.741	5.27793	3.91E+00	4.29E+00	5.19E+00	3.89E-01	1.38E+01	3.85E+00	1.86E-04	5.69E-02	1.14E-02	3.92E+00	4.68E+00	4.29E+00	5.19E+00	3.89E-01	1.45E+01
273	487949.44	3856889.39	26.5865	5.22091	32.942	5.77063	4.35E+00	4.05E+00	6.39E+00	4.25E-01	1.52E+01	4.28E+00	1.75E-04	7.00E-02	1.24E-02	4.37E+00	5.20E+00	4.05E+00	6.39E+00	4.25E-01	1.61E+01
274	487999.44	3856889.39	26.0751	5.2963	27.009	5.60399	4.26E+00	4.11E+00	5.24E+00	4.13E-01	1.40E+01	4.20E+00	1.78E-04	5.74E-02	1.21E-02	4.27E+00	5.10E+00	4.11E+00	5.24E+00	4.13E-01	1.49E+01
275	488049.44	3856889.39	25.6768	5.29233	23.589	5.51817	4.20E+00	4.11E+00	4.57E+00	4.06E-01	1.33E+01	4.14E+00	1.78E-04	5.02E-02	1.19E-02	4.20E+00	5.02E+00	4.11E+00	4.57E+00	4.06E-01	1.41E+01
276	488099.44	3856889.39	25.1623	5.48553	21.895	5.36038	4.12E+00	4.26E+00	4.25E+00	3.95E-01	1.30E+01	4.05E+00	1.84E-04	4.66E-02	1.15E-02	4.11E+00	4.92E+00	4.26E+00	4.25E+00	3.95E-01	1.38E+01
277	488635.86	3857895.05	26.2455	10.2854	104.09	7.4875	4.29E+00	7.98E+00	2.02E+01	5.51E-01	3.30E+01	4.23E+00	3.46E-04	2.21E-01	1.61E-02	4.47E+00	5.14E+00	7.98E+00	2.02E+01	5.51E-01	3.39E+01
278	489137.64	3857804.15	24.1399	9.06127	65.524	6.70227	3.95E+00	7.03E+00	1.27E+01	4.93E-01	2.42E+01	3.89E+00	3.04E-04	1.39E-01	1.44E-02	4.04E+00	4.72E+00	7.03E+00	1.27E+01	4.93E-01	2.50E+01
279	488617.32	3857859.41	26.5184	10.1588	91.133	6.93346	4.34E+00	7.88E+00	1.77E+01	5.10E-01	3.04E+01	4.27E+00	3.41E-04	1.94E-01	1.49E-02	4.48E+00	5.19E+00	7.88E+00	1.77E+01	5.10E-01	3.13E+01
280	488667.32	3857859.41	26.259	9.95879	87.859	7.21435	4.29E+00	7.73E+00	1.70E+01	5.31E-01	2.96E+01	4.23E+00	3.35E-04	1.87E-01	1.55E-02	4.43E+00	5.14E+00	7.73E+00	1.70E+01	5.31E-01	3.04E+01
281	488717.32	3857859.41	25.955	9.74558	88.762	7.46299	4.25E+00	7.56E+00	1.72E+01	5.49E-01	2.96E+01	4.18E+00	3.27E-04	1.89E-01	1.61E-02	4.39E+00	5.08E+00	7.56E+00	1.72E+01	5.49E-01	3.04E+01
282	488767.32	3857859.41	25.7597	9.68499	88.084	7.49532	4.21E+00	7.51E+00	1.71E+01	5.52E-01	2.94E+01	4.15E+00	3.25E-04	1.87E-01	1.61E-02	4.35E+00	5.04E+00	7.51E+00	1.71E+01	5.52E-01	3.02E+01
283	488617.32	3857909.41	26.1847	10.4075	106.79	7.58377	4.28E+00	8.07E+00	2.07E+01	5.58E-01	3.36E+01	4.22E+00	3.50E-04	2.27E-01	1.63E-02	4.46E+00	5.12E+00	8.07E+00	2.07E+01	5.58E-01	3.45E+01
284	488667.32	3857909.41	26.0782	10.3323	102.44	7.60805	4.27E+00	8.01E+00	1.99E+01	5.60E-01	3.27E+01	4.20E+00	3.47E-04	2.18E-01	1.64E-02	4.44E+00	5.10E+00	8.02E+00	1.99E+01	5.60E-01	3.35E+01
285	488717.32	3857909.41	26.0152	9.97013	97.53	7.61286	4.26E+00	7.73E+00	1.89E+01	5.60E-01	3.15E+01	4.19E+00	3.35E-04	2.07E-01	1.64E-02	4.42E+00	5.09E+00	7.73E+00	1.89E+01	5.60E-01	3.23E+01
286	488767.32	3857909.41	25.6709	10.0572	95.481	7.39845	4.20E+00	7.80E+00	1.85E+01	5.45E-01	3.11E+01	4.14E+00	3.38E-04	2.03E-01	1.59E-02	4.36E+00	5.02E+00	7.80E+00	1.85E+01	5.45E-01	3.19E+01
287	488417.32	3857959.41	26.1761	10.6048	127.86	6.98301	4.28E+00	8.23E+00	2.48E+01	5.14E-01	3.78E+01	4.22E+00	3.56E-04	2.72E-01	1.50E-02	4.51E+00	5.12E+00	8.23E+00	2.48E+01	5.14E-01	3.87E+01
288	488467.32	3857959.41	25.9393	10.7115	125.83	7.53227	4.24E+00	8.31E+00	2.44E+01	5.55E-01	3.75E+01	4.18E+00	3.60E-04	2.68E-01	1.62E-02	4.46E+00	5.08E+00	8.31E+00	2.44E+01	5.55E-01	3.83E+01
289	488517.32	3857959.41	25.8576	10.7628	122.18	7.82001	4.23E+00	8.35E+00	2.37E+01	5.76E-01	3.68E+01	4.17E+00	3.62E-04	2.60E-01	1.68E-02	4.44E+00	5.06E+00	8.35E+00	2.37E+01	5.76E-01	3.77E+01
290	488567.32	3857959.41	25.6818	10.8353	117.35	7.84033	4.20E+00	8.40E+00	2.28E+01	5.77E-01	3.59E+01	4.14E+00	3.64E-04	2.49E-01	1.69E-02	4.40E+00	5.03E+00	8.41E+00	2.28E+01	5.77E-01	3.68E+01
291	488617.32	3857959.41	25.5836	10.7054	112.14	7.68939	4.18E+00	8.30E+00	2.17E+01	5.66E-01	3.48E+01	4.12E+00	3.60E-04	2.38E-01	1.66E-02	4.38E+00	5.01E+00	8.30E+00	2.17E+01	5.66E-01	3.56E+01
292	488667.32	3857959.41	25.7367	10.4819	106.64	7.56912	4.21E+00	8.13E+00	2.07E+01	5.57E-01	3.36E+01	4.15E+00	3.52E-04	2.27E-01	1.63E-02	4.39E+00	5.04E+00	8.13E+00	2.07E+01	5.57E-01	3.44E+01
293	488717.32	3857959.41	25.7046	10.3296	100.78	7.46925	4.20E+00	8.01E+00	1.95E+01	5.50E-01	3.23E+01	4.14E+00	3.47E-04	2.14E-01	1.61E-02	4.37E+00	5.03E+00	8.01E+00	1.95E+01	5.50E-01	3.31E+01
294	488767.32	3857959.41	25.6406	10.4427	96.13	7.50277	4.19E+00	8.10E+00	1.86E+01	5.52E-01	3.15E+01	4.13E+00	3.51E-04	2.04E-01	1.62E-02	4.35E+00	5.02E+00	8.10E+00	1.86E+01	5.52E-01	3.23E+01
295	488417.32	3858009.41	25.5394	10.9332	132.75	8.05816	4.18E+00	8.48E+00	2.57E+01	5.93E-01	3.90E+01	4.12E+00	3.67E-04	2.82E-01	1.73E-02	4.42E+00	5.00E+00	8.48E+00	2.57E+01	5.93E-01	3.98E+01
296	488467.32	3858009.41	25.7245	11.0347	125.79	8.16993	4.21E+00	8.56E+00	2.44E+01	6.02E-01	3.78E+01	4.15E+00	3.71E-04	2.67E-01	1.76E-02	4.43E+00	5.03E+00	8.56E+00	2.44E+01	6.02E-01	3.86E+01
297	488517.32	3858009.41	25.6217	11.121	122.69	8.00637	4.19E+00	8.63E+00	2.38E+01	5.89E-01	3.72E+01	4.13E+00	3.74E-04	2.61E-01	1.72E-02	4.41E+00	5.01E+00	8.63E+00	2.38E+01	5.89E-01	3.80E+01
298	488567.32	3858009.41	25.4835	11.1703	117.81	7.69152	4.17E+00	8.66E+00	2.28E+01	5.66E-01	3.62E+01	4.11E+00	3.75E-04	2.50E-01	1.66E-02	4.37E+00	4.99E+00	8.67E+00	2.28E+01	5.66E-01	3.71E+01
299	488617.32	3858009.41	25.4264	10.9687	111.64	7.61331	4.16E+00	8.51E+00	2.16E+01	5.61E-01	3.49E+01	4.10E+00	3.68E-04	2.37E-01	1.64E-02	4.35E+00	4.98E+00	8.51E+00	2.16E+01	5.61E-01	3.57E+01
300	488667.32	3858009.41	25.1191	10.7098	105.22	7.7076	4.11E+00	8.31E+00	2.04E+01	5.67E-01	3.34E+01	4.05E+00	3.60E-04	2.24E-01	1.66E-02	4.29E+00	4.92E+00	8.31E+00	2.04E+01	5.67E-01	3.42E+01
301	488717.32	3858009.41	25.3269	10.6613	98.196	7.672	4.14E+00	8.27E+00	1.90E+01	5.65E-01	3.20E+01	4.08E+00	3.58E-04	2.09E-01	1.65E-02	4.31E+00	4.96E+00	8.27E+00	1.90E+01	5.65E-01	3.28E+01

302	488767.32	3858009.41	25.3463	10.7918	92.895	7.79799	4.15E+00	8.37E+00	1.80E+01	5.74E-01	3.11E+01	4.08E+00	3.63E-04	1.98E-01	1.68E-02	4.30E+00	4.96E+00	8.37E+00	1.80E+01	5.74E-01	3.19E+01
303	488417.32	3858059.41	24.6465	11.3212	149.24	8.4851	4.03E+00	8.78E+00	2.89E+01	6.25E-01	4.24E+01	3.97E+00	3.80E-04	3.17E-01	1.83E-02	4.31E+00	4.82E+00	8.78E+00	2.89E+01	6.25E-01	4.32E+01
304	488467.32	3858059.41	25.0741	11.4112	131.15	8.20863	4.10E+00	8.85E+00	2.54E+01	6.04E-01	3.90E+01	4.04E+00	3.83E-04	2.79E-01	1.77E-02	4.34E+00	4.91E+00	8.85E+00	2.54E+01	6.04E-01	3.98E+01
305	488517.32	3858059.41	25.3408	11.4872	120.11	7.83349	4.14E+00	8.91E+00	2.33E+01	5.77E-01	3.69E+01	4.08E+00	3.86E-04	2.55E-01	1.69E-02	4.36E+00	4.96E+00	8.91E+00	2.33E+01	5.77E-01	3.77E+01
306	488567.32	3858059.41	25.2903	11.4755	113.55	7.82869	4.14E+00	8.90E+00	2.20E+01	5.76E-01	3.56E+01	4.08E+00	3.85E-04	2.41E-01	1.69E-02	4.33E+00	4.95E+00	8.90E+00	2.20E+01	5.76E-01	3.64E+01
307	488617.32	3858059.41	24.9977	11.3115	106.71	7.7972	4.09E+00	8.77E+00	2.07E+01	5.74E-01	3.41E+01	4.03E+00	3.80E-04	2.27E-01	1.68E-02	4.27E+00	4.89E+00	8.77E+00	2.07E+01	5.74E-01	3.49E+01
308	488667.32	3858059.41	25.0205	11.0724	100.62	7.95162	4.09E+00	8.59E+00	1.95E+01	5.85E-01	3.28E+01	4.03E+00	3.72E-04	2.14E-01	1.71E-02	4.26E+00	4.90E+00	8.59E+00	1.95E+01	5.85E-01	3.36E+01
309	488417.32	3858109.41	23.6971	11.5292	146.18	8.45463	3.88E+00	8.94E+00	2.83E+01	6.22E-01	4.18E+01	3.82E+00	3.87E-04	3.11E-01	1.82E-02	4.15E+00	4.64E+00	8.94E+00	2.83E+01	6.22E-01	4.25E+01
310	488467.32	3858109.41	24.186	11.69	132.74	8.14056	3.96E+00	9.07E+00	2.57E+01	5.99E-01	3.94E+01	3.90E+00	3.93E-04	2.82E-01	1.75E-02	4.20E+00	4.73E+00	9.07E+00	2.57E+01	5.99E-01	4.01E+01
311	488517.32	3858109.41	24.5384	11.8186	126.92	7.9609	4.01E+00	9.17E+00	2.46E+01	5.86E-01	3.84E+01	3.95E+00	3.97E-04	2.70E-01	1.71E-02	4.24E+00	4.80E+00	9.17E+00	2.46E+01	5.86E-01	3.92E+01
312	488567.32	3858109.41	24.893	11.7599	122.08	8.04569	4.07E+00	9.12E+00	2.37E+01	5.92E-01	3.75E+01	4.01E+00	3.95E-04	2.60E-01	1.73E-02	4.29E+00	4.87E+00	9.12E+00	2.37E+01	5.92E-01	3.83E+01
313	488617.32	3858109.41	24.8886	11.595	115.21	8.06438	4.07E+00	8.99E+00	2.23E+01	5.94E-01	3.60E+01	4.01E+00	3.89E-04	2.45E-01	1.74E-02	4.27E+00	4.87E+00	8.99E+00	2.23E+01	5.94E-01	3.68E+01
314	488667.32	3858109.41	24.7029	11.4274	108.87	7.97659	4.04E+00	8.86E+00	2.11E+01	5.87E-01	3.46E+01	3.98E+00	3.84E-04	2.31E-01	1.72E-02	4.23E+00	4.83E+00	8.86E+00	2.11E+01	5.87E-01	3.54E+01
315	488769.93	3858449.27	19.2233	13.8532	64.268	5.8208	3.14E+00	1.07E+01	1.25E+01	4.29E-01	2.68E+01	3.10E+00	4.65E-04	1.37E-01	1.25E-02	3.25E+00	3.76E+00	1.07E+01	1.25E+01	4.29E-01	2.74E+01
316	488819.93	3858449.27	20.3969	13.5722	64.926	6.20033	3.34E+00	1.05E+01	1.26E+01	4.56E-01	2.69E+01	3.29E+00	4.56E-04	1.38E-01	1.33E-02	3.44E+00	3.99E+00	1.05E+01	1.26E+01	4.56E-01	2.76E+01
317	488819.93	3858499.27	18.6184	13.9721	56.629	6.9815	3.05E+00	1.08E+01	1.10E+01	5.14E-01	2.54E+01	3.00E+00	4.69E-04	1.20E-01	1.50E-02	3.14E+00	3.64E+00	1.08E+01	1.10E+01	5.14E-01	2.60E+01
318	488869.93	3858499.27	19.8983	13.5838	56.44	6.84167	3.25E+00	1.05E+01	1.09E+01	5.04E-01	2.52E+01	3.21E+00	4.56E-04	1.20E-01	1.47E-02	3.34E+00	3.89E+00	1.05E+01	1.09E+01	5.04E-01	2.59E+01
319	488869.93	3858549.27	18.0531	14.0477	51.041	6.51644	2.95E+00	1.09E+01	9.90E+00	4.80E-01	2.42E+01	2.91E+00	4.72E-04	1.09E-01	1.40E-02	3.03E+00	3.53E+00	1.09E+01	9.90E+00	4.80E-01	2.48E+01
320	489438.17	3859571.48	16.7915	19.4162	20.22	5.87439	2.75E+00	1.51E+01	3.92E+00	4.32E-01	2.22E+01	2.71E+00	6.52E-04	4.30E-02	1.26E-02	2.76E+00	3.29E+00	1.51E+01	3.92E+00	4.32E-01	2.27E+01
321	489488.17	3859571.48	16.8159	18.7024	20.885	5.72713	2.75E+00	1.45E+01	4.05E+00	4.22E-01	2.17E+01	2.71E+00	6.28E-04	4.44E-02	1.23E-02	2.77E+00	3.29E+00	1.45E+01	4.05E+00	4.22E-01	2.23E+01
322	489538.17	3859571.48	16.7473	17.994	21.77	5.62936	2.74E+00	1.40E+01	4.22E+00	4.14E-01	2.13E+01	2.70E+00	6.04E-04	4.63E-02	1.21E-02	2.76E+00	3.28E+00	1.40E+01	4.22E+00	4.14E-01	2.19E+01
323	489588.17	3859571.48	16.5708	17.2871	23.248	5.62629	2.71E+00	1.34E+01	4.51E+00	4.14E-01	2.10E+01	2.67E+00	5.81E-04	4.94E-02	1.21E-02	2.73E+00	3.24E+00	1.34E+01	4.51E+00	4.14E-01	2.16E+01
324	489438.17	3859621.48	16.802	20.027	19.741	6.12657	2.75E+00	1.55E+01	3.83E+00	4.51E-01	2.26E+01	2.71E+00	6.73E-04	4.20E-02	1.32E-02	2.76E+00	3.29E+00	1.55E+01	3.83E+00	4.51E-01	2.31E+01
325	489488.17	3859621.48	16.8383	19.3486	20.369	6.01101	2.75E+00	1.50E+01	3.95E+00	4.43E-01	2.22E+01	2.71E+00	6.50E-04	4.33E-02	1.29E-02	2.77E+00	3.29E+00	1.50E+01	3.95E+00	4.43E-01	2.27E+01
326	489538.17	3859621.48	16.8261	18.699	20.86	5.92531	2.75E+00	1.45E+01	4.04E+00	4.36E-01	2.17E+01	2.71E+00	6.28E-04	4.44E-02	1.28E-02	2.77E+00	3.29E+00	1.45E+01	4.04E+00	4.36E-01	2.23E+01
327	489588.17	3859621.48	16.7457	18.0239	21.939	5.80199	2.74E+00	1.40E+01	4.25E+00	4.27E-01	2.14E+01	2.70E+00	6.05E-04	4.66E-02	1.25E-02	2.76E+00	3.28E+00	1.40E+01	4.25E+00	4.27E-01	2.19E+01
328	489238.17	3859671.48	17.1071	23.2099	19.516	6.94363	2.80E+00	1.80E+01	3.78E+00	5.11E-01	2.51E+01	2.76E+00	7.80E-04	4.15E-02	1.49E-02	2.81E+00	3.35E+00	1.80E+01	3.78E+00	5.11E-01	2.56E+01
329	489288.17	3859671.48	17.2408	22.466	19.27	6.76253	2.82E+00	1.74E+01	3.74E+00	4.98E-01	2.45E+01	2.78E+00	7.55E-04	4.10E-02	1.46E-02	2.83E+00	3.37E+00	1.74E+01	3.74E+00	4.98E-01	2.50E+01
330	489338.17	3859671.48	16.7562	21.7308	19.037	6.51807	2.74E+00	1.69E+01	3.69E+00	4.80E-01	2.38E+01	2.70E+00	7.30E-04	4.05E-02	1.40E-02	2.76E+00	3.28E+00	1.69E+01	3.69E+00	4.80E-01	2.43E+01
331	489388.17	3859671.48	16.6057	21.0613	18.821	6.31794	2.72E+00	1.63E+01	3.65E+00	4.65E-01	2.32E+01	2.68E+00	7.07E-04	4.00E-02	1.36E-02	2.73E+00	3.25E+00	1.63E+01	3.65E+00	4.65E-01	2.37E+01
332	489438.17	3859671.48	16.7019	20.4807	19.472	6.25813	2.73E+00	1.59E+01	3.78E+00	4.61E-01	2.29E+01	2.69E+00	6.88E-04	4.14E-02	1.35E-02	2.75E+00	3.27E+00	1.59E+01	3.78E+00	4.61E-01	2.34E+01
333	489488.17	3859671.48	16.8517	19.8591	19.977	6.26672	2.76E+00	1.54E+01	3.87E+00	4.61E-01	2.25E+01	2.72E+00	6.67E-04	4.25E-02	1.35E-02	2.77E+00	3.30E+00	1.54E+01	3.87E+00	4.61E-01	2.30E+01
334	489538.17	3859671.48	16.8637	19.237	20.7	6.16393	2.76E+00	1.49E+01	4.01E+00	4.54E-01	2.21E+01	2.72E+00	6.46E-04	4.40E-02	1.33E-02	2.78E+00	3.30E+00	1.49E+01	4.01E+00	4.54E-01	2.27E+01
335	489588.17	3859671.48	16.8365	18.6022	21.186	5.96042	2.75E+00	1.44E+01	4.11E+00	4.39E-01	2.17E+01	2.71E+00	6.25E-04	4.50E-02	1.28E-02	2.77E+00	3.29E+00	1.44E+01	4.11E+00	4.39E-01	2.23E+01
336	489238.17	3859721.48	16.8348	23.1747	19.2	6.73792	2.75E+00	1.80E+01	3.72E+00	4.96E-01	2.49E+01	2.71E+00	7.78E-04	4.08E-02	1.45E-02	2.77E+00	3.29E+00	1.80E+01	3.72E+00	4.96E-01	2.55E+01
337	489288.17	3859721.48	17.1496	22.6692	19.105	6.29345	2.80E+00	1.76E+01	3.70E+00	4.63E-01	2.46E+01	2.76E+00	7.61E-04	4.06E-02	1.35E-02	2.82E+00	3.36E+00	1.76E+01	3.70E+00	4.63E-01	2.51E+01
338	489338.17	3859721.48	17.1805	22.0375	19.154	6.2013	2.81E+00	1.71E+01	3.71E+00	4.57E-01	2.41E+01	2.77E+00	7.40E-04	4.07E-02	1.33E-02	2.82E+00	3.36E+00	1.71E+01	3.71E+00	4.57E-01	2.46E+01
339	489388.17	3859721.48	16.8695	21.3823	18.951	6.38303	2.76E+00	1.66E+01	3.67E+00	4.70E-01	2.35E+01	2.72E+00	7.18E-04	4.03E-02	1.37E-02	2.77E+00	3.30E+00	1.66E+01	3.67E+00	4.70E-01	2.40E+01
340	489438.17	3859721.48	16.7157	20.7583	19.079	6.47421	2.73E+00	1.61E+01	3.70E+00	4.77E-01	2.30E+01	2.69E+00	6.97E-04	4.06E-02	1.39E-02	2.75E+00	3.27E+00	1.61E+01	3.70E+00	4.77E-01	2.36E+01
341	489488.17	3859721.48	16.7694	20.1768	19.752	6.39714	2.74E+00	1.57E+01	3.83E+00	4.71E-01	2.27E+01	2.70E+00	6.78E-04	4.20E-02	1.38E-02	2.76E+00	3.28E+00	1.57E+01	3.83E+00	4.71E-01	2.32E+01
342	489538.17	3859721.48	16.8742	19.639	20.331	6.16884	2.76E+00	1.52E+01	3.94E+00	4.54E-01	2.24E+01	2.72E+00	6.60E-04	4.32E-02	1.33E-02	2.78E+00	3.30E+00	1.52E+01	3.94E+00	4.54E-01	2.29E+01
343	489588.17	3859721.48	16.8697	19.0862	21.059	5.81209	2.76E+00	1.48E+01	4.08E+00	4.28E-01	2.21E+01	2.72E+00	6.41E-04	4.48E-02	1.25E-02	2.78E+00	3.30E+00	1.48E+01	4.08E+00	4.28E-01	2.26E+01
344	489238.17	3859771.48	16.8324	23.1039	18.792	6.9477	2.75E+00	1.79E+01	3.64E+00	5.12E-01	2.48E+01	2.71E+00	7.76E-04	4.00E-02	1.50E-02	2.77E+00	3.29E+00	1.79E+01	3.64E+00	5.12E-01	2.54E+01
345	489288.17	3859771.48	16.8522	22.831	18.825	6.88529	2.76E+00	1.77E+01	3.65E+00	5.07E-01	2.46E+01	2.72E+00	7.67E-04	4.00E-02	1.48E-02	2.77E+00	3.30E+00	1.77E+01	3.65E+00	5.07E-01	2.52E+01
346	489338.17	3859771.48	17.0968	22.217	19.076	6.84078	2.80E+00	1.72E+01	3.70E+00	5.04E-01	2.42E+01	2.75E+00	7.46E-04	4.06E-02	1.47E-02	2.81E+00	3.35E+00	1.72E+01	3.70E+00	5.04E-01	2.48E+01
347	489388.17	3859771.48	17.1089	21.6044	19.081	6.72422	2.80E+00	1.68E+01	3.70E+00	4.95E-01	2.38E+01	2.76E+00	7.26E-04	4.06E-02	1.45E-02	2.81E+00	3.35E+00	1.68E+01	3.70E+00	4.95E-01	2.43E+01
348	489438.17	3859771.48	16.8894	21.061	18.815	6.61513	2.76E+00	1.63E+01	3.65E+00	4.87E-01	2.32E+01	2.72E+00	7.07E-04	4.00E-02	1.42E-02	2.78E+00	3.30E+00	1.63E+01	3.65E+00	4.87E-01	2.38E+01
349	489488.17	3859771.48	16.7836	20.4331	19.681	6.48758	2.75E+00	1.58E+01	3.82E+00	4.78E-01	2.29E+01	2.70E+00	6.86E-04	4.18E-02	1.40E-02	2.76E+00	3.28E+00	1.59E+01	3.82E+00	4.78E-01	2.34E+01
350	489538.17	3859771.48	16.8128	19.8484	20.251	6.32268	2.75E+00	1.54E+01	3.93E+00	4.66E-01	2.25E+01	2.71E+00	6.67E-04	4.31E-02	1.36E-02	2.77E+00	3.29E+00	1.54E+01	3.93E+00	4.66E-01	2.31E+01
351	489588.17	3859771.48	16.8753	19.3725	20.685	6.24197	2.76E+00	1.50E+01	4.01E+00	4.60E-01	2.23E+01	2.72E+00	6.51E-04	4.40E-02	1.34E-02	2.78E+00	3.30E+00	1.50E+01	4.01E+00	4.60E-01	2.28E+01
352	489238.17	3859821.48	16.974	22.543	18.291	9.6386	2.78E+00	1.75E+01	3.55E+00	7.10E-01	2.45E+01	2.74E+00	7.57E-04	3.89E-02	2.07E-02	2.80E+00	3.32E+00	1.75E+01	3.55E+00	7.10E-01	2.51E+01
353	489288.17	3859821.48	16.8399	22.4987	18.483	9.26351	2.75E+00	1.75E+01	3.58E+00	6.82E-01	2.45E+01	2.71E+00	7.56E-04	3.93E-02	1.99E-02	2.77E+00	3.30E+00	1.75E+01	3.58E+00	6.82E-01	2.50E+01
354	489338.17	3859821.48	16.7815	22.1774	18.789	8.84531	2.74E+00	1.72E+01	3.64E+00	6.51E-01	2.42E+01	2.70E+00	7.45E-04	3.99E-02	1.90E-02	2.76E+00	3.28E+00	1.72E+01	3.64E+00	6.51E-01	2.48E+01
355	489388.17	3859821.48	17.021	21.7206	19.087	8.37524	2.78E+00	1.68E+01	3.70E+00	6.17E-01	2.40E+01	2.74E+00	7.30E-04	4.06E-02	1.80E-02	2.80E+00	3.33E+00	1.68E+01	3.70E+00	6.17E-01	2.45E+01
356	489438.17	3859821.48	17.0554	21.1587	19.077	7.88728	2.79E+00	1.64E+01	3.70E+00	5.81E-01	2.35E+01	2.75E+00	7.11E-04	4.06E-02	1.70E-02	2.81E+00	3.34E+00	1.64E+01	3.70E+00	5.81E-01	2.40E+01
357	489488.17	3859821.48	16.9192	20.6035	19.446	7.56132	2.77E+00	1.60E+01	3.77E+00	5.57E-01	2.31E+01	2.73E+00	6.92E-04	4.13E-02	1.63E-02	2.78E+00	3.31E+00	1.60E+01	3.77E+00	5.57E-01	2.36E+01
358	489538.17	3859821.48	16.8258	20.0721	20.358	7.39599	2.75E+00	1.56E+01	3.95E+00	5.45E-01	2.28E+01	2.71E+00	6.74E-04	4.33E-02	1.59E-02	2.77E+00	3.29E+00	1.56E+01	3.95E+00	5.45E-01	2.34E+01
359	489588.17	3859821.48	16.8199	19.5516	20.702	7.23572	2.75E+00	1.52E+01	4.01E+00	5.33E-01	2.25E+01	2.71E+00	6.57E-04	4.40E-02	1.56E-02	2.77E+00	3.29E+00	1.52E+01	4.01E+00	5.33E-01	2.30E+01
360	489238.17	3859871.48	16.9433	21.7782	17.735	13.56928	2.77E+00	1.69E+01	3.44E+00	9.99E-01	2.41E+01	2.73E+00	7.32E-04	3.77E-02	2.92E-02	2.80E+00	3.32E+00	1.69E+01	3.44E+00	9.99E-01	2.46E+01
361	489288.17	3859871.48	16.9574	21.6616	18.049	12.80305	2.77E+00	1.68E+01	3.50E+00	9.43E-01	2.40E+01	2.73E+00	7.28E-04	3.84E-02	2.76E-02	2.80E+00	3.32E+00	1.68E+01	3.50E+00	9.43E-01	2.46E+01
362	489338.17	3859871.48	16.7677	21.7756	18.277	11.98167	2.74E+00	1.69E+01	3.54E+00	8.82E-01	2.41E+01	2.70E+00	7.31E-04	3.89E-02	2.58E-02	2.77E+00	3.28E+00	1.69E+01	3.54E+00	8.82E-01	2.46E+01

363	489388.17	3859871.48	16.7075	21.4585	18.929	11.2533	2.73E+00	1.66E+01	3.67E+00	8.29E-01	2.39E+01	2.69E+00	7.21E-04	4.02E-02	2.42E-02	2.76E+00	3.27E+00	1.66E+01	3.67E+00	8.29E-01	2.44E+01
364	489438.17	3859871.48	16.9861	21.1113	19.252	10.73978	2.78E+00	1.64E+01	3.73E+00	7.91E-01	2.37E+01	2.74E+00	7.09E-04	4.09E-02	2.31E-02	2.80E+00	3.32E+00	1.64E+01	3.73E+00	7.91E-01	2.42E+01
365	489488.17	3859871.48	17.055	20.5866	19.487	10.27078	2.79E+00	1.60E+01	3.78E+00	7.56E-01	2.33E+01	2.75E+00	6.92E-04	4.14E-02	2.21E-02	2.81E+00	3.34E+00	1.60E+01	3.78E+00	7.56E-01	2.38E+01
366	489538.17	3859871.48	16.9279	20.1315	20.301	9.74435	2.77E+00	1.56E+01	3.94E+00	7.17E-01	2.30E+01	2.73E+00	6.76E-04	4.32E-02	2.10E-02	2.79E+00	3.31E+00	1.56E+01	3.94E+00	7.17E-01	2.36E+01
367	489588.17	3859871.48	16.8366	19.632	21.014	9.35958	2.75E+00	1.52E+01	4.07E+00	6.89E-01	2.27E+01	2.71E+00	6.59E-04	4.47E-02	2.01E-02	2.78E+00	3.29E+00	1.52E+01	4.07E+00	6.89E-01	2.33E+01
368	489238.17	3859921.48	16.8163	20.8587	17.139	14.35868	2.75E+00	1.62E+01	3.32E+00	1.06E+00	2.33E+01	2.71E+00	7.01E-04	3.64E-02	3.09E-02	2.78E+00	3.29E+00	1.62E+01	3.32E+00	1.06E+00	2.39E+01
369	489288.17	3859921.48	16.9761	21.2929	17.594	13.89457	2.78E+00	1.65E+01	3.41E+00	1.02E+00	2.37E+01	2.74E+00	7.15E-04	3.74E-02	2.99E-02	2.80E+00	3.32E+00	1.65E+01	3.41E+00	1.02E+00	2.43E+01
370	489338.17	3859921.48	16.9219	21.298	17.846	13.4822	2.77E+00	1.65E+01	3.46E+00	9.93E-01	2.37E+01	2.73E+00	7.15E-04	3.79E-02	2.90E-02	2.79E+00	3.31E+00	1.65E+01	3.46E+00	9.93E-01	2.43E+01
371	489388.17	3859921.48	16.7428	21.1373	18.681	13.11041	2.74E+00	1.64E+01	3.62E+00	9.65E-01	2.37E+01	2.70E+00	7.10E-04	3.97E-02	2.82E-02	2.77E+00	3.28E+00	1.64E+01	3.62E+00	9.65E-01	2.43E+01
372	489438.17	3859921.48	16.7017	20.7386	19.378	12.75027	2.73E+00	1.61E+01	3.76E+00	9.39E-01	2.35E+01	2.69E+00	6.97E-04	4.12E-02	2.74E-02	2.76E+00	3.27E+00	1.61E+01	3.76E+00	9.39E-01	2.41E+01
373	489488.17	3859921.48	16.9512	20.2982	19.508	12.29582	2.77E+00	1.57E+01	3.78E+00	9.05E-01	2.32E+01	2.73E+00	6.82E-04	4.15E-02	2.65E-02	2.80E+00	3.32E+00	1.57E+01	3.78E+00	9.05E-01	2.38E+01
374	489538.17	3859921.48	16.9867	20.0385	20.047	11.85387	2.78E+00	1.55E+01	3.89E+00	8.73E-01	2.31E+01	2.74E+00	6.73E-04	4.26E-02	2.55E-02	2.81E+00	3.32E+00	1.55E+01	3.89E+00	8.73E-01	2.36E+01
375	489588.17	3859921.48	16.9136	19.5473	21.249	11.49627	2.77E+00	1.52E+01	4.12E+00	8.46E-01	2.29E+01	2.73E+00	6.57E-04	4.52E-02	2.47E-02	2.80E+00	3.31E+00	1.52E+01	4.12E+00	8.46E-01	2.34E+01
376	489238.17	3859971.48	16.5824	20.1766	16.711	14.40842	2.71E+00	1.57E+01	3.24E+00	1.06E+00	2.27E+01	2.67E+00	6.78E-04	3.55E-02	3.10E-02	2.74E+00	3.24E+00	1.57E+01	3.24E+00	1.06E+00	2.32E+01
377	489288.17	3859971.48	16.8485	20.3304	17.055	13.54648	2.76E+00	1.58E+01	3.31E+00	9.97E-01	2.28E+01	2.71E+00	6.83E-04	3.63E-02	2.92E-02	2.78E+00	3.30E+00	1.58E+01	3.31E+00	9.97E-01	2.34E+01
378	489338.17	3859971.48	16.95	20.473	17.42	13.11702	2.77E+00	1.59E+01	3.38E+00	9.66E-01	2.30E+01	2.73E+00	6.88E-04	3.70E-02	2.82E-02	2.80E+00	3.32E+00	1.59E+01	3.38E+00	9.66E-01	2.35E+01
379	489388.17	3859971.48	16.9044	20.5167	18.264	12.78807	2.76E+00	1.59E+01	3.54E+00	9.42E-01	2.32E+01	2.72E+00	6.89E-04	3.88E-02	2.75E-02	2.79E+00	3.31E+00	1.59E+01	3.54E+00	9.42E-01	2.37E+01
380	489438.17	3859971.48	16.7293	20.2959	19.323	12.50235	2.74E+00	1.57E+01	3.75E+00	9.20E-01	2.31E+01	2.70E+00	6.82E-04	4.11E-02	2.69E-02	2.76E+00	3.27E+00	1.57E+01	3.75E+00	9.20E-01	2.37E+01
381	489488.17	3859971.48	16.6328	19.6796	19.893	12.34108	2.72E+00	1.53E+01	3.86E+00	9.09E-01	2.28E+01	2.68E+00	6.61E-04	4.23E-02	2.66E-02	2.75E+00	3.25E+00	1.53E+01	3.86E+00	9.09E-01	2.33E+01
382	489538.17	3859971.48	16.8855	19.0348	20.093	12.19074	2.76E+00	1.48E+01	3.90E+00	8.98E-01	2.23E+01	2.72E+00	6.39E-04	4.27E-02	2.62E-02	2.79E+00	3.30E+00	1.48E+01	3.90E+00	8.98E-01	2.29E+01
383	489588.17	3859971.48	16.8921	18.344	21.003	11.99791	2.76E+00	1.42E+01	4.07E+00	8.83E-01	2.19E+01	2.72E+00	6.16E-04	4.47E-02	2.58E-02	2.79E+00	3.31E+00	1.42E+01	4.07E+00	8.83E-01	2.25E+01
384	483577.7	3854071	32.2678	5.15982	9.0111	5.54273	5.28E+00	4.00E+00	1.75E+00	4.08E-01	1.14E+01	5.20E+00	1.73E-04	1.92E-02	1.19E-02	5.23E+00	6.31E+00	4.00E+00	1.75E+00	4.08E-01	1.25E+01
385	483627.7	3854071	33.7914	4.88778	9.0016	5.41619	5.53E+00	3.79E+00	1.75E+00	3.99E-01	1.15E+01	5.44E+00	1.64E-04	1.91E-02	1.17E-02	5.48E+00	6.61E+00	3.79E+00	1.75E+00	3.99E-01	1.25E+01
386	483677.7	3854071	34.5114	4.61386	8.9714	4.84416	5.64E+00	3.58E+00	1.74E+00	3.57E-01	1.13E+01	5.56E+00	1.55E-04	1.91E-02	1.04E-02	5.59E+00	6.75E+00	3.58E+00	1.74E+00	3.57E-01	1.24E+01
387	483727.7	3854071	34.3364	4.35488	8.9203	4.65119	5.62E+00	3.38E+00	1.73E+00	3.42E-01	1.11E+01	5.53E+00	1.46E-04	1.90E-02	1.00E-02	5.56E+00	6.72E+00	3.38E+00	1.73E+00	3.42E-01	1.22E+01
388	483777.7	3854071	34.4767	4.06334	8.8485	4.92333	5.64E+00	3.15E+00	1.72E+00	3.62E-01	1.09E+01	5.56E+00	1.36E-04	1.88E-02	1.06E-02	5.58E+00	6.75E+00	3.15E+00	1.72E+00	3.62E-01	1.20E+01
389	483577.7	3854121	31.6839	5.2477	9.0801	5.70224	5.18E+00	4.07E+00	1.76E+00	4.20E-01	1.14E+01	5.11E+00	1.76E-04	1.93E-02	1.23E-02	5.14E+00	6.20E+00	4.07E+00	1.76E+00	4.20E-01	1.25E+01
390	483627.7	3854121	33.1456	4.91308	9.0945	5.27319	5.42E+00	3.81E+00	1.76E+00	3.88E-01	1.14E+01	5.34E+00	1.65E-04	1.93E-02	1.14E-02	5.37E+00	6.49E+00	3.81E+00	1.76E+00	3.88E-01	1.24E+01
391	483677.7	3854121	34.8413	4.541	9.0879	4.75617	5.70E+00	3.52E+00	1.76E+00	3.50E-01	1.13E+01	5.61E+00	1.53E-04	1.93E-02	1.02E-02	5.64E+00	6.82E+00	3.52E+00	1.76E+00	3.50E-01	1.25E+01
392	483727.7	3854121	35.4849	4.22005	9.06	4.83559	5.80E+00	3.27E+00	1.76E+00	3.56E-01	1.12E+01	5.72E+00	1.42E-04	1.93E-02	1.04E-02	5.75E+00	6.94E+00	3.27E+00	1.76E+00	3.56E-01	1.23E+01
393	483777.7	3854121	37.3863	3.99724	9.0106	5.08465	6.11E+00	3.10E+00	1.75E+00	3.74E-01	1.13E+01	6.02E+00	1.34E-04	1.92E-02	1.09E-02	6.05E+00	7.32E+00	3.10E+00	1.75E+00	3.74E-01	1.25E+01
394	483577.7	3854171	31.423	5.16944	9.1222	5.76936	5.14E+00	4.01E+00	1.77E+00	4.25E-01	1.13E+01	5.06E+00	1.74E-04	1.94E-02	1.24E-02	5.10E+00	6.15E+00	4.01E+00	1.77E+00	4.25E-01	1.24E+01
395	483627.7	3854171	32.5493	4.77866	9.1611	5.09129	5.32E+00	3.71E+00	1.78E+00	3.75E-01	1.12E+01	5.24E+00	1.61E-04	1.95E-02	1.10E-02	5.28E+00	6.37E+00	3.71E+00	1.78E+00	3.75E-01	1.22E+01
396	483677.7	3854171	34.0281	4.42025	9.179	4.73815	5.57E+00	3.43E+00	1.78E+00	3.49E-01	1.11E+01	5.48E+00	1.48E-04	1.95E-02	1.02E-02	5.51E+00	6.66E+00	3.43E+00	1.78E+00	3.49E-01	1.22E+01
397	483727.7	3854171	37.8014	4.17386	9.1754	5.00368	6.18E+00	3.24E+00	1.78E+00	3.68E-01	1.16E+01	6.09E+00	1.40E-04	1.95E-02	1.08E-02	6.12E+00	7.40E+00	3.24E+00	1.78E+00	3.68E-01	1.28E+01
398	483777.7	3854171	39.1749	3.92242	9.1498	5.2927	6.41E+00	3.04E+00	1.77E+00	3.90E-01	1.16E+01	6.31E+00	1.32E-04	1.95E-02	1.14E-02	6.34E+00	7.67E+00	3.04E+00	1.77E+00	3.90E-01	1.29E+01
399	483827.7	3854171	38.9171	3.6937	9.102	5.60643	6.37E+00	2.87E+00	1.76E+00	4.13E-01	1.14E+01	6.27E+00	1.24E-04	1.94E-02	1.21E-02	6.30E+00	7.62E+00	2.87E+00	1.76E+00	4.13E-01	1.27E+01
400	483877.7	3854171	38.8759	3.53916	9.0324	5.76949	6.36E+00	2.75E+00	1.75E+00	4.25E-01	1.13E+01	6.26E+00	1.19E-04	1.92E-02	1.24E-02	6.30E+00	7.61E+00	2.75E+00	1.75E+00	4.25E-01	1.25E+01
401	483727.7	3854221	36.8153	4.12711	9.2643	5.15127	6.02E+00	3.20E+00	1.80E+00	3.79E-01	1.14E+01	5.93E+00	1.39E-04	1.97E-02	1.11E-02	5.96E+00	7.20E+00	3.20E+00	1.80E+00	3.79E-01	1.26E+01
402	483777.7	3854221	39.2977	3.87177	9.2638	5.47002	6.43E+00	3.00E+00	1.80E+00	4.03E-01	1.16E+01	6.33E+00	1.30E-04	1.97E-02	1.18E-02	6.36E+00	7.69E+00	3.00E+00	1.80E+00	4.03E-01	1.29E+01
403	483827.7	3854221	40.5046	3.74925	9.2411	5.64023	6.62E+00	2.91E+00	1.79E+00	4.15E-01	1.17E+01	6.53E+00	1.26E-04	1.96E-02	1.21E-02	6.56E+00	7.93E+00	2.91E+00	1.79E+00	4.15E-01	1.30E+01
404	483877.7	3854221	39.9668	3.56119	9.1953	5.85514	6.54E+00	2.76E+00	1.78E+00	4.31E-01	1.15E+01	6.44E+00	1.20E-04	1.96E-02	1.26E-02	6.47E+00	7.82E+00	2.76E+00	1.78E+00	4.31E-01	1.28E+01
405	489150.19	3858726.45	18.7758	12.2797	39.416	6.24364	3.07E+00	9.53E+00	7.64E+00	4.60E-01	2.07E+01	3.03E+00	4.12E-04	8.38E-02	1.34E-02	3.12E+00	3.67E+00	9.53E+00	7.64E+00	4.60E-01	2.13E+01
406	489200.19	3858726.45	18.9064	11.8451	38.222	5.73986	3.09E+00	9.19E+00	7.41E+00	4.23E-01	2.01E+01	3.05E+00	3.98E-04	8.13E-02	1.24E-02	3.14E+00	3.70E+00	9.19E+00	7.41E+00	4.23E-01	2.07E+01
407	489150.19	3858776.45	17.3723	12.6985	37.813	6.0316	2.84E+00	9.85E+00	7.33E+00	4.44E-01	2.05E+01	2.80E+00	4.27E-04	8.04E-02	1.30E-02	2.89E+00	3.40E+00	9.85E+00	7.33E+00	4.44E-01	2.10E+01
408	489200.19	3858776.45	18.0951	12.3363	37.526	5.50945	2.96E+00	9.57E+00	7.28E+00	4.06E-01	2.02E+01	2.92E+00	4.14E-04	7.98E-02	1.19E-02	3.01E+00	3.54E+00	9.57E+00	7.28E+00	4.06E-01	2.08E+01
409	488919.6	3856400.76	16.0893	4.05325	32.796	4.22158	2.63E+00	3.14E+00	6.36E+00	3.11E-01	1.24E+01	2.59E+00	1.36E-04	6.97E-02	9.09E-03	2.67E+00	3.15E+00	3.14E+00	6.36E+00	3.11E-01	1.30E+01
410	488919.6	3856450.76	16.359	4.20392	32.865	4.27503	2.68E+00	3.26E+00	6.37E+00	3.15E-01	1.26E+01	2.64E+00	1.41E-04	6.99E-02	9.20E-03	2.72E+00	3.20E+00	3.26E+00	6.37E+00	3.15E-01	1.31E+01
411	488969.6	3856450.76	16.1269	4.17374	32.955	4.27509	2.64E+00	3.24E+00	6.39E+00	3.15E-01	1.26E+01	2.60E+00	1.40E-04	7.01E-02	9.20E-03	2.68E+00	3.16E+00	3.24E+00	6.39E+00	3.15E-01	1.31E+01
412	488919.6	3856500.76	16.7053	4.35429	32.379	4.28734	2.73E+00	3.38E+00	6.28E+00	3.16E-01	1.27E+01	2.69E+00	1.46E-04	6.88E-02	9.23E-03	2.77E+00	3.27E+00	3.38E+00	6.28E+00	3.16E-01	1.32E+01
413	488969.6	3856500.76	16.4748	4.34013	31.864	4.2854	2.69E+00	3.37E+00	6.18E+00	3.16E-01	1.26E+01	2.65E+00	1.46E-04	6.77E-02	9.23E-03	2.73E+00	3.22E+00	3.37E+00	6.18E+00	3.16E-01	1.31E+01
414	488919.6	3856550.76	17.0343	4.53158	31.722	4.23513	2.79E+00	3.52E+00	6.15E+00	3.12E-01	1.28E+01	2.74E+00	1.52E-04	6.74E-02	9.12E-03	2.82E+00	3.33E+00	3.52E+00	6.15E+00	3.12E-01	1.33E+01
415	488969.6	3856550.76	16.801	4.48199	30.435	4.27533	2.75E+00	3.48E+00	5.90E+00	3.15E-01	1.24E+01	2.71E+00	1.51E-04	6.47E-02	9.20E-03	2.78E+00	3.29E+00	3.48E+00	5.90E+00	3.15E-01	1.30E+01
416	488819.6	3856600.76	17.8356	4.62697	31.384	4.30279	2.92E+00	3.59E+00	6.09E+00	3.17E-01	1.29E+01	2.87E+00	1.55E-04	6.67E-02	9.26E-03	2.95E+00	3.49E+00	3.59E+00	6.09E+00	3.17E-01	1.35E+01
417	488869.6	3856600.76	17.5798	4.65938	31.491	4.25512	2.88E+00	3.61E+00	6.11E+00	3.13E-01	1.29E+01	2.83E+00	1.57E-04	6.70E-02	9.16E-03	2.91E+00	3.44E+00	3.61E+00	6.11E+00	3.13E-01	1.35E+01
418	488919.6	3856600.76	17.338	4.66752	30.719	4.22235	2.84E+00	3.62E+00	5.96E+00	3.11E-01	1.27E+01	2.79E+00	1.57E-04	6.53E-02	9.09E-03	2.87E+00	3.39E+00	3.62E+00	5.96E+00	3.11E-01	1.33E+01
419	488819.6	3856650.76	18.1593	4.79583	31.07	4.30493	2.97E+00	3.72E+00	6.02E+00	3.17E-01	1.30E+01	2.93E+00	1.61E-04	6.61E-02	9.27E-03	3.00E+00	3.55E+00	3.72E+00	6.02E+00	3.17E-01	1.36E+01
420	488869.6	3856650.76	17.9	4.81346	30.875	4.25824	2.93E+00	3.73E+00	5.99E+00	3.14E-01	1.30E+01	2.88E+00	1.62E-04	6.56E-02	9.17E-03	2.96E+00	3.50E+00	3.73E+00	5.99E+00	3.14E-01	1.35E+01
421	488819.6	3856700.76	18.4618	4.9655	30.67	4.2628	3.02E+00	3.85E+00	5.95E+00	3.14E-01	1.31E+01	2.97E+00	1.67E-04	6.52E-02	9.18E-03	3.05E+00	3.61E+00	3.85E+00	5.95E+00	3.14E-01	1.37E+01
422	488869.6	3856700.76	18.2029	4.9587	29.779	4.22017	2.98E+00	3.85E+00	5.77E+00	3.11E-01	1.29E+01	2.93E+00	1.67E-04	6.33E-02	9.08E-03	3.01E+00	3.56E+00	3.85E+00	5.77E+00	3.11E-01	1.35E+01
423	488819.6	3856750.76	18.7572	5.09801	30.394	4.18403	3.07E+00	3.95E+00	5.89E+00	3.08E-01	1.32E+01	3.02E+00	1.71E-04	6.46E-02	9.01E-03	3.10E+00	3.67E+00	3.95E+00	5.89E+00	3.08E-01	1.38E+01

424	488869.6	3856750.76	18.4886	5.10883	29.923	4.13676	3.02E+00	3.96E+00	5.80E+00	3.05E-01	1.31E+01	2.98E+00	1.72E-04	6.36E-02	8.91E-03	3.05E+00	3.62E+00	3.96E+00	5.80E+00	3.05E-01	1.37E+01
425	488819.6	3857050.76	20.4618	6.13229	35.531	4.84282	3.35E+00	4.76E+00	6.89E+00	3.57E-01	1.53E+01	3.30E+00	2.06E-04	7.55E-02	1.04E-02	3.38E+00	4.00E+00	4.76E+00	6.89E+00	3.57E-01	1.60E+01
426	488869.6	3857050.76	20.1258	6.18952	38.581	4.86689	3.29E+00	4.80E+00	7.48E+00	3.58E-01	1.59E+01	3.24E+00	2.08E-04	8.20E-02	1.05E-02	3.34E+00	3.94E+00	4.80E+00	7.48E+00	3.58E-01	1.66E+01
427	488919.6	3857050.76	19.8145	6.14305	42.432	4.83049	3.24E+00	4.77E+00	8.23E+00	3.56E-01	1.66E+01	3.19E+00	2.06E-04	9.02E-02	1.04E-02	3.29E+00	3.88E+00	4.77E+00	8.23E+00	3.56E-01	1.72E+01
428	488819.6	3857100.76	20.7468	6.35537	39.359	4.95196	3.39E+00	4.93E+00	7.63E+00	3.65E-01	1.63E+01	3.34E+00	2.13E-04	8.37E-02	1.07E-02	3.44E+00	4.06E+00	4.93E+00	7.63E+00	3.65E-01	1.70E+01
429	488869.6	3857100.76	20.4087	6.36347	43.509	4.88434	3.34E+00	4.94E+00	8.44E+00	3.60E-01	1.71E+01	3.29E+00	2.14E-04	9.25E-02	1.05E-02	3.39E+00	3.99E+00	4.94E+00	8.44E+00	3.60E-01	1.77E+01
430	488919.6	3857100.76	20.0622	6.32778	46.826	4.93442	3.28E+00	4.91E+00	9.08E+00	3.63E-01	1.76E+01	3.23E+00	2.13E-04	9.96E-02	1.06E-02	3.34E+00	3.93E+00	4.91E+00	9.08E+00	3.63E-01	1.83E+01
431	488819.6	3857150.76	21.0122	6.58334	44.635	5.00602	3.44E+00	5.11E+00	8.65E+00	3.69E-01	1.76E+01	3.39E+00	2.21E-04	9.49E-02	1.08E-02	3.49E+00	4.11E+00	5.11E+00	8.65E+00	3.69E-01	1.82E+01
432	488869.6	3857150.76	20.6634	6.59074	47.757	4.97137	3.38E+00	5.11E+00	9.26E+00	3.66E-01	1.81E+01	3.33E+00	2.21E-04	1.02E-01	1.07E-02	3.44E+00	4.04E+00	5.11E+00	9.26E+00	3.66E-01	1.88E+01
433	488919.6	3857150.76	20.3363	6.49111	49.719	5.04566	3.33E+00	5.04E+00	9.64E+00	3.71E-01	1.84E+01	3.28E+00	2.18E-04	1.06E-01	1.09E-02	3.39E+00	3.98E+00	5.04E+00	9.64E+00	3.71E-01	1.90E+01
434	488969.6	3857150.76	20.0143	6.35572	49.148	5.04543	3.27E+00	4.93E+00	9.53E+00	3.71E-01	1.81E+01	3.22E+00	2.13E-04	1.04E-01	1.09E-02	3.34E+00	3.92E+00	4.93E+00	9.53E+00	3.71E-01	1.87E+01
435	488819.6	3857200.76	21.2338	6.81698	49.127	4.99231	3.47E+00	5.29E+00	9.53E+00	3.68E-01	1.87E+01	3.42E+00	2.29E-04	1.04E-01	1.07E-02	3.54E+00	4.16E+00	5.29E+00	9.53E+00	3.68E-01	1.93E+01
436	488869.6	3857200.76	20.8752	6.80605	50.903	5.0644	3.41E+00	5.28E+00	9.87E+00	3.73E-01	1.89E+01	3.36E+00	2.29E-04	1.08E-01	1.09E-02	3.48E+00	4.08E+00	5.28E+00	9.87E+00	3.73E-01	1.96E+01
437	488919.6	3857200.76	20.5402	6.68506	50.316	5.06426	3.36E+00	5.19E+00	9.76E+00	3.73E-01	1.87E+01	3.31E+00	2.25E-04	1.07E-01	1.09E-02	3.43E+00	4.02E+00	5.19E+00	9.76E+00	3.73E-01	1.93E+01
438	488969.6	3857200.76	20.2304	6.5264	47.314	5.04524	3.31E+00	5.06E+00	9.17E+00	3.71E-01	1.79E+01	3.26E+00	2.19E-04	1.01E-01	1.09E-02	3.37E+00	3.96E+00	5.06E+00	9.17E+00	3.71E-01	1.86E+01
439	488819.6	3857250.76	21.5264	7.02514	52.048	5.0866	3.52E+00	5.45E+00	1.01E+01	3.74E-01	1.94E+01	3.47E+00	2.36E-04	1.11E-01	1.10E-02	3.59E+00	4.21E+00	5.45E+00	1.01E+01	3.74E-01	2.01E+01
440	488869.6	3857250.76	21.1156	6.97445	51.461	5.09804	3.45E+00	5.41E+00	9.98E+00	3.75E-01	1.92E+01	3.40E+00	2.34E-04	1.09E-01	1.10E-02	3.52E+00	4.13E+00	5.41E+00	9.98E+00	3.75E-01	1.99E+01
441	488919.6	3857250.76	20.7611	6.83292	48.142	5.14063	3.40E+00	5.30E+00	9.34E+00	3.78E-01	1.84E+01	3.35E+00	2.30E-04	1.02E-01	1.11E-02	3.46E+00	4.06E+00	5.30E+00	9.34E+00	3.78E-01	1.91E+01
442	488969.6	3857250.76	20.4427	6.70752	45.203	5.11408	3.34E+00	5.20E+00	8.77E+00	3.77E-01	1.77E+01	3.29E+00	2.25E-04	9.61E-02	1.10E-02	3.40E+00	4.00E+00	5.20E+00	8.77E+00	3.77E-01	1.83E+01
443	488819.6	3857300.76	21.9889	7.25481	52.539	5.10144	3.60E+00	5.63E+00	1.02E+01	3.76E-01	1.98E+01	3.54E+00	2.44E-04	1.12E-01	1.10E-02	3.67E+00	4.30E+00	5.63E+00	1.02E+01	3.76E-01	2.05E+01
444	488869.6	3857300.76	21.5846	7.1699	48.864	5.18456	3.53E+00	5.56E+00	9.47E+00	3.82E-01	1.89E+01	3.48E+00	2.41E-04	1.04E-01	1.12E-02	3.59E+00	4.22E+00	5.56E+00	9.47E+00	3.82E-01	1.96E+01
445	488919.6	3857300.76	21.179	7.03196	46.23	5.15924	3.46E+00	5.45E+00	8.96E+00	3.80E-01	1.83E+01	3.41E+00	2.36E-04	9.83E-02	1.11E-02	3.52E+00	4.14E+00	5.45E+00	8.96E+00	3.80E-01	1.89E+01
446	488819.6	3857450.76	23.1731	7.85359	50.025	4.94692	3.79E+00	6.09E+00	9.70E+00	3.64E-01	1.99E+01	3.73E+00	2.64E-04	1.06E-01	1.06E-02	3.85E+00	4.53E+00	6.09E+00	9.70E+00	3.64E-01	2.07E+01
447	488869.6	3857450.76	22.8135	7.66467	47.427	4.71241	3.73E+00	5.95E+00	9.20E+00	3.47E-01	1.92E+01	3.68E+00	2.57E-04	1.01E-01	1.01E-02	3.79E+00	4.46E+00	5.95E+00	9.20E+00	3.47E-01	2.00E+01
448	488919.6	3857450.76	22.4161	7.64587	43.063	4.45245	3.67E+00	5.93E+00	8.35E+00	3.28E-01	1.83E+01	3.61E+00	2.57E-04	9.16E-02	9.59E-03	3.71E+00	4.39E+00	5.93E+00	8.35E+00	3.28E-01	1.90E+01
449	488819.6	3857500.76	23.6316	7.99992	48.688	4.70938	3.87E+00	6.21E+00	9.44E+00	3.47E-01	1.99E+01	3.81E+00	2.69E-04	1.04E-01	1.01E-02	3.92E+00	4.62E+00	6.21E+00	9.44E+00	3.47E-01	2.06E+01
450	488869.6	3857500.76	23.2125	7.86176	45.185	4.39078	3.80E+00	6.10E+00	8.76E+00	3.23E-01	1.90E+01	3.74E+00	2.64E-04	9.61E-02	9.45E-03	3.85E+00	4.54E+00	6.10E+00	8.76E+00	3.23E-01	1.97E+01
451	488919.6	3857500.76	22.8056	7.9241	49.253	4.43996	3.73E+00	6.15E+00	9.55E+00	3.27E-01	1.98E+01	3.67E+00	2.66E-04	1.05E-01	9.56E-03	3.79E+00	4.46E+00	6.15E+00	9.55E+00	3.27E-01	2.05E+01
452	488819.6	3857550.76	24.1984	8.17344	51.664	4.49726	3.96E+00	6.34E+00	1.00E+01	3.31E-01	2.06E+01	3.90E+00	2.75E-04	1.10E-01	9.68E-03	4.02E+00	4.74E+00	6.34E+00	1.00E+01	3.31E-01	2.14E+01
453	488869.6	3857550.76	23.6665	8.04444	57.124	4.58684	3.87E+00	6.24E+00	1.11E+01	3.38E-01	2.15E+01	3.81E+00	2.70E-04	1.21E-01	9.87E-03	3.95E+00	4.63E+00	6.24E+00	1.11E+01	3.38E-01	2.23E+01
454	488919.6	3857550.76	23.2043	8.25023	61.256	4.78034	3.80E+00	6.40E+00	1.19E+01	3.52E-01	2.24E+01	3.74E+00	2.77E-04	1.30E-01	1.03E-02	3.88E+00	4.54E+00	6.40E+00	1.19E+01	3.52E-01	2.32E+01
455	489663.71	3860900.05	14.9531	21.9542	13.23	8.08227	2.45E+00	1.70E+01	2.57E+00	5.95E-01	2.26E+01	2.41E+00	7.37E-04	2.81E-02	1.74E-02	2.46E+00	2.93E+00	1.70E+01	2.57E+00	5.95E-01	2.31E+01
456	489813.71	3860900.05	14.5968	19.154	13.879	7.13247	2.39E+00	1.49E+01	2.69E+00	5.25E-01	2.05E+01	2.35E+00	6.43E-04	2.95E-02	1.54E-02	2.40E+00	2.86E+00	1.49E+01	2.69E+00	5.25E-01	2.09E+01
457	489863.71	3860900.05	14.2887	18.1956	14.209	7.1597	2.34E+00	1.41E+01	2.76E+00	5.27E-01	1.97E+01	2.30E+00	6.11E-04	3.02E-02	1.54E-02	2.35E+00	2.80E+00	1.41E+01	2.76E+00	5.27E-01	2.02E+01
458	489913.71	3860900.05	13.9911	17.375	14.51	7.18089	2.29E+00	1.35E+01	2.81E+00	5.29E-01	1.91E+01	2.25E+00	5.84E-04	3.09E-02	1.55E-02	2.30E+00	2.74E+00	1.35E+01	2.81E+00	5.29E-01	1.96E+01
459	489963.71	3860900.05	13.656	16.7037	14.712	7.20794	2.23E+00	1.30E+01	2.85E+00	5.31E-01	1.86E+01	2.20E+00	5.61E-04	3.13E-02	1.55E-02	2.25E+00	2.67E+00	1.30E+01	2.85E+00	5.31E-01	1.90E+01
460	490013.71	3860900.05	13.7296	16.1174	15.088	7.30899	2.25E+00	1.25E+01	2.93E+00	5.38E-01	1.82E+01	2.21E+00	5.41E-04	3.21E-02	1.57E-02	2.26E+00	2.69E+00	1.25E+01	2.93E+00	5.38E-01	1.87E+01
461	490063.71	3860900.05	13.7908	15.5287	15.586	7.31926	2.26E+00	1.20E+01	3.02E+00	5.39E-01	1.79E+01	2.22E+00	5.22E-04	3.31E-02	1.58E-02	2.27E+00	2.70E+00	1.20E+01	3.02E+00	5.39E-01	1.83E+01
462	489663.71	3860950.05	14.7382	22.2438	13.202	8.30458	2.41E+00	1.73E+01	2.56E+00	6.11E-01	2.28E+01	2.37E+00	7.47E-04	2.81E-02	1.79E-02	2.42E+00	2.88E+00	1.73E+01	2.56E+00	6.11E-01	2.33E+01
463	489813.71	3860950.05	14.6009	19.7982	13.525	7.09852	2.39E+00	1.54E+01	2.62E+00	5.23E-01	2.09E+01	2.35E+00	6.65E-04	2.88E-02	1.53E-02	2.40E+00	2.86E+00	1.54E+01	2.62E+00	5.23E-01	2.14E+01
464	489863.71	3860950.05	14.3793	18.9117	13.879	6.97737	2.35E+00	1.47E+01	2.69E+00	5.14E-01	2.02E+01	2.32E+00	6.35E-04	2.95E-02	1.50E-02	2.36E+00	2.81E+00	1.47E+01	2.69E+00	5.14E-01	2.07E+01
465	489913.71	3860950.05	14.0824	18.0727	14.203	7.03608	2.30E+00	1.40E+01	2.75E+00	5.18E-01	1.96E+01	2.27E+00	6.07E-04	3.02E-02	1.51E-02	2.32E+00	2.76E+00	1.40E+01	2.75E+00	5.18E-01	2.00E+01
466	489963.71	3860950.05	13.7778	17.2195	14.448	7.02449	2.25E+00	1.34E+01	2.80E+00	5.17E-01	1.89E+01	2.22E+00	5.78E-04	3.07E-02	1.51E-02	2.27E+00	2.70E+00	1.34E+01	2.80E+00	5.17E-01	1.94E+01
467	490013.71	3860950.05	13.4917	16.5727	14.693	7.03132	2.21E+00	1.29E+01	2.85E+00	5.18E-01	1.84E+01	2.17E+00	5.57E-04	3.12E-02	1.51E-02	2.22E+00	2.64E+00	1.29E+01	2.85E+00	5.18E-01	1.89E+01
468	490063.71	3860950.05	13.5472	16.0065	15.132	7.07196	2.22E+00	1.24E+01	2.93E+00	5.21E-01	1.81E+01	2.18E+00	5.38E-04	3.22E-02	1.52E-02	2.23E+00	2.65E+00	1.24E+01	2.93E+00	5.21E-01	1.85E+01
469	489513.71	3861000.05	13.8988	23.2479	12.861	8.25896	2.27E+00	1.80E+01	2.49E+00	6.08E-01	2.34E+01	2.24E+00	7.81E-04	2.73E-02	1.78E-02	2.29E+00	2.72E+00	1.80E+01	2.49E+00	6.08E-01	2.39E+01
470	489563.71	3861000.05	13.9605	22.9388	13.083	8.18921	2.28E+00	1.78E+01	2.54E+00	6.03E-01	2.32E+01	2.25E+00	7.71E-04	2.78E-02	1.76E-02	2.30E+00	2.73E+00	1.78E+01	2.54E+00	6.03E-01	2.37E+01
471	489613.71	3861000.05	14.1735	22.7379	13.187	8.2305	2.32E+00	1.76E+01	2.56E+00	6.06E-01	2.31E+01	2.28E+00	7.64E-04	2.80E-02	1.77E-02	2.33E+00	2.77E+00	1.76E+01	2.56E+00	6.06E-01	2.36E+01
472	489663.71	3861000.05	14.466	22.2597	13.144	8.30877	2.37E+00	1.73E+01	2.55E+00	6.12E-01	2.28E+01	2.33E+00	7.48E-04	2.79E-02	1.79E-02	2.38E+00	2.83E+00	1.73E+01	2.55E+00	6.12E-01	2.33E+01
473	489713.71	3861000.05	14.5874	21.6955	12.964	8.16546	2.39E+00	1.68E+01	2.51E+00	6.01E-01	2.23E+01	2.35E+00	7.29E-04	2.76E-02	1.76E-02	2.40E+00	2.85E+00	1.68E+01	2.51E+00	6.01E-01	2.28E+01
474	489763.71	3861000.05	14.6393	21.038	12.988	7.90539	2.39E+00	1.63E+01	2.52E+00	5.82E-01	2.18E+01	2.36E+00	7.07E-04	2.76E-02	1.70E-02	2.40E+00	2.86E+00	1.63E+01	2.52E+00	5.82E-01	2.23E+01
475	489813.71	3861000.05	14.545	20.2835	13.223	7.54244	2.38E+00	1.57E+01	2.56E+00	5.55E-01	2.12E+01	2.34E+00	6.81E-04	2.81E-02	1.62E-02	2.39E+00	2.85E+00	1.57E+01	2.56E+00	5.55E-01	2.17E+01
476	489863.71	3861000.05	14.4005	19.4659	13.545	7.07015	2.36E+00	1.51E+01	2.63E+00	5.21E-01	2.06E+01	2.32E+00	6.54E-04	2.88E-02	1.52E-02	2.37E+00	2.82E+00	1.51E+01	2.63E+00	5.21E-01	2.11E+01
477	489913.71	3861000.05	14.2025	18.7272	13.896	6.87732	2.32E+00	1.45E+01	2.69E+00	5.06E-01	2.01E+01	2.29E+00	6.29E-04	2.95E-02	1.48E-02	2.33E+00	2.78E+00	1.45E+01	2.69E+00	5.06E-01	2.05E+01
478	489963.71	3861000.05	13.8577	17.9018	14.165	6.89558	2.27E+00	1.39E+01	2.75E+00	5.08E-01	1.94E+01	2.23E+00	6.01E-04	3.01E-02	1.48E-02	2.28E+00	2.71E+00	1.39E+01	2.75E+00	5.08E-01	1.99E+01
479	490013.71	3861000.05	13.5861	17.1222	14.394	6.90251	2.22E+00	1.33E+01	2.79E+00	5.08E-01	1.88E+01	2.19E+00	5.75E-04	3.06E-02	1.49E-02	2.24E+00	2.66E+00	1.33E+01	2.79E+00	5.08E-01	1.92E+01
480	490063.71	3861000.05	13.3273	16.4481	14.69	6.88694	2.18E+00	1.28E+01	2.85E+00	5.07E-01	1.83E+01	2.15E+00	5.53E-04	3.12E-02	1.48E-02	2.19E+00	2.61E+00	1.28E+01	2.85E+00	5.07E-01	1.87E+01
481	489513.71	3861050.05	13.6059	22.6624	12.582	8.24423	2.23E+00	1.76E+01	2.44E+00	6.07E-01	2.29E+01	2.19E+00	7.61E-04	2.68E-02	1.77E-02	2.24E+00	2.66E+00	1.76E+01	2.44E+00	6.07E-01	2.33E+01
482	489563.71	3861050.05	13.7737	22.5773	12.862	8.08403	2.25E+00	1.75E+01	2.49E+00	5.95E-01	2.29E+01	2.22E+00	7.58E-04	2.73E-02	1.74E-02	2.26E+00	2.70E+00	1.75E+01	2.49E+00	5.95E-01	2.33E+01
483	489613.71	3861050.05	13.8374	22.3742	13.046	8.05371	2.26E+00	1.74E+01	2.53E+00	5.93E-01	2.27E+01	2.23E+00	7.52E-04	2.77E-02	1.73E-02	2.28E+00	2.71E+00	1.74E+01	2.53E+00	5.93E-01	2.32E+01
484	489663.71	3861050.05	14.1013	22.1136	13.044	8.09635	2.31E+00	1.72E+01	2.53E+00	5.96E-01	2.26E+01	2.27E+00	7.43E-04	2.77E-02	1.74E-02	2.32E+00	2.76E+00	1.72E+01	2.53E+00	5.96E-01	2.30E+01

485	489713.71	3861050.05	14.3383	21.6812	12.928	8.14444	2.35E+00	1.68E+01	2.51E+00	6.00E-01	2.23E+01	2.31E+00	7.28E-04	2.75E-02	1.75E-02	2.36E+00	2.81E+00	1.68E+01	2.51E+00	6.00E-01	2.27E+01
486	489763.71	3861050.05	14.4503	21.1812	12.716	8.04108	2.36E+00	1.64E+01	2.47E+00	5.92E-01	2.19E+01	2.33E+00	7.12E-04	2.70E-02	1.73E-02	2.37E+00	2.83E+00	1.64E+01	2.47E+00	5.92E-01	2.23E+01
487	489813.71	3861050.05	14.4805	20.6203	12.963	7.83768	2.37E+00	1.60E+01	2.51E+00	5.77E-01	2.15E+01	2.33E+00	6.93E-04	2.76E-02	1.69E-02	2.38E+00	2.83E+00	1.60E+01	2.51E+00	5.77E-01	2.19E+01
488	489863.71	3861050.05	14.3511	19.9094	13.202	7.47071	2.35E+00	1.54E+01	2.56E+00	5.50E-01	2.09E+01	2.31E+00	6.69E-04	2.81E-02	1.61E-02	2.36E+00	2.81E+00	1.54E+01	2.56E+00	5.50E-01	2.14E+01
489	489913.71	3861050.05	14.216	19.15	13.564	7.05447	2.33E+00	1.49E+01	2.63E+00	5.19E-01	2.03E+01	2.29E+00	6.43E-04	2.88E-02	1.52E-02	2.34E+00	2.78E+00	1.49E+01	2.63E+00	5.19E-01	2.08E+01
490	489963.71	3861050.05	13.9896	18.4717	13.871	6.84157	2.29E+00	1.43E+01	2.69E+00	5.04E-01	1.98E+01	2.25E+00	6.20E-04	2.95E-02	1.47E-02	2.30E+00	2.74E+00	1.43E+01	2.69E+00	5.04E-01	2.03E+01
491	490013.71	3861050.05	13.6714	17.766	14.139	6.79305	2.24E+00	1.38E+01	2.74E+00	5.00E-01	1.93E+01	2.20E+00	5.97E-04	3.01E-02	1.46E-02	2.25E+00	2.68E+00	1.38E+01	2.74E+00	5.00E-01	1.97E+01
492	490063.71	3861050.05	13.3875	17.0131	14.396	6.78898	2.19E+00	1.32E+01	2.79E+00	5.00E-01	1.87E+01	2.16E+00	5.71E-04	3.06E-02	1.46E-02	2.20E+00	2.62E+00	1.32E+01	2.79E+00	5.00E-01	1.91E+01
493	489513.71	3861100.05	13.3509	22.0262	12.309	8.53458	2.18E+00	1.71E+01	2.39E+00	6.28E-01	2.23E+01	2.15E+00	7.40E-04	2.62E-02	1.84E-02	2.20E+00	2.61E+00	1.71E+01	2.39E+00	6.28E-01	2.27E+01
494	489563.71	3861100.05	13.5044	22.0033	12.608	8.05695	2.21E+00	1.71E+01	2.44E+00	5.93E-01	2.23E+01	2.18E+00	7.39E-04	2.68E-02	1.73E-02	2.22E+00	2.64E+00	1.71E+01	2.44E+00	5.93E-01	2.27E+01
495	489613.71	3861100.05	13.5945	21.875	12.778	7.84287	2.22E+00	1.70E+01	2.48E+00	5.77E-01	2.22E+01	2.19E+00	7.35E-04	2.72E-02	1.69E-02	2.24E+00	2.66E+00	1.70E+01	2.48E+00	5.77E-01	2.27E+01
496	489663.71	3861100.05	13.6527	21.6626	12.871	7.75917	2.23E+00	1.68E+01	2.50E+00	5.71E-01	2.21E+01	2.20E+00	7.28E-04	2.74E-02	1.67E-02	2.24E+00	2.67E+00	1.68E+01	2.50E+00	5.71E-01	2.25E+01
497	489713.71	3861100.05	13.9876	21.4641	12.84	7.92492	2.29E+00	1.66E+01	2.49E+00	5.83E-01	2.20E+01	2.25E+00	7.21E-04	2.73E-02	1.71E-02	2.30E+00	2.74E+00	1.67E+01	2.49E+00	5.83E-01	2.25E+01
498	489763.71	3861100.05	14.2017	21.1324	12.692	7.99149	2.32E+00	1.64E+01	2.46E+00	5.88E-01	2.18E+01	2.29E+00	7.10E-04	2.70E-02	1.72E-02	2.33E+00	2.78E+00	1.64E+01	2.46E+00	5.88E-01	2.22E+01
499	489813.71	3861100.05	14.3024	20.6742	12.674	7.91637	2.34E+00	1.60E+01	2.46E+00	5.83E-01	2.14E+01	2.30E+00	6.94E-04	2.69E-02	1.70E-02	2.35E+00	2.80E+00	1.60E+01	2.46E+00	5.83E-01	2.19E+01
500	489863.71	3861100.05	14.3101	20.1947	12.91	7.75756	2.34E+00	1.57E+01	2.50E+00	5.71E-01	2.11E+01	2.31E+00	6.78E-04	2.74E-02	1.67E-02	2.35E+00	2.80E+00	1.57E+01	2.50E+00	5.71E-01	2.15E+01
501	489913.71	3861100.05	14.1727	19.5575	13.23	7.41416	2.32E+00	1.52E+01	2.57E+00	5.46E-01	2.06E+01	2.28E+00	6.57E-04	2.81E-02	1.60E-02	2.33E+00	2.77E+00	1.52E+01	2.57E+00	5.46E-01	2.11E+01
502	489963.71	3861100.05	14.0175	18.8288	13.565	7.0244	2.29E+00	1.46E+01	2.63E+00	5.17E-01	2.00E+01	2.26E+00	6.32E-04	2.88E-02	1.51E-02	2.30E+00	2.74E+00	1.46E+01	2.63E+00	5.17E-01	2.05E+01
503	490013.71	3861100.05	13.7725	18.2075	13.837	6.80861	2.25E+00	1.41E+01	2.68E+00	5.01E-01	1.96E+01	2.22E+00	6.12E-04	2.94E-02	1.47E-02	2.26E+00	2.69E+00	1.41E+01	2.68E+00	5.01E-01	2.00E+01
504	490063.71	3861100.05	13.4495	17.5558	14.066	6.69652	2.20E+00	1.36E+01	2.73E+00	4.93E-01	1.90E+01	2.17E+00	5.90E-04	2.99E-02	1.44E-02	2.21E+00	2.63E+00	1.36E+01	2.73E+00	4.93E-01	1.95E+01
505	489713.71	3861150.05	13.5642	21.0959	12.724	7.63584	2.22E+00	1.64E+01	2.47E+00	5.62E-01	2.16E+01	2.19E+00	7.09E-04	2.71E-02	1.64E-02	2.23E+00	2.65E+00	1.64E+01	2.47E+00	5.62E-01	2.20E+01
506	489763.71	3861150.05	13.895	20.9077	12.645	7.80831	2.27E+00	1.62E+01	2.45E+00	5.75E-01	2.15E+01	2.24E+00	7.02E-04	2.69E-02	1.68E-02	2.28E+00	2.72E+00	1.62E+01	2.45E+00	5.75E-01	2.20E+01
507	489813.71	3861150.05	14.0816	20.6496	12.461	7.88111	2.30E+00	1.60E+01	2.42E+00	5.80E-01	2.13E+01	2.27E+00	6.94E-04	2.65E-02	1.70E-02	2.31E+00	2.76E+00	1.60E+01	2.42E+00	5.80E-01	2.18E+01
508	489863.71	3861150.05	14.1527	20.1902	12.643	7.80396	2.31E+00	1.57E+01	2.45E+00	5.75E-01	2.10E+01	2.28E+00	6.78E-04	2.69E-02	1.68E-02	2.32E+00	2.77E+00	1.57E+01	2.45E+00	5.75E-01	2.15E+01
509	489913.71	3861150.05	14.0997	19.7171	12.885	7.62452	2.31E+00	1.53E+01	2.50E+00	5.61E-01	2.07E+01	2.27E+00	6.62E-04	2.74E-02	1.64E-02	2.32E+00	2.76E+00	1.53E+01	2.50E+00	5.61E-01	2.11E+01
510	489963.71	3861150.05	13.9754	19.1804	13.232	7.33274	2.29E+00	1.49E+01	2.57E+00	5.40E-01	2.03E+01	2.25E+00	6.44E-04	2.81E-02	1.58E-02	2.30E+00	2.73E+00	1.49E+01	2.57E+00	5.40E-01	2.07E+01
511	490013.71	3861150.05	13.7921	18.5215	13.532	6.96884	2.26E+00	1.44E+01	2.62E+00	5.13E-01	1.98E+01	2.22E+00	6.22E-04	2.88E-02	1.50E-02	2.27E+00	2.70E+00	1.44E+01	2.62E+00	5.13E-01	2.02E+01
512	490063.71	3861150.05	13.5493	17.9385	13.795	6.77862	2.22E+00	1.39E+01	2.67E+00	4.99E-01	1.93E+01	2.18E+00	6.03E-04	2.93E-02	1.46E-02	2.23E+00	2.65E+00	1.39E+01	2.67E+00	4.99E-01	1.97E+01
513	489613.71	3861200.05	13.0076	20.6574	12.263	7.77471	2.13E+00	1.60E+01	2.38E+00	5.72E-01	2.11E+01	2.10E+00	6.94E-04	2.61E-02	1.67E-02	2.14E+00	2.55E+00	1.60E+01	2.38E+00	5.72E-01	2.15E+01
514	489663.71	3861200.05	13.2104	20.7079	12.479	7.58999	2.16E+00	1.61E+01	2.42E+00	5.59E-01	2.12E+01	2.13E+00	6.96E-04	2.65E-02	1.63E-02	2.17E+00	2.59E+00	1.61E+01	2.42E+00	5.59E-01	2.16E+01
515	489713.71	3861200.05	13.2803	20.7219	12.578	7.48018	2.17E+00	1.61E+01	2.44E+00	5.51E-01	2.12E+01	2.14E+00	6.96E-04	2.67E-02	1.61E-02	2.18E+00	2.60E+00	1.61E+01	2.44E+00	5.51E-01	2.17E+01
516	489763.71	3861200.05	13.505	20.5772	12.559	7.55108	2.21E+00	1.60E+01	2.44E+00	5.56E-01	2.12E+01	2.18E+00	6.91E-04	2.67E-02	1.63E-02	2.22E+00	2.64E+00	1.60E+01	2.44E+00	5.56E-01	2.16E+01
517	489813.71	3861200.05	13.8007	20.3893	12.435	7.70803	2.26E+00	1.58E+01	2.41E+00	5.67E-01	2.11E+01	2.22E+00	6.85E-04	2.64E-02	1.66E-02	2.27E+00	2.70E+00	1.58E+01	2.41E+00	5.67E-01	2.15E+01
518	489863.71	3861200.05	13.9574	20.1893	12.372	7.78134	2.28E+00	1.57E+01	2.40E+00	5.73E-01	2.09E+01	2.25E+00	6.78E-04	2.63E-02	1.68E-02	2.29E+00	2.73E+00	1.57E+01	2.40E+00	5.73E-01	2.14E+01
519	489913.71	3861200.05	13.9989	19.7618	12.591	7.70117	2.29E+00	1.53E+01	2.44E+00	5.67E-01	2.06E+01	2.26E+00	6.64E-04	2.68E-02	1.66E-02	2.30E+00	2.74E+00	1.53E+01	2.44E+00	5.67E-01	2.11E+01
520	489963.71	3861200.05	13.9067	19.3028	12.908	7.52331	2.27E+00	1.50E+01	2.50E+00	5.54E-01	2.03E+01	2.24E+00	6.48E-04	2.74E-02	1.62E-02	2.29E+00	2.72E+00	1.50E+01	2.50E+00	5.54E-01	2.08E+01
521	490013.71	3861200.05	13.7978	18.837	13.236	7.27723	2.26E+00	1.46E+01	2.57E+00	5.36E-01	2.00E+01	2.22E+00	6.33E-04	2.81E-02	1.57E-02	2.27E+00	2.70E+00	1.46E+01	2.57E+00	5.36E-01	2.04E+01
522	490063.71	3861200.05	13.5906	18.2544	13.51	6.94609	2.22E+00	1.42E+01	2.62E+00	5.11E-01	1.95E+01	2.19E+00	6.13E-04	2.87E-02	1.50E-02	2.23E+00	2.66E+00	1.42E+01	2.62E+00	5.11E-01	2.00E+01
523	489513.71	3861250.05	12.8324	19.7333	11.474	8.21145	2.10E+00	1.53E+01	2.22E+00	6.05E-01	2.02E+01	2.07E+00	6.63E-04	2.44E-02	1.77E-02	2.11E+00	2.51E+00	1.53E+01	2.22E+00	6.05E-01	2.06E+01
524	489563.71	3861250.05	12.8051	19.8462	11.692	8.17852	2.09E+00	1.54E+01	2.27E+00	6.02E-01	2.04E+01	2.06E+00	6.67E-04	2.49E-02	1.76E-02	2.11E+00	2.51E+00	1.54E+01	2.27E+00	6.02E-01	2.08E+01
525	489613.71	3861250.05	12.7872	20.0611	11.994	7.94477	2.09E+00	1.56E+01	2.33E+00	5.85E-01	2.06E+01	2.06E+00	6.74E-04	2.55E-02	1.71E-02	2.10E+00	2.50E+00	1.56E+01	2.33E+00	5.85E-01	2.10E+01
526	489663.71	3861250.05	12.9249	20.15	12.253	7.59987	2.11E+00	1.56E+01	2.38E+00	5.60E-01	2.07E+01	2.08E+00	6.77E-04	2.61E-02	1.64E-02	2.13E+00	2.53E+00	1.56E+01	2.38E+00	5.60E-01	2.11E+01
527	489713.71	3861250.05	13.0927	20.1851	12.406	7.4254	2.14E+00	1.57E+01	2.41E+00	5.47E-01	2.08E+01	2.11E+00	6.78E-04	2.64E-02	1.60E-02	2.15E+00	2.56E+00	1.57E+01	2.41E+00	5.47E-01	2.12E+01
528	489763.71	3861250.05	13.1421	20.2139	12.446	7.32078	2.15E+00	1.57E+01	2.41E+00	5.39E-01	2.08E+01	2.12E+00	6.79E-04	2.65E-02	1.58E-02	2.16E+00	2.57E+00	1.57E+01	2.41E+00	5.39E-01	2.12E+01
529	489813.71	3861250.05	13.4415	20.0933	12.378	7.47659	2.20E+00	1.56E+01	2.40E+00	5.50E-01	2.07E+01	2.17E+00	6.75E-04	2.63E-02	1.61E-02	2.21E+00	2.63E+00	1.56E+01	2.40E+00	5.50E-01	2.12E+01
530	489863.71	3861250.05	13.6978	19.8902	12.208	7.61177	2.24E+00	1.54E+01	2.37E+00	5.60E-01	2.06E+01	2.21E+00	6.68E-04	2.60E-02	1.64E-02	2.25E+00	2.68E+00	1.54E+01	2.37E+00	5.60E-01	2.10E+01
531	489913.71	3861250.05	13.8101	19.7231	12.342	7.66932	2.26E+00	1.53E+01	2.39E+00	5.65E-01	2.05E+01	2.23E+00	6.63E-04	2.62E-02	1.65E-02	2.27E+00	2.70E+00	1.53E+01	2.39E+00	5.65E-01	2.10E+01
532	489963.71	3861250.05	13.8422	19.3648	12.588	7.60659	2.26E+00	1.50E+01	2.44E+00	5.60E-01	2.03E+01	2.23E+00	6.50E-04	2.68E-02	1.64E-02	2.27E+00	2.71E+00	1.50E+01	2.44E+00	5.60E-01	2.07E+01
533	490013.71	3861250.05	13.7289	18.9299	12.931	7.449	2.25E+00	1.47E+01	2.51E+00	5.48E-01	2.00E+01	2.21E+00	6.36E-04	2.75E-02	1.60E-02	2.26E+00	2.69E+00	1.47E+01	2.51E+00	5.48E-01	2.04E+01
534	490063.71	3861250.05	13.6066	18.4756	13.218	7.20442	2.23E+00	1.43E+01	2.56E+00	5.30E-01	1.97E+01	2.19E+00	6.21E-04	2.81E-02	1.55E-02	2.24E+00	2.66E+00	1.43E+01	2.56E+00	5.30E-01	2.01E+01
535	489528.13	3861308.47	12.7312	19.2316	11.278	7.92495	2.08E+00	1.49E+01	2.19E+00	5.83E-01	1.98E+01	2.05E+00	6.46E-04	2.40E-02	1.71E-02	2.09E+00	2.49E+00	1.49E+01	2.19E+00	5.83E-01	2.02E+01
536	489578.13	3861308.47	12.6474	19.2101	11.5	7.98997	2.07E+00	1.49E+01	2.23E+00	5.88E-01	1.98E+01	2.04E+00	6.45E-04	2.45E-02	1.72E-02	2.08E+00	2.47E+00	1.49E+01	2.23E+00	5.88E-01	2.02E+01
537	489628.13	3861308.47	12.6066	19.2929	11.735	7.87733	2.06E+00	1.50E+01	2.28E+00	5.80E-01	1.99E+01	2.03E+00	6.48E-04	2.50E-02	1.70E-02	2.07E+00	2.47E+00	1.50E+01	2.28E+00	5.80E-01	2.03E+01
538	489678.13	3861308.47	12.6301	19.4917	12.031	7.60812	2.07E+00	1.51E+01	2.33E+00	5.60E-01	2.01E+01	2.04E+00	6.55E-04	2.56E-02	1.64E-02	2.08E+00	2.47E+00	1.51E+01	2.33E+00	5.60E-01	2.05E+01
539	489728.13	3861308.47	12.8425	19.5938	12.215	7.37773	2.10E+00	1.52E+01	2.37E+00	5.43E-01	2.02E+01	2.07E+00	6.58E-04	2.60E-02	1.59E-02	2.11E+00	2.51E+00	1.52E+01	2.37E+00	5.43E-01	2.06E+01
540	489778.13	3861308.47	12.945	19.6081	12.281	7.21473	2.12E+00	1.52E+01	2.38E+00	5.31E-01	2.02E+01	2.09E+00	6.59E-04	2.61E-02	1.55E-02	2.13E+00	2.53E+00	1.52E+01	2.38E+00	5.31E-01	2.07E+01
541	489678.13	3861358.47	12.46	18.8581	11.767	7.6544	2.04E+00	1.46E+01	2.28E+00	5.64E-01	1.95E+01	2.01E+00	6.33E-04	2.50E-02	1.65E-02	2.05E+00	2.44E+00	1.46E+01	2.28E+00	5.64E-01	1.99E+01
542	489728.13	3861358.47	12.5363	19.0197	11.997	7.37823	2.05E+00	1.48E+01	2.33E+00	5.43E-01	1.97E+01	2.02E+00	6.39E-04	2.55E-02	1.59E-02	2.06E+00	2.45E+00	1.48E+01	2.33E+00	5.43E-01	2.01E+01
543	489528.13	3861408.47	12.462	18.3601	10.802	7.29807	2.04E+00	1.42E+01	2.09E+00	5.37E-01	1.89E+01	2.01E+00	6.17E-04	2.30E-02	1.57E-02	2.05E+00	2.44E+00	1.42E+01	2.09E+00	5.37E-01	1.93E+01
544	489578.13	3861408.47	12.4973	18.4463	11.071	7.48616	2.04E+00	1.43E+01	2.15E+00	5.51E-01	1.91E+01	2.01E+00	6.20E-04	2.35E-02	1.61E-02	2.05E+00	2.45E+00	1.43E+01	2.15E+00	5.51E-01	1.95E+01
545	489628.13	3861408.47	12.4438	18.4781	11.294	7.62185	2.04E+00	1.43E+01	2.19E+00	5.61E-01	1.91E+01	2.01E+00	6.21E-04	2.40E-02	1.64E-02	2.05E+00	2.43E+00	1.43E+01	2.19E+00	5.61E-01	1.95E+01

546	489678.13	3861408.47	12.3734	18.3933	11.494	7.58525	2.02E+00	1.43E+01	2.23E+00	5.58E-01	1.91E+01	1.99E+00	6.18E-04	2.44E-02	1.63E-02	2.04E+00	2.42E+00	1.43E+01	2.23E+00	5.58E-01	1.95E+01
547	489728.13	3861408.47	12.3301	18.4316	11.758	7.41387	2.02E+00	1.43E+01	2.28E+00	5.46E-01	1.91E+01	1.99E+00	6.19E-04	2.50E-02	1.60E-02	2.03E+00	2.41E+00	1.43E+01	2.28E+00	5.46E-01	1.95E+01
548	489528.13	3861458.47	12.2965	17.8781	10.572	6.98625	2.01E+00	1.39E+01	2.05E+00	5.14E-01	1.84E+01	1.98E+00	6.01E-04	2.25E-02	1.50E-02	2.02E+00	2.41E+00	1.39E+01	2.05E+00	5.14E-01	1.88E+01
549	489578.13	3861458.47	12.3782	18.0205	10.861	7.21154	2.02E+00	1.40E+01	2.11E+00	5.31E-01	1.86E+01	1.99E+00	6.05E-04	2.31E-02	1.55E-02	2.03E+00	2.42E+00	1.40E+01	2.11E+00	5.31E-01	1.90E+01
550	489628.13	3861458.47	12.3762	18.1028	11.085	7.36504	2.02E+00	1.40E+01	2.15E+00	5.42E-01	1.88E+01	1.99E+00	6.08E-04	2.36E-02	1.59E-02	2.03E+00	2.42E+00	1.40E+01	2.15E+00	5.42E-01	1.92E+01
551	489678.13	3861458.47	12.2609	18.0858	11.237	7.41703	2.01E+00	1.40E+01	2.18E+00	5.46E-01	1.88E+01	1.98E+00	6.08E-04	2.39E-02	1.60E-02	2.02E+00	2.40E+00	1.40E+01	2.18E+00	5.46E-01	1.92E+01
552	489728.13	3861458.47	12.1851	17.9654	11.49	7.33513	1.99E+00	1.39E+01	2.23E+00	5.40E-01	1.87E+01	1.96E+00	6.03E-04	2.44E-02	1.58E-02	2.00E+00	2.38E+00	1.39E+01	2.23E+00	5.40E-01	1.91E+01
553	489528.13	3861508.47	12.2043	17.3968	10.333	6.64872	2.00E+00	1.35E+01	2.00E+00	4.90E-01	1.80E+01	1.97E+00	5.84E-04	2.20E-02	1.43E-02	2.00E+00	2.39E+00	1.35E+01	2.00E+00	4.90E-01	1.84E+01
554	489578.13	3861508.47	12.1992	17.5313	10.63	6.89175	2.00E+00	1.36E+01	2.06E+00	5.07E-01	1.82E+01	1.97E+00	5.89E-04	2.26E-02	1.48E-02	2.00E+00	2.39E+00	1.36E+01	2.06E+00	5.07E-01	1.86E+01
555	489628.13	3861508.47	12.2592	17.6566	10.868	7.07623	2.01E+00	1.37E+01	2.11E+00	5.21E-01	1.83E+01	1.98E+00	5.93E-04	2.31E-02	1.52E-02	2.01E+00	2.40E+00	1.37E+01	2.11E+00	5.21E-01	1.87E+01
556	489678.13	3861508.47	12.2131	17.7196	11.04	7.18169	2.00E+00	1.37E+01	2.14E+00	5.29E-01	1.84E+01	1.97E+00	5.95E-04	2.35E-02	1.55E-02	2.01E+00	2.39E+00	1.37E+01	2.14E+00	5.29E-01	1.88E+01
557	489728.13	3861508.47	12.0962	17.6948	11.218	7.1963	1.98E+00	1.37E+01	2.18E+00	5.30E-01	1.84E+01	1.95E+00	5.94E-04	2.39E-02	1.55E-02	1.99E+00	2.37E+00	1.37E+01	2.18E+00	5.30E-01	1.88E+01
558	489628.13	3861558.47	12.1203	17.2102	10.667	6.79811	1.98E+00	1.33E+01	2.07E+00	5.01E-01	1.79E+01	1.95E+00	5.78E-04	2.27E-02	1.46E-02	1.99E+00	2.37E+00	1.34E+01	2.07E+00	5.01E-01	1.83E+01
559	489678.13	3861558.47	12.161	17.3542	10.88	6.97749	1.99E+00	1.35E+01	2.11E+00	5.14E-01	1.81E+01	1.96E+00	5.83E-04	2.31E-02	1.50E-02	2.00E+00	2.38E+00	1.35E+01	2.11E+00	5.14E-01	1.85E+01
560	489728.13	3861558.47	12.0828	17.4168	11.016	7.05694	1.98E+00	1.35E+01	2.14E+00	5.20E-01	1.81E+01	1.95E+00	5.85E-04	2.34E-02	1.52E-02	1.99E+00	2.36E+00	1.35E+01	2.14E+00	5.20E-01	1.85E+01
561	489357.08	3861015.81	13.5328	22.9394	11.778	9.37547	2.21E+00	1.78E+01	2.28E+00	6.90E-01	2.30E+01	2.18E+00	7.71E-04	2.50E-02	2.02E-02	2.23E+00	2.65E+00	1.78E+01	2.28E+00	6.90E-01	2.34E+01
562	489407.08	3861015.81	13.5088	22.9916	12.08	9.07773	2.21E+00	1.78E+01	2.34E+00	6.68E-01	2.31E+01	2.18E+00	7.72E-04	2.57E-02	1.95E-02	2.22E+00	2.64E+00	1.78E+01	2.34E+00	6.68E-01	2.35E+01
563	489457.08	3861015.81	13.5365	23.0481	12.301	8.54229	2.21E+00	1.79E+01	2.39E+00	6.29E-01	2.31E+01	2.18E+00	7.74E-04	2.62E-02	1.84E-02	2.23E+00	2.65E+00	1.79E+01	2.39E+00	6.29E-01	2.35E+01
564	489357.08	3861065.81	13.4614	22.0461	11.511	9.14082	2.20E+00	1.71E+01	2.23E+00	6.73E-01	2.22E+01	2.17E+00	7.41E-04	2.45E-02	1.97E-02	2.21E+00	2.63E+00	1.71E+01	2.23E+00	6.73E-01	2.26E+01
565	489407.08	3861065.81	13.3861	22.217	11.842	9.09373	2.19E+00	1.72E+01	2.30E+00	6.70E-01	2.24E+01	2.16E+00	7.46E-04	2.52E-02	1.96E-02	2.20E+00	2.62E+00	1.72E+01	2.30E+00	6.70E-01	2.28E+01
566	489457.08	3861065.81	13.35	22.3187	12.101	8.79784	2.18E+00	1.73E+01	2.35E+00	6.48E-01	2.25E+01	2.15E+00	7.50E-04	2.57E-02	1.89E-02	2.20E+00	2.61E+00	1.73E+01	2.35E+00	6.48E-01	2.29E+01
567	489357.08	3861115.81	13.3362	21.3105	11.227	8.76731	2.18E+00	1.65E+01	2.18E+00	6.45E-01	2.15E+01	2.15E+00	7.16E-04	2.39E-02	1.89E-02	2.19E+00	2.61E+00	1.65E+01	2.18E+00	6.45E-01	2.20E+01
568	489407.08	3861115.81	13.306	21.3973	11.612	8.94673	2.18E+00	1.66E+01	2.25E+00	6.59E-01	2.17E+01	2.14E+00	7.19E-04	2.47E-02	1.93E-02	2.19E+00	2.60E+00	1.66E+01	2.25E+00	6.59E-01	2.21E+01
569	489457.08	3861115.81	13.2667	21.625	11.91	8.89285	2.17E+00	1.68E+01	2.31E+00	6.55E-01	2.19E+01	2.14E+00	7.26E-04	2.53E-02	1.91E-02	2.18E+00	2.60E+00	1.68E+01	2.31E+00	6.55E-01	2.23E+01
570	489407.08	3861165.81	13.2316	20.7925	11.37	8.67616	2.16E+00	1.61E+01	2.20E+00	6.39E-01	2.11E+01	2.13E+00	6.98E-04	2.42E-02	1.87E-02	2.18E+00	2.59E+00	1.61E+01	2.20E+00	6.39E-01	2.16E+01
571	489457.08	3861165.81	13.1434	20.8227	11.675	8.7446	2.15E+00	1.62E+01	2.26E+00	6.44E-01	2.12E+01	2.12E+00	6.99E-04	2.48E-02	1.88E-02	2.16E+00	2.57E+00	1.62E+01	2.26E+00	6.44E-01	2.16E+01
572	489407.08	3861215.81	13.021	20.1883	11.031	8.18364	2.13E+00	1.57E+01	2.14E+00	6.03E-01	2.05E+01	2.10E+00	6.78E-04	2.35E-02	1.76E-02	2.14E+00	2.55E+00	1.57E+01	2.14E+00	6.03E-01	2.10E+01
573	489457.08	3861215.81	13.0239	20.1491	11.373	8.37641	2.13E+00	1.56E+01	2.21E+00	6.17E-01	2.06E+01	2.10E+00	6.77E-04	2.42E-02	1.80E-02	2.14E+00	2.55E+00	1.56E+01	2.21E+00	6.17E-01	2.10E+01
574	489407.08	3861265.81	12.7802	19.5807	10.697	7.6926	2.09E+00	1.52E+01	2.07E+00	5.66E-01	1.99E+01	2.06E+00	6.58E-04	2.27E-02	1.66E-02	2.10E+00	2.50E+00	1.52E+01	2.07E+00	5.66E-01	2.03E+01
575	489457.08	3861265.81	12.8578	19.6284	11.074	7.95971	2.10E+00	1.52E+01	2.15E+00	5.86E-01	2.01E+01	2.07E+00	6.59E-04	2.35E-02	1.71E-02	2.11E+00	2.52E+00	1.52E+01	2.15E+00	5.86E-01	2.05E+01
576	489309.86	3861110.14	13.2734	21.3357	10.813	8.49906	2.17E+00	1.66E+01	2.10E+00	6.26E-01	2.14E+01	2.14E+00	7.17E-04	2.30E-02	1.83E-02	2.18E+00	2.60E+00	1.66E+01	2.10E+00	6.26E-01	2.19E+01
577	489407.08	3861315.81	12.6566	19.0348	10.421	7.32616	2.07E+00	1.48E+01	2.02E+00	5.39E-01	1.94E+01	2.04E+00	6.39E-04	2.22E-02	1.58E-02	2.08E+00	2.48E+00	1.48E+01	2.02E+00	5.39E-01	1.98E+01
578	489457.08	3861315.81	12.686	19.1612	10.815	7.60978	2.07E+00	1.49E+01	2.10E+00	5.60E-01	1.96E+01	2.04E+00	6.44E-04	2.30E-02	1.64E-02	2.08E+00	2.48E+00	1.49E+01	2.10E+00	5.60E-01	2.00E+01
579	488906.03	3861006.75	14.8962	21.7963	10.299	6.4514	2.44E+00	1.69E+01	2.00E+00	4.75E-01	2.18E+01	2.40E+00	7.32E-04	2.19E-02	1.39E-02	2.44E+00	2.91E+00	1.69E+01	2.00E+00	4.75E-01	2.23E+01
580	488956.03	3861006.75	14.7306	22.1497	10.188	6.85266	2.41E+00	1.72E+01	1.98E+00	5.05E-01	2.21E+01	2.37E+00	7.44E-04	2.17E-02	1.48E-02	2.41E+00	2.88E+00	1.72E+01	1.98E+00	5.05E-01	2.25E+01
581	488904.24	3861051.87	15.113	21.0432	10.636	6.5576	2.47E+00	1.63E+01	2.06E+00	4.83E-01	2.13E+01	2.44E+00	7.07E-04	2.26E-02	1.41E-02	2.47E+00	2.96E+00	1.63E+01	2.06E+00	4.83E-01	2.18E+01
582	488954.24	3861051.87	14.816	21.3223	10.287	6.73173	2.42E+00	1.65E+01	1.99E+00	4.96E-01	2.15E+01	2.39E+00	7.16E-04	2.19E-02	1.45E-02	2.42E+00	2.90E+00	1.65E+01	1.99E+00	4.96E-01	2.19E+01
583	489004.24	3861051.87	14.7142	21.6705	10.228	7.13812	2.41E+00	1.68E+01	1.98E+00	5.26E-01	2.17E+01	2.37E+00	7.28E-04	2.17E-02	1.54E-02	2.41E+00	2.88E+00	1.68E+01	1.98E+00	5.26E-01	2.22E+01
584	488804.24	3861101.87	14.848	20.0851	11.461	7.28189	2.43E+00	1.56E+01	2.22E+00	5.36E-01	2.08E+01	2.39E+00	6.75E-04	2.44E-02	1.57E-02	2.43E+00	2.91E+00	1.56E+01	2.22E+00	5.36E-01	2.12E+01
585	488854.24	3861101.87	14.9819	20.155	11.134	6.78029	2.45E+00	1.56E+01	2.16E+00	4.99E-01	2.07E+01	2.41E+00	6.77E-04	2.37E-02	1.46E-02	2.45E+00	2.93E+00	1.56E+01	2.16E+00	4.99E-01	2.12E+01
586	488904.24	3861101.87	14.7985	20.0745	10.431	6.02928	2.42E+00	1.56E+01	2.02E+00	4.44E-01	2.05E+01	2.38E+00	6.74E-04	2.22E-02	1.30E-02	2.42E+00	2.90E+00	1.56E+01	2.02E+00	4.44E-01	2.09E+01
587	488954.24	3861101.87	14.6064	20.2132	10.01	6.18901	2.39E+00	1.57E+01	1.94E+00	4.56E-01	2.05E+01	2.35E+00	6.79E-04	2.13E-02	1.33E-02	2.39E+00	2.86E+00	1.57E+01	1.94E+00	4.56E-01	2.09E+01
588	489004.24	3861101.87	14.4118	20.4781	9.8612	6.42984	2.36E+00	1.59E+01	1.91E+00	4.73E-01	2.06E+01	2.32E+00	6.88E-04	2.10E-02	1.38E-02	2.36E+00	2.82E+00	1.59E+01	1.91E+00	4.73E-01	2.11E+01
589	488804.24	3861151.87	14.4164	19.2472	11.208	6.62728	2.36E+00	1.49E+01	2.17E+00	4.88E-01	1.99E+01	2.32E+00	6.47E-04	2.38E-02	1.43E-02	2.36E+00	2.82E+00	1.49E+01	2.17E+00	4.88E-01	2.04E+01
590	488854.24	3861151.87	14.5173	19.2146	10.82	6.01771	2.37E+00	1.49E+01	2.10E+00	4.43E-01	1.98E+01	2.34E+00	6.45E-04	2.30E-02	1.30E-02	2.38E+00	2.84E+00	1.49E+01	2.10E+00	4.43E-01	2.03E+01
591	489129.49	3861187.55	13.8764	19.6875	9.4505	6.55947	2.27E+00	1.53E+01	1.83E+00	4.83E-01	1.99E+01	2.24E+00	6.61E-04	2.01E-02	1.41E-02	2.27E+00	2.72E+00	1.53E+01	1.83E+00	4.83E-01	2.03E+01
592	489179.49	3861187.55	13.5895	19.9346	9.4177	6.86704	2.22E+00	1.55E+01	1.83E+00	5.06E-01	2.00E+01	2.19E+00	6.70E-04	2.00E-02	1.48E-02	2.23E+00	2.66E+00	1.55E+01	1.83E+00	5.06E-01	2.05E+01
593	488804.24	3861201.87	14.1813	18.709	11.23	6.58197	2.32E+00	1.45E+01	2.18E+00	4.85E-01	1.95E+01	2.29E+00	6.28E-04	2.39E-02	1.42E-02	2.32E+00	2.78E+00	1.45E+01	2.18E+00	4.85E-01	2.00E+01
594	488854.24	3861201.87	14.2971	18.6365	10.862	5.82688	2.34E+00	1.45E+01	2.11E+00	4.29E-01	1.93E+01	2.30E+00	6.26E-04	2.31E-02	1.25E-02	2.34E+00	2.80E+00	1.45E+01	2.11E+00	4.29E-01	1.98E+01
595	489129.49	3861237.55	13.8749	18.9222	9.4295	6.31168	2.27E+00	1.47E+01	1.83E+00	4.65E-01	1.92E+01	2.24E+00	6.36E-04	2.00E-02	1.36E-02	2.27E+00	2.72E+00	1.47E+01	1.83E+00	4.65E-01	1.97E+01
596	489179.49	3861237.55	13.6308	19.2062	9.3493	6.55023	2.23E+00	1.49E+01	1.81E+00	4.82E-01	1.94E+01	2.20E+00	6.45E-04	1.99E-02	1.41E-02	2.23E+00	2.67E+00	1.49E+01	1.81E+00	4.82E-01	1.99E+01
597	488804.24	3861251.87	13.932	18.1807	11.253	6.62361	2.28E+00	1.41E+01	2.18E+00	4.88E-01	1.91E+01	2.24E+00	6.11E-04	2.39E-02	1.43E-02	2.28E+00	2.73E+00	1.41E+01	2.18E+00	4.88E-01	1.95E+01
598	488854.24	3861251.87	14.0925	18.1595	10.931	5.7979	2.30E+00	1.41E+01	2.12E+00	4.27E-01	1.89E+01	2.27E+00	6.10E-04	2.32E-02	1.25E-02	2.31E+00	2.76E+00	1.41E+01	2.12E+00	4.27E-01	1.94E+01
599	488804.24	3861301.87	13.6173	17.6309	11.212	6.56547	2.23E+00	1.37E+01	2.17E+00	4.83E-01	1.86E+01	2.19E+00	5.92E-04	2.38E-02	1.41E-02	2.23E+00	2.66E+00	1.37E+01	2.17E+00	4.83E-01	1.90E+01
600	488854.24	3861301.87	13.8578	17.6605	10.981	5.85335	2.27E+00	1.37E+01	2.13E+00	4.31E-01	1.85E+01	2.23E+00	5.93E-04	2.33E-02	1.26E-02	2.27E+00	2.71E+00	1.37E+01	2.13E+00	4.31E-01	1.90E+01
601	490943.5	3860181.97	13.8479	10.8634	20.181	5.41823	2.26E+00	8.43E+00	3.91E+00	3.99E-01	1.50E+01	2.23E+00	3.65E-04	4.29E-02	1.17E-02	2.29E+00	2.71E+00	8.43E+00	3.91E+00	3.99E-01	1.54E+01
602	490993.5	3860181.97	13.6427	10.4991	19.988	5.345	2.23E+00	8.14E+00	3.88E+00	3.94E-01	1.46E+01	2.20E+00	3.53E-04	4.25E-02	1.15E-02	2.25E+00	2.67E+00	8.14E+00	3.88E+00	3.94E-01	1.51E+01
603	491043.5	3860181.97	13.4745	10.2109	19.771	5.27171	2.20E+00	7.92E+00	3.83E+00	3.88E-01	1.43E+01	2.17E+00	3.43E-04	4.20E-02	1.13E-02	2.22E+00	2.64E+00	7.92E+00	3.83E+00	3.88E-01	1.48E+01
604	491093.5	3860181.97	13.4468	9.91228	19.494	5.18094	2.20E+00	7.69E+00	3.78E+00	3.81E-01	1.40E+01	2.17E+00	3.33E-04	4.14E-02	1.12E-02	2.22E+00	2.63E+00	7.69E+00	3.78E+00	3.81E-01	1.45E+01
605	490943.5	3860231.97	14.0344	11.3987	20.64	5.38479	2.30E+00	8.84E+00	4.00E+00	3.96E-01	1.55E+01	2.26E+00	3.83E-04	4.39E-02	1.16E-02	2.32E+00	2.75E+00	8.84E+00	4.00E+00	3.96E-01	1.60E+01
606	490993.5	3860231.97	13.8114	11.0318	20.122	5.27812	2.26E+00	8.56E+00	3.90E+00	3.89E-01	1.51E+01	2.23E+00	3.71E-04	4.28E-02	1.14E-02	2.28E+00	2.70E+00	8.56E+00	3.90E+00	3.89E-01	1.56E+01

607	491043.5	3860231.97	13.5606	10.6411	19.72	5.10624	2.22E+00	8.25E+00	3.82E+00	3.76E-01	1.47E+01	2.19E+00	3.57E-04	4.19E-02	1.10E-02	2.24E+00	2.65E+00	8.25E+00	3.82E+00	3.76E-01	1.51E+01
608	491093.5	3860231.97	13.3693	10.2796	19.467	5.0335	2.19E+00	7.97E+00	3.77E+00	3.71E-01	1.43E+01	2.15E+00	3.45E-04	4.14E-02	1.08E-02	2.21E+00	2.62E+00	7.97E+00	3.77E+00	3.71E-01	1.47E+01
609	490943.5	3860281.97	14.0464	11.8774	21.023	5.39441	2.30E+00	9.21E+00	4.08E+00	3.97E-01	1.60E+01	2.26E+00	3.99E-04	4.47E-02	1.16E-02	2.32E+00	2.75E+00	9.21E+00	4.08E+00	3.97E-01	1.64E+01
610	490993.5	3860281.97	13.9673	11.5159	20.542	5.2827	2.28E+00	8.93E+00	3.98E+00	3.89E-01	1.56E+01	2.25E+00	3.87E-04	4.37E-02	1.14E-02	2.31E+00	2.73E+00	8.93E+00	3.98E+00	3.89E-01	1.60E+01
611	491043.5	3860281.97	13.7311	11.1552	19.933	5.11556	2.25E+00	8.65E+00	3.87E+00	3.77E-01	1.51E+01	2.21E+00	3.75E-04	4.24E-02	1.10E-02	2.27E+00	2.69E+00	8.65E+00	3.87E+00	3.77E-01	1.56E+01
612	491093.5	3860281.97	13.4607	10.79	19.414	4.94715	2.20E+00	8.37E+00	3.76E+00	3.64E-01	1.47E+01	2.17E+00	3.62E-04	4.13E-02	1.06E-02	2.22E+00	2.63E+00	8.37E+00	3.76E+00	3.64E-01	1.51E+01
613	490943.5	3860331.97	13.9399	12.296	21.31	5.34586	2.28E+00	9.54E+00	4.13E+00	3.94E-01	1.63E+01	2.25E+00	4.13E-04	4.53E-02	1.15E-02	2.30E+00	2.73E+00	9.54E+00	4.13E+00	3.94E-01	1.68E+01
614	490993.5	3860331.97	13.9374	11.9579	20.811	5.19116	2.28E+00	9.28E+00	4.04E+00	3.82E-01	1.60E+01	2.25E+00	4.02E-04	4.42E-02	1.12E-02	2.30E+00	2.73E+00	9.28E+00	4.04E+00	3.82E-01	1.64E+01
615	491043.5	3860331.97	13.8573	11.6012	20.275	5.04338	2.27E+00	9.00E+00	3.93E+00	3.71E-01	1.56E+01	2.23E+00	3.90E-04	4.31E-02	1.09E-02	2.29E+00	2.71E+00	9.00E+00	3.93E+00	3.71E-01	1.60E+01
616	491093.5	3860331.97	13.6291	11.2461	19.706	4.89951	2.23E+00	8.72E+00	3.82E+00	3.61E-01	1.51E+01	2.20E+00	3.78E-04	4.19E-02	1.05E-02	2.25E+00	2.67E+00	8.72E+00	3.82E+00	3.61E-01	1.56E+01
617	490086.72	3859935.12	15.2843	15.6279	25.378	7.90605	2.50E+00	1.21E+01	4.92E+00	5.82E-01	2.01E+01	2.46E+00	5.25E-04	5.40E-02	1.70E-02	2.53E+00	2.99E+00	1.21E+01	4.92E+00	5.82E-01	2.06E+01
618	490136.72	3859935.12	15.0206	15.1881	25.859	7.711	2.46E+00	1.18E+01	5.01E+00	5.68E-01	1.98E+01	2.42E+00	5.10E-04	5.50E-02	1.66E-02	2.49E+00	2.94E+00	1.18E+01	5.01E+00	5.68E-01	2.03E+01
619	490186.72	3859935.12	14.8487	14.7329	26.215	7.53285	2.43E+00	1.14E+01	5.08E+00	5.55E-01	1.95E+01	2.39E+00	4.95E-04	5.57E-02	1.62E-02	2.47E+00	2.91E+00	1.14E+01	5.08E+00	5.55E-01	2.00E+01
620	490236.72	3859935.12	14.8792	14.2504	26.236	7.35759	2.43E+00	1.11E+01	5.09E+00	5.42E-01	1.91E+01	2.40E+00	4.79E-04	5.58E-02	1.58E-02	2.47E+00	2.91E+00	1.11E+01	5.09E+00	5.42E-01	1.96E+01
621	490286.72	3859935.12	14.8423	13.7436	25.908	7.18398	2.43E+00	1.07E+01	5.02E+00	5.29E-01	1.86E+01	2.39E+00	4.62E-04	5.51E-02	1.55E-02	2.46E+00	2.90E+00	1.07E+01	5.02E+00	5.29E-01	1.91E+01
622	490336.72	3859935.12	14.8384	13.2526	25.312	7.01429	2.43E+00	1.03E+01	4.91E+00	5.16E-01	1.81E+01	2.39E+00	4.45E-04	5.38E-02	1.51E-02	2.46E+00	2.90E+00	1.03E+01	4.91E+00	5.16E-01	1.86E+01
623	490386.72	3859935.12	14.8135	12.7596	24.532	6.85886	2.42E+00	9.90E+00	4.76E+00	5.05E-01	1.76E+01	2.39E+00	4.29E-04	5.22E-02	1.48E-02	2.45E+00	2.90E+00	9.90E+00	4.76E+00	5.05E-01	1.81E+01
624	490436.72	3859935.12	14.7504	12.2557	24.011	6.70906	2.41E+00	9.51E+00	4.66E+00	4.94E-01	1.71E+01	2.38E+00	4.12E-04	5.11E-02	1.44E-02	2.44E+00	2.89E+00	9.51E+00	4.66E+00	4.94E-01	1.75E+01
625	490486.72	3859935.12	14.6524	11.795	23.575	6.56328	2.40E+00	9.15E+00	4.57E+00	4.83E-01	1.66E+01	2.36E+00	3.96E-04	5.01E-02	1.41E-02	2.43E+00	2.87E+00	9.15E+00	4.57E+00	4.83E-01	1.71E+01
626	490536.72	3859935.12	14.6549	11.4053	23.191	6.42386	2.40E+00	8.85E+00	4.50E+00	4.73E-01	1.62E+01	2.36E+00	3.83E-04	4.93E-02	1.38E-02	2.42E+00	2.87E+00	8.85E+00	4.50E+00	4.73E-01	1.67E+01
627	490586.72	3859935.12	14.5704	11.028	22.767	6.29102	2.38E+00	8.55E+00	4.41E+00	4.63E-01	1.58E+01	2.35E+00	3.70E-04	4.84E-02	1.35E-02	2.41E+00	2.85E+00	8.55E+00	4.41E+00	4.63E-01	1.63E+01
628	490636.72	3859935.12	14.3712	10.6877	22.502	6.15922	2.35E+00	8.29E+00	4.36E+00	4.53E-01	1.55E+01	2.32E+00	3.59E-04	4.78E-02	1.33E-02	2.38E+00	2.81E+00	8.29E+00	4.36E+00	4.53E-01	1.59E+01
629	490686.72	3859935.12	14.1812	10.543	22.547	6.04136	2.32E+00	8.18E+00	4.37E+00	4.45E-01	1.53E+01	2.29E+00	3.54E-04	4.79E-02	1.30E-02	2.35E+00	2.77E+00	8.18E+00	4.37E+00	4.45E-01	1.58E+01
630	490736.72	3859935.12	14.0267	10.2935	22.401	5.92062	2.29E+00	7.98E+00	4.34E+00	4.36E-01	1.51E+01	2.26E+00	3.46E-04	4.76E-02	1.27E-02	2.32E+00	2.74E+00	7.99E+00	4.34E+00	4.36E-01	1.55E+01
631	490086.72	3859985.12	15.5743	15.98	24.701	8.67253	2.55E+00	1.24E+01	4.79E+00	6.39E-01	2.04E+01	2.51E+00	5.37E-04	5.25E-02	1.87E-02	2.58E+00	3.05E+00	1.24E+01	4.79E+00	6.39E-01	2.09E+01
632	490136.72	3859985.12	15.2113	15.5949	25.144	8.39393	2.49E+00	1.21E+01	4.88E+00	6.18E-01	2.01E+01	2.45E+00	5.24E-04	5.35E-02	1.81E-02	2.52E+00	2.98E+00	1.21E+01	4.88E+00	6.18E-01	2.06E+01
633	490186.72	3859985.12	14.9515	15.1811	25.658	8.12044	2.45E+00	1.18E+01	4.98E+00	5.98E-01	1.98E+01	2.41E+00	5.10E-04	5.46E-02	1.75E-02	2.48E+00	2.93E+00	1.18E+01	4.98E+00	5.98E-01	2.03E+01
634	490236.72	3859985.12	14.7612	14.7631	26.082	7.85069	2.41E+00	1.15E+01	5.06E+00	5.78E-01	1.95E+01	2.38E+00	4.96E-04	5.55E-02	1.69E-02	2.45E+00	2.89E+00	1.15E+01	5.06E+00	5.78E-01	2.00E+01
635	490286.72	3859985.12	14.7953	14.3296	26.088	7.57668	2.42E+00	1.11E+01	5.06E+00	5.58E-01	1.92E+01	2.38E+00	4.81E-04	5.55E-02	1.63E-02	2.46E+00	2.90E+00	1.11E+01	5.06E+00	5.58E-01	1.96E+01
636	490336.72	3859985.12	14.7707	13.87	25.788	7.39214	2.42E+00	1.08E+01	5.00E+00	5.44E-01	1.87E+01	2.38E+00	4.66E-04	5.48E-02	1.59E-02	2.45E+00	2.89E+00	1.08E+01	5.00E+00	5.44E-01	1.92E+01
637	490386.72	3859985.12	14.7718	13.3876	25.165	7.25037	2.42E+00	1.04E+01	4.88E+00	5.34E-01	1.82E+01	2.38E+00	4.50E-04	5.35E-02	1.56E-02	2.45E+00	2.89E+00	1.04E+01	4.88E+00	5.34E-01	1.87E+01
638	490436.72	3859985.12	14.7622	12.9206	24.392	7.11046	2.41E+00	1.00E+01	4.73E+00	5.24E-01	1.77E+01	2.38E+00	4.34E-04	5.19E-02	1.53E-02	2.45E+00	2.89E+00	1.00E+01	4.73E+00	5.24E-01	1.82E+01
639	490486.72	3859985.12	14.7043	12.4514	23.777	6.97084	2.41E+00	9.66E+00	4.61E+00	5.13E-01	1.72E+01	2.37E+00	4.18E-04	5.06E-02	1.50E-02	2.44E+00	2.88E+00	9.66E+00	4.61E+00	5.13E-01	1.77E+01
640	490536.72	3859985.12	14.616	11.9696	23.437	6.83216	2.39E+00	9.28E+00	4.54E+00	5.03E-01	1.67E+01	2.36E+00	4.02E-04	4.98E-02	1.47E-02	2.42E+00	2.86E+00	9.29E+00	4.54E+00	5.03E-01	1.72E+01
641	490586.72	3859985.12	14.6181	11.5206	23.043	6.69538	2.39E+00	8.94E+00	4.47E+00	4.93E-01	1.63E+01	2.36E+00	3.87E-04	4.90E-02	1.44E-02	2.42E+00	2.86E+00	8.94E+00	4.47E+00	4.93E-01	1.68E+01
642	490636.72	3859985.12	14.555	11.1423	22.612	6.56153	2.38E+00	8.64E+00	4.38E+00	4.83E-01	1.59E+01	2.35E+00	3.74E-04	4.81E-02	1.41E-02	2.41E+00	2.85E+00	8.64E+00	4.38E+00	4.83E-01	1.64E+01
643	490686.72	3859985.12	14.4106	10.9733	22.396	6.43804	2.36E+00	8.51E+00	4.34E+00	4.74E-01	1.57E+01	2.32E+00	3.69E-04	4.76E-02	1.39E-02	2.38E+00	2.82E+00	8.51E+00	4.34E+00	4.74E-01	1.61E+01
644	490736.72	3859985.12	14.184	10.6262	22.2	6.30297	2.32E+00	8.24E+00	4.30E+00	4.64E-01	1.53E+01	2.29E+00	3.57E-04	4.72E-02	1.36E-02	2.35E+00	2.78E+00	8.24E+00	4.30E+00	4.64E-01	1.58E+01
645	490786.72	3859985.12	14.0354	10.3384	21.95	6.16877	2.30E+00	8.02E+00	4.26E+00	4.54E-01	1.50E+01	2.26E+00	3.47E-04	4.67E-02	1.33E-02	2.32E+00	2.75E+00	8.02E+00	4.26E+00	4.54E-01	1.55E+01
646	490086.72	3860035.12	15.8595	16.2437	23.946	8.42992	2.59E+00	1.26E+01	4.64E+00	6.21E-01	2.05E+01	2.56E+00	5.46E-04	5.09E-02	1.81E-02	2.63E+00	3.10E+00	1.26E+01	4.64E+00	6.21E-01	2.10E+01
647	490136.72	3860035.12	15.5	15.8993	24.578	8.29889	2.54E+00	1.23E+01	4.77E+00	6.11E-01	2.02E+01	2.50E+00	5.34E-04	5.23E-02	1.79E-02	2.57E+00	3.03E+00	1.23E+01	4.77E+00	6.11E-01	2.07E+01
648	490186.72	3860035.12	15.1368	15.5185	25.002	8.14935	2.48E+00	1.20E+01	4.85E+00	6.00E-01	2.00E+01	2.44E+00	5.21E-04	5.32E-02	1.75E-02	2.51E+00	2.96E+00	1.20E+01	4.85E+00	6.00E-01	2.04E+01
649	490236.72	3860035.12	14.8731	15.1541	25.467	7.98363	2.43E+00	1.18E+01	4.94E+00	5.88E-01	1.97E+01	2.40E+00	5.09E-04	5.41E-02	1.72E-02	2.47E+00	2.91E+00	1.18E+01	4.94E+00	5.88E-01	2.02E+01
650	490286.72	3860035.12	14.6562	14.7636	25.744	7.8022	2.40E+00	1.15E+01	4.99E+00	5.74E-01	1.94E+01	2.36E+00	4.96E-04	5.47E-02	1.68E-02	2.43E+00	2.87E+00	1.15E+01	4.99E+00	5.74E-01	1.99E+01
651	490336.72	3860035.12	14.6923	14.3719	25.847	7.61499	2.40E+00	1.11E+01	5.01E+00	5.61E-01	1.91E+01	2.37E+00	4.83E-04	5.50E-02	1.64E-02	2.44E+00	2.87E+00	1.11E+01	5.01E+00	5.61E-01	1.96E+01
652	490386.72	3860035.12	14.6834	13.9584	25.516	7.41301	2.40E+00	1.08E+01	4.95E+00	5.46E-01	1.87E+01	2.37E+00	4.69E-04	5.43E-02	1.60E-02	2.44E+00	2.87E+00	1.08E+01	4.95E+00	5.46E-01	1.92E+01
653	490436.72	3860035.12	14.6957	13.5164	24.983	7.20954	2.40E+00	1.05E+01	4.84E+00	5.31E-01	1.83E+01	2.37E+00	4.54E-04	5.31E-02	1.55E-02	2.44E+00	2.88E+00	1.05E+01	4.84E+00	5.31E-01	1.87E+01
654	490486.72	3860035.12	14.6999	13.0506	24.272	7.03726	2.40E+00	1.01E+01	4.71E+00	5.18E-01	1.78E+01	2.37E+00	4.38E-04	5.16E-02	1.51E-02	2.44E+00	2.88E+00	1.01E+01	4.71E+00	5.18E-01	1.82E+01
655	490536.72	3860035.12	14.6496	12.6051	23.653	6.92028	2.40E+00	9.78E+00	4.59E+00	5.09E-01	1.73E+01	2.36E+00	4.23E-04	5.03E-02	1.49E-02	2.43E+00	2.87E+00	9.78E+00	4.59E+00	5.09E-01	1.77E+01
656	490586.72	3860035.12	14.5642	12.1577	23.248	6.80993	2.38E+00	9.43E+00	4.51E+00	5.01E-01	1.68E+01	2.35E+00	4.08E-04	4.94E-02	1.47E-02	2.41E+00	2.85E+00	9.43E+00	4.51E+00	5.01E-01	1.73E+01
657	490636.72	3860035.12	14.5443	11.7009	22.726	6.69603	2.38E+00	9.08E+00	4.41E+00	4.93E-01	1.64E+01	2.34E+00	3.93E-04	4.83E-02	1.44E-02	2.41E+00	2.85E+00	9.08E+00	4.41E+00	4.93E-01	1.68E+01
658	490686.72	3860035.12	14.4969	11.2718	22.281	6.58073	2.37E+00	8.74E+00	4.32E+00	4.85E-01	1.59E+01	2.34E+00	3.79E-04	4.74E-02	1.42E-02	2.40E+00	2.84E+00	8.74E+00	4.32E+00	4.85E-01	1.64E+01
659	490736.72	3860035.12	14.3787	10.9127	21.953	6.46907	2.35E+00	8.46E+00	4.26E+00	4.76E-01	1.55E+01	2.32E+00	3.67E-04	4.67E-02	1.39E-02	2.38E+00	2.81E+00	8.47E+00	4.26E+00	4.76E-01	1.60E+01
660	490786.72	3860035.12	14.1313	10.5726	21.721	6.34891	2.31E+00	8.20E+00	4.21E+00	4.67E-01	1.52E+01	2.28E+00	3.55E-04	4.62E-02	1.37E-02	2.34E+00	2.77E+00	8.20E+00	4.21E+00	4.67E-01	1.56E+01
661	490836.72	3860035.12	13.9786	10.2707	21.475	6.22683	2.29E+00	7.97E+00	4.16E+00	4.58E-01	1.49E+01	2.25E+00	3.45E-04	4.57E-02	1.34E-02	2.31E+00	2.74E+00	7.97E+00	4.16E+00	4.58E-01	1.53E+01
662	490086.72	3860085.12	16.0095	16.607	23.785	8.31046	2.62E+00	1.29E+01	4.61E+00	6.12E-01	2.07E+01	2.58E+00	5.58E-04	5.06E-02	1.79E-02	2.65E+00	3.13E+00	1.29E+01	4.61E+00	6.12E-01	2.12E+01
663	490136.72	3860085.12	15.7646	16.0703	23.872	8.10078	2.58E+00	1.25E+01	4.63E+00	5.96E-01	2.03E+01	2.54E+00	5.40E-04	5.08E-02	1.74E-02	2.61E+00	3.08E+00	1.25E+01	4.63E+00	5.96E-01	2.08E+01
664	490186.72	3860085.12	15.434	15.7715	24.584	7.9312	2.52E+00	1.22E+01	4.77E+00	5.84E-01	2.01E+01	2.49E+00	5.30E-04	5.23E-02	1.71E-02	2.56E+00	3.02E+00	1.22E+01	4.77E+00	5.84E-01	2.06E+01
665	490236.72	3860085.12	15.0602	15.4438	24.909	7.75496	2.46E+00	1.20E+01	4.83E+00	5.71E-01	1.98E+01	2.43E+00	5.19E-04	5.30E-02	1.67E-02	2.50E+00	2.95E+00	1.20E+01	4.83E+00	5.71E-01	2.03E+01
666	490286.72	3860085.12	14.7881	15.0871	25.321	7.57974	2.42E+00	1.17E+01	4.91E+00	5.58E-01	1.96E+01	2.38E+00	5.07E-04	5.38E-02	1.63E-02	2.45E+00	2.89E+00	1.17E+01	4.91E+00	5.58E-01	2.01E+01
667	490336.72	3860085.12	14.5654	14.7424	25.557	7.40399	2.38E+00	1.14E+01	4.96E+00	5.45E-01	1.93E+01	2.35E+00	4.95E-04	5.43E-02	1.59E-02	2.42E+00	2.85E+00	1.14E+01	4.96E+00	5.45E-01	1.98E+01

668	490386.72	3860085.12	14.5683	14.3753	25.513	7.22538	2.38E+00	1.12E+01	4.95E+00	5.32E-01	1.90E+01	2.35E+00	4.83E-04	5.42E-02	1.56E-02	2.42E+00	2.85E+00	1.12E+01	4.95E+00	5.32E-01	1.95E+01
669	490436.72	3860085.12	14.588	14.0032	25.266	7.04728	2.39E+00	1.09E+01	4.90E+00	5.19E-01	1.87E+01	2.35E+00	4.70E-04	5.37E-02	1.52E-02	2.42E+00	2.85E+00	1.09E+01	4.90E+00	5.19E-01	1.91E+01
670	490486.72	3860085.12	14.6029	13.6037	24.764	6.86166	2.39E+00	1.06E+01	4.80E+00	5.05E-01	1.82E+01	2.35E+00	4.57E-04	5.27E-02	1.48E-02	2.42E+00	2.86E+00	1.06E+01	4.80E+00	5.05E-01	1.87E+01
671	490536.72	3860085.12	14.6249	13.1777	24.141	6.74143	2.39E+00	1.02E+01	4.68E+00	4.96E-01	1.78E+01	2.36E+00	4.43E-04	5.13E-02	1.45E-02	2.42E+00	2.86E+00	1.02E+01	4.68E+00	4.96E-01	1.83E+01
672	490586.72	3860085.12	14.5807	12.7303	23.509	6.63857	2.38E+00	9.87E+00	4.56E+00	4.89E-01	1.73E+01	2.35E+00	4.28E-04	5.00E-02	1.43E-02	2.41E+00	2.85E+00	9.88E+00	4.56E+00	4.89E-01	1.78E+01
673	490636.72	3860085.12	14.4858	12.3079	22.967	6.52595	2.37E+00	9.55E+00	4.45E+00	4.80E-01	1.69E+01	2.33E+00	4.13E-04	4.88E-02	1.40E-02	2.40E+00	2.83E+00	9.55E+00	4.45E+00	4.80E-01	1.73E+01
674	490686.72	3860085.12	14.4724	11.8817	22.565	6.46731	2.37E+00	9.22E+00	4.38E+00	4.76E-01	1.64E+01	2.33E+00	3.99E-04	4.80E-02	1.39E-02	2.39E+00	2.83E+00	9.22E+00	4.38E+00	4.76E-01	1.69E+01
675	490736.72	3860085.12	14.4414	11.444	22.132	6.38307	2.36E+00	8.88E+00	4.29E+00	4.70E-01	1.60E+01	2.33E+00	3.84E-04	4.71E-02	1.37E-02	2.39E+00	2.83E+00	8.88E+00	4.29E+00	4.70E-01	1.65E+01
676	490786.72	3860085.12	14.3214	11.0308	21.637	6.2946	2.34E+00	8.56E+00	4.20E+00	4.63E-01	1.56E+01	2.31E+00	3.71E-04	4.60E-02	1.36E-02	2.37E+00	2.80E+00	8.56E+00	4.20E+00	4.63E-01	1.60E+01
677	490836.72	3860085.12	14.0813	10.7055	21.215	6.20004	2.30E+00	8.30E+00	4.11E+00	4.56E-01	1.52E+01	2.27E+00	3.60E-04	4.51E-02	1.33E-02	2.33E+00	2.76E+00	8.30E+00	4.11E+00	4.56E-01	1.56E+01
678	490086.72	3860135.12	15.9845	16.4407	22.776	8.41361	2.61E+00	1.28E+01	4.42E+00	6.19E-01	2.04E+01	2.58E+00	5.52E-04	4.84E-02	1.81E-02	2.64E+00	3.13E+00	1.28E+01	4.42E+00	6.19E-01	2.09E+01
679	490136.72	3860135.12	15.8477	16.1241	23.445	8.2084	2.59E+00	1.25E+01	4.55E+00	6.04E-01	2.02E+01	2.55E+00	5.42E-04	4.98E-02	1.77E-02	2.62E+00	3.10E+00	1.25E+01	4.55E+00	6.04E-01	2.08E+01
680	490186.72	3860135.12	15.6709	15.8551	23.881	8.00606	2.56E+00	1.23E+01	4.63E+00	5.89E-01	2.01E+01	2.53E+00	5.33E-04	5.08E-02	1.72E-02	2.59E+00	3.07E+00	1.23E+01	4.63E+00	5.89E-01	2.06E+01
681	490236.72	3860135.12	15.3377	15.6158	24.343	7.8206	2.51E+00	1.21E+01	4.72E+00	5.76E-01	1.99E+01	2.47E+00	5.25E-04	5.18E-02	1.68E-02	2.54E+00	3.00E+00	1.21E+01	4.72E+00	5.76E-01	2.04E+01
682	490286.72	3860135.12	14.9594	15.3359	24.698	7.61894	2.45E+00	1.19E+01	4.79E+00	5.61E-01	1.97E+01	2.41E+00	5.15E-04	5.25E-02	1.64E-02	2.48E+00	2.93E+00	1.19E+01	4.79E+00	5.61E-01	2.02E+01
683	490336.72	3860135.12	14.6855	15.0207	25.091	7.41822	2.40E+00	1.17E+01	4.87E+00	5.46E-01	1.95E+01	2.37E+00	5.05E-04	5.33E-02	1.60E-02	2.44E+00	2.87E+00	1.17E+01	4.87E+00	5.46E-01	1.99E+01
684	490386.72	3860135.12	14.4645	14.6849	25.346	7.21683	2.37E+00	1.14E+01	4.91E+00	5.31E-01	1.92E+01	2.33E+00	4.93E-04	5.39E-02	1.55E-02	2.40E+00	2.83E+00	1.14E+01	4.91E+00	5.31E-01	1.97E+01
685	490436.72	3860135.12	14.4394	14.3535	25.269	7.05893	2.36E+00	1.11E+01	4.90E+00	5.20E-01	1.89E+01	2.33E+00	4.82E-04	5.37E-02	1.52E-02	2.40E+00	2.83E+00	1.11E+01	4.90E+00	5.20E-01	1.94E+01
686	490486.72	3860135.12	14.4813	14.0068	24.997	6.86376	2.37E+00	1.09E+01	4.85E+00	5.05E-01	1.86E+01	2.33E+00	4.71E-04	5.31E-02	1.48E-02	2.40E+00	2.83E+00	1.09E+01	4.85E+00	5.05E-01	1.91E+01
687	490536.72	3860135.12	14.5086	13.6484	24.614	6.70507	2.37E+00	1.06E+01	4.77E+00	4.94E-01	1.82E+01	2.34E+00	4.58E-04	5.23E-02	1.44E-02	2.41E+00	2.84E+00	1.06E+01	4.77E+00	4.94E-01	1.87E+01
688	490586.72	3860135.12	14.5377	13.2648	24	6.52496	2.38E+00	1.03E+01	4.65E+00	4.80E-01	1.78E+01	2.34E+00	4.46E-04	5.10E-02	1.40E-02	2.41E+00	2.84E+00	1.03E+01	4.65E+00	4.80E-01	1.83E+01
689	490636.72	3860135.12	14.5051	12.8561	23.339	6.34369	2.37E+00	9.97E+00	4.53E+00	4.67E-01	1.73E+01	2.34E+00	4.32E-04	4.96E-02	1.37E-02	2.40E+00	2.84E+00	9.97E+00	4.53E+00	4.67E-01	1.78E+01
690	490686.72	3860135.12	14.4028	12.4282	22.725	6.16417	2.36E+00	9.64E+00	4.41E+00	4.54E-01	1.69E+01	2.32E+00	4.17E-04	4.83E-02	1.33E-02	2.38E+00	2.82E+00	9.64E+00	4.41E+00	4.54E-01	1.73E+01
691	490736.72	3860135.12	14.378	12.0242	22.311	6.06322	2.35E+00	9.33E+00	4.33E+00	4.46E-01	1.65E+01	2.32E+00	4.04E-04	4.74E-02	1.31E-02	2.38E+00	2.81E+00	9.33E+00	4.33E+00	4.46E-01	1.69E+01
692	490786.72	3860135.12	14.3613	11.6194	21.89	6.0317	2.35E+00	9.01E+00	4.24E+00	4.44E-01	1.61E+01	2.31E+00	3.90E-04	4.65E-02	1.30E-02	2.37E+00	2.81E+00	9.01E+00	4.24E+00	4.44E-01	1.65E+01
693	490836.72	3860135.12	14.241	11.2036	21.294	5.96162	2.33E+00	8.69E+00	4.13E+00	4.39E-01	1.56E+01	2.29E+00	3.76E-04	4.53E-02	1.28E-02	2.35E+00	2.79E+00	8.69E+00	4.13E+00	4.39E-01	1.60E+01
694	490086.72	3860185.12	15.9399	16.4169	21.927	8.93502	2.61E+00	1.27E+01	4.25E+00	6.58E-01	2.03E+01	2.57E+00	5.51E-04	4.66E-02	1.92E-02	2.63E+00	3.12E+00	1.27E+01	4.25E+00	6.58E-01	2.08E+01
695	490136.72	3860185.12	15.8774	16.2011	22.831	8.55638	2.60E+00	1.26E+01	4.43E+00	6.30E-01	2.02E+01	2.56E+00	5.44E-04	4.85E-02	1.84E-02	2.63E+00	3.11E+00	1.26E+01	4.43E+00	6.30E-01	2.07E+01
696	490186.72	3860185.12	15.7399	15.9384	23.472	8.2099	2.57E+00	1.24E+01	4.55E+00	6.04E-01	2.01E+01	2.54E+00	5.35E-04	4.99E-02	1.77E-02	2.60E+00	3.08E+00	1.24E+01	4.55E+00	6.04E-01	2.06E+01
697	490236.72	3860185.12	15.561	15.6525	23.791	7.89764	2.55E+00	1.21E+01	4.61E+00	5.81E-01	1.99E+01	2.51E+00	5.26E-04	5.06E-02	1.70E-02	2.58E+00	3.04E+00	1.21E+01	4.61E+00	5.81E-01	2.04E+01
698	490286.72	3860185.12	15.2452	15.4185	24.153	7.72556	2.49E+00	1.20E+01	4.68E+00	5.69E-01	1.97E+01	2.46E+00	5.18E-04	5.14E-02	1.66E-02	2.52E+00	2.98E+00	1.20E+01	4.68E+00	5.69E-01	2.02E+01
699	490336.72	3860185.12	14.8532	15.1893	24.469	7.54834	2.43E+00	1.18E+01	4.74E+00	5.56E-01	1.95E+01	2.39E+00	5.10E-04	5.20E-02	1.62E-02	2.46E+00	2.91E+00	1.18E+01	4.74E+00	5.56E-01	2.00E+01
700	490386.72	3860185.12	14.5722	14.9218	24.822	7.36834	2.38E+00	1.16E+01	4.81E+00	5.42E-01	1.93E+01	2.35E+00	5.01E-04	5.28E-02	1.59E-02	2.42E+00	2.85E+00	1.16E+01	4.81E+00	5.42E-01	1.98E+01
701	490436.72	3860185.12	14.3537	14.6186	25.104	7.19389	2.35E+00	1.13E+01	4.87E+00	5.30E-01	1.91E+01	2.31E+00	4.91E-04	5.34E-02	1.55E-02	2.38E+00	2.81E+00	1.13E+01	4.87E+00	5.30E-01	1.95E+01
702	490486.72	3860185.12	14.3102	14.3001	25.08	6.97219	2.34E+00	1.11E+01	4.86E+00	5.13E-01	1.88E+01	2.31E+00	4.80E-04	5.33E-02	1.50E-02	2.37E+00	2.80E+00	1.11E+01	4.86E+00	5.13E-01	1.93E+01
703	490536.72	3860185.12	14.3748	13.9798	24.817	6.77661	2.35E+00	1.08E+01	4.81E+00	4.99E-01	1.85E+01	2.32E+00	4.70E-04	5.28E-02	1.46E-02	2.38E+00	2.81E+00	1.08E+01	4.81E+00	4.99E-01	1.90E+01
704	490586.72	3860185.12	14.404	13.654	24.437	6.61179	2.36E+00	1.06E+01	4.74E+00	4.87E-01	1.82E+01	2.32E+00	4.59E-04	5.20E-02	1.42E-02	2.39E+00	2.82E+00	1.06E+01	4.74E+00	4.87E-01	1.86E+01
705	490636.72	3860185.12	14.4352	13.3066	23.822	6.4018	2.36E+00	1.03E+01	4.62E+00	4.71E-01	1.78E+01	2.33E+00	4.47E-04	5.06E-02	1.38E-02	2.39E+00	2.82E+00	1.03E+01	4.62E+00	4.71E-01	1.82E+01
706	490686.72	3860185.12	14.4192	12.9387	23.189	6.23143	2.36E+00	1.00E+01	4.50E+00	4.59E-01	1.74E+01	2.32E+00	4.35E-04	4.93E-02	1.34E-02	2.39E+00	2.82E+00	1.00E+01	4.50E+00	4.59E-01	1.78E+01
707	490736.72	3860185.12	14.3077	12.5434	22.529	6.02477	2.34E+00	9.73E+00	4.37E+00	4.44E-01	1.69E+01	2.31E+00	4.21E-04	4.79E-02	1.30E-02	2.37E+00	2.80E+00	9.73E+00	4.37E+00	4.44E-01	1.73E+01
708	490786.72	3860185.12	14.2753	12.1387	22.073	5.87153	2.33E+00	9.42E+00	4.28E+00	4.32E-01	1.65E+01	2.30E+00	4.08E-04	4.69E-02	1.26E-02	2.36E+00	2.79E+00	9.42E+00	4.28E+00	4.32E-01	1.69E+01
709	490836.72	3860185.12	14.2598	11.7512	21.591	5.71607	2.33E+00	9.12E+00	4.19E+00	4.21E-01	1.61E+01	2.30E+00	3.95E-04	4.59E-02	1.23E-02	2.36E+00	2.79E+00	9.12E+00	4.19E+00	4.21E-01	1.65E+01
710	490086.72	3860235.12	15.9676	16.2924	21.389	9.26335	2.61E+00	1.26E+01	4.15E+00	6.82E-01	2.01E+01	2.57E+00	5.47E-04	4.55E-02	1.99E-02	2.64E+00	3.12E+00	1.26E+01	4.15E+00	6.82E-01	2.06E+01
711	490136.72	3860235.12	15.8337	16.1163	22.028	8.97627	2.59E+00	1.25E+01	4.27E+00	6.61E-01	2.00E+01	2.55E+00	5.41E-04	4.68E-02	1.93E-02	2.62E+00	3.10E+00	1.25E+01	4.27E+00	6.61E-01	2.05E+01
712	490186.72	3860235.12	15.7658	15.9305	22.841	8.6636	2.58E+00	1.24E+01	4.43E+00	6.38E-01	2.00E+01	2.54E+00	5.35E-04	4.86E-02	1.87E-02	2.61E+00	3.09E+00	1.24E+01	4.43E+00	6.38E-01	2.05E+01
713	490236.72	3860235.12	15.6174	15.7262	23.393	8.33259	2.55E+00	1.22E+01	4.54E+00	6.13E-01	1.99E+01	2.52E+00	5.28E-04	4.97E-02	1.79E-02	2.58E+00	3.06E+00	1.22E+01	4.54E+00	6.13E-01	2.04E+01
714	490286.72	3860235.12	15.4495	15.4746	23.7	7.99597	2.53E+00	1.20E+01	4.60E+00	5.89E-01	1.97E+01	2.49E+00	5.20E-04	5.04E-02	1.72E-02	2.56E+00	3.02E+00	1.20E+01	4.60E+00	5.89E-01	2.02E+01
715	490336.72	3860235.12	15.1493	15.2101	23.959	7.66318	2.48E+00	1.18E+01	4.65E+00	5.64E-01	1.95E+01	2.44E+00	5.11E-04	5.09E-02	1.65E-02	2.51E+00	2.96E+00	1.18E+01	4.65E+00	5.64E-01	2.00E+01
716	490386.72	3860235.12	14.7503	15.0036	24.276	7.38435	2.41E+00	1.16E+01	4.71E+00	5.44E-01	1.93E+01	2.38E+00	5.04E-04	5.16E-02	1.59E-02	2.44E+00	2.89E+00	1.16E+01	4.71E+00	5.44E-01	1.98E+01
717	490436.72	3860235.12	14.4664	14.7837	24.619	7.17811	2.37E+00	1.15E+01	4.77E+00	5.28E-01	1.91E+01	2.33E+00	4.97E-04	5.23E-02	1.55E-02	2.40E+00	2.83E+00	1.15E+01	4.77E+00	5.28E-01	1.96E+01
718	490486.72	3860235.12	14.2599	14.5258	24.897	6.97243	2.33E+00	1.13E+01	4.83E+00	5.13E-01	1.89E+01	2.30E+00	4.88E-04	5.29E-02	1.50E-02	2.37E+00	2.79E+00	1.13E+01	4.83E+00	5.13E-01	1.94E+01
719	490536.72	3860235.12	14.1952	14.2312	24.924	6.78868	2.32E+00	1.10E+01	4.83E+00	5.00E-01	1.87E+01	2.29E+00	4.78E-04	5.30E-02	1.46E-02	2.36E+00	2.78E+00	1.10E+01	4.83E+00	5.00E-01	1.92E+01
720	490586.72	3860235.12	14.2658	13.9284	24.697	6.62992	2.33E+00	1.08E+01	4.79E+00	4.88E-01	1.84E+01	2.30E+00	4.68E-04	5.25E-02	1.43E-02	2.37E+00	2.79E+00	1.08E+01	4.79E+00	4.88E-01	1.89E+01
721	490636.72	3860235.12	14.2877	13.6207	24.218	6.4534	2.34E+00	1.06E+01	4.70E+00	4.75E-01	1.81E+01	2.30E+00	4.58E-04	5.15E-02	1.39E-02	2.37E+00	2.80E+00	1.06E+01	4.70E+00	4.75E-01	1.85E+01
722	490686.72	3860235.12	14.332	13.3133	23.675	6.28246	2.34E+00	1.03E+01	4.59E+00	4.63E-01	1.77E+01	2.31E+00	4.47E-04	5.03E-02	1.35E-02	2.37E+00	2.80E+00	1.03E+01	4.59E+00	4.63E-01	1.82E+01
723	490736.72	3860235.12	14.3154	12.9805	23.009	6.10211	2.34E+00	1.01E+01	4.46E+00	4.49E-01	1.73E+01	2.31E+00	4.36E-04	4.89E-02	1.31E-02	2.37E+00	2.80E+00	1.01E+01	4.46E+00	4.49E-01	1.78E+01
724	490786.72	3860235.12	14.2118	12.6236	22.404	5.9231	2.32E+00	9.79E+00	4.34E+00	4.36E-01	1.69E+01	2.29E+00	4.24E-04	4.76E-02	1.28E-02	2.35E+00	2.78E+00	9.79E+00	4.34E+00	4.36E-01	1.74E+01
725	490086.72	3860285.12	15.8849	16.1256	21.215	9.02804	2.60E+00	1.25E+01	4.11E+00	6.65E-01	1.99E+01	2.56E+00	5.42E-04	4.51E-02	1.94E-02	2.62E+00	3.11E+00	1.25E+01	4.11E+00	6.65E-01	2.04E+01
726	490136.72	3860285.12	15.8559	15.9887	21.356	8.91263	2.59E+00	1.24E+01	4.14E+00	6.56E-01	1.98E+01	2.55E+00	5.37E-04	4.54E-02	1.92E-02	2.62E+00	3.10E+00	1.24E+01	4.14E+00	6.56E-01	2.03E+01
727	490186.72	3860285.12	15.7155	15.8291	22.044	8.7193	2.57E+00	1.23E+01	4.27E+00	6.42E-01	1.98E+01	2.53E+00	5.32E-04	4.69E-02	1.88E-02	2.60E+00	3.08E+00	1.23E+01	4.27E+00	6.42E-01	2.03E+01
728	490236.72	3860285.12	15.6492	15.6516	22.814	8.50356	2.56E+00	1.21E+01	4.42E+00	6.26E-01	1.98E+01	2.52E+00	5.26E-04	4.85E-02	1.83E-02	2.59E+00	3.06E+00	1.21E+01	4.42E+00	6.26E-01	2.03E+01

729	490286.72	3860285.12	15.4929	15.4808	23.302	8.25785	2.53E+00	1.20E+01	4.52E+00	6.08E-01	1.97E+01	2.50E+00	5.20E-04	4.95E-02	1.78E-02	2.56E+00	3.03E+00	1.20E+01	4.52E+00	6.08E-01	2.02E+01
730	490336.72	3860285.12	15.3342	15.2802	23.589	7.98841	2.51E+00	1.19E+01	4.57E+00	5.88E-01	1.95E+01	2.47E+00	5.13E-04	5.02E-02	1.72E-02	2.54E+00	3.00E+00	1.19E+01	4.57E+00	5.88E-01	2.00E+01
731	490386.72	3860285.12	15.0528	15.0328	23.775	7.69072	2.46E+00	1.17E+01	4.61E+00	5.66E-01	1.93E+01	2.43E+00	5.05E-04	5.05E-02	1.66E-02	2.49E+00	2.95E+00	1.17E+01	4.61E+00	5.66E-01	1.98E+01
732	490436.72	3860285.12	14.6466	14.7897	24.085	7.33662	2.40E+00	1.15E+01	4.67E+00	5.40E-01	1.91E+01	2.36E+00	4.97E-04	5.12E-02	1.58E-02	2.43E+00	2.87E+00	1.15E+01	4.67E+00	5.40E-01	1.95E+01
733	490486.72	3860285.12	14.356	14.6079	24.399	7.00423	2.35E+00	1.13E+01	4.73E+00	5.16E-01	1.89E+01	2.31E+00	4.91E-04	5.19E-02	1.51E-02	2.38E+00	2.81E+00	1.13E+01	4.73E+00	5.16E-01	1.94E+01
734	490536.72	3860285.12	14.1659	14.3915	24.685	6.72894	2.32E+00	1.12E+01	4.79E+00	4.95E-01	1.88E+01	2.28E+00	4.83E-04	5.25E-02	1.45E-02	2.35E+00	2.77E+00	1.12E+01	4.79E+00	4.95E-01	1.92E+01
735	490586.72	3860285.12	14.0687	14.1403	24.716	6.51944	2.30E+00	1.10E+01	4.79E+00	4.80E-01	1.85E+01	2.27E+00	4.75E-04	5.26E-02	1.40E-02	2.33E+00	2.75E+00	1.10E+01	4.79E+00	4.80E-01	1.90E+01
736	490636.72	3860285.12	14.1407	13.8571	24.509	6.36132	2.31E+00	1.07E+01	4.75E+00	4.68E-01	1.83E+01	2.28E+00	4.65E-04	5.21E-02	1.37E-02	2.34E+00	2.77E+00	1.07E+01	4.75E+00	4.68E-01	1.87E+01
737	490686.72	3860285.12	14.167	13.5721	24.085	6.2146	2.32E+00	1.05E+01	4.67E+00	4.58E-01	1.80E+01	2.28E+00	4.56E-04	5.12E-02	1.34E-02	2.35E+00	2.77E+00	1.05E+01	4.67E+00	4.58E-01	1.84E+01
738	490736.72	3860285.12	14.2169	13.2781	23.48	6.05136	2.33E+00	1.03E+01	4.55E+00	4.46E-01	1.76E+01	2.29E+00	4.46E-04	4.99E-02	1.30E-02	2.35E+00	2.78E+00	1.03E+01	4.55E+00	4.46E-01	1.81E+01
739	490786.72	3860285.12	14.2098	12.9874	22.844	5.91123	2.32E+00	1.01E+01	4.43E+00	4.35E-01	1.73E+01	2.29E+00	4.36E-04	4.86E-02	1.27E-02	2.35E+00	2.78E+00	1.01E+01	4.43E+00	4.35E-01	1.77E+01
740	490086.72	3860335.12	15.7434	15.8848	20.958	7.96571	2.57E+00	1.23E+01	4.06E+00	5.86E-01	1.95E+01	2.54E+00	5.34E-04	4.46E-02	1.71E-02	2.60E+00	3.08E+00	1.23E+01	4.06E+00	5.86E-01	2.01E+01
741	490136.72	3860335.12	15.7712	15.7612	21.209	8.13027	2.58E+00	1.22E+01	4.11E+00	5.99E-01	1.95E+01	2.54E+00	5.29E-04	4.51E-02	1.75E-02	2.60E+00	3.09E+00	1.22E+01	4.11E+00	5.99E-01	2.00E+01
742	490186.72	3860335.12	15.7349	15.6707	21.272	8.2032	2.57E+00	1.22E+01	4.12E+00	6.04E-01	1.95E+01	2.54E+00	5.26E-04	4.52E-02	1.77E-02	2.60E+00	3.08E+00	1.22E+01	4.12E+00	6.04E-01	2.00E+01
743	490236.72	3860335.12	15.6014	15.5258	22.076	8.19422	2.55E+00	1.20E+01	4.28E+00	6.03E-01	1.95E+01	2.51E+00	5.22E-04	4.69E-02	1.76E-02	2.58E+00	3.05E+00	1.20E+01	4.28E+00	6.03E-01	2.00E+01
744	490286.72	3860335.12	15.5252	15.3945	22.737	8.10658	2.54E+00	1.19E+01	4.41E+00	5.97E-01	1.95E+01	2.50E+00	5.17E-04	4.83E-02	1.75E-02	2.57E+00	3.04E+00	1.19E+01	4.41E+00	5.97E-01	2.00E+01
745	490336.72	3860335.12	15.3672	15.2162	23.204	7.92936	2.51E+00	1.18E+01	4.50E+00	5.84E-01	1.94E+01	2.48E+00	5.11E-04	4.93E-02	1.71E-02	2.54E+00	3.01E+00	1.18E+01	4.50E+00	5.84E-01	1.99E+01
746	490386.72	3860335.12	15.2219	15.0555	23.494	7.70752	2.49E+00	1.17E+01	4.56E+00	5.67E-01	1.93E+01	2.45E+00	5.06E-04	5.00E-02	1.66E-02	2.52E+00	2.98E+00	1.17E+01	4.56E+00	5.67E-01	1.98E+01
747	490436.72	3860335.12	14.9497	14.855	23.569	7.4492	2.45E+00	1.15E+01	4.57E+00	5.48E-01	1.91E+01	2.41E+00	4.99E-04	5.01E-02	1.60E-02	2.48E+00	2.93E+00	1.15E+01	4.57E+00	5.48E-01	1.96E+01
748	490486.72	3860335.12	14.5577	14.6086	23.873	7.161	2.38E+00	1.13E+01	4.63E+00	5.27E-01	1.89E+01	2.35E+00	4.91E-04	5.08E-02	1.54E-02	2.41E+00	2.85E+00	1.13E+01	4.63E+00	5.27E-01	1.93E+01
749	490536.72	3860335.12	14.265	14.3971	24.186	6.88776	2.33E+00	1.12E+01	4.69E+00	5.07E-01	1.87E+01	2.30E+00	4.84E-04	5.14E-02	1.48E-02	2.37E+00	2.79E+00	1.12E+01	4.69E+00	5.07E-01	1.92E+01
750	490586.72	3860335.12	14.0715	14.2237	24.48	6.58099	2.30E+00	1.10E+01	4.75E+00	4.85E-01	1.86E+01	2.27E+00	4.78E-04	5.20E-02	1.42E-02	2.33E+00	2.75E+00	1.10E+01	4.75E+00	4.85E-01	1.90E+01
751	490636.72	3860335.12	13.9439	14.0165	24.54	6.34935	2.28E+00	1.09E+01	4.76E+00	4.67E-01	1.84E+01	2.25E+00	4.71E-04	5.22E-02	1.37E-02	2.31E+00	2.73E+00	1.09E+01	4.76E+00	4.67E-01	1.88E+01
752	490686.72	3860335.12	14.0175	13.776	24.356	6.12704	2.29E+00	1.07E+01	4.72E+00	4.51E-01	1.82E+01	2.26E+00	4.63E-04	5.18E-02	1.32E-02	2.32E+00	2.74E+00	1.07E+01	4.72E+00	4.51E-01	1.86E+01
753	490736.72	3860335.12	14.0406	13.5037	23.946	5.9591	2.30E+00	1.05E+01	4.64E+00	4.39E-01	1.79E+01	2.26E+00	4.54E-04	5.09E-02	1.28E-02	2.33E+00	2.75E+00	1.05E+01	4.64E+00	4.39E-01	1.83E+01
754	490786.72	3860335.12	14.1089	13.2384	23.379	5.84648	2.31E+00	1.03E+01	4.53E+00	4.30E-01	1.75E+01	2.27E+00	4.45E-04	4.97E-02	1.26E-02	2.34E+00	2.76E+00	1.03E+01	4.53E+00	4.30E-01	1.80E+01
755	490086.72	3860385.12	15.6305	15.7281	20.618	6.94847	2.56E+00	1.22E+01	4.00E+00	5.12E-01	1.93E+01	2.52E+00	5.28E-04	4.38E-02	1.50E-02	2.58E+00	3.06E+00	1.22E+01	4.00E+00	5.12E-01	1.98E+01
756	490136.72	3860385.12	15.6325	15.5806	20.993	7.14433	2.56E+00	1.21E+01	4.07E+00	5.26E-01	1.92E+01	2.52E+00	5.23E-04	4.46E-02	1.54E-02	2.58E+00	3.06E+00	1.21E+01	4.07E+00	5.26E-01	1.97E+01
757	490186.72	3860385.12	15.6439	15.4268	21.12	7.26653	2.56E+00	1.20E+01	4.10E+00	5.35E-01	1.92E+01	2.52E+00	5.18E-04	4.49E-02	1.56E-02	2.58E+00	3.06E+00	1.20E+01	4.10E+00	5.35E-01	1.97E+01
758	490236.72	3860385.12	15.6144	15.3426	21.183	7.34112	2.55E+00	1.19E+01	4.11E+00	5.40E-01	1.91E+01	2.52E+00	5.15E-04	4.50E-02	1.58E-02	2.58E+00	3.06E+00	1.19E+01	4.11E+00	5.40E-01	1.96E+01
759	490286.72	3860385.12	15.4686	15.2411	21.99	7.34741	2.53E+00	1.18E+01	4.26E+00	5.41E-01	1.92E+01	2.49E+00	5.12E-04	4.68E-02	1.58E-02	2.56E+00	3.03E+00	1.18E+01	4.26E+00	5.41E-01	1.97E+01
760	490336.72	3860385.12	15.3984	15.1137	22.638	7.3588	2.52E+00	1.17E+01	4.39E+00	5.42E-01	1.92E+01	2.48E+00	5.08E-04	4.81E-02	1.58E-02	2.55E+00	3.01E+00	1.17E+01	4.39E+00	5.42E-01	1.97E+01
761	490386.72	3860385.12	15.2403	14.9823	23.096	7.29877	2.49E+00	1.16E+01	4.48E+00	5.37E-01	1.91E+01	2.46E+00	5.03E-04	4.91E-02	1.57E-02	2.52E+00	2.98E+00	1.16E+01	4.48E+00	5.37E-01	1.96E+01
762	490436.72	3860385.12	15.1048	14.8012	23.37	7.18604	2.47E+00	1.15E+01	4.53E+00	5.29E-01	1.90E+01	2.43E+00	4.97E-04	4.97E-02	1.55E-02	2.50E+00	2.96E+00	1.15E+01	4.53E+00	5.29E-01	1.95E+01
763	490486.72	3860385.12	14.849	14.645	23.461	7.05406	2.43E+00	1.14E+01	4.55E+00	5.19E-01	1.89E+01	2.39E+00	4.92E-04	4.99E-02	1.52E-02	2.46E+00	2.91E+00	1.14E+01	4.55E+00	5.19E-01	1.93E+01
764	490536.72	3860385.12	14.4743	14.4441	23.696	6.8645	2.37E+00	1.12E+01	4.59E+00	5.05E-01	1.87E+01	2.33E+00	4.85E-04	5.04E-02	1.48E-02	2.40E+00	2.83E+00	1.12E+01	4.59E+00	5.05E-01	1.91E+01
765	490586.72	3860385.12	14.1718	14.212	23.966	6.64199	2.32E+00	1.10E+01	4.65E+00	4.89E-01	1.85E+01	2.28E+00	4.77E-04	5.10E-02	1.43E-02	2.35E+00	2.77E+00	1.10E+01	4.65E+00	4.89E-01	1.89E+01
766	490636.72	3860385.12	13.9734	14.0258	24.278	6.38551	2.29E+00	1.09E+01	4.71E+00	4.70E-01	1.83E+01	2.25E+00	4.71E-04	5.16E-02	1.37E-02	2.32E+00	2.73E+00	1.09E+01	4.71E+00	4.70E-01	1.88E+01
767	490686.72	3860385.12	13.8162	13.8633	24.371	6.20072	2.26E+00	1.08E+01	4.73E+00	4.57E-01	1.82E+01	2.23E+00	4.66E-04	5.18E-02	1.33E-02	2.29E+00	2.70E+00	1.08E+01	4.73E+00	4.57E-01	1.86E+01
768	490736.72	3860385.12	13.8876	13.6608	24.185	5.98382	2.27E+00	1.06E+01	4.69E+00	4.41E-01	1.80E+01	2.24E+00	4.59E-04	5.14E-02	1.29E-02	2.30E+00	2.72E+00	1.06E+01	4.69E+00	4.41E-01	1.84E+01
769	490786.72	3860385.12	13.927	13.4284	23.802	5.7853	2.28E+00	1.04E+01	4.62E+00	4.26E-01	1.77E+01	2.24E+00	4.51E-04	5.06E-02	1.25E-02	2.31E+00	2.73E+00	1.04E+01	4.62E+00	4.26E-01	1.82E+01
770	490136.72	3860435.12	15.5041	15.4107	20.613	6.2553	2.54E+00	1.20E+01	4.00E+00	4.61E-01	1.89E+01	2.50E+00	5.18E-04	4.38E-02	1.35E-02	2.56E+00	3.03E+00	1.20E+01	4.00E+00	4.61E-01	1.94E+01
771	490186.72	3860435.12	15.5032	15.3026	20.918	6.39769	2.54E+00	1.19E+01	4.06E+00	4.71E-01	1.89E+01	2.50E+00	5.14E-04	4.45E-02	1.38E-02	2.56E+00	3.03E+00	1.19E+01	4.06E+00	4.71E-01	1.94E+01
772	490236.72	3860435.12	15.522	15.1401	21.052	6.50274	2.54E+00	1.17E+01	4.08E+00	4.79E-01	1.88E+01	2.50E+00	5.09E-04	4.48E-02	1.40E-02	2.56E+00	3.04E+00	1.17E+01	4.08E+00	4.79E-01	1.93E+01
773	490286.72	3860435.12	15.4862	15.0087	21.143	6.59619	2.53E+00	1.16E+01	4.10E+00	4.86E-01	1.88E+01	2.50E+00	5.04E-04	4.50E-02	1.42E-02	2.55E+00	3.03E+00	1.16E+01	4.10E+00	4.86E-01	1.93E+01
774	490336.72	3860435.12	15.3369	14.9401	21.895	6.63965	2.51E+00	1.16E+01	4.25E+00	4.89E-01	1.88E+01	2.47E+00	5.02E-04	4.66E-02	1.43E-02	2.53E+00	3.00E+00	1.16E+01	4.25E+00	4.89E-01	1.93E+01
775	490386.72	3860435.12	15.2694	14.827	22.523	6.65876	2.50E+00	1.15E+01	4.37E+00	4.90E-01	1.89E+01	2.46E+00	4.98E-04	4.79E-02	1.43E-02	2.52E+00	2.99E+00	1.15E+01	4.37E+00	4.90E-01	1.93E+01
776	490436.72	3860435.12	15.1116	14.7195	22.972	6.6242	2.47E+00	1.14E+01	4.45E+00	4.88E-01	1.88E+01	2.43E+00	4.94E-04	4.88E-02	1.43E-02	2.50E+00	2.96E+00	1.14E+01	4.45E+00	4.88E-01	1.93E+01
777	490486.72	3860435.12	14.9867	14.5793	23.238	6.5458	2.45E+00	1.13E+01	4.51E+00	4.82E-01	1.87E+01	2.41E+00	4.90E-04	4.94E-02	1.41E-02	2.48E+00	2.93E+00	1.13E+01	4.51E+00	4.82E-01	1.92E+01
778	490536.72	3860435.12	14.7437	14.4082	23.326	6.45678	2.41E+00	1.12E+01	4.52E+00	4.75E-01	1.86E+01	2.38E+00	4.84E-04	4.96E-02	1.39E-02	2.44E+00	2.89E+00	1.12E+01	4.52E+00	4.75E-01	1.91E+01
779	490586.72	3860435.12	14.3714	14.2483	23.472	6.35196	2.35E+00	1.11E+01	4.55E+00	4.68E-01	1.84E+01	2.32E+00	4.79E-04	4.99E-02	1.37E-02	2.38E+00	2.81E+00	1.11E+01	4.55E+00	4.68E-01	1.89E+01
780	490636.72	3860435.12	14.0666	14.0463	23.713	6.20828	2.30E+00	1.09E+01	4.60E+00	4.57E-01	1.83E+01	2.27E+00	4.72E-04	5.04E-02	1.34E-02	2.33E+00	2.75E+00	1.09E+01	4.60E+00	4.57E-01	1.87E+01
781	490686.72	3860435.12	13.8665	13.834	24.058	6.0918	2.27E+00	1.07E+01	4.66E+00	4.49E-01	1.81E+01	2.23E+00	4.65E-04	5.12E-02	1.31E-02	2.30E+00	2.71E+00	1.07E+01	4.66E+00	4.49E-01	1.86E+01
782	490736.72	3860435.12	13.6923	13.6774	24.177	5.97122	2.24E+00	1.06E+01	4.69E+00	4.40E-01	1.80E+01	2.21E+00	4.59E-04	5.14E-02	1.29E-02	2.27E+00	2.68E+00	1.06E+01	4.69E+00	4.40E-01	1.84E+01
783	490786.72	3860435.12	13.7563	13.5161	24.019	5.80275	2.25E+00	1.05E+01	4.66E+00	4.27E-01	1.78E+01	2.22E+00	4.54E-04	5.11E-02	1.25E-02	2.28E+00	2.69E+00	1.05E+01	4.66E+00	4.27E-01	1.83E+01
784	490136.72	3860485.12	15.4049	15.1265	20.33	5.92666	2.52E+00	1.17E+01	3.94E+00	4.36E-01	1.86E+01	2.48E+00	5.08E-04	4.32E-02	1.28E-02	2.54E+00	3.01E+00	1.17E+01	3.94E+00	4.36E-01	1.91E+01
785	490186.72	3860485.12	15.3827	15.0957	20.615	5.95729	2.52E+00	1.17E+01	4.00E+00	4.39E-01	1.87E+01	2.48E+00	5.07E-04	4.38E-02	1.28E-02	2.54E+00	3.01E+00	1.17E+01	4.00E+00	4.39E-01	1.92E+01
786	490236.72	3860485.12	15.3714	15.017	20.822	5.97645	2.51E+00	1.16E+01	4.04E+00	4.40E-01	1.86E+01	2.48E+00	5.04E-04	4.43E-02	1.29E-02	2.53E+00	3.01E+00	1.16E+01	4.04E+00	4.40E-01	1.91E+01
787	490286.72	3860485.12	15.3933	14.8899	20.942	5.99687	2.52E+00	1.16E+01	4.06E+00	4.42E-01	1.86E+01	2.48E+00	5.00E-04	4.45E-02	1.29E-02	2.54E+00	3.01E+00	1.16E+01	4.06E+00	4.42E-01	1.91E+01
788	490336.72	3860485.12	15.3542	14.7271	21.082	6.02099	2.51E+00	1.14E+01	4.09E+00	4.43E-01	1.85E+01	2.47E+00	4.95E-04	4.48E-02	1.30E-02	2.53E+00	3.00E+00	1.14E+01	4.09E+00	4.43E-01	1.90E+01
789	490386.72	3860485.12	15.2171	14.6319	21.84	6.08005	2.49E+00	1.13E+01	4.23E+00	4.48E-01	1.85E+01	2.45E+00	4.92E-04	4.64E-02	1.31E-02	2.51E+00	2.98E+00	1.14E+01	4.23E+00	4.48E-01	1.90E+01

790	490436.72	3860485.12	15.1557	14.5555	22.482	6.13422	2.48E+00	1.13E+01	4.36E+00	4.52E-01	1.86E+01	2.44E+00	4.89E-04	4.78E-02	1.32E-02	2.50E+00	2.97E+00	1.13E+01	4.36E+00	4.52E-01	1.91E+01
791	490486.72	3860485.12	14.9931	14.4422	22.885	6.12035	2.45E+00	1.12E+01	4.44E+00	4.51E-01	1.85E+01	2.42E+00	4.85E-04	4.87E-02	1.32E-02	2.48E+00	2.93E+00	1.12E+01	4.44E+00	4.51E-01	1.90E+01
792	490536.72	3860485.12	14.8692	14.3405	23.107	6.07942	2.43E+00	1.11E+01	4.48E+00	4.48E-01	1.85E+01	2.40E+00	4.82E-04	4.91E-02	1.31E-02	2.46E+00	2.91E+00	1.11E+01	4.48E+00	4.48E-01	1.90E+01
793	490586.72	3860485.12	14.6309	14.192	23.155	6.02124	2.39E+00	1.10E+01	4.49E+00	4.43E-01	1.83E+01	2.36E+00	4.77E-04	4.92E-02	1.30E-02	2.42E+00	2.86E+00	1.10E+01	4.49E+00	4.43E-01	1.88E+01
794	490636.72	3860485.12	14.2643	14.0303	23.258	5.96084	2.33E+00	1.09E+01	4.51E+00	4.39E-01	1.82E+01	2.30E+00	4.71E-04	4.95E-02	1.28E-02	2.36E+00	2.79E+00	1.09E+01	4.51E+00	4.39E-01	1.86E+01
795	490686.72	3860485.12	13.9626	13.8667	23.477	5.85915	2.28E+00	1.08E+01	4.55E+00	4.31E-01	1.80E+01	2.25E+00	4.66E-04	4.99E-02	1.26E-02	2.31E+00	2.73E+00	1.08E+01	4.55E+00	4.31E-01	1.85E+01
796	490736.72	3860485.12	13.7568	13.6713	23.835	5.76249	2.25E+00	1.06E+01	4.62E+00	4.24E-01	1.79E+01	2.22E+00	4.59E-04	5.07E-02	1.24E-02	2.28E+00	2.69E+00	1.06E+01	4.62E+00	4.24E-01	1.83E+01
797	490786.72	3860485.12	13.572	13.4775	23.949	5.6466	2.22E+00	1.05E+01	4.64E+00	4.16E-01	1.77E+01	2.19E+00	4.53E-04	5.09E-02	1.22E-02	2.25E+00	2.66E+00	1.05E+01	4.64E+00	4.16E-01	1.82E+01
798	490136.72	3860535.12	15.3048	14.7779	20.186	5.82423	2.50E+00	1.15E+01	3.91E+00	4.29E-01	1.83E+01	2.47E+00	4.96E-04	4.29E-02	1.25E-02	2.52E+00	2.99E+00	1.15E+01	3.91E+00	4.29E-01	1.88E+01
799	490186.72	3860535.12	15.2987	14.7978	20.365	5.76834	2.50E+00	1.15E+01	3.95E+00	4.25E-01	1.84E+01	2.47E+00	4.97E-04	4.33E-02	1.24E-02	2.52E+00	2.99E+00	1.15E+01	3.95E+00	4.25E-01	1.88E+01
800	490236.72	3860535.12	15.2492	14.7809	20.544	5.73535	2.49E+00	1.15E+01	3.98E+00	4.22E-01	1.84E+01	2.46E+00	4.97E-04	4.37E-02	1.23E-02	2.51E+00	2.98E+00	1.15E+01	3.98E+00	4.22E-01	1.89E+01
801	490286.72	3860535.12	15.2389	14.7265	20.714	5.74155	2.49E+00	1.14E+01	4.02E+00	4.23E-01	1.84E+01	2.46E+00	4.95E-04	4.40E-02	1.24E-02	2.51E+00	2.98E+00	1.14E+01	4.02E+00	4.23E-01	1.88E+01
802	490336.72	3860535.12	15.2601	14.6304	20.803	5.75227	2.50E+00	1.13E+01	4.03E+00	4.24E-01	1.83E+01	2.46E+00	4.91E-04	4.42E-02	1.24E-02	2.52E+00	2.99E+00	1.13E+01	4.03E+00	4.24E-01	1.88E+01
803	490386.72	3860535.12	15.2369	14.4881	21.082	5.76712	2.49E+00	1.12E+01	4.09E+00	4.25E-01	1.82E+01	2.46E+00	4.87E-04	4.48E-02	1.24E-02	2.51E+00	2.98E+00	1.12E+01	4.09E+00	4.25E-01	1.87E+01
804	490436.72	3860535.12	15.1083	14.3347	21.828	5.77046	2.47E+00	1.11E+01	4.23E+00	4.25E-01	1.82E+01	2.43E+00	4.82E-04	4.64E-02	1.24E-02	2.49E+00	2.96E+00	1.11E+01	4.23E+00	4.25E-01	1.87E+01
805	490486.72	3860535.12	15.0378	14.2758	22.408	5.756	2.46E+00	1.11E+01	4.35E+00	4.24E-01	1.83E+01	2.42E+00	4.80E-04	4.76E-02	1.24E-02	2.48E+00	2.94E+00	1.11E+01	4.35E+00	4.24E-01	1.88E+01
806	490536.72	3860535.12	14.9147	14.1958	22.958	5.80825	2.44E+00	1.10E+01	4.45E+00	4.28E-01	1.83E+01	2.40E+00	4.77E-04	4.88E-02	1.25E-02	2.47E+00	2.92E+00	1.10E+01	4.45E+00	4.28E-01	1.88E+01
807	490586.72	3860535.12	14.7559	14.0874	22.992	5.72066	2.41E+00	1.09E+01	4.46E+00	4.21E-01	1.82E+01	2.38E+00	4.73E-04	4.89E-02	1.23E-02	2.44E+00	2.89E+00	1.09E+01	4.46E+00	4.21E-01	1.87E+01
808	490636.72	3860535.12	14.5268	13.9765	23.027	5.69308	2.38E+00	1.08E+01	4.47E+00	4.19E-01	1.81E+01	2.34E+00	4.69E-04	4.90E-02	1.23E-02	2.40E+00	2.84E+00	1.08E+01	4.47E+00	4.19E-01	1.86E+01
809	490686.72	3860535.12	14.1582	13.8255	23.05	5.66168	2.32E+00	1.07E+01	4.47E+00	4.17E-01	1.79E+01	2.28E+00	4.64E-04	4.90E-02	1.22E-02	2.34E+00	2.77E+00	1.07E+01	4.47E+00	4.17E-01	1.84E+01
810	490736.72	3860535.12	13.8612	13.6671	23.255	5.60131	2.27E+00	1.06E+01	4.51E+00	4.12E-01	1.78E+01	2.23E+00	4.59E-04	4.94E-02	1.21E-02	2.30E+00	2.71E+00	1.06E+01	4.51E+00	4.12E-01	1.82E+01
811	490786.72	3860535.12	13.6479	13.5098	23.618	5.54241	2.23E+00	1.05E+01	4.58E+00	4.08E-01	1.77E+01	2.20E+00	4.54E-04	5.02E-02	1.19E-02	2.26E+00	2.67E+00	1.05E+01	4.58E+00	4.08E-01	1.81E+01
812	490136.72	3860585.12	15.1189	14.4775	20.002	5.75229	2.47E+00	1.12E+01	3.88E+00	4.24E-01	1.80E+01	2.44E+00	4.86E-04	4.25E-02	1.24E-02	2.49E+00	2.96E+00	1.12E+01	3.88E+00	4.24E-01	1.85E+01
813	490186.72	3860585.12	15.1366	14.4385	19.987	5.65875	2.48E+00	1.12E+01	3.88E+00	4.17E-01	1.80E+01	2.44E+00	4.85E-04	4.25E-02	1.22E-02	2.49E+00	2.96E+00	1.12E+01	3.88E+00	4.17E-01	1.85E+01
814	490236.72	3860585.12	15.1258	14.4689	20.096	5.63085	2.47E+00	1.12E+01	3.90E+00	4.15E-01	1.80E+01	2.44E+00	4.86E-04	4.27E-02	1.21E-02	2.49E+00	2.96E+00	1.12E+01	3.90E+00	4.15E-01	1.85E+01
815	490286.72	3860585.12	15.1115	14.4722	20.441	5.57416	2.47E+00	1.12E+01	3.96E+00	4.10E-01	1.81E+01	2.43E+00	4.86E-04	4.35E-02	1.20E-02	2.49E+00	2.96E+00	1.12E+01	3.96E+00	4.10E-01	1.86E+01
816	490336.72	3860585.12	15.1101	14.4394	20.613	5.56534	2.47E+00	1.12E+01	4.00E+00	4.10E-01	1.81E+01	2.43E+00	4.85E-04	4.38E-02	1.20E-02	2.49E+00	2.96E+00	1.12E+01	4.00E+00	4.10E-01	1.86E+01
817	490386.72	3860585.12	15.129	14.3679	20.667	5.5641	2.47E+00	1.11E+01	4.01E+00	4.10E-01	1.80E+01	2.44E+00	4.83E-04	4.39E-02	1.20E-02	2.49E+00	2.96E+00	1.11E+01	4.01E+00	4.10E-01	1.85E+01
818	490436.72	3860585.12	15.1323	14.2669	21.128	5.60883	2.48E+00	1.11E+01	4.10E+00	4.13E-01	1.81E+01	2.44E+00	4.79E-04	4.49E-02	1.21E-02	2.50E+00	2.96E+00	1.11E+01	4.10E+00	4.13E-01	1.85E+01
819	490486.72	3860585.12	15.0292	14.1142	21.957	5.63022	2.46E+00	1.09E+01	4.26E+00	4.15E-01	1.81E+01	2.42E+00	4.74E-04	4.67E-02	1.21E-02	2.48E+00	2.94E+00	1.09E+01	4.26E+00	4.15E-01	1.86E+01
820	490536.72	3860585.12	14.9433	14.0025	22.443	5.60449	2.44E+00	1.09E+01	4.35E+00	4.13E-01	1.81E+01	2.41E+00	4.70E-04	4.77E-02	1.21E-02	2.47E+00	2.92E+00	1.09E+01	4.35E+00	4.13E-01	1.86E+01
821	490586.72	3860585.12	14.7482	13.9129	22.576	5.50187	2.41E+00	1.08E+01	4.38E+00	4.05E-01	1.80E+01	2.38E+00	4.67E-04	4.80E-02	1.18E-02	2.44E+00	2.89E+00	1.08E+01	4.38E+00	4.05E-01	1.85E+01
822	490636.72	3860585.12	14.6293	13.8125	22.812	5.47232	2.39E+00	1.07E+01	4.42E+00	4.03E-01	1.79E+01	2.36E+00	4.64E-04	4.85E-02	1.18E-02	2.42E+00	2.86E+00	1.07E+01	4.42E+00	4.03E-01	1.84E+01
823	490686.72	3860585.12	14.4159	13.7388	22.867	5.431	2.36E+00	1.07E+01	4.43E+00	4.00E-01	1.78E+01	2.32E+00	4.62E-04	4.86E-02	1.17E-02	2.38E+00	2.82E+00	1.07E+01	4.43E+00	4.00E-01	1.83E+01
824	490736.72	3860585.12	14.0476	13.6245	22.826	5.38263	2.30E+00	1.06E+01	4.43E+00	3.96E-01	1.77E+01	2.26E+00	4.58E-04	4.85E-02	1.16E-02	2.32E+00	2.75E+00	1.06E+01	4.43E+00	3.96E-01	1.81E+01
825	490786.72	3860585.12	13.7504	13.4649	23.019	5.32031	2.25E+00	1.04E+01	4.46E+00	3.92E-01	1.75E+01	2.22E+00	4.52E-04	4.89E-02	1.15E-02	2.28E+00	2.69E+00	1.04E+01	4.46E+00	3.92E-01	1.80E+01
826	490136.72	3860635.12	14.8378	14.2519	19.779	5.6627	2.43E+00	1.11E+01	3.84E+00	4.17E-01	1.77E+01	2.39E+00	4.79E-04	4.21E-02	1.22E-02	2.45E+00	2.90E+00	1.11E+01	3.84E+00	4.17E-01	1.82E+01
827	490186.72	3860635.12	14.992	14.2059	19.994	5.60287	2.45E+00	1.10E+01	3.88E+00	4.13E-01	1.78E+01	2.42E+00	4.77E-04	4.25E-02	1.21E-02	2.47E+00	2.93E+00	1.10E+01	3.88E+00	4.13E-01	1.82E+01
828	490236.72	3860635.12	15.0239	14.168	20.009	5.5519	2.46E+00	1.10E+01	3.88E+00	4.09E-01	1.77E+01	2.42E+00	4.76E-04	4.25E-02	1.20E-02	2.48E+00	2.94E+00	1.10E+01	3.88E+00	4.09E-01	1.82E+01
829	490286.72	3860635.12	14.9923	14.163	20.031	5.51655	2.45E+00	1.10E+01	3.88E+00	4.06E-01	1.77E+01	2.42E+00	4.76E-04	4.26E-02	1.19E-02	2.47E+00	2.93E+00	1.10E+01	3.88E+00	4.06E-01	1.82E+01
830	490336.72	3860635.12	14.9738	14.1725	20.327	5.47372	2.45E+00	1.10E+01	3.94E+00	4.03E-01	1.78E+01	2.41E+00	4.76E-04	4.32E-02	1.18E-02	2.47E+00	2.93E+00	1.10E+01	3.94E+00	4.03E-01	1.83E+01
831	490386.72	3860635.12	14.9797	14.1564	20.495	5.43186	2.45E+00	1.10E+01	3.97E+00	4.00E-01	1.78E+01	2.41E+00	4.76E-04	4.36E-02	1.17E-02	2.47E+00	2.93E+00	1.10E+01	3.97E+00	4.00E-01	1.83E+01
832	490436.72	3860635.12	14.9992	14.1048	20.53	5.39779	2.45E+00	1.09E+01	3.98E+00	3.97E-01	1.78E+01	2.42E+00	4.74E-04	4.37E-02	1.16E-02	2.47E+00	2.94E+00	1.09E+01	3.98E+00	3.97E-01	1.83E+01
833	490486.72	3860635.12	14.9755	14.0185	20.92	5.39421	2.45E+00	1.09E+01	4.06E+00	3.97E-01	1.78E+01	2.41E+00	4.71E-04	4.45E-02	1.16E-02	2.47E+00	2.93E+00	1.09E+01	4.06E+00	3.97E-01	1.83E+01
834	490536.72	3860635.12	14.8651	13.8962	21.649	5.4028	2.43E+00	1.08E+01	4.20E+00	3.98E-01	1.78E+01	2.40E+00	4.67E-04	4.60E-02	1.16E-02	2.45E+00	2.91E+00	1.08E+01	4.20E+00	3.98E-01	1.83E+01
835	490586.72	3860635.12	14.7704	13.7234	22.087	5.36076	2.42E+00	1.06E+01	4.28E+00	3.95E-01	1.77E+01	2.38E+00	4.61E-04	4.70E-02	1.15E-02	2.44E+00	2.89E+00	1.06E+01	4.28E+00	3.95E-01	1.82E+01
836	490636.72	3860635.12	14.6386	13.6539	22.474	5.3403	2.39E+00	1.06E+01	4.36E+00	3.93E-01	1.77E+01	2.36E+00	4.59E-04	4.78E-02	1.15E-02	2.42E+00	2.86E+00	1.06E+01	4.36E+00	3.93E-01	1.82E+01
837	490686.72	3860635.12	14.5143	13.5774	22.681	5.30693	2.37E+00	1.05E+01	4.40E+00	3.91E-01	1.77E+01	2.34E+00	4.56E-04	4.82E-02	1.14E-02	2.40E+00	2.84E+00	1.05E+01	4.40E+00	3.91E-01	1.82E+01
838	490736.72	3860635.12	14.2926	13.4855	22.692	5.25878	2.34E+00	1.05E+01	4.40E+00	3.87E-01	1.76E+01	2.30E+00	4.53E-04	4.82E-02	1.13E-02	2.36E+00	2.80E+00	1.05E+01	4.40E+00	3.87E-01	1.80E+01
839	490786.72	3860635.12	13.9347	13.4055	22.596	5.21913	2.28E+00	1.04E+01	4.38E+00	3.84E-01	1.74E+01	2.25E+00	4.50E-04	4.80E-02	1.12E-02	2.31E+00	2.73E+00	1.04E+01	4.38E+00	3.84E-01	1.79E+01
840	490136.72	3860685.12	14.386	14.1539	19.126	5.87777	2.35E+00	1.10E+01	3.71E+00	4.33E-01	1.75E+01	2.32E+00	4.75E-04	4.07E-02	1.27E-02	2.37E+00	2.82E+00	1.10E+01	3.71E+00	4.33E-01	1.79E+01
841	490186.72	3860685.12	14.7452	14.0441	19.945	5.63672	2.41E+00	1.09E+01	3.87E+00	4.15E-01	1.76E+01	2.38E+00	4.72E-04	4.24E-02	1.21E-02	2.43E+00	2.89E+00	1.09E+01	3.87E+00	4.15E-01	1.81E+01
842	490236.72	3860685.12	14.8735	13.9565	20.004	5.53197	2.43E+00	1.08E+01	3.88E+00	4.07E-01	1.75E+01	2.40E+00	4.69E-04	4.25E-02	1.19E-02	2.45E+00	2.91E+00	1.08E+01	3.88E+00	4.07E-01	1.80E+01
843	490286.72	3860685.12	14.8718	13.9012	19.854	5.41209	2.43E+00	1.08E+01	3.85E+00	3.98E-01	1.75E+01	2.40E+00	4.67E-04	4.22E-02	1.17E-02	2.45E+00	2.91E+00	1.08E+01	3.85E+00	3.98E-01	1.79E+01
844	490336.72	3860685.12	14.8664	13.8777	19.981	5.41225	2.43E+00	1.08E+01	3.87E+00	3.98E-01	1.75E+01	2.40E+00	4.66E-04	4.25E-02	1.17E-02	2.45E+00	2.91E+00	1.08E+01	3.87E+00	3.98E-01	1.79E+01
845	490386.72	3860685.12	14.8448	13.8894	20.237	5.38211	2.43E+00	1.08E+01	3.92E+00	3.96E-01	1.75E+01	2.39E+00	4.67E-04	4.30E-02	1.16E-02	2.45E+00	2.90E+00	1.08E+01	3.92E+00	3.96E-01	1.80E+01
846	490436.72	3860685.12	14.8389	13.8749	20.326	5.32241	2.43E+00	1.08E+01	3.94E+00	3.92E-01	1.75E+01	2.39E+00	4.66E-04	4.32E-02	1.15E-02	2.45E+00	2.90E+00	1.08E+01	3.94E+00	3.92E-01	1.80E+01
847	490486.72	3860685.12	14.8522	13.834	20.316	5.27902	2.43E+00	1.07E+01	3.94E+00	3.89E-01	1.75E+01	2.39E+00	4.65E-04	4.32E-02	1.14E-02	2.45E+00	2.91E+00	1.07E+01	3.94E+00	3.89E-01	1.80E+01
848	490536.72	3860685.12	14.8319	13.7702	20.772	5.23437	2.43E+00	1.07E+01	4.03E+00	3.85E-01	1.75E+01	2.39E+00	4.63E-04	4.42E-02	1.13E-02	2.45E+00	2.90E+00	1.07E+01	4.03E+00	3.85E-01	1.80E+01
849	490586.72	3860685.12	14.7133	13.6675	21.415	5.21001	2.41E+00	1.06E+01	4.15E+00	3.84E-01	1.75E+01	2.37E+00	4.59E-04	4.55E-02	1.12E-02	2.43E+00	2.88E+00	1.06E+01	4.15E+00	3.84E-01	1.80E+01
850	490636.72	3860685.12	14.6434	13.5271	21.949	5.19917	2.40E+00	1.05E+01	4.26E+00	3.83E-01	1.75E+01	2.36E+00	4.54E-04	4.67E-02	1.12E-02	2.42E+00	2.87E+00	1.05E+01	4.26E+00	3.83E-01	1.80E+01

851	490686.72	3860685.12	14.5185	13.3927	22.35	5.18681	2.37E+00	1.04E+01	4.33E+00	3.82E-01	1.75E+01	2.34E+00	4.50E-04	4.75E-02	1.12E-02	2.40E+00	2.84E+00	1.04E+01	4.33E+00	3.82E-01	1.79E+01
852	490736.72	3860685.12	14.3959	13.3354	22.531	5.15149	2.35E+00	1.03E+01	4.37E+00	3.79E-01	1.74E+01	2.32E+00	4.48E-04	4.79E-02	1.11E-02	2.38E+00	2.82E+00	1.03E+01	4.37E+00	3.79E-01	1.79E+01
853	490786.72	3860685.12	14.1989	13.2615	22.643	5.13455	2.32E+00	1.03E+01	4.39E+00	3.78E-01	1.74E+01	2.29E+00	4.45E-04	4.81E-02	1.11E-02	2.35E+00	2.78E+00	1.03E+01	4.39E+00	3.78E-01	1.78E+01
854	490136.72	3860735.12	14.1813	14.1245	18.175	6.29717	2.32E+00	1.10E+01	3.52E+00	4.64E-01	1.73E+01	2.29E+00	4.74E-04	3.86E-02	1.36E-02	2.34E+00	2.77E+00	1.10E+01	3.52E+00	4.64E-01	1.77E+01
855	490186.72	3860735.12	14.191	13.9422	18.852	5.87327	2.32E+00	1.08E+01	3.66E+00	4.32E-01	1.72E+01	2.29E+00	4.68E-04	4.01E-02	1.26E-02	2.34E+00	2.78E+00	1.08E+01	3.66E+00	4.32E-01	1.77E+01
856	490236.72	3860735.12	14.4879	13.8244	19.352	5.56593	2.37E+00	1.07E+01	3.75E+00	4.10E-01	1.73E+01	2.33E+00	4.64E-04	4.11E-02	1.20E-02	2.39E+00	2.83E+00	1.07E+01	3.75E+00	4.10E-01	1.77E+01
857	490286.72	3860735.12	14.6745	13.7099	19.662	5.43727	2.40E+00	1.06E+01	3.81E+00	4.00E-01	1.72E+01	2.36E+00	4.61E-04	4.18E-02	1.17E-02	2.42E+00	2.87E+00	1.06E+01	3.81E+00	4.00E-01	1.77E+01
858	490336.72	3860735.12	14.7388	13.6608	19.762	5.33901	2.41E+00	1.06E+01	3.83E+00	3.93E-01	1.72E+01	2.37E+00	4.59E-04	4.20E-02	1.15E-02	2.43E+00	2.88E+00	1.06E+01	3.83E+00	3.93E-01	1.77E+01
859	490386.72	3860735.12	14.7287	13.6285	19.869	5.29978	2.41E+00	1.06E+01	3.85E+00	3.90E-01	1.72E+01	2.37E+00	4.58E-04	4.22E-02	1.14E-02	2.43E+00	2.88E+00	1.06E+01	3.85E+00	3.90E-01	1.77E+01
860	490436.72	3860735.12	14.7377	13.6312	20.222	5.31098	2.41E+00	1.06E+01	3.92E+00	3.91E-01	1.73E+01	2.37E+00	4.58E-04	4.30E-02	1.14E-02	2.43E+00	2.88E+00	1.06E+01	3.92E+00	3.91E-01	1.78E+01
861	490486.72	3860735.12	14.7238	13.618	20.254	5.25277	2.41E+00	1.06E+01	3.93E+00	3.87E-01	1.73E+01	2.37E+00	4.57E-04	4.31E-02	1.13E-02	2.43E+00	2.88E+00	1.06E+01	3.93E+00	3.87E-01	1.78E+01
862	490536.72	3860735.12	14.7151	13.5727	20.139	5.18814	2.41E+00	1.05E+01	3.91E+00	3.82E-01	1.72E+01	2.37E+00	4.56E-04	4.28E-02	1.12E-02	2.43E+00	2.88E+00	1.05E+01	3.91E+00	3.82E-01	1.77E+01
863	490586.72	3860735.12	14.6876	13.5188	20.619	5.15495	2.40E+00	1.05E+01	4.00E+00	3.80E-01	1.73E+01	2.37E+00	4.54E-04	4.38E-02	1.11E-02	2.42E+00	2.87E+00	1.05E+01	4.00E+00	3.80E-01	1.77E+01
864	490636.72	3860735.12	14.5725	13.4375	21.233	5.11314	2.38E+00	1.04E+01	4.12E+00	3.76E-01	1.73E+01	2.35E+00	4.51E-04	4.51E-02	1.10E-02	2.40E+00	2.85E+00	1.04E+01	4.12E+00	3.76E-01	1.78E+01
865	490686.72	3860735.12	14.5114	13.3314	21.786	5.07218	2.37E+00	1.03E+01	4.22E+00	3.73E-01	1.73E+01	2.34E+00	4.48E-04	4.63E-02	1.09E-02	2.40E+00	2.84E+00	1.03E+01	4.22E+00	3.73E-01	1.78E+01
866	490736.72	3860735.12	14.3869	13.1842	22.201	5.05258	2.35E+00	1.02E+01	4.31E+00	3.72E-01	1.73E+01	2.32E+00	4.43E-04	4.72E-02	1.09E-02	2.38E+00	2.82E+00	1.02E+01	4.31E+00	3.72E-01	1.77E+01
867	490136.72	3860785.12	14.0898	14.2204	17.273	6.73164	2.30E+00	1.10E+01	3.35E+00	4.96E-01	1.72E+01	2.27E+00	4.78E-04	3.67E-02	1.45E-02	2.32E+00	2.76E+00	1.10E+01	3.35E+00	4.96E-01	1.76E+01
868	490186.72	3860785.12	13.9623	13.985	18.152	6.34051	2.28E+00	1.08E+01	3.52E+00	4.67E-01	1.71E+01	2.25E+00	4.70E-04	3.86E-02	1.36E-02	2.30E+00	2.73E+00	1.08E+01	3.52E+00	4.67E-01	1.76E+01
869	490236.72	3860785.12	14.0525	13.7835	18.809	5.95084	2.30E+00	1.07E+01	3.65E+00	4.38E-01	1.71E+01	2.26E+00	4.63E-04	4.00E-02	1.28E-02	2.32E+00	2.75E+00	1.07E+01	3.65E+00	4.38E-01	1.75E+01
870	490286.72	3860785.12	14.3458	13.6345	19.266	5.64608	2.35E+00	1.06E+01	3.74E+00	4.16E-01	1.71E+01	2.31E+00	4.58E-04	4.10E-02	1.22E-02	2.37E+00	2.81E+00	1.06E+01	3.74E+00	4.16E-01	1.75E+01
871	490336.72	3860785.12	14.5225	13.5139	19.513	5.4316	2.38E+00	1.05E+01	3.78E+00	4.00E-01	1.70E+01	2.34E+00	4.54E-04	4.15E-02	1.17E-02	2.39E+00	2.84E+00	1.05E+01	3.78E+00	4.00E-01	1.75E+01
872	490386.72	3860785.12	14.606	13.4384	19.657	5.33683	2.39E+00	1.04E+01	3.81E+00	3.93E-01	1.70E+01	2.35E+00	4.51E-04	4.18E-02	1.15E-02	2.41E+00	2.86E+00	1.04E+01	3.81E+00	3.93E-01	1.75E+01
873	490436.72	3860785.12	14.577	13.3955	19.726	5.22231	2.38E+00	1.04E+01	3.83E+00	3.84E-01	1.70E+01	2.35E+00	4.50E-04	4.19E-02	1.12E-02	2.40E+00	2.85E+00	1.04E+01	3.83E+00	3.84E-01	1.75E+01
874	490486.72	3860785.12	14.565	13.3641	19.998	5.19292	2.38E+00	1.04E+01	3.88E+00	3.82E-01	1.70E+01	2.35E+00	4.49E-04	4.25E-02	1.12E-02	2.40E+00	2.85E+00	1.04E+01	3.88E+00	3.82E-01	1.75E+01
875	490536.72	3860785.12	14.5739	13.3516	20.034	5.14831	2.38E+00	1.04E+01	3.88E+00	3.79E-01	1.70E+01	2.35E+00	4.48E-04	4.26E-02	1.11E-02	2.40E+00	2.85E+00	1.04E+01	3.88E+00	3.79E-01	1.75E+01
876	490586.72	3860785.12	14.5694	13.3109	19.927	5.08114	2.38E+00	1.03E+01	3.86E+00	3.74E-01	1.69E+01	2.35E+00	4.47E-04	4.24E-02	1.09E-02	2.40E+00	2.85E+00	1.03E+01	3.86E+00	3.74E-01	1.74E+01
877	490636.72	3860785.12	14.5439	13.269	20.465	5.06357	2.38E+00	1.03E+01	3.97E+00	3.73E-01	1.70E+01	2.34E+00	4.46E-04	4.35E-02	1.09E-02	2.40E+00	2.85E+00	1.03E+01	3.97E+00	3.73E-01	1.75E+01
878	490686.72	3860785.12	14.4352	13.2111	21.077	5.04414	2.36E+00	1.02E+01	4.09E+00	3.71E-01	1.71E+01	2.33E+00	4.44E-04	4.48E-02	1.09E-02	2.38E+00	2.82E+00	1.02E+01	4.09E+00	3.71E-01	1.75E+01
879	490736.72	3860785.12	14.3714	13.1297	21.616	5.02205	2.35E+00	1.02E+01	4.19E+00	3.70E-01	1.71E+01	2.32E+00	4.41E-04	4.60E-02	1.08E-02	2.37E+00	2.81E+00	1.02E+01	4.19E+00	3.70E-01	1.76E+01
880	490086.72	3860835.12	14.1325	14.7807	16.138	7.31962	2.31E+00	1.15E+01	3.13E+00	5.39E-01	1.74E+01	2.28E+00	4.97E-04	3.43E-02	1.58E-02	2.33E+00	2.77E+00	1.15E+01	3.13E+00	5.39E-01	1.79E+01
881	490136.72	3860835.12	14.1064	14.4381	16.484	7.08575	2.31E+00	1.12E+01	3.20E+00	5.22E-01	1.72E+01	2.27E+00	4.85E-04	3.50E-02	1.53E-02	2.32E+00	2.76E+00	1.12E+01	3.20E+00	5.22E-01	1.77E+01
882	490186.72	3860835.12	13.9165	14.1281	17.4	6.74325	2.28E+00	1.10E+01	3.37E+00	4.96E-01	1.71E+01	2.24E+00	4.75E-04	3.70E-02	1.45E-02	2.29E+00	2.72E+00	1.10E+01	3.37E+00	4.96E-01	1.76E+01
883	490236.72	3860835.12	13.7747	13.871	18.187	6.38458	2.25E+00	1.08E+01	3.53E+00	4.70E-01	1.70E+01	2.22E+00	4.66E-04	3.87E-02	1.37E-02	2.27E+00	2.70E+00	1.08E+01	3.53E+00	4.70E-01	1.75E+01
884	490286.72	3860835.12	13.9208	13.6599	18.804	6.03734	2.28E+00	1.06E+01	3.65E+00	4.44E-01	1.70E+01	2.24E+00	4.59E-04	4.00E-02	1.30E-02	2.30E+00	2.72E+00	1.06E+01	3.65E+00	4.44E-01	1.74E+01
885	490336.72	3860835.12	14.2087	13.4669	19.184	5.70564	2.32E+00	1.04E+01	3.72E+00	4.20E-01	1.69E+01	2.29E+00	4.52E-04	4.08E-02	1.23E-02	2.34E+00	2.78E+00	1.04E+01	3.72E+00	4.20E-01	1.74E+01
886	490386.72	3860835.12	14.3804	13.3358	19.388	5.44508	2.35E+00	1.03E+01	3.76E+00	4.01E-01	1.69E+01	2.32E+00	4.48E-04	4.12E-02	1.17E-02	2.37E+00	2.81E+00	1.03E+01	3.76E+00	4.01E-01	1.73E+01
887	490436.72	3860835.12	14.4516	13.2203	19.464	5.33127	2.36E+00	1.03E+01	3.77E+00	3.93E-01	1.68E+01	2.33E+00	4.44E-04	4.14E-02	1.15E-02	2.38E+00	2.83E+00	1.03E+01	3.77E+00	3.93E-01	1.73E+01
888	490486.72	3860835.12	14.4178	13.1768	19.574	5.22747	2.36E+00	1.02E+01	3.80E+00	3.85E-01	1.68E+01	2.32E+00	4.43E-04	4.16E-02	1.13E-02	2.38E+00	2.82E+00	1.02E+01	3.80E+00	3.85E-01	1.72E+01
889	490536.72	3860835.12	14.3817	13.1248	19.746	5.11453	2.35E+00	1.02E+01	3.83E+00	3.77E-01	1.67E+01	2.32E+00	4.41E-04	4.20E-02	1.10E-02	2.37E+00	2.81E+00	1.02E+01	3.83E+00	3.77E-01	1.72E+01
890	490586.72	3860835.12	14.4149	13.0878	19.782	5.04475	2.36E+00	1.02E+01	3.84E+00	3.71E-01	1.67E+01	2.32E+00	4.40E-04	4.21E-02	1.09E-02	2.38E+00	2.82E+00	1.02E+01	3.84E+00	3.71E-01	1.72E+01
891	490636.72	3860835.12	14.4311	13.0639	19.741	5.00147	2.36E+00	1.01E+01	3.83E+00	3.68E-01	1.67E+01	2.33E+00	4.39E-04	4.20E-02	1.08E-02	2.38E+00	2.82E+00	1.01E+01	3.83E+00	3.68E-01	1.72E+01
892	490686.72	3860835.12	14.4166	13.0377	20.362	4.98106	2.36E+00	1.01E+01	3.95E+00	3.67E-01	1.68E+01	2.32E+00	4.38E-04	4.33E-02	1.07E-02	2.38E+00	2.82E+00	1.01E+01	3.95E+00	3.67E-01	1.73E+01
893	490736.72	3860835.12	14.3063	13.0007	20.982	4.98035	2.34E+00	1.01E+01	4.07E+00	3.67E-01	1.69E+01	2.31E+00	4.37E-04	4.46E-02	1.07E-02	2.36E+00	2.80E+00	1.01E+01	4.07E+00	3.67E-01	1.73E+01
894	490086.72	3860885.12	13.9408	15.1647	15.862	7.33831	2.28E+00	1.18E+01	3.08E+00	5.40E-01	1.77E+01	2.25E+00	5.09E-04	3.37E-02	1.58E-02	2.30E+00	2.73E+00	1.18E+01	3.08E+00	5.40E-01	1.81E+01
895	490136.72	3860885.12	13.9756	14.7204	16.053	7.19607	2.29E+00	1.14E+01	3.11E+00	5.30E-01	1.73E+01	2.25E+00	4.94E-04	3.41E-02	1.55E-02	2.30E+00	2.73E+00	1.14E+01	3.11E+00	5.30E-01	1.78E+01
896	490186.72	3860885.12	13.9078	14.3537	16.585	6.97657	2.27E+00	1.11E+01	3.22E+00	5.14E-01	1.71E+01	2.24E+00	4.82E-04	3.53E-02	1.50E-02	2.29E+00	2.72E+00	1.11E+01	3.22E+00	5.14E-01	1.76E+01
897	490236.72	3860885.12	13.7482	14.0427	17.507	6.7099	2.25E+00	1.09E+01	3.39E+00	4.94E-01	1.70E+01	2.22E+00	4.72E-04	3.72E-02	1.44E-02	2.27E+00	2.69E+00	1.09E+01	3.39E+00	4.94E-01	1.75E+01
898	490286.72	3860885.12	13.6034	13.7755	18.236	6.40369	2.22E+00	1.07E+01	3.54E+00	4.71E-01	1.69E+01	2.19E+00	4.63E-04	3.88E-02	1.38E-02	2.24E+00	2.66E+00	1.07E+01	3.54E+00	4.71E-01	1.74E+01
899	490336.72	3860885.12	13.7769	13.5412	18.752	6.07071	2.25E+00	1.05E+01	3.64E+00	4.47E-01	1.68E+01	2.22E+00	4.55E-04	3.99E-02	1.31E-02	2.27E+00	2.70E+00	1.05E+01	3.64E+00	4.47E-01	1.73E+01
900	490386.72	3860885.12	14.0814	13.3474	19.118	5.7607	2.30E+00	1.04E+01	3.71E+00	4.24E-01	1.68E+01	2.27E+00	4.48E-04	4.06E-02	1.24E-02	2.32E+00	2.76E+00	1.04E+01	3.71E+00	4.24E-01	1.72E+01
901	490436.72	3860885.12	14.2584	13.1848	19.317	5.51809	2.33E+00	1.02E+01	3.75E+00	4.06E-01	1.67E+01	2.30E+00	4.43E-04	4.11E-02	1.19E-02	2.35E+00	2.79E+00	1.02E+01	3.75E+00	4.06E-01	1.72E+01
902	490486.72	3860885.12	14.3035	13.0568	19.323	5.33229	2.34E+00	1.01E+01	3.75E+00	3.93E-01	1.66E+01	2.30E+00	4.39E-04	4.11E-02	1.15E-02	2.36E+00	2.80E+00	1.01E+01	3.75E+00	3.93E-01	1.71E+01
903	490536.72	3860885.12	14.257	12.971	19.407	5.22582	2.33E+00	1.01E+01	3.76E+00	3.85E-01	1.65E+01	2.30E+00	4.36E-04	4.13E-02	1.12E-02	2.35E+00	2.79E+00	1.01E+01	3.76E+00	3.85E-01	1.70E+01
904	490586.72	3860885.12	14.2135	12.9097	19.539	5.11298	2.32E+00	1.00E+01	3.79E+00	3.76E-01	1.65E+01	2.29E+00	4.34E-04	4.15E-02	1.10E-02	2.34E+00	2.78E+00	1.00E+01	3.79E+00	3.76E-01	1.70E+01
905	490636.72	3860885.12	14.269	12.846	19.576	4.99728	2.33E+00	9.96E+00	3.80E+00	3.68E-01	1.65E+01	2.30E+00	4.32E-04	4.16E-02	1.08E-02	2.35E+00	2.79E+00	9.97E+00	3.80E+00	3.68E-01	1.69E+01
906	490686.72	3860885.12	14.2795	12.8293	19.581	4.93237	2.34E+00	9.95E+00	3.80E+00	3.63E-01	1.64E+01	2.30E+00	4.31E-04	4.16E-02	1.06E-02	2.35E+00	2.79E+00	9.95E+00	3.80E+00	3.63E-01	1.69E+01
907	490736.72	3860885.12	14.281	12.8069	20.227	4.89517	2.34E+00	9.93E+00	3.92E+00	3.60E-01	1.66E+01	2.30E+00	4.30E-04	4.30E-02	1.05E-02	2.36E+00	2.79E+00	9.93E+00	3.92E+00	3.60E-01	1.70E+01
908	490086.72	3860935.12	13.6309	15.6039	15.469	7.14877	2.23E+00	1.21E+01	3.00E+00	5.26E-01	1.79E+01	2.20E+00	5.24E-04	3.29E-02	1.54E-02	2.25E+00	2.67E+00	1.21E+01	3.00E+00	5.26E-01	1.83E+01
909	490136.72	3860935.12	13.7315	15.0385	15.756	7.08286	2.25E+00	1.17E+01	3.06E+00	5.21E-01	1.75E+01	2.21E+00	5.05E-04	3.35E-02	1.52E-02	2.26E+00	2.69E+00	1.17E+01	3.06E+00	5.21E-01	1.79E+01
910	490186.72	3860935.12	13.787	14.6212	15.973	6.99495	2.26E+00	1.13E+01	3.10E+00	5.15E-01	1.72E+01	2.22E+00	4.91E-04	3.40E-02	1.51E-02	2.27E+00	2.70E+00	1.13E+01	3.10E+00	5.15E-01	1.77E+01
911	490236.72	3860935.12	13.7158	14.2655	16.721	6.84137	2.24E+00	1.11E+01	3.24E+00	5.04E-01	1.71E+01	2.21E+00	4.79E-04	3.56E-02	1.47E-02	2.26E+00	2.68E+00	1.11E+01	3.24E+00	5.04E-01	1.75E+01

912	490286.72	3860935.12	13.583	13.9584	17.593	6.637	2.22E+00	1.08E+01	3.41E+00	4.89E-01	1.69E+01	2.19E+00	4.69E-04	3.74E-02	1.43E-02	2.24E+00	2.66E+00	1.08E+01	3.41E+00	4.89E-01	1.74E+01
913	490336.72	3860935.12	13.4306	13.6778	18.24	6.36724	2.20E+00	1.06E+01	3.54E+00	4.69E-01	1.68E+01	2.16E+00	4.59E-04	3.88E-02	1.37E-02	2.22E+00	2.63E+00	1.06E+01	3.54E+00	4.69E-01	1.72E+01
914	490386.72	3860935.12	13.6479	13.4494	18.75	6.10014	2.23E+00	1.04E+01	3.64E+00	4.49E-01	1.67E+01	2.20E+00	4.52E-04	3.99E-02	1.31E-02	2.25E+00	2.67E+00	1.04E+01	3.64E+00	4.49E-01	1.72E+01
915	490436.72	3860935.12	13.9623	13.2474	19.075	5.81759	2.28E+00	1.03E+01	3.70E+00	4.28E-01	1.67E+01	2.25E+00	4.45E-04	4.06E-02	1.25E-02	2.30E+00	2.73E+00	1.03E+01	3.70E+00	4.28E-01	1.71E+01
916	490486.72	3860935.12	14.1247	13.0556	19.192	5.54966	2.31E+00	1.01E+01	3.72E+00	4.09E-01	1.66E+01	2.28E+00	4.39E-04	4.08E-02	1.19E-02	2.33E+00	2.76E+00	1.01E+01	3.72E+00	4.09E-01	1.70E+01
917	490536.72	3860935.12	14.1466	12.9044	19.162	5.32683	2.31E+00	1.00E+01	3.72E+00	3.92E-01	1.64E+01	2.28E+00	4.33E-04	4.07E-02	1.15E-02	2.33E+00	2.77E+00	1.00E+01	3.72E+00	3.92E-01	1.69E+01
918	490586.72	3860935.12	14.0995	12.782	19.241	5.2202	2.31E+00	9.91E+00	3.73E+00	3.84E-01	1.63E+01	2.27E+00	4.29E-04	4.09E-02	1.12E-02	2.32E+00	2.76E+00	9.92E+00	3.73E+00	3.84E-01	1.68E+01
919	490636.72	3860935.12	14.055	12.7118	19.353	5.11095	2.30E+00	9.86E+00	3.75E+00	3.76E-01	1.63E+01	2.26E+00	4.27E-04	4.11E-02	1.10E-02	2.32E+00	2.75E+00	9.86E+00	3.75E+00	3.76E-01	1.67E+01
920	490686.72	3860935.12	14.1255	12.6469	19.401	5.00341	2.31E+00	9.81E+00	3.76E+00	3.68E-01	1.63E+01	2.28E+00	4.25E-04	4.12E-02	1.08E-02	2.33E+00	2.76E+00	9.81E+00	3.76E+00	3.68E-01	1.67E+01
921	490736.72	3860935.12	14.1364	12.6076	19.47	4.90348	2.31E+00	9.78E+00	3.78E+00	3.61E-01	1.62E+01	2.28E+00	4.24E-04	4.14E-02	1.06E-02	2.33E+00	2.77E+00	9.78E+00	3.78E+00	3.61E-01	1.67E+01
922	490786.72	3860935.12	14.1148	12.5849	20.088	4.84583	2.31E+00	9.76E+00	3.90E+00	3.57E-01	1.63E+01	2.27E+00	4.23E-04	4.27E-02	1.04E-02	2.33E+00	2.76E+00	9.76E+00	3.90E+00	3.57E-01	1.68E+01
923	490836.72	3860935.12	13.9873	12.5644	20.658	4.81646	2.29E+00	9.75E+00	4.01E+00	3.55E-01	1.64E+01	2.25E+00	4.22E-04	4.39E-02	1.04E-02	2.31E+00	2.74E+00	9.75E+00	4.01E+00	3.55E-01	1.68E+01
924	490086.72	3860985.12	13.4098	16.0531	15.035	6.92333	2.19E+00	1.25E+01	2.92E+00	5.10E-01	1.81E+01	2.16E+00	5.39E-04	3.20E-02	1.49E-02	2.21E+00	2.62E+00	1.25E+01	2.92E+00	5.10E-01	1.85E+01
925	490136.72	3860985.12	13.4671	15.4997	15.447	6.92215	2.20E+00	1.20E+01	3.00E+00	5.10E-01	1.77E+01	2.17E+00	5.21E-04	3.28E-02	1.49E-02	2.22E+00	2.64E+00	1.20E+01	3.00E+00	5.10E-01	1.82E+01
926	490186.72	3860985.12	13.5906	14.996	15.715	6.91422	2.22E+00	1.16E+01	3.05E+00	5.09E-01	1.74E+01	2.19E+00	5.04E-04	3.34E-02	1.49E-02	2.24E+00	2.66E+00	1.16E+01	3.05E+00	5.09E-01	1.78E+01
927	490236.72	3860985.12	13.6261	14.5251	16	6.82002	2.23E+00	1.13E+01	3.10E+00	5.02E-01	1.71E+01	2.20E+00	4.88E-04	3.40E-02	1.47E-02	2.24E+00	2.67E+00	1.13E+01	3.10E+00	5.02E-01	1.75E+01
928	490286.72	3860985.12	13.5313	14.1715	16.843	6.69116	2.21E+00	1.10E+01	3.27E+00	4.93E-01	1.70E+01	2.18E+00	4.76E-04	3.58E-02	1.44E-02	2.23E+00	2.65E+00	1.10E+01	3.27E+00	4.93E-01	1.74E+01
929	490336.72	3860985.12	13.3998	13.8622	17.635	6.52026	2.19E+00	1.08E+01	3.42E+00	4.80E-01	1.68E+01	2.16E+00	4.66E-04	3.75E-02	1.40E-02	2.21E+00	2.62E+00	1.08E+01	3.42E+00	4.80E-01	1.73E+01
930	490386.72	3860985.12	13.2772	13.5931	18.259	6.31569	2.17E+00	1.05E+01	3.54E+00	4.65E-01	1.67E+01	2.14E+00	4.57E-04	3.88E-02	1.36E-02	2.19E+00	2.60E+00	1.05E+01	3.54E+00	4.65E-01	1.71E+01
931	490436.72	3860985.12	13.5206	13.3667	18.739	6.09812	2.21E+00	1.04E+01	3.63E+00	4.49E-01	1.67E+01	2.18E+00	4.49E-04	3.98E-02	1.31E-02	2.23E+00	2.65E+00	1.04E+01	3.63E+00	4.49E-01	1.71E+01
932	490486.72	3860985.12	13.8193	13.1465	18.983	5.82875	2.26E+00	1.02E+01	3.68E+00	4.29E-01	1.66E+01	2.23E+00	4.42E-04	4.04E-02	1.25E-02	2.28E+00	2.70E+00	1.02E+01	3.68E+00	4.29E-01	1.70E+01
933	490536.72	3860985.12	13.9766	12.9429	19.047	5.56207	2.29E+00	1.00E+01	3.69E+00	4.10E-01	1.64E+01	2.25E+00	4.35E-04	4.05E-02	1.20E-02	2.30E+00	2.73E+00	1.00E+01	3.69E+00	4.10E-01	1.69E+01
934	490586.72	3860985.12	13.9812	12.7551	18.967	5.33927	2.29E+00	9.89E+00	3.68E+00	3.93E-01	1.63E+01	2.25E+00	4.28E-04	4.03E-02	1.15E-02	2.31E+00	2.74E+00	9.89E+00	3.68E+00	3.93E-01	1.67E+01
935	490636.72	3860985.12	13.9494	12.6186	19.085	5.21325	2.28E+00	9.79E+00	3.70E+00	3.84E-01	1.62E+01	2.25E+00	4.24E-04	4.06E-02	1.12E-02	2.30E+00	2.73E+00	9.79E+00	3.70E+00	3.84E-01	1.66E+01
936	490686.72	3860985.12	13.9125	12.5337	19.186	5.10909	2.28E+00	9.72E+00	3.72E+00	3.76E-01	1.61E+01	2.24E+00	4.21E-04	4.08E-02	1.10E-02	2.29E+00	2.72E+00	9.72E+00	3.72E+00	3.76E-01	1.65E+01
937	490736.72	3860985.12	13.9707	12.4608	19.211	5.00298	2.29E+00	9.67E+00	3.73E+00	3.68E-01	1.60E+01	2.25E+00	4.19E-04	4.08E-02	1.08E-02	2.30E+00	2.73E+00	9.67E+00	3.73E+00	3.68E-01	1.65E+01
938	490786.72	3860985.12	13.983	12.3992	19.354	4.90045	2.29E+00	9.62E+00	3.75E+00	3.61E-01	1.60E+01	2.25E+00	4.17E-04	4.12E-02	1.05E-02	2.31E+00	2.74E+00	9.62E+00	3.75E+00	3.61E-01	1.65E+01
939	490836.72	3860985.12	13.9639	12.3843	19.977	4.82337	2.28E+00	9.61E+00	3.87E+00	3.55E-01	1.61E+01	2.25E+00	4.16E-04	4.25E-02	1.04E-02	2.30E+00	2.73E+00	9.61E+00	3.87E+00	3.55E-01	1.66E+01
940	490086.72	3861035.12	13.2124	16.5069	14.619	6.79179	2.16E+00	1.28E+01	2.83E+00	5.00E-01	1.83E+01	2.13E+00	5.54E-04	3.11E-02	1.46E-02	2.18E+00	2.59E+00	1.28E+01	2.83E+00	5.00E-01	1.87E+01
941	490136.72	3861035.12	13.2227	15.9372	15.052	6.78125	2.16E+00	1.24E+01	2.92E+00	4.99E-01	1.79E+01	2.13E+00	5.35E-04	3.20E-02	1.46E-02	2.18E+00	2.59E+00	1.24E+01	2.92E+00	4.99E-01	1.84E+01
942	490186.72	3861035.12	13.3053	15.3998	15.408	6.72362	2.18E+00	1.19E+01	2.99E+00	4.95E-01	1.76E+01	2.14E+00	5.17E-04	3.28E-02	1.45E-02	2.19E+00	2.60E+00	1.19E+01	2.99E+00	4.95E-01	1.80E+01
943	490236.72	3861035.12	13.4172	14.9092	15.613	6.70131	2.19E+00	1.16E+01	3.03E+00	4.93E-01	1.73E+01	2.16E+00	5.01E-04	3.32E-02	1.44E-02	2.21E+00	2.63E+00	1.16E+01	3.03E+00	4.93E-01	1.77E+01
944	490286.72	3861035.12	13.4584	14.4389	16.05	6.63028	2.20E+00	1.12E+01	3.11E+00	4.88E-01	1.70E+01	2.17E+00	4.85E-04	3.41E-02	1.43E-02	2.22E+00	2.63E+00	1.12E+01	3.11E+00	4.88E-01	1.74E+01
945	490336.72	3861035.12	13.3482	14.0625	16.937	6.52589	2.18E+00	1.09E+01	3.28E+00	4.80E-01	1.69E+01	2.15E+00	4.72E-04	3.60E-02	1.40E-02	2.20E+00	2.61E+00	1.09E+01	3.28E+00	4.80E-01	1.73E+01
946	490386.72	3861035.12	13.2419	13.7798	17.706	6.41227	2.17E+00	1.07E+01	3.43E+00	4.72E-01	1.68E+01	2.13E+00	4.63E-04	3.76E-02	1.38E-02	2.19E+00	2.59E+00	1.07E+01	3.43E+00	4.72E-01	1.72E+01
947	490436.72	3861035.12	13.1452	13.5227	18.303	6.25918	2.15E+00	1.05E+01	3.55E+00	4.61E-01	1.66E+01	2.12E+00	4.54E-04	3.89E-02	1.35E-02	2.17E+00	2.57E+00	1.05E+01	3.55E+00	4.61E-01	1.71E+01
948	490486.72	3861035.12	13.3837	13.2764	18.683	6.04952	2.19E+00	1.03E+01	3.62E+00	4.45E-01	1.66E+01	2.16E+00	4.46E-04	3.97E-02	1.30E-02	2.21E+00	2.62E+00	1.03E+01	3.62E+00	4.45E-01	1.70E+01
949	490536.72	3861035.12	13.6679	13.049	18.876	5.80809	2.24E+00	1.01E+01	3.66E+00	4.28E-01	1.64E+01	2.20E+00	4.38E-04	4.01E-02	1.25E-02	2.26E+00	2.67E+00	1.01E+01	3.66E+00	4.28E-01	1.69E+01
950	490586.72	3861035.12	13.8122	12.8401	18.906	5.56404	2.26E+00	9.96E+00	3.67E+00	4.10E-01	1.63E+01	2.23E+00	4.31E-04	4.02E-02	1.20E-02	2.28E+00	2.70E+00	9.96E+00	3.67E+00	4.10E-01	1.67E+01
951	490636.72	3861035.12	13.8207	12.6446	18.795	5.34008	2.26E+00	9.81E+00	3.64E+00	3.93E-01	1.61E+01	2.23E+00	4.25E-04	4.00E-02	1.15E-02	2.28E+00	2.70E+00	9.81E+00	3.64E+00	3.93E-01	1.66E+01
952	490686.72	3861035.12	13.7807	12.4761	18.904	5.19713	2.25E+00	9.68E+00	3.67E+00	3.83E-01	1.60E+01	2.22E+00	4.19E-04	4.02E-02	1.12E-02	2.27E+00	2.70E+00	9.68E+00	3.67E+00	3.83E-01	1.64E+01
953	490736.72	3861035.12	13.7377	12.3641	18.999	5.0992	2.25E+00	9.59E+00	3.68E+00	3.75E-01	1.59E+01	2.21E+00	4.15E-04	4.04E-02	1.10E-02	2.27E+00	2.69E+00	9.59E+00	3.68E+00	3.75E-01	1.63E+01
954	490786.72	3861035.12	13.8266	12.2939	19.043	5.00327	2.26E+00	9.54E+00	3.69E+00	3.68E-01	1.59E+01	2.23E+00	4.13E-04	4.05E-02	1.08E-02	2.28E+00	2.71E+00	9.54E+00	3.69E+00	3.68E-01	1.63E+01
955	490836.72	3861035.12	13.8296	12.2279	19.258	4.90702	2.26E+00	9.49E+00	3.73E+00	3.61E-01	1.58E+01	2.23E+00	4.11E-04	4.09E-02	1.06E-02	2.28E+00	2.71E+00	9.49E+00	3.73E+00	3.61E-01	1.63E+01
956	490086.72	3861085.12	13.3088	17.0887	14.318	6.69838	2.18E+00	1.33E+01	2.78E+00	4.93E-01	1.87E+01	2.14E+00	5.74E-04	3.04E-02	1.44E-02	2.19E+00	2.60E+00	1.33E+01	2.78E+00	4.93E-01	1.91E+01
957	490136.72	3861085.12	13.0379	16.3955	14.613	6.68376	2.13E+00	1.27E+01	2.83E+00	4.92E-01	1.82E+01	2.10E+00	5.51E-04	3.11E-02	1.44E-02	2.15E+00	2.55E+00	1.27E+01	2.83E+00	4.92E-01	1.86E+01
958	490186.72	3861085.12	13.0776	15.8483	15.095	6.67249	2.14E+00	1.23E+01	2.93E+00	4.91E-01	1.79E+01	2.11E+00	5.32E-04	3.21E-02	1.44E-02	2.15E+00	2.56E+00	1.23E+01	2.93E+00	4.91E-01	1.83E+01
959	490236.72	3861085.12	13.1676	15.3262	15.378	6.6204	2.15E+00	1.19E+01	2.98E+00	4.87E-01	1.75E+01	2.12E+00	5.15E-04	3.27E-02	1.43E-02	2.17E+00	2.58E+00	1.19E+01	2.98E+00	4.87E-01	1.79E+01
960	490286.72	3861085.12	13.2752	14.8347	15.563	6.52845	2.17E+00	1.15E+01	3.02E+00	4.81E-01	1.72E+01	2.14E+00	4.98E-04	3.31E-02	1.41E-02	2.19E+00	2.60E+00	1.15E+01	3.02E+00	4.81E-01	1.76E+01
961	490336.72	3861085.12	13.3028	14.3785	16.208	6.45446	2.18E+00	1.12E+01	3.14E+00	4.75E-01	1.69E+01	2.14E+00	4.83E-04	3.45E-02	1.39E-02	2.19E+00	2.60E+00	1.12E+01	3.14E+00	4.75E-01	1.74E+01
962	490386.72	3861085.12	13.203	13.99	17.074	6.39556	2.16E+00	1.09E+01	3.31E+00	4.71E-01	1.68E+01	2.13E+00	4.70E-04	3.63E-02	1.38E-02	2.18E+00	2.58E+00	1.09E+01	3.31E+00	4.71E-01	1.72E+01
963	490436.72	3861085.12	13.0838	13.6861	17.754	6.28653	2.14E+00	1.06E+01	3.44E+00	4.63E-01	1.67E+01	2.11E+00	4.60E-04	3.77E-02	1.35E-02	2.16E+00	2.56E+00	1.06E+01	3.44E+00	4.63E-01	1.71E+01
964	490486.72	3861085.12	12.9819	13.4205	18.258	6.14149	2.12E+00	1.04E+01	3.54E+00	4.52E-01	1.65E+01	2.09E+00	4.51E-04	3.88E-02	1.32E-02	2.14E+00	2.54E+00	1.04E+01	3.54E+00	4.52E-01	1.69E+01
965	490536.72	3861085.12	13.2493	13.1858	18.615	5.97668	2.17E+00	1.02E+01	3.61E+00	4.40E-01	1.64E+01	2.13E+00	4.43E-04	3.96E-02	1.29E-02	2.19E+00	2.59E+00	1.02E+01	3.61E+00	4.40E-01	1.69E+01
966	490586.72	3861085.12	13.5038	12.9523	18.757	5.76083	2.21E+00	1.00E+01	3.64E+00	4.24E-01	1.63E+01	2.18E+00	4.35E-04	3.99E-02	1.24E-02	2.23E+00	2.64E+00	1.00E+01	3.64E+00	4.24E-01	1.68E+01
967	490636.72	3861085.12	13.6256	12.7299	18.731	5.5319	2.23E+00	9.87E+00	3.63E+00	4.07E-01	1.61E+01	2.20E+00	4.28E-04	3.98E-02	1.19E-02	2.25E+00	2.67E+00	9.88E+00	3.63E+00	4.07E-01	1.66E+01
968	490686.72	3861085.12	13.6459	12.5318	18.599	5.32216	2.23E+00	9.72E+00	3.61E+00	3.92E-01	1.60E+01	2.20E+00	4.21E-04	3.95E-02	1.15E-02	2.25E+00	2.67E+00	9.72E+00	3.61E+00	3.92E-01	1.64E+01
969	490736.72	3861085.12	13.6157	12.3504	18.741	5.18146	2.23E+00	9.58E+00	3.63E+00	3.81E-01	1.58E+01	2.19E+00	4.15E-04	3.98E-02	1.12E-02	2.25E+00	2.66E+00	9.58E+00	3.63E+00	3.81E-01	1.63E+01
970	490786.72	3861085.12	13.5787	12.2174	18.839	5.09179	2.22E+00	9.48E+00	3.65E+00	3.75E-01	1.57E+01	2.19E+00	4.10E-04	4.01E-02	1.10E-02	2.24E+00	2.66E+00	9.48E+00	3.65E+00	3.75E-01	1.62E+01
971	490836.72	3861085.12	13.6717	12.1388	18.871	4.99936	2.24E+00	9.42E+00	3.66E+00	3.68E-01	1.57E+01	2.20E+00	4.08E-04	4.01E-02	1.08E-02	2.25E+00	2.68E+00	9.42E+00	3.66E+00	3.68E-01	1.61E+01
972	490086.72	3861135.12	13.3621	17.5746	13.978	6.71244	2.19E+00	1.36E+01	2.71E+00	4.94E-01	1.90E+01	2.15E+00	5.90E-04	2.97E-02	1.45E-02	2.20E+00	2.61E+00	1.36E+01	2.71E+00	4.94E-01	1.95E+01

973	490136.72	3861135.12	13.0827	16.9424	14.328	6.59717	2.14E+00	1.31E+01	2.78E+00	4.86E-01	1.85E+01	2.11E+00	5.69E-04	3.05E-02	1.42E-02	2.15E+00	2.56E+00	1.31E+01	2.78E+00	4.86E-01	1.90E+01
974	490186.72	3861135.12	12.8688	16.2925	14.656	6.56844	2.10E+00	1.26E+01	2.84E+00	4.84E-01	1.81E+01	2.07E+00	5.47E-04	3.12E-02	1.41E-02	2.12E+00	2.52E+00	1.26E+01	2.84E+00	4.84E-01	1.85E+01
975	490236.72	3861135.12	12.8865	15.714	15.065	6.51933	2.11E+00	1.22E+01	2.92E+00	4.80E-01	1.77E+01	2.08E+00	5.28E-04	3.20E-02	1.40E-02	2.12E+00	2.52E+00	1.22E+01	2.92E+00	4.80E-01	1.81E+01
976	490286.72	3861135.12	13.0171	15.2249	15.313	6.49684	2.13E+00	1.18E+01	2.97E+00	4.78E-01	1.74E+01	2.10E+00	5.11E-04	3.26E-02	1.40E-02	2.14E+00	2.55E+00	1.18E+01	2.97E+00	4.78E-01	1.78E+01
977	490336.72	3861135.12	13.1266	14.7575	15.59	6.42669	2.15E+00	1.14E+01	3.02E+00	4.73E-01	1.71E+01	2.12E+00	4.96E-04	3.31E-02	1.38E-02	2.16E+00	2.57E+00	1.14E+01	3.02E+00	4.73E-01	1.75E+01
978	490386.72	3861135.12	13.16	14.3258	16.37	6.33157	2.15E+00	1.11E+01	3.17E+00	4.66E-01	1.69E+01	2.12E+00	4.81E-04	3.48E-02	1.36E-02	2.17E+00	2.58E+00	1.11E+01	3.17E+00	4.66E-01	1.73E+01
979	490436.72	3861135.12	13.0358	13.9189	17.146	6.23413	2.13E+00	1.08E+01	3.32E+00	4.59E-01	1.67E+01	2.10E+00	4.68E-04	3.65E-02	1.34E-02	2.15E+00	2.55E+00	1.08E+01	3.32E+00	4.59E-01	1.71E+01
980	490486.72	3861135.12	12.9163	13.5753	17.769	6.14465	2.11E+00	1.05E+01	3.45E+00	4.52E-01	1.65E+01	2.08E+00	4.56E-04	3.78E-02	1.32E-02	2.13E+00	2.53E+00	1.05E+01	3.45E+00	4.52E-01	1.70E+01
981	490536.72	3861135.12	12.8346	13.32	18.224	6.02416	2.10E+00	1.03E+01	3.53E+00	4.44E-01	1.64E+01	2.07E+00	4.47E-04	3.87E-02	1.30E-02	2.12E+00	2.51E+00	1.03E+01	3.53E+00	4.44E-01	1.68E+01
982	490586.72	3861135.12	13.0833	13.0755	18.497	5.86638	2.14E+00	1.01E+01	3.59E+00	4.32E-01	1.63E+01	2.11E+00	4.39E-04	3.93E-02	1.26E-02	2.16E+00	2.56E+00	1.01E+01	3.59E+00	4.32E-01	1.67E+01
983	490636.72	3861135.12	13.3204	12.8389	18.592	5.67454	2.18E+00	9.96E+00	3.61E+00	4.18E-01	1.62E+01	2.15E+00	4.31E-04	3.95E-02	1.22E-02	2.20E+00	2.61E+00	9.96E+00	3.61E+00	4.18E-01	1.66E+01
984	490686.72	3861135.12	13.4548	12.631	18.576	5.49136	2.20E+00	9.80E+00	3.60E+00	4.04E-01	1.60E+01	2.17E+00	4.24E-04	3.95E-02	1.18E-02	2.22E+00	2.63E+00	9.80E+00	3.60E+00	4.04E-01	1.64E+01
985	490736.72	3861135.12	13.4826	12.4409	18.452	5.31403	2.21E+00	9.65E+00	3.58E+00	3.91E-01	1.58E+01	2.17E+00	4.18E-04	3.92E-02	1.14E-02	2.22E+00	2.64E+00	9.65E+00	3.58E+00	3.91E-01	1.63E+01
986	490786.72	3861135.12	13.4547	12.2582	18.605	5.17471	2.20E+00	9.51E+00	3.61E+00	3.81E-01	1.57E+01	2.17E+00	4.12E-04	3.96E-02	1.11E-02	2.22E+00	2.63E+00	9.51E+00	3.61E+00	3.81E-01	1.61E+01
987	490836.72	3861135.12	13.4153	12.0914	18.682	5.08163	2.19E+00	9.38E+00	3.62E+00	3.74E-01	1.56E+01	2.16E+00	4.06E-04	3.97E-02	1.09E-02	2.21E+00	2.63E+00	9.38E+00	3.62E+00	3.74E-01	1.60E+01
988	490086.72	3861185.12	13.4664	17.8648	13.708	6.77997	2.20E+00	1.39E+01	2.66E+00	4.99E-01	1.92E+01	2.17E+00	6.00E-04	2.91E-02	1.46E-02	2.21E+00	2.64E+00	1.39E+01	2.66E+00	4.99E-01	1.97E+01
989	490136.72	3861185.12	13.1346	17.3256	13.984	6.6707	2.15E+00	1.34E+01	2.71E+00	4.91E-01	1.88E+01	2.12E+00	5.82E-04	2.97E-02	1.44E-02	2.16E+00	2.57E+00	1.34E+01	2.71E+00	4.91E-01	1.92E+01
990	490186.72	3861185.12	12.8321	16.7516	14.292	6.55908	2.10E+00	1.30E+01	2.77E+00	4.83E-01	1.83E+01	2.07E+00	5.63E-04	3.04E-02	1.41E-02	2.11E+00	2.51E+00	1.30E+01	2.77E+00	4.83E-01	1.88E+01
991	490236.72	3861185.12	12.6713	16.1487	14.646	6.43586	2.07E+00	1.25E+01	2.84E+00	4.74E-01	1.79E+01	2.04E+00	5.42E-04	3.11E-02	1.39E-02	2.09E+00	2.48E+00	1.25E+01	2.84E+00	4.74E-01	1.83E+01
992	490286.72	3861185.12	12.7054	15.5954	15.02	6.39277	2.08E+00	1.21E+01	2.91E+00	4.71E-01	1.76E+01	2.05E+00	5.24E-04	3.19E-02	1.38E-02	2.09E+00	2.49E+00	1.21E+01	2.91E+00	4.71E-01	1.80E+01
993	490336.72	3861185.12	12.8299	15.0693	15.186	6.33662	2.10E+00	1.17E+01	2.94E+00	4.67E-01	1.72E+01	2.07E+00	5.06E-04	3.23E-02	1.36E-02	2.11E+00	2.51E+00	1.17E+01	2.94E+00	4.67E-01	1.76E+01
994	490386.72	3861185.12	12.9536	14.6462	15.583	6.29776	2.12E+00	1.14E+01	3.02E+00	4.64E-01	1.70E+01	2.09E+00	4.92E-04	3.31E-02	1.36E-02	2.13E+00	2.53E+00	1.14E+01	3.02E+00	4.64E-01	1.74E+01
995	490436.72	3861185.12	12.9864	14.2451	16.464	6.23306	2.12E+00	1.10E+01	3.19E+00	4.59E-01	1.68E+01	2.09E+00	4.79E-04	3.50E-02	1.34E-02	2.14E+00	2.54E+00	1.11E+01	3.19E+00	4.59E-01	1.72E+01
996	490486.72	3861185.12	12.8507	13.8491	17.185	6.12437	2.10E+00	1.07E+01	3.33E+00	4.51E-01	1.66E+01	2.07E+00	4.65E-04	3.65E-02	1.32E-02	2.12E+00	2.51E+00	1.07E+01	3.33E+00	4.51E-01	1.70E+01
997	490536.72	3861185.12	12.7608	13.5127	17.802	6.01715	2.09E+00	1.05E+01	3.45E+00	4.43E-01	1.65E+01	2.06E+00	4.54E-04	3.79E-02	1.30E-02	2.11E+00	2.50E+00	1.05E+01	3.45E+00	4.43E-01	1.69E+01
998	490586.72	3861185.12	12.6885	13.2104	18.177	5.89815	2.08E+00	1.02E+01	3.52E+00	4.34E-01	1.63E+01	2.04E+00	4.44E-04	3.86E-02	1.27E-02	2.10E+00	2.48E+00	1.02E+01	3.52E+00	4.34E-01	1.67E+01
999	490636.72	3861185.12	12.8998	12.952	18.36	5.73963	2.11E+00	1.00E+01	3.56E+00	4.23E-01	1.61E+01	2.08E+00	4.35E-04	3.90E-02	1.24E-02	2.13E+00	2.52E+00	1.00E+01	3.56E+00	4.23E-01	1.66E+01
1000	490686.72	3861185.12	13.1401	12.7324	18.448	5.58563	2.15E+00	9.88E+00	3.58E+00	4.11E-01	1.60E+01	2.12E+00	4.28E-04	3.92E-02	1.20E-02	2.17E+00	2.57E+00	9.88E+00	3.58E+00	4.11E-01	1.64E+01
1001	490736.72	3861185.12	13.2893	12.5407	18.438	5.44542	2.17E+00	9.73E+00	3.58E+00	4.01E-01	1.59E+01	2.14E+00	4.21E-04	3.92E-02	1.17E-02	2.19E+00	2.60E+00	9.73E+00	3.58E+00	4.01E-01	1.63E+01
1002	490786.72	3861185.12	13.3105	12.3534	18.334	5.2918	2.18E+00	9.58E+00	3.56E+00	3.90E-01	1.57E+01	2.14E+00	4.15E-04	3.90E-02	1.14E-02	2.20E+00	2.60E+00	9.58E+00	3.56E+00	3.90E-01	1.61E+01
1003	490836.72	3861185.12	13.2755	12.1699	18.469	5.17289	2.17E+00	9.44E+00	3.58E+00	3.81E-01	1.56E+01	2.14E+00	4.09E-04	3.93E-02	1.11E-02	2.19E+00	2.60E+00	9.44E+00	3.58E+00	3.81E-01	1.60E+01
1004	490086.72	3861235.12	13.4877	18.1814	13.42	6.99026	2.21E+00	1.41E+01	2.60E+00	5.15E-01	1.94E+01	2.17E+00	6.11E-04	2.85E-02	1.50E-02	2.22E+00	2.64E+00	1.41E+01	2.60E+00	5.15E-01	1.99E+01
1005	490136.72	3861235.12	13.2193	17.5759	13.64	6.72993	2.16E+00	1.36E+01	2.64E+00	4.95E-01	1.89E+01	2.13E+00	5.90E-04	2.90E-02	1.45E-02	2.17E+00	2.59E+00	1.36E+01	2.64E+00	4.95E-01	1.94E+01
1006	490186.72	3861235.12	12.9291	17.0911	14.005	6.6444	2.11E+00	1.33E+01	2.72E+00	4.89E-01	1.86E+01	2.08E+00	5.74E-04	2.98E-02	1.43E-02	2.13E+00	2.53E+00	1.33E+01	2.72E+00	4.89E-01	1.90E+01
1007	490236.72	3861235.12	12.5919	16.5542	14.241	6.5247	2.06E+00	1.28E+01	2.76E+00	4.80E-01	1.81E+01	2.03E+00	5.56E-04	3.03E-02	1.40E-02	2.07E+00	2.46E+00	1.28E+01	2.76E+00	4.80E-01	1.85E+01
1008	490386.72	3861235.12	12.6583	14.9371	15.094	6.19497	2.07E+00	1.16E+01	2.93E+00	4.56E-01	1.70E+01	2.04E+00	5.02E-04	3.21E-02	1.33E-02	2.09E+00	2.48E+00	1.16E+01	2.93E+00	4.56E-01	1.74E+01
1009	490436.72	3861235.12	12.7656	14.5151	15.663	6.16216	2.09E+00	1.13E+01	3.04E+00	4.54E-01	1.68E+01	2.06E+00	4.88E-04	3.33E-02	1.33E-02	2.10E+00	2.50E+00	1.13E+01	3.04E+00	4.54E-01	1.72E+01
1010	490486.72	3861235.12	12.778	14.1248	16.481	6.10244	2.09E+00	1.10E+01	3.20E+00	4.49E-01	1.67E+01	2.06E+00	4.74E-04	3.50E-02	1.31E-02	2.11E+00	2.50E+00	1.10E+01	3.20E+00	4.49E-01	1.71E+01
1011	490536.72	3861235.12	12.6841	13.786	17.233	6.04869	2.07E+00	1.07E+01	3.34E+00	4.45E-01	1.66E+01	2.04E+00	4.63E-04	3.66E-02	1.30E-02	2.09E+00	2.48E+00	1.07E+01	3.34E+00	4.45E-01	1.70E+01
1012	490586.72	3861235.12	12.593	13.4407	17.795	5.95332	2.06E+00	1.04E+01	3.45E+00	4.38E-01	1.64E+01	2.03E+00	4.51E-04	3.78E-02	1.28E-02	2.08E+00	2.46E+00	1.04E+01	3.45E+00	4.38E-01	1.68E+01
1013	490636.72	3861235.12	12.4933	13.0878	18.042	5.78281	2.04E+00	1.02E+01	3.50E+00	4.26E-01	1.61E+01	2.01E+00	4.40E-04	3.84E-02	1.24E-02	2.06E+00	2.44E+00	1.02E+01	3.50E+00	4.26E-01	1.65E+01
1014	490686.72	3861235.12	12.7361	12.834	18.246	5.64358	2.08E+00	9.96E+00	3.54E+00	4.16E-01	1.60E+01	2.05E+00	4.31E-04	3.88E-02	1.21E-02	2.10E+00	2.49E+00	9.96E+00	3.54E+00	4.16E-01	1.64E+01
1015	490736.72	3861235.12	12.9863	12.6396	18.34	5.51022	2.12E+00	9.80E+00	3.56E+00	4.06E-01	1.59E+01	2.09E+00	4.25E-04	3.90E-02	1.19E-02	2.14E+00	2.54E+00	9.81E+00	3.56E+00	4.06E-01	1.63E+01
1016	490786.72	3861235.12	13.1276	12.4536	18.309	5.4033	2.15E+00	9.66E+00	3.55E+00	3.98E-01	1.58E+01	2.12E+00	4.18E-04	3.89E-02	1.16E-02	2.17E+00	2.57E+00	9.66E+00	3.55E+00	3.98E-01	1.62E+01
1017	490836.72	3861235.12	13.1269	12.2641	18.209	5.28642	2.15E+00	9.51E+00	3.53E+00	3.89E-01	1.56E+01	2.12E+00	4.12E-04	3.87E-02	1.14E-02	2.17E+00	2.57E+00	9.51E+00	3.53E+00	3.89E-01	1.60E+01
1018	490086.72	3861285.12	13.5107	18.3263	13.139	7.21786	2.21E+00	1.42E+01	2.55E+00	5.31E-01	1.95E+01	2.18E+00	6.16E-04	2.79E-02	1.55E-02	2.22E+00	2.64E+00	1.42E+01	2.55E+00	5.31E-01	1.99E+01
1019	490136.72	3861285.12	13.3134	17.9247	13.403	6.98225	2.18E+00	1.39E+01	2.60E+00	5.14E-01	1.92E+01	2.15E+00	6.02E-04	2.85E-02	1.50E-02	2.19E+00	2.61E+00	1.39E+01	2.60E+00	5.14E-01	1.96E+01
1020	490186.72	3861285.12	13.0068	17.3568	13.673	6.70611	2.13E+00	1.35E+01	2.65E+00	4.94E-01	1.87E+01	2.10E+00	5.83E-04	2.91E-02	1.44E-02	2.14E+00	2.55E+00	1.35E+01	2.65E+00	4.94E-01	1.92E+01
1021	490236.72	3861285.12	12.7184	16.8375	13.998	6.61125	2.08E+00	1.31E+01	2.71E+00	4.87E-01	1.83E+01	2.05E+00	5.66E-04	2.98E-02	1.42E-02	2.09E+00	2.49E+00	1.31E+01	2.71E+00	4.87E-01	1.88E+01
1022	490386.72	3861285.12	12.3685	15.2984	14.847	6.2428	2.02E+00	1.19E+01	2.88E+00	4.60E-01	1.72E+01	1.99E+00	5.14E-04	3.16E-02	1.34E-02	2.04E+00	2.42E+00	1.19E+01	2.88E+00	4.60E-01	1.76E+01
1023	490436.72	3861285.12	12.5165	14.8482	15.122	6.10758	2.05E+00	1.15E+01	2.93E+00	4.50E-01	1.69E+01	2.02E+00	4.99E-04	3.22E-02	1.31E-02	2.06E+00	2.45E+00	1.15E+01	2.93E+00	4.50E-01	1.73E+01
1024	490486.72	3861285.12	12.6108	14.4049	15.79	6.04838	2.06E+00	1.12E+01	3.06E+00	4.45E-01	1.67E+01	2.03E+00	4.84E-04	3.36E-02	1.30E-02	2.08E+00	2.47E+00	1.12E+01	3.06E+00	4.45E-01	1.71E+01
1025	490536.72	3861285.12	12.6121	14.0387	16.561	6.00495	2.06E+00	1.09E+01	3.21E+00	4.42E-01	1.66E+01	2.03E+00	4.72E-04	3.52E-02	1.29E-02	2.08E+00	2.47E+00	1.09E+01	3.21E+00	4.42E-01	1.70E+01
1026	490586.72	3861285.12	12.47	13.6875	17.202	5.94079	2.04E+00	1.06E+01	3.34E+00	4.37E-01	1.64E+01	2.01E+00	4.60E-04	3.66E-02	1.28E-02	2.06E+00	2.44E+00	1.06E+01	3.34E+00	4.37E-01	1.68E+01
1027	490636.72	3861285.12	12.3316	13.3137	17.622	5.82671	2.02E+00	1.03E+01	3.42E+00	4.29E-01	1.62E+01	1.99E+00	4.47E-04	3.75E-02	1.25E-02	2.04E+00	2.41E+00	1.03E+01	3.42E+00	4.29E-01	1.66E+01
1028	490686.72	3861285.12	12.3201	12.9949	17.94	5.71474	2.02E+00	1.01E+01	3.48E+00	4.21E-01	1.60E+01	1.99E+00	4.37E-04	3.81E-02	1.23E-02	2.04E+00	2.41E+00	1.01E+01	3.48E+00	4.21E-01	1.64E+01
1029	490736.72	3861285.12	12.6035	12.7419	18.176	5.61106	2.06E+00	9.88E+00	3.52E+00	4.13E-01	1.59E+01	2.03E+00	4.28E-04	3.86E-02	1.21E-02	2.08E+00	2.47E+00	9.88E+00	3.52E+00	4.13E-01	1.63E+01
1030	490786.72	3861285.12	12.8245	12.5349	18.215	5.49736	2.10E+00	9.72E+00	3.53E+00	4.05E-01	1.58E+01	2.07E+00	4.21E-04	3.87E-02	1.18E-02	2.12E+00	2.51E+00	9.72E+00	3.53E+00	4.05E-01	1.62E+01
1031	490836.72	3861285.12	12.9215	12.3345	18.113	5.38076	2.11E+00	9.57E+00	3.51E+00	3.96E-01	1.56E+01	2.08E+00	4.14E-04	3.85E-02	1.16E-02	2.13E+00	2.53E+00	9.57E+00	3.51E+00	3.96E-01	1.60E+01
1032	490061.24	3859716.13	15.0041	13.3055	26.536	5.276	2.45E+00	1.03E+01	5.15E+00	3.88E-01	1.83E+01	2.42E+00	4.47E-04	5.64E-02	1.14E-02	2.49E+00	2.94E+00	1.03E+01	5.15E+00	3.88E-01	1.88E+01
1033	490111.24	3859716.13	14.8795	12.7345	25.838	5.261	2.43E+00	9.88E+00	5.01E+00	3.87E-01	1.77E+01	2.40E+00	4.28E-04	5.49E-02	1.13E-02	2.46E+00	2.91E+00	9.88E+00	5.01E+00	3.87E-01	1.82E+01

1034	490161.24	3859716.13	14.7388	12.2369	25.3	5.24059	2.41E+00	9.49E+00	4.91E+00	3.86E-01	1.72E+01	2.37E+00	4.11E-04	5.38E-02	1.13E-02	2.44E+00	2.88E+00	9.49E+00	4.91E+00	3.86E-01	1.77E+01
1035	490211.24	3859716.13	14.6148	11.8481	24.858	5.21475	2.39E+00	9.19E+00	4.82E+00	3.84E-01	1.68E+01	2.35E+00	3.98E-04	5.29E-02	1.12E-02	2.42E+00	2.86E+00	9.19E+00	4.82E+00	3.84E-01	1.73E+01
1036	490061.24	3859766.13	15.1015	14.1412	26.884	5.58564	2.47E+00	1.10E+01	5.21E+00	4.11E-01	1.91E+01	2.43E+00	4.75E-04	5.72E-02	1.20E-02	2.50E+00	2.96E+00	1.10E+01	5.21E+00	4.11E-01	1.95E+01
1037	490111.24	3859766.13	15.0098	13.4987	26.492	5.54533	2.46E+00	1.05E+01	5.14E+00	4.08E-01	1.85E+01	2.42E+00	4.53E-04	5.63E-02	1.19E-02	2.49E+00	2.94E+00	1.05E+01	5.14E+00	4.08E-01	1.90E+01
1038	490161.24	3859766.13	14.9254	12.7201	25.771	5.50335	2.44E+00	9.87E+00	5.00E+00	4.05E-01	1.77E+01	2.40E+00	4.27E-04	5.48E-02	1.18E-02	2.47E+00	2.92E+00	9.87E+00	5.00E+00	4.05E-01	1.82E+01
1039	490211.24	3859766.13	14.8188	12.2408	25.109	5.46139	2.42E+00	9.50E+00	4.87E+00	4.02E-01	1.72E+01	2.39E+00	4.11E-04	5.34E-02	1.18E-02	2.45E+00	2.90E+00	9.50E+00	4.87E+00	4.02E-01	1.77E+01
1040	490061.24	3859816.13	15.0553	14.8977	26.719	6.05422	2.46E+00	1.16E+01	5.18E+00	4.46E-01	1.96E+01	2.43E+00	5.00E-04	5.68E-02	1.30E-02	2.50E+00	2.95E+00	1.16E+01	5.18E+00	4.46E-01	2.01E+01
1041	490111.24	3859816.13	15.0527	13.9892	26.69	5.97741	2.46E+00	1.09E+01	5.18E+00	4.40E-01	1.89E+01	2.43E+00	4.70E-04	5.67E-02	1.29E-02	2.50E+00	2.95E+00	1.09E+01	5.18E+00	4.40E-01	1.94E+01
1042	490161.24	3859816.13	14.9809	13.4308	26.352	5.90262	2.45E+00	1.04E+01	5.11E+00	4.35E-01	1.84E+01	2.41E+00	4.51E-04	5.60E-02	1.27E-02	2.48E+00	2.93E+00	1.04E+01	5.11E+00	4.35E-01	1.89E+01
1043	490211.24	3859816.13	14.931	12.8846	25.708	5.82902	2.44E+00	9.99E+00	4.99E+00	4.29E-01	1.79E+01	2.41E+00	4.33E-04	5.47E-02	1.25E-02	2.47E+00	2.92E+00	1.00E+01	4.99E+00	4.29E-01	1.83E+01
1044	490061.24	3859866.13	15.1498	15.1952	26.101	6.80939	2.48E+00	1.18E+01	5.06E+00	5.01E-01	1.98E+01	2.44E+00	5.10E-04	5.55E-02	1.47E-02	2.51E+00	2.96E+00	1.18E+01	5.06E+00	5.01E-01	2.03E+01
1045	490111.24	3859866.13	14.9735	14.6775	26.497	6.65081	2.45E+00	1.14E+01	5.14E+00	4.90E-01	1.95E+01	2.41E+00	4.93E-04	5.63E-02	1.43E-02	2.48E+00	2.93E+00	1.14E+01	5.14E+00	4.90E-01	1.99E+01
1046	490161.24	3859866.13	14.9909	14.1319	26.55	6.49964	2.45E+00	1.10E+01	5.15E+00	4.79E-01	1.90E+01	2.42E+00	4.75E-04	5.64E-02	1.40E-02	2.49E+00	2.93E+00	1.10E+01	5.15E+00	4.79E-01	1.95E+01
1047	490211.24	3859866.13	14.9364	13.6107	26.258	6.35465	2.44E+00	1.06E+01	5.09E+00	4.68E-01	1.86E+01	2.41E+00	4.57E-04	5.58E-02	1.37E-02	2.48E+00	2.92E+00	1.06E+01	5.09E+00	4.68E-01	1.90E+01
1048	490061.24	3859916.13	15.3544	15.6926	25.347	7.74423	2.51E+00	1.22E+01	4.91E+00	5.70E-01	2.02E+01	2.47E+00	5.27E-04	5.39E-02	1.67E-02	2.55E+00	3.00E+00	1.22E+01	4.91E+00	5.70E-01	2.07E+01
1049	490111.24	3859916.13	15.0827	15.2392	25.885	7.56011	2.47E+00	1.18E+01	5.02E+00	5.57E-01	1.99E+01	2.43E+00	5.12E-04	5.50E-02	1.63E-02	2.50E+00	2.95E+00	1.18E+01	5.02E+00	5.57E-01	2.03E+01
1050	490161.24	3859916.13	14.8851	14.7693	26.294	7.37844	2.43E+00	1.15E+01	5.10E+00	5.43E-01	1.95E+01	2.40E+00	4.96E-04	5.59E-02	1.59E-02	2.47E+00	2.91E+00	1.15E+01	5.10E+00	5.43E-01	2.00E+01
1051	490211.24	3859916.13	14.91	14.2736	26.328	7.20028	2.44E+00	1.11E+01	5.11E+00	5.30E-01	1.91E+01	2.40E+00	4.79E-04	5.60E-02	1.55E-02	2.47E+00	2.92E+00	1.11E+01	5.11E+00	5.30E-01	1.96E+01
1052	490229.25	3859815.26	14.9097	12.6977	25.438	5.79687	2.44E+00	9.85E+00	4.93E+00	4.27E-01	1.76E+01	2.40E+00	4.27E-04	5.41E-02	1.25E-02	2.47E+00	2.92E+00	9.85E+00	4.93E+00	4.27E-01	1.81E+01
1053	490279.25	3859815.26	14.8261	12.2196	24.807	5.72512	2.42E+00	9.48E+00	4.81E+00	4.22E-01	1.71E+01	2.39E+00	4.10E-04	5.27E-02	1.23E-02	2.45E+00	2.90E+00	9.48E+00	4.81E+00	4.22E-01	1.76E+01
1054	490329.25	3859815.26	14.7314	11.7935	24.357	5.65482	2.41E+00	9.15E+00	4.72E+00	4.16E-01	1.67E+01	2.37E+00	3.96E-04	5.18E-02	1.22E-02	2.44E+00	2.88E+00	9.15E+00	4.72E+00	4.16E-01	1.72E+01
1055	490379.25	3859815.26	14.6781	11.367	23.882	5.59301	2.40E+00	8.82E+00	4.63E+00	4.12E-01	1.63E+01	2.37E+00	3.82E-04	5.08E-02	1.20E-02	2.43E+00	2.87E+00	8.82E+00	4.63E+00	4.12E-01	1.67E+01
1056	490429.25	3859815.26	14.5878	11.0594	23.388	5.53898	2.39E+00	8.58E+00	4.54E+00	4.08E-01	1.59E+01	2.35E+00	3.72E-04	4.97E-02	1.19E-02	2.41E+00	2.85E+00	8.58E+00	4.54E+00	4.08E-01	1.64E+01
1057	490229.25	3859865.26	14.9354	13.4089	26.068	6.28831	2.44E+00	1.04E+01	5.05E+00	4.63E-01	1.84E+01	2.41E+00	4.50E-04	5.54E-02	1.35E-02	2.48E+00	2.92E+00	1.04E+01	5.05E+00	4.63E-01	1.88E+01
1058	490279.25	3859865.26	14.9007	12.873	25.343	6.15161	2.44E+00	9.99E+00	4.91E+00	4.53E-01	1.78E+01	2.40E+00	4.32E-04	5.39E-02	1.32E-02	2.47E+00	2.92E+00	9.99E+00	4.91E+00	4.53E-01	1.83E+01
1059	490329.25	3859865.26	14.8268	12.3749	24.588	6.03118	2.43E+00	9.60E+00	4.77E+00	4.44E-01	1.72E+01	2.39E+00	4.16E-04	5.23E-02	1.30E-02	2.45E+00	2.90E+00	9.60E+00	4.77E+00	4.44E-01	1.77E+01
1060	490379.25	3859865.26	14.7526	11.9282	24.219	5.93976	2.41E+00	9.25E+00	4.70E+00	4.37E-01	1.68E+01	2.38E+00	4.01E-04	5.15E-02	1.28E-02	2.44E+00	2.89E+00	9.25E+00	4.70E+00	4.37E-01	1.73E+01
1061	490429.25	3859865.26	14.6955	11.5253	23.75	5.8609	2.40E+00	8.94E+00	4.61E+00	4.32E-01	1.64E+01	2.37E+00	3.87E-04	5.05E-02	1.26E-02	2.43E+00	2.88E+00	8.94E+00	4.61E+00	4.32E-01	1.69E+01
1062	490229.25	3859915.26	14.909	14.0754	26.278	7.12553	2.44E+00	1.09E+01	5.10E+00	5.25E-01	1.90E+01	2.40E+00	4.73E-04	5.59E-02	1.53E-02	2.47E+00	2.92E+00	1.09E+01	5.10E+00	5.25E-01	1.95E+01
1063	490279.25	3859915.26	14.8731	13.5642	25.843	6.95302	2.43E+00	1.05E+01	5.01E+00	5.12E-01	1.85E+01	2.40E+00	4.56E-04	5.49E-02	1.50E-02	2.47E+00	2.91E+00	1.05E+01	5.01E+00	5.12E-01	1.90E+01
1064	490329.25	3859915.26	14.8615	13.0682	25.187	6.78729	2.43E+00	1.01E+01	4.88E+00	5.00E-01	1.80E+01	2.39E+00	4.39E-04	5.36E-02	1.46E-02	2.46E+00	2.91E+00	1.01E+01	4.88E+00	5.00E-01	1.84E+01
1065	490379.25	3859915.26	14.8096	12.5564	24.408	6.63317	2.42E+00	9.74E+00	4.73E+00	4.88E-01	1.74E+01	2.39E+00	4.22E-04	5.19E-02	1.43E-02	2.45E+00	2.90E+00	9.74E+00	4.73E+00	4.88E-01	1.79E+01
1066	490429.25	3859915.26	14.7419	12.0635	24.002	6.48926	2.41E+00	9.36E+00	4.65E+00	4.78E-01	1.69E+01	2.38E+00	4.05E-04	5.10E-02	1.40E-02	2.44E+00	2.88E+00	9.36E+00	4.65E+00	4.78E-01	1.74E+01
1067	490451.43	3859872.59	14.6877	11.4277	23.546	5.87554	2.40E+00	8.86E+00	4.57E+00	4.33E-01	1.63E+01	2.37E+00	3.84E-04	5.01E-02	1.26E-02	2.43E+00	2.87E+00	8.86E+00	4.57E+00	4.33E-01	1.67E+01
1068	490501.43	3859872.59	14.6077	11.0415	23.033	5.79698	2.39E+00	8.56E+00	4.47E+00	4.27E-01	1.58E+01	2.35E+00	3.71E-04	4.90E-02	1.25E-02	2.42E+00	2.86E+00	8.57E+00	4.47E+00	4.27E-01	1.63E+01
1069	490551.43	3859872.59	14.4204	10.7461	22.976	5.72317	2.36E+00	8.34E+00	4.46E+00	4.21E-01	1.56E+01	2.32E+00	3.61E-04	4.89E-02	1.23E-02	2.39E+00	2.82E+00	8.34E+00	4.46E+00	4.21E-01	1.60E+01
1070	490601.43	3859872.59	14.174	10.5816	22.947	5.65146	2.32E+00	8.21E+00	4.45E+00	4.16E-01	1.54E+01	2.28E+00	3.55E-04	4.88E-02	1.22E-02	2.35E+00	2.77E+00	8.21E+00	4.45E+00	4.16E-01	1.58E+01
1071	490451.43	3859922.59	14.7074	11.9551	23.842	6.51893	2.41E+00	9.27E+00	4.62E+00	4.80E-01	1.68E+01	2.37E+00	4.02E-04	5.07E-02	1.40E-02	2.43E+00	2.88E+00	9.27E+00	4.62E+00	4.80E-01	1.73E+01
1072	490501.43	3859922.59	14.6702	11.551	23.385	6.37917	2.40E+00	8.96E+00	4.53E+00	4.70E-01	1.64E+01	2.36E+00	3.88E-04	4.97E-02	1.37E-02	2.43E+00	2.87E+00	8.96E+00	4.53E+00	4.70E-01	1.68E+01
1073	490551.43	3859922.59	14.6197	11.1715	22.952	6.24579	2.39E+00	8.67E+00	4.45E+00	4.60E-01	1.60E+01	2.36E+00	3.75E-04	4.88E-02	1.34E-02	2.42E+00	2.86E+00	8.67E+00	4.45E+00	4.60E-01	1.64E+01
1074	490601.43	3859922.59	14.4728	10.8038	22.682	6.12064	2.37E+00	8.38E+00	4.40E+00	4.51E-01	1.56E+01	2.33E+00	3.63E-04	4.82E-02	1.32E-02	2.39E+00	2.83E+00	8.38E+00	4.40E+00	4.51E-01	1.61E+01
1075	482129.67	3852241.07	21.9478	5.80181	6.0065	2.91189	3.59E+00	4.50E+00	1.16E+00	2.14E-01	9.47E+00	3.54E+00	1.95E-04	1.28E-02	6.27E-03	3.56E+00	4.29E+00	4.50E+00	1.16E+00	2.14E-01	1.02E+01
1076	482029.67	3852291.07	21.7776	5.85163	6.352	2.8516	3.56E+00	4.54E+00	1.23E+00	2.10E-01	9.54E+00	3.51E+00	1.97E-04	1.35E-02	6.14E-03	3.53E+00	4.26E+00	4.54E+00	1.23E+00	2.10E-01	1.02E+01
1077	482079.67	3852291.07	21.9404	5.95114	6.2602	2.8744	3.59E+00	4.62E+00	1.21E+00	2.12E-01	9.63E+00	3.54E+00	2.00E-04	1.33E-02	6.19E-03	3.55E+00	4.29E+00	4.62E+00	1.21E+00	2.12E-01	1.03E+01
1078	482129.67	3852291.07	22.1272	5.92365	6.1611	2.90629	3.62E+00	4.59E+00	1.19E+00	2.14E-01	9.62E+00	3.57E+00	1.99E-04	1.31E-02	6.26E-03	3.58E+00	4.33E+00	4.60E+00	1.19E+00	2.14E-01	1.03E+01
1079	482179.67	3852291.07	22.2026	5.84509	6.0551	2.95987	3.63E+00	4.53E+00	1.17E+00	2.18E-01	9.56E+00	3.58E+00	1.96E-04	1.29E-02	6.37E-03	3.60E+00	4.34E+00	4.53E+00	1.17E+00	2.18E-01	1.03E+01
1080	482229.67	3852291.07	22.9048	5.62942	5.9427	3.06831	3.75E+00	4.37E+00	1.15E+00	2.26E-01	9.49E+00	3.69E+00	1.89E-04	1.26E-02	6.61E-03	3.71E+00	4.48E+00	4.37E+00	1.15E+00	2.26E-01	1.02E+01
1081	482029.67	3852341.07	21.3625	5.81672	6.4881	2.83316	3.49E+00	4.51E+00	1.26E+00	2.09E-01	9.47E+00	3.44E+00	1.95E-04	1.38E-02	6.10E-03	3.46E+00	4.18E+00	4.51E+00	1.26E+00	2.09E-01	1.02E+01
1082	482079.67	3852341.07	22.0182	5.99885	6.4036	2.86439	3.60E+00	4.65E+00	1.24E+00	2.11E-01	9.71E+00	3.55E+00	2.02E-04	1.36E-02	6.17E-03	3.57E+00	4.31E+00	4.65E+00	1.24E+00	2.11E-01	1.04E+01
1083	482129.67	3852341.07	22.1697	6.04245	6.3112	2.88962	3.63E+00	4.69E+00	1.22E+00	2.13E-01	9.75E+00	3.57E+00	2.03E-04	1.34E-02	6.22E-03	3.59E+00	4.34E+00	4.69E+00	1.22E+00	2.13E-01	1.05E+01
1084	482179.67	3852341.07	22.3701	6.00869	6.2114	2.93277	3.66E+00	4.66E+00	1.20E+00	2.16E-01	9.74E+00	3.60E+00	2.02E-04	1.32E-02	6.31E-03	3.62E+00	4.38E+00	4.66E+00	1.20E+00	2.16E-01	1.05E+01
1085	482259.06	3852400.14	22.5385	6.21036	6.2288	2.89685	3.69E+00	4.82E+00	1.21E+00	2.13E-01	9.92E+00	3.63E+00	2.09E-04	1.32E-02	6.24E-03	3.65E+00	4.41E+00	4.82E+00	1.21E+00	2.13E-01	1.06E+01
1086	482309.06	3852400.14	23.1122	5.87738	6.1182	3.08234	3.78E+00	4.56E+00	1.19E+00	2.27E-01	9.75E+00	3.72E+00	1.97E-04	1.30E-02	6.64E-03	3.74E+00	4.52E+00	4.56E+00	1.19E+00	2.27E-01	1.05E+01
1087	482209.06	3852450.14	22.5392	6.35405	6.4811	2.85065	3.69E+00	4.93E+00	1.26E+00	2.10E-01	1.01E+01	3.63E+00	2.13E-04	1.38E-02	6.14E-03	3.65E+00	4.41E+00	4.93E+00	1.26E+00	2.10E-01	1.08E+01
1088	482259.06	3852450.14	22.6314	6.34423	6.3846	2.90552	3.70E+00	4.92E+00	1.24E+00	2.14E-01	1.01E+01	3.65E+00	2.13E-04	1.36E-02	6.25E-03	3.67E+00	4.43E+00	4.92E+00	1.24E+00	2.14E-01	1.08E+01
1089	482309.06	3852450.14	22.8691	6.1092	6.2804	3.06632	3.74E+00	4.74E+00	1.22E+00	2.26E-01	9.92E+00	3.68E+00	2.05E-04	1.34E-02	6.60E-03	3.71E+00	4.48E+00	4.74E+00	1.22E+00	2.26E-01	1.07E+01
1090	482209.06	3852500.14	22.5897	6.34147	6.6238	2.86786	3.69E+00	4.92E+00	1.28E+00	2.11E-01	1.01E+01	3.64E+00	2.13E-04	1.41E-02	6.17E-03	3.66E+00	4.42E+00	4.92E+00	1.28E+00	2.11E-01	1.08E+01
1091	482259.06	3852500.14	22.7997	6.42199	6.535	2.91736	3.73E+00	4.98E+00	1.27E+00	2.15E-01	1.02E+01	3.67E+00	2.16E-04	1.39E-02	6.28E-03	3.69E+00	4.46E+00	4.98E+00	1.27E+00	2.15E-01	1.09E+01
1092	482309.06	3852500.14	22.9173	6.31535	6.4379	3.05873	3.75E+00	4.90E+00	1.25E+00	2.25E-01	1.01E+01	3.69E+00	2.12E-04	1.37E-02	6.58E-03	3.71E+00	4.48E+00	4.90E+00	1.25E+00	2.25E-01	1.09E+01
1093	482283.91	3852513.62	22.8715	6.4381	6.5283	2.98644	3.74E+00	4.99E+00	1.27E+00	2.20E-01	1.02E+01	3.69E+00	2.16E-04	1.39E-02	6.43E-03	3.71E+00	4.48E+00	4.99E+00	1.27E+00	2.20E-01	1.10E+01
1094	482333.91	3852513.62	23.0224	6.28586	6.4291	3.09556	3.77E+00	4.88E+00	1.25E+00	2.28E-01	1.01E+01	3.71E+00	2.11E-04	1.37E-02	6.66E-03	3.73E+00	4.51E+00	4.88E+00	1.25E+00	2.28E-01	1.09E+01

1095	482283.91	3852563.62	23.0512	6.54955	6.6741	2.97546	3.77E+00	5.08E+00	1.29E+00	2.19E-01	1.04E+01	3.71E+00	2.20E-04	1.42E-02	6.41E-03	3.74E+00	4.51E+00	5.08E+00	1.29E+00	2.19E-01	1.11E+01
1096	482333.91	3852563.62	23.1173	6.52949	6.5828	3.08448	3.78E+00	5.06E+00	1.28E+00	2.27E-01	1.03E+01	3.72E+00	2.19E-04	1.40E-02	6.64E-03	3.75E+00	4.52E+00	5.07E+00	1.28E+00	2.27E-01	1.11E+01
1097	482383.91	3852563.62	23.238	6.41356	6.483	3.12043	3.80E+00	4.97E+00	1.26E+00	2.30E-01	1.03E+01	3.74E+00	2.15E-04	1.38E-02	6.72E-03	3.77E+00	4.55E+00	4.98E+00	1.26E+00	2.30E-01	1.10E+01
1098	482283.91	3852613.62	22.5753	6.47022	6.8131	3.0052	3.69E+00	5.02E+00	1.32E+00	2.21E-01	1.03E+01	3.64E+00	2.17E-04	1.45E-02	6.47E-03	3.66E+00	4.42E+00	5.02E+00	1.32E+00	2.21E-01	1.10E+01
1099	482333.91	3852613.62	23.3399	6.63882	6.7301	3.11373	3.82E+00	5.15E+00	1.31E+00	2.29E-01	1.05E+01	3.76E+00	2.23E-04	1.43E-02	6.70E-03	3.78E+00	4.57E+00	5.15E+00	1.31E+00	2.29E-01	1.13E+01
1100	482383.91	3852613.62	23.3571	6.6338	6.6381	3.15411	3.82E+00	5.15E+00	1.29E+00	2.32E-01	1.05E+01	3.76E+00	2.23E-04	1.41E-02	6.79E-03	3.78E+00	4.57E+00	5.15E+00	1.29E+00	2.32E-01	1.12E+01
1101	482602.38	3852600.87	25.0405	5.30366	6.0951	3.1104	4.10E+00	4.11E+00	1.18E+00	2.29E-01	9.62E+00	4.03E+00	1.78E-04	1.30E-02	6.70E-03	4.05E+00	4.90E+00	4.11E+00	1.18E+00	2.29E-01	1.04E+01
1102	482652.38	3852600.87	25.0638	5.12034	5.9615	3.14578	4.10E+00	3.97E+00	1.16E+00	2.32E-01	9.46E+00	4.04E+00	1.72E-04	1.27E-02	6.77E-03	4.06E+00	4.90E+00	3.97E+00	1.16E+00	2.32E-01	1.03E+01
1103	482702.38	3852600.87	24.8604	4.82407	5.8339	3.25671	4.07E+00	3.74E+00	1.13E+00	2.40E-01	9.18E+00	4.01E+00	1.62E-04	1.24E-02	7.01E-03	4.03E+00	4.86E+00	3.74E+00	1.13E+00	2.40E-01	9.98E+00
1104	482552.38	3852650.87	24.3634	5.85903	6.3976	3.04093	3.98E+00	4.54E+00	1.24E+00	2.24E-01	9.99E+00	3.93E+00	1.97E-04	1.36E-02	6.55E-03	3.95E+00	4.77E+00	4.55E+00	1.24E+00	2.24E-01	1.08E+01
1105	482602.38	3852650.87	24.991	5.59144	6.2755	3.08174	4.09E+00	4.34E+00	1.22E+00	2.27E-01	9.87E+00	4.03E+00	1.88E-04	1.33E-02	6.63E-03	4.05E+00	4.89E+00	4.34E+00	1.22E+00	2.27E-01	1.07E+01
1106	482652.38	3852650.87	25.2344	5.35004	6.1467	3.11126	4.13E+00	4.15E+00	1.19E+00	2.29E-01	9.70E+00	4.07E+00	1.80E-04	1.31E-02	6.70E-03	4.09E+00	4.94E+00	4.15E+00	1.19E+00	2.29E-01	1.05E+01
1107	482702.38	3852650.87	25.2271	5.17417	6.0116	3.10613	4.13E+00	4.01E+00	1.17E+00	2.29E-01	9.53E+00	4.06E+00	1.74E-04	1.28E-02	6.69E-03	4.08E+00	4.94E+00	4.01E+00	1.17E+00	2.29E-01	1.03E+01
1108	482552.38	3852700.87	23.9936	6.08284	6.5679	3.06851	3.92E+00	4.72E+00	1.27E+00	2.26E-01	1.01E+01	3.87E+00	2.04E-04	1.40E-02	6.61E-03	3.89E+00	4.70E+00	4.72E+00	1.27E+00	2.26E-01	1.09E+01
1109	482602.38	3852700.87	24.5914	5.88036	6.4524	3.06366	4.02E+00	4.56E+00	1.25E+00	2.26E-01	1.01E+01	3.96E+00	1.98E-04	1.37E-02	6.60E-03	3.98E+00	4.81E+00	4.56E+00	1.25E+00	2.26E-01	1.09E+01
1110	482652.38	3852700.87	25.0692	5.74797	6.3293	3.07895	4.10E+00	4.46E+00	1.23E+00	2.27E-01	1.00E+01	4.04E+00	1.93E-04	1.35E-02	6.63E-03	4.06E+00	4.91E+00	4.46E+00	1.23E+00	2.27E-01	1.08E+01
1111	482702.38	3852700.87	25.4075	5.43815	6.1992	3.09422	4.16E+00	4.22E+00	1.20E+00	2.28E-01	9.80E+00	4.09E+00	1.83E-04	1.32E-02	6.66E-03	4.11E+00	4.97E+00	4.22E+00	1.20E+00	2.28E-01	1.06E+01
1112	482452.38	3852750.87	24.068	6.77684	6.9207	3.36422	3.94E+00	5.26E+00	1.34E+00	2.48E-01	1.08E+01	3.88E+00	2.28E-04	1.47E-02	7.24E-03	3.90E+00	4.71E+00	5.26E+00	1.34E+00	2.48E-01	1.16E+01
1113	482521.29	3852749.74	24.0809	6.50231	6.7915	3.20329	3.94E+00	5.04E+00	1.32E+00	2.36E-01	1.05E+01	3.88E+00	2.18E-04	1.44E-02	6.90E-03	3.90E+00	4.71E+00	5.04E+00	1.32E+00	2.36E-01	1.13E+01
1114	482571.29	3852749.74	24.1729	6.24527	6.6889	3.05774	3.95E+00	4.84E+00	1.30E+00	2.25E-01	1.03E+01	3.90E+00	2.10E-04	1.42E-02	6.58E-03	3.92E+00	4.73E+00	4.84E+00	1.30E+00	2.25E-01	1.11E+01
1115	482521.29	3852799.74	24.3605	6.73059	6.9436	3.28284	3.98E+00	5.22E+00	1.35E+00	2.42E-01	1.08E+01	3.93E+00	2.26E-04	1.48E-02	7.07E-03	3.95E+00	4.77E+00	5.22E+00	1.35E+00	2.42E-01	1.16E+01
1116	482571.29	3852799.74	24.2937	6.4772	6.8499	3.12051	3.97E+00	5.02E+00	1.33E+00	2.30E-01	1.06E+01	3.91E+00	2.18E-04	1.46E-02	6.72E-03	3.94E+00	4.75E+00	5.02E+00	1.33E+00	2.30E-01	1.13E+01
1117	482621.29	3852799.74	24.3946	6.24953	6.7468	3.09443	3.99E+00	4.85E+00	1.31E+00	2.28E-01	1.04E+01	3.93E+00	2.10E-04	1.43E-02	6.66E-03	3.95E+00	4.77E+00	4.85E+00	1.31E+00	2.28E-01	1.12E+01
1118	482571.29	3852849.74	24.6042	6.6599	7.0037	3.23042	4.02E+00	5.17E+00	1.36E+00	2.38E-01	1.08E+01	3.96E+00	2.24E-04	1.49E-02	6.95E-03	3.99E+00	4.81E+00	5.17E+00	1.36E+00	2.38E-01	1.16E+01
1119	482621.29	3852849.74	24.5546	6.3793	6.9098	3.12226	4.02E+00	4.95E+00	1.34E+00	2.30E-01	1.05E+01	3.96E+00	2.14E-04	1.47E-02	6.72E-03	3.98E+00	4.80E+00	4.95E+00	1.34E+00	2.30E-01	1.13E+01
1120	482577.42	3852901.55	24.8135	6.7655	7.1444	3.345	4.06E+00	5.25E+00	1.39E+00	2.46E-01	1.09E+01	4.00E+00	2.27E-04	1.52E-02	7.20E-03	4.02E+00	4.86E+00	5.25E+00	1.39E+00	2.46E-01	1.17E+01
1121	482627.42	3852901.55	24.8726	6.46384	7.0596	3.18187	4.07E+00	5.01E+00	1.37E+00	2.34E-01	1.07E+01	4.01E+00	2.17E-04	1.50E-02	6.85E-03	4.03E+00	4.87E+00	5.01E+00	1.37E+00	2.34E-01	1.15E+01
1122	482629.96	3852955.85	25.1045	6.65046	7.2149	3.27961	4.11E+00	5.16E+00	1.40E+00	2.41E-01	1.09E+01	4.05E+00	2.23E-04	1.53E-02	7.06E-03	4.07E+00	4.91E+00	5.16E+00	1.40E+00	2.41E-01	1.17E+01
1123	482679.96	3852955.85	25.1531	6.38753	7.1303	3.26763	4.11E+00	4.95E+00	1.38E+00	2.41E-01	1.07E+01	4.05E+00	2.15E-04	1.52E-02	7.03E-03	4.08E+00	4.92E+00	4.96E+00	1.38E+00	2.41E-01	1.15E+01
1124	482781.63	3853034.48	25.5287	6.1048	7.1874	3.37633	4.18E+00	4.74E+00	1.39E+00	2.49E-01	1.06E+01	4.11E+00	2.05E-04	1.53E-02	7.27E-03	4.14E+00	5.00E+00	4.74E+00	1.39E+00	2.49E-01	1.14E+01
1125	482831.63	3853034.48	25.6997	5.87324	7.0862	3.28626	4.20E+00	4.56E+00	1.37E+00	2.42E-01	1.04E+01	4.14E+00	1.97E-04	1.51E-02	7.07E-03	4.16E+00	5.03E+00	4.56E+00	1.37E+00	2.42E-01	1.12E+01
1126	482881.63	3853034.48	25.9574	5.69925	6.9743	3.13712	4.25E+00	4.42E+00	1.35E+00	2.31E-01	1.02E+01	4.18E+00	1.91E-04	1.48E-02	6.75E-03	4.20E+00	5.08E+00	4.42E+00	1.35E+00	2.31E-01	1.11E+01
1127	482781.63	3853084.48	25.8677	6.26676	7.3423	3.41922	4.23E+00	4.86E+00	1.42E+00	2.52E-01	1.08E+01	4.17E+00	2.11E-04	1.56E-02	7.36E-03	4.19E+00	5.06E+00	4.86E+00	1.42E+00	2.52E-01	1.16E+01
1128	482831.63	3853084.48	25.8173	6.04657	7.2521	3.34349	4.22E+00	4.69E+00	1.41E+00	2.46E-01	1.06E+01	4.16E+00	2.03E-04	1.54E-02	7.20E-03	4.18E+00	5.05E+00	4.69E+00	1.41E+00	2.46E-01	1.14E+01
1129	482881.63	3853084.48	25.9923	5.8469	7.1502	3.19171	4.25E+00	4.54E+00	1.39E+00	2.35E-01	1.04E+01	4.19E+00	1.96E-04	1.52E-02	6.87E-03	4.21E+00	5.09E+00	4.54E+00	1.39E+00	2.35E-01	1.12E+01
1130	482781.63	3853134.48	25.8463	6.43921	7.4864	3.45465	4.23E+00	4.99E+00	1.45E+00	2.54E-01	1.09E+01	4.16E+00	2.16E-04	1.59E-02	7.44E-03	4.19E+00	5.06E+00	5.00E+00	1.45E+00	2.54E-01	1.18E+01
1131	482831.63	3853134.48	26.1276	6.2405	7.4081	3.39058	4.27E+00	4.84E+00	1.44E+00	2.50E-01	1.08E+01	4.21E+00	2.10E-04	1.58E-02	7.30E-03	4.23E+00	5.11E+00	4.84E+00	1.44E+00	2.50E-01	1.16E+01
1132	482881.63	3853134.48	26.0608	6.08284	7.3175	3.2337	4.26E+00	4.72E+00	1.42E+00	2.38E-01	1.06E+01	4.20E+00	2.04E-04	1.56E-02	6.96E-03	4.22E+00	5.10E+00	4.72E+00	1.42E+00	2.38E-01	1.15E+01
1133	482831.63	3853184.48	26.0989	6.40947	7.553	3.43556	4.27E+00	4.97E+00	1.46E+00	2.53E-01	1.10E+01	4.21E+00	2.15E-04	1.61E-02	7.40E-03	4.23E+00	5.11E+00	4.97E+00	1.46E+00	2.53E-01	1.18E+01
1134	482881.63	3853184.48	26.3575	6.28673	7.4746	3.28352	4.31E+00	4.88E+00	1.45E+00	2.42E-01	1.09E+01	4.25E+00	2.11E-04	1.59E-02	7.07E-03	4.27E+00	5.16E+00	4.88E+00	1.45E+00	2.42E-01	1.17E+01
1135	484154.84	3854250.98	34.8369	2.83212	8.7012	5.40283	5.70E+00	2.20E+00	1.69E+00	3.98E-01	9.98E+00	5.61E+00	9.51E-05	1.85E-02	1.16E-02	5.64E+00	6.82E+00	2.20E+00	1.69E+00	3.98E-01	1.11E+01
1136	484204.84	3854250.98	32.8074	2.69339	8.528	5.30903	5.37E+00	2.09E+00	1.65E+00	3.91E-01	9.50E+00	5.29E+00	9.05E-05	1.81E-02	1.14E-02	5.32E+00	6.42E+00	2.09E+00	1.65E+00	3.91E-01	1.06E+01
1137	484154.84	3854300.98	35.1763	2.64069	8.952	6.07724	5.75E+00	2.05E+00	1.74E+00	4.47E-01	9.99E+00	5.67E+00	8.87E-05	1.90E-02	1.31E-02	5.70E+00	6.88E+00	2.05E+00	1.74E+00	4.47E-01	1.11E+01
1138	484204.84	3854300.98	33.9483	2.62508	8.7974	6.1927	5.55E+00	2.04E+00	1.71E+00	4.56E-01	9.75E+00	5.47E+00	8.82E-05	1.87E-02	1.33E-02	5.50E+00	6.64E+00	2.04E+00	1.71E+00	4.56E-01	1.08E+01
1139	484074.19	3854519.8	32.8971	2.71884	9.817	9.18572	5.38E+00	2.11E+00	1.90E+00	6.76E-01	1.01E+01	5.30E+00	9.13E-05	2.09E-02	1.98E-02	5.34E+00	6.44E+00	2.11E+00	1.90E+00	6.76E-01	1.11E+01
1140	484124.19	3854519.8	32.9692	2.59266	9.8148	9.15245	5.39E+00	2.01E+00	1.90E+00	6.74E-01	9.98E+00	5.31E+00	8.71E-05	2.09E-02	1.97E-02	5.35E+00	6.45E+00	2.01E+00	1.90E+00	6.74E-01	1.10E+01
1141	484074.19	3854569.8	32.6295	2.72907	9.8854	9.59902	5.34E+00	2.12E+00	1.92E+00	7.07E-01	1.01E+01	5.26E+00	9.17E-05	2.10E-02	2.07E-02	5.30E+00	6.38E+00	2.12E+00	1.92E+00	7.07E-01	1.11E+01
1142	484124.19	3854569.8	31.7405	2.58107	9.9141	9.14487	5.19E+00	2.00E+00	1.92E+00	6.73E-01	9.79E+00	5.11E+00	8.67E-05	2.11E-02	1.97E-02	5.16E+00	6.21E+00	2.00E+00	1.92E+00	6.73E-01	1.08E+01
1143	485205.11	3855188.89	33.4578	2.5411	10.424	9.13625	5.47E+00	1.97E+00	2.02E+00	6.73E-01	1.01E+01	5.39E+00	8.54E-05	2.22E-02	1.97E-02	5.43E+00	6.55E+00	1.97E+00	2.02E+00	6.73E-01	1.12E+01
1144	485255.11	3855188.89	31.6096	2.49778	10.162	9.89278	5.17E+00	1.94E+00	1.97E+00	7.28E-01	9.81E+00	5.09E+00	8.39E-05	2.16E-02	2.13E-02	5.14E+00	6.19E+00	1.94E+00	1.97E+00	7.28E-01	1.08E+01
1145	485205.11	3855238.89	33.7653	2.56262	10.827	10.68795	5.52E+00	1.99E+00	2.10E+00	7.87E-01	1.04E+01	5.44E+00	8.61E-05	2.30E-02	2.30E-02	5.49E+00	6.61E+00	1.99E+00	2.10E+00	7.87E-01	1.15E+01
1146	485255.11	3855238.89	32.9919	2.51367	10.568	11.91182	5.40E+00	1.95E+00	2.05E+00	8.77E-01	1.03E+01	5.32E+00	8.44E-05	2.25E-02	2.56E-02	5.36E+00	6.46E+00	1.95E+00	2.05E+00	8.77E-01	1.13E+01
1147	485205.11	3855288.89	36.3567	2.66373	11.203	12.45303	5.95E+00	2.07E+00	2.17E+00	9.17E-01	1.11E+01	5.86E+00	8.95E-05	2.38E-02	2.68E-02	5.91E+00	7.11E+00	2.07E+00	2.17E+00	9.17E-01	1.23E+01
1148	485255.11	3855288.89	35.254	2.59874	10.98	14.51603	5.77E+00	2.02E+00	2.13E+00	1.07E+00	1.10E+01	5.68E+00	8.73E-05	2.33E-02	3.12E-02	5.74E+00	6.90E+00	2.02E+00	2.13E+00	1.07E+00	1.21E+01
1149	485255.11	3855338.89	37.6703	2.691	11.362	16.13006	6.16E+00	2.09E+00	2.20E+00	1.19E+00	1.16E+01	6.07E+00	9.04E-05	2.42E-02	3.47E-02	6.13E+00	7.37E+00	2.09E+00	2.20E+00	1.19E+00	1.28E+01
1150	485305.11	3855338.89	36.0553	2.65124	11.137	17.34879	5.90E+00	2.06E+00	2.16E+00	1.28E+00	1.14E+01	5.81E+00	8.91E-05	2.37E-02	3.73E-02	5.87E+00	7.06E+00	2.06E+00	2.16E+00	1.28E+00	1.25E+01
1151	485852.5	3855635.28	32.4639	2.69167	12.282	11.47165	5.31E+00	2.09E+00	2.38E+00	8.45E-01	1.06E+01	5.23E+00	9.04E-05	2.61E-02	2.47E-02	5.28E+00	6.35E+00	2.09E+00	2.38E+00	8.45E-01	1.17E+01
1152	485902.5	3855635.28	30.7	2.73681	13.536	11.38856	5.02E+00	2.12E+00	2.62E+00	8.38E-01	1.06E+01	4.95E+00	9.19E-05	2.88E-02	2.45E-02	5.00E+00	6.01E+00	2.12E+00	2.62E+00	8.38E-01	1.16E+01
1153	485852.5	3855685.28	33.9378	2.70076	11.574	11.86342	5.55E+00	2.09E+00	2.24E+00	8.73E-01	1.08E+01	5.47E+00	9.07E-05	2.46E-02	2.55E-02	5.52E+00	6.64E+00	2.10E+00	2.24E+00	8.73E-01	1.19E+01
1154	485902.5	3855685.28	32.1892	2.74191	12.687	12.32659	5.26E+00	2.13E+00	2.46E+00	9.08E-01	1.08E+01	5.19E+00	9.21E-05	2.70E-02	2.65E-02	5.24E+00	6.30E+00	2.13E+00	2.46E+00	9.08E-01	1.18E+01
1155	485852.5	3855735.28	35.5055	2.71169	11.681	13.62781	5.81E+00	2.10E+00	2.27E+00	1.00E+00	1.12E+01	5.72E+00	9.11E-05	2.48E-02	2.93E-02	5.78E+00	6.95E+00	2.10E+00	2.27E+00	1.00E+00	1.23E+01

1156	485902.5	3855735.28	34.1848	2.76921	11.795	13.84827	5.59E+00	2.15E+00	2.29E+00	1.02E+00	1.10E+01	5.51E+00	9.30E-05	2.51E-02	2.98E-02	5.56E+00	6.69E+00	2.15E+00	2.29E+00	1.02E+00	1.21E+01
1157	485852.5	3855785.28	37.7566	2.73129	12.095	14.01032	6.18E+00	2.12E+00	2.35E+00	1.03E+00	1.17E+01	6.08E+00	9.17E-05	2.57E-02	3.02E-02	6.14E+00	7.39E+00	2.12E+00	2.35E+00	1.03E+00	1.29E+01
1158	485902.5	3855785.28	35.7109	2.7692	11.859	14.14689	5.84E+00	2.15E+00	2.30E+00	1.04E+00	1.13E+01	5.75E+00	9.30E-05	2.52E-02	3.05E-02	5.81E+00	6.99E+00	2.15E+00	2.30E+00	1.04E+00	1.25E+01
1159	486809.46	3856465.28	34.6755	3.27564	18.857	11.46233	5.67E+00	2.54E+00	3.66E+00	8.44E-01	1.27E+01	5.59E+00	1.10E-04	4.01E-02	2.47E-02	5.65E+00	6.79E+00	2.54E+00	3.66E+00	8.44E-01	1.38E+01
1160	486859.46	3856465.28	33.9324	3.31294	17.938	11.21243	5.55E+00	2.57E+00	3.48E+00	8.26E-01	1.24E+01	5.47E+00	1.11E-04	3.81E-02	2.41E-02	5.53E+00	6.64E+00	2.57E+00	3.48E+00	8.26E-01	1.35E+01
1161	486909.46	3856465.28	33.1502	3.32033	16.521	11.00444	5.42E+00	2.58E+00	3.20E+00	8.10E-01	1.20E+01	5.34E+00	1.12E-04	3.51E-02	2.37E-02	5.40E+00	6.49E+00	2.58E+00	3.20E+00	8.10E-01	1.31E+01
1162	486809.46	3856515.28	36.0104	3.29095	18.86	11.27972	5.89E+00	2.55E+00	3.66E+00	8.30E-01	1.29E+01	5.80E+00	1.11E-04	4.01E-02	2.43E-02	5.87E+00	7.05E+00	2.55E+00	3.66E+00	8.30E-01	1.41E+01
1163	486859.46	3856515.28	35.2497	3.33216	18.478	11.03092	5.77E+00	2.58E+00	3.58E+00	8.12E-01	1.27E+01	5.68E+00	1.12E-04	3.93E-02	2.37E-02	5.74E+00	6.90E+00	2.58E+00	3.58E+00	8.12E-01	1.39E+01
1164	486909.46	3856515.28	34.421	3.37093	17.504	10.82385	5.63E+00	2.61E+00	3.39E+00	7.97E-01	1.24E+01	5.55E+00	1.13E-04	3.72E-02	2.33E-02	5.61E+00	6.74E+00	2.61E+00	3.39E+00	7.97E-01	1.35E+01
1165	486980.94	3856357.95	29.9368	3.29129	19.87	10.17266	4.90E+00	2.55E+00	3.85E+00	7.49E-01	1.21E+01	4.82E+00	1.11E-04	4.22E-02	2.19E-02	4.89E+00	5.86E+00	2.55E+00	3.85E+00	7.49E-01	1.30E+01
1166	487030.94	3856357.95	29.3971	3.32136	22.233	9.95703	4.81E+00	2.58E+00	4.31E+00	7.33E-01	1.24E+01	4.74E+00	1.12E-04	4.73E-02	2.14E-02	4.81E+00	5.75E+00	2.58E+00	4.31E+00	7.33E-01	1.34E+01
1167	486980.94	3856407.95	30.9442	3.32901	18.233	10.40051	5.06E+00	2.58E+00	3.54E+00	7.66E-01	1.19E+01	4.99E+00	1.12E-04	3.88E-02	2.24E-02	5.05E+00	6.06E+00	2.58E+00	3.54E+00	7.66E-01	1.29E+01
1168	487030.94	3856407.95	30.3078	3.39218	20.54	10.17628	4.96E+00	2.63E+00	3.98E+00	7.49E-01	1.23E+01	4.88E+00	1.14E-04	4.37E-02	2.19E-02	4.95E+00	5.93E+00	2.63E+00	3.98E+00	7.49E-01	1.33E+01
1169	487447.18	3856437.45	26.4644	3.70731	28.084	8.15722	4.33E+00	2.88E+00	5.45E+00	6.01E-01	1.33E+01	4.26E+00	1.25E-04	5.97E-02	1.76E-02	4.34E+00	5.18E+00	2.88E+00	5.45E+00	6.01E-01	1.41E+01
1170	487497.18	3856437.45	25.9823	3.82028	29.657	7.75826	4.25E+00	2.96E+00	5.75E+00	5.71E-01	1.35E+01	4.19E+00	1.28E-04	6.31E-02	1.67E-02	4.27E+00	5.08E+00	2.96E+00	5.75E+00	5.71E-01	1.44E+01
1171	487547.18	3856437.45	25.5655	3.91623	31.345	7.56317	4.18E+00	3.04E+00	6.08E+00	5.57E-01	1.39E+01	4.12E+00	1.32E-04	6.66E-02	1.63E-02	4.20E+00	5.00E+00	3.04E+00	6.08E+00	5.57E-01	1.47E+01
1172	487447.18	3856487.45	27.1493	3.82118	27.745	8.16249	4.44E+00	2.96E+00	5.38E+00	6.01E-01	1.34E+01	4.37E+00	1.28E-04	5.90E-02	1.76E-02	4.45E+00	5.31E+00	2.96E+00	5.38E+00	6.01E-01	1.43E+01
1173	487497.18	3856487.45	26.6762	3.9203	29.576	7.93729	4.36E+00	3.04E+00	5.73E+00	5.84E-01	1.37E+01	4.30E+00	1.32E-04	6.29E-02	1.71E-02	4.38E+00	5.22E+00	3.04E+00	5.73E+00	5.84E-01	1.46E+01
1174	487547.18	3856487.45	26.2976	4.02562	30.8	7.74118	4.30E+00	3.12E+00	5.97E+00	5.70E-01	1.40E+01	4.24E+00	1.35E-04	6.55E-02	1.67E-02	4.32E+00	5.15E+00	3.12E+00	5.97E+00	5.70E-01	1.48E+01
1175	487447.18	3856537.45	27.9133	3.93256	27.265	8.11464	4.57E+00	3.05E+00	5.29E+00	5.97E-01	1.35E+01	4.50E+00	1.32E-04	5.80E-02	1.75E-02	4.57E+00	5.46E+00	3.05E+00	5.29E+00	5.97E-01	1.44E+01
1176	487497.18	3856537.45	27.4055	4.01633	29.458	7.97869	4.48E+00	3.12E+00	5.71E+00	5.87E-01	1.39E+01	4.42E+00	1.35E-04	6.26E-02	1.72E-02	4.50E+00	5.36E+00	3.12E+00	5.71E+00	5.87E-01	1.48E+01
1177	487547.18	3856537.45	26.9135	4.13686	31.027	7.78441	4.40E+00	3.21E+00	6.02E+00	5.73E-01	1.42E+01	4.34E+00	1.39E-04	6.60E-02	1.68E-02	4.42E+00	5.27E+00	3.21E+00	6.02E+00	5.73E-01	1.51E+01
1178	489285.89	3858826.54	16.6925	12.6568	35.553	5.8347	2.73E+00	9.82E+00	6.89E+00	4.30E-01	1.99E+01	2.69E+00	4.25E-04	7.56E-02	1.26E-02	2.78E+00	3.27E+00	9.82E+00	6.89E+00	4.30E-01	2.04E+01
1179	489335.89	3858826.54	17.6879	12.4625	34.783	5.60335	2.89E+00	9.67E+00	6.74E+00	4.13E-01	1.97E+01	2.85E+00	4.19E-04	7.40E-02	1.21E-02	2.94E+00	3.46E+00	9.67E+00	6.74E+00	4.13E-01	2.03E+01
1180	489385.89	3858826.54	18.4223	12.2115	33.501	5.50037	3.01E+00	9.47E+00	6.50E+00	4.05E-01	1.94E+01	2.97E+00	4.10E-04	7.12E-02	1.18E-02	3.05E+00	3.60E+00	9.47E+00	6.50E+00	4.05E-01	2.00E+01
1181	489435.89	3858826.54	18.9547	12.0013	32.608	5.40932	3.10E+00	9.31E+00	6.32E+00	3.98E-01	1.91E+01	3.05E+00	4.03E-04	6.93E-02	1.16E-02	3.14E+00	3.71E+00	9.31E+00	6.32E+00	3.98E-01	1.97E+01
1182	489485.89	3858826.54	19.3319	11.8068	31.459	5.47854	3.16E+00	9.16E+00	6.10E+00	4.03E-01	1.88E+01	3.11E+00	3.97E-04	6.69E-02	1.18E-02	3.19E+00	3.78E+00	9.16E+00	6.10E+00	4.03E-01	1.94E+01
1183	489535.89	3858826.54	19.5942	11.6062	31.745	5.50091	3.20E+00	9.00E+00	6.16E+00	4.05E-01	1.88E+01	3.16E+00	3.90E-04	6.75E-02	1.18E-02	3.24E+00	3.83E+00	9.00E+00	6.16E+00	4.05E-01	1.94E+01
1184	489585.89	3858826.54	19.6589	11.4178	32.331	5.4259	3.22E+00	8.86E+00	6.27E+00	3.99E-01	1.87E+01	3.17E+00	3.84E-04	6.87E-02	1.17E-02	3.25E+00	3.85E+00	8.86E+00	6.27E+00	3.99E-01	1.94E+01
1185	489635.89	3858826.54	19.5703	11.2095	32.564	5.27612	3.20E+00	8.70E+00	6.31E+00	3.88E-01	1.86E+01	3.15E+00	3.77E-04	6.92E-02	1.14E-02	3.23E+00	3.83E+00	8.70E+00	6.31E+00	3.88E-01	1.92E+01
1186	489685.89	3858826.54	19.3871	10.9968	32.761	5.06689	3.17E+00	8.53E+00	6.35E+00	3.73E-01	1.84E+01	3.12E+00	3.69E-04	6.97E-02	1.09E-02	3.20E+00	3.79E+00	8.53E+00	6.35E+00	3.73E-01	1.90E+01
1187	489735.89	3858826.54	19.4561	10.7877	32.803	4.88574	3.18E+00	8.37E+00	6.36E+00	3.60E-01	1.83E+01	3.14E+00	3.62E-04	6.97E-02	1.05E-02	3.22E+00	3.81E+00	8.37E+00	6.36E+00	3.60E-01	1.89E+01
1188	489785.89	3858826.54	19.5339	10.6214	32.566	4.75022	3.19E+00	8.24E+00	6.31E+00	3.50E-01	1.81E+01	3.15E+00	3.57E-04	6.92E-02	1.02E-02	3.23E+00	3.82E+00	8.24E+00	6.31E+00	3.50E-01	1.87E+01
1189	489835.89	3858826.54	19.4937	10.4157	32.098	4.7082	3.19E+00	8.08E+00	6.22E+00	3.47E-01	1.78E+01	3.14E+00	3.50E-04	6.82E-02	1.01E-02	3.22E+00	3.81E+00	8.08E+00	6.22E+00	3.47E-01	1.85E+01
1190	489885.89	3858826.54	19.3193	10.2852	31.403	4.63212	3.16E+00	7.98E+00	6.09E+00	3.41E-01	1.76E+01	3.11E+00	3.45E-04	6.68E-02	9.97E-03	3.19E+00	3.78E+00	7.98E+00	6.09E+00	3.41E-01	1.82E+01
1191	489935.89	3858826.54	19.246	10.1418	30.826	4.53102	3.15E+00	7.87E+00	5.98E+00	3.34E-01	1.73E+01	3.10E+00	3.41E-04	6.55E-02	9.75E-03	3.18E+00	3.77E+00	7.87E+00	5.98E+00	3.34E-01	1.79E+01
1192	489985.89	3858826.54	19.2998	9.98418	30.17	4.40989	3.16E+00	7.74E+00	5.85E+00	3.25E-01	1.71E+01	3.11E+00	3.35E-04	6.41E-02	9.49E-03	3.18E+00	3.78E+00	7.75E+00	5.85E+00	3.25E-01	1.77E+01
1193	490035.89	3858826.54	19.3878	9.76648	29.355	4.27698	3.17E+00	7.58E+00	5.69E+00	3.15E-01	1.68E+01	3.12E+00	3.28E-04	6.24E-02	9.21E-03	3.20E+00	3.79E+00	7.58E+00	5.69E+00	3.15E-01	1.74E+01
1194	489285.89	3858876.54	15.961	13.5367	34.287	5.74144	2.61E+00	1.05E+01	6.65E+00	4.23E-01	2.02E+01	2.57E+00	4.55E-04	7.29E-02	1.24E-02	2.66E+00	3.12E+00	1.05E+01	6.65E+00	4.23E-01	2.07E+01
1195	489335.89	3858876.54	17.0342	13.2465	34.034	5.69696	2.79E+00	1.03E+01	6.60E+00	4.19E-01	2.01E+01	2.74E+00	4.45E-04	7.24E-02	1.23E-02	2.83E+00	3.33E+00	1.03E+01	6.60E+00	4.19E-01	2.06E+01
1196	489385.89	3858876.54	17.766	12.9782	33.525	5.68247	2.91E+00	1.01E+01	6.50E+00	4.18E-01	1.99E+01	2.86E+00	4.36E-04	7.13E-02	1.22E-02	2.95E+00	3.48E+00	1.01E+01	6.50E+00	4.18E-01	2.05E+01
1197	489435.89	3858876.54	18.2727	12.7062	32.753	5.67281	2.99E+00	9.86E+00	6.35E+00	4.18E-01	1.96E+01	2.94E+00	4.27E-04	6.96E-02	1.22E-02	3.03E+00	3.58E+00	9.86E+00	6.35E+00	4.18E-01	2.02E+01
1198	489485.89	3858876.54	18.8162	12.4377	32.154	5.60138	3.08E+00	9.65E+00	6.23E+00	4.12E-01	1.94E+01	3.03E+00	4.18E-04	6.84E-02	1.21E-02	3.11E+00	3.68E+00	9.65E+00	6.23E+00	4.12E-01	2.00E+01
1199	489535.89	3858876.54	19.1863	12.1678	31.22	5.44559	3.14E+00	9.44E+00	6.05E+00	4.01E-01	1.90E+01	3.09E+00	4.09E-04	6.64E-02	1.17E-02	3.17E+00	3.75E+00	9.44E+00	6.05E+00	4.01E-01	1.96E+01
1200	489585.89	3858876.54	19.411	11.8682	30.621	5.23406	3.17E+00	9.21E+00	5.94E+00	3.85E-01	1.87E+01	3.13E+00	3.99E-04	6.51E-02	1.13E-02	3.20E+00	3.80E+00	9.21E+00	5.94E+00	3.85E-01	1.93E+01
1201	489635.89	3858876.54	19.5264	11.6492	31.14	4.98236	3.19E+00	9.04E+00	6.04E+00	3.67E-01	1.86E+01	3.15E+00	3.91E-04	6.62E-02	1.07E-02	3.22E+00	3.82E+00	9.04E+00	6.04E+00	3.67E-01	1.93E+01
1202	489685.89	3858876.54	19.4326	11.4157	31.509	4.86329	3.18E+00	8.86E+00	6.11E+00	3.58E-01	1.85E+01	3.13E+00	3.83E-04	6.70E-02	1.05E-02	3.21E+00	3.80E+00	8.86E+00	6.11E+00	3.58E-01	1.91E+01
1203	489735.89	3858876.54	19.2911	11.1655	31.441	4.77306	3.16E+00	8.66E+00	6.10E+00	3.51E-01	1.83E+01	3.11E+00	3.75E-04	6.68E-02	1.03E-02	3.19E+00	3.77E+00	8.66E+00	6.10E+00	3.51E-01	1.89E+01
1204	489785.89	3858876.54	19.2157	10.9777	31.42	4.69409	3.14E+00	8.52E+00	6.09E+00	3.46E-01	1.81E+01	3.10E+00	3.69E-04	6.68E-02	1.01E-02	3.17E+00	3.76E+00	8.52E+00	6.09E+00	3.46E-01	1.87E+01
1205	489835.89	3858876.54	19.2998	10.762	31.387	4.61829	3.16E+00	8.35E+00	6.09E+00	3.40E-01	1.79E+01	3.11E+00	3.62E-04	6.67E-02	9.94E-03	3.19E+00	3.78E+00	8.35E+00	6.09E+00	3.40E-01	1.86E+01
1206	489885.89	3858876.54	19.3193	10.6451	31.134	4.53191	3.16E+00	8.26E+00	6.04E+00	3.34E-01	1.78E+01	3.11E+00	3.58E-04	6.62E-02	9.76E-03	3.19E+00	3.78E+00	8.26E+00	6.04E+00	3.34E-01	1.84E+01
1207	489935.89	3858876.54	19.18	10.441	30.696	4.42853	3.14E+00	8.10E+00	5.95E+00	3.26E-01	1.75E+01	3.09E+00	3.51E-04	6.53E-02	9.53E-03	3.17E+00	3.75E+00	8.10E+00	5.95E+00	3.26E-01	1.81E+01
1208	489985.89	3858876.54	19.0815	10.2251	30.255	4.30935	3.12E+00	7.93E+00	5.87E+00	3.17E-01	1.72E+01	3.07E+00	3.43E-04	6.43E-02	9.28E-03	3.15E+00	3.73E+00	7.93E+00	5.87E+00	3.17E-01	1.78E+01
1209	490035.89	3858876.54	19.0236	10.025	29.982	4.26566	3.11E+00	7.78E+00	5.81E+00	3.14E-01	1.70E+01	3.07E+00	3.37E-04	6.37E-02	9.18E-03	3.14E+00	3.72E+00	7.78E+00	5.81E+00	3.14E-01	1.76E+01
1210	489285.89	3858926.54	14.9384	14.2203	32.4	5.86964	2.44E+00	1.10E+01	6.28E+00	4.32E-01	2.02E+01	2.41E+00	4.78E-04	6.89E-02	1.26E-02	2.49E+00	2.92E+00	1.10E+01	6.28E+00	4.32E-01	2.07E+01
1211	489335.89	3858926.54	16.1151	13.8715	32.811	5.81095	2.64E+00	1.08E+01	6.36E+00	4.28E-01	2.02E+01	2.60E+00	4.66E-04	6.98E-02	1.25E-02	2.68E+00	3.15E+00	1.08E+01	6.36E+00	4.28E-01	2.07E+01
1212	489385.89	3858926.54	17.1305	13.5154	32.593	5.70157	2.80E+00	1.05E+01	6.32E+00	4.20E-01	2.00E+01	2.76E+00	4.54E-04	6.93E-02	1.23E-02	2.84E+00	3.35E+00	1.05E+01	6.32E+00	4.20E-01	2.06E+01
1213	489435.89	3858926.54	17.719	13.2265	32.198	5.52925	2.90E+00	1.03E+01	6.24E+00	4.07E-01	1.98E+01	2.86E+00	4.44E-04	6.85E-02	1.19E-02	2.94E+00	3.47E+00	1.03E+01	6.24E+00	4.07E-01	2.04E+01
1214	489485.89	3858926.54	18.1353	12.9361	31.894	5.29909	2.97E+00	1.00E+01	6.18E+00	3.90E-01	1.96E+01	2.92E+00	4.35E-04	6.78E-02	1.14E-02	3.00E+00	3.55E+00	1.00E+01	6.18E+00	3.90E-01	2.02E+01
1215	489535.89	3858926.54	18.6264	12.6556	31.554	5.04786	3.05E+00	9.82E+00	6.12E+00	3.72E-01	1.94E+01	3.00E+00	4.25E-04	6.71E-02	1.09E-02	3.08E+00	3.64E+00	9.82E+00	6.12E+00	3.72E-01	2.00E+01
1216	489585.89	3858926.54	18.9257	12.377	30.883	4.96186	3.10E+00	9.60E+00	5.99E+00	3.65E-01	1.91E+01	3.05E+00	4.16E-04	6.57E-02	1.07E-02	3.13E+00	3.70E+00	9.60E+00	5.99E+00	3.65E-01	1.97E+01

1217	489635.89	3858926.54	19.1988	12.1186	29.955	4.86082	3.14E+00	9.40E+00	5.81E+00	3.58E-01	1.87E+01	3.09E+00	4.07E-04	6.37E-02	1.05E-02	3.17E+00	3.76E+00	9.40E+00	5.81E+00	3.58E-01	1.93E+01
1218	489685.89	3858926.54	19.3535	11.8375	30.12	4.82704	3.17E+00	9.18E+00	5.84E+00	3.55E-01	1.85E+01	3.12E+00	3.98E-04	6.40E-02	1.04E-02	3.19E+00	3.79E+00	9.18E+00	5.84E+00	3.55E-01	1.92E+01
1219	489735.89	3858926.54	19.2946	11.6305	30.659	4.7645	3.16E+00	9.02E+00	5.94E+00	3.51E-01	1.85E+01	3.11E+00	3.91E-04	6.52E-02	1.03E-02	3.18E+00	3.78E+00	9.02E+00	5.94E+00	3.51E-01	1.91E+01
1220	489785.89	3858926.54	19.1676	11.4391	30.855	4.67138	3.14E+00	8.87E+00	5.98E+00	3.44E-01	1.83E+01	3.09E+00	3.84E-04	6.56E-02	1.01E-02	3.16E+00	3.75E+00	8.87E+00	5.98E+00	3.44E-01	1.90E+01
1221	489835.89	3858926.54	18.9843	11.1945	30.841	4.55808	3.11E+00	8.68E+00	5.98E+00	3.36E-01	1.81E+01	3.06E+00	3.76E-04	6.56E-02	9.81E-03	3.13E+00	3.71E+00	8.68E+00	5.98E+00	3.36E-01	1.87E+01
1222	489885.89	3858926.54	19.0476	11.0111	30.749	4.41844	3.12E+00	8.54E+00	5.96E+00	3.25E-01	1.79E+01	3.07E+00	3.70E-04	6.54E-02	9.51E-03	3.14E+00	3.73E+00	8.54E+00	5.96E+00	3.25E-01	1.86E+01
1223	489935.89	3858926.54	19.1189	10.8011	30.376	4.28001	3.13E+00	8.38E+00	5.89E+00	3.15E-01	1.77E+01	3.08E+00	3.63E-04	6.46E-02	9.21E-03	3.15E+00	3.74E+00	8.38E+00	5.89E+00	3.15E-01	1.83E+01
1224	489985.89	3858926.54	19.0658	10.5491	29.825	4.242	3.12E+00	8.18E+00	5.78E+00	3.12E-01	1.74E+01	3.07E+00	3.54E-04	6.34E-02	9.13E-03	3.15E+00	3.73E+00	8.18E+00	5.78E+00	3.12E-01	1.80E+01
1225	490035.89	3858926.54	18.924	10.2301	29.575	4.32748	3.10E+00	7.94E+00	5.73E+00	3.19E-01	1.71E+01	3.05E+00	3.44E-04	6.29E-02	9.32E-03	3.12E+00	3.70E+00	7.94E+00	5.73E+00	3.19E-01	1.77E+01
1226	489335.89	3858976.54	14.8326	14.5301	31.059	5.49174	2.43E+00	1.13E+01	6.02E+00	4.04E-01	2.01E+01	2.39E+00	4.88E-04	6.60E-02	1.18E-02	2.47E+00	2.90E+00	1.13E+01	6.02E+00	4.04E-01	2.06E+01
1227	489385.89	3858976.54	16.0785	14.0976	31.328	5.25186	2.63E+00	1.09E+01	6.07E+00	3.87E-01	2.00E+01	2.59E+00	4.74E-04	6.66E-02	1.13E-02	2.67E+00	3.15E+00	1.09E+01	6.07E+00	3.87E-01	2.05E+01
1228	489435.89	3858976.54	17.089	13.7946	31.194	5.03171	2.80E+00	1.07E+01	6.05E+00	3.70E-01	1.99E+01	2.75E+00	4.63E-04	6.63E-02	1.08E-02	2.83E+00	3.34E+00	1.07E+01	6.05E+00	3.70E-01	2.05E+01
1229	489485.89	3858976.54	17.5947	13.4302	30.911	4.91331	2.88E+00	1.04E+01	5.99E+00	3.62E-01	1.97E+01	2.84E+00	4.51E-04	6.57E-02	1.06E-02	2.91E+00	3.44E+00	1.04E+01	5.99E+00	3.62E-01	2.02E+01
1230	489535.89	3858976.54	17.9854	13.0701	30.962	4.82014	2.94E+00	1.01E+01	6.00E+00	3.55E-01	1.94E+01	2.90E+00	4.39E-04	6.58E-02	1.04E-02	2.97E+00	3.52E+00	1.01E+01	6.00E+00	3.55E-01	2.00E+01
1231	489585.89	3858976.54	18.3912	12.7977	30.826	4.79708	3.01E+00	9.93E+00	5.98E+00	3.53E-01	1.93E+01	2.96E+00	4.30E-04	6.55E-02	1.03E-02	3.04E+00	3.60E+00	9.93E+00	5.98E+00	3.53E-01	1.99E+01
1232	489635.89	3858976.54	18.6946	12.4955	30.386	4.7845	3.06E+00	9.69E+00	5.89E+00	3.52E-01	1.90E+01	3.01E+00	4.20E-04	6.46E-02	1.03E-02	3.09E+00	3.66E+00	9.69E+00	5.89E+00	3.52E-01	1.96E+01
1233	489685.89	3858976.54	18.9579	12.1885	29.665	4.74759	3.10E+00	9.45E+00	5.75E+00	3.50E-01	1.87E+01	3.05E+00	4.09E-04	6.31E-02	1.02E-02	3.13E+00	3.71E+00	9.46E+00	5.75E+00	3.50E-01	1.93E+01
1234	489735.89	3858976.54	19.1331	11.9407	29.22	4.67629	3.13E+00	9.26E+00	5.67E+00	3.44E-01	1.84E+01	3.08E+00	4.01E-04	6.21E-02	1.01E-02	3.16E+00	3.74E+00	9.26E+00	5.67E+00	3.44E-01	1.90E+01
1235	489785.89	3858976.54	19.1427	11.7434	29.649	4.5785	3.13E+00	9.11E+00	5.75E+00	3.37E-01	1.83E+01	3.08E+00	3.94E-04	6.30E-02	9.86E-03	3.16E+00	3.75E+00	9.11E+00	5.75E+00	3.37E-01	1.89E+01
1236	489835.89	3858976.54	19.0136	11.5289	30.072	4.46863	3.11E+00	8.94E+00	5.83E+00	3.29E-01	1.82E+01	3.06E+00	3.87E-04	6.39E-02	9.62E-03	3.14E+00	3.72E+00	8.94E+00	5.83E+00	3.29E-01	1.88E+01
1237	489885.89	3858976.54	18.8361	11.2234	30.153	4.34929	3.08E+00	8.71E+00	5.85E+00	3.20E-01	1.80E+01	3.04E+00	3.77E-04	6.41E-02	9.36E-03	3.11E+00	3.69E+00	8.71E+00	5.85E+00	3.20E-01	1.86E+01
1238	489935.89	3858976.54	18.8182	10.9662	30.172	4.32376	3.08E+00	8.51E+00	5.85E+00	3.18E-01	1.78E+01	3.03E+00	3.68E-04	6.42E-02	9.31E-03	3.11E+00	3.68E+00	8.51E+00	5.85E+00	3.18E-01	1.84E+01
1239	489985.89	3858976.54	18.8929	10.7326	29.999	4.37567	3.09E+00	8.33E+00	5.82E+00	3.22E-01	1.76E+01	3.04E+00	3.61E-04	6.38E-02	9.42E-03	3.12E+00	3.70E+00	8.33E+00	5.82E+00	3.22E-01	1.82E+01
1240	490035.89	3858976.54	18.9836	10.1054	29.47	4.5658	3.10E+00	7.84E+00	5.71E+00	3.36E-01	1.70E+01	3.06E+00	3.39E-04	6.27E-02	9.83E-03	3.13E+00	3.71E+00	7.84E+00	5.71E+00	3.36E-01	1.76E+01
1241	489385.89	3859026.54	14.8225	14.3218	30.327	4.95895	2.42E+00	1.11E+01	5.88E+00	3.65E-01	1.98E+01	2.39E+00	4.81E-04	6.45E-02	1.07E-02	2.46E+00	2.90E+00	1.11E+01	5.88E+00	3.65E-01	2.03E+01
1242	489435.89	3859026.54	16.0444	13.9225	30.518	4.81899	2.62E+00	1.08E+01	5.92E+00	3.55E-01	1.97E+01	2.59E+00	4.68E-04	6.49E-02	1.04E-02	2.66E+00	3.14E+00	1.08E+01	5.92E+00	3.55E-01	2.02E+01
1243	489485.89	3859026.54	17.0025	13.5439	30.368	4.80458	2.78E+00	1.05E+01	5.89E+00	3.54E-01	1.95E+01	2.74E+00	4.55E-04	6.46E-02	1.03E-02	2.82E+00	3.33E+00	1.05E+01	5.89E+00	3.54E-01	2.01E+01
1244	489535.89	3859026.54	17.4896	13.2148	29.875	4.75454	2.86E+00	1.03E+01	5.79E+00	3.50E-01	1.93E+01	2.82E+00	4.44E-04	6.35E-02	1.02E-02	2.89E+00	3.42E+00	1.03E+01	5.79E+00	3.50E-01	1.98E+01
1245	489585.89	3859026.54	17.8285	12.8584	29.979	4.71399	2.92E+00	9.97E+00	5.81E+00	3.47E-01	1.91E+01	2.87E+00	4.32E-04	6.37E-02	1.01E-02	2.95E+00	3.49E+00	9.97E+00	5.81E+00	3.47E-01	1.96E+01
1246	489635.89	3859026.54	18.1379	12.5721	30.026	4.67515	2.97E+00	9.75E+00	5.82E+00	3.44E-01	1.89E+01	2.92E+00	4.22E-04	6.38E-02	1.01E-02	3.00E+00	3.55E+00	9.75E+00	5.82E+00	3.44E-01	1.95E+01
1247	489685.89	3859026.54	18.4882	12.2896	29.779	4.6344	3.02E+00	9.53E+00	5.77E+00	3.41E-01	1.87E+01	2.98E+00	4.13E-04	6.33E-02	9.98E-03	3.05E+00	3.62E+00	9.53E+00	5.77E+00	3.41E-01	1.93E+01
1248	489735.89	3859026.54	18.7534	12.0569	29.247	4.56345	3.07E+00	9.35E+00	5.67E+00	3.36E-01	1.84E+01	3.02E+00	4.05E-04	6.22E-02	9.82E-03	3.09E+00	3.67E+00	9.35E+00	5.67E+00	3.36E-01	1.90E+01
1249	489785.89	3859026.54	18.9483	11.8263	28.477	4.47606	3.10E+00	9.17E+00	5.52E+00	3.30E-01	1.81E+01	3.05E+00	3.97E-04	6.05E-02	9.64E-03	3.12E+00	3.71E+00	9.17E+00	5.52E+00	3.30E-01	1.87E+01
1250	489835.89	3859026.54	18.9768	11.5121	28.677	4.38887	3.10E+00	8.93E+00	5.56E+00	3.23E-01	1.79E+01	3.06E+00	3.87E-04	6.10E-02	9.45E-03	3.13E+00	3.71E+00	8.93E+00	5.56E+00	3.23E-01	1.85E+01
1251	489885.89	3859026.54	18.854	11.2509	29.145	4.41107	3.08E+00	8.73E+00	5.65E+00	3.25E-01	1.78E+01	3.04E+00	3.78E-04	6.20E-02	9.50E-03	3.11E+00	3.69E+00	8.73E+00	5.65E+00	3.25E-01	1.84E+01
1252	489935.89	3859026.54	18.7224	10.9668	29.413	4.50157	3.06E+00	8.51E+00	5.70E+00	3.31E-01	1.76E+01	3.02E+00	3.68E-04	6.25E-02	9.69E-03	3.09E+00	3.66E+00	8.51E+00	5.70E+00	3.31E-01	1.82E+01
1253	489985.89	3859026.54	18.5682	10.6902	29.433	4.60733	3.04E+00	8.29E+00	5.71E+00	3.39E-01	1.74E+01	2.99E+00	3.59E-04	6.26E-02	9.92E-03	3.06E+00	3.63E+00	8.29E+00	5.71E+00	3.39E-01	1.80E+01
1254	490035.89	3859026.54	18.7483	9.94052	29.284	4.78505	3.07E+00	7.71E+00	5.68E+00	3.52E-01	1.68E+01	3.02E+00	3.34E-04	6.23E-02	1.03E-02	3.09E+00	3.67E+00	7.71E+00	5.68E+00	3.52E-01	1.74E+01
1255	489485.89	3859076.54	16.0609	14.077	29.853	4.90089	2.63E+00	1.09E+01	5.79E+00	3.61E-01	1.97E+01	2.59E+00	4.73E-04	6.35E-02	1.06E-02	2.66E+00	3.14E+00	1.09E+01	5.79E+00	3.61E-01	2.02E+01
1256	489535.89	3859076.54	16.9029	13.677	29.86	4.79489	2.76E+00	1.06E+01	5.79E+00	3.53E-01	1.95E+01	2.72E+00	4.59E-04	6.35E-02	1.03E-02	2.80E+00	3.31E+00	1.06E+01	5.79E+00	3.53E-01	2.01E+01
1257	489585.89	3859076.54	17.3871	13.2979	29.6	4.75141	2.84E+00	1.03E+01	5.74E+00	3.50E-01	1.92E+01	2.80E+00	4.47E-04	6.29E-02	1.02E-02	2.88E+00	3.40E+00	1.03E+01	5.74E+00	3.50E-01	1.98E+01
1258	489635.89	3859076.54	17.6605	13.0141	29.422	4.74656	2.89E+00	1.01E+01	5.71E+00	3.49E-01	1.90E+01	2.85E+00	4.37E-04	6.26E-02	1.02E-02	2.92E+00	3.46E+00	1.01E+01	5.71E+00	3.49E-01	1.96E+01
1259	489685.89	3859076.54	17.8719	12.7255	29.218	4.69412	2.92E+00	9.87E+00	5.67E+00	3.46E-01	1.88E+01	2.88E+00	4.27E-04	6.21E-02	1.01E-02	2.95E+00	3.50E+00	9.87E+00	5.67E+00	3.46E-01	1.94E+01
1260	489735.89	3859076.54	18.2392	12.439	29.06	4.58956	2.98E+00	9.65E+00	5.63E+00	3.38E-01	1.86E+01	2.94E+00	4.18E-04	6.18E-02	9.88E-03	3.01E+00	3.57E+00	9.65E+00	5.63E+00	3.38E-01	1.92E+01
1261	489785.89	3859076.54	18.4555	12.1575	28.719	4.49415	3.02E+00	9.43E+00	5.57E+00	3.31E-01	1.83E+01	2.97E+00	4.08E-04	6.11E-02	9.67E-03	3.04E+00	3.61E+00	9.43E+00	5.57E+00	3.31E-01	1.89E+01
1262	489835.89	3859076.54	18.7286	11.8389	28.158	4.5245	3.06E+00	9.18E+00	5.46E+00	3.33E-01	1.80E+01	3.02E+00	3.98E-04	5.99E-02	9.74E-03	3.09E+00	3.66E+00	9.18E+00	5.46E+00	3.33E-01	1.86E+01
1263	489885.89	3859076.54	18.7745	11.52	27.77	4.61998	3.07E+00	8.94E+00	5.38E+00	3.40E-01	1.77E+01	3.03E+00	3.87E-04	5.90E-02	9.95E-03	3.09E+00	3.67E+00	8.94E+00	5.38E+00	3.40E-01	1.83E+01
1264	489935.89	3859076.54	18.7104	11.2378	28.121	4.71171	3.06E+00	8.72E+00	5.45E+00	3.47E-01	1.76E+01	3.01E+00	3.77E-04	5.98E-02	1.01E-02	3.09E+00	3.66E+00	8.72E+00	5.45E+00	3.47E-01	1.82E+01
1265	489985.89	3859076.54	18.5951	10.897	28.549	4.79567	3.04E+00	8.45E+00	5.54E+00	3.53E-01	1.74E+01	3.00E+00	3.66E-04	6.07E-02	1.03E-02	3.07E+00	3.64E+00	8.45E+00	5.54E+00	3.53E-01	1.80E+01
1266	490035.89	3859076.54	18.4913	10.2097	28.559	4.94054	3.02E+00	7.92E+00	5.54E+00	3.64E-01	1.68E+01	2.98E+00	3.43E-04	6.07E-02	1.06E-02	3.05E+00	3.62E+00	7.92E+00	5.54E+00	3.64E-01	1.74E+01
1267	489585.89	3859126.54	16.8086	13.7036	29.29	4.97071	2.75E+00	1.06E+01	5.68E+00	3.66E-01	1.94E+01	2.71E+00	4.60E-04	6.23E-02	1.07E-02	2.78E+00	3.29E+00	1.06E+01	5.68E+00	3.66E-01	2.00E+01
1268	489635.89	3859126.54	17.2502	13.433	29.24	4.84624	2.82E+00	1.04E+01	5.67E+00	3.57E-01	1.93E+01	2.78E+00	4.51E-04	6.22E-02	1.04E-02	2.85E+00	3.38E+00	1.04E+01	5.67E+00	3.57E-01	1.98E+01
1269	489685.89	3859126.54	17.4772	13.1477	29.09	4.74853	2.86E+00	1.02E+01	5.64E+00	3.50E-01	1.90E+01	2.82E+00	4.42E-04	6.19E-02	1.02E-02	2.89E+00	3.42E+00	1.02E+01	5.64E+00	3.50E-01	1.96E+01
1270	489735.89	3859126.54	17.6784	12.8709	28.874	4.60905	2.89E+00	9.98E+00	5.60E+00	3.39E-01	1.88E+01	2.85E+00	4.32E-04	6.14E-02	9.92E-03	2.92E+00	3.46E+00	9.98E+00	5.60E+00	3.39E-01	1.94E+01
1271	489785.89	3859126.54	17.9859	12.6067	28.557	4.63028	2.94E+00	9.78E+00	5.54E+00	3.41E-01	1.86E+01	2.90E+00	4.23E-04	6.07E-02	9.97E-03	2.97E+00	3.52E+00	9.78E+00	5.54E+00	3.41E-01	1.92E+01
1272	489835.89	3859126.54	18.1906	12.3035	28.13	4.74073	2.98E+00	9.54E+00	5.45E+00	3.49E-01	1.83E+01	2.93E+00	4.13E-04	5.98E-02	1.02E-02	3.00E+00	3.56E+00	9.54E+00	5.45E+00	3.49E-01	1.89E+01
1273	489885.89	3859126.54	18.4156	11.9722	27.744	4.83231	3.01E+00	9.29E+00	5.38E+00	3.56E-01	1.80E+01	2.97E+00	4.02E-04	5.90E-02	1.04E-02	3.04E+00	3.60E+00	9.29E+00	5.38E+00	3.56E-01	1.86E+01
1274	489935.89	3859126.54	18.5532	11.706	27.188	4.905	3.03E+00	9.08E+00	5.27E+00	3.61E-01	1.77E+01	2.99E+00	3.93E-04	5.78E-02	1.06E-02	3.06E+00	3.63E+00	9.08E+00	5.27E+00	3.61E-01	1.83E+01
1275	489985.89	3859126.54	18.5977	11.2407	27.163	4.9987	3.04E+00	8.72E+00	5.27E+00	3.68E-01	1.74E+01	3.00E+00	3.78E-04	5.78E-02	1.08E-02	3.07E+00	3.64E+00	8.72E+00	5.27E+00	3.68E-01	1.80E+01
1276	490035.89	3859126.54	18.527	10.7596	27.451	5.08065	3.03E+00	8.35E+00	5.32E+00	3.74E-01	1.71E+01	2.99E+00	3.61E-04	5.84E-02	1.09E-02	3.05E+00	3.63E+00	8.35E+00	5.32E+00	3.74E-01	1.77E+01
1277	489585.89	3859176.54	16.1209	13.9191	28.516	5.20365	2.64E+00	1.08E+01	5.53E+00	3.83E-01	1.93E+01	2.60E+00	4.68E-04	6.06E-02	1.12E-02	2.67E+00	3.15E+00	1.08E+01	5.53E+00	3.83E-01	1.99E+01

1278	489635.89	3859176.54	16.72	13.6534	28.8	4.95689	2.73E+00	1.06E+01	5.58E+00	3.65E-01	1.93E+01	2.69E+00	4.59E-04	6.12E-02	1.07E-02	2.77E+00	3.27E+00	1.06E+01	5.58E+00	3.65E-01	1.98E+01
1279	489685.89	3859176.54	17.1244	13.4046	28.848	4.73179	2.80E+00	1.04E+01	5.59E+00	3.48E-01	1.91E+01	2.76E+00	4.50E-04	6.13E-02	1.02E-02	2.83E+00	3.35E+00	1.04E+01	5.59E+00	3.48E-01	1.97E+01
1280	489735.89	3859176.54	17.2857	13.1436	28.636	4.75138	2.83E+00	1.02E+01	5.55E+00	3.50E-01	1.89E+01	2.79E+00	4.42E-04	6.09E-02	1.02E-02	2.86E+00	3.38E+00	1.02E+01	5.55E+00	3.50E-01	1.95E+01
1281	489785.89	3859176.54	17.481	12.8314	28.471	4.86027	2.86E+00	9.95E+00	5.52E+00	3.58E-01	1.87E+01	2.82E+00	4.31E-04	6.05E-02	1.05E-02	2.89E+00	3.42E+00	9.95E+00	5.52E+00	3.58E-01	1.93E+01
1282	489835.89	3859176.54	17.7288	12.5525	28.228	4.9395	2.90E+00	9.74E+00	5.47E+00	3.64E-01	1.85E+01	2.86E+00	4.22E-04	6.00E-02	1.06E-02	2.93E+00	3.47E+00	9.74E+00	5.47E+00	3.64E-01	1.90E+01
1283	489885.89	3859176.54	17.9819	12.2406	27.845	5.02652	2.94E+00	9.50E+00	5.40E+00	3.70E-01	1.82E+01	2.90E+00	4.11E-04	5.92E-02	1.08E-02	2.97E+00	3.52E+00	9.50E+00	5.40E+00	3.70E-01	1.88E+01
1284	489935.89	3859176.54	18.2255	11.9881	27.259	5.09647	2.98E+00	9.30E+00	5.29E+00	3.75E-01	1.79E+01	2.94E+00	4.03E-04	5.80E-02	1.10E-02	3.01E+00	3.57E+00	9.30E+00	5.29E+00	3.75E-01	1.85E+01
1285	489985.89	3859176.54	18.3477	11.5333	26.798	5.17222	3.00E+00	8.95E+00	5.20E+00	3.81E-01	1.75E+01	2.96E+00	3.87E-04	5.70E-02	1.11E-02	3.02E+00	3.59E+00	8.95E+00	5.20E+00	3.81E-01	1.81E+01
1286	490035.89	3859176.54	18.4097	11.2982	26.4	5.21486	3.01E+00	8.76E+00	5.12E+00	3.84E-01	1.73E+01	2.97E+00	3.80E-04	5.61E-02	1.12E-02	3.03E+00	3.60E+00	8.76E+00	5.12E+00	3.84E-01	1.79E+01
1287	489685.89	3859226.54	16.6181	13.5626	28.288	5.03955	2.72E+00	1.05E+01	5.49E+00	3.71E-01	1.91E+01	2.68E+00	4.56E-04	6.01E-02	1.08E-02	2.75E+00	3.25E+00	1.05E+01	5.49E+00	3.71E-01	1.96E+01
1288	489735.89	3859226.54	17.0029	13.3646	28.351	5.07819	2.78E+00	1.04E+01	5.50E+00	3.74E-01	1.90E+01	2.74E+00	4.49E-04	6.03E-02	1.09E-02	2.81E+00	3.33E+00	1.04E+01	5.50E+00	3.74E-01	1.96E+01
1289	489785.89	3859226.54	17.1401	13.0749	28.263	5.10299	2.80E+00	1.01E+01	5.48E+00	3.76E-01	1.88E+01	2.76E+00	4.39E-04	6.01E-02	1.10E-02	2.83E+00	3.35E+00	1.01E+01	5.48E+00	3.76E-01	1.94E+01
1290	489835.89	3859226.54	17.3027	12.7352	28.135	5.14407	2.83E+00	9.88E+00	5.46E+00	3.79E-01	1.85E+01	2.79E+00	4.28E-04	5.98E-02	1.11E-02	2.86E+00	3.39E+00	9.88E+00	5.46E+00	3.79E-01	1.91E+01
1291	489885.89	3859226.54	17.4732	12.4429	27.891	5.21412	2.86E+00	9.65E+00	5.41E+00	3.84E-01	1.83E+01	2.82E+00	4.18E-04	5.93E-02	1.12E-02	2.89E+00	3.42E+00	9.65E+00	5.41E+00	3.84E-01	1.89E+01
1292	489935.89	3859226.54	17.7695	12.1398	27.579	5.2712	2.91E+00	9.42E+00	5.35E+00	3.88E-01	1.81E+01	2.86E+00	4.08E-04	5.86E-02	1.13E-02	2.93E+00	3.48E+00	9.42E+00	5.35E+00	3.88E-01	1.86E+01
1293	489985.89	3859226.54	17.8906	11.6134	27.041	5.34023	2.93E+00	9.01E+00	5.24E+00	3.93E-01	1.76E+01	2.88E+00	3.90E-04	5.75E-02	1.15E-02	2.95E+00	3.50E+00	9.01E+00	5.24E+00	3.93E-01	1.81E+01
1294	490035.89	3859226.54	18.1233	11.4311	26.387	5.36332	2.96E+00	8.87E+00	5.12E+00	3.95E-01	1.73E+01	2.92E+00	3.84E-04	5.61E-02	1.15E-02	2.99E+00	3.55E+00	8.87E+00	5.12E+00	3.95E-01	1.79E+01
1295	489735.89	3859276.54	16.5137	13.6003	27.928	5.30156	2.70E+00	1.05E+01	5.42E+00	3.90E-01	1.91E+01	2.66E+00	4.57E-04	5.94E-02	1.14E-02	2.73E+00	3.23E+00	1.06E+01	5.42E+00	3.90E-01	1.96E+01
1296	489785.89	3859276.54	16.8866	13.3231	27.891	5.31491	2.76E+00	1.03E+01	5.41E+00	3.91E-01	1.89E+01	2.72E+00	4.48E-04	5.93E-02	1.14E-02	2.79E+00	3.30E+00	1.03E+01	5.41E+00	3.91E-01	1.94E+01
1297	489835.89	3859276.54	17.0432	12.9491	27.916	5.32328	2.79E+00	1.00E+01	5.41E+00	3.92E-01	1.86E+01	2.75E+00	4.35E-04	5.94E-02	1.15E-02	2.82E+00	3.34E+00	1.00E+01	5.41E+00	3.92E-01	1.92E+01
1298	489885.89	3859276.54	17.1465	12.6469	27.728	5.37349	2.80E+00	9.81E+00	5.38E+00	3.96E-01	1.84E+01	2.76E+00	4.25E-04	5.90E-02	1.16E-02	2.83E+00	3.36E+00	9.81E+00	5.38E+00	3.96E-01	1.89E+01
1299	489935.89	3859276.54	17.2638	12.3079	27.553	5.4242	2.82E+00	9.55E+00	5.34E+00	3.99E-01	1.81E+01	2.78E+00	4.13E-04	5.86E-02	1.17E-02	2.85E+00	3.38E+00	9.55E+00	5.34E+00	3.99E-01	1.87E+01
1300	489985.89	3859276.54	17.4969	11.7355	27.231	5.48013	2.86E+00	9.10E+00	5.28E+00	4.03E-01	1.76E+01	2.82E+00	3.94E-04	5.79E-02	1.18E-02	2.89E+00	3.42E+00	9.10E+00	5.28E+00	4.03E-01	1.82E+01
1301	490035.89	3859276.54	17.6244	11.7039	26.836	5.46618	2.88E+00	9.08E+00	5.20E+00	4.02E-01	1.76E+01	2.84E+00	3.93E-04	5.71E-02	1.18E-02	2.91E+00	3.45E+00	9.08E+00	5.20E+00	4.02E-01	1.81E+01
1302	490458.06	3859590.74	16.471	11.0581	23.836	5.0039	2.69E+00	8.58E+00	4.62E+00	3.68E-01	1.63E+01	2.65E+00	3.71E-04	5.07E-02	1.08E-02	2.72E+00	3.22E+00	8.58E+00	4.62E+00	3.68E-01	1.68E+01
1303	490508.06	3859590.74	16.6827	10.8055	23.63	4.96871	2.73E+00	8.38E+00	4.58E+00	3.66E-01	1.61E+01	2.69E+00	3.63E-04	5.02E-02	1.07E-02	2.75E+00	3.26E+00	8.38E+00	4.58E+00	3.66E-01	1.66E+01
1304	490558.06	3859590.74	16.7835	10.5474	23.301	4.92785	2.75E+00	8.18E+00	4.52E+00	3.63E-01	1.58E+01	2.70E+00	3.54E-04	4.95E-02	1.06E-02	2.76E+00	3.28E+00	8.18E+00	4.52E+00	3.63E-01	1.63E+01
1305	490608.06	3859590.74	16.7263	10.2592	22.779	4.8822	2.74E+00	7.96E+00	4.42E+00	3.59E-01	1.55E+01	2.70E+00	3.45E-04	4.84E-02	1.05E-02	2.75E+00	3.27E+00	7.96E+00	4.42E+00	3.59E-01	1.60E+01
1306	490658.06	3859590.74	16.5264	9.93601	22.455	4.83477	2.70E+00	7.71E+00	4.35E+00	3.56E-01	1.51E+01	2.66E+00	3.34E-04	4.77E-02	1.04E-02	2.72E+00	3.23E+00	7.71E+00	4.35E+00	3.56E-01	1.57E+01
1307	490708.06	3859590.74	16.3594	9.59158	22.239	4.78639	2.68E+00	7.44E+00	4.31E+00	3.52E-01	1.48E+01	2.64E+00	3.22E-04	4.73E-02	1.03E-02	2.69E+00	3.20E+00	7.44E+00	4.31E+00	3.52E-01	1.53E+01
1308	490758.06	3859590.74	16.2069	9.19865	22.244	4.73639	2.65E+00	7.14E+00	4.31E+00	3.49E-01	1.44E+01	2.61E+00	3.09E-04	4.73E-02	1.02E-02	2.67E+00	3.17E+00	7.14E+00	4.31E+00	3.49E-01	1.50E+01
1309	490808.06	3859590.74	16.2861	8.8931	22.402	4.68907	2.66E+00	6.90E+00	4.34E+00	3.45E-01	1.43E+01	2.62E+00	2.99E-04	4.76E-02	1.01E-02	2.68E+00	3.19E+00	6.90E+00	4.34E+00	3.45E-01	1.48E+01
1310	490858.06	3859590.74	16.3912	8.56697	22.453	4.64042	2.68E+00	6.65E+00	4.35E+00	3.42E-01	1.40E+01	2.64E+00	2.88E-04	4.77E-02	9.99E-03	2.70E+00	3.21E+00	6.65E+00	4.35E+00	3.42E-01	1.45E+01
1311	490458.06	3859640.74	16.0737	11.1358	23.758	4.93016	2.63E+00	8.64E+00	4.61E+00	3.63E-01	1.62E+01	2.59E+00	3.74E-04	5.05E-02	1.06E-02	2.65E+00	3.15E+00	8.64E+00	4.61E+00	3.63E-01	1.68E+01
1312	490508.06	3859640.74	16.1848	10.9334	23.459	4.89566	2.65E+00	8.48E+00	4.55E+00	3.60E-01	1.60E+01	2.61E+00	3.67E-04	4.99E-02	1.05E-02	2.67E+00	3.17E+00	8.48E+00	4.55E+00	3.60E-01	1.66E+01
1313	490558.06	3859640.74	16.4314	10.7235	23.286	4.85765	2.69E+00	8.32E+00	4.52E+00	3.58E-01	1.59E+01	2.65E+00	3.60E-04	4.95E-02	1.05E-02	2.71E+00	3.22E+00	8.32E+00	4.52E+00	3.58E-01	1.64E+01
1314	490608.06	3859640.74	16.5596	10.4553	23.077	4.81786	2.71E+00	8.11E+00	4.47E+00	3.55E-01	1.56E+01	2.67E+00	3.51E-04	4.91E-02	1.04E-02	2.73E+00	3.24E+00	8.11E+00	4.47E+00	3.55E-01	1.62E+01
1315	490658.06	3859640.74	16.566	10.148	22.612	4.78609	2.71E+00	7.87E+00	4.38E+00	3.52E-01	1.53E+01	2.67E+00	3.41E-04	4.81E-02	1.03E-02	2.73E+00	3.24E+00	7.87E+00	4.38E+00	3.52E-01	1.59E+01
1316	490708.06	3859640.74	16.4126	9.85168	22.081	4.75907	2.68E+00	7.64E+00	4.28E+00	3.50E-01	1.50E+01	2.64E+00	3.31E-04	4.69E-02	1.02E-02	2.70E+00	3.21E+00	7.64E+00	4.28E+00	3.50E-01	1.55E+01
1317	490758.06	3859640.74	16.2185	9.50663	21.949	4.7296	2.65E+00	7.37E+00	4.26E+00	3.48E-01	1.46E+01	2.61E+00	3.19E-04	4.67E-02	1.02E-02	2.67E+00	3.17E+00	7.37E+00	4.26E+00	3.48E-01	1.52E+01
1318	490808.06	3859640.74	16.0227	9.25417	21.828	4.70356	2.62E+00	7.18E+00	4.23E+00	3.46E-01	1.44E+01	2.58E+00	3.11E-04	4.64E-02	1.01E-02	2.64E+00	3.14E+00	7.18E+00	4.23E+00	3.46E-01	1.49E+01
1319	490858.06	3859640.74	16.0561	9.00603	21.895	4.67692	2.63E+00	6.99E+00	4.25E+00	3.44E-01	1.42E+01	2.59E+00	3.03E-04	4.66E-02	1.01E-02	2.64E+00	3.14E+00	6.99E+00	4.25E+00	3.44E-01	1.47E+01
1320	490608.06	3859690.74	16.2022	10.4892	23.038	4.9405	2.65E+00	8.14E+00	4.47E+00	3.64E-01	1.56E+01	2.61E+00	3.52E-04	4.90E-02	1.06E-02	2.67E+00	3.17E+00	8.14E+00	4.47E+00	3.64E-01	1.61E+01
1321	490658.06	3859690.74	16.3247	10.2326	22.867	4.91189	2.67E+00	7.94E+00	4.43E+00	3.62E-01	1.54E+01	2.63E+00	3.44E-04	4.86E-02	1.06E-02	2.69E+00	3.19E+00	7.94E+00	4.43E+00	3.62E-01	1.59E+01
1322	490708.06	3859690.74	16.3908	9.97587	22.424	4.88316	2.68E+00	7.74E+00	4.35E+00	3.60E-01	1.51E+01	2.64E+00	3.35E-04	4.77E-02	1.05E-02	2.70E+00	3.21E+00	7.74E+00	4.35E+00	3.60E-01	1.57E+01
1323	490758.06	3859690.74	16.3405	9.67565	21.857	4.85613	2.67E+00	7.51E+00	4.24E+00	3.58E-01	1.48E+01	2.63E+00	3.25E-04	4.65E-02	1.05E-02	2.69E+00	3.20E+00	7.51E+00	4.24E+00	3.58E-01	1.53E+01
1324	490808.06	3859690.74	16.0534	9.41969	21.615	4.82696	2.63E+00	7.31E+00	4.19E+00	3.55E-01	1.45E+01	2.59E+00	3.16E-04	4.60E-02	1.04E-02	2.64E+00	3.14E+00	7.31E+00	4.19E+00	3.55E-01	1.50E+01
1325	490858.06	3859690.74	15.8725	9.30476	21.49	4.79072	2.60E+00	7.22E+00	4.17E+00	3.53E-01	1.43E+01	2.56E+00	3.13E-04	4.57E-02	1.03E-02	2.61E+00	3.11E+00	7.22E+00	4.17E+00	3.53E-01	1.48E+01
1326	490708.06	3859740.74	16.1699	10.01	22.704	5.0616	2.64E+00	7.76E+00	4.40E+00	3.73E-01	1.52E+01	2.61E+00	3.36E-04	4.83E-02	1.09E-02	2.66E+00	3.16E+00	7.77E+00	4.40E+00	3.73E-01	1.57E+01
1327	490758.06	3859740.74	16.1655	9.83763	22.303	5.02902	2.64E+00	7.63E+00	4.32E+00	3.70E-01	1.50E+01	2.60E+00	3.30E-04	4.74E-02	1.08E-02	2.66E+00	3.16E+00	7.63E+00	4.32E+00	3.70E-01	1.55E+01
1328	490808.06	3859740.74	16.1441	9.65133	21.807	4.99613	2.64E+00	7.49E+00	4.23E+00	3.68E-01	1.47E+01	2.60E+00	3.24E-04	4.64E-02	1.08E-02	2.66E+00	3.16E+00	7.49E+00	4.23E+00	3.68E-01	1.52E+01
1329	490858.06	3859740.74	15.8644	9.49411	21.301	4.96024	2.59E+00	7.36E+00	4.13E+00	3.65E-01	1.45E+01	2.56E+00	3.19E-04	4.53E-02	1.07E-02	2.61E+00	3.10E+00	7.36E+00	4.13E+00	3.65E-01	1.50E+01
1330	490786.56	3859749.39	16.1412	9.74614	22.093	5.03919	2.64E+00	7.56E+00	4.28E+00	3.71E-01	1.49E+01	2.60E+00	3.27E-04	4.70E-02	1.08E-02	2.66E+00	3.16E+00	7.56E+00	4.28E+00	3.71E-01	1.54E+01
1331	490836.56	3859749.39	16.0272	9.56593	21.598	5.0054	2.62E+00	7.42E+00	4.19E+00	3.69E-01	1.46E+01	2.58E+00	3.21E-04	4.59E-02	1.08E-02	2.64E+00	3.14E+00	7.42E+00	4.19E+00	3.69E-01	1.51E+01
1332	490786.56	3859799.39	15.8606	9.90287	22.206	5.19105	2.59E+00	7.68E+00	4.31E+00	3.82E-01	1.50E+01	2.56E+00	3.33E-04	4.72E-02	1.12E-02	2.61E+00	3.10E+00	7.68E+00	4.31E+00	3.82E-01	1.55E+01
1333	490836.56	3859799.39	15.967	9.7248	22.015	5.15591	2.61E+00	7.54E+00	4.27E+00	3.80E-01	1.48E+01	2.57E+00	3.27E-04	4.68E-02	1.11E-02	2.63E+00	3.12E+00	7.54E+00	4.27E+00	3.80E-01	1.53E+01
1334	492307.84	3854508.36	4.98631	1.49973	32.314	4.71039	8.16E-01	1.16E+00	6.27E+00	3.47E-01	8.59E+00	8.03E-01	5.04E-05	6.87E-02	1.01E-02	8.82E-01	9.76E-01	1.16E+00	6.27E+00	3.47E-01	8.75E+00
1335	486445.7	3854753.6	5.38664	1.61395	28.941	12.16794	8.81E-01	1.25E+00	5.61E+00	8.96E-01	8.64E+00	8.68E-01	5.42E-05	6.15E-02	2.62E-02	9.56E-01	1.05E+00	1.25E+00	5.61E+00	8.96E-01	8.81E+00
1336	472599.75	3877830.11	1.35256	0.85542	2.7133	1.35354	2.21E-01	6.64E-01	5.26E-01	9.97E-02	1.51E+00	2.18E-01	2.87E-05	5.77E-03	2.91E-03	2.27E-01	2.65E-01	6.64E-01	5.26E-01	9.97E-02	1.55E+00
1337	493107.48	3866840.19	6.60252	2.92466	5.6682	7.78294	1.08E+00	2.27E+00	1.10E+00	5.73E-01	5.02E+00	1.06E+00	9.82E-05	1.21E-02	1.68E-02	1.09E+00	1.29E+00	2.27E+00	1.10E+00	5.73E-01	5.23E+00
1338	495815.79	3861662.87	7.50006	4.40548	12.102	2.85764	1.23E+00	3.42E+00	2.35E+00	2.10E-01	7.20E+00	1.21E+00	1.48E-04	2.57E-02	6.15E-03	1.24E+00	1.47E+00	3.42E+00	2.35E+00	2.10E-01	7.44E+00

1339	480272.33	3841389.2	0.86882	0.44521	2.9211	1.28993	1.42E-01	3.45E-01	5.66E-01	9.50E-02	1.15E+00	1.40E-01	1.50E-05	6.21E-03	2.78E-03	1.49E-01	1.70E-01	3.45E-01	5.66E-01	9.50E-02	1.18E+00
1340	497005.18	3862813.64	6.08926	4.42322	10.956	3.00228	9.96E-01	3.43E+00	2.12E+00	2.21E-01	6.77E+00	9.81E-01	1.49E-04	2.33E-02	6.46E-03	1.01E+00	1.19E+00	3.43E+00	2.12E+00	2.21E-01	6.97E+00
1341	493677.33	3860302.55	12.0063	5.70584	22.717	3.73081	1.96E+00	4.43E+00	4.40E+00	2.75E-01	1.11E+01	1.93E+00	1.92E-04	4.83E-02	8.03E-03	1.99E+00	2.35E+00	4.43E+00	4.40E+00	2.75E-01	1.15E+01
1342	493727.33	3860302.55	11.9499	5.63043	22.739	3.73078	1.95E+00	4.37E+00	4.41E+00	2.75E-01	1.10E+01	1.93E+00	1.89E-04	4.83E-02	8.03E-03	1.98E+00	2.34E+00	4.37E+00	4.41E+00	2.75E-01	1.14E+01
1343	493777.33	3860302.55	11.9025	5.55865	22.673	3.72695	1.95E+00	4.31E+00	4.40E+00	2.74E-01	1.09E+01	1.92E+00	1.87E-04	4.82E-02	8.02E-03	1.97E+00	2.33E+00	4.31E+00	4.40E+00	2.74E-01	1.13E+01
1344	493827.33	3860302.55	11.8358	5.49394	22.55	3.72108	1.94E+00	4.26E+00	4.37E+00	2.74E-01	1.08E+01	1.91E+00	1.85E-04	4.79E-02	8.01E-03	1.96E+00	2.32E+00	4.26E+00	4.37E+00	2.74E-01	1.12E+01
1345	493877.33	3860302.55	11.79	5.44936	22.439	3.71683	1.93E+00	4.23E+00	4.35E+00	2.74E-01	1.08E+01	1.90E+00	1.83E-04	4.77E-02	8.00E-03	1.96E+00	2.31E+00	4.23E+00	4.35E+00	2.74E-01	1.12E+01
1346	493927.33	3860302.55	11.7259	5.41479	22.308	3.71245	1.92E+00	4.20E+00	4.33E+00	2.73E-01	1.07E+01	1.89E+00	1.82E-04	4.74E-02	7.99E-03	1.95E+00	2.29E+00	4.20E+00	4.33E+00	2.73E-01	1.11E+01
1347	493977.33	3860302.55	11.6836	5.34465	21.877	3.68968	1.91E+00	4.15E+00	4.24E+00	2.72E-01	1.06E+01	1.88E+00	1.80E-04	4.65E-02	7.94E-03	1.94E+00	2.29E+00	4.15E+00	4.24E+00	2.72E-01	1.09E+01
1348	494027.33	3860302.55	11.5871	5.28646	21.53	3.67327	1.90E+00	4.10E+00	4.17E+00	2.70E-01	1.04E+01	1.87E+00	1.78E-04	4.58E-02	7.91E-03	1.92E+00	2.27E+00	4.10E+00	4.17E+00	2.70E-01	1.08E+01
1349	493677.33	3860352.55	11.8202	5.84452	22.223	3.7098	1.93E+00	4.53E+00	4.31E+00	2.73E-01	1.10E+01	1.90E+00	1.96E-04	4.72E-02	7.99E-03	1.96E+00	2.31E+00	4.53E+00	4.31E+00	2.73E-01	1.14E+01
1350	493727.33	3860352.55	11.817	5.78247	22.385	3.71468	1.93E+00	4.49E+00	4.34E+00	2.73E-01	1.10E+01	1.90E+00	1.94E-04	4.76E-02	8.00E-03	1.96E+00	2.31E+00	4.49E+00	4.34E+00	2.73E-01	1.14E+01
1351	493777.33	3860352.55	11.7836	5.7181	22.49	3.71714	1.93E+00	4.44E+00	4.36E+00	2.74E-01	1.10E+01	1.90E+00	1.92E-04	4.78E-02	8.00E-03	1.95E+00	2.31E+00	4.44E+00	4.36E+00	2.74E-01	1.14E+01
1352	493827.33	3860352.55	11.7283	5.65132	22.606	3.71461	1.92E+00	4.38E+00	4.38E+00	2.73E-01	1.10E+01	1.89E+00	1.90E-04	4.81E-02	8.00E-03	1.95E+00	2.29E+00	4.38E+00	4.38E+00	2.73E-01	1.13E+01
1353	493877.33	3860352.55	11.6879	5.58132	22.682	3.70845	1.91E+00	4.33E+00	4.40E+00	2.73E-01	1.09E+01	1.88E+00	1.87E-04	4.82E-02	7.98E-03	1.94E+00	2.29E+00	4.33E+00	4.40E+00	2.73E-01	1.13E+01
1354	493927.33	3860352.55	11.6382	5.50455	22.549	3.69793	1.90E+00	4.27E+00	4.37E+00	2.72E-01	1.08E+01	1.88E+00	1.85E-04	4.79E-02	7.96E-03	1.93E+00	2.28E+00	4.27E+00	4.37E+00	2.72E-01	1.12E+01
1355	493977.33	3860352.55	11.631	5.41697	22.278	3.68426	1.90E+00	4.20E+00	4.32E+00	2.71E-01	1.07E+01	1.87E+00	1.82E-04	4.74E-02	7.93E-03	1.93E+00	2.28E+00	4.20E+00	4.32E+00	2.71E-01	1.11E+01
1356	494027.33	3860352.55	11.5784	5.3474	22.123	3.67846	1.89E+00	4.15E+00	4.29E+00	2.71E-01	1.06E+01	1.87E+00	1.80E-04	4.70E-02	7.92E-03	1.92E+00	2.27E+00	4.15E+00	4.29E+00	2.71E-01	1.10E+01
1357	493677.33	3860402.55	11.4889	5.9139	20.726	3.75737	1.88E+00	4.59E+00	4.02E+00	2.77E-01	1.08E+01	1.85E+00	1.99E-04	4.41E-02	8.09E-03	1.90E+00	2.25E+00	4.59E+00	4.02E+00	2.77E-01	1.11E+01
1358	493727.33	3860402.55	11.551	5.86073	20.986	3.76588	1.89E+00	4.55E+00	4.07E+00	2.77E-01	1.08E+01	1.86E+00	1.97E-04	4.46E-02	8.11E-03	1.91E+00	2.26E+00	4.55E+00	4.07E+00	2.77E-01	1.12E+01
1359	493777.33	3860402.55	11.6226	5.81402	21.677	3.74906	1.90E+00	4.51E+00	4.20E+00	2.76E-01	1.09E+01	1.87E+00	1.95E-04	4.61E-02	8.07E-03	1.93E+00	2.27E+00	4.51E+00	4.20E+00	2.76E-01	1.13E+01
1360	493827.33	3860402.55	11.606	5.75608	21.686	3.76059	1.90E+00	4.46E+00	4.21E+00	2.77E-01	1.08E+01	1.87E+00	1.93E-04	4.61E-02	8.10E-03	1.92E+00	2.27E+00	4.47E+00	4.21E+00	2.77E-01	1.12E+01
1361	493877.33	3860402.55	11.5753	5.69846	21.828	3.76177	1.89E+00	4.42E+00	4.23E+00	2.77E-01	1.08E+01	1.87E+00	1.91E-04	4.64E-02	8.10E-03	1.92E+00	2.27E+00	4.42E+00	4.23E+00	2.77E-01	1.12E+01
1362	493927.33	3860402.55	11.5527	5.64145	22.329	3.7424	1.89E+00	4.38E+00	4.33E+00	2.76E-01	1.09E+01	1.86E+00	1.90E-04	4.75E-02	8.06E-03	1.92E+00	2.26E+00	4.38E+00	4.33E+00	2.76E-01	1.12E+01
1363	493977.33	3860402.55	11.5489	5.57412	22.398	3.71857	1.89E+00	4.32E+00	4.34E+00	2.74E-01	1.08E+01	1.86E+00	1.87E-04	4.76E-02	8.01E-03	1.92E+00	2.26E+00	4.32E+00	4.34E+00	2.74E-01	1.12E+01
1364	494027.33	3860402.55	11.4672	5.51341	22.417	3.71657	1.88E+00	4.28E+00	4.35E+00	2.74E-01	1.08E+01	1.85E+00	1.85E-04	4.77E-02	8.00E-03	1.90E+00	2.24E+00	4.28E+00	4.35E+00	2.74E-01	1.11E+01
1365	493677.33	3860452.55	11.1514	5.92731	19.879	3.77915	1.82E+00	4.60E+00	3.85E+00	2.78E-01	1.06E+01	1.80E+00	1.99E-04	4.23E-02	8.14E-03	1.85E+00	2.18E+00	4.60E+00	3.85E+00	2.78E-01	1.09E+01
1366	493727.33	3860452.55	11.1687	5.8634	19.762	3.80621	1.83E+00	4.55E+00	3.83E+00	2.80E-01	1.05E+01	1.80E+00	1.97E-04	4.20E-02	8.19E-03	1.85E+00	2.19E+00	4.55E+00	3.83E+00	2.80E-01	1.08E+01
1367	493777.33	3860452.55	11.2615	5.81734	19.862	3.81338	1.84E+00	4.51E+00	3.85E+00	2.81E-01	1.05E+01	1.81E+00	1.95E-04	4.22E-02	8.21E-03	1.87E+00	2.20E+00	4.51E+00	3.85E+00	2.81E-01	1.08E+01
1368	493827.33	3860452.55	11.3565	5.79059	20.364	3.8046	1.86E+00	4.49E+00	3.95E+00	2.80E-01	1.06E+01	1.83E+00	1.95E-04	4.33E-02	8.19E-03	1.88E+00	2.22E+00	4.49E+00	3.95E+00	2.80E-01	1.09E+01
1369	493877.33	3860452.55	11.4068	5.75333	20.828	3.79681	1.87E+00	4.46E+00	4.04E+00	2.80E-01	1.06E+01	1.84E+00	1.93E-04	4.43E-02	8.17E-03	1.89E+00	2.23E+00	4.46E+00	4.04E+00	2.80E-01	1.10E+01
1370	493927.33	3860452.55	11.4606	5.7187	21.619	3.77119	1.87E+00	4.44E+00	4.19E+00	2.78E-01	1.08E+01	1.85E+00	1.92E-04	4.60E-02	8.12E-03	1.90E+00	2.24E+00	4.44E+00	4.19E+00	2.78E-01	1.11E+01
1371	493977.33	3860452.55	11.4335	5.66898	21.832	3.77093	1.87E+00	4.40E+00	4.23E+00	2.78E-01	1.08E+01	1.84E+00	1.90E-04	4.64E-02	8.12E-03	1.90E+00	2.24E+00	4.40E+00	4.23E+00	2.78E-01	1.11E+01
1372	494027.33	3860452.55	11.3756	5.61696	21.972	3.76976	1.86E+00	4.36E+00	4.26E+00	2.78E-01	1.08E+01	1.83E+00	1.89E-04	4.67E-02	8.12E-03	1.89E+00	2.23E+00	4.36E+00	4.26E+00	2.78E-01	1.11E+01
1373	493677.33	3860502.55	11.1312	5.92672	18.941	3.78792	1.82E+00	4.60E+00	3.67E+00	2.79E-01	1.04E+01	1.79E+00	1.99E-04	4.03E-02	8.15E-03	1.84E+00	2.18E+00	4.60E+00	3.67E+00	2.79E-01	1.07E+01
1374	493727.33	3860502.55	11.005	5.86583	18.997	3.8079	1.80E+00	4.55E+00	3.68E+00	2.80E-01	1.03E+01	1.77E+00	1.97E-04	4.04E-02	8.20E-03	1.82E+00	2.15E+00	4.55E+00	3.68E+00	2.80E-01	1.07E+01
1375	493777.33	3860502.55	10.9106	5.82111	19.175	3.8184	1.78E+00	4.52E+00	3.72E+00	2.81E-01	1.03E+01	1.76E+00	1.96E-04	4.08E-02	8.22E-03	1.81E+00	2.13E+00	4.52E+00	3.72E+00	2.81E-01	1.06E+01
1376	493827.33	3860502.55	10.9914	5.77696	19.34	3.82651	1.80E+00	4.48E+00	3.75E+00	2.82E-01	1.03E+01	1.77E+00	1.94E-04	4.11E-02	8.24E-03	1.82E+00	2.15E+00	4.48E+00	3.75E+00	2.82E-01	1.07E+01
1377	493877.33	3860502.55	11.111	5.75228	19.651	3.82465	1.82E+00	4.46E+00	3.81E+00	2.82E-01	1.04E+01	1.79E+00	1.93E-04	4.18E-02	8.23E-03	1.84E+00	2.17E+00	4.46E+00	3.81E+00	2.82E-01	1.07E+01
1378	493927.33	3860502.55	11.2148	5.73558	20.202	3.80914	1.83E+00	4.45E+00	3.92E+00	2.80E-01	1.05E+01	1.81E+00	1.93E-04	4.30E-02	8.20E-03	1.86E+00	2.19E+00	4.45E+00	3.92E+00	2.80E-01	1.08E+01
1379	493977.33	3860502.55	11.2377	5.69023	20.442	3.81667	1.84E+00	4.41E+00	3.96E+00	2.81E-01	1.05E+01	1.81E+00	1.91E-04	4.35E-02	8.22E-03	1.86E+00	2.20E+00	4.41E+00	3.96E+00	2.81E-01	1.09E+01
1380	494027.33	3860502.55	11.2457	5.64872	20.758	3.81502	1.84E+00	4.38E+00	4.03E+00	2.81E-01	1.05E+01	1.81E+00	1.90E-04	4.41E-02	8.21E-03	1.86E+00	2.20E+00	4.38E+00	4.03E+00	2.81E-01	1.09E+01
1381	493627.33	3860552.55	11.2108	5.93435	18.265	3.75772	1.83E+00	4.60E+00	3.54E+00	2.77E-01	1.03E+01	1.81E+00	1.99E-04	3.88E-02	8.09E-03	1.85E+00	2.19E+00	4.60E+00	3.54E+00	2.77E-01	1.06E+01
1382	493677.33	3860552.55	11.0524	5.79928	18.246	3.77659	1.81E+00	4.50E+00	3.54E+00	2.78E-01	1.01E+01	1.78E+00	1.95E-04	3.88E-02	8.13E-03	1.83E+00	2.16E+00	4.50E+00	3.54E+00	2.78E-01	1.05E+01
1383	493727.33	3860552.55	10.9525	5.75846	18.232	3.79251	1.79E+00	4.47E+00	3.54E+00	2.79E-01	1.01E+01	1.76E+00	1.93E-04	3.88E-02	8.16E-03	1.81E+00	2.14E+00	4.47E+00	3.54E+00	2.79E-01	1.04E+01
1384	493777.33	3860552.55	10.882	5.71367	18.309	3.80502	1.78E+00	4.43E+00	3.55E+00	2.80E-01	1.00E+01	1.75E+00	1.92E-04	3.89E-02	8.19E-03	1.80E+00	2.13E+00	4.43E+00	3.55E+00	2.80E-01	1.04E+01
1385	493827.33	3860552.55	10.8152	5.76699	18.634	3.81525	1.77E+00	4.47E+00	3.61E+00	2.81E-01	1.01E+01	1.74E+00	1.94E-04	3.96E-02	8.21E-03	1.79E+00	2.12E+00	4.47E+00	3.61E+00	2.81E-01	1.05E+01
1386	493877.33	3860552.55	10.7287	5.72171	18.761	3.82715	1.75E+00	4.44E+00	3.64E+00	2.82E-01	1.01E+01	1.73E+00	1.92E-04	3.99E-02	8.24E-03	1.78E+00	2.10E+00	4.44E+00	3.64E+00	2.82E-01	1.05E+01
1387	493927.33	3860552.55	10.8389	5.70707	19.064	3.83281	1.77E+00	4.43E+00	3.70E+00	2.82E-01	1.02E+01	1.75E+00	1.92E-04	4.05E-02	8.25E-03	1.80E+00	2.12E+00	4.43E+00	3.70E+00	2.82E-01	1.05E+01
1388	493977.33	3860552.55	10.9579	5.6918	19.395	3.83144	1.79E+00	4.42E+00	3.76E+00	2.82E-01	1.03E+01	1.77E+00	1.91E-04	4.12E-02	8.25E-03	1.82E+00	2.14E+00	4.42E+00	3.76E+00	2.82E-01	1.06E+01
1389	494027.33	3860552.55	11.0126	5.64508	19.47	3.83959	1.80E+00	4.38E+00	3.78E+00	2.83E-01	1.02E+01	1.77E+00	1.90E-04	4.14E-02	8.27E-03	1.82E+00	2.15E+00	4.38E+00	3.78E+00	2.83E-01	1.06E+01
1390	493627.33	3860602.55	11.2004	5.84901	17.552	3.72196	1.83E+00	4.54E+00	3.40E+00	2.74E-01	1.00E+01	1.80E+00	1.96E-04	3.73E-02	8.01E-03	1.85E+00	2.19E+00	4.54E+00	3.40E+00	2.74E-01	1.04E+01
1391	493727.33	3860602.55	10.8986	5.75817	17.56	3.76487	1.78E+00	4.47E+00	3.41E+00	2.77E-01	9.93E+00	1.76E+00	1.93E-04	3.73E-02	8.10E-03	1.80E+00	2.13E+00	4.47E+00	3.41E+00	2.77E-01	1.03E+01
1392	493777.33	3860602.55	10.824	5.71699	17.807	3.77771	1.77E+00	4.43E+00	3.45E+00	2.78E-01	9.94E+00	1.74E+00	1.92E-04	3.79E-02	8.13E-03	1.79E+00	2.12E+00	4.43E+00	3.45E+00	2.78E-01	1.03E+01
1393	493827.33	3860602.55	10.7617	5.67976	17.892	3.79122	1.76E+00	4.41E+00	3.47E+00	2.79E-01	9.91E+00	1.73E+00	1.91E-04	3.80E-02	8.16E-03	1.78E+00	2.11E+00	4.41E+00	3.47E+00	2.79E-01	1.03E+01
1394	493877.33	3860602.55	10.711	5.63953	18.068	3.80065	1.75E+00	4.37E+00	3.50E+00	2.80E-01	9.91E+00	1.73E+00	1.89E-04	3.84E-02	8.18E-03	1.77E+00	2.10E+00	4.37E+00	3.50E+00	2.80E-01	1.03E+01
1395	493927.33	3860602.55	10.6346	5.59864	18.32	3.81254	1.74E+00	4.34E+00	3.55E+00	2.81E-01	9.92E+00	1.71E+00	1.88E-04	3.90E-02	8.21E-03	1.76E+00	2.08E+00	4.34E+00	3.55E+00	2.81E-01	1.03E+01
1396	493977.33	3860602.55	10.5935	5.65058	18.602	3.82253	1.73E+00	4.38E+00	3.61E+00	2.81E-01	1.00E+01	1.71E+00	1.90E-04	3.96E-02	8.23E-03	1.75E+00	2.07E+00	4.38E+00	3.61E+00	2.81E-01	1.03E+01
1397	494027.33	3860602.55	10.6698	5.51496	18.67	3.8345	1.75E+00	4.28E+00	3.62E+00	2.82E-01	9.93E+00	1.72E+00	1.85E-04	3.97E-02	8.25E-03	1.77E+00	2.09E+00	4.28E+00	3.62E+00	2.82E-01	1.03E+01
1398	493627.33	3860652.55	11.0599	5.87377	16.728	3.73434	1.81E+00	4.56E+00	3.24E+00	2.75E-01	9.88E+00	1.78E+00	1.97E-04	3.56E-02	8.04E-03	1.83E+00	2.16E+00	4.56E+00	3.24E+00	2.75E-01	1.02E+01
1399	493727.33	3860652.55	10.8934	5.78587	16.901	3.74861	1.78E+00	4.49E+00	3.28E+00	2.76E-01	9.82E+00	1.76E+00	1.94E-04	3.59E-02	8.07E-03	1.80E+00	2.13E+00	4.49E+00	3.28E+00	2.76E-01	1.02E+01

1400	493777.33	3860652.55	10.8258	5.73859	17.134	3.76461	1.77E+00	4.45E+00	3.32E+00	2.77E-01	9.82E+00	1.74E+00	1.93E-04	3.64E-02	8.10E-03	1.79E+00	2.12E+00	4.45E+00	3.32E+00	2.77E-01	1.02E+01
1401	493827.33	3860652.55	10.7248	5.68915	17.346	3.75659	1.75E+00	4.41E+00	3.36E+00	2.77E-01	9.81E+00	1.73E+00	1.91E-04	3.69E-02	8.09E-03	1.77E+00	2.10E+00	4.41E+00	3.36E+00	2.77E-01	1.02E+01
1402	493877.33	3860652.55	10.6527	5.63804	17.573	3.76628	1.74E+00	4.37E+00	3.41E+00	2.77E-01	9.80E+00	1.72E+00	1.89E-04	3.74E-02	8.11E-03	1.76E+00	2.08E+00	4.37E+00	3.41E+00	2.77E-01	1.01E+01
1403	493927.33	3860652.55	10.6053	5.59802	17.683	3.77954	1.73E+00	4.34E+00	3.43E+00	2.78E-01	9.78E+00	1.71E+00	1.88E-04	3.76E-02	8.14E-03	1.75E+00	2.08E+00	4.34E+00	3.43E+00	2.78E-01	1.01E+01
1404	493977.33	3860652.55	10.5263	5.55964	17.754	3.79245	1.72E+00	4.31E+00	3.44E+00	2.79E-01	9.76E+00	1.70E+00	1.87E-04	3.77E-02	8.16E-03	1.74E+00	2.06E+00	4.31E+00	3.44E+00	2.79E-01	1.01E+01
1405	494027.33	3860652.55	10.4665	5.52334	18.059	3.8025	1.71E+00	4.28E+00	3.50E+00	2.80E-01	9.78E+00	1.69E+00	1.86E-04	3.84E-02	8.19E-03	1.73E+00	2.05E+00	4.28E+00	3.50E+00	2.80E-01	1.01E+01
1406	494311.06	3858401.99	3.10154	1.5385	20.821	2.94401	5.07E-01	1.19E+00	4.04E+00	2.17E-01	5.95E+00	5.00E-01	5.17E-05	4.43E-02	6.34E-03	5.50E-01	6.07E-01	1.19E+00	4.04E+00	2.17E-01	6.05E+00
1407	494361.06	3858401.99	3.10494	1.54005	20.69	2.94126	5.08E-01	1.19E+00	4.01E+00	2.17E-01	5.93E+00	5.00E-01	5.17E-05	4.40E-02	6.33E-03	5.51E-01	6.08E-01	1.19E+00	4.01E+00	2.17E-01	6.03E+00
1408	494411.06	3858401.99	3.11348	1.54166	20.568	2.93798	5.09E-01	1.20E+00	3.99E+00	2.16E-01	5.91E+00	5.02E-01	5.18E-05	4.37E-02	6.32E-03	5.52E-01	6.09E-01	1.20E+00	3.99E+00	2.16E-01	6.01E+00
1409	494461.06	3858401.99	3.1273	1.54334	20.457	2.93413	5.12E-01	1.20E+00	3.97E+00	2.16E-01	5.89E+00	5.04E-01	5.18E-05	4.35E-02	6.32E-03	5.54E-01	6.12E-01	1.20E+00	3.97E+00	2.16E-01	5.99E+00
1410	494511.06	3858401.99	3.13335	1.54483	20.334	2.93048	5.12E-01	1.20E+00	3.94E+00	2.16E-01	5.87E+00	5.05E-01	5.19E-05	4.32E-02	6.31E-03	5.54E-01	6.13E-01	1.20E+00	3.94E+00	2.16E-01	5.97E+00
1411	494561.06	3858401.99	3.14465	1.54645	20.222	2.92622	5.14E-01	1.20E+00	3.92E+00	2.15E-01	5.85E+00	5.07E-01	5.19E-05	4.30E-02	6.30E-03	5.56E-01	6.15E-01	1.20E+00	3.92E+00	2.15E-01	5.95E+00
1412	494611.06	3858401.99	3.14801	1.54784	19.777	2.92216	5.15E-01	1.20E+00	3.83E+00	2.15E-01	5.77E+00	5.07E-01	5.20E-05	4.20E-02	6.29E-03	5.56E-01	6.16E-01	1.20E+00	3.83E+00	2.15E-01	5.87E+00
1413	494661.06	3858401.99	2.59677	1.54919	19.445	2.91762	4.25E-01	1.20E+00	3.77E+00	2.15E-01	5.61E+00	4.18E-01	5.20E-05	4.13E-02	6.28E-03	4.66E-01	5.08E-01	1.20E+00	3.77E+00	2.15E-01	5.70E+00
1414	494711.06	3858401.99	2.58895	1.55036	19.099	2.91314	4.23E-01	1.20E+00	3.70E+00	2.14E-01	5.54E+00	4.17E-01	5.21E-05	4.06E-02	6.27E-03	4.64E-01	5.07E-01	1.20E+00	3.70E+00	2.14E-01	5.63E+00
1415	494761.06	3858401.99	2.58894	1.55165	18.979	2.90818	4.23E-01	1.20E+00	3.68E+00	2.14E-01	5.52E+00	4.17E-01	5.21E-05	4.04E-02	6.26E-03	4.64E-01	5.07E-01	1.20E+00	3.68E+00	2.14E-01	5.60E+00
1416	494811.06	3858401.99	2.58382	1.55282	18.827	2.90265	4.23E-01	1.20E+00	3.65E+00	2.14E-01	5.49E+00	4.16E-01	5.22E-05	4.00E-02	6.25E-03	4.63E-01	5.06E-01	1.20E+00	3.65E+00	2.14E-01	5.57E+00
1417	494861.06	3858401.99	2.57935	1.55398	18.686	2.89797	4.22E-01	1.21E+00	3.62E+00	2.13E-01	5.46E+00	4.16E-01	5.22E-05	3.97E-02	6.24E-03	4.62E-01	5.05E-01	1.21E+00	3.62E+00	2.13E-01	5.55E+00
1418	494911.06	3858401.99	2.57534	1.55508	18.546	2.89556	4.21E-01	1.21E+00	3.60E+00	2.13E-01	5.44E+00	4.15E-01	5.22E-05	3.94E-02	6.23E-03	4.61E-01	5.04E-01	1.21E+00	3.60E+00	2.13E-01	5.52E+00
1419	494961.06	3858401.99	2.56947	1.55611	18.401	2.89331	4.20E-01	1.21E+00	3.57E+00	2.13E-01	5.41E+00	4.14E-01	5.23E-05	3.91E-02	6.23E-03	4.59E-01	5.03E-01	1.21E+00	3.57E+00	2.13E-01	5.49E+00
1420	495011.06	3858401.99	2.56132	1.55701	17.435	2.77903	4.19E-01	1.21E+00	3.38E+00	2.05E-01	5.21E+00	4.13E-01	5.23E-05	3.71E-02	5.98E-03	4.56E-01	5.01E-01	1.21E+00	3.38E+00	2.05E-01	5.29E+00
1421	495061.06	3858401.99	2.55627	1.55795	16.506	2.74771	4.18E-01	1.21E+00	3.20E+00	2.02E-01	5.03E+00	4.12E-01	5.23E-05	3.51E-02	5.92E-03	4.53E-01	5.00E-01	1.21E+00	3.20E+00	2.02E-01	5.11E+00
1422	495111.06	3858401.99	2.54499	1.46099	16.286	2.73064	4.16E-01	1.13E+00	3.16E+00	2.01E-01	4.91E+00	4.10E-01	4.91E-05	3.46E-02	5.88E-03	4.51E-01	4.98E-01	1.13E+00	3.16E+00	2.01E-01	4.99E+00
1423	495161.06	3858401.99	2.5429	1.45964	16.199	2.72412	4.16E-01	1.13E+00	3.14E+00	2.01E-01	4.89E+00	4.10E-01	4.90E-05	3.44E-02	5.86E-03	4.50E-01	4.98E-01	1.13E+00	3.14E+00	2.01E-01	4.97E+00
1424	495211.06	3858401.99	2.16559	1.42762	16.07	2.67476	3.54E-01	1.11E+00	3.12E+00	1.97E-01	4.77E+00	3.49E-01	4.80E-05	3.42E-02	5.76E-03	3.89E-01	4.24E-01	1.11E+00	3.12E+00	1.97E-01	4.84E+00
1425	495261.06	3858401.99	2.15919	1.36242	15.965	2.66282	3.53E-01	1.06E+00	3.10E+00	1.96E-01	4.70E+00	3.48E-01	4.58E-05	3.39E-02	5.73E-03	3.88E-01	4.23E-01	1.06E+00	3.10E+00	1.96E-01	4.77E+00
1426	495311.06	3858401.99	2.15166	1.36096	15.859	2.61147	3.52E-01	1.06E+00	3.08E+00	1.92E-01	4.68E+00	3.47E-01	4.57E-05	3.37E-02	5.62E-03	3.86E-01	4.21E-01	1.06E+00	3.08E+00	1.92E-01	4.74E+00
1427	495361.06	3858401.99	2.14538	1.35952	15.763	2.60128	3.51E-01	1.05E+00	3.06E+00	1.92E-01	4.65E+00	3.46E-01	4.57E-05	3.35E-02	5.60E-03	3.85E-01	4.20E-01	1.05E+00	3.06E+00	1.92E-01	4.72E+00
1428	495411.06	3858401.99	2.14047	1.35812	15.677	2.5912	3.50E-01	1.05E+00	3.04E+00	1.91E-01	4.63E+00	3.45E-01	4.56E-05	3.33E-02	5.58E-03	3.84E-01	4.19E-01	1.05E+00	3.04E+00	1.91E-01	4.70E+00
1429	495461.06	3858401.99	2.14115	1.35672	15.594	2.58105	3.50E-01	1.05E+00	3.02E+00	1.90E-01	4.62E+00	3.45E-01	4.56E-05	3.32E-02	5.56E-03	3.84E-01	4.19E-01	1.05E+00	3.02E+00	1.90E-01	4.69E+00
1430	495511.06	3858401.99	2.14992	1.35527	15.509	2.57064	3.52E-01	1.05E+00	3.01E+00	1.89E-01	4.60E+00	3.46E-01	4.55E-05	3.30E-02	5.53E-03	3.85E-01	4.21E-01	1.05E+00	3.01E+00	1.89E-01	4.67E+00
1431	495561.06	3858401.99	2.15543	1.35378	15.428	2.56023	3.53E-01	1.05E+00	2.99E+00	1.88E-01	4.58E+00	3.47E-01	4.55E-05	3.28E-02	5.51E-03	3.86E-01	4.22E-01	1.05E+00	2.99E+00	1.88E-01	4.65E+00
1432	495611.06	3858401.99	2.163	1.35224	15.346	2.54957	3.54E-01	1.05E+00	2.98E+00	1.88E-01	4.57E+00	3.49E-01	4.54E-05	3.26E-02	5.49E-03	3.87E-01	4.23E-01	1.05E+00	2.98E+00	1.88E-01	4.64E+00
1433	495661.06	3858401.99	2.17451	1.35066	15.264	2.5387	3.56E-01	1.05E+00	2.96E+00	1.87E-01	4.55E+00	3.50E-01	4.54E-05	3.25E-02	5.47E-03	3.88E-01	4.26E-01	1.05E+00	2.96E+00	1.87E-01	4.62E+00
1434	494311.06	3858451.99	3.06776	1.58491	20.531	2.9408	5.02E-01	1.23E+00	3.98E+00	2.17E-01	5.93E+00	4.94E-01	5.32E-05	4.37E-02	6.33E-03	5.44E-01	6.00E-01	1.23E+00	3.98E+00	2.17E-01	6.03E+00
1435	494361.06	3858451.99	3.05882	1.58446	20.39	2.93785	5.00E-01	1.23E+00	3.95E+00	2.16E-01	5.90E+00	4.93E-01	5.32E-05	4.34E-02	6.32E-03	5.43E-01	5.99E-01	1.23E+00	3.95E+00	2.16E-01	6.00E+00
1436	494411.06	3858451.99	3.06279	1.58399	20.261	2.93457	5.01E-01	1.23E+00	3.93E+00	2.16E-01	5.87E+00	4.94E-01	5.32E-05	4.31E-02	6.32E-03	5.43E-01	5.99E-01	1.23E+00	3.93E+00	2.16E-01	5.97E+00
1437	494461.06	3858451.99	3.06835	1.58416	20.138	2.931	5.02E-01	1.23E+00	3.90E+00	2.16E-01	5.85E+00	4.94E-01	5.32E-05	4.28E-02	6.31E-03	5.44E-01	6.00E-01	1.23E+00	3.90E+00	2.16E-01	5.95E+00
1438	494511.06	3858451.99	3.08059	1.58545	20.037	2.92696	5.04E-01	1.23E+00	3.89E+00	2.15E-01	5.83E+00	4.96E-01	5.33E-05	4.26E-02	6.30E-03	5.45E-01	6.03E-01	1.23E+00	3.89E+00	2.15E-01	5.93E+00
1439	494561.06	3858451.99	3.08227	1.58655	19.899	2.92319	5.04E-01	1.23E+00	3.86E+00	2.15E-01	5.81E+00	4.97E-01	5.33E-05	4.23E-02	6.29E-03	5.45E-01	6.03E-01	1.23E+00	3.86E+00	2.15E-01	5.91E+00
1440	494611.06	3858451.99	3.0929	1.58768	19.795	2.91902	5.06E-01	1.23E+00	3.84E+00	2.15E-01	5.79E+00	4.98E-01	5.33E-05	4.21E-02	6.28E-03	5.47E-01	6.05E-01	1.23E+00	3.84E+00	2.15E-01	5.89E+00
1441	494661.06	3858451.99	3.10019	1.58871	19.692	2.91659	5.07E-01	1.23E+00	3.82E+00	2.15E-01	5.77E+00	5.00E-01	5.34E-05	4.19E-02	6.28E-03	5.48E-01	6.07E-01	1.23E+00	3.82E+00	2.15E-01	5.87E+00
1442	494711.06	3858451.99	3.10459	1.58961	19.584	2.91609	5.08E-01	1.23E+00	3.80E+00	2.15E-01	5.75E+00	5.00E-01	5.34E-05	4.16E-02	6.28E-03	5.48E-01	6.08E-01	1.23E+00	3.80E+00	2.15E-01	5.85E+00
1443	494761.06	3858451.99	3.10747	1.59046	19.475	2.9154	5.08E-01	1.23E+00	3.78E+00	2.15E-01	5.73E+00	5.01E-01	5.34E-05	4.14E-02	6.28E-03	5.48E-01	6.08E-01	1.23E+00	3.78E+00	2.15E-01	5.83E+00
1444	494811.06	3858451.99	3.11197	1.59132	19.047	2.91408	5.09E-01	1.23E+00	3.69E+00	2.15E-01	5.65E+00	5.01E-01	5.35E-05	4.05E-02	6.27E-03	5.48E-01	6.09E-01	1.23E+00	3.69E+00	2.15E-01	5.75E+00
1445	494861.06	3858451.99	2.5686	1.59214	18.46	2.91244	4.20E-01	1.24E+00	3.58E+00	2.14E-01	5.45E+00	4.14E-01	5.35E-05	3.92E-02	6.27E-03	4.59E-01	5.03E-01	1.24E+00	3.58E+00	2.14E-01	5.53E+00
1446	494911.06	3858451.99	2.55948	1.59296	18.347	2.90977	4.19E-01	1.24E+00	3.56E+00	2.14E-01	5.43E+00	4.12E-01	5.35E-05	3.90E-02	6.26E-03	4.58E-01	5.01E-01	1.24E+00	3.56E+00	2.14E-01	5.51E+00
1447	494961.06	3858451.99	2.55617	1.59346	18.169	2.90601	4.18E-01	1.24E+00	3.52E+00	2.14E-01	5.39E+00	4.12E-01	5.35E-05	3.86E-02	6.26E-03	4.57E-01	5.00E-01	1.24E+00	3.52E+00	2.14E-01	5.47E+00
1448	495011.06	3858451.99	2.54745	1.59399	18.019	2.90177	4.17E-01	1.24E+00	3.49E+00	2.14E-01	5.36E+00	4.10E-01	5.35E-05	3.83E-02	6.25E-03	4.55E-01	4.98E-01	1.24E+00	3.49E+00	2.14E-01	5.44E+00
1449	495061.06	3858451.99	2.54716	1.59466	17.92	2.89899	4.17E-01	1.24E+00	3.47E+00	2.13E-01	5.34E+00	4.10E-01	5.36E-05	3.81E-02	6.24E-03	4.55E-01	4.98E-01	1.24E+00	3.47E+00	2.13E-01	5.42E+00
1450	495111.06	3858451.99	2.53846	1.59511	17.303	2.82267	4.15E-01	1.24E+00	3.36E+00	2.08E-01	5.22E+00	4.09E-01	5.36E-05	3.68E-02	6.08E-03	4.52E-01	4.97E-01	1.24E+00	3.36E+00	2.08E-01	5.30E+00
1451	495161.06	3858451.99	2.53169	1.59548	16.061	2.73607	4.14E-01	1.24E+00	3.11E+00	2.01E-01	4.97E+00	4.08E-01	5.36E-05	3.41E-02	5.89E-03	4.48E-01	4.95E-01	1.24E+00	3.11E+00	2.01E-01	5.05E+00
1452	495211.06	3858451.99	2.52452	1.48805	15.965	2.72727	4.13E-01	1.15E+00	3.10E+00	2.01E-01	4.86E+00	4.07E-01	5.00E-05	3.39E-02	5.87E-03	4.47E-01	4.94E-01	1.15E+00	3.10E+00	2.01E-01	4.94E+00
1453	495261.06	3858451.99	2.52035	1.45899	15.874	2.7195	4.12E-01	1.13E+00	3.08E+00	2.00E-01	4.82E+00	4.06E-01	4.90E-05	3.38E-02	5.85E-03	4.46E-01	4.93E-01	1.13E+00	3.08E+00	2.00E-01	4.90E+00
1454	495311.06	3858451.99	2.51722	1.45685	15.785	2.70348	4.12E-01	1.13E+00	3.06E+00	1.99E-01	4.80E+00	4.06E-01	4.89E-05	3.36E-02	5.82E-03	4.45E-01	4.93E-01	1.13E+00	3.06E+00	1.99E-01	4.88E+00
1455	495361.06	3858451.99	2.14825	1.45471	15.697	2.68614	3.51E-01	1.13E+00	3.04E+00	1.98E-01	4.72E+00	3.46E-01	4.89E-05	3.34E-02	5.78E-03	3.85E-01	4.20E-01	1.13E+00	3.04E+00	1.98E-01	4.79E+00
1456	495411.06	3858451.99	2.14608	1.45258	15.611	2.67829	3.51E-01	1.13E+00	3.03E+00	1.97E-01	4.70E+00	3.46E-01	4.88E-05	3.32E-02	5.77E-03	3.85E-01	4.20E-01	1.13E+00	3.03E+00	1.97E-01	4.77E+00
1457	495461.06	3858451.99	2.14424	1.45041	15.526	2.67178	3.51E-01	1.13E+00	3.01E+00	1.97E-01	4.68E+00	3.46E-01	4.87E-05	3.30E-02	5.75E-03	3.84E-01	4.20E-01	1.13E+00	3.01E+00	1.97E-01	4.75E+00
1458	495511.06	3858451.99	2.13859	1.44817	15.439	2.63661	3.50E-01	1.12E+00	2.99E+00	1.94E-01	4.66E+00	3.45E-01	4.86E-05	3.28E-02	5.68E-03	3.83E-01	4.18E-01	1.12E+00	2.99E+00	1.94E-01	4.73E+00
1459	495561.06	3858451.99	2.13778	1.44603	15.357	2.65413	3.50E-01	1.12E+00	2.98E+00	1.95E-01	4.64E+00	3.44E-01	4.86E-05	3.27E-02	5.71E-03	3.83E-01	4.18E-01	1.12E+00	2.98E+00	1.95E-01	4.71E+00
1460	495611.06	3858451.99	2.13037	1.38128	15.269	2.62006	3.48E-01	1.07E+00	2.96E+00	1.93E-01	4.57E+00	3.43E-01	4.64E-05	3.25E-02	5.64E-03	3.81E-01	4.17E-01	1.07E+00	2.96E+00	1.93E-01	4.64E+00

1461	495661.06	3858451.99	2.12957	1.44152	15.187	2.61173	3.48E-01	1.12E+00	2.94E+00	1.92E-01	4.60E+00	3.43E-01	4.84E-05	3.23E-02	5.62E-03	3.81E-01	4.17E-01	1.12E+00	2.94E+00	1.92E-01	4.67E+00
1462	494311.06	3858501.99	3.03139	1.63341	21.772	2.93412	4.96E-01	1.27E+00	4.22E+00	2.16E-01	6.20E+00	4.88E-01	5.49E-05	4.63E-02	6.32E-03	5.41E-01	5.93E-01	1.27E+00	4.22E+00	2.16E-01	6.30E+00
1463	494361.06	3858501.99	3.03306	1.63267	21.574	2.93082	4.96E-01	1.27E+00	4.18E+00	2.16E-01	6.16E+00	4.89E-01	5.48E-05	4.59E-02	6.31E-03	5.41E-01	5.94E-01	1.27E+00	4.18E+00	2.16E-01	6.26E+00
1464	494411.06	3858501.99	3.02849	1.63183	21.106	2.92742	4.95E-01	1.27E+00	4.09E+00	2.16E-01	6.07E+00	4.88E-01	5.48E-05	4.49E-02	6.30E-03	5.39E-01	5.93E-01	1.27E+00	4.09E+00	2.16E-01	6.17E+00
1465	494461.06	3858501.99	3.03568	1.63101	20.383	2.92358	4.97E-01	1.27E+00	3.95E+00	2.15E-01	5.93E+00	4.89E-01	5.48E-05	4.33E-02	6.29E-03	5.39E-01	5.94E-01	1.27E+00	3.95E+00	2.15E-01	6.03E+00
1466	494511.06	3858501.99	3.01956	1.62997	19.79	2.92021	4.94E-01	1.26E+00	3.84E+00	2.15E-01	5.81E+00	4.87E-01	5.48E-05	4.21E-02	6.29E-03	5.35E-01	5.91E-01	1.26E+00	3.84E+00	2.15E-01	5.91E+00
1467	494561.06	3858501.99	3.05256	1.62923	19.721	2.91907	4.99E-01	1.26E+00	3.82E+00	2.15E-01	5.80E+00	4.92E-01	5.47E-05	4.19E-02	6.28E-03	5.40E-01	5.97E-01	1.26E+00	3.82E+00	2.15E-01	5.90E+00
1468	494611.06	3858501.99	3.04442	1.62812	19.576	2.91922	4.98E-01	1.26E+00	3.80E+00	2.15E-01	5.77E+00	4.91E-01	5.47E-05	4.16E-02	6.28E-03	5.39E-01	5.96E-01	1.26E+00	3.80E+00	2.15E-01	5.87E+00
1469	494661.06	3858501.99	3.05374	1.62709	19.454	2.91863	4.99E-01	1.26E+00	3.77E+00	2.15E-01	5.75E+00	4.92E-01	5.47E-05	4.14E-02	6.28E-03	5.40E-01	5.98E-01	1.26E+00	3.77E+00	2.15E-01	5.85E+00
1470	494711.06	3858501.99	3.04833	1.62588	19.301	2.91854	4.99E-01	1.26E+00	3.74E+00	2.15E-01	5.72E+00	4.91E-01	5.46E-05	4.10E-02	6.28E-03	5.39E-01	5.96E-01	1.26E+00	3.74E+00	2.15E-01	5.82E+00
1471	494761.06	3858501.99	3.04248	1.62544	19.209	2.91849	4.98E-01	1.26E+00	3.72E+00	2.15E-01	5.70E+00	4.90E-01	5.46E-05	4.08E-02	6.28E-03	5.37E-01	5.95E-01	1.26E+00	3.72E+00	2.15E-01	5.80E+00
1472	494811.06	3858501.99	3.04732	1.62581	19.117	2.91807	4.98E-01	1.26E+00	3.71E+00	2.15E-01	5.68E+00	4.91E-01	5.46E-05	4.06E-02	6.28E-03	5.38E-01	5.96E-01	1.26E+00	3.71E+00	2.15E-01	5.78E+00
1473	494861.06	3858501.99	3.05542	1.62625	19.025	2.91686	5.00E-01	1.26E+00	3.69E+00	2.15E-01	5.67E+00	4.92E-01	5.46E-05	4.05E-02	6.28E-03	5.39E-01	5.98E-01	1.26E+00	3.69E+00	2.15E-01	5.76E+00
1474	494911.06	3858501.99	3.05179	1.6264	18.608	2.91671	4.99E-01	1.26E+00	3.61E+00	2.15E-01	5.58E+00	4.92E-01	5.46E-05	3.96E-02	6.28E-03	5.38E-01	5.97E-01	1.26E+00	3.61E+00	2.15E-01	5.68E+00
1475	494961.06	3858501.99	2.53598	1.62676	18.083	2.91479	4.15E-01	1.26E+00	3.51E+00	2.15E-01	5.40E+00	4.09E-01	5.46E-05	3.84E-02	6.27E-03	4.53E-01	4.96E-01	1.26E+00	3.51E+00	2.15E-01	5.48E+00
1476	495011.06	3858501.99	2.52762	1.62691	17.754	2.91268	4.13E-01	1.26E+00	3.44E+00	2.14E-01	5.33E+00	4.07E-01	5.47E-05	3.77E-02	6.27E-03	4.51E-01	4.95E-01	1.26E+00	3.44E+00	2.14E-01	5.41E+00
1477	495061.06	3858501.99	2.52985	1.62724	17.669	2.91014	4.14E-01	1.26E+00	3.43E+00	2.14E-01	5.32E+00	4.08E-01	5.47E-05	3.76E-02	6.26E-03	4.52E-01	4.95E-01	1.26E+00	3.43E+00	2.14E-01	5.40E+00
1478	495111.06	3858501.99	2.51589	1.62718	17.503	2.90355	4.12E-01	1.26E+00	3.39E+00	2.14E-01	5.28E+00	4.05E-01	5.47E-05	3.72E-02	6.25E-03	4.49E-01	4.92E-01	1.26E+00	3.39E+00	2.14E-01	5.36E+00
1479	495161.06	3858501.99	2.51033	1.62723	17.263	2.8569	4.11E-01	1.26E+00	3.35E+00	2.10E-01	5.23E+00	4.04E-01	5.47E-05	3.67E-02	6.15E-03	4.47E-01	4.91E-01	1.26E+00	3.35E+00	2.10E-01	5.31E+00
1480	495211.06	3858501.99	2.50612	1.62722	16.416	2.76372	4.10E-01	1.26E+00	3.18E+00	2.03E-01	5.06E+00	4.04E-01	5.47E-05	3.49E-02	5.95E-03	4.45E-01	4.90E-01	1.26E+00	3.18E+00	2.03E-01	5.14E+00
1481	495261.06	3858501.99	2.50494	1.62724	15.735	2.72556	4.10E-01	1.26E+00	3.05E+00	2.01E-01	4.92E+00	4.04E-01	5.47E-05	3.35E-02	5.87E-03	4.43E-01	4.90E-01	1.26E+00	3.05E+00	2.01E-01	5.00E+00
1482	495311.06	3858501.99	2.50566	1.62732	15.654	2.71699	4.10E-01	1.26E+00	3.04E+00	2.00E-01	4.91E+00	4.04E-01	5.47E-05	3.33E-02	5.85E-03	4.43E-01	4.90E-01	1.26E+00	3.04E+00	2.00E-01	4.99E+00
1483	495361.06	3858501.99	2.50583	1.62738	15.574	2.70834	4.10E-01	1.26E+00	3.02E+00	1.99E-01	4.89E+00	4.04E-01	5.47E-05	3.31E-02	5.83E-03	4.43E-01	4.90E-01	1.26E+00	3.02E+00	1.99E-01	4.97E+00
1484	495411.06	3858501.99	2.50663	1.50526	15.495	2.69968	4.10E-01	1.17E+00	3.00E+00	1.99E-01	4.78E+00	4.04E-01	5.06E-05	3.29E-02	5.81E-03	4.43E-01	4.90E-01	1.17E+00	3.00E+00	1.99E-01	4.86E+00
1485	495461.06	3858501.99	2.50653	1.50303	15.416	2.69093	4.10E-01	1.17E+00	2.99E+00	1.98E-01	4.76E+00	4.04E-01	5.05E-05	3.28E-02	5.79E-03	4.43E-01	4.90E-01	1.17E+00	2.99E+00	1.98E-01	4.84E+00
1486	495511.06	3858501.99	2.50491	1.50077	15.337	2.68204	4.10E-01	1.16E+00	2.97E+00	1.97E-01	4.75E+00	4.04E-01	5.04E-05	3.26E-02	5.77E-03	4.42E-01	4.90E-01	1.16E+00	2.97E+00	1.97E-01	4.83E+00
1487	495561.06	3858501.99	2.50757	1.62756	15.263	2.67328	4.10E-01	1.26E+00	2.96E+00	1.97E-01	4.83E+00	4.04E-01	5.47E-05	3.25E-02	5.75E-03	4.42E-01	4.91E-01	1.26E+00	2.96E+00	1.97E-01	4.91E+00
1488	495611.06	3858501.99	2.50364	1.62753	15.216	2.67014	4.09E-01	1.26E+00	2.95E+00	1.97E-01	4.82E+00	4.03E-01	5.47E-05	3.24E-02	5.75E-03	4.42E-01	4.90E-01	1.26E+00	2.95E+00	1.97E-01	4.90E+00
1489	495661.06	3858501.99	2.50176	1.49391	15.123	2.65513	4.09E-01	1.16E+00	2.93E+00	1.95E-01	4.70E+00	4.03E-01	5.02E-05	3.22E-02	5.72E-03	4.41E-01	4.90E-01	1.16E+00	2.93E+00	1.95E-01	4.78E+00
1490	494311.06	3858551.99	2.92006	1.67706	23.911	2.94186	4.78E-01	1.30E+00	4.64E+00	2.17E-01	6.63E+00	4.71E-01	5.63E-05	5.08E-02	6.33E-03	5.28E-01	5.71E-01	1.30E+00	4.64E+00	2.17E-01	6.73E+00
1491	494361.06	3858551.99	2.97927	1.67617	25.56	2.95313	4.87E-01	1.30E+00	4.96E+00	2.17E-01	6.96E+00	4.80E-01	5.63E-05	5.43E-02	6.36E-03	5.41E-01	5.83E-01	1.30E+00	4.96E+00	2.17E-01	7.06E+00
1492	494411.06	3858551.99	3.03618	1.675	24.344	2.95176	4.97E-01	1.30E+00	4.72E+00	2.17E-01	6.73E+00	4.89E-01	5.63E-05	5.18E-02	6.35E-03	5.47E-01	5.94E-01	1.30E+00	4.72E+00	2.17E-01	6.83E+00
1493	494461.06	3858551.99	3.0707	1.67379	24.217	2.95237	5.02E-01	1.30E+00	4.70E+00	2.17E-01	6.71E+00	4.95E-01	5.62E-05	5.15E-02	6.36E-03	5.53E-01	6.01E-01	1.30E+00	4.70E+00	2.17E-01	6.81E+00
1494	494511.06	3858551.99	3.0723	1.67243	23.359	2.94712	5.03E-01	1.30E+00	4.53E+00	2.17E-01	6.55E+00	4.95E-01	5.62E-05	4.97E-02	6.34E-03	5.51E-01	6.01E-01	1.30E+00	4.53E+00	2.17E-01	6.65E+00
1495	494561.06	3858551.99	3.08053	1.67107	23.154	2.94279	5.04E-01	1.30E+00	4.49E+00	2.17E-01	6.51E+00	4.96E-01	5.61E-05	4.92E-02	6.34E-03	5.52E-01	6.03E-01	1.30E+00	4.49E+00	2.17E-01	6.61E+00
1496	494611.06	3858551.99	3.06747	1.66958	21.95	2.93452	5.02E-01	1.30E+00	4.26E+00	2.16E-01	6.27E+00	4.94E-01	5.61E-05	4.67E-02	6.32E-03	5.47E-01	6.00E-01	1.30E+00	4.26E+00	2.16E-01	6.37E+00
1497	494661.06	3858551.99	3.06355	1.66806	21.106	2.92677	5.01E-01	1.29E+00	4.09E+00	2.15E-01	6.10E+00	4.94E-01	5.60E-05	4.49E-02	6.30E-03	5.45E-01	5.99E-01	1.29E+00	4.09E+00	2.15E-01	6.20E+00
1498	494711.06	3858551.99	3.03464	1.66632	20.627	2.9165	4.96E-01	1.29E+00	4.00E+00	2.15E-01	6.00E+00	4.89E-01	5.60E-05	4.39E-02	6.28E-03	5.39E-01	5.94E-01	1.29E+00	4.00E+00	2.15E-01	6.10E+00
1499	494761.06	3858551.99	3.01307	1.66456	19.255	2.91669	4.93E-01	1.29E+00	3.73E+00	2.15E-01	5.73E+00	4.86E-01	5.59E-05	4.09E-02	6.28E-03	5.33E-01	5.90E-01	1.29E+00	3.73E+00	2.15E-01	5.83E+00
1500	494811.06	3858551.99	3.00348	1.66284	19.038	2.91625	4.91E-01	1.29E+00	3.69E+00	2.15E-01	5.69E+00	4.84E-01	5.59E-05	4.05E-02	6.28E-03	5.31E-01	5.88E-01	1.29E+00	3.69E+00	2.15E-01	5.78E+00
1501	494861.06	3858551.99	2.99478	1.66098	18.926	2.91605	4.90E-01	1.29E+00	3.67E+00	2.15E-01	5.66E+00	4.83E-01	5.58E-05	4.02E-02	6.28E-03	5.29E-01	5.86E-01	1.29E+00	3.67E+00	2.15E-01	5.76E+00
1502	494911.06	3858551.99	2.98361	1.65902	18.813	2.91595	4.88E-01	1.29E+00	3.65E+00	2.15E-01	5.64E+00	4.81E-01	5.57E-05	4.00E-02	6.28E-03	5.27E-01	5.84E-01	1.29E+00	3.65E+00	2.15E-01	5.73E+00
1503	494961.06	3858551.99	2.98945	1.65711	18.702	2.91518	4.89E-01	1.29E+00	3.63E+00	2.15E-01	5.62E+00	4.82E-01	5.57E-05	3.98E-02	6.28E-03	5.28E-01	5.85E-01	1.29E+00	3.63E+00	2.15E-01	5.71E+00
1504	495011.06	3858551.99	2.99011	1.65506	18.481	2.91472	4.89E-01	1.28E+00	3.58E+00	2.15E-01	5.57E+00	4.82E-01	5.56E-05	3.93E-02	6.27E-03	5.27E-01	5.85E-01	1.28E+00	3.58E+00	2.15E-01	5.67E+00
1505	495061.06	3858551.99	2.49892	1.65441	17.939	2.91306	4.09E-01	1.28E+00	3.48E+00	2.14E-01	5.38E+00	4.03E-01	5.56E-05	3.81E-02	6.27E-03	4.47E-01	4.89E-01	1.28E+00	3.48E+00	2.14E-01	5.47E+00
1506	495111.06	3858551.99	2.48704	1.6539	17.337	2.91109	4.07E-01	1.28E+00	3.36E+00	2.14E-01	5.27E+00	4.01E-01	5.56E-05	3.69E-02	6.27E-03	4.44E-01	4.87E-01	1.28E+00	3.36E+00	2.14E-01	5.35E+00
1507	495161.06	3858551.99	2.48374	1.65354	17.2	2.90621	4.06E-01	1.28E+00	3.34E+00	2.14E-01	5.24E+00	4.00E-01	5.55E-05	3.66E-02	6.26E-03	4.43E-01	4.86E-01	1.28E+00	3.34E+00	2.14E-01	5.32E+00
1508	495211.06	3858551.99	2.481	1.65316	17.082	2.90083	4.06E-01	1.28E+00	3.31E+00	2.14E-01	5.21E+00	4.00E-01	5.55E-05	3.63E-02	6.24E-03	4.42E-01	4.85E-01	1.28E+00	3.31E+00	2.14E-01	5.29E+00
1509	495261.06	3858551.99	2.4818	1.65283	16.983	2.89825	4.06E-01	1.28E+00	3.29E+00	2.13E-01	5.19E+00	4.00E-01	5.55E-05	3.61E-02	6.24E-03	4.42E-01	4.86E-01	1.28E+00	3.29E+00	2.13E-01	5.27E+00
1510	495311.06	3858551.99	2.4867	1.65257	16.896	2.89485	4.07E-01	1.28E+00	3.28E+00	2.13E-01	5.18E+00	4.01E-01	5.55E-05	3.59E-02	6.23E-03	4.43E-01	4.87E-01	1.28E+00	3.28E+00	2.13E-01	5.26E+00
1511	495361.06	3858551.99	2.49027	1.65224	16.822	2.89138	4.07E-01	1.28E+00	3.26E+00	2.13E-01	5.16E+00	4.01E-01	5.55E-05	3.58E-02	6.22E-03	4.43E-01	4.87E-01	1.28E+00	3.26E+00	2.13E-01	5.24E+00
1512	495411.06	3858551.99	2.49549	1.65193	16.749	2.88731	4.08E-01	1.28E+00	3.25E+00	2.13E-01	5.15E+00	4.02E-01	5.55E-05	3.56E-02	6.22E-03	4.44E-01	4.88E-01	1.28E+00	3.25E+00	2.13E-01	5.23E+00
1513	495461.06	3858551.99	2.49824	1.65152	16.675	2.83911	4.09E-01	1.28E+00	3.23E+00	2.09E-01	5.13E+00	4.03E-01	5.55E-05	3.55E-02	6.11E-03	4.44E-01	4.89E-01	1.28E+00	3.23E+00	2.09E-01	5.21E+00
1514	495511.06	3858551.99	2.50296	1.65114	16.602	2.87884	4.09E-01	1.28E+00	3.22E+00	2.12E-01	5.12E+00	4.03E-01	5.55E-05	3.53E-02	6.20E-03	4.45E-01	4.90E-01	1.28E+00	3.22E+00	2.12E-01	5.20E+00
1515	495561.06	3858551.99	2.50454	1.65066	16.528	2.83063	4.10E-01	1.28E+00	3.20E+00	2.08E-01	5.10E+00	4.04E-01	5.54E-05	3.51E-02	6.09E-03	4.45E-01	4.90E-01	1.28E+00	3.20E+00	2.08E-01	5.18E+00
1516	495611.06	3858551.99	2.50409	1.65013	16.307	2.82643	4.10E-01	1.28E+00	3.16E+00	2.08E-01	5.06E+00	4.03E-01	5.54E-05	3.47E-02	6.08E-03	4.44E-01	4.90E-01	1.28E+00	3.16E+00	2.08E-01	5.14E+00
1517	495661.06	3858551.99	2.50216	1.64956	15.942	2.7929	4.09E-01	1.28E+00	3.09E+00	2.06E-01	4.99E+00	4.03E-01	5.54E-05	3.39E-02	6.01E-03	4.43E-01	4.90E-01	1.28E+00	3.09E+00	2.06E-01	5.07E+00
1518	494311.06	3858601.99	2.68542	1.71337	19.787	2.91545	4.39E-01	1.33E+00	3.84E+00	2.15E-01	5.82E+00	4.33E-01	5.76E-05	4.21E-02	6.28E-03	4.81E-01	5.25E-01	1.33E+00	3.84E+00	2.15E-01	5.91E+00
1519	494361.06	3858601.99	2.89273	1.71309	26.299	2.95554	4.73E-01	1.33E+00	5.10E+00	2.18E-01	7.12E+00	4.66E-01	5.75E-05	5.59E-02	6.36E-03	5.28E-01	5.66E-01	1.33E+00	5.10E+00	2.18E-01	7.21E+00
1520	494411.06	3858601.99	3.17843	1.71206	25.963	2.9925	5.20E-01	1.33E+00	5.03E+00	2.20E-01	7.10E+00	5.12E-01	5.75E-05	5.52E-02	6.44E-03	5.74E-01	6.22E-01	1.33E+00	5.03E+00	2.20E-01	7.20E+00
1521	494461.06	3858601.99	3.2147	1.71037	25.844	2.99473	5.26E-01	1.33E+00	5.01E+00	2.20E-01	7.08E+00	5.18E-01	5.75E-05	5.49E-02	6.45E-03	5.79E-01	6.29E-01	1.33E+00	5.01E+00	2.20E-01	7.19E+00

1522	494511.06	3858601.99	3.15399	1.70858	26.125	2.99294	5.16E-01	1.33E+00	5.07E+00	2.20E-01	7.13E+00	5.08E-01	5.74E-05	5.55E-02	6.44E-03	5.70E-01	6.17E-01	1.33E+00	5.07E+00	2.20E-01	7.23E+00
1523	494561.06	3858601.99	3.23914	1.70678	25.333	2.98914	5.30E-01	1.32E+00	4.91E+00	2.20E-01	6.99E+00	5.22E-01	5.73E-05	5.39E-02	6.43E-03	5.82E-01	6.34E-01	1.32E+00	4.91E+00	2.20E-01	7.09E+00
1524	494611.06	3858601.99	3.1827	1.70471	24.74	2.97459	5.21E-01	1.32E+00	4.80E+00	2.19E-01	6.86E+00	5.13E-01	5.73E-05	5.26E-02	6.40E-03	5.72E-01	6.23E-01	1.32E+00	4.80E+00	2.19E-01	6.96E+00
1525	494661.06	3858601.99	3.15794	1.70267	24.376	2.96487	5.17E-01	1.32E+00	4.73E+00	2.18E-01	6.78E+00	5.09E-01	5.72E-05	5.18E-02	6.38E-03	5.67E-01	6.18E-01	1.32E+00	4.73E+00	2.18E-01	6.88E+00
1526	494711.06	3858601.99	3.10855	1.70046	23.916	2.95116	5.08E-01	1.32E+00	4.64E+00	2.17E-01	6.68E+00	5.01E-01	5.71E-05	5.08E-02	6.35E-03	5.58E-01	6.08E-01	1.32E+00	4.64E+00	2.17E-01	6.78E+00
1527	494761.06	3858601.99	3.06111	1.69824	22.362	2.93746	5.01E-01	1.32E+00	4.34E+00	2.16E-01	6.37E+00	4.93E-01	5.70E-05	4.75E-02	6.32E-03	5.47E-01	5.99E-01	1.32E+00	4.34E+00	2.16E-01	6.47E+00
1528	494811.06	3858601.99	2.99012	1.69583	21.013	2.9152	4.89E-01	1.32E+00	4.07E+00	2.15E-01	6.09E+00	4.82E-01	5.70E-05	4.47E-02	6.28E-03	5.33E-01	5.85E-01	1.32E+00	4.07E+00	2.15E-01	6.19E+00
1529	494861.06	3858601.99	2.97575	1.69358	19.97	2.91093	4.87E-01	1.31E+00	3.87E+00	2.14E-01	5.89E+00	4.79E-01	5.69E-05	4.25E-02	6.27E-03	5.28E-01	5.82E-01	1.31E+00	3.87E+00	2.14E-01	5.98E+00
1530	494911.06	3858601.99	2.93202	1.69108	18.69	2.9114	4.80E-01	1.31E+00	3.62E+00	2.14E-01	5.63E+00	4.72E-01	5.68E-05	3.97E-02	6.27E-03	5.19E-01	5.74E-01	1.31E+00	3.62E+00	2.14E-01	5.72E+00
1531	494961.06	3858601.99	2.9222	1.6887	18.591	2.91094	4.78E-01	1.31E+00	3.60E+00	2.14E-01	5.61E+00	4.71E-01	5.67E-05	3.95E-02	6.27E-03	5.17E-01	5.72E-01	1.31E+00	3.60E+00	2.14E-01	5.70E+00
1532	495011.06	3858601.99	2.91633	1.68627	18.491	2.91039	4.77E-01	1.31E+00	3.59E+00	2.14E-01	5.58E+00	4.70E-01	5.66E-05	3.93E-02	6.27E-03	5.16E-01	5.71E-01	1.31E+00	3.59E+00	2.14E-01	5.68E+00
1533	495061.06	3858601.99	2.91441	1.68378	18.391	2.90974	4.77E-01	1.31E+00	3.57E+00	2.14E-01	5.56E+00	4.70E-01	5.66E-05	3.91E-02	6.26E-03	5.15E-01	5.70E-01	1.31E+00	3.57E+00	2.14E-01	5.66E+00
1534	495111.06	3858601.99	2.44525	1.6811	17.741	2.90987	4.00E-01	1.30E+00	3.44E+00	2.14E-01	5.36E+00	3.94E-01	5.65E-05	3.77E-02	6.26E-03	4.38E-01	4.78E-01	1.30E+00	3.44E+00	2.14E-01	5.44E+00
1535	495161.06	3858601.99	2.44607	1.67862	17.227	2.9079	4.00E-01	1.30E+00	3.34E+00	2.14E-01	5.26E+00	3.94E-01	5.64E-05	3.66E-02	6.26E-03	4.37E-01	4.79E-01	1.30E+00	3.34E+00	2.14E-01	5.34E+00
1536	495211.06	3858601.99	2.4511	1.6762	17.122	2.90468	4.01E-01	1.30E+00	3.32E+00	2.14E-01	5.24E+00	3.95E-01	5.63E-05	3.64E-02	6.25E-03	4.38E-01	4.80E-01	1.30E+00	3.32E+00	2.14E-01	5.31E+00
1537	495261.06	3858601.99	2.45359	1.67215	17.013	2.90211	4.01E-01	1.30E+00	3.30E+00	2.14E-01	5.21E+00	3.95E-01	5.62E-05	3.62E-02	6.25E-03	4.38E-01	4.80E-01	1.30E+00	3.30E+00	2.14E-01	5.29E+00
1538	495311.06	3858601.99	2.45855	1.67137	16.912	2.89611	4.02E-01	1.30E+00	3.28E+00	2.13E-01	5.19E+00	3.96E-01	5.61E-05	3.60E-02	6.23E-03	4.38E-01	4.81E-01	1.30E+00	3.28E+00	2.13E-01	5.27E+00
1539	495361.06	3858601.99	2.46593	1.67064	16.821	2.89224	4.03E-01	1.30E+00	3.26E+00	2.13E-01	5.17E+00	3.97E-01	5.61E-05	3.58E-02	6.23E-03	4.39E-01	4.83E-01	1.30E+00	3.26E+00	2.13E-01	5.25E+00
1540	495411.06	3858601.99	2.47292	1.66986	16.73	2.8887	4.04E-01	1.30E+00	3.24E+00	2.13E-01	5.16E+00	3.98E-01	5.61E-05	3.56E-02	6.22E-03	4.40E-01	4.84E-01	1.30E+00	3.24E+00	2.13E-01	5.24E+00
1541	495461.06	3858601.99	2.47968	1.6691	16.642	2.88485	4.06E-01	1.29E+00	3.23E+00	2.12E-01	5.14E+00	4.00E-01	5.61E-05	3.54E-02	6.21E-03	4.41E-01	4.85E-01	1.29E+00	3.23E+00	2.12E-01	5.22E+00
1542	495511.06	3858601.99	2.48131	1.6682	16.54	2.8813	4.06E-01	1.29E+00	3.21E+00	2.12E-01	5.12E+00	4.00E-01	5.60E-05	3.52E-02	6.20E-03	4.41E-01	4.86E-01	1.29E+00	3.21E+00	2.12E-01	5.20E+00
1543	495561.06	3858601.99	2.48936	1.66741	16.457	2.87687	4.07E-01	1.29E+00	3.19E+00	2.12E-01	5.10E+00	4.01E-01	5.60E-05	3.50E-02	6.19E-03	4.42E-01	4.87E-01	1.29E+00	3.19E+00	2.12E-01	5.18E+00
1544	495611.06	3858601.99	2.48825	1.66638	16.352	2.87001	4.07E-01	1.29E+00	3.17E+00	2.11E-01	5.08E+00	4.01E-01	5.60E-05	3.48E-02	6.18E-03	4.42E-01	4.87E-01	1.29E+00	3.17E+00	2.11E-01	5.16E+00
1545	495661.06	3858601.99	2.49307	1.66546	16.265	2.86542	4.08E-01	1.29E+00	3.15E+00	2.11E-01	5.06E+00	4.02E-01	5.59E-05	3.46E-02	6.17E-03	4.43E-01	4.88E-01	1.29E+00	3.15E+00	2.11E-01	5.14E+00
1546	494311.06	3858651.99	2.57813	1.74314	19.383	2.92444	4.22E-01	1.35E+00	3.76E+00	2.15E-01	5.75E+00	4.15E-01	5.86E-05	4.12E-02	6.30E-03	4.63E-01	5.04E-01	1.35E+00	3.76E+00	2.15E-01	5.83E+00
1547	494361.06	3858651.99	2.78543	1.7424	26.204	2.96022	4.56E-01	1.35E+00	5.08E+00	2.18E-01	7.11E+00	4.49E-01	5.85E-05	5.57E-02	6.37E-03	5.11E-01	5.45E-01	1.35E+00	5.08E+00	2.18E-01	7.20E+00
1548	494411.06	3858651.99	3.27979	1.888	33.593	3.04676	5.36E-01	1.46E+00	6.51E+00	2.24E-01	8.74E+00	5.28E-01	6.34E-05	7.14E-02	6.56E-03	6.07E-01	6.42E-01	1.46E+00	6.51E+00	2.24E-01	8.84E+00
1549	494461.06	3858651.99	3.38081	1.88587	29.437	3.03478	5.53E-01	1.46E+00	5.71E+00	2.23E-01	7.95E+00	5.45E-01	6.33E-05	6.26E-02	6.53E-03	6.14E-01	6.62E-01	1.46E+00	5.71E+00	2.23E-01	8.06E+00
1550	494511.06	3858651.99	3.37535	1.88357	28.746	3.02616	5.52E-01	1.46E+00	5.57E+00	2.23E-01	7.81E+00	5.44E-01	6.33E-05	6.11E-02	6.51E-03	6.12E-01	6.60E-01	1.46E+00	5.57E+00	2.23E-01	7.92E+00
1551	494561.06	3858651.99	3.4028	1.88128	28.421	3.02145	5.57E-01	1.46E+00	5.51E+00	2.22E-01	7.75E+00	5.48E-01	6.32E-05	6.04E-02	6.50E-03	6.15E-01	6.66E-01	1.46E+00	5.51E+00	2.22E-01	7.86E+00
1552	494611.06	3858651.99	3.40042	1.87881	27.768	3.0169	5.56E-01	1.46E+00	5.38E+00	2.22E-01	7.62E+00	5.48E-01	6.31E-05	5.90E-02	6.49E-03	6.14E-01	6.65E-01	1.46E+00	5.38E+00	2.22E-01	7.73E+00
1553	494661.06	3858651.99	3.34779	1.87613	26.613	3.0053	5.48E-01	1.46E+00	5.16E+00	2.21E-01	7.38E+00	5.39E-01	6.30E-05	5.66E-02	6.47E-03	6.03E-01	6.55E-01	1.46E+00	5.16E+00	2.21E-01	7.49E+00
1554	494711.06	3858651.99	3.24502	1.72699	25.183	2.98588	5.31E-01	1.34E+00	4.88E+00	2.20E-01	6.97E+00	5.23E-01	5.80E-05	5.35E-02	6.43E-03	5.83E-01	6.35E-01	1.34E+00	4.88E+00	2.20E-01	7.08E+00
1555	494761.06	3858651.99	3.18166	1.72435	24.426	2.97117	5.20E-01	1.34E+00	4.74E+00	2.19E-01	6.81E+00	5.13E-01	5.79E-05	5.19E-02	6.40E-03	5.71E-01	6.23E-01	1.34E+00	4.74E+00	2.19E-01	6.92E+00
1556	494811.06	3858651.99	3.07214	1.72151	23.581	2.94831	5.02E-01	1.34E+00	4.57E+00	2.17E-01	6.63E+00	4.95E-01	5.78E-05	5.01E-02	6.35E-03	5.52E-01	6.01E-01	1.34E+00	4.57E+00	2.17E-01	6.73E+00
1557	494861.06	3858651.99	3.00289	1.71865	22.022	2.93164	4.91E-01	1.33E+00	4.27E+00	2.16E-01	6.31E+00	4.84E-01	5.77E-05	4.68E-02	6.31E-03	5.37E-01	5.88E-01	1.33E+00	4.27E+00	2.16E-01	6.41E+00
1558	494911.06	3858651.99	2.93865	1.71569	20.992	2.91189	4.81E-01	1.33E+00	4.07E+00	2.14E-01	6.10E+00	4.74E-01	5.76E-05	4.46E-02	6.27E-03	5.24E-01	5.75E-01	1.33E+00	4.07E+00	2.14E-01	6.19E+00
1559	494961.06	3858651.99	2.90307	1.71276	19.268	2.90243	4.75E-01	1.33E+00	3.74E+00	2.14E-01	5.75E+00	4.68E-01	5.75E-05	4.10E-02	6.25E-03	5.15E-01	5.68E-01	1.33E+00	3.74E+00	2.14E-01	5.85E+00
1560	495011.06	3858651.99	2.88183	1.70991	18.28	2.90196	4.71E-01	1.33E+00	3.54E+00	2.14E-01	5.56E+00	4.64E-01	5.74E-05	3.89E-02	6.25E-03	5.10E-01	5.64E-01	1.33E+00	3.54E+00	2.14E-01	5.65E+00
1561	495061.06	3858651.99	2.8539	1.70696	18.191	2.90158	4.67E-01	1.32E+00	3.53E+00	2.14E-01	5.53E+00	4.60E-01	5.73E-05	3.87E-02	6.25E-03	5.05E-01	5.58E-01	1.32E+00	3.53E+00	2.14E-01	5.62E+00
1562	495111.06	3858651.99	2.83409	1.70391	18.101	2.90141	4.64E-01	1.32E+00	3.51E+00	2.14E-01	5.51E+00	4.57E-01	5.72E-05	3.85E-02	6.25E-03	5.01E-01	5.55E-01	1.32E+00	3.51E+00	2.14E-01	5.60E+00
1563	495161.06	3858651.99	2.83608	1.701	18.015	2.90015	4.64E-01	1.32E+00	3.49E+00	2.14E-01	5.49E+00	4.57E-01	5.71E-05	3.83E-02	6.24E-03	5.02E-01	5.55E-01	1.32E+00	3.49E+00	2.14E-01	5.58E+00
1564	495211.06	3858651.99	2.84497	1.69799	17.818	2.89901	4.65E-01	1.32E+00	3.46E+00	2.13E-01	5.45E+00	4.58E-01	5.70E-05	3.79E-02	6.24E-03	5.03E-01	5.57E-01	1.32E+00	3.46E+00	2.13E-01	5.54E+00
1565	495261.06	3858651.99	2.8642	1.6952	17.737	2.89631	4.68E-01	1.31E+00	3.44E+00	2.13E-01	5.44E+00	4.62E-01	5.69E-05	3.77E-02	6.24E-03	5.06E-01	5.60E-01	1.32E+00	3.44E+00	2.13E-01	5.53E+00
1566	495311.06	3858651.99	2.87835	1.69232	17.439	2.89384	4.71E-01	1.31E+00	3.38E+00	2.13E-01	5.38E+00	4.64E-01	5.68E-05	3.71E-02	6.23E-03	5.07E-01	5.63E-01	1.31E+00	3.38E+00	2.13E-01	5.47E+00
1567	495361.06	3858651.99	2.43383	1.68948	17.252	2.8908	3.98E-01	1.31E+00	3.35E+00	2.13E-01	5.27E+00	3.92E-01	5.68E-05	3.67E-02	6.22E-03	4.35E-01	4.76E-01	1.31E+00	3.35E+00	2.13E-01	5.35E+00
1568	495411.06	3858651.99	2.91495	1.68664	17.28	2.88736	4.77E-01	1.31E+00	3.35E+00	2.13E-01	5.35E+00	4.70E-01	5.67E-05	3.67E-02	6.22E-03	5.13E-01	5.70E-01	1.31E+00	3.35E+00	2.13E-01	5.44E+00
1569	495461.06	3858651.99	2.93439	1.68383	17.202	2.88351	4.80E-01	1.31E+00	3.34E+00	2.12E-01	5.33E+00	4.73E-01	5.66E-05	3.66E-02	6.21E-03	5.16E-01	5.74E-01	1.31E+00	3.34E+00	2.12E-01	5.43E+00
1570	495511.06	3858651.99	2.45985	1.68078	16.908	2.88036	4.02E-01	1.30E+00	3.28E+00	2.12E-01	5.20E+00	3.96E-01	5.65E-05	3.59E-02	6.20E-03	4.39E-01	4.81E-01	1.30E+00	3.28E+00	2.12E-01	5.28E+00
1571	495561.06	3858651.99	2.46487	1.67777	16.514	2.87666	4.03E-01	1.30E+00	3.20E+00	2.12E-01	5.12E+00	3.97E-01	5.64E-05	3.51E-02	6.19E-03	4.39E-01	4.82E-01	1.30E+00	3.20E+00	2.12E-01	5.20E+00
1572	495611.06	3858651.99	2.4649	1.6755	16.344	2.87279	4.03E-01	1.30E+00	3.17E+00	2.12E-01	5.08E+00	3.97E-01	5.63E-05	3.47E-02	6.18E-03	4.38E-01	4.82E-01	1.30E+00	3.17E+00	2.12E-01	5.16E+00
1573	495661.06	3858651.99	2.47172	1.67418	16.266	2.8685	4.04E-01	1.30E+00	3.15E+00	2.11E-01	5.07E+00	3.98E-01	5.62E-05	3.46E-02	6.18E-03	4.39E-01	4.84E-01	1.30E+00	3.15E+00	2.11E-01	5.15E+00
1574	494311.06	3858701.99	2.53137	1.76441	23.274	2.93697	4.14E-01	1.37E+00	4.51E+00	2.16E-01	6.51E+00	4.08E-01	5.93E-05	4.95E-02	6.32E-03	4.64E-01	4.95E-01	1.37E+00	4.51E+00	2.16E-01	6.59E+00
1575	494361.06	3858701.99	3.11235	1.90884	31.687	3.02119	5.09E-01	1.48E+00	6.14E+00	2.22E-01	8.36E+00	5.01E-01	6.41E-05	6.74E-02	6.50E-03	5.75E-01	6.09E-01	1.48E+00	6.14E+00	2.22E-01	8.46E+00
1576	494411.06	3858701.99	3.56801	1.90726	39.078	3.08182	5.84E-01	1.48E+00	7.58E+00	2.27E-01	9.87E+00	5.75E-01	6.41E-05	8.31E-02	6.63E-03	6.65E-01	6.98E-01	1.48E+00	7.58E+00	2.27E-01	9.98E+00
1577	494461.06	3858701.99	3.6235	1.90445	39.651	3.09341	5.93E-01	1.48E+00	7.69E+00	2.28E-01	9.99E+00	5.84E-01	6.40E-05	8.43E-02	6.66E-03	6.75E-01	7.09E-01	1.48E+00	7.69E+00	2.28E-01	1.01E+01
1578	494511.06	3858701.99	3.66233	1.9013	32.929	3.06456	5.99E-01	1.47E+00	6.39E+00	2.26E-01	8.68E+00	5.90E-01	6.39E-05	7.00E-02	6.60E-03	6.67E-01	7.17E-01	1.47E+00	6.39E+00	2.26E-01	8.80E+00
1579	494561.06	3858701.99	3.63945	1.89815	32.3	3.05832	5.95E-01	1.47E+00	6.26E+00	2.25E-01	8.56E+00	5.86E-01	6.38E-05	6.87E-02	6.58E-03	6.62E-01	7.12E-01	1.47E+00	6.26E+00	2.25E-01	8.67E+00
1580	494611.06	3858701.99	3.44952	1.8945	29.875	3.03262	5.64E-01	1.47E+00	5.79E+00	2.23E-01	8.05E+00	5.56E-01	6.36E-05	6.35E-02	6.53E-03	6.26E-01	6.75E-01	1.47E+00	5.79E+00	2.23E-01	8.16E+00
1581	494661.06	3858701.99	3.50062	1.89137	30.024	3.03274	5.73E-01	1.47E+00	5.82E+00	2.23E-01	8.08E+00	5.64E-01	6.35E-05	6.38E-02	6.53E-03	6.34E-01	6.85E-01	1.47E+00	5.82E+00	2.23E-01	8.20E+00
1582	494711.06	3858701.99	3.1135	1.74418	25.316	2.96989	5.09E-01	1.35E+00	4.91E+00	2.19E-01	6.99E+00	5.02E-01	5.86E-05	5.38E-02	6.39E-03	5.62E-01	6.09E-01	1.35E+00	4.91E+00	2.19E-01	7.09E+00

1583	494761.06	3858701.99	3.26912	1.88395	26.373	2.98743	5.35E-01	1.46E+00	5.11E+00	2.20E-01	7.33E+00	5.27E-01	6.33E-05	5.61E-02	6.43E-03	5.89E-01	6.40E-01	1.46E+00	5.11E+00	2.20E-01	7.44E+00
1584	494811.06	3858701.99	5.08966	1.73829	24.681	2.96447	8.32E-01	1.35E+00	4.79E+00	2.18E-01	7.18E+00	8.20E-01	5.84E-05	5.25E-02	6.38E-03	8.79E-01	9.96E-01	1.35E+00	4.79E+00	2.18E-01	7.35E+00
1585	494861.06	3858701.99	3.05576	1.73505	23.7	2.94642	5.00E-01	1.35E+00	4.60E+00	2.17E-01	6.66E+00	4.92E-01	5.83E-05	5.04E-02	6.34E-03	5.49E-01	5.98E-01	1.35E+00	4.60E+00	2.17E-01	6.76E+00
1586	494911.06	3858701.99	2.99954	1.73182	23.13	2.93352	4.91E-01	1.34E+00	4.49E+00	2.16E-01	6.54E+00	4.83E-01	5.82E-05	4.92E-02	6.32E-03	5.39E-01	5.87E-01	1.34E+00	4.49E+00	2.16E-01	6.63E+00
1587	494961.06	3858701.99	2.87682	1.72827	21.395	2.90725	4.71E-01	1.34E+00	4.15E+00	2.14E-01	6.17E+00	4.64E-01	5.81E-05	4.55E-02	6.26E-03	5.15E-01	5.63E-01	1.34E+00	4.15E+00	2.14E-01	6.27E+00
1588	495011.06	3858701.99	2.84625	1.7249	20.116	2.89088	4.66E-01	1.34E+00	3.90E+00	2.13E-01	5.92E+00	4.59E-01	5.79E-05	4.28E-02	6.22E-03	5.08E-01	5.57E-01	1.34E+00	3.90E+00	2.13E-01	6.01E+00
1589	495061.06	3858701.99	2.84892	1.72172	19.269	2.88913	4.66E-01	1.34E+00	3.74E+00	2.13E-01	5.75E+00	4.59E-01	5.78E-05	4.10E-02	6.22E-03	5.06E-01	5.57E-01	1.34E+00	3.74E+00	2.13E-01	5.84E+00
1590	495111.06	3858701.99	2.80803	1.71822	17.814	2.88928	4.59E-01	1.33E+00	3.45E+00	2.13E-01	5.46E+00	4.52E-01	5.77E-05	3.79E-02	6.22E-03	4.97E-01	5.49E-01	1.33E+00	3.45E+00	2.13E-01	5.55E+00
1591	495161.06	3858701.99	2.80095	1.71492	17.74	2.888	4.58E-01	1.33E+00	3.44E+00	2.13E-01	5.44E+00	4.51E-01	5.76E-05	3.77E-02	6.22E-03	4.95E-01	5.48E-01	1.33E+00	3.44E+00	2.13E-01	5.53E+00
1592	495211.06	3858701.99	2.78052	1.71153	17.664	2.88704	4.55E-01	1.33E+00	3.43E+00	2.13E-01	5.42E+00	4.48E-01	5.75E-05	3.76E-02	6.22E-03	4.92E-01	5.44E-01	1.33E+00	3.43E+00	2.13E-01	5.51E+00
1593	495261.06	3858701.99	2.7929	1.70835	17.595	2.88454	4.57E-01	1.33E+00	3.41E+00	2.12E-01	5.41E+00	4.50E-01	5.74E-05	3.74E-02	6.21E-03	4.94E-01	5.47E-01	1.33E+00	3.41E+00	2.12E-01	5.50E+00
1594	495311.06	3858701.99	2.81226	1.70515	17.525	2.88184	4.60E-01	1.32E+00	3.40E+00	2.12E-01	5.39E+00	4.53E-01	5.73E-05	3.73E-02	6.20E-03	4.97E-01	5.50E-01	1.32E+00	3.40E+00	2.12E-01	5.48E+00
1595	495361.06	3858701.99	2.82605	1.70187	17.453	2.87928	4.62E-01	1.32E+00	3.38E+00	2.12E-01	5.38E+00	4.55E-01	5.72E-05	3.71E-02	6.20E-03	4.99E-01	5.53E-01	1.32E+00	3.38E+00	2.12E-01	5.47E+00
1596	495411.06	3858701.99	2.84772	1.69868	17.384	2.87597	4.66E-01	1.32E+00	3.37E+00	2.12E-01	5.37E+00	4.59E-01	5.71E-05	3.70E-02	6.19E-03	5.02E-01	5.57E-01	1.32E+00	3.37E+00	2.12E-01	5.46E+00
1597	495461.06	3858701.99	2.86203	1.6954	17.312	2.87286	4.68E-01	1.32E+00	3.36E+00	2.12E-01	5.35E+00	4.61E-01	5.70E-05	3.68E-02	6.18E-03	5.04E-01	5.60E-01	1.32E+00	3.36E+00	2.12E-01	5.44E+00
1598	495511.06	3858701.99	2.87099	1.69204	17.239	2.86989	4.70E-01	1.31E+00	3.34E+00	2.11E-01	5.34E+00	4.63E-01	5.68E-05	3.67E-02	6.18E-03	5.05E-01	5.62E-01	1.31E+00	3.34E+00	2.11E-01	5.43E+00
1599	495561.06	3858701.99	2.88349	1.68863	17.165	2.86696	4.72E-01	1.31E+00	3.33E+00	2.11E-01	5.32E+00	4.65E-01	5.67E-05	3.65E-02	6.17E-03	5.07E-01	5.64E-01	1.31E+00	3.33E+00	2.11E-01	5.41E+00
1600	495611.06	3858701.99	2.89567	1.68519	17.09	2.86388	4.74E-01	1.31E+00	3.31E+00	2.11E-01	5.31E+00	4.67E-01	5.66E-05	3.63E-02	6.17E-03	5.09E-01	5.67E-01	1.31E+00	3.31E+00	2.11E-01	5.40E+00
1601	495661.06	3858701.99	2.91026	1.68181	17.017	2.8602	4.76E-01	1.30E+00	3.30E+00	2.11E-01	5.29E+00	4.69E-01	5.65E-05	3.62E-02	6.16E-03	5.11E-01	5.69E-01	1.30E+00	3.30E+00	2.11E-01	5.38E+00
1602	494311.06	3858751.99	2.74867	1.77591	26.109	2.94374	4.50E-01	1.38E+00	5.06E+00	2.17E-01	7.11E+00	4.43E-01	5.97E-05	5.55E-02	6.34E-03	5.05E-01	5.38E-01	1.38E+00	5.06E+00	2.17E-01	7.20E+00
1603	494361.06	3858751.99	3.69178	1.91498	38.527	3.09498	6.04E-01	1.49E+00	7.47E+00	2.28E-01	9.79E+00	5.95E-01	6.43E-05	8.19E-02	6.66E-03	6.84E-01	7.22E-01	1.49E+00	7.47E+00	2.28E-01	9.91E+00
1604	494411.06	3858751.99	4.08544	1.91244	44.845	3.21891	6.68E-01	1.48E+00	8.70E+00	2.37E-01	1.11E+01	6.58E-01	6.42E-05	9.53E-02	6.93E-03	7.61E-01	7.99E-01	1.48E+00	8.70E+00	2.37E-01	1.12E+01
1605	494461.06	3858751.99	4.10004	1.90892	45.42	3.23333	6.71E-01	1.48E+00	8.81E+00	2.38E-01	1.12E+01	6.61E-01	6.41E-05	9.66E-02	6.96E-03	7.64E-01	8.02E-01	1.48E+00	8.81E+00	2.38E-01	1.13E+01
1606	494511.06	3858751.99	4.12583	1.90516	37.482	3.14452	6.75E-01	1.48E+00	7.27E+00	2.32E-01	9.65E+00	6.65E-01	6.40E-05	7.97E-02	6.77E-03	7.51E-01	8.07E-01	1.48E+00	7.27E+00	2.32E-01	9.78E+00
1607	494561.06	3858751.99	3.98555	1.90135	38.113	3.13433	6.52E-01	1.47E+00	7.39E+00	2.31E-01	9.75E+00	6.42E-01	6.39E-05	8.10E-02	6.75E-03	7.30E-01	7.80E-01	1.47E+00	7.39E+00	2.31E-01	9.88E+00
1608	494611.06	3858751.99	3.79596	1.89701	35.353	3.10116	6.21E-01	1.47E+00	6.86E+00	2.28E-01	9.18E+00	6.12E-01	6.37E-05	7.52E-02	6.68E-03	6.94E-01	7.43E-01	1.47E+00	6.86E+00	2.28E-01	9.30E+00
1609	494661.06	3858751.99	3.76701	1.89304	36.537	3.09543	6.16E-01	1.47E+00	7.08E+00	2.28E-01	9.40E+00	6.07E-01	6.36E-05	7.77E-02	6.66E-03	6.91E-01	7.37E-01	1.47E+00	7.08E+00	2.28E-01	9.52E+00
1610	494711.06	3858751.99	3.52147	1.88843	32.722	3.05444	5.76E-01	1.46E+00	6.34E+00	2.25E-01	8.61E+00	5.67E-01	6.34E-05	6.96E-02	6.58E-03	6.44E-01	6.89E-01	1.46E+00	6.34E+00	2.25E-01	8.72E+00
1611	494761.06	3858751.99	3.47954	1.88409	29.597	3.02664	5.69E-01	1.46E+00	5.74E+00	2.23E-01	7.99E+00	5.61E-01	6.33E-05	6.29E-02	6.52E-03	6.30E-01	6.81E-01	1.46E+00	5.74E+00	2.23E-01	8.10E+00
1612	494811.06	3858751.99	3.27409	1.87947	27.495	2.98619	5.36E-01	1.46E+00	5.33E+00	2.20E-01	7.54E+00	5.28E-01	6.31E-05	5.85E-02	6.43E-03	5.93E-01	6.41E-01	1.46E+00	5.33E+00	2.20E-01	7.65E+00
1613	494861.06	3858751.99	3.13227	1.74202	25.776	2.95494	5.12E-01	1.35E+00	5.00E+00	2.18E-01	7.08E+00	5.05E-01	5.85E-05	5.48E-02	6.36E-03	5.66E-01	6.13E-01	1.35E+00	5.00E+00	2.18E-01	7.18E+00
1614	494911.06	3858751.99	2.99828	1.73824	24.211	2.93064	4.90E-01	1.35E+00	4.69E+00	2.16E-01	6.75E+00	4.83E-01	5.84E-05	5.15E-02	6.31E-03	5.41E-01	5.87E-01	1.35E+00	4.69E+00	2.16E-01	6.85E+00
1615	494961.06	3858751.99	2.92296	1.7346	23.249	2.91795	4.78E-01	1.35E+00	4.51E+00	2.15E-01	6.55E+00	4.71E-01	5.83E-05	4.94E-02	6.28E-03	5.27E-01	5.72E-01	1.35E+00	4.51E+00	2.15E-01	6.64E+00
1616	495011.06	3858751.99	2.90502	1.73104	22.702	2.91755	4.75E-01	1.34E+00	4.40E+00	2.15E-01	6.43E+00	4.68E-01	5.81E-05	4.83E-02	6.28E-03	5.23E-01	5.68E-01	1.34E+00	4.40E+00	2.15E-01	6.53E+00
1617	495061.06	3858751.99	2.85052	1.72732	21.808	2.91131	4.66E-01	1.34E+00	4.23E+00	2.14E-01	6.25E+00	4.59E-01	5.80E-05	4.64E-02	6.27E-03	5.12E-01	5.58E-01	1.34E+00	4.23E+00	2.14E-01	6.34E+00
1618	495111.06	3858751.99	2.80161	1.72351	20.84	2.90151	4.58E-01	1.34E+00	4.04E+00	2.14E-01	6.05E+00	4.51E-01	5.79E-05	4.43E-02	6.25E-03	5.02E-01	5.48E-01	1.34E+00	4.04E+00	2.14E-01	6.14E+00
1619	495161.06	3858751.99	2.79484	1.71988	19.667	2.90108	4.57E-01	1.33E+00	3.81E+00	2.14E-01	5.82E+00	4.50E-01	5.78E-05	4.18E-02	6.25E-03	4.98E-01	5.47E-01	1.33E+00	3.81E+00	2.14E-01	5.91E+00
1620	495211.06	3858751.99	2.77658	1.71617	17.785	2.90266	4.54E-01	1.33E+00	3.45E+00	2.14E-01	5.45E+00	4.47E-01	5.76E-05	3.78E-02	6.25E-03	4.92E-01	5.43E-01	1.33E+00	3.45E+00	2.14E-01	5.54E+00
1621	495261.06	3858751.99	2.79061	1.71264	17.7	2.90614	4.56E-01	1.33E+00	3.43E+00	2.14E-01	5.43E+00	4.50E-01	5.75E-05	3.76E-02	6.26E-03	4.94E-01	5.46E-01	1.33E+00	3.43E+00	2.14E-01	5.52E+00
1622	495311.06	3858751.99	2.80707	1.70911	17.639	2.90909	4.59E-01	1.33E+00	3.42E+00	2.14E-01	5.42E+00	4.52E-01	5.74E-05	3.75E-02	6.26E-03	4.96E-01	5.49E-01	1.33E+00	3.42E+00	2.14E-01	5.51E+00
1623	495361.06	3858751.99	2.81457	1.7055	17.523	2.90854	4.60E-01	1.32E+00	3.40E+00	2.14E-01	5.40E+00	4.54E-01	5.73E-05	3.73E-02	6.26E-03	4.97E-01	5.51E-01	1.32E+00	3.40E+00	2.14E-01	5.49E+00
1624	495411.06	3858751.99	2.8377	1.70199	17.529	2.91402	4.64E-01	1.32E+00	3.40E+00	2.15E-01	5.40E+00	4.57E-01	5.72E-05	3.73E-02	6.27E-03	5.01E-01	5.55E-01	1.32E+00	3.40E+00	2.15E-01	5.49E+00
1625	495461.06	3858751.99	2.84463	1.69839	17.433	2.9128	4.65E-01	1.32E+00	3.38E+00	2.14E-01	5.38E+00	4.58E-01	5.71E-05	3.71E-02	6.27E-03	5.02E-01	5.57E-01	1.32E+00	3.38E+00	2.14E-01	5.47E+00
1626	495511.06	3858751.99	2.84199	1.69471	17.28	2.90008	4.65E-01	1.31E+00	3.35E+00	2.14E-01	5.34E+00	4.58E-01	5.69E-05	3.67E-02	6.24E-03	5.01E-01	5.56E-01	1.31E+00	3.35E+00	2.14E-01	5.44E+00
1627	495561.06	3858751.99	2.8396	1.69099	17.105	2.89614	4.64E-01	1.31E+00	3.32E+00	2.13E-01	5.31E+00	4.58E-01	5.68E-05	3.64E-02	6.23E-03	5.00E-01	5.56E-01	1.31E+00	3.32E+00	2.13E-01	5.40E+00
1628	495611.06	3858751.99	2.84063	1.68724	16.974	2.8873	4.65E-01	1.31E+00	3.29E+00	2.13E-01	5.28E+00	4.58E-01	5.67E-05	3.61E-02	6.22E-03	5.00E-01	5.56E-01	1.31E+00	3.29E+00	2.13E-01	5.37E+00
1629	495661.06	3858751.99	2.84761	1.68351	16.889	2.85499	4.66E-01	1.31E+00	3.27E+00	2.10E-01	5.26E+00	4.59E-01	5.66E-05	3.59E-02	6.15E-03	5.01E-01	5.57E-01	1.31E+00	3.27E+00	2.10E-01	5.35E+00
1630	494311.06	3858801.99	3.38524	1.90832	31.274	3.08423	5.54E-01	1.48E+00	6.06E+00	2.27E-01	8.33E+00	5.45E-01	6.41E-05	6.65E-02	6.64E-03	6.19E-01	6.62E-01	1.48E+00	6.06E+00	2.27E-01	8.43E+00
1631	494361.06	3858801.99	4.26962	1.90629	43.872	3.32097	6.98E-01	1.48E+00	8.51E+00	2.45E-01	1.09E+01	6.88E-01	6.40E-05	9.33E-02	7.15E-03	7.88E-01	8.35E-01	1.48E+00	8.51E+00	2.45E-01	1.11E+01
1632	494411.06	3858801.99	4.50107	1.90266	47.615	3.59212	7.36E-01	1.48E+00	9.23E+00	2.64E-01	1.17E+01	7.25E-01	6.39E-05	1.01E-01	7.73E-03	8.34E-01	8.81E-01	1.48E+00	9.23E+00	2.64E-01	1.19E+01
1633	494461.06	3858801.99	4.61343	1.89876	47.032	3.54825	7.55E-01	1.47E+00	9.12E+00	2.61E-01	1.16E+01	7.43E-01	6.38E-05	1.00E-01	7.64E-03	8.51E-01	9.03E-01	1.47E+00	9.12E+00	2.61E-01	1.18E+01
1634	494511.06	3858801.99	4.65888	1.89448	40.594	3.31289	7.62E-01	1.47E+00	7.87E+00	2.44E-01	1.03E+01	7.51E-01	6.36E-05	8.63E-02	7.13E-03	8.44E-01	9.12E-01	1.47E+00	7.87E+00	2.44E-01	1.05E+01
1635	494561.06	3858801.99	4.59776	1.89013	40.377	3.28559	7.52E-01	1.47E+00	7.83E+00	2.42E-01	1.03E+01	7.41E-01	6.35E-05	8.58E-02	7.07E-03	8.34E-01	9.00E-01	1.47E+00	7.83E+00	2.42E-01	1.04E+01
1636	494611.06	3858801.99	4.47646	1.88552	39.449	3.26779	7.32E-01	1.46E+00	7.65E+00	2.41E-01	1.01E+01	7.21E-01	6.33E-05	8.39E-02	7.03E-03	8.12E-01	8.76E-01	1.46E+00	7.65E+00	2.41E-01	1.02E+01
1637	494661.06	3858801.99	4.25917	1.8806	37.493	3.18912	6.97E-01	1.46E+00	7.27E+00	2.35E-01	9.66E+00	6.86E-01	6.32E-05	7.97E-02	6.87E-03	7.73E-01	8.33E-01	1.46E+00	7.27E+00	2.35E-01	9.80E+00
1638	494711.06	3858801.99	4.01525	1.87554	35.174	3.14675	6.57E-01	1.45E+00	6.82E+00	2.32E-01	9.16E+00	6.47E-01	6.30E-05	7.48E-02	6.77E-03	7.29E-01	7.86E-01	1.45E+00	6.82E+00	2.32E-01	9.29E+00
1639	494761.06	3858801.99	3.73046	1.87037	32.668	3.10423	6.10E-01	1.45E+00	6.33E+00	2.29E-01	8.62E+00	6.01E-01	6.28E-05	6.95E-02	6.68E-03	6.77E-01	7.30E-01	1.45E+00	6.33E+00	2.29E-01	8.74E+00
1640	494811.06	3858801.99	3.46463	1.86509	30.119	3.0557	5.67E-01	1.45E+00	5.84E+00	2.25E-01	8.08E+00	5.58E-01	6.27E-05	6.40E-02	6.58E-03	6.29E-01	6.78E-01	1.45E+00	5.84E+00	2.25E-01	8.19E+00
1641	494861.06	3858801.99	3.36212	1.86014	28.913	3.03368	5.50E-01	1.44E+00	5.61E+00	2.23E-01	7.82E+00	5.42E-01	6.25E-05	6.15E-02	6.53E-03	6.10E-01	6.58E-01	1.44E+00	5.61E+00	2.23E-01	7.93E+00
1642	494911.06	3858801.99	3.17748	1.85493	27.026	2.99804	5.20E-01	1.44E+00	5.24E+00	2.21E-01	7.42E+00	5.12E-01	6.23E-05	5.75E-02	6.45E-03	5.76E-01	6.22E-01	1.44E+00	5.24E+00	2.21E-01	7.52E+00
1643	494961.06	3858801.99	3.06345	1.73127	25.761	2.97357	5.01E-01	1.34E+00	5.00E+00	2.19E-01	7.06E+00	4.94E-01	5.82E-05	5.48E-02	6.40E-03	5.55E-01	5.99E-01	1.34E+00	5.00E+00	2.19E-01	7.16E+00

1644	495011.06	3858801.99	2.94803	1.72732	24.582	2.9518	4.82E-01	1.34E+00	4.77E+00	2.17E-01	6.81E+00	4.75E-01	5.80E-05	5.23E-02	6.35E-03	5.34E-01	5.77E-01	1.34E+00	4.77E+00	2.17E-01	6.90E+00
1645	495061.06	3858801.99	2.9167	1.72347	23.963	2.942	4.77E-01	1.34E+00	4.65E+00	2.17E-01	6.68E+00	4.70E-01	5.79E-05	5.10E-02	6.33E-03	5.27E-01	5.71E-01	1.34E+00	4.65E+00	2.17E-01	6.77E+00
1646	495111.06	3858801.99	2.81039	1.71933	22.757	2.91682	4.60E-01	1.33E+00	4.41E+00	2.15E-01	6.42E+00	4.53E-01	5.78E-05	4.84E-02	6.28E-03	5.08E-01	5.50E-01	1.33E+00	4.41E+00	2.15E-01	6.51E+00
1647	495161.06	3858801.99	2.76101	1.71529	22.017	2.91136	4.52E-01	1.33E+00	4.27E+00	2.14E-01	6.27E+00	4.45E-01	5.76E-05	4.68E-02	6.27E-03	4.98E-01	5.40E-01	1.33E+00	4.27E+00	2.14E-01	6.35E+00
1648	495211.06	3858801.99	2.76059	1.71143	21.662	2.91186	4.52E-01	1.33E+00	4.20E+00	2.14E-01	6.19E+00	4.45E-01	5.75E-05	4.61E-02	6.27E-03	4.97E-01	5.40E-01	1.33E+00	4.20E+00	2.14E-01	6.28E+00
1649	495261.06	3858801.99	2.78163	1.70766	21.495	2.91595	4.55E-01	1.32E+00	4.17E+00	2.15E-01	6.16E+00	4.48E-01	5.74E-05	4.57E-02	6.28E-03	5.00E-01	5.44E-01	1.32E+00	4.17E+00	2.15E-01	6.25E+00
1650	495311.06	3858801.99	2.81322	1.70392	21.384	2.9209	4.60E-01	1.32E+00	4.15E+00	2.15E-01	6.14E+00	4.53E-01	5.72E-05	4.55E-02	6.29E-03	5.05E-01	5.50E-01	1.32E+00	4.15E+00	2.15E-01	6.23E+00
1651	495361.06	3858801.99	2.82753	1.7001	21.169	2.92287	4.62E-01	1.32E+00	4.10E+00	2.15E-01	6.10E+00	4.56E-01	5.71E-05	4.50E-02	6.29E-03	5.07E-01	5.53E-01	1.32E+00	4.10E+00	2.15E-01	6.19E+00
1652	495411.06	3858801.99	2.88537	1.69643	21.233	2.93097	4.72E-01	1.32E+00	4.12E+00	2.16E-01	6.12E+00	4.65E-01	5.70E-05	4.51E-02	6.31E-03	5.16E-01	5.65E-01	1.32E+00	4.12E+00	2.16E-01	6.21E+00
1653	495461.06	3858801.99	2.89182	1.69254	20.978	2.93122	4.73E-01	1.31E+00	4.07E+00	2.16E-01	6.07E+00	4.66E-01	5.69E-05	4.46E-02	6.31E-03	5.17E-01	5.66E-01	1.31E+00	4.07E+00	2.16E-01	6.16E+00
1654	495511.06	3858801.99	2.88045	1.6886	20.629	2.9284	4.71E-01	1.31E+00	4.00E+00	2.16E-01	6.00E+00	4.64E-01	5.67E-05	4.39E-02	6.30E-03	5.14E-01	5.64E-01	1.31E+00	4.00E+00	2.16E-01	6.09E+00
1655	495561.06	3858801.99	2.87807	1.68467	20.386	2.92651	4.71E-01	1.31E+00	3.95E+00	2.15E-01	5.95E+00	4.64E-01	5.66E-05	4.33E-02	6.30E-03	5.13E-01	5.63E-01	1.31E+00	3.95E+00	2.15E-01	6.04E+00
1656	495611.06	3858801.99	2.85129	1.68065	19.194	2.92178	4.66E-01	1.30E+00	3.72E+00	2.15E-01	5.71E+00	4.59E-01	5.65E-05	4.08E-02	6.29E-03	5.07E-01	5.58E-01	1.30E+00	3.72E+00	2.15E-01	5.80E+00
1657	495661.06	3858801.99	2.86138	1.67674	18.743	2.92314	4.68E-01	1.30E+00	3.63E+00	2.15E-01	5.62E+00	4.61E-01	5.63E-05	3.99E-02	6.29E-03	5.07E-01	5.60E-01	1.30E+00	3.63E+00	2.15E-01	5.71E+00
1658	494311.06	3858851.99	4.6199	1.88693	43.08	3.63511	7.56E-01	1.46E+00	8.35E+00	2.68E-01	1.08E+01	7.44E-01	6.34E-05	9.16E-02	7.83E-03	8.44E-01	9.04E-01	1.46E+00	8.35E+00	2.68E-01	1.10E+01
1659	494361.06	3858851.99	5.16536	1.88361	51.17	4.30988	8.45E-01	1.46E+00	9.92E+00	3.17E-01	1.25E+01	8.32E-01	6.33E-05	1.09E-01	9.28E-03	9.50E-01	1.01E+00	1.46E+00	9.92E+00	3.17E-01	1.27E+01
1660	494411.06	3858851.99	5.14198	1.87896	51.281	4.28257	8.41E-01	1.46E+00	9.94E+00	3.15E-01	1.26E+01	8.29E-01	6.31E-05	1.09E-01	9.22E-03	9.47E-01	1.01E+00	1.46E+00	9.94E+00	3.15E-01	1.27E+01
1661	494461.06	3858851.99	5.19597	1.87443	49.943	4.10293	8.50E-01	1.45E+00	9.68E+00	3.02E-01	1.23E+01	8.37E-01	6.30E-05	1.06E-01	8.83E-03	9.52E-01	1.02E+00	1.45E+00	9.68E+00	3.02E-01	1.25E+01
1662	494511.06	3858851.99	5.18294	1.86955	42.902	3.60266	8.48E-01	1.45E+00	8.32E+00	2.65E-01	1.09E+01	8.35E-01	6.28E-05	9.12E-02	7.76E-03	9.34E-01	1.01E+00	1.45E+00	8.32E+00	2.65E-01	1.10E+01
1663	494561.06	3858851.99	5.1008	1.86471	42.453	3.54422	8.34E-01	1.45E+00	8.23E+00	2.61E-01	1.08E+01	8.22E-01	6.26E-05	9.03E-02	7.63E-03	9.20E-01	9.98E-01	1.45E+00	8.23E+00	2.61E-01	1.09E+01
1664	494611.06	3858851.99	4.93064	1.85957	41.334	3.46356	8.06E-01	1.44E+00	8.02E+00	2.55E-01	1.05E+01	7.94E-01	6.25E-05	8.79E-02	7.46E-03	8.90E-01	9.65E-01	1.44E+00	8.02E+00	2.55E-01	1.07E+01
1665	494661.06	3858851.99	4.70912	1.85428	39.77	3.39415	7.70E-01	1.44E+00	7.71E+00	2.50E-01	1.02E+01	7.59E-01	6.23E-05	8.46E-02	7.31E-03	8.51E-01	9.21E-01	1.44E+00	7.71E+00	2.50E-01	1.03E+01
1666	494711.06	3858851.99	4.38397	1.84869	37.246	3.22351	7.17E-01	1.43E+00	7.22E+00	2.37E-01	9.61E+00	7.06E-01	6.21E-05	7.92E-02	6.94E-03	7.93E-01	8.58E-01	1.43E+00	7.22E+00	2.37E-01	9.75E+00
1667	494761.06	3858851.99	4.08687	1.84314	34.754	3.18374	6.68E-01	1.43E+00	6.74E+00	2.34E-01	9.07E+00	6.59E-01	6.19E-05	7.39E-02	6.85E-03	7.39E-01	8.00E-01	1.43E+00	6.74E+00	2.34E-01	9.20E+00
1668	494811.06	3858851.99	3.84791	1.83766	32.778	3.15423	6.29E-01	1.43E+00	6.36E+00	2.32E-01	8.64E+00	6.20E-01	6.17E-05	6.97E-02	6.79E-03	6.97E-01	7.53E-01	1.43E+00	6.36E+00	2.32E-01	8.77E+00
1669	494861.06	3858851.99	3.70841	1.83238	31.679	3.1356	6.07E-01	1.42E+00	6.14E+00	2.31E-01	8.40E+00	5.98E-01	6.16E-05	6.74E-02	6.75E-03	6.72E-01	7.26E-01	1.42E+00	6.14E+00	2.31E-01	8.52E+00
1670	494911.06	3858851.99	3.50397	1.82688	29.989	3.10457	5.73E-01	1.42E+00	5.81E+00	2.29E-01	8.03E+00	5.65E-01	6.14E-05	6.38E-02	6.68E-03	6.35E-01	6.86E-01	1.42E+00	5.81E+00	2.29E-01	8.15E+00
1671	494961.06	3858851.99	3.3388	1.82143	28.582	3.07683	5.46E-01	1.41E+00	5.54E+00	2.27E-01	7.73E+00	5.38E-01	6.12E-05	6.08E-02	6.62E-03	6.05E-01	6.53E-01	1.41E+00	5.54E+00	2.27E-01	7.84E+00
1672	495011.06	3858851.99	3.23994	1.81608	27.517	3.05446	5.30E-01	1.41E+00	5.34E+00	2.25E-01	7.50E+00	5.22E-01	6.10E-05	5.85E-02	6.58E-03	5.87E-01	6.34E-01	1.41E+00	5.34E+00	2.25E-01	7.60E+00
1673	495061.06	3858851.99	3.1168	1.81062	26.232	3.02548	5.10E-01	1.40E+00	5.09E+00	2.23E-01	7.22E+00	5.02E-01	6.08E-05	5.58E-02	6.51E-03	5.65E-01	6.10E-01	1.40E+00	5.09E+00	2.23E-01	7.32E+00
1674	495111.06	3858851.99	2.86127	1.70546	24.069	2.96653	4.68E-01	1.32E+00	4.67E+00	2.18E-01	6.68E+00	4.61E-01	5.73E-05	5.12E-02	6.39E-03	5.19E-01	5.60E-01	1.32E+00	4.67E+00	2.18E-01	6.77E+00
1675	495161.06	3858851.99	2.75685	1.70131	23.249	2.94048	4.51E-01	1.32E+00	4.51E+00	2.16E-01	6.50E+00	4.44E-01	5.71E-05	4.94E-02	6.33E-03	5.00E-01	5.39E-01	1.32E+00	4.51E+00	2.16E-01	6.58E+00
1676	495211.06	3858851.99	2.81958	1.69751	23.382	2.9521	4.61E-01	1.32E+00	4.53E+00	2.17E-01	6.53E+00	4.54E-01	5.70E-05	4.97E-02	6.36E-03	5.10E-01	5.52E-01	1.32E+00	4.53E+00	2.17E-01	6.62E+00
1677	495261.06	3858851.99	2.84437	1.69357	23.225	2.95275	4.65E-01	1.31E+00	4.50E+00	2.17E-01	6.50E+00	4.58E-01	5.69E-05	4.94E-02	6.36E-03	5.14E-01	5.57E-01	1.31E+00	4.50E+00	2.17E-01	6.59E+00
1678	495311.06	3858851.99	2.89528	1.68972	23.245	2.95996	4.74E-01	1.31E+00	4.51E+00	2.18E-01	6.51E+00	4.67E-01	5.68E-05	4.94E-02	6.37E-03	5.22E-01	5.67E-01	1.31E+00	4.51E+00	2.18E-01	6.60E+00
1679	495361.06	3858851.99	2.92504	1.6858	23.127	2.96198	4.78E-01	1.31E+00	4.48E+00	2.18E-01	6.49E+00	4.71E-01	5.66E-05	4.92E-02	6.38E-03	5.27E-01	5.72E-01	1.31E+00	4.48E+00	2.18E-01	6.58E+00
1680	495411.06	3858851.99	2.95684	1.68187	23.004	2.9637	4.84E-01	1.30E+00	4.46E+00	2.18E-01	6.47E+00	4.76E-01	5.65E-05	4.89E-02	6.38E-03	5.32E-01	5.79E-01	1.30E+00	4.46E+00	2.18E-01	6.56E+00
1681	495461.06	3858851.99	2.99892	1.67792	22.928	2.9671	4.91E-01	1.30E+00	4.45E+00	2.18E-01	6.46E+00	4.83E-01	5.64E-05	4.87E-02	6.39E-03	5.38E-01	5.87E-01	1.30E+00	4.45E+00	2.18E-01	6.55E+00
1682	495511.06	3858851.99	2.99626	1.67403	23.33	2.9778	4.90E-01	1.30E+00	4.52E+00	2.19E-01	6.53E+00	4.83E-01	5.62E-05	4.96E-02	6.41E-03	5.39E-01	5.86E-01	1.30E+00	4.52E+00	2.19E-01	6.63E+00
1683	495561.06	3858851.99	2.93318	1.66966	21.944	2.93989	4.80E-01	1.30E+00	4.26E+00	2.16E-01	6.25E+00	4.73E-01	5.61E-05	4.67E-02	6.33E-03	5.26E-01	5.74E-01	1.30E+00	4.26E+00	2.16E-01	6.34E+00
1684	495611.06	3858851.99	2.90171	1.66547	21.431	2.93397	4.75E-01	1.29E+00	4.16E+00	2.16E-01	6.14E+00	4.68E-01	5.59E-05	4.56E-02	6.32E-03	5.19E-01	5.68E-01	1.29E+00	4.16E+00	2.16E-01	6.23E+00
1685	495661.06	3858851.99	2.93255	1.66149	21.324	2.93595	4.80E-01	1.29E+00	4.13E+00	2.16E-01	6.12E+00	4.73E-01	5.58E-05	4.53E-02	6.32E-03	5.24E-01	5.74E-01	1.29E+00	4.13E+00	2.16E-01	6.21E+00
1686	494311.06	3858901.99	5.3415	1.85011	47.376	4.29758	8.74E-01	1.44E+00	9.19E+00	3.16E-01	1.18E+01	8.61E-01	6.21E-05	1.01E-01	9.25E-03	9.71E-01	1.05E+00	1.44E+00	9.19E+00	3.16E-01	1.20E+01
1687	494361.06	3858901.99	5.72904	2.02354	51.223	4.71507	9.37E-01	1.57E+00	9.93E+00	3.47E-01	1.28E+01	9.23E-01	6.80E-05	1.09E-01	1.02E-02	1.04E+00	1.12E+00	1.57E+00	9.93E+00	3.47E-01	1.30E+01
1688	494411.06	3858901.99	5.77867	2.01929	51.573	4.76259	9.45E-01	1.57E+00	1.00E+01	3.51E-01	1.29E+01	9.31E-01	6.78E-05	1.10E-01	1.03E-02	1.05E+00	1.13E+00	1.57E+00	1.00E+01	3.51E-01	1.30E+01
1689	494461.06	3858901.99	5.82738	2.01456	45.312	4.0844	9.53E-01	1.56E+00	8.79E+00	3.01E-01	1.16E+01	9.39E-01	6.77E-05	9.63E-02	8.79E-03	1.04E+00	1.14E+00	1.56E+00	8.79E+00	3.01E-01	1.18E+01
1690	494511.06	3858901.99	5.82696	2.00979	45.402	4.05983	9.53E-01	1.56E+00	8.80E+00	2.99E-01	1.16E+01	9.39E-01	6.75E-05	9.65E-02	8.74E-03	1.04E+00	1.14E+00	1.56E+00	8.80E+00	2.99E-01	1.18E+01
1691	494561.06	3858901.99	5.65868	1.82622	44.497	3.94074	9.26E-01	1.42E+00	8.63E+00	2.90E-01	1.13E+01	9.12E-01	6.13E-05	9.46E-02	8.48E-03	1.01E+00	1.11E+00	1.42E+00	8.63E+00	2.90E-01	1.14E+01
1692	494611.06	3858901.99	5.3343	1.8205	42.459	3.73151	8.72E-01	1.41E+00	8.23E+00	2.75E-01	1.08E+01	8.60E-01	6.12E-05	9.03E-02	8.03E-03	9.58E-01	1.04E+00	1.41E+00	8.23E+00	2.75E-01	1.10E+01
1693	494661.06	3858901.99	5.16779	1.81511	41.405	3.6182	8.45E-01	1.41E+00	8.03E+00	2.66E-01	1.05E+01	8.33E-01	6.10E-05	8.80E-02	7.79E-03	9.29E-01	1.01E+00	1.41E+00	8.03E+00	2.66E-01	1.07E+01
1694	494711.06	3858901.99	4.86848	1.8094	39.27	3.47497	7.96E-01	1.40E+00	7.61E+00	2.56E-01	1.01E+01	7.84E-01	6.08E-05	8.35E-02	7.48E-03	8.76E-01	9.53E-01	1.40E+00	7.61E+00	2.56E-01	1.02E+01
1695	494761.06	3858901.99	4.51147	1.80356	36.617	3.3151	7.38E-01	1.40E+00	7.10E+00	2.44E-01	9.48E+00	7.27E-01	6.06E-05	7.79E-02	7.14E-03	8.12E-01	8.83E-01	1.40E+00	7.10E+00	2.44E-01	9.63E+00
1696	494811.06	3858901.99	4.31124	1.79805	35.25	3.25643	7.05E-01	1.39E+00	6.84E+00	2.40E-01	9.17E+00	6.95E-01	6.04E-05	7.49E-02	7.01E-03	7.77E-01	8.44E-01	1.39E+00	6.84E+00	2.40E-01	9.31E+00
1697	494861.06	3858901.99	4.16885	1.79264	34.28	3.23698	6.82E-01	1.39E+00	6.65E+00	2.38E-01	8.96E+00	6.72E-01	6.02E-05	7.29E-02	6.97E-03	7.52E-01	8.16E-01	1.39E+00	6.65E+00	2.38E-01	9.09E+00
1698	494911.06	3858901.99	3.84319	1.78674	31.639	3.18374	6.29E-01	1.39E+00	6.13E+00	2.34E-01	8.38E+00	6.19E-01	6.00E-05	6.73E-02	6.85E-03	6.93E-01	7.52E-01	1.39E+00	6.13E+00	2.34E-01	8.51E+00
1699	494961.06	3858901.99	3.67661	1.7812	30.367	3.15804	6.01E-01	1.38E+00	5.89E+00	2.33E-01	8.10E+00	5.92E-01	5.98E-05	6.46E-02	6.80E-03	6.64E-01	7.19E-01	1.38E+00	5.89E+00	2.33E-01	8.22E+00
1700	495011.06	3858901.99	3.52579	1.77566	29.128	3.13233	5.77E-01	1.38E+00	5.65E+00	2.31E-01	7.83E+00	5.68E-01	5.96E-05	6.19E-02	6.74E-03	6.37E-01	6.90E-01	1.38E+00	5.65E+00	2.31E-01	7.95E+00
1701	495061.06	3858901.99	3.30007	1.76994	27.359	3.09429	5.40E-01	1.37E+00	5.31E+00	2.28E-01	7.45E+00	5.32E-01	5.95E-05	5.82E-02	6.66E-03	5.97E-01	6.46E-01	1.37E+00	5.31E+00	2.28E-01	7.55E+00
1702	495111.06	3858901.99	2.99168	1.68232	24.937	3.02905	4.89E-01	1.30E+00	4.84E+00	2.23E-01	6.85E+00	4.82E-01	5.65E-05	5.30E-02	6.52E-03	5.42E-01	5.85E-01	1.31E+00	4.84E+00	2.23E-01	6.95E+00
1703	495161.06	3858901.99	2.94476	1.6783	24.448	3.0123	4.82E-01	1.30E+00	4.74E+00	2.22E-01	6.75E+00	4.74E-01	5.64E-05	5.20E-02	6.48E-03	5.33E-01	5.76E-01	1.30E+00	4.74E+00	2.22E-01	6.84E+00
1704	495211.06	3858901.99	3.05149	1.67458	25.166	3.02766	4.99E-01	1.30E+00	4.88E+00	2.23E-01	6.90E+00	4.92E-01	5.63E-05	5.35E-02	6.52E-03	5.52E-01	5.97E-01	1.30E+00	4.88E+00	2.23E-01	7.00E+00

1705	495261.06	3858901.99	3.078	1.67062	25.234	3.02578	5.03E-01	1.30E+00	4.89E+00	2.23E-01	6.92E+00	4.96E-01	5.61E-05	5.37E-02	6.51E-03	5.56E-01	6.02E-01	1.30E+00	4.89E+00	2.23E-01	7.01E+00
1706	495311.06	3858901.99	3.08043	1.66664	25.076	3.01926	5.04E-01	1.29E+00	4.86E+00	2.22E-01	6.88E+00	4.96E-01	5.60E-05	5.33E-02	6.50E-03	5.56E-01	6.03E-01	1.29E+00	4.86E+00	2.22E-01	6.98E+00
1707	495361.06	3858901.99	3.09758	1.66267	24.982	3.01882	5.07E-01	1.29E+00	4.84E+00	2.22E-01	6.86E+00	4.99E-01	5.59E-05	5.31E-02	6.50E-03	5.59E-01	6.06E-01	1.29E+00	4.84E+00	2.22E-01	6.96E+00
1708	495411.06	3858901.99	3.16137	1.65881	25.233	3.02722	5.17E-01	1.29E+00	4.89E+00	2.23E-01	6.92E+00	5.09E-01	5.57E-05	5.37E-02	6.52E-03	5.70E-01	6.19E-01	1.29E+00	4.89E+00	2.23E-01	7.02E+00
1709	495461.06	3858901.99	3.14694	1.65475	24.898	3.02053	5.15E-01	1.28E+00	4.83E+00	2.22E-01	6.85E+00	5.07E-01	5.56E-05	5.29E-02	6.50E-03	5.67E-01	6.16E-01	1.28E+00	4.83E+00	2.22E-01	6.95E+00
1710	495511.06	3858901.99	3.08735	1.65058	24.241	3.00502	5.05E-01	1.28E+00	4.70E+00	2.21E-01	6.71E+00	4.97E-01	5.54E-05	5.15E-02	6.47E-03	5.56E-01	6.04E-01	1.28E+00	4.70E+00	2.21E-01	6.81E+00
1711	495561.06	3858901.99	3.0725	1.64648	23.762	2.99367	5.03E-01	1.28E+00	4.61E+00	2.20E-01	6.61E+00	4.95E-01	5.53E-05	5.05E-02	6.44E-03	5.52E-01	6.01E-01	1.28E+00	4.61E+00	2.20E-01	6.71E+00
1712	495611.06	3858901.99	3.02473	1.6423	23.119	2.97484	4.95E-01	1.27E+00	4.48E+00	2.19E-01	6.47E+00	4.87E-01	5.52E-05	4.92E-02	6.40E-03	5.43E-01	5.92E-01	1.27E+00	4.48E+00	2.19E-01	6.57E+00
1713	495661.06	3858901.99	3.07474	1.63834	23.136	2.97809	5.03E-01	1.27E+00	4.49E+00	2.19E-01	6.48E+00	4.95E-01	5.50E-05	4.92E-02	6.41E-03	5.51E-01	6.02E-01	1.27E+00	4.49E+00	2.19E-01	6.58E+00
1714	494311.06	3858951.99	6.3243	2.00789	50.93	5.35097	1.03E+00	1.56E+00	9.88E+00	3.94E-01	1.29E+01	1.02E+00	6.74E-05	1.08E-01	1.15E-02	1.14E+00	1.24E+00	1.56E+00	9.88E+00	3.94E-01	1.31E+01
1715	494361.06	3858951.99	6.44787	1.99865	52.234	5.63046	1.05E+00	1.55E+00	1.01E+01	4.15E-01	1.31E+01	1.04E+00	6.71E-05	1.11E-01	1.21E-02	1.16E+00	1.26E+00	1.55E+00	1.01E+01	4.15E-01	1.34E+01
1716	494411.06	3858951.99	6.31355	1.98837	51.664	5.38737	1.03E+00	1.54E+00	1.00E+01	3.97E-01	1.30E+01	1.02E+00	6.68E-05	1.10E-01	1.16E-02	1.14E+00	1.24E+00	1.54E+00	1.00E+01	3.97E-01	1.32E+01
1717	494461.06	3858951.99	6.34666	1.97819	45.598	4.53331	1.04E+00	1.53E+00	8.84E+00	3.34E-01	1.17E+01	1.02E+00	6.65E-05	9.69E-02	9.76E-03	1.13E+00	1.24E+00	1.53E+00	8.84E+00	3.34E-01	1.20E+01
1718	494511.06	3858951.99	6.28031	1.96766	45.471	4.44597	1.03E+00	1.53E+00	8.82E+00	3.27E-01	1.17E+01	1.01E+00	6.61E-05	9.67E-02	9.57E-03	1.12E+00	1.23E+00	1.53E+00	8.82E+00	3.27E-01	1.19E+01
1719	494561.06	3858951.99	6.12417	1.9567	44.883	4.30297	1.00E+00	1.52E+00	8.70E+00	3.17E-01	1.15E+01	9.87E-01	6.57E-05	9.54E-02	9.26E-03	1.09E+00	1.20E+00	1.52E+00	8.70E+00	3.17E-01	1.17E+01
1720	494611.06	3858951.99	5.86352	1.95011	43.67	4.12121	9.59E-01	1.51E+00	8.47E+00	3.03E-01	1.12E+01	9.45E-01	6.55E-05	9.28E-02	8.87E-03	1.05E+00	1.15E+00	1.51E+00	8.47E+00	3.03E-01	1.14E+01
1721	494661.06	3858951.99	5.62197	1.76461	42.421	3.95149	9.20E-01	1.37E+00	8.23E+00	2.91E-01	1.08E+01	9.06E-01	5.93E-05	9.02E-02	8.51E-03	1.00E+00	1.10E+00	1.37E+00	8.23E+00	2.91E-01	1.10E+01
1722	494711.06	3858951.99	5.25935	1.75875	40.238	3.70869	8.60E-01	1.36E+00	7.80E+00	2.73E-01	1.03E+01	8.47E-01	5.91E-05	8.56E-02	7.98E-03	9.41E-01	1.03E+00	1.36E+00	7.80E+00	2.73E-01	1.05E+01
1723	494761.06	3858951.99	5.002	1.75316	38.577	3.53956	8.18E-01	1.36E+00	7.48E+00	2.61E-01	9.92E+00	8.06E-01	5.89E-05	8.20E-02	7.62E-03	8.96E-01	9.79E-01	1.36E+00	7.48E+00	2.61E-01	1.01E+01
1724	494811.06	3858951.99	4.83072	1.74772	37.472	3.47281	7.90E-01	1.36E+00	7.27E+00	2.56E-01	9.67E+00	7.78E-01	5.87E-05	7.97E-02	7.48E-03	8.66E-01	9.45E-01	1.36E+00	7.27E+00	2.56E-01	9.82E+00
1725	494861.06	3858951.99	4.65777	1.74229	36.314	3.40611	7.62E-01	1.35E+00	7.04E+00	2.51E-01	9.41E+00	7.51E-01	5.85E-05	7.72E-02	7.33E-03	8.35E-01	9.11E-01	1.35E+00	7.04E+00	2.51E-01	9.56E+00
1726	494911.06	3858951.99	4.39295	1.73665	34.4	3.31435	7.19E-01	1.35E+00	6.67E+00	2.44E-01	8.98E+00	7.08E-01	5.83E-05	7.31E-02	7.13E-03	7.88E-01	8.60E-01	1.35E+00	6.67E+00	2.44E-01	9.12E+00
1727	494961.06	3858951.99	4.26572	1.73135	33.592	3.28157	6.98E-01	1.34E+00	6.51E+00	2.42E-01	8.80E+00	6.87E-01	5.82E-05	7.14E-02	7.06E-03	7.66E-01	8.35E-01	1.34E+00	6.51E+00	2.42E-01	8.93E+00
1728	495011.06	3858951.99	3.86416	1.72534	30.394	3.21735	6.32E-01	1.34E+00	5.89E+00	2.37E-01	8.10E+00	6.23E-01	5.80E-05	6.46E-02	6.93E-03	6.94E-01	7.56E-01	1.34E+00	5.89E+00	2.37E-01	8.23E+00
1729	495061.06	3858951.99	3.49829	1.71938	27.578	3.1506	5.72E-01	1.33E+00	5.35E+00	2.32E-01	7.49E+00	5.64E-01	5.78E-05	5.86E-02	6.78E-03	6.29E-01	6.85E-01	1.33E+00	5.35E+00	2.32E-01	7.60E+00
1730	495111.06	3858951.99	3.23305	1.7137	25.604	3.08856	5.29E-01	1.33E+00	4.96E+00	2.27E-01	7.05E+00	5.21E-01	5.76E-05	5.44E-02	6.65E-03	5.82E-01	6.33E-01	1.33E+00	4.96E+00	2.27E-01	7.15E+00
1731	495161.06	3858951.99	3.37727	1.709	26.925	3.12814	5.52E-01	1.33E+00	5.22E+00	2.30E-01	7.33E+00	5.44E-01	5.74E-05	5.72E-02	6.73E-03	6.08E-01	6.61E-01	1.33E+00	5.22E+00	2.30E-01	7.44E+00
1732	495211.06	3858951.99	3.38714	1.704	27.108	3.12934	5.54E-01	1.32E+00	5.26E+00	2.30E-01	7.36E+00	5.46E-01	5.72E-05	5.76E-02	6.74E-03	6.10E-01	6.63E-01	1.32E+00	5.26E+00	2.30E-01	7.47E+00
1733	495261.06	3858951.99	3.39046	1.69894	27.247	3.12944	5.55E-01	1.32E+00	5.28E+00	2.30E-01	7.39E+00	5.46E-01	5.71E-05	5.79E-02	6.74E-03	6.11E-01	6.63E-01	1.32E+00	5.28E+00	2.30E-01	7.50E+00
1734	495311.06	3858951.99	3.28387	1.69361	26.39	3.10519	5.37E-01	1.31E+00	5.12E+00	2.29E-01	7.20E+00	5.29E-01	5.69E-05	5.61E-02	6.68E-03	5.92E-01	6.43E-01	1.31E+00	5.12E+00	2.29E-01	7.30E+00
1735	495361.06	3858951.99	3.3305	1.68865	26.628	3.10797	5.45E-01	1.31E+00	5.16E+00	2.29E-01	7.25E+00	5.37E-01	5.67E-05	5.66E-02	6.69E-03	6.00E-01	6.52E-01	1.31E+00	5.16E+00	2.29E-01	7.35E+00
1736	495411.06	3858951.99	3.40694	1.68376	27.064	3.115	5.57E-01	1.31E+00	5.25E+00	2.29E-01	7.34E+00	5.49E-01	5.66E-05	5.75E-02	6.71E-03	6.13E-01	6.67E-01	1.31E+00	5.25E+00	2.29E-01	7.45E+00
1737	495461.06	3858951.99	3.41225	1.67866	26.911	3.10642	5.58E-01	1.30E+00	5.22E+00	2.29E-01	7.31E+00	5.50E-01	5.64E-05	5.72E-02	6.69E-03	6.14E-01	6.68E-01	1.30E+00	5.22E+00	2.29E-01	7.42E+00
1738	495511.06	3858951.99	3.46048	1.67367	27.089	3.10648	5.66E-01	1.30E+00	5.25E+00	2.29E-01	7.35E+00	5.58E-01	5.62E-05	5.76E-02	6.69E-03	6.22E-01	6.77E-01	1.30E+00	5.25E+00	2.29E-01	7.46E+00
1739	495561.06	3858951.99	3.31288	1.66824	25.797	3.05892	5.42E-01	1.29E+00	5.00E+00	2.25E-01	7.06E+00	5.34E-01	5.60E-05	5.48E-02	6.59E-03	5.95E-01	6.48E-01	1.29E+00	5.00E+00	2.25E-01	7.17E+00
1740	495611.06	3858951.99	3.25053	1.66307	25.167	3.02374	5.32E-01	1.29E+00	4.88E+00	2.23E-01	6.92E+00	5.24E-01	5.59E-05	5.35E-02	6.51E-03	5.84E-01	6.36E-01	1.29E+00	4.88E+00	2.23E-01	7.03E+00
1741	495661.06	3858951.99	3.29789	1.65819	25.341	3.0277	5.39E-01	1.29E+00	4.91E+00	2.23E-01	6.96E+00	5.31E-01	5.57E-05	5.39E-02	6.52E-03	5.92E-01	6.45E-01	1.29E+00	4.91E+00	2.23E-01	7.07E+00
1742	494311.06	3859001.99	7.11834	1.9234	51.243	6.47759	1.16E+00	1.49E+00	9.94E+00	4.77E-01	1.31E+01	1.15E+00	6.46E-05	1.09E-01	1.39E-02	1.27E+00	1.39E+00	1.49E+00	9.94E+00	4.77E-01	1.33E+01
1743	494361.06	3859001.99	7.08116	1.9141	49.401	6.14705	1.16E+00	1.48E+00	9.58E+00	4.53E-01	1.27E+01	1.14E+00	6.43E-05	1.05E-01	1.32E-02	1.26E+00	1.39E+00	1.48E+00	9.58E+00	4.53E-01	1.29E+01
1744	494411.06	3859001.99	7.01292	1.90466	43.691	5.12172	1.15E+00	1.48E+00	8.47E+00	3.77E-01	1.15E+01	1.13E+00	6.40E-05	9.29E-02	1.10E-02	1.23E+00	1.37E+00	1.48E+00	8.47E+00	3.77E-01	1.17E+01
1745	494461.06	3859001.99	6.90692	1.90186	43.881	5.03848	1.13E+00	1.48E+00	8.51E+00	3.71E-01	1.15E+01	1.11E+00	6.39E-05	9.33E-02	1.08E-02	1.22E+00	1.35E+00	1.48E+00	8.51E+00	3.71E-01	1.17E+01
1746	494511.06	3859001.99	6.80121	1.8989	44.024	4.95189	1.11E+00	1.47E+00	8.54E+00	3.65E-01	1.15E+01	1.10E+00	6.38E-05	9.36E-02	1.07E-02	1.20E+00	1.33E+00	1.47E+00	8.54E+00	3.65E-01	1.17E+01
1747	494561.06	3859001.99	6.53231	1.89521	43.518	4.74951	1.07E+00	1.47E+00	8.44E+00	3.50E-01	1.13E+01	1.05E+00	6.37E-05	9.25E-02	1.02E-02	1.16E+00	1.28E+00	1.47E+00	8.44E+00	3.50E-01	1.15E+01
1748	494611.06	3859001.99	6.30572	1.89146	42.931	4.5553	1.03E+00	1.47E+00	8.32E+00	3.35E-01	1.12E+01	1.02E+00	6.35E-05	9.13E-02	9.81E-03	1.12E+00	1.23E+00	1.47E+00	8.32E+00	3.35E-01	1.14E+01
1749	494661.06	3859001.99	6.02032	1.88732	41.896	4.31321	9.85E-01	1.46E+00	8.12E+00	3.18E-01	1.09E+01	9.70E-01	6.34E-05	8.91E-02	9.29E-03	1.07E+00	1.18E+00	1.46E+00	8.12E+00	3.18E-01	1.11E+01
1750	494711.06	3859001.99	5.66936	1.69916	40.316	4.04648	9.27E-01	1.32E+00	7.82E+00	2.98E-01	1.04E+01	9.14E-01	5.71E-05	8.57E-02	8.71E-03	1.01E+00	1.11E+00	1.32E+00	7.82E+00	2.98E-01	1.05E+01
1751	494761.06	3859001.99	5.47188	1.69395	39.405	3.89837	8.95E-01	1.31E+00	7.64E+00	2.87E-01	1.01E+01	8.82E-01	5.69E-05	8.38E-02	8.39E-03	9.74E-01	1.07E+00	1.31E+00	7.64E+00	2.87E-01	1.03E+01
1752	494811.06	3859001.99	5.36647	1.68891	38.984	3.81161	8.78E-01	1.31E+00	7.56E+00	2.81E-01	1.00E+01	8.65E-01	5.67E-05	8.29E-02	8.21E-03	9.56E-01	1.05E+00	1.31E+00	7.56E+00	2.81E-01	1.02E+01
1753	494861.06	3859001.99	5.14129	1.6836	37.764	3.65081	8.41E-01	1.31E+00	7.32E+00	2.69E-01	9.74E+00	8.28E-01	5.66E-05	8.03E-02	7.86E-03	9.17E-01	1.01E+00	1.31E+00	7.32E+00	2.69E-01	9.90E+00
1754	494911.06	3859001.99	4.89776	1.67828	36.328	3.52221	8.01E-01	1.30E+00	7.04E+00	2.59E-01	9.41E+00	7.89E-01	5.64E-05	7.72E-02	7.58E-03	8.74E-01	9.58E-01	1.30E+00	7.04E+00	2.59E-01	9.56E+00
1755	494961.06	3859001.99	4.64843	1.67298	34.764	3.42958	7.60E-01	1.30E+00	6.74E+00	2.52E-01	9.05E+00	7.49E-01	5.62E-05	7.39E-02	7.38E-03	8.30E-01	9.10E-01	1.30E+00	6.74E+00	2.52E-01	9.20E+00
1756	495011.06	3859001.99	3.95819	1.66669	29.658	3.25148	6.47E-01	1.29E+00	5.75E+00	2.39E-01	7.93E+00	6.38E-01	5.60E-05	6.31E-02	7.00E-03	7.08E-01	7.75E-01	1.29E+00	5.75E+00	2.39E-01	8.06E+00
1757	495061.06	3859001.99	3.84186	1.66165	28.914	3.229	6.28E-01	1.29E+00	5.61E+00	2.38E-01	7.76E+00	6.19E-01	5.58E-05	6.15E-02	6.95E-03	6.88E-01	7.52E-01	1.29E+00	5.61E+00	2.38E-01	7.89E+00
1758	495111.06	3859001.99	3.57882	1.6563	26.924	3.17918	5.85E-01	1.28E+00	5.22E+00	2.34E-01	7.32E+00	5.77E-01	5.56E-05	5.72E-02	6.84E-03	6.41E-01	7.00E-01	1.28E+00	5.22E+00	2.34E-01	7.44E+00
1759	495161.06	3859001.99	3.81299	1.65216	28.989	3.22126	6.24E-01	1.28E+00	5.62E+00	2.37E-01	7.76E+00	6.14E-01	5.55E-05	6.16E-02	6.93E-03	6.83E-01	7.46E-01	1.28E+00	5.62E+00	2.37E-01	7.89E+00
1760	495211.06	3859001.99	3.769	1.64738	28.778	3.21208	6.16E-01	1.28E+00	5.58E+00	2.36E-01	7.71E+00	6.07E-01	5.53E-05	6.12E-02	6.91E-03	6.75E-01	7.38E-01	1.28E+00	5.58E+00	2.36E-01	7.83E+00
1761	495261.06	3859001.99	3.77934	1.64272	29.01	3.21247	6.18E-01	1.27E+00	5.63E+00	2.37E-01	7.75E+00	6.09E-01	5.52E-05	6.17E-02	6.92E-03	6.78E-01	7.40E-01	1.27E+00	5.63E+00	2.37E-01	7.88E+00
1762	495311.06	3859001.99	3.73114	1.63793	28.664	3.20018	6.10E-01	1.27E+00	5.56E+00	2.36E-01	7.67E+00	6.01E-01	5.50E-05	6.09E-02	6.89E-03	6.69E-01	7.30E-01	1.27E+00	5.56E+00	2.36E-01	7.79E+00
1763	495361.06	3859001.99	3.74213	1.63332	28.943	3.19884	6.12E-01	1.27E+00	5.61E+00	2.36E-01	7.73E+00	6.03E-01	5.49E-05	6.15E-02	6.89E-03	6.71E-01	7.32E-01	1.27E+00	5.61E+00	2.36E-01	7.85E+00
1764	495411.06	3859001.99	3.71988	1.62869	28.964	3.19172	6.08E-01	1.26E+00	5.62E+00	2.35E-01	7.72E+00	5.99E-01	5.47E-05	6.16E-02	6.87E-03	6.68E-01	7.28E-01	1.26E+00	5.62E+00	2.35E-01	7.84E+00
1765	495461.06	3859001.99	3.73451	1.62408	29.09	3.187	6.11E-01	1.26E+00	5.64E+00	2.35E-01	7.75E+00	6.02E-01	5.46E-05	6.18E-02	6.86E-03	6.71E-01	7.31E-01	1.26E+00	5.64E+00	2.35E-01	7.87E+00

1766	495511.06	3859001.99	3.61438	1.61914	28.099	3.15755	5.91E-01	1.26E+00	5.45E+00	2.32E-01	7.53E+00	5.82E-01	5.44E-05	5.97E-02	6.80E-03	6.49E-01	7.07E-01	1.26E+00	5.45E+00	2.32E-01	7.64E+00
1767	495561.06	3859001.99	3.56677	1.61441	27.671	3.14058	5.83E-01	1.25E+00	5.37E+00	2.31E-01	7.43E+00	5.75E-01	5.42E-05	5.88E-02	6.76E-03	6.40E-01	6.98E-01	1.25E+00	5.37E+00	2.31E-01	7.55E+00
1768	495611.06	3859001.99	3.52512	1.60993	27.135	3.12106	5.77E-01	1.25E+00	5.26E+00	2.30E-01	7.32E+00	5.68E-01	5.41E-05	5.77E-02	6.72E-03	6.32E-01	6.90E-01	1.25E+00	5.26E+00	2.30E-01	7.43E+00
1769	495661.06	3859001.99	3.65434	1.60611	27.973	3.13336	5.98E-01	1.25E+00	5.42E+00	2.31E-01	7.50E+00	5.89E-01	5.40E-05	5.95E-02	6.75E-03	6.55E-01	7.15E-01	1.25E+00	5.42E+00	2.31E-01	7.62E+00
1770	494311.06	3859051.99	7.77025	1.84511	48.778	7.18873	1.27E+00	1.43E+00	9.46E+00	5.29E-01	1.27E+01	1.25E+00	6.20E-05	1.04E-01	1.55E-02	1.37E+00	1.52E+00	1.43E+00	9.46E+00	5.29E-01	1.29E+01
1771	494361.06	3859051.99	7.74974	1.84437	42.689	5.79813	1.27E+00	1.43E+00	8.28E+00	4.27E-01	1.14E+01	1.25E+00	6.20E-05	9.08E-02	1.25E-02	1.35E+00	1.52E+00	1.43E+00	8.28E+00	4.27E-01	1.17E+01
1772	494411.06	3859051.99	7.61343	1.84331	42.516	5.68031	1.25E+00	1.43E+00	8.24E+00	4.18E-01	1.13E+01	1.23E+00	6.19E-05	9.04E-02	1.22E-02	1.33E+00	1.49E+00	1.43E+00	8.24E+00	4.18E-01	1.16E+01
1773	494461.06	3859051.99	7.44491	1.84187	42.249	5.53825	1.22E+00	1.43E+00	8.19E+00	4.08E-01	1.12E+01	1.20E+00	6.19E-05	8.98E-02	1.19E-02	1.30E+00	1.46E+00	1.43E+00	8.19E+00	4.08E-01	1.15E+01
1774	494511.06	3859051.99	7.22119	1.84019	41.795	5.3525	1.18E+00	1.43E+00	8.10E+00	3.94E-01	1.11E+01	1.16E+00	6.18E-05	8.89E-02	1.15E-02	1.26E+00	1.41E+00	1.43E+00	8.10E+00	3.94E-01	1.13E+01
1775	494561.06	3859051.99	7.02628	1.83849	41.361	5.18725	1.15E+00	1.43E+00	8.02E+00	3.82E-01	1.10E+01	1.13E+00	6.18E-05	8.79E-02	1.12E-02	1.23E+00	1.37E+00	1.43E+00	8.02E+00	3.82E-01	1.12E+01
1776	494611.06	3859051.99	6.75775	1.83637	40.606	4.97148	1.11E+00	1.42E+00	7.87E+00	3.66E-01	1.08E+01	1.09E+00	6.17E-05	8.63E-02	1.07E-02	1.19E+00	1.32E+00	1.42E+00	7.87E+00	3.66E-01	1.10E+01
1777	494661.06	3859051.99	6.47844	1.83402	40.053	4.75251	1.06E+00	1.42E+00	7.77E+00	3.50E-01	1.06E+01	1.04E+00	6.16E-05	8.52E-02	1.02E-02	1.14E+00	1.27E+00	1.42E+00	7.77E+00	3.50E-01	1.08E+01
1778	494711.06	3859051.99	6.21338	1.83155	39.52	4.54044	1.02E+00	1.42E+00	7.66E+00	3.34E-01	1.04E+01	1.00E+00	6.15E-05	8.40E-02	9.77E-03	1.10E+00	1.22E+00	1.42E+00	7.66E+00	3.34E-01	1.06E+01
1779	494761.06	3859051.99	5.9484	1.82898	38.779	4.31565	9.73E-01	1.42E+00	7.52E+00	3.18E-01	1.02E+01	9.58E-01	6.14E-05	8.25E-02	9.29E-03	1.05E+00	1.16E+00	1.42E+00	7.52E+00	3.18E-01	1.04E+01
1780	494811.06	3859051.99	5.77873	1.82646	38.308	4.15215	9.45E-01	1.42E+00	7.43E+00	3.06E-01	1.01E+01	9.31E-01	6.14E-05	8.15E-02	8.94E-03	1.02E+00	1.13E+00	1.42E+00	7.43E+00	3.06E-01	1.03E+01
1781	494861.06	3859051.99	5.60291	1.63243	37.723	4.01129	9.16E-01	1.27E+00	7.31E+00	2.95E-01	9.79E+00	9.03E-01	5.48E-05	8.02E-02	8.64E-03	9.92E-01	1.10E+00	1.27E+00	7.31E+00	2.95E-01	9.97E+00
1782	494911.06	3859051.99	5.30599	1.62785	36.358	3.79322	8.68E-01	1.26E+00	7.05E+00	2.79E-01	9.46E+00	8.55E-01	5.47E-05	7.73E-02	8.17E-03	9.40E-01	1.04E+00	1.26E+00	7.05E+00	2.79E-01	9.63E+00
1783	494961.06	3859051.99	4.84483	1.62297	33.776	3.52441	7.92E-01	1.26E+00	6.55E+00	2.59E-01	8.86E+00	7.81E-01	5.45E-05	7.18E-02	7.59E-03	8.60E-01	9.48E-01	1.26E+00	6.55E+00	2.59E-01	9.02E+00
1784	495011.06	3859051.99	4.51357	1.61834	31.806	3.39511	7.38E-01	1.26E+00	6.17E+00	2.50E-01	8.41E+00	7.27E-01	5.44E-05	6.76E-02	7.31E-03	8.02E-01	8.83E-01	1.26E+00	6.17E+00	2.50E-01	8.56E+00
1785	495061.06	3859051.99	4.30431	1.61397	30.567	3.30976	7.04E-01	1.25E+00	5.93E+00	2.44E-01	8.13E+00	6.94E-01	5.42E-05	6.50E-02	7.13E-03	7.66E-01	8.42E-01	1.25E+00	5.93E+00	2.44E-01	8.27E+00
1786	495111.06	3859051.99	4.20458	1.60986	30.079	3.2836	6.88E-01	1.25E+00	5.83E+00	2.42E-01	8.01E+00	6.77E-01	5.41E-05	6.40E-02	7.07E-03	7.49E-01	8.23E-01	1.25E+00	5.83E+00	2.42E-01	8.15E+00
1787	495161.06	3859051.99	4.33101	1.60629	31.262	3.29872	7.08E-01	1.25E+00	6.06E+00	2.43E-01	8.26E+00	6.98E-01	5.40E-05	6.65E-02	7.10E-03	7.71E-01	8.47E-01	1.25E+00	6.06E+00	2.43E-01	8.40E+00
1788	495211.06	3859051.99	4.19741	1.60217	30.546	3.27476	6.87E-01	1.24E+00	5.92E+00	2.41E-01	8.09E+00	6.76E-01	5.38E-05	6.49E-02	7.05E-03	7.48E-01	8.21E-01	1.24E+00	5.92E+00	2.41E-01	8.23E+00
1789	495261.06	3859051.99	4.24974	1.59842	31.244	3.27978	6.95E-01	1.24E+00	6.06E+00	2.41E-01	8.23E+00	6.85E-01	5.37E-05	6.64E-02	7.06E-03	7.58E-01	8.32E-01	1.24E+00	6.06E+00	2.41E-01	8.37E+00
1790	495311.06	3859051.99	4.17033	1.5944	30.865	3.2631	6.82E-01	1.24E+00	5.98E+00	2.40E-01	8.14E+00	6.72E-01	5.36E-05	6.56E-02	7.02E-03	7.45E-01	8.16E-01	1.24E+00	5.98E+00	2.40E-01	8.28E+00
1791	495361.06	3859051.99	4.14241	1.59052	30.904	3.25499	6.78E-01	1.23E+00	5.99E+00	2.40E-01	8.14E+00	6.67E-01	5.34E-05	6.57E-02	7.01E-03	7.40E-01	8.11E-01	1.23E+00	5.99E+00	2.40E-01	8.28E+00
1792	495411.06	3859051.99	4.16396	1.58679	31.233	3.25267	6.81E-01	1.23E+00	6.06E+00	2.39E-01	8.21E+00	6.71E-01	5.33E-05	6.64E-02	7.00E-03	7.44E-01	8.15E-01	1.23E+00	6.06E+00	2.39E-01	8.34E+00
1793	495461.06	3859051.99	4.18716	1.58304	31.503	3.24918	6.85E-01	1.23E+00	6.11E+00	2.39E-01	8.26E+00	6.75E-01	5.32E-05	6.70E-02	6.99E-03	7.49E-01	8.19E-01	1.23E+00	6.11E+00	2.39E-01	8.40E+00
1794	495511.06	3859051.99	4.03412	1.57889	30.407	3.21913	6.60E-01	1.22E+00	5.90E+00	2.37E-01	8.02E+00	6.50E-01	5.30E-05	6.46E-02	6.93E-03	7.22E-01	7.89E-01	1.22E+00	5.90E+00	2.37E-01	8.15E+00
1795	495561.06	3859051.99	3.92792	1.57486	29.634	3.19527	6.42E-01	1.22E+00	5.75E+00	2.35E-01	7.85E+00	6.33E-01	5.29E-05	6.30E-02	6.88E-03	7.03E-01	7.69E-01	1.22E+00	5.75E+00	2.35E-01	7.97E+00
1796	495611.06	3859051.99	3.85965	1.5709	28.983	3.17381	6.31E-01	1.22E+00	5.62E+00	2.34E-01	7.70E+00	6.22E-01	5.28E-05	6.16E-02	6.83E-03	6.90E-01	7.55E-01	1.22E+00	5.62E+00	2.34E-01	7.83E+00
1797	495661.06	3859051.99	3.96626	1.56736	29.677	3.17962	6.49E-01	1.22E+00	5.75E+00	2.34E-01	7.85E+00	6.39E-01	5.27E-05	6.31E-02	6.84E-03	7.09E-01	7.76E-01	1.22E+00	5.75E+00	2.34E-01	7.98E+00
1798	494311.06	3859101.99	8.3655	1.80949	41.109	6.33373	1.37E+00	1.40E+00	7.97E+00	4.66E-01	1.12E+01	1.35E+00	6.08E-05	8.74E-02	1.36E-02	1.45E+00	1.64E+00	1.40E+00	7.97E+00	4.66E-01	1.15E+01
1799	494361.06	3859101.99	8.25772	1.80693	40.967	6.24433	1.35E+00	1.40E+00	7.94E+00	4.60E-01	1.12E+01	1.33E+00	6.07E-05	8.71E-02	1.34E-02	1.43E+00	1.62E+00	1.40E+00	7.94E+00	4.60E-01	1.14E+01
1800	494411.06	3859101.99	8.17048	1.80566	40.967	6.16453	1.34E+00	1.40E+00	7.94E+00	4.54E-01	1.11E+01	1.32E+00	6.07E-05	8.71E-02	1.33E-02	1.42E+00	1.60E+00	1.40E+00	7.94E+00	4.54E-01	1.14E+01
1801	494461.06	3859101.99	8.00286	1.79925	40.929	6.03815	1.31E+00	1.40E+00	7.94E+00	4.45E-01	1.11E+01	1.29E+00	6.04E-05	8.70E-02	1.30E-02	1.39E+00	1.57E+00	1.40E+00	7.94E+00	4.45E-01	1.13E+01
1802	494511.06	3859101.99	7.75068	1.79781	40.738	5.84966	1.27E+00	1.39E+00	7.90E+00	4.31E-01	1.10E+01	1.25E+00	6.04E-05	8.66E-02	1.26E-02	1.35E+00	1.52E+00	1.39E+00	7.90E+00	4.31E-01	1.12E+01
1803	494561.06	3859101.99	7.54586	1.79716	40.495	5.68406	1.23E+00	1.39E+00	7.85E+00	4.18E-01	1.09E+01	1.22E+00	6.04E-05	8.61E-02	1.22E-02	1.31E+00	1.48E+00	1.39E+00	7.85E+00	4.18E-01	1.11E+01
1804	494611.06	3859101.99	7.22192	1.79605	39.858	5.41584	1.18E+00	1.39E+00	7.73E+00	3.99E-01	1.07E+01	1.16E+00	6.03E-05	8.47E-02	1.17E-02	1.26E+00	1.41E+00	1.39E+00	7.73E+00	3.99E-01	1.09E+01
1805	494661.06	3859101.99	7.01218	1.79518	39.403	5.23196	1.15E+00	1.39E+00	7.64E+00	3.85E-01	1.06E+01	1.13E+00	6.03E-05	8.38E-02	1.13E-02	1.22E+00	1.37E+00	1.39E+00	7.64E+00	3.85E-01	1.08E+01
1806	494711.06	3859101.99	6.63134	1.79363	38.209	4.8931	1.08E+00	1.39E+00	7.41E+00	3.60E-01	1.02E+01	1.07E+00	6.03E-05	8.12E-02	1.05E-02	1.16E+00	1.30E+00	1.39E+00	7.41E+00	3.60E-01	1.05E+01
1807	494761.06	3859101.99	6.52733	1.79283	38.021	4.80558	1.07E+00	1.39E+00	7.37E+00	3.54E-01	1.02E+01	1.05E+00	6.02E-05	8.08E-02	1.03E-02	1.14E+00	1.28E+00	1.39E+00	7.37E+00	3.54E-01	1.04E+01
1808	494811.06	3859101.99	6.28139	1.7914	37.125	4.60355	1.03E+00	1.39E+00	7.20E+00	3.39E-01	9.95E+00	1.01E+00	6.02E-05	7.89E-02	9.91E-03	1.10E+00	1.23E+00	1.39E+00	7.20E+00	3.39E-01	1.02E+01
1809	494861.06	3859101.99	6.05896	1.78989	36.27	4.41952	9.91E-01	1.39E+00	7.03E+00	3.25E-01	9.74E+00	9.76E-01	6.01E-05	7.71E-02	9.51E-03	1.06E+00	1.19E+00	1.39E+00	7.03E+00	3.25E-01	9.93E+00
1810	494911.06	3859101.99	5.74023	1.59094	35.317	4.14834	9.39E-01	1.23E+00	6.85E+00	3.05E-01	9.33E+00	9.25E-01	5.34E-05	7.51E-02	8.93E-03	1.01E+00	1.12E+00	1.23E+00	6.85E+00	3.05E-01	9.51E+00
1811	494961.06	3859101.99	5.25317	1.58643	33.208	3.76689	8.59E-01	1.23E+00	6.44E+00	2.77E-01	8.81E+00	8.46E-01	5.33E-05	7.06E-02	8.11E-03	9.25E-01	1.03E+00	1.23E+00	6.44E+00	2.77E-01	8.98E+00
1812	495011.06	3859101.99	4.74006	1.58191	30.574	3.48258	7.75E-01	1.23E+00	5.93E+00	2.56E-01	8.19E+00	7.64E-01	5.31E-05	6.50E-02	7.50E-03	8.36E-01	9.28E-01	1.23E+00	5.93E+00	2.56E-01	8.34E+00
1813	495061.06	3859101.99	4.77302	1.57854	31.13	3.47941	7.81E-01	1.22E+00	6.04E+00	2.56E-01	8.30E+00	7.69E-01	5.30E-05	6.62E-02	7.49E-03	8.43E-01	9.34E-01	1.22E+00	6.04E+00	2.56E-01	8.45E+00
1814	495111.06	3859101.99	4.65289	1.57489	30.716	3.42145	7.61E-01	1.22E+00	5.96E+00	2.52E-01	8.19E+00	7.50E-01	5.29E-05	6.53E-02	7.37E-03	8.22E-01	9.10E-01	1.22E+00	5.96E+00	2.52E-01	8.34E+00
1815	495161.06	3859101.99	4.78768	1.57182	31.859	3.4522	7.83E-01	1.22E+00	6.18E+00	2.54E-01	8.43E+00	7.71E-01	5.28E-05	6.77E-02	7.43E-03	8.47E-01	9.37E-01	1.22E+00	6.18E+00	2.54E-01	8.59E+00
1816	495211.06	3859101.99	4.67786	1.56826	31.487	3.39947	7.65E-01	1.22E+00	6.11E+00	2.50E-01	8.34E+00	7.54E-01	5.27E-05	6.69E-02	7.32E-03	8.28E-01	9.15E-01	1.22E+00	6.11E+00	2.50E-01	8.49E+00
1817	495261.06	3859101.99	4.70283	1.56496	31.979	3.3949	7.69E-01	1.21E+00	6.20E+00	2.50E-01	8.43E+00	7.58E-01	5.26E-05	6.80E-02	7.31E-03	8.33E-01	9.20E-01	1.21E+00	6.20E+00	2.50E-01	8.59E+00
1818	495311.06	3859101.99	4.66653	1.56173	33.035	3.40817	7.63E-01	1.21E+00	6.41E+00	2.51E-01	8.63E+00	7.52E-01	5.25E-05	7.02E-02	7.34E-03	8.30E-01	9.13E-01	1.21E+00	6.41E+00	2.51E-01	8.78E+00
1819	495361.06	3859101.99	4.68989	1.55833	32.622	3.36902	7.67E-01	1.21E+00	6.33E+00	2.48E-01	8.55E+00	7.56E-01	5.23E-05	6.94E-02	7.25E-03	8.32E-01	9.18E-01	1.21E+00	6.33E+00	2.48E-01	8.70E+00
1820	495411.06	3859101.99	4.6642	1.55504	32.822	3.3508	7.63E-01	1.21E+00	6.36E+00	2.47E-01	8.58E+00	7.52E-01	5.22E-05	6.98E-02	7.21E-03	8.29E-01	9.13E-01	1.21E+00	6.36E+00	2.47E-01	8.73E+00
1821	495461.06	3859101.99	4.58534	1.55178	33.841	3.35398	7.50E-01	1.20E+00	6.56E+00	2.47E-01	8.76E+00	7.39E-01	5.21E-05	7.20E-02	7.22E-03	8.18E-01	8.97E-01	1.20E+00	6.56E+00	2.47E-01	8.91E+00
1822	495511.06	3859101.99	4.53564	1.54841	33.753	3.32335	7.42E-01	1.20E+00	6.54E+00	2.45E-01	8.73E+00	7.31E-01	5.20E-05	7.18E-02	7.15E-03	8.10E-01	8.88E-01	1.20E+00	6.54E+00	2.45E-01	8.88E+00
1823	495561.06	3859101.99	4.41239	1.54471	31.838	3.23338	7.22E-01	1.20E+00	6.17E+00	2.38E-01	8.33E+00	7.11E-01	5.19E-05	6.77E-02	6.96E-03	7.86E-01	8.63E-01	1.20E+00	6.17E+00	2.38E-01	8.47E+00
1824	495611.06	3859101.99	4.29423	1.54119	31.154	3.20848	7.02E-01	1.20E+00	6.04E+00	2.36E-01	8.17E+00	6.92E-01	5.18E-05	6.62E-02	6.91E-03	7.65E-01	8.40E-01	1.20E+00	6.04E+00	2.36E-01	8.31E+00
1825	495661.06	3859101.99	4.31091	1.53803	31.439	3.20199	7.05E-01	1.19E+00	6.10E+00	2.36E-01	8.23E+00	6.95E-01	5.17E-05	6.68E-02	6.89E-03	7.68E-01	8.44E-01	1.19E+00	6.10E+00	2.36E-01	8.37E+00
1826	494311.06	3859151.99	8.83925	1.81556	40.85	6.755	1.45E+00	1.41E+00	7.92E+00	4.97E-01	1.13E+01	1.42E+00	6.10E-05	8.69E-02	1.45E-02	1.53E+00	1.73E+00	1.41E+00	7.92E+00	4.97E-01	1.16E+01

1827	494361.06	3859151.99	8.78034	1.81683	40.521	6.69722	1.44E+00	1.41E+00	7.86E+00	4.93E-01	1.12E+01	1.41E+00	6.10E-05	8.62E-02	1.44E-02	1.52E+00	1.72E+00	1.41E+00	7.86E+00	4.93E-01	1.15E+01
1828	494411.06	3859151.99	8.60403	1.79353	40.356	6.55967	1.41E+00	1.39E+00	7.83E+00	4.83E-01	1.11E+01	1.39E+00	6.02E-05	8.58E-02	1.41E-02	1.49E+00	1.68E+00	1.39E+00	7.83E+00	4.83E-01	1.14E+01
1829	494461.06	3859151.99	8.41687	1.77476	40.206	6.40186	1.38E+00	1.38E+00	7.80E+00	4.71E-01	1.10E+01	1.36E+00	5.96E-05	8.55E-02	1.38E-02	1.46E+00	1.65E+00	1.38E+00	7.80E+00	4.71E-01	1.13E+01
1830	494511.06	3859151.99	8.16151	1.76191	40.064	6.21147	1.33E+00	1.37E+00	7.77E+00	4.57E-01	1.09E+01	1.32E+00	5.92E-05	8.52E-02	1.34E-02	1.41E+00	1.60E+00	1.37E+00	7.77E+00	4.57E-01	1.12E+01
1831	494561.06	3859151.99	8.00638	1.75725	39.765	6.0919	1.31E+00	1.36E+00	7.71E+00	4.49E-01	1.08E+01	1.29E+00	5.90E-05	8.45E-02	1.31E-02	1.39E+00	1.57E+00	1.36E+00	7.71E+00	4.49E-01	1.11E+01
1832	494611.06	3859151.99	7.7332	1.75287	39.368	5.88633	1.26E+00	1.36E+00	7.63E+00	4.33E-01	1.07E+01	1.25E+00	5.89E-05	8.37E-02	1.27E-02	1.34E+00	1.51E+00	1.36E+00	7.63E+00	4.33E-01	1.09E+01
1833	494661.06	3859151.99	7.55448	1.75324	38.927	5.73561	1.24E+00	1.36E+00	7.55E+00	4.22E-01	1.06E+01	1.22E+00	5.89E-05	8.28E-02	1.23E-02	1.31E+00	1.48E+00	1.36E+00	7.55E+00	4.22E-01	1.08E+01
1834	494711.06	3859151.99	7.39629	1.75372	38.491	5.59828	1.21E+00	1.36E+00	7.46E+00	4.12E-01	1.04E+01	1.19E+00	5.89E-05	8.18E-02	1.21E-02	1.29E+00	1.45E+00	1.36E+00	7.46E+00	4.12E-01	1.07E+01
1835	494761.06	3859151.99	7.05638	1.75343	37.706	5.30369	1.15E+00	1.36E+00	7.31E+00	3.90E-01	1.02E+01	1.14E+00	5.89E-05	8.02E-02	1.14E-02	1.23E+00	1.38E+00	1.36E+00	7.31E+00	3.90E-01	1.04E+01
1836	494811.06	3859151.99	6.7632	1.75316	36.878	5.03643	1.11E+00	1.36E+00	7.15E+00	3.71E-01	9.99E+00	1.09E+00	5.89E-05	7.84E-02	1.08E-02	1.18E+00	1.32E+00	1.36E+00	7.15E+00	3.71E-01	1.02E+01
1837	494861.06	3859151.99	6.56884	1.75301	36.378	4.85688	1.07E+00	1.36E+00	7.05E+00	3.58E-01	9.85E+00	1.06E+00	5.89E-05	7.73E-02	1.05E-02	1.15E+00	1.29E+00	1.36E+00	7.05E+00	3.58E-01	1.01E+01
1838	494911.06	3859151.99	6.20571	1.75228	34.984	4.53169	1.02E+00	1.36E+00	6.78E+00	3.34E-01	9.49E+00	1.00E+00	5.89E-05	7.44E-02	9.76E-03	1.08E+00	1.21E+00	1.36E+00	6.78E+00	3.34E-01	9.69E+00
1839	494961.06	3859151.99	5.71926	1.54887	33.516	4.22937	9.35E-01	1.20E+00	6.50E+00	3.11E-01	8.95E+00	9.22E-01	5.20E-05	7.13E-02	9.10E-03	1.00E+00	1.12E+00	1.20E+00	6.50E+00	3.11E-01	9.13E+00
1840	495011.06	3859151.99	5.23291	1.54489	30.363	3.71251	8.56E-01	1.20E+00	5.89E+00	2.73E-01	8.22E+00	8.43E-01	5.19E-05	6.46E-02	7.99E-03	9.16E-01	1.02E+00	1.20E+00	5.89E+00	2.73E-01	8.38E+00
1841	495061.06	3859151.99	5.19032	1.54203	30.446	3.68441	8.49E-01	1.20E+00	5.90E+00	2.71E-01	8.22E+00	8.36E-01	5.18E-05	6.47E-02	7.93E-03	9.09E-01	1.02E+00	1.20E+00	5.90E+00	2.71E-01	8.39E+00
1842	495111.06	3859151.99	5.12675	1.53909	30.45	3.62475	8.39E-01	1.19E+00	5.90E+00	2.67E-01	8.20E+00	8.26E-01	5.17E-05	6.47E-02	7.80E-03	8.99E-01	1.00E+00	1.19E+00	5.90E+00	2.67E-01	8.37E+00
1843	495161.06	3859151.99	5.25512	1.53661	31.447	3.69677	8.60E-01	1.19E+00	6.10E+00	2.72E-01	8.42E+00	8.47E-01	5.16E-05	6.69E-02	7.96E-03	9.22E-01	1.03E+00	1.19E+00	6.10E+00	2.72E-01	8.59E+00
1844	495211.06	3859151.99	5.21752	1.5338	31.629	3.6477	8.53E-01	1.19E+00	6.13E+00	2.69E-01	8.44E+00	8.41E-01	5.15E-05	6.72E-02	7.85E-03	9.16E-01	1.02E+00	1.19E+00	6.13E+00	2.69E-01	8.61E+00
1845	495261.06	3859151.99	5.18026	1.53098	31.815	3.60201	8.47E-01	1.19E+00	6.17E+00	2.65E-01	8.47E+00	8.35E-01	5.14E-05	6.76E-02	7.75E-03	9.10E-01	1.01E+00	1.19E+00	6.17E+00	2.65E-01	8.64E+00
1846	495311.06	3859151.99	5.16053	1.52822	32.099	3.57099	8.44E-01	1.19E+00	6.22E+00	2.63E-01	8.52E+00	8.32E-01	5.13E-05	6.82E-02	7.69E-03	9.08E-01	1.01E+00	1.19E+00	6.22E+00	2.63E-01	8.68E+00
1847	495361.06	3859151.99	5.12058	1.52544	32.283	3.52951	8.38E-01	1.18E+00	6.26E+00	2.60E-01	8.54E+00	8.25E-01	5.12E-05	6.86E-02	7.60E-03	9.01E-01	1.00E+00	1.18E+00	6.26E+00	2.60E-01	8.71E+00
1848	495411.06	3859151.99	5.21025	1.52298	33.202	3.57936	8.52E-01	1.18E+00	6.44E+00	2.64E-01	8.74E+00	8.40E-01	5.12E-05	7.06E-02	7.71E-03	9.18E-01	1.02E+00	1.18E+00	6.44E+00	2.64E-01	8.90E+00
1849	495461.06	3859151.99	5.16808	1.52027	33.405	3.54251	8.45E-01	1.18E+00	6.48E+00	2.61E-01	8.76E+00	8.33E-01	5.11E-05	7.10E-02	7.63E-03	9.11E-01	1.01E+00	1.18E+00	6.48E+00	2.61E-01	8.93E+00
1850	495511.06	3859151.99	5.00264	1.51728	32.897	3.42533	8.18E-01	1.18E+00	6.38E+00	2.52E-01	8.63E+00	8.06E-01	5.10E-05	6.99E-02	7.37E-03	8.83E-01	9.79E-01	1.18E+00	6.38E+00	2.52E-01	8.79E+00
1851	495561.06	3859151.99	4.89842	1.51441	32.641	3.35572	8.01E-01	1.17E+00	6.33E+00	2.47E-01	8.55E+00	7.89E-01	5.09E-05	6.94E-02	7.22E-03	8.66E-01	9.59E-01	1.17E+00	6.33E+00	2.47E-01	8.71E+00
1852	495611.06	3859151.99	4.81039	1.51159	32.465	3.31308	7.87E-01	1.17E+00	6.30E+00	2.44E-01	8.50E+00	7.75E-01	5.08E-05	6.90E-02	7.13E-03	8.51E-01	9.41E-01	1.17E+00	6.30E+00	2.44E-01	8.65E+00
1853	495661.06	3859151.99	4.74541	1.50881	32.365	3.27613	7.76E-01	1.17E+00	6.28E+00	2.41E-01	8.46E+00	7.65E-01	5.07E-05	6.88E-02	7.05E-03	8.41E-01	9.29E-01	1.17E+00	6.28E+00	2.41E-01	8.62E+00
1854	494311.06	3859201.99	9.2291	1.84979	40.945	7.07292	1.51E+00	1.43E+00	7.94E+00	5.21E-01	1.14E+01	1.49E+00	6.21E-05	8.71E-02	1.52E-02	1.59E+00	1.81E+00	1.43E+00	7.94E+00	5.21E-01	1.17E+01
1855	494361.06	3859201.99	9.14083	1.84214	40.568	7.01772	1.50E+00	1.43E+00	7.87E+00	5.17E-01	1.13E+01	1.47E+00	6.19E-05	8.63E-02	1.51E-02	1.57E+00	1.79E+00	1.43E+00	7.87E+00	5.17E-01	1.16E+01
1856	494411.06	3859201.99	9.00768	1.82345	40.318	6.93874	1.47E+00	1.41E+00	7.82E+00	5.11E-01	1.12E+01	1.45E+00	6.13E-05	8.57E-02	1.49E-02	1.55E+00	1.76E+00	1.41E+00	7.82E+00	5.11E-01	1.15E+01
1857	494461.06	3859201.99	8.79631	1.78769	40.222	6.80534	1.44E+00	1.39E+00	7.80E+00	5.01E-01	1.11E+01	1.42E+00	6.01E-05	8.55E-02	1.47E-02	1.52E+00	1.72E+00	1.39E+00	7.80E+00	5.01E-01	1.14E+01
1858	494511.06	3859201.99	8.65183	1.77006	39.886	6.69494	1.42E+00	1.37E+00	7.73E+00	4.93E-01	1.10E+01	1.39E+00	5.95E-05	8.48E-02	1.44E-02	1.49E+00	1.69E+00	1.37E+00	7.73E+00	4.93E-01	1.13E+01
1859	494561.06	3859201.99	8.39446	1.74194	39.893	6.48623	1.37E+00	1.35E+00	7.74E+00	4.78E-01	1.09E+01	1.35E+00	5.85E-05	8.48E-02	1.40E-02	1.45E+00	1.64E+00	1.35E+00	7.74E+00	4.78E-01	1.12E+01
1860	494611.06	3859201.99	8.18651	1.72732	39.627	6.29753	1.34E+00	1.34E+00	7.68E+00	4.64E-01	1.08E+01	1.32E+00	5.80E-05	8.43E-02	1.36E-02	1.42E+00	1.60E+00	1.34E+00	7.68E+00	4.64E-01	1.11E+01
1861	494661.06	3859201.99	8.01827	1.71883	39.335	6.1351	1.31E+00	1.33E+00	7.63E+00	4.52E-01	1.07E+01	1.29E+00	5.77E-05	8.36E-02	1.32E-02	1.39E+00	1.57E+00	1.33E+00	7.63E+00	4.52E-01	1.10E+01
1862	494711.06	3859201.99	7.84313	1.71333	39.01	5.98885	1.28E+00	1.33E+00	7.56E+00	4.41E-01	1.06E+01	1.26E+00	5.76E-05	8.29E-02	1.29E-02	1.36E+00	1.53E+00	1.33E+00	7.56E+00	4.41E-01	1.09E+01
1863	494761.06	3859201.99	7.53965	1.71271	38.531	5.74652	1.23E+00	1.33E+00	7.47E+00	4.23E-01	1.05E+01	1.21E+00	5.75E-05	8.19E-02	1.24E-02	1.31E+00	1.48E+00	1.33E+00	7.47E+00	4.23E-01	1.07E+01
1864	494811.06	3859201.99	7.28103	1.71376	37.937	5.52096	1.19E+00	1.33E+00	7.36E+00	4.06E-01	1.03E+01	1.17E+00	5.76E-05	8.07E-02	1.19E-02	1.27E+00	1.42E+00	1.33E+00	7.36E+00	4.06E-01	1.05E+01
1865	494861.06	3859201.99	6.97274	1.71471	37.479	5.3555	1.14E+00	1.33E+00	7.27E+00	3.94E-01	1.01E+01	1.12E+00	5.76E-05	7.97E-02	1.15E-02	1.21E+00	1.36E+00	1.33E+00	7.27E+00	3.94E-01	1.04E+01
1866	494911.06	3859201.99	6.56781	1.71485	35.846	4.85232	1.07E+00	1.33E+00	6.95E+00	3.57E-01	9.71E+00	1.06E+00	5.76E-05	7.62E-02	1.04E-02	1.15E+00	1.29E+00	1.33E+00	6.95E+00	3.57E-01	9.92E+00
1867	494961.06	3859201.99	6.13033	1.71507	34.209	4.44092	1.00E+00	1.33E+00	6.63E+00	3.27E-01	9.29E+00	9.88E-01	5.76E-05	7.27E-02	9.56E-03	1.07E+00	1.20E+00	1.33E+00	6.63E+00	3.27E-01	9.49E+00
1868	495011.06	3859201.99	5.53799	1.5079	31.794	3.96642	9.06E-01	1.17E+00	6.17E+00	2.92E-01	8.53E+00	8.92E-01	5.07E-05	6.76E-02	8.54E-03	9.69E-01	1.08E+00	1.17E+00	6.17E+00	2.92E-01	8.71E+00
1869	495061.06	3859201.99	5.76149	1.50629	32.57	4.12128	9.42E-01	1.17E+00	6.32E+00	3.03E-01	8.73E+00	9.28E-01	5.06E-05	6.92E-02	8.87E-03	1.01E+00	1.13E+00	1.17E+00	6.32E+00	3.03E-01	8.91E+00
1870	495111.06	3859201.99	5.75302	1.50426	32.476	4.10781	9.41E-01	1.17E+00	6.30E+00	3.02E-01	8.71E+00	9.27E-01	5.05E-05	6.91E-02	8.84E-03	1.00E+00	1.13E+00	1.17E+00	6.30E+00	3.02E-01	8.89E+00
1871	495161.06	3859201.99	5.70953	1.50215	32.251	4.06848	9.34E-01	1.17E+00	6.25E+00	3.00E-01	8.65E+00	9.20E-01	5.05E-05	6.86E-02	8.76E-03	9.97E-01	1.12E+00	1.17E+00	6.25E+00	3.00E-01	8.84E+00
1872	495211.06	3859201.99	5.59467	1.49987	31.672	3.9596	9.15E-01	1.16E+00	6.14E+00	2.92E-01	8.51E+00	9.01E-01	5.04E-05	6.73E-02	8.52E-03	9.77E-01	1.09E+00	1.16E+00	6.14E+00	2.92E-01	8.69E+00
1873	495261.06	3859201.99	5.62365	1.49788	31.763	3.94954	9.20E-01	1.16E+00	6.16E+00	2.91E-01	8.53E+00	9.06E-01	5.03E-05	6.75E-02	8.50E-03	9.82E-01	1.10E+00	1.16E+00	6.16E+00	2.91E-01	8.71E+00
1874	495311.06	3859201.99	5.6134	1.4958	31.645	3.90522	9.18E-01	1.16E+00	6.14E+00	2.88E-01	8.50E+00	9.04E-01	5.02E-05	6.73E-02	8.41E-03	9.80E-01	1.10E+00	1.16E+00	6.14E+00	2.88E-01	8.68E+00
1875	495361.06	3859201.99	5.6181	1.49378	31.697	3.87972	9.19E-01	1.16E+00	6.15E+00	2.86E-01	8.51E+00	9.05E-01	5.02E-05	6.74E-02	8.35E-03	9.81E-01	1.10E+00	1.16E+00	6.15E+00	2.86E-01	8.69E+00
1876	495411.06	3859201.99	5.69256	1.72059	32.237	3.9149	9.31E-01	1.33E+00	6.25E+00	2.88E-01	8.80E+00	9.17E-01	5.78E-05	6.85E-02	8.43E-03	9.94E-01	1.11E+00	1.33E+00	6.25E+00	2.88E-01	8.99E+00
1877	495461.06	3859201.99	5.62791	1.72047	32.288	3.84056	9.21E-01	1.33E+00	6.26E+00	2.83E-01	8.80E+00	9.07E-01	5.78E-05	6.87E-02	8.27E-03	9.84E-01	1.10E+00	1.33E+00	6.26E+00	2.83E-01	8.98E+00
1878	495511.06	3859201.99	5.56053	1.48766	32.458	3.77458	9.09E-01	1.15E+00	6.29E+00	2.78E-01	8.64E+00	8.96E-01	5.00E-05	6.90E-02	8.13E-03	9.73E-01	1.09E+00	1.15E+00	6.29E+00	2.78E-01	8.81E+00
1879	495561.06	3859201.99	5.38358	1.48529	32.095	3.63738	8.81E-01	1.15E+00	6.22E+00	2.68E-01	8.52E+00	8.67E-01	4.99E-05	6.82E-02	7.83E-03	9.44E-01	1.05E+00	1.15E+00	6.22E+00	2.68E-01	8.70E+00
1880	495611.06	3859201.99	5.25896	1.48306	31.957	3.54346	8.60E-01	1.15E+00	6.20E+00	2.61E-01	8.47E+00	8.47E-01	4.98E-05	6.79E-02	7.63E-03	9.23E-01	1.03E+00	1.15E+00	6.20E+00	2.61E-01	8.64E+00
1881	495661.06	3859201.99	5.18554	1.48094	32.024	3.48452	8.48E-01	1.15E+00	6.21E+00	2.57E-01	8.46E+00	8.36E-01	4.97E-05	6.81E-02	7.50E-03	9.11E-01	1.01E+00	1.15E+00	6.21E+00	2.57E-01	8.63E+00
1882	494311.06	3859251.99	9.54809	1.91047	40.505	7.20882	1.56E+00	1.48E+00	7.85E+00	5.31E-01	1.14E+01	1.54E+00	6.42E-05	8.61E-02	1.55E-02	1.64E+00	1.87E+00	1.48E+00	7.85E+00	5.31E-01	1.17E+01
1883	494361.06	3859251.99	9.42064	1.88057	40.53	7.18767	1.54E+00	1.46E+00	7.86E+00	5.29E-01	1.14E+01	1.52E+00	6.32E-05	8.62E-02	1.55E-02	1.62E+00	1.84E+00	1.46E+00	7.86E+00	5.29E-01	1.17E+01
1884	494411.06	3859251.99	9.2418	1.83379	40.768	7.13831	1.51E+00	1.42E+00	7.91E+00	5.26E-01	1.14E+01	1.49E+00	6.16E-05	8.67E-02	1.54E-02	1.59E+00	1.81E+00	1.42E+00	7.91E+00	5.26E-01	1.17E+01
1885	494461.06	3859251.99	9.1212	1.81077	40.609	7.08152	1.49E+00	1.40E+00	7.87E+00	5.21E-01	1.13E+01	1.47E+00	6.08E-05	8.63E-02	1.52E-02	1.57E+00	1.78E+00	1.40E+00	7.87E+00	5.21E-01	1.16E+01
1886	494511.06	3859251.99	8.89777	1.76569	40.716	6.96335	1.46E+00	1.37E+00	7.90E+00	5.13E-01	1.12E+01	1.43E+00	5.93E-05	8.66E-02	1.50E-02	1.54E+00	1.74E+00	1.37E+00	7.90E+00	5.13E-01	1.15E+01
1887	494561.06	3859251.99	8.74946	1.74537	40.466	6.86124	1.43E+00	1.35E+00	7.85E+00	5.05E-01	1.11E+01	1.41E+00	5.86E-05	8.60E-02	1.48E-02	1.51E+00	1.71E+00	1.35E+00	7.85E+00	5.05E-01	1.14E+01

1888	494611.06	3859251.99	8.53926	1.72163	40.253	6.70141	1.40E+00	1.34E+00	7.81E+00	4.93E-01	1.10E+01	1.38E+00	5.78E-05	8.56E-02	1.44E-02	1.48E+00	1.67E+00	1.34E+00	7.81E+00	4.93E-01	1.13E+01
1889	494661.06	3859251.99	8.42777	1.71707	39.809	6.60609	1.38E+00	1.33E+00	7.72E+00	4.86E-01	1.09E+01	1.36E+00	5.77E-05	8.46E-02	1.42E-02	1.46E+00	1.65E+00	1.33E+00	7.72E+00	4.86E-01	1.12E+01
1890	494711.06	3859251.99	8.26357	1.70685	39.356	6.46085	1.35E+00	1.32E+00	7.63E+00	4.76E-01	1.08E+01	1.33E+00	5.73E-05	8.37E-02	1.39E-02	1.43E+00	1.62E+00	1.32E+00	7.63E+00	4.76E-01	1.10E+01
1891	494761.06	3859251.99	7.81257	1.67216	39.072	6.14579	1.28E+00	1.30E+00	7.58E+00	4.52E-01	1.06E+01	1.26E+00	5.62E-05	8.31E-02	1.32E-02	1.36E+00	1.53E+00	1.30E+00	7.58E+00	4.52E-01	1.09E+01
1892	494811.06	3859251.99	7.7464	1.67479	38.521	5.94615	1.27E+00	1.30E+00	7.47E+00	4.38E-01	1.05E+01	1.25E+00	5.63E-05	8.19E-02	1.28E-02	1.34E+00	1.52E+00	1.30E+00	7.47E+00	4.38E-01	1.07E+01
1893	494861.06	3859251.99	7.32381	1.67639	38.076	5.70613	1.20E+00	1.30E+00	7.38E+00	4.20E-01	1.03E+01	1.18E+00	5.63E-05	8.10E-02	1.23E-02	1.27E+00	1.43E+00	1.30E+00	7.38E+00	4.20E-01	1.05E+01
1894	494911.06	3859251.99	6.90617	1.67771	36.618	5.17429	1.13E+00	1.30E+00	7.10E+00	3.81E-01	9.91E+00	1.11E+00	5.64E-05	7.79E-02	1.11E-02	1.20E+00	1.35E+00	1.30E+00	7.10E+00	3.81E-01	1.01E+01
1895	494961.06	3859251.99	6.6987	1.67975	35.92	4.96834	1.10E+00	1.30E+00	6.97E+00	3.66E-01	9.73E+00	1.08E+00	5.64E-05	7.64E-02	1.07E-02	1.17E+00	1.31E+00	1.30E+00	6.97E+00	3.66E-01	9.94E+00
1896	495011.06	3859251.99	6.43958	1.68154	34.998	4.70925	1.05E+00	1.30E+00	6.79E+00	3.47E-01	9.49E+00	1.04E+00	5.65E-05	7.44E-02	1.01E-02	1.12E+00	1.26E+00	1.30E+00	6.79E+00	3.47E-01	9.70E+00
1897	495061.06	3859251.99	6.45085	1.68406	34.979	4.72491	1.06E+00	1.31E+00	6.78E+00	3.48E-01	9.49E+00	1.04E+00	5.66E-05	7.44E-02	1.02E-02	1.12E+00	1.26E+00	1.31E+00	6.78E+00	3.48E-01	9.70E+00
1898	495111.06	3859251.99	6.34242	1.68604	34.561	4.62315	1.04E+00	1.31E+00	6.70E+00	3.40E-01	9.39E+00	1.02E+00	5.66E-05	7.35E-02	9.95E-03	1.11E+00	1.24E+00	1.31E+00	6.70E+00	3.40E-01	9.59E+00
1899	495161.06	3859251.99	6.28757	1.6881	34.318	4.5742	1.03E+00	1.31E+00	6.65E+00	3.37E-01	9.33E+00	1.01E+00	5.67E-05	7.30E-02	9.85E-03	1.10E+00	1.23E+00	1.31E+00	6.65E+00	3.37E-01	9.53E+00
1900	495211.06	3859251.99	6.17217	1.68986	33.841	4.46019	1.01E+00	1.31E+00	6.56E+00	3.28E-01	9.21E+00	9.95E-01	5.68E-05	7.20E-02	9.60E-03	1.08E+00	1.21E+00	1.31E+00	6.56E+00	3.28E-01	9.41E+00
1901	495261.06	3859251.99	6.13333	1.69183	34.2	4.56867	1.00E+00	1.31E+00	6.63E+00	3.36E-01	9.28E+00	9.88E-01	5.68E-05	7.27E-02	9.84E-03	1.07E+00	1.20E+00	1.31E+00	6.63E+00	3.36E-01	9.48E+00
1902	495311.06	3859251.99	6.10567	1.6934	33.522	4.41326	9.99E-01	1.31E+00	6.50E+00	3.25E-01	9.14E+00	9.84E-01	5.69E-05	7.13E-02	9.50E-03	1.06E+00	1.19E+00	1.31E+00	6.50E+00	3.25E-01	9.33E+00
1903	495361.06	3859251.99	6.07676	1.69489	33.2	4.35048	9.94E-01	1.31E+00	6.44E+00	3.20E-01	9.07E+00	9.79E-01	5.69E-05	7.06E-02	9.37E-03	1.06E+00	1.19E+00	1.31E+00	6.44E+00	3.20E-01	9.26E+00
1904	495411.06	3859251.99	6.13841	1.6965	33.193	4.36318	1.00E+00	1.32E+00	6.44E+00	3.21E-01	9.08E+00	9.89E-01	5.70E-05	7.06E-02	9.39E-03	1.07E+00	1.20E+00	1.32E+00	6.44E+00	3.21E-01	9.27E+00
1905	495461.06	3859251.99	6.09096	1.69759	32.96	4.29089	9.96E-01	1.32E+00	6.39E+00	3.16E-01	9.02E+00	9.81E-01	5.70E-05	7.01E-02	9.24E-03	1.06E+00	1.19E+00	1.32E+00	6.39E+00	3.16E-01	9.22E+00
1906	495511.06	3859251.99	5.92758	1.69822	32.293	4.12826	9.70E-01	1.32E+00	6.26E+00	3.04E-01	8.85E+00	9.55E-01	5.70E-05	6.87E-02	8.89E-03	1.03E+00	1.16E+00	1.32E+00	6.26E+00	3.04E-01	9.04E+00
1907	495561.06	3859251.99	5.84342	1.69897	31.934	4.03407	9.56E-01	1.32E+00	6.19E+00	2.97E-01	8.76E+00	9.42E-01	5.71E-05	6.79E-02	8.68E-03	1.02E+00	1.14E+00	1.32E+00	6.19E+00	2.97E-01	8.95E+00
1908	495611.06	3859251.99	5.69627	1.69935	31.315	3.89126	9.32E-01	1.32E+00	6.07E+00	2.86E-01	8.61E+00	9.18E-01	5.71E-05	6.66E-02	8.38E-03	9.93E-01	1.11E+00	1.32E+00	6.07E+00	2.86E-01	8.79E+00
1909	495661.06	3859251.99	5.60306	1.69981	30.936	3.79732	9.16E-01	1.32E+00	6.00E+00	2.80E-01	8.51E+00	9.03E-01	5.71E-05	6.58E-02	8.17E-03	9.77E-01	1.10E+00	1.32E+00	6.00E+00	2.80E-01	8.69E+00
1910	494311.06	3859301.99	9.75938	2.04272	39.153	7.16203	1.60E+00	1.58E+00	7.59E+00	5.27E-01	1.13E+01	1.57E+00	6.86E-05	8.32E-02	1.54E-02	1.67E+00	1.91E+00	1.58E+00	7.59E+00	5.27E-01	1.16E+01
1911	494361.06	3859301.99	9.65601	1.99782	39.572	7.19943	1.58E+00	1.55E+00	7.67E+00	5.30E-01	1.13E+01	1.56E+00	6.71E-05	8.41E-02	1.55E-02	1.66E+00	1.89E+00	1.55E+00	7.67E+00	5.30E-01	1.16E+01
1912	494411.06	3859301.99	9.50441	1.93256	40.163	7.22585	1.55E+00	1.50E+00	7.79E+00	5.32E-01	1.14E+01	1.53E+00	6.49E-05	8.54E-02	1.56E-02	1.63E+00	1.86E+00	1.50E+00	7.79E+00	5.32E-01	1.17E+01
1913	494461.06	3859301.99	9.33596	1.86866	40.565	7.21391	1.53E+00	1.45E+00	7.87E+00	5.31E-01	1.14E+01	1.50E+00	6.28E-05	8.62E-02	1.55E-02	1.61E+00	1.83E+00	1.45E+00	7.87E+00	5.31E-01	1.17E+01
1914	494511.06	3859301.99	9.17656	1.82497	40.739	7.17042	1.50E+00	1.42E+00	7.90E+00	5.28E-01	1.13E+01	1.48E+00	6.13E-05	8.66E-02	1.54E-02	1.58E+00	1.80E+00	1.42E+00	7.90E+00	5.28E-01	1.16E+01
1915	494561.06	3859301.99	9.05424	1.7973	40.67	7.11553	1.48E+00	1.39E+00	7.89E+00	5.24E-01	1.13E+01	1.46E+00	6.04E-05	8.65E-02	1.53E-02	1.56E+00	1.77E+00	1.39E+00	7.89E+00	5.24E-01	1.16E+01
1916	494611.06	3859301.99	8.90509	1.76484	40.603	7.03581	1.46E+00	1.37E+00	7.87E+00	5.18E-01	1.12E+01	1.43E+00	5.93E-05	8.63E-02	1.51E-02	1.54E+00	1.74E+00	1.37E+00	7.87E+00	5.18E-01	1.15E+01
1917	494661.06	3859301.99	8.75007	1.73396	40.456	6.93699	1.43E+00	1.35E+00	7.84E+00	5.11E-01	1.11E+01	1.41E+00	5.82E-05	8.60E-02	1.49E-02	1.51E+00	1.71E+00	1.35E+00	7.84E+00	5.11E-01	1.14E+01
1918	494711.06	3859301.99	8.54998	1.69929	40.304	6.78857	1.40E+00	1.32E+00	7.82E+00	5.00E-01	1.10E+01	1.38E+00	5.71E-05	8.57E-02	1.46E-02	1.48E+00	1.67E+00	1.32E+00	7.82E+00	5.00E-01	1.13E+01
1919	494761.06	3859301.99	8.36459	1.68274	40.005	6.63353	1.37E+00	1.31E+00	7.76E+00	4.88E-01	1.09E+01	1.35E+00	5.65E-05	8.51E-02	1.43E-02	1.45E+00	1.64E+00	1.31E+00	7.76E+00	4.88E-01	1.12E+01
1920	494811.06	3859301.99	8.07753	1.65887	39.623	6.36322	1.32E+00	1.29E+00	7.68E+00	4.68E-01	1.08E+01	1.30E+00	5.57E-05	8.42E-02	1.37E-02	1.40E+00	1.58E+00	1.29E+00	7.68E+00	4.68E-01	1.10E+01
1921	494861.06	3859301.99	7.649	1.63981	38.634	5.90378	1.25E+00	1.27E+00	7.49E+00	4.35E-01	1.04E+01	1.23E+00	5.51E-05	8.21E-02	1.27E-02	1.33E+00	1.50E+00	1.27E+00	7.49E+00	4.35E-01	1.07E+01
1922	494911.06	3859301.99	7.43316	1.64283	37.722	5.66291	1.22E+00	1.27E+00	7.31E+00	4.17E-01	1.02E+01	1.20E+00	5.52E-05	8.02E-02	1.22E-02	1.29E+00	1.45E+00	1.27E+00	7.31E+00	4.17E-01	1.05E+01
1923	494961.06	3859301.99	6.97105	1.64516	36.636	5.28339	1.14E+00	1.28E+00	7.10E+00	3.89E-01	9.91E+00	1.12E+00	5.53E-05	7.79E-02	1.14E-02	1.21E+00	1.36E+00	1.28E+00	7.10E+00	3.89E-01	1.01E+01
1924	495011.06	3859301.99	6.80775	1.6483	36.016	5.1288	1.11E+00	1.28E+00	6.98E+00	3.78E-01	9.75E+00	1.10E+00	5.54E-05	7.66E-02	1.10E-02	1.18E+00	1.33E+00	1.28E+00	6.98E+00	3.78E-01	9.97E+00
1925	495061.06	3859301.99	7.03676	1.65256	36.703	5.4264	1.15E+00	1.28E+00	7.12E+00	4.00E-01	9.95E+00	1.13E+00	5.55E-05	7.80E-02	1.17E-02	1.22E+00	1.38E+00	1.28E+00	7.12E+00	4.00E-01	1.02E+01
1926	495111.06	3859301.99	6.7805	1.65508	35.798	5.10561	1.11E+00	1.28E+00	6.94E+00	3.76E-01	9.71E+00	1.09E+00	5.56E-05	7.61E-02	1.10E-02	1.18E+00	1.33E+00	1.28E+00	6.94E+00	3.76E-01	9.93E+00
1927	495161.06	3859301.99	6.73247	1.65822	35.373	4.9858	1.10E+00	1.29E+00	6.86E+00	3.67E-01	9.61E+00	1.08E+00	5.57E-05	7.52E-02	1.07E-02	1.17E+00	1.32E+00	1.29E+00	6.86E+00	3.67E-01	9.83E+00
1928	495211.06	3859301.99	6.77063	1.66157	35.427	5.0358	1.11E+00	1.29E+00	6.87E+00	3.71E-01	9.64E+00	1.09E+00	5.58E-05	7.53E-02	1.08E-02	1.18E+00	1.32E+00	1.29E+00	6.87E+00	3.71E-01	9.85E+00
1929	495261.06	3859301.99	6.73691	1.6646	35.288	5.01855	1.10E+00	1.29E+00	6.84E+00	3.69E-01	9.61E+00	1.09E+00	5.59E-05	7.50E-02	1.08E-02	1.17E+00	1.32E+00	1.29E+00	6.84E+00	3.69E-01	9.82E+00
1930	495311.06	3859301.99	6.56961	1.66699	34.762	4.85514	1.07E+00	1.29E+00	6.74E+00	3.57E-01	9.47E+00	1.06E+00	5.60E-05	7.39E-02	1.05E-02	1.14E+00	1.29E+00	1.29E+00	6.74E+00	3.57E-01	9.68E+00
1931	495361.06	3859301.99	6.56081	1.66983	34.668	4.85593	1.07E+00	1.30E+00	6.72E+00	3.58E-01	9.45E+00	1.06E+00	5.61E-05	7.37E-02	1.05E-02	1.14E+00	1.28E+00	1.30E+00	6.72E+00	3.58E-01	9.66E+00
1932	495411.06	3859301.99	6.49618	1.67243	34.422	4.80138	1.06E+00	1.30E+00	6.67E+00	3.53E-01	9.39E+00	1.05E+00	5.62E-05	7.32E-02	1.03E-02	1.13E+00	1.27E+00	1.30E+00	6.67E+00	3.53E-01	9.60E+00
1933	495461.06	3859301.99	6.47512	1.67485	34.217	4.76339	1.06E+00	1.30E+00	6.63E+00	3.51E-01	9.34E+00	1.04E+00	5.63E-05	7.28E-02	1.03E-02	1.13E+00	1.27E+00	1.30E+00	6.63E+00	3.51E-01	9.55E+00
1934	495511.06	3859301.99	6.36401	1.67669	33.716	4.62018	1.04E+00	1.30E+00	6.54E+00	3.40E-01	9.22E+00	1.03E+00	5.63E-05	7.17E-02	9.95E-03	1.11E+00	1.25E+00	1.30E+00	6.54E+00	3.40E-01	9.42E+00
1935	495561.06	3859301.99	6.15654	1.67816	32.91	4.37367	1.01E+00	1.30E+00	6.38E+00	3.22E-01	9.01E+00	9.92E-01	5.64E-05	7.00E-02	9.42E-03	1.07E+00	1.20E+00	1.30E+00	6.38E+00	3.22E-01	9.21E+00
1936	495611.06	3859301.99	6.08247	1.67998	32.49	4.27797	9.95E-01	1.30E+00	6.30E+00	3.15E-01	8.91E+00	9.80E-01	5.64E-05	6.91E-02	9.21E-03	1.06E+00	1.19E+00	1.30E+00	6.30E+00	3.15E-01	9.11E+00
1937	495661.06	3859301.99	5.99916	1.68154	32.051	4.19419	9.81E-01	1.30E+00	6.21E+00	3.09E-01	8.81E+00	9.67E-01	5.65E-05	6.81E-02	9.03E-03	1.04E+00	1.17E+00	1.30E+00	6.21E+00	3.09E-01	9.00E+00
1938	494311.06	3859351.99	9.86548	2.16194	37.777	6.99409	1.61E+00	1.68E+00	7.33E+00	5.15E-01	1.11E+01	1.59E+00	7.26E-05	8.03E-02	1.51E-02	1.69E+00	1.93E+00	1.68E+00	7.33E+00	5.15E-01	1.14E+01
1939	494361.06	3859351.99	9.78439	2.11578	38.224	7.0807	1.60E+00	1.64E+00	7.41E+00	5.21E-01	1.12E+01	1.58E+00	7.11E-05	8.13E-02	1.52E-02	1.67E+00	1.91E+00	1.64E+00	7.41E+00	5.21E-01	1.15E+01
1940	494411.06	3859351.99	9.64319	2.03836	39.029	7.18257	1.58E+00	1.58E+00	7.57E+00	5.29E-01	1.13E+01	1.55E+00	6.85E-05	8.30E-02	1.55E-02	1.65E+00	1.89E+00	1.58E+00	7.57E+00	5.29E-01	1.16E+01
1941	494461.06	3859351.99	9.50609	1.978	39.622	7.22848	1.55E+00	1.53E+00	7.68E+00	5.32E-01	1.13E+01	1.53E+00	6.64E-05	8.42E-02	1.56E-02	1.63E+00	1.86E+00	1.53E+00	7.68E+00	5.32E-01	1.16E+01
1942	494511.06	3859351.99	9.38462	1.92728	40.096	7.24021	1.53E+00	1.49E+00	7.77E+00	5.33E-01	1.13E+01	1.51E+00	6.47E-05	8.53E-02	1.56E-02	1.61E+00	1.84E+00	1.50E+00	7.77E+00	5.33E-01	1.16E+01
1943	494561.06	3859351.99	9.28993	1.89708	40.159	7.23038	1.52E+00	1.47E+00	7.79E+00	5.32E-01	1.13E+01	1.50E+00	6.37E-05	8.54E-02	1.56E-02	1.60E+00	1.82E+00	1.47E+00	7.79E+00	5.32E-01	1.16E+01
1944	494611.06	3859351.99	9.16581	1.85674	40.28	7.20369	1.50E+00	1.44E+00	7.81E+00	5.30E-01	1.13E+01	1.48E+00	6.24E-05	8.56E-02	1.55E-02	1.58E+00	1.79E+00	1.44E+00	7.81E+00	5.30E-01	1.16E+01
1945	494661.06	3859351.99	9.03124	1.81223	40.373	7.15534	1.48E+00	1.41E+00	7.83E+00	5.27E-01	1.12E+01	1.46E+00	6.09E-05	8.58E-02	1.54E-02	1.56E+00	1.77E+00	1.41E+00	7.83E+00	5.27E-01	1.15E+01
1946	494711.06	3859351.99	8.84068	1.75611	40.538	7.05958	1.45E+00	1.36E+00	7.86E+00	5.20E-01	1.12E+01	1.42E+00	5.90E-05	8.62E-02	1.52E-02	1.53E+00	1.73E+00	1.36E+00	7.86E+00	5.20E-01	1.15E+01
1947	494761.06	3859351.99	8.58418	1.68051	40.761	7.02368	1.40E+00	1.30E+00	7.90E+00	5.17E-01	1.11E+01	1.38E+00	5.65E-05	8.67E-02	1.51E-02	1.49E+00	1.68E+00	1.30E+00	7.90E+00	5.17E-01	1.14E+01
1948	494811.06	3859351.99	8.15928	1.62908	40.563	6.50326	1.33E+00	1.26E+00	7.87E+00	4.79E-01	1.09E+01	1.31E+00	5.47E-05	8.62E-02	1.40E-02	1.42E+00	1.60E+00	1.26E+00	7.87E+00	4.79E-01	1.12E+01

1949	494861.06	3859351.99	8.00764	1.61806	40.116	6.35099	1.31E+00	1.26E+00	7.78E+00	4.68E-01	1.08E+01	1.29E+00	5.44E-05	8.53E-02	1.37E-02	1.39E+00	1.57E+00	1.26E+00	7.78E+00	4.68E-01	1.11E+01
1950	494911.06	3859351.99	7.90935	1.61714	39.612	6.25392	1.29E+00	1.25E+00	7.68E+00	4.60E-01	1.07E+01	1.27E+00	5.43E-05	8.42E-02	1.35E-02	1.37E+00	1.55E+00	1.25E+00	7.68E+00	4.60E-01	1.09E+01
1951	494961.06	3859351.99	7.71459	1.7845	38.911	6.04601	1.26E+00	1.38E+00	7.55E+00	4.45E-01	1.06E+01	1.24E+00	5.99E-05	8.27E-02	1.30E-02	1.34E+00	1.51E+00	1.38E+00	7.55E+00	4.45E-01	1.09E+01
1952	495011.06	3859351.99	7.57839	1.61873	38.242	5.89971	1.24E+00	1.26E+00	7.42E+00	4.34E-01	1.03E+01	1.22E+00	5.44E-05	8.13E-02	1.27E-02	1.32E+00	1.48E+00	1.26E+00	7.42E+00	4.34E-01	1.06E+01
1953	495061.06	3859351.99	7.67282	1.62346	37.978	6.02786	1.25E+00	1.26E+00	7.36E+00	4.44E-01	1.03E+01	1.24E+00	5.45E-05	8.07E-02	1.30E-02	1.33E+00	1.50E+00	1.26E+00	7.36E+00	4.44E-01	1.06E+01
1954	495111.06	3859351.99	7.50948	1.62722	37.283	5.85556	1.23E+00	1.26E+00	7.23E+00	4.31E-01	1.02E+01	1.21E+00	5.47E-05	7.93E-02	1.26E-02	1.30E+00	1.47E+00	1.26E+00	7.23E+00	4.31E-01	1.04E+01
1955	495161.06	3859351.99	7.43087	1.6312	36.725	5.78448	1.22E+00	1.27E+00	7.12E+00	4.26E-01	1.00E+01	1.20E+00	5.48E-05	7.81E-02	1.25E-02	1.29E+00	1.45E+00	1.27E+00	7.12E+00	4.26E-01	1.03E+01
1956	495211.06	3859351.99	7.33713	1.63503	36.318	5.6975	1.20E+00	1.27E+00	7.04E+00	4.19E-01	9.93E+00	1.18E+00	5.49E-05	7.72E-02	1.23E-02	1.27E+00	1.44E+00	1.27E+00	7.04E+00	4.19E-01	1.02E+01
1957	495261.06	3859351.99	7.2982	1.63892	36.06	5.68448	1.19E+00	1.27E+00	6.99E+00	4.19E-01	9.88E+00	1.18E+00	5.51E-05	7.67E-02	1.22E-02	1.26E+00	1.43E+00	1.27E+00	6.99E+00	4.19E-01	1.01E+01
1958	495311.06	3859351.99	7.14842	1.64232	35.708	5.53387	1.17E+00	1.27E+00	6.92E+00	4.07E-01	9.77E+00	1.15E+00	5.52E-05	7.59E-02	1.19E-02	1.24E+00	1.40E+00	1.27E+00	6.92E+00	4.07E-01	1.00E+01
1959	495361.06	3859351.99	7.05086	1.64586	35.464	5.45415	1.15E+00	1.28E+00	6.88E+00	4.02E-01	9.71E+00	1.14E+00	5.53E-05	7.54E-02	1.17E-02	1.22E+00	1.38E+00	1.28E+00	6.88E+00	4.02E-01	9.93E+00
1960	495411.06	3859351.99	6.99344	1.64933	35.276	5.42476	1.14E+00	1.28E+00	6.84E+00	3.99E-01	9.66E+00	1.13E+00	5.54E-05	7.50E-02	1.17E-02	1.21E+00	1.37E+00	1.28E+00	6.84E+00	3.99E-01	9.89E+00
1961	495461.06	3859351.99	6.9668	1.6529	35.121	5.43001	1.14E+00	1.28E+00	6.81E+00	4.00E-01	9.63E+00	1.12E+00	5.55E-05	7.47E-02	1.17E-02	1.21E+00	1.36E+00	1.28E+00	6.81E+00	4.00E-01	9.86E+00
1962	495511.06	3859351.99	6.76327	1.65563	34.666	5.20139	1.11E+00	1.28E+00	6.72E+00	3.83E-01	9.50E+00	1.09E+00	5.56E-05	7.37E-02	1.12E-02	1.17E+00	1.32E+00	1.28E+00	6.72E+00	3.83E-01	9.71E+00
1963	495561.06	3859351.99	6.61402	1.65833	34.253	5.0318	1.08E+00	1.29E+00	6.64E+00	3.70E-01	9.38E+00	1.07E+00	5.57E-05	7.28E-02	1.08E-02	1.15E+00	1.29E+00	1.29E+00	6.64E+00	3.70E-01	9.59E+00
1964	495611.06	3859351.99	6.52879	1.66109	33.912	4.91702	1.07E+00	1.29E+00	6.58E+00	3.62E-01	9.29E+00	1.05E+00	5.58E-05	7.21E-02	1.06E-02	1.13E+00	1.28E+00	1.29E+00	6.58E+00	3.62E-01	9.50E+00
1965	495661.06	3859351.99	6.36348	1.66341	33.318	4.6747	1.04E+00	1.29E+00	6.46E+00	3.44E-01	9.14E+00	1.03E+00	5.59E-05	7.08E-02	1.01E-02	1.11E+00	1.25E+00	1.29E+00	6.46E+00	3.44E-01	9.34E+00
1966	494311.06	3859401.99	10.0292	2.59427	35.203	6.71178	1.64E+00	2.01E+00	6.83E+00	4.94E-01	1.10E+01	1.62E+00	8.71E-05	7.48E-02	1.44E-02	1.71E+00	1.96E+00	2.01E+00	6.83E+00	4.94E-01	1.13E+01
1967	494361.06	3859401.99	9.90547	2.22287	36.427	6.88725	1.62E+00	1.72E+00	7.06E+00	5.07E-01	1.09E+01	1.60E+00	7.47E-05	7.75E-02	1.48E-02	1.69E+00	1.94E+00	1.72E+00	7.06E+00	5.07E-01	1.12E+01
1968	494411.06	3859401.99	9.75339	2.1405	37.613	7.02631	1.60E+00	1.66E+00	7.29E+00	5.17E-01	1.11E+01	1.57E+00	7.19E-05	8.00E-02	1.51E-02	1.67E+00	1.91E+00	1.66E+00	7.29E+00	5.17E-01	1.14E+01
1969	494461.06	3859401.99	9.62902	2.088	38.26	7.11667	1.57E+00	1.62E+00	7.42E+00	5.24E-01	1.11E+01	1.55E+00	7.01E-05	8.13E-02	1.53E-02	1.65E+00	1.88E+00	1.62E+00	7.42E+00	5.24E-01	1.14E+01
1970	494511.06	3859401.99	9.57224	2.06368	38.434	7.1571	1.57E+00	1.60E+00	7.45E+00	5.27E-01	1.11E+01	1.54E+00	6.93E-05	8.17E-02	1.54E-02	1.64E+00	1.87E+00	1.60E+00	7.45E+00	5.27E-01	1.15E+01
1971	494561.06	3859401.99	9.48708	2.02731	38.703	7.1977	1.55E+00	1.57E+00	7.50E+00	5.30E-01	1.12E+01	1.53E+00	6.81E-05	8.23E-02	1.55E-02	1.63E+00	1.86E+00	1.57E+00	7.50E+00	5.30E-01	1.15E+01
1972	494611.06	3859401.99	9.36255	1.97439	39.103	7.23021	1.53E+00	1.53E+00	7.58E+00	5.32E-01	1.12E+01	1.51E+00	6.63E-05	8.31E-02	1.56E-02	1.61E+00	1.83E+00	1.53E+00	7.58E+00	5.32E-01	1.15E+01
1973	494661.06	3859401.99	9.27995	1.94535	39.183	7.23462	1.52E+00	1.51E+00	7.60E+00	5.33E-01	1.12E+01	1.50E+00	6.53E-05	8.33E-02	1.56E-02	1.59E+00	1.82E+00	1.51E+00	7.60E+00	5.33E-01	1.15E+01
1974	494711.06	3859401.99	9.16488	1.9034	39.509	7.22517	1.50E+00	1.48E+00	7.66E+00	5.32E-01	1.12E+01	1.48E+00	6.39E-05	8.40E-02	1.56E-02	1.58E+00	1.79E+00	1.48E+00	7.66E+00	5.32E-01	1.15E+01
1975	494761.06	3859401.99	8.92785	1.78996	40.345	7.3663	1.46E+00	1.39E+00	7.82E+00	5.42E-01	1.12E+01	1.44E+00	6.01E-05	8.58E-02	1.59E-02	1.54E+00	1.75E+00	1.39E+00	7.82E+00	5.42E-01	1.15E+01
1976	494811.06	3859401.99	8.71455	1.73465	40.454	7.03446	1.43E+00	1.35E+00	7.84E+00	5.18E-01	1.11E+01	1.40E+00	5.83E-05	8.60E-02	1.51E-02	1.51E+00	1.71E+00	1.35E+00	7.84E+00	5.18E-01	1.14E+01
1977	494861.06	3859401.99	8.43455	1.66645	40.57	6.81961	1.38E+00	1.29E+00	7.87E+00	5.02E-01	1.10E+01	1.36E+00	5.60E-05	8.63E-02	1.47E-02	1.46E+00	1.65E+00	1.29E+00	7.87E+00	5.02E-01	1.13E+01
1978	494911.06	3859401.99	8.26153	1.62578	40.444	6.77909	1.35E+00	1.26E+00	7.84E+00	4.99E-01	1.10E+01	1.33E+00	5.46E-05	8.60E-02	1.46E-02	1.43E+00	1.62E+00	1.26E+00	7.84E+00	4.99E-01	1.12E+01
1979	494961.06	3859401.99	8.16938	1.62603	39.998	6.58425	1.34E+00	1.26E+00	7.76E+00	4.85E-01	1.08E+01	1.32E+00	5.46E-05	8.50E-02	1.42E-02	1.42E+00	1.60E+00	1.26E+00	7.76E+00	4.85E-01	1.11E+01
1980	495011.06	3859401.99	8.11253	1.62391	39.621	6.53653	1.33E+00	1.26E+00	7.68E+00	4.81E-01	1.08E+01	1.31E+00	5.45E-05	8.42E-02	1.41E-02	1.41E+00	1.59E+00	1.26E+00	7.68E+00	4.81E-01	1.10E+01
1981	495061.06	3859401.99	8.09108	1.6194	39.389	6.68491	1.32E+00	1.26E+00	7.64E+00	4.92E-01	1.07E+01	1.30E+00	5.44E-05	8.37E-02	1.44E-02	1.40E+00	1.58E+00	1.26E+00	7.64E+00	4.92E-01	1.10E+01
1982	495111.06	3859401.99	7.925	1.6099	38.938	6.51024	1.30E+00	1.25E+00	7.55E+00	4.79E-01	1.06E+01	1.28E+00	5.41E-05	8.28E-02	1.40E-02	1.37E+00	1.55E+00	1.25E+00	7.55E+00	4.79E-01	1.08E+01
1983	495161.06	3859401.99	7.87322	1.62037	38.292	6.32805	1.29E+00	1.26E+00	7.43E+00	4.66E-01	1.04E+01	1.27E+00	5.44E-05	8.14E-02	1.36E-02	1.36E+00	1.54E+00	1.26E+00	7.43E+00	4.66E-01	1.07E+01
1984	495211.06	3859401.99	7.85078	1.62879	37.836	6.32625	1.28E+00	1.26E+00	7.34E+00	4.66E-01	1.04E+01	1.27E+00	5.47E-05	8.04E-02	1.36E-02	1.36E+00	1.54E+00	1.26E+00	7.34E+00	4.66E-01	1.06E+01
1985	495261.06	3859401.99	7.76467	1.62943	37.346	6.25454	1.27E+00	1.26E+00	7.24E+00	4.60E-01	1.02E+01	1.25E+00	5.47E-05	7.94E-02	1.35E-02	1.34E+00	1.52E+00	1.26E+00	7.24E+00	4.60E-01	1.05E+01
1986	495311.06	3859401.99	7.66225	1.63052	36.838	6.16532	1.25E+00	1.26E+00	7.14E+00	4.54E-01	1.01E+01	1.23E+00	5.48E-05	7.83E-02	1.33E-02	1.33E+00	1.50E+00	1.26E+00	7.14E+00	4.54E-01	1.04E+01
1987	495361.06	3859401.99	7.63941	1.63978	36.376	6.17624	1.25E+00	1.27E+00	7.05E+00	4.55E-01	1.00E+01	1.23E+00	5.51E-05	7.73E-02	1.33E-02	1.32E+00	1.49E+00	1.27E+00	7.05E+00	4.55E-01	1.03E+01
1988	495411.06	3859401.99	7.55886	1.64502	35.88	6.12214	1.24E+00	1.28E+00	6.96E+00	4.51E-01	9.92E+00	1.22E+00	5.53E-05	7.63E-02	1.32E-02	1.31E+00	1.48E+00	1.28E+00	6.96E+00	4.51E-01	1.02E+01
1989	495461.06	3859401.99	7.42179	1.64587	35.379	5.99976	1.21E+00	1.28E+00	6.86E+00	4.42E-01	9.79E+00	1.20E+00	5.53E-05	7.52E-02	1.29E-02	1.28E+00	1.45E+00	1.28E+00	6.86E+00	4.42E-01	1.00E+01
1990	495511.06	3859401.99	7.22524	1.64233	35.041	5.80276	1.18E+00	1.27E+00	6.79E+00	4.27E-01	9.68E+00	1.16E+00	5.52E-05	7.45E-02	1.25E-02	1.25E+00	1.41E+00	1.27E+00	6.79E+00	4.27E-01	9.91E+00
1991	495561.06	3859401.99	7.00622	1.63863	34.693	5.55367	1.15E+00	1.27E+00	6.73E+00	4.09E-01	9.55E+00	1.13E+00	5.50E-05	7.38E-02	1.20E-02	1.21E+00	1.37E+00	1.27E+00	6.73E+00	4.09E-01	9.78E+00
1992	495611.06	3859401.99	6.87621	1.64217	34.408	5.42152	1.12E+00	1.27E+00	6.67E+00	3.99E-01	9.47E+00	1.11E+00	5.52E-05	7.32E-02	1.17E-02	1.19E+00	1.35E+00	1.27E+00	6.67E+00	3.99E-01	9.69E+00
1993	495661.06	3859401.99	6.7625	1.64561	34.137	5.31342	1.11E+00	1.28E+00	6.62E+00	3.91E-01	9.39E+00	1.09E+00	5.53E-05	7.26E-02	1.14E-02	1.17E+00	1.32E+00	1.28E+00	6.62E+00	3.91E-01	9.61E+00
1994	494311.06	3859451.99	10.2235	2.64725	33.218	6.42435	1.67E+00	2.05E+00	6.44E+00	4.73E-01	1.06E+01	1.65E+00	8.89E-05	7.06E-02	1.38E-02	1.73E+00	2.00E+00	2.05E+00	6.44E+00	4.73E-01	1.10E+01
1995	494361.06	3859451.99	10.0818	2.59195	34.148	6.61324	1.65E+00	2.01E+00	6.62E+00	4.87E-01	1.08E+01	1.62E+00	8.71E-05	7.26E-02	1.42E-02	1.71E+00	1.97E+00	2.01E+00	6.62E+00	4.87E-01	1.11E+01
1996	494411.06	3859451.99	9.88002	2.20237	35.737	6.84518	1.62E+00	1.71E+00	6.93E+00	5.04E-01	1.08E+01	1.59E+00	7.40E-05	7.60E-02	1.47E-02	1.68E+00	1.93E+00	1.71E+00	6.93E+00	5.04E-01	1.11E+01
1997	494461.06	3859451.99	9.77895	2.19236	35.919	6.88623	1.60E+00	1.70E+00	6.97E+00	5.07E-01	1.08E+01	1.58E+00	7.36E-05	7.64E-02	1.48E-02	1.67E+00	1.91E+00	1.70E+00	6.97E+00	5.07E-01	1.11E+01
1998	494511.06	3859451.99	9.67108	2.14376	36.71	6.9902	1.58E+00	1.66E+00	7.12E+00	5.15E-01	1.09E+01	1.56E+00	7.20E-05	7.81E-02	1.50E-02	1.65E+00	1.89E+00	1.66E+00	7.12E+00	5.15E-01	1.12E+01
1999	494561.06	3859451.99	9.56821	2.11104	37.201	7.06561	1.56E+00	1.64E+00	7.21E+00	5.20E-01	1.09E+01	1.54E+00	7.09E-05	7.91E-02	1.52E-02	1.64E+00	1.87E+00	1.64E+00	7.21E+00	5.20E-01	1.12E+01
2000	494611.06	3859451.99	9.52328	2.10607	37.248	7.09771	1.56E+00	1.63E+00	7.22E+00	5.23E-01	1.09E+01	1.53E+00	7.07E-05	7.92E-02	1.53E-02	1.63E+00	1.86E+00	1.63E+00	7.22E+00	5.23E-01	1.12E+01
2001	494661.06	3859451.99	9.42061	2.04908	37.933	7.17251	1.54E+00	1.59E+00	7.36E+00	5.28E-01	1.10E+01	1.52E+00	6.88E-05	8.07E-02	1.54E-02	1.61E+00	1.84E+00	1.59E+00	7.36E+00	5.28E-01	1.13E+01
2002	494711.06	3859451.99	9.30066	1.99208	38.516	7.2174	1.52E+00	1.55E+00	7.47E+00	5.31E-01	1.11E+01	1.50E+00	6.69E-05	8.19E-02	1.55E-02	1.60E+00	1.82E+00	1.55E+00	7.47E+00	5.31E-01	1.14E+01
2003	494761.06	3859451.99	9.19108	1.95023	38.815	7.23106	1.50E+00	1.51E+00	7.53E+00	5.32E-01	1.11E+01	1.48E+00	6.55E-05	8.25E-02	1.56E-02	1.58E+00	1.80E+00	1.51E+00	7.53E+00	5.32E-01	1.14E+01
2004	494811.06	3859451.99	9.00821	1.86988	39.403	7.2078	1.47E+00	1.45E+00	7.64E+00	5.31E-01	1.11E+01	1.45E+00	6.28E-05	8.38E-02	1.55E-02	1.55E+00	1.76E+00	1.45E+00	7.64E+00	5.31E-01	1.14E+01
2005	494861.06	3859451.99	8.84397	1.80987	39.733	7.14886	1.45E+00	1.40E+00	7.70E+00	5.26E-01	1.11E+01	1.43E+00	6.08E-05	8.45E-02	1.54E-02	1.52E+00	1.73E+00	1.40E+00	7.70E+00	5.26E-01	1.14E+01
2006	494911.06	3859451.99	8.72249	1.77185	39.83	7.08659	1.43E+00	1.37E+00	7.72E+00	5.22E-01	1.10E+01	1.41E+00	5.95E-05	8.47E-02	1.53E-02	1.51E+00	1.71E+00	1.37E+00	7.72E+00	5.22E-01	1.13E+01
2007	494961.06	3859451.99	8.66258	1.76051	39.674	7.05197	1.42E+00	1.37E+00	7.69E+00	5.19E-01	1.10E+01	1.40E+00	5.91E-05	8.44E-02	1.52E-02	1.50E+00	1.70E+00	1.37E+00	7.69E+00	5.19E-01	1.13E+01
2008	495011.06	3859451.99	8.57106	1.73869	39.546	6.9933	1.40E+00	1.35E+00	7.67E+00	5.15E-01	1.09E+01	1.38E+00	5.84E-05	8.41E-02	1.51E-02	1.48E+00	1.68E+00	1.35E+00	7.67E+00	5.15E-01	1.12E+01
2009	495061.06	3859451.99	8.47455	1.71702	39.376	6.92613	1.39E+00	1.33E+00	7.64E+00	5.10E-01	1.09E+01	1.37E+00	5.77E-05	8.37E-02	1.49E-02	1.46E+00	1.66E+00	1.33E+00	7.64E+00	5.10E-01	1.11E+01

2010	495111.06	3859451.99	8.36911	1.6966	39.175	6.84658	1.37E+00	1.32E+00	7.60E+00	5.04E-01	1.08E+01	1.35E+00	5.70E-05	8.33E-02	1.47E-02	1.45E+00	1.64E+00	1.32E+00	7.60E+00	5.04E-01	1.11E+01
2011	495161.06	3859451.99	8.32501	1.69798	38.839	6.82012	1.36E+00	1.32E+00	7.53E+00	5.02E-01	1.07E+01	1.34E+00	5.70E-05	8.26E-02	1.47E-02	1.44E+00	1.63E+00	1.32E+00	7.53E+00	5.02E-01	1.10E+01
2012	495211.06	3859451.99	8.29634	1.70519	38.433	6.80882	1.36E+00	1.32E+00	7.45E+00	5.01E-01	1.06E+01	1.34E+00	5.73E-05	8.17E-02	1.47E-02	1.43E+00	1.62E+00	1.32E+00	7.45E+00	5.01E-01	1.09E+01
2013	495261.06	3859451.99	8.253	1.70974	38.019	6.78563	1.35E+00	1.33E+00	7.37E+00	5.00E-01	1.05E+01	1.33E+00	5.74E-05	8.08E-02	1.46E-02	1.43E+00	1.61E+00	1.33E+00	7.37E+00	5.00E-01	1.08E+01
2014	495311.06	3859451.99	8.15644	1.6998	37.676	6.71477	1.33E+00	1.32E+00	7.31E+00	4.94E-01	1.05E+01	1.31E+00	5.71E-05	8.01E-02	1.45E-02	1.41E+00	1.60E+00	1.32E+00	7.31E+00	4.94E-01	1.07E+01
2015	495361.06	3859451.99	8.07463	1.70015	37.28	6.65883	1.32E+00	1.32E+00	7.23E+00	4.90E-01	1.04E+01	1.30E+00	5.71E-05	7.93E-02	1.43E-02	1.39E+00	1.58E+00	1.32E+00	7.23E+00	4.90E-01	1.06E+01
2016	495411.06	3859451.99	7.96375	1.69277	36.903	6.57445	1.30E+00	1.31E+00	7.16E+00	4.84E-01	1.03E+01	1.28E+00	5.69E-05	7.85E-02	1.42E-02	1.38E+00	1.56E+00	1.31E+00	7.16E+00	4.84E-01	1.05E+01
2017	495461.06	3859451.99	7.86849	1.69104	36.483	6.50646	1.29E+00	1.31E+00	7.07E+00	4.79E-01	1.02E+01	1.27E+00	5.68E-05	7.76E-02	1.40E-02	1.36E+00	1.54E+00	1.31E+00	7.07E+00	4.79E-01	1.04E+01
2018	495511.06	3859451.99	7.66308	1.65885	36.101	6.31434	1.25E+00	1.29E+00	7.00E+00	4.65E-01	1.00E+01	1.23E+00	5.57E-05	7.68E-02	1.36E-02	1.33E+00	1.50E+00	1.29E+00	7.00E+00	4.65E-01	1.03E+01
2019	495561.06	3859451.99	7.5195	1.65135	35.635	6.18942	1.23E+00	1.28E+00	6.91E+00	4.56E-01	9.88E+00	1.21E+00	5.55E-05	7.58E-02	1.33E-02	1.30E+00	1.47E+00	1.28E+00	6.91E+00	4.56E-01	1.01E+01
2020	495611.06	3859451.99	7.37727	1.64575	35.141	6.06351	1.21E+00	1.28E+00	6.81E+00	4.46E-01	9.74E+00	1.19E+00	5.53E-05	7.47E-02	1.31E-02	1.28E+00	1.44E+00	1.28E+00	6.81E+00	4.46E-01	9.98E+00
2021	495661.06	3859451.99	7.24361	1.64166	34.629	5.94368	1.18E+00	1.27E+00	6.71E+00	4.38E-01	9.61E+00	1.17E+00	5.51E-05	7.36E-02	1.28E-02	1.25E+00	1.42E+00	1.27E+00	6.71E+00	4.38E-01	9.84E+00
2022	494311.06	3859501.99	10.371	2.80167	31.533	5.99435	1.70E+00	2.17E+00	6.11E+00	4.41E-01	1.04E+01	1.67E+00	9.41E-05	6.70E-02	1.29E-02	1.75E+00	2.03E+00	2.17E+00	6.11E+00	4.41E-01	1.08E+01
2023	494361.06	3859501.99	10.2468	2.69735	32.852	6.22241	1.68E+00	2.09E+00	6.37E+00	4.58E-01	1.06E+01	1.65E+00	9.06E-05	6.98E-02	1.34E-02	1.73E+00	2.01E+00	2.09E+00	6.37E+00	4.58E-01	1.09E+01
2024	494411.06	3859501.99	10.0674	2.54385	36.358	6.59351	1.65E+00	1.97E+00	7.05E+00	4.85E-01	1.12E+01	1.62E+00	8.55E-05	7.73E-02	1.42E-02	1.71E+00	1.97E+00	1.97E+00	7.05E+00	4.85E-01	1.15E+01
2025	494461.06	3859501.99	10.01	2.57415	34.692	6.55358	1.64E+00	2.00E+00	6.73E+00	4.83E-01	1.08E+01	1.61E+00	8.65E-05	7.38E-02	1.41E-02	1.70E+00	1.96E+00	2.00E+00	6.73E+00	4.83E-01	1.12E+01
2026	494511.06	3859501.99	9.86281	2.23606	35.593	6.70137	1.61E+00	1.73E+00	6.90E+00	4.93E-01	1.07E+01	1.59E+00	7.51E-05	7.57E-02	1.44E-02	1.68E+00	1.93E+00	1.73E+00	6.90E+00	4.93E-01	1.11E+01
2027	494561.06	3859501.99	9.71392	2.19273	36.025	6.82868	1.59E+00	1.70E+00	6.99E+00	5.03E-01	1.08E+01	1.57E+00	7.37E-05	7.66E-02	1.47E-02	1.66E+00	1.90E+00	1.70E+00	6.99E+00	5.03E-01	1.11E+01
2028	494611.06	3859501.99	9.67916	2.23599	34.435	6.79829	1.58E+00	1.73E+00	6.68E+00	5.01E-01	1.05E+01	1.56E+00	7.51E-05	7.32E-02	1.46E-02	1.65E+00	1.89E+00	1.73E+00	6.68E+00	5.01E-01	1.08E+01
2029	494661.06	3859501.99	9.55246	2.16418	35.478	6.95889	1.56E+00	1.68E+00	6.88E+00	5.12E-01	1.06E+01	1.54E+00	7.27E-05	7.54E-02	1.50E-02	1.63E+00	1.87E+00	1.68E+00	6.88E+00	5.12E-01	1.09E+01
2030	494711.06	3859501.99	9.37877	2.07208	37.002	7.10033	1.53E+00	1.61E+00	7.17E+00	5.23E-01	1.08E+01	1.51E+00	6.96E-05	7.87E-02	1.53E-02	1.61E+00	1.84E+00	1.61E+00	7.17E+00	5.23E-01	1.11E+01
2031	494761.06	3859501.99	9.37061	2.08356	36.681	7.12069	1.53E+00	1.62E+00	7.11E+00	5.24E-01	1.08E+01	1.51E+00	7.00E-05	7.80E-02	1.53E-02	1.60E+00	1.83E+00	1.62E+00	7.11E+00	5.24E-01	1.11E+01
2032	494811.06	3859501.99	9.15727	1.95842	38.468	7.20466	1.50E+00	1.52E+00	7.46E+00	5.30E-01	1.10E+01	1.48E+00	6.58E-05	8.18E-02	1.55E-02	1.57E+00	1.79E+00	1.52E+00	7.46E+00	5.30E-01	1.13E+01
2033	494861.06	3859501.99	9.07278	1.92885	38.636	7.21823	1.48E+00	1.50E+00	7.49E+00	5.31E-01	1.10E+01	1.46E+00	6.48E-05	8.21E-02	1.55E-02	1.56E+00	1.78E+00	1.50E+00	7.49E+00	5.31E-01	1.13E+01
2034	494911.06	3859501.99	9.02033	1.92198	38.405	7.22124	1.48E+00	1.49E+00	7.45E+00	5.32E-01	1.09E+01	1.45E+00	6.46E-05	8.17E-02	1.55E-02	1.55E+00	1.77E+00	1.49E+00	7.45E+00	5.32E-01	1.12E+01
2035	494961.06	3859501.99	8.90017	1.87523	38.693	7.19917	1.46E+00	1.45E+00	7.50E+00	5.30E-01	1.09E+01	1.43E+00	6.30E-05	8.23E-02	1.55E-02	1.53E+00	1.74E+00	1.45E+00	7.50E+00	5.30E-01	1.12E+01
2036	495011.06	3859501.99	8.85634	1.87004	38.532	7.19049	1.45E+00	1.45E+00	7.47E+00	5.29E-01	1.09E+01	1.43E+00	6.28E-05	8.19E-02	1.55E-02	1.52E+00	1.73E+00	1.45E+00	7.47E+00	5.29E-01	1.12E+01
2037	495061.06	3859501.99	8.81916	1.86584	38.317	7.17843	1.44E+00	1.45E+00	7.43E+00	5.29E-01	1.08E+01	1.42E+00	6.27E-05	8.15E-02	1.55E-02	1.52E+00	1.73E+00	1.45E+00	7.43E+00	5.29E-01	1.11E+01
2038	495111.06	3859501.99	8.6935	1.82182	38.456	7.12142	1.42E+00	1.41E+00	7.46E+00	5.24E-01	1.08E+01	1.40E+00	6.12E-05	8.18E-02	1.53E-02	1.50E+00	1.70E+00	1.41E+00	7.46E+00	5.24E-01	1.11E+01
2039	495161.06	3859501.99	8.65036	1.81963	38.28	7.10175	1.41E+00	1.41E+00	7.42E+00	5.23E-01	1.08E+01	1.39E+00	6.11E-05	8.14E-02	1.53E-02	1.49E+00	1.69E+00	1.41E+00	7.42E+00	5.23E-01	1.10E+01
2040	495211.06	3859501.99	8.63637	1.83304	37.94	7.09792	1.41E+00	1.42E+00	7.36E+00	5.23E-01	1.07E+01	1.39E+00	6.16E-05	8.07E-02	1.53E-02	1.49E+00	1.69E+00	1.42E+00	7.36E+00	5.23E-01	1.10E+01
2041	495261.06	3859501.99	8.57881	1.82837	37.723	7.06952	1.40E+00	1.42E+00	7.31E+00	5.20E-01	1.07E+01	1.38E+00	6.14E-05	8.02E-02	1.52E-02	1.48E+00	1.68E+00	1.42E+00	7.31E+00	5.20E-01	1.09E+01
2042	495311.06	3859501.99	8.53287	1.83069	37.419	7.04658	1.40E+00	1.42E+00	7.26E+00	5.19E-01	1.06E+01	1.37E+00	6.15E-05	7.96E-02	1.52E-02	1.47E+00	1.67E+00	1.42E+00	7.26E+00	5.19E-01	1.09E+01
2043	495361.06	3859501.99	8.45159	1.81877	37.207	7.0028	1.38E+00	1.41E+00	7.21E+00	5.16E-01	1.05E+01	1.36E+00	6.11E-05	7.91E-02	1.51E-02	1.46E+00	1.65E+00	1.41E+00	7.21E+00	5.16E-01	1.08E+01
2044	495411.06	3859501.99	8.37085	2.02216	36.952	6.95779	1.37E+00	1.57E+00	7.17E+00	5.12E-01	1.06E+01	1.35E+00	6.79E-05	7.86E-02	1.50E-02	1.44E+00	1.64E+00	1.57E+00	7.17E+00	5.12E-01	1.09E+01
2045	495461.06	3859501.99	8.26596	1.7898	36.737	6.89471	1.35E+00	1.39E+00	7.12E+00	5.08E-01	1.04E+01	1.33E+00	6.01E-05	7.81E-02	1.48E-02	1.42E+00	1.62E+00	1.39E+00	7.12E+00	5.08E-01	1.06E+01
2046	495511.06	3859501.99	8.05062	1.70727	36.837	6.86254	1.32E+00	1.32E+00	7.14E+00	5.05E-01	1.03E+01	1.30E+00	5.73E-05	7.83E-02	1.48E-02	1.39E+00	1.58E+00	1.32E+00	7.14E+00	5.05E-01	1.05E+01
2047	495561.06	3859501.99	7.98044	1.72764	36.354	6.69062	1.31E+00	1.34E+00	7.05E+00	4.93E-01	1.02E+01	1.29E+00	5.80E-05	7.73E-02	1.44E-02	1.38E+00	1.56E+00	1.34E+00	7.05E+00	4.93E-01	1.04E+01
2048	495611.06	3859501.99	7.84167	1.70979	36.058	6.58372	1.28E+00	1.33E+00	6.99E+00	4.85E-01	1.01E+01	1.26E+00	5.74E-05	7.67E-02	1.42E-02	1.35E+00	1.53E+00	1.33E+00	6.99E+00	4.85E-01	1.03E+01
2049	495661.06	3859501.99	7.6833	1.6903	35.729	6.45195	1.26E+00	1.31E+00	6.93E+00	4.75E-01	9.97E+00	1.24E+00	5.68E-05	7.60E-02	1.39E-02	1.33E+00	1.50E+00	1.31E+00	6.93E+00	4.75E-01	1.02E+01
2050	494311.06	3859551.99	10.4428	2.98529	30.57	5.5691	1.71E+00	2.32E+00	5.93E+00	4.10E-01	1.04E+01	1.68E+00	1.00E-04	6.50E-02	1.20E-02	1.76E+00	2.04E+00	2.32E+00	5.93E+00	4.10E-01	1.07E+01
2051	494361.06	3859551.99	10.3605	2.81294	32.012	5.85068	1.69E+00	2.18E+00	6.21E+00	4.31E-01	1.05E+01	1.67E+00	9.45E-05	6.81E-02	1.26E-02	1.75E+00	2.03E+00	2.18E+00	6.21E+00	4.31E-01	1.08E+01
2052	494411.06	3859551.99	10.2156	2.58578	36.197	6.29248	1.67E+00	2.01E+00	7.02E+00	4.63E-01	1.12E+01	1.65E+00	8.69E-05	7.70E-02	1.35E-02	1.74E+00	2.00E+00	2.01E+00	7.02E+00	4.63E-01	1.15E+01
2053	494461.06	3859551.99	10.1586	2.70233	33.979	6.169	1.66E+00	2.10E+00	6.59E+00	4.54E-01	1.08E+01	1.64E+00	9.08E-05	7.22E-02	1.33E-02	1.72E+00	1.99E+00	2.10E+00	6.59E+00	4.54E-01	1.11E+01
2054	494511.06	3859551.99	10.0452	2.61513	35.1	6.35039	1.64E+00	2.03E+00	6.81E+00	4.68E-01	1.09E+01	1.62E+00	8.78E-05	7.46E-02	1.37E-02	1.71E+00	1.97E+00	2.03E+00	6.81E+00	4.68E-01	1.13E+01
2055	494561.06	3859551.99	9.94124	2.57229	35.433	6.48386	1.63E+00	2.00E+00	6.87E+00	4.77E-01	1.10E+01	1.60E+00	8.64E-05	7.53E-02	1.40E-02	1.69E+00	1.95E+00	2.00E+00	6.87E+00	4.77E-01	1.13E+01
2056	494611.06	3859551.99	9.85087	2.57148	34.84	6.53883	1.61E+00	1.99E+00	6.76E+00	4.81E-01	1.08E+01	1.59E+00	8.64E-05	7.41E-02	1.41E-02	1.68E+00	1.93E+00	1.99E+00	6.76E+00	4.81E-01	1.12E+01
2057	494661.06	3859551.99	9.73335	2.55303	34.817	6.6382	1.59E+00	1.98E+00	6.75E+00	4.89E-01	1.08E+01	1.57E+00	8.58E-05	7.40E-02	1.43E-02	1.66E+00	1.90E+00	1.98E+00	6.75E+00	4.89E-01	1.11E+01
2058	494711.06	3859551.99	9.47602	2.10782	38.09	6.94073	1.55E+00	1.64E+00	7.39E+00	5.11E-01	1.11E+01	1.53E+00	7.08E-05	8.10E-02	1.49E-02	1.62E+00	1.85E+00	1.64E+00	7.39E+00	5.11E-01	1.14E+01
2059	494761.06	3859551.99	9.49352	2.18221	35.656	6.88629	1.55E+00	1.69E+00	6.91E+00	5.07E-01	1.07E+01	1.53E+00	7.33E-05	7.58E-02	1.48E-02	1.62E+00	1.86E+00	1.69E+00	6.91E+00	5.07E-01	1.10E+01
2060	494811.06	3859551.99	9.32376	2.08086	37.315	7.05249	1.52E+00	1.61E+00	7.24E+00	5.19E-01	1.09E+01	1.50E+00	6.99E-05	7.93E-02	1.52E-02	1.60E+00	1.82E+00	1.61E+00	7.24E+00	5.19E-01	1.12E+01
2061	494861.06	3859551.99	9.23871	2.05603	37.114	7.10762	1.51E+00	1.59E+00	7.20E+00	5.23E-01	1.08E+01	1.49E+00	6.91E-05	7.89E-02	1.53E-02	1.58E+00	1.81E+00	1.59E+00	7.20E+00	5.23E-01	1.11E+01
2062	494911.06	3859551.99	9.16396	2.01667	37.38	7.15973	1.50E+00	1.56E+00	7.25E+00	5.27E-01	1.08E+01	1.48E+00	6.77E-05	7.95E-02	1.54E-02	1.57E+00	1.79E+00	1.56E+00	7.25E+00	5.27E-01	1.11E+01
2063	494961.06	3859551.99	9.13311	2.01405	37.01	7.18664	1.49E+00	1.56E+00	7.18E+00	5.29E-01	1.08E+01	1.47E+00	6.77E-05	7.87E-02	1.55E-02	1.57E+00	1.79E+00	1.56E+00	7.18E+00	5.29E-01	1.11E+01
2064	495011.06	3859551.99	9.10906	2.0202	36.726	7.20122	1.49E+00	1.57E+00	7.12E+00	5.30E-01	1.07E+01	1.47E+00	6.79E-05	7.81E-02	1.55E-02	1.56E+00	1.78E+00	1.57E+00	7.12E+00	5.30E-01	1.10E+01
2065	495061.06	3859551.99	9.03456	1.99813	36.817	7.21789	1.48E+00	1.55E+00	7.14E+00	5.31E-01	1.07E+01	1.46E+00	6.71E-05	7.83E-02	1.55E-02	1.55E+00	1.77E+00	1.55E+00	7.14E+00	5.31E-01	1.10E+01
2066	495111.06	3859551.99	8.93989	1.96006	37.117	7.2253	1.46E+00	1.52E+00	7.20E+00	5.32E-01	1.07E+01	1.44E+00	6.58E-05	7.89E-02	1.56E-02	1.54E+00	1.75E+00	1.52E+00	7.20E+00	5.32E-01	1.10E+01
2067	495161.06	3859551.99	8.92665	1.96573	36.937	7.2248	1.46E+00	1.52E+00	7.16E+00	5.32E-01	1.07E+01	1.44E+00	6.60E-05	7.85E-02	1.56E-02	1.53E+00	1.75E+00	1.52E+00	7.16E+00	5.32E-01	1.10E+01
2068	495211.06	3859551.99	8.92309	1.98123	36.609	7.22029	1.46E+00	1.54E+00	7.10E+00	5.32E-01	1.06E+01	1.44E+00	6.66E-05	7.78E-02	1.55E-02	1.53E+00	1.75E+00	1.54E+00	7.10E+00	5.32E-01	1.09E+01
2069	495261.06	3859551.99	8.84571	1.95562	36.67	7.21059	1.45E+00	1.52E+00	7.11E+00	5.31E-01	1.06E+01	1.43E+00	6.57E-05	7.80E-02	1.55E-02	1.52E+00	1.73E+00	1.52E+00	7.11E+00	5.31E-01	1.09E+01
2070	495311.06	3859551.99	8.78322	1.94186	36.561	7.19496	1.44E+00	1.51E+00	7.09E+00	5.30E-01	1.06E+01	1.42E+00	6.52E-05	7.77E-02	1.55E-02	1.51E+00	1.72E+00	1.51E+00	7.09E+00	5.30E-01	1.08E+01

2071	495361.06	3859551.99	8.72977	1.93647	36.33	7.17721	1.43E+00	1.50E+00	7.04E+00	5.28E-01	1.05E+01	1.41E+00	6.50E-05	7.72E-02	1.55E-02	1.50E+00	1.71E+00	1.50E+00	7.04E+00	5.28E-01	1.08E+01
2072	495411.06	3859551.99	8.68487	1.93947	36.029	7.159	1.42E+00	1.50E+00	6.99E+00	5.27E-01	1.04E+01	1.40E+00	6.51E-05	7.66E-02	1.54E-02	1.49E+00	1.70E+00	1.50E+00	6.99E+00	5.27E-01	1.07E+01
2073	495461.06	3859551.99	8.5533	1.8958	36.258	7.11239	1.40E+00	1.47E+00	7.03E+00	5.24E-01	1.04E+01	1.38E+00	6.37E-05	7.71E-02	1.53E-02	1.47E+00	1.67E+00	1.47E+00	7.03E+00	5.24E-01	1.07E+01
2074	495511.06	3859551.99	8.408	1.84979	36.424	7.04228	1.38E+00	1.43E+00	7.06E+00	5.18E-01	1.04E+01	1.35E+00	6.21E-05	7.74E-02	1.52E-02	1.45E+00	1.65E+00	1.43E+00	7.06E+00	5.18E-01	1.07E+01
2075	495561.06	3859551.99	8.31304	1.83279	36.283	6.992	1.36E+00	1.42E+00	7.04E+00	5.15E-01	1.03E+01	1.34E+00	6.16E-05	7.71E-02	1.51E-02	1.43E+00	1.63E+00	1.42E+00	7.04E+00	5.15E-01	1.06E+01
2076	495611.06	3859551.99	8.20869	1.81357	36.125	6.93265	1.34E+00	1.41E+00	7.00E+00	5.10E-01	1.03E+01	1.32E+00	6.09E-05	7.68E-02	1.49E-02	1.41E+00	1.61E+00	1.41E+00	7.00E+00	5.10E-01	1.05E+01
2077	495661.06	3859551.99	8.07455	1.78242	36.007	6.84586	1.32E+00	1.38E+00	6.98E+00	5.04E-01	1.02E+01	1.30E+00	5.99E-05	7.66E-02	1.47E-02	1.39E+00	1.58E+00	1.38E+00	6.98E+00	5.04E-01	1.04E+01
2078	494311.06	3859601.99	10.4378	3.22351	29	5.16737	1.71E+00	2.50E+00	5.62E+00	3.80E-01	1.02E+01	1.68E+00	1.08E-04	6.17E-02	1.11E-02	1.75E+00	2.04E+00	2.50E+00	5.62E+00	3.80E-01	1.05E+01
2079	494361.06	3859601.99	10.365	2.9114	32.776	5.60688	1.70E+00	2.26E+00	6.36E+00	4.13E-01	1.07E+01	1.67E+00	9.78E-05	6.97E-02	1.21E-02	1.75E+00	2.03E+00	2.26E+00	6.36E+00	4.13E-01	1.11E+01
2080	494411.06	3859601.99	10.3032	2.81108	34.588	5.843	1.69E+00	2.18E+00	6.71E+00	4.30E-01	1.10E+01	1.66E+00	9.44E-05	7.35E-02	1.26E-02	1.75E+00	2.02E+00	2.18E+00	6.71E+00	4.30E-01	1.13E+01
2081	494461.06	3859601.99	10.2608	2.8964	32.487	5.71558	1.68E+00	2.25E+00	6.30E+00	4.21E-01	1.06E+01	1.65E+00	9.73E-05	6.91E-02	1.23E-02	1.73E+00	2.01E+00	2.25E+00	6.30E+00	4.21E-01	1.10E+01
2082	494511.06	3859601.99	10.1587	2.74134	34.923	6.03723	1.66E+00	2.13E+00	6.77E+00	4.44E-01	1.10E+01	1.64E+00	9.21E-05	7.43E-02	1.30E-02	1.72E+00	1.99E+00	2.13E+00	6.77E+00	4.44E-01	1.13E+01
2083	494561.06	3859601.99	10.0911	2.79007	33.374	5.99771	1.65E+00	2.16E+00	6.47E+00	4.42E-01	1.07E+01	1.63E+00	9.37E-05	7.10E-02	1.29E-02	1.71E+00	1.97E+00	2.16E+00	6.47E+00	4.42E-01	1.11E+01
2084	494611.06	3859601.99	10.0162	2.79341	32.72	6.03944	1.64E+00	2.17E+00	6.34E+00	4.45E-01	1.06E+01	1.61E+00	9.38E-05	6.96E-02	1.30E-02	1.70E+00	1.96E+00	2.17E+00	6.34E+00	4.45E-01	1.09E+01
2085	494661.06	3859601.99	9.88498	2.59556	35.16	6.39877	1.62E+00	2.01E+00	6.82E+00	4.71E-01	1.09E+01	1.59E+00	8.72E-05	7.48E-02	1.38E-02	1.68E+00	1.93E+00	2.01E+00	6.82E+00	4.71E-01	1.12E+01
2086	494711.06	3859601.99	9.72923	2.20179	37.489	6.64781	1.59E+00	1.71E+00	7.27E+00	4.89E-01	1.11E+01	1.57E+00	7.40E-05	7.97E-02	1.43E-02	1.66E+00	1.90E+00	1.71E+00	7.27E+00	4.89E-01	1.14E+01
2087	494761.06	3859601.99	9.7174	2.63848	33.912	6.46693	1.59E+00	2.05E+00	6.58E+00	4.76E-01	1.07E+01	1.57E+00	8.86E-05	7.21E-02	1.39E-02	1.65E+00	1.90E+00	2.05E+00	6.58E+00	4.76E-01	1.10E+01
2088	494811.06	3859601.99	9.53536	2.20512	36.274	6.7513	1.56E+00	1.71E+00	7.03E+00	4.97E-01	1.08E+01	1.54E+00	7.41E-05	7.71E-02	1.45E-02	1.63E+00	1.87E+00	1.71E+00	7.03E+00	4.97E-01	1.11E+01
2089	494861.06	3859601.99	9.41784	2.18709	36.083	6.82779	1.54E+00	1.70E+00	7.00E+00	5.03E-01	1.07E+01	1.52E+00	7.35E-05	7.67E-02	1.47E-02	1.61E+00	1.84E+00	1.70E+00	7.00E+00	5.03E-01	1.10E+01
2090	494911.06	3859601.99	9.30019	2.11801	37.115	6.96956	1.52E+00	1.64E+00	7.20E+00	5.13E-01	1.09E+01	1.50E+00	7.11E-05	7.89E-02	1.50E-02	1.59E+00	1.82E+00	1.64E+00	7.20E+00	5.13E-01	1.12E+01
2091	494961.06	3859601.99	9.29518	2.17203	35.212	6.93943	1.52E+00	1.68E+00	6.83E+00	5.11E-01	1.05E+01	1.50E+00	7.30E-05	7.49E-02	1.49E-02	1.59E+00	1.82E+00	1.68E+00	6.83E+00	5.11E-01	1.08E+01
2092	495011.06	3859601.99	9.18386	2.09632	36.3	7.07128	1.50E+00	1.63E+00	7.04E+00	5.21E-01	1.07E+01	1.48E+00	7.04E-05	7.72E-02	1.52E-02	1.57E+00	1.80E+00	1.63E+00	7.04E+00	5.21E-01	1.10E+01
2093	495061.06	3859601.99	9.1931	2.12152	35.063	7.07804	1.50E+00	1.65E+00	6.80E+00	5.21E-01	1.05E+01	1.48E+00	7.13E-05	7.46E-02	1.52E-02	1.57E+00	1.80E+00	1.65E+00	6.80E+00	5.21E-01	1.08E+01
2094	495111.06	3859601.99	9.11377	2.07796	35.436	7.14761	1.49E+00	1.61E+00	6.87E+00	5.26E-01	1.05E+01	1.47E+00	6.98E-05	7.53E-02	1.54E-02	1.56E+00	1.78E+00	1.61E+00	6.87E+00	5.26E-01	1.08E+01
2095	495161.06	3859601.99	9.09442	2.08945	34.955	7.15369	1.49E+00	1.62E+00	6.78E+00	5.27E-01	1.04E+01	1.47E+00	7.02E-05	7.43E-02	1.54E-02	1.56E+00	1.78E+00	1.62E+00	6.78E+00	5.27E-01	1.07E+01
2096	495211.06	3859601.99	9.04062	2.08041	34.935	7.17449	1.48E+00	1.61E+00	6.77E+00	5.28E-01	1.04E+01	1.46E+00	6.99E-05	7.43E-02	1.54E-02	1.55E+00	1.77E+00	1.61E+00	6.77E+00	5.28E-01	1.07E+01
2097	495261.06	3859601.99	9.01796	2.08119	34.926	7.18183	1.47E+00	1.61E+00	6.77E+00	5.29E-01	1.04E+01	1.45E+00	6.99E-05	7.43E-02	1.55E-02	1.54E+00	1.76E+00	1.61E+00	6.77E+00	5.29E-01	1.07E+01
2098	495311.06	3859601.99	9.00103	2.08555	34.83	7.18193	1.47E+00	1.62E+00	6.75E+00	5.29E-01	1.04E+01	1.45E+00	7.01E-05	7.41E-02	1.55E-02	1.54E+00	1.76E+00	1.62E+00	6.75E+00	5.29E-01	1.07E+01
2099	495361.06	3859601.99	8.94881	2.06838	34.95	7.19508	1.46E+00	1.60E+00	6.78E+00	5.30E-01	1.04E+01	1.44E+00	6.95E-05	7.43E-02	1.55E-02	1.53E+00	1.75E+00	1.60E+00	6.78E+00	5.30E-01	1.07E+01
2100	495411.06	3859601.99	8.91395	2.06836	34.82	7.19031	1.46E+00	1.60E+00	6.75E+00	5.29E-01	1.03E+01	1.44E+00	6.95E-05	7.40E-02	1.55E-02	1.53E+00	1.74E+00	1.60E+00	6.75E+00	5.29E-01	1.06E+01
2101	495461.06	3859601.99	8.78699	2.00663	35.351	7.20864	1.44E+00	1.56E+00	6.85E+00	5.31E-01	1.04E+01	1.42E+00	6.74E-05	7.52E-02	1.55E-02	1.51E+00	1.72E+00	1.56E+00	6.85E+00	5.31E-01	1.07E+01
2102	495511.06	3859601.99	8.66009	1.95535	35.665	7.19263	1.42E+00	1.52E+00	6.92E+00	5.30E-01	1.04E+01	1.40E+00	6.57E-05	7.58E-02	1.55E-02	1.49E+00	1.69E+00	1.52E+00	6.92E+00	5.30E-01	1.07E+01
2103	495561.06	3859601.99	8.63008	1.9682	35.294	7.17872	1.41E+00	1.53E+00	6.84E+00	5.29E-01	1.03E+01	1.39E+00	6.61E-05	7.50E-02	1.55E-02	1.48E+00	1.69E+00	1.53E+00	6.84E+00	5.29E-01	1.06E+01
2104	495611.06	3859601.99	8.46869	1.9047	35.588	7.12832	1.39E+00	1.48E+00	6.90E+00	5.25E-01	1.03E+01	1.36E+00	6.40E-05	7.57E-02	1.53E-02	1.46E+00	1.66E+00	1.48E+00	6.90E+00	5.25E-01	1.06E+01
2105	495661.06	3859601.99	8.4041	1.90141	35.381	7.10197	1.37E+00	1.47E+00	6.86E+00	5.23E-01	1.02E+01	1.35E+00	6.39E-05	7.52E-02	1.53E-02	1.44E+00	1.64E+00	1.48E+00	6.86E+00	5.23E-01	1.05E+01
2106	494311.06	3859651.99	10.4597	3.34415	28.577	4.93242	1.71E+00	2.59E+00	5.54E+00	3.63E-01	1.02E+01	1.69E+00	1.12E-04	6.08E-02	1.06E-02	1.76E+00	2.05E+00	2.59E+00	5.54E+00	3.63E-01	1.05E+01
2107	494361.06	3859651.99	10.4193	3.08164	32.197	5.35183	1.70E+00	2.39E+00	6.24E+00	3.94E-01	1.07E+01	1.68E+00	1.04E-04	6.85E-02	1.15E-02	1.76E+00	2.04E+00	2.39E+00	6.24E+00	3.94E-01	1.11E+01
2108	494411.06	3859651.99	10.3421	3.03141	32.611	5.43477	1.69E+00	2.35E+00	6.32E+00	4.00E-01	1.08E+01	1.67E+00	1.02E-04	6.93E-02	1.17E-02	1.75E+00	2.02E+00	2.35E+00	6.32E+00	4.00E-01	1.11E+01
2109	494461.06	3859651.99	10.2754	3.11327	30.886	5.31418	1.68E+00	2.41E+00	5.99E+00	3.91E-01	1.05E+01	1.66E+00	1.05E-04	6.57E-02	1.14E-02	1.73E+00	2.01E+00	2.42E+00	5.99E+00	3.91E-01	1.08E+01
2110	494511.06	3859651.99	10.2093	3.04569	31.488	5.42486	1.67E+00	2.36E+00	6.11E+00	3.99E-01	1.05E+01	1.65E+00	1.02E-04	6.69E-02	1.17E-02	1.72E+00	2.00E+00	2.36E+00	6.11E+00	3.99E-01	1.09E+01
2111	494561.06	3859651.99	10.1606	3.03167	31.218	5.47411	1.66E+00	2.35E+00	6.05E+00	4.03E-01	1.05E+01	1.64E+00	1.02E-04	6.64E-02	1.18E-02	1.72E+00	1.99E+00	2.35E+00	6.05E+00	4.03E-01	1.08E+01
2112	494611.06	3859651.99	10.0983	3.00747	31.082	5.55486	1.65E+00	2.33E+00	6.03E+00	4.09E-01	1.04E+01	1.63E+00	1.01E-04	6.61E-02	1.20E-02	1.71E+00	1.98E+00	2.33E+00	6.03E+00	4.09E-01	1.07E+01
2113	494661.06	3859651.99	9.99495	2.76116	33.99	6.02489	1.63E+00	2.14E+00	6.59E+00	4.44E-01	1.08E+01	1.61E+00	9.28E-05	7.23E-02	1.30E-02	1.70E+00	1.96E+00	2.14E+00	6.59E+00	4.44E-01	1.11E+01
2114	494711.06	3859651.99	9.91525	2.74783	33.746	6.10162	1.62E+00	2.13E+00	6.54E+00	4.49E-01	1.07E+01	1.60E+00	9.23E-05	7.17E-02	1.31E-02	1.68E+00	1.94E+00	2.13E+00	6.54E+00	4.49E-01	1.11E+01
2115	494761.06	3859651.99	9.85497	2.79247	33.327	6.12973	1.61E+00	2.17E+00	6.46E+00	4.51E-01	1.07E+01	1.59E+00	9.38E-05	7.09E-02	1.32E-02	1.67E+00	1.93E+00	2.17E+00	6.46E+00	4.51E-01	1.10E+01
2116	494811.06	3859651.99	9.7513	2.6998	34.575	6.34614	1.59E+00	2.09E+00	6.70E+00	4.67E-01	1.09E+01	1.57E+00	9.07E-05	7.35E-02	1.37E-02	1.66E+00	1.91E+00	2.09E+00	6.70E+00	4.67E-01	1.12E+01
2117	494861.06	3859651.99	9.66248	2.68746	34.212	6.41322	1.58E+00	2.08E+00	6.63E+00	4.72E-01	1.08E+01	1.56E+00	9.03E-05	7.27E-02	1.38E-02	1.64E+00	1.89E+00	2.08E+00	6.63E+00	4.72E-01	1.11E+01
2118	494911.06	3859651.99	9.54941	2.63955	34.555	6.54092	1.56E+00	2.05E+00	6.70E+00	4.82E-01	1.08E+01	1.54E+00	8.87E-05	7.35E-02	1.41E-02	1.63E+00	1.87E+00	2.05E+00	6.70E+00	4.82E-01	1.11E+01
2119	494961.06	3859651.99	9.43724	2.62467	34.319	6.61633	1.54E+00	2.04E+00	6.65E+00	4.87E-01	1.07E+01	1.52E+00	8.82E-05	7.30E-02	1.42E-02	1.61E+00	1.85E+00	2.04E+00	6.65E+00	4.87E-01	1.10E+01
2120	495011.06	3859651.99	9.3374	2.27069	34.384	6.71451	1.53E+00	1.76E+00	6.67E+00	4.94E-01	1.05E+01	1.50E+00	7.63E-05	7.31E-02	1.45E-02	1.59E+00	1.83E+00	1.76E+00	6.67E+00	4.94E-01	1.08E+01
2121	495061.06	3859651.99	9.28987	2.27513	33.724	6.75051	1.52E+00	1.76E+00	6.54E+00	4.97E-01	1.03E+01	1.50E+00	7.64E-05	7.17E-02	1.45E-02	1.58E+00	1.82E+00	1.76E+00	6.54E+00	4.97E-01	1.06E+01
2122	495111.06	3859651.99	9.21048	2.236	33.961	6.85617	1.51E+00	1.73E+00	6.59E+00	5.05E-01	1.03E+01	1.48E+00	7.51E-05	7.22E-02	1.48E-02	1.57E+00	1.80E+00	1.73E+00	6.59E+00	5.05E-01	1.06E+01
2123	495161.06	3859651.99	9.19352	2.22505	33.584	6.90935	1.50E+00	1.73E+00	6.51E+00	5.09E-01	1.03E+01	1.48E+00	7.47E-05	7.14E-02	1.49E-02	1.57E+00	1.80E+00	1.73E+00	6.51E+00	5.09E-01	1.05E+01
2124	495211.06	3859651.99	9.17618	2.22793	32.888	6.93486	1.50E+00	1.73E+00	6.38E+00	5.11E-01	1.01E+01	1.48E+00	7.48E-05	6.99E-02	1.49E-02	1.56E+00	1.80E+00	1.73E+00	6.38E+00	5.11E-01	1.04E+01
2125	495261.06	3859651.99	9.13697	2.21122	32.593	6.98726	1.49E+00	1.72E+00	6.32E+00	5.14E-01	1.00E+01	1.47E+00	7.43E-05	6.93E-02	1.50E-02	1.56E+00	1.79E+00	1.72E+00	6.32E+00	5.14E-01	1.03E+01
2126	495311.06	3859651.99	9.09818	2.20582	32.484	7.01761	1.49E+00	1.71E+00	6.30E+00	5.17E-01	1.00E+01	1.47E+00	7.41E-05	6.91E-02	1.51E-02	1.55E+00	1.78E+00	1.71E+00	6.30E+00	5.17E-01	1.03E+01
2127	495361.06	3859651.99	9.06428	2.2065	32.602	7.0359	1.48E+00	1.71E+00	6.32E+00	5.18E-01	1.00E+01	1.46E+00	7.41E-05	6.93E-02	1.51E-02	1.55E+00	1.77E+00	1.71E+00	6.32E+00	5.18E-01	1.03E+01
2128	495411.06	3859651.99	9.02608	2.1888	32.873	7.07425	1.48E+00	1.70E+00	6.37E+00	5.21E-01	1.01E+01	1.45E+00	7.35E-05	6.99E-02	1.52E-02	1.54E+00	1.77E+00	1.70E+00	6.37E+00	5.21E-01	1.04E+01
2129	495461.06	3859651.99	8.9405	2.12234	33.628	7.15995	1.46E+00	1.65E+00	6.52E+00	5.27E-01	1.02E+01	1.44E+00	7.13E-05	7.15E-02	1.54E-02	1.53E+00	1.75E+00	1.65E+00	6.52E+00	5.27E-01	1.04E+01
2130	495511.06	3859651.99	8.85541	2.07289	34.151	7.20381	1.45E+00	1.61E+00	6.62E+00	5.30E-01	1.02E+01	1.43E+00	6.96E-05	7.26E-02	1.55E-02	1.52E+00	1.73E+00	1.61E+00	6.62E+00	5.30E-01	1.05E+01
2131	495561.06	3859651.99	8.81416	2.0689	34.144	7.20459	1.44E+00	1.60E+00	6.62E+00	5.30E-01	1.02E+01	1.42E+00	6.95E-05	7.26E-02	1.55E-02	1.51E+00	1.72E+00	1.60E+00	6.62E+00	5.30E-01	1.05E+01

2132	495611.06	3859651.99	8.74131	2.0439	34.319	7.21161	1.43E+00	1.59E+00	6.65E+00	5.31E-01	1.02E+01	1.41E+00	6.87E-05	7.30E-02	1.55E-02	1.50E+00	1.71E+00	1.59E+00	6.65E+00	5.31E-01	1.05E+01
2133	495661.06	3859651.99	8.64985	2.01109	34.522	7.21051	1.41E+00	1.56E+00	6.69E+00	5.31E-01	1.02E+01	1.39E+00	6.76E-05	7.34E-02	1.55E-02	1.48E+00	1.69E+00	1.56E+00	6.69E+00	5.31E-01	1.05E+01
2134	494311.06	3859701.99	10.5172	3.20546	30.398	5.05878	1.72E+00	2.49E+00	5.89E+00	3.72E-01	1.05E+01	1.69E+00	1.08E-04	6.46E-02	1.09E-02	1.77E+00	2.06E+00	2.49E+00	5.89E+00	3.72E-01	1.08E+01
2135	494361.06	3859701.99	10.419	3.16359	31.573	5.15907	1.70E+00	2.45E+00	6.12E+00	3.80E-01	1.07E+01	1.68E+00	1.06E-04	6.71E-02	1.11E-02	1.76E+00	2.04E+00	2.45E+00	6.12E+00	3.80E-01	1.10E+01
2136	494411.06	3859701.99	10.3767	3.17438	31.208	5.15256	1.70E+00	2.46E+00	6.05E+00	3.79E-01	1.06E+01	1.67E+00	1.07E-04	6.64E-02	1.11E-02	1.75E+00	2.03E+00	2.46E+00	6.05E+00	3.79E-01	1.09E+01
2137	494461.06	3859701.99	10.3015	3.3111	28.921	4.93939	1.68E+00	2.57E+00	5.61E+00	3.64E-01	1.02E+01	1.66E+00	1.11E-04	6.15E-02	1.06E-02	1.73E+00	2.02E+00	2.57E+00	5.61E+00	3.64E-01	1.06E+01
2138	494511.06	3859701.99	10.2391	3.26534	29.302	5.02234	1.67E+00	2.53E+00	5.68E+00	3.70E-01	1.03E+01	1.65E+00	1.10E-04	6.23E-02	1.08E-02	1.72E+00	2.00E+00	2.53E+00	5.68E+00	3.70E-01	1.06E+01
2139	494561.06	3859701.99	10.1685	3.26058	29.044	5.05551	1.66E+00	2.53E+00	5.63E+00	3.72E-01	1.02E+01	1.64E+00	1.10E-04	6.18E-02	1.09E-02	1.71E+00	1.99E+00	2.53E+00	5.63E+00	3.72E-01	1.05E+01
2140	494611.06	3859701.99	10.097	3.24412	28.924	5.11127	1.65E+00	2.52E+00	5.61E+00	3.76E-01	1.02E+01	1.63E+00	1.09E-04	6.15E-02	1.10E-02	1.70E+00	1.98E+00	2.52E+00	5.61E+00	3.76E-01	1.05E+01
2141	494661.06	3859701.99	10.0455	2.98935	32.473	5.55888	1.64E+00	2.32E+00	6.30E+00	4.09E-01	1.07E+01	1.62E+00	1.00E-04	6.90E-02	1.20E-02	1.70E+00	1.97E+00	2.32E+00	6.30E+00	4.09E-01	1.10E+01
2142	494711.06	3859701.99	9.99664	3.03367	31.321	5.52337	1.64E+00	2.35E+00	6.07E+00	4.07E-01	1.05E+01	1.61E+00	1.02E-04	6.66E-02	1.19E-02	1.69E+00	1.96E+00	2.35E+00	6.07E+00	4.07E-01	1.08E+01
2143	494761.06	3859701.99	9.92778	2.95746	32.061	5.73128	1.62E+00	2.29E+00	6.22E+00	4.22E-01	1.06E+01	1.60E+00	9.93E-05	6.82E-02	1.23E-02	1.68E+00	1.94E+00	2.29E+00	6.22E+00	4.22E-01	1.09E+01
2144	494811.06	3859701.99	9.84245	2.87792	32.973	5.94089	1.61E+00	2.23E+00	6.39E+00	4.37E-01	1.07E+01	1.59E+00	9.67E-05	7.01E-02	1.28E-02	1.67E+00	1.93E+00	2.23E+00	6.39E+00	4.37E-01	1.10E+01
2145	494861.06	3859701.99	9.79593	2.93081	31.506	5.88689	1.60E+00	2.27E+00	6.11E+00	4.33E-01	1.04E+01	1.58E+00	9.85E-05	6.70E-02	1.27E-02	1.66E+00	1.92E+00	2.27E+00	6.11E+00	4.33E-01	1.07E+01
2146	494911.06	3859701.99	9.7201	2.87752	32.044	6.0416	1.59E+00	2.23E+00	6.21E+00	4.45E-01	1.05E+01	1.57E+00	9.67E-05	6.81E-02	1.30E-02	1.65E+00	1.90E+00	2.23E+00	6.21E+00	4.45E-01	1.08E+01
2147	494961.06	3859701.99	9.63163	2.8287	32.472	6.18327	1.58E+00	2.19E+00	6.30E+00	4.55E-01	1.05E+01	1.55E+00	9.50E-05	6.90E-02	1.33E-02	1.63E+00	1.88E+00	2.19E+00	6.30E+00	4.55E-01	1.08E+01
2148	495011.06	3859701.99	9.54617	2.83028	31.911	6.22422	1.56E+00	2.20E+00	6.19E+00	4.58E-01	1.04E+01	1.54E+00	9.51E-05	6.78E-02	1.34E-02	1.62E+00	1.87E+00	2.20E+00	6.19E+00	4.58E-01	1.07E+01
2149	495061.06	3859701.99	9.4418	2.80071	31.918	6.32255	1.54E+00	2.17E+00	6.19E+00	4.65E-01	1.04E+01	1.52E+00	9.41E-05	6.79E-02	1.36E-02	1.60E+00	1.85E+00	2.17E+00	6.19E+00	4.65E-01	1.07E+01
2150	495111.06	3859701.99	9.32703	2.76904	31.94	6.42119	1.53E+00	2.15E+00	6.19E+00	4.73E-01	1.03E+01	1.50E+00	9.30E-05	6.79E-02	1.38E-02	1.58E+00	1.83E+00	2.15E+00	6.19E+00	4.73E-01	1.06E+01
2151	495161.06	3859701.99	9.25225	2.72652	32.141	6.53537	1.51E+00	2.11E+00	6.23E+00	4.81E-01	1.03E+01	1.49E+00	9.16E-05	6.83E-02	1.41E-02	1.57E+00	1.81E+00	2.12E+00	6.23E+00	4.81E-01	1.06E+01
2152	495211.06	3859701.99	9.18607	2.67854	32.416	6.65304	1.50E+00	2.08E+00	6.29E+00	4.90E-01	1.04E+01	1.48E+00	9.00E-05	6.89E-02	1.43E-02	1.56E+00	1.80E+00	2.08E+00	6.29E+00	4.90E-01	1.07E+01
2153	495261.06	3859701.99	9.16851	2.71108	31.187	6.62577	1.50E+00	2.10E+00	6.05E+00	4.88E-01	1.01E+01	1.48E+00	9.11E-05	6.63E-02	1.43E-02	1.56E+00	1.79E+00	2.10E+00	6.05E+00	4.88E-01	1.04E+01
2154	495311.06	3859701.99	9.14614	2.67531	31.269	6.72218	1.50E+00	2.08E+00	6.06E+00	4.95E-01	1.01E+01	1.47E+00	8.99E-05	6.65E-02	1.45E-02	1.55E+00	1.79E+00	2.08E+00	6.06E+00	4.95E-01	1.04E+01
2155	495361.06	3859701.99	9.11573	2.3232	31.191	6.7996	1.49E+00	1.80E+00	6.05E+00	5.01E-01	9.84E+00	1.47E+00	7.80E-05	6.63E-02	1.46E-02	1.55E+00	1.78E+00	1.80E+00	6.05E+00	5.01E-01	1.01E+01
2156	495411.06	3859701.99	9.05915	2.27201	31.642	6.91914	1.48E+00	1.76E+00	6.14E+00	5.09E-01	9.89E+00	1.46E+00	7.63E-05	6.73E-02	1.49E-02	1.54E+00	1.77E+00	1.76E+00	6.14E+00	5.09E-01	1.02E+01
2157	495461.06	3859701.99	9.00807	2.24327	31.62	6.98964	1.47E+00	1.74E+00	6.13E+00	5.15E-01	9.86E+00	1.45E+00	7.54E-05	6.72E-02	1.50E-02	1.53E+00	1.76E+00	1.74E+00	6.13E+00	5.15E-01	1.01E+01
2158	495511.06	3859701.99	8.90722	2.15245	32.731	7.13076	1.46E+00	1.67E+00	6.35E+00	5.25E-01	1.00E+01	1.44E+00	7.23E-05	6.96E-02	1.54E-02	1.52E+00	1.74E+00	1.67E+00	6.35E+00	5.25E-01	1.03E+01
2159	495561.06	3859701.99	8.92097	2.19581	32.041	7.09239	1.46E+00	1.70E+00	6.21E+00	5.22E-01	9.90E+00	1.44E+00	7.38E-05	6.81E-02	1.53E-02	1.52E+00	1.75E+00	1.70E+00	6.21E+00	5.22E-01	1.02E+01
2160	495611.06	3859701.99	8.87876	2.17362	32.362	7.13051	1.45E+00	1.69E+00	6.28E+00	5.25E-01	9.94E+00	1.43E+00	7.30E-05	6.88E-02	1.54E-02	1.51E+00	1.74E+00	1.69E+00	6.28E+00	5.25E-01	1.02E+01
2161	495661.06	3859701.99	8.82055	2.14361	32.722	7.1687	1.44E+00	1.66E+00	6.35E+00	5.28E-01	9.98E+00	1.42E+00	7.20E-05	6.96E-02	1.54E-02	1.51E+00	1.73E+00	1.66E+00	6.35E+00	5.28E-01	1.03E+01
2162	494311.06	3859751.99	10.6104	3.45795	27.7	4.78578	1.74E+00	2.68E+00	5.37E+00	3.52E-01	1.01E+01	1.71E+00	1.16E-04	5.89E-02	1.03E-02	1.78E+00	2.08E+00	2.68E+00	5.37E+00	3.52E-01	1.05E+01
2163	494361.06	3859751.99	10.4953	3.41675	28.078	4.83068	1.72E+00	2.65E+00	5.44E+00	3.56E-01	1.02E+01	1.69E+00	1.15E-04	5.97E-02	1.04E-02	1.76E+00	2.05E+00	2.65E+00	5.44E+00	3.56E-01	1.05E+01
2164	494411.06	3859751.99	10.3988	3.34262	28.797	4.91771	1.70E+00	2.59E+00	5.58E+00	3.62E-01	1.02E+01	1.68E+00	1.12E-04	6.12E-02	1.06E-02	1.75E+00	2.03E+00	2.59E+00	5.58E+00	3.62E-01	1.06E+01
2165	494461.06	3859751.99	10.2593	3.44633	27.382	4.77225	1.68E+00	2.67E+00	5.31E+00	3.51E-01	1.00E+01	1.65E+00	1.16E-04	5.82E-02	1.03E-02	1.72E+00	2.01E+00	2.67E+00	5.31E+00	3.51E-01	1.03E+01
2166	494511.06	3859751.99	10.1892	3.49389	26.621	4.69835	1.67E+00	2.71E+00	5.16E+00	3.46E-01	9.88E+00	1.64E+00	1.17E-04	5.66E-02	1.01E-02	1.71E+00	1.99E+00	2.71E+00	5.16E+00	3.46E-01	1.02E+01
2167	494561.06	3859751.99	10.1562	3.4552	26.777	4.7392	1.66E+00	2.68E+00	5.19E+00	3.49E-01	9.88E+00	1.64E+00	1.16E-04	5.69E-02	1.02E-02	1.70E+00	1.99E+00	2.68E+00	5.19E+00	3.49E-01	1.02E+01
2168	494611.06	3859751.99	10.1199	3.37491	27.621	4.83444	1.66E+00	2.62E+00	5.36E+00	3.56E-01	9.99E+00	1.63E+00	1.13E-04	5.87E-02	1.04E-02	1.70E+00	1.98E+00	2.62E+00	5.36E+00	3.56E-01	1.03E+01
2169	494661.06	3859751.99	10.0748	3.1679	29.709	5.13107	1.65E+00	2.46E+00	5.76E+00	3.78E-01	1.02E+01	1.62E+00	1.06E-04	6.32E-02	1.10E-02	1.70E+00	1.97E+00	2.46E+00	5.76E+00	3.78E-01	1.06E+01
2170	494711.06	3859751.99	10.005	3.24684	28.968	5.0932	1.64E+00	2.52E+00	5.62E+00	3.75E-01	1.01E+01	1.61E+00	1.09E-04	6.16E-02	1.10E-02	1.68E+00	1.96E+00	2.52E+00	5.62E+00	3.75E-01	1.05E+01
2171	494761.06	3859751.99	9.92909	3.24191	28.725	5.13036	1.62E+00	2.51E+00	5.57E+00	3.78E-01	1.01E+01	1.60E+00	1.09E-04	6.11E-02	1.10E-02	1.67E+00	1.94E+00	2.51E+00	5.57E+00	3.78E-01	1.04E+01
2172	494811.06	3859751.99	9.88199	3.17707	29.348	5.27183	1.62E+00	2.46E+00	5.69E+00	3.88E-01	1.02E+01	1.59E+00	1.07E-04	6.24E-02	1.13E-02	1.67E+00	1.93E+00	2.46E+00	5.69E+00	3.88E-01	1.05E+01
2173	494861.06	3859751.99	9.82932	3.15494	29.3	5.33703	1.61E+00	2.45E+00	5.68E+00	3.93E-01	1.01E+01	1.58E+00	1.06E-04	6.23E-02	1.15E-02	1.66E+00	1.92E+00	2.45E+00	5.68E+00	3.93E-01	1.04E+01
2174	494911.06	3859751.99	9.76644	3.12841	29.292	5.41955	1.60E+00	2.43E+00	5.68E+00	3.99E-01	1.01E+01	1.57E+00	1.05E-04	6.23E-02	1.17E-02	1.65E+00	1.91E+00	2.43E+00	5.68E+00	3.99E-01	1.04E+01
2175	494961.06	3859751.99	9.71813	3.10209	29.254	5.52579	1.59E+00	2.41E+00	5.67E+00	4.07E-01	1.01E+01	1.57E+00	1.04E-04	6.22E-02	1.19E-02	1.64E+00	1.90E+00	2.41E+00	5.67E+00	4.07E-01	1.04E+01
2176	495011.06	3859751.99	9.65898	3.0646	29.365	5.65539	1.58E+00	2.38E+00	5.69E+00	4.16E-01	1.01E+01	1.56E+00	1.03E-04	6.24E-02	1.22E-02	1.63E+00	1.89E+00	2.38E+00	5.69E+00	4.16E-01	1.04E+01
2177	495061.06	3859751.99	9.58806	3.06298	28.901	5.70351	1.57E+00	2.38E+00	5.60E+00	4.20E-01	9.97E+00	1.54E+00	1.03E-04	6.14E-02	1.23E-02	1.62E+00	1.88E+00	2.38E+00	5.60E+00	4.20E-01	1.03E+01
2178	495111.06	3859751.99	9.50688	3.02653	28.949	5.82663	1.55E+00	2.35E+00	5.61E+00	4.29E-01	9.94E+00	1.53E+00	1.02E-04	6.15E-02	1.25E-02	1.61E+00	1.86E+00	2.35E+00	5.61E+00	4.29E-01	1.03E+01
2179	495161.06	3859751.99	9.41387	2.97781	29.288	5.97407	1.54E+00	2.31E+00	5.68E+00	4.40E-01	9.97E+00	1.52E+00	1.00E-04	6.23E-02	1.29E-02	1.59E+00	1.84E+00	2.31E+00	5.68E+00	4.40E-01	1.03E+01
2180	495211.06	3859751.99	9.30844	2.92405	29.788	6.12838	1.52E+00	2.27E+00	5.78E+00	4.51E-01	1.00E+01	1.50E+00	9.82E-05	6.33E-02	1.32E-02	1.58E+00	1.82E+00	2.27E+00	5.78E+00	4.51E-01	1.03E+01
2181	495261.06	3859751.99	9.19813	2.91405	29.465	6.18624	1.50E+00	2.26E+00	5.71E+00	4.55E-01	9.93E+00	1.48E+00	9.79E-05	6.26E-02	1.33E-02	1.56E+00	1.80E+00	2.26E+00	5.71E+00	4.55E-01	1.02E+01
2182	495311.06	3859751.99	9.15054	2.87374	29.673	6.30492	1.50E+00	2.23E+00	5.75E+00	4.64E-01	9.94E+00	1.47E+00	9.65E-05	6.31E-02	1.36E-02	1.55E+00	1.79E+00	2.23E+00	5.75E+00	4.64E-01	1.02E+01
2183	495361.06	3859751.99	9.0941	2.84285	29.688	6.39995	1.49E+00	2.21E+00	5.76E+00	4.71E-01	9.92E+00	1.47E+00	9.55E-05	6.31E-02	1.38E-02	1.54E+00	1.78E+00	2.21E+00	5.76E+00	4.71E-01	1.02E+01
2184	495411.06	3859751.99	9.07941	2.81389	29.648	6.48708	1.49E+00	2.18E+00	5.75E+00	4.78E-01	9.89E+00	1.46E+00	9.45E-05	6.30E-02	1.40E-02	1.54E+00	1.78E+00	2.18E+00	5.75E+00	4.78E-01	1.02E+01
2185	495461.06	3859751.99	9.05002	2.7417	30.362	6.6521	1.48E+00	2.13E+00	5.89E+00	4.90E-01	9.98E+00	1.46E+00	9.21E-05	6.46E-02	1.43E-02	1.54E+00	1.77E+00	2.13E+00	5.89E+00	4.90E-01	1.03E+01
2186	495511.06	3859751.99	9.0066	2.67549	31.037	6.80229	1.47E+00	2.08E+00	6.02E+00	5.01E-01	1.01E+01	1.45E+00	8.99E-05	6.60E-02	1.46E-02	1.53E+00	1.76E+00	2.08E+00	6.02E+00	5.01E-01	1.04E+01
2187	495561.06	3859751.99	8.96822	2.30913	30.946	6.87294	1.47E+00	1.79E+00	6.00E+00	5.06E-01	9.76E+00	1.45E+00	7.76E-05	6.58E-02	1.48E-02	1.53E+00	1.75E+00	1.79E+00	6.00E+00	5.06E-01	1.01E+01
2188	495611.06	3859751.99	8.93294	2.28886	30.814	6.93606	1.46E+00	1.78E+00	5.98E+00	5.11E-01	9.72E+00	1.44E+00	7.69E-05	6.55E-02	1.49E-02	1.52E+00	1.75E+00	1.78E+00	5.98E+00	5.11E-01	1.00E+01
2189	495661.06	3859751.99	8.90365	2.28746	30.413	6.96218	1.46E+00	1.77E+00	5.90E+00	5.13E-01	9.64E+00	1.43E+00	7.68E-05	6.47E-02	1.50E-02	1.51E+00	1.74E+00	1.77E+00	5.90E+00	5.13E-01	9.93E+00
2190	494311.06	3859801.99	10.6389	3.65666	24.64	4.53161	1.74E+00	2.84E+00	4.78E+00	3.34E-01	9.69E+00	1.71E+00	1.23E-04	5.24E-02	9.76E-03	1.78E+00	2.08E+00	2.84E+00	4.78E+00	3.34E-01	1.00E+01
2191	494361.06	3859801.99	10.5608	3.55841	25.768	4.63689	1.73E+00	2.76E+00	5.00E+00	3.41E-01	9.83E+00	1.70E+00	1.20E-04	5.48E-02	9.98E-03	1.77E+00	2.07E+00	2.76E+00	5.00E+00	3.41E-01	1.02E+01
2192	494411.06	3859801.99	10.4965	3.44902	27.032	4.76242	1.72E+00	2.68E+00	5.24E+00	3.51E-01	9.98E+00	1.69E+00	1.16E-04	5.75E-02	1.03E-02	1.76E+00	2.05E+00	2.68E+00	5.24E+00	3.51E-01	1.03E+01

2193	494461.06	3859801.99	10.3222	3.54082	26.01	4.64238	1.69E+00	2.75E+00	5.04E+00	3.42E-01	9.82E+00	1.66E+00	1.19E-04	5.53E-02	9.99E-03	1.73E+00	2.02E+00	2.75E+00	5.04E+00	3.42E-01	1.02E+01
2194	494511.06	3859801.99	10.1376	3.64948	24.799	4.50962	1.66E+00	2.83E+00	4.81E+00	3.32E-01	9.63E+00	1.63E+00	1.23E-04	5.27E-02	9.71E-03	1.70E+00	1.98E+00	2.83E+00	4.81E+00	3.32E-01	9.96E+00
2195	494561.06	3859801.99	10.0629	3.62009	25.001	4.53535	1.65E+00	2.81E+00	4.85E+00	3.34E-01	9.64E+00	1.62E+00	1.22E-04	5.32E-02	9.76E-03	1.68E+00	1.97E+00	2.81E+00	4.85E+00	3.34E-01	9.96E+00
2196	494611.06	3859801.99	10.0709	3.46196	26.571	4.71087	1.65E+00	2.69E+00	5.15E+00	3.47E-01	9.83E+00	1.62E+00	1.16E-04	5.65E-02	1.01E-02	1.69E+00	1.97E+00	2.69E+00	5.15E+00	3.47E-01	1.02E+01
2197	494661.06	3859801.99	10.0509	3.41249	26.928	4.77142	1.64E+00	2.65E+00	5.22E+00	3.51E-01	9.86E+00	1.62E+00	1.15E-04	5.73E-02	1.03E-02	1.69E+00	1.97E+00	2.65E+00	5.22E+00	3.51E-01	1.02E+01
2198	494711.06	3859801.99	10.0265	3.32942	27.747	4.88261	1.64E+00	2.58E+00	5.38E+00	3.59E-01	9.96E+00	1.62E+00	1.12E-04	5.90E-02	1.05E-02	1.69E+00	1.96E+00	2.58E+00	5.38E+00	3.59E-01	1.03E+01
2199	494761.06	3859801.99	9.93243	3.42187	26.326	4.73855	1.62E+00	2.65E+00	5.10E+00	3.49E-01	9.73E+00	1.60E+00	1.15E-04	5.60E-02	1.02E-02	1.67E+00	1.94E+00	2.65E+00	5.10E+00	3.49E-01	1.01E+01
2200	494811.06	3859801.99	9.874	3.37299	26.765	4.81489	1.61E+00	2.62E+00	5.19E+00	3.54E-01	9.78E+00	1.59E+00	1.13E-04	5.69E-02	1.04E-02	1.66E+00	1.93E+00	2.62E+00	5.19E+00	3.54E-01	1.01E+01
2201	494861.06	3859801.99	9.80905	3.36532	26.64	4.85161	1.60E+00	2.61E+00	5.17E+00	3.57E-01	9.74E+00	1.58E+00	1.13E-04	5.66E-02	1.04E-02	1.65E+00	1.92E+00	2.61E+00	5.17E+00	3.57E-01	1.01E+01
2202	494911.06	3859801.99	9.74679	3.30018	27.313	5.00257	1.59E+00	2.56E+00	5.30E+00	3.68E-01	9.82E+00	1.57E+00	1.11E-04	5.81E-02	1.08E-02	1.64E+00	1.91E+00	2.56E+00	5.30E+00	3.68E-01	1.01E+01
2203	494961.06	3859801.99	9.70157	3.27553	27.37	5.07528	1.59E+00	2.54E+00	5.31E+00	3.74E-01	9.81E+00	1.56E+00	1.10E-04	5.82E-02	1.09E-02	1.63E+00	1.90E+00	2.54E+00	5.31E+00	3.74E-01	1.01E+01
2204	495011.06	3859801.99	9.65166	3.24202	27.527	5.16345	1.58E+00	2.51E+00	5.34E+00	3.80E-01	9.81E+00	1.56E+00	1.09E-04	5.85E-02	1.11E-02	1.62E+00	1.89E+00	2.51E+00	5.34E+00	3.80E-01	1.01E+01
2205	495061.06	3859801.99	9.61053	3.23071	27.33	5.20842	1.57E+00	2.51E+00	5.30E+00	3.83E-01	9.76E+00	1.55E+00	1.09E-04	5.81E-02	1.12E-02	1.62E+00	1.88E+00	2.51E+00	5.30E+00	3.83E-01	1.01E+01
2206	495111.06	3859801.99	9.56656	3.17581	27.755	5.36082	1.56E+00	2.46E+00	5.38E+00	3.95E-01	9.80E+00	1.54E+00	1.07E-04	5.90E-02	1.15E-02	1.61E+00	1.87E+00	2.46E+00	5.38E+00	3.95E-01	1.01E+01
2207	495161.06	3859801.99	9.50877	3.12856	28.049	5.51611	1.56E+00	2.43E+00	5.44E+00	4.06E-01	9.83E+00	1.53E+00	1.05E-04	5.96E-02	1.19E-02	1.60E+00	1.86E+00	2.43E+00	5.44E+00	4.06E-01	1.01E+01
2208	495211.06	3859801.99	9.43634	3.11584	27.801	5.58871	1.54E+00	2.42E+00	5.39E+00	4.11E-01	9.76E+00	1.52E+00	1.05E-04	5.91E-02	1.20E-02	1.59E+00	1.85E+00	2.42E+00	5.39E+00	4.11E-01	1.01E+01
2209	495261.06	3859801.99	9.35578	3.06357	28.132	5.75259	1.53E+00	2.38E+00	5.45E+00	4.24E-01	9.79E+00	1.51E+00	1.03E-04	5.98E-02	1.24E-02	1.58E+00	1.83E+00	2.38E+00	5.45E+00	4.24E-01	1.01E+01
2210	495311.06	3859801.99	9.26341	3.05677	27.752	5.80767	1.52E+00	2.37E+00	5.38E+00	4.28E-01	9.70E+00	1.49E+00	1.03E-04	5.90E-02	1.25E-02	1.56E+00	1.81E+00	2.37E+00	5.38E+00	4.28E-01	9.99E+00
2211	495361.06	3859801.99	9.16125	3.01581	27.88	5.93979	1.50E+00	2.34E+00	5.41E+00	4.37E-01	9.68E+00	1.48E+00	1.01E-04	5.93E-02	1.28E-02	1.55E+00	1.79E+00	2.34E+00	5.41E+00	4.37E-01	9.98E+00
2212	495411.06	3859801.99	9.06887	2.95581	28.507	6.11158	1.48E+00	2.29E+00	5.53E+00	4.50E-01	9.75E+00	1.46E+00	9.93E-05	6.06E-02	1.32E-02	1.54E+00	1.77E+00	2.29E+00	5.53E+00	4.50E-01	1.00E+01
2213	495461.06	3859801.99	9.02335	2.92174	28.646	6.22069	1.48E+00	2.27E+00	5.55E+00	4.58E-01	9.75E+00	1.45E+00	9.81E-05	6.09E-02	1.34E-02	1.53E+00	1.77E+00	2.27E+00	5.55E+00	4.58E-01	1.00E+01
2214	495511.06	3859801.99	8.97034	2.83989	29.632	6.42703	1.47E+00	2.20E+00	5.75E+00	4.73E-01	9.89E+00	1.45E+00	9.54E-05	6.30E-02	1.38E-02	1.52E+00	1.76E+00	2.20E+00	5.75E+00	4.73E-01	1.02E+01
2215	495561.06	3859801.99	8.96664	2.82114	29.446	6.49464	1.47E+00	2.19E+00	5.71E+00	4.78E-01	9.84E+00	1.44E+00	9.48E-05	6.26E-02	1.40E-02	1.52E+00	1.75E+00	2.19E+00	5.71E+00	4.78E-01	1.01E+01
2216	495611.06	3859801.99	8.96298	2.84107	28.552	6.47937	1.47E+00	2.20E+00	5.54E+00	4.77E-01	9.68E+00	1.44E+00	9.54E-05	6.07E-02	1.39E-02	1.52E+00	1.75E+00	2.20E+00	5.54E+00	4.77E-01	9.97E+00
2217	495661.06	3859801.99	8.9293	2.77391	29.197	6.63875	1.46E+00	2.15E+00	5.66E+00	4.89E-01	9.76E+00	1.44E+00	9.32E-05	6.21E-02	1.43E-02	1.52E+00	1.75E+00	2.15E+00	5.66E+00	4.89E-01	1.00E+01
2218	494311.06	3859851.99	10.6095	3.78644	22.124	4.41778	1.74E+00	2.94E+00	4.29E+00	3.25E-01	9.29E+00	1.71E+00	1.27E-04	4.70E-02	9.51E-03	1.77E+00	2.08E+00	2.94E+00	4.29E+00	3.25E-01	9.63E+00
2219	494361.06	3859851.99	10.5701	3.72312	22.917	4.48349	1.73E+00	2.89E+00	4.44E+00	3.30E-01	9.39E+00	1.70E+00	1.25E-04	4.87E-02	9.65E-03	1.76E+00	2.07E+00	2.89E+00	4.44E+00	3.30E-01	9.73E+00
2220	494411.06	3859851.99	10.5226	3.63962	23.927	4.57735	1.72E+00	2.82E+00	4.64E+00	3.37E-01	9.52E+00	1.70E+00	1.22E-04	5.09E-02	9.85E-03	1.76E+00	2.06E+00	2.82E+00	4.64E+00	3.37E-01	9.86E+00
2221	494461.06	3859851.99	10.4115	3.5977	24.452	4.61279	1.70E+00	2.79E+00	4.74E+00	3.40E-01	9.57E+00	1.68E+00	1.21E-04	5.20E-02	9.93E-03	1.74E+00	2.04E+00	2.79E+00	4.74E+00	3.40E-01	9.91E+00
2222	494511.06	3859851.99	10.2282	3.63833	23.975	4.53184	1.67E+00	2.82E+00	4.65E+00	3.34E-01	9.48E+00	1.65E+00	1.22E-04	5.10E-02	9.76E-03	1.71E+00	2.00E+00	2.82E+00	4.65E+00	3.34E-01	9.81E+00
2223	494561.06	3859851.99	10.0437	3.70591	23.229	4.42059	1.64E+00	2.87E+00	4.50E+00	3.25E-01	9.35E+00	1.62E+00	1.24E-04	4.94E-02	9.52E-03	1.68E+00	1.97E+00	2.87E+00	4.50E+00	3.25E-01	9.67E+00
2224	494611.06	3859851.99	10.0615	3.54066	25.002	4.62759	1.65E+00	2.75E+00	4.85E+00	3.41E-01	9.58E+00	1.62E+00	1.19E-04	5.32E-02	9.96E-03	1.68E+00	1.97E+00	2.75E+00	4.85E+00	3.41E-01	9.90E+00
2225	494661.06	3859851.99	9.95267	3.57213	24.609	4.57597	1.63E+00	2.77E+00	4.77E+00	3.37E-01	9.51E+00	1.60E+00	1.20E-04	5.23E-02	9.85E-03	1.67E+00	1.95E+00	2.77E+00	4.77E+00	3.37E-01	9.83E+00
2226	494711.06	3859851.99	9.92021	3.46932	25.675	4.69777	1.62E+00	2.69E+00	4.98E+00	3.46E-01	9.64E+00	1.60E+00	1.17E-04	5.46E-02	1.01E-02	1.66E+00	1.94E+00	2.69E+00	4.98E+00	3.46E-01	9.96E+00
2227	494761.06	3859851.99	9.8483	3.54536	24.718	4.59351	1.61E+00	2.75E+00	4.79E+00	3.38E-01	9.49E+00	1.59E+00	1.19E-04	5.26E-02	9.89E-03	1.65E+00	1.93E+00	2.75E+00	4.79E+00	3.38E-01	9.81E+00
2228	494811.06	3859851.99	9.82625	3.50847	24.961	4.63138	1.61E+00	2.72E+00	4.84E+00	3.41E-01	9.51E+00	1.58E+00	1.18E-04	5.31E-02	9.97E-03	1.65E+00	1.92E+00	2.72E+00	4.84E+00	3.41E-01	9.83E+00
2229	494861.06	3859851.99	9.76555	3.51899	24.647	4.60918	1.60E+00	2.73E+00	4.78E+00	3.39E-01	9.45E+00	1.57E+00	1.18E-04	5.24E-02	9.92E-03	1.64E+00	1.91E+00	2.73E+00	4.78E+00	3.39E-01	9.76E+00
2230	494911.06	3859851.99	9.72629	3.46011	25.049	4.67363	1.59E+00	2.68E+00	4.86E+00	3.44E-01	9.48E+00	1.57E+00	1.16E-04	5.33E-02	1.01E-02	1.63E+00	1.90E+00	2.68E+00	4.86E+00	3.44E-01	9.79E+00
2231	494961.06	3859851.99	9.67044	3.43514	25.108	4.695	1.58E+00	2.66E+00	4.87E+00	3.46E-01	9.46E+00	1.56E+00	1.15E-04	5.34E-02	1.01E-02	1.62E+00	1.89E+00	2.66E+00	4.87E+00	3.46E-01	9.77E+00
2232	495011.06	3859851.99	9.61209	3.40674	25.239	4.71998	1.57E+00	2.64E+00	4.89E+00	3.48E-01	9.46E+00	1.55E+00	1.14E-04	5.37E-02	1.02E-02	1.61E+00	1.88E+00	2.64E+00	4.89E+00	3.48E-01	9.77E+00
2233	495061.06	3859851.99	9.53396	3.39828	25.11	4.75442	1.56E+00	2.64E+00	4.87E+00	3.50E-01	9.41E+00	1.54E+00	1.14E-04	5.34E-02	1.02E-02	1.60E+00	1.87E+00	2.64E+00	4.87E+00	3.50E-01	9.72E+00
2234	495111.06	3859851.99	9.51136	3.33402	25.626	4.88471	1.56E+00	2.59E+00	4.97E+00	3.60E-01	9.47E+00	1.53E+00	1.12E-04	5.45E-02	1.05E-02	1.60E+00	1.86E+00	2.59E+00	4.97E+00	3.60E-01	9.78E+00
2235	495161.06	3859851.99	9.48485	3.29591	25.886	4.98546	1.55E+00	2.56E+00	5.02E+00	3.67E-01	9.49E+00	1.53E+00	1.11E-04	5.50E-02	1.07E-02	1.59E+00	1.86E+00	2.56E+00	5.02E+00	3.67E-01	9.80E+00
2236	495211.06	3859851.99	9.44995	3.26567	26.009	5.07033	1.55E+00	2.53E+00	5.04E+00	3.73E-01	9.50E+00	1.52E+00	1.10E-04	5.53E-02	1.09E-02	1.59E+00	1.85E+00	2.53E+00	5.04E+00	3.73E-01	9.80E+00
2237	495261.06	3859851.99	9.40514	3.22604	26.242	5.1773	1.54E+00	2.50E+00	5.09E+00	3.81E-01	9.51E+00	1.52E+00	1.08E-04	5.58E-02	1.11E-02	1.58E+00	1.84E+00	2.50E+00	5.09E+00	3.81E-01	9.81E+00
2238	495311.06	3859851.99	9.34271	3.21088	26.094	5.25673	1.53E+00	2.49E+00	5.06E+00	3.87E-01	9.47E+00	1.51E+00	1.08E-04	5.55E-02	1.13E-02	1.57E+00	1.83E+00	2.49E+00	5.06E+00	3.87E-01	9.77E+00
2239	495361.06	3859851.99	9.27328	3.18237	26.12	5.36867	1.52E+00	2.47E+00	5.06E+00	3.95E-01	9.45E+00	1.49E+00	1.07E-04	5.55E-02	1.16E-02	1.56E+00	1.81E+00	2.47E+00	5.06E+00	3.95E-01	9.74E+00
2240	495411.06	3859851.99	9.19685	3.12615	26.539	5.54938	1.50E+00	2.42E+00	5.15E+00	4.09E-01	9.48E+00	1.48E+00	1.05E-04	5.64E-02	1.19E-02	1.55E+00	1.80E+00	2.43E+00	5.15E+00	4.09E-01	9.78E+00
2241	495461.06	3859851.99	9.10804	3.07392	26.887	5.71764	1.49E+00	2.38E+00	5.21E+00	4.21E-01	9.51E+00	1.47E+00	1.03E-04	5.72E-02	1.23E-02	1.54E+00	1.78E+00	2.38E+00	5.21E+00	4.21E-01	9.80E+00
2242	495511.06	3859851.99	9.00859	3.00628	27.454	5.91989	1.47E+00	2.33E+00	5.32E+00	4.36E-01	9.56E+00	1.45E+00	1.01E-04	5.84E-02	1.27E-02	1.52E+00	1.76E+00	2.33E+00	5.32E+00	4.36E-01	9.85E+00
2243	495561.06	3859851.99	8.93788	3.00218	27.039	5.96436	1.46E+00	2.33E+00	5.24E+00	4.39E-01	9.47E+00	1.44E+00	1.01E-04	5.75E-02	1.28E-02	1.51E+00	1.75E+00	2.33E+00	5.24E+00	4.39E-01	9.76E+00
2244	495611.06	3859851.99	8.89509	2.98991	26.806	6.02601	1.45E+00	2.32E+00	5.20E+00	4.44E-01	9.42E+00	1.43E+00	1.00E-04	5.70E-02	1.30E-02	1.50E+00	1.74E+00	2.32E+00	5.20E+00	4.44E-01	9.70E+00
2245	495661.06	3859851.99	8.87203	2.92603	27.503	6.20812	1.45E+00	2.27E+00	5.33E+00	4.57E-01	9.51E+00	1.43E+00	9.83E-05	5.85E-02	1.34E-02	1.50E+00	1.74E+00	2.27E+00	5.33E+00	4.57E-01	9.80E+00
2246	494311.06	3859901.99	10.4521	3.92765	20.971	4.29778	1.71E+00	3.05E+00	4.07E+00	3.16E-01	9.14E+00	1.68E+00	1.32E-04	4.46E-02	9.25E-03	1.74E+00	2.05E+00	3.05E+00	4.07E+00	3.16E-01	9.48E+00
2247	494361.06	3859901.99	10.5617	3.78732	21.669	4.46433	1.73E+00	2.94E+00	4.20E+00	3.29E-01	9.20E+00	1.70E+00	1.27E-04	4.61E-02	9.61E-03	1.76E+00	2.07E+00	2.94E+00	4.20E+00	3.29E-01	9.54E+00
2248	494411.06	3859901.99	10.4466	3.80262	21.588	4.41585	1.71E+00	2.95E+00	4.19E+00	3.25E-01	9.17E+00	1.68E+00	1.28E-04	4.59E-02	9.51E-03	1.74E+00	2.04E+00	2.95E+00	4.19E+00	3.25E-01	9.51E+00
2249	494461.06	3859901.99	10.3829	3.76153	21.787	4.44524	1.70E+00	2.92E+00	4.22E+00	3.27E-01	9.17E+00	1.67E+00	1.26E-04	4.63E-02	9.57E-03	1.73E+00	2.03E+00	2.92E+00	4.22E+00	3.27E-01	9.50E+00
2250	494511.06	3859901.99	10.2514	3.76386	21.788	4.41345	1.68E+00	2.92E+00	4.22E+00	3.25E-01	9.15E+00	1.65E+00	1.26E-04	4.63E-02	9.50E-03	1.71E+00	2.01E+00	2.92E+00	4.22E+00	3.25E-01	9.48E+00
2251	494561.06	3859901.99	9.9728	3.86285	21.118	4.2433	1.63E+00	3.00E+00	4.09E+00	3.12E-01	9.03E+00	1.61E+00	1.30E-04	4.49E-02	9.13E-03	1.66E+00	1.95E+00	3.00E+00	4.09E+00	3.12E-01	9.36E+00
2252	494611.06	3859901.99	10.058	3.68162	22.761	4.48016	1.65E+00	2.86E+00	4.41E+00	3.30E-01	9.24E+00	1.62E+00	1.24E-04	4.84E-02	9.64E-03	1.68E+00	1.97E+00	2.86E+00	4.41E+00	3.30E-01	9.57E+00
2253	494661.06	3859901.99	9.85073	3.75102	22.012	4.34688	1.61E+00	2.91E+00	4.27E+00	3.20E-01	9.11E+00	1.59E+00	1.26E-04	4.68E-02	9.36E-03	1.64E+00	1.93E+00	2.91E+00	4.27E+00	3.20E-01	9.43E+00

2254	494711.06	3859901.99	9.90854	3.58775	23.802	4.57361	1.62E+00	2.78E+00	4.62E+00	3.37E-01	9.36E+00	1.60E+00	1.21E-04	5.06E-02	9.85E-03	1.66E+00	1.94E+00	2.78E+00	4.62E+00	3.37E-01	9.67E+00
2255	494761.06	3859901.99	9.77881	3.62011	23.341	4.49823	1.60E+00	2.81E+00	4.53E+00	3.31E-01	9.26E+00	1.58E+00	1.22E-04	4.96E-02	9.68E-03	1.64E+00	1.91E+00	2.81E+00	4.53E+00	3.31E-01	9.58E+00
2256	494811.06	3859901.99	9.64906	3.65304	22.829	4.41982	1.58E+00	2.83E+00	4.43E+00	3.25E-01	9.16E+00	1.55E+00	1.23E-04	4.85E-02	9.51E-03	1.61E+00	1.89E+00	2.83E+00	4.43E+00	3.25E-01	9.47E+00
2257	494861.06	3859901.99	9.5978	3.64507	22.742	4.40477	1.57E+00	2.83E+00	4.41E+00	3.24E-01	9.13E+00	1.55E+00	1.22E-04	4.84E-02	9.48E-03	1.60E+00	1.88E+00	2.83E+00	4.41E+00	3.24E-01	9.44E+00
2258	494911.06	3859901.99	9.61691	3.58189	23.273	4.4797	1.57E+00	2.78E+00	4.51E+00	3.30E-01	9.19E+00	1.55E+00	1.20E-04	4.95E-02	9.64E-03	1.61E+00	1.88E+00	2.78E+00	4.51E+00	3.30E-01	9.50E+00
2259	494961.06	3859901.99	9.5762	3.57395	23.211	4.47877	1.57E+00	2.77E+00	4.50E+00	3.30E-01	9.17E+00	1.54E+00	1.20E-04	4.94E-02	9.64E-03	1.60E+00	1.87E+00	2.77E+00	4.50E+00	3.30E-01	9.48E+00
2260	495011.06	3859901.99	9.55061	3.52728	23.54	4.5345	1.56E+00	2.74E+00	4.56E+00	3.34E-01	9.20E+00	1.54E+00	1.18E-04	5.00E-02	9.76E-03	1.60E+00	1.87E+00	2.74E+00	4.56E+00	3.34E-01	9.50E+00
2261	495061.06	3859901.99	9.4984	3.49603	23.662	4.56708	1.55E+00	2.71E+00	4.59E+00	3.36E-01	9.19E+00	1.53E+00	1.17E-04	5.03E-02	9.83E-03	1.59E+00	1.86E+00	2.71E+00	4.59E+00	3.36E-01	9.50E+00
2262	495111.06	3859901.99	9.47615	3.43197	24.122	4.64783	1.55E+00	2.66E+00	4.68E+00	3.42E-01	9.23E+00	1.53E+00	1.15E-04	5.13E-02	1.00E-02	1.59E+00	1.85E+00	2.66E+00	4.68E+00	3.42E-01	9.54E+00
2263	495161.06	3859901.99	9.43086	3.37783	24.528	4.71472	1.54E+00	2.62E+00	4.76E+00	3.47E-01	9.27E+00	1.52E+00	1.13E-04	5.22E-02	1.01E-02	1.58E+00	1.85E+00	2.62E+00	4.76E+00	3.47E-01	9.57E+00
2264	495211.06	3859901.99	9.35518	3.37776	24.309	4.70274	1.53E+00	2.62E+00	4.71E+00	3.46E-01	9.21E+00	1.51E+00	1.13E-04	5.17E-02	1.01E-02	1.57E+00	1.83E+00	2.62E+00	4.71E+00	3.46E-01	9.51E+00
2265	495261.06	3859901.99	9.35472	3.3013	24.962	4.84499	1.53E+00	2.56E+00	4.84E+00	3.57E-01	9.29E+00	1.51E+00	1.11E-04	5.31E-02	1.04E-02	1.57E+00	1.83E+00	2.56E+00	4.84E+00	3.57E-01	9.59E+00
2266	495311.06	3859901.99	9.31857	3.30119	24.676	4.86839	1.52E+00	2.56E+00	4.78E+00	3.58E-01	9.23E+00	1.50E+00	1.11E-04	5.25E-02	1.05E-02	1.56E+00	1.82E+00	2.56E+00	4.78E+00	3.58E-01	9.53E+00
2267	495361.06	3859901.99	9.28639	3.26047	24.898	4.95818	1.52E+00	2.53E+00	4.83E+00	3.65E-01	9.24E+00	1.50E+00	1.10E-04	5.29E-02	1.07E-02	1.56E+00	1.82E+00	2.53E+00	4.83E+00	3.65E-01	9.54E+00
2268	495411.06	3859901.99	9.2489	3.20158	25.449	5.10549	1.51E+00	2.48E+00	4.93E+00	3.76E-01	9.31E+00	1.49E+00	1.08E-04	5.41E-02	1.10E-02	1.56E+00	1.81E+00	2.48E+00	4.93E+00	3.76E-01	9.60E+00
2269	495461.06	3859901.99	9.19369	3.15753	25.755	5.26078	1.50E+00	2.45E+00	4.99E+00	3.87E-01	9.33E+00	1.48E+00	1.06E-04	5.48E-02	1.13E-02	1.55E+00	1.80E+00	2.45E+00	4.99E+00	3.87E-01	9.63E+00
2270	495511.06	3859901.99	9.11763	3.14749	25.528	5.32303	1.49E+00	2.44E+00	4.95E+00	3.92E-01	9.27E+00	1.47E+00	1.06E-04	5.43E-02	1.15E-02	1.53E+00	1.78E+00	2.44E+00	4.95E+00	3.92E-01	9.57E+00
2271	495561.06	3859901.99	9.03248	3.13717	25.306	5.38829	1.48E+00	2.43E+00	4.91E+00	3.97E-01	9.21E+00	1.46E+00	1.05E-04	5.38E-02	1.16E-02	1.52E+00	1.77E+00	2.43E+00	4.91E+00	3.97E-01	9.50E+00
2272	495611.06	3859901.99	8.94702	3.08442	25.698	5.56604	1.46E+00	2.39E+00	4.98E+00	4.10E-01	9.25E+00	1.44E+00	1.04E-04	5.46E-02	1.20E-02	1.51E+00	1.75E+00	2.39E+00	4.98E+00	4.10E-01	9.54E+00
2273	495661.06	3859901.99	8.85066	3.02377	26.2	5.76184	1.45E+00	2.35E+00	5.08E+00	4.24E-01	9.30E+00	1.43E+00	1.02E-04	5.57E-02	1.24E-02	1.49E+00	1.73E+00	2.35E+00	5.08E+00	4.24E-01	9.58E+00
2274	494311.06	3859951.99	9.81038	4.10141	19.6	4.10389	1.60E+00	3.18E+00	3.80E+00	3.02E-01	8.89E+00	1.58E+00	1.38E-04	4.17E-02	8.83E-03	1.63E+00	1.92E+00	3.18E+00	3.80E+00	3.02E-01	9.20E+00
2275	494361.06	3859951.99	9.72669	4.02708	20.007	4.18187	1.59E+00	3.12E+00	3.88E+00	3.08E-01	8.90E+00	1.57E+00	1.35E-04	4.25E-02	9.00E-03	1.62E+00	1.90E+00	3.12E+00	3.88E+00	3.08E-01	9.21E+00
2276	494411.06	3859951.99	10.2293	3.96727	20.347	4.23912	1.67E+00	3.08E+00	3.95E+00	3.12E-01	9.01E+00	1.65E+00	1.33E-04	4.33E-02	9.13E-03	1.70E+00	2.00E+00	3.08E+00	3.95E+00	3.12E-01	9.34E+00
2277	494461.06	3859951.99	10.2109	3.9312	20.56	4.26353	1.67E+00	3.05E+00	3.99E+00	3.14E-01	9.02E+00	1.65E+00	1.32E-04	4.37E-02	9.18E-03	1.70E+00	2.00E+00	3.05E+00	3.99E+00	3.14E-01	9.35E+00
2278	494511.06	3859951.99	10.107	3.93965	20.534	4.22347	1.65E+00	3.06E+00	3.98E+00	3.11E-01	9.00E+00	1.63E+00	1.32E-04	4.37E-02	9.09E-03	1.68E+00	1.98E+00	3.06E+00	3.98E+00	3.11E-01	9.33E+00
2279	494561.06	3859951.99	9.47563	4.06715	19.904	4.00421	1.55E+00	3.15E+00	3.86E+00	2.95E-01	8.86E+00	1.53E+00	1.37E-04	4.23E-02	8.62E-03	1.58E+00	1.85E+00	3.16E+00	3.86E+00	2.95E-01	9.16E+00
2280	494611.06	3859951.99	9.91965	3.91281	20.629	4.20562	1.62E+00	3.04E+00	4.00E+00	3.10E-01	8.97E+00	1.60E+00	1.31E-04	4.39E-02	9.05E-03	1.65E+00	1.94E+00	3.04E+00	4.00E+00	3.10E-01	9.29E+00
2281	494661.06	3859951.99	9.26892	3.97138	20.302	4.08685	1.52E+00	3.08E+00	3.94E+00	3.01E-01	8.83E+00	1.49E+00	1.33E-04	4.32E-02	8.80E-03	1.55E+00	1.81E+00	3.08E+00	3.94E+00	3.01E-01	9.13E+00
2282	494711.06	3859951.99	9.75851	3.83269	20.914	4.26637	1.60E+00	2.97E+00	4.06E+00	3.14E-01	8.94E+00	1.57E+00	1.29E-04	4.45E-02	9.18E-03	1.63E+00	1.91E+00	2.97E+00	4.06E+00	3.14E-01	9.25E+00
2283	494761.06	3859951.99	9.62763	3.83257	20.804	4.23565	1.57E+00	2.97E+00	4.03E+00	3.12E-01	8.89E+00	1.55E+00	1.29E-04	4.42E-02	9.12E-03	1.60E+00	1.88E+00	2.97E+00	4.03E+00	3.12E-01	9.20E+00
2284	494811.06	3859951.99	9.53258	3.81405	20.901	4.23239	1.56E+00	2.96E+00	4.05E+00	3.12E-01	8.88E+00	1.54E+00	1.28E-04	4.44E-02	9.11E-03	1.59E+00	1.87E+00	2.96E+00	4.05E+00	3.12E-01	9.19E+00
2285	494861.06	3859951.99	9.39636	3.83469	20.809	4.16788	1.54E+00	2.97E+00	4.04E+00	3.07E-01	8.85E+00	1.51E+00	1.29E-04	4.42E-02	8.97E-03	1.57E+00	1.84E+00	2.97E+00	4.04E+00	3.07E-01	9.16E+00
2286	494911.06	3859951.99	9.40568	3.75964	21.276	4.25177	1.54E+00	2.92E+00	4.13E+00	3.13E-01	8.89E+00	1.52E+00	1.26E-04	4.52E-02	9.15E-03	1.57E+00	1.84E+00	2.92E+00	4.13E+00	3.13E-01	9.20E+00
2287	494961.06	3859951.99	9.3998	3.69646	21.772	4.31731	1.54E+00	2.87E+00	4.22E+00	3.18E-01	8.94E+00	1.51E+00	1.24E-04	4.63E-02	9.29E-03	1.57E+00	1.84E+00	2.87E+00	4.22E+00	3.18E-01	9.25E+00
2288	495011.06	3859951.99	9.41405	3.64582	22.119	4.36417	1.54E+00	2.83E+00	4.29E+00	3.21E-01	8.98E+00	1.52E+00	1.22E-04	4.70E-02	9.39E-03	1.57E+00	1.84E+00	2.83E+00	4.29E+00	3.21E-01	9.28E+00
2289	495061.06	3859951.99	9.39245	3.61702	22.22	4.37883	1.54E+00	2.81E+00	4.31E+00	3.22E-01	8.97E+00	1.51E+00	1.22E-04	4.72E-02	9.43E-03	1.57E+00	1.84E+00	2.81E+00	4.31E+00	3.22E-01	9.27E+00
2290	495111.06	3859951.99	9.40048	3.54436	22.754	4.46238	1.54E+00	2.75E+00	4.41E+00	3.29E-01	9.03E+00	1.51E+00	1.19E-04	4.84E-02	9.61E-03	1.57E+00	1.84E+00	2.75E+00	4.41E+00	3.29E-01	9.33E+00
2291	495161.06	3859951.99	9.383	3.47672	23.214	4.54169	1.53E+00	2.70E+00	4.50E+00	3.34E-01	9.07E+00	1.51E+00	1.17E-04	4.94E-02	9.78E-03	1.57E+00	1.84E+00	2.70E+00	4.50E+00	3.34E-01	9.37E+00
2292	495211.06	3859951.99	9.35199	3.41199	23.621	4.61559	1.53E+00	2.65E+00	4.58E+00	3.40E-01	9.10E+00	1.51E+00	1.15E-04	5.02E-02	9.94E-03	1.57E+00	1.83E+00	2.65E+00	4.58E+00	3.40E-01	9.40E+00
2293	495261.06	3859951.99	9.30619	3.37397	23.737	4.65221	1.52E+00	2.62E+00	4.60E+00	3.43E-01	9.08E+00	1.50E+00	1.13E-04	5.05E-02	1.00E-02	1.56E+00	1.82E+00	2.62E+00	4.60E+00	3.43E-01	9.38E+00
2294	495311.06	3859951.99	9.22101	3.37669	23.343	4.6227	1.51E+00	2.62E+00	4.53E+00	3.40E-01	8.99E+00	1.49E+00	1.13E-04	4.96E-02	9.95E-03	1.55E+00	1.80E+00	2.62E+00	4.53E+00	3.40E-01	9.29E+00
2295	495361.06	3859951.99	9.1769	3.35649	23.378	4.64292	1.50E+00	2.60E+00	4.53E+00	3.42E-01	8.98E+00	1.48E+00	1.13E-04	4.97E-02	1.00E-02	1.54E+00	1.80E+00	2.60E+00	4.53E+00	3.42E-01	9.27E+00
2296	495411.06	3859951.99	9.17964	3.3025	23.802	4.727	1.50E+00	2.56E+00	4.62E+00	3.48E-01	9.03E+00	1.48E+00	1.11E-04	5.06E-02	1.02E-02	1.54E+00	1.80E+00	2.56E+00	4.62E+00	3.48E-01	9.32E+00
2297	495461.06	3859951.99	9.1616	3.26149	24.045	4.81216	1.50E+00	2.53E+00	4.66E+00	3.54E-01	9.05E+00	1.48E+00	1.10E-04	5.11E-02	1.04E-02	1.54E+00	1.79E+00	2.53E+00	4.66E+00	3.54E-01	9.34E+00
2298	495511.06	3859951.99	9.13169	3.21767	24.292	4.90924	1.49E+00	2.50E+00	4.71E+00	3.61E-01	9.06E+00	1.47E+00	1.08E-04	5.16E-02	1.06E-02	1.53E+00	1.79E+00	2.50E+00	4.71E+00	3.61E-01	9.35E+00
2299	495561.06	3859951.99	9.06056	3.23679	23.765	4.89709	1.48E+00	2.51E+00	4.61E+00	3.61E-01	8.96E+00	1.46E+00	1.09E-04	5.05E-02	1.05E-02	1.52E+00	1.77E+00	2.51E+00	4.61E+00	3.61E-01	9.25E+00
2300	495611.06	3859951.99	9.01334	3.18502	24.089	5.0248	1.47E+00	2.47E+00	4.67E+00	3.70E-01	8.99E+00	1.45E+00	1.07E-04	5.12E-02	1.08E-02	1.51E+00	1.76E+00	2.47E+00	4.67E+00	3.70E-01	9.28E+00
2301	495661.06	3859951.99	8.95996	3.11387	24.83	5.25519	1.47E+00	2.42E+00	4.81E+00	3.87E-01	9.08E+00	1.44E+00	1.05E-04	5.28E-02	1.13E-02	1.51E+00	1.75E+00	2.42E+00	4.81E+00	3.87E-01	9.37E+00
2302	494311.06	3860001.99	9.87884	4.21687	18.82	3.90265	1.62E+00	3.27E+00	3.65E+00	2.87E-01	8.82E+00	1.59E+00	1.42E-04	4.00E-02	8.40E-03	1.64E+00	1.93E+00	3.27E+00	3.65E+00	2.87E-01	9.14E+00
2303	494361.06	3860001.99	9.79227	4.18133	18.825	3.92942	1.60E+00	3.24E+00	3.65E+00	2.89E-01	8.78E+00	1.58E+00	1.40E-04	4.00E-02	8.46E-03	1.63E+00	1.92E+00	3.24E+00	3.65E+00	2.89E-01	9.10E+00
2304	494411.06	3860001.99	9.69124	4.08221	19.117	4.05252	1.59E+00	3.17E+00	3.71E+00	2.98E-01	8.76E+00	1.56E+00	1.37E-04	4.06E-02	8.72E-03	1.61E+00	1.90E+00	3.17E+00	3.71E+00	2.98E-01	9.07E+00
2305	494461.06	3860001.99	9.59133	4.08123	19.196	4.02658	1.57E+00	3.17E+00	3.72E+00	2.96E-01	8.75E+00	1.55E+00	1.37E-04	4.08E-02	8.67E-03	1.60E+00	1.88E+00	3.17E+00	3.72E+00	2.96E-01	9.06E+00
2306	494511.06	3860001.99	9.55441	4.02227	19.536	4.08905	1.56E+00	3.12E+00	3.79E+00	3.01E-01	8.77E+00	1.54E+00	1.35E-04	4.15E-02	8.80E-03	1.59E+00	1.87E+00	3.12E+00	3.79E+00	3.01E-01	9.08E+00
2307	494561.06	3860001.99	9.50851	4.20234	18.997	3.78071	1.56E+00	3.26E+00	3.68E+00	2.78E-01	8.78E+00	1.53E+00	1.41E-04	4.04E-02	8.14E-03	1.58E+00	1.86E+00	3.26E+00	3.68E+00	2.78E-01	9.08E+00
2308	494611.06	3860001.99	9.44286	4.1273	19.189	3.86589	1.54E+00	3.20E+00	3.72E+00	2.85E-01	8.75E+00	1.52E+00	1.39E-04	4.08E-02	8.32E-03	1.57E+00	1.85E+00	3.20E+00	3.72E+00	2.85E-01	9.06E+00
2309	494661.06	3860001.99	9.3662	4.11687	19.235	3.85	1.53E+00	3.19E+00	3.73E+00	2.83E-01	8.74E+00	1.51E+00	1.38E-04	4.09E-02	8.29E-03	1.56E+00	1.83E+00	3.19E+00	3.73E+00	2.83E-01	9.04E+00
2310	494711.06	3860001.99	9.75688	3.90457	20.19	4.15337	1.60E+00	3.03E+00	3.91E+00	3.06E-01	8.85E+00	1.57E+00	1.31E-04	4.29E-02	8.94E-03	1.62E+00	1.91E+00	3.03E+00	3.91E+00	3.06E-01	9.16E+00
2311	494761.06	3860001.99	9.17228	3.99076	19.735	3.98429	1.50E+00	3.10E+00	3.83E+00	2.93E-01	8.72E+00	1.48E+00	1.34E-04	4.20E-02	8.58E-03	1.53E+00	1.79E+00	3.10E+00	3.83E+00	2.93E-01	9.01E+00
2312	494811.06	3860001.99	9.05962	3.99206	19.695	3.94979	1.48E+00	3.10E+00	3.82E+00	2.91E-01	8.69E+00	1.46E+00	1.34E-04	4.19E-02	8.50E-03	1.51E+00	1.77E+00	3.10E+00	3.82E+00	2.91E-01	8.98E+00
2313	494861.06	3860001.99	8.95592	4.00966	19.55	3.88977	1.46E+00	3.11E+00	3.79E+00	2.86E-01	8.65E+00	1.44E+00	1.35E-04	4.16E-02	8.37E-03	1.49E+00	1.75E+00	3.11E+00	3.79E+00	2.86E-01	8.94E+00
2314	494911.06	3860001.99	9.36877	3.81775	20.38	4.16494	1.53E+00	2.96E+00	3.95E+00	3.07E-01	8.75E+00	1.51E+00	1.28E-04	4.33E-02	8.97E-03	1.56E+00	1.83E+00	2.96E+00	3.95E+00	3.07E-01	9.05E+00

2315	494961.06	3860001.99	9.24864	3.82671	20.311	4.12495	1.51E+00	2.97E+00	3.94E+00	3.04E-01	8.72E+00	1.49E+00	1.29E-04	4.32E-02	8.88E-03	1.54E+00	1.81E+00	2.97E+00	3.94E+00	3.04E-01	9.02E+00
2316	495011.06	3860001.99	9.25588	3.76496	20.656	4.1944	1.51E+00	2.92E+00	4.01E+00	3.09E-01	8.75E+00	1.49E+00	1.26E-04	4.39E-02	9.03E-03	1.54E+00	1.81E+00	2.92E+00	4.01E+00	3.09E-01	9.05E+00
2317	495061.06	3860001.99	9.14245	3.77488	20.603	4.14609	1.50E+00	2.93E+00	4.00E+00	3.05E-01	8.72E+00	1.47E+00	1.27E-04	4.38E-02	8.93E-03	1.53E+00	1.79E+00	2.93E+00	4.00E+00	3.05E-01	9.02E+00
2318	495111.06	3860001.99	9.19485	3.70574	21.008	4.22766	1.50E+00	2.87E+00	4.07E+00	3.11E-01	8.76E+00	1.48E+00	1.24E-04	4.47E-02	9.10E-03	1.54E+00	1.80E+00	2.87E+00	4.07E+00	3.11E-01	9.06E+00
2319	495161.06	3860001.99	9.23343	3.63728	21.555	4.30809	1.51E+00	2.82E+00	4.18E+00	3.17E-01	8.83E+00	1.49E+00	1.22E-04	4.58E-02	9.27E-03	1.54E+00	1.81E+00	2.82E+00	4.18E+00	3.17E-01	9.13E+00
2320	495211.06	3860001.99	9.17	3.63873	21.353	4.27291	1.50E+00	2.82E+00	4.14E+00	3.15E-01	8.78E+00	1.48E+00	1.22E-04	4.54E-02	9.20E-03	1.53E+00	1.79E+00	2.82E+00	4.14E+00	3.15E-01	9.07E+00
2321	495261.06	3860001.99	9.16925	3.57883	21.753	4.34077	1.50E+00	2.78E+00	4.22E+00	3.20E-01	8.81E+00	1.48E+00	1.20E-04	4.63E-02	9.34E-03	1.53E+00	1.79E+00	2.78E+00	4.22E+00	3.20E-01	9.11E+00
2322	495311.06	3860001.99	9.12039	3.54802	21.818	4.36107	1.49E+00	2.75E+00	4.23E+00	3.21E-01	8.80E+00	1.47E+00	1.19E-04	4.64E-02	9.39E-03	1.53E+00	1.78E+00	2.75E+00	4.23E+00	3.21E-01	9.09E+00
2323	495361.06	3860001.99	9.15424	3.43392	22.76	4.52375	1.50E+00	2.66E+00	4.41E+00	3.33E-01	8.91E+00	1.48E+00	1.15E-04	4.84E-02	9.74E-03	1.53E+00	1.79E+00	2.66E+00	4.41E+00	3.33E-01	9.20E+00
2324	495411.06	3860001.99	9.05731	3.45109	22.233	4.46178	1.48E+00	2.68E+00	4.31E+00	3.28E-01	8.80E+00	1.46E+00	1.16E-04	4.73E-02	9.61E-03	1.52E+00	1.77E+00	2.68E+00	4.31E+00	3.28E-01	9.09E+00
2325	495461.06	3860001.99	9.01241	3.40403	22.388	4.50972	1.47E+00	2.64E+00	4.34E+00	3.32E-01	8.79E+00	1.45E+00	1.14E-04	4.76E-02	9.71E-03	1.51E+00	1.76E+00	2.64E+00	4.34E+00	3.32E-01	9.08E+00
2326	495511.06	3860001.99	9.00154	3.36218	22.471	4.55367	1.47E+00	2.61E+00	4.36E+00	3.35E-01	8.77E+00	1.45E+00	1.13E-04	4.78E-02	9.80E-03	1.51E+00	1.76E+00	2.61E+00	4.36E+00	3.35E-01	9.06E+00
2327	495561.06	3860001.99	8.96522	3.35538	22.249	4.53316	1.47E+00	2.60E+00	4.31E+00	3.34E-01	8.72E+00	1.44E+00	1.13E-04	4.73E-02	9.76E-03	1.50E+00	1.75E+00	2.60E+00	4.31E+00	3.34E-01	9.01E+00
2328	495611.06	3860001.99	8.96624	3.28271	22.746	4.63927	1.47E+00	2.55E+00	4.41E+00	3.42E-01	8.77E+00	1.44E+00	1.10E-04	4.84E-02	9.99E-03	1.50E+00	1.75E+00	2.55E+00	4.41E+00	3.42E-01	9.05E+00
2329	495661.06	3860001.99	8.94865	3.21555	23.164	4.75607	1.46E+00	2.49E+00	4.49E+00	3.50E-01	8.80E+00	1.44E+00	1.08E-04	4.92E-02	1.02E-02	1.50E+00	1.75E+00	2.49E+00	4.49E+00	3.50E-01	9.09E+00
2330	494411.06	3860051.99	9.74771	4.21601	18.481	3.76795	1.59E+00	3.27E+00	3.58E+00	2.77E-01	8.73E+00	1.57E+00	1.42E-04	3.93E-02	8.11E-03	1.62E+00	1.91E+00	3.27E+00	3.58E+00	2.77E-01	9.04E+00
2331	494461.06	3860051.99	9.668	4.17451	18.509	3.80086	1.58E+00	3.24E+00	3.59E+00	2.80E-01	8.69E+00	1.56E+00	1.40E-04	3.94E-02	8.18E-03	1.61E+00	1.89E+00	3.24E+00	3.59E+00	2.80E-01	9.00E+00
2332	494511.06	3860051.99	9.57456	4.14594	18.501	3.81753	1.57E+00	3.22E+00	3.59E+00	2.81E-01	8.65E+00	1.54E+00	1.39E-04	3.93E-02	8.22E-03	1.59E+00	1.87E+00	3.22E+00	3.59E+00	2.81E-01	8.96E+00
2333	494561.06	3860051.99	9.46842	4.257	18.415	3.65719	1.55E+00	3.30E+00	3.57E+00	2.69E-01	8.69E+00	1.53E+00	1.43E-04	3.92E-02	7.87E-03	1.57E+00	1.85E+00	3.30E+00	3.57E+00	2.69E-01	9.00E+00
2334	494611.06	3860051.99	9.42896	4.27914	18.454	3.60697	1.54E+00	3.32E+00	3.58E+00	2.66E-01	8.71E+00	1.52E+00	1.44E-04	3.92E-02	7.76E-03	1.57E+00	1.85E+00	3.32E+00	3.58E+00	2.66E-01	9.01E+00
2335	494661.06	3860051.99	9.3841	4.27478	18.503	3.58887	1.53E+00	3.32E+00	3.59E+00	2.64E-01	8.70E+00	1.51E+00	1.44E-04	3.93E-02	7.73E-03	1.56E+00	1.84E+00	3.32E+00	3.59E+00	2.64E-01	9.00E+00
2336	494711.06	3860051.99	9.3259	4.13583	18.742	3.74377	1.53E+00	3.21E+00	3.63E+00	2.76E-01	8.64E+00	1.50E+00	1.39E-04	3.98E-02	8.06E-03	1.55E+00	1.82E+00	3.21E+00	3.63E+00	2.76E-01	8.94E+00
2337	494761.06	3860051.99	9.25504	4.14057	18.749	3.71324	1.51E+00	3.21E+00	3.64E+00	2.73E-01	8.63E+00	1.49E+00	1.39E-04	3.99E-02	7.99E-03	1.54E+00	1.81E+00	3.21E+00	3.64E+00	2.73E-01	8.93E+00
2338	494811.06	3860051.99	9.17198	4.19689	18.643	3.61357	1.50E+00	3.26E+00	3.62E+00	2.66E-01	8.64E+00	1.48E+00	1.41E-04	3.96E-02	7.78E-03	1.53E+00	1.79E+00	3.26E+00	3.62E+00	2.66E-01	8.93E+00
2339	494861.06	3860051.99	9.0774	4.2333	18.546	3.53801	1.48E+00	3.28E+00	3.60E+00	2.60E-01	8.63E+00	1.46E+00	1.42E-04	3.94E-02	7.62E-03	1.51E+00	1.78E+00	3.28E+00	3.60E+00	2.60E-01	8.92E+00
2340	494911.06	3860051.99	8.96999	4.13423	18.686	3.64161	1.47E+00	3.21E+00	3.62E+00	2.68E-01	8.57E+00	1.45E+00	1.39E-04	3.97E-02	7.84E-03	1.49E+00	1.76E+00	3.21E+00	3.62E+00	2.68E-01	8.85E+00
2341	494961.06	3860051.99	8.86383	4.02297	19.051	3.76354	1.45E+00	3.12E+00	3.69E+00	2.77E-01	8.54E+00	1.43E+00	1.35E-04	4.05E-02	8.10E-03	1.48E+00	1.73E+00	3.12E+00	3.69E+00	2.77E-01	8.83E+00
2342	495011.06	3860051.99	8.7688	3.93693	19.331	3.8524	1.43E+00	3.05E+00	3.75E+00	2.84E-01	8.52E+00	1.41E+00	1.32E-04	4.11E-02	8.29E-03	1.46E+00	1.72E+00	3.05E+00	3.75E+00	2.84E-01	8.80E+00
2343	495061.06	3860051.99	8.68062	3.88601	19.461	3.89529	1.42E+00	3.01E+00	3.77E+00	2.87E-01	8.49E+00	1.40E+00	1.31E-04	4.14E-02	8.39E-03	1.45E+00	1.70E+00	3.01E+00	3.77E+00	2.87E-01	8.77E+00
2344	495111.06	3860051.99	8.62248	3.79984	19.789	4.01008	1.41E+00	2.95E+00	3.84E+00	2.95E-01	8.49E+00	1.39E+00	1.28E-04	4.21E-02	8.63E-03	1.44E+00	1.69E+00	2.95E+00	3.84E+00	2.95E-01	8.77E+00
2345	495161.06	3860051.99	8.97309	3.75789	20.04	4.04916	1.47E+00	2.91E+00	3.89E+00	2.98E-01	8.57E+00	1.45E+00	1.26E-04	4.26E-02	8.72E-03	1.50E+00	1.76E+00	2.92E+00	3.89E+00	2.98E-01	8.86E+00
2346	495211.06	3860051.99	9.00157	3.69929	20.356	4.12045	1.47E+00	2.87E+00	3.95E+00	3.03E-01	8.59E+00	1.45E+00	1.24E-04	4.33E-02	8.87E-03	1.50E+00	1.76E+00	2.87E+00	3.95E+00	3.03E-01	8.88E+00
2347	495261.06	3860051.99	8.98972	3.67988	20.442	4.12375	1.47E+00	2.85E+00	3.96E+00	3.04E-01	8.59E+00	1.45E+00	1.24E-04	4.35E-02	8.88E-03	1.50E+00	1.76E+00	2.85E+00	3.96E+00	3.04E-01	8.88E+00
2348	495311.06	3860051.99	8.94515	3.67288	20.433	4.10486	1.46E+00	2.85E+00	3.96E+00	3.02E-01	8.58E+00	1.44E+00	1.23E-04	4.34E-02	8.84E-03	1.49E+00	1.75E+00	2.85E+00	3.96E+00	3.02E-01	8.86E+00
2349	495361.06	3860051.99	8.91963	3.64521	20.499	4.12167	1.46E+00	2.83E+00	3.97E+00	3.03E-01	8.56E+00	1.44E+00	1.22E-04	4.36E-02	8.87E-03	1.49E+00	1.75E+00	2.83E+00	3.97E+00	3.03E-01	8.85E+00
2350	495411.06	3860051.99	8.89716	3.60697	20.598	4.15683	1.46E+00	2.80E+00	3.99E+00	3.06E-01	8.55E+00	1.43E+00	1.21E-04	4.38E-02	8.95E-03	1.49E+00	1.74E+00	2.80E+00	3.99E+00	3.06E-01	8.84E+00
2351	495461.06	3860051.99	8.88408	3.55465	20.914	4.21648	1.45E+00	2.76E+00	4.06E+00	3.10E-01	8.58E+00	1.43E+00	1.19E-04	4.45E-02	9.08E-03	1.49E+00	1.74E+00	2.76E+00	4.06E+00	3.10E-01	8.86E+00
2352	495511.06	3860051.99	8.83215	3.53514	20.861	4.21948	1.44E+00	2.74E+00	4.05E+00	3.11E-01	8.54E+00	1.42E+00	1.19E-04	4.44E-02	9.08E-03	1.48E+00	1.73E+00	2.74E+00	4.05E+00	3.11E-01	8.83E+00
2353	495561.06	3860051.99	8.79569	3.49536	20.989	4.25994	1.44E+00	2.71E+00	4.07E+00	3.14E-01	8.53E+00	1.42E+00	1.17E-04	4.46E-02	9.17E-03	1.47E+00	1.72E+00	2.71E+00	4.07E+00	3.14E-01	8.82E+00
2354	495611.06	3860051.99	8.78631	3.43966	21.26	4.32922	1.44E+00	2.67E+00	4.12E+00	3.19E-01	8.55E+00	1.42E+00	1.16E-04	4.52E-02	9.32E-03	1.47E+00	1.72E+00	2.67E+00	4.12E+00	3.19E-01	8.83E+00
2355	495661.06	3860051.99	8.8312	3.35526	21.821	4.46157	1.44E+00	2.60E+00	4.23E+00	3.28E-01	8.61E+00	1.42E+00	1.13E-04	4.64E-02	9.60E-03	1.48E+00	1.73E+00	2.60E+00	4.23E+00	3.28E-01	8.89E+00
2356	494411.06	3860101.99	9.72129	4.27642	18.603	3.65377	1.59E+00	3.32E+00	3.61E+00	2.69E-01	8.78E+00	1.57E+00	1.44E-04	3.96E-02	7.87E-03	1.61E+00	1.90E+00	3.32E+00	3.61E+00	2.69E-01	9.10E+00
2357	494461.06	3860101.99	9.67636	4.34884	18.413	3.52414	1.58E+00	3.37E+00	3.57E+00	2.59E-01	8.79E+00	1.56E+00	1.46E-04	3.91E-02	7.59E-03	1.61E+00	1.89E+00	3.37E+00	3.57E+00	2.59E-01	9.10E+00
2358	494511.06	3860101.99	9.618	4.24201	18.234	3.63049	1.57E+00	3.29E+00	3.54E+00	2.67E-01	8.67E+00	1.55E+00	1.42E-04	3.88E-02	7.82E-03	1.60E+00	1.88E+00	3.29E+00	3.54E+00	2.67E-01	8.98E+00
2359	494561.06	3860101.99	9.54521	4.27208	18.105	3.5635	1.56E+00	3.31E+00	3.51E+00	2.62E-01	8.65E+00	1.54E+00	1.44E-04	3.85E-02	7.67E-03	1.58E+00	1.87E+00	3.31E+00	3.51E+00	2.62E-01	8.95E+00
2360	494611.06	3860101.99	9.45479	4.3645	17.958	3.46075	1.55E+00	3.39E+00	3.48E+00	2.55E-01	8.67E+00	1.52E+00	1.47E-04	3.82E-02	7.45E-03	1.57E+00	1.85E+00	3.39E+00	3.48E+00	2.55E-01	8.97E+00
2361	494661.06	3860101.99	9.35346	4.37284	17.883	3.43717	1.53E+00	3.39E+00	3.47E+00	2.53E-01	8.64E+00	1.51E+00	1.47E-04	3.80E-02	7.40E-03	1.55E+00	1.83E+00	3.39E+00	3.47E+00	2.53E-01	8.94E+00
2362	494711.06	3860101.99	9.29847	4.26501	18.042	3.47897	1.52E+00	3.31E+00	3.50E+00	2.56E-01	8.58E+00	1.50E+00	1.43E-04	3.84E-02	7.49E-03	1.54E+00	1.82E+00	3.31E+00	3.50E+00	2.56E-01	8.88E+00
2363	494761.06	3860101.99	9.25949	4.26683	18.109	3.45986	1.51E+00	3.31E+00	3.51E+00	2.55E-01	8.59E+00	1.49E+00	1.43E-04	3.85E-02	7.45E-03	1.54E+00	1.81E+00	3.31E+00	3.51E+00	2.55E-01	8.89E+00
2364	494811.06	3860101.99	9.20753	4.27907	18.141	3.43905	1.51E+00	3.32E+00	3.52E+00	2.53E-01	8.60E+00	1.48E+00	1.44E-04	3.86E-02	7.40E-03	1.53E+00	1.80E+00	3.32E+00	3.52E+00	2.53E-01	8.89E+00
2365	494861.06	3860101.99	9.13358	4.432	17.956	3.39496	1.49E+00	3.44E+00	3.48E+00	2.50E-01	8.66E+00	1.47E+00	1.49E-04	3.82E-02	7.31E-03	1.52E+00	1.79E+00	3.44E+00	3.48E+00	2.50E-01	8.96E+00
2366	494911.06	3860101.99	9.06699	4.17506	18.332	3.51739	1.48E+00	3.24E+00	3.55E+00	2.59E-01	8.54E+00	1.46E+00	1.40E-04	3.90E-02	7.57E-03	1.51E+00	1.77E+00	3.24E+00	3.55E+00	2.59E-01	8.83E+00
2367	494961.06	3860101.99	8.97863	4.15995	18.355	3.5165	1.47E+00	3.23E+00	3.56E+00	2.59E-01	8.51E+00	1.45E+00	1.40E-04	3.90E-02	7.57E-03	1.49E+00	1.76E+00	3.23E+00	3.56E+00	2.59E-01	8.80E+00
2368	495011.06	3860101.99	8.8775	4.08654	18.491	3.59546	1.45E+00	3.17E+00	3.59E+00	2.65E-01	8.47E+00	1.43E+00	1.37E-04	3.93E-02	7.74E-03	1.48E+00	1.74E+00	3.17E+00	3.59E+00	2.65E-01	8.76E+00
2369	495061.06	3860101.99	8.77119	4.02312	18.7	3.66122	1.43E+00	3.12E+00	3.63E+00	2.70E-01	8.45E+00	1.41E+00	1.35E-04	3.98E-02	7.88E-03	1.46E+00	1.72E+00	3.12E+00	3.63E+00	2.70E-01	8.73E+00
2370	495111.06	3860101.99	8.67346	3.9203	19.038	3.78308	1.42E+00	3.04E+00	3.69E+00	2.79E-01	8.43E+00	1.40E+00	1.32E-04	4.05E-02	8.14E-03	1.45E+00	1.70E+00	3.04E+00	3.69E+00	2.79E-01	8.71E+00
2371	495161.06	3860101.99	8.58818	3.91292	19.036	3.77023	1.40E+00	3.04E+00	3.69E+00	2.78E-01	8.41E+00	1.38E+00	1.31E-04	4.05E-02	8.12E-03	1.43E+00	1.68E+00	3.04E+00	3.69E+00	2.78E-01	8.68E+00
2372	495211.06	3860101.99	8.52494	3.87051	19.151	3.80649	1.39E+00	3.00E+00	3.71E+00	2.80E-01	8.39E+00	1.37E+00	1.30E-04	4.07E-02	8.19E-03	1.42E+00	1.67E+00	3.00E+00	3.71E+00	2.80E-01	8.66E+00
2373	495261.06	3860101.99	8.46483	3.82452	19.255	3.84775	1.38E+00	2.97E+00	3.73E+00	2.83E-01	8.37E+00	1.36E+00	1.28E-04	4.09E-02	8.28E-03	1.41E+00	1.66E+00	2.97E+00	3.73E+00	2.83E-01	8.64E+00
2374	495311.06	3860101.99	8.40716	3.79551	19.398	3.86423	1.38E+00	2.94E+00	3.76E+00	2.85E-01	8.37E+00	1.35E+00	1.27E-04	4.12E-02	8.32E-03	1.40E+00	1.65E+00	2.94E+00	3.76E+00	2.85E-01	8.64E+00
2375	495361.06	3860101.99	8.38846	3.7954	19.443	3.83802	1.37E+00	2.94E+00	3.77E+00	2.83E-01	8.37E+00	1.35E+00	1.27E-04	4.13E-02	8.26E-03	1.40E+00	1.64E+00	2.94E+00	3.77E+00	2.83E-01	8.64E+00

2376	495411.06	3860101.99	8.35637	3.74534	19.656	3.88407	1.37E+00	2.91E+00	3.81E+00	2.86E-01	8.37E+00	1.35E+00	1.26E-04	4.18E-02	8.36E-03	1.40E+00	1.64E+00	2.91E+00	3.81E+00	2.86E-01	8.64E+00
2377	495461.06	3860101.99	8.74855	3.64373	20.047	4.00533	1.43E+00	2.83E+00	3.89E+00	2.95E-01	8.44E+00	1.41E+00	1.22E-04	4.26E-02	8.62E-03	1.46E+00	1.71E+00	2.83E+00	3.89E+00	2.95E-01	8.72E+00
2378	495511.06	3860101.99	8.67928	3.64337	20.003	3.97817	1.42E+00	2.83E+00	3.88E+00	2.93E-01	8.42E+00	1.40E+00	1.22E-04	4.25E-02	8.56E-03	1.45E+00	1.70E+00	2.83E+00	3.88E+00	2.93E-01	8.70E+00
2379	495561.06	3860101.99	8.60271	3.64087	19.948	3.95605	1.41E+00	2.82E+00	3.87E+00	2.91E-01	8.39E+00	1.39E+00	1.22E-04	4.24E-02	8.52E-03	1.44E+00	1.68E+00	2.82E+00	3.87E+00	2.91E-01	8.67E+00
2380	495611.06	3860101.99	8.66224	3.54	20.259	4.08012	1.42E+00	2.75E+00	3.93E+00	3.00E-01	8.39E+00	1.40E+00	1.19E-04	4.31E-02	8.78E-03	1.45E+00	1.70E+00	2.75E+00	3.93E+00	3.00E-01	8.67E+00
2381	495661.06	3860101.99	8.63394	3.5002	20.33	4.11341	1.41E+00	2.72E+00	3.94E+00	3.03E-01	8.37E+00	1.39E+00	1.18E-04	4.32E-02	8.86E-03	1.44E+00	1.69E+00	2.72E+00	3.94E+00	3.03E-01	8.65E+00
2382	494861.06	3860151.99	9.10464	4.59368	17.447	3.38504	1.49E+00	3.56E+00	3.38E+00	2.49E-01	8.68E+00	1.47E+00	1.54E-04	3.71E-02	7.29E-03	1.51E+00	1.78E+00	3.56E+00	3.38E+00	2.49E-01	8.98E+00
2383	494911.06	3860151.99	9.08546	4.3373	17.711	3.37483	1.49E+00	3.36E+00	3.43E+00	2.48E-01	8.53E+00	1.46E+00	1.46E-04	3.77E-02	7.27E-03	1.51E+00	1.78E+00	3.36E+00	3.43E+00	2.48E-01	8.83E+00
2384	494961.06	3860151.99	9.0294	4.278	17.82	3.36549	1.48E+00	3.32E+00	3.46E+00	2.48E-01	8.50E+00	1.45E+00	1.44E-04	3.79E-02	7.25E-03	1.50E+00	1.77E+00	3.32E+00	3.46E+00	2.48E-01	8.79E+00
2385	495011.06	3860151.99	8.96029	4.20384	17.935	3.35627	1.47E+00	3.26E+00	3.48E+00	2.47E-01	8.45E+00	1.44E+00	1.41E-04	3.81E-02	7.23E-03	1.49E+00	1.75E+00	3.26E+00	3.48E+00	2.47E-01	8.74E+00
2386	495061.06	3860151.99	8.87921	4.13019	18.038	3.39772	1.45E+00	3.20E+00	3.50E+00	2.50E-01	8.40E+00	1.43E+00	1.39E-04	3.84E-02	7.31E-03	1.48E+00	1.74E+00	3.20E+00	3.50E+00	2.50E-01	8.69E+00
2387	495111.06	3860151.99	8.78558	4.08698	18.105	3.43381	1.44E+00	3.17E+00	3.51E+00	2.53E-01	8.37E+00	1.42E+00	1.37E-04	3.85E-02	7.39E-03	1.46E+00	1.72E+00	3.17E+00	3.51E+00	2.53E-01	8.65E+00
2388	495161.06	3860151.99	8.68108	4.06027	18.138	3.45475	1.42E+00	3.15E+00	3.52E+00	2.54E-01	8.34E+00	1.40E+00	1.36E-04	3.86E-02	7.44E-03	1.44E+00	1.70E+00	3.15E+00	3.52E+00	2.54E-01	8.62E+00
2389	495211.06	3860151.99	8.58841	4.01478	18.298	3.5025	1.40E+00	3.11E+00	3.55E+00	2.58E-01	8.32E+00	1.38E+00	1.35E-04	3.89E-02	7.54E-03	1.43E+00	1.68E+00	3.11E+00	3.55E+00	2.58E-01	8.60E+00
2390	495261.06	3860151.99	8.49846	3.99312	18.354	3.51543	1.39E+00	3.10E+00	3.56E+00	2.59E-01	8.31E+00	1.37E+00	1.34E-04	3.90E-02	7.57E-03	1.42E+00	1.66E+00	3.10E+00	3.56E+00	2.59E-01	8.58E+00
2391	495311.06	3860151.99	8.42658	3.9666	18.404	3.53492	1.38E+00	3.08E+00	3.57E+00	2.60E-01	8.28E+00	1.36E+00	1.33E-04	3.91E-02	7.61E-03	1.40E+00	1.65E+00	3.08E+00	3.57E+00	2.60E-01	8.55E+00
2392	495361.06	3860151.99	8.37306	3.9468	18.449	3.54362	1.37E+00	3.06E+00	3.58E+00	2.61E-01	8.27E+00	1.35E+00	1.33E-04	3.92E-02	7.63E-03	1.40E+00	1.64E+00	3.06E+00	3.58E+00	2.61E-01	8.54E+00
2393	495411.06	3860151.99	8.30866	3.90763	18.541	3.58084	1.36E+00	3.03E+00	3.60E+00	2.64E-01	8.25E+00	1.34E+00	1.31E-04	3.94E-02	7.71E-03	1.39E+00	1.63E+00	3.03E+00	3.60E+00	2.64E-01	8.52E+00
2394	495461.06	3860151.99	8.28292	3.8725	18.657	3.6118	1.35E+00	3.00E+00	3.62E+00	2.66E-01	8.24E+00	1.33E+00	1.30E-04	3.97E-02	7.78E-03	1.38E+00	1.62E+00	3.00E+00	3.62E+00	2.66E-01	8.51E+00
2395	495511.06	3860151.99	8.25685	3.81315	18.952	3.67918	1.35E+00	2.96E+00	3.67E+00	2.71E-01	8.25E+00	1.33E+00	1.28E-04	4.03E-02	7.92E-03	1.38E+00	1.62E+00	2.96E+00	3.67E+00	2.71E-01	8.52E+00
2396	495561.06	3860151.99	8.22355	3.79195	19.072	3.68809	1.35E+00	2.94E+00	3.70E+00	2.72E-01	8.26E+00	1.33E+00	1.27E-04	4.06E-02	7.94E-03	1.37E+00	1.61E+00	2.94E+00	3.70E+00	2.72E-01	8.52E+00
2397	495611.06	3860151.99	8.17714	3.73533	19.305	3.75094	1.34E+00	2.90E+00	3.74E+00	2.76E-01	8.25E+00	1.32E+00	1.25E-04	4.10E-02	8.07E-03	1.37E+00	1.60E+00	2.90E+00	3.74E+00	2.76E-01	8.52E+00
2398	495661.06	3860151.99	8.12293	3.66669	19.559	3.8322	1.33E+00	2.84E+00	3.79E+00	2.82E-01	8.25E+00	1.31E+00	1.23E-04	4.16E-02	8.25E-03	1.36E+00	1.59E+00	2.84E+00	3.79E+00	2.82E-01	8.51E+00
2399	495718.25	3859442.96	6.99501	1.64044	34.102	5.66706	1.14E+00	1.27E+00	6.61E+00	4.17E-01	9.45E+00	1.13E+00	5.51E-05	7.25E-02	1.22E-02	1.21E+00	1.37E+00	1.27E+00	6.61E+00	4.17E-01	9.67E+00
2400	495818.25	3859442.96	6.70059	1.64216	33.525	5.34846	1.10E+00	1.27E+00	6.50E+00	3.94E-01	9.26E+00	1.08E+00	5.52E-05	7.13E-02	1.15E-02	1.16E+00	1.31E+00	1.27E+00	6.50E+00	3.94E-01	9.48E+00
2401	495918.25	3859442.96	6.54067	1.64872	32.974	5.12069	1.07E+00	1.28E+00	6.39E+00	3.77E-01	9.12E+00	1.05E+00	5.54E-05	7.01E-02	1.10E-02	1.14E+00	1.28E+00	1.28E+00	6.39E+00	3.77E-01	9.33E+00
2402	496018.25	3859442.96	6.42329	1.65475	32.433	4.92883	1.05E+00	1.28E+00	6.29E+00	3.63E-01	8.99E+00	1.03E+00	5.56E-05	6.90E-02	1.06E-02	1.11E+00	1.26E+00	1.28E+00	6.29E+00	3.63E-01	9.19E+00
2403	496118.25	3859442.96	6.51989	1.66135	32.313	5.06098	1.07E+00	1.29E+00	6.27E+00	3.73E-01	8.99E+00	1.05E+00	5.58E-05	6.87E-02	1.09E-02	1.13E+00	1.28E+00	1.29E+00	6.27E+00	3.73E-01	9.20E+00
2404	496218.25	3859442.96	6.54679	1.6765	32.008	5.12561	1.07E+00	1.30E+00	6.21E+00	3.77E-01	8.96E+00	1.05E+00	5.63E-05	6.81E-02	1.10E-02	1.13E+00	1.28E+00	1.30E+00	6.21E+00	3.77E-01	9.17E+00
2405	496318.25	3859442.96	6.42624	1.67745	31.496	4.95893	1.05E+00	1.30E+00	6.11E+00	3.65E-01	8.82E+00	1.04E+00	5.63E-05	6.70E-02	1.07E-02	1.11E+00	1.26E+00	1.30E+00	6.11E+00	3.65E-01	9.03E+00
2406	496418.25	3859442.96	6.29588	1.67876	30.954	4.7991	1.03E+00	1.30E+00	6.00E+00	3.53E-01	8.69E+00	1.01E+00	5.64E-05	6.58E-02	1.03E-02	1.09E+00	1.23E+00	1.30E+00	6.00E+00	3.53E-01	8.89E+00
2407	495718.25	3859542.96	7.86528	1.73568	35.737	6.68352	1.29E+00	1.35E+00	6.93E+00	4.92E-01	1.01E+01	1.27E+00	5.83E-05	7.60E-02	1.44E-02	1.36E+00	1.54E+00	1.35E+00	6.93E+00	4.92E-01	1.03E+01
2408	495818.25	3859542.96	7.63273	1.71983	35.091	6.52273	1.25E+00	1.33E+00	6.80E+00	4.80E-01	9.87E+00	1.23E+00	5.78E-05	7.46E-02	1.40E-02	1.32E+00	1.49E+00	1.33E+00	6.80E+00	4.80E-01	1.01E+01
2409	495918.25	3859542.96	7.35819	1.69628	34.381	6.29727	1.20E+00	1.32E+00	6.67E+00	4.64E-01	9.65E+00	1.19E+00	5.70E-05	7.31E-02	1.36E-02	1.27E+00	1.44E+00	1.32E+00	6.67E+00	4.64E-01	9.89E+00
2410	496018.25	3859542.96	7.11668	1.68938	33.557	6.0905	1.16E+00	1.31E+00	6.51E+00	4.48E-01	9.43E+00	1.15E+00	5.67E-05	7.13E-02	1.31E-02	1.23E+00	1.39E+00	1.31E+00	6.51E+00	4.48E-01	9.66E+00
2411	496118.25	3859542.96	7.10538	1.73427	32.673	6.16356	1.16E+00	1.35E+00	6.34E+00	4.54E-01	9.30E+00	1.14E+00	5.83E-05	6.95E-02	1.33E-02	1.23E+00	1.39E+00	1.35E+00	6.34E+00	4.54E-01	9.53E+00
2412	496218.25	3859542.96	7.11193	1.76531	32.012	6.13965	1.16E+00	1.37E+00	6.21E+00	4.52E-01	9.19E+00	1.15E+00	5.93E-05	6.81E-02	1.32E-02	1.23E+00	1.39E+00	1.37E+00	6.21E+00	4.52E-01	9.42E+00
2413	496318.25	3859542.96	7.07018	1.79107	31.605	6.06154	1.16E+00	1.39E+00	6.13E+00	4.46E-01	9.12E+00	1.14E+00	6.02E-05	6.72E-02	1.30E-02	1.22E+00	1.38E+00	1.39E+00	6.13E+00	4.46E-01	9.35E+00
2414	496418.25	3859542.96	6.89196	1.7692	31.399	5.84732	1.13E+00	1.37E+00	6.09E+00	4.31E-01	9.02E+00	1.11E+00	5.94E-05	6.68E-02	1.26E-02	1.19E+00	1.35E+00	1.37E+00	6.09E+00	4.31E-01	9.24E+00
2415	495718.25	3859642.96	8.48172	1.94757	34.917	7.17195	1.39E+00	1.51E+00	6.77E+00	5.28E-01	1.02E+01	1.37E+00	6.54E-05	7.42E-02	1.54E-02	1.46E+00	1.66E+00	1.51E+00	6.77E+00	5.28E-01	1.05E+01
2416	495818.25	3859642.96	8.28247	1.90122	34.781	7.09691	1.35E+00	1.47E+00	6.74E+00	5.23E-01	1.01E+01	1.33E+00	6.39E-05	7.40E-02	1.53E-02	1.42E+00	1.62E+00	1.47E+00	6.74E+00	5.23E-01	1.04E+01
2417	495918.25	3859642.96	8.11651	1.88545	34.45	7.02562	1.33E+00	1.46E+00	6.68E+00	5.17E-01	9.99E+00	1.31E+00	6.33E-05	7.32E-02	1.51E-02	1.40E+00	1.59E+00	1.46E+00	6.68E+00	5.17E-01	1.02E+01
2418	496018.25	3859642.96	7.89418	1.84859	34.238	6.91303	1.29E+00	1.43E+00	6.64E+00	5.09E-01	9.87E+00	1.27E+00	6.21E-05	7.28E-02	1.49E-02	1.36E+00	1.54E+00	1.43E+00	6.64E+00	5.09E-01	1.01E+01
2419	496118.25	3859642.96	7.84345	1.95197	32.998	6.91616	1.28E+00	1.51E+00	6.40E+00	5.09E-01	9.70E+00	1.26E+00	6.56E-05	7.02E-02	1.49E-02	1.35E+00	1.53E+00	1.51E+00	6.40E+00	5.09E-01	9.96E+00
2420	496218.25	3859642.96	7.73955	2.02025	31.884	6.84975	1.27E+00	1.57E+00	6.18E+00	5.04E-01	9.52E+00	1.25E+00	6.79E-05	6.78E-02	1.47E-02	1.33E+00	1.51E+00	1.57E+00	6.18E+00	5.04E-01	9.77E+00
2421	496318.25	3859642.96	7.53038	1.99568	31.482	6.74744	1.23E+00	1.55E+00	6.10E+00	4.97E-01	9.38E+00	1.21E+00	6.70E-05	6.69E-02	1.45E-02	1.29E+00	1.47E+00	1.55E+00	6.10E+00	4.97E-01	9.62E+00
2422	496418.25	3859642.96	7.06975	1.79188	32.114	6.39108	1.16E+00	1.39E+00	6.23E+00	4.71E-01	9.24E+00	1.14E+00	6.02E-05	6.83E-02	1.38E-02	1.22E+00	1.38E+00	1.39E+00	6.23E+00	4.71E-01	9.47E+00
2423	495718.25	3859742.96	8.8526	2.24198	30.989	7.05956	1.45E+00	1.74E+00	6.01E+00	5.20E-01	9.72E+00	1.43E+00	7.53E-05	6.59E-02	1.52E-02	1.51E+00	1.73E+00	1.74E+00	6.01E+00	5.20E-01	1.00E+01
2424	495818.25	3859742.96	8.7305	2.16568	31.936	7.17074	1.43E+00	1.68E+00	6.19E+00	5.28E-01	9.83E+00	1.41E+00	7.27E-05	6.79E-02	1.54E-02	1.49E+00	1.71E+00	1.68E+00	6.19E+00	5.28E-01	1.01E+01
2425	495918.25	3859742.96	8.60846	2.13111	32.327	7.20134	1.41E+00	1.65E+00	6.27E+00	5.30E-01	9.86E+00	1.39E+00	7.16E-05	6.87E-02	1.55E-02	1.47E+00	1.68E+00	1.65E+00	6.27E+00	5.30E-01	1.01E+01
2426	496018.25	3859742.96	8.45031	2.08632	32.662	7.21071	1.38E+00	1.62E+00	6.33E+00	5.31E-01	9.86E+00	1.36E+00	7.01E-05	6.94E-02	1.55E-02	1.45E+00	1.65E+00	1.62E+00	6.33E+00	5.31E-01	1.01E+01
2427	496118.25	3859742.96	8.39775	2.18442	31.585	7.11779	1.37E+00	1.69E+00	6.12E+00	5.24E-01	9.72E+00	1.35E+00	7.34E-05	6.72E-02	1.53E-02	1.44E+00	1.64E+00	1.69E+00	6.12E+00	5.24E-01	9.99E+00
2428	496218.25	3859742.96	8.31973	2.31252	30.064	6.92462	1.36E+00	1.79E+00	5.83E+00	5.10E-01	9.49E+00	1.34E+00	7.77E-05	6.39E-02	1.49E-02	1.42E+00	1.63E+00	1.79E+00	5.83E+00	5.10E-01	9.76E+00
2429	496318.25	3859742.96	7.98983	2.10185	31.619	7.07497	1.31E+00	1.63E+00	6.13E+00	5.21E-01	9.59E+00	1.29E+00	7.06E-05	6.72E-02	1.52E-02	1.37E+00	1.56E+00	1.63E+00	6.13E+00	5.21E-01	9.85E+00
2430	496418.25	3859742.96	7.63967	1.91115	32.594	7.26202	1.25E+00	1.48E+00	6.32E+00	5.35E-01	9.59E+00	1.23E+00	6.42E-05	6.93E-02	1.56E-02	1.32E+00	1.49E+00	1.48E+00	6.32E+00	5.35E-01	9.83E+00
2431	495718.25	3859842.96	8.88122	2.86996	27.834	6.39168	1.45E+00	2.23E+00	5.40E+00	4.71E-01	9.55E+00	1.43E+00	9.64E-05	5.92E-02	1.38E-02	1.50E+00	1.74E+00	2.23E+00	5.40E+00	4.71E-01	9.83E+00
2432	495818.25	3859842.96	8.83955	2.80755	27.916	6.57206	1.45E+00	2.18E+00	5.41E+00	4.84E-01	9.52E+00	1.42E+00	9.43E-05	5.94E-02	1.41E-02	1.50E+00	1.73E+00	2.18E+00	5.41E+00	4.84E-01	9.80E+00
2433	495918.25	3859842.96	8.78608	2.73976	28.123	6.7441	1.44E+00	2.13E+00	5.45E+00	4.97E-01	9.51E+00	1.42E+00	9.20E-05	5.98E-02	1.45E-02	1.49E+00	1.72E+00	2.13E+00	5.45E+00	4.97E-01	9.79E+00
2434	496018.25	3859842.96	8.73824	2.73432	27.912	6.77593	1.43E+00	2.12E+00	5.41E+00	4.99E-01	9.46E+00	1.41E+00	9.18E-05	5.93E-02	1.46E-02	1.48E+00	1.71E+00	2.12E+00	5.41E+00	4.99E-01	9.74E+00
2435	496118.25	3859842.96	8.71	2.88762	26.104	6.39096	1.42E+00	2.24E+00	5.06E+00	4.71E-01	9.20E+00	1.40E+00	9.70E-05	5.55E-02	1.38E-02	1.47E+00	1.70E+00	2.24E+00	5.06E+00	4.71E-01	9.48E+00
2436	496218.25	3859842.96	8.56829	2.36193	28.553	6.92149	1.40E+00	1.83E+00	5.54E+00	5.10E-01	9.28E+00	1.38E+00	7.93E-05	6.07E-02	1.49E-02	1.46E+00	1.68E+00	1.83E+00	5.54E+00	5.10E-01	9.56E+00

2437	496318.25	3859842.96	8.11951	1.95601	32.593	7.25281	1.33E+00	1.52E+00	6.32E+00	5.34E-01	9.70E+00	1.31E+00	6.57E-05	6.93E-02	1.56E-02	1.39E+00	1.59E+00	1.52E+00	6.32E+00	5.34E-01	9.96E+00
2438	496418.25	3859842.96	7.66861	1.75582	33.544	6.90949	1.25E+00	1.36E+00	6.50E+00	5.09E-01	9.63E+00	1.24E+00	5.90E-05	7.13E-02	1.49E-02	1.32E+00	1.50E+00	1.36E+00	6.50E+00	5.09E-01	9.88E+00
2439	495718.25	3859942.96	8.84309	3.08398	24.878	5.42636	1.45E+00	2.39E+00	4.82E+00	4.00E-01	9.06E+00	1.42E+00	1.04E-04	5.29E-02	1.17E-02	1.49E+00	1.73E+00	2.39E+00	4.82E+00	4.00E-01	9.35E+00
2440	495818.25	3859942.96	8.70192	3.00403	25.273	5.71132	1.42E+00	2.33E+00	4.90E+00	4.20E-01	9.07E+00	1.40E+00	1.01E-04	5.37E-02	1.23E-02	1.47E+00	1.70E+00	2.33E+00	4.90E+00	4.20E-01	9.35E+00
2441	495918.25	3859942.96	8.67282	2.97616	24.79	5.83688	1.42E+00	2.31E+00	4.81E+00	4.30E-01	8.96E+00	1.40E+00	1.00E-04	5.27E-02	1.26E-02	1.46E+00	1.70E+00	2.31E+00	4.81E+00	4.30E-01	9.24E+00
2442	496018.25	3859942.96	8.62858	3.07892	23.24	5.56894	1.41E+00	2.39E+00	4.51E+00	4.10E-01	8.72E+00	1.39E+00	1.03E-04	4.94E-02	1.20E-02	1.45E+00	1.69E+00	2.39E+00	4.51E+00	4.10E-01	8.99E+00
2443	496118.25	3859942.96	8.64651	2.89102	24.769	6.14792	1.41E+00	2.24E+00	4.80E+00	4.53E-01	8.91E+00	1.39E+00	9.71E-05	5.27E-02	1.32E-02	1.46E+00	1.69E+00	2.24E+00	4.80E+00	4.53E-01	9.19E+00
2444	496218.25	3859942.96	8.5554	2.2785	29.431	6.95203	1.40E+00	1.77E+00	5.71E+00	5.12E-01	9.39E+00	1.38E+00	7.65E-05	6.26E-02	1.50E-02	1.46E+00	1.67E+00	1.77E+00	5.71E+00	5.12E-01	9.66E+00
2445	496318.25	3859942.96	8.3355	2.04358	33.485	7.3238	1.36E+00	1.59E+00	6.49E+00	5.39E-01	9.98E+00	1.34E+00	6.86E-05	7.12E-02	1.58E-02	1.43E+00	1.63E+00	1.59E+00	6.49E+00	5.39E-01	1.02E+01
2446	496418.25	3859942.96	7.83893	1.74093	36.261	7.05733	1.28E+00	1.35E+00	7.03E+00	5.20E-01	1.02E+01	1.26E+00	5.85E-05	7.71E-02	1.52E-02	1.36E+00	1.53E+00	1.35E+00	7.03E+00	5.20E-01	1.04E+01
2447	496856.82	3858864.83	3.35617	1.56389	18.87	2.87372	5.49E-01	1.21E+00	3.66E+00	2.12E-01	5.63E+00	5.41E-01	5.25E-05	4.01E-02	6.19E-03	5.87E-01	6.57E-01	1.21E+00	3.66E+00	2.12E-01	5.74E+00
2448	496956.82	3858864.83	3.31741	1.55861	17.87	2.85578	5.43E-01	1.21E+00	3.47E+00	2.10E-01	5.43E+00	5.35E-01	5.24E-05	3.80E-02	6.15E-03	5.79E-01	6.49E-01	1.21E+00	3.47E+00	2.10E-01	5.53E+00
2449	497056.82	3858864.83	3.29624	1.55338	17.44	2.84758	5.39E-01	1.20E+00	3.38E+00	2.10E-01	5.34E+00	5.31E-01	5.22E-05	3.71E-02	6.13E-03	5.74E-01	6.45E-01	1.21E+00	3.38E+00	2.10E-01	5.44E+00
2450	497156.82	3858864.83	3.24455	1.54809	17.046	2.8395	5.31E-01	1.20E+00	3.31E+00	2.09E-01	5.25E+00	5.23E-01	5.20E-05	3.62E-02	6.11E-03	5.65E-01	6.35E-01	1.20E+00	3.31E+00	2.09E-01	5.35E+00
2451	497256.82	3858864.83	3.28681	1.54308	16.838	2.83079	5.38E-01	1.20E+00	3.27E+00	2.08E-01	5.21E+00	5.30E-01	5.18E-05	3.58E-02	6.09E-03	5.72E-01	6.43E-01	1.20E+00	3.27E+00	2.08E-01	5.31E+00
2452	496856.82	3858964.83	3.65021	1.50545	22.471	2.89662	5.97E-01	1.17E+00	4.36E+00	2.13E-01	6.34E+00	5.88E-01	5.06E-05	4.78E-02	6.24E-03	6.42E-01	7.14E-01	1.17E+00	4.36E+00	2.13E-01	6.45E+00
2453	496956.82	3858964.83	3.55028	1.49731	21.141	2.86575	5.81E-01	1.16E+00	4.10E+00	2.11E-01	6.05E+00	5.72E-01	5.03E-05	4.49E-02	6.17E-03	6.23E-01	6.95E-01	1.16E+00	4.10E+00	2.11E-01	6.17E+00
2454	497056.82	3858964.83	3.49557	1.48936	20.251	2.84013	5.72E-01	1.16E+00	3.93E+00	2.09E-01	5.86E+00	5.63E-01	5.00E-05	4.31E-02	6.11E-03	6.12E-01	6.84E-01	1.16E+00	3.93E+00	2.09E-01	5.98E+00
2455	497156.82	3858964.83	3.43372	1.48144	19.443	2.81316	5.62E-01	1.15E+00	3.77E+00	2.07E-01	5.69E+00	5.53E-01	4.98E-05	4.13E-02	6.06E-03	6.01E-01	6.72E-01	1.15E+00	3.77E+00	2.07E-01	5.80E+00
2456	497256.82	3858964.83	3.59599	1.47573	20.012	2.81231	5.88E-01	1.14E+00	3.88E+00	2.07E-01	5.82E+00	5.79E-01	4.96E-05	4.25E-02	6.05E-03	6.28E-01	7.04E-01	1.14E+00	3.88E+00	2.07E-01	5.94E+00
2457	496856.82	3859064.83	3.79026	1.47776	25.79	2.91311	6.20E-01	1.15E+00	5.00E+00	2.14E-01	6.98E+00	6.11E-01	4.96E-05	5.48E-02	6.27E-03	6.72E-01	7.42E-01	1.15E+00	5.00E+00	2.14E-01	7.10E+00
2458	496956.82	3859064.83	3.72628	1.47135	24.778	2.8918	6.09E-01	1.14E+00	4.80E+00	2.13E-01	6.77E+00	6.00E-01	4.94E-05	5.27E-02	6.23E-03	6.59E-01	7.29E-01	1.14E+00	4.80E+00	2.13E-01	6.89E+00
2459	497056.82	3859064.83	3.69761	1.46494	24.03	2.87469	6.05E-01	1.14E+00	4.66E+00	2.12E-01	6.61E+00	5.96E-01	4.92E-05	5.11E-02	6.19E-03	6.53E-01	7.24E-01	1.14E+00	4.66E+00	2.12E-01	6.73E+00
2460	497156.82	3859064.83	3.68295	1.4585	23.434	2.85857	6.02E-01	1.13E+00	4.54E+00	2.10E-01	6.49E+00	5.93E-01	4.90E-05	4.98E-02	6.15E-03	6.49E-01	7.21E-01	1.13E+00	4.54E+00	2.10E-01	6.61E+00
2461	497256.82	3859064.83	3.92435	1.45287	25.175	2.87448	6.42E-01	1.13E+00	4.88E+00	2.12E-01	6.86E+00	6.32E-01	4.88E-05	5.35E-02	6.19E-03	6.92E-01	7.68E-01	1.13E+00	4.88E+00	2.12E-01	6.99E+00
2462	496856.82	3859164.83	3.95443	1.44166	26.911	2.91923	6.47E-01	1.12E+00	5.22E+00	2.15E-01	7.20E+00	6.37E-01	4.84E-05	5.72E-02	6.28E-03	7.01E-01	7.74E-01	1.12E+00	5.22E+00	2.15E-01	7.33E+00
2463	496956.82	3859164.83	3.81505	1.43664	25.832	2.89877	6.24E-01	1.11E+00	5.01E+00	2.13E-01	6.96E+00	6.15E-01	4.83E-05	5.49E-02	6.24E-03	6.76E-01	7.47E-01	1.11E+00	5.01E+00	2.13E-01	7.08E+00
2464	497056.82	3859164.83	3.80409	1.43194	25.758	2.88927	6.22E-01	1.11E+00	4.99E+00	2.13E-01	6.94E+00	6.13E-01	4.81E-05	5.48E-02	6.22E-03	6.74E-01	7.44E-01	1.11E+00	4.99E+00	2.13E-01	7.06E+00
2465	497156.82	3859164.83	3.94418	1.42763	26.821	2.89798	6.45E-01	1.11E+00	5.20E+00	2.13E-01	7.17E+00	6.36E-01	4.80E-05	5.70E-02	6.24E-03	6.99E-01	7.72E-01	1.11E+00	5.20E+00	2.13E-01	7.29E+00
2466	497256.82	3859164.83	4.28705	1.42388	29.304	2.94911	7.01E-01	1.10E+00	5.68E+00	2.17E-01	7.71E+00	6.91E-01	4.78E-05	6.23E-02	6.35E-03	7.59E-01	8.39E-01	1.10E+00	5.68E+00	2.17E-01	7.84E+00
2467	496856.82	3859264.83	4.10874	1.42872	26.727	2.94111	6.72E-01	1.11E+00	5.18E+00	2.17E-01	7.18E+00	6.62E-01	4.80E-05	5.68E-02	6.33E-03	7.25E-01	8.04E-01	1.11E+00	5.18E+00	2.17E-01	7.31E+00
2468	496956.82	3859264.83	4.14561	1.42527	27.094	2.95176	6.78E-01	1.11E+00	5.25E+00	2.17E-01	7.25E+00	6.68E-01	4.79E-05	5.76E-02	6.35E-03	7.32E-01	8.11E-01	1.11E+00	5.25E+00	2.17E-01	7.39E+00
2469	497056.82	3859264.83	4.30931	1.42196	28.271	2.98006	7.05E-01	1.10E+00	5.48E+00	2.19E-01	7.51E+00	6.94E-01	4.78E-05	6.01E-02	6.42E-03	7.61E-01	8.43E-01	1.10E+00	5.48E+00	2.19E-01	7.65E+00
2470	497156.82	3859264.83	4.44633	1.41851	29.224	3.03682	7.27E-01	1.10E+00	5.67E+00	2.24E-01	7.72E+00	7.16E-01	4.76E-05	6.21E-02	6.54E-03	7.85E-01	8.70E-01	1.10E+00	5.67E+00	2.24E-01	7.86E+00
2471	497256.82	3859264.83	4.70551	1.4153	31.191	3.15874	7.70E-01	1.10E+00	6.05E+00	2.33E-01	8.15E+00	7.58E-01	4.75E-05	6.63E-02	6.80E-03	8.31E-01	9.21E-01	1.10E+00	6.05E+00	2.33E-01	8.30E+00
2472	497088.92	3858620.93	2.58983	1.62811	14.656	2.70401	4.24E-01	1.26E+00	2.84E+00	1.99E-01	4.73E+00	4.17E-01	5.47E-05	3.12E-02	5.82E-03	4.54E-01	5.07E-01	1.26E+00	2.84E+00	1.99E-01	4.81E+00
2473	497138.92	3858620.93	2.59611	1.62637	14.63	2.70056	4.25E-01	1.26E+00	2.84E+00	1.99E-01	4.72E+00	4.18E-01	5.46E-05	3.11E-02	5.81E-03	4.55E-01	5.08E-01	1.26E+00	2.84E+00	1.99E-01	4.81E+00
2474	497188.92	3858620.93	2.595	1.6243	14.517	2.69101	4.24E-01	1.26E+00	2.81E+00	1.98E-01	4.70E+00	4.18E-01	5.46E-05	3.09E-02	5.79E-03	4.55E-01	5.08E-01	1.26E+00	2.81E+00	1.98E-01	4.78E+00
2475	497238.92	3858620.93	2.59721	1.62245	14.467	2.68553	4.25E-01	1.26E+00	2.81E+00	1.98E-01	4.69E+00	4.18E-01	5.45E-05	3.08E-02	5.78E-03	4.55E-01	5.08E-01	1.26E+00	2.81E+00	1.98E-01	4.77E+00
2476	497088.92	3858670.93	2.56057	1.62452	14.263	2.73042	4.19E-01	1.26E+00	2.77E+00	2.01E-01	4.65E+00	4.13E-01	5.46E-05	3.03E-02	5.88E-03	4.49E-01	5.01E-01	1.26E+00	2.77E+00	2.01E-01	4.73E+00
2477	497138.92	3858670.93	2.57774	1.62263	14.283	2.72932	4.22E-01	1.26E+00	2.77E+00	2.01E-01	4.65E+00	4.15E-01	5.45E-05	3.04E-02	5.88E-03	4.52E-01	5.04E-01	1.26E+00	2.77E+00	2.01E-01	4.73E+00
2478	497188.92	3858670.93	2.57697	1.62047	14.221	2.72274	4.21E-01	1.26E+00	2.76E+00	2.00E-01	4.64E+00	4.15E-01	5.44E-05	3.02E-02	5.86E-03	4.51E-01	5.04E-01	1.26E+00	2.76E+00	2.00E-01	4.72E+00
2479	497238.92	3858670.93	2.58491	1.61845	14.202	2.71904	4.23E-01	1.26E+00	2.75E+00	2.00E-01	4.63E+00	4.17E-01	5.44E-05	3.02E-02	5.85E-03	4.53E-01	5.06E-01	1.26E+00	2.75E+00	2.00E-01	4.72E+00
2480	497088.92	3858720.93	3.17213	1.61476	14.966	2.76124	5.19E-01	1.25E+00	2.90E+00	2.03E-01	4.88E+00	5.11E-01	5.42E-05	3.18E-02	5.94E-03	5.49E-01	6.21E-01	1.25E+00	2.90E+00	2.03E-01	4.98E+00
2481	497138.92	3858720.93	2.53625	1.61211	14.159	2.75068	4.15E-01	1.25E+00	2.75E+00	2.03E-01	4.61E+00	4.09E-01	5.42E-05	3.01E-02	5.92E-03	4.45E-01	4.96E-01	1.25E+00	2.75E+00	2.03E-01	4.70E+00
2482	497188.92	3858720.93	2.54233	1.60984	14.003	2.74562	4.16E-01	1.25E+00	2.72E+00	2.02E-01	4.58E+00	4.10E-01	5.41E-05	2.98E-02	5.91E-03	4.45E-01	4.97E-01	1.25E+00	2.72E+00	2.02E-01	4.66E+00
2483	497238.92	3858720.93	3.18893	1.60792	14.674	2.74606	5.22E-01	1.25E+00	2.85E+00	2.02E-01	4.82E+00	5.14E-01	5.40E-05	3.12E-02	5.91E-03	5.51E-01	6.24E-01	1.25E+00	2.85E+00	2.02E-01	4.92E+00
2484	497088.92	3858770.93	3.17215	1.59824	15.154	2.77932	5.19E-01	1.24E+00	2.94E+00	2.05E-01	4.90E+00	5.11E-01	5.37E-05	3.22E-02	5.98E-03	5.49E-01	6.21E-01	1.24E+00	2.94E+00	2.05E-01	5.00E+00
2485	497138.92	3858770.93	3.1621	1.59572	15.037	2.7731	5.17E-01	1.24E+00	2.92E+00	2.04E-01	4.87E+00	5.10E-01	5.36E-05	3.20E-02	5.97E-03	5.48E-01	6.19E-01	1.24E+00	2.92E+00	2.04E-01	4.98E+00
2486	497188.92	3858770.93	3.16087	1.59344	15.006	2.76975	5.17E-01	1.24E+00	2.91E+00	2.04E-01	4.87E+00	5.09E-01	5.35E-05	3.19E-02	5.96E-03	5.47E-01	6.19E-01	1.24E+00	2.91E+00	2.04E-01	4.97E+00
2487	497238.92	3858770.93	3.21009	1.59108	14.96	2.7655	5.25E-01	1.23E+00	2.90E+00	2.04E-01	4.86E+00	5.17E-01	5.34E-05	3.18E-02	5.95E-03	5.55E-01	6.28E-01	1.23E+00	2.90E+00	2.04E-01	4.97E+00
2488	497396.65	3858622.63	3.30737	1.61756	14.968	2.68912	5.41E-01	1.25E+00	2.90E+00	1.98E-01	4.90E+00	5.33E-01	5.43E-05	3.18E-02	5.79E-03	5.71E-01	6.47E-01	1.25E+00	2.90E+00	1.98E-01	5.00E+00
2489	497496.65	3858622.63	3.36934	1.61432	14.933	2.7408	5.51E-01	1.25E+00	2.90E+00	2.02E-01	4.90E+00	5.43E-01	5.42E-05	3.18E-02	5.90E-03	5.81E-01	6.59E-01	1.25E+00	2.90E+00	2.02E-01	5.01E+00
2490	497596.65	3858622.63	3.57924	1.61149	16.764	2.82236	5.85E-01	1.25E+00	3.25E+00	2.08E-01	5.29E+00	5.77E-01	5.41E-05	3.56E-02	6.08E-03	6.19E-01	7.00E-01	1.25E+00	3.25E+00	2.08E-01	5.41E+00
2491	497696.65	3858622.63	3.69261	1.60779	17.184	2.83234	6.04E-01	1.25E+00	3.33E+00	2.09E-01	5.39E+00	5.95E-01	5.40E-05	3.65E-02	6.10E-03	6.38E-01	7.23E-01	1.25E+00	3.33E+00	2.09E-01	5.51E+00
2492	497796.65	3858622.63	3.90568	1.60445	18.144	2.87844	6.39E-01	1.24E+00	3.52E+00	2.12E-01	5.61E+00	6.29E-01	5.39E-05	3.86E-02	6.20E-03	6.74E-01	7.64E-01	1.24E+00	3.52E+00	2.12E-01	5.74E+00
2493	497896.65	3858622.63	4.1111	1.70947	19.754	2.92321	6.72E-01	1.33E+00	3.83E+00	2.15E-01	6.04E+00	6.62E-01	5.74E-05	4.20E-02	6.29E-03	7.11E-01	8.04E-01	1.33E+00	3.83E+00	2.15E-01	6.18E+00
2494	497396.65	3858722.63	3.41266	1.60143	15.015	2.82071	5.58E-01	1.24E+00	2.91E+00	2.08E-01	4.92E+00	5.50E-01	5.38E-05	3.19E-02	6.07E-03	5.88E-01	6.68E-01	1.24E+00	2.91E+00	2.08E-01	5.03E+00
2495	497496.65	3858722.63	3.57879	1.59742	16.467	2.82841	5.85E-01	1.24E+00	3.19E+00	2.08E-01	5.23E+00	5.77E-01	5.37E-05	3.50E-02	6.09E-03	6.18E-01	7.00E-01	1.24E+00	3.19E+00	2.08E-01	5.34E+00
2496	497596.65	3858722.63	3.92759	1.5937	18.494	2.89633	6.42E-01	1.24E+00	3.59E+00	2.13E-01	5.68E+00	6.33E-01	5.35E-05	3.93E-02	6.24E-03	6.78E-01	7.69E-01	1.24E+00	3.59E+00	2.13E-01	5.80E+00
2497	497696.65	3858722.63	4.14848	1.67451	19.707	2.93274	6.79E-01	1.30E+00	3.82E+00	2.16E-01	6.01E+00	6.68E-01	5.62E-05	4.19E-02	6.31E-03	7.17E-01	8.12E-01	1.30E+00	3.82E+00	2.16E-01	6.15E+00

2498	497796.65	3858722.63	4.2824	1.6687	20.634	2.94905	7.00E-01	1.29E+00	4.00E+00	2.17E-01	6.21E+00	6.90E-01	5.61E-05	4.39E-02	6.35E-03	7.40E-01	8.38E-01	1.29E+00	4.00E+00	2.17E-01	6.35E+00
2499	497896.65	3858722.63	4.4549	1.66315	22.157	2.97318	7.29E-01	1.29E+00	4.30E+00	2.19E-01	6.53E+00	7.18E-01	5.59E-05	4.71E-02	6.40E-03	7.71E-01	8.72E-01	1.29E+00	4.30E+00	2.19E-01	6.68E+00
2500	497396.65	3858822.63	3.56751	1.56058	17.985	2.83005	5.84E-01	1.21E+00	3.49E+00	2.08E-01	5.49E+00	5.75E-01	5.24E-05	3.82E-02	6.09E-03	6.19E-01	6.98E-01	1.21E+00	3.49E+00	2.08E-01	5.60E+00
2501	497496.65	3858822.63	3.78593	1.55611	18.665	2.86106	6.19E-01	1.21E+00	3.62E+00	2.11E-01	5.66E+00	6.10E-01	5.23E-05	3.97E-02	6.16E-03	6.56E-01	7.41E-01	1.21E+00	3.62E+00	2.11E-01	5.78E+00
2502	497596.65	3858822.63	4.21218	1.61131	23.559	2.94754	6.89E-01	1.25E+00	4.57E+00	2.17E-01	6.72E+00	6.79E-01	5.41E-05	5.01E-02	6.35E-03	7.35E-01	8.24E-01	1.25E+00	4.57E+00	2.17E-01	6.86E+00
2503	497696.65	3858822.63	4.39729	1.60566	23.484	2.95399	7.19E-01	1.25E+00	4.55E+00	2.17E-01	6.74E+00	7.09E-01	5.39E-05	4.99E-02	6.36E-03	7.65E-01	8.60E-01	1.25E+00	4.55E+00	2.17E-01	6.88E+00
2504	497796.65	3858822.63	4.55218	1.60036	26.496	2.97271	7.45E-01	1.24E+00	5.14E+00	2.19E-01	7.34E+00	7.34E-01	5.38E-05	5.63E-02	6.40E-03	7.96E-01	8.91E-01	1.24E+00	5.14E+00	2.19E-01	7.49E+00
2505	497896.65	3858822.63	4.84204	1.59545	28.735	3.00394	7.92E-01	1.24E+00	5.57E+00	2.21E-01	7.82E+00	7.80E-01	5.36E-05	6.11E-02	6.47E-03	8.48E-01	9.47E-01	1.24E+00	5.57E+00	2.21E-01	7.98E+00
2506	497396.65	3858922.63	3.7864	1.4996	20.184	2.83666	6.19E-01	1.16E+00	3.91E+00	2.09E-01	5.91E+00	6.10E-01	5.04E-05	4.29E-02	6.11E-03	6.59E-01	7.41E-01	1.16E+00	3.91E+00	2.09E-01	6.03E+00
2507	497496.65	3858922.63	4.18125	1.53259	23.979	2.89318	6.84E-01	1.19E+00	4.65E+00	2.13E-01	6.74E+00	6.74E-01	5.15E-05	5.10E-02	6.23E-03	7.31E-01	8.18E-01	1.19E+00	4.65E+00	2.13E-01	6.87E+00
2508	497596.65	3858922.63	4.25372	1.52764	24.378	2.88543	6.96E-01	1.18E+00	4.73E+00	2.12E-01	6.82E+00	6.85E-01	5.13E-05	5.18E-02	6.21E-03	7.44E-01	8.32E-01	1.19E+00	4.73E+00	2.12E-01	6.96E+00
2509	497696.65	3858922.63	4.69146	1.52434	31.979	2.95492	7.67E-01	1.18E+00	6.20E+00	2.18E-01	8.37E+00	7.56E-01	5.12E-05	6.80E-02	6.36E-03	8.30E-01	9.18E-01	1.18E+00	6.20E+00	2.18E-01	8.52E+00
2510	497796.65	3858922.63	4.92273	1.52023	32.865	2.97225	8.05E-01	1.18E+00	6.37E+00	2.19E-01	8.58E+00	7.93E-01	5.11E-05	6.99E-02	6.40E-03	8.70E-01	9.63E-01	1.18E+00	6.37E+00	2.19E-01	8.73E+00
2511	497896.65	3858922.63	5.28075	1.54975	39.959	3.16321	8.64E-01	1.20E+00	7.75E+00	2.33E-01	1.00E+01	8.51E-01	5.21E-05	8.50E-02	6.81E-03	9.43E-01	1.03E+00	1.20E+00	7.75E+00	2.33E-01	1.02E+01
2512	497364.44	3858201.52	2.24179	1.23279	14.135	2.40224	3.67E-01	9.56E-01	2.74E+00	1.77E-01	4.24E+00	3.61E-01	4.14E-05	3.01E-02	5.17E-03	3.96E-01	4.39E-01	9.56E-01	2.74E+00	1.77E-01	4.31E+00
2513	497414.44	3858201.52	2.33536	1.3139	14.101	2.44594	3.82E-01	1.02E+00	2.73E+00	1.80E-01	4.32E+00	3.76E-01	4.41E-05	3.00E-02	5.27E-03	4.12E-01	4.57E-01	1.02E+00	2.73E+00	1.80E-01	4.39E+00
2514	497464.44	3858201.52	2.32725	1.3133	14.058	2.44236	3.81E-01	1.02E+00	2.73E+00	1.80E-01	4.31E+00	3.75E-01	4.41E-05	2.99E-02	5.26E-03	4.10E-01	4.55E-01	1.02E+00	2.73E+00	1.80E-01	4.38E+00
2515	497514.44	3858201.52	2.31392	1.31249	14.001	2.43768	3.78E-01	1.02E+00	2.71E+00	1.79E-01	4.29E+00	3.73E-01	4.41E-05	2.98E-02	5.25E-03	4.08E-01	4.53E-01	1.02E+00	2.71E+00	1.79E-01	4.37E+00
2516	497564.44	3858201.52	2.29742	1.31168	13.946	2.43302	3.76E-01	1.02E+00	2.70E+00	1.79E-01	4.28E+00	3.70E-01	4.41E-05	2.97E-02	5.24E-03	4.05E-01	4.50E-01	1.02E+00	2.70E+00	1.79E-01	4.35E+00
2517	497614.44	3858201.52	2.2843	1.4396	13.897	2.42808	3.74E-01	1.12E+00	2.69E+00	1.79E-01	4.36E+00	3.68E-01	4.84E-05	2.95E-02	5.23E-03	4.03E-01	4.47E-01	1.12E+00	2.69E+00	1.79E-01	4.44E+00
2518	497364.44	3858251.52	2.41618	1.33563	13.947	2.4611	3.95E-01	1.04E+00	2.70E+00	1.81E-01	4.32E+00	3.89E-01	4.49E-05	2.97E-02	5.30E-03	4.24E-01	4.73E-01	1.04E+00	2.70E+00	1.81E-01	4.39E+00
2519	497414.44	3858251.52	2.41286	1.47484	13.96	2.45617	3.95E-01	1.14E+00	2.71E+00	1.81E-01	4.43E+00	3.89E-01	4.95E-05	2.97E-02	5.29E-03	4.24E-01	4.72E-01	1.14E+00	2.71E+00	1.81E-01	4.50E+00
2520	497464.44	3858251.52	2.39589	1.47495	13.874	2.452	3.92E-01	1.14E+00	2.69E+00	1.81E-01	4.41E+00	3.86E-01	4.95E-05	2.95E-02	5.28E-03	4.21E-01	4.69E-01	1.14E+00	2.69E+00	1.81E-01	4.48E+00
2521	497514.44	3858251.52	2.37752	1.33555	13.794	2.44768	3.89E-01	1.04E+00	2.67E+00	1.80E-01	4.28E+00	3.83E-01	4.49E-05	2.93E-02	5.27E-03	4.18E-01	4.65E-01	1.04E+00	2.67E+00	1.80E-01	4.36E+00
2522	497564.44	3858251.52	2.36294	1.33545	13.742	2.44302	3.86E-01	1.04E+00	2.66E+00	1.80E-01	4.27E+00	3.81E-01	4.49E-05	2.92E-02	5.26E-03	4.15E-01	4.62E-01	1.04E+00	2.66E+00	1.80E-01	4.34E+00
2523	497614.44	3858251.52	2.34842	1.33532	13.69	2.43829	3.84E-01	1.04E+00	2.65E+00	1.80E-01	4.25E+00	3.78E-01	4.49E-05	2.91E-02	5.25E-03	4.13E-01	4.60E-01	1.04E+00	2.65E+00	1.80E-01	4.33E+00
2524	497364.44	3858301.52	2.47399	1.50858	13.836	2.46749	4.05E-01	1.17E+00	2.68E+00	1.82E-01	4.44E+00	3.99E-01	5.07E-05	2.94E-02	5.31E-03	4.33E-01	4.84E-01	1.17E+00	2.68E+00	1.82E-01	4.52E+00
2525	497414.44	3858301.52	2.46967	1.50867	14.188	2.46254	4.04E-01	1.17E+00	2.75E+00	1.81E-01	4.51E+00	3.98E-01	5.07E-05	3.02E-02	5.30E-03	4.33E-01	4.83E-01	1.17E+00	2.75E+00	1.81E-01	4.59E+00
2526	497464.44	3858301.52	2.45298	1.50847	13.759	2.45864	4.01E-01	1.17E+00	2.67E+00	1.81E-01	4.42E+00	3.95E-01	5.07E-05	2.93E-02	5.29E-03	4.30E-01	4.80E-01	1.17E+00	2.67E+00	1.81E-01	4.50E+00
2527	497514.44	3858301.52	2.43788	1.5083	13.685	2.4544	3.99E-01	1.17E+00	2.65E+00	1.81E-01	4.40E+00	3.93E-01	5.07E-05	2.91E-02	5.28E-03	4.27E-01	4.77E-01	1.17E+00	2.65E+00	1.81E-01	4.48E+00
2528	497564.44	3858301.52	2.42029	1.36169	13.576	2.45014	3.96E-01	1.06E+00	2.63E+00	1.80E-01	4.26E+00	3.90E-01	4.57E-05	2.89E-02	5.27E-03	4.24E-01	4.74E-01	1.06E+00	2.63E+00	1.80E-01	4.34E+00
2529	497614.44	3858301.52	2.40719	1.36131	13.533	2.44553	3.94E-01	1.06E+00	2.62E+00	1.80E-01	4.25E+00	3.88E-01	4.57E-05	2.88E-02	5.26E-03	4.22E-01	4.71E-01	1.06E+00	2.62E+00	1.80E-01	4.33E+00
2530	497364.44	3858351.52	2.52488	1.53923	14.458	2.473	4.13E-01	1.19E+00	2.80E+00	1.82E-01	4.59E+00	4.07E-01	5.17E-05	3.07E-02	5.32E-03	4.43E-01	4.94E-01	1.19E+00	2.80E+00	1.82E-01	4.67E+00
2531	497414.44	3858351.52	2.51259	1.53886	14.125	2.46691	4.11E-01	1.19E+00	2.74E+00	1.82E-01	4.53E+00	4.05E-01	5.17E-05	3.00E-02	5.31E-03	4.40E-01	4.92E-01	1.19E+00	2.74E+00	1.82E-01	4.61E+00
2532	497464.44	3858351.52	2.5025	1.53851	14.217	2.46212	4.09E-01	1.19E+00	2.76E+00	1.81E-01	4.54E+00	4.03E-01	5.17E-05	3.02E-02	5.30E-03	4.39E-01	4.90E-01	1.19E+00	2.76E+00	1.81E-01	4.62E+00
2533	497514.44	3858351.52	2.49056	1.53808	13.899	2.45786	4.07E-01	1.19E+00	2.70E+00	1.81E-01	4.48E+00	4.01E-01	5.17E-05	2.96E-02	5.29E-03	4.36E-01	4.87E-01	1.19E+00	2.70E+00	1.81E-01	4.56E+00
2534	497564.44	3858351.52	2.47296	1.53746	13.509	2.45415	4.04E-01	1.19E+00	2.62E+00	1.81E-01	4.40E+00	3.98E-01	5.16E-05	2.87E-02	5.28E-03	4.33E-01	4.84E-01	1.19E+00	2.62E+00	1.81E-01	4.48E+00
2535	497614.44	3858351.52	2.46202	1.53704	13.47	2.44958	4.03E-01	1.19E+00	2.61E+00	1.80E-01	4.39E+00	3.97E-01	5.16E-05	2.86E-02	5.27E-03	4.31E-01	4.82E-01	1.19E+00	2.61E+00	1.80E-01	4.47E+00
2536	497364.44	3858401.52	2.56019	1.56567	15.003	2.53335	4.19E-01	1.21E+00	2.91E+00	1.87E-01	4.73E+00	4.13E-01	5.26E-05	3.19E-02	5.45E-03	4.50E-01	5.01E-01	1.21E+00	2.91E+00	1.87E-01	4.81E+00
2537	497414.44	3858401.52	2.55074	1.56491	14.497	2.49306	4.17E-01	1.21E+00	2.81E+00	1.84E-01	4.63E+00	4.11E-01	5.26E-05	3.08E-02	5.37E-03	4.47E-01	4.99E-01	1.21E+00	2.81E+00	1.84E-01	4.71E+00
2538	497464.44	3858401.52	2.53892	1.56419	14.274	2.47463	4.15E-01	1.21E+00	2.77E+00	1.82E-01	4.58E+00	4.09E-01	5.25E-05	3.03E-02	5.33E-03	4.45E-01	4.97E-01	1.21E+00	2.77E+00	1.82E-01	4.66E+00
2539	497514.44	3858401.52	2.529	1.56351	14.104	2.46827	4.14E-01	1.21E+00	2.73E+00	1.82E-01	4.54E+00	4.08E-01	5.25E-05	3.00E-02	5.31E-03	4.43E-01	4.95E-01	1.21E+00	2.73E+00	1.82E-01	4.62E+00
2540	497564.44	3858401.52	2.5279	1.56308	15.04	2.50606	4.13E-01	1.21E+00	2.92E+00	1.85E-01	4.73E+00	4.07E-01	5.25E-05	3.20E-02	5.39E-03	4.45E-01	4.95E-01	1.21E+00	2.92E+00	1.85E-01	4.81E+00
2541	497614.44	3858401.52	2.52876	1.56278	15.328	2.52552	4.14E-01	1.21E+00	2.97E+00	1.86E-01	4.78E+00	4.07E-01	5.25E-05	3.26E-02	5.44E-03	4.46E-01	4.95E-01	1.21E+00	2.97E+00	1.86E-01	4.87E+00
2542	493478.11	3860497.94	11.5697	6.093	18.659	3.72868	1.89E+00	4.73E+00	3.62E+00	2.75E-01	1.05E+01	1.86E+00	2.05E-04	3.97E-02	8.03E-03	1.91E+00	2.26E+00	4.73E+00	3.62E+00	2.75E-01	1.09E+01
2543	493528.11	3860497.94	11.4327	6.04285	18.743	3.74859	1.87E+00	4.69E+00	3.63E+00	2.76E-01	1.05E+01	1.84E+00	2.03E-04	3.99E-02	8.07E-03	1.89E+00	2.24E+00	4.69E+00	3.63E+00	2.76E-01	1.08E+01
2544	493478.11	3860547.94	11.4874	6.04762	17.85	3.70826	1.88E+00	4.69E+00	3.46E+00	2.73E-01	1.03E+01	1.85E+00	2.03E-04	3.80E-02	7.98E-03	1.90E+00	2.25E+00	4.69E+00	3.46E+00	2.73E-01	1.07E+01
2545	493528.11	3860547.94	11.4093	5.91802	17.967	3.72942	1.87E+00	4.59E+00	3.48E+00	2.75E-01	1.02E+01	1.84E+00	1.99E-04	3.82E-02	8.03E-03	1.88E+00	2.23E+00	4.59E+00	3.48E+00	2.75E-01	1.06E+01
2546	493478.11	3860597.94	11.2912	5.99508	17.003	3.68316	1.85E+00	4.65E+00	3.30E+00	2.71E-01	1.01E+01	1.82E+00	2.01E-04	3.62E-02	7.93E-03	1.86E+00	2.21E+00	4.65E+00	3.30E+00	2.71E-01	1.04E+01
2547	493528.11	3860597.94	11.2813	5.94775	17.177	3.7007	1.85E+00	4.61E+00	3.33E+00	2.72E-01	1.01E+01	1.82E+00	2.00E-04	3.65E-02	7.97E-03	1.86E+00	2.21E+00	4.61E+00	3.33E+00	2.72E-01	1.04E+01
2548	493561.88	3860524.64	11.3528	5.99911	18.424	3.75321	1.86E+00	4.65E+00	3.57E+00	2.76E-01	1.04E+01	1.83E+00	2.02E-04	3.92E-02	8.08E-03	1.88E+00	2.22E+00	4.65E+00	3.57E+00	2.76E-01	1.07E+01
2549	493591.88	3860524.64	11.2786	5.9796	18.54	3.76003	1.84E+00	4.64E+00	3.60E+00	2.77E-01	1.04E+01	1.82E+00	2.01E-04	3.94E-02	8.09E-03	1.87E+00	2.21E+00	4.64E+00	3.60E+00	2.77E-01	1.07E+01
2550	493561.88	3860554.64	11.3394	5.89042	17.962	3.73705	1.85E+00	4.57E+00	3.48E+00	2.75E-01	1.02E+01	1.83E+00	1.98E-04	3.82E-02	8.04E-03	1.87E+00	2.22E+00	4.57E+00	3.48E+00	2.75E-01	1.05E+01
2551	493591.88	3860554.64	11.3001	5.95788	18.137	3.74492	1.85E+00	4.62E+00	3.52E+00	2.76E-01	1.03E+01	1.82E+00	2.00E-04	3.86E-02	8.06E-03	1.87E+00	2.21E+00	4.62E+00	3.52E+00	2.76E-01	1.06E+01
2552	492880.5	3860293.11	12.5437	6.64331	19.031	3.72259	2.05E+00	5.15E+00	3.69E+00	2.74E-01	1.12E+01	2.02E+00	2.23E-04	4.05E-02	8.01E-03	2.07E+00	2.45E+00	5.15E+00	3.69E+00	2.74E-01	1.16E+01
2553	492930.5	3860293.11	12.5085	6.59686	19.471	3.71088	2.05E+00	5.12E+00	3.78E+00	2.73E-01	1.12E+01	2.02E+00	2.22E-04	4.14E-02	7.99E-03	2.07E+00	2.45E+00	5.12E+00	3.78E+00	2.73E-01	1.16E+01
2554	492980.5	3860293.11	12.5649	6.55536	19.93	3.70198	2.06E+00	5.08E+00	3.86E+00	2.73E-01	1.13E+01	2.02E+00	2.20E-04	4.24E-02	7.97E-03	2.08E+00	2.46E+00	5.09E+00	3.86E+00	2.73E-01	1.17E+01
2555	493030.5	3860293.11	12.6709	6.46	20.408	3.67064	2.07E+00	5.01E+00	3.96E+00	2.70E-01	1.13E+01	2.04E+00	2.17E-04	4.34E-02	7.90E-03	2.09E+00	2.48E+00	5.01E+00	3.96E+00	2.70E-01	1.17E+01
2556	493080.5	3860293.11	12.7211	6.24634	20.16	3.64554	2.08E+00	4.85E+00	3.91E+00	2.68E-01	1.11E+01	2.05E+00	2.10E-04	4.29E-02	7.85E-03	2.10E+00	2.49E+00	4.85E+00	3.91E+00	2.68E-01	1.15E+01
2557	493130.5	3860293.11	12.5188	6.31795	20.515	3.66515	2.05E+00	4.90E+00	3.98E+00	2.70E-01	1.12E+01	2.02E+00	2.12E-04	4.36E-02	7.89E-03	2.07E+00	2.45E+00	4.90E+00	3.98E+00	2.70E-01	1.16E+01
2558	493180.5	3860293.11	12.2867	6.32146	20.819	3.68743	2.01E+00	4.90E+00	4.04E+00	2.71E-01	1.12E+01	1.98E+00	2.12E-04	4.43E-02	7.94E-03	2.03E+00	2.40E+00	4.90E+00	4.04E+00	2.71E-01	1.16E+01

2559	493230.5	3860293.11	12.1273	6.27127	20.963	3.69327	1.98E+00	4.86E+00	4.06E+00	2.72E-01	1.12E+01	1.95E+00	2.11E-04	4.46E-02	7.95E-03	2.01E+00	2.37E+00	4.86E+00	4.06E+00	2.72E-01	1.16E+01
2560	493280.5	3860293.11	12.0991	6.1725	20.907	3.68026	1.98E+00	4.79E+00	4.05E+00	2.71E-01	1.11E+01	1.95E+00	2.07E-04	4.45E-02	7.92E-03	2.00E+00	2.37E+00	4.79E+00	4.05E+00	2.71E-01	1.15E+01
2561	493330.5	3860293.11	12.0025	6.08772	20.986	3.6749	1.96E+00	4.72E+00	4.07E+00	2.71E-01	1.10E+01	1.93E+00	2.04E-04	4.46E-02	7.91E-03	1.99E+00	2.35E+00	4.72E+00	4.07E+00	2.71E-01	1.14E+01
2562	493380.5	3860293.11	11.9091	6.01293	21.081	3.67239	1.95E+00	4.66E+00	4.09E+00	2.70E-01	1.10E+01	1.92E+00	2.02E-04	4.48E-02	7.91E-03	1.97E+00	2.33E+00	4.66E+00	4.09E+00	2.70E-01	1.14E+01
2563	492880.5	3860343.11	12.3039	6.65167	17.912	3.75593	2.01E+00	5.16E+00	3.47E+00	2.77E-01	1.09E+01	1.98E+00	2.23E-04	3.81E-02	8.09E-03	2.03E+00	2.41E+00	5.16E+00	3.47E+00	2.77E-01	1.13E+01
2564	492930.5	3860343.11	12.3448	6.60519	18.332	3.73023	2.02E+00	5.12E+00	3.55E+00	2.75E-01	1.10E+01	1.99E+00	2.22E-04	3.90E-02	8.03E-03	2.04E+00	2.42E+00	5.12E+00	3.55E+00	2.75E-01	1.14E+01
2565	492980.5	3860343.11	12.4686	6.56176	19.332	3.67954	2.04E+00	5.09E+00	3.75E+00	2.71E-01	1.11E+01	2.01E+00	2.20E-04	4.11E-02	7.92E-03	2.06E+00	2.44E+00	5.09E+00	3.75E+00	2.71E-01	1.15E+01
2566	493030.5	3860343.11	12.4247	6.50901	19.67	3.65772	2.03E+00	5.05E+00	3.81E+00	2.69E-01	1.12E+01	2.00E+00	2.19E-04	4.18E-02	7.87E-03	2.05E+00	2.43E+00	5.05E+00	3.81E+00	2.69E-01	1.16E+01
2567	493080.5	3860343.11	12.557	6.37762	19.778	3.6266	2.05E+00	4.95E+00	3.84E+00	2.67E-01	1.11E+01	2.02E+00	2.14E-04	4.21E-02	7.81E-03	2.07E+00	2.46E+00	4.95E+00	3.84E+00	2.67E-01	1.15E+01
2568	493130.5	3860343.11	12.4852	6.35654	20.062	3.61707	2.04E+00	4.93E+00	3.89E+00	2.66E-01	1.11E+01	2.01E+00	2.14E-04	4.27E-02	7.79E-03	2.06E+00	2.44E+00	4.93E+00	3.89E+00	2.66E-01	1.15E+01
2569	493180.5	3860343.11	12.3089	6.35742	20.318	3.64518	2.01E+00	4.93E+00	3.94E+00	2.68E-01	1.12E+01	1.98E+00	2.14E-04	4.32E-02	7.85E-03	2.03E+00	2.41E+00	4.93E+00	3.94E+00	2.68E-01	1.15E+01
2570	493230.5	3860343.11	12.1772	6.3164	20.422	3.65111	1.99E+00	4.90E+00	3.96E+00	2.69E-01	1.11E+01	1.96E+00	2.12E-04	4.34E-02	7.86E-03	2.01E+00	2.38E+00	4.90E+00	3.96E+00	2.69E-01	1.15E+01
2571	493280.5	3860343.11	12.0756	6.24785	20.525	3.63411	1.98E+00	4.85E+00	3.98E+00	2.68E-01	1.11E+01	1.95E+00	2.10E-04	4.36E-02	7.82E-03	2.00E+00	2.36E+00	4.85E+00	3.98E+00	2.68E-01	1.15E+01
2572	493330.5	3860343.11	11.9854	6.17497	20.45	3.62869	1.96E+00	4.79E+00	3.97E+00	2.67E-01	1.10E+01	1.93E+00	2.07E-04	4.35E-02	7.81E-03	1.98E+00	2.35E+00	4.79E+00	3.97E+00	2.67E-01	1.14E+01
2573	493380.5	3860343.11	11.905	6.11945	20.655	3.63015	1.95E+00	4.75E+00	4.01E+00	2.67E-01	1.10E+01	1.92E+00	2.06E-04	4.39E-02	7.81E-03	1.97E+00	2.33E+00	4.75E+00	4.01E+00	2.67E-01	1.13E+01
2574	492880.5	3860393.11	11.9209	6.5429	16.818	3.78872	1.95E+00	5.08E+00	3.26E+00	2.79E-01	1.06E+01	1.92E+00	2.20E-04	3.58E-02	8.16E-03	1.96E+00	2.33E+00	5.08E+00	3.26E+00	2.79E-01	1.09E+01
2575	492930.5	3860393.11	12.0706	6.5876	17.282	3.75989	1.97E+00	5.11E+00	3.35E+00	2.77E-01	1.07E+01	1.94E+00	2.21E-04	3.67E-02	8.09E-03	1.99E+00	2.36E+00	5.11E+00	3.35E+00	2.77E-01	1.11E+01
2576	492980.5	3860393.11	12.2075	6.57568	17.929	3.72369	2.00E+00	5.10E+00	3.48E+00	2.74E-01	1.08E+01	1.97E+00	2.21E-04	3.81E-02	8.02E-03	2.01E+00	2.39E+00	5.10E+00	3.48E+00	2.74E-01	1.12E+01
2577	493030.5	3860393.11	12.2626	6.53275	18.485	3.69422	2.01E+00	5.07E+00	3.58E+00	2.72E-01	1.09E+01	1.98E+00	2.19E-04	3.93E-02	7.95E-03	2.02E+00	2.40E+00	5.07E+00	3.58E+00	2.72E-01	1.13E+01
2578	493080.5	3860393.11	12.3446	6.44098	19.233	3.65781	2.02E+00	5.00E+00	3.73E+00	2.69E-01	1.10E+01	1.99E+00	2.16E-04	4.09E-02	7.87E-03	2.04E+00	2.42E+00	5.00E+00	3.73E+00	2.69E-01	1.14E+01
2579	493130.5	3860393.11	12.2629	6.41586	19.465	3.64611	2.01E+00	4.98E+00	3.77E+00	2.68E-01	1.10E+01	1.98E+00	2.16E-04	4.14E-02	7.85E-03	2.03E+00	2.40E+00	4.98E+00	3.77E+00	2.68E-01	1.14E+01
2580	493180.5	3860393.11	12.1726	6.38113	19.291	3.67013	1.99E+00	4.95E+00	3.74E+00	2.70E-01	1.10E+01	1.96E+00	2.14E-04	4.10E-02	7.90E-03	2.01E+00	2.38E+00	4.95E+00	3.74E+00	2.70E-01	1.13E+01
2581	493230.5	3860393.11	12.136	6.33682	19.548	3.6703	1.98E+00	4.92E+00	3.79E+00	2.70E-01	1.10E+01	1.96E+00	2.13E-04	4.16E-02	7.90E-03	2.01E+00	2.37E+00	4.92E+00	3.79E+00	2.70E-01	1.14E+01
2582	493280.5	3860393.11	12.1177	6.28041	20.077	3.64797	1.98E+00	4.87E+00	3.89E+00	2.69E-01	1.10E+01	1.95E+00	2.11E-04	4.27E-02	7.85E-03	2.00E+00	2.37E+00	4.87E+00	3.89E+00	2.69E-01	1.14E+01
2583	493330.5	3860393.11	12.0252	6.21429	20.186	3.6399	1.97E+00	4.82E+00	3.91E+00	2.68E-01	1.10E+01	1.94E+00	2.09E-04	4.29E-02	7.84E-03	1.99E+00	2.35E+00	4.82E+00	3.91E+00	2.68E-01	1.14E+01
2584	493380.5	3860393.11	11.8764	6.15847	20.226	3.6402	1.94E+00	4.78E+00	3.92E+00	2.68E-01	1.09E+01	1.91E+00	2.07E-04	4.30E-02	7.84E-03	1.96E+00	2.32E+00	4.78E+00	3.92E+00	2.68E-01	1.13E+01
2585	492880.5	3860443.11	11.6556	6.5742	16.195	3.79854	1.91E+00	5.10E+00	3.14E+00	2.80E-01	1.04E+01	1.88E+00	2.21E-04	3.44E-02	8.18E-03	1.92E+00	2.28E+00	5.10E+00	3.14E+00	2.80E-01	1.08E+01
2586	492930.5	3860443.11	11.6362	6.51597	16.281	3.78223	1.90E+00	5.05E+00	3.16E+00	2.78E-01	1.04E+01	1.87E+00	2.19E-04	3.46E-02	8.14E-03	1.92E+00	2.28E+00	5.05E+00	3.16E+00	2.78E-01	1.08E+01
2587	492980.5	3860443.11	11.8164	6.45048	16.658	3.75001	1.93E+00	5.00E+00	3.23E+00	2.76E-01	1.04E+01	1.90E+00	2.17E-04	3.54E-02	8.07E-03	1.95E+00	2.31E+00	5.00E+00	3.23E+00	2.76E-01	1.08E+01
2588	493030.5	3860443.11	11.9664	6.49176	17.221	3.72026	1.96E+00	5.04E+00	3.34E+00	2.74E-01	1.06E+01	1.93E+00	2.18E-04	3.66E-02	8.01E-03	1.97E+00	2.34E+00	5.04E+00	3.34E+00	2.74E-01	1.10E+01
2589	493080.5	3860443.11	12.0234	6.46005	17.639	3.7	1.97E+00	5.01E+00	3.42E+00	2.72E-01	1.07E+01	1.94E+00	2.17E-04	3.75E-02	7.97E-03	1.98E+00	2.35E+00	5.01E+00	3.42E+00	2.72E-01	1.11E+01
2590	493130.5	3860443.11	12.0353	6.42435	18.044	3.67926	1.97E+00	4.98E+00	3.50E+00	2.71E-01	1.07E+01	1.94E+00	2.16E-04	3.84E-02	7.92E-03	1.99E+00	2.36E+00	4.98E+00	3.50E+00	2.71E-01	1.11E+01
2591	493180.5	3860443.11	11.9145	6.35791	18.082	3.69661	1.95E+00	4.93E+00	3.51E+00	2.72E-01	1.07E+01	1.92E+00	2.14E-04	3.84E-02	7.96E-03	1.97E+00	2.33E+00	4.93E+00	3.51E+00	2.72E-01	1.10E+01
2592	493230.5	3860443.11	11.9784	6.33692	18.678	3.67161	1.96E+00	4.92E+00	3.62E+00	2.70E-01	1.08E+01	1.93E+00	2.13E-04	3.97E-02	7.90E-03	1.98E+00	2.34E+00	4.92E+00	3.62E+00	2.70E-01	1.12E+01
2593	493280.5	3860443.11	12.0054	6.28962	19.103	3.65991	1.96E+00	4.88E+00	3.70E+00	2.69E-01	1.08E+01	1.93E+00	2.11E-04	4.06E-02	7.88E-03	1.98E+00	2.35E+00	4.88E+00	3.70E+00	2.69E-01	1.12E+01
2594	493330.5	3860443.11	12.0154	6.24169	19.638	3.64046	1.97E+00	4.84E+00	3.81E+00	2.68E-01	1.09E+01	1.94E+00	2.10E-04	4.18E-02	7.84E-03	1.99E+00	2.35E+00	4.84E+00	3.81E+00	2.68E-01	1.13E+01
2595	493380.5	3860443.11	11.9067	6.20515	19.759	3.65064	1.95E+00	4.81E+00	3.83E+00	2.69E-01	1.09E+01	1.92E+00	2.08E-04	4.20E-02	7.86E-03	1.97E+00	2.33E+00	4.81E+00	3.83E+00	2.69E-01	1.12E+01
2596	493180.5	3860493.11	11.7833	6.32731	17.156	3.68077	1.93E+00	4.91E+00	3.33E+00	2.71E-01	1.04E+01	1.90E+00	2.13E-04	3.65E-02	7.92E-03	1.94E+00	2.31E+00	4.91E+00	3.33E+00	2.71E-01	1.08E+01
2597	493230.5	3860493.11	11.8083	6.29496	17.621	3.66777	1.93E+00	4.88E+00	3.42E+00	2.70E-01	1.05E+01	1.90E+00	2.11E-04	3.75E-02	7.90E-03	1.95E+00	2.31E+00	4.88E+00	3.42E+00	2.70E-01	1.09E+01
2598	493280.5	3860493.11	11.793	6.27581	18.104	3.65645	1.93E+00	4.87E+00	3.51E+00	2.69E-01	1.06E+01	1.90E+00	2.11E-04	3.85E-02	7.87E-03	1.95E+00	2.31E+00	4.87E+00	3.51E+00	2.69E-01	1.10E+01
2599	493330.5	3860493.11	11.8235	6.24194	18.494	3.65037	1.93E+00	4.84E+00	3.59E+00	2.69E-01	1.06E+01	1.91E+00	2.10E-04	3.93E-02	7.86E-03	1.95E+00	2.31E+00	4.84E+00	3.59E+00	2.69E-01	1.10E+01
2600	493380.5	3860493.11	11.7864	6.19804	18.657	3.66565	1.93E+00	4.81E+00	3.62E+00	2.70E-01	1.06E+01	1.90E+00	2.08E-04	3.97E-02	7.89E-03	1.95E+00	2.31E+00	4.81E+00	3.62E+00	2.70E-01	1.10E+01
2601	493330.5	3860543.11	11.6531	6.22064	17.47	3.63407	1.91E+00	4.83E+00	3.39E+00	2.68E-01	1.04E+01	1.88E+00	2.09E-04	3.71E-02	7.82E-03	1.92E+00	2.28E+00	4.83E+00	3.39E+00	2.68E-01	1.08E+01
2602	493380.5	3860543.11	11.5688	6.1599	17.673	3.65811	1.89E+00	4.78E+00	3.43E+00	2.69E-01	1.04E+01	1.86E+00	2.07E-04	3.76E-02	7.88E-03	1.91E+00	2.26E+00	4.78E+00	3.43E+00	2.69E-01	1.07E+01
2603	494135.94	3860876.85	10.1348	5.42481	15.522	3.56875	1.66E+00	4.21E+00	3.01E+00	2.63E-01	9.14E+00	1.63E+00	1.82E-04	3.30E-02	7.68E-03	1.67E+00	1.98E+00	4.21E+00	3.01E+00	2.63E-01	9.46E+00
2604	494185.94	3860876.85	10.0449	5.40214	15.685	3.57436	1.64E+00	4.19E+00	3.04E+00	2.63E-01	9.14E+00	1.62E+00	1.81E-04	3.33E-02	7.69E-03	1.66E+00	1.97E+00	4.19E+00	3.04E+00	2.63E-01	9.46E+00
2605	494135.94	3860926.85	10.0291	5.37478	14.824	3.48026	1.64E+00	4.17E+00	2.87E+00	2.56E-01	8.94E+00	1.62E+00	1.81E-04	3.15E-02	7.49E-03	1.66E+00	1.96E+00	4.17E+00	2.87E+00	2.56E-01	9.26E+00
2606	494185.94	3860926.85	10.0008	5.33816	15.033	3.49291	1.64E+00	4.14E+00	2.91E+00	2.57E-01	8.95E+00	1.61E+00	1.79E-04	3.20E-02	7.52E-03	1.65E+00	1.96E+00	4.14E+00	2.91E+00	2.57E-01	9.27E+00
2607	494135.94	3860976.85	9.87647	5.38265	14.111	3.41465	1.62E+00	4.18E+00	2.74E+00	2.51E-01	8.78E+00	1.59E+00	1.81E-04	3.00E-02	7.35E-03	1.63E+00	1.93E+00	4.18E+00	2.74E+00	2.51E-01	9.10E+00
2608	494185.94	3860976.85	9.86597	5.34726	14.349	3.42332	1.61E+00	4.15E+00	2.78E+00	2.52E-01	8.80E+00	1.59E+00	1.80E-04	3.05E-02	7.37E-03	1.63E+00	1.93E+00	4.15E+00	2.78E+00	2.52E-01	9.11E+00
2609	494135.94	3861026.85	9.77186	5.4096	13.368	3.36444	1.60E+00	4.20E+00	2.59E+00	2.48E-01	8.63E+00	1.57E+00	1.82E-04	2.84E-02	7.24E-03	1.61E+00	1.91E+00	4.20E+00	2.59E+00	2.48E-01	8.95E+00
2610	494185.94	3861026.85	9.75313	5.36432	13.629	3.37075	1.60E+00	4.16E+00	2.64E+00	2.48E-01	8.65E+00	1.57E+00	1.80E-04	2.90E-02	7.26E-03	1.61E+00	1.91E+00	4.16E+00	2.64E+00	2.48E-01	8.96E+00
2611	494135.94	3861076.85	9.57976	5.45035	12.818	3.31284	1.57E+00	4.23E+00	2.49E+00	2.44E-01	8.52E+00	1.54E+00	1.83E-04	2.73E-02	7.13E-03	1.58E+00	1.87E+00	4.23E+00	2.49E+00	2.44E-01	8.83E+00
2612	494185.94	3861076.85	9.61282	5.39868	12.927	3.31842	1.57E+00	4.19E+00	2.51E+00	2.44E-01	8.51E+00	1.55E+00	1.81E-04	2.75E-02	7.14E-03	1.58E+00	1.88E+00	4.19E+00	2.51E+00	2.44E-01	8.82E+00
2613	490360.04	3858710.04	19.2577	7.96072	31.389	4.14247	3.15E+00	6.18E+00	6.09E+00	3.05E-01	1.57E+01	3.10E+00	2.67E-04	6.67E-02	8.92E-03	3.18E+00	3.77E+00	6.18E+00	6.09E+00	3.05E-01	1.63E+01
2614	490410.04	3858710.04	19.0896	7.71624	31.465	4.19014	3.12E+00	5.99E+00	6.10E+00	3.08E-01	1.55E+01	3.08E+00	2.59E-04	6.69E-02	9.02E-03	3.15E+00	3.74E+00	5.99E+00	6.10E+00	3.08E-01	1.61E+01
2615	490460.04	3858710.04	19.0128	7.31027	31.551	4.36007	3.11E+00	5.67E+00	6.12E+00	3.21E-01	1.52E+01	3.06E+00	2.46E-04	6.71E-02	9.39E-03	3.14E+00	3.72E+00	5.67E+00	6.12E+00	3.21E-01	1.58E+01
2616	490510.04	3858710.04	18.9828	7.07022	31.757	4.45154	3.10E+00	5.48E+00	6.16E+00	3.28E-01	1.51E+01	3.06E+00	2.37E-04	6.75E-02	9.58E-03	3.14E+00	3.71E+00	5.48E+00	6.16E+00	3.28E-01	1.57E+01
2617	490560.04	3858710.04	19.0097	6.8841	31.836	4.50411	3.11E+00	5.34E+00	6.17E+00	3.32E-01	1.50E+01	3.06E+00	2.31E-04	6.77E-02	9.70E-03	3.14E+00	3.72E+00	5.34E+00	6.17E+00	3.32E-01	1.56E+01
2618	490610.04	3858710.04	18.9452	6.67111	31.801	4.55535	3.10E+00	5.17E+00	6.17E+00	3.35E-01	1.48E+01	3.05E+00	2.24E-04	6.76E-02	9.81E-03	3.13E+00	3.71E+00	5.18E+00	6.17E+00	3.35E-01	1.54E+01
2619	490660.04	3858710.04	18.8745	6.61003	31.821	4.5782	3.09E+00	5.13E+00	6.17E+00	3.37E-01	1.47E+01	3.04E+00	2.22E-04	6.77E-02	9.86E-03	3.12E+00	3.69E+00	5.13E+00	6.17E+00	3.37E-01	1.53E+01

2620	490710.04	3858710.04	18.7554	6.30044	31.791	4.70895	3.07E+00	4.89E+00	6.16E+00	3.47E-01	1.45E+01	3.02E+00	2.12E-04	6.76E-02	1.01E-02	3.10E+00	3.67E+00	4.89E+00	6.16E+00	3.47E-01	1.51E+01
2621	490760.04	3858710.04	18.7036	6.05388	31.655	4.79289	3.06E+00	4.70E+00	6.14E+00	3.53E-01	1.42E+01	3.01E+00	2.03E-04	6.73E-02	1.03E-02	3.09E+00	3.66E+00	4.70E+00	6.14E+00	3.53E-01	1.48E+01
2622	490810.04	3858710.04	18.6045	5.838	31.429	4.90034	3.04E+00	4.53E+00	6.09E+00	3.61E-01	1.40E+01	3.00E+00	1.96E-04	6.68E-02	1.05E-02	3.08E+00	3.64E+00	4.53E+00	6.09E+00	3.61E-01	1.46E+01
2623	490860.04	3858710.04	18.4659	5.56772	31.356	5.10058	3.02E+00	4.32E+00	6.08E+00	3.76E-01	1.38E+01	2.98E+00	1.87E-04	6.67E-02	1.10E-02	3.05E+00	3.61E+00	4.32E+00	6.08E+00	3.76E-01	1.44E+01
2624	490360.04	3858760.04	19.3772	8.25861	29.758	4.34535	3.17E+00	6.41E+00	5.77E+00	3.20E-01	1.57E+01	3.12E+00	2.77E-04	6.33E-02	9.35E-03	3.20E+00	3.79E+00	6.41E+00	5.77E+00	3.20E-01	1.63E+01
2625	490410.04	3858760.04	19.3184	7.93928	29.786	4.39603	3.16E+00	6.16E+00	5.78E+00	3.24E-01	1.54E+01	3.11E+00	2.67E-04	6.33E-02	9.46E-03	3.19E+00	3.78E+00	6.16E+00	5.78E+00	3.24E-01	1.60E+01
2626	490460.04	3858760.04	19.1627	7.56983	29.682	4.47052	3.13E+00	5.87E+00	5.76E+00	3.29E-01	1.51E+01	3.09E+00	2.54E-04	6.31E-02	9.62E-03	3.16E+00	3.75E+00	5.87E+00	5.76E+00	3.29E-01	1.57E+01
2627	490510.04	3858760.04	18.942	7.17915	29.633	4.57643	3.10E+00	5.57E+00	5.75E+00	3.37E-01	1.48E+01	3.05E+00	2.41E-04	6.30E-02	9.85E-03	3.13E+00	3.71E+00	5.57E+00	5.75E+00	3.37E-01	1.54E+01
2628	490560.04	3858760.04	18.7749	6.91209	29.822	4.65912	3.07E+00	5.36E+00	5.78E+00	3.43E-01	1.46E+01	3.03E+00	2.32E-04	6.34E-02	1.00E-02	3.10E+00	3.67E+00	5.36E+00	5.78E+00	3.43E-01	1.52E+01
2629	490610.04	3858760.04	18.7792	6.62098	30.199	4.77864	3.07E+00	5.14E+00	5.86E+00	3.52E-01	1.44E+01	3.03E+00	2.22E-04	6.42E-02	1.03E-02	3.10E+00	3.67E+00	5.14E+00	5.86E+00	3.52E-01	1.50E+01
2630	490660.04	3858760.04	18.8288	6.37785	30.455	4.85848	3.08E+00	4.95E+00	5.91E+00	3.58E-01	1.43E+01	3.03E+00	2.14E-04	6.48E-02	1.05E-02	3.11E+00	3.68E+00	4.95E+00	5.91E+00	3.58E-01	1.49E+01
2631	490710.04	3858760.04	18.862	6.132	30.6	4.94388	3.09E+00	4.76E+00	5.93E+00	3.64E-01	1.41E+01	3.04E+00	2.06E-04	6.51E-02	1.06E-02	3.12E+00	3.69E+00	4.76E+00	5.93E+00	3.64E-01	1.47E+01
2632	490760.04	3858760.04	18.8129	5.89066	30.669	5.11016	3.08E+00	4.57E+00	5.95E+00	3.76E-01	1.40E+01	3.03E+00	1.98E-04	6.52E-02	1.10E-02	3.11E+00	3.68E+00	4.57E+00	5.95E+00	3.76E-01	1.46E+01
2633	490810.04	3858760.04	18.7053	5.6824	30.819	5.2382	3.06E+00	4.41E+00	5.98E+00	3.86E-01	1.38E+01	3.01E+00	1.91E-04	6.55E-02	1.13E-02	3.09E+00	3.66E+00	4.41E+00	5.98E+00	3.86E-01	1.44E+01
2634	490860.04	3858760.04	18.6502	5.52074	30.852	5.36581	3.05E+00	4.28E+00	5.98E+00	3.95E-01	1.37E+01	3.01E+00	1.85E-04	6.56E-02	1.16E-02	3.08E+00	3.65E+00	4.28E+00	5.98E+00	3.95E-01	1.43E+01
2635	490360.04	3858810.04	19.3636	8.31023	28.45	4.53974	3.17E+00	6.45E+00	5.52E+00	3.34E-01	1.55E+01	3.12E+00	2.79E-04	6.05E-02	9.77E-03	3.19E+00	3.79E+00	6.45E+00	5.52E+00	3.34E-01	1.61E+01
2636	490410.04	3858810.04	19.3204	7.95721	28.413	4.5945	3.16E+00	6.17E+00	5.51E+00	3.38E-01	1.52E+01	3.11E+00	2.67E-04	6.04E-02	9.89E-03	3.18E+00	3.78E+00	6.17E+00	5.51E+00	3.38E-01	1.58E+01
2637	490460.04	3858810.04	19.2613	7.59109	28.252	4.65015	3.15E+00	5.89E+00	5.48E+00	3.42E-01	1.49E+01	3.10E+00	2.55E-04	6.01E-02	1.00E-02	3.17E+00	3.77E+00	5.89E+00	5.48E+00	3.42E-01	1.55E+01
2638	490510.04	3858810.04	19.1476	7.34171	28.266	4.7115	3.13E+00	5.69E+00	5.48E+00	3.47E-01	1.47E+01	3.09E+00	2.47E-04	6.01E-02	1.01E-02	3.16E+00	3.75E+00	5.70E+00	5.48E+00	3.47E-01	1.53E+01
2639	490560.04	3858810.04	18.8802	7.06336	28.143	4.79201	3.09E+00	5.48E+00	5.46E+00	3.53E-01	1.44E+01	3.04E+00	2.37E-04	5.98E-02	1.03E-02	3.11E+00	3.69E+00	5.48E+00	5.46E+00	3.53E-01	1.50E+01
2640	490610.04	3858810.04	18.7193	6.65691	28.051	4.91452	3.06E+00	5.16E+00	5.44E+00	3.62E-01	1.40E+01	3.02E+00	2.24E-04	5.96E-02	1.06E-02	3.09E+00	3.66E+00	5.16E+00	5.44E+00	3.62E-01	1.46E+01
2641	490660.04	3858810.04	18.6791	6.36948	28.246	5.02182	3.06E+00	4.94E+00	5.48E+00	3.70E-01	1.38E+01	3.01E+00	2.14E-04	6.01E-02	1.08E-02	3.08E+00	3.66E+00	4.94E+00	5.48E+00	3.70E-01	1.44E+01
2642	490710.04	3858810.04	18.6964	6.09212	28.601	5.16197	3.06E+00	4.73E+00	5.55E+00	3.80E-01	1.37E+01	3.01E+00	2.05E-04	6.08E-02	1.11E-02	3.08E+00	3.66E+00	4.73E+00	5.55E+00	3.80E-01	1.43E+01
2643	490760.04	3858810.04	18.7915	5.73651	29.051	5.38924	3.07E+00	4.45E+00	5.63E+00	3.97E-01	1.36E+01	3.03E+00	1.93E-04	6.18E-02	1.16E-02	3.10E+00	3.68E+00	4.45E+00	5.63E+00	3.97E-01	1.42E+01
2644	490810.04	3858810.04	18.7688	5.64474	29.32	5.4403	3.07E+00	4.38E+00	5.69E+00	4.01E-01	1.35E+01	3.02E+00	1.90E-04	6.23E-02	1.17E-02	3.10E+00	3.67E+00	4.38E+00	5.69E+00	4.01E-01	1.41E+01
2645	490860.04	3858810.04	18.7128	5.41229	29.538	5.66016	3.06E+00	4.20E+00	5.73E+00	4.17E-01	1.34E+01	3.02E+00	1.82E-04	6.28E-02	1.22E-02	3.09E+00	3.66E+00	4.20E+00	5.73E+00	4.17E-01	1.40E+01
2646	490360.04	3858860.04	19.1769	8.23594	27.01	4.71906	3.14E+00	6.39E+00	5.24E+00	3.47E-01	1.51E+01	3.09E+00	2.77E-04	5.74E-02	1.02E-02	3.16E+00	3.75E+00	6.39E+00	5.24E+00	3.47E-01	1.57E+01
2647	490410.04	3858860.04	19.2386	8.06156	27.034	4.73137	3.15E+00	6.25E+00	5.24E+00	3.48E-01	1.50E+01	3.10E+00	2.71E-04	5.75E-02	1.02E-02	3.17E+00	3.76E+00	6.25E+00	5.24E+00	3.48E-01	1.56E+01
2648	490460.04	3858860.04	19.217	7.60614	27.228	4.84311	3.14E+00	5.90E+00	5.28E+00	3.57E-01	1.47E+01	3.10E+00	2.56E-04	5.79E-02	1.04E-02	3.17E+00	3.76E+00	5.90E+00	5.28E+00	3.57E-01	1.53E+01
2649	490510.04	3858860.04	19.1468	7.45345	27.341	4.86125	3.13E+00	5.78E+00	5.30E+00	3.58E-01	1.46E+01	3.09E+00	2.50E-04	5.81E-02	1.05E-02	3.15E+00	3.75E+00	5.78E+00	5.30E+00	3.58E-01	1.52E+01
2650	490560.04	3858860.04	19.0332	7.07274	27.337	4.94446	3.11E+00	5.49E+00	5.30E+00	3.64E-01	1.43E+01	3.07E+00	2.38E-04	5.81E-02	1.06E-02	3.14E+00	3.72E+00	5.49E+00	5.30E+00	3.64E-01	1.49E+01
2651	490610.04	3858860.04	18.9451	6.55053	27.406	5.09237	3.10E+00	5.08E+00	5.31E+00	3.75E-01	1.39E+01	3.05E+00	2.20E-04	5.83E-02	1.10E-02	3.12E+00	3.71E+00	5.08E+00	5.31E+00	3.75E-01	1.45E+01
2652	490660.04	3858860.04	18.7424	6.30706	27.5	5.16601	3.07E+00	4.89E+00	5.33E+00	3.80E-01	1.37E+01	3.02E+00	2.12E-04	5.85E-02	1.11E-02	3.09E+00	3.67E+00	4.89E+00	5.33E+00	3.80E-01	1.43E+01
2653	490710.04	3858860.04	18.5691	6.14659	27.402	5.15638	3.04E+00	4.77E+00	5.31E+00	3.80E-01	1.35E+01	2.99E+00	2.06E-04	5.83E-02	1.11E-02	3.06E+00	3.63E+00	4.77E+00	5.31E+00	3.80E-01	1.41E+01
2654	490760.04	3858860.04	18.5773	5.78894	27.394	5.41884	3.04E+00	4.49E+00	5.31E+00	3.99E-01	1.32E+01	2.99E+00	1.94E-04	5.82E-02	1.17E-02	3.06E+00	3.64E+00	4.49E+00	5.31E+00	3.99E-01	1.38E+01
2655	490810.04	3858860.04	18.6081	5.50669	27.521	5.62625	3.04E+00	4.27E+00	5.34E+00	4.14E-01	1.31E+01	3.00E+00	1.85E-04	5.85E-02	1.21E-02	3.07E+00	3.64E+00	4.27E+00	5.34E+00	4.14E-01	1.37E+01
2656	490860.04	3858860.04	18.6713	5.23524	28.158	5.80447	3.05E+00	4.06E+00	5.46E+00	4.27E-01	1.30E+01	3.01E+00	1.76E-04	5.99E-02	1.25E-02	3.08E+00	3.65E+00	4.06E+00	5.46E+00	4.27E-01	1.36E+01
2657	490360.04	3858910.04	19.0079	8.52404	26.451	4.77837	3.11E+00	6.61E+00	5.13E+00	3.52E-01	1.52E+01	3.06E+00	2.86E-04	5.62E-02	1.03E-02	3.13E+00	3.72E+00	6.61E+00	5.13E+00	3.52E-01	1.58E+01
2658	490410.04	3858910.04	18.8668	8.18784	26.256	4.84522	3.09E+00	6.35E+00	5.09E+00	3.57E-01	1.49E+01	3.04E+00	2.75E-04	5.58E-02	1.04E-02	3.11E+00	3.69E+00	6.35E+00	5.09E+00	3.57E-01	1.55E+01
2659	490460.04	3858910.04	19.0262	7.80874	26.562	4.92989	3.11E+00	6.06E+00	5.15E+00	3.63E-01	1.47E+01	3.07E+00	2.62E-04	5.65E-02	1.06E-02	3.13E+00	3.72E+00	6.06E+00	5.15E+00	3.63E-01	1.53E+01
2660	490510.04	3858910.04	19.1052	7.38769	26.756	5.01222	3.12E+00	5.73E+00	5.19E+00	3.69E-01	1.44E+01	3.08E+00	2.48E-04	5.69E-02	1.08E-02	3.15E+00	3.74E+00	5.73E+00	5.19E+00	3.69E-01	1.50E+01
2661	490560.04	3858910.04	18.9682	6.92627	26.816	5.08534	3.10E+00	5.37E+00	5.20E+00	3.74E-01	1.40E+01	3.06E+00	2.33E-04	5.70E-02	1.09E-02	3.12E+00	3.71E+00	5.37E+00	5.20E+00	3.74E-01	1.47E+01
2662	490610.04	3858910.04	18.9786	6.54607	27.32	5.15753	3.10E+00	5.08E+00	5.30E+00	3.80E-01	1.39E+01	3.06E+00	2.20E-04	5.81E-02	1.11E-02	3.13E+00	3.71E+00	5.08E+00	5.30E+00	3.80E-01	1.45E+01
2663	490660.04	3858910.04	18.9142	6.2757	27.642	5.20169	3.09E+00	4.87E+00	5.36E+00	3.83E-01	1.37E+01	3.05E+00	2.11E-04	5.88E-02	1.12E-02	3.12E+00	3.70E+00	4.87E+00	5.36E+00	3.83E-01	1.43E+01
2664	490710.04	3858910.04	18.7843	5.94659	27.85	5.33678	3.07E+00	4.61E+00	5.40E+00	3.93E-01	1.35E+01	3.03E+00	2.00E-04	5.92E-02	1.15E-02	3.10E+00	3.68E+00	4.61E+00	5.40E+00	3.93E-01	1.41E+01
2665	490760.04	3858910.04	18.5936	5.54906	27.982	5.54806	3.04E+00	4.30E+00	5.43E+00	4.08E-01	1.32E+01	3.00E+00	1.86E-04	5.95E-02	1.19E-02	3.07E+00	3.64E+00	4.30E+00	5.43E+00	4.08E-01	1.38E+01
2666	490810.04	3858910.04	18.4583	5.32539	27.887	5.57309	3.02E+00	4.13E+00	5.41E+00	4.10E-01	1.30E+01	2.97E+00	1.79E-04	5.93E-02	1.20E-02	3.05E+00	3.61E+00	4.13E+00	5.41E+00	4.10E-01	1.36E+01
2667	490860.04	3858910.04	18.4726	5.04769	28.173	5.71337	3.02E+00	3.92E+00	5.46E+00	4.21E-01	1.28E+01	2.98E+00	1.70E-04	5.99E-02	1.23E-02	3.05E+00	3.61E+00	3.92E+00	5.46E+00	4.21E-01	1.34E+01
2668	490360.04	3858960.04	18.7774	8.46657	27.92	4.90411	3.07E+00	6.57E+00	5.41E+00	3.61E-01	1.54E+01	3.03E+00	2.84E-04	5.94E-02	1.06E-02	3.10E+00	3.67E+00	6.57E+00	5.41E+00	3.61E-01	1.60E+01
2669	490410.04	3858960.04	18.8422	8.03002	27.279	4.99439	3.08E+00	6.23E+00	5.29E+00	3.68E-01	1.50E+01	3.04E+00	2.70E-04	5.80E-02	1.08E-02	3.11E+00	3.69E+00	6.23E+00	5.29E+00	3.68E-01	1.56E+01
2670	490460.04	3858960.04	18.7685	7.54222	26.516	5.0807	3.07E+00	5.85E+00	5.14E+00	3.74E-01	1.44E+01	3.02E+00	2.53E-04	5.64E-02	1.09E-02	3.09E+00	3.67E+00	5.85E+00	5.14E+00	3.74E-01	1.50E+01
2671	490510.04	3858960.04	18.7307	7.12444	26.017	5.12249	3.06E+00	5.53E+00	5.04E+00	3.77E-01	1.40E+01	3.02E+00	2.39E-04	5.53E-02	1.10E-02	3.08E+00	3.67E+00	5.53E+00	5.04E+00	3.77E-01	1.46E+01
2672	490560.04	3858960.04	18.8409	6.77938	26.517	5.13639	3.08E+00	5.26E+00	5.14E+00	3.78E-01	1.39E+01	3.04E+00	2.28E-04	5.64E-02	1.11E-02	3.10E+00	3.69E+00	5.26E+00	5.14E+00	3.78E-01	1.45E+01
2673	490610.04	3858960.04	18.91	6.31549	27.012	5.20208	3.09E+00	4.90E+00	5.24E+00	3.83E-01	1.36E+01	3.05E+00	2.12E-04	5.74E-02	1.12E-02	3.12E+00	3.70E+00	4.90E+00	5.24E+00	3.83E-01	1.42E+01
2674	490660.04	3858960.04	18.8232	6.16114	27.104	5.10622	3.08E+00	4.78E+00	5.26E+00	3.76E-01	1.35E+01	3.03E+00	2.07E-04	5.76E-02	1.10E-02	3.10E+00	3.68E+00	4.78E+00	5.26E+00	3.76E-01	1.41E+01
2675	490710.04	3858960.04	18.8487	5.72802	27.815	5.26438	3.08E+00	4.44E+00	5.39E+00	3.88E-01	1.33E+01	3.04E+00	1.92E-04	5.91E-02	1.13E-02	3.11E+00	3.69E+00	4.44E+00	5.39E+00	3.88E-01	1.39E+01
2676	490760.04	3858960.04	18.7772	5.4125	28.276	5.33871	3.07E+00	4.20E+00	5.48E+00	3.93E-01	1.31E+01	3.03E+00	1.82E-04	6.01E-02	1.15E-02	3.10E+00	3.67E+00	4.20E+00	5.48E+00	3.93E-01	1.37E+01
2677	490810.04	3858960.04	18.621	5.12655	28.629	5.44506	3.05E+00	3.98E+00	5.55E+00	4.01E-01	1.30E+01	3.00E+00	1.72E-04	6.09E-02	1.17E-02	3.07E+00	3.64E+00	3.98E+00	5.55E+00	4.01E-01	1.36E+01
2678	490860.04	3858960.04	18.4064	4.84329	29.003	5.68079	3.01E+00	3.76E+00	5.62E+00	4.18E-01	1.28E+01	2.97E+00	1.63E-04	6.17E-02	1.22E-02	3.04E+00	3.60E+00	3.76E+00	5.62E+00	4.18E-01	1.34E+01
2679	490360.04	3859010.04	18.6313	8.28244	28.429	5.04354	3.05E+00	6.42E+00	5.51E+00	3.71E-01	1.54E+01	3.00E+00	2.78E-04	6.04E-02	1.09E-02	3.07E+00	3.65E+00	6.43E+00	5.51E+00	3.71E-01	1.60E+01
2680	490410.04	3859010.04	18.5638	7.76823	28.199	5.10986	3.04E+00	6.03E+00	5.47E+00	3.76E-01	1.49E+01	2.99E+00	2.61E-04	6.00E-02	1.10E-02	3.06E+00	3.63E+00	6.03E+00	5.47E+00	3.76E-01	1.55E+01

2681	490460.04	3859010.04	18.5974	7.12915	27.831	5.18283	3.04E+00	5.53E+00	5.40E+00	3.82E-01	1.44E+01	3.00E+00	2.39E-04	5.92E-02	1.12E-02	3.07E+00	3.64E+00	5.53E+00	5.40E+00	3.82E-01	1.49E+01
2682	490510.04	3859010.04	18.629	6.63788	27.332	5.2211	3.05E+00	5.15E+00	5.30E+00	3.84E-01	1.39E+01	3.00E+00	2.23E-04	5.81E-02	1.12E-02	3.07E+00	3.65E+00	5.15E+00	5.30E+00	3.84E-01	1.45E+01
2683	490560.04	3859010.04	18.4951	6.4293	26.643	5.15615	3.03E+00	4.99E+00	5.17E+00	3.80E-01	1.36E+01	2.98E+00	2.16E-04	5.66E-02	1.11E-02	3.05E+00	3.62E+00	4.99E+00	5.17E+00	3.80E-01	1.42E+01
2684	490610.04	3859010.04	18.6796	5.97951	26.491	5.16521	3.06E+00	4.64E+00	5.14E+00	3.80E-01	1.32E+01	3.01E+00	2.01E-04	5.63E-02	1.11E-02	3.08E+00	3.66E+00	4.64E+00	5.14E+00	3.80E-01	1.38E+01
2685	490660.04	3859010.04	18.7466	5.84375	26.567	5.0875	3.07E+00	4.53E+00	5.15E+00	3.75E-01	1.31E+01	3.02E+00	1.96E-04	5.65E-02	1.10E-02	3.09E+00	3.67E+00	4.53E+00	5.15E+00	3.75E-01	1.37E+01
2686	490710.04	3859010.04	18.7523	5.45349	27.438	5.20759	3.07E+00	4.23E+00	5.32E+00	3.83E-01	1.30E+01	3.02E+00	1.83E-04	5.83E-02	1.12E-02	3.09E+00	3.67E+00	4.23E+00	5.32E+00	3.83E-01	1.36E+01
2687	490760.04	3859010.04	18.7099	5.15311	28.141	5.37223	3.06E+00	4.00E+00	5.46E+00	3.96E-01	1.29E+01	3.01E+00	1.73E-04	5.98E-02	1.16E-02	3.09E+00	3.66E+00	4.00E+00	5.46E+00	3.96E-01	1.35E+01
2688	490810.04	3859010.04	18.6833	4.85643	28.768	5.53523	3.06E+00	3.77E+00	5.58E+00	4.08E-01	1.28E+01	3.01E+00	1.63E-04	6.12E-02	1.19E-02	3.08E+00	3.66E+00	3.77E+00	5.58E+00	4.08E-01	1.34E+01
2689	490860.04	3859010.04	18.5733	4.60963	29.419	5.64765	3.04E+00	3.58E+00	5.70E+00	4.16E-01	1.27E+01	2.99E+00	1.55E-04	6.26E-02	1.22E-02	3.07E+00	3.63E+00	3.58E+00	5.70E+00	4.16E-01	1.33E+01
2690	490360.04	3859060.04	18.4207	8.02595	28.306	5.15712	3.01E+00	6.23E+00	5.49E+00	3.80E-01	1.51E+01	2.97E+00	2.70E-04	6.02E-02	1.11E-02	3.04E+00	3.60E+00	6.23E+00	5.49E+00	3.80E-01	1.57E+01
2691	490410.04	3859060.04	18.4379	7.30468	28.255	5.22618	3.02E+00	5.67E+00	5.48E+00	3.85E-01	1.45E+01	2.97E+00	2.45E-04	6.01E-02	1.13E-02	3.04E+00	3.61E+00	5.67E+00	5.48E+00	3.85E-01	1.51E+01
2692	490460.04	3859060.04	18.3838	6.83987	28.234	5.23093	3.01E+00	5.31E+00	5.47E+00	3.85E-01	1.42E+01	2.96E+00	2.30E-04	6.00E-02	1.13E-02	3.03E+00	3.60E+00	5.31E+00	5.47E+00	3.85E-01	1.48E+01
2693	490510.04	3859060.04	18.4059	6.47246	28.122	5.20059	3.01E+00	5.02E+00	5.45E+00	3.83E-01	1.39E+01	2.97E+00	2.17E-04	5.98E-02	1.12E-02	3.04E+00	3.60E+00	5.02E+00	5.45E+00	3.83E-01	1.45E+01
2694	490560.04	3859060.04	18.4756	6.04108	27.879	5.18326	3.02E+00	4.69E+00	5.41E+00	3.82E-01	1.35E+01	2.98E+00	2.03E-04	5.93E-02	1.12E-02	3.05E+00	3.62E+00	4.69E+00	5.41E+00	3.82E-01	1.41E+01
2695	490610.04	3859060.04	18.3886	5.81496	27.417	5.14689	3.01E+00	4.51E+00	5.32E+00	3.79E-01	1.32E+01	2.96E+00	1.95E-04	5.83E-02	1.11E-02	3.03E+00	3.60E+00	4.51E+00	5.32E+00	3.79E-01	1.38E+01
2696	490660.04	3859060.04	18.3957	5.60944	27.172	5.15094	3.01E+00	4.35E+00	5.27E+00	3.79E-01	1.30E+01	2.96E+00	1.88E-04	5.78E-02	1.11E-02	3.03E+00	3.60E+00	4.35E+00	5.27E+00	3.79E-01	1.36E+01
2697	490710.04	3859060.04	18.55	5.23061	28.276	5.30173	3.03E+00	4.06E+00	5.48E+00	3.90E-01	1.30E+01	2.99E+00	1.76E-04	6.01E-02	1.14E-02	3.06E+00	3.63E+00	4.06E+00	5.48E+00	3.90E-01	1.36E+01
2698	490760.04	3859060.04	18.5937	4.91606	29.062	5.42357	3.04E+00	3.81E+00	5.64E+00	3.99E-01	1.29E+01	3.00E+00	1.65E-04	6.18E-02	1.17E-02	3.07E+00	3.64E+00	3.81E+00	5.64E+00	3.99E-01	1.35E+01
2699	490810.04	3859060.04	18.5377	4.65268	29.688	5.57557	3.03E+00	3.61E+00	5.76E+00	4.10E-01	1.28E+01	2.99E+00	1.56E-04	6.31E-02	1.20E-02	3.06E+00	3.63E+00	3.61E+00	5.76E+00	4.10E-01	1.34E+01
2700	490860.04	3859060.04	19.7796	4.45091	30.111	5.77856	3.24E+00	3.45E+00	5.84E+00	4.25E-01	1.30E+01	3.19E+00	1.50E-04	6.40E-02	1.24E-02	3.26E+00	3.87E+00	3.45E+00	5.84E+00	4.25E-01	1.36E+01
2701	490360.04	3859110.04	18.1432	8.25664	27.33	5.17454	2.97E+00	6.40E+00	5.30E+00	3.81E-01	1.51E+01	2.92E+00	2.77E-04	5.81E-02	1.11E-02	2.99E+00	3.55E+00	6.41E+00	5.30E+00	3.81E-01	1.56E+01
2702	490410.04	3859110.04	18.1089	7.47984	27.668	5.20154	2.96E+00	5.80E+00	5.37E+00	3.83E-01	1.45E+01	2.92E+00	2.51E-04	5.88E-02	1.12E-02	2.99E+00	3.54E+00	5.80E+00	5.37E+00	3.83E-01	1.51E+01
2703	490460.04	3859110.04	18.2208	7.08314	27.842	5.15311	2.98E+00	5.49E+00	5.40E+00	3.79E-01	1.43E+01	2.94E+00	2.38E-04	5.92E-02	1.11E-02	3.01E+00	3.57E+00	5.49E+00	5.40E+00	3.79E-01	1.48E+01
2704	490510.04	3859110.04	18.3032	6.33997	28.014	5.17705	2.99E+00	4.92E+00	5.43E+00	3.81E-01	1.37E+01	2.95E+00	2.13E-04	5.96E-02	1.11E-02	3.02E+00	3.58E+00	4.92E+00	5.43E+00	3.81E-01	1.43E+01
2705	490560.04	3859110.04	18.2331	5.99607	28.162	5.17151	2.98E+00	4.65E+00	5.46E+00	3.81E-01	1.35E+01	2.94E+00	2.01E-04	5.99E-02	1.11E-02	3.01E+00	3.57E+00	4.65E+00	5.46E+00	3.81E-01	1.41E+01
2706	490610.04	3859110.04	18.2744	5.62634	28.26	5.25798	2.99E+00	4.36E+00	5.48E+00	3.87E-01	1.32E+01	2.94E+00	1.89E-04	6.01E-02	1.13E-02	3.02E+00	3.58E+00	4.36E+00	5.48E+00	3.87E-01	1.38E+01
2707	490660.04	3859110.04	18.241	5.2194	28.703	5.4056	2.98E+00	4.05E+00	5.57E+00	3.98E-01	1.30E+01	2.94E+00	1.75E-04	6.10E-02	1.16E-02	3.01E+00	3.57E+00	4.05E+00	5.57E+00	3.98E-01	1.36E+01
2708	490710.04	3859110.04	18.1136	5.029	28.758	5.39977	2.96E+00	3.90E+00	5.58E+00	3.98E-01	1.28E+01	2.92E+00	1.69E-04	6.11E-02	1.16E-02	2.99E+00	3.54E+00	3.90E+00	5.58E+00	3.98E-01	1.34E+01
2709	490760.04	3859110.04	18.2515	4.80289	30.028	5.58368	2.99E+00	3.73E+00	5.82E+00	4.11E-01	1.29E+01	2.94E+00	1.61E-04	6.38E-02	1.20E-02	3.02E+00	3.57E+00	3.73E+00	5.82E+00	4.11E-01	1.35E+01
2710	490810.04	3859110.04	19.7592	4.54052	31.505	6.00175	3.23E+00	3.52E+00	6.11E+00	4.42E-01	1.33E+01	3.18E+00	1.53E-04	6.70E-02	1.29E-02	3.26E+00	3.87E+00	3.52E+00	6.11E+00	4.42E-01	1.39E+01
2711	490860.04	3859110.04	20.2302	4.29739	32.814	6.52431	3.31E+00	3.33E+00	6.36E+00	4.80E-01	1.35E+01	3.26E+00	1.44E-04	6.98E-02	1.40E-02	3.34E+00	3.96E+00	3.33E+00	6.36E+00	4.80E-01	1.41E+01
2712	490360.04	3859160.04	18.1081	8.58546	27.043	5.16488	2.96E+00	6.66E+00	5.24E+00	3.80E-01	1.52E+01	2.92E+00	2.88E-04	5.75E-02	1.11E-02	2.99E+00	3.54E+00	6.66E+00	5.24E+00	3.80E-01	1.58E+01
2713	490410.04	3859160.04	18.0368	7.79758	26.737	5.11528	2.95E+00	6.05E+00	5.18E+00	3.77E-01	1.46E+01	2.91E+00	2.62E-04	5.68E-02	1.10E-02	2.97E+00	3.53E+00	6.05E+00	5.18E+00	3.77E-01	1.51E+01
2714	490460.04	3859160.04	17.8357	7.234	26.829	5.06591	2.92E+00	5.61E+00	5.20E+00	3.73E-01	1.41E+01	2.87E+00	2.43E-04	5.70E-02	1.09E-02	2.94E+00	3.49E+00	5.61E+00	5.20E+00	3.73E-01	1.47E+01
2715	490510.04	3859160.04	18.0308	6.67531	27.223	5.08657	2.95E+00	5.18E+00	5.28E+00	3.74E-01	1.38E+01	2.91E+00	2.24E-04	5.79E-02	1.10E-02	2.97E+00	3.53E+00	5.18E+00	5.28E+00	3.74E-01	1.44E+01
2716	490560.04	3859160.04	18.1151	6.01313	27.496	5.16009	2.96E+00	4.66E+00	5.33E+00	3.80E-01	1.33E+01	2.92E+00	2.02E-04	5.85E-02	1.11E-02	2.99E+00	3.54E+00	4.66E+00	5.33E+00	3.80E-01	1.39E+01
2717	490610.04	3859160.04	18.0773	5.67711	27.844	5.18055	2.96E+00	4.40E+00	5.40E+00	3.81E-01	1.31E+01	2.91E+00	1.91E-04	5.92E-02	1.12E-02	2.98E+00	3.54E+00	4.40E+00	5.40E+00	3.81E-01	1.37E+01
2718	490660.04	3859160.04	18.0189	5.07318	28.828	5.66981	2.95E+00	3.94E+00	5.59E+00	4.17E-01	1.29E+01	2.90E+00	1.70E-04	6.13E-02	1.22E-02	2.98E+00	3.53E+00	3.94E+00	5.59E+00	4.17E-01	1.35E+01
2719	490710.04	3859160.04	18.0085	4.8916	29.325	5.97286	2.95E+00	3.79E+00	5.69E+00	4.40E-01	1.29E+01	2.90E+00	1.64E-04	6.24E-02	1.29E-02	2.98E+00	3.52E+00	3.79E+00	5.69E+00	4.40E-01	1.34E+01
2720	490760.04	3859160.04	19.5197	4.56814	30.325	6.56462	3.19E+00	3.54E+00	5.88E+00	4.83E-01	1.31E+01	3.15E+00	1.53E-04	6.45E-02	1.41E-02	3.22E+00	3.82E+00	3.54E+00	5.88E+00	4.83E-01	1.37E+01
2721	490810.04	3859160.04	19.7284	4.40162	31.602	6.83877	3.23E+00	3.41E+00	6.13E+00	5.03E-01	1.33E+01	3.18E+00	1.48E-04	6.72E-02	1.47E-02	3.26E+00	3.86E+00	3.41E+00	6.13E+00	5.03E-01	1.39E+01
2722	490860.04	3859160.04	20.0465	4.2212	33.594	7.15622	3.28E+00	3.27E+00	6.51E+00	5.27E-01	1.36E+01	3.23E+00	1.42E-04	7.14E-02	1.54E-02	3.32E+00	3.92E+00	3.27E+00	6.51E+00	5.27E-01	1.42E+01
2723	490360.04	3859210.04	18.0702	8.84287	26.802	5.11389	2.96E+00	6.86E+00	5.20E+00	3.77E-01	1.54E+01	2.91E+00	2.97E-04	5.70E-02	1.10E-02	2.98E+00	3.54E+00	6.86E+00	5.20E+00	3.77E-01	1.60E+01
2724	490410.04	3859210.04	17.9706	8.40864	26.637	5.00358	2.94E+00	6.52E+00	5.17E+00	3.68E-01	1.50E+01	2.90E+00	2.82E-04	5.66E-02	1.08E-02	2.96E+00	3.52E+00	6.52E+00	5.17E+00	3.68E-01	1.56E+01
2725	490460.04	3859210.04	17.861	7.286	26.295	5.0233	2.92E+00	5.65E+00	5.10E+00	3.70E-01	1.40E+01	2.88E+00	2.45E-04	5.59E-02	1.08E-02	2.94E+00	3.50E+00	5.65E+00	5.10E+00	3.70E-01	1.46E+01
2726	490510.04	3859210.04	17.7727	6.70284	26.187	5.07342	2.91E+00	5.20E+00	5.08E+00	3.74E-01	1.36E+01	2.86E+00	2.25E-04	5.57E-02	1.09E-02	2.93E+00	3.48E+00	5.20E+00	5.08E+00	3.74E-01	1.41E+01
2727	490560.04	3859210.04	17.7481	6.31012	26.394	5.11871	2.90E+00	4.89E+00	5.12E+00	3.77E-01	1.33E+01	2.86E+00	2.12E-04	5.61E-02	1.10E-02	2.93E+00	3.47E+00	4.90E+00	5.12E+00	3.77E-01	1.39E+01
2728	490610.04	3859210.04	17.8799	5.7509	26.829	5.25487	2.92E+00	4.46E+00	5.20E+00	3.87E-01	1.30E+01	2.88E+00	1.93E-04	5.70E-02	1.13E-02	2.95E+00	3.50E+00	4.46E+00	5.20E+00	3.87E-01	1.35E+01
2729	490660.04	3859210.04	17.9065	5.11647	27.374	5.85333	2.93E+00	3.97E+00	5.31E+00	4.31E-01	1.26E+01	2.89E+00	1.72E-04	5.82E-02	1.26E-02	2.96E+00	3.50E+00	3.97E+00	5.31E+00	4.31E-01	1.32E+01
2730	490710.04	3859210.04	17.8125	4.88281	28.22	6.11785	2.91E+00	3.79E+00	5.47E+00	4.50E-01	1.26E+01	2.87E+00	1.64E-04	6.00E-02	1.32E-02	2.94E+00	3.49E+00	3.79E+00	5.47E+00	4.50E-01	1.32E+01
2731	490760.04	3859210.04	19.3321	4.57292	29.482	6.76422	3.16E+00	3.55E+00	5.72E+00	4.98E-01	1.29E+01	3.12E+00	1.54E-04	6.27E-02	1.46E-02	3.19E+00	3.78E+00	3.55E+00	5.72E+00	4.98E-01	1.35E+01
2732	490810.04	3859210.04	19.384	4.51324	29.749	6.82813	3.17E+00	3.50E+00	5.77E+00	5.03E-01	1.29E+01	3.12E+00	1.52E-04	6.33E-02	1.47E-02	3.20E+00	3.79E+00	3.50E+00	5.77E+00	5.03E-01	1.36E+01
2733	490860.04	3859210.04	19.3597	4.43626	30.057	6.89516	3.17E+00	3.44E+00	5.83E+00	5.08E-01	1.29E+01	3.12E+00	1.49E-04	6.39E-02	1.48E-02	3.20E+00	3.79E+00	3.44E+00	5.83E+00	5.08E-01	1.36E+01
2734	490360.04	3859260.04	17.7954	8.97196	26.017	5.0411	2.91E+00	6.96E+00	5.04E+00	3.71E-01	1.53E+01	2.87E+00	3.01E-04	5.53E-02	1.09E-02	2.93E+00	3.48E+00	6.96E+00	5.04E+00	3.71E-01	1.59E+01
2735	490410.04	3859260.04	17.9029	8.40655	26.135	5.00151	2.93E+00	6.52E+00	5.07E+00	3.68E-01	1.49E+01	2.88E+00	2.82E-04	5.56E-02	1.08E-02	2.95E+00	3.50E+00	6.52E+00	5.07E+00	3.68E-01	1.55E+01
2736	490460.04	3859260.04	17.8618	7.98077	26.113	4.94496	2.92E+00	6.19E+00	5.06E+00	3.64E-01	1.45E+01	2.88E+00	2.68E-04	5.55E-02	1.06E-02	2.94E+00	3.50E+00	6.19E+00	5.06E+00	3.64E-01	1.51E+01
2737	490510.04	3859260.04	17.6764	7.46424	25.944	4.89771	2.89E+00	5.79E+00	5.03E+00	3.61E-01	1.41E+01	2.85E+00	2.51E-04	5.52E-02	1.05E-02	2.91E+00	3.46E+00	5.79E+00	5.03E+00	3.61E-01	1.46E+01
2738	490560.04	3859260.04	17.6081	6.89909	25.678	4.94857	2.88E+00	5.35E+00	4.98E+00	3.64E-01	1.36E+01	2.84E+00	2.32E-04	5.46E-02	1.07E-02	2.90E+00	3.45E+00	5.35E+00	4.98E+00	3.64E-01	1.41E+01
2739	490610.04	3859260.04	17.4752	6.06073	25.666	5.14449	2.86E+00	4.70E+00	4.98E+00	3.79E-01	1.29E+01	2.82E+00	2.04E-04	5.46E-02	1.11E-02	2.88E+00	3.42E+00	4.70E+00	4.98E+00	3.79E-01	1.35E+01
2740	490660.04	3859260.04	17.5893	5.92775	25.906	5.16718	2.88E+00	4.60E+00	5.02E+00	3.80E-01	1.29E+01	2.83E+00	1.99E-04	5.51E-02	1.11E-02	2.90E+00	3.44E+00	4.60E+00	5.02E+00	3.80E-01	1.34E+01
2741	490710.04	3859260.04	17.6674	5.47171	26.292	5.32075	2.89E+00	4.24E+00	5.10E+00	3.92E-01	1.26E+01	2.85E+00	1.84E-04	5.59E-02	1.15E-02	2.91E+00	3.46E+00	4.24E+00	5.10E+00	3.92E-01	1.32E+01

2742	490760.04	3859260.04	17.6265	4.94487	26.986	5.97143	2.88E+00	3.84E+00	5.23E+00	4.40E-01	1.24E+01	2.84E+00	1.66E-04	5.74E-02	1.29E-02	2.91E+00	3.45E+00	3.84E+00	5.23E+00	4.40E-01	1.30E+01
2743	490810.04	3859260.04	17.4691	4.85014	27.67	6.04253	2.86E+00	3.76E+00	5.37E+00	4.45E-01	1.24E+01	2.81E+00	1.63E-04	5.88E-02	1.30E-02	2.89E+00	3.42E+00	3.76E+00	5.37E+00	4.45E-01	1.30E+01
2744	490860.04	3859260.04	17.4735	4.74774	28.22	6.10001	2.86E+00	3.68E+00	5.47E+00	4.49E-01	1.25E+01	2.82E+00	1.59E-04	6.00E-02	1.31E-02	2.89E+00	3.42E+00	3.68E+00	5.47E+00	4.49E-01	1.30E+01
2745	490360.04	3859310.04	17.4862	9.57099	25.109	4.98947	2.86E+00	7.42E+00	4.87E+00	3.67E-01	1.55E+01	2.82E+00	3.22E-04	5.34E-02	1.07E-02	2.88E+00	3.42E+00	7.42E+00	4.87E+00	3.67E-01	1.61E+01
2746	490410.04	3859310.04	17.5619	8.97824	25.318	4.93237	2.87E+00	6.96E+00	4.91E+00	3.63E-01	1.51E+01	2.83E+00	3.02E-04	5.38E-02	1.06E-02	2.89E+00	3.44E+00	6.96E+00	4.91E+00	3.63E-01	1.57E+01
2747	490460.04	3859310.04	17.6519	8.46934	25.446	4.87514	2.89E+00	6.57E+00	4.93E+00	3.59E-01	1.47E+01	2.84E+00	2.84E-04	5.41E-02	1.05E-02	2.91E+00	3.45E+00	6.57E+00	4.93E+00	3.59E-01	1.53E+01
2748	490510.04	3859310.04	17.6891	8.11361	25.547	4.87536	2.89E+00	6.29E+00	4.95E+00	3.59E-01	1.45E+01	2.85E+00	2.73E-04	5.43E-02	1.05E-02	2.92E+00	3.46E+00	6.29E+00	4.95E+00	3.59E-01	1.51E+01
2749	490560.04	3859310.04	17.5263	7.69485	25.495	4.88227	2.87E+00	5.97E+00	4.94E+00	3.59E-01	1.41E+01	2.82E+00	2.58E-04	5.42E-02	1.05E-02	2.89E+00	3.43E+00	5.97E+00	4.94E+00	3.59E-01	1.47E+01
2750	490610.04	3859310.04	17.3807	7.36531	25.311	4.87356	2.84E+00	5.71E+00	4.91E+00	3.59E-01	1.38E+01	2.80E+00	2.47E-04	5.38E-02	1.05E-02	2.87E+00	3.40E+00	5.71E+00	4.91E+00	3.59E-01	1.44E+01
2751	490660.04	3859310.04	17.273	6.8812	25.169	4.88022	2.83E+00	5.34E+00	4.88E+00	3.59E-01	1.34E+01	2.78E+00	2.31E-04	5.35E-02	1.05E-02	2.85E+00	3.38E+00	5.34E+00	4.88E+00	3.59E-01	1.40E+01
2752	490710.04	3859310.04	17.2835	6.03028	25.132	5.00104	2.83E+00	4.68E+00	4.87E+00	3.68E-01	1.27E+01	2.78E+00	2.03E-04	5.34E-02	1.08E-02	2.85E+00	3.38E+00	4.68E+00	4.87E+00	3.68E-01	1.33E+01
2753	490760.04	3859310.04	17.4066	5.59461	25.409	5.11682	2.85E+00	4.34E+00	4.93E+00	3.77E-01	1.25E+01	2.80E+00	1.88E-04	5.40E-02	1.10E-02	2.87E+00	3.41E+00	4.34E+00	4.93E+00	3.77E-01	1.30E+01
2754	490810.04	3859310.04	17.4243	5.37875	25.832	5.1549	2.85E+00	4.17E+00	5.01E+00	3.80E-01	1.24E+01	2.81E+00	1.81E-04	5.49E-02	1.11E-02	2.87E+00	3.41E+00	4.17E+00	5.01E+00	3.80E-01	1.30E+01
2755	490860.04	3859310.04	17.3103	5.01487	26.341	5.46029	2.83E+00	3.89E+00	5.11E+00	4.02E-01	1.22E+01	2.79E+00	1.68E-04	5.60E-02	1.18E-02	2.86E+00	3.39E+00	3.89E+00	5.11E+00	4.02E-01	1.28E+01
2756	490360.04	3859360.04	17.5848	10.1558	24.317	4.97145	2.88E+00	7.88E+00	4.72E+00	3.66E-01	1.58E+01	2.83E+00	3.41E-04	5.17E-02	1.07E-02	2.90E+00	3.44E+00	7.88E+00	4.72E+00	3.66E-01	1.64E+01
2757	490410.04	3859360.04	17.3621	9.76027	24.373	4.95082	2.84E+00	7.57E+00	4.73E+00	3.64E-01	1.55E+01	2.80E+00	3.28E-04	5.18E-02	1.07E-02	2.86E+00	3.40E+00	7.57E+00	4.73E+00	3.64E-01	1.61E+01
2758	490460.04	3859360.04	17.2611	9.40461	24.632	4.92739	2.82E+00	7.30E+00	4.78E+00	3.63E-01	1.53E+01	2.78E+00	3.16E-04	5.24E-02	1.06E-02	2.84E+00	3.38E+00	7.30E+00	4.78E+00	3.63E-01	1.58E+01
2759	490510.04	3859360.04	17.3224	9.02802	24.812	4.90097	2.83E+00	7.00E+00	4.81E+00	3.61E-01	1.50E+01	2.79E+00	3.03E-04	5.28E-02	1.06E-02	2.85E+00	3.39E+00	7.00E+00	4.81E+00	3.61E-01	1.56E+01
2760	490560.04	3859360.04	17.4631	8.45827	24.935	4.86778	2.86E+00	6.56E+00	4.84E+00	3.58E-01	1.46E+01	2.81E+00	2.84E-04	5.30E-02	1.05E-02	2.88E+00	3.42E+00	6.56E+00	4.84E+00	3.58E-01	1.52E+01
2761	490610.04	3859360.04	17.3864	7.92125	24.976	4.83351	2.84E+00	6.14E+00	4.84E+00	3.56E-01	1.42E+01	2.80E+00	2.66E-04	5.31E-02	1.04E-02	2.87E+00	3.40E+00	6.14E+00	4.84E+00	3.56E-01	1.47E+01
2762	490660.04	3859360.04	17.2209	7.49506	24.896	4.79976	2.82E+00	5.81E+00	4.83E+00	3.53E-01	1.38E+01	2.77E+00	2.52E-04	5.29E-02	1.03E-02	2.84E+00	3.37E+00	5.81E+00	4.83E+00	3.53E-01	1.44E+01
2763	490710.04	3859360.04	17.1331	6.82914	24.688	4.75903	2.80E+00	5.30E+00	4.79E+00	3.50E-01	1.32E+01	2.76E+00	2.29E-04	5.25E-02	1.02E-02	2.82E+00	3.35E+00	5.30E+00	4.79E+00	3.50E-01	1.38E+01
2764	490760.04	3859360.04	16.9795	6.18944	24.656	4.80428	2.78E+00	4.80E+00	4.78E+00	3.54E-01	1.27E+01	2.74E+00	2.08E-04	5.24E-02	1.03E-02	2.80E+00	3.32E+00	4.80E+00	4.78E+00	3.54E-01	1.33E+01
2765	490810.04	3859360.04	17.1069	6.09401	24.606	4.81297	2.80E+00	4.73E+00	4.77E+00	3.54E-01	1.27E+01	2.76E+00	2.05E-04	5.23E-02	1.04E-02	2.82E+00	3.35E+00	4.73E+00	4.77E+00	3.54E-01	1.32E+01
2766	490860.04	3859360.04	17.1877	5.73674	24.846	5.01474	2.81E+00	4.45E+00	4.82E+00	3.69E-01	1.24E+01	2.77E+00	1.93E-04	5.28E-02	1.08E-02	2.83E+00	3.36E+00	4.45E+00	4.82E+00	3.69E-01	1.30E+01
2767	490360.04	3859410.04	17.4856	10.6907	24.157	5.04616	2.86E+00	8.29E+00	4.68E+00	3.72E-01	1.62E+01	2.82E+00	3.59E-04	5.14E-02	1.09E-02	2.88E+00	3.42E+00	8.29E+00	4.68E+00	3.72E-01	1.68E+01
2768	490410.04	3859410.04	17.3649	10.3485	23.869	5.02586	2.84E+00	8.03E+00	4.63E+00	3.70E-01	1.59E+01	2.80E+00	3.48E-04	5.07E-02	1.08E-02	2.86E+00	3.40E+00	8.03E+00	4.63E+00	3.70E-01	1.64E+01
2769	490460.04	3859410.04	17.2042	9.9934	23.849	4.99805	2.81E+00	7.75E+00	4.62E+00	3.68E-01	1.56E+01	2.77E+00	3.36E-04	5.07E-02	1.08E-02	2.83E+00	3.37E+00	7.75E+00	4.62E+00	3.68E-01	1.61E+01
2770	490510.04	3859410.04	16.9828	9.61379	23.975	4.96633	2.78E+00	7.46E+00	4.65E+00	3.66E-01	1.52E+01	2.74E+00	3.23E-04	5.10E-02	1.07E-02	2.80E+00	3.32E+00	7.46E+00	4.65E+00	3.66E-01	1.58E+01
2771	490560.04	3859410.04	17.0962	9.24341	24.16	4.93278	2.80E+00	7.17E+00	4.68E+00	3.63E-01	1.50E+01	2.75E+00	3.11E-04	5.14E-02	1.06E-02	2.82E+00	3.35E+00	7.17E+00	4.68E+00	3.63E-01	1.56E+01
2772	490610.04	3859410.04	17.1798	8.85368	24.298	4.89708	2.81E+00	6.87E+00	4.71E+00	3.61E-01	1.47E+01	2.77E+00	2.97E-04	5.17E-02	1.05E-02	2.83E+00	3.36E+00	6.87E+00	4.71E+00	3.61E-01	1.53E+01
2773	490660.04	3859410.04	17.1945	8.13943	24.409	4.85432	2.81E+00	6.31E+00	4.73E+00	3.57E-01	1.42E+01	2.77E+00	2.73E-04	5.19E-02	1.05E-02	2.83E+00	3.36E+00	6.31E+00	4.73E+00	3.57E-01	1.48E+01
2774	490710.04	3859410.04	17.0554	7.59629	24.416	4.81261	2.79E+00	5.89E+00	4.73E+00	3.54E-01	1.38E+01	2.75E+00	2.55E-04	5.19E-02	1.04E-02	2.81E+00	3.34E+00	5.89E+00	4.73E+00	3.54E-01	1.43E+01
2775	490760.04	3859410.04	16.9628	6.83762	24.303	4.76504	2.77E+00	5.30E+00	4.71E+00	3.51E-01	1.31E+01	2.73E+00	2.30E-04	5.17E-02	1.03E-02	2.80E+00	3.32E+00	5.30E+00	4.71E+00	3.51E-01	1.37E+01
2776	490810.04	3859410.04	16.7876	6.72707	24.095	4.75927	2.75E+00	5.22E+00	4.67E+00	3.50E-01	1.30E+01	2.71E+00	2.26E-04	5.12E-02	1.02E-02	2.77E+00	3.28E+00	5.22E+00	4.67E+00	3.50E-01	1.35E+01
2777	490860.04	3859410.04	16.7872	6.68594	24.156	4.7433	2.75E+00	5.19E+00	4.68E+00	3.49E-01	1.30E+01	2.70E+00	2.25E-04	5.14E-02	1.02E-02	2.77E+00	3.28E+00	5.19E+00	4.68E+00	3.49E-01	1.35E+01
2778	490360.04	3859460.04	17.2128	11.0491	24.506	5.09124	2.82E+00	8.57E+00	4.75E+00	3.75E-01	1.65E+01	2.77E+00	3.71E-04	5.21E-02	1.10E-02	2.84E+00	3.37E+00	8.57E+00	4.75E+00	3.75E-01	1.71E+01
2779	490410.04	3859460.04	17.2799	10.7017	23.868	5.06851	2.83E+00	8.30E+00	4.63E+00	3.73E-01	1.61E+01	2.78E+00	3.59E-04	5.07E-02	1.09E-02	2.85E+00	3.38E+00	8.30E+00	4.63E+00	3.73E-01	1.67E+01
2780	490460.04	3859460.04	17.2172	10.399	23.573	5.0396	2.82E+00	8.07E+00	4.57E+00	3.71E-01	1.58E+01	2.77E+00	3.49E-04	5.01E-02	1.08E-02	2.84E+00	3.37E+00	8.07E+00	4.57E+00	3.71E-01	1.64E+01
2781	490510.04	3859460.04	17.0074	10.0689	23.402	5.00471	2.78E+00	7.81E+00	4.54E+00	3.68E-01	1.55E+01	2.74E+00	3.38E-04	4.98E-02	1.08E-02	2.80E+00	3.33E+00	7.81E+00	4.54E+00	3.68E-01	1.60E+01
2782	490560.04	3859460.04	16.7954	9.74984	23.439	4.96822	2.75E+00	7.56E+00	4.55E+00	3.66E-01	1.52E+01	2.71E+00	3.28E-04	4.98E-02	1.07E-02	2.77E+00	3.29E+00	7.56E+00	4.55E+00	3.66E-01	1.58E+01
2783	490610.04	3859460.04	16.8469	9.3396	23.549	4.92747	2.76E+00	7.24E+00	4.57E+00	3.63E-01	1.49E+01	2.71E+00	3.14E-04	5.01E-02	1.06E-02	2.78E+00	3.30E+00	7.25E+00	4.57E+00	3.63E-01	1.55E+01
2784	490660.04	3859460.04	16.9179	8.876	23.648	4.88434	2.77E+00	6.89E+00	4.59E+00	3.60E-01	1.46E+01	2.73E+00	2.98E-04	5.03E-02	1.05E-02	2.79E+00	3.31E+00	6.89E+00	4.59E+00	3.60E-01	1.51E+01
2785	490710.04	3859460.04	16.9777	8.48565	23.806	4.84414	2.78E+00	6.58E+00	4.62E+00	3.57E-01	1.43E+01	2.74E+00	2.85E-04	5.06E-02	1.04E-02	2.80E+00	3.32E+00	6.58E+00	4.62E+00	3.57E-01	1.49E+01
2786	490760.04	3859460.04	16.9031	8.05472	23.894	4.79818	2.76E+00	6.25E+00	4.63E+00	3.53E-01	1.40E+01	2.72E+00	2.71E-04	5.08E-02	1.03E-02	2.79E+00	3.31E+00	6.25E+00	4.63E+00	3.53E-01	1.45E+01
2787	490810.04	3859460.04	16.7455	7.6098	23.876	4.7527	2.74E+00	5.90E+00	4.63E+00	3.50E-01	1.36E+01	2.70E+00	2.56E-04	5.08E-02	1.02E-02	2.76E+00	3.28E+00	5.90E+00	4.63E+00	3.50E-01	1.42E+01
2788	490860.04	3859460.04	16.576	7.44294	23.766	4.7129	2.71E+00	5.77E+00	4.61E+00	3.47E-01	1.34E+01	2.67E+00	2.50E-04	5.05E-02	1.01E-02	2.73E+00	3.24E+00	5.77E+00	4.61E+00	3.47E-01	1.40E+01
2789	490360.04	3859510.04	16.8481	11.2027	24.573	5.10546	2.76E+00	8.69E+00	4.76E+00	3.76E-01	1.66E+01	2.71E+00	3.76E-04	5.22E-02	1.10E-02	2.78E+00	3.30E+00	8.69E+00	4.76E+00	3.76E-01	1.71E+01
2790	490410.04	3859510.04	17.0423	10.957	24.254	5.08172	2.79E+00	8.50E+00	4.70E+00	3.74E-01	1.64E+01	2.75E+00	3.68E-04	5.16E-02	1.09E-02	2.81E+00	3.33E+00	8.50E+00	4.70E+00	3.74E-01	1.69E+01
2791	490460.04	3859510.04	17.0623	10.6676	23.778	5.05223	2.79E+00	8.27E+00	4.61E+00	3.72E-01	1.60E+01	2.75E+00	3.58E-04	5.06E-02	1.09E-02	2.81E+00	3.34E+00	8.28E+00	4.61E+00	3.72E-01	1.66E+01
2792	490510.04	3859510.04	17.0353	10.3883	23.229	5.01597	2.79E+00	8.06E+00	4.50E+00	3.69E-01	1.57E+01	2.74E+00	3.49E-04	4.94E-02	1.08E-02	2.81E+00	3.33E+00	8.06E+00	4.50E+00	3.69E-01	1.63E+01
2793	490560.04	3859510.04	16.8434	10.0945	23.033	4.97593	2.75E+00	7.83E+00	4.47E+00	3.66E-01	1.54E+01	2.71E+00	3.39E-04	4.90E-02	1.07E-02	2.77E+00	3.30E+00	7.83E+00	4.47E+00	3.66E-01	1.60E+01
2794	490610.04	3859510.04	16.6664	9.74891	22.975	4.93263	2.73E+00	7.56E+00	4.45E+00	3.63E-01	1.51E+01	2.69E+00	3.27E-04	4.88E-02	1.06E-02	2.75E+00	3.26E+00	7.56E+00	4.45E+00	3.63E-01	1.56E+01
2795	490660.04	3859510.04	16.5783	9.38982	23.054	4.88832	2.71E+00	7.28E+00	4.47E+00	3.60E-01	1.48E+01	2.67E+00	3.15E-04	4.90E-02	1.05E-02	2.73E+00	3.24E+00	7.28E+00	4.47E+00	3.60E-01	1.54E+01
2796	490710.04	3859510.04	16.6351	9.00024	23.121	4.84259	2.72E+00	6.98E+00	4.48E+00	3.57E-01	1.45E+01	2.68E+00	3.02E-04	4.92E-02	1.04E-02	2.74E+00	3.26E+00	6.98E+00	4.48E+00	3.57E-01	1.51E+01
2797	490760.04	3859510.04	16.7578	8.63097	23.167	4.79692	2.74E+00	6.70E+00	4.49E+00	3.53E-01	1.43E+01	2.70E+00	2.90E-04	4.93E-02	1.03E-02	2.76E+00	3.28E+00	6.70E+00	4.49E+00	3.53E-01	1.48E+01
2798	490810.04	3859510.04	16.7067	8.35102	23.334	4.75295	2.73E+00	6.48E+00	4.52E+00	3.50E-01	1.41E+01	2.69E+00	2.81E-04	4.96E-02	1.02E-02	2.75E+00	3.27E+00	6.48E+00	4.52E+00	3.50E-01	1.46E+01
2799	490860.04	3859510.04	16.5807	8.00686	23.401	4.70651	2.71E+00	6.21E+00	4.54E+00	3.47E-01	1.38E+01	2.67E+00	2.69E-04	4.98E-02	1.01E-02	2.73E+00	3.24E+00	6.21E+00	4.54E+00	3.47E-01	1.43E+01
2800	490360.04	3859560.04	16.4428	11.3932	24.345	5.08816	2.69E+00	8.84E+00	4.72E+00	3.75E-01	1.66E+01	2.65E+00	3.83E-04	5.18E-02	1.10E-02	2.71E+00	3.22E+00	8.84E+00	4.72E+00	3.75E-01	1.72E+01
2801	490410.04	3859560.04	16.5549	11.1598	24.163	5.06145	2.71E+00	8.66E+00	4.69E+00	3.73E-01	1.64E+01	2.67E+00	3.75E-04	5.14E-02	1.09E-02	2.73E+00	3.24E+00	8.66E+00	4.69E+00	3.73E-01	1.70E+01
2802	490460.04	3859560.04	16.7876	10.9086	23.928	5.0314	2.75E+00	8.46E+00	4.64E+00	3.70E-01	1.62E+01	2.71E+00	3.66E-04	5.09E-02	1.08E-02	2.77E+00	3.29E+00	8.46E+00	4.64E+00	3.70E-01	1.68E+01

2803	490510.04	3859560.04	16.8423	10.6023	23.598	4.99446	2.75E+00	8.22E+00	4.58E+00	3.68E-01	1.59E+01	2.71E+00	3.56E-04	5.02E-02	1.08E-02	2.78E+00	3.30E+00	8.22E+00	4.58E+00	3.68E-01	1.65E+01
2804	490560.04	3859560.04	16.8522	10.3574	23.065	4.95468	2.76E+00	8.03E+00	4.47E+00	3.65E-01	1.56E+01	2.72E+00	3.48E-04	4.90E-02	1.07E-02	2.78E+00	3.30E+00	8.03E+00	4.47E+00	3.65E-01	1.62E+01
2805	490610.04	3859560.04	16.6891	10.0493	22.724	4.9098	2.73E+00	7.80E+00	4.41E+00	3.61E-01	1.53E+01	2.69E+00	3.38E-04	4.83E-02	1.06E-02	2.75E+00	3.27E+00	7.80E+00	4.41E+00	3.61E-01	1.58E+01
2806	490660.04	3859560.04	16.5035	9.75779	22.535	4.86438	2.70E+00	7.57E+00	4.37E+00	3.58E-01	1.50E+01	2.66E+00	3.28E-04	4.79E-02	1.05E-02	2.72E+00	3.23E+00	7.57E+00	4.37E+00	3.58E-01	1.55E+01
2807	490710.04	3859560.04	16.3359	9.42679	22.535	4.81684	2.67E+00	7.31E+00	4.37E+00	3.55E-01	1.47E+01	2.63E+00	3.17E-04	4.79E-02	1.04E-02	2.69E+00	3.20E+00	7.31E+00	4.37E+00	3.55E-01	1.52E+01
2808	490760.04	3859560.04	16.4205	9.01364	22.662	4.7665	2.69E+00	6.99E+00	4.39E+00	3.51E-01	1.44E+01	2.65E+00	3.03E-04	4.82E-02	1.03E-02	2.70E+00	3.21E+00	6.99E+00	4.39E+00	3.51E-01	1.50E+01
2809	490810.04	3859560.04	16.5196	8.68371	22.699	4.71901	2.70E+00	6.74E+00	4.40E+00	3.47E-01	1.42E+01	2.66E+00	2.92E-04	4.83E-02	1.02E-02	2.72E+00	3.23E+00	6.74E+00	4.40E+00	3.47E-01	1.47E+01
2810	490860.04	3859560.04	16.5322	8.33103	22.699	4.67053	2.70E+00	6.46E+00	4.40E+00	3.44E-01	1.39E+01	2.66E+00	2.80E-04	4.83E-02	1.01E-02	2.72E+00	3.24E+00	6.46E+00	4.40E+00	3.44E-01	1.44E+01
2811	490187.25	3859422.08	16.9946	11.8873	25.642	5.11922	2.78E+00	9.22E+00	4.97E+00	3.77E-01	1.73E+01	2.74E+00	3.99E-04	5.45E-02	1.10E-02	2.80E+00	3.33E+00	9.22E+00	4.97E+00	3.77E-01	1.79E+01
2812	490237.25	3859422.08	17.1584	11.5842	25.419	5.08654	2.81E+00	8.99E+00	4.93E+00	3.74E-01	1.71E+01	2.76E+00	3.89E-04	5.40E-02	1.10E-02	2.83E+00	3.36E+00	8.99E+00	4.93E+00	3.74E-01	1.76E+01
2813	490287.25	3859422.08	17.3182	11.2785	25.025	5.07877	2.83E+00	8.75E+00	4.85E+00	3.74E-01	1.68E+01	2.79E+00	3.79E-04	5.32E-02	1.09E-02	2.86E+00	3.39E+00	8.75E+00	4.85E+00	3.74E-01	1.74E+01
2814	490337.25	3859422.08	17.4188	10.9205	24.419	5.06622	2.85E+00	8.47E+00	4.73E+00	3.73E-01	1.64E+01	2.81E+00	3.67E-04	5.19E-02	1.09E-02	2.87E+00	3.41E+00	8.47E+00	4.73E+00	3.73E-01	1.70E+01
2815	490187.25	3859472.08	16.5044	12.0084	25.423	5.16489	2.70E+00	9.31E+00	4.93E+00	3.80E-01	1.73E+01	2.66E+00	4.03E-04	5.41E-02	1.11E-02	2.72E+00	3.23E+00	9.32E+00	4.93E+00	3.80E-01	1.79E+01
2816	490237.25	3859472.08	16.7594	11.7604	25.214	5.13893	2.74E+00	9.12E+00	4.89E+00	3.78E-01	1.71E+01	2.70E+00	3.95E-04	5.36E-02	1.11E-02	2.77E+00	3.28E+00	9.12E+00	4.89E+00	3.78E-01	1.77E+01
2817	490287.25	3859472.08	16.8718	11.4593	25.086	5.12096	2.76E+00	8.89E+00	4.86E+00	3.77E-01	1.69E+01	2.72E+00	3.85E-04	5.33E-02	1.10E-02	2.78E+00	3.30E+00	8.89E+00	4.86E+00	3.77E-01	1.74E+01
2818	490337.25	3859472.08	17.139	11.2168	24.757	5.10562	2.80E+00	8.70E+00	4.80E+00	3.76E-01	1.67E+01	2.76E+00	3.77E-04	5.26E-02	1.10E-02	2.83E+00	3.35E+00	8.70E+00	4.80E+00	3.76E-01	1.72E+01
2819	490297.07	3859500.42	16.7192	11.4773	24.905	5.12909	2.73E+00	8.90E+00	4.83E+00	3.78E-01	1.68E+01	2.69E+00	3.86E-04	5.30E-02	1.10E-02	2.76E+00	3.27E+00	8.90E+00	4.83E+00	3.78E-01	1.74E+01
2820	490327.07	3859500.42	16.7571	11.37	24.735	5.11923	2.74E+00	8.82E+00	4.80E+00	3.77E-01	1.67E+01	2.70E+00	3.82E-04	5.26E-02	1.10E-02	2.76E+00	3.28E+00	8.82E+00	4.80E+00	3.77E-01	1.73E+01
2821	490297.07	3859530.42	16.4694	11.5919	24.707	5.13059	2.69E+00	8.99E+00	4.79E+00	3.78E-01	1.69E+01	2.65E+00	3.89E-04	5.25E-02	1.10E-02	2.72E+00	3.22E+00	8.99E+00	4.79E+00	3.78E-01	1.74E+01
2822	490327.07	3859530.42	16.5703	11.4373	24.587	5.1178	2.71E+00	8.87E+00	4.77E+00	3.77E-01	1.67E+01	2.67E+00	3.84E-04	5.23E-02	1.10E-02	2.73E+00	3.24E+00	8.87E+00	4.77E+00	3.77E-01	1.73E+01
2823	490319.73	3859055.34	18.3162	8.6126	28.329	5.07511	3.00E+00	6.68E+00	5.49E+00	3.74E-01	1.55E+01	2.95E+00	2.89E-04	6.02E-02	1.09E-02	3.02E+00	3.58E+00	6.68E+00	5.49E+00	3.74E-01	1.61E+01
2824	490319.73	3859105.34	18.2069	8.78677	27.367	5.15407	2.98E+00	6.82E+00	5.31E+00	3.79E-01	1.55E+01	2.93E+00	2.95E-04	5.82E-02	1.11E-02	3.00E+00	3.56E+00	6.82E+00	5.31E+00	3.79E-01	1.61E+01
2825	490069.73	3859155.34	18.3725	10.9609	26.997	5.18194	3.01E+00	8.50E+00	5.23E+00	3.82E-01	1.71E+01	2.96E+00	3.68E-04	5.74E-02	1.12E-02	3.03E+00	3.60E+00	8.50E+00	5.23E+00	3.82E-01	1.77E+01
2826	490119.73	3859155.34	18.2141	10.6994	27.398	5.21387	2.98E+00	8.30E+00	5.31E+00	3.84E-01	1.70E+01	2.93E+00	3.59E-04	5.83E-02	1.12E-02	3.00E+00	3.56E+00	8.30E+00	5.31E+00	3.84E-01	1.76E+01
2827	490269.73	3859155.34	18.2373	9.80196	27.622	5.20829	2.98E+00	7.60E+00	5.36E+00	3.83E-01	1.63E+01	2.94E+00	3.29E-04	5.87E-02	1.12E-02	3.01E+00	3.57E+00	7.60E+00	5.36E+00	3.83E-01	1.69E+01
2828	490319.73	3859155.34	18.1809	9.16784	27.357	5.19156	2.97E+00	7.11E+00	5.30E+00	3.82E-01	1.58E+01	2.93E+00	3.08E-04	5.82E-02	1.12E-02	3.00E+00	3.56E+00	7.11E+00	5.30E+00	3.82E-01	1.64E+01
2829	490069.73	3859205.34	18.2718	11.4014	26.192	5.30377	2.99E+00	8.84E+00	5.08E+00	3.90E-01	1.73E+01	2.94E+00	3.83E-04	5.57E-02	1.14E-02	3.01E+00	3.58E+00	8.84E+00	5.08E+00	3.90E-01	1.79E+01
2830	490119.73	3859205.34	18.1411	11.2676	26.27	5.30222	2.97E+00	8.74E+00	5.09E+00	3.90E-01	1.72E+01	2.92E+00	3.78E-04	5.59E-02	1.14E-02	2.99E+00	3.55E+00	8.74E+00	5.09E+00	3.90E-01	1.78E+01
2831	490169.73	3859205.34	18.0224	10.9648	26.616	5.29325	2.95E+00	8.51E+00	5.16E+00	3.90E-01	1.70E+01	2.90E+00	3.68E-04	5.66E-02	1.14E-02	2.97E+00	3.53E+00	8.51E+00	5.16E+00	3.90E-01	1.76E+01
2832	490219.73	3859205.34	17.8584	10.4665	26.818	5.27953	2.92E+00	8.12E+00	5.20E+00	3.89E-01	1.66E+01	2.88E+00	3.52E-04	5.70E-02	1.14E-02	2.95E+00	3.49E+00	8.12E+00	5.20E+00	3.89E-01	1.72E+01
2833	490269.73	3859205.34	17.9778	9.76482	26.815	5.25745	2.94E+00	7.57E+00	5.20E+00	3.87E-01	1.61E+01	2.90E+00	3.28E-04	5.70E-02	1.13E-02	2.97E+00	3.52E+00	7.57E+00	5.20E+00	3.87E-01	1.67E+01
2834	490319.73	3859205.34	18.0347	9.32557	26.911	5.18538	2.95E+00	7.23E+00	5.22E+00	3.82E-01	1.58E+01	2.91E+00	3.13E-04	5.72E-02	1.12E-02	2.97E+00	3.53E+00	7.23E+00	5.22E+00	3.82E-01	1.64E+01
2835	490069.73	3859255.34	17.9714	11.5883	26.277	5.40981	2.94E+00	8.99E+00	5.10E+00	3.98E-01	1.74E+01	2.90E+00	3.89E-04	5.59E-02	1.16E-02	2.96E+00	3.52E+00	8.99E+00	5.10E+00	3.98E-01	1.80E+01
2836	490119.73	3859255.34	18.0519	11.4112	25.819	5.38059	2.95E+00	8.85E+00	5.01E+00	3.96E-01	1.72E+01	2.91E+00	3.83E-04	5.49E-02	1.16E-02	2.98E+00	3.53E+00	8.85E+00	5.01E+00	3.96E-01	1.78E+01
2837	490169.73	3859255.34	18.0126	11.1298	25.599	5.33686	2.95E+00	8.63E+00	4.96E+00	3.93E-01	1.69E+01	2.90E+00	3.74E-04	5.44E-02	1.15E-02	2.97E+00	3.52E+00	8.63E+00	4.96E+00	3.93E-01	1.75E+01
2838	490219.73	3859255.34	17.9328	10.6631	25.553	5.28271	2.93E+00	8.27E+00	4.95E+00	3.89E-01	1.65E+01	2.89E+00	3.58E-04	5.43E-02	1.14E-02	2.96E+00	3.51E+00	8.27E+00	4.95E+00	3.89E-01	1.71E+01
2839	490269.73	3859255.34	17.8065	10.1113	25.891	5.2104	2.91E+00	7.84E+00	5.02E+00	3.84E-01	1.62E+01	2.87E+00	3.40E-04	5.50E-02	1.12E-02	2.94E+00	3.48E+00	7.84E+00	5.02E+00	3.84E-01	1.67E+01
2840	490319.73	3859255.34	17.718	9.66964	26.095	5.10669	2.90E+00	7.50E+00	5.06E+00	3.76E-01	1.58E+01	2.85E+00	3.25E-04	5.55E-02	1.10E-02	2.92E+00	3.47E+00	7.50E+00	5.06E+00	3.76E-01	1.64E+01
2841	490069.73	3859305.34	17.5605	11.8356	26.612	5.46732	2.87E+00	9.18E+00	5.16E+00	4.03E-01	1.76E+01	2.83E+00	3.98E-04	5.66E-02	1.18E-02	2.90E+00	3.44E+00	9.18E+00	5.16E+00	4.03E-01	1.82E+01
2842	490119.73	3859305.34	17.7828	11.6861	26.065	5.3996	2.91E+00	9.06E+00	5.05E+00	3.98E-01	1.74E+01	2.87E+00	3.93E-04	5.54E-02	1.16E-02	2.93E+00	3.48E+00	9.07E+00	5.05E+00	3.98E-01	1.80E+01
2843	490169.73	3859305.34	17.8295	11.425	25.45	5.31455	2.92E+00	8.86E+00	4.93E+00	3.91E-01	1.71E+01	2.87E+00	3.84E-04	5.41E-02	1.14E-02	2.94E+00	3.49E+00	8.86E+00	4.93E+00	3.91E-01	1.77E+01
2844	490219.73	3859305.34	17.8731	11.0386	25.132	5.21623	2.92E+00	8.56E+00	4.87E+00	3.84E-01	1.67E+01	2.88E+00	3.71E-04	5.34E-02	1.12E-02	2.94E+00	3.50E+00	8.56E+00	4.87E+00	3.84E-01	1.73E+01
2845	490269.73	3859305.34	17.782	10.611	24.95	5.10119	2.91E+00	8.23E+00	4.84E+00	3.76E-01	1.64E+01	2.87E+00	3.56E-04	5.30E-02	1.10E-02	2.93E+00	3.48E+00	8.23E+00	4.84E+00	3.76E-01	1.69E+01
2846	490319.73	3859305.34	17.6636	10.0442	24.971	5.02981	2.89E+00	7.79E+00	4.84E+00	3.70E-01	1.59E+01	2.85E+00	3.37E-04	5.31E-02	1.08E-02	2.91E+00	3.46E+00	7.79E+00	4.84E+00	3.70E-01	1.65E+01
2847	490069.73	3859355.34	17.1327	12.1695	26.489	5.45031	2.80E+00	9.44E+00	5.14E+00	4.01E-01	1.78E+01	2.76E+00	4.09E-04	5.63E-02	1.17E-02	2.83E+00	3.35E+00	9.44E+00	5.14E+00	4.01E-01	1.83E+01
2848	490119.73	3859355.34	17.2815	11.9734	26.145	5.34292	2.83E+00	9.29E+00	5.07E+00	3.93E-01	1.76E+01	2.78E+00	4.02E-04	5.56E-02	1.15E-02	2.85E+00	3.38E+00	9.29E+00	5.07E+00	3.93E-01	1.81E+01
2849	490169.73	3859355.34	17.5032	11.6896	25.777	5.22051	2.86E+00	9.07E+00	5.00E+00	3.84E-01	1.73E+01	2.82E+00	3.93E-04	5.48E-02	1.12E-02	2.89E+00	3.43E+00	9.07E+00	5.00E+00	3.84E-01	1.79E+01
2850	490219.73	3859355.34	17.615	11.3294	25.304	5.09704	2.88E+00	8.79E+00	4.91E+00	3.75E-01	1.70E+01	2.84E+00	3.81E-04	5.38E-02	1.10E-02	2.90E+00	3.45E+00	8.79E+00	4.91E+00	3.75E-01	1.75E+01
2851	490269.73	3859355.34	17.689	10.9896	24.751	5.04686	2.89E+00	8.52E+00	4.80E+00	3.72E-01	1.66E+01	2.85E+00	3.69E-04	5.26E-02	1.09E-02	2.91E+00	3.46E+00	8.53E+00	4.80E+00	3.72E-01	1.72E+01
2852	490319.73	3859355.34	17.6596	10.538	24.435	4.98772	2.89E+00	8.17E+00	4.74E+00	3.67E-01	1.62E+01	2.85E+00	3.54E-04	5.20E-02	1.07E-02	2.91E+00	3.46E+00	8.17E+00	4.74E+00	3.67E-01	1.67E+01
2853	490069.73	3859405.34	16.7419	12.4282	26.197	5.35992	2.74E+00	9.64E+00	5.08E+00	3.95E-01	1.79E+01	2.70E+00	4.17E-04	5.57E-02	1.15E-02	2.77E+00	3.28E+00	9.64E+00	5.08E+00	3.95E-01	1.84E+01
2854	490119.73	3859405.34	16.8484	12.2074	25.965	5.21623	2.76E+00	9.47E+00	5.03E+00	3.84E-01	1.76E+01	2.71E+00	4.10E-04	5.52E-02	1.12E-02	2.78E+00	3.30E+00	9.47E+00	5.03E+00	3.84E-01	1.82E+01
2855	490169.73	3859405.34	17.0658	11.9243	25.775	5.14784	2.79E+00	9.25E+00	5.00E+00	3.79E-01	1.74E+01	2.75E+00	4.01E-04	5.48E-02	1.11E-02	2.82E+00	3.34E+00	9.25E+00	5.00E+00	3.79E-01	1.80E+01
2856	490219.73	3859405.34	17.2409	11.6285	25.515	5.0863	2.82E+00	9.02E+00	4.95E+00	3.74E-01	1.72E+01	2.78E+00	3.91E-04	5.42E-02	1.09E-02	2.84E+00	3.37E+00	9.02E+00	4.95E+00	3.74E-01	1.77E+01
2857	490269.73	3859405.34	17.3987	11.2724	25.114	5.06051	2.85E+00	8.74E+00	4.87E+00	3.73E-01	1.68E+01	2.80E+00	3.79E-04	5.34E-02	1.09E-02	2.87E+00	3.40E+00	8.74E+00	4.87E+00	3.73E-01	1.74E+01
2858	490319.73	3859405.34	17.4975	10.8934	24.452	5.05081	2.86E+00	8.45E+00	4.74E+00	3.72E-01	1.64E+01	2.82E+00	3.66E-04	5.20E-02	1.09E-02	2.88E+00	3.42E+00	8.45E+00	4.74E+00	3.72E-01	1.70E+01
2859	490161.89	3859541.83	16.1887	12.2471	25.439	5.18476	2.65E+00	9.50E+00	4.93E+00	3.82E-01	1.75E+01	2.61E+00	4.11E-04	5.41E-02	1.12E-02	2.67E+00	3.17E+00	9.50E+00	4.93E+00	3.82E-01	1.80E+01
2860	490171.89	3859541.83	16.1613	12.199	25.415	5.17974	2.64E+00	9.46E+00	4.93E+00	3.81E-01	1.74E+01	2.60E+00	4.10E-04	5.40E-02	1.12E-02	2.67E+00	3.16E+00	9.46E+00	4.93E+00	3.81E-01	1.79E+01
2861	490161.89	3859551.83	16.181	12.2617	25.406	5.17764	2.65E+00	9.51E+00	4.93E+00	3.81E-01	1.75E+01	2.61E+00	4.12E-04	5.40E-02	1.11E-02	2.67E+00	3.17E+00	9.51E+00	4.93E+00	3.81E-01	1.80E+01
2862	490171.89	3859551.83	16.1624	12.2169	25.379	5.17256	2.64E+00	9.48E+00	4.92E+00	3.81E-01	1.74E+01	2.60E+00	4.10E-04	5.40E-02	1.11E-02	2.67E+00	3.16E+00	9.48E+00	4.92E+00	3.81E-01	1.79E+01
2863	489799.72	3859348.21	16.3968	13.4873	27.452	5.48551	2.68E+00	1.05E+01	5.32E+00	4.04E-01	1.89E+01	2.64E+00	4.53E-04	5.84E-02	1.18E-02	2.71E+00	3.21E+00	1.05E+01	5.32E+00	4.04E-01	1.94E+01

2864	489819.72	3859348.21	16.4999	13.3904	27.493	5.50497	2.70E+00	1.04E+01	5.33E+00	4.05E-01	1.88E+01	2.66E+00	4.50E-04	5.85E-02	1.19E-02	2.73E+00	3.23E+00	1.04E+01	5.33E+00	4.05E-01	1.94E+01
2865	489799.72	3859368.21	16.2879	13.5609	27.159	5.5336	2.66E+00	1.05E+01	5.27E+00	4.07E-01	1.89E+01	2.62E+00	4.56E-04	5.77E-02	1.19E-02	2.69E+00	3.19E+00	1.05E+01	5.27E+00	4.07E-01	1.94E+01
2866	489819.72	3859368.21	16.3619	13.4367	27.291	5.55432	2.68E+00	1.04E+01	5.29E+00	4.09E-01	1.88E+01	2.64E+00	4.51E-04	5.80E-02	1.20E-02	2.71E+00	3.20E+00	1.04E+01	5.29E+00	4.09E-01	1.93E+01
2867	489775.41	3859329.72	16.3819	13.5943	27.518	5.40441	2.68E+00	1.05E+01	5.34E+00	3.98E-01	1.90E+01	2.64E+00	4.57E-04	5.85E-02	1.16E-02	2.71E+00	3.21E+00	1.05E+01	5.34E+00	3.98E-01	1.95E+01
2868	489795.41	3859329.72	16.4913	13.4841	27.581	5.42726	2.70E+00	1.05E+01	5.35E+00	4.00E-01	1.89E+01	2.66E+00	4.53E-04	5.86E-02	1.17E-02	2.73E+00	3.23E+00	1.05E+01	5.35E+00	4.00E-01	1.94E+01
2869	489775.41	3859349.72	16.2915	13.6422	27.278	5.46062	2.66E+00	1.06E+01	5.29E+00	4.02E-01	1.89E+01	2.63E+00	4.58E-04	5.80E-02	1.18E-02	2.70E+00	3.19E+00	1.06E+01	5.29E+00	4.02E-01	1.95E+01
2870	489795.41	3859349.72	16.3604	13.514	27.418	5.48491	2.68E+00	1.05E+01	5.32E+00	4.04E-01	1.89E+01	2.64E+00	4.54E-04	5.83E-02	1.18E-02	2.71E+00	3.20E+00	1.05E+01	5.32E+00	4.04E-01	1.94E+01
2871	489595.05	3859219.43	15.9994	14.1541	27.811	5.15579	2.62E+00	1.10E+01	5.39E+00	3.80E-01	1.94E+01	2.58E+00	4.75E-04	5.91E-02	1.11E-02	2.65E+00	3.13E+00	1.10E+01	5.39E+00	3.80E-01	1.99E+01
2872	489615.05	3859219.43	16.1078	13.9655	28.047	5.06921	2.63E+00	1.08E+01	5.44E+00	3.73E-01	1.93E+01	2.60E+00	4.69E-04	5.96E-02	1.09E-02	2.67E+00	3.15E+00	1.08E+01	5.44E+00	3.73E-01	1.98E+01
2873	489595.05	3859239.43	15.9717	14.3262	27.52	5.11588	2.61E+00	1.11E+01	5.34E+00	3.77E-01	1.94E+01	2.57E+00	4.81E-04	5.85E-02	1.10E-02	2.64E+00	3.13E+00	1.11E+01	5.34E+00	3.77E-01	2.00E+01
2874	489615.05	3859239.43	16.052	14.1327	27.69	5.03386	2.63E+00	1.10E+01	5.37E+00	3.71E-01	1.93E+01	2.59E+00	4.75E-04	5.89E-02	1.08E-02	2.66E+00	3.14E+00	1.10E+01	5.37E+00	3.71E-01	1.98E+01
2875	489372.4	3859092.58	15.0913	15.1988	28.027	5.18702	2.47E+00	1.18E+01	5.43E+00	3.82E-01	2.01E+01	2.43E+00	5.11E-04	5.96E-02	1.12E-02	2.50E+00	2.95E+00	1.18E+01	5.43E+00	3.82E-01	2.06E+01
2876	489422.4	3859092.58	14.9805	14.7503	28.949	5.07869	2.45E+00	1.14E+01	5.61E+00	3.74E-01	1.99E+01	2.41E+00	4.95E-04	6.15E-02	1.09E-02	2.49E+00	2.93E+00	1.14E+01	5.61E+00	3.74E-01	2.04E+01
2877	489372.4	3859142.58	16.0599	15.5114	27.519	5.58395	2.63E+00	1.20E+01	5.34E+00	4.11E-01	2.04E+01	2.59E+00	5.21E-04	5.85E-02	1.20E-02	2.66E+00	3.14E+00	1.20E+01	5.34E+00	4.11E-01	2.09E+01
2878	489422.4	3859142.58	15.5641	15.0768	27.805	5.48531	2.55E+00	1.17E+01	5.39E+00	4.04E-01	2.00E+01	2.51E+00	5.06E-04	5.91E-02	1.18E-02	2.58E+00	3.05E+00	1.17E+01	5.39E+00	4.04E-01	2.05E+01
2879	488870.84	3858666.64	18.3493	15.0434	44.552	6.1073	3.00E+00	1.17E+01	8.64E+00	4.50E-01	2.38E+01	2.96E+00	5.05E-04	9.47E-02	1.31E-02	3.07E+00	3.59E+00	1.17E+01	8.64E+00	4.50E-01	2.43E+01
2880	488900.84	3858666.64	17.4411	14.7826	44.764	6.2068	2.85E+00	1.15E+01	8.68E+00	4.57E-01	2.35E+01	2.81E+00	4.97E-04	9.52E-02	1.34E-02	2.92E+00	3.41E+00	1.15E+01	8.68E+00	4.57E-01	2.40E+01
2881	488870.84	3858696.64	19.0677	15.3956	41.222	6.21719	3.12E+00	1.19E+01	7.99E+00	4.58E-01	2.35E+01	3.07E+00	5.17E-04	8.76E-02	1.34E-02	3.17E+00	3.73E+00	1.19E+01	7.99E+00	4.58E-01	2.41E+01
2882	488900.84	3858696.64	18.2826	15.2154	42.291	6.38756	2.99E+00	1.18E+01	8.20E+00	4.70E-01	2.35E+01	2.95E+00	5.11E-04	8.99E-02	1.38E-02	3.05E+00	3.58E+00	1.18E+01	8.20E+00	4.70E-01	2.41E+01
2883	488889.67	3858683.97	18.2621	15.0501	43.272	6.25073	2.99E+00	1.17E+01	8.39E+00	4.60E-01	2.35E+01	2.94E+00	5.06E-04	9.20E-02	1.35E-02	3.05E+00	3.57E+00	1.17E+01	8.39E+00	4.60E-01	2.41E+01
2884	488919.67	3858683.97	17.3209	14.9699	43.505	6.42992	2.83E+00	1.16E+01	8.44E+00	4.73E-01	2.34E+01	2.79E+00	5.03E-04	9.25E-02	1.38E-02	2.90E+00	3.39E+00	1.16E+01	8.44E+00	4.73E-01	2.39E+01
2885	488889.67	3858713.97	19.0066	15.5124	40.049	6.40328	3.11E+00	1.20E+01	7.77E+00	4.71E-01	2.34E+01	3.06E+00	5.21E-04	8.52E-02	1.38E-02	3.16E+00	3.72E+00	1.20E+01	7.77E+00	4.71E-01	2.40E+01
2886	488919.67	3858713.97	18.211	15.3602	41.109	6.61094	2.98E+00	1.19E+01	7.97E+00	4.87E-01	2.34E+01	2.93E+00	5.16E-04	8.74E-02	1.42E-02	3.04E+00	3.56E+00	1.19E+01	7.97E+00	4.87E-01	2.39E+01
2887	488906.61	3858703.33	18.3072	15.2932	41.783	6.4636	2.99E+00	1.19E+01	8.10E+00	4.76E-01	2.34E+01	2.95E+00	5.14E-04	8.88E-02	1.39E-02	3.05E+00	3.58E+00	1.19E+01	8.10E+00	4.76E-01	2.40E+01
2888	488936.61	3858703.33	17.3234	15.0894	42.221	6.66433	2.83E+00	1.17E+01	8.19E+00	4.91E-01	2.32E+01	2.79E+00	5.07E-04	8.98E-02	1.43E-02	2.90E+00	3.39E+00	1.17E+01	8.19E+00	4.91E-01	2.38E+01
2889	488906.61	3858733.33	19.0099	15.6226	38.649	6.61282	3.11E+00	1.21E+01	7.49E+00	4.87E-01	2.32E+01	3.06E+00	5.25E-04	8.22E-02	1.42E-02	3.16E+00	3.72E+00	1.21E+01	7.49E+00	4.87E-01	2.38E+01
2890	488936.61	3858733.33	18.2819	15.4645	39.774	6.79343	2.99E+00	1.20E+01	7.71E+00	5.00E-01	2.32E+01	2.95E+00	5.19E-04	8.46E-02	1.46E-02	3.05E+00	3.58E+00	1.20E+01	7.71E+00	5.00E-01	2.38E+01
2891	488637.63	3858467.85	19.9502	14.6186	72.435	5.88187	3.26E+00	1.13E+01	1.40E+01	4.33E-01	2.91E+01	3.21E+00	4.91E-04	1.54E-01	1.27E-02	3.38E+00	3.90E+00	1.13E+01	1.40E+01	4.33E-01	2.97E+01
2892	488662.63	3858467.85	19.4976	14.5867	70.693	5.91556	3.19E+00	1.13E+01	1.37E+01	4.36E-01	2.86E+01	3.14E+00	4.90E-04	1.50E-01	1.27E-02	3.31E+00	3.82E+00	1.13E+01	1.37E+01	4.36E-01	2.93E+01
2893	488637.63	3858492.85	19.9804	14.9125	65.888	6.05413	3.27E+00	1.16E+01	1.28E+01	4.46E-01	2.81E+01	3.22E+00	5.01E-04	1.40E-01	1.30E-02	3.37E+00	3.91E+00	1.16E+01	1.28E+01	4.46E-01	2.87E+01
2894	488662.63	3858492.85	19.7769	14.8359	66.191	6.10445	3.23E+00	1.15E+01	1.28E+01	4.49E-01	2.80E+01	3.19E+00	4.98E-04	1.41E-01	1.31E-02	3.34E+00	3.87E+00	1.15E+01	1.28E+01	4.49E-01	2.87E+01
2895	488687.63	3858492.85	19.373	14.7097	65.108	6.13088	3.17E+00	1.14E+01	1.26E+01	4.51E-01	2.77E+01	3.12E+00	4.94E-04	1.38E-01	1.32E-02	3.27E+00	3.79E+00	1.14E+01	1.26E+01	4.51E-01	2.83E+01
2896	488637.63	3858517.85	19.9006	15.269	58.245	6.41185	3.25E+00	1.18E+01	1.13E+01	4.72E-01	2.69E+01	3.21E+00	5.13E-04	1.24E-01	1.38E-02	3.34E+00	3.89E+00	1.18E+01	1.13E+01	4.72E-01	2.75E+01
2897	488662.63	3858517.85	19.822	15.1581	60.171	6.47883	3.24E+00	1.18E+01	1.17E+01	4.77E-01	2.71E+01	3.19E+00	5.09E-04	1.28E-01	1.39E-02	3.34E+00	3.88E+00	1.18E+01	1.17E+01	4.77E-01	2.78E+01
2898	488687.63	3858517.85	19.6041	15.0501	60.686	6.46182	3.21E+00	1.17E+01	1.18E+01	4.76E-01	2.71E+01	3.16E+00	5.06E-04	1.29E-01	1.39E-02	3.30E+00	3.84E+00	1.17E+01	1.18E+01	4.76E-01	2.78E+01
2899	488194.42	3857168.98	26.3694	6.4771	36.548	4.061	4.31E+00	5.02E+00	7.09E+00	2.99E-01	1.67E+01	4.25E+00	2.18E-04	7.77E-02	8.74E-03	4.34E+00	5.16E+00	5.02E+00	7.09E+00	2.99E-01	1.76E+01
2900	488244.42	3857168.98	25.6975	6.62406	36.382	4.04422	4.20E+00	5.14E+00	7.05E+00	2.98E-01	1.67E+01	4.14E+00	2.23E-04	7.74E-02	8.71E-03	4.23E+00	5.03E+00	5.14E+00	7.05E+00	2.98E-01	1.75E+01
2901	488294.42	3857168.98	25.1474	6.62172	32.999	4.07836	4.11E+00	5.14E+00	6.40E+00	3.00E-01	1.59E+01	4.05E+00	2.22E-04	7.02E-02	8.78E-03	4.13E+00	4.92E+00	5.14E+00	6.40E+00	3.00E-01	1.68E+01
2902	488244.42	3857218.98	26.3006	6.69456	37.398	4.18889	4.30E+00	5.19E+00	7.25E+00	3.08E-01	1.71E+01	4.24E+00	2.25E-04	7.95E-02	9.02E-03	4.33E+00	5.15E+00	5.19E+00	7.25E+00	3.08E-01	1.79E+01
2903	488294.42	3857218.98	25.7254	6.73026	32.989	4.22936	4.21E+00	5.22E+00	6.40E+00	3.11E-01	1.61E+01	4.15E+00	2.26E-04	7.01E-02	9.10E-03	4.22E+00	5.03E+00	5.22E+00	6.40E+00	3.11E-01	1.70E+01
2904	488294.42	3857268.98	26.2681	6.90414	32.601	4.36751	4.30E+00	5.36E+00	6.32E+00	3.22E-01	1.63E+01	4.23E+00	2.32E-04	6.93E-02	9.40E-03	4.31E+00	5.14E+00	5.36E+00	6.32E+00	3.22E-01	1.71E+01
2905	488139.13	3857111.68	26.4354	6.19319	30.25	4.2181	4.32E+00	4.80E+00	5.87E+00	3.11E-01	1.53E+01	4.26E+00	2.08E-04	6.43E-02	9.08E-03	4.33E+00	5.17E+00	4.80E+00	5.87E+00	3.11E-01	1.62E+01
2906	488189.13	3857111.68	25.7976	6.49329	34.162	4.14707	4.22E+00	5.04E+00	6.62E+00	3.05E-01	1.62E+01	4.16E+00	2.18E-04	7.26E-02	8.93E-03	4.24E+00	5.05E+00	5.04E+00	6.62E+00	3.05E-01	1.70E+01
2907	488189.13	3857161.68	26.3332	6.46122	36.05	4.08124	4.31E+00	5.01E+00	6.99E+00	3.00E-01	1.66E+01	4.24E+00	2.17E-04	7.66E-02	8.79E-03	4.33E+00	5.15E+00	5.01E+00	6.99E+00	3.00E-01	1.75E+01
2908	487951.04	3856961.26	27.2182	5.30333	35.061	5.25773	4.45E+00	4.11E+00	6.80E+00	3.87E-01	1.58E+01	4.39E+00	1.78E-04	7.45E-02	1.13E-02	4.47E+00	5.33E+00	4.11E+00	6.80E+00	3.87E-01	1.66E+01
2909	488001.04	3856961.26	26.6862	5.39153	28.453	5.1383	4.36E+00	4.18E+00	5.52E+00	3.78E-01	1.44E+01	4.30E+00	1.81E-04	6.05E-02	1.11E-02	4.37E+00	5.22E+00	4.18E+00	5.52E+00	3.78E-01	1.53E+01
2910	488051.04	3856961.26	26.2462	5.43886	24.845	5.06657	4.29E+00	4.22E+00	4.82E+00	3.73E-01	1.37E+01	4.23E+00	1.83E-04	5.28E-02	1.09E-02	4.29E+00	5.14E+00	4.22E+00	4.82E+00	3.73E-01	1.45E+01
2911	488101.04	3856961.26	25.6534	5.86944	23.558	4.86646	4.20E+00	4.55E+00	4.57E+00	3.58E-01	1.37E+01	4.13E+00	1.97E-04	5.01E-02	1.05E-02	4.19E+00	5.02E+00	4.55E+00	4.57E+00	3.58E-01	1.45E+01
2912	487951.04	3857011.26	27.6381	5.43599	36.689	4.795	4.52E+00	4.22E+00	7.11E+00	3.53E-01	1.62E+01	4.45E+00	1.83E-04	7.80E-02	1.03E-02	4.54E+00	5.41E+00	4.22E+00	7.11E+00	3.53E-01	1.71E+01
2913	488001.04	3857011.26	27.1704	5.43254	29.845	4.74138	4.44E+00	4.21E+00	5.79E+00	3.49E-01	1.48E+01	4.38E+00	1.82E-04	6.35E-02	1.02E-02	4.45E+00	5.32E+00	4.21E+00	5.79E+00	3.49E-01	1.57E+01
2914	488051.04	3857011.26	26.7021	5.50867	26.119	4.68177	4.37E+00	4.27E+00	5.06E+00	3.45E-01	1.40E+01	4.30E+00	1.85E-04	5.55E-02	1.01E-02	4.37E+00	5.23E+00	4.27E+00	5.06E+00	3.45E-01	1.49E+01
2915	488101.04	3857011.26	26.0792	5.93836	24.811	4.5353	4.27E+00	4.61E+00	4.81E+00	3.34E-01	1.40E+01	4.20E+00	1.99E-04	5.28E-02	9.76E-03	4.26E+00	5.10E+00	4.61E+00	4.81E+00	3.34E-01	1.49E+01
2916	488001.04	3857061.26	27.5955	5.52437	31.312	4.47688	4.51E+00	4.29E+00	6.07E+00	3.30E-01	1.52E+01	4.45E+00	1.86E-04	6.66E-02	9.64E-03	4.52E+00	5.40E+00	4.29E+00	6.07E+00	3.30E-01	1.61E+01
2917	488051.04	3857061.26	27.0305	5.72624	27.635	4.39533	4.42E+00	4.44E+00	5.36E+00	3.24E-01	1.45E+01	4.36E+00	1.92E-04	5.88E-02	9.46E-03	4.42E+00	5.29E+00	4.44E+00	5.36E+00	3.24E-01	1.54E+01
2918	488101.04	3857061.26	26.4572	6.03769	26.19	4.35378	4.33E+00	4.68E+00	5.08E+00	3.21E-01	1.44E+01	4.26E+00	2.03E-04	5.57E-02	9.37E-03	4.33E+00	5.18E+00	4.68E+00	5.08E+00	3.21E-01	1.53E+01
2919	487638.98	3856673.79	27.5583	4.54138	32.82	7.72998	4.51E+00	3.52E+00	6.36E+00	5.69E-01	1.50E+01	4.44E+00	1.53E-04	6.98E-02	1.66E-02	4.53E+00	5.39E+00	3.52E+00	6.36E+00	5.69E-01	1.58E+01
2920	487688.98	3856673.79	27.0652	4.58941	32.108	7.4084	4.43E+00	3.56E+00	6.23E+00	5.45E-01	1.48E+01	4.36E+00	1.54E-04	6.83E-02	1.59E-02	4.45E+00	5.30E+00	3.56E+00	6.23E+00	5.45E-01	1.56E+01
2921	487638.98	3856723.79	28.1295	4.64752	33.426	7.70414	4.60E+00	3.61E+00	6.48E+00	5.67E-01	1.53E+01	4.53E+00	1.56E-04	7.11E-02	1.66E-02	4.62E+00	5.50E+00	3.61E+00	6.48E+00	5.67E-01	1.62E+01
2922	487688.98	3856723.79	27.6047	4.69263	32.54	7.4302	4.52E+00	3.64E+00	6.31E+00	5.47E-01	1.50E+01	4.45E+00	1.58E-04	6.92E-02	1.60E-02	4.53E+00	5.40E+00	3.64E+00	6.31E+00	5.47E-01	1.59E+01
2923	486324.61	3855740.57	24.1737	2.78807	17.25	13.00469	3.95E+00	2.16E+00	3.34E+00	9.57E-01	1.04E+01	3.90E+00	9.37E-05	3.67E-02	2.80E-02	3.96E+00	4.73E+00	2.16E+00	3.34E+00	9.57E-01	1.12E+01
2924	486374.61	3855740.57	22.071	2.71325	17.337	13.03569	3.61E+00	2.10E+00	3.36E+00	9.60E-01	1.00E+01	3.56E+00	9.11E-05	3.69E-02	2.81E-02	3.62E+00	4.32E+00	2.10E+00	3.36E+00	9.60E-01	1.07E+01

2925	486424.61	3855740.57	21.1653	2.68615	17.056	12.90894	3.46E+00	2.08E+00	3.31E+00	9.50E-01	9.80E+00	3.41E+00	9.02E-05	3.63E-02	2.78E-02	3.47E+00	4.14E+00	2.08E+00	3.31E+00	9.50E-01	1.05E+01
2926	486324.61	3855790.57	25.3571	2.80907	18.298	12.98384	4.15E+00	2.18E+00	3.55E+00	9.56E-01	1.08E+01	4.09E+00	9.44E-05	3.89E-02	2.80E-02	4.15E+00	4.96E+00	2.18E+00	3.55E+00	9.56E-01	1.16E+01
2927	486374.61	3855790.57	23.3595	2.74475	18.093	13.14948	3.82E+00	2.13E+00	3.51E+00	9.68E-01	1.04E+01	3.76E+00	9.22E-05	3.85E-02	2.83E-02	3.83E+00	4.57E+00	2.13E+00	3.51E+00	9.68E-01	1.12E+01
2928	486424.61	3855790.57	22.9144	2.72869	17.042	12.9853	3.75E+00	2.12E+00	3.30E+00	9.56E-01	1.01E+01	3.69E+00	9.17E-05	3.62E-02	2.80E-02	3.76E+00	4.48E+00	2.12E+00	3.30E+00	9.56E-01	1.09E+01
2929	486324.61	3855840.57	26.3742	2.83142	19.314	13.44274	4.31E+00	2.20E+00	3.75E+00	9.90E-01	1.12E+01	4.25E+00	9.51E-05	4.11E-02	2.89E-02	4.32E+00	5.16E+00	2.20E+00	3.75E+00	9.90E-01	1.21E+01
2930	486374.61	3855840.57	25.6907	2.81742	18.287	13.40549	4.20E+00	2.19E+00	3.55E+00	9.87E-01	1.09E+01	4.14E+00	9.46E-05	3.89E-02	2.89E-02	4.21E+00	5.03E+00	2.19E+00	3.55E+00	9.87E-01	1.17E+01
2931	486424.61	3855840.57	24.6369	2.78423	17.432	13.44106	4.03E+00	2.16E+00	3.38E+00	9.90E-01	1.06E+01	3.97E+00	9.35E-05	3.71E-02	2.89E-02	4.04E+00	4.82E+00	2.16E+00	3.38E+00	9.90E-01	1.14E+01
2932	486324.61	3855890.57	28.3899	2.89379	18.947	14.07519	4.64E+00	2.24E+00	3.67E+00	1.04E+00	1.16E+01	4.57E+00	9.72E-05	4.03E-02	3.03E-02	4.65E+00	5.56E+00	2.24E+00	3.67E+00	1.04E+00	1.25E+01
2933	486374.61	3855890.57	27.5956	2.88201	18.673	13.93232	4.51E+00	2.24E+00	3.62E+00	1.03E+00	1.14E+01	4.45E+00	9.68E-05	3.97E-02	3.00E-02	4.52E+00	5.40E+00	2.24E+00	3.62E+00	1.03E+00	1.23E+01
2934	486424.61	3855890.57	26.466	2.84755	17.909	13.80468	4.33E+00	2.21E+00	3.47E+00	1.02E+00	1.10E+01	4.26E+00	9.57E-05	3.81E-02	2.97E-02	4.33E+00	5.18E+00	2.21E+00	3.47E+00	1.02E+00	1.19E+01
2935	488735.69	3858285.64	23.2304	12.7454	106.17	5.68539	3.80E+00	9.89E+00	2.06E+01	4.19E-01	3.47E+01	3.74E+00	4.28E-04	2.26E-01	1.22E-02	3.98E+00	4.55E+00	9.89E+00	2.06E+01	4.19E-01	3.54E+01
2936	488765.69	3858285.64	23.4668	12.666	102.48	5.72551	3.84E+00	9.83E+00	1.99E+01	4.22E-01	3.40E+01	3.78E+00	4.25E-04	2.18E-01	1.23E-02	4.01E+00	4.59E+00	9.83E+00	1.99E+01	4.22E-01	3.47E+01
2937	488735.69	3858315.64	22.6718	12.9497	101.48	5.8248	3.71E+00	1.00E+01	1.97E+01	4.29E-01	3.39E+01	3.65E+00	4.35E-04	2.16E-01	1.25E-02	3.88E+00	4.44E+00	1.00E+01	1.97E+01	4.29E-01	3.46E+01
2938	488765.69	3858315.64	22.9807	12.8322	100.55	5.87473	3.76E+00	9.95E+00	1.95E+01	4.33E-01	3.36E+01	3.70E+00	4.31E-04	2.14E-01	1.26E-02	3.93E+00	4.50E+00	9.95E+00	1.95E+01	4.33E-01	3.44E+01
2939	478676.63	3849871.93	11.2674	5.36256	5.129	2.66662	1.84E+00	4.16E+00	9.95E-01	1.96E-01	7.19E+00	1.82E+00	1.80E-04	1.09E-02	5.74E-03	1.83E+00	2.20E+00	4.16E+00	9.95E-01	1.96E-01	7.56E+00
2940	479326.63	3849871.93	16.8464	3.60734	4.8322	3.27525	2.76E+00	2.80E+00	9.37E-01	2.41E-01	6.73E+00	2.71E+00	1.21E-04	1.03E-02	7.05E-03	2.73E+00	3.30E+00	2.80E+00	9.37E-01	2.41E-01	7.27E+00
2941	479376.63	3849871.93	17.317	3.45887	4.7823	3.26632	2.83E+00	2.68E+00	9.27E-01	2.40E-01	6.68E+00	2.79E+00	1.16E-04	1.02E-02	7.03E-03	2.81E+00	3.39E+00	2.68E+00	9.27E-01	2.40E-01	7.24E+00
2942	479426.63	3849871.93	17.5203	3.34487	4.7292	3.25133	2.87E+00	2.59E+00	9.17E-01	2.39E-01	6.62E+00	2.82E+00	1.12E-04	1.01E-02	7.00E-03	2.84E+00	3.43E+00	2.59E+00	9.17E-01	2.39E-01	7.18E+00
2943	478726.63	3849921.93	11.2624	5.44628	5.1546	2.64541	1.84E+00	4.22E+00	1.00E+00	1.95E-01	7.26E+00	1.81E+00	1.83E-04	1.10E-02	5.69E-03	1.83E+00	2.20E+00	4.22E+00	1.00E+00	1.95E-01	7.62E+00
2944	478776.63	3849921.93	11.7679	5.33533	5.1573	2.70583	1.92E+00	4.14E+00	1.00E+00	1.99E-01	7.26E+00	1.90E+00	1.79E-04	1.10E-02	5.82E-03	1.91E+00	2.30E+00	4.14E+00	1.00E+00	1.99E-01	7.64E+00
2945	478826.63	3849921.93	12.3776	5.20009	5.1556	2.78673	2.02E+00	4.03E+00	1.00E+00	2.05E-01	7.26E+00	1.99E+00	1.75E-04	1.10E-02	6.00E-03	2.01E+00	2.42E+00	4.03E+00	1.00E+00	2.05E-01	7.66E+00
2946	478976.63	3849921.93	13.8502	4.79473	5.1253	2.99366	2.27E+00	3.72E+00	9.94E-01	2.20E-01	7.20E+00	2.23E+00	1.61E-04	1.09E-02	6.44E-03	2.25E+00	2.71E+00	3.72E+00	9.94E-01	2.20E-01	7.64E+00
2947	479026.63	3849921.93	14.1556	4.74033	5.1068	2.99066	2.32E+00	3.68E+00	9.90E-01	2.20E-01	7.20E+00	2.28E+00	1.59E-04	1.09E-02	6.44E-03	2.30E+00	2.77E+00	3.68E+00	9.90E-01	2.20E-01	7.66E+00
2948	479076.63	3849921.93	14.4954	4.64825	5.084	3.02141	2.37E+00	3.61E+00	9.86E-01	2.22E-01	7.18E+00	2.34E+00	1.56E-04	1.08E-02	6.50E-03	2.35E+00	2.84E+00	3.61E+00	9.86E-01	2.22E-01	7.65E+00
2949	479126.63	3849921.93	15.1293	4.54652	5.057	3.05722	2.47E+00	3.53E+00	9.81E-01	2.25E-01	7.21E+00	2.44E+00	1.53E-04	1.08E-02	6.58E-03	2.46E+00	2.96E+00	3.53E+00	9.81E-01	2.25E-01	7.69E+00
2950	479176.63	3849921.93	15.7312	4.46948	5.0261	3.06992	2.57E+00	3.47E+00	9.75E-01	2.26E-01	7.24E+00	2.53E+00	1.50E-04	1.07E-02	6.61E-03	2.55E+00	3.08E+00	3.47E+00	9.75E-01	2.26E-01	7.75E+00
2951	479226.63	3849921.93	16.2416	4.2241	4.9908	3.1526	2.66E+00	3.28E+00	9.68E-01	2.32E-01	7.13E+00	2.62E+00	1.42E-04	1.06E-02	6.79E-03	2.63E+00	3.18E+00	3.28E+00	9.68E-01	2.32E-01	7.65E+00
2952	479276.63	3849921.93	16.4726	3.90945	4.9514	3.27577	2.69E+00	3.03E+00	9.60E-01	2.41E-01	6.93E+00	2.65E+00	1.31E-04	1.05E-02	7.05E-03	2.67E+00	3.22E+00	3.03E+00	9.60E-01	2.41E-01	7.46E+00
2953	479326.63	3849921.93	16.2885	3.99591	4.9091	3.1671	2.66E+00	3.10E+00	9.52E-01	2.33E-01	6.95E+00	2.62E+00	1.34E-04	1.04E-02	6.82E-03	2.64E+00	3.19E+00	3.10E+00	9.52E-01	2.33E-01	7.47E+00
2954	479376.63	3849921.93	16.9289	3.65633	4.8622	3.25744	2.77E+00	2.84E+00	9.43E-01	2.40E-01	6.79E+00	2.73E+00	1.23E-04	1.03E-02	7.01E-03	2.75E+00	3.31E+00	2.84E+00	9.43E-01	2.40E-01	7.33E+00
2955	479426.63	3849921.93	17.3058	3.63732	4.8125	3.19649	2.83E+00	2.82E+00	9.33E-01	2.35E-01	6.82E+00	2.79E+00	1.22E-04	1.02E-02	6.88E-03	2.81E+00	3.39E+00	2.82E+00	9.33E-01	2.35E-01	7.38E+00
2956	478726.63	3849971.93	10.6674	5.62657	5.1728	2.56815	1.74E+00	4.36E+00	1.00E+00	1.89E-01	7.30E+00	1.72E+00	1.89E-04	1.10E-02	5.53E-03	1.74E+00	2.09E+00	4.36E+00	1.00E+00	1.89E-01	7.64E+00
2957	478776.63	3849971.93	11.2615	5.51346	5.1804	2.6315	1.84E+00	4.28E+00	1.00E+00	1.94E-01	7.32E+00	1.81E+00	1.85E-04	1.10E-02	5.66E-03	1.83E+00	2.20E+00	4.28E+00	1.00E+00	1.94E-01	7.68E+00
2958	478826.63	3849971.93	11.7815	5.38313	5.1837	2.70095	1.93E+00	4.18E+00	1.01E+00	1.99E-01	7.31E+00	1.90E+00	1.81E-04	1.10E-02	5.81E-03	1.92E+00	2.31E+00	4.18E+00	1.01E+00	1.99E-01	7.69E+00
2959	478976.63	3849971.93	13.2268	5.12269	5.1681	2.84859	2.16E+00	3.97E+00	1.00E+00	2.10E-01	7.35E+00	2.13E+00	1.72E-04	1.10E-02	6.13E-03	2.15E+00	2.59E+00	3.97E+00	1.00E+00	2.10E-01	7.77E+00
2960	479026.63	3849971.93	13.7635	4.96398	5.1542	2.91418	2.25E+00	3.85E+00	9.99E-01	2.15E-01	7.32E+00	2.22E+00	1.67E-04	1.10E-02	6.27E-03	2.24E+00	2.69E+00	3.85E+00	9.99E-01	2.15E-01	7.76E+00
2961	479076.63	3849971.93	14.2038	4.80002	5.136	2.96853	2.32E+00	3.72E+00	9.96E-01	2.19E-01	7.26E+00	2.29E+00	1.61E-04	1.09E-02	6.39E-03	2.31E+00	2.78E+00	3.72E+00	9.96E-01	2.19E-01	7.72E+00
2962	479126.63	3849971.93	14.5359	4.71134	5.1136	2.99686	2.38E+00	3.65E+00	9.92E-01	2.21E-01	7.24E+00	2.34E+00	1.58E-04	1.09E-02	6.45E-03	2.36E+00	2.84E+00	3.65E+00	9.92E-01	2.21E-01	7.71E+00
2963	479176.63	3849971.93	15.1075	4.6108	5.0869	3.01248	2.47E+00	3.58E+00	9.86E-01	2.22E-01	7.26E+00	2.43E+00	1.55E-04	1.08E-02	6.49E-03	2.45E+00	2.96E+00	3.58E+00	9.86E-01	2.22E-01	7.74E+00
2964	479226.63	3849971.93	16.1054	4.21309	5.0555	3.23142	2.63E+00	3.27E+00	9.80E-01	2.38E-01	7.12E+00	2.60E+00	1.42E-04	1.07E-02	6.96E-03	2.61E+00	3.15E+00	3.27E+00	9.80E-01	2.38E-01	7.64E+00
2965	479276.63	3849971.93	16.3221	4.30038	5.021	3.13379	2.67E+00	3.34E+00	9.74E-01	2.31E-01	7.21E+00	2.63E+00	1.44E-04	1.07E-02	6.75E-03	2.65E+00	3.19E+00	3.34E+00	9.74E-01	2.31E-01	7.73E+00
2966	479326.63	3849971.93	16.2438	4.2943	4.9825	3.05988	2.66E+00	3.33E+00	9.66E-01	2.25E-01	7.18E+00	2.62E+00	1.44E-04	1.06E-02	6.59E-03	2.63E+00	3.18E+00	3.33E+00	9.66E-01	2.25E-01	7.70E+00
2967	479376.63	3849971.93	16.4593	3.95598	4.9392	3.19137	2.69E+00	3.07E+00	9.58E-01	2.35E-01	6.95E+00	2.65E+00	1.33E-04	1.05E-02	6.87E-03	2.67E+00	3.22E+00	3.07E+00	9.58E-01	2.35E-01	7.48E+00
2968	479426.63	3849971.93	16.8673	3.8553	4.8928	3.16611	2.76E+00	2.99E+00	9.49E-01	2.33E-01	6.93E+00	2.72E+00	1.30E-04	1.04E-02	6.82E-03	2.74E+00	3.30E+00	2.99E+00	9.49E-01	2.33E-01	7.47E+00
2969	478726.63	3850021.93	9.98807	5.7976	5.1854	2.49321	1.63E+00	4.50E+00	1.01E+00	1.84E-01	7.32E+00	1.61E+00	1.95E-04	1.10E-02	5.37E-03	1.63E+00	1.95E+00	4.50E+00	1.01E+00	1.84E-01	7.64E+00
2970	478776.63	3850021.93	10.6604	5.68619	5.1979	2.56035	1.74E+00	4.41E+00	1.01E+00	1.89E-01	7.35E+00	1.72E+00	1.91E-04	1.11E-02	5.51E-03	1.73E+00	2.09E+00	4.41E+00	1.01E+00	1.89E-01	7.69E+00
2971	478826.63	3850021.93	11.2579	5.57864	5.2063	2.61814	1.84E+00	4.33E+00	1.01E+00	1.93E-01	7.37E+00	1.81E+00	1.87E-04	1.11E-02	5.64E-03	1.83E+00	2.20E+00	4.33E+00	1.01E+00	1.93E-01	7.73E+00
2972	478976.63	3850021.93	12.7907	5.30907	5.2056	2.7733	2.09E+00	4.12E+00	1.01E+00	2.04E-01	7.42E+00	2.06E+00	1.78E-04	1.11E-02	5.97E-03	2.08E+00	2.50E+00	4.12E+00	1.01E+00	2.04E-01	7.83E+00
2973	478726.63	3850071.93	9.55185	5.96708	5.1921	2.4244	1.56E+00	4.63E+00	1.01E+00	1.78E-01	7.38E+00	1.54E+00	2.00E-04	1.10E-02	5.22E-03	1.56E+00	1.87E+00	4.63E+00	1.01E+00	1.78E-01	7.68E+00
2974	478776.63	3850071.93	9.96104	5.87985	5.2098	2.47852	1.63E+00	4.56E+00	1.01E+00	1.82E-01	7.38E+00	1.61E+00	1.98E-04	1.11E-02	5.34E-03	1.62E+00	1.95E+00	4.56E+00	1.01E+00	1.82E-01	7.70E+00
2975	478826.63	3850071.93	10.6338	5.77434	5.2232	2.53935	1.74E+00	4.48E+00	1.01E+00	1.87E-01	7.42E+00	1.71E+00	1.94E-04	1.11E-02	5.47E-03	1.73E+00	2.08E+00	4.48E+00	1.01E+00	1.87E-01	7.76E+00
2976	478876.63	3850071.93	11.2308	5.67132	5.2324	2.59107	1.84E+00	4.40E+00	1.01E+00	1.91E-01	7.44E+00	1.81E+00	1.91E-04	1.11E-02	5.58E-03	1.83E+00	2.20E+00	4.40E+00	1.01E+00	1.91E-01	7.80E+00
2977	478976.63	3850071.93	12.263	5.50325	5.2377	2.68797	2.01E+00	4.27E+00	1.02E+00	1.98E-01	7.49E+00	1.98E+00	1.85E-04	1.11E-02	5.79E-03	1.99E+00	2.40E+00	4.27E+00	1.02E+00	1.98E-01	7.88E+00
2978	478726.63	3850121.93	9.46624	6.12528	5.193	2.37834	1.55E+00	4.75E+00	1.01E+00	1.75E-01	7.48E+00	1.53E+00	2.06E-04	1.10E-02	5.12E-03	1.54E+00	1.85E+00	4.75E+00	1.01E+00	1.75E-01	7.79E+00
2979	478776.63	3850121.93	9.54248	6.06432	5.2157	2.40753	1.56E+00	4.70E+00	1.01E+00	1.77E-01	7.45E+00	1.54E+00	2.04E-04	1.11E-02	5.18E-03	1.55E+00	1.87E+00	4.70E+00	1.01E+00	1.77E-01	7.76E+00
2980	478826.63	3850121.93	9.95628	5.96811	5.2343	2.46101	1.63E+00	4.63E+00	1.01E+00	1.81E-01	7.45E+00	1.60E+00	2.00E-04	1.11E-02	5.30E-03	1.62E+00	1.95E+00	4.63E+00	1.01E+00	1.81E-01	7.77E+00
2981	478876.63	3850121.93	10.6295	5.85467	5.2486	2.52152	1.74E+00	4.54E+00	1.02E+00	1.86E-01	7.48E+00	1.71E+00	1.97E-04	1.12E-02	5.43E-03	1.73E+00	2.08E+00	4.54E+00	1.02E+00	1.86E-01	7.83E+00
2982	478976.63	3850121.93	11.7133	5.68832	5.2643	2.60382	1.92E+00	4.41E+00	1.02E+00	1.92E-01	7.54E+00	1.89E+00	1.91E-04	1.12E-02	5.61E-03	1.90E+00	2.29E+00	4.41E+00	1.02E+00	1.92E-01	7.92E+00
2983	479026.63	3850121.93	12.2189	5.60467	5.2654	2.65385	2.00E+00	4.35E+00	1.02E+00	1.95E-01	7.56E+00	1.97E+00	1.88E-04	1.12E-02	5.71E-03	1.99E+00	2.39E+00	4.35E+00	1.02E+00	1.95E-01	7.96E+00
2984	479076.63	3850121.93	12.7237	5.48211	5.2621	2.7142	2.08E+00	4.25E+00	1.02E+00	2.00E-01	7.55E+00	2.05E+00	1.84E-04	1.12E-02	5.84E-03	2.07E+00	2.49E+00	4.25E+00	1.02E+00	2.00E-01	7.96E+00
2985	479126.63	3850121.93	13.1354	5.35704	5.2543	2.76492	2.15E+00	4.16E+00	1.02E+00	2.04E-01	7.53E+00	2.12E+00	1.80E-04	1.12E-02	5.95E-03	2.13E+00	2.57E+00	4.16E+00	1.02E+00	2.04E-01	7.95E+00

2986	478776.63	3850171.93	9.51879	6.22161	5.2157	2.36504	1.56E+00	4.83E+00	1.01E+00	1.74E-01	7.57E+00	1.53E+00	2.09E-04	1.11E-02	5.09E-03	1.55E+00	1.86E+00	4.83E+00	1.01E+00	1.74E-01	7.87E+00
2987	478826.63	3850171.93	9.569	6.13842	5.2394	2.39905	1.57E+00	4.76E+00	1.02E+00	1.77E-01	7.52E+00	1.54E+00	2.06E-04	1.11E-02	5.16E-03	1.56E+00	1.87E+00	4.76E+00	1.02E+00	1.77E-01	7.83E+00
2988	478876.63	3850171.93	9.95849	6.03881	5.2589	2.45044	1.63E+00	4.68E+00	1.02E+00	1.80E-01	7.51E+00	1.60E+00	2.03E-04	1.12E-02	5.28E-03	1.62E+00	1.95E+00	4.68E+00	1.02E+00	1.80E-01	7.83E+00
2989	478976.63	3850171.93	11.1576	5.8839	5.285	2.52265	1.82E+00	4.56E+00	1.02E+00	1.86E-01	7.60E+00	1.80E+00	1.98E-04	1.12E-02	5.43E-03	1.81E+00	2.18E+00	4.56E+00	1.02E+00	1.86E-01	7.96E+00
2990	479026.63	3850171.93	11.6768	5.81429	5.2914	2.56126	1.91E+00	4.51E+00	1.03E+00	1.89E-01	7.63E+00	1.88E+00	1.95E-04	1.13E-02	5.51E-03	1.90E+00	2.28E+00	4.51E+00	1.03E+00	1.89E-01	8.01E+00
2991	479076.63	3850171.93	12.1621	5.69702	5.2933	2.62413	1.99E+00	4.42E+00	1.03E+00	1.93E-01	7.63E+00	1.96E+00	1.91E-04	1.13E-02	5.65E-03	1.98E+00	2.38E+00	4.42E+00	1.03E+00	1.93E-01	8.02E+00
2992	479126.63	3850171.93	12.6661	5.58803	5.2906	2.67379	2.07E+00	4.33E+00	1.03E+00	1.97E-01	7.63E+00	2.04E+00	1.88E-04	1.12E-02	5.76E-03	2.06E+00	2.48E+00	4.33E+00	1.03E+00	1.97E-01	8.04E+00
2993	479176.63	3850171.93	13.0063	5.49402	5.2835	2.70359	2.13E+00	4.26E+00	1.02E+00	1.99E-01	7.61E+00	2.10E+00	1.85E-04	1.12E-02	5.82E-03	2.11E+00	2.55E+00	4.26E+00	1.02E+00	1.99E-01	8.03E+00
2994	479226.63	3850171.93	13.4524	5.45789	5.2718	2.68632	2.20E+00	4.23E+00	1.02E+00	1.98E-01	7.65E+00	2.17E+00	1.83E-04	1.12E-02	5.78E-03	2.18E+00	2.63E+00	4.23E+00	1.02E+00	1.98E-01	8.09E+00
2995	479276.63	3850171.93	13.6771	5.41175	5.2556	2.65776	2.24E+00	4.20E+00	1.02E+00	1.96E-01	7.65E+00	2.20E+00	1.82E-04	1.12E-02	5.72E-03	2.22E+00	2.68E+00	4.20E+00	1.02E+00	1.96E-01	8.09E+00
2996	479326.63	3850171.93	14.1292	5.23434	5.2347	2.70671	2.31E+00	4.06E+00	1.02E+00	1.99E-01	7.59E+00	2.28E+00	1.76E-04	1.11E-02	5.83E-03	2.29E+00	2.76E+00	4.06E+00	1.02E+00	1.99E-01	8.04E+00
2997	479376.63	3850171.93	14.7006	5.0927	5.2093	2.7654	2.40E+00	3.95E+00	1.01E+00	2.04E-01	7.57E+00	2.37E+00	1.71E-04	1.11E-02	5.95E-03	2.39E+00	2.88E+00	3.95E+00	1.01E+00	2.04E-01	8.04E+00
2998	478676.63	3850221.93	9.94554	6.40187	5.1398	2.28442	1.63E+00	4.97E+00	9.97E-01	1.68E-01	7.76E+00	1.60E+00	2.15E-04	1.09E-02	4.92E-03	1.62E+00	1.95E+00	4.97E+00	9.97E-01	1.68E-01	8.08E+00
2999	478726.63	3850221.93	9.88736	6.42314	5.1766	2.30324	1.62E+00	4.98E+00	1.00E+00	1.70E-01	7.77E+00	1.59E+00	2.16E-04	1.10E-02	4.96E-03	1.61E+00	1.93E+00	4.98E+00	1.00E+00	1.70E-01	8.09E+00
3000	478976.63	3850221.93	10.5137	6.09309	5.2998	2.44973	1.72E+00	4.73E+00	1.03E+00	1.80E-01	7.65E+00	1.69E+00	2.05E-04	1.13E-02	5.27E-03	1.71E+00	2.06E+00	4.73E+00	1.03E+00	1.80E-01	7.99E+00
3001	479026.63	3850221.93	11.0825	6.01359	5.3115	2.47645	1.81E+00	4.66E+00	1.03E+00	1.82E-01	7.69E+00	1.79E+00	2.02E-04	1.13E-02	5.33E-03	1.80E+00	2.17E+00	4.67E+00	1.03E+00	1.82E-01	8.05E+00
3002	479076.63	3850221.93	11.6266	5.90327	5.3187	2.53636	1.90E+00	4.58E+00	1.03E+00	1.87E-01	7.70E+00	1.87E+00	1.98E-04	1.13E-02	5.46E-03	1.89E+00	2.28E+00	4.58E+00	1.03E+00	1.87E-01	8.07E+00
3003	479126.63	3850221.93	12.0927	5.80624	5.3214	2.5855	1.98E+00	4.50E+00	1.03E+00	1.90E-01	7.70E+00	1.95E+00	1.95E-04	1.13E-02	5.57E-03	1.97E+00	2.37E+00	4.50E+00	1.03E+00	1.90E-01	8.09E+00
3004	479176.63	3850221.93	12.5045	5.75001	5.3194	2.60289	2.05E+00	4.46E+00	1.03E+00	1.92E-01	7.73E+00	2.01E+00	1.93E-04	1.13E-02	5.60E-03	2.03E+00	2.45E+00	4.46E+00	1.03E+00	1.92E-01	8.13E+00
3005	479226.63	3850221.93	12.7781	5.68802	5.3129	2.60976	2.09E+00	4.41E+00	1.03E+00	1.92E-01	7.72E+00	2.06E+00	1.91E-04	1.13E-02	5.62E-03	2.08E+00	2.50E+00	4.41E+00	1.03E+00	1.92E-01	8.14E+00
3006	479276.63	3850221.93	13.173	5.61636	5.3018	2.60743	2.15E+00	4.36E+00	1.03E+00	1.92E-01	7.73E+00	2.12E+00	1.89E-04	1.13E-02	5.61E-03	2.14E+00	2.58E+00	4.36E+00	1.03E+00	1.92E-01	8.15E+00
3007	479326.63	3850221.93	13.7463	5.42302	5.2859	2.66208	2.25E+00	4.21E+00	1.02E+00	1.96E-01	7.68E+00	2.21E+00	1.82E-04	1.12E-02	5.73E-03	2.23E+00	2.69E+00	4.21E+00	1.02E+00	1.96E-01	8.12E+00
3008	479376.63	3850221.93	14.139	5.27793	5.2655	2.69284	2.31E+00	4.09E+00	1.02E+00	1.98E-01	7.63E+00	2.28E+00	1.77E-04	1.12E-02	5.80E-03	2.30E+00	2.77E+00	4.09E+00	1.02E+00	1.98E-01	8.08E+00
3009	478676.63	3850271.93	9.84787	6.48948	5.1176	2.25228	1.61E+00	5.03E+00	9.92E-01	1.66E-01	7.80E+00	1.59E+00	2.18E-04	1.09E-02	4.85E-03	1.60E+00	1.93E+00	5.03E+00	9.92E-01	1.66E-01	8.12E+00
3010	478726.63	3850271.93	9.92563	6.53809	5.1594	2.27153	1.62E+00	5.07E+00	1.00E+00	1.67E-01	7.86E+00	1.60E+00	2.20E-04	1.10E-02	4.89E-03	1.62E+00	1.94E+00	5.07E+00	1.00E+00	1.67E-01	8.18E+00
3011	478976.63	3850271.93	9.87989	6.26973	5.3085	2.39099	1.62E+00	4.86E+00	1.03E+00	1.76E-01	7.68E+00	1.59E+00	2.11E-04	1.13E-02	5.15E-03	1.61E+00	1.93E+00	4.86E+00	1.03E+00	1.76E-01	8.00E+00
3012	479026.63	3850271.93	10.4124	6.21244	5.3256	2.41319	1.70E+00	4.82E+00	1.03E+00	1.78E-01	7.73E+00	1.68E+00	2.09E-04	1.13E-02	5.20E-03	1.69E+00	2.04E+00	4.82E+00	1.03E+00	1.78E-01	8.07E+00
3013	479076.63	3850271.93	10.998	6.11148	5.3382	2.44735	1.80E+00	4.74E+00	1.04E+00	1.80E-01	7.75E+00	1.77E+00	2.05E-04	1.13E-02	5.27E-03	1.79E+00	2.15E+00	4.74E+00	1.04E+00	1.80E-01	8.11E+00
3014	479126.63	3850271.93	11.5062	6.03115	5.3462	2.49235	1.88E+00	4.68E+00	1.04E+00	1.83E-01	7.78E+00	1.85E+00	2.03E-04	1.14E-02	5.37E-03	1.87E+00	2.25E+00	4.68E+00	1.04E+00	1.83E-01	8.15E+00
3015	479176.63	3850271.93	11.893	5.96423	5.3496	2.52137	1.95E+00	4.63E+00	1.04E+00	1.86E-01	7.79E+00	1.92E+00	2.00E-04	1.14E-02	5.43E-03	1.93E+00	2.33E+00	4.63E+00	1.04E+00	1.86E-01	8.18E+00
3016	479226.63	3850271.93	12.2642	5.9023	5.3484	2.53666	2.01E+00	4.58E+00	1.04E+00	1.87E-01	7.81E+00	1.98E+00	1.98E-04	1.14E-02	5.46E-03	1.99E+00	2.40E+00	4.58E+00	1.04E+00	1.87E-01	8.20E+00
3017	479276.63	3850271.93	12.6382	5.79777	5.3425	2.56272	2.07E+00	4.50E+00	1.04E+00	1.89E-01	7.79E+00	2.04E+00	1.95E-04	1.14E-02	5.52E-03	2.05E+00	2.47E+00	4.50E+00	1.04E+00	1.89E-01	8.20E+00
3018	479326.63	3850271.93	13.2208	5.63043	5.3319	2.61219	2.16E+00	4.37E+00	1.03E+00	1.92E-01	7.76E+00	2.13E+00	1.89E-04	1.13E-02	5.62E-03	2.15E+00	2.59E+00	4.37E+00	1.03E+00	1.92E-01	8.18E+00
3019	479376.63	3850271.93	13.8491	5.42084	5.3165	2.674	2.27E+00	4.20E+00	1.03E+00	1.97E-01	7.70E+00	2.23E+00	1.82E-04	1.13E-02	5.76E-03	2.25E+00	2.71E+00	4.21E+00	1.03E+00	1.97E-01	8.14E+00
3020	479053.24	3850293.52	10.4186	6.26182	5.3383	2.39705	1.70E+00	4.86E+00	1.04E+00	1.76E-01	7.77E+00	1.68E+00	2.10E-04	1.14E-02	5.16E-03	1.70E+00	2.04E+00	4.86E+00	1.04E+00	1.76E-01	8.11E+00
3021	479103.24	3850293.52	10.9779	6.17272	5.3508	2.42835	1.80E+00	4.79E+00	1.04E+00	1.79E-01	7.80E+00	1.77E+00	2.07E-04	1.14E-02	5.23E-03	1.79E+00	2.15E+00	4.79E+00	1.04E+00	1.79E-01	8.15E+00
3022	479153.24	3850293.52	11.4919	6.07735	5.3587	2.47754	1.88E+00	4.71E+00	1.04E+00	1.82E-01	7.82E+00	1.85E+00	2.04E-04	1.14E-02	5.33E-03	1.87E+00	2.25E+00	4.71E+00	1.04E+00	1.82E-01	8.18E+00
3023	479203.24	3850293.52	11.8391	6.02109	5.362	2.49815	1.94E+00	4.67E+00	1.04E+00	1.84E-01	7.83E+00	1.91E+00	2.02E-04	1.14E-02	5.38E-03	1.92E+00	2.32E+00	4.67E+00	1.04E+00	1.84E-01	8.21E+00
3024	479253.24	3850293.52	12.241	5.9338	5.3606	2.5238	2.00E+00	4.60E+00	1.04E+00	1.86E-01	7.83E+00	1.97E+00	1.99E-04	1.14E-02	5.43E-03	1.99E+00	2.40E+00	4.60E+00	1.04E+00	1.86E-01	8.22E+00
3025	479303.24	3850293.52	12.7163	5.78737	5.3545	2.57085	2.08E+00	4.49E+00	1.04E+00	1.89E-01	7.80E+00	2.05E+00	1.94E-04	1.14E-02	5.53E-03	2.07E+00	2.49E+00	4.49E+00	1.04E+00	1.89E-01	8.21E+00
3026	479353.24	3850293.52	13.344	5.60156	5.3436	2.62898	2.18E+00	4.35E+00	1.04E+00	1.94E-01	7.76E+00	2.15E+00	1.88E-04	1.14E-02	5.66E-03	2.17E+00	2.61E+00	4.35E+00	1.04E+00	1.94E-01	8.19E+00
3027	479153.24	3850343.52	10.8499	6.29193	5.3777	2.39204	1.77E+00	4.88E+00	1.04E+00	1.76E-01	7.87E+00	1.75E+00	2.11E-04	1.14E-02	5.15E-03	1.77E+00	2.12E+00	4.88E+00	1.04E+00	1.76E-01	8.22E+00
3028	479203.24	3850343.52	10.7378	6.22164	5.3865	2.42446	1.76E+00	4.83E+00	1.04E+00	1.78E-01	7.81E+00	1.73E+00	2.09E-04	1.15E-02	5.22E-03	1.75E+00	2.10E+00	4.83E+00	1.04E+00	1.78E-01	8.15E+00
3029	479253.24	3850343.52	11.7581	6.10167	5.3905	2.47344	1.92E+00	4.73E+00	1.05E+00	1.82E-01	7.88E+00	1.89E+00	2.05E-04	1.15E-02	5.32E-03	1.91E+00	2.30E+00	4.73E+00	1.05E+00	1.82E-01	8.26E+00
3030	479303.24	3850343.52	12.2681	5.95368	5.3899	2.52901	2.01E+00	4.62E+00	1.05E+00	1.86E-01	7.86E+00	1.98E+00	2.00E-04	1.15E-02	5.44E-03	1.99E+00	2.40E+00	4.62E+00	1.05E+00	1.86E-01	8.25E+00
3031	479353.24	3850343.52	12.7877	5.78875	5.3844	2.58456	2.09E+00	4.49E+00	1.04E+00	1.90E-01	7.82E+00	2.06E+00	1.94E-04	1.14E-02	5.56E-03	2.08E+00	2.50E+00	4.49E+00	1.04E+00	1.90E-01	8.23E+00
3032	479203.24	3850393.52	10.3439	6.39457	5.4047	2.36332	1.69E+00	4.96E+00	1.05E+00	1.74E-01	7.87E+00	1.67E+00	2.15E-04	1.15E-02	5.09E-03	1.68E+00	2.02E+00	4.96E+00	1.05E+00	1.74E-01	8.21E+00
3033	479253.24	3850393.52	10.7772	6.27875	5.4144	2.41422	1.76E+00	4.87E+00	1.05E+00	1.78E-01	7.86E+00	1.74E+00	2.11E-04	1.15E-02	5.20E-03	1.75E+00	2.11E+00	4.87E+00	1.05E+00	1.78E-01	8.21E+00
3034	479303.24	3850393.52	11.1365	6.13752	5.4192	2.47184	1.82E+00	4.76E+00	1.05E+00	1.82E-01	7.82E+00	1.79E+00	2.06E-04	1.15E-02	5.32E-03	1.81E+00	2.18E+00	4.76E+00	1.05E+00	1.82E-01	8.17E+00
3035	479353.24	3850393.52	12.2791	5.97841	5.4193	2.53156	2.01E+00	4.64E+00	1.05E+00	1.86E-01	7.88E+00	1.98E+00	2.01E-04	1.15E-02	5.45E-03	2.00E+00	2.40E+00	4.64E+00	1.05E+00	1.86E-01	8.28E+00
3036	479403.24	3850393.52	12.8129	5.81183	5.4145	2.58587	2.10E+00	4.51E+00	1.05E+00	1.90E-01	7.84E+00	2.06E+00	1.95E-04	1.15E-02	5.57E-03	2.08E+00	2.51E+00	4.51E+00	1.05E+00	1.90E-01	8.26E+00
3037	479453.24	3850393.52	13.4975	5.6035	5.4048	2.65264	2.21E+00	4.35E+00	1.05E+00	1.95E-01	7.80E+00	2.17E+00	1.88E-04	1.15E-02	5.71E-03	2.19E+00	2.64E+00	4.35E+00	1.05E+00	1.95E-01	8.23E+00
3038	479503.24	3850393.52	14.2286	5.36794	5.3902	2.72494	2.33E+00	4.16E+00	1.05E+00	2.01E-01	7.74E+00	2.29E+00	1.80E-04	1.15E-02	5.87E-03	2.31E+00	2.78E+00	4.16E+00	1.05E+00	2.01E-01	8.19E+00
3039	479303.24	3850443.52	10.8085	6.28887	5.4424	2.42704	1.77E+00	4.88E+00	1.06E+00	1.79E-01	7.88E+00	1.74E+00	2.11E-04	1.16E-02	5.22E-03	1.76E+00	2.12E+00	4.88E+00	1.06E+00	1.79E-01	8.23E+00
3040	479353.24	3850443.52	11.8527	6.121	5.4481	2.4975	1.94E+00	4.75E+00	1.06E+00	1.84E-01	7.93E+00	1.91E+00	2.06E-04	1.16E-02	5.38E-03	1.93E+00	2.32E+00	4.75E+00	1.06E+00	1.84E-01	8.31E+00
3041	479403.24	3850443.52	12.4489	5.93611	5.4489	2.57039	2.04E+00	4.60E+00	1.06E+00	1.89E-01	7.89E+00	2.01E+00	1.99E-04	1.16E-02	5.53E-03	2.02E+00	2.44E+00	4.60E+00	1.06E+00	1.89E-01	8.29E+00
3042	479453.24	3850443.52	13.0395	5.73907	5.4448	2.6409	2.13E+00	4.45E+00	1.06E+00	1.94E-01	7.83E+00	2.10E+00	1.93E-04	1.16E-02	5.69E-03	2.12E+00	2.55E+00	4.45E+00	1.06E+00	1.94E-01	8.25E+00
3043	479503.24	3850443.52	13.7617	5.52018	5.4357	2.71221	2.25E+00	4.28E+00	1.05E+00	2.00E-01	7.79E+00	2.22E+00	1.85E-04	1.16E-02	5.84E-03	2.24E+00	2.69E+00	4.28E+00	1.05E+00	2.00E-01	8.23E+00
3044	480327.18	3850987.04	15.0856	5.29445	5.6774	2.49276	2.47E+00	4.11E+00	1.10E+00	1.84E-01	7.86E+00	2.43E+00	1.78E-04	1.21E-02	5.37E-03	2.45E+00	2.95E+00	4.11E+00	1.10E+00	1.84E-01	8.34E+00
3045	480377.18	3850987.04	15.2681	5.08711	5.6387	2.51615	2.50E+00	3.95E+00	1.09E+00	1.85E-01	7.72E+00	2.46E+00	1.71E-04	1.20E-02	5.42E-03	2.48E+00	2.99E+00	3.95E+00	1.09E+00	1.85E-01	8.21E+00
3046	480427.18	3850987.04	15.2941	4.95773	5.5945	2.54955	2.50E+00	3.85E+00	1.08E+00	1.88E-01	7.62E+00	2.46E+00	1.67E-04	1.19E-02	5.49E-03	2.48E+00	2.99E+00	3.85E+00	1.08E+00	1.88E-01	8.11E+00

3047	480477.18	3850987.04	15.4261	4.86705	5.5448	2.58696	2.52E+00	3.78E+00	1.08E+00	1.90E-01	7.56E+00	2.49E+00	1.63E-04	1.18E-02	5.57E-03	2.50E+00	3.02E+00	3.78E+00	1.08E+00	1.90E-01	8.06E+00
3048	480327.18	3851037.04	14.7176	5.47965	5.7475	2.46426	2.41E+00	4.25E+00	1.11E+00	1.81E-01	7.95E+00	2.37E+00	1.84E-04	1.22E-02	5.30E-03	2.39E+00	2.88E+00	4.25E+00	1.11E+00	1.81E-01	8.43E+00
3049	480377.18	3851037.04	15.1158	5.29149	5.7147	2.49221	2.47E+00	4.10E+00	1.11E+00	1.83E-01	7.87E+00	2.44E+00	1.78E-04	1.22E-02	5.37E-03	2.45E+00	2.96E+00	4.10E+00	1.11E+00	1.83E-01	8.35E+00
3050	480427.18	3851037.04	15.3308	5.0686	5.6763	2.52257	2.51E+00	3.93E+00	1.10E+00	1.86E-01	7.73E+00	2.47E+00	1.70E-04	1.21E-02	5.43E-03	2.49E+00	3.00E+00	3.93E+00	1.10E+00	1.86E-01	8.22E+00
3051	480477.18	3851037.04	15.3536	5.00917	5.6322	2.54537	2.51E+00	3.89E+00	1.09E+00	1.87E-01	7.68E+00	2.47E+00	1.68E-04	1.20E-02	5.48E-03	2.49E+00	3.00E+00	3.89E+00	1.09E+00	1.87E-01	8.17E+00
3052	480622.06	3851087.39	15.6479	4.91499	5.5726	2.56213	2.56E+00	3.81E+00	1.08E+00	1.89E-01	7.64E+00	2.52E+00	1.65E-04	1.18E-02	5.52E-03	2.54E+00	3.06E+00	3.81E+00	1.08E+00	1.89E-01	8.14E+00
3053	480672.06	3851087.39	15.8698	4.79775	5.513	2.62267	2.60E+00	3.72E+00	1.07E+00	1.93E-01	7.58E+00	2.56E+00	1.61E-04	1.17E-02	5.65E-03	2.57E+00	3.11E+00	3.72E+00	1.07E+00	1.93E-01	8.09E+00
3054	480622.06	3851137.39	15.5199	5.12711	5.6656	2.52359	2.54E+00	3.98E+00	1.10E+00	1.86E-01	7.80E+00	2.50E+00	1.72E-04	1.20E-02	5.43E-03	2.52E+00	3.04E+00	3.98E+00	1.10E+00	1.86E-01	8.30E+00
3055	480672.06	3851137.39	15.664	4.97551	5.6113	2.53595	2.56E+00	3.86E+00	1.09E+00	1.87E-01	7.70E+00	2.52E+00	1.67E-04	1.19E-02	5.46E-03	2.54E+00	3.07E+00	3.86E+00	1.09E+00	1.87E-01	8.20E+00
3056	480722.06	3851137.39	15.8596	4.8708	5.5516	2.5878	2.59E+00	3.78E+00	1.08E+00	1.91E-01	7.64E+00	2.56E+00	1.64E-04	1.18E-02	5.57E-03	2.57E+00	3.10E+00	3.78E+00	1.08E+00	1.91E-01	8.15E+00
3057	480622.06	3851187.39	15.3741	5.30381	5.7534	2.48986	2.51E+00	4.11E+00	1.12E+00	1.83E-01	7.93E+00	2.48E+00	1.78E-04	1.22E-02	5.36E-03	2.50E+00	3.01E+00	4.11E+00	1.12E+00	1.83E-01	8.42E+00
3058	480672.06	3851187.39	15.5032	5.20211	5.7048	2.4977	2.54E+00	4.04E+00	1.11E+00	1.84E-01	7.86E+00	2.50E+00	1.75E-04	1.21E-02	5.38E-03	2.52E+00	3.03E+00	4.04E+00	1.11E+00	1.84E-01	8.36E+00
3059	480722.06	3851187.39	15.7002	5.06368	5.6505	2.49782	2.57E+00	3.93E+00	1.10E+00	1.84E-01	7.78E+00	2.53E+00	1.70E-04	1.20E-02	5.38E-03	2.55E+00	3.07E+00	3.93E+00	1.10E+00	1.84E-01	8.28E+00
3060	471363.09	3845877.25	3.52701	1.56363	2.3162	1.69309	5.77E-01	1.21E+00	4.49E-01	1.25E-01	2.36E+00	5.68E-01	5.25E-05	4.92E-03	3.64E-03	5.77E-01	6.90E-01	1.21E+00	4.49E-01	1.25E-01	2.48E+00
3061	471863.09	3845877.25	2.75707	1.63828	2.5032	1.71448	4.51E-01	1.27E+00	4.85E-01	1.26E-01	2.33E+00	4.44E-01	5.50E-05	5.32E-03	3.69E-03	4.53E-01	5.40E-01	1.27E+00	4.85E-01	1.26E-01	2.42E+00
3062	472363.09	3845877.25	3.8163	1.59846	2.8094	1.69827	6.24E-01	1.24E+00	5.45E-01	1.25E-01	2.53E+00	6.15E-01	5.37E-05	5.97E-03	3.66E-03	6.25E-01	7.47E-01	1.24E+00	5.45E-01	1.25E-01	2.66E+00
3063	472863.09	3845877.25	3.05496	1.03581	3.1747	1.65746	5.00E-01	8.03E-01	6.16E-01	1.22E-01	2.04E+00	4.92E-01	3.48E-05	6.75E-03	3.57E-03	5.03E-01	5.98E-01	8.04E-01	6.16E-01	1.22E-01	2.14E+00
3064	473363.09	3845877.25	3.11935	1.02488	3.4582	1.5529	5.10E-01	7.95E-01	6.71E-01	1.14E-01	2.09E+00	5.03E-01	3.44E-05	7.35E-03	3.34E-03	5.13E-01	6.10E-01	7.95E-01	6.71E-01	1.14E-01	2.19E+00
3065	473863.09	3845877.25	3.85455	1.29666	3.6121	1.38875	6.30E-01	1.01E+00	7.00E-01	1.02E-01	2.44E+00	6.21E-01	4.36E-05	7.68E-03	2.99E-03	6.32E-01	7.54E-01	1.01E+00	7.00E-01	1.02E-01	2.56E+00
3066	474363.09	3845877.25	4.37076	1.60937	3.6066	1.20463	7.15E-01	1.25E+00	6.99E-01	8.87E-02	2.75E+00	7.04E-01	5.41E-05	7.67E-03	2.59E-03	7.15E-01	8.55E-01	1.25E+00	6.99E-01	8.87E-02	2.89E+00
3067	474863.09	3845877.25	5.60731	1.65114	3.4382	1.42109	9.17E-01	1.28E+00	6.67E-01	1.05E-01	2.97E+00	9.04E-01	5.55E-05	7.31E-03	3.06E-03	9.14E-01	1.10E+00	1.28E+00	6.67E-01	1.05E-01	3.15E+00
3068	475363.09	3845877.25	7.44829	1.71293	3.1342	1.9695	1.22E+00	1.33E+00	6.08E-01	1.45E-01	3.30E+00	1.20E+00	5.75E-05	6.66E-03	4.24E-03	1.21E+00	1.46E+00	1.33E+00	6.08E-01	1.45E-01	3.54E+00
3069	475863.09	3845877.25	7.23248	1.37922	2.7441	2.09208	1.18E+00	1.07E+00	5.32E-01	1.54E-01	2.94E+00	1.17E+00	4.63E-05	5.83E-03	4.50E-03	1.18E+00	1.42E+00	1.07E+00	5.32E-01	1.54E-01	3.17E+00
3070	476363.09	3845877.25	6.75347	1.22074	2.334	1.83743	1.10E+00	9.47E-01	4.53E-01	1.35E-01	2.64E+00	1.09E+00	4.10E-05	4.96E-03	3.96E-03	1.10E+00	1.32E+00	9.47E-01	4.53E-01	1.35E-01	2.86E+00
3071	476863.09	3845877.25	6.04472	1.11488	2.8097	1.56226	9.89E-01	8.65E-01	5.45E-01	1.15E-01	2.51E+00	9.74E-01	3.75E-05	5.97E-03	3.36E-03	9.83E-01	1.18E+00	8.65E-01	5.45E-01	1.15E-01	2.71E+00
3072	477363.09	3845877.25	4.78157	1.07329	4.2653	1.40782	7.82E-01	8.33E-01	8.27E-01	1.04E-01	2.55E+00	7.70E-01	3.61E-05	9.07E-03	3.03E-03	7.83E-01	9.36E-01	8.33E-01	8.27E-01	1.04E-01	2.70E+00
3073	477863.09	3845877.25	3.86337	0.94918	4.7878	1.23162	6.32E-01	7.36E-01	9.28E-01	9.07E-02	2.39E+00	6.23E-01	3.19E-05	1.02E-02	2.65E-03	6.35E-01	7.56E-01	7.36E-01	9.28E-01	9.07E-02	2.51E+00
3074	478363.09	3845877.25	4.29242	0.9122	4.1487	1.16252	7.02E-01	7.08E-01	8.04E-01	8.56E-02	2.30E+00	6.92E-01	3.06E-05	8.82E-03	2.50E-03	7.03E-01	8.40E-01	7.08E-01	8.04E-01	8.56E-02	2.44E+00
3075	478863.09	3845877.25	3.54083	0.79124	3.3783	1.28514	5.79E-01	6.14E-01	6.55E-01	9.46E-02	1.94E+00	5.71E-01	2.66E-05	7.18E-03	2.77E-03	5.81E-01	6.93E-01	6.14E-01	6.55E-01	9.46E-02	2.06E+00
3076	479363.09	3845877.25	3.163	0.66013	3.0814	1.35026	5.17E-01	5.12E-01	5.98E-01	9.94E-02	1.73E+00	5.10E-01	2.22E-05	6.55E-03	2.91E-03	5.19E-01	6.19E-01	5.12E-01	5.98E-01	9.94E-02	1.83E+00
3077	479863.09	3845877.25	2.28348	0.7564	2.7179	1.4076	3.73E-01	5.87E-01	5.27E-01	1.04E-01	1.59E+00	3.68E-01	2.54E-05	5.78E-03	3.03E-03	3.77E-01	4.47E-01	5.87E-01	5.27E-01	1.04E-01	1.66E+00
3078	480363.09	3845877.25	1.78095	0.70041	2.5932	1.53213	2.91E-01	5.43E-01	5.03E-01	1.13E-01	1.45E+00	2.87E-01	2.35E-05	5.51E-03	3.30E-03	2.96E-01	3.48E-01	5.43E-01	5.03E-01	1.13E-01	1.51E+00
3079	480863.09	3845877.25	1.33107	0.59315	3.1873	1.68381	2.18E-01	4.60E-01	6.18E-01	1.24E-01	1.42E+00	2.14E-01	1.99E-05	6.78E-03	3.62E-03	2.25E-01	2.60E-01	4.60E-01	6.18E-01	1.24E-01	1.46E+00
3080	481363.09	3845877.25	1.15414	0.49654	3.764	1.58991	1.89E-01	3.85E-01	7.30E-01	1.17E-01	1.42E+00	1.86E-01	1.67E-05	8.00E-03	3.42E-03	1.97E-01	2.26E-01	3.85E-01	7.30E-01	1.17E-01	1.46E+00
3081	481863.09	3845877.25	1.37008	0.69794	4.1012	1.41765	2.24E-01	5.41E-01	7.95E-01	1.04E-01	1.67E+00	2.21E-01	2.34E-05	8.72E-03	3.05E-03	2.33E-01	2.68E-01	5.41E-01	7.95E-01	1.04E-01	1.71E+00
3082	482363.09	3845877.25	1.58538	0.83512	4.0319	1.30623	2.59E-01	6.48E-01	7.82E-01	9.62E-02	1.79E+00	2.55E-01	2.81E-05	8.57E-03	2.81E-03	2.67E-01	3.10E-01	6.48E-01	7.82E-01	9.62E-02	1.84E+00
3083	482863.09	3845877.25	1.10411	0.82721	3.9671	1.33548	1.81E-01	6.42E-01	7.69E-01	9.83E-02	1.69E+00	1.78E-01	2.78E-05	8.43E-03	2.87E-03	1.89E-01	2.16E-01	6.42E-01	7.69E-01	9.83E-02	1.73E+00
3084	483363.09	3845877.25	1.01852	0.70169	4.5482	1.20626	1.67E-01	5.44E-01	8.82E-01	8.88E-02	1.68E+00	1.64E-01	2.36E-05	9.67E-03	2.60E-03	1.76E-01	1.99E-01	5.44E-01	8.82E-01	8.88E-02	1.71E+00
3085	483863.09	3845877.25	1.3395	0.60858	5.5148	1.45266	2.19E-01	4.72E-01	1.07E+00	1.07E-01	1.87E+00	2.16E-01	2.04E-05	1.17E-02	3.13E-03	2.31E-01	2.62E-01	4.72E-01	1.07E+00	1.07E-01	1.91E+00
3086	484363.09	3845877.25	1.40364	0.5804	5.8402	1.54068	2.30E-01	4.50E-01	1.13E+00	1.13E-01	1.93E+00	2.26E-01	1.95E-05	1.24E-02	3.32E-03	2.42E-01	2.75E-01	4.50E-01	1.13E+00	1.13E-01	1.97E+00
3087	484863.09	3845877.25	1.4519	0.70296	5.3864	1.52354	2.37E-01	5.45E-01	1.04E+00	1.12E-01	1.94E+00	2.34E-01	2.36E-05	1.15E-02	3.28E-03	2.49E-01	2.84E-01	5.45E-01	1.04E+00	1.12E-01	1.99E+00
3088	485363.09	3845877.25	1.52091	0.70667	4.1947	1.49142	2.49E-01	5.48E-01	8.13E-01	1.10E-01	1.72E+00	2.45E-01	2.37E-05	8.92E-03	3.21E-03	2.57E-01	2.98E-01	5.48E-01	8.13E-01	1.10E-01	1.77E+00
3089	485863.09	3845877.25	1.25449	0.67675	3.4527	1.43147	2.05E-01	5.25E-01	6.70E-01	1.05E-01	1.51E+00	2.02E-01	2.27E-05	7.34E-03	3.08E-03	2.13E-01	2.45E-01	5.25E-01	6.70E-01	1.05E-01	1.55E+00
3090	486363.09	3845877.25	1.19257	0.74675	3.7226	1.29904	1.95E-01	5.79E-01	7.22E-01	9.56E-02	1.59E+00	1.92E-01	2.51E-05	7.91E-03	2.80E-03	2.03E-01	2.33E-01	5.79E-01	7.22E-01	9.56E-02	1.63E+00
3091	486863.09	3845877.25	0.87113	0.70619	3.5265	1.24182	1.42E-01	5.48E-01	6.84E-01	9.14E-02	1.47E+00	1.40E-01	2.37E-05	7.50E-03	2.67E-03	1.51E-01	1.70E-01	5.48E-01	6.84E-01	9.14E-02	1.49E+00
3092	487363.09	3845877.25	0.74905	0.55866	3.2277	1.26237	1.23E-01	4.33E-01	6.26E-01	9.29E-02	1.27E+00	1.21E-01	1.88E-05	6.86E-03	2.72E-03	1.30E-01	1.47E-01	4.33E-01	6.26E-01	9.29E-02	1.30E+00
3093	487863.09	3845877.25	0.52558	0.39468	3.6398	1.13546	8.60E-02	3.06E-01	7.06E-01	8.36E-02	1.18E+00	8.47E-02	1.33E-05	7.74E-03	2.44E-03	9.49E-02	1.03E-01	3.06E-01	7.06E-01	8.36E-02	1.20E+00
3094	488363.09	3845877.25	0.49976	0.3497	4.0542	1.05961	8.17E-02	2.71E-01	7.86E-01	7.80E-02	1.22E+00	8.05E-02	1.17E-05	8.62E-03	2.28E-03	9.14E-02	9.78E-02	2.71E-01	7.86E-01	7.80E-02	1.23E+00
3095	488863.09	3845877.25	0.59049	0.45094	6.4522	1.22176	9.66E-02	3.50E-01	1.25E+00	9.00E-02	1.79E+00	9.51E-02	1.51E-05	1.37E-02	2.63E-03	1.12E-01	1.16E-01	3.50E-01	1.25E+00	9.00E-02	1.81E+00
3096	489363.09	3845877.25	0.59855	0.41849	6.2984	1.24843	9.79E-02	3.25E-01	1.22E+00	9.19E-02	1.74E+00	9.64E-02	1.41E-05	1.34E-02	2.69E-03	1.13E-01	1.17E-01	3.25E-01	1.22E+00	9.19E-02	1.75E+00
3097	489863.09	3845877.25	0.58559	0.29941	5.8782	1.17622	9.58E-02	2.32E-01	1.14E+00	8.66E-02	1.55E+00	9.44E-02	1.01E-05	1.25E-02	2.53E-03	1.09E-01	1.15E-01	2.32E-01	1.14E+00	8.66E-02	1.57E+00
3098	490363.09	3845877.25	0.44405	0.35125	3.9961	0.94062	7.26E-02	2.72E-01	7.75E-01	6.93E-02	1.19E+00	7.16E-02	1.18E-05	8.50E-03	2.02E-03	8.21E-02	8.69E-02	2.72E-01	7.75E-01	6.93E-02	1.20E+00
3099	490863.09	3845877.25	0.47542	0.39517	3.4214	0.88167	7.78E-02	3.07E-01	6.63E-01	6.49E-02	1.11E+00	7.66E-02	1.33E-05	7.27E-03	1.90E-03	8.58E-02	9.30E-02	3.07E-01	6.63E-01	6.49E-02	1.13E+00
3100	491363.09	3845877.25	0.57527	0.44773	3.5451	0.97427	9.41E-02	3.47E-01	6.87E-01	7.17E-02	1.20E+00	9.27E-02	1.50E-05	7.54E-03	2.10E-03	1.02E-01	1.13E-01	3.47E-01	6.87E-01	7.17E-02	1.22E+00
3101	491863.09	3845877.25	0.80206	0.49109	3.9037	1.00125	1.31E-01	3.81E-01	7.57E-01	7.37E-02	1.34E+00	1.29E-01	1.65E-05	8.30E-03	2.16E-03	1.40E-01	1.57E-01	3.81E-01	7.57E-01	7.37E-02	1.37E+00
3102	492363.09	3845877.25	1.0186	0.54012	3.4802	0.98505	1.67E-01	4.19E-01	6.75E-01	7.25E-02	1.33E+00	1.64E-01	1.81E-05	7.40E-03	2.12E-03	1.74E-01	1.99E-01	4.19E-01	6.75E-01	7.25E-02	1.37E+00
3103	492863.09	3845877.25	1.23407	0.51467	3.329	1.02983	2.02E-01	3.99E-01	6.46E-01	7.58E-02	1.32E+00	1.99E-01	1.73E-05	7.08E-03	2.22E-03	2.08E-01	2.41E-01	3.99E-01	6.46E-01	7.58E-02	1.36E+00
3104	493363.09	3845877.25	1.25507	0.44238	3.3504	0.92343	2.05E-01	3.43E-01	6.50E-01	6.80E-02	1.27E+00	2.02E-01	1.49E-05	7.12E-03	1.99E-03	2.11E-01	2.46E-01	3.43E-01	6.50E-01	6.80E-02	1.31E+00
3105	493863.09	3845877.25	1.22643	0.39489	3.3598	0.86264	2.01E-01	3.06E-01	6.51E-01	6.35E-02	1.22E+00	1.98E-01	1.33E-05	7.14E-03	1.86E-03	2.07E-01	2.40E-01	3.06E-01	6.51E-01	6.35E-02	1.26E+00
3106	494363.09	3845877.25	1.18987	0.36375	3.0498	0.89132	1.95E-01	2.82E-01	5.91E-01	6.56E-02	1.13E+00	1.92E-01	1.22E-05	6.48E-03	1.92E-03	2.00E-01	2.33E-01	2.82E-01	5.91E-01	6.56E-02	1.17E+00
3107	494863.09	3845877.25	1.09119	0.35254	3.2649	0.89408	1.78E-01	2.73E-01	6.33E-01	6.58E-02	1.15E+00	1.76E-01	1.18E-05	6.94E-03	1.92E-03	1.85E-01	2.14E-01	2.73E-01	6.33E-01	6.58E-02	1.19E+00

3108	495363.09	3845877.25	0.91592	0.37666	3.6656	0.8968	1.50E-01	2.92E-01	7.11E-01	6.60E-02	1.22E+00	1.48E-01	1.27E-05	7.79E-03	1.93E-03	1.57E-01	1.79E-01	2.92E-01	7.11E-01	6.60E-02	1.25E+00
3109	495863.09	3845877.25	0.7327	0.45382	3.7323	0.91895	1.20E-01	3.52E-01	7.24E-01	6.77E-02	1.26E+00	1.18E-01	1.52E-05	7.94E-03	1.98E-03	1.28E-01	1.43E-01	3.52E-01	7.24E-01	6.77E-02	1.29E+00
3110	496363.09	3845877.25	0.62038	0.5472	3.9812	0.92026	1.01E-01	4.24E-01	7.72E-01	6.78E-02	1.37E+00	1.00E-01	1.84E-05	8.46E-03	1.98E-03	1.10E-01	1.21E-01	4.24E-01	7.72E-01	6.78E-02	1.39E+00
3111	496863.09	3845877.25	0.60787	0.59692	4.7052	0.95429	9.94E-02	4.63E-01	9.12E-01	7.03E-02	1.55E+00	9.79E-02	2.01E-05	1.00E-02	2.05E-03	1.10E-01	1.19E-01	4.63E-01	9.12E-01	7.03E-02	1.56E+00
3112	497363.09	3845877.25	0.66401	0.59497	5.2223	1.05981	1.09E-01	4.62E-01	1.01E+00	7.80E-02	1.66E+00	1.07E-01	2.00E-05	1.11E-02	2.28E-03	1.20E-01	1.30E-01	4.62E-01	1.01E+00	7.80E-02	1.68E+00
3113	497863.09	3845877.25	0.68644	0.59037	5.1659	1.14071	1.12E-01	4.58E-01	1.00E+00	8.40E-02	1.66E+00	1.11E-01	1.98E-05	1.10E-02	2.46E-03	1.24E-01	1.34E-01	4.58E-01	1.00E+00	8.40E-02	1.68E+00
3114	498363.09	3845877.25	0.7202	0.6261	4.6286	1.16636	1.18E-01	4.86E-01	8.98E-01	8.59E-02	1.59E+00	1.16E-01	2.10E-05	9.84E-03	2.51E-03	1.28E-01	1.41E-01	4.86E-01	8.98E-01	8.59E-02	1.61E+00
3115	471363.09	3846377.25	4.83901	2.94659	2.4256	1.64387	7.91E-01	2.29E+00	4.70E-01	1.21E-01	3.67E+00	7.80E-01	9.90E-05	5.16E-03	3.54E-03	7.89E-01	9.47E-01	2.29E+00	4.70E-01	1.21E-01	3.82E+00
3116	471863.09	3846377.25	6.06159	2.45113	2.3772	1.74739	9.91E-01	1.90E+00	4.61E-01	1.29E-01	3.48E+00	9.77E-01	8.23E-05	5.05E-03	3.76E-03	9.86E-01	1.19E+00	1.90E+00	4.61E-01	1.29E-01	3.68E+00
3117	472363.09	3846377.25	2.99622	1.68238	2.5507	1.7811	4.90E-01	1.31E+00	4.95E-01	1.31E-01	2.42E+00	4.83E-01	5.65E-05	5.42E-03	3.83E-03	4.92E-01	5.86E-01	1.31E+00	4.95E-01	1.31E-01	2.52E+00
3118	472863.09	3846377.25	3.28552	1.54738	2.8053	1.76013	5.37E-01	1.20E+00	5.44E-01	1.30E-01	2.41E+00	5.29E-01	5.20E-05	5.96E-03	3.79E-03	5.39E-01	6.43E-01	1.20E+00	5.44E-01	1.30E-01	2.52E+00
3119	473363.09	3846377.25	4.16107	1.23329	3.2124	1.72946	6.81E-01	9.57E-01	6.23E-01	1.27E-01	2.39E+00	6.70E-01	4.14E-05	6.83E-03	3.72E-03	6.81E-01	8.14E-01	9.57E-01	6.23E-01	1.27E-01	2.52E+00
3120	473863.09	3846377.25	4.17708	1.32697	3.5402	1.62451	6.83E-01	1.03E+00	6.86E-01	1.20E-01	2.52E+00	6.73E-01	4.46E-05	7.53E-03	3.50E-03	6.84E-01	8.17E-01	1.03E+00	6.86E-01	1.20E-01	2.65E+00
3121	474363.09	3846377.25	4.39365	1.6944	3.7346	1.45151	7.19E-01	1.31E+00	7.24E-01	1.07E-01	2.86E+00	7.08E-01	5.69E-05	7.94E-03	3.12E-03	7.19E-01	8.60E-01	1.31E+00	7.24E-01	1.07E-01	3.01E+00
3122	474863.09	3846377.25	5.24404	1.98738	3.7575	1.26483	8.58E-01	1.54E+00	7.29E-01	9.31E-02	3.22E+00	8.45E-01	6.68E-05	7.99E-03	2.72E-03	8.56E-01	1.03E+00	1.54E+00	7.29E-01	9.31E-02	3.39E+00
3123	475363.09	3846377.25	6.70217	1.95549	3.5992	1.7326	1.10E+00	1.52E+00	6.98E-01	1.28E-01	3.44E+00	1.08E+00	6.57E-05	7.65E-03	3.73E-03	1.09E+00	1.31E+00	1.52E+00	6.98E-01	1.28E-01	3.65E+00
3124	475863.09	3846377.25	8.65581	1.97896	3.286	2.34708	1.42E+00	1.54E+00	6.37E-01	1.73E-01	3.76E+00	1.39E+00	6.65E-05	6.99E-03	5.05E-03	1.41E+00	1.69E+00	1.54E+00	6.37E-01	1.73E-01	4.04E+00
3125	476363.09	3846377.25	7.88576	1.46336	2.8715	2.24246	1.29E+00	1.14E+00	5.57E-01	1.65E-01	3.15E+00	1.27E+00	4.92E-05	6.11E-03	4.83E-03	1.28E+00	1.54E+00	1.14E+00	5.57E-01	1.65E-01	3.40E+00
3126	476863.09	3846377.25	7.3002	1.28483	2.4475	1.93439	1.19E+00	9.97E-01	4.75E-01	1.42E-01	2.81E+00	1.18E+00	4.32E-05	5.20E-03	4.16E-03	1.19E+00	1.43E+00	9.97E-01	4.75E-01	1.42E-01	3.04E+00
3127	477363.09	3846377.25	6.27016	1.19475	3.2618	1.63017	1.03E+00	9.27E-01	6.32E-01	1.20E-01	2.70E+00	1.01E+00	4.01E-05	6.94E-03	3.51E-03	1.02E+00	1.23E+00	9.27E-01	6.32E-01	1.20E-01	2.91E+00
3128	477863.09	3846377.25	4.70138	1.0901	4.8499	1.55963	7.69E-01	8.46E-01	9.40E-01	1.15E-01	2.67E+00	7.58E-01	3.66E-05	1.03E-02	3.36E-03	7.71E-01	9.20E-01	8.46E-01	9.40E-01	1.15E-01	2.82E+00
3129	478363.09	3846377.25	4.53686	1.0182	5.4166	1.52349	7.42E-01	7.90E-01	1.05E+00	1.12E-01	2.69E+00	7.31E-01	3.42E-05	1.15E-02	3.28E-03	7.46E-01	8.88E-01	7.90E-01	1.05E+00	1.12E-01	2.84E+00
3130	478863.09	3846377.25	4.67677	0.87966	4.5802	1.37812	7.65E-01	6.82E-01	8.88E-01	1.01E-01	2.44E+00	7.54E-01	2.95E-05	9.74E-03	2.97E-03	7.66E-01	9.15E-01	6.82E-01	8.88E-01	1.01E-01	2.59E+00
3131	479363.09	3846377.25	3.69725	0.77915	3.4297	1.36874	6.05E-01	6.04E-01	6.65E-01	1.01E-01	1.97E+00	5.96E-01	2.62E-05	7.29E-03	2.95E-03	6.06E-01	7.23E-01	6.04E-01	6.65E-01	1.01E-01	2.09E+00
3132	479863.09	3846377.25	2.99724	0.73378	3.1088	1.40685	4.90E-01	5.69E-01	6.03E-01	1.04E-01	1.77E+00	4.83E-01	2.46E-05	6.61E-03	3.03E-03	4.93E-01	5.87E-01	5.69E-01	6.03E-01	1.04E-01	1.86E+00
3133	480363.09	3846377.25	2.43498	0.79255	2.8297	1.53938	3.98E-01	6.15E-01	5.49E-01	1.13E-01	1.68E+00	3.92E-01	2.66E-05	6.02E-03	3.31E-03	4.02E-01	4.76E-01	6.15E-01	5.49E-01	1.13E-01	1.75E+00
3134	480863.09	3846377.25	1.75413	0.72681	2.9357	1.68312	2.87E-01	5.64E-01	5.69E-01	1.24E-01	1.54E+00	2.83E-01	2.44E-05	6.24E-03	3.62E-03	2.93E-01	3.43E-01	5.64E-01	5.69E-01	1.24E-01	1.60E+00
3135	481363.09	3846377.25	1.29302	0.55335	3.587	1.74551	2.11E-01	4.29E-01	6.96E-01	1.29E-01	1.46E+00	2.08E-01	1.86E-05	7.63E-03	3.76E-03	2.20E-01	2.53E-01	4.29E-01	6.96E-01	1.29E-01	1.51E+00
3136	481863.09	3846377.25	1.34001	0.68207	4.1225	1.50005	2.19E-01	5.29E-01	7.99E-01	1.10E-01	1.66E+00	2.16E-01	2.29E-05	8.77E-03	3.23E-03	2.28E-01	2.62E-01	5.29E-01	7.99E-01	1.10E-01	1.70E+00
3137	482363.09	3846377.25	1.54239	0.82622	4.2834	1.34016	2.52E-01	6.41E-01	8.31E-01	9.87E-02	1.82E+00	2.49E-01	2.78E-05	9.11E-03	2.89E-03	2.61E-01	3.02E-01	6.41E-01	8.31E-01	9.87E-02	1.87E+00
3138	482863.09	3846377.25	1.22445	0.83427	4.1469	1.34147	2.00E-01	6.47E-01	8.04E-01	9.88E-02	1.75E+00	1.97E-01	2.80E-05	8.82E-03	2.89E-03	2.09E-01	2.40E-01	6.47E-01	8.04E-01	9.88E-02	1.79E+00
3139	483363.09	3846377.25	1.0514	0.75975	4.504	1.36853	1.72E-01	5.89E-01	8.73E-01	1.01E-01	1.74E+00	1.69E-01	2.55E-05	9.58E-03	2.95E-03	1.82E-01	2.06E-01	5.89E-01	8.73E-01	1.01E-01	1.77E+00
3140	483863.09	3846377.25	1.35643	0.66285	5.5247	1.48285	2.22E-01	5.14E-01	1.07E+00	1.09E-01	1.92E+00	2.19E-01	2.23E-05	1.17E-02	3.19E-03	2.34E-01	2.65E-01	5.14E-01	1.07E+00	1.09E-01	1.96E+00
3141	484363.09	3846377.25	1.42687	0.57265	5.9621	1.58863	2.33E-01	4.44E-01	1.16E+00	1.17E-01	1.95E+00	2.30E-01	1.92E-05	1.27E-02	3.42E-03	2.46E-01	2.79E-01	4.44E-01	1.16E+00	1.17E-01	2.00E+00
3142	484863.09	3846377.25	1.49174	0.73691	5.7906	1.61008	2.44E-01	5.72E-01	1.12E+00	1.19E-01	2.06E+00	2.40E-01	2.48E-05	1.23E-02	3.47E-03	2.56E-01	2.92E-01	5.72E-01	1.12E+00	1.19E-01	2.10E+00
3143	485363.09	3846377.25	1.60769	0.7349	4.7313	1.58099	2.63E-01	5.70E-01	9.17E-01	1.16E-01	1.87E+00	2.59E-01	2.47E-05	1.01E-02	3.40E-03	2.73E-01	3.15E-01	5.70E-01	9.17E-01	1.16E-01	1.92E+00
3144	485863.09	3846377.25	1.31255	0.67242	3.6434	1.44536	2.15E-01	5.22E-01	7.06E-01	1.06E-01	1.55E+00	2.11E-01	2.26E-05	7.75E-03	3.11E-03	2.22E-01	2.57E-01	5.22E-01	7.06E-01	1.06E-01	1.59E+00
3145	486363.09	3846377.25	0.97009	0.74249	3.7905	1.31232	1.59E-01	5.76E-01	7.35E-01	9.66E-02	1.57E+00	1.56E-01	2.49E-05	8.06E-03	2.83E-03	1.67E-01	1.90E-01	5.76E-01	7.35E-01	9.66E-02	1.60E+00
3146	486863.09	3846377.25	0.88559	0.73794	3.7029	1.25345	1.45E-01	5.72E-01	7.18E-01	9.23E-02	1.53E+00	1.43E-01	2.48E-05	7.87E-03	2.70E-03	1.53E-01	1.73E-01	5.72E-01	7.18E-01	9.23E-02	1.56E+00
3147	487363.09	3846377.25	0.74309	0.58882	3.5183	1.28408	1.22E-01	4.57E-01	6.82E-01	9.45E-02	1.36E+00	1.20E-01	1.98E-05	7.48E-03	2.76E-03	1.30E-01	1.45E-01	4.57E-01	6.82E-01	9.45E-02	1.38E+00
3148	487863.09	3846377.25	0.63224	0.48291	4.184	1.36656	1.03E-01	3.75E-01	8.11E-01	1.01E-01	1.39E+00	1.02E-01	1.62E-05	8.90E-03	2.94E-03	1.14E-01	1.24E-01	3.75E-01	8.11E-01	1.01E-01	1.41E+00
3149	488363.09	3846377.25	0.61898	0.42887	5.6981	1.36906	1.01E-01	3.33E-01	1.10E+00	1.01E-01	1.64E+00	9.97E-02	1.44E-05	1.21E-02	2.95E-03	1.15E-01	1.21E-01	3.33E-01	1.10E+00	1.01E-01	1.66E+00
3150	488863.09	3846377.25	0.60772	0.45959	6.9714	1.37758	9.94E-02	3.57E-01	1.35E+00	1.01E-01	1.91E+00	9.79E-02	1.54E-05	1.48E-02	2.97E-03	1.16E-01	1.19E-01	3.57E-01	1.35E+00	1.01E-01	1.93E+00
3151	489363.09	3846377.25	0.60641	0.42221	7.3233	1.38147	9.92E-02	3.28E-01	1.42E+00	1.02E-01	1.95E+00	9.77E-02	1.42E-05	1.56E-02	2.97E-03	1.16E-01	1.19E-01	3.28E-01	1.42E+00	1.02E-01	1.97E+00
3152	489863.09	3846377.25	0.60211	0.34218	6.041	1.22946	9.85E-02	2.65E-01	1.17E+00	9.05E-02	1.63E+00	9.70E-02	1.15E-05	1.28E-02	2.65E-03	1.13E-01	1.18E-01	2.65E-01	1.17E+00	9.05E-02	1.65E+00
3153	490363.09	3846377.25	0.47648	0.3719	3.9145	0.97485	7.79E-02	2.88E-01	7.59E-01	7.18E-02	1.20E+00	7.68E-02	1.25E-05	8.32E-03	2.10E-03	8.72E-02	9.32E-02	2.88E-01	7.59E-01	7.18E-02	1.21E+00
3154	490863.09	3846377.25	0.52462	0.43627	3.6578	0.97329	8.58E-02	3.38E-01	7.09E-01	7.17E-02	1.21E+00	8.45E-02	1.47E-05	7.78E-03	2.10E-03	9.44E-02	1.03E-01	3.38E-01	7.09E-01	7.17E-02	1.22E+00
3155	491363.09	3846377.25	0.65817	0.48946	3.7955	0.96618	1.08E-01	3.80E-01	7.36E-01	7.11E-02	1.29E+00	1.06E-01	1.64E-05	8.07E-03	2.08E-03	1.16E-01	1.29E-01	3.80E-01	7.36E-01	7.11E-02	1.32E+00
3156	491863.09	3846377.25	1.06265	0.54648	4.1877	1.10763	1.74E-01	4.24E-01	8.12E-01	8.15E-02	1.49E+00	1.71E-01	1.84E-05	8.90E-03	2.38E-03	1.83E-01	2.08E-01	4.24E-01	8.12E-01	8.15E-02	1.53E+00
3157	492363.09	3846377.25	1.22679	0.55325	3.7087	1.05396	2.01E-01	4.29E-01	7.19E-01	7.76E-02	1.43E+00	1.98E-01	1.86E-05	7.89E-03	2.27E-03	2.08E-01	2.40E-01	4.29E-01	7.19E-01	7.76E-02	1.47E+00
3158	492863.09	3846377.25	1.26298	0.46392	3.4012	0.96488	2.07E-01	3.60E-01	6.60E-01	7.10E-02	1.30E+00	2.04E-01	1.56E-05	7.23E-03	2.08E-03	2.13E-01	2.47E-01	3.60E-01	6.60E-01	7.10E-02	1.34E+00
3159	493363.09	3846377.25	1.24351	0.40368	3.5408	0.88617	2.03E-01	3.13E-01	6.87E-01	6.52E-02	1.27E+00	2.00E-01	1.36E-05	7.53E-03	1.91E-03	2.10E-01	2.43E-01	3.13E-01	6.87E-01	6.52E-02	1.31E+00
3160	493863.09	3846377.25	1.21666	0.36764	3.3002	0.8965	1.99E-01	2.85E-01	6.40E-01	6.60E-02	1.19E+00	1.96E-01	1.23E-05	7.02E-03	1.93E-03	2.05E-01	2.38E-01	2.85E-01	6.40E-01	6.60E-02	1.23E+00
3161	494363.09	3846377.25	1.13609	0.34865	3.238	0.90386	1.86E-01	2.70E-01	6.28E-01	6.65E-02	1.15E+00	1.83E-01	1.17E-05	6.88E-03	1.95E-03	1.92E-01	2.22E-01	2.70E-01	6.28E-01	6.65E-02	1.19E+00
3162	494863.09	3846377.25	0.96459	0.36268	3.7279	0.90381	1.58E-01	2.81E-01	7.23E-01	6.65E-02	1.23E+00	1.55E-01	1.22E-05	7.93E-03	1.95E-03	1.65E-01	1.89E-01	2.81E-01	7.23E-01	6.65E-02	1.26E+00
3163	495363.09	3846377.25	0.77842	0.42955	3.7899	0.92516	1.27E-01	3.33E-01	7.35E-01	6.81E-02	1.26E+00	1.25E-01	1.44E-05	8.06E-03	1.99E-03	1.35E-01	1.52E-01	3.33E-01	7.35E-01	6.81E-02	1.29E+00
3164	495863.09	3846377.25	0.63284	0.52874	4.0753	0.93137	1.04E-01	4.10E-01	7.90E-01	6.86E-02	1.37E+00	1.02E-01	1.78E-05	8.66E-03	2.01E-03	1.13E-01	1.24E-01	4.10E-01	7.90E-01	6.86E-02	1.39E+00
3165	496363.09	3846377.25	0.62124	0.59393	4.6294	1.01182	1.02E-01	4.61E-01	8.98E-01	7.45E-02	1.53E+00	1.00E-01	2.00E-05	9.84E-03	2.18E-03	1.12E-01	1.22E-01	4.61E-01	8.98E-01	7.45E-02	1.55E+00
3166	496863.09	3846377.25	0.69074	0.60087	5.3366	1.11021	1.13E-01	4.66E-01	1.03E+00	8.17E-02	1.70E+00	1.11E-01	2.02E-05	1.13E-02	2.39E-03	1.25E-01	1.35E-01	4.66E-01	1.03E+00	8.17E-02	1.72E+00
3167	497363.09	3846377.25	0.71031	0.60423	5.6356	1.17364	1.16E-01	4.69E-01	1.09E+00	8.64E-02	1.76E+00	1.14E-01	2.03E-05	1.20E-02	2.53E-03	1.29E-01	1.39E-01	4.69E-01	1.09E+00	8.64E-02	1.79E+00
3168	497863.09	3846377.25	0.73818	0.6409	5.3494	1.19731	1.21E-01	4.97E-01	1.04E+00	8.82E-02	1.74E+00	1.19E-01	2.15E-05	1.14E-02	2.58E-03	1.33E-01	1.44E-01	4.97E-01	1.04E+00	8.82E-02	1.77E+00

3169	498363.09	3846377.25	0.74282	0.67876	4.836	1.18525	1.21E-01	5.27E-01	9.38E-01	8.73E-02	1.67E+00	1.20E-01	2.28E-05	1.03E-02	2.55E-03	1.33E-01	1.45E-01	5.27E-01	9.38E-01	8.73E-02	1.70E+00
3170	471363.09	3846877.25	7.3352	3.32947	2.707	1.5425	1.20E+00	2.58E+00	5.25E-01	1.14E-01	4.42E+00	1.18E+00	1.12E-04	5.76E-03	3.32E-03	1.19E+00	1.44E+00	2.58E+00	5.25E-01	1.14E-01	4.66E+00
3171	471863.09	3846877.25	5.97702	3.41861	2.5929	1.66911	9.78E-01	2.65E+00	5.03E-01	1.23E-01	4.26E+00	9.63E-01	1.15E-04	5.51E-03	3.59E-03	9.72E-01	1.17E+00	2.65E+00	5.03E-01	1.23E-01	4.45E+00
3172	472363.09	3846877.25	5.86372	2.88508	2.4938	1.79909	9.59E-01	2.24E+00	4.84E-01	1.32E-01	3.81E+00	9.45E-01	9.69E-05	5.30E-03	3.87E-03	9.54E-01	1.15E+00	2.24E+00	4.84E-01	1.32E-01	4.00E+00
3173	472863.09	3846877.25	3.48534	1.69971	2.6026	1.84963	5.70E-01	1.32E+00	5.05E-01	1.36E-01	2.53E+00	5.62E-01	5.71E-05	5.53E-03	3.98E-03	5.71E-01	6.82E-01	1.32E+00	5.05E-01	1.36E-01	2.64E+00
3174	473363.09	3846877.25	3.85656	1.81024	2.8327	1.82936	6.31E-01	1.40E+00	5.49E-01	1.35E-01	2.72E+00	6.21E-01	6.08E-05	6.02E-03	3.94E-03	6.31E-01	7.55E-01	1.40E+00	5.49E-01	1.35E-01	2.84E+00
3175	473863.09	3846877.25	5.55587	1.68141	3.2429	1.80632	9.09E-01	1.30E+00	6.29E-01	1.33E-01	2.97E+00	8.95E-01	5.65E-05	6.89E-03	3.89E-03	9.06E-01	1.09E+00	1.30E+00	6.29E-01	1.33E-01	3.15E+00
3176	474363.09	3846877.25	4.83845	1.61616	3.6181	1.702	7.91E-01	1.25E+00	7.02E-01	1.25E-01	2.87E+00	7.80E-01	5.43E-05	7.69E-03	3.66E-03	7.91E-01	9.47E-01	1.25E+00	7.02E-01	1.25E-01	3.03E+00
3177	474863.09	3846877.25	4.67109	1.93007	3.8587	1.5195	7.64E-01	1.50E+00	7.48E-01	1.12E-01	3.12E+00	7.53E-01	6.48E-05	8.20E-03	3.27E-03	7.64E-01	9.14E-01	1.50E+00	7.48E-01	1.12E-01	3.27E+00
3178	475363.09	3846877.25	5.46714	1.98594	3.9157	1.33501	8.94E-01	1.54E+00	7.59E-01	9.83E-02	3.29E+00	8.81E-01	6.67E-05	8.33E-03	2.87E-03	8.92E-01	1.07E+00	1.54E+00	7.59E-01	9.83E-02	3.47E+00
3179	475863.09	3846877.25	7.35955	2.17735	3.7718	2.00517	1.20E+00	1.69E+00	7.31E-01	1.48E-01	3.77E+00	1.19E+00	7.31E-05	8.02E-03	4.32E-03	1.20E+00	1.44E+00	1.69E+00	7.31E-01	1.48E-01	4.01E+00
3180	476363.09	3846877.25	9.41912	2.07782	3.45	2.55839	1.54E+00	1.61E+00	6.69E-01	1.88E-01	4.01E+00	1.52E+00	6.98E-05	7.34E-03	5.51E-03	1.53E+00	1.84E+00	1.61E+00	6.69E-01	1.88E-01	4.31E+00
3181	476863.09	3846877.25	8.55069	1.8147	3.0095	2.36585	1.40E+00	1.41E+00	5.84E-01	1.74E-01	3.56E+00	1.38E+00	6.10E-05	6.40E-03	5.09E-03	1.39E+00	1.67E+00	1.41E+00	5.84E-01	1.74E-01	3.84E+00
3182	477363.09	3846877.25	8.26971	1.36024	2.5704	2.0536	1.35E+00	1.06E+00	4.98E-01	1.51E-01	3.06E+00	1.33E+00	4.57E-05	5.47E-03	4.42E-03	1.34E+00	1.62E+00	1.06E+00	4.98E-01	1.51E-01	3.32E+00
3183	477863.09	3846877.25	6.20024	1.25448	3.6939	1.78913	1.01E+00	9.73E-01	7.16E-01	1.32E-01	2.84E+00	9.99E-01	4.21E-05	7.85E-03	3.85E-03	1.01E+00	1.21E+00	9.73E-01	7.16E-01	1.32E-01	3.03E+00
3184	478363.09	3846877.25	5.13289	1.14807	5.8952	1.81738	8.40E-01	8.91E-01	1.14E+00	1.34E-01	3.01E+00	8.27E-01	3.86E-05	1.25E-02	3.91E-03	8.44E-01	1.00E+00	8.91E-01	1.14E+00	1.34E-01	3.17E+00
3185	478863.09	3846877.25	5.79624	1.02925	6.8386	1.75088	9.48E-01	7.98E-01	1.33E+00	1.29E-01	3.20E+00	9.34E-01	3.46E-05	1.45E-02	3.77E-03	9.52E-01	1.13E+00	7.98E-01	1.33E+00	1.29E-01	3.39E+00
3186	479363.09	3846877.25	5.09275	0.91292	4.8552	1.51412	8.33E-01	7.08E-01	9.41E-01	1.11E-01	2.59E+00	8.21E-01	3.07E-05	1.03E-02	3.26E-03	8.34E-01	9.97E-01	7.08E-01	9.41E-01	1.11E-01	2.76E+00
3187	479863.09	3846877.25	3.28058	0.69914	3.464	1.43983	5.37E-01	5.42E-01	6.72E-01	1.06E-01	1.86E+00	5.29E-01	2.35E-05	7.36E-03	3.10E-03	5.39E-01	6.42E-01	5.42E-01	6.72E-01	1.06E-01	1.96E+00
3188	480363.09	3846877.25	1.7221	0.76212	3.1053	1.53437	2.82E-01	5.91E-01	6.02E-01	1.13E-01	1.59E+00	2.77E-01	2.56E-05	6.60E-03	3.30E-03	2.87E-01	3.37E-01	5.91E-01	6.02E-01	1.13E-01	1.64E+00
3189	480863.09	3846877.25	1.70138	0.68961	2.7338	1.65181	2.78E-01	5.35E-01	5.30E-01	1.22E-01	1.46E+00	2.74E-01	2.32E-05	5.81E-03	3.56E-03	2.84E-01	3.33E-01	5.35E-01	5.30E-01	1.22E-01	1.52E+00
3190	481363.09	3846877.25	1.45714	0.59697	3.3355	1.79367	2.38E-01	4.63E-01	6.47E-01	1.32E-01	1.48E+00	2.35E-01	2.01E-05	7.09E-03	3.86E-03	2.46E-01	2.85E-01	4.63E-01	6.47E-01	1.32E-01	1.53E+00
3191	481863.09	3846877.25	1.34752	0.66525	4.0154	1.67507	2.20E-01	5.16E-01	7.79E-01	1.23E-01	1.64E+00	2.17E-01	2.23E-05	8.54E-03	3.61E-03	2.29E-01	2.64E-01	5.16E-01	7.79E-01	1.23E-01	1.68E+00
3192	482363.09	3846877.25	1.52545	0.81603	4.4328	1.40245	2.50E-01	6.33E-01	8.60E-01	1.03E-01	1.85E+00	2.46E-01	2.74E-05	9.42E-03	3.02E-03	2.58E-01	2.99E-01	6.33E-01	8.60E-01	1.03E-01	1.89E+00
3193	482863.09	3846877.25	1.72281	0.83212	4.3657	1.35633	2.82E-01	6.45E-01	8.47E-01	9.99E-02	1.87E+00	2.78E-01	2.80E-05	9.28E-03	2.92E-03	2.90E-01	3.37E-01	6.46E-01	8.47E-01	9.99E-02	1.93E+00
3194	483363.09	3846877.25	1.4833	0.77122	4.3816	1.37861	2.43E-01	5.98E-01	8.50E-01	1.01E-01	1.79E+00	2.39E-01	2.59E-05	9.32E-03	2.97E-03	2.51E-01	2.90E-01	5.98E-01	8.50E-01	1.01E-01	1.84E+00
3195	483863.09	3846877.25	1.55139	0.69806	5.3788	1.50114	2.54E-01	5.41E-01	1.04E+00	1.11E-01	1.95E+00	2.50E-01	2.34E-05	1.14E-02	3.23E-03	2.65E-01	3.04E-01	5.42E-01	1.04E+00	1.11E-01	2.00E+00
3196	484363.09	3846877.25	1.48671	0.63019	6.0967	1.62285	2.43E-01	4.89E-01	1.18E+00	1.19E-01	2.03E+00	2.40E-01	2.12E-05	1.30E-02	3.49E-03	2.56E-01	2.91E-01	4.89E-01	1.18E+00	1.19E-01	2.08E+00
3197	484863.09	3846877.25	1.52743	0.71605	6.1534	1.6777	2.50E-01	5.55E-01	1.19E+00	1.24E-01	2.12E+00	2.46E-01	2.41E-05	1.31E-02	3.61E-03	2.63E-01	2.99E-01	5.55E-01	1.19E+00	1.24E-01	2.17E+00
3198	485363.09	3846877.25	1.68759	0.73526	5.1577	1.59862	2.76E-01	5.70E-01	1.00E+00	1.18E-01	1.96E+00	2.72E-01	2.47E-05	1.10E-02	3.44E-03	2.86E-01	3.30E-01	5.70E-01	1.00E+00	1.18E-01	2.02E+00
3199	485863.09	3846877.25	1.3782	0.67016	3.9876	1.43338	2.25E-01	5.20E-01	7.73E-01	1.06E-01	1.62E+00	2.22E-01	2.25E-05	8.48E-03	3.09E-03	2.34E-01	2.70E-01	5.20E-01	7.73E-01	1.06E-01	1.67E+00
3200	486363.09	3846877.25	1.23205	0.74982	4.0647	1.33978	2.02E-01	5.82E-01	7.88E-01	9.86E-02	1.67E+00	1.99E-01	2.52E-05	8.64E-03	2.88E-03	2.10E-01	2.41E-01	5.82E-01	7.88E-01	9.86E-02	1.71E+00
3201	486863.09	3846877.25	1.10961	0.76877	4.0334	1.33468	1.81E-01	5.96E-01	7.82E-01	9.83E-02	1.66E+00	1.79E-01	2.58E-05	8.58E-03	2.87E-03	1.90E-01	2.17E-01	5.96E-01	7.82E-01	9.83E-02	1.69E+00
3202	487363.09	3846877.25	0.86163	0.62203	3.6551	1.36079	1.41E-01	4.83E-01	7.09E-01	1.00E-01	1.43E+00	1.39E-01	2.09E-05	7.77E-03	2.93E-03	1.50E-01	1.69E-01	4.83E-01	7.09E-01	1.00E-01	1.46E+00
3203	487863.09	3846877.25	0.66232	0.47855	4.6915	1.37712	1.08E-01	3.71E-01	9.10E-01	1.01E-01	1.49E+00	1.07E-01	1.61E-05	9.97E-03	2.96E-03	1.20E-01	1.30E-01	3.71E-01	9.10E-01	1.01E-01	1.51E+00
3204	488363.09	3846877.25	0.63045	0.43354	5.9692	1.38584	1.03E-01	3.36E-01	1.16E+00	1.02E-01	1.70E+00	1.02E-01	1.46E-05	1.27E-02	2.98E-03	1.17E-01	1.23E-01	3.36E-01	1.16E+00	1.02E-01	1.72E+00
3205	488863.09	3846877.25	0.62872	0.47224	7.2916	1.43985	1.03E-01	3.66E-01	1.41E+00	1.06E-01	1.99E+00	1.01E-01	1.59E-05	1.55E-02	3.10E-03	1.20E-01	1.23E-01	3.66E-01	1.41E+00	1.06E-01	2.01E+00
3206	489363.09	3846877.25	0.65435	0.45801	7.6017	1.4554	1.07E-01	3.55E-01	1.47E+00	1.07E-01	2.04E+00	1.05E-01	1.54E-05	1.62E-02	3.13E-03	1.25E-01	1.28E-01	3.55E-01	1.47E+00	1.07E-01	2.06E+00
3207	489863.09	3846877.25	0.6047	0.3893	7.0912	1.32884	9.89E-02	3.02E-01	1.38E+00	9.78E-02	1.87E+00	9.74E-02	1.31E-05	1.51E-02	2.86E-03	1.15E-01	1.18E-01	3.02E-01	1.38E+00	9.78E-02	1.89E+00
3208	490363.09	3846877.25	0.51241	0.44222	4.8918	1.11838	8.38E-02	3.43E-01	9.49E-01	8.23E-02	1.46E+00	8.26E-02	1.49E-05	1.04E-02	2.41E-03	9.54E-02	1.00E-01	3.43E-01	9.49E-01	8.23E-02	1.47E+00
3209	490863.09	3846877.25	0.64162	0.51677	4.126	1.07763	1.05E-01	4.01E-01	8.00E-01	7.93E-02	1.39E+00	1.03E-01	1.74E-05	8.77E-03	2.32E-03	1.14E-01	1.26E-01	4.01E-01	8.00E-01	7.93E-02	1.41E+00
3210	491363.09	3846877.25	1.01114	0.54568	4.2897	1.10556	1.65E-01	4.23E-01	8.32E-01	8.14E-02	1.50E+00	1.63E-01	1.83E-05	9.12E-03	2.38E-03	1.74E-01	1.98E-01	4.23E-01	8.32E-01	8.14E-02	1.53E+00
3211	491863.09	3846877.25	1.2143	0.54123	4.09	1.0745	1.99E-01	4.20E-01	7.93E-01	7.91E-02	1.49E+00	1.96E-01	1.82E-05	8.70E-03	2.31E-03	2.07E-01	2.38E-01	4.20E-01	7.93E-01	7.91E-02	1.53E+00
3212	492363.09	3846877.25	1.26923	0.51636	3.8038	1.11419	2.08E-01	4.01E-01	7.38E-01	8.20E-02	1.43E+00	2.05E-01	1.73E-05	8.09E-03	2.40E-03	2.15E-01	2.48E-01	4.01E-01	7.38E-01	8.20E-02	1.47E+00
3213	492863.09	3846877.25	1.25849	0.41389	3.6331	0.95568	2.06E-01	3.21E-01	7.04E-01	7.04E-02	1.30E+00	2.03E-01	1.39E-05	7.72E-03	2.06E-03	2.13E-01	2.46E-01	3.21E-01	7.04E-01	7.04E-02	1.34E+00
3214	493363.09	3846877.25	1.24103	0.37316	3.7085	0.91933	2.03E-01	2.89E-01	7.19E-01	6.77E-02	1.28E+00	2.00E-01	1.25E-05	7.88E-03	1.98E-03	2.10E-01	2.43E-01	2.89E-01	7.19E-01	6.77E-02	1.32E+00
3215	493863.09	3846877.25	1.17572	0.34693	3.5495	0.91042	1.92E-01	2.69E-01	6.88E-01	6.70E-02	1.22E+00	1.89E-01	1.17E-05	7.55E-03	1.96E-03	1.99E-01	2.30E-01	2.69E-01	6.88E-01	6.70E-02	1.25E+00
3216	494363.09	3846877.25	1.01869	0.35042	3.6395	0.91084	1.67E-01	2.72E-01	7.06E-01	6.71E-02	1.21E+00	1.64E-01	1.18E-05	7.74E-03	1.96E-03	1.74E-01	1.99E-01	2.72E-01	7.06E-01	6.71E-02	1.24E+00
3217	494863.09	3846877.25	0.82688	0.40506	3.9554	0.92747	1.35E-01	3.14E-01	7.67E-01	6.83E-02	1.28E+00	1.33E-01	1.36E-05	8.41E-03	2.00E-03	1.44E-01	1.62E-01	3.14E-01	7.67E-01	6.83E-02	1.31E+00
3218	495363.09	3846877.25	0.64479	0.50696	4.1656	0.93933	1.05E-01	3.93E-01	8.08E-01	6.92E-02	1.38E+00	1.04E-01	1.70E-05	8.86E-03	2.02E-03	1.15E-01	1.26E-01	3.93E-01	8.08E-01	6.92E-02	1.40E+00
3219	495863.09	3846877.25	0.65737	0.58709	4.5095	0.99256	1.08E-01	4.55E-01	8.74E-01	7.31E-02	1.51E+00	1.06E-01	1.97E-05	9.59E-03	2.14E-03	1.18E-01	1.29E-01	4.55E-01	8.74E-01	7.31E-02	1.53E+00
3220	496363.09	3846877.25	0.71227	0.60671	5.4121	1.06976	1.16E-01	4.71E-01	1.05E+00	7.88E-02	1.72E+00	1.15E-01	2.04E-05	1.15E-02	2.30E-03	1.29E-01	1.39E-01	4.71E-01	1.05E+00	7.88E-02	1.74E+00
3221	496863.09	3846877.25	0.73292	0.58848	5.5975	1.20352	1.20E-01	4.56E-01	1.09E+00	8.86E-02	1.75E+00	1.18E-01	1.98E-05	1.19E-02	2.59E-03	1.33E-01	1.43E-01	4.57E-01	1.09E+00	8.86E-02	1.77E+00
3222	497363.09	3846877.25	0.75272	0.63476	5.6237	1.22599	1.23E-01	4.92E-01	1.09E+00	9.03E-02	1.80E+00	1.21E-01	2.13E-05	1.20E-02	2.64E-03	1.36E-01	1.47E-01	4.92E-01	1.09E+00	9.03E-02	1.82E+00
3223	497863.09	3846877.25	0.80441	0.68627	5.8409	1.20476	1.32E-01	5.32E-01	1.13E+00	8.87E-02	1.89E+00	1.30E-01	2.31E-05	1.24E-02	2.59E-03	1.45E-01	1.57E-01	5.32E-01	1.13E+00	8.87E-02	1.91E+00
3224	498363.09	3846877.25	0.76042	0.65236	5.579	1.12889	1.24E-01	5.06E-01	1.08E+00	8.31E-02	1.80E+00	1.23E-01	2.19E-05	1.19E-02	2.43E-03	1.37E-01	1.49E-01	5.06E-01	1.08E+00	8.31E-02	1.82E+00
3225	471363.09	3847377.25	6.65332	3.44124	2.9258	1.52898	1.09E+00	2.67E+00	5.67E-01	1.13E-01	4.44E+00	1.07E+00	1.16E-04	6.22E-03	3.29E-03	1.08E+00	1.30E+00	2.67E+00	5.67E-01	1.13E-01	4.65E+00
3226	471863.09	3847377.25	7.58608	3.47489	2.8802	1.59546	1.24E+00	2.70E+00	5.58E-01	1.17E-01	4.61E+00	1.22E+00	1.17E-04	6.12E-03	3.43E-03	1.23E+00	1.48E+00	2.70E+00	5.58E-01	1.17E-01	4.86E+00
3227	472363.09	3847377.25	7.26299	3.79167	2.7739	1.69037	1.19E+00	2.94E+00	5.38E-01	1.24E-01	4.79E+00	1.17E+00	1.27E-04	5.90E-03	3.64E-03	1.18E+00	1.42E+00	2.94E+00	5.38E-01	1.24E-01	5.02E+00
3228	472863.09	3847377.25	5.59576	3.06936	2.6524	1.84763	9.15E-01	2.38E+00	5.14E-01	1.36E-01	3.95E+00	9.02E-01	1.03E-04	5.64E-03	3.98E-03	9.11E-01	1.09E+00	2.38E+00	5.14E-01	1.36E-01	4.13E+00
3229	473363.09	3847377.25	5.9788	2.3143	2.6683	1.92582	9.78E-01	1.80E+00	5.17E-01	1.42E-01	3.43E+00	9.63E-01	7.77E-05	5.67E-03	4.15E-03	9.73E-01	1.17E+00	1.80E+00	5.17E-01	1.42E-01	3.62E+00

3230	473863.09	3847377.25	4.96602	2.26602	2.8968	1.91876	8.12E-01	1.76E+00	5.62E-01	1.41E-01	3.27E+00	8.00E-01	7.61E-05	6.16E-03	4.13E-03	8.11E-01	9.72E-01	1.76E+00	5.62E-01	1.41E-01	3.43E+00
3231	474363.09	3847377.25	6.28051	2.15998	3.2632	1.88862	1.03E+00	1.68E+00	6.33E-01	1.39E-01	3.47E+00	1.01E+00	7.26E-05	6.94E-03	4.07E-03	1.02E+00	1.23E+00	1.68E+00	6.33E-01	1.39E-01	3.68E+00
3232	474863.09	3847377.25	5.23916	1.8541	3.6903	1.7861	8.57E-01	1.44E+00	7.16E-01	1.32E-01	3.14E+00	8.44E-01	6.23E-05	7.85E-03	3.85E-03	8.56E-01	1.03E+00	1.44E+00	7.16E-01	1.32E-01	3.31E+00
3233	475363.09	3847377.25	4.95104	1.96849	3.9835	1.59339	8.10E-01	1.53E+00	7.72E-01	1.17E-01	3.23E+00	7.98E-01	6.61E-05	8.47E-03	3.43E-03	8.10E-01	9.69E-01	1.53E+00	7.72E-01	1.17E-01	3.39E+00
3234	475863.09	3847377.25	6.42338	2.37132	4.0822	1.56575	1.05E+00	1.84E+00	7.92E-01	1.15E-01	3.80E+00	1.04E+00	7.97E-05	8.68E-03	3.37E-03	1.05E+00	1.26E+00	1.84E+00	7.92E-01	1.15E-01	4.00E+00
3235	476363.09	3847377.25	8.82463	2.83638	3.9575	2.44298	1.44E+00	2.20E+00	7.67E-01	1.80E-01	4.59E+00	1.42E+00	9.53E-05	8.41E-03	5.26E-03	1.44E+00	1.73E+00	2.20E+00	7.67E-01	1.80E-01	4.87E+00
3236	476863.09	3847377.25	10.4228	2.27304	3.6281	2.79499	1.70E+00	1.76E+00	7.04E-01	2.06E-01	4.38E+00	1.68E+00	7.64E-05	7.71E-03	6.02E-03	1.69E+00	2.04E+00	1.76E+00	7.04E-01	2.06E-01	4.71E+00
3237	477363.09	3847377.25	9.55642	2.01699	3.1597	2.58044	1.56E+00	1.56E+00	6.13E-01	1.90E-01	3.93E+00	1.54E+00	6.78E-05	6.72E-03	5.56E-03	1.55E+00	1.87E+00	1.56E+00	6.13E-01	1.90E-01	4.24E+00
3238	477863.09	3847377.25	9.39865	1.81521	2.7034	2.15773	1.54E+00	1.41E+00	5.24E-01	1.59E-01	3.63E+00	1.51E+00	6.10E-05	5.75E-03	4.65E-03	1.52E+00	1.84E+00	1.41E+00	5.24E-01	1.59E-01	3.93E+00
3239	478363.09	3847377.25	7.29328	1.79873	4.4421	2.2736	1.19E+00	1.40E+00	8.61E-01	1.67E-01	3.62E+00	1.18E+00	6.04E-05	9.44E-03	4.89E-03	1.19E+00	1.43E+00	1.40E+00	8.61E-01	1.67E-01	3.85E+00
3240	478863.09	3847377.25	5.75661	1.69389	9.4007	3.29808	9.42E-01	1.31E+00	1.82E+00	2.43E-01	4.32E+00	9.28E-01	5.69E-05	2.00E-02	7.10E-03	9.55E-01	1.13E+00	1.31E+00	1.82E+00	2.43E-01	4.51E+00
3241	479363.09	3847377.25	5.3942	0.9529	7.6779	1.84018	8.82E-01	7.39E-01	1.49E+00	1.35E-01	3.25E+00	8.69E-01	3.20E-05	1.63E-02	3.96E-03	8.89E-01	1.06E+00	7.39E-01	1.49E+00	1.35E-01	3.42E+00
3242	479863.09	3847377.25	3.22464	0.79471	3.9095	1.46321	5.27E-01	6.16E-01	7.58E-01	1.08E-01	2.01E+00	5.20E-01	2.67E-05	8.31E-03	3.15E-03	5.31E-01	6.31E-01	6.16E-01	7.58E-01	1.08E-01	2.11E+00
3243	480363.09	3847377.25	1.48667	0.68958	3.5026	1.52311	2.43E-01	5.35E-01	6.79E-01	1.12E-01	1.57E+00	2.40E-01	2.32E-05	7.45E-03	3.28E-03	2.50E-01	2.91E-01	5.35E-01	6.79E-01	1.12E-01	1.62E+00
3244	480863.09	3847377.25	1.28861	0.67139	3.0608	1.66701	2.11E-01	5.21E-01	5.94E-01	1.23E-01	1.45E+00	2.08E-01	2.26E-05	6.51E-03	3.59E-03	2.18E-01	2.52E-01	5.21E-01	5.94E-01	1.23E-01	1.49E+00
3245	481363.09	3847377.25	1.35077	0.60159	3.0396	1.74238	2.21E-01	4.67E-01	5.89E-01	1.28E-01	1.41E+00	2.18E-01	2.02E-05	6.46E-03	3.75E-03	2.28E-01	2.64E-01	4.67E-01	5.89E-01	1.28E-01	1.45E+00
3246	481863.09	3847377.25	1.36129	0.67476	3.7932	1.76969	2.23E-01	5.23E-01	7.36E-01	1.30E-01	1.61E+00	2.19E-01	2.27E-05	8.06E-03	3.81E-03	2.31E-01	2.66E-01	5.23E-01	7.36E-01	1.30E-01	1.66E+00
3247	482363.09	3847377.25	1.57888	0.82692	4.4422	1.52	2.58E-01	6.41E-01	8.61E-01	1.12E-01	1.87E+00	2.54E-01	2.78E-05	9.44E-03	3.27E-03	2.67E-01	3.09E-01	6.41E-01	8.61E-01	1.12E-01	1.92E+00
3248	482863.09	3847377.25	1.76334	0.82246	4.6546	1.38324	2.88E-01	6.38E-01	9.03E-01	1.02E-01	1.93E+00	2.84E-01	2.76E-05	9.90E-03	2.98E-03	2.97E-01	3.45E-01	6.38E-01	9.03E-01	1.02E-01	1.99E+00
3249	483363.09	3847377.25	1.61312	0.77783	4.5092	1.38204	2.64E-01	6.03E-01	8.74E-01	1.02E-01	1.84E+00	2.60E-01	2.61E-05	9.59E-03	2.98E-03	2.73E-01	3.16E-01	6.03E-01	8.74E-01	1.02E-01	1.90E+00
3250	483863.09	3847377.25	1.67626	0.72736	5.1857	1.52091	2.74E-01	5.64E-01	1.01E+00	1.12E-01	1.96E+00	2.70E-01	2.44E-05	1.10E-02	3.27E-03	2.84E-01	3.28E-01	5.64E-01	1.01E+00	1.12E-01	2.01E+00
3251	484363.09	3847377.25	1.63082	0.65853	6.8052	1.69913	2.67E-01	5.11E-01	1.32E+00	1.25E-01	2.22E+00	2.63E-01	2.21E-05	1.45E-02	3.66E-03	2.81E-01	3.19E-01	5.11E-01	1.32E+00	1.25E-01	2.27E+00
3252	484863.09	3847377.25	1.58579	0.69199	7.1562	1.74217	2.59E-01	5.37E-01	1.39E+00	1.28E-01	2.31E+00	2.56E-01	2.32E-05	1.52E-02	3.75E-03	2.75E-01	3.10E-01	5.37E-01	1.39E+00	1.28E-01	2.36E+00
3253	485363.09	3847377.25	1.75942	0.73984	5.7078	1.62712	2.88E-01	5.74E-01	1.11E+00	1.20E-01	2.09E+00	2.83E-01	2.49E-05	1.21E-02	3.50E-03	2.99E-01	3.44E-01	5.74E-01	1.11E+00	1.20E-01	2.14E+00
3254	485863.09	3847377.25	1.45257	0.67202	5.0113	1.41865	2.38E-01	5.21E-01	9.72E-01	1.04E-01	1.84E+00	2.34E-01	2.26E-05	1.07E-02	3.05E-03	2.48E-01	2.84E-01	5.21E-01	9.72E-01	1.04E-01	1.88E+00
3255	486363.09	3847377.25	1.24957	0.77854	4.2272	1.45281	2.04E-01	6.04E-01	8.20E-01	1.07E-01	1.73E+00	2.01E-01	2.62E-05	8.99E-03	3.13E-03	2.13E-01	2.45E-01	6.04E-01	8.20E-01	1.07E-01	1.78E+00
3256	486863.09	3847377.25	1.15953	0.84682	4.3611	1.39196	1.90E-01	6.57E-01	8.46E-01	1.02E-01	1.79E+00	1.87E-01	2.84E-05	9.27E-03	3.00E-03	1.99E-01	2.27E-01	6.57E-01	8.46E-01	1.02E-01	1.83E+00
3257	487363.09	3847377.25	0.9983	0.73497	3.7969	1.42128	1.63E-01	5.70E-01	7.36E-01	1.05E-01	1.57E+00	1.61E-01	2.47E-05	8.07E-03	3.06E-03	1.72E-01	1.95E-01	5.70E-01	7.36E-01	1.05E-01	1.61E+00
3258	487863.09	3847377.25	0.77763	0.57491	4.8714	1.42995	1.27E-01	4.46E-01	9.45E-01	1.05E-01	1.62E+00	1.25E-01	1.93E-05	1.04E-02	3.08E-03	1.39E-01	1.52E-01	4.46E-01	9.45E-01	1.05E-01	1.65E+00
3259	488363.09	3847377.25	0.74738	0.44149	6.9052	1.40766	1.22E-01	3.42E-01	1.34E+00	1.04E-01	1.91E+00	1.20E-01	1.48E-05	1.47E-02	3.03E-03	1.38E-01	1.46E-01	3.42E-01	1.34E+00	1.04E-01	1.93E+00
3260	488863.09	3847377.25	0.67132	0.50514	8.4972	1.49483	1.10E-01	3.92E-01	1.65E+00	1.10E-01	2.26E+00	1.08E-01	1.70E-05	1.81E-02	3.22E-03	1.29E-01	1.31E-01	3.92E-01	1.65E+00	1.10E-01	2.28E+00
3261	489363.09	3847377.25	0.71019	0.50589	8.7857	1.4868	1.16E-01	3.92E-01	1.70E+00	1.09E-01	2.32E+00	1.14E-01	1.70E-05	1.87E-02	3.20E-03	1.36E-01	1.39E-01	3.92E-01	1.70E+00	1.09E-01	2.34E+00
3262	489863.09	3847377.25	0.58696	0.42307	7.1162	1.40616	9.60E-02	3.28E-01	1.38E+00	1.04E-01	1.91E+00	9.46E-02	1.42E-05	1.51E-02	3.03E-03	1.13E-01	1.15E-01	3.28E-01	1.38E+00	1.04E-01	1.93E+00
3263	490363.09	3847377.25	0.6109	0.4925	4.9843	1.21474	9.99E-02	3.82E-01	9.66E-01	8.94E-02	1.54E+00	9.84E-02	1.65E-05	1.06E-02	2.62E-03	1.12E-01	1.20E-01	3.82E-01	9.66E-01	8.94E-02	1.56E+00
3264	490863.09	3847377.25	0.94555	0.55983	4.9637	1.30426	1.55E-01	4.34E-01	9.62E-01	9.60E-02	1.65E+00	1.52E-01	1.88E-05	1.06E-02	2.81E-03	1.66E-01	1.85E-01	4.34E-01	9.62E-01	9.60E-02	1.68E+00
3265	491363.09	3847377.25	1.20003	0.54583	4.8042	1.2655	1.96E-01	4.23E-01	9.32E-01	9.32E-02	1.64E+00	1.93E-01	1.83E-05	1.02E-02	2.72E-03	2.06E-01	2.35E-01	4.23E-01	9.32E-01	9.32E-02	1.68E+00
3266	491863.09	3847377.25	1.3035	0.54288	5.0508	1.26673	2.13E-01	4.21E-01	9.79E-01	9.33E-02	1.71E+00	2.10E-01	1.82E-05	1.07E-02	2.73E-03	2.24E-01	2.55E-01	4.21E-01	9.79E-01	9.33E-02	1.75E+00
3267	492363.09	3847377.25	1.27125	0.459	4.3441	1.08823	2.08E-01	3.56E-01	8.42E-01	8.01E-02	1.49E+00	2.05E-01	1.54E-05	9.24E-03	2.34E-03	2.16E-01	2.49E-01	3.56E-01	8.42E-01	8.01E-02	1.53E+00
3268	492863.09	3847377.25	1.26308	0.38026	4.5587	0.98081	2.07E-01	2.95E-01	8.84E-01	7.22E-02	1.46E+00	2.04E-01	1.28E-05	9.69E-03	2.11E-03	2.15E-01	2.47E-01	2.95E-01	8.84E-01	7.22E-02	1.50E+00
3269	493363.09	3847377.25	1.21051	0.34734	4.0297	0.92489	1.98E-01	2.69E-01	7.81E-01	6.81E-02	1.32E+00	1.95E-01	1.17E-05	8.57E-03	1.99E-03	2.06E-01	2.37E-01	2.69E-01	7.81E-01	6.81E-02	1.36E+00
3270	493863.09	3847377.25	1.07273	0.34025	3.6311	0.91981	1.75E-01	2.64E-01	7.04E-01	6.77E-02	1.21E+00	1.73E-01	1.14E-05	7.72E-03	1.98E-03	1.83E-01	2.10E-01	2.64E-01	7.04E-01	6.77E-02	1.25E+00
3271	494363.09	3847377.25	0.87929	0.38339	4.0514	0.92614	1.44E-01	2.97E-01	7.86E-01	6.82E-02	1.29E+00	1.42E-01	1.29E-05	8.61E-03	1.99E-03	1.52E-01	1.72E-01	2.97E-01	7.86E-01	6.82E-02	1.32E+00
3272	494863.09	3847377.25	0.68608	0.48233	4.2469	0.91977	1.12E-01	3.74E-01	8.24E-01	6.77E-02	1.38E+00	1.11E-01	1.62E-05	9.03E-03	1.98E-03	1.22E-01	1.34E-01	3.74E-01	8.24E-01	6.77E-02	1.40E+00
3273	495363.09	3847377.25	0.69168	0.576	4.5654	0.97218	1.13E-01	4.47E-01	8.85E-01	7.16E-02	1.52E+00	1.11E-01	1.93E-05	9.71E-03	2.09E-03	1.23E-01	1.35E-01	4.47E-01	8.85E-01	7.16E-02	1.54E+00
3274	495863.09	3847377.25	0.72827	0.61145	5.4344	1.06952	1.19E-01	4.74E-01	1.05E+00	7.87E-02	1.73E+00	1.17E-01	2.05E-05	1.16E-02	2.30E-03	1.31E-01	1.43E-01	4.74E-01	1.05E+00	7.87E-02	1.75E+00
3275	496363.09	3847377.25	0.75361	0.59181	5.8191	1.14973	1.23E-01	4.59E-01	1.13E+00	8.46E-02	1.80E+00	1.21E-01	1.99E-05	1.24E-02	2.48E-03	1.36E-01	1.47E-01	4.59E-01	1.13E+00	8.46E-02	1.82E+00
3276	496863.09	3847377.25	0.76296	0.60048	5.4934	1.16917	1.25E-01	4.66E-01	1.07E+00	8.61E-02	1.74E+00	1.23E-01	2.02E-05	1.17E-02	2.52E-03	1.37E-01	1.49E-01	4.66E-01	1.07E+00	8.61E-02	1.77E+00
3277	497363.09	3847377.25	0.76423	0.66567	5.2475	1.21688	1.25E-01	5.16E-01	1.02E+00	8.96E-02	1.75E+00	1.23E-01	2.24E-05	1.12E-02	2.62E-03	1.37E-01	1.50E-01	5.16E-01	1.02E+00	8.96E-02	1.77E+00
3278	497863.09	3847377.25	0.78371	0.67884	5.7871	1.13188	1.28E-01	5.27E-01	1.12E+00	8.33E-02	1.86E+00	1.26E-01	2.28E-05	1.23E-02	2.44E-03	1.41E-01	1.53E-01	5.27E-01	1.12E+00	8.33E-02	1.89E+00
3279	498363.09	3847377.25	0.74308	0.54874	5.8243	1.02333	1.22E-01	4.26E-01	1.13E+00	7.53E-02	1.75E+00	1.20E-01	1.84E-05	1.24E-02	2.20E-03	1.34E-01	1.45E-01	4.26E-01	1.13E+00	7.53E-02	1.78E+00
3280	471363.09	3847877.25	6.80566	3.29022	3.3078	1.41947	1.11E+00	2.55E+00	6.41E-01	1.05E-01	4.41E+00	1.10E+00	1.11E-04	7.03E-03	3.06E-03	1.11E+00	1.33E+00	2.55E+00	6.41E-01	1.05E-01	4.63E+00
3281	471863.09	3847877.25	6.12439	3.77026	3.2074	1.55873	1.00E+00	2.92E+00	6.22E-01	1.15E-01	4.66E+00	9.87E-01	1.27E-04	6.82E-03	3.36E-03	9.97E-01	1.20E+00	2.92E+00	6.22E-01	1.15E-01	4.86E+00
3282	472363.09	3847877.25	7.62795	3.63723	3.0419	1.64457	1.25E+00	2.82E+00	5.90E-01	1.21E-01	4.78E+00	1.23E+00	1.22E-04	6.47E-03	3.54E-03	1.24E+00	1.49E+00	2.82E+00	5.90E-01	1.21E-01	5.03E+00
3283	472863.09	3847877.25	8.32206	4.02299	2.9641	1.73624	1.36E+00	3.12E+00	5.75E-01	1.28E-01	5.18E+00	1.34E+00	1.35E-04	6.30E-03	3.74E-03	1.35E+00	1.63E+00	3.12E+00	5.75E-01	1.28E-01	5.45E+00
3284	473363.09	3847877.25	6.84989	3.68587	2.8488	1.89313	1.12E+00	2.86E+00	5.52E-01	1.39E-01	4.67E+00	1.10E+00	1.24E-04	6.06E-03	4.08E-03	1.11E+00	1.34E+00	2.86E+00	5.52E-01	1.39E-01	4.89E+00
3285	473863.09	3847877.25	6.83698	3.41963	2.7657	2.00166	1.12E+00	2.65E+00	5.36E-01	1.47E-01	4.45E+00	1.10E+00	1.15E-04	5.88E-03	4.31E-03	1.11E+00	1.34E+00	2.65E+00	5.36E-01	1.47E-01	4.67E+00
3286	474363.09	3847877.25	6.30123	2.62644	2.9652	2.01207	1.03E+00	2.04E+00	5.75E-01	1.48E-01	3.79E+00	1.02E+00	8.82E-05	6.30E-03	4.33E-03	1.03E+00	1.23E+00	2.04E+00	5.75E-01	1.48E-01	3.99E+00
3287	474863.09	3847877.25	6.72949	2.61442	3.2715	1.97682	1.10E+00	2.03E+00	6.34E-01	1.46E-01	3.91E+00	1.08E+00	8.78E-05	6.96E-03	4.26E-03	1.10E+00	1.32E+00	2.03E+00	6.34E-01	1.46E-01	4.12E+00
3288	475363.09	3847877.25	6.67106	2.07779	3.7551	1.87764	1.09E+00	1.61E+00	7.28E-01	1.38E-01	3.57E+00	1.07E+00	6.98E-05	7.98E-03	4.04E-03	1.09E+00	1.31E+00	1.61E+00	7.28E-01	1.38E-01	3.78E+00
3289	475863.09	3847877.25	5.76517	2.11336	4.1082	1.674	9.43E-01	1.64E+00	7.97E-01	1.23E-01	3.50E+00	9.29E-01	7.10E-05	8.73E-03	3.60E-03	9.41E-01	1.13E+00	1.64E+00	7.97E-01	1.23E-01	3.69E+00
3290	476363.09	3847877.25	7.42258	3.08614	4.2568	1.84038	1.21E+00	2.39E+00	8.25E-01	1.35E-01	4.57E+00	1.20E+00	1.04E-04	9.05E-03	3.96E-03	1.21E+00	1.45E+00	2.39E+00	8.25E-01	1.35E-01	4.81E+00

3291	476863.09	3847877.25	9.70478	3.06879	4.1567	2.69735	1.59E+00	2.38E+00	8.06E-01	1.99E-01	4.97E+00	1.56E+00	1.03E-04	8.84E-03	5.81E-03	1.58E+00	1.90E+00	2.38E+00	8.06E-01	1.99E-01	5.28E+00
3292	477363.09	3847877.25	11.9057	2.62651	3.8225	3.06639	1.95E+00	2.04E+00	7.41E-01	2.26E-01	4.95E+00	1.92E+00	8.82E-05	8.13E-03	6.60E-03	1.93E+00	2.33E+00	2.04E+00	7.41E-01	2.26E-01	5.33E+00
3293	477863.09	3847877.25	10.5498	2.18295	3.3235	2.74406	1.73E+00	1.69E+00	6.44E-01	2.02E-01	4.27E+00	1.70E+00	7.33E-05	7.07E-03	5.91E-03	1.71E+00	2.06E+00	1.69E+00	6.44E-01	2.02E-01	4.60E+00
3294	478363.09	3847877.25	10.9266	1.94961	2.9296	2.53205	1.79E+00	1.51E+00	5.68E-01	1.86E-01	4.05E+00	1.76E+00	6.55E-05	6.23E-03	5.45E-03	1.77E+00	2.14E+00	1.51E+00	5.68E-01	1.86E-01	4.41E+00
3295	478863.09	3847877.25	8.10831	1.88821	6.2408	4.05592	1.33E+00	1.46E+00	1.21E+00	2.99E-01	4.30E+00	1.31E+00	6.34E-05	1.33E-02	8.73E-03	1.33E+00	1.59E+00	1.46E+00	1.21E+00	2.99E-01	4.56E+00
3296	479363.09	3847877.25	4.27965	1.03513	6.9799	2.00681	7.00E-01	8.03E-01	1.35E+00	1.48E-01	3.00E+00	6.90E-01	3.48E-05	1.48E-02	4.32E-03	7.09E-01	8.37E-01	8.03E-01	1.35E+00	1.48E-01	3.14E+00
3297	479863.09	3847877.25	2.20552	0.83953	4.0367	1.46451	3.61E-01	6.51E-01	7.83E-01	1.08E-01	1.90E+00	3.55E-01	2.82E-05	8.58E-03	3.15E-03	3.67E-01	4.32E-01	6.51E-01	7.83E-01	1.08E-01	1.97E+00
3298	480363.09	3847877.25	2.00364	0.7222	3.9456	1.5399	3.28E-01	5.60E-01	7.65E-01	1.13E-01	1.77E+00	3.23E-01	2.43E-05	8.39E-03	3.32E-03	3.35E-01	3.92E-01	5.60E-01	7.65E-01	1.13E-01	1.83E+00
3299	480863.09	3847877.25	1.4133	0.72682	3.5543	1.67553	2.31E-01	5.64E-01	6.89E-01	1.23E-01	1.61E+00	2.28E-01	2.44E-05	7.56E-03	3.61E-03	2.39E-01	2.77E-01	5.64E-01	6.89E-01	1.23E-01	1.65E+00
3300	481363.09	3847877.25	1.50995	0.65259	3.0024	1.76326	2.47E-01	5.06E-01	5.82E-01	1.30E-01	1.47E+00	2.43E-01	2.19E-05	6.38E-03	3.80E-03	2.54E-01	2.95E-01	5.06E-01	5.82E-01	1.30E-01	1.51E+00
3301	481863.09	3847877.25	1.7187	0.75168	3.7099	1.84938	2.81E-01	5.83E-01	7.19E-01	1.36E-01	1.72E+00	2.77E-01	2.53E-05	7.89E-03	3.98E-03	2.89E-01	3.36E-01	5.83E-01	7.19E-01	1.36E-01	1.77E+00
3302	482363.09	3847877.25	1.83973	0.86595	4.2962	1.62346	3.01E-01	6.72E-01	8.33E-01	1.20E-01	1.93E+00	2.96E-01	2.91E-05	9.13E-03	3.49E-03	3.09E-01	3.60E-01	6.72E-01	8.33E-01	1.20E-01	1.98E+00
3303	482863.09	3847877.25	1.76082	0.82776	4.8199	1.41834	2.88E-01	6.42E-01	9.35E-01	1.04E-01	1.97E+00	2.84E-01	2.78E-05	1.02E-02	3.05E-03	2.97E-01	3.45E-01	6.42E-01	9.35E-01	1.04E-01	2.03E+00
3304	483363.09	3847877.25	1.75	0.78588	4.7555	1.39363	2.86E-01	6.10E-01	9.22E-01	1.03E-01	1.92E+00	2.82E-01	2.64E-05	1.01E-02	3.00E-03	2.95E-01	3.42E-01	6.10E-01	9.22E-01	1.03E-01	1.98E+00
3305	483863.09	3847877.25	1.80977	0.74907	4.9935	1.56394	2.96E-01	5.81E-01	9.68E-01	1.15E-01	1.96E+00	2.92E-01	2.52E-05	1.06E-02	3.37E-03	3.06E-01	3.54E-01	5.81E-01	9.68E-01	1.15E-01	2.02E+00
3306	484363.09	3847877.25	1.7601	0.68792	6.4652	1.84307	2.88E-01	5.34E-01	1.25E+00	1.36E-01	2.21E+00	2.84E-01	2.31E-05	1.37E-02	3.97E-03	3.01E-01	3.44E-01	5.34E-01	1.25E+00	1.36E-01	2.27E+00
3307	484863.09	3847877.25	1.64366	0.6899	7.7045	1.81196	2.69E-01	5.35E-01	1.49E+00	1.33E-01	2.43E+00	2.65E-01	2.32E-05	1.64E-02	3.90E-03	2.85E-01	3.22E-01	5.35E-01	1.49E+00	1.33E-01	2.48E+00
3308	485363.09	3847877.25	1.82751	0.78708	7.1148	1.73582	2.99E-01	6.11E-01	1.38E+00	1.28E-01	2.42E+00	2.94E-01	2.64E-05	1.51E-02	3.74E-03	3.13E-01	3.58E-01	6.11E-01	1.38E+00	1.28E-01	2.48E+00
3309	485863.09	3847877.25	1.5344	0.73429	6.5031	1.57489	2.51E-01	5.70E-01	1.26E+00	1.16E-01	2.20E+00	2.47E-01	2.47E-05	1.38E-02	3.39E-03	2.64E-01	3.00E-01	5.70E-01	1.26E+00	1.16E-01	2.25E+00
3310	486363.09	3847877.25	1.26363	0.77794	4.4636	1.56526	2.07E-01	6.03E-01	8.66E-01	1.15E-01	1.79E+00	2.04E-01	2.61E-05	9.49E-03	3.37E-03	2.16E-01	2.47E-01	6.03E-01	8.66E-01	1.15E-01	1.83E+00
3311	486863.09	3847877.25	1.16829	0.87218	4.6675	1.57216	1.91E-01	6.77E-01	9.05E-01	1.16E-01	1.89E+00	1.88E-01	2.93E-05	9.92E-03	3.38E-03	2.02E-01	2.29E-01	6.77E-01	9.05E-01	1.16E-01	1.93E+00
3312	487363.09	3847877.25	1.00248	0.77306	3.9565	1.5605	1.64E-01	6.00E-01	7.67E-01	1.15E-01	1.65E+00	1.62E-01	2.60E-05	8.41E-03	3.36E-03	1.73E-01	1.96E-01	6.00E-01	7.67E-01	1.15E-01	1.68E+00
3313	487863.09	3847877.25	0.83559	0.57124	5.0612	1.56633	1.37E-01	4.43E-01	9.81E-01	1.15E-01	1.68E+00	1.35E-01	1.92E-05	1.08E-02	3.37E-03	1.49E-01	1.64E-01	4.43E-01	9.81E-01	1.15E-01	1.70E+00
3314	488363.09	3847877.25	0.80141	0.56483	7.2497	1.47091	1.31E-01	4.38E-01	1.41E+00	1.08E-01	2.08E+00	1.29E-01	1.90E-05	1.54E-02	3.17E-03	1.48E-01	1.57E-01	4.38E-01	1.41E+00	1.08E-01	2.11E+00
3315	488863.09	3847877.25	0.81974	0.63213	8.8819	1.58335	1.34E-01	4.90E-01	1.72E+00	1.17E-01	2.46E+00	1.32E-01	2.12E-05	1.89E-02	3.41E-03	1.54E-01	1.60E-01	4.90E-01	1.72E+00	1.17E-01	2.49E+00
3316	489363.09	3847877.25	0.82664	0.52944	9.0672	1.55978	1.35E-01	4.11E-01	1.76E+00	1.15E-01	2.42E+00	1.33E-01	1.78E-05	1.93E-02	3.36E-03	1.56E-01	1.62E-01	4.11E-01	1.76E+00	1.15E-01	2.45E+00
3317	489863.09	3847877.25	0.72166	0.466	7.7201	1.48711	1.18E-01	3.61E-01	1.50E+00	1.09E-01	2.09E+00	1.16E-01	1.57E-05	1.64E-02	3.20E-03	1.36E-01	1.41E-01	3.61E-01	1.50E+00	1.09E-01	2.11E+00
3318	490363.09	3847877.25	0.86848	0.54774	5.6444	1.3465	1.42E-01	4.25E-01	1.09E+00	9.91E-02	1.76E+00	1.40E-01	1.84E-05	1.20E-02	2.90E-03	1.55E-01	1.70E-01	4.25E-01	1.09E+00	9.91E-02	1.79E+00
3319	490863.09	3847877.25	1.18611	0.59144	5.3416	1.38184	1.94E-01	4.59E-01	1.04E+00	1.02E-01	1.79E+00	1.91E-01	1.99E-05	1.14E-02	2.97E-03	2.05E-01	2.32E-01	4.59E-01	1.04E+00	1.02E-01	1.83E+00
3320	491363.09	3847877.25	1.30453	0.56323	5.5335	1.35434	2.13E-01	4.37E-01	1.07E+00	9.97E-02	1.82E+00	2.10E-01	1.89E-05	1.18E-02	2.92E-03	2.25E-01	2.55E-01	4.37E-01	1.07E+00	9.97E-02	1.86E+00
3321	491863.09	3847877.25	1.31161	0.53936	5.0144	1.31834	2.15E-01	4.18E-01	9.72E-01	9.71E-02	1.70E+00	2.11E-01	1.81E-05	1.07E-02	2.84E-03	2.25E-01	2.57E-01	4.18E-01	9.72E-01	9.71E-02	1.74E+00
3322	492363.09	3847877.25	1.28304	0.44664	4.698	1.19641	2.10E-01	3.46E-01	9.11E-01	8.81E-02	1.56E+00	2.07E-01	1.50E-05	9.99E-03	2.58E-03	2.19E-01	2.51E-01	3.46E-01	9.11E-01	8.81E-02	1.60E+00
3323	492863.09	3847877.25	1.2413	0.37924	4.6386	1.09285	2.03E-01	2.94E-01	8.99E-01	8.05E-02	1.48E+00	2.00E-01	1.27E-05	9.86E-03	2.35E-03	2.12E-01	2.43E-01	2.94E-01	8.99E-01	8.05E-02	1.52E+00
3324	493363.09	3847877.25	1.1273	0.33247	3.8973	0.92692	1.84E-01	2.58E-01	7.56E-01	6.82E-02	1.27E+00	1.82E-01	1.12E-05	8.29E-03	2.00E-03	1.92E-01	2.21E-01	2.58E-01	7.56E-01	6.82E-02	1.30E+00
3325	493863.09	3847877.25	0.92575	0.36451	4.0006	0.94397	1.51E-01	2.83E-01	7.76E-01	6.95E-02	1.28E+00	1.49E-01	1.22E-05	8.51E-03	2.03E-03	1.60E-01	1.81E-01	2.83E-01	7.76E-01	6.95E-02	1.31E+00
3326	494363.09	3847877.25	0.64513	0.4555	4.1396	0.93576	1.06E-01	3.53E-01	8.03E-01	6.89E-02	1.33E+00	1.04E-01	1.53E-05	8.80E-03	2.01E-03	1.15E-01	1.26E-01	3.53E-01	8.03E-01	6.89E-02	1.35E+00
3327	494863.09	3847877.25	0.6225	0.56162	4.401	0.993	1.02E-01	4.36E-01	8.53E-01	7.31E-02	1.46E+00	1.00E-01	1.89E-05	9.36E-03	2.14E-03	1.12E-01	1.22E-01	4.36E-01	8.53E-01	7.31E-02	1.48E+00
3328	495363.09	3847877.25	0.63812	0.61381	5.0326	0.99962	1.04E-01	4.76E-01	9.76E-01	7.36E-02	1.63E+00	1.03E-01	2.06E-05	1.07E-02	2.15E-03	1.16E-01	1.25E-01	4.76E-01	9.76E-01	7.36E-02	1.65E+00
3329	495863.09	3847877.25	0.61873	0.55266	4.8355	0.94043	1.01E-01	4.29E-01	9.38E-01	6.92E-02	1.54E+00	9.97E-02	1.86E-05	1.03E-02	2.02E-03	1.12E-01	1.21E-01	4.29E-01	9.38E-01	6.92E-02	1.56E+00
3330	496363.09	3847877.25	0.6011	0.59145	5.4576	1.09997	9.83E-02	4.59E-01	1.06E+00	8.10E-02	1.70E+00	9.69E-02	1.99E-05	1.16E-02	2.37E-03	1.11E-01	1.18E-01	4.59E-01	1.06E+00	8.10E-02	1.72E+00
3331	496863.09	3847877.25	0.76326	0.65896	5.152	1.08582	1.25E-01	5.11E-01	9.99E-01	7.99E-02	1.71E+00	1.23E-01	2.21E-05	1.10E-02	2.34E-03	1.36E-01	1.49E-01	5.11E-01	9.99E-01	7.99E-02	1.74E+00
3332	497363.09	3847877.25	0.75293	0.68975	4.8639	1.06536	1.23E-01	5.35E-01	9.43E-01	7.84E-02	1.68E+00	1.21E-01	2.32E-05	1.03E-02	2.29E-03	1.34E-01	1.47E-01	5.35E-01	9.43E-01	7.84E-02	1.70E+00
3333	497863.09	3847877.25	0.73576	0.59515	6.0553	1.03315	1.20E-01	4.62E-01	1.17E+00	7.61E-02	1.83E+00	1.19E-01	2.00E-05	1.29E-02	2.22E-03	1.34E-01	1.44E-01	4.62E-01	1.17E+00	7.61E-02	1.86E+00
3334	498363.09	3847877.25	0.68267	0.47666	6.0564	1.06294	1.12E-01	3.70E-01	1.17E+00	7.83E-02	1.73E+00	1.10E-01	1.60E-05	1.29E-02	2.29E-03	1.25E-01	1.34E-01	3.70E-01	1.17E+00	7.83E-02	1.76E+00
3335	471363.09	3848377.25	6.88277	3.88241	2.9294	1.30854	1.13E+00	3.01E+00	5.68E-01	9.63E-02	4.80E+00	1.11E+00	1.30E-04	6.23E-03	2.82E-03	1.12E+00	1.35E+00	3.01E+00	5.68E-01	9.63E-02	5.02E+00
3336	471863.09	3848377.25	7.04017	3.43741	3.3138	1.39726	1.15E+00	2.67E+00	6.43E-01	1.03E-01	4.56E+00	1.13E+00	1.15E-04	7.05E-03	3.01E-03	1.14E+00	1.38E+00	2.67E+00	6.43E-01	1.03E-01	4.79E+00
3337	472363.09	3848377.25	7.07254	3.87539	3.4074	1.57269	1.16E+00	3.01E+00	6.61E-01	1.16E-01	4.94E+00	1.14E+00	1.30E-04	7.24E-03	3.39E-03	1.15E+00	1.38E+00	3.01E+00	6.61E-01	1.16E-01	5.17E+00
3338	472863.09	3848377.25	7.18786	4.00886	3.2112	1.69027	1.18E+00	3.11E+00	6.23E-01	1.24E-01	5.03E+00	1.16E+00	1.35E-04	6.83E-03	3.64E-03	1.17E+00	1.41E+00	3.11E+00	6.23E-01	1.24E-01	5.26E+00
3339	473363.09	3848377.25	8.488	4.09971	3.1502	1.77953	1.39E+00	3.18E+00	6.11E-01	1.31E-01	5.31E+00	1.37E+00	1.38E-04	6.70E-03	3.83E-03	1.38E+00	1.66E+00	3.18E+00	6.11E-01	1.31E-01	5.58E+00
3340	473863.09	3848377.25	8.49004	4.07048	3.0518	1.93224	1.39E+00	3.16E+00	5.92E-01	1.42E-01	5.28E+00	1.37E+00	1.37E-04	6.49E-03	4.16E-03	1.38E+00	1.66E+00	3.16E+00	5.92E-01	1.42E-01	5.55E+00
3341	474363.09	3848377.25	6.82514	3.79111	2.9319	2.07707	1.12E+00	2.94E+00	5.69E-01	1.53E-01	4.78E+00	1.10E+00	1.27E-04	6.23E-03	4.47E-03	1.11E+00	1.34E+00	2.94E+00	5.69E-01	1.53E-01	5.00E+00
3342	474863.09	3848377.25	7.99514	3.09048	3.0401	2.10976	1.31E+00	2.40E+00	5.90E-01	1.55E-01	4.45E+00	1.29E+00	1.04E-04	6.46E-03	4.54E-03	1.30E+00	1.56E+00	2.40E+00	5.90E-01	1.55E-01	4.71E+00
3343	475363.09	3848377.25	7.40228	3.50344	3.3227	2.0712	1.21E+00	2.72E+00	6.44E-01	1.52E-01	4.73E+00	1.19E+00	1.18E-04	7.06E-03	4.46E-03	1.20E+00	1.45E+00	2.72E+00	6.44E-01	1.52E-01	4.96E+00
3344	475863.09	3848377.25	8.31666	2.60449	3.8109	1.97755	1.36E+00	2.02E+00	7.39E-01	1.46E-01	4.27E+00	1.34E+00	8.75E-05	8.10E-03	4.26E-03	1.35E+00	1.63E+00	2.02E+00	7.39E-01	1.46E-01	4.53E+00
3345	476363.09	3848377.25	6.59561	2.32796	4.2313	1.76232	1.08E+00	1.81E+00	8.20E-01	1.30E-01	3.83E+00	1.06E+00	7.82E-05	9.00E-03	3.79E-03	1.08E+00	1.29E+00	1.81E+00	8.20E-01	1.30E-01	4.05E+00
3346	476863.09	3848377.25	8.01561	3.7096	4.439	2.04353	1.31E+00	2.88E+00	8.61E-01	1.50E-01	5.20E+00	1.29E+00	1.25E-04	9.44E-03	4.40E-03	1.31E+00	1.57E+00	2.88E+00	8.61E-01	1.50E-01	5.46E+00
3347	477363.09	3848377.25	10.5996	3.20327	4.3708	2.92676	1.73E+00	2.48E+00	8.48E-01	2.15E-01	5.28E+00	1.71E+00	1.08E-04	9.29E-03	6.30E-03	1.72E+00	2.07E+00	2.48E+00	8.48E-01	2.15E-01	5.62E+00
3348	477863.09	3848377.25	13.1238	2.84666	4.0345	3.19534	2.15E+00	2.21E+00	7.82E-01	2.35E-01	5.37E+00	2.11E+00	9.56E-05	8.58E-03	6.88E-03	2.13E+00	2.57E+00	2.21E+00	7.82E-01	2.35E-01	5.79E+00
3349	478363.09	3848377.25	11.3913	2.28373	3.5025	2.82144	1.86E+00	1.77E+00	6.79E-01	2.08E-01	4.52E+00	1.84E+00	7.67E-05	7.45E-03	6.07E-03	1.85E+00	2.23E+00	1.77E+00	6.79E-01	2.08E-01	4.89E+00
3350	478863.09	3848377.25	11.262	1.89472	3.4884	3.89883	1.84E+00	1.47E+00	6.76E-01	2.87E-01	4.28E+00	1.81E+00	6.36E-05	7.42E-03	8.39E-03	1.83E+00	2.20E+00	1.47E+00	6.76E-01	2.87E-01	4.64E+00
3351	479363.09	3848377.25	5.72498	1.10738	5.4489	2.48992	9.36E-01	8.59E-01	1.06E+00	1.83E-01	3.04E+00	9.22E-01	3.72E-05	1.16E-02	5.36E-03	9.39E-01	1.12E+00	8.59E-01	1.06E+00	1.83E-01	3.22E+00

3352	479863.09	3848377.25	1.71926	0.85684	3.8964	1.47417	2.81E-01	6.65E-01	7.56E-01	1.09E-01	1.81E+00	2.77E-01	2.88E-05	8.28E-03	3.17E-03	2.89E-01	3.36E-01	6.65E-01	7.56E-01	1.09E-01	1.87E+00
3353	480363.09	3848377.25	2.20415	0.81613	4.221	1.57052	3.61E-01	6.33E-01	8.18E-01	1.16E-01	1.93E+00	3.55E-01	2.74E-05	8.97E-03	3.38E-03	3.68E-01	4.31E-01	6.33E-01	8.18E-01	1.16E-01	2.00E+00
3354	480863.09	3848377.25	3.20237	0.79829	4.0272	1.67935	5.24E-01	6.19E-01	7.81E-01	1.24E-01	2.05E+00	5.16E-01	2.68E-05	8.56E-03	3.62E-03	5.28E-01	6.27E-01	6.19E-01	7.81E-01	1.24E-01	2.15E+00
3355	481363.09	3848377.25	2.30521	0.83743	3.5782	1.80836	3.77E-01	6.50E-01	6.94E-01	1.33E-01	1.85E+00	3.71E-01	2.81E-05	7.61E-03	3.89E-03	3.83E-01	4.51E-01	6.50E-01	6.94E-01	1.33E-01	1.93E+00
3356	481863.09	3848377.25	2.25646	0.77633	3.8063	1.92113	3.69E-01	6.02E-01	7.38E-01	1.41E-01	1.85E+00	3.64E-01	2.61E-05	8.09E-03	4.14E-03	3.76E-01	4.42E-01	6.02E-01	7.38E-01	1.41E-01	1.92E+00
3357	482363.09	3848377.25	2.27978	0.91071	4.6105	1.77216	3.73E-01	7.06E-01	8.94E-01	1.30E-01	2.10E+00	3.67E-01	3.06E-05	9.80E-03	3.82E-03	3.81E-01	4.46E-01	7.06E-01	8.94E-01	1.30E-01	2.18E+00
3358	482863.09	3848377.25	2.19447	0.8622	4.8105	1.48436	3.59E-01	6.69E-01	9.33E-01	1.09E-01	2.07E+00	3.54E-01	2.90E-05	1.02E-02	3.20E-03	3.67E-01	4.29E-01	6.69E-01	9.33E-01	1.09E-01	2.14E+00
3359	483363.09	3848377.25	2.20209	0.89527	5.0931	1.41775	3.60E-01	6.94E-01	9.88E-01	1.04E-01	2.15E+00	3.55E-01	3.01E-05	1.08E-02	3.05E-03	3.69E-01	4.31E-01	6.95E-01	9.88E-01	1.04E-01	2.22E+00
3360	483863.09	3848377.25	1.91733	0.76891	4.9848	1.56999	3.14E-01	5.96E-01	9.67E-01	1.16E-01	1.99E+00	3.09E-01	2.58E-05	1.06E-02	3.38E-03	3.23E-01	3.75E-01	5.96E-01	9.67E-01	1.16E-01	2.05E+00
3361	484363.09	3848377.25	1.83829	0.71589	6.0488	1.89622	3.01E-01	5.55E-01	1.17E+00	1.40E-01	2.17E+00	2.96E-01	2.40E-05	1.29E-02	4.08E-03	3.13E-01	3.60E-01	5.55E-01	1.17E+00	1.40E-01	2.23E+00
3362	484863.09	3848377.25	1.71283	0.82931	7.6955	1.91746	2.80E-01	6.43E-01	1.49E+00	1.41E-01	2.56E+00	2.76E-01	2.79E-05	1.64E-02	4.13E-03	2.97E-01	3.35E-01	6.43E-01	1.49E+00	1.41E-01	2.61E+00
3363	485363.09	3848377.25	1.89904	0.78984	7.7703	1.75041	3.11E-01	6.13E-01	1.51E+00	1.29E-01	2.56E+00	3.06E-01	2.65E-05	1.65E-02	3.77E-03	3.26E-01	3.72E-01	6.13E-01	1.51E+00	1.29E-01	2.62E+00
3364	485863.09	3848377.25	1.62172	0.74609	7.2654	1.58833	2.65E-01	5.79E-01	1.41E+00	1.17E-01	2.37E+00	2.61E-01	2.51E-05	1.54E-02	3.42E-03	2.80E-01	3.17E-01	5.79E-01	1.41E+00	1.17E-01	2.42E+00
3365	486363.09	3848377.25	1.27669	0.77408	5.0336	1.61428	2.09E-01	6.00E-01	9.76E-01	1.19E-01	1.90E+00	2.06E-01	2.60E-05	1.07E-02	3.48E-03	2.20E-01	2.50E-01	6.00E-01	9.76E-01	1.19E-01	1.95E+00
3366	486863.09	3848377.25	1.31676	0.89373	4.9652	1.60289	2.15E-01	6.93E-01	9.63E-01	1.18E-01	1.99E+00	2.12E-01	3.00E-05	1.06E-02	3.45E-03	2.26E-01	2.58E-01	6.93E-01	9.63E-01	1.18E-01	2.03E+00
3367	487363.09	3848377.25	0.99674	0.81228	4.2409	1.5892	1.63E-01	6.30E-01	8.22E-01	1.17E-01	1.73E+00	1.61E-01	2.73E-05	9.02E-03	3.42E-03	1.73E-01	1.95E-01	6.30E-01	8.22E-01	1.17E-01	1.76E+00
3368	487863.09	3848377.25	0.85609	0.60053	5.2596	1.6166	1.40E-01	4.66E-01	1.02E+00	1.19E-01	1.74E+00	1.38E-01	2.02E-05	1.12E-02	3.48E-03	1.53E-01	1.68E-01	4.66E-01	1.02E+00	1.19E-01	1.77E+00
3369	488363.09	3848377.25	0.82707	0.59267	7.616	1.58026	1.35E-01	4.60E-01	1.48E+00	1.16E-01	2.19E+00	1.33E-01	1.99E-05	1.62E-02	3.40E-03	1.53E-01	1.62E-01	4.60E-01	1.48E+00	1.16E-01	2.21E+00
3370	488863.09	3848377.25	0.85864	0.67287	9.2827	1.63972	1.40E-01	5.22E-01	1.80E+00	1.21E-01	2.58E+00	1.38E-01	2.26E-05	1.97E-02	3.53E-03	1.62E-01	1.68E-01	5.22E-01	1.80E+00	1.21E-01	2.61E+00
3371	489363.09	3848377.25	0.82348	0.54933	9.315	1.59289	1.35E-01	4.26E-01	1.81E+00	1.17E-01	2.48E+00	1.33E-01	1.85E-05	1.98E-02	3.43E-03	1.56E-01	1.61E-01	4.26E-01	1.81E+00	1.17E-01	2.51E+00
3372	489863.09	3848377.25	0.78873	0.52086	7.5657	1.54217	1.29E-01	4.04E-01	1.47E+00	1.14E-01	2.11E+00	1.27E-01	1.75E-05	1.61E-02	3.32E-03	1.47E-01	1.54E-01	4.04E-01	1.47E+00	1.14E-01	2.14E+00
3373	490363.09	3848377.25	1.15906	0.58586	5.8907	1.36358	1.90E-01	4.54E-01	1.14E+00	1.00E-01	1.89E+00	1.87E-01	1.97E-05	1.25E-02	2.94E-03	2.02E-01	2.27E-01	4.54E-01	1.14E+00	1.00E-01	1.92E+00
3374	490863.09	3848377.25	1.30294	0.57631	5.7208	1.4021	2.13E-01	4.47E-01	1.11E+00	1.03E-01	1.87E+00	2.10E-01	1.94E-05	1.22E-02	3.02E-03	2.25E-01	2.55E-01	4.47E-01	1.11E+00	1.03E-01	1.91E+00
3375	491363.09	3848377.25	1.32045	0.54139	6.1168	1.34196	2.16E-01	4.20E-01	1.19E+00	9.88E-02	1.92E+00	2.13E-01	1.82E-05	1.30E-02	2.89E-03	2.29E-01	2.58E-01	4.20E-01	1.19E+00	9.88E-02	1.96E+00
3376	491863.09	3848377.25	1.30044	0.4984	4.9256	1.26624	2.13E-01	3.87E-01	9.55E-01	9.32E-02	1.65E+00	2.10E-01	1.67E-05	1.05E-02	2.73E-03	2.23E-01	2.54E-01	3.87E-01	9.55E-01	9.32E-02	1.69E+00
3377	492363.09	3848377.25	1.26866	0.39979	5.0485	1.15823	2.08E-01	3.10E-01	9.79E-01	8.53E-02	1.58E+00	2.04E-01	1.34E-05	1.07E-02	2.49E-03	2.18E-01	2.48E-01	3.10E-01	9.79E-01	8.53E-02	1.62E+00
3378	492863.09	3848377.25	1.17463	0.32726	4.4314	0.96963	1.92E-01	2.54E-01	8.59E-01	7.14E-02	1.38E+00	1.89E-01	1.10E-05	9.42E-03	2.09E-03	2.01E-01	2.30E-01	2.54E-01	8.59E-01	7.14E-02	1.41E+00
3379	493363.09	3848377.25	0.98011	0.34697	3.9182	0.9747	1.60E-01	2.69E-01	7.60E-01	7.18E-02	1.26E+00	1.58E-01	1.17E-05	8.33E-03	2.10E-03	1.68E-01	1.92E-01	2.69E-01	7.60E-01	7.18E-02	1.29E+00
3380	493863.09	3848377.25	0.68211	0.42721	4.3372	0.91677	1.12E-01	3.31E-01	8.41E-01	6.75E-02	1.35E+00	1.10E-01	1.44E-05	9.22E-03	1.97E-03	1.21E-01	1.33E-01	3.31E-01	8.41E-01	6.75E-02	1.37E+00
3381	494363.09	3848377.25	0.6413	0.54394	4.4987	0.92497	1.05E-01	4.22E-01	8.72E-01	6.81E-02	1.47E+00	1.03E-01	1.83E-05	9.56E-03	1.99E-03	1.15E-01	1.25E-01	4.22E-01	8.72E-01	6.81E-02	1.49E+00
3382	494863.09	3848377.25	0.64889	0.61306	4.7755	0.97721	1.06E-01	4.76E-01	9.26E-01	7.19E-02	1.58E+00	1.05E-01	2.06E-05	1.02E-02	2.10E-03	1.17E-01	1.27E-01	4.76E-01	9.26E-01	7.19E-02	1.60E+00
3383	495363.09	3848377.25	0.6242	0.56029	4.982	0.97521	1.02E-01	4.35E-01	9.66E-01	7.18E-02	1.57E+00	1.01E-01	1.88E-05	1.06E-02	2.10E-03	1.13E-01	1.22E-01	4.35E-01	9.66E-01	7.18E-02	1.59E+00
3384	495863.09	3848377.25	0.60174	0.54091	4.9423	0.93838	9.84E-02	4.20E-01	9.58E-01	6.91E-02	1.55E+00	9.70E-02	1.82E-05	1.05E-02	2.02E-03	1.10E-01	1.18E-01	4.20E-01	9.58E-01	6.91E-02	1.56E+00
3385	496363.09	3848377.25	0.59967	0.64702	4.7365	0.94263	9.81E-02	5.02E-01	9.18E-01	6.94E-02	1.59E+00	9.66E-02	2.17E-05	1.01E-02	2.03E-03	1.09E-01	1.17E-01	5.02E-01	9.18E-01	6.94E-02	1.61E+00
3386	496863.09	3848377.25	0.58399	0.70524	4.656	0.95576	9.55E-02	5.47E-01	9.03E-01	7.04E-02	1.62E+00	9.41E-02	2.37E-05	9.90E-03	2.06E-03	1.06E-01	1.14E-01	5.47E-01	9.03E-01	7.04E-02	1.63E+00
3387	497363.09	3848377.25	0.59579	0.62884	5.0578	0.96949	9.74E-02	4.88E-01	9.81E-01	7.14E-02	1.64E+00	9.60E-02	2.11E-05	1.08E-02	2.09E-03	1.09E-01	1.17E-01	4.88E-01	9.81E-01	7.14E-02	1.66E+00
3388	497863.09	3848377.25	0.67323	0.5117	6.1551	1.13663	1.10E-01	3.97E-01	1.19E+00	8.37E-02	1.78E+00	1.08E-01	1.72E-05	1.31E-02	2.45E-03	1.24E-01	1.32E-01	3.97E-01	1.19E+00	8.37E-02	1.81E+00
3389	498363.09	3848377.25	0.68185	0.42562	5.7643	1.11096	1.12E-01	3.30E-01	1.12E+00	8.18E-02	1.64E+00	1.10E-01	1.43E-05	1.23E-02	2.39E-03	1.25E-01	1.33E-01	3.30E-01	1.12E+00	8.18E-02	1.66E+00
3390	471363.09	3848877.25	4.48747	4.30017	2.1619	1.24955	7.34E-01	3.34E+00	4.19E-01	9.20E-02	4.58E+00	7.23E-01	1.44E-04	4.60E-03	2.69E-03	7.31E-01	8.78E-01	3.34E+00	4.19E-01	9.20E-02	4.73E+00
3391	471863.09	3848877.25	6.40966	4.45515	2.6121	1.30363	1.05E+00	3.46E+00	5.07E-01	9.60E-02	5.11E+00	1.03E+00	1.50E-04	5.55E-03	2.81E-03	1.04E+00	1.25E+00	3.46E+00	5.07E-01	9.60E-02	5.31E+00
3392	472363.09	3848877.25	7.4064	3.83672	3.165	1.40976	1.21E+00	2.98E+00	6.14E-01	1.04E-01	4.91E+00	1.19E+00	1.29E-04	6.73E-03	3.03E-03	1.20E+00	1.45E+00	2.98E+00	6.14E-01	1.04E-01	5.14E+00
3393	472863.09	3848877.25	7.69911	3.86392	3.4886	1.56875	1.26E+00	3.00E+00	6.76E-01	1.15E-01	5.05E+00	1.24E+00	1.30E-04	7.42E-03	3.38E-03	1.25E+00	1.51E+00	3.00E+00	6.76E-01	1.15E-01	5.30E+00
3394	473363.09	3848877.25	7.28076	4.40731	3.4891	1.73045	1.19E+00	3.42E+00	6.77E-01	1.27E-01	5.41E+00	1.17E+00	1.48E-04	7.42E-03	3.73E-03	1.18E+00	1.42E+00	3.42E+00	6.77E-01	1.27E-01	5.65E+00
3395	473863.09	3848877.25	8.38143	4.35751	3.3161	1.83803	1.37E+00	3.38E+00	6.43E-01	1.35E-01	5.53E+00	1.35E+00	1.46E-04	7.05E-03	3.96E-03	1.36E+00	1.64E+00	3.38E+00	6.43E-01	1.35E-01	5.80E+00
3396	474363.09	3848877.25	9.19341	4.70453	3.2675	1.96629	1.50E+00	3.65E+00	6.34E-01	1.45E-01	5.93E+00	1.48E+00	1.58E-04	6.95E-03	4.23E-03	1.49E+00	1.80E+00	3.65E+00	6.34E-01	1.45E-01	6.23E+00
3397	474863.09	3848877.25	8.30961	3.85269	3.136	2.15061	1.36E+00	2.99E+00	6.08E-01	1.58E-01	5.11E+00	1.34E+00	1.29E-04	6.67E-03	4.63E-03	1.35E+00	1.63E+00	2.99E+00	6.08E-01	1.58E-01	5.38E+00
3398	475363.09	3848877.25	8.71145	3.76402	3.1221	2.21468	1.42E+00	2.92E+00	6.05E-01	1.63E-01	5.11E+00	1.40E+00	1.26E-04	6.64E-03	4.77E-03	1.42E+00	1.70E+00	2.92E+00	6.05E-01	1.63E-01	5.39E+00
3399	475863.09	3848877.25	8.8867	4.22126	3.4139	2.17246	1.45E+00	3.27E+00	6.62E-01	1.60E-01	5.55E+00	1.43E+00	1.42E-04	7.26E-03	4.68E-03	1.44E+00	1.74E+00	3.27E+00	6.62E-01	1.60E-01	5.84E+00
3400	476363.09	3848877.25	9.489	3.54749	3.8554	2.087	1.55E+00	2.75E+00	7.48E-01	1.54E-01	5.21E+00	1.53E+00	1.19E-04	8.20E-03	4.49E-03	1.54E+00	1.86E+00	2.75E+00	7.48E-01	1.54E-01	5.51E+00
3401	476863.09	3848877.25	7.97035	3.25123	4.3516	1.85957	1.30E+00	2.52E+00	8.44E-01	1.37E-01	4.81E+00	1.28E+00	1.09E-04	9.25E-03	4.00E-03	1.30E+00	1.56E+00	2.52E+00	8.44E-01	1.37E-01	5.06E+00
3402	477363.09	3848877.25	8.17913	4.54338	4.6285	2.14914	1.34E+00	3.52E+00	8.98E-01	1.58E-01	5.92E+00	1.32E+00	1.53E-04	9.84E-03	4.63E-03	1.33E+00	1.60E+00	3.52E+00	8.98E-01	1.58E-01	6.18E+00
3403	477863.09	3848877.25	11.7751	3.69514	4.6019	3.07593	1.93E+00	2.87E+00	8.92E-01	2.26E-01	5.91E+00	1.90E+00	1.24E-04	9.78E-03	6.62E-03	1.91E+00	2.30E+00	2.87E+00	8.92E-01	2.26E-01	6.29E+00
3404	478363.09	3848877.25	14.6463	3.19325	4.2671	3.27298	2.40E+00	2.48E+00	8.27E-01	2.41E-01	5.94E+00	2.36E+00	1.07E-04	9.07E-03	7.05E-03	2.38E+00	2.87E+00	2.48E+00	8.27E-01	2.41E-01	6.41E+00
3405	478863.09	3848877.25	12.2857	2.34969	3.6992	3.77011	2.01E+00	1.82E+00	7.17E-01	2.78E-01	4.83E+00	1.98E+00	7.89E-05	7.87E-03	8.12E-03	2.00E+00	2.40E+00	1.82E+00	7.17E-01	2.78E-01	5.22E+00
3406	479363.09	3848877.25	11.1697	1.81749	3.827	4.48645	1.83E+00	1.41E+00	7.42E-01	3.30E-01	4.31E+00	1.80E+00	6.11E-05	8.14E-03	9.66E-03	1.82E+00	2.19E+00	1.41E+00	7.42E-01	3.30E-01	4.67E+00
3407	479863.09	3848877.25	5.91314	1.11582	6.5221	2.74626	9.67E-01	8.66E-01	1.26E+00	2.02E-01	3.30E+00	9.53E-01	3.75E-05	1.39E-02	5.91E-03	9.73E-01	1.16E+00	8.66E-01	1.26E+00	2.02E-01	3.49E+00
3408	480363.09	3848877.25	6.26197	1.02625	10.404	2.20545	1.02E+00	7.96E-01	2.02E+00	1.62E-01	4.00E+00	1.01E+00	3.45E-05	2.21E-02	4.75E-03	1.04E+00	1.23E+00	7.96E-01	2.02E+00	1.62E-01	4.20E+00
3409	480863.09	3848877.25	5.74392	1.03742	8.7234	2.09679	9.39E-01	8.05E-01	1.69E+00	1.54E-01	3.59E+00	9.26E-01	3.48E-05	1.85E-02	4.51E-03	9.49E-01	1.12E+00	8.05E-01	1.69E+00	1.54E-01	3.77E+00
3410	481363.09	3848877.25	4.38214	0.90023	4.0861	2.31881	7.17E-01	6.98E-01	7.92E-01	1.71E-01	2.38E+00	7.06E-01	3.02E-05	8.69E-03	4.99E-03	7.20E-01	8.57E-01	6.98E-01	7.92E-01	1.71E-01	2.52E+00
3411	481863.09	3848877.25	2.72395	0.8288	4.0098	1.93198	4.46E-01	6.43E-01	7.78E-01	1.42E-01	2.01E+00	4.39E-01	2.78E-05	8.53E-03	4.16E-03	4.52E-01	5.33E-01	6.43E-01	7.78E-01	1.42E-01	2.10E+00
3412	482363.09	3848877.25	1.87806	0.92127	3.7286	1.83357	3.07E-01	7.15E-01	7.23E-01	1.35E-01	1.88E+00	3.03E-01	3.09E-05	7.93E-03	3.95E-03	3.15E-01	3.67E-01	7.15E-01	7.23E-01	1.35E-01	1.94E+00

3413	482863.09	3848877.25	1.64827	0.85861	4.6101	1.57263	2.70E-01	6.66E-01	8.94E-01	1.16E-01	1.95E+00	2.66E-01	2.88E-05	9.80E-03	3.39E-03	2.79E-01	3.23E-01	6.66E-01	8.94E-01	1.16E-01	2.00E+00
3414	483363.09	3848877.25	1.85918	0.79374	5.2727	1.43484	3.04E-01	6.16E-01	1.02E+00	1.06E-01	2.05E+00	3.00E-01	2.67E-05	1.12E-02	3.09E-03	3.14E-01	3.64E-01	6.16E-01	1.02E+00	1.06E-01	2.11E+00
3415	483863.09	3848877.25	1.94813	0.78872	5.2193	1.59118	3.19E-01	6.12E-01	1.01E+00	1.17E-01	2.06E+00	3.14E-01	2.65E-05	1.11E-02	3.43E-03	3.28E-01	3.81E-01	6.12E-01	1.01E+00	1.17E-01	2.12E+00
3416	484363.09	3848877.25	1.95245	0.74067	5.8047	1.92351	3.19E-01	5.75E-01	1.13E+00	1.42E-01	2.16E+00	3.15E-01	2.49E-05	1.23E-02	4.14E-03	3.31E-01	3.82E-01	5.75E-01	1.13E+00	1.42E-01	2.22E+00
3417	484863.09	3848877.25	1.83117	0.84916	7.6591	2.0172	3.00E-01	6.59E-01	1.49E+00	1.49E-01	2.59E+00	2.95E-01	2.85E-05	1.63E-02	4.34E-03	3.16E-01	3.58E-01	6.59E-01	1.49E+00	1.49E-01	2.65E+00
3418	485363.09	3848877.25	1.96307	0.91621	8.5146	1.90019	3.21E-01	7.11E-01	1.65E+00	1.40E-01	2.82E+00	3.16E-01	3.08E-05	1.81E-02	4.09E-03	3.39E-01	3.84E-01	7.11E-01	1.65E+00	1.40E-01	2.89E+00
3419	485863.09	3848877.25	1.71325	0.81623	7.8674	1.70682	2.80E-01	6.33E-01	1.53E+00	1.26E-01	2.56E+00	2.76E-01	2.74E-05	1.67E-02	3.67E-03	2.96E-01	3.35E-01	6.33E-01	1.53E+00	1.26E-01	2.62E+00
3420	486363.09	3848877.25	1.29251	0.76687	5.7955	1.67919	2.11E-01	5.95E-01	1.12E+00	1.24E-01	2.05E+00	2.08E-01	2.58E-05	1.23E-02	3.61E-03	2.24E-01	2.53E-01	5.95E-01	1.12E+00	1.24E-01	2.10E+00
3421	486863.09	3848877.25	1.3755	0.91066	5.2272	1.65548	2.25E-01	7.06E-01	1.01E+00	1.22E-01	2.07E+00	2.22E-01	3.06E-05	1.11E-02	3.56E-03	2.36E-01	2.69E-01	7.06E-01	1.01E+00	1.22E-01	2.11E+00
3422	487363.09	3848877.25	1.19741	0.85251	4.5994	1.64048	1.96E-01	6.61E-01	8.92E-01	1.21E-01	1.87E+00	1.93E-01	2.86E-05	9.78E-03	3.53E-03	2.06E-01	2.34E-01	6.61E-01	8.92E-01	1.21E-01	1.91E+00
3423	487863.09	3848877.25	0.87898	0.59862	5.4674	1.61069	1.44E-01	4.64E-01	1.06E+00	1.19E-01	1.79E+00	1.42E-01	2.01E-05	1.16E-02	3.47E-03	1.57E-01	1.72E-01	4.64E-01	1.06E+00	1.19E-01	1.82E+00
3424	488363.09	3848877.25	0.97713	0.64087	8.0346	1.5925	1.60E-01	4.97E-01	1.56E+00	1.17E-01	2.33E+00	1.57E-01	2.15E-05	1.71E-02	3.43E-03	1.78E-01	1.91E-01	4.97E-01	1.56E+00	1.17E-01	2.36E+00
3425	488863.09	3848877.25	1.06593	0.70425	9.8832	1.69514	1.74E-01	5.46E-01	1.92E+00	1.25E-01	2.76E+00	1.72E-01	2.37E-05	2.10E-02	3.65E-03	1.96E-01	2.09E-01	5.46E-01	1.92E+00	1.25E-01	2.80E+00
3426	489363.09	3848877.25	0.9921	0.58108	10.195	1.67161	1.62E-01	4.51E-01	1.98E+00	1.23E-01	2.71E+00	1.60E-01	1.95E-05	2.17E-02	3.60E-03	1.85E-01	1.94E-01	4.51E-01	1.98E+00	1.23E-01	2.74E+00
3427	489863.09	3848877.25	1.11759	0.56731	8.5149	1.57666	1.83E-01	4.40E-01	1.65E+00	1.16E-01	2.39E+00	1.80E-01	1.91E-05	1.81E-02	3.39E-03	2.02E-01	2.19E-01	4.40E-01	1.65E+00	1.16E-01	2.43E+00
3428	490363.09	3848877.25	1.29748	0.58943	6.4716	1.40699	2.12E-01	4.57E-01	1.25E+00	1.04E-01	2.03E+00	2.09E-01	1.98E-05	1.38E-02	3.03E-03	2.26E-01	2.54E-01	4.57E-01	1.25E+00	1.04E-01	2.07E+00
3429	490863.09	3848877.25	1.38441	0.53298	6.1624	1.37826	2.26E-01	4.13E-01	1.19E+00	1.01E-01	1.94E+00	2.23E-01	1.79E-05	1.31E-02	2.97E-03	2.39E-01	2.71E-01	4.13E-01	1.19E+00	1.01E-01	1.98E+00
3430	491363.09	3848877.25	1.3156	0.51572	6.0485	1.30858	2.15E-01	4.00E-01	1.17E+00	9.63E-02	1.88E+00	2.12E-01	1.73E-05	1.29E-02	2.82E-03	2.28E-01	2.57E-01	4.00E-01	1.17E+00	9.63E-02	1.93E+00
3431	491863.09	3848877.25	1.29305	0.45007	5.0871	1.24576	2.11E-01	3.49E-01	9.86E-01	9.17E-02	1.64E+00	2.08E-01	1.51E-05	1.08E-02	2.68E-03	2.22E-01	2.53E-01	3.49E-01	9.86E-01	9.17E-02	1.68E+00
3432	492363.09	3848877.25	1.2153	0.35955	5.1224	1.12883	1.99E-01	2.79E-01	9.93E-01	8.31E-02	1.55E+00	1.96E-01	1.21E-05	1.09E-02	2.43E-03	2.09E-01	2.38E-01	2.79E-01	9.93E-01	8.31E-02	1.59E+00
3433	492863.09	3848877.25	1.03556	0.33127	3.9762	1.01166	1.69E-01	2.57E-01	7.71E-01	7.45E-02	1.27E+00	1.67E-01	1.11E-05	8.45E-03	2.18E-03	1.78E-01	2.03E-01	2.57E-01	7.71E-01	7.45E-02	1.31E+00
3434	493363.09	3848877.25	0.73955	0.39806	4.2894	0.914	1.21E-01	3.09E-01	8.32E-01	6.73E-02	1.33E+00	1.19E-01	1.34E-05	9.12E-03	1.97E-03	1.30E-01	1.45E-01	3.09E-01	8.32E-01	6.73E-02	1.35E+00
3435	493863.09	3848877.25	0.65841	0.52201	4.5862	0.93298	1.08E-01	4.05E-01	8.89E-01	6.87E-02	1.47E+00	1.06E-01	1.75E-05	9.75E-03	2.01E-03	1.18E-01	1.29E-01	4.05E-01	8.89E-01	6.87E-02	1.49E+00
3436	494363.09	3848877.25	0.65719	0.60933	4.8867	0.99486	1.07E-01	4.73E-01	9.48E-01	7.32E-02	1.60E+00	1.06E-01	2.05E-05	1.04E-02	2.14E-03	1.18E-01	1.29E-01	4.73E-01	9.48E-01	7.32E-02	1.62E+00
3437	494863.09	3848877.25	0.6292	0.61751	5.1555	1.01964	1.03E-01	4.79E-01	1.00E+00	7.51E-02	1.66E+00	1.01E-01	2.07E-05	1.10E-02	2.20E-03	1.15E-01	1.23E-01	4.79E-01	1.00E+00	7.51E-02	1.68E+00
3438	495363.09	3848877.25	0.60972	0.58483	5.2512	0.99209	9.97E-02	4.54E-01	1.02E+00	7.30E-02	1.64E+00	9.82E-02	1.96E-05	1.12E-02	2.14E-03	1.12E-01	1.19E-01	4.54E-01	1.02E+00	7.30E-02	1.66E+00
3439	495863.09	3848877.25	0.5818	0.58942	4.6456	0.90852	9.52E-02	4.57E-01	9.01E-01	6.69E-02	1.52E+00	9.37E-02	1.98E-05	9.88E-03	1.96E-03	1.06E-01	1.14E-01	4.57E-01	9.01E-01	6.69E-02	1.54E+00
3440	496363.09	3848877.25	0.57038	0.67784	4.7096	0.93713	9.33E-02	5.26E-01	9.13E-01	6.90E-02	1.60E+00	9.19E-02	2.28E-05	1.00E-02	2.02E-03	1.04E-01	1.12E-01	5.26E-01	9.13E-01	6.90E-02	1.62E+00
3441	496863.09	3848877.25	0.59765	0.66878	5.1491	0.99791	9.78E-02	5.19E-01	9.98E-01	7.35E-02	1.69E+00	9.63E-02	2.25E-05	1.09E-02	2.15E-03	1.09E-01	1.17E-01	5.19E-01	9.98E-01	7.35E-02	1.71E+00
3442	497363.09	3848877.25	0.67357	0.54895	6.2208	1.05523	1.10E-01	4.26E-01	1.21E+00	7.77E-02	1.82E+00	1.09E-01	1.84E-05	1.32E-02	2.27E-03	1.24E-01	1.32E-01	4.26E-01	1.21E+00	7.77E-02	1.84E+00
3443	497863.09	3848877.25	0.85506	0.45535	5.857	1.16786	1.40E-01	3.53E-01	1.14E+00	8.60E-02	1.71E+00	1.38E-01	1.53E-05	1.25E-02	2.51E-03	1.53E-01	1.67E-01	3.53E-01	1.14E+00	8.60E-02	1.74E+00
3444	498363.09	3848877.25	1.05378	0.408	5.2285	1.18454	1.72E-01	3.16E-01	1.01E+00	8.72E-02	1.59E+00	1.70E-01	1.37E-05	1.11E-02	2.55E-03	1.83E-01	2.06E-01	3.17E-01	1.01E+00	8.72E-02	1.62E+00
3445	471363.09	3849377.25	6.03982	3.4413	2.0961	1.09105	9.88E-01	2.67E+00	4.06E-01	8.03E-02	4.14E+00	9.73E-01	1.16E-04	4.46E-03	2.35E-03	9.80E-01	1.18E+00	2.67E+00	4.06E-01	8.03E-02	4.34E+00
3446	471863.09	3849377.25	5.17541	4.42635	2.1814	1.22137	8.46E-01	3.43E+00	4.23E-01	8.99E-02	4.79E+00	8.34E-01	1.49E-04	4.64E-03	2.63E-03	8.41E-01	1.01E+00	3.43E+00	4.23E-01	8.99E-02	4.96E+00
3447	472363.09	3849377.25	5.05919	4.84126	2.3238	1.3196	8.27E-01	3.76E+00	4.51E-01	9.72E-02	5.13E+00	8.15E-01	1.63E-04	4.94E-03	2.84E-03	8.23E-01	9.90E-01	3.76E+00	4.51E-01	9.72E-02	5.29E+00
3448	472863.09	3849377.25	6.94537	4.71424	2.8676	1.41261	1.14E+00	3.66E+00	5.56E-01	1.04E-01	5.45E+00	1.12E+00	1.58E-04	6.10E-03	3.04E-03	1.13E+00	1.36E+00	3.66E+00	5.56E-01	1.04E-01	5.68E+00
3449	473363.09	3849377.25	8.06644	4.14862	3.4034	1.54239	1.32E+00	3.22E+00	6.60E-01	1.14E-01	5.31E+00	1.30E+00	1.39E-04	7.24E-03	3.32E-03	1.31E+00	1.58E+00	3.22E+00	6.60E-01	1.14E-01	5.57E+00
3450	473863.09	3849377.25	8.27568	4.57546	3.6479	1.75159	1.35E+00	3.55E+00	7.07E-01	1.29E-01	5.74E+00	1.33E+00	1.54E-04	7.76E-03	3.77E-03	1.35E+00	1.62E+00	3.55E+00	7.07E-01	1.29E-01	6.01E+00
3451	474363.09	3849377.25	7.79983	4.6147	3.5301	1.89417	1.28E+00	3.58E+00	6.85E-01	1.39E-01	5.68E+00	1.26E+00	1.55E-04	7.51E-03	4.08E-03	1.27E+00	1.53E+00	3.58E+00	6.85E-01	1.39E-01	5.93E+00
3452	474863.09	3849377.25	9.2814	5.07243	3.4706	2.03134	1.52E+00	3.93E+00	6.73E-01	1.50E-01	6.28E+00	1.50E+00	1.70E-04	7.38E-03	4.37E-03	1.51E+00	1.82E+00	3.93E+00	6.73E-01	1.50E-01	6.57E+00
3453	475363.09	3849377.25	9.8632	4.54749	3.3824	2.2204	1.61E+00	3.53E+00	6.56E-01	1.63E-01	5.96E+00	1.59E+00	1.53E-04	7.19E-03	4.78E-03	1.60E+00	1.93E+00	3.53E+00	6.56E-01	1.63E-01	6.28E+00
3454	475863.09	3849377.25	8.15642	4.74939	3.2999	2.32584	1.33E+00	3.68E+00	6.40E-01	1.71E-01	5.83E+00	1.31E+00	1.60E-04	7.02E-03	5.01E-03	1.33E+00	1.60E+00	3.68E+00	6.40E-01	1.71E-01	6.09E+00
3455	476363.09	3849377.25	9.29665	5.73041	3.5209	2.28058	1.52E+00	4.45E+00	6.83E-01	1.68E-01	6.82E+00	1.50E+00	1.92E-04	7.49E-03	4.91E-03	1.51E+00	1.82E+00	4.45E+00	6.83E-01	1.68E-01	7.12E+00
3456	476863.09	3849377.25	9.63319	5.51849	3.8872	2.20728	1.58E+00	4.28E+00	7.54E-01	1.63E-01	6.77E+00	1.55E+00	1.85E-04	8.26E-03	4.75E-03	1.57E+00	1.89E+00	4.28E+00	7.54E-01	1.63E-01	7.08E+00
3457	477363.09	3849377.25	9.25452	5.13567	4.4667	1.96725	1.51E+00	3.98E+00	8.66E-01	1.45E-01	6.51E+00	1.49E+00	1.73E-04	9.50E-03	4.24E-03	1.51E+00	1.81E+00	3.98E+00	8.66E-01	1.45E-01	6.81E+00
3458	477863.09	3849377.25	8.78942	4.50532	4.8231	2.38692	1.44E+00	3.49E+00	9.35E-01	1.76E-01	6.04E+00	1.42E+00	1.51E-04	1.03E-02	5.14E-03	1.43E+00	1.72E+00	3.49E+00	9.35E-01	1.76E-01	6.33E+00
3459	478363.09	3849377.25	12.8052	4.12244	4.8507	3.13643	2.09E+00	3.20E+00	9.41E-01	2.31E-01	6.46E+00	2.06E+00	1.38E-04	1.03E-02	6.75E-03	2.08E+00	2.51E+00	3.20E+00	9.41E-01	2.31E-01	6.88E+00
3460	478863.09	3849377.25	15.6696	3.06863	4.5219	3.33957	2.56E+00	2.38E+00	8.77E-01	2.46E-01	6.07E+00	2.52E+00	1.03E-04	9.61E-03	7.19E-03	2.54E+00	3.07E+00	2.38E+00	8.77E-01	2.46E-01	6.57E+00
3461	479363.09	3849377.25	13.4682	2.39169	3.9163	4.52554	2.20E+00	1.86E+00	7.59E-01	3.33E-01	5.15E+00	2.17E+00	8.03E-05	8.33E-03	9.74E-03	2.19E+00	2.64E+00	1.86E+00	7.59E-01	3.33E-01	5.58E+00
3462	479863.09	3849377.25	11.2725	1.86035	4.2657	5.19855	1.84E+00	1.44E+00	8.27E-01	3.83E-01	4.50E+00	1.82E+00	6.25E-05	9.07E-03	1.12E-02	1.84E+00	2.21E+00	1.44E+00	8.27E-01	3.83E-01	4.86E+00
3463	480363.09	3849377.25	9.15622	1.97236	9.4896	4.98547	1.50E+00	1.53E+00	1.84E+00	3.67E-01	5.23E+00	1.48E+00	6.63E-05	2.02E-02	1.07E-02	1.51E+00	1.79E+00	1.53E+00	1.84E+00	3.67E-01	5.53E+00
3464	480863.09	3849377.25	8.86888	1.59123	13.811	2.88244	1.45E+00	1.23E+00	2.68E+00	2.12E-01	5.58E+00	1.43E+00	5.35E-05	2.94E-02	6.21E-03	1.46E+00	1.74E+00	1.23E+00	2.68E+00	2.12E-01	5.86E+00
3465	481363.09	3849377.25	5.45315	1.03455	6.6778	2.25055	8.92E-01	8.03E-01	1.29E+00	1.66E-01	3.15E+00	8.79E-01	3.48E-05	1.42E-02	4.84E-03	8.98E-01	1.07E+00	8.03E-01	1.29E+00	1.66E-01	3.33E+00
3466	481863.09	3849377.25	2.65826	0.84626	4.148	1.92598	4.35E-01	6.56E-01	8.04E-01	1.42E-01	2.04E+00	4.28E-01	2.84E-05	8.82E-03	4.15E-03	4.41E-01	5.20E-01	6.56E-01	8.04E-01	1.42E-01	2.12E+00
3467	482363.09	3849377.25	1.93577	0.9348	3.4976	1.90897	3.17E-01	7.25E-01	6.78E-01	1.41E-01	1.86E+00	3.12E-01	3.14E-05	7.44E-03	4.11E-03	3.23E-01	3.79E-01	7.25E-01	6.78E-01	1.41E-01	1.92E+00
3468	482863.09	3849377.25	1.50796	0.87239	4.2513	1.67234	2.47E-01	6.77E-01	8.24E-01	1.23E-01	1.87E+00	2.43E-01	2.93E-05	9.04E-03	3.60E-03	2.56E-01	2.95E-01	6.77E-01	8.24E-01	1.23E-01	1.92E+00
3469	483363.09	3849377.25	1.82953	0.81794	5.2331	1.46651	2.99E-01	6.34E-01	1.01E+00	1.08E-01	2.06E+00	2.95E-01	2.75E-05	1.11E-02	3.16E-03	3.09E-01	3.58E-01	6.35E-01	1.01E+00	1.08E-01	2.12E+00
3470	483863.09	3849377.25	1.54603	0.80487	5.5989	1.61177	2.53E-01	6.24E-01	1.09E+00	1.19E-01	2.08E+00	2.49E-01	2.70E-05	1.19E-02	3.47E-03	2.65E-01	3.03E-01	6.24E-01	1.09E+00	1.19E-01	2.13E+00
3471	484363.09	3849377.25	2.21021	0.89889	5.5955	1.92507	3.62E-01	6.97E-01	1.09E+00	1.42E-01	2.29E+00	3.56E-01	3.02E-05	1.19E-02	4.14E-03	3.72E-01	4.32E-01	6.97E-01	1.09E+00	1.42E-01	2.36E+00
3472	484863.09	3849377.25	2.02179	0.86381	7.1903	2.11181	3.31E-01	6.70E-01	1.39E+00	1.55E-01	2.55E+00	3.26E-01	2.90E-05	1.53E-02	4.55E-03	3.46E-01	3.96E-01	6.70E-01	1.39E+00	1.55E-01	2.62E+00
3473	485363.09	3849377.25	2.30346	0.96674	9.8061	2.0503	3.77E-01	7.50E-01	1.90E+00	1.51E-01	3.18E+00	3.71E-01	3.25E-05	2.08E-02	4.41E-03	3.96E-01	4.51E-01	7.50E-01	1.90E+00	1.51E-01	3.25E+00

3474	485863.09	3849377.25	1.80177	0.76878	7.3892	1.68093	2.95E-01	5.96E-01	1.43E+00	1.24E-01	2.45E+00	2.90E-01	2.58E-05	1.57E-02	3.62E-03	3.10E-01	3.53E-01	5.96E-01	1.43E+00	1.24E-01	2.51E+00
3475	486363.09	3849377.25	1.30783	0.75629	5.5682	1.71532	2.14E-01	5.87E-01	1.08E+00	1.26E-01	2.01E+00	2.11E-01	2.54E-05	1.18E-02	3.69E-03	2.26E-01	2.56E-01	5.87E-01	1.08E+00	1.26E-01	2.05E+00
3476	486863.09	3849377.25	1.41568	0.92313	5.4951	1.6892	2.32E-01	7.16E-01	1.07E+00	1.24E-01	2.14E+00	2.28E-01	3.10E-05	1.17E-02	3.64E-03	2.43E-01	2.77E-01	7.16E-01	1.07E+00	1.24E-01	2.18E+00
3477	487363.09	3849377.25	1.21458	0.8949	4.9895	1.74055	1.99E-01	6.94E-01	9.67E-01	1.28E-01	1.99E+00	1.96E-01	3.01E-05	1.06E-02	3.75E-03	2.10E-01	2.38E-01	6.94E-01	9.67E-01	1.28E-01	2.03E+00
3478	487863.09	3849377.25	1.1346	0.65194	5.6855	1.61489	1.86E-01	5.06E-01	1.10E+00	1.19E-01	1.91E+00	1.83E-01	2.19E-05	1.21E-02	3.48E-03	1.98E-01	2.22E-01	5.06E-01	1.10E+00	1.19E-01	1.95E+00
3479	488363.09	3849377.25	1.25471	0.67139	8.4733	1.70436	2.05E-01	5.21E-01	1.64E+00	1.25E-01	2.49E+00	2.02E-01	2.26E-05	1.80E-02	3.67E-03	2.24E-01	2.46E-01	5.21E-01	1.64E+00	1.25E-01	2.53E+00
3480	488863.09	3849377.25	1.22439	0.75727	10.364	1.82004	2.00E-01	5.87E-01	2.01E+00	1.34E-01	2.93E+00	1.97E-01	2.54E-05	2.20E-02	3.92E-03	2.23E-01	2.40E-01	5.87E-01	2.01E+00	1.34E-01	2.97E+00
3481	489363.09	3849377.25	1.41694	0.66077	10.497	1.82805	2.32E-01	5.13E-01	2.04E+00	1.35E-01	2.91E+00	2.28E-01	2.22E-05	2.23E-02	3.94E-03	2.55E-01	2.77E-01	5.13E-01	2.04E+00	1.35E-01	2.96E+00
3482	489863.09	3849377.25	1.55518	0.6241	8.2653	1.67497	2.54E-01	4.84E-01	1.60E+00	1.23E-01	2.46E+00	2.51E-01	2.10E-05	1.76E-02	3.61E-03	2.72E-01	3.04E-01	4.84E-01	1.60E+00	1.23E-01	2.51E+00
3483	490363.09	3849377.25	1.41256	0.56291	7.1397	1.38584	2.31E-01	4.37E-01	1.38E+00	1.02E-01	2.15E+00	2.28E-01	1.89E-05	1.52E-02	2.98E-03	2.46E-01	2.76E-01	4.37E-01	1.38E+00	1.02E-01	2.20E+00
3484	490863.09	3849377.25	1.51638	0.49468	7.3995	1.33353	2.48E-01	3.84E-01	1.43E+00	9.82E-02	2.16E+00	2.44E-01	1.66E-05	1.57E-02	2.87E-03	2.63E-01	2.97E-01	3.84E-01	1.43E+00	9.82E-02	2.21E+00
3485	491363.09	3849377.25	1.4087	0.48775	6.65	1.3083	2.30E-01	3.78E-01	1.29E+00	9.63E-02	1.99E+00	2.27E-01	1.64E-05	1.41E-02	2.82E-03	2.44E-01	2.76E-01	3.78E-01	1.29E+00	9.63E-02	2.04E+00
3486	491863.09	3849377.25	1.25066	0.39653	5.6315	1.23358	2.05E-01	3.08E-01	1.09E+00	9.08E-02	1.69E+00	2.02E-01	1.33E-05	1.20E-02	2.66E-03	2.16E-01	2.45E-01	3.08E-01	1.09E+00	9.08E-02	1.74E+00
3487	492363.09	3849377.25	1.11256	0.34523	4.9799	1.13318	1.82E-01	2.68E-01	9.66E-01	8.34E-02	1.50E+00	1.79E-01	1.16E-05	1.06E-02	2.44E-03	1.92E-01	2.18E-01	2.68E-01	9.66E-01	8.34E-02	1.53E+00
3488	492863.09	3849377.25	0.80026	0.37206	4.3755	1.00485	1.31E-01	2.89E-01	8.48E-01	7.40E-02	1.34E+00	1.29E-01	1.25E-05	9.30E-03	2.16E-03	1.40E-01	1.57E-01	2.89E-01	8.48E-01	7.40E-02	1.37E+00
3489	493363.09	3849377.25	0.67416	0.49624	4.6811	0.94562	1.10E-01	3.85E-01	9.08E-01	6.96E-02	1.47E+00	1.09E-01	1.67E-05	9.95E-03	2.04E-03	1.21E-01	1.32E-01	3.85E-01	9.08E-01	6.96E-02	1.49E+00
3490	493863.09	3849377.25	0.66441	0.60174	5.0592	1.01226	1.09E-01	4.67E-01	9.81E-01	7.45E-02	1.63E+00	1.07E-01	2.02E-05	1.08E-02	2.18E-03	1.20E-01	1.30E-01	4.67E-01	9.81E-01	7.45E-02	1.65E+00
3491	494363.09	3849377.25	0.63378	0.62817	5.3782	1.04776	1.04E-01	4.87E-01	1.04E+00	7.71E-02	1.71E+00	1.02E-01	2.11E-05	1.14E-02	2.26E-03	1.16E-01	1.24E-01	4.87E-01	1.04E+00	7.71E-02	1.73E+00
3492	494863.09	3849377.25	0.78644	0.59046	6.8675	1.10149	1.29E-01	4.58E-01	1.33E+00	8.11E-02	2.00E+00	1.27E-01	1.98E-05	1.46E-02	2.37E-03	1.44E-01	1.54E-01	4.58E-01	1.33E+00	8.11E-02	2.02E+00
3493	495363.09	3849377.25	0.76598	0.61463	6.3596	1.10308	1.25E-01	4.77E-01	1.23E+00	8.12E-02	1.92E+00	1.23E-01	2.06E-05	1.35E-02	2.37E-03	1.39E-01	1.50E-01	4.77E-01	1.23E+00	8.12E-02	1.94E+00
3494	495863.09	3849377.25	0.57768	0.67379	4.8534	0.9193	9.45E-02	5.23E-01	9.41E-01	6.77E-02	1.63E+00	9.31E-02	2.26E-05	1.03E-02	1.98E-03	1.05E-01	1.13E-01	5.23E-01	9.41E-01	6.77E-02	1.64E+00
3495	496363.09	3849377.25	0.58398	0.6839	5.1864	0.89115	9.55E-02	5.31E-01	1.01E+00	6.56E-02	1.70E+00	9.41E-02	2.30E-05	1.10E-02	1.92E-03	1.07E-01	1.14E-01	5.31E-01	1.01E+00	6.56E-02	1.72E+00
3496	496863.09	3849377.25	0.80798	0.58924	6.0168	1.09556	1.32E-01	4.57E-01	1.17E+00	8.07E-02	1.84E+00	1.30E-01	1.98E-05	1.28E-02	2.36E-03	1.45E-01	1.58E-01	4.57E-01	1.17E+00	8.07E-02	1.86E+00
3497	497363.09	3849377.25	0.97672	0.48661	6.1073	1.10051	1.60E-01	3.77E-01	1.18E+00	8.10E-02	1.80E+00	1.57E-01	1.63E-05	1.30E-02	2.37E-03	1.73E-01	1.91E-01	3.77E-01	1.18E+00	8.10E-02	1.83E+00
3498	497863.09	3849377.25	1.31846	0.45087	6.3592	1.26615	2.16E-01	3.50E-01	1.23E+00	9.32E-02	1.89E+00	2.12E-01	1.51E-05	1.35E-02	2.73E-03	2.29E-01	2.58E-01	3.50E-01	1.23E+00	9.32E-02	1.93E+00
3499	498363.09	3849377.25	1.27372	0.47275	5.9022	1.26675	2.08E-01	3.67E-01	1.14E+00	9.33E-02	1.81E+00	2.05E-01	1.59E-05	1.25E-02	2.73E-03	2.21E-01	2.49E-01	3.67E-01	1.14E+00	9.33E-02	1.85E+00
3500	471363.09	3849877.25	5.29374	2.11052	2.9596	1.03382	8.66E-01	1.64E+00	5.74E-01	7.61E-02	3.15E+00	8.53E-01	7.09E-05	6.29E-03	2.23E-03	8.62E-01	1.04E+00	1.64E+00	5.74E-01	7.61E-02	3.32E+00
3501	471863.09	3849877.25	6.23939	3.20767	2.3952	1.03858	1.02E+00	2.49E+00	4.64E-01	7.65E-02	4.05E+00	1.01E+00	1.08E-04	5.09E-03	2.24E-03	1.01E+00	1.22E+00	2.49E+00	4.64E-01	7.65E-02	4.25E+00
3502	472363.09	3849877.25	6.71697	4.13005	2.2221	1.16201	1.10E+00	3.20E+00	4.31E-01	8.56E-02	4.82E+00	1.08E+00	1.39E-04	4.72E-03	2.50E-03	1.09E+00	1.31E+00	3.20E+00	4.31E-01	8.56E-02	5.03E+00
3503	472863.09	3849877.25	5.74634	5.11756	2.3119	1.29926	9.40E-01	3.97E+00	4.48E-01	9.57E-02	5.45E+00	9.26E-01	1.72E-04	4.92E-03	2.80E-03	9.34E-01	1.12E+00	3.97E+00	4.48E-01	9.57E-02	5.64E+00
3504	473363.09	3849877.25	5.67574	5.1526	2.5003	1.39358	9.28E-01	4.00E+00	4.85E-01	1.03E-01	5.51E+00	9.15E-01	1.73E-04	5.32E-03	3.00E-03	9.23E-01	1.11E+00	4.00E+00	4.85E-01	1.03E-01	5.70E+00
3505	473863.09	3849877.25	7.62176	4.64258	3.1391	1.53949	1.25E+00	3.60E+00	6.09E-01	1.13E-01	5.57E+00	1.23E+00	1.56E-04	6.67E-03	3.31E-03	1.24E+00	1.49E+00	3.60E+00	6.09E-01	1.13E-01	5.81E+00
3506	474363.09	3849877.25	8.67381	4.66128	3.642	1.74919	1.42E+00	3.62E+00	7.06E-01	1.29E-01	5.87E+00	1.40E+00	1.57E-04	7.74E-03	3.77E-03	1.41E+00	1.70E+00	3.62E+00	7.06E-01	1.29E-01	6.15E+00
3507	474863.09	3849877.25	8.72071	5.14077	3.7793	1.93756	1.43E+00	3.99E+00	7.33E-01	1.43E-01	6.29E+00	1.41E+00	1.73E-04	8.04E-03	4.17E-03	1.42E+00	1.71E+00	3.99E+00	7.33E-01	1.43E-01	6.57E+00
3508	475363.09	3849877.25	9.25325	5.1863	3.6257	2.09075	1.51E+00	4.02E+00	7.03E-01	1.54E-01	6.39E+00	1.49E+00	1.74E-04	7.71E-03	4.50E-03	1.50E+00	1.81E+00	4.02E+00	7.03E-01	1.54E-01	6.69E+00
3509	475863.09	3849877.25	10.4395	5.17047	3.6191	2.28342	1.71E+00	4.01E+00	7.02E-01	1.68E-01	6.59E+00	1.68E+00	1.74E-04	7.69E-03	4.92E-03	1.69E+00	2.04E+00	4.01E+00	7.02E-01	1.68E-01	6.92E+00
3510	476363.09	3849877.25	9.42047	5.11145	3.5143	2.4404	1.54E+00	3.96E+00	6.81E-01	1.80E-01	6.37E+00	1.52E+00	1.72E-04	7.47E-03	5.25E-03	1.53E+00	1.84E+00	3.97E+00	6.81E-01	1.80E-01	6.67E+00
3511	476863.09	3849877.25	9.04687	6.37002	3.6246	2.42078	1.48E+00	4.94E+00	7.03E-01	1.78E-01	7.30E+00	1.46E+00	2.14E-04	7.71E-03	5.21E-03	1.47E+00	1.77E+00	4.94E+00	7.03E-01	1.78E-01	7.59E+00
3512	477363.09	3849877.25	9.2049	7.05948	3.977	2.34016	1.51E+00	5.48E+00	7.71E-01	1.72E-01	7.93E+00	1.48E+00	2.37E-04	8.46E-03	5.04E-03	1.50E+00	1.80E+00	5.48E+00	7.71E-01	1.72E-01	8.22E+00
3513	477863.09	3849877.25	10.516	6.65666	4.5717	2.08706	1.72E+00	5.16E+00	8.86E-01	1.54E-01	7.92E+00	1.69E+00	2.24E-04	9.72E-03	4.49E-03	1.71E+00	2.06E+00	5.16E+00	8.86E-01	1.54E-01	8.26E+00
3514	478363.09	3849877.25	9.67624	5.53875	5.0235	2.38007	1.58E+00	4.30E+00	9.74E-01	1.75E-01	7.03E+00	1.56E+00	1.86E-04	1.07E-02	5.12E-03	1.58E+00	1.89E+00	4.30E+00	9.74E-01	1.75E-01	7.34E+00
3515	478863.09	3849877.25	13.1277	4.99621	5.1191	2.88976	2.15E+00	3.88E+00	9.93E-01	2.13E-01	7.23E+00	2.12E+00	1.68E-04	1.09E-02	6.22E-03	2.13E+00	2.57E+00	3.88E+00	9.93E-01	2.13E-01	7.65E+00
3516	479363.09	3849877.25	17.1814	3.50823	4.8047	3.27181	2.81E+00	2.72E+00	9.32E-01	2.41E-01	6.70E+00	2.77E+00	1.18E-04	1.02E-02	7.04E-03	2.79E+00	3.36E+00	2.72E+00	9.32E-01	2.41E-01	7.26E+00
3517	479863.09	3849877.25	15.708	2.88606	4.1594	4.03466	2.57E+00	2.24E+00	8.07E-01	2.97E-01	5.91E+00	2.53E+00	9.69E-05	8.84E-03	8.69E-03	2.55E+00	3.07E+00	2.24E+00	8.07E-01	2.97E-01	6.42E+00
3518	480363.09	3849877.25	14.4483	2.34181	4.413	4.60359	2.36E+00	1.82E+00	8.56E-01	3.39E-01	5.37E+00	2.33E+00	7.87E-05	9.38E-03	9.91E-03	2.35E+00	2.83E+00	1.82E+00	8.56E-01	3.39E-01	5.84E+00
3519	480863.09	3849877.25	8.43576	1.73409	9.0358	2.97817	1.38E+00	1.35E+00	1.75E+00	2.19E-01	4.70E+00	1.36E+00	5.83E-05	1.92E-02	6.41E-03	1.38E+00	1.65E+00	1.35E+00	1.75E+00	2.19E-01	4.97E+00
3520	481363.09	3849877.25	7.60247	1.43245	11.043	2.29546	1.24E+00	1.11E+00	2.14E+00	1.69E-01	4.66E+00	1.22E+00	4.81E-05	2.35E-02	4.94E-03	1.25E+00	1.49E+00	1.11E+00	2.14E+00	1.69E-01	4.91E+00
3521	481863.09	3849877.25	3.34427	0.86618	4.7357	1.98654	5.47E-01	6.72E-01	9.18E-01	1.46E-01	2.28E+00	5.39E-01	2.91E-05	1.01E-02	4.28E-03	5.53E-01	6.54E-01	6.72E-01	9.18E-01	1.46E-01	2.39E+00
3522	482363.09	3849877.25	1.97779	0.94475	4.1917	1.96103	3.23E-01	7.33E-01	8.13E-01	1.44E-01	2.01E+00	3.19E-01	3.17E-05	8.91E-03	4.22E-03	3.32E-01	3.87E-01	7.33E-01	8.13E-01	1.44E-01	2.08E+00
3523	482863.09	3849877.25	1.63626	0.88882	3.7969	1.77163	2.68E-01	6.89E-01	7.36E-01	1.30E-01	1.82E+00	2.64E-01	2.99E-05	8.07E-03	3.81E-03	2.76E-01	3.20E-01	6.89E-01	7.36E-01	1.30E-01	1.88E+00
3524	483363.09	3849877.25	1.73283	0.83696	4.9574	1.54852	2.83E-01	6.49E-01	9.61E-01	1.14E-01	2.01E+00	2.79E-01	2.81E-05	1.05E-02	3.33E-03	2.93E-01	3.39E-01	6.49E-01	9.61E-01	1.14E-01	2.06E+00
3525	483863.09	3849877.25	1.95063	0.81792	5.8113	1.60837	3.19E-01	6.34E-01	1.13E+00	1.18E-01	2.20E+00	3.14E-01	2.75E-05	1.24E-02	3.46E-03	3.30E-01	3.82E-01	6.34E-01	1.13E+00	1.18E-01	2.26E+00
3526	484363.09	3849877.25	2.46582	0.91365	5.7956	1.96183	4.03E-01	7.09E-01	1.12E+00	1.44E-01	2.38E+00	3.97E-01	3.07E-05	1.23E-02	4.22E-03	4.14E-01	4.83E-01	7.09E-01	1.12E+00	1.44E-01	2.46E+00
3527	484863.09	3849877.25	2.25538	0.87523	7.7775	2.16859	3.69E-01	6.79E-01	1.51E+00	1.60E-01	2.72E+00	3.63E-01	2.94E-05	1.65E-02	4.67E-03	3.85E-01	4.41E-01	6.79E-01	1.51E+00	1.60E-01	2.79E+00
3528	485363.09	3849877.25	2.37568	1.00487	9.7245	2.13073	3.89E-01	7.79E-01	1.89E+00	1.57E-01	3.21E+00	3.83E-01	3.38E-05	2.07E-02	4.59E-03	4.08E-01	4.65E-01	7.80E-01	1.89E+00	1.57E-01	3.29E+00
3529	485863.09	3849877.25	1.88943	0.87337	8.2437	1.86835	3.09E-01	6.77E-01	1.60E+00	1.38E-01	2.72E+00	3.04E-01	2.93E-05	1.75E-02	4.02E-03	3.26E-01	3.70E-01	6.78E-01	1.60E+00	1.38E-01	2.78E+00
3530	486363.09	3849877.25	1.46208	0.75601	7.576	1.7449	2.39E-01	5.86E-01	1.47E+00	1.28E-01	2.42E+00	2.36E-01	2.54E-05	1.61E-02	3.76E-03	2.55E-01	2.86E-01	5.86E-01	1.47E+00	1.28E-01	2.47E+00
3531	486863.09	3849877.25	1.43825	0.97674	6.2099	1.81941	2.35E-01	7.58E-01	1.20E+00	1.34E-01	2.33E+00	2.32E-01	3.28E-05	1.32E-02	3.92E-03	2.49E-01	2.81E-01	7.58E-01	1.20E+00	1.34E-01	2.38E+00
3532	487363.09	3849877.25	1.27286	0.98003	5.4395	1.80143	2.08E-01	7.60E-01	1.05E+00	1.33E-01	2.16E+00	2.05E-01	3.29E-05	1.16E-02	3.88E-03	2.21E-01	2.49E-01	7.60E-01	1.05E+00	1.33E-01	2.20E+00
3533	487863.09	3849877.25	1.27521	0.67783	5.9141	1.82926	2.09E-01	5.26E-01	1.15E+00	1.35E-01	2.02E+00	2.05E-01	2.28E-05	1.26E-02	3.94E-03	2.22E-01	2.50E-01	5.26E-01	1.15E+00	1.35E-01	2.06E+00
3534	488363.09	3849877.25	1.31763	0.72133	8.9444	1.93785	2.16E-01	5.60E-01	1.73E+00	1.43E-01	2.65E+00	2.12E-01	2.42E-05	1.90E-02	4.17E-03	2.36E-01	2.58E-01	5.60E-01	1.73E+00	1.43E-01	2.69E+00

3535	488863.09	3849877.25	1.40642	0.80272	10.88	1.92642	2.30E-01	6.23E-01	2.11E+00	1.42E-01	3.10E+00	2.27E-01	2.70E-05	2.31E-02	4.15E-03	2.54E-01	2.75E-01	6.23E-01	2.11E+00	1.42E-01	3.15E+00
3536	489363.09	3849877.25	1.7062	0.69415	10.747	2.00147	2.79E-01	5.38E-01	2.08E+00	1.47E-01	3.05E+00	2.75E-01	2.33E-05	2.28E-02	4.31E-03	3.02E-01	3.34E-01	5.38E-01	2.08E+00	1.47E-01	3.10E+00
3537	489863.09	3849877.25	1.79116	0.6592	8.3271	1.81202	2.93E-01	5.11E-01	1.61E+00	1.33E-01	2.55E+00	2.89E-01	2.21E-05	1.77E-02	3.90E-03	3.10E-01	3.50E-01	5.11E-01	1.61E+00	1.33E-01	2.61E+00
3538	490363.09	3849877.25	1.53036	0.5309	7.7898	1.38911	2.50E-01	4.12E-01	1.51E+00	1.02E-01	2.27E+00	2.47E-01	1.78E-05	1.66E-02	2.99E-03	2.66E-01	2.99E-01	4.12E-01	1.51E+00	1.02E-01	2.32E+00
3539	490863.09	3849877.25	1.54792	0.47519	8.1615	1.3788	2.53E-01	3.69E-01	1.58E+00	1.02E-01	2.31E+00	2.49E-01	1.60E-05	1.74E-02	2.97E-03	2.70E-01	3.03E-01	3.69E-01	1.58E+00	1.02E-01	2.36E+00
3540	491363.09	3849877.25	1.49936	0.45518	7.3984	1.40447	2.45E-01	3.53E-01	1.43E+00	1.03E-01	2.14E+00	2.42E-01	1.53E-05	1.57E-02	3.02E-03	2.60E-01	2.93E-01	3.53E-01	1.43E+00	1.03E-01	2.18E+00
3541	491863.09	3849877.25	1.20683	0.36341	5.9145	1.26904	1.97E-01	2.82E-01	1.15E+00	9.34E-02	1.72E+00	1.94E-01	1.22E-05	1.26E-02	2.73E-03	2.10E-01	2.36E-01	2.82E-01	1.15E+00	9.34E-02	1.76E+00
3542	492363.09	3849877.25	1.04579	0.38007	4.8573	1.21721	1.71E-01	2.95E-01	9.42E-01	8.96E-02	1.50E+00	1.69E-01	1.28E-05	1.03E-02	2.62E-03	1.81E-01	2.05E-01	2.95E-01	9.42E-01	8.96E-02	1.53E+00
3543	492863.09	3849877.25	0.80474	0.46729	4.9659	1.13752	1.32E-01	3.62E-01	9.63E-01	8.37E-02	1.54E+00	1.30E-01	1.57E-05	1.06E-02	2.45E-03	1.43E-01	1.57E-01	3.62E-01	9.63E-01	8.37E-02	1.57E+00
3544	493363.09	3849877.25	0.67124	0.58902	5.2641	1.02448	1.10E-01	4.57E-01	1.02E+00	7.54E-02	1.66E+00	1.08E-01	1.98E-05	1.12E-02	2.21E-03	1.22E-01	1.31E-01	4.57E-01	1.02E+00	7.54E-02	1.68E+00
3545	493863.09	3849877.25	0.63812	0.63655	5.5812	1.06639	1.04E-01	4.94E-01	1.08E+00	7.85E-02	1.76E+00	1.03E-01	2.14E-05	1.19E-02	2.30E-03	1.17E-01	1.25E-01	4.94E-01	1.08E+00	7.85E-02	1.78E+00
3546	494363.09	3849877.25	0.79222	0.60075	7.187	1.16512	1.30E-01	4.66E-01	1.39E+00	8.58E-02	2.07E+00	1.28E-01	2.02E-05	1.53E-02	2.51E-03	1.45E-01	1.55E-01	4.66E-01	1.39E+00	8.58E-02	2.10E+00
3547	494863.09	3849877.25	0.78397	0.61322	6.8109	1.18351	1.28E-01	4.76E-01	1.32E+00	8.71E-02	2.01E+00	1.26E-01	2.06E-05	1.45E-02	2.55E-03	1.43E-01	1.53E-01	4.76E-01	1.32E+00	8.71E-02	2.04E+00
3548	495363.09	3849877.25	0.69722	0.70317	5.8153	1.1143	1.14E-01	5.45E-01	1.13E+00	8.20E-02	1.87E+00	1.12E-01	2.36E-05	1.24E-02	2.40E-03	1.27E-01	1.36E-01	5.45E-01	1.13E+00	8.20E-02	1.89E+00
3549	495863.09	3849877.25	0.87398	0.73671	7.167	1.24819	1.43E-01	5.71E-01	1.39E+00	9.19E-02	2.20E+00	1.41E-01	2.47E-05	1.52E-02	2.69E-03	1.59E-01	1.71E-01	5.71E-01	1.39E+00	9.19E-02	2.22E+00
3550	496363.09	3849877.25	1.03018	0.63676	6.871	1.27462	1.68E-01	4.94E-01	1.33E+00	9.38E-02	2.09E+00	1.66E-01	2.14E-05	1.46E-02	2.74E-03	1.83E-01	2.02E-01	4.94E-01	1.33E+00	9.38E-02	2.12E+00
3551	496863.09	3849877.25	1.14789	0.53208	6.38	1.2757	1.88E-01	4.13E-01	1.24E+00	9.39E-02	1.93E+00	1.85E-01	1.79E-05	1.36E-02	2.75E-03	2.01E-01	2.25E-01	4.13E-01	1.24E+00	9.39E-02	1.97E+00
3552	497363.09	3849877.25	1.30286	0.49512	6.6607	1.33418	2.13E-01	3.84E-01	1.29E+00	9.82E-02	1.99E+00	2.10E-01	1.66E-05	1.42E-02	2.87E-03	2.27E-01	2.55E-01	3.84E-01	1.29E+00	9.82E-02	2.03E+00
3553	497863.09	3849877.25	1.43724	0.52288	6.234	1.3026	2.35E-01	4.06E-01	1.21E+00	9.59E-02	1.95E+00	2.32E-01	1.76E-05	1.33E-02	2.80E-03	2.48E-01	2.81E-01	4.06E-01	1.21E+00	9.59E-02	1.99E+00
3554	498363.09	3849877.25	1.32478	0.53946	6.1543	1.26915	2.17E-01	4.18E-01	1.19E+00	9.34E-02	1.92E+00	2.13E-01	1.81E-05	1.31E-02	2.73E-03	2.29E-01	2.59E-01	4.18E-01	1.19E+00	9.34E-02	1.96E+00
3555	471363.09	3850377.25	2.87809	0.81599	4.1111	1.16905	4.71E-01	6.33E-01	7.97E-01	8.61E-02	1.99E+00	4.64E-01	2.74E-05	8.74E-03	2.52E-03	4.75E-01	5.63E-01	6.33E-01	7.97E-01	8.61E-02	2.08E+00
3556	471863.09	3850377.25	4.69746	1.76387	4.0677	1.16321	7.68E-01	1.37E+00	7.89E-01	8.56E-02	3.01E+00	7.57E-01	5.93E-05	8.65E-03	2.50E-03	7.68E-01	9.19E-01	1.37E+00	7.89E-01	8.56E-02	3.16E+00
3557	472363.09	3850377.25	5.79699	2.54886	3.3362	1.08721	9.48E-01	1.98E+00	6.47E-01	8.00E-02	3.65E+00	9.34E-01	8.56E-05	7.09E-03	2.34E-03	9.44E-01	1.13E+00	1.98E+00	6.47E-01	8.00E-02	3.84E+00
3558	472863.09	3850377.25	6.8319	3.96679	2.6948	1.10935	1.12E+00	3.08E+00	5.23E-01	8.17E-02	4.80E+00	1.10E+00	1.33E-04	5.73E-03	2.39E-03	1.11E+00	1.34E+00	3.08E+00	5.23E-01	8.17E-02	5.02E+00
3559	473363.09	3850377.25	7.40047	4.57926	2.3629	1.22889	1.21E+00	3.55E+00	4.58E-01	9.05E-02	5.31E+00	1.19E+00	1.54E-04	5.02E-03	2.65E-03	1.20E+00	1.45E+00	3.55E+00	4.58E-01	9.05E-02	5.55E+00
3560	473863.09	3850377.25	6.57031	5.40494	2.4593	1.37847	1.07E+00	4.19E+00	4.77E-01	1.01E-01	5.85E+00	1.06E+00	1.82E-04	5.23E-03	2.97E-03	1.07E+00	1.29E+00	4.19E+00	4.77E-01	1.01E-01	6.06E+00
3561	474363.09	3850377.25	6.35424	5.55148	2.7212	1.52451	1.04E+00	4.31E+00	5.28E-01	1.12E-01	5.99E+00	1.02E+00	1.86E-04	5.79E-03	3.28E-03	1.03E+00	1.24E+00	4.31E+00	5.28E-01	1.12E-01	6.19E+00
3562	474863.09	3850377.25	8.31996	5.05522	3.4272	1.71663	1.36E+00	3.92E+00	6.65E-01	1.26E-01	6.07E+00	1.34E+00	1.70E-04	7.29E-03	3.70E-03	1.35E+00	1.63E+00	3.92E+00	6.65E-01	1.26E-01	6.34E+00
3563	475363.09	3850377.25	9.23335	5.58657	3.8685	1.96995	1.51E+00	4.33E+00	7.50E-01	1.45E-01	6.74E+00	1.49E+00	1.88E-04	8.23E-03	4.24E-03	1.50E+00	1.81E+00	4.33E+00	7.50E-01	1.45E-01	7.04E+00
3564	475863.09	3850377.25	9.24267	5.57339	3.8737	2.15155	1.51E+00	4.32E+00	7.51E-01	1.58E-01	6.74E+00	1.49E+00	1.87E-04	8.24E-03	4.63E-03	1.50E+00	1.81E+00	4.32E+00	7.51E-01	1.58E-01	7.04E+00
3565	476363.09	3850377.25	10.7422	5.78425	3.8319	2.33673	1.76E+00	4.49E+00	7.43E-01	1.72E-01	7.16E+00	1.73E+00	1.94E-04	8.15E-03	5.03E-03	1.74E+00	2.10E+00	4.49E+00	7.43E-01	1.72E-01	7.50E+00
3566	476863.09	3850377.25	11.1976	5.58608	3.7827	2.55627	1.83E+00	4.33E+00	7.33E-01	1.88E-01	7.09E+00	1.80E+00	1.88E-04	8.04E-03	5.50E-03	1.82E+00	2.19E+00	4.33E+00	7.33E-01	1.88E-01	7.45E+00
3567	477363.09	3850377.25	9.21973	6.88936	3.7462	2.57813	1.51E+00	5.34E+00	7.26E-01	1.90E-01	7.77E+00	1.49E+00	2.31E-04	7.97E-03	5.55E-03	1.50E+00	1.80E+00	5.34E+00	7.26E-01	1.90E-01	8.06E+00
3568	477863.09	3850377.25	9.9038	7.56952	4.1089	2.48821	1.62E+00	5.87E+00	7.97E-01	1.83E-01	8.47E+00	1.60E+00	2.54E-04	8.74E-03	5.36E-03	1.61E+00	1.94E+00	5.87E+00	7.97E-01	1.83E-01	8.79E+00
3569	478363.09	3850377.25	11.7636	7.15368	4.6599	2.22126	1.92E+00	5.55E+00	9.04E-01	1.64E-01	8.54E+00	1.90E+00	2.40E-04	9.91E-03	4.78E-03	1.91E+00	2.30E+00	5.55E+00	9.04E-01	1.64E-01	8.92E+00
3570	478863.09	3850377.25	9.71344	6.84764	5.2263	2.24502	1.59E+00	5.31E+00	1.01E+00	1.65E-01	8.08E+00	1.57E+00	2.30E-04	1.11E-02	4.83E-03	1.58E+00	1.90E+00	5.31E+00	1.01E+00	1.65E-01	8.39E+00
3571	479363.09	3850377.25	12.553	5.88374	5.4077	2.56055	2.05E+00	4.56E+00	1.05E+00	1.89E-01	7.85E+00	2.02E+00	1.98E-04	1.15E-02	5.51E-03	2.04E+00	2.46E+00	4.56E+00	1.05E+00	1.89E-01	8.26E+00
3572	479863.09	3850377.25	17.6553	3.99112	5.1184	3.04227	2.89E+00	3.10E+00	9.92E-01	2.24E-01	7.20E+00	2.84E+00	1.34E-04	1.09E-02	6.55E-03	2.86E+00	3.45E+00	3.10E+00	9.92E-01	2.24E-01	7.77E+00
3573	480363.09	3850377.25	17.2209	2.98748	4.4284	4.41908	2.82E+00	2.32E+00	8.59E-01	3.25E-01	6.32E+00	2.77E+00	1.00E-04	9.42E-03	9.51E-03	2.79E+00	3.37E+00	2.32E+00	8.59E-01	3.25E-01	6.87E+00
3574	480863.09	3850377.25	16.7821	3.04032	4.5591	4.30432	2.74E+00	2.36E+00	8.84E-01	3.17E-01	6.30E+00	2.70E+00	1.02E-04	9.69E-03	9.27E-03	2.72E+00	3.28E+00	2.36E+00	8.84E-01	3.17E-01	6.84E+00
3575	481363.09	3850377.25	8.81402	1.65003	10.27	2.66241	1.44E+00	1.28E+00	1.99E+00	1.96E-01	4.91E+00	1.42E+00	5.54E-05	2.18E-02	5.73E-03	1.45E+00	1.72E+00	1.28E+00	1.99E+00	1.96E-01	5.19E+00
3576	481863.09	3850377.25	7.62509	1.35916	13.504	3.35404	1.25E+00	1.05E+00	2.62E+00	2.47E-01	5.17E+00	1.23E+00	4.57E-05	2.87E-02	7.22E-03	1.26E+00	1.49E+00	1.05E+00	2.62E+00	2.47E-01	5.41E+00
3577	482363.09	3850377.25	5.27335	1.12888	6.9097	3.52118	8.63E-01	8.76E-01	1.34E+00	2.59E-01	3.34E+00	8.50E-01	3.79E-05	1.47E-02	7.58E-03	8.72E-01	1.03E+00	8.76E-01	1.34E+00	2.59E-01	3.51E+00
3578	482863.09	3850377.25	2.50503	0.99507	4.4559	1.87278	4.10E-01	7.72E-01	8.64E-01	1.38E-01	2.18E+00	4.04E-01	3.34E-05	9.47E-03	4.03E-03	4.17E-01	4.90E-01	7.72E-01	8.64E-01	1.38E-01	2.26E+00
3579	483363.09	3850377.25	1.83434	0.87445	4.5014	1.64546	3.00E-01	6.78E-01	8.73E-01	1.21E-01	1.97E+00	2.96E-01	2.94E-05	9.57E-03	3.54E-03	3.09E-01	3.59E-01	6.78E-01	8.73E-01	1.21E-01	2.03E+00
3580	483863.09	3850377.25	2.3993	0.88322	5.74	1.58666	3.92E-01	6.85E-01	1.11E+00	1.17E-01	2.31E+00	3.87E-01	2.97E-05	1.22E-02	3.42E-03	4.02E-01	4.69E-01	6.85E-01	1.11E+00	1.17E-01	2.38E+00
3581	484363.09	3850377.25	3.16273	0.91964	6.6775	2.00123	5.17E-01	7.13E-01	1.29E+00	1.47E-01	2.67E+00	5.10E-01	3.09E-05	1.42E-02	4.31E-03	5.28E-01	6.19E-01	7.13E-01	1.29E+00	1.47E-01	2.77E+00
3582	484863.09	3850377.25	2.56243	0.8851	7.3216	2.19321	4.19E-01	6.87E-01	1.42E+00	1.61E-01	2.69E+00	4.13E-01	2.97E-05	1.56E-02	4.72E-03	4.33E-01	5.01E-01	6.87E-01	1.42E+00	1.61E-01	2.77E+00
3583	485363.09	3850377.25	2.60333	1.02832	9.7963	2.27389	4.26E-01	7.98E-01	1.90E+00	1.67E-01	3.29E+00	4.19E-01	3.45E-05	2.08E-02	4.90E-03	4.45E-01	5.09E-01	7.98E-01	1.90E+00	1.67E-01	3.37E+00
3584	485863.09	3850377.25	2.26631	0.92424	11.024	2.218	3.71E-01	7.17E-01	2.14E+00	1.63E-01	3.39E+00	3.65E-01	3.10E-05	2.34E-02	4.77E-03	3.93E-01	4.43E-01	7.17E-01	2.14E+00	1.63E-01	3.46E+00
3585	486363.09	3850377.25	1.83375	0.77633	12.034	1.98345	3.00E-01	6.02E-01	2.33E+00	1.46E-01	3.38E+00	2.95E-01	2.61E-05	2.56E-02	4.27E-03	3.25E-01	3.59E-01	6.02E-01	2.33E+00	1.46E-01	3.44E+00
3586	486863.09	3850377.25	1.7919	1.00633	9.8703	1.84915	2.93E-01	7.81E-01	1.91E+00	1.36E-01	3.12E+00	2.89E-01	3.38E-05	2.10E-02	3.98E-03	3.14E-01	3.51E-01	7.81E-01	1.91E+00	1.36E-01	3.18E+00
3587	487363.09	3850377.25	1.3765	1.01947	5.995	1.82698	2.25E-01	7.91E-01	1.16E+00	1.35E-01	2.31E+00	2.22E-01	3.42E-05	1.27E-02	3.93E-03	2.39E-01	2.69E-01	7.91E-01	1.16E+00	1.35E-01	2.36E+00
3588	487863.09	3850377.25	1.3906	0.721	6.1538	1.96732	2.27E-01	5.59E-01	1.19E+00	1.45E-01	2.12E+00	2.24E-01	2.42E-05	1.31E-02	4.24E-03	2.41E-01	2.72E-01	5.59E-01	1.19E+00	1.45E-01	2.17E+00
3589	488363.09	3850377.25	1.38965	0.78461	9.4595	2.04488	2.27E-01	6.09E-01	1.83E+00	1.51E-01	2.82E+00	2.24E-01	2.64E-05	2.01E-02	4.40E-03	2.48E-01	2.72E-01	6.09E-01	1.83E+00	1.51E-01	2.87E+00
3590	488863.09	3850377.25	1.74653	0.82041	11.43	2.08345	2.86E-01	6.36E-01	2.22E+00	1.53E-01	3.29E+00	2.81E-01	2.76E-05	2.43E-02	4.49E-03	3.10E-01	3.42E-01	6.36E-01	2.22E+00	1.53E-01	3.35E+00
3591	489363.09	3850377.25	1.8005	0.68195	10.896	2.01625	2.94E-01	5.29E-01	2.11E+00	1.48E-01	3.08E+00	2.90E-01	2.29E-05	2.32E-02	4.34E-03	3.18E-01	3.52E-01	5.29E-01	2.11E+00	1.48E-01	3.14E+00
3592	489863.09	3850377.25	1.8885	0.64365	8.7046	1.85321	3.09E-01	4.99E-01	1.69E+00	1.36E-01	2.63E+00	3.04E-01	2.16E-05	1.85E-02	3.99E-03	3.27E-01	3.70E-01	4.99E-01	1.69E+00	1.36E-01	2.69E+00
3593	490363.09	3850377.25	1.90013	0.61374	8.3705	1.72036	3.11E-01	4.76E-01	1.62E+00	1.27E-01	2.54E+00	3.06E-01	2.06E-05	1.78E-02	3.70E-03	3.28E-01	3.72E-01	4.76E-01	1.62E+00	1.27E-01	2.60E+00
3594	490863.09	3850377.25	1.78663	0.52697	8.5241	1.63585	2.92E-01	4.09E-01	1.65E+00	1.20E-01	2.47E+00	2.88E-01	1.77E-05	1.81E-02	3.52E-03	3.10E-01	3.50E-01	4.09E-01	1.65E+00	1.20E-01	2.53E+00
3595	491363.09	3850377.25	1.46581	0.42648	7.9522	1.47884	2.40E-01	3.31E-01	1.54E+00	1.09E-01	2.22E+00	2.36E-01	1.43E-05	1.69E-02	3.18E-03	2.56E-01	2.87E-01	3.31E-01	1.54E+00	1.09E-01	2.27E+00

3596	491863.09	3850377.25	1.22746	0.38653	6.7321	1.3459	2.01E-01	3.00E-01	1.31E+00	9.91E-02	1.91E+00	1.98E-01	1.30E-05	1.43E-02	2.90E-03	2.15E-01	2.40E-01	3.00E-01	1.31E+00	9.91E-02	1.94E+00
3597	492363.09	3850377.25	0.89306	0.46007	5.1947	1.27489	1.46E-01	3.57E-01	1.01E+00	9.39E-02	1.60E+00	1.44E-01	1.55E-05	1.10E-02	2.74E-03	1.58E-01	1.75E-01	3.57E-01	1.01E+00	9.39E-02	1.63E+00
3598	492863.09	3850377.25	0.82312	0.60186	5.7278	1.30469	1.35E-01	4.67E-01	1.11E+00	9.61E-02	1.81E+00	1.33E-01	2.02E-05	1.22E-02	2.81E-03	1.48E-01	1.61E-01	4.67E-01	1.11E+00	9.61E-02	1.83E+00
3599	493363.09	3850377.25	0.80913	0.64124	6.3534	1.14413	1.32E-01	4.97E-01	1.23E+00	8.42E-02	1.95E+00	1.30E-01	2.15E-05	1.35E-02	2.46E-03	1.46E-01	1.58E-01	4.97E-01	1.23E+00	8.42E-02	1.97E+00
3600	493863.09	3850377.25	0.79856	0.6167	7.4549	1.21131	1.31E-01	4.78E-01	1.45E+00	8.92E-02	2.14E+00	1.29E-01	2.07E-05	1.59E-02	2.61E-03	1.47E-01	1.56E-01	4.78E-01	1.45E+00	8.92E-02	2.17E+00
3601	494363.09	3850377.25	0.7806	0.58843	7.3411	1.22375	1.28E-01	4.56E-01	1.42E+00	9.01E-02	2.10E+00	1.26E-01	1.98E-05	1.56E-02	2.63E-03	1.44E-01	1.53E-01	4.56E-01	1.42E+00	9.01E-02	2.12E+00
3602	494863.09	3850377.25	0.95119	0.68548	7.8894	1.37311	1.56E-01	5.32E-01	1.53E+00	1.01E-01	2.32E+00	1.53E-01	2.30E-05	1.68E-02	2.96E-03	1.73E-01	1.86E-01	5.32E-01	1.53E+00	1.01E-01	2.35E+00
3603	495363.09	3850377.25	1.15966	0.75987	7.553	1.5705	1.90E-01	5.89E-01	1.46E+00	1.16E-01	2.36E+00	1.87E-01	2.55E-05	1.61E-02	3.38E-03	2.06E-01	2.27E-01	5.89E-01	1.46E+00	1.16E-01	2.40E+00
3604	495863.09	3850377.25	1.19475	0.70904	7.3303	1.6146	1.95E-01	5.50E-01	1.42E+00	1.19E-01	2.29E+00	1.93E-01	2.38E-05	1.56E-02	3.48E-03	2.12E-01	2.34E-01	5.50E-01	1.42E+00	1.19E-01	2.32E+00
3605	496363.09	3850377.25	1.31095	0.60977	7.5595	1.53812	2.14E-01	4.73E-01	1.47E+00	1.13E-01	2.27E+00	2.11E-01	2.05E-05	1.61E-02	3.31E-03	2.31E-01	2.57E-01	4.73E-01	1.47E+00	1.13E-01	2.31E+00
3606	496863.09	3850377.25	1.45999	0.54599	6.9686	1.37575	2.39E-01	4.24E-01	1.35E+00	1.01E-01	2.11E+00	2.35E-01	1.83E-05	1.48E-02	2.96E-03	2.53E-01	2.86E-01	4.24E-01	1.35E+00	1.01E-01	2.16E+00
3607	497363.09	3850377.25	1.4586	0.5489	6.6352	1.33421	2.39E-01	4.26E-01	1.29E+00	9.82E-02	2.05E+00	2.35E-01	1.84E-05	1.41E-02	2.87E-03	2.52E-01	2.85E-01	4.26E-01	1.29E+00	9.82E-02	2.10E+00
3608	497863.09	3850377.25	1.41831	0.5841	6.4693	1.28681	2.32E-01	4.53E-01	1.25E+00	9.47E-02	2.03E+00	2.29E-01	1.96E-05	1.38E-02	2.77E-03	2.45E-01	2.78E-01	4.53E-01	1.25E+00	9.47E-02	2.08E+00
3609	498363.09	3850377.25	1.35715	0.58284	6.657	1.3044	2.22E-01	4.52E-01	1.29E+00	9.60E-02	2.06E+00	2.19E-01	1.96E-05	1.42E-02	2.81E-03	2.36E-01	2.66E-01	4.52E-01	1.29E+00	9.60E-02	2.10E+00
3610	471363.09	3850877.25	3.41669	0.98973	5.2469	1.50532	5.59E-01	7.68E-01	1.02E+00	1.11E-01	2.45E+00	5.51E-01	3.32E-05	1.12E-02	3.24E-03	5.65E-01	6.69E-01	7.68E-01	1.02E+00	1.11E-01	2.56E+00
3611	471863.09	3850877.25	4.04714	1.23083	5.5047	1.52573	6.62E-01	9.55E-01	1.07E+00	1.12E-01	2.80E+00	6.52E-01	4.13E-05	1.17E-02	3.28E-03	6.67E-01	7.92E-01	9.55E-01	1.07E+00	1.12E-01	2.93E+00
3612	472363.09	3850877.25	4.87726	1.91902	5.3451	1.48346	7.98E-01	1.49E+00	1.04E+00	1.09E-01	3.43E+00	7.86E-01	6.45E-05	1.14E-02	3.19E-03	8.01E-01	9.54E-01	1.49E+00	1.04E+00	1.09E-01	3.59E+00
3613	472863.09	3850877.25	5.735	3.0671	4.7605	1.33336	9.38E-01	2.38E+00	9.23E-01	9.82E-02	4.34E+00	9.24E-01	1.03E-04	1.01E-02	2.87E-03	9.37E-01	1.12E+00	2.38E+00	9.23E-01	9.82E-02	4.52E+00
3614	473363.09	3850877.25	6.34467	2.94362	3.7323	1.14613	1.04E+00	2.28E+00	7.24E-01	8.44E-02	4.13E+00	1.02E+00	9.89E-05	7.94E-03	2.47E-03	1.03E+00	1.24E+00	2.28E+00	7.24E-01	8.44E-02	4.33E+00
3615	473863.09	3850877.25	7.28081	4.05698	2.9021	1.17972	1.19E+00	3.15E+00	5.63E-01	8.69E-02	4.99E+00	1.17E+00	1.36E-04	6.17E-03	2.54E-03	1.18E+00	1.42E+00	3.15E+00	5.63E-01	8.69E-02	5.22E+00
3616	474363.09	3850877.25	7.98033	5.669	2.5241	1.32645	1.31E+00	4.40E+00	4.89E-01	9.77E-02	6.29E+00	1.29E+00	1.90E-04	5.37E-03	2.86E-03	1.29E+00	1.56E+00	4.40E+00	4.89E-01	9.77E-02	6.55E+00
3617	474863.09	3850877.25	7.37959	6.1132	2.6278	1.48099	1.21E+00	4.74E+00	5.10E-01	1.09E-01	6.57E+00	1.19E+00	2.05E-04	5.59E-03	3.19E-03	1.20E+00	1.44E+00	4.74E+00	5.10E-01	1.09E-01	6.80E+00
3618	475363.09	3850877.25	7.08786	5.69139	3.0205	1.68704	1.16E+00	4.41E+00	5.86E-01	1.24E-01	6.28E+00	1.14E+00	1.91E-04	6.42E-03	3.63E-03	1.15E+00	1.39E+00	4.42E+00	5.86E-01	1.24E-01	6.51E+00
3619	475863.09	3850877.25	9.03586	5.66152	3.73	1.96972	1.48E+00	4.39E+00	7.23E-01	1.45E-01	6.74E+00	1.46E+00	1.90E-04	7.93E-03	4.24E-03	1.47E+00	1.77E+00	4.39E+00	7.23E-01	1.45E-01	7.03E+00
3620	476363.09	3850877.25	9.20363	6.04977	4.0699	2.21168	1.51E+00	4.69E+00	7.89E-01	1.63E-01	7.15E+00	1.48E+00	2.03E-04	8.65E-03	4.76E-03	1.50E+00	1.80E+00	4.69E+00	7.89E-01	1.63E-01	7.45E+00
3621	476863.09	3850877.25	9.47616	6.33639	3.9873	2.4317	1.55E+00	4.92E+00	7.73E-01	1.79E-01	7.42E+00	1.53E+00	2.13E-04	8.48E-03	5.23E-03	1.54E+00	1.85E+00	4.92E+00	7.73E-01	1.79E-01	7.72E+00
3622	477363.09	3850877.25	11.3775	6.18296	4.0531	2.67031	1.86E+00	4.80E+00	7.86E-01	1.97E-01	7.64E+00	1.83E+00	2.08E-04	8.62E-03	5.75E-03	1.85E+00	2.23E+00	4.80E+00	7.86E-01	1.97E-01	8.01E+00
3623	477863.09	3850877.25	10.9952	7.44975	4.0035	2.74881	1.80E+00	5.78E+00	7.76E-01	2.02E-01	8.56E+00	1.77E+00	2.50E-04	8.51E-03	5.92E-03	1.79E+00	2.15E+00	5.78E+00	7.76E-01	2.02E-01	8.91E+00
3624	478363.09	3850877.25	10.9011	8.45828	4.2511	2.65313	1.78E+00	6.56E+00	8.24E-01	1.95E-01	9.36E+00	1.76E+00	2.84E-04	9.04E-03	5.71E-03	1.77E+00	2.13E+00	6.56E+00	8.24E-01	1.95E-01	9.71E+00
3625	478863.09	3850877.25	11.2459	8.9721	4.732	2.37251	1.84E+00	6.96E+00	9.18E-01	1.75E-01	9.89E+00	1.81E+00	3.01E-04	1.01E-02	5.11E-03	1.83E+00	2.20E+00	6.96E+00	9.18E-01	1.75E-01	1.03E+01
3626	479363.09	3850877.25	10.562	7.81555	5.4273	2.18403	1.73E+00	6.06E+00	1.05E+00	1.61E-01	9.00E+00	1.70E+00	2.63E-04	1.15E-02	4.70E-03	1.72E+00	2.07E+00	6.06E+00	1.05E+00	1.61E-01	9.34E+00
3627	479863.09	3850877.25	11.9274	6.08046	5.7168	2.5982	1.95E+00	4.72E+00	1.11E+00	1.91E-01	7.97E+00	1.92E+00	2.04E-04	1.22E-02	5.59E-03	1.94E+00	2.33E+00	4.72E+00	1.11E+00	1.91E-01	8.35E+00
3628	480363.09	3850877.25	15.2737	4.80996	5.4677	2.57809	2.50E+00	3.73E+00	1.06E+00	1.90E-01	7.48E+00	2.46E+00	1.62E-04	1.16E-02	5.55E-03	2.48E+00	2.99E+00	3.73E+00	1.06E+00	1.90E-01	7.97E+00
3629	480863.09	3850877.25	18.3155	4.05318	4.7338	3.3106	3.00E+00	3.14E+00	9.18E-01	2.44E-01	7.30E+00	2.95E+00	1.36E-04	1.01E-02	7.13E-03	2.97E+00	3.58E+00	3.14E+00	9.18E-01	2.44E-01	7.89E+00
3630	481363.09	3850877.25	17.5022	3.54972	4.622	3.58804	2.86E+00	2.75E+00	8.96E-01	2.64E-01	6.78E+00	2.82E+00	1.19E-04	9.83E-03	7.72E-03	2.84E+00	3.42E+00	2.75E+00	8.96E-01	2.64E-01	7.34E+00
3631	481863.09	3850877.25	14.6285	2.35969	10.516	3.34198	2.39E+00	1.83E+00	2.04E+00	2.46E-01	6.51E+00	2.36E+00	7.93E-05	2.24E-02	7.19E-03	2.39E+00	2.86E+00	1.83E+00	2.04E+00	2.46E-01	6.98E+00
3632	482363.09	3850877.25	8.68953	1.51757	12.347	3.6696	1.42E+00	1.18E+00	2.39E+00	2.70E-01	5.26E+00	1.40E+00	5.10E-05	2.63E-02	7.90E-03	1.43E+00	1.70E+00	1.18E+00	2.39E+00	2.70E-01	5.54E+00
3633	482863.09	3850877.25	5.40812	1.25861	6.7635	4.02457	8.85E-01	9.76E-01	1.31E+00	2.96E-01	3.47E+00	8.71E-01	4.23E-05	1.44E-02	8.66E-03	8.95E-01	1.06E+00	9.76E-01	1.31E+00	2.96E-01	3.64E+00
3634	483363.09	3850877.25	3.37008	0.9743	6.9759	2.29774	5.51E-01	7.56E-01	1.35E+00	1.69E-01	2.83E+00	5.43E-01	3.27E-05	1.48E-02	4.95E-03	5.63E-01	6.59E-01	7.56E-01	1.35E+00	1.69E-01	2.94E+00
3635	483863.09	3850877.25	3.25786	0.87219	9.0625	1.63974	5.33E-01	6.77E-01	1.76E+00	1.21E-01	3.09E+00	5.25E-01	2.93E-05	1.93E-02	3.53E-03	5.48E-01	6.37E-01	6.77E-01	1.76E+00	1.21E-01	3.19E+00
3636	484363.09	3850877.25	4.03883	1.05062	10.501	2.07027	6.61E-01	8.15E-01	2.04E+00	1.52E-01	3.66E+00	6.51E-01	3.53E-05	2.23E-02	4.46E-03	6.78E-01	7.90E-01	8.15E-01	2.04E+00	1.52E-01	3.79E+00
3637	484863.09	3850877.25	3.05646	1.02404	6.9919	2.56138	5.00E-01	7.94E-01	1.36E+00	1.89E-01	2.84E+00	4.92E-01	3.44E-05	1.49E-02	5.51E-03	5.13E-01	5.98E-01	7.94E-01	1.36E+00	1.89E-01	2.94E+00
3638	485363.09	3850877.25	2.89558	1.15389	9.3707	2.56008	4.74E-01	8.95E-01	1.82E+00	1.88E-01	3.37E+00	4.67E-01	3.88E-05	1.99E-02	5.51E-03	4.92E-01	5.67E-01	8.95E-01	1.82E+00	1.88E-01	3.47E+00
3639	485863.09	3850877.25	2.38452	0.99238	13.119	2.32582	3.90E-01	7.70E-01	2.54E+00	1.71E-01	3.87E+00	3.84E-01	3.33E-05	2.79E-02	5.01E-03	4.17E-01	4.67E-01	7.70E-01	2.54E+00	1.71E-01	3.95E+00
3640	486363.09	3850877.25	1.93425	0.82833	13.845	2.19951	3.16E-01	6.43E-01	2.68E+00	1.62E-01	3.81E+00	3.12E-01	2.78E-05	2.94E-02	4.74E-03	3.46E-01	3.78E-01	6.43E-01	2.68E+00	1.62E-01	3.87E+00
3641	486863.09	3850877.25	1.85865	1.01536	13.304	2.06498	3.04E-01	7.88E-01	2.58E+00	1.52E-01	3.82E+00	2.99E-01	3.41E-05	2.83E-02	4.45E-03	3.32E-01	3.64E-01	7.88E-01	2.58E+00	1.52E-01	3.88E+00
3642	487363.09	3850877.25	1.50316	1.05862	7.3635	1.90568	2.46E-01	8.21E-01	1.43E+00	1.40E-01	2.64E+00	2.42E-01	3.56E-05	1.57E-02	4.10E-03	2.62E-01	2.94E-01	8.21E-01	1.43E+00	1.40E-01	2.68E+00
3643	487863.09	3850877.25	1.45652	0.84259	6.4177	2.00511	2.38E-01	6.54E-01	1.24E+00	1.48E-01	2.28E+00	2.35E-01	2.83E-05	1.36E-02	4.32E-03	2.53E-01	2.85E-01	6.54E-01	1.24E+00	1.48E-01	2.33E+00
3644	488363.09	3850877.25	1.80199	0.94392	10.027	2.17543	2.95E-01	7.32E-01	1.94E+00	1.60E-01	3.13E+00	2.90E-01	3.17E-05	2.13E-02	4.68E-03	3.16E-01	3.53E-01	7.32E-01	1.94E+00	1.60E-01	3.19E+00
3645	488863.09	3850877.25	1.85573	0.80849	12.008	2.31307	3.04E-01	6.27E-01	2.33E+00	1.70E-01	3.43E+00	2.99E-01	2.72E-05	2.55E-02	4.98E-03	3.30E-01	3.63E-01	6.27E-01	2.33E+00	1.70E-01	3.49E+00
3646	489363.09	3850877.25	1.90228	0.64982	10.901	2.09323	3.11E-01	5.04E-01	2.11E+00	1.54E-01	3.08E+00	3.07E-01	2.18E-05	2.32E-02	4.51E-03	3.34E-01	3.72E-01	5.04E-01	2.11E+00	1.54E-01	3.14E+00
3647	489863.09	3850877.25	1.91922	0.62491	8.9792	1.95407	3.14E-01	4.85E-01	1.74E+00	1.44E-01	2.68E+00	3.09E-01	2.10E-05	1.91E-02	4.21E-03	3.33E-01	3.76E-01	4.85E-01	1.74E+00	1.44E-01	2.75E+00
3648	490363.09	3850877.25	1.88029	0.5574	9.73	1.91765	3.08E-01	4.32E-01	1.89E+00	1.41E-01	2.77E+00	3.03E-01	1.87E-05	2.07E-02	4.13E-03	3.28E-01	3.68E-01	4.32E-01	1.89E+00	1.41E-01	2.83E+00
3649	490863.09	3850877.25	1.78882	0.54264	8.9052	1.71945	2.93E-01	4.21E-01	1.73E+00	1.27E-01	2.57E+00	2.88E-01	1.82E-05	1.89E-02	3.70E-03	3.11E-01	3.50E-01	4.21E-01	1.73E+00	1.27E-01	2.62E+00
3650	491363.09	3850877.25	1.51595	0.49775	8.3977	1.60901	2.48E-01	3.86E-01	1.63E+00	1.18E-01	2.38E+00	2.44E-01	1.67E-05	1.79E-02	3.46E-03	2.66E-01	2.97E-01	3.86E-01	1.63E+00	1.18E-01	2.43E+00
3651	491863.09	3850877.25	1.15653	0.48956	6.0572	1.52856	1.89E-01	3.80E-01	1.17E+00	1.13E-01	1.86E+00	1.86E-01	1.64E-05	1.29E-02	3.29E-03	2.03E-01	2.26E-01	3.80E-01	1.17E+00	1.13E-01	1.89E+00
3652	492363.09	3850877.25	0.95574	0.57978	5.9803	1.2777	1.56E-01	4.50E-01	1.16E+00	9.41E-02	1.86E+00	1.54E-01	1.95E-05	1.27E-02	2.75E-03	1.69E-01	1.87E-01	4.50E-01	1.16E+00	9.41E-02	1.89E+00
3653	492863.09	3850877.25	0.90438	0.66839	6.5255	1.27549	1.48E-01	5.18E-01	1.27E+00	9.39E-02	2.03E+00	1.46E-01	2.25E-05	1.39E-02	2.75E-03	1.62E-01	1.77E-01	5.18E-01	1.27E+00	9.39E-02	2.05E+00
3654	493363.09	3850877.25	0.86911	0.65048	8.0638	1.25603	1.42E-01	5.05E-01	1.56E+00	9.25E-02	2.30E+00	1.40E-01	2.19E-05	1.71E-02	2.70E-03	1.60E-01	1.70E-01	5.05E-01	1.56E+00	9.25E-02	2.33E+00
3655	493863.09	3850877.25	1.012	0.58884	8.8064	1.38777	1.66E-01	4.57E-01	1.71E+00	1.02E-01	2.43E+00	1.63E-01	1.98E-05	1.87E-02	2.99E-03	1.85E-01	1.98E-01	4.57E-01	1.71E+00	1.02E-01	2.46E+00
3656	494363.09	3850877.25	1.17885	0.66097	8.3036	1.54868	1.93E-01	5.13E-01	1.61E+00	1.14E-01	2.43E+00	1.90E-01	2.22E-05	1.77E-02	3.33E-03	2.11E-01	2.31E-01	5.13E-01	1.61E+00	1.14E-01	2.47E+00

3657	494863.09	3850877.25	1.39171	0.79193	7.9371	1.67819	2.28E-01	6.14E-01	1.54E+00	1.24E-01	2.50E+00	2.24E-01	2.66E-05	1.69E-02	3.61E-03	2.45E-01	2.72E-01	6.14E-01	1.54E+00	1.24E-01	2.55E+00
3658	495363.09	3850877.25	1.46931	0.79412	8.8369	1.69847	2.40E-01	6.16E-01	1.71E+00	1.25E-01	2.69E+00	2.37E-01	2.67E-05	1.88E-02	3.66E-03	2.59E-01	2.88E-01	6.16E-01	1.71E+00	1.25E-01	2.74E+00
3659	495863.09	3850877.25	1.46817	0.68488	7.9455	1.58721	2.40E-01	5.31E-01	1.54E+00	1.17E-01	2.43E+00	2.37E-01	2.30E-05	1.69E-02	3.42E-03	2.57E-01	2.87E-01	5.31E-01	1.54E+00	1.17E-01	2.48E+00
3660	496363.09	3850877.25	1.47257	0.5893	7.4944	1.42044	2.41E-01	4.57E-01	1.45E+00	1.05E-01	2.26E+00	2.37E-01	1.98E-05	1.59E-02	3.06E-03	2.56E-01	2.88E-01	4.57E-01	1.45E+00	1.05E-01	2.30E+00
3661	496863.09	3850877.25	1.62285	0.58137	7.0664	1.37256	2.65E-01	4.51E-01	1.37E+00	1.01E-01	2.19E+00	2.61E-01	1.95E-05	1.50E-02	2.95E-03	2.79E-01	3.18E-01	4.51E-01	1.37E+00	1.01E-01	2.24E+00
3662	497363.09	3850877.25	1.57235	0.58991	6.7922	1.37635	2.57E-01	4.58E-01	1.32E+00	1.01E-01	2.13E+00	2.53E-01	1.98E-05	1.44E-02	2.96E-03	2.71E-01	3.08E-01	4.58E-01	1.32E+00	1.01E-01	2.18E+00
3663	497863.09	3850877.25	1.44273	0.55965	7.0537	1.44324	2.36E-01	4.34E-01	1.37E+00	1.06E-01	2.14E+00	2.32E-01	1.88E-05	1.50E-02	3.11E-03	2.51E-01	2.82E-01	4.34E-01	1.37E+00	1.06E-01	2.19E+00
3664	498363.09	3850877.25	1.30683	0.51321	6.9105	1.35796	2.14E-01	3.98E-01	1.34E+00	1.00E-01	2.05E+00	2.11E-01	1.72E-05	1.47E-02	2.92E-03	2.28E-01	2.56E-01	3.98E-01	1.34E+00	1.00E-01	2.09E+00
3665	471363.09	3851377.25	3.88025	1.05361	7.0438	1.69178	6.35E-01	8.17E-01	1.37E+00	1.25E-01	2.94E+00	6.25E-01	3.54E-05	1.50E-02	3.64E-03	6.44E-01	7.59E-01	8.17E-01	1.37E+00	1.25E-01	3.07E+00
3666	471863.09	3851377.25	5.18424	1.60795	6.6951	1.7437	8.48E-01	1.25E+00	1.30E+00	1.28E-01	3.52E+00	8.35E-01	5.40E-05	1.42E-02	3.75E-03	8.53E-01	1.01E+00	1.25E+00	1.30E+00	1.28E-01	3.69E+00
3667	472363.09	3851377.25	4.96142	1.53162	5.9765	1.74919	8.11E-01	1.19E+00	1.16E+00	1.29E-01	3.29E+00	7.99E-01	5.14E-05	1.27E-02	3.77E-03	8.16E-01	9.71E-01	1.19E+00	1.16E+00	1.29E-01	3.45E+00
3668	472863.09	3851377.25	4.9783	1.60328	6.1763	1.72892	8.14E-01	1.24E+00	1.20E+00	1.27E-01	3.38E+00	8.02E-01	5.39E-05	1.31E-02	3.72E-03	8.19E-01	9.74E-01	1.24E+00	1.20E+00	1.27E-01	3.54E+00
3669	473363.09	3851377.25	4.50306	1.43624	5.6662	1.50835	7.37E-01	1.11E+00	1.10E+00	1.11E-01	3.06E+00	7.26E-01	4.82E-05	1.20E-02	3.25E-03	7.41E-01	8.81E-01	1.11E+00	1.10E+00	1.11E-01	3.21E+00
3670	473863.09	3851377.25	5.15727	1.98032	4.98	1.33543	8.44E-01	1.54E+00	9.66E-01	9.83E-02	3.44E+00	8.31E-01	6.65E-05	1.06E-02	2.87E-03	8.45E-01	1.01E+00	1.54E+00	9.66E-01	9.83E-02	3.61E+00
3671	474363.09	3851377.25	6.76817	3.32942	4.1683	1.22846	1.11E+00	2.58E+00	8.08E-01	9.04E-02	4.59E+00	1.09E+00	1.12E-04	8.86E-03	2.64E-03	1.10E+00	1.32E+00	2.58E+00	8.08E-01	9.04E-02	4.81E+00
3672	474863.09	3851377.25	7.85214	4.71684	3.2181	1.2665	1.28E+00	3.66E+00	6.24E-01	9.32E-02	5.66E+00	1.27E+00	1.58E-04	6.84E-03	2.73E-03	1.27E+00	1.54E+00	3.66E+00	6.24E-01	9.32E-02	5.91E+00
3673	475363.09	3851377.25	8.77299	6.18571	2.7074	1.42576	1.43E+00	4.80E+00	5.25E-01	1.05E-01	6.86E+00	1.41E+00	2.08E-04	5.76E-03	3.07E-03	1.42E+00	1.72E+00	4.80E+00	5.25E-01	1.05E-01	7.15E+00
3674	475863.09	3851377.25	8.48318	6.26898	2.822	1.64405	1.39E+00	4.86E+00	5.47E-01	1.21E-01	6.92E+00	1.37E+00	2.11E-04	6.00E-03	3.54E-03	1.38E+00	1.66E+00	4.86E+00	5.47E-01	1.21E-01	7.19E+00
3675	476363.09	3851377.25	8.09473	5.86656	3.3351	1.92653	1.32E+00	4.55E+00	6.47E-01	1.42E-01	6.66E+00	1.30E+00	1.97E-04	7.09E-03	4.15E-03	1.32E+00	1.58E+00	4.55E+00	6.47E-01	1.42E-01	6.92E+00
3676	476863.09	3851377.25	10.9913	6.00635	3.9858	2.2359	1.80E+00	4.66E+00	7.73E-01	1.65E-01	7.39E+00	1.77E+00	2.02E-04	8.47E-03	4.81E-03	1.78E+00	2.15E+00	4.66E+00	7.73E-01	1.65E-01	7.75E+00
3677	477363.09	3851377.25	10.5709	6.79867	4.237	2.51536	1.73E+00	5.27E+00	8.22E-01	1.85E-01	8.01E+00	1.70E+00	2.28E-04	9.01E-03	5.41E-03	1.72E+00	2.07E+00	5.27E+00	8.22E-01	1.85E-01	8.35E+00
3678	477863.09	3851377.25	11.6917	6.76907	4.2764	2.77779	1.91E+00	5.25E+00	8.29E-01	2.05E-01	8.20E+00	1.88E+00	2.27E-04	9.09E-03	5.98E-03	1.90E+00	2.29E+00	5.25E+00	8.29E-01	2.05E-01	8.57E+00
3679	478363.09	3851377.25	13.0641	7.79912	4.2781	2.93259	2.14E+00	6.05E+00	8.30E-01	2.16E-01	9.23E+00	2.11E+00	2.62E-04	9.10E-03	6.31E-03	2.12E+00	2.56E+00	6.05E+00	8.30E-01	2.16E-01	9.65E+00
3680	478863.09	3851377.25	11.9946	9.17276	4.39	2.83837	1.96E+00	7.12E+00	8.51E-01	2.09E-01	1.01E+01	1.93E+00	3.08E-04	9.33E-03	6.11E-03	1.95E+00	2.35E+00	7.12E+00	8.51E-01	2.09E-01	1.05E+01
3681	479363.09	3851377.25	12.435	9.71412	4.866	2.54515	2.03E+00	7.54E+00	9.44E-01	1.87E-01	1.07E+01	2.00E+00	3.26E-04	1.03E-02	5.48E-03	2.02E+00	2.43E+00	7.54E+00	9.44E-01	1.87E-01	1.11E+01
3682	479863.09	3851377.25	12.8436	8.50285	5.6217	2.27708	2.10E+00	6.60E+00	1.09E+00	1.68E-01	9.95E+00	2.07E+00	2.86E-04	1.20E-02	4.90E-03	2.09E+00	2.51E+00	6.60E+00	1.09E+00	1.68E-01	1.04E+01
3683	480363.09	3851377.25	13.6227	6.89751	6.0472	2.29875	2.23E+00	5.35E+00	1.17E+00	1.69E-01	8.92E+00	2.20E+00	2.32E-04	1.29E-02	4.95E-03	2.21E+00	2.67E+00	5.35E+00	1.17E+00	1.69E-01	9.36E+00
3684	480863.09	3851377.25	15.3909	5.43639	5.8563	2.42244	2.52E+00	4.22E+00	1.14E+00	1.78E-01	8.05E+00	2.48E+00	1.83E-04	1.25E-02	5.21E-03	2.50E+00	3.01E+00	4.22E+00	1.14E+00	1.78E-01	8.54E+00
3685	481363.09	3851377.25	18.855	4.57658	5.0768	2.90463	3.08E+00	3.55E+00	9.84E-01	2.14E-01	7.83E+00	3.04E+00	1.54E-04	1.08E-02	6.25E-03	3.06E+00	3.69E+00	3.55E+00	9.84E-01	2.14E-01	8.44E+00
3686	481863.09	3851377.25	17.969	3.61041	4.9282	3.21778	2.94E+00	2.80E+00	9.56E-01	2.37E-01	6.93E+00	2.90E+00	1.21E-04	1.05E-02	6.93E-03	2.91E+00	3.52E+00	2.80E+00	9.56E-01	2.37E-01	7.51E+00
3687	482363.09	3851377.25	16.7976	2.69782	10.665	3.9201	2.75E+00	2.09E+00	2.07E+00	2.89E-01	7.20E+00	2.71E+00	9.06E-05	2.27E-02	8.44E-03	2.74E+00	3.29E+00	2.09E+00	2.07E+00	2.89E-01	7.74E+00
3688	482863.09	3851377.25	10.6123	1.69841	11.983	4.60763	1.74E+00	1.32E+00	2.32E+00	3.39E-01	5.72E+00	1.71E+00	5.71E-05	2.55E-02	9.92E-03	1.75E+00	2.08E+00	1.32E+00	2.32E+00	3.39E-01	6.06E+00
3689	483363.09	3851377.25	4.69169	1.14599	5.9167	2.80978	7.67E-01	8.89E-01	1.15E+00	2.07E-01	3.01E+00	7.56E-01	3.85E-05	1.26E-02	6.05E-03	7.75E-01	9.18E-01	8.89E-01	1.15E+00	2.07E-01	3.16E+00
3690	483863.09	3851377.25	4.04175	0.94061	9.4455	1.91352	6.61E-01	7.30E-01	1.83E+00	1.41E-01	3.36E+00	6.51E-01	3.16E-05	2.01E-02	4.12E-03	6.75E-01	7.91E-01	7.30E-01	1.83E+00	1.41E-01	3.49E+00
3691	484363.09	3851377.25	5.95653	1.30811	19.595	2.20533	9.74E-01	1.01E+00	3.80E+00	1.62E-01	5.95E+00	9.60E-01	4.39E-05	4.17E-02	4.75E-03	1.01E+00	1.17E+00	1.01E+00	3.80E+00	1.62E-01	6.14E+00
3692	484863.09	3851377.25	3.29332	0.91576	7.7982	2.50287	5.39E-01	7.10E-01	1.51E+00	1.84E-01	2.95E+00	5.31E-01	3.08E-05	1.66E-02	5.39E-03	5.53E-01	6.44E-01	7.10E-01	1.51E+00	1.84E-01	3.05E+00
3693	485363.09	3851377.25	4.36208	1.20217	8.9641	2.72476	7.13E-01	9.33E-01	1.74E+00	2.01E-01	3.58E+00	7.03E-01	4.04E-05	1.91E-02	5.87E-03	7.28E-01	8.54E-01	9.33E-01	1.74E+00	2.01E-01	3.72E+00
3694	485863.09	3851377.25	2.62667	1.14875	13.772	2.51916	4.30E-01	8.91E-01	2.67E+00	1.85E-01	4.18E+00	4.23E-01	3.86E-05	2.93E-02	5.42E-03	4.58E-01	5.14E-01	8.91E-01	2.67E+00	1.85E-01	4.26E+00
3695	486363.09	3851377.25	2.3663	0.88704	15.416	3.05899	3.87E-01	6.88E-01	2.99E+00	2.25E-01	4.29E+00	3.81E-01	2.98E-05	3.28E-02	6.59E-03	4.21E-01	4.63E-01	6.88E-01	2.99E+00	2.25E-01	4.37E+00
3696	486863.09	3851377.25	2.00458	1.00835	18.376	2.24487	3.28E-01	7.82E-01	3.56E+00	1.65E-01	4.84E+00	3.23E-01	3.39E-05	3.91E-02	4.83E-03	3.67E-01	3.92E-01	7.82E-01	3.56E+00	1.65E-01	4.90E+00
3697	487363.09	3851377.25	1.5734	1.12351	8.4204	1.9738	2.57E-01	8.72E-01	1.63E+00	1.45E-01	2.91E+00	2.54E-01	3.77E-05	1.79E-02	4.25E-03	2.76E-01	3.08E-01	8.72E-01	1.63E+00	1.45E-01	2.96E+00
3698	487863.09	3851377.25	1.79086	0.90799	6.699	2.08803	2.93E-01	7.04E-01	1.30E+00	1.54E-01	2.45E+00	2.89E-01	3.05E-05	1.42E-02	4.50E-03	3.07E-01	3.50E-01	7.04E-01	1.30E+00	1.54E-01	2.51E+00
3699	488363.09	3851377.25	1.96759	0.95386	10.651	2.31726	3.22E-01	7.40E-01	2.07E+00	1.71E-01	3.30E+00	3.17E-01	3.20E-05	2.26E-02	4.99E-03	3.45E-01	3.85E-01	7.40E-01	2.07E+00	1.71E-01	3.36E+00
3700	488863.09	3851377.25	1.9143	0.86741	12.6	2.31459	3.13E-01	6.73E-01	2.44E+00	1.70E-01	3.60E+00	3.08E-01	2.91E-05	2.68E-02	4.98E-03	3.40E-01	3.75E-01	6.73E-01	2.44E+00	1.70E-01	3.66E+00
3701	489363.09	3851377.25	1.93387	0.67778	11.261	2.10706	3.16E-01	5.26E-01	2.18E+00	1.55E-01	3.18E+00	3.12E-01	2.28E-05	2.39E-02	4.54E-03	3.40E-01	3.78E-01	5.26E-01	2.18E+00	1.55E-01	3.24E+00
3702	489863.09	3851377.25	1.90744	0.59766	10.923	1.95035	3.12E-01	4.64E-01	2.12E+00	1.44E-01	3.04E+00	3.07E-01	2.01E-05	2.32E-02	4.20E-03	3.35E-01	3.73E-01	4.64E-01	2.12E+00	1.44E-01	3.10E+00
3703	490363.09	3851377.25	1.83137	0.54068	11.036	1.77148	3.00E-01	4.19E-01	2.14E+00	1.30E-01	2.99E+00	2.95E-01	1.82E-05	2.35E-02	3.81E-03	3.22E-01	3.58E-01	4.19E-01	2.14E+00	1.30E-01	3.05E+00
3704	490863.09	3851377.25	1.65633	0.56187	9.876	1.69615	2.71E-01	4.36E-01	1.92E+00	1.25E-01	2.75E+00	2.67E-01	1.89E-05	2.10E-02	3.65E-03	2.92E-01	3.24E-01	4.36E-01	1.92E+00	1.25E-01	2.80E+00
3705	491363.09	3851377.25	1.21486	0.50944	8.048	1.56614	1.99E-01	3.95E-01	1.56E+00	1.15E-01	2.27E+00	1.96E-01	1.71E-05	1.71E-02	3.37E-03	2.16E-01	2.38E-01	3.95E-01	1.56E+00	1.15E-01	2.31E+00
3706	491863.09	3851377.25	1.08384	0.56115	6.2909	1.46779	1.77E-01	4.35E-01	1.22E+00	1.08E-01	1.94E+00	1.75E-01	1.88E-05	1.34E-02	3.16E-03	1.91E-01	2.12E-01	4.35E-01	1.22E+00	1.08E-01	1.98E+00
3707	492363.09	3851377.25	1.04343	0.65965	6.6416	1.31419	1.71E-01	5.12E-01	1.29E+00	9.68E-02	2.07E+00	1.68E-01	2.22E-05	1.41E-02	2.83E-03	1.85E-01	2.04E-01	5.12E-01	1.29E+00	9.68E-02	2.10E+00
3708	492863.09	3851377.25	1.16623	0.66108	7.9123	1.36315	1.91E-01	5.13E-01	1.53E+00	1.00E-01	2.34E+00	1.88E-01	2.22E-05	1.68E-02	2.93E-03	2.08E-01	2.28E-01	5.13E-01	1.53E+00	1.00E-01	2.38E+00
3709	493363.09	3851377.25	1.13731	0.5952	9.3447	1.4701	1.86E-01	4.62E-01	1.81E+00	1.08E-01	2.57E+00	1.83E-01	2.00E-05	1.99E-02	3.16E-03	2.06E-01	2.23E-01	4.62E-01	1.81E+00	1.08E-01	2.60E+00
3710	493863.09	3851377.25	1.25489	0.65013	8.8107	1.65621	2.05E-01	5.04E-01	1.71E+00	1.22E-01	2.54E+00	2.02E-01	2.18E-05	1.87E-02	3.57E-03	2.25E-01	2.46E-01	5.04E-01	1.71E+00	1.22E-01	2.58E+00
3711	494363.09	3851377.25	1.46394	0.82768	8.3825	1.74495	2.39E-01	6.42E-01	1.63E+00	1.28E-01	2.64E+00	2.36E-01	2.78E-05	1.78E-02	3.76E-03	2.57E-01	2.86E-01	6.42E-01	1.63E+00	1.28E-01	2.68E+00
3712	494863.09	3851377.25	1.47126	0.86374	9.2634	1.734	2.41E-01	6.70E-01	1.80E+00	1.28E-01	2.83E+00	2.37E-01	2.90E-05	1.97E-02	3.73E-03	2.61E-01	2.88E-01	6.70E-01	1.80E+00	1.28E-01	2.88E+00
3713	495363.09	3851377.25	1.67973	0.82211	11.004	1.6875	2.75E-01	6.38E-01	2.13E+00	1.24E-01	3.17E+00	2.71E-01	2.76E-05	2.34E-02	3.63E-03	2.98E-01	3.29E-01	6.38E-01	2.13E+00	1.24E-01	3.22E+00
3714	495863.09	3851377.25	1.7083	0.69131	8.7395	1.65664	2.79E-01	5.36E-01	1.69E+00	1.22E-01	2.63E+00	2.75E-01	2.32E-05	1.86E-02	3.57E-03	2.97E-01	3.34E-01	5.36E-01	1.69E+00	1.22E-01	2.69E+00
3715	496363.09	3851377.25	1.66873	0.62292	7.5217	1.53272	2.73E-01	4.83E-01	1.46E+00	1.13E-01	2.33E+00	2.69E-01	2.09E-05	1.60E-02	3.30E-03	2.88E-01	3.27E-01	4.83E-01	1.46E+00	1.13E-01	2.38E+00
3716	496863.09	3851377.25	1.63028	0.56848	7.3466	1.44201	2.67E-01	4.41E-01	1.42E+00	1.06E-01	2.24E+00	2.63E-01	1.91E-05	1.56E-02	3.10E-03	2.81E-01	3.19E-01	4.41E-01	1.42E+00	1.06E-01	2.29E+00
3717	497363.09	3851377.25	1.60593	0.52269	7.4595	1.45958	2.63E-01	4.05E-01	1.45E+00	1.07E-01	2.22E+00	2.59E-01	1.76E-05	1.59E-02	3.14E-03	2.78E-01	3.14E-01	4.05E-01	1.45E+00	1.07E-01	2.27E+00

3718	497863.09	3851377.25	1.53875	0.48191	7.094	1.4426	2.52E-01	3.74E-01	1.38E+00	1.06E-01	2.11E+00	2.48E-01	1.62E-05	1.51E-02	3.11E-03	2.66E-01	3.01E-01	3.74E-01	1.38E+00	1.06E-01	2.16E+00
3719	498363.09	3851377.25	1.21611	0.46823	6.2666	1.37725	1.99E-01	3.63E-01	1.22E+00	1.01E-01	1.88E+00	1.96E-01	1.57E-05	1.33E-02	2.96E-03	2.12E-01	2.38E-01	3.63E-01	1.22E+00	1.01E-01	1.92E+00
3720	471363.09	3851877.25	4.17286	1.16641	7.4727	1.93243	6.83E-01	9.05E-01	1.45E+00	1.42E-01	3.18E+00	6.72E-01	3.92E-05	1.59E-02	4.16E-03	6.92E-01	8.17E-01	9.05E-01	1.45E+00	1.42E-01	3.31E+00
3721	471863.09	3851877.25	4.15164	1.09432	7.8644	1.86684	6.79E-01	8.49E-01	1.52E+00	1.37E-01	3.19E+00	6.69E-01	3.68E-05	1.67E-02	4.02E-03	6.90E-01	8.12E-01	8.49E-01	1.52E+00	1.37E-01	3.32E+00
3722	472363.09	3851877.25	4.67322	1.28737	8.2469	1.94244	7.64E-01	9.99E-01	1.60E+00	1.43E-01	3.51E+00	7.53E-01	4.32E-05	1.75E-02	4.18E-03	7.75E-01	9.14E-01	9.99E-01	1.60E+00	1.43E-01	3.66E+00
3723	472863.09	3851877.25	5.27251	1.53856	7.7211	1.91533	8.62E-01	1.19E+00	1.50E+00	1.41E-01	3.69E+00	8.50E-01	5.17E-05	1.64E-02	4.12E-03	8.70E-01	1.03E+00	1.19E+00	1.50E+00	1.41E-01	3.86E+00
3724	473363.09	3851877.25	4.8783	1.25163	6.1177	1.74725	7.98E-01	9.71E-01	1.19E+00	1.29E-01	3.08E+00	7.86E-01	4.20E-05	1.30E-02	3.76E-03	8.03E-01	9.55E-01	9.71E-01	1.19E+00	1.29E-01	3.24E+00
3725	473863.09	3851877.25	4.73708	1.29613	6.4338	1.76272	7.75E-01	1.01E+00	1.25E+00	1.30E-01	3.16E+00	7.63E-01	4.35E-05	1.37E-02	3.79E-03	7.81E-01	9.27E-01	1.01E+00	1.25E+00	1.30E-01	3.31E+00
3726	474363.09	3851877.25	5.58252	2.00404	6.5056	1.73777	9.13E-01	1.55E+00	1.26E+00	1.28E-01	3.86E+00	9.00E-01	6.73E-05	1.38E-02	3.74E-03	9.17E-01	1.09E+00	1.55E+00	1.26E+00	1.28E-01	4.04E+00
3727	474863.09	3851877.25	6.50151	3.29383	5.7807	1.54014	1.06E+00	2.56E+00	1.12E+00	1.13E-01	4.85E+00	1.05E+00	1.11E-04	1.23E-02	3.32E-03	1.06E+00	1.27E+00	2.56E+00	1.12E+00	1.13E-01	5.06E+00
3728	475363.09	3851877.25	7.50507	4.28459	4.7186	1.33566	1.23E+00	3.32E+00	9.15E-01	9.83E-02	5.56E+00	1.21E+00	1.44E-04	1.00E-02	2.88E-03	1.22E+00	1.47E+00	3.32E+00	9.15E-01	9.83E-02	5.81E+00
3729	475863.09	3851877.25	8.50245	5.16641	3.5187	1.36466	1.39E+00	4.01E+00	6.82E-01	1.00E-01	6.18E+00	1.37E+00	1.74E-04	7.48E-03	2.94E-03	1.38E+00	1.66E+00	4.01E+00	6.82E-01	1.00E-01	6.45E+00
3730	476363.09	3851877.25	9.6149	4.86562	2.9162	1.53849	1.57E+00	3.77E+00	5.65E-01	1.13E-01	6.03E+00	1.55E+00	1.63E-04	6.20E-03	3.31E-03	1.56E+00	1.88E+00	3.77E+00	5.65E-01	1.13E-01	6.33E+00
3731	476863.09	3851877.25	9.9656	4.84523	3.0472	1.83749	1.63E+00	3.76E+00	5.91E-01	1.35E-01	6.11E+00	1.61E+00	1.63E-04	6.48E-03	3.96E-03	1.62E+00	1.95E+00	3.76E+00	5.91E-01	1.35E-01	6.43E+00
3732	477363.09	3851877.25	9.70783	5.31786	3.626	2.23533	1.59E+00	4.13E+00	7.03E-01	1.65E-01	6.58E+00	1.56E+00	1.79E-04	7.71E-03	4.81E-03	1.58E+00	1.90E+00	4.13E+00	7.03E-01	1.65E-01	6.89E+00
3733	477863.09	3851877.25	13.166	5.77034	4.2299	2.5722	2.15E+00	4.48E+00	8.20E-01	1.89E-01	7.64E+00	2.12E+00	1.94E-04	8.99E-03	5.54E-03	2.14E+00	2.58E+00	4.48E+00	8.20E-01	1.89E-01	8.06E+00
3734	478363.09	3851877.25	14.1183	5.72877	4.3223	2.87028	2.31E+00	4.44E+00	8.38E-01	2.11E-01	7.80E+00	2.27E+00	1.92E-04	9.19E-03	6.18E-03	2.29E+00	2.76E+00	4.44E+00	8.38E-01	2.11E-01	8.26E+00
3735	478863.09	3851877.25	15.2515	7.11022	4.5388	3.12732	2.49E+00	5.52E+00	8.80E-01	2.30E-01	9.12E+00	2.46E+00	2.39E-04	9.65E-03	6.73E-03	2.47E+00	2.98E+00	5.52E+00	8.80E-01	2.30E-01	9.61E+00
3736	479363.09	3851877.25	14.3941	9.37827	4.6083	3.04774	2.35E+00	7.27E+00	8.94E-01	2.24E-01	1.07E+01	2.32E+00	3.15E-04	9.80E-03	6.56E-03	2.34E+00	2.82E+00	7.28E+00	8.94E-01	2.24E-01	1.12E+01
3737	479863.09	3851877.25	14.3038	10.6978	5.0733	2.74395	2.34E+00	8.30E+00	9.84E-01	2.02E-01	1.18E+01	2.30E+00	3.59E-04	1.08E-02	5.91E-03	2.32E+00	2.80E+00	8.30E+00	9.84E-01	2.02E-01	1.23E+01
3738	480363.09	3851877.25	14.8885	8.81052	5.8015	2.44017	2.44E+00	6.83E+00	1.12E+00	1.80E-01	1.06E+01	2.40E+00	2.96E-04	1.23E-02	5.25E-03	2.42E+00	2.91E+00	6.83E+00	1.12E+00	1.80E-01	1.11E+01
3739	480863.09	3851877.25	14.3636	7.23829	6.3983	2.39822	2.35E+00	5.61E+00	1.24E+00	1.77E-01	9.38E+00	2.31E+00	2.43E-04	1.36E-02	5.16E-03	2.33E+00	2.81E+00	5.62E+00	1.24E+00	1.77E-01	9.84E+00
3740	481363.09	3851877.25	18.4375	5.7631	6.2915	2.57521	3.02E+00	4.47E+00	1.22E+00	1.90E-01	8.90E+00	2.97E+00	1.94E-04	1.34E-02	5.54E-03	2.99E+00	3.61E+00	4.47E+00	1.22E+00	1.90E-01	9.49E+00
3741	481863.09	3851877.25	21.315	4.81235	5.4653	3.14622	3.49E+00	3.73E+00	1.06E+00	2.32E-01	8.51E+00	3.43E+00	1.62E-04	1.16E-02	6.77E-03	3.45E+00	4.17E+00	3.73E+00	1.06E+00	2.32E-01	9.20E+00
3742	482363.09	3851877.25	18.4355	2.83589	6.4385	3.90646	3.02E+00	2.20E+00	1.25E+00	2.88E-01	6.75E+00	2.97E+00	9.53E-05	1.37E-02	8.41E-03	2.99E+00	3.61E+00	2.20E+00	1.25E+00	2.88E-01	7.34E+00
3743	482863.09	3851877.25	11.312	1.81595	15.39	4.25892	1.85E+00	1.41E+00	2.98E+00	3.14E-01	6.56E+00	1.82E+00	6.10E-05	3.27E-02	9.17E-03	1.86E+00	2.21E+00	1.41E+00	2.98E+00	3.14E-01	6.92E+00
3744	483363.09	3851877.25	10.2489	1.52339	11.05	4.47932	1.68E+00	1.18E+00	2.14E+00	3.30E-01	5.33E+00	1.65E+00	5.12E-05	2.35E-02	9.64E-03	1.68E+00	2.01E+00	1.18E+00	2.14E+00	3.30E-01	5.66E+00
3745	483863.09	3851877.25	6.93369	1.32199	8.5402	3.19627	1.13E+00	1.03E+00	1.66E+00	2.35E-01	4.05E+00	1.12E+00	4.44E-05	1.82E-02	6.88E-03	1.14E+00	1.36E+00	1.03E+00	1.66E+00	2.35E-01	4.27E+00
3746	484363.09	3851877.25	7.04602	1.47528	21.038	2.58152	1.15E+00	1.14E+00	4.08E+00	1.90E-01	6.57E+00	1.14E+00	4.96E-05	4.47E-02	5.56E-03	1.19E+00	1.38E+00	1.14E+00	4.08E+00	1.90E-01	6.79E+00
3747	484863.09	3851877.25	6.23061	1.30674	17.943	3.01751	1.02E+00	1.01E+00	3.48E+00	2.22E-01	5.73E+00	1.00E+00	4.39E-05	3.81E-02	6.50E-03	1.05E+00	1.22E+00	1.01E+00	3.48E+00	2.22E-01	5.93E+00
3748	485363.09	3851877.25	5.07459	1.3824	8.3489	3.05127	8.30E-01	1.07E+00	1.62E+00	2.25E-01	3.75E+00	8.18E-01	4.64E-05	1.78E-02	6.57E-03	8.42E-01	9.93E-01	1.07E+00	1.62E+00	2.25E-01	3.91E+00
3749	485863.09	3851877.25	4.81123	1.43923	12.91	4.08796	7.87E-01	1.12E+00	2.50E+00	3.01E-01	4.71E+00	7.75E-01	4.83E-05	2.74E-02	8.80E-03	8.12E-01	9.41E-01	1.12E+00	2.50E+00	3.01E-01	4.86E+00
3750	486363.09	3851877.25	2.60212	0.93598	17.551	3.70048	4.26E-01	7.26E-01	3.40E+00	2.72E-01	4.83E+00	4.19E-01	3.14E-05	3.73E-02	7.97E-03	4.65E-01	5.09E-01	7.26E-01	3.40E+00	2.72E-01	4.91E+00
3751	486863.09	3851877.25	2.22758	1.03056	22.861	2.53609	3.64E-01	7.99E-01	4.43E+00	1.87E-01	5.78E+00	3.59E-01	3.46E-05	4.86E-02	5.46E-03	4.13E-01	4.36E-01	7.99E-01	4.43E+00	1.87E-01	5.85E+00
3752	487363.09	3851877.25	1.95429	1.18251	12.253	2.07682	3.20E-01	9.17E-01	2.38E+00	1.53E-01	3.77E+00	3.15E-01	3.97E-05	2.61E-02	4.47E-03	3.45E-01	3.82E-01	9.17E-01	2.38E+00	1.53E-01	3.83E+00
3753	487863.09	3851877.25	1.97346	0.93494	7.0354	2.2614	3.23E-01	7.25E-01	1.36E+00	1.66E-01	2.58E+00	3.18E-01	3.14E-05	1.50E-02	4.87E-03	3.38E-01	3.86E-01	7.25E-01	1.36E+00	1.66E-01	2.64E+00
3754	488363.09	3851877.25	1.97634	0.92635	11.425	2.4026	3.23E-01	7.19E-01	2.22E+00	1.77E-01	3.43E+00	3.18E-01	3.11E-05	2.43E-02	5.17E-03	3.48E-01	3.87E-01	7.19E-01	2.22E+00	1.77E-01	3.50E+00
3755	488863.09	3851877.25	1.93992	0.72816	13.327	2.38258	3.17E-01	5.65E-01	2.58E+00	1.75E-01	3.64E+00	3.13E-01	2.45E-05	2.83E-02	5.13E-03	3.46E-01	3.80E-01	5.65E-01	2.58E+00	1.75E-01	3.70E+00
3756	489363.09	3851877.25	1.92184	0.56958	11.622	1.95277	3.14E-01	4.42E-01	2.25E+00	1.44E-01	3.15E+00	3.10E-01	1.91E-05	2.47E-02	4.20E-03	3.39E-01	3.76E-01	4.42E-01	2.25E+00	1.44E-01	3.22E+00
3757	489863.09	3851877.25	1.86435	0.55798	10.116	1.84825	3.05E-01	4.33E-01	1.96E+00	1.36E-01	2.84E+00	3.00E-01	1.87E-05	2.15E-02	3.98E-03	3.26E-01	3.65E-01	4.33E-01	1.96E+00	1.36E-01	2.90E+00
3758	490363.09	3851877.25	1.73483	0.54335	10.268	1.69898	2.84E-01	4.21E-01	1.99E+00	1.25E-01	2.82E+00	2.80E-01	1.83E-05	2.18E-02	3.66E-03	3.05E-01	3.39E-01	4.22E-01	1.99E+00	1.25E-01	2.88E+00
3759	490863.09	3851877.25	1.3241	0.55369	10.866	1.65777	2.17E-01	4.29E-01	2.11E+00	1.22E-01	2.88E+00	2.13E-01	1.86E-05	2.31E-02	3.57E-03	2.40E-01	2.59E-01	4.30E-01	2.11E+00	1.22E-01	2.92E+00
3760	491363.09	3851877.25	1.18855	0.5784	8.8199	1.5538	1.94E-01	4.49E-01	1.71E+00	1.14E-01	2.47E+00	1.92E-01	1.94E-05	1.88E-02	3.34E-03	2.14E-01	2.33E-01	4.49E-01	1.71E+00	1.14E-01	2.51E+00
3761	491863.09	3851877.25	1.41289	0.64469	8.614	1.58436	2.31E-01	5.00E-01	1.67E+00	1.17E-01	2.52E+00	2.28E-01	2.17E-05	1.83E-02	3.41E-03	2.49E-01	2.76E-01	5.00E-01	1.67E+00	1.17E-01	2.56E+00
3762	492363.09	3851877.25	1.55287	0.69404	7.7627	1.72045	2.54E-01	5.38E-01	1.51E+00	1.27E-01	2.42E+00	2.50E-01	2.33E-05	1.65E-02	3.70E-03	2.70E-01	3.04E-01	5.38E-01	1.51E+00	1.27E-01	2.47E+00
3763	492863.09	3851877.25	1.29514	0.6473	9.7366	1.67129	2.12E-01	5.02E-01	1.89E+00	1.23E-01	2.72E+00	2.09E-01	2.17E-05	2.07E-02	3.60E-03	2.33E-01	2.53E-01	5.02E-01	1.89E+00	1.23E-01	2.77E+00
3764	493363.09	3851877.25	1.64761	0.67116	10.018	1.84626	2.69E-01	5.21E-01	1.94E+00	1.36E-01	2.87E+00	2.65E-01	2.25E-05	2.13E-02	3.97E-03	2.91E-01	3.22E-01	5.21E-01	1.94E+00	1.36E-01	2.92E+00
3765	493863.09	3851877.25	1.77515	0.90397	12.066	1.99329	2.90E-01	7.01E-01	2.34E+00	1.47E-01	3.48E+00	2.86E-01	3.04E-05	2.57E-02	4.29E-03	3.16E-01	3.47E-01	7.01E-01	2.34E+00	1.47E-01	3.54E+00
3766	494363.09	3851877.25	1.73272	0.93786	12.768	1.80984	2.83E-01	7.27E-01	2.48E+00	1.33E-01	3.62E+00	2.79E-01	3.15E-05	2.71E-02	3.90E-03	3.10E-01	3.39E-01	7.28E-01	2.48E+00	1.33E-01	3.68E+00
3767	494863.09	3851877.25	1.7597	0.87624	11.56	1.8223	2.88E-01	6.80E-01	2.24E+00	1.34E-01	3.34E+00	2.84E-01	2.94E-05	2.46E-02	3.92E-03	3.12E-01	3.44E-01	6.80E-01	2.24E+00	1.34E-01	3.40E+00
3768	495363.09	3851877.25	1.73921	0.75396	8.9111	1.78646	2.84E-01	5.85E-01	1.73E+00	1.32E-01	2.73E+00	2.80E-01	2.53E-05	1.89E-02	3.85E-03	3.03E-01	3.40E-01	5.85E-01	1.73E+00	1.32E-01	2.78E+00
3769	495863.09	3851877.25	1.74408	0.71224	8.0009	1.81181	2.85E-01	5.52E-01	1.55E+00	1.33E-01	2.52E+00	2.81E-01	2.39E-05	1.70E-02	3.90E-03	3.02E-01	3.41E-01	5.53E-01	1.55E+00	1.33E-01	2.58E+00
3770	496363.09	3851877.25	1.71271	0.63717	7.9316	1.73555	2.80E-01	4.94E-01	1.54E+00	1.28E-01	2.44E+00	2.76E-01	2.14E-05	1.69E-02	3.74E-03	2.97E-01	3.35E-01	4.94E-01	1.54E+00	1.28E-01	2.50E+00
3771	496863.09	3851877.25	1.67214	0.50844	7.7858	1.51721	2.73E-01	3.94E-01	1.51E+00	1.12E-01	2.29E+00	2.69E-01	1.71E-05	1.66E-02	3.27E-03	2.89E-01	3.27E-01	3.94E-01	1.51E+00	1.12E-01	2.34E+00
3772	497363.09	3851877.25	1.60616	0.46404	7.1365	1.56141	2.63E-01	3.60E-01	1.38E+00	1.15E-01	2.12E+00	2.59E-01	1.56E-05	1.52E-02	3.36E-03	2.77E-01	3.14E-01	3.60E-01	1.38E+00	1.15E-01	2.17E+00
3773	497863.09	3851877.25	1.45356	0.46906	6.3046	1.48016	2.38E-01	3.64E-01	1.22E+00	1.09E-01	1.93E+00	2.34E-01	1.58E-05	1.34E-02	3.19E-03	2.51E-01	2.84E-01	3.64E-01	1.22E+00	1.09E-01	1.98E+00
3774	498363.09	3851877.25	1.11839	0.48256	6.3268	1.5086	1.83E-01	3.74E-01	1.23E+00	1.11E-01	1.90E+00	1.80E-01	1.62E-05	1.35E-02	3.25E-03	1.97E-01	2.19E-01	3.74E-01	1.23E+00	1.11E-01	1.93E+00
3775	471363.09	3852377.25	4.04829	1.05392	6.4883	2.16953	6.62E-01	8.18E-01	1.26E+00	1.60E-01	2.90E+00	6.52E-01	3.54E-05	1.38E-02	4.67E-03	6.71E-01	7.92E-01	8.18E-01	1.26E+00	1.60E-01	3.03E+00
3776	471863.09	3852377.25	5.00132	1.12941	6.6477	2.1324	8.18E-01	8.76E-01	1.29E+00	1.57E-01	3.14E+00	8.06E-01	3.79E-05	1.41E-02	4.59E-03	8.25E-01	9.79E-01	8.76E-01	1.29E+00	1.57E-01	3.30E+00
3777	472363.09	3852377.25	4.97044	1.20436	7.4063	2.08582	8.13E-01	9.34E-01	1.44E+00	1.54E-01	3.34E+00	8.01E-01	4.05E-05	1.57E-02	4.49E-03	8.21E-01	9.73E-01	9.34E-01	1.44E+00	1.54E-01	3.50E+00
3778	472863.09	3852377.25	4.82984	1.28552	8.4806	2.03248	7.90E-01	9.97E-01	1.64E+00	1.50E-01	3.58E+00	7.78E-01	4.32E-05	1.80E-02	4.38E-03	8.01E-01	9.45E-01	9.97E-01	1.64E+00	1.50E-01	3.74E+00

3779	473363.09	3852377.25	4.94794	1.32199	9.012	2.04987	8.09E-01	1.03E+00	1.75E+00	1.51E-01	3.73E+00	7.97E-01	4.44E-05	1.92E-02	4.41E-03	8.21E-01	9.68E-01	1.03E+00	1.75E+00	1.51E-01	3.89E+00
3780	473863.09	3852377.25	5.013	1.29052	8.6046	2.02994	8.20E-01	1.00E+00	1.67E+00	1.49E-01	3.64E+00	8.08E-01	4.34E-05	1.83E-02	4.37E-03	8.30E-01	9.81E-01	1.00E+00	1.67E+00	1.49E-01	3.80E+00
3781	474363.09	3852377.25	5.19531	1.32848	7.3901	1.86715	8.50E-01	1.03E+00	1.43E+00	1.37E-01	3.45E+00	8.37E-01	4.46E-05	1.57E-02	4.02E-03	8.57E-01	1.02E+00	1.03E+00	1.43E+00	1.37E-01	3.62E+00
3782	474863.09	3852377.25	7.09198	2.17889	7.2897	2.06498	1.16E+00	1.69E+00	1.41E+00	1.52E-01	4.42E+00	1.14E+00	7.32E-05	1.55E-02	4.45E-03	1.16E+00	1.39E+00	1.69E+00	1.41E+00	1.52E-01	4.64E+00
3783	475363.09	3852377.25	6.96252	2.65278	7.2952	1.97561	1.14E+00	2.06E+00	1.41E+00	1.45E-01	4.76E+00	1.12E+00	8.91E-05	1.55E-02	4.25E-03	1.14E+00	1.36E+00	2.06E+00	1.41E+00	1.45E-01	4.98E+00
3784	475863.09	3852377.25	6.75124	3.10832	6.4541	1.65638	1.10E+00	2.41E+00	1.25E+00	1.22E-01	4.89E+00	1.09E+00	1.04E-04	1.37E-02	3.57E-03	1.11E+00	1.32E+00	2.41E+00	1.25E+00	1.22E-01	5.11E+00
3785	476363.09	3852377.25	7.33934	3.22151	5.119	1.46038	1.20E+00	2.50E+00	9.93E-01	1.08E-01	4.80E+00	1.18E+00	1.08E-04	1.09E-02	3.14E-03	1.20E+00	1.44E+00	2.50E+00	9.93E-01	1.08E-01	5.04E+00
3786	476863.09	3852377.25	8.40206	3.77139	3.7064	1.49583	1.37E+00	2.93E+00	7.19E-01	1.10E-01	5.13E+00	1.35E+00	1.27E-04	7.88E-03	3.22E-03	1.37E+00	1.64E+00	2.93E+00	7.19E-01	1.10E-01	5.40E+00
3787	477363.09	3852377.25	9.63555	3.49915	3.1623	1.74116	1.58E+00	2.71E+00	6.13E-01	1.28E-01	5.03E+00	1.55E+00	1.18E-04	6.72E-03	3.75E-03	1.56E+00	1.89E+00	2.71E+00	6.13E-01	1.28E-01	5.34E+00
3788	477863.09	3852377.25	8.2279	2.09725	3.3111	2.16446	1.35E+00	1.63E+00	6.42E-01	1.59E-01	3.77E+00	1.33E+00	7.04E-05	7.04E-03	4.66E-03	1.34E+00	1.61E+00	1.63E+00	6.42E-01	1.59E-01	4.04E+00
3789	478363.09	3852377.25	7.01344	2.20444	3.7661	2.58356	1.15E+00	1.71E+00	7.30E-01	1.90E-01	3.78E+00	1.13E+00	7.41E-05	8.01E-03	5.56E-03	1.14E+00	1.37E+00	1.71E+00	7.30E-01	1.90E-01	4.00E+00
3790	478863.09	3852377.25	13.2903	3.38725	4.302	2.98582	2.17E+00	2.63E+00	8.34E-01	2.20E-01	5.86E+00	2.14E+00	1.14E-04	9.15E-03	6.43E-03	2.16E+00	2.60E+00	2.63E+00	8.34E-01	2.20E-01	6.28E+00
3791	479363.09	3852377.25	15.6793	4.74733	4.6678	3.32652	2.56E+00	3.68E+00	9.05E-01	2.45E-01	7.40E+00	2.53E+00	1.59E-04	9.92E-03	7.16E-03	2.54E+00	3.07E+00	3.68E+00	9.05E-01	2.45E-01	7.90E+00
3792	479863.09	3852377.25	18.0278	7.54504	4.8747	3.30447	2.95E+00	5.85E+00	9.45E-01	2.43E-01	9.99E+00	2.90E+00	2.53E-04	1.04E-02	7.11E-03	2.92E+00	3.53E+00	5.85E+00	9.45E-01	2.43E-01	1.06E+01
3793	480363.09	3852377.25	15.6322	11.7004	5.2823	2.97644	2.56E+00	9.08E+00	1.02E+00	2.19E-01	1.29E+01	2.52E+00	3.93E-04	1.12E-02	6.41E-03	2.54E+00	3.06E+00	9.08E+00	1.02E+00	2.19E-01	1.34E+01
3794	480863.09	3852377.25	16.4172	9.22609	5.957	2.61658	2.69E+00	7.16E+00	1.16E+00	1.93E-01	1.12E+01	2.65E+00	3.10E-04	1.27E-02	5.63E-03	2.66E+00	3.21E+00	7.16E+00	1.16E+00	1.93E-01	1.17E+01
3795	481363.09	3852377.25	15.097	7.55789	6.7677	2.60696	2.47E+00	5.86E+00	1.31E+00	1.92E-01	9.84E+00	2.43E+00	2.54E-04	1.44E-02	5.61E-03	2.45E+00	2.95E+00	5.86E+00	1.31E+00	1.92E-01	1.03E+01
3796	481863.09	3852377.25	20.198	6.0692	6.7822	2.83948	3.30E+00	4.71E+00	1.32E+00	2.09E-01	9.54E+00	3.25E+00	2.04E-04	1.44E-02	6.11E-03	3.28E+00	3.95E+00	4.71E+00	1.32E+00	2.09E-01	1.02E+01
3797	482363.09	3852377.25	23.9069	5.19484	5.9128	3.27918	3.91E+00	4.03E+00	1.15E+00	2.41E-01	9.33E+00	3.85E+00	1.75E-04	1.26E-02	7.06E-03	3.87E+00	4.68E+00	4.03E+00	1.15E+00	2.41E-01	1.01E+01
3798	482863.09	3852377.25	20.8382	3.69623	6.0056	3.46767	3.41E+00	2.87E+00	1.16E+00	2.55E-01	7.70E+00	3.36E+00	1.24E-04	1.28E-02	7.47E-03	3.38E+00	4.08E+00	2.87E+00	1.16E+00	2.55E-01	8.36E+00
3799	483363.09	3852377.25	15.2129	2.0591	15.021	5.03461	2.49E+00	1.60E+00	2.91E+00	3.71E-01	7.37E+00	2.45E+00	6.92E-05	3.19E-02	1.08E-02	2.49E+00	2.98E+00	1.60E+00	2.91E+00	3.71E-01	7.86E+00
3800	483863.09	3852377.25	9.22562	1.36715	9.9378	3.867	1.51E+00	1.06E+00	1.93E+00	2.85E-01	4.78E+00	1.49E+00	4.59E-05	2.11E-02	8.32E-03	1.52E+00	1.81E+00	1.06E+00	1.93E+00	2.85E-01	5.08E+00
3801	484363.09	3852377.25	9.14387	1.54661	12.712	3.45491	1.50E+00	1.20E+00	2.47E+00	2.54E-01	5.41E+00	1.47E+00	5.20E-05	2.70E-02	7.44E-03	1.51E+00	1.79E+00	1.20E+00	2.47E+00	2.54E-01	5.71E+00
3802	484863.09	3852377.25	8.83453	1.59908	24.387	2.77692	1.44E+00	1.24E+00	4.73E+00	2.04E-01	7.62E+00	1.42E+00	5.37E-05	5.19E-02	5.98E-03	1.48E+00	1.73E+00	1.24E+00	4.73E+00	2.04E-01	7.90E+00
3803	485363.09	3852377.25	7.49425	1.55372	12.614	3.43381	1.23E+00	1.21E+00	2.45E+00	2.53E-01	5.13E+00	1.21E+00	5.22E-05	2.68E-02	7.39E-03	1.24E+00	1.47E+00	1.21E+00	2.45E+00	2.53E-01	5.37E+00
3804	485863.09	3852377.25	5.95792	1.61582	11.186	5.53856	9.74E-01	1.25E+00	2.17E+00	4.08E-01	4.80E+00	9.60E-01	5.43E-05	2.38E-02	1.19E-02	9.96E-01	1.17E+00	1.25E+00	2.17E+00	4.08E-01	5.00E+00
3805	486363.09	3852377.25	3.14043	1.03735	20.035	3.62003	5.14E-01	8.05E-01	3.88E+00	2.67E-01	5.47E+00	5.06E-01	3.48E-05	4.26E-02	7.79E-03	5.56E-01	6.15E-01	8.05E-01	3.88E+00	2.67E-01	5.57E+00
3806	486863.09	3852377.25	2.69195	1.06158	24.008	2.73547	4.40E-01	8.23E-01	4.66E+00	2.01E-01	6.12E+00	4.34E-01	3.57E-05	5.10E-02	5.89E-03	4.91E-01	5.27E-01	8.24E-01	4.66E+00	2.01E-01	6.21E+00
3807	487363.09	3852377.25	2.16836	1.20806	13.615	2.2145	3.55E-01	9.37E-01	2.64E+00	1.63E-01	4.09E+00	3.49E-01	4.06E-05	2.89E-02	4.77E-03	3.83E-01	4.24E-01	9.37E-01	2.64E+00	1.63E-01	4.16E+00
3808	487863.09	3852377.25	2.00568	0.96865	7.3959	2.41481	3.28E-01	7.51E-01	1.43E+00	1.78E-01	2.69E+00	3.23E-01	3.25E-05	1.57E-02	5.20E-03	3.44E-01	3.92E-01	7.51E-01	1.43E+00	1.78E-01	2.76E+00
3809	488363.09	3852377.25	1.97058	0.87283	12.361	2.48518	3.22E-01	6.77E-01	2.40E+00	1.83E-01	3.58E+00	3.18E-01	2.93E-05	2.63E-02	5.35E-03	3.49E-01	3.86E-01	6.77E-01	2.40E+00	1.83E-01	3.64E+00
3810	488863.09	3852377.25	1.93133	0.69101	14.116	2.26337	3.16E-01	5.36E-01	2.74E+00	1.67E-01	3.76E+00	3.11E-01	2.32E-05	3.00E-02	4.87E-03	3.46E-01	3.78E-01	5.36E-01	2.74E+00	1.67E-01	3.82E+00
3811	489363.09	3852377.25	1.89411	0.53682	11.388	1.94387	3.10E-01	4.16E-01	2.21E+00	1.43E-01	3.08E+00	3.05E-01	1.80E-05	2.42E-02	4.18E-03	3.34E-01	3.71E-01	4.16E-01	2.21E+00	1.43E-01	3.14E+00
3812	489863.09	3852377.25	1.73301	0.49495	10.575	1.64482	2.83E-01	3.84E-01	2.05E+00	1.21E-01	2.84E+00	2.79E-01	1.66E-05	2.25E-02	3.54E-03	3.05E-01	3.39E-01	3.84E-01	2.05E+00	1.21E-01	2.89E+00
3813	490363.09	3852377.25	1.52155	0.56603	10.285	1.70781	2.49E-01	4.39E-01	1.99E+00	1.26E-01	2.81E+00	2.45E-01	1.90E-05	2.19E-02	3.68E-03	2.71E-01	2.98E-01	4.39E-01	1.99E+00	1.26E-01	2.86E+00
3814	490863.09	3852377.25	1.48442	0.59886	10.02	1.75679	2.43E-01	4.65E-01	1.94E+00	1.29E-01	2.78E+00	2.39E-01	2.01E-05	2.13E-02	3.78E-03	2.64E-01	2.90E-01	4.65E-01	1.94E+00	1.29E-01	2.83E+00
3815	491363.09	3852377.25	1.76373	0.66135	10.178	2.08707	2.88E-01	5.13E-01	1.97E+00	1.54E-01	2.93E+00	2.84E-01	2.22E-05	2.16E-02	4.49E-03	3.10E-01	3.45E-01	5.13E-01	1.97E+00	1.54E-01	2.99E+00
3816	491863.09	3852377.25	1.82575	0.75576	10.533	2.11505	2.99E-01	5.86E-01	2.04E+00	1.56E-01	3.08E+00	2.94E-01	2.54E-05	2.24E-02	4.55E-03	3.21E-01	3.57E-01	5.86E-01	2.04E+00	1.56E-01	3.14E+00
3817	492363.09	3852377.25	1.82393	0.77699	10.91	2.24236	2.98E-01	6.03E-01	2.12E+00	1.65E-01	3.18E+00	2.94E-01	2.61E-05	2.32E-02	4.83E-03	3.22E-01	3.57E-01	6.03E-01	2.12E+00	1.65E-01	3.24E+00
3818	492863.09	3852377.25	1.84186	0.78558	12.21	2.29515	3.01E-01	6.09E-01	2.37E+00	1.69E-01	3.45E+00	2.97E-01	2.64E-05	2.60E-02	4.94E-03	3.28E-01	3.60E-01	6.09E-01	2.37E+00	1.69E-01	3.51E+00
3819	493363.09	3852377.25	1.88001	0.9412	13.014	2.27589	3.07E-01	7.30E-01	2.52E+00	1.68E-01	3.73E+00	3.03E-01	3.16E-05	2.77E-02	4.90E-03	3.36E-01	3.68E-01	7.30E-01	2.52E+00	1.68E-01	3.79E+00
3820	493863.09	3852377.25	1.84524	0.97335	14.809	2.05685	3.02E-01	7.55E-01	2.87E+00	1.51E-01	4.08E+00	2.97E-01	3.27E-05	3.15E-02	4.43E-03	3.33E-01	3.61E-01	7.55E-01	2.87E+00	1.51E-01	4.14E+00
3821	494363.09	3852377.25	1.7946	0.89244	12.43	1.8895	2.94E-01	6.92E-01	2.41E+00	1.39E-01	3.54E+00	2.89E-01	3.00E-05	2.64E-02	4.07E-03	3.20E-01	3.51E-01	6.92E-01	2.41E+00	1.39E-01	3.59E+00
3822	494863.09	3852377.25	1.80162	0.75745	9.1796	1.86012	2.95E-01	5.88E-01	1.78E+00	1.37E-01	2.80E+00	2.90E-01	2.54E-05	1.95E-02	4.00E-03	3.14E-01	3.53E-01	5.88E-01	1.78E+00	1.37E-01	2.86E+00
3823	495363.09	3852377.25	1.81146	0.69851	8.4861	1.8393	2.96E-01	5.42E-01	1.65E+00	1.35E-01	2.62E+00	2.92E-01	2.35E-05	1.80E-02	3.96E-03	3.14E-01	3.54E-01	5.42E-01	1.65E+00	1.35E-01	2.68E+00
3824	495863.09	3852377.25	1.77105	0.6226	8.4686	1.7763	2.90E-01	4.83E-01	1.64E+00	1.31E-01	2.55E+00	2.85E-01	2.09E-05	1.80E-02	3.82E-03	3.07E-01	3.47E-01	4.83E-01	1.64E+00	1.31E-01	2.60E+00
3825	496363.09	3852377.25	1.68325	0.52492	8.3835	1.74763	2.75E-01	4.07E-01	1.63E+00	1.29E-01	2.44E+00	2.71E-01	1.76E-05	1.78E-02	3.76E-03	2.93E-01	3.29E-01	4.07E-01	1.63E+00	1.29E-01	2.49E+00
3826	496863.09	3852377.25	1.5283	0.51808	7.8787	1.7147	2.50E-01	4.02E-01	1.53E+00	1.26E-01	2.31E+00	2.46E-01	1.74E-05	1.68E-02	3.69E-03	2.67E-01	2.99E-01	4.02E-01	1.53E+00	1.26E-01	2.35E+00
3827	497363.09	3852377.25	1.57587	0.50738	7.208	1.6287	2.58E-01	3.94E-01	1.40E+00	1.20E-01	2.17E+00	2.54E-01	1.70E-05	1.53E-02	3.51E-03	2.73E-01	3.08E-01	3.94E-01	1.40E+00	1.20E-01	2.22E+00
3828	497863.09	3852377.25	1.40923	0.53138	7.8455	1.63737	2.30E-01	4.12E-01	1.52E+00	1.21E-01	2.28E+00	2.27E-01	1.78E-05	1.67E-02	3.52E-03	2.47E-01	2.76E-01	4.12E-01	1.52E+00	1.21E-01	2.33E+00
3829	498363.09	3852377.25	1.23753	0.51222	7.1622	1.52028	2.02E-01	3.97E-01	1.39E+00	1.12E-01	2.10E+00	1.99E-01	1.72E-05	1.52E-02	3.27E-03	2.18E-01	2.42E-01	3.97E-01	1.39E+00	1.12E-01	2.14E+00
3830	471363.09	3852877.25	4.22438	1.16365	6.9099	2.33689	6.91E-01	9.03E-01	1.34E+00	1.72E-01	3.11E+00	6.81E-01	3.91E-05	1.47E-02	5.03E-03	7.00E-01	8.27E-01	9.03E-01	1.34E+00	1.72E-01	3.24E+00
3831	471863.09	3852877.25	4.52582	1.18629	6.9325	2.34611	7.40E-01	9.20E-01	1.34E+00	1.73E-01	3.18E+00	7.29E-01	3.98E-05	1.47E-02	5.05E-03	7.49E-01	8.86E-01	9.20E-01	1.34E+00	1.73E-01	3.32E+00
3832	472363.09	3852877.25	5.4487	1.25848	7.1252	2.33988	8.91E-01	9.76E-01	1.38E+00	1.72E-01	3.42E+00	8.78E-01	4.23E-05	1.51E-02	5.04E-03	8.98E-01	1.07E+00	9.76E-01	1.38E+00	1.72E-01	3.60E+00
3833	472863.09	3852877.25	5.67927	1.31288	7.0874	2.33963	9.29E-01	1.02E+00	1.37E+00	1.72E-01	3.49E+00	9.15E-01	4.41E-05	1.51E-02	5.04E-03	9.35E-01	1.11E+00	1.02E+00	1.37E+00	1.72E-01	3.68E+00
3834	473363.09	3852877.25	5.77883	1.37137	7.4904	2.30733	9.45E-01	1.06E+00	1.45E+00	1.70E-01	3.63E+00	9.31E-01	4.61E-05	1.59E-02	4.97E-03	9.52E-01	1.13E+00	1.06E+00	1.45E+00	1.70E-01	3.82E+00
3835	473863.09	3852877.25	5.89342	1.47847	8.6934	2.24441	9.64E-01	1.15E+00	1.69E+00	1.65E-01	3.96E+00	9.50E-01	4.97E-05	1.85E-02	4.83E-03	9.73E-01	1.15E+00	1.15E+00	1.69E+00	1.65E-01	4.15E+00
3836	474363.09	3852877.25	6.8721	1.72637	9.8555	2.31425	1.12E+00	1.34E+00	1.91E+00	1.70E-01	4.54E+00	1.11E+00	5.80E-05	2.10E-02	4.98E-03	1.13E+00	1.34E+00	1.34E+00	1.91E+00	1.70E-01	4.77E+00
3837	474863.09	3852877.25	5.54663	1.41634	9.8289	2.26366	9.07E-01	1.10E+00	1.91E+00	1.67E-01	4.08E+00	8.94E-01	4.76E-05	2.09E-02	4.87E-03	9.20E-01	1.09E+00	1.10E+00	1.91E+00	1.67E-01	4.26E+00
3838	475363.09	3852877.25	6.37107	1.66858	9.1115	2.2969	1.04E+00	1.29E+00	1.77E+00	1.69E-01	4.27E+00	1.03E+00	5.61E-05	1.94E-02	4.94E-03	1.05E+00	1.25E+00	1.29E+00	1.77E+00	1.69E-01	4.48E+00
3839	475863.09	3852877.25	6.58775	1.77464	7.6311	2.12172	1.08E+00	1.38E+00	1.48E+00	1.56E-01	4.09E+00	1.06E+00	5.96E-05	1.62E-02	4.57E-03	1.08E+00	1.29E+00	1.38E+00	1.48E+00	1.56E-01	4.30E+00

3840	476363.09	3852877.25	6.2075	1.81263	7.755	2.03403	1.02E+00	1.41E+00	1.50E+00	1.50E-01	4.07E+00	1.00E+00	6.09E-05	1.65E-02	4.38E-03	1.02E+00	1.21E+00	1.41E+00	1.50E+00	1.50E-01	4.27E+00
3841	476863.09	3852877.25	4.87878	1.66427	6.6328	1.6057	7.98E-01	1.29E+00	1.29E+00	1.18E-01	3.49E+00	7.86E-01	5.59E-05	1.41E-02	3.46E-03	8.04E-01	9.55E-01	1.29E+00	1.29E+00	1.18E-01	3.65E+00
3842	477363.09	3852877.25	4.01343	1.62644	4.8199	1.60831	6.56E-01	1.26E+00	9.35E-01	1.18E-01	2.97E+00	6.47E-01	5.46E-05	1.02E-02	3.46E-03	6.60E-01	7.85E-01	1.26E+00	9.35E-01	1.18E-01	3.10E+00
3843	477863.09	3852877.25	3.40798	1.45592	3.3515	1.70217	5.57E-01	1.13E+00	6.50E-01	1.25E-01	2.46E+00	5.49E-01	4.89E-05	7.13E-03	3.66E-03	5.60E-01	6.67E-01	1.13E+00	6.50E-01	1.25E-01	2.57E+00
3844	478363.09	3852877.25	2.31479	1.3476	3.4441	2.04643	3.79E-01	1.05E+00	6.68E-01	1.51E-01	2.24E+00	3.73E-01	4.53E-05	7.32E-03	4.41E-03	3.85E-01	4.53E-01	1.05E+00	6.68E-01	1.51E-01	2.32E+00
3845	478863.09	3852877.25	2.98493	1.82891	3.6278	2.55048	4.88E-01	1.42E+00	7.03E-01	1.88E-01	2.80E+00	4.81E-01	6.14E-05	7.71E-03	5.49E-03	4.94E-01	5.84E-01	1.42E+00	7.03E-01	1.88E-01	2.89E+00
3846	479363.09	3852877.25	5.42878	2.36571	4.0437	3.084	8.88E-01	1.84E+00	7.84E-01	2.27E-01	3.73E+00	8.75E-01	7.95E-05	8.60E-03	6.64E-03	8.90E-01	1.06E+00	1.84E+00	7.84E-01	2.27E-01	3.91E+00
3847	479863.09	3852877.25	17.1774	4.83181	4.6919	3.5227	2.81E+00	3.75E+00	9.10E-01	2.59E-01	7.73E+00	2.77E+00	1.62E-04	9.98E-03	7.58E-03	2.79E+00	3.36E+00	3.75E+00	9.10E-01	2.59E-01	8.28E+00
3848	480363.09	3852877.25	15.7223	9.50891	5.2024	3.61854	2.57E+00	7.38E+00	1.01E+00	2.66E-01	1.12E+01	2.53E+00	3.19E-04	1.11E-02	7.79E-03	2.55E+00	3.08E+00	7.38E+00	1.01E+00	2.66E-01	1.17E+01
3849	480863.09	3852877.25	18.3159	11.2588	5.4561	3.37925	3.00E+00	8.73E+00	1.06E+00	2.49E-01	1.30E+01	2.95E+00	3.78E-04	1.16E-02	7.27E-03	2.97E+00	3.58E+00	8.73E+00	1.06E+00	2.49E-01	1.36E+01
3850	481363.09	3852877.25	18.4019	9.71321	6.1779	2.82589	3.01E+00	7.53E+00	1.20E+00	2.08E-01	1.20E+01	2.97E+00	3.26E-04	1.31E-02	6.08E-03	2.98E+00	3.60E+00	7.53E+00	1.20E+00	2.08E-01	1.25E+01
3851	481863.09	3852877.25	18.0368	7.68461	7.1495	3.69394	2.95E+00	5.96E+00	1.39E+00	2.72E-01	1.06E+01	2.91E+00	2.58E-04	1.52E-02	7.95E-03	2.93E+00	3.53E+00	5.96E+00	1.39E+00	2.72E-01	1.11E+01
3852	482363.09	3852877.25	22.1894	7.02448	7.3378	3.38208	3.63E+00	5.45E+00	1.42E+00	2.49E-01	1.08E+01	3.58E+00	2.36E-04	1.56E-02	7.28E-03	3.60E+00	4.34E+00	5.45E+00	1.42E+00	2.49E-01	1.15E+01
3853	482863.09	3852877.25	26.4536	5.19986	6.4325	3.07448	4.33E+00	4.03E+00	1.25E+00	2.26E-01	9.83E+00	4.26E+00	1.75E-04	1.37E-02	6.62E-03	4.28E+00	5.18E+00	4.03E+00	1.25E+00	2.26E-01	1.07E+01
3854	483363.09	3852877.25	23.3318	3.74661	6.6953	3.83056	3.82E+00	2.91E+00	1.30E+00	2.82E-01	8.30E+00	3.76E+00	1.26E-04	1.42E-02	8.25E-03	3.78E+00	4.57E+00	2.91E+00	1.30E+00	2.82E-01	9.05E+00
3855	483863.09	3852877.25	14.9586	1.81128	16.211	4.97697	2.45E+00	1.41E+00	3.14E+00	3.66E-01	7.36E+00	2.41E+00	6.08E-05	3.45E-02	1.07E-02	2.46E+00	2.93E+00	1.41E+00	3.14E+00	3.66E-01	7.84E+00
3856	484363.09	3852877.25	13.53	1.76945	8.3512	4.72831	2.21E+00	1.37E+00	1.62E+00	3.48E-01	5.55E+00	2.18E+00	5.94E-05	1.78E-02	1.02E-02	2.21E+00	2.65E+00	1.37E+00	1.62E+00	3.48E-01	5.99E+00
3857	484863.09	3852877.25	11.4136	2.04193	16.428	3.39689	1.87E+00	1.58E+00	3.19E+00	2.50E-01	6.89E+00	1.84E+00	6.86E-05	3.49E-02	7.31E-03	1.88E+00	2.23E+00	1.58E+00	3.19E+00	2.50E-01	7.25E+00
3858	485363.09	3852877.25	6.69937	1.36083	23.168	4.51987	1.10E+00	1.06E+00	4.49E+00	3.33E-01	6.98E+00	1.08E+00	4.57E-05	4.93E-02	9.73E-03	1.14E+00	1.31E+00	1.06E+00	4.49E+00	3.33E-01	7.19E+00
3859	485863.09	3852877.25	4.31484	1.49812	10.121	4.41423	7.06E-01	1.16E+00	1.96E+00	3.25E-01	4.16E+00	6.95E-01	5.03E-05	2.15E-02	9.50E-03	7.26E-01	8.44E-01	1.16E+00	1.96E+00	3.25E-01	4.29E+00
3860	486363.09	3852877.25	2.32798	1.18973	16.975	3.09022	3.81E-01	9.23E-01	3.29E+00	2.28E-01	4.82E+00	3.75E-01	4.00E-05	3.61E-02	6.65E-03	4.18E-01	4.56E-01	9.23E-01	3.29E+00	2.28E-01	4.90E+00
3861	486863.09	3852877.25	2.39222	1.06471	18.65	2.39627	3.91E-01	8.26E-01	3.62E+00	1.76E-01	5.01E+00	3.85E-01	3.58E-05	3.97E-02	5.16E-03	4.30E-01	4.68E-01	8.26E-01	3.62E+00	1.76E-01	5.09E+00
3862	487363.09	3852877.25	2.0896	1.21205	13.219	2.47151	3.42E-01	9.40E-01	2.56E+00	1.82E-01	4.03E+00	3.37E-01	4.07E-05	2.81E-02	5.32E-03	3.70E-01	4.09E-01	9.40E-01	2.56E+00	1.82E-01	4.09E+00
3863	487863.09	3852877.25	2.00558	0.95932	7.8362	2.47398	3.28E-01	7.44E-01	1.52E+00	1.82E-01	2.77E+00	3.23E-01	3.22E-05	1.67E-02	5.33E-03	3.45E-01	3.92E-01	7.44E-01	1.52E+00	1.82E-01	2.84E+00
3864	488363.09	3852877.25	1.93236	0.80788	13.807	2.1892	3.16E-01	6.27E-01	2.68E+00	1.61E-01	3.78E+00	3.11E-01	2.71E-05	2.94E-02	4.71E-03	3.45E-01	3.78E-01	6.27E-01	2.68E+00	1.61E-01	3.84E+00
3865	488863.09	3852877.25	1.91384	0.70129	14.917	2.22397	3.13E-01	5.44E-01	2.89E+00	1.64E-01	3.91E+00	3.08E-01	2.36E-05	3.17E-02	4.79E-03	3.45E-01	3.75E-01	5.44E-01	2.89E+00	1.64E-01	3.97E+00
3866	489363.09	3852877.25	1.8909	0.54656	11.952	1.95321	3.09E-01	4.24E-01	2.32E+00	1.44E-01	3.19E+00	3.05E-01	1.84E-05	2.54E-02	4.20E-03	3.34E-01	3.70E-01	4.24E-01	2.32E+00	1.44E-01	3.26E+00
3867	489863.09	3852877.25	1.79904	0.54881	11.17	1.79357	2.94E-01	4.26E-01	2.17E+00	1.32E-01	3.02E+00	2.90E-01	1.84E-05	2.37E-02	3.86E-03	3.18E-01	3.52E-01	4.26E-01	2.17E+00	1.32E-01	3.08E+00
3868	490363.09	3852877.25	1.84252	0.69001	12.859	2.44953	3.01E-01	5.35E-01	2.49E+00	1.80E-01	3.51E+00	2.97E-01	2.32E-05	2.73E-02	5.27E-03	3.30E-01	3.61E-01	5.35E-01	2.49E+00	1.80E-01	3.57E+00
3869	490863.09	3852877.25	1.91543	0.71939	11.004	2.54355	3.13E-01	5.58E-01	2.13E+00	1.87E-01	3.19E+00	3.09E-01	2.42E-05	2.34E-02	5.48E-03	3.38E-01	3.75E-01	5.58E-01	2.13E+00	1.87E-01	3.25E+00
3870	491363.09	3852877.25	2.10163	0.99383	11.182	2.62141	3.44E-01	7.71E-01	2.17E+00	1.93E-01	3.48E+00	3.39E-01	3.34E-05	2.38E-02	5.64E-03	3.68E-01	4.11E-01	7.71E-01	2.17E+00	1.93E-01	3.54E+00
3871	491863.09	3852877.25	2.08063	0.9558	12.028	2.52795	3.40E-01	7.41E-01	2.33E+00	1.86E-01	3.60E+00	3.35E-01	3.21E-05	2.56E-02	5.44E-03	3.66E-01	4.07E-01	7.41E-01	2.33E+00	1.86E-01	3.67E+00
3872	492363.09	3852877.25	1.95553	0.90552	12.968	2.40433	3.20E-01	7.02E-01	2.51E+00	1.77E-01	3.71E+00	3.15E-01	3.04E-05	2.76E-02	5.18E-03	3.48E-01	3.83E-01	7.02E-01	2.51E+00	1.77E-01	3.78E+00
3873	492863.09	3852877.25	2.10298	1.04236	16.503	2.31489	3.44E-01	8.09E-01	3.20E+00	1.70E-01	4.52E+00	3.39E-01	3.50E-05	3.51E-02	4.98E-03	3.79E-01	4.12E-01	8.09E-01	3.20E+00	1.70E-01	4.59E+00
3874	493363.09	3852877.25	2.13815	1.20654	23.039	2.24343	3.50E-01	9.36E-01	4.47E+00	1.65E-01	5.92E+00	3.45E-01	4.05E-05	4.90E-02	4.83E-03	3.98E-01	4.18E-01	9.36E-01	4.47E+00	1.65E-01	5.99E+00
3875	493863.09	3852877.25	2.18516	1.0105	15.717	2.13866	3.57E-01	7.84E-01	3.05E+00	1.57E-01	4.35E+00	3.52E-01	3.39E-05	3.34E-02	4.60E-03	3.90E-01	4.28E-01	7.84E-01	3.05E+00	1.57E-01	4.42E+00
3876	494363.09	3852877.25	2.05979	0.77029	10.421	1.98833	3.37E-01	5.98E-01	2.02E+00	1.46E-01	3.10E+00	3.32E-01	2.59E-05	2.22E-02	4.28E-03	3.58E-01	4.03E-01	5.98E-01	2.02E+00	1.46E-01	3.17E+00
3877	494863.09	3852877.25	2.13365	0.69894	8.9887	1.95246	3.49E-01	5.42E-01	1.74E+00	1.44E-01	2.78E+00	3.44E-01	2.35E-05	1.91E-02	4.20E-03	3.67E-01	4.18E-01	5.42E-01	1.74E+00	1.44E-01	2.85E+00
3878	495363.09	3852877.25	2.09778	0.64855	9.4002	1.92551	3.43E-01	5.03E-01	1.82E+00	1.42E-01	2.81E+00	3.38E-01	2.18E-05	2.00E-02	4.15E-03	3.62E-01	4.10E-01	5.03E-01	1.82E+00	1.42E-01	2.88E+00
3879	495863.09	3852877.25	1.81344	0.59611	9.2568	1.87091	2.97E-01	4.62E-01	1.79E+00	1.38E-01	2.69E+00	2.92E-01	2.00E-05	1.97E-02	4.03E-03	3.16E-01	3.55E-01	4.62E-01	1.79E+00	1.38E-01	2.75E+00
3880	496363.09	3852877.25	1.99646	0.56913	9.0636	1.78827	3.27E-01	4.41E-01	1.76E+00	1.32E-01	2.66E+00	3.22E-01	1.91E-05	1.93E-02	3.85E-03	3.45E-01	3.91E-01	4.41E-01	1.76E+00	1.32E-01	2.72E+00
3881	496863.09	3852877.25	1.82536	0.58979	10.561	1.77421	2.99E-01	4.58E-01	2.05E+00	1.31E-01	2.93E+00	2.94E-01	1.98E-05	2.25E-02	3.82E-03	3.20E-01	3.57E-01	4.58E-01	2.05E+00	1.31E-01	2.99E+00
3882	497363.09	3852877.25	1.67296	0.57866	10.495	1.75919	2.74E-01	4.49E-01	2.04E+00	1.30E-01	2.89E+00	2.70E-01	1.94E-05	2.23E-02	3.79E-03	2.96E-01	3.27E-01	4.49E-01	2.04E+00	1.30E-01	2.94E+00
3883	497863.09	3852877.25	1.31163	0.5488	8.6757	1.671	2.15E-01	4.26E-01	1.68E+00	1.23E-01	2.45E+00	2.11E-01	1.84E-05	1.84E-02	3.60E-03	2.33E-01	2.57E-01	4.26E-01	1.68E+00	1.23E-01	2.49E+00
3884	498363.09	3852877.25	1.32244	0.5702	9.3882	1.52216	2.16E-01	4.42E-01	1.82E+00	1.12E-01	2.59E+00	2.13E-01	1.92E-05	2.00E-02	3.28E-03	2.36E-01	2.59E-01	4.42E-01	1.82E+00	1.12E-01	2.63E+00
3885	471363.09	3853377.25	3.51812	1.47478	8.4405	2.44741	5.75E-01	1.14E+00	1.64E+00	1.80E-01	3.54E+00	5.67E-01	4.95E-05	1.79E-02	5.27E-03	5.90E-01	6.88E-01	1.14E+00	1.64E+00	1.80E-01	3.65E+00
3886	471863.09	3853377.25	4.74708	1.42573	8.4557	2.47201	7.76E-01	1.11E+00	1.64E+00	1.82E-01	3.70E+00	7.65E-01	4.79E-05	1.80E-02	5.32E-03	7.88E-01	9.29E-01	1.11E+00	1.64E+00	1.82E-01	3.86E+00
3887	472363.09	3853377.25	5.13708	1.37492	8.1701	2.58708	8.40E-01	1.07E+00	1.58E+00	1.90E-01	3.68E+00	8.28E-01	4.62E-05	1.74E-02	5.57E-03	8.51E-01	1.01E+00	1.07E+00	1.58E+00	1.90E-01	3.85E+00
3888	472863.09	3853377.25	5.53691	1.32749	7.8038	2.68093	9.06E-01	1.03E+00	1.51E+00	1.97E-01	3.65E+00	8.92E-01	4.46E-05	1.66E-02	5.77E-03	9.15E-01	1.08E+00	1.03E+00	1.51E+00	1.97E-01	3.82E+00
3889	473363.09	3853377.25	5.80055	1.36899	7.7743	2.66154	9.49E-01	1.06E+00	1.51E+00	1.96E-01	3.71E+00	9.35E-01	4.60E-05	1.65E-02	5.73E-03	9.57E-01	1.14E+00	1.06E+00	1.51E+00	1.96E-01	3.90E+00
3890	473863.09	3853377.25	5.96178	1.38844	7.8339	2.59469	9.75E-01	1.08E+00	1.52E+00	1.91E-01	3.76E+00	9.61E-01	4.66E-05	1.67E-02	5.59E-03	9.83E-01	1.17E+00	1.08E+00	1.52E+00	1.91E-01	3.95E+00
3891	474363.09	3853377.25	6.14456	1.41217	7.7869	2.50441	1.01E+00	1.10E+00	1.51E+00	1.84E-01	3.79E+00	9.90E-01	4.74E-05	1.66E-02	5.39E-03	1.01E+00	1.20E+00	1.10E+00	1.51E+00	1.84E-01	3.99E+00
3892	474863.09	3853377.25	6.19169	1.29054	8.3213	2.46028	1.01E+00	1.00E+00	1.61E+00	1.81E-01	3.81E+00	9.98E-01	4.34E-05	1.77E-02	5.30E-03	1.02E+00	1.21E+00	1.00E+00	1.61E+00	1.81E-01	4.01E+00
3893	475363.09	3853377.25	6.14228	1.25745	9.3543	2.38343	1.00E+00	9.75E-01	1.81E+00	1.75E-01	3.97E+00	9.90E-01	4.22E-05	1.99E-02	5.13E-03	1.01E+00	1.20E+00	9.75E-01	1.81E+00	1.75E-01	4.17E+00
3894	475863.09	3853377.25	5.89368	1.20825	10.106	2.258	9.64E-01	9.37E-01	1.96E+00	1.66E-01	4.03E+00	9.50E-01	4.06E-05	2.15E-02	4.86E-03	9.76E-01	1.15E+00	9.37E-01	1.96E+00	1.66E-01	4.22E+00
3895	476363.09	3853377.25	5.41131	1.10006	9.2214	2.11744	8.85E-01	8.53E-01	1.79E+00	1.56E-01	3.68E+00	8.72E-01	3.70E-05	1.96E-02	4.56E-03	8.96E-01	1.06E+00	8.53E-01	1.79E+00	1.56E-01	3.86E+00
3896	476863.09	3853377.25	4.07022	0.99111	6.9192	1.97477	6.66E-01	7.69E-01	1.34E+00	1.45E-01	2.92E+00	6.56E-01	3.33E-05	1.47E-02	4.25E-03	6.75E-01	7.96E-01	7.69E-01	1.34E+00	1.45E-01	3.05E+00
3897	477363.09	3853377.25	3.6551	0.97369	6.8025	1.80369	5.98E-01	7.55E-01	1.32E+00	1.33E-01	2.80E+00	5.89E-01	3.27E-05	1.45E-02	3.88E-03	6.07E-01	7.15E-01	7.55E-01	1.32E+00	1.33E-01	2.92E+00
3898	477863.09	3853377.25	3.25071	1.13241	5.9863	1.76269	5.32E-01	8.78E-01	1.16E+00	1.30E-01	2.70E+00	5.24E-01	3.80E-05	1.27E-02	3.79E-03	5.40E-01	6.36E-01	8.78E-01	1.16E+00	1.30E-01	2.81E+00
3899	478363.09	3853377.25	2.21081	1.20365	3.846	1.78829	3.62E-01	9.34E-01	7.46E-01	1.32E-01	2.17E+00	3.56E-01	4.04E-05	8.18E-03	3.85E-03	3.68E-01	4.33E-01	9.34E-01	7.46E-01	1.32E-01	2.24E+00
3900	478863.09	3853377.25	1.81932	1.03678	3.6459	1.75071	2.98E-01	8.04E-01	7.07E-01	1.29E-01	1.94E+00	2.93E-01	3.48E-05	7.75E-03	3.77E-03	3.05E-01	3.56E-01	8.04E-01	7.07E-01	1.29E-01	2.00E+00

3901	479363.09	3853377.25	2.98963	1.81845	3.8034	2.49115	4.89E-01	1.41E+00	7.37E-01	1.83E-01	2.82E+00	4.82E-01	6.11E-05	8.09E-03	5.36E-03	4.95E-01	5.85E-01	1.41E+00	7.37E-01	1.83E-01	2.92E+00
3902	479863.09	3853377.25	6.71939	2.57366	4.032	3.14695	1.10E+00	2.00E+00	7.82E-01	2.32E-01	4.11E+00	1.08E+00	8.65E-05	8.57E-03	6.77E-03	1.10E+00	1.31E+00	2.00E+00	7.82E-01	2.32E-01	4.32E+00
3903	480363.09	3853377.25	15.8569	5.43158	4.6255	3.69997	2.59E+00	4.21E+00	8.97E-01	2.72E-01	7.98E+00	2.56E+00	1.82E-04	9.83E-03	7.97E-03	2.57E+00	3.10E+00	4.21E+00	8.97E-01	2.72E-01	8.49E+00
3904	480863.09	3853377.25	19.4003	4.77237	5.2893	3.9684	3.17E+00	3.70E+00	1.03E+00	2.92E-01	8.19E+00	3.13E+00	1.60E-04	1.12E-02	8.54E-03	3.15E+00	3.80E+00	3.70E+00	1.03E+00	2.92E-01	8.82E+00
3905	481363.09	3853377.25	19.8871	8.66641	5.7613	4.42549	3.25E+00	6.72E+00	1.12E+00	3.26E-01	1.14E+01	3.20E+00	2.91E-04	1.22E-02	9.53E-03	3.23E+00	3.89E+00	6.72E+00	1.12E+00	3.26E-01	1.21E+01
3906	481863.09	3853377.25	19.6509	10.6246	6.5208	3.16227	3.21E+00	8.24E+00	1.26E+00	2.33E-01	1.30E+01	3.17E+00	3.57E-04	1.39E-02	6.81E-03	3.19E+00	3.85E+00	8.24E+00	1.26E+00	2.33E-01	1.36E+01
3907	482363.09	3853377.25	21.3253	7.67454	7.5341	4.16578	3.49E+00	5.95E+00	1.46E+00	3.07E-01	1.12E+01	3.44E+00	2.58E-04	1.60E-02	8.97E-03	3.46E+00	4.17E+00	5.95E+00	1.46E+00	3.07E-01	1.19E+01
3908	482863.09	3853377.25	25.4583	6.76954	7.9714	3.61685	4.16E+00	5.25E+00	1.55E+00	2.66E-01	1.12E+01	4.10E+00	2.27E-04	1.69E-02	7.79E-03	4.13E+00	4.98E+00	5.25E+00	1.55E+00	2.66E-01	1.20E+01
3909	483363.09	3853377.25	29.4745	4.33525	7.0415	3.40962	4.82E+00	3.36E+00	1.37E+00	2.51E-01	9.80E+00	4.75E+00	1.46E-04	1.50E-02	7.34E-03	4.77E+00	5.77E+00	3.36E+00	1.37E+00	2.51E-01	1.07E+01
3910	483863.09	3853377.25	25.707	3.38482	7.9251	4.12486	4.20E+00	2.63E+00	1.54E+00	3.04E-01	8.67E+00	4.14E+00	1.14E-04	1.69E-02	8.88E-03	4.17E+00	5.03E+00	2.63E+00	1.54E+00	3.04E-01	9.50E+00
3911	484363.09	3853377.25	20.5068	2.58641	11.08	4.16418	3.35E+00	2.01E+00	2.15E+00	3.07E-01	7.82E+00	3.30E+00	8.69E-05	2.36E-02	8.96E-03	3.34E+00	4.01E+00	2.01E+00	2.15E+00	3.07E-01	8.47E+00
3912	484863.09	3853377.25	12.0171	1.84732	10.005	4.78591	1.97E+00	1.43E+00	1.94E+00	3.52E-01	5.69E+00	1.94E+00	6.21E-05	2.13E-02	1.03E-02	1.97E+00	2.35E+00	1.43E+00	1.94E+00	3.52E-01	6.08E+00
3913	485363.09	3853377.25	5.74823	1.29558	27.935	5.82062	9.40E-01	1.00E+00	5.42E+00	4.29E-01	7.79E+00	9.26E-01	4.35E-05	5.94E-02	1.25E-02	9.98E-01	1.12E+00	1.01E+00	5.42E+00	4.29E-01	7.98E+00
3914	485863.09	3853377.25	2.58769	1.23306	10.135	3.20202	4.23E-01	9.56E-01	1.97E+00	2.36E-01	3.58E+00	4.17E-01	4.14E-05	2.15E-02	6.89E-03	4.45E-01	5.06E-01	9.57E-01	1.97E+00	2.36E-01	3.66E+00
3915	486363.09	3853377.25	2.53718	1.20097	13.456	2.94815	4.15E-01	9.32E-01	2.61E+00	2.17E-01	4.17E+00	4.09E-01	4.03E-05	2.86E-02	6.35E-03	4.44E-01	4.96E-01	9.32E-01	2.61E+00	2.17E-01	4.25E+00
3916	486863.09	3853377.25	2.31615	1.04686	14.808	2.98787	3.79E-01	8.12E-01	2.87E+00	2.20E-01	4.28E+00	3.73E-01	3.52E-05	3.15E-02	6.43E-03	4.11E-01	4.53E-01	8.12E-01	2.87E+00	2.20E-01	4.36E+00
3917	487363.09	3853377.25	2.10733	1.18088	17.685	2.55589	3.45E-01	9.16E-01	3.43E+00	1.88E-01	4.88E+00	3.40E-01	3.97E-05	3.76E-02	5.50E-03	3.83E-01	4.12E-01	9.16E-01	3.43E+00	1.88E-01	4.95E+00
3918	487863.09	3853377.25	2.06328	0.98131	8.1738	2.28624	3.37E-01	7.61E-01	1.58E+00	1.68E-01	2.85E+00	3.32E-01	3.30E-05	1.74E-02	4.92E-03	3.55E-01	4.04E-01	7.61E-01	1.58E+00	1.68E-01	2.92E+00
3919	488363.09	3853377.25	2.1415	0.89509	14.175	2.34114	3.50E-01	6.94E-01	2.75E+00	1.72E-01	3.97E+00	3.45E-01	3.01E-05	3.01E-02	5.04E-03	3.80E-01	4.19E-01	6.94E-01	2.75E+00	1.72E-01	4.03E+00
3920	488863.09	3853377.25	2.26897	0.74792	15.063	3.14436	3.71E-01	5.80E-01	2.92E+00	2.32E-01	4.10E+00	3.66E-01	2.51E-05	3.20E-02	6.77E-03	4.04E-01	4.44E-01	5.80E-01	2.92E+00	2.32E-01	4.18E+00
3921	489363.09	3853377.25	2.29184	0.71412	15.135	3.14399	3.75E-01	5.54E-01	2.93E+00	2.31E-01	4.10E+00	3.69E-01	2.40E-05	3.22E-02	6.77E-03	4.08E-01	4.48E-01	5.54E-01	2.93E+00	2.31E-01	4.17E+00
3922	489863.09	3853377.25	2.18616	0.80312	14.269	3.19678	3.58E-01	6.23E-01	2.77E+00	2.35E-01	3.98E+00	3.52E-01	2.70E-05	3.03E-02	6.88E-03	3.90E-01	4.28E-01	6.23E-01	2.77E+00	2.35E-01	4.05E+00
3923	490363.09	3853377.25	2.20203	0.94752	18.831	3.19775	3.60E-01	7.35E-01	3.65E+00	2.35E-01	4.98E+00	3.55E-01	3.18E-05	4.00E-02	6.88E-03	4.02E-01	4.31E-01	7.35E-01	3.65E+00	2.35E-01	5.05E+00
3924	490863.09	3853377.25	2.20718	1.04528	16.619	2.87313	3.61E-01	8.11E-01	3.22E+00	2.12E-01	4.61E+00	3.56E-01	3.51E-05	3.53E-02	6.19E-03	3.97E-01	4.32E-01	8.11E-01	3.22E+00	2.12E-01	4.68E+00
3925	491363.09	3853377.25	2.19513	1.02187	12.783	2.60077	3.59E-01	7.93E-01	2.48E+00	1.91E-01	3.82E+00	3.54E-01	3.43E-05	2.72E-02	5.60E-03	3.87E-01	4.30E-01	7.93E-01	2.48E+00	1.91E-01	3.89E+00
3926	491863.09	3853377.25	2.26404	0.93207	13.868	2.3468	3.70E-01	7.23E-01	2.69E+00	1.73E-01	3.96E+00	3.65E-01	3.13E-05	2.95E-02	5.05E-03	3.99E-01	4.43E-01	7.23E-01	2.69E+00	1.73E-01	4.03E+00
3927	492363.09	3853377.25	2.46639	0.96969	18.364	2.1536	4.03E-01	7.52E-01	3.56E+00	1.59E-01	4.88E+00	3.97E-01	3.26E-05	3.90E-02	4.64E-03	4.41E-01	4.83E-01	7.52E-01	3.56E+00	1.59E-01	4.95E+00
3928	492863.09	3853377.25	2.77796	1.20405	30.15	2.35958	4.54E-01	9.34E-01	5.85E+00	1.74E-01	7.41E+00	4.48E-01	4.04E-05	6.41E-02	5.08E-03	5.17E-01	5.44E-01	9.34E-01	5.85E+00	1.74E-01	7.50E+00
3929	493363.09	3853377.25	2.85411	1.11082	20.469	2.3711	4.67E-01	8.62E-01	3.97E+00	1.75E-01	5.47E+00	4.60E-01	3.73E-05	4.35E-02	5.10E-03	5.09E-01	5.58E-01	8.62E-01	3.97E+00	1.75E-01	5.56E+00
3930	493863.09	3853377.25	2.79219	0.83273	14.684	2.26724	4.57E-01	6.46E-01	2.85E+00	1.67E-01	4.12E+00	4.50E-01	2.80E-05	3.12E-02	4.88E-03	4.86E-01	5.46E-01	6.46E-01	2.85E+00	1.67E-01	4.21E+00
3931	494363.09	3853377.25	2.63236	0.7464	10.108	2.10176	4.31E-01	5.79E-01	1.96E+00	1.55E-01	3.12E+00	4.24E-01	2.51E-05	2.15E-02	4.52E-03	4.50E-01	5.15E-01	5.79E-01	1.96E+00	1.55E-01	3.21E+00
3932	494863.09	3853377.25	2.56774	0.72727	12.537	2.1443	4.20E-01	5.64E-01	2.43E+00	1.58E-01	3.57E+00	4.14E-01	2.44E-05	2.67E-02	4.62E-03	4.45E-01	5.02E-01	5.64E-01	2.43E+00	1.58E-01	3.66E+00
3933	495363.09	3853377.25	2.63528	0.68815	12.426	2.14259	4.31E-01	5.34E-01	2.41E+00	1.58E-01	3.53E+00	4.25E-01	2.31E-05	2.64E-02	4.61E-03	4.56E-01	5.16E-01	5.34E-01	2.41E+00	1.58E-01	3.62E+00
3934	495863.09	3853377.25	2.67071	0.69951	12.901	2.02033	4.37E-01	5.43E-01	2.50E+00	1.49E-01	3.63E+00	4.30E-01	2.35E-05	2.74E-02	4.35E-03	4.62E-01	5.23E-01	5.43E-01	2.50E+00	1.49E-01	3.72E+00
3935	496363.09	3853377.25	2.18405	0.62916	14.056	1.89426	3.57E-01	4.88E-01	2.73E+00	1.39E-01	3.71E+00	3.52E-01	2.11E-05	2.99E-02	4.08E-03	3.86E-01	4.27E-01	4.88E-01	2.73E+00	1.39E-01	3.78E+00
3936	496863.09	3853377.25	1.86023	0.6195	13.764	1.80566	3.04E-01	4.81E-01	2.67E+00	1.33E-01	3.59E+00	3.00E-01	2.08E-05	2.93E-02	3.89E-03	3.33E-01	3.64E-01	4.81E-01	2.67E+00	1.33E-01	3.65E+00
3937	497363.09	3853377.25	1.47452	0.62154	11.616	1.7375	2.41E-01	4.82E-01	2.25E+00	1.28E-01	3.10E+00	2.38E-01	2.09E-05	2.47E-02	3.74E-03	2.66E-01	2.89E-01	4.82E-01	2.25E+00	1.28E-01	3.15E+00
3938	497863.09	3853377.25	1.35144	0.65675	7.5933	1.49388	2.21E-01	5.09E-01	1.47E+00	1.10E-01	2.31E+00	2.18E-01	2.21E-05	1.61E-02	3.22E-03	2.37E-01	2.64E-01	5.09E-01	1.47E+00	1.10E-01	2.36E+00
3939	498363.09	3853377.25	1.31212	0.6845	6.4271	1.14212	2.15E-01	5.31E-01	1.25E+00	8.41E-02	2.08E+00	2.11E-01	2.30E-05	1.37E-02	2.46E-03	2.28E-01	2.57E-01	5.31E-01	1.25E+00	8.41E-02	2.12E+00
3940	471363.09	3853877.25	3.19664	1.67869	9.7938	2.53862	5.23E-01	1.30E+00	1.90E+00	1.87E-01	3.91E+00	5.15E-01	5.64E-05	2.08E-02	5.47E-03	5.41E-01	6.26E-01	1.30E+00	1.90E+00	1.87E-01	4.01E+00
3941	471863.09	3853877.25	4.17778	1.70784	10.932	2.57424	6.83E-01	1.32E+00	2.12E+00	1.90E-01	4.32E+00	6.73E-01	5.74E-05	2.32E-02	5.54E-03	7.02E-01	8.18E-01	1.32E+00	2.12E+00	1.90E-01	4.45E+00
3942	472363.09	3853877.25	4.41843	1.68597	11.137	2.60203	7.23E-01	1.31E+00	2.16E+00	1.92E-01	4.38E+00	7.12E-01	5.66E-05	2.37E-02	5.60E-03	7.41E-01	8.65E-01	1.31E+00	2.16E+00	1.92E-01	4.52E+00
3943	472863.09	3853877.25	4.72663	1.63919	11.197	2.64373	7.73E-01	1.27E+00	2.17E+00	1.95E-01	4.41E+00	7.62E-01	5.51E-05	2.38E-02	5.69E-03	7.91E-01	9.25E-01	1.27E+00	2.17E+00	1.95E-01	4.56E+00
3944	473363.09	3853877.25	5.04093	1.55495	10.576	2.77403	8.24E-01	1.21E+00	2.05E+00	2.04E-01	4.29E+00	8.12E-01	5.22E-05	2.25E-02	5.97E-03	8.41E-01	9.86E-01	1.21E+00	2.05E+00	2.04E-01	4.45E+00
3945	473863.09	3853877.25	5.2787	1.48275	9.7721	2.89793	8.63E-01	1.15E+00	1.89E+00	2.13E-01	4.12E+00	8.51E-01	4.98E-05	2.08E-02	6.24E-03	8.78E-01	1.03E+00	1.15E+00	1.89E+00	2.13E-01	4.29E+00
3946	474363.09	3853877.25	5.53665	1.41722	9.0074	3.01741	9.06E-01	1.10E+00	1.75E+00	2.22E-01	3.97E+00	8.92E-01	4.76E-05	1.92E-02	6.50E-03	9.18E-01	1.08E+00	1.10E+00	1.75E+00	2.22E-01	4.15E+00
3947	474863.09	3853877.25	5.88061	1.37334	8.5753	2.97978	9.62E-01	1.07E+00	1.66E+00	2.19E-01	3.91E+00	9.48E-01	4.61E-05	1.82E-02	6.41E-03	9.72E-01	1.15E+00	1.07E+00	1.66E+00	2.19E-01	4.10E+00
3948	475363.09	3853877.25	5.93506	1.21581	8.6448	2.64215	9.71E-01	9.43E-01	1.68E+00	1.95E-01	3.78E+00	9.56E-01	4.08E-05	1.84E-02	5.69E-03	9.80E-01	1.16E+00	9.43E-01	1.68E+00	1.95E-01	3.98E+00
3949	475863.09	3853877.25	4.88696	1.05473	8.4657	2.61059	7.99E-01	8.18E-01	1.64E+00	1.92E-01	3.45E+00	7.87E-01	3.54E-05	1.80E-02	5.62E-03	8.11E-01	9.56E-01	8.18E-01	1.64E+00	1.92E-01	3.61E+00
3950	476363.09	3853877.25	4.11347	0.88568	8.5667	2.4934	6.73E-01	6.87E-01	1.66E+00	1.84E-01	3.20E+00	6.63E-01	2.98E-05	1.82E-02	5.37E-03	6.86E-01	8.05E-01	6.87E-01	1.66E+00	1.84E-01	3.34E+00
3951	476863.09	3853877.25	3.71659	0.90716	7.5607	2.39196	6.08E-01	7.04E-01	1.47E+00	1.76E-01	2.95E+00	5.99E-01	3.05E-05	1.61E-02	5.15E-03	6.20E-01	7.27E-01	7.04E-01	1.47E+00	1.76E-01	3.07E+00
3952	477363.09	3853877.25	3.64578	0.91227	7.502	2.22297	5.96E-01	7.08E-01	1.45E+00	1.64E-01	2.92E+00	5.87E-01	3.06E-05	1.60E-02	4.79E-03	6.08E-01	7.13E-01	7.08E-01	1.45E+00	1.64E-01	3.04E+00
3953	477863.09	3853877.25	3.59167	0.90884	7.0374	2.0792	5.87E-01	7.05E-01	1.36E+00	1.53E-01	2.81E+00	5.79E-01	3.05E-05	1.50E-02	4.48E-03	5.98E-01	7.03E-01	7.05E-01	1.36E+00	1.53E-01	2.93E+00
3954	478363.09	3853877.25	3.37801	0.9293	6.4701	1.99557	5.53E-01	7.21E-01	1.25E+00	1.47E-01	2.67E+00	5.44E-01	3.12E-05	1.38E-02	4.30E-03	5.62E-01	6.61E-01	7.21E-01	1.25E+00	1.47E-01	2.78E+00
3955	478863.09	3853877.25	2.96065	0.8636	4.9105	1.85796	4.84E-01	6.70E-01	9.52E-01	1.37E-01	2.24E+00	4.77E-01	2.90E-05	1.04E-02	4.00E-03	4.92E-01	5.79E-01	6.70E-01	9.52E-01	1.37E-01	2.34E+00
3956	479363.09	3853877.25	2.71271	1.19135	4.1746	1.92516	4.44E-01	9.24E-01	8.09E-01	1.42E-01	2.32E+00	4.37E-01	4.00E-05	8.88E-03	4.14E-03	4.50E-01	5.31E-01	9.24E-01	8.09E-01	1.42E-01	2.41E+00
3957	479863.09	3853877.25	4.94844	2.03544	4.3285	2.37459	8.09E-01	1.58E+00	8.39E-01	1.75E-01	3.40E+00	7.97E-01	6.84E-05	9.20E-03	5.11E-03	8.12E-01	9.68E-01	1.58E+00	8.39E-01	1.75E-01	3.56E+00
3958	480363.09	3853877.25	9.38414	2.8555	4.2585	3.14036	1.53E+00	2.22E+00	8.26E-01	2.31E-01	4.81E+00	1.51E+00	9.59E-05	9.05E-03	6.76E-03	1.53E+00	1.84E+00	2.22E+00	8.26E-01	2.31E-01	5.11E+00
3959	480863.09	3853877.25	16.7208	6.02191	4.5537	3.83655	2.73E+00	4.67E+00	8.83E-01	2.82E-01	8.57E+00	2.69E+00	2.02E-04	9.68E-03	8.26E-03	2.71E+00	3.27E+00	4.67E+00	8.83E-01	2.82E-01	9.11E+00
3960	481363.09	3853877.25	17.2126	9.4803	5.3164	4.34481	2.82E+00	7.35E+00	1.03E+00	3.20E-01	1.15E+01	2.77E+00	3.18E-04	1.13E-02	9.35E-03	2.79E+00	3.37E+00	7.35E+00	1.03E+00	3.20E-01	1.21E+01
3961	481863.09	3853877.25	17.0954	16.2038	6.2115	5.26904	2.80E+00	1.26E+01	1.20E+00	3.88E-01	1.70E+01	2.75E+00	5.44E-04	1.32E-02	1.13E-02	2.78E+00	3.35E+00	1.26E+01	1.20E+00	3.88E-01	1.75E+01

3962	482363.09	3853877.25	20.2422	11.1113	6.8556	5.41102	3.31E+00	8.62E+00	1.33E+00	3.98E-01	1.37E+01	3.26E+00	3.73E-04	1.46E-02	1.16E-02	3.29E+00	3.96E+00	8.62E+00	1.33E+00	3.98E-01	1.43E+01
3963	482863.09	3853877.25	23.5354	6.74141	7.9056	5.21318	3.85E+00	5.23E+00	1.53E+00	3.84E-01	1.10E+01	3.79E+00	2.26E-04	1.68E-02	1.12E-02	3.82E+00	4.61E+00	5.23E+00	1.53E+00	3.84E-01	1.18E+01
3964	483363.09	3853877.25	29.0068	5.43096	8.7019	3.7722	4.74E+00	4.21E+00	1.69E+00	2.78E-01	1.09E+01	4.67E+00	1.82E-04	1.85E-02	8.12E-03	4.70E+00	5.68E+00	4.21E+00	1.69E+00	2.78E-01	1.19E+01
3965	483863.09	3853877.25	31.7589	4.07955	7.7704	4.63518	5.19E+00	3.16E+00	1.51E+00	3.41E-01	1.02E+01	5.12E+00	1.37E-04	1.65E-02	9.98E-03	5.14E+00	6.21E+00	3.16E+00	1.51E+00	3.41E-01	1.12E+01
3966	484363.09	3853877.25	25.0971	2.60551	10.893	4.13519	4.10E+00	2.02E+00	2.11E+00	3.04E-01	8.54E+00	4.04E+00	8.75E-05	2.32E-02	8.90E-03	4.08E+00	4.91E+00	2.02E+00	2.11E+00	3.04E-01	9.35E+00
3967	484863.09	3853877.25	10.7198	1.56166	17.258	6.44719	1.75E+00	1.21E+00	3.35E+00	4.75E-01	6.79E+00	1.73E+00	5.25E-05	3.67E-02	1.39E-02	1.78E+00	2.10E+00	1.21E+00	3.35E+00	4.75E-01	7.13E+00
3968	485363.09	3853877.25	3.95344	1.22477	14.554	5.55888	6.47E-01	9.50E-01	2.82E+00	4.09E-01	4.83E+00	6.37E-01	4.11E-05	3.09E-02	1.20E-02	6.80E-01	7.74E-01	9.50E-01	2.82E+00	4.09E-01	4.96E+00
3969	485863.09	3853877.25	4.66522	1.41464	25.718	5.09625	7.63E-01	1.10E+00	4.99E+00	3.75E-01	7.22E+00	7.52E-01	4.75E-05	5.47E-02	1.10E-02	8.17E-01	9.13E-01	1.10E+00	4.99E+00	3.75E-01	7.37E+00
3970	486363.09	3853877.25	3.44521	1.3996	12.877	4.49682	5.64E-01	1.09E+00	2.50E+00	3.31E-01	4.48E+00	5.55E-01	4.70E-05	2.74E-02	9.68E-03	5.92E-01	6.74E-01	1.09E+00	2.50E+00	3.31E-01	4.59E+00
3971	486863.09	3853877.25	2.39673	1.02137	19.181	3.15225	3.92E-01	7.92E-01	3.72E+00	2.32E-01	5.14E+00	3.86E-01	3.43E-05	4.08E-02	6.79E-03	4.34E-01	4.69E-01	7.92E-01	3.72E+00	2.32E-01	5.21E+00
3972	487363.09	3853877.25	2.30402	1.11801	26.803	3.05275	3.77E-01	8.67E-01	5.20E+00	2.25E-01	6.67E+00	3.71E-01	3.76E-05	5.70E-02	6.57E-03	4.35E-01	4.51E-01	8.67E-01	5.20E+00	2.25E-01	6.74E+00
3973	487863.09	3853877.25	3.21265	1.02528	9.5916	4.40044	5.25E-01	7.95E-01	1.86E+00	3.24E-01	3.50E+00	5.18E-01	3.44E-05	2.04E-02	9.47E-03	5.48E-01	6.29E-01	7.95E-01	1.86E+00	3.24E-01	3.61E+00
3974	488363.09	3853877.25	3.29273	0.92224	15.654	4.27485	5.39E-01	7.15E-01	3.04E+00	3.15E-01	4.60E+00	5.31E-01	3.10E-05	3.33E-02	9.20E-03	5.73E-01	6.44E-01	7.15E-01	3.04E+00	3.15E-01	4.71E+00
3975	488863.09	3853877.25	3.91044	0.97796	16.475	5.36886	6.40E-01	7.59E-01	3.19E+00	3.95E-01	4.99E+00	6.30E-01	3.29E-05	3.50E-02	1.16E-02	6.77E-01	7.65E-01	7.59E-01	3.19E+00	3.95E-01	5.11E+00
3976	489363.09	3853877.25	2.84528	0.8828	22.078	4.51891	4.65E-01	6.85E-01	4.28E+00	3.33E-01	5.76E+00	4.58E-01	2.97E-05	4.69E-02	9.73E-03	5.15E-01	5.57E-01	6.85E-01	4.28E+00	3.33E-01	5.86E+00
3977	489863.09	3853877.25	2.69086	0.97941	28.038	4.02292	4.40E-01	7.60E-01	5.44E+00	2.96E-01	6.93E+00	4.34E-01	3.29E-05	5.96E-02	8.66E-03	5.02E-01	5.27E-01	7.60E-01	5.44E+00	2.96E-01	7.02E+00
3978	490363.09	3853877.25	2.72055	1.09917	36.276	3.31031	4.45E-01	8.53E-01	7.03E+00	2.44E-01	8.58E+00	4.38E-01	3.69E-05	7.71E-02	7.13E-03	5.23E-01	5.32E-01	8.53E-01	7.03E+00	2.44E-01	8.66E+00
3979	490863.09	3853877.25	2.86908	1.06364	13.476	2.75871	4.69E-01	8.25E-01	2.61E+00	2.03E-01	4.11E+00	4.62E-01	3.57E-05	2.87E-02	5.94E-03	4.97E-01	5.61E-01	8.25E-01	2.61E+00	2.03E-01	4.20E+00
3980	491363.09	3853877.25	3.02344	0.95225	14.695	2.85095	4.95E-01	7.39E-01	2.85E+00	2.10E-01	4.29E+00	4.87E-01	3.20E-05	3.12E-02	6.14E-03	5.25E-01	5.92E-01	7.39E-01	2.85E+00	2.10E-01	4.39E+00
3981	491863.09	3853877.25	3.12297	1.00362	26.058	2.73421	5.11E-01	7.79E-01	5.05E+00	2.01E-01	6.54E+00	5.03E-01	3.37E-05	5.54E-02	5.89E-03	5.65E-01	6.11E-01	7.79E-01	5.05E+00	2.01E-01	6.64E+00
3982	492363.09	3853877.25	3.41372	1.24079	35.532	2.98615	5.58E-01	9.62E-01	6.89E+00	2.20E-01	8.63E+00	5.50E-01	4.17E-05	7.55E-02	6.43E-03	6.32E-01	6.68E-01	9.63E-01	6.89E+00	2.20E-01	8.74E+00
3983	492863.09	3853877.25	3.71147	1.2639	28.663	3.12589	6.07E-01	9.80E-01	5.56E+00	2.30E-01	7.38E+00	5.98E-01	4.25E-05	6.09E-02	6.73E-03	6.66E-01	7.26E-01	9.80E-01	5.56E+00	2.30E-01	7.49E+00
3984	493363.09	3853877.25	3.44478	0.96509	18.829	3.08729	5.63E-01	7.49E-01	3.65E+00	2.27E-01	5.19E+00	5.55E-01	3.24E-05	4.00E-02	6.65E-03	6.02E-01	6.74E-01	7.49E-01	3.65E+00	2.27E-01	5.30E+00
3985	493863.09	3853877.25	3.31397	0.86361	15.609	2.85565	5.42E-01	6.70E-01	3.03E+00	2.10E-01	4.45E+00	5.34E-01	2.90E-05	3.32E-02	6.15E-03	5.73E-01	6.48E-01	6.70E-01	3.03E+00	2.10E-01	4.56E+00
3986	494363.09	3853877.25	3.25281	0.80903	24.445	2.64391	5.32E-01	6.28E-01	4.74E+00	1.95E-01	6.09E+00	5.24E-01	2.72E-05	5.20E-02	5.69E-03	5.82E-01	6.37E-01	6.28E-01	4.74E+00	1.95E-01	6.20E+00
3987	494863.09	3853877.25	3.04642	0.79297	22.462	2.39741	4.98E-01	6.15E-01	4.36E+00	1.77E-01	5.65E+00	4.91E-01	2.66E-05	4.78E-02	5.16E-03	5.44E-01	5.96E-01	6.15E-01	4.36E+00	1.77E-01	5.74E+00
3988	495363.09	3853877.25	2.74575	0.72985	17.451	2.11642	4.49E-01	5.66E-01	3.38E+00	1.56E-01	4.55E+00	4.42E-01	2.45E-05	3.71E-02	4.56E-03	4.84E-01	5.37E-01	5.66E-01	3.38E+00	1.56E-01	4.64E+00
3989	495863.09	3853877.25	2.26975	0.65471	16.179	1.89264	3.71E-01	5.08E-01	3.14E+00	1.39E-01	4.16E+00	3.66E-01	2.20E-05	3.44E-02	4.07E-03	4.04E-01	4.44E-01	5.08E-01	3.14E+00	1.39E-01	4.23E+00
3990	496363.09	3853877.25	1.90528	0.68915	14.433	1.79984	3.12E-01	5.35E-01	2.80E+00	1.33E-01	3.78E+00	3.07E-01	2.31E-05	3.07E-02	3.87E-03	3.42E-01	3.73E-01	5.35E-01	2.80E+00	1.33E-01	3.84E+00
3991	496863.09	3853877.25	1.57209	0.69142	12.983	1.69074	2.57E-01	5.36E-01	2.52E+00	1.24E-01	3.44E+00	2.53E-01	2.32E-05	2.76E-02	3.64E-03	2.85E-01	3.08E-01	5.36E-01	2.52E+00	1.24E-01	3.49E+00
3992	497363.09	3853877.25	1.42512	0.71013	10.748	1.64831	2.33E-01	5.51E-01	2.08E+00	1.21E-01	2.99E+00	2.30E-01	2.39E-05	2.29E-02	3.55E-03	2.56E-01	2.79E-01	5.51E-01	2.08E+00	1.21E-01	3.04E+00
3993	497863.09	3853877.25	1.26374	0.71497	9.4894	1.469	2.07E-01	5.55E-01	1.84E+00	1.08E-01	2.71E+00	2.04E-01	2.40E-05	2.02E-02	3.16E-03	2.27E-01	2.47E-01	5.55E-01	1.84E+00	1.08E-01	2.75E+00
3994	498363.09	3853877.25	1.20573	0.72466	8.0697	1.43623	1.97E-01	5.62E-01	1.56E+00	1.06E-01	2.43E+00	1.94E-01	2.43E-05	1.72E-02	3.09E-03	2.15E-01	2.36E-01	5.62E-01	1.56E+00	1.06E-01	2.47E+00
3995	471363.09	3854377.25	3.40606	1.63348	8.1553	2.45603	5.57E-01	1.27E+00	1.58E+00	1.81E-01	3.59E+00	5.49E-01	5.49E-05	1.73E-02	5.29E-03	5.72E-01	6.66E-01	1.27E+00	1.58E+00	1.81E-01	3.70E+00
3996	471863.09	3854377.25	3.78146	1.66502	9.6528	2.50639	6.18E-01	1.29E+00	1.87E+00	1.85E-01	3.97E+00	6.09E-01	5.59E-05	2.05E-02	5.40E-03	6.35E-01	7.40E-01	1.29E+00	1.87E+00	1.85E-01	4.09E+00
3997	472363.09	3854377.25	4.04321	1.69955	10.943	2.56455	6.61E-01	1.32E+00	2.12E+00	1.89E-01	4.29E+00	6.51E-01	5.71E-05	2.33E-02	5.52E-03	6.80E-01	7.91E-01	1.32E+00	2.12E+00	1.89E-01	4.42E+00
3998	472863.09	3854377.25	4.2294	1.73355	11.923	2.62018	6.92E-01	1.34E+00	2.31E+00	1.93E-01	4.54E+00	6.81E-01	5.82E-05	2.54E-02	5.64E-03	7.13E-01	8.28E-01	1.34E+00	2.31E+00	1.93E-01	4.68E+00
3999	473363.09	3854377.25	4.49759	1.77035	12.923	2.67963	7.36E-01	1.37E+00	2.51E+00	1.97E-01	4.81E+00	7.25E-01	5.95E-05	2.75E-02	5.77E-03	7.58E-01	8.80E-01	1.37E+00	2.51E+00	1.97E-01	4.96E+00
4000	473863.09	3854377.25	4.82445	1.78848	13.73	2.73827	7.89E-01	1.39E+00	2.66E+00	2.02E-01	5.04E+00	7.77E-01	6.01E-05	2.92E-02	5.89E-03	8.13E-01	9.44E-01	1.39E+00	2.66E+00	2.02E-01	5.20E+00
4001	474363.09	3854377.25	5.12393	1.76623	13.949	2.79931	8.38E-01	1.37E+00	2.70E+00	2.06E-01	5.12E+00	8.26E-01	5.93E-05	2.97E-02	6.03E-03	8.61E-01	1.00E+00	1.37E+00	2.70E+00	2.06E-01	5.28E+00
4002	474863.09	3854377.25	4.87884	1.6545	12.268	2.81306	7.98E-01	1.28E+00	2.38E+00	2.07E-01	4.67E+00	7.86E-01	5.56E-05	2.61E-02	6.06E-03	8.18E-01	9.55E-01	1.28E+00	2.38E+00	2.07E-01	4.82E+00
4003	475363.09	3854377.25	3.35765	1.47697	10.847	2.86439	5.49E-01	1.15E+00	2.10E+00	2.11E-01	4.01E+00	5.41E-01	4.96E-05	2.31E-02	6.17E-03	5.70E-01	6.57E-01	1.15E+00	2.10E+00	2.11E-01	4.12E+00
4004	475863.09	3854377.25	2.61452	1.35675	9.4166	2.87858	4.28E-01	1.05E+00	1.83E+00	2.12E-01	3.52E+00	4.21E-01	4.56E-05	2.00E-02	6.20E-03	4.48E-01	5.12E-01	1.05E+00	1.83E+00	2.12E-01	3.60E+00
4005	476363.09	3854377.25	2.93579	1.21653	9.3023	2.90698	4.80E-01	9.44E-01	1.80E+00	2.14E-01	3.44E+00	4.73E-01	4.09E-05	1.98E-02	6.26E-03	4.99E-01	5.74E-01	9.44E-01	1.80E+00	2.14E-01	3.54E+00
4006	476863.09	3854377.25	3.24091	1.07433	9.0061	2.9092	5.30E-01	8.33E-01	1.75E+00	2.14E-01	3.32E+00	5.22E-01	3.61E-05	1.91E-02	6.26E-03	5.48E-01	6.34E-01	8.33E-01	1.75E+00	2.14E-01	3.43E+00
4007	477363.09	3854377.25	3.56632	0.96543	8.6516	2.89503	5.83E-01	7.49E-01	1.68E+00	2.13E-01	3.22E+00	5.75E-01	3.24E-05	1.84E-02	6.23E-03	5.99E-01	6.98E-01	7.49E-01	1.68E+00	2.13E-01	3.34E+00
4008	477863.09	3854377.25	3.81051	0.96656	8.5784	2.81808	6.23E-01	7.50E-01	1.66E+00	2.07E-01	3.24E+00	6.14E-01	3.25E-05	1.82E-02	6.07E-03	6.38E-01	7.46E-01	7.50E-01	1.66E+00	2.07E-01	3.37E+00
4009	478363.09	3854377.25	3.9518	1.00519	8.2395	2.63678	6.46E-01	7.80E-01	1.60E+00	1.94E-01	3.22E+00	6.37E-01	3.38E-05	1.75E-02	5.68E-03	6.60E-01	7.73E-01	7.80E-01	1.60E+00	1.94E-01	3.34E+00
4010	478863.09	3854377.25	3.99117	0.92395	7.9973	2.39983	6.53E-01	7.17E-01	1.55E+00	1.77E-01	3.10E+00	6.43E-01	3.10E-05	1.70E-02	5.17E-03	6.65E-01	7.81E-01	7.17E-01	1.55E+00	1.77E-01	3.23E+00
4011	479363.09	3854377.25	4.71782	1.15426	7.904	2.28008	7.72E-01	8.95E-01	1.53E+00	1.68E-01	3.37E+00	7.60E-01	3.88E-05	1.68E-02	4.91E-03	7.82E-01	9.23E-01	8.95E-01	1.53E+00	1.68E-01	3.52E+00
4012	479863.09	3854377.25	6.74566	1.64626	8.9803	2.28442	1.10E+00	1.28E+00	1.74E+00	1.68E-01	4.29E+00	1.09E+00	5.53E-05	1.91E-02	4.92E-03	1.11E+00	1.32E+00	1.28E+00	1.74E+00	1.68E-01	4.51E+00
4013	480363.09	3854377.25	7.18053	2.27646	8.3504	2.86863	1.17E+00	1.77E+00	1.62E+00	2.11E-01	4.77E+00	1.16E+00	7.65E-05	1.78E-02	6.18E-03	1.18E+00	1.41E+00	1.77E+00	1.62E+00	2.11E-01	5.00E+00
4014	480863.09	3854377.25	12.1067	3.4217	5.9556	3.64126	1.98E+00	2.65E+00	1.15E+00	2.68E-01	6.06E+00	1.95E+00	1.15E-04	1.27E-02	7.84E-03	1.97E+00	2.37E+00	2.65E+00	1.15E+00	2.68E-01	6.45E+00
4015	481363.09	3854377.25	16.81	6.49092	4.8448	3.98702	2.75E+00	5.04E+00	9.39E-01	2.94E-01	9.02E+00	2.71E+00	2.18E-04	1.03E-02	8.58E-03	2.73E+00	3.29E+00	5.04E+00	9.39E-01	2.94E-01	9.56E+00
4016	481863.09	3854377.25	17.3498	18.6039	5.2905	4.68673	2.84E+00	1.44E+01	1.03E+00	3.45E-01	1.86E+01	2.80E+00	6.25E-04	1.12E-02	1.01E-02	2.82E+00	3.40E+00	1.44E+01	1.03E+00	3.45E-01	1.92E+01
4017	482363.09	3854377.25	16.1684	18.7281	6.4479	6.39483	2.64E+00	1.45E+01	1.25E+00	4.71E-01	1.89E+01	2.61E+00	6.29E-04	1.37E-02	1.38E-02	2.63E+00	3.16E+00	1.45E+01	1.25E+00	4.71E-01	1.94E+01
4018	482863.09	3854377.25	21.395	10.5423	7.1223	7.84429	3.50E+00	8.18E+00	1.38E+00	5.78E-01	1.36E+01	3.45E+00	3.54E-04	1.51E-02	1.69E-02	3.48E+00	4.19E+00	8.18E+00	1.38E+00	5.78E-01	1.43E+01
4019	483363.09	3854377.25	28.0499	5.60014	8.2486	5.91735	4.59E+00	4.34E+00	1.60E+00	4.36E-01	1.10E+01	4.52E+00	1.88E-04	1.75E-02	1.27E-02	4.55E+00	5.49E+00	4.34E+00	1.60E+00	4.36E-01	1.19E+01
4020	483863.09	3854377.25	38.198	3.50088	9.5257	6.46548	6.25E+00	2.72E+00	1.85E+00	4.76E-01	1.13E+01	6.15E+00	1.18E-04	2.03E-02	1.39E-02	6.19E+00	7.47E+00	2.72E+00	1.85E+00	4.76E-01	1.25E+01
4021	484363.09	3854377.25	25.6197	2.1742	8.6435	7.96342	4.19E+00	1.69E+00	1.68E+00	5.86E-01	8.14E+00	4.13E+00	7.30E-05	1.84E-02	1.71E-02	4.16E+00	5.01E+00	1.69E+00	1.68E+00	5.86E-01	8.96E+00
4022	484863.09	3854377.25	7.62639	1.3816	20.178	6.79176	1.25E+00	1.07E+00	3.91E+00	5.00E-01	6.73E+00	1.23E+00	4.64E-05	4.29E-02	1.46E-02	1.29E+00	1.49E+00	1.07E+00	3.91E+00	5.00E-01	6.98E+00

4023	485363.09	3854377.25	7.86089	1.61423	16.513	5.43545	1.29E+00	1.25E+00	3.20E+00	4.00E-01	6.14E+00	1.27E+00	5.42E-05	3.51E-02	1.17E-02	1.31E+00	1.54E+00	1.25E+00	3.20E+00	4.00E-01	6.39E+00
4024	485863.09	3854377.25	5.37145	1.42561	28.624	7.92802	8.79E-01	1.11E+00	5.55E+00	5.84E-01	8.12E+00	8.66E-01	4.79E-05	6.09E-02	1.71E-02	9.43E-01	1.05E+00	1.11E+00	5.55E+00	5.84E-01	8.29E+00
4025	486363.09	3854377.25	4.79963	1.5834	18.15	5.11429	7.85E-01	1.23E+00	3.52E+00	3.77E-01	5.91E+00	7.73E-01	5.32E-05	3.86E-02	1.10E-02	8.23E-01	9.39E-01	1.23E+00	3.52E+00	3.77E-01	6.06E+00
4026	486863.09	3854377.25	3.87194	1.10544	23.59	7.42776	6.33E-01	8.57E-01	4.57E+00	5.47E-01	6.61E+00	6.24E-01	3.71E-05	5.02E-02	1.60E-02	6.90E-01	7.58E-01	8.58E-01	4.57E+00	5.47E-01	6.74E+00
4027	487363.09	3854377.25	3.93979	1.24634	42.052	7.14585	6.44E-01	9.67E-01	8.15E+00	5.26E-01	1.03E+01	6.35E-01	4.19E-05	8.94E-02	1.54E-02	7.40E-01	7.71E-01	9.67E-01	8.15E+00	5.26E-01	1.04E+01
4028	487863.09	3854377.25	4.22844	1.19582	12.693	8.48853	6.92E-01	9.28E-01	2.46E+00	6.25E-01	4.71E+00	6.81E-01	4.02E-05	2.70E-02	1.83E-02	7.27E-01	8.27E-01	9.28E-01	2.46E+00	6.25E-01	4.84E+00
4029	488363.09	3854377.25	4.64759	1.20208	17.009	8.39675	7.60E-01	9.32E-01	3.30E+00	6.18E-01	5.61E+00	7.49E-01	4.04E-05	3.62E-02	1.81E-02	8.03E-01	9.09E-01	9.33E-01	3.30E+00	6.18E-01	5.76E+00
4030	488863.09	3854377.25	4.86586	1.17809	17.994	7.08313	7.96E-01	9.14E-01	3.49E+00	5.21E-01	5.72E+00	7.84E-01	3.96E-05	3.83E-02	1.52E-02	8.38E-01	9.52E-01	9.14E-01	3.49E+00	5.21E-01	5.88E+00
4031	489363.09	3854377.25	4.69378	1.0625	28.934	5.89275	7.68E-01	8.24E-01	5.61E+00	4.34E-01	7.64E+00	7.56E-01	3.57E-05	6.15E-02	1.27E-02	8.31E-01	9.18E-01	8.24E-01	5.61E+00	4.34E-01	7.79E+00
4032	489863.09	3854377.25	4.61855	1.18644	46.867	5.24547	7.55E-01	9.20E-01	9.09E+00	3.86E-01	1.11E+01	7.44E-01	3.99E-05	9.96E-02	1.13E-02	8.55E-01	9.04E-01	9.20E-01	9.09E+00	3.86E-01	1.13E+01
4033	490363.09	3854377.25	4.39484	1.10646	29.736	3.98525	7.19E-01	8.58E-01	5.77E+00	2.93E-01	7.64E+00	7.08E-01	3.72E-05	6.32E-02	8.58E-03	7.80E-01	8.60E-01	8.58E-01	5.77E+00	2.93E-01	7.78E+00
4034	490863.09	3854377.25	3.06805	0.95151	15.587	4.15957	5.02E-01	7.38E-01	3.02E+00	3.06E-01	4.57E+00	4.94E-01	3.20E-05	3.31E-02	8.95E-03	5.36E-01	6.00E-01	7.38E-01	3.02E+00	3.06E-01	4.67E+00
4035	491363.09	3854377.25	3.8073	1.0506	33.072	4.18138	6.23E-01	8.15E-01	6.41E+00	3.08E-01	8.16E+00	6.13E-01	3.53E-05	7.03E-02	9.00E-03	6.93E-01	7.45E-01	8.15E-01	6.41E+00	3.08E-01	8.28E+00
4036	491863.09	3854377.25	4.49575	1.25611	43.666	4.44778	7.35E-01	9.74E-01	8.47E+00	3.27E-01	1.05E+01	7.24E-01	4.22E-05	9.28E-02	9.57E-03	8.27E-01	8.80E-01	9.74E-01	8.47E+00	3.27E-01	1.06E+01
4037	492363.09	3854377.25	4.61302	1.45675	34.356	4.5971	7.55E-01	1.13E+00	6.66E+00	3.38E-01	8.88E+00	7.43E-01	4.89E-05	7.30E-02	9.90E-03	8.26E-01	9.03E-01	1.13E+00	6.66E+00	3.38E-01	9.03E+00
4038	492863.09	3854377.25	4.45051	1.27552	21.306	4.285	7.28E-01	9.89E-01	4.13E+00	3.15E-01	6.16E+00	7.17E-01	4.28E-05	4.53E-02	9.22E-03	7.72E-01	8.71E-01	9.89E-01	4.13E+00	3.15E-01	6.31E+00
4039	493363.09	3854377.25	4.13799	1.22397	29.991	3.69724	6.77E-01	9.49E-01	5.82E+00	2.72E-01	7.71E+00	6.67E-01	4.11E-05	6.38E-02	7.96E-03	7.39E-01	8.10E-01	9.49E-01	5.82E+00	2.72E-01	7.85E+00
4040	493863.09	3854377.25	3.79955	1.00362	44.824	3.49498	6.21E-01	7.79E-01	8.69E+00	2.57E-01	1.03E+01	6.12E-01	3.37E-05	9.53E-02	7.52E-03	7.15E-01	7.43E-01	7.79E-01	8.69E+00	2.57E-01	1.05E+01
4041	494363.09	3854377.25	3.49116	0.98726	35.216	2.8469	5.71E-01	7.66E-01	6.83E+00	2.10E-01	8.38E+00	5.63E-01	3.32E-05	7.49E-02	6.13E-03	6.44E-01	6.83E-01	7.66E-01	6.83E+00	2.10E-01	8.49E+00
4042	494863.09	3854377.25	2.80055	0.84519	22.404	2.02077	4.58E-01	6.56E-01	4.34E+00	1.49E-01	5.61E+00	4.51E-01	2.84E-05	4.76E-02	4.35E-03	5.03E-01	5.48E-01	6.56E-01	4.34E+00	1.49E-01	5.70E+00
4043	495363.09	3854377.25	1.95611	0.72356	16.38	1.79639	3.20E-01	5.61E-01	3.18E+00	1.32E-01	4.19E+00	3.15E-01	2.43E-05	3.48E-02	3.87E-03	3.54E-01	3.83E-01	5.61E-01	3.18E+00	1.32E-01	4.25E+00
4044	495863.09	3854377.25	1.82633	0.72277	14.474	1.72084	2.99E-01	5.61E-01	2.81E+00	1.27E-01	3.79E+00	2.94E-01	2.43E-05	3.08E-02	3.70E-03	3.29E-01	3.57E-01	5.61E-01	2.81E+00	1.27E-01	3.85E+00
4045	496363.09	3854377.25	1.6725	0.72565	12.874	1.62179	2.74E-01	5.63E-01	2.50E+00	1.19E-01	3.45E+00	2.69E-01	2.44E-05	2.74E-02	3.49E-03	3.00E-01	3.27E-01	5.63E-01	2.50E+00	1.19E-01	3.51E+00
4046	496863.09	3854377.25	1.58238	0.71599	10.273	1.62806	2.59E-01	5.55E-01	1.99E+00	1.20E-01	2.93E+00	2.55E-01	2.41E-05	2.18E-02	3.50E-03	2.80E-01	3.10E-01	5.55E-01	1.99E+00	1.20E-01	2.98E+00
4047	497363.09	3854377.25	1.36857	0.72035	9.9614	1.53308	2.24E-01	5.59E-01	1.93E+00	1.13E-01	2.83E+00	2.21E-01	2.42E-05	2.12E-02	3.30E-03	2.45E-01	2.68E-01	5.59E-01	1.93E+00	1.13E-01	2.87E+00
4048	497863.09	3854377.25	1.33819	0.7384	9.8994	1.56413	2.19E-01	5.73E-01	1.92E+00	1.15E-01	2.83E+00	2.16E-01	2.48E-05	2.10E-02	3.37E-03	2.40E-01	2.62E-01	5.73E-01	1.92E+00	1.15E-01	2.87E+00
4049	498363.09	3854377.25	1.31774	0.74696	9.7272	1.56495	2.16E-01	5.79E-01	1.89E+00	1.15E-01	2.80E+00	2.12E-01	2.51E-05	2.07E-02	3.37E-03	2.36E-01	2.58E-01	5.79E-01	1.89E+00	1.15E-01	2.84E+00
4050	471363.09	3854877.25	3.40224	1.71951	7.2557	2.40372	5.56E-01	1.33E+00	1.41E+00	1.77E-01	3.47E+00	5.48E-01	5.78E-05	1.54E-02	5.17E-03	5.69E-01	6.66E-01	1.33E+00	1.41E+00	1.77E-01	3.58E+00
4051	471863.09	3854877.25	3.67287	1.72212	7.5311	2.52127	6.01E-01	1.34E+00	1.46E+00	1.86E-01	3.58E+00	5.92E-01	5.78E-05	1.60E-02	5.43E-03	6.13E-01	7.19E-01	1.34E+00	1.46E+00	1.86E-01	3.70E+00
4052	472363.09	3854877.25	3.86008	1.69689	7.683	2.65729	6.31E-01	1.32E+00	1.49E+00	1.96E-01	3.63E+00	6.22E-01	5.70E-05	1.63E-02	5.72E-03	6.44E-01	7.55E-01	1.32E+00	1.49E+00	1.96E-01	3.76E+00
4053	472863.09	3854877.25	3.83665	1.68037	8.1751	2.67408	6.28E-01	1.30E+00	1.59E+00	1.97E-01	3.71E+00	6.18E-01	5.64E-05	1.74E-02	5.76E-03	6.41E-01	7.51E-01	1.30E+00	1.59E+00	1.97E-01	3.84E+00
4054	473363.09	3854877.25	4.17248	1.69198	9.7106	2.89376	6.82E-01	1.31E+00	1.88E+00	2.13E-01	4.09E+00	6.72E-01	5.68E-05	2.06E-02	6.23E-03	6.99E-01	8.16E-01	1.31E+00	1.88E+00	2.13E-01	4.23E+00
4055	473863.09	3854877.25	4.45335	1.71423	11.496	3.08293	7.28E-01	1.33E+00	2.23E+00	2.27E-01	4.51E+00	7.18E-01	5.76E-05	2.44E-02	6.64E-03	7.49E-01	8.71E-01	1.33E+00	2.23E+00	2.27E-01	4.66E+00
4056	474363.09	3854877.25	4.84415	1.98217	13.617	3.34718	7.92E-01	1.54E+00	2.64E+00	2.46E-01	5.22E+00	7.81E-01	6.66E-05	2.90E-02	7.21E-03	8.17E-01	9.48E-01	1.54E+00	2.64E+00	2.46E-01	5.37E+00
4057	474863.09	3854877.25	3.79876	1.68736	14.545	2.97643	6.21E-01	1.31E+00	2.82E+00	2.19E-01	4.97E+00	6.12E-01	5.67E-05	3.09E-02	6.41E-03	6.49E-01	7.43E-01	1.31E+00	2.82E+00	2.19E-01	5.09E+00
4058	475363.09	3854877.25	2.19439	1.64412	11.295	2.76457	3.59E-01	1.28E+00	2.19E+00	2.04E-01	4.03E+00	3.54E-01	5.52E-05	2.40E-02	5.95E-03	3.84E-01	4.29E-01	1.28E+00	2.19E+00	2.04E-01	4.10E+00
4059	475863.09	3854877.25	1.76659	1.68131	10.314	2.87947	2.89E-01	1.30E+00	2.00E+00	2.12E-01	3.81E+00	2.85E-01	5.65E-05	2.19E-02	6.20E-03	3.13E-01	3.46E-01	1.30E+00	2.00E+00	2.12E-01	3.86E+00
4060	476363.09	3854877.25	1.68967	1.67986	10.662	2.90301	2.76E-01	1.30E+00	2.07E+00	2.14E-01	3.86E+00	2.72E-01	5.64E-05	2.27E-02	6.25E-03	3.01E-01	3.31E-01	1.30E+00	2.07E+00	2.14E-01	3.91E+00
4061	476863.09	3854877.25	1.84254	1.62996	10.911	3.01293	3.01E-01	1.26E+00	2.12E+00	2.22E-01	3.90E+00	2.97E-01	5.48E-05	2.32E-02	6.49E-03	3.27E-01	3.61E-01	1.26E+00	2.12E+00	2.22E-01	3.96E+00
4062	477363.09	3854877.25	2.11222	1.52325	10.858	3.10443	3.45E-01	1.18E+00	2.11E+00	2.29E-01	3.86E+00	3.40E-01	5.12E-05	2.31E-02	6.68E-03	3.70E-01	4.13E-01	1.18E+00	2.11E+00	2.29E-01	3.93E+00
4063	477863.09	3854877.25	2.51803	1.37534	10.685	3.17002	4.12E-01	1.07E+00	2.07E+00	2.33E-01	3.78E+00	4.06E-01	4.62E-05	2.27E-02	6.82E-03	4.35E-01	4.93E-01	1.07E+00	2.07E+00	2.33E-01	3.86E+00
4064	478363.09	3854877.25	2.98852	1.21185	10.181	3.21402	4.89E-01	9.40E-01	1.97E+00	2.37E-01	3.64E+00	4.82E-01	4.07E-05	2.16E-02	6.92E-03	5.10E-01	5.85E-01	9.40E-01	1.97E+00	2.37E-01	3.74E+00
4065	478863.09	3854877.25	3.59025	1.16241	10.496	3.08813	5.87E-01	9.02E-01	2.04E+00	2.27E-01	3.75E+00	5.79E-01	3.90E-05	2.23E-02	6.65E-03	6.08E-01	7.03E-01	9.02E-01	2.04E+00	2.27E-01	3.87E+00
4066	479363.09	3854877.25	6.05046	1.35028	11.353	2.97759	9.90E-01	1.05E+00	2.20E+00	2.19E-01	4.46E+00	9.75E-01	4.54E-05	2.41E-02	6.41E-03	1.01E+00	1.18E+00	1.05E+00	2.20E+00	2.19E-01	4.65E+00
4067	479863.09	3854877.25	7.19115	1.82061	14.368	3.72056	1.18E+00	1.41E+00	2.79E+00	2.74E-01	5.65E+00	1.16E+00	6.12E-05	3.05E-02	8.01E-03	1.20E+00	1.41E+00	1.41E+00	2.79E+00	2.74E-01	5.88E+00
4068	480363.09	3854877.25	9.56588	2.46947	13.579	4.77781	1.56E+00	1.92E+00	2.63E+00	3.52E-01	6.46E+00	1.54E+00	8.30E-05	2.89E-02	1.03E-02	1.58E+00	1.87E+00	1.92E+00	2.63E+00	3.52E-01	6.77E+00
4069	480863.09	3854877.25	12.3989	4.38678	12.078	4.91614	2.03E+00	3.40E+00	2.34E+00	3.62E-01	8.13E+00	2.00E+00	1.47E-04	2.57E-02	1.06E-02	2.03E+00	2.43E+00	3.40E+00	2.34E+00	3.62E-01	8.53E+00
4070	481363.09	3854877.25	14.537	5.73046	10.243	4.06116	2.38E+00	4.45E+00	1.99E+00	2.99E-01	9.11E+00	2.34E+00	1.92E-04	2.18E-02	8.74E-03	2.37E+00	2.84E+00	4.45E+00	1.99E+00	2.99E-01	9.58E+00
4071	481863.09	3854877.25	15.2666	4.78329	6.8839	5.15378	2.50E+00	3.71E+00	1.33E+00	3.79E-01	7.92E+00	2.46E+00	1.61E-04	1.46E-02	1.11E-02	2.49E+00	2.99E+00	3.71E+00	1.33E+00	3.79E-01	8.41E+00
4072	482363.09	3854877.25	18.1261	22.9957	5.6389	5.38886	2.96E+00	1.78E+01	1.09E+00	3.97E-01	2.23E+01	2.92E+00	7.72E-04	1.20E-02	1.16E-02	2.95E+00	3.55E+00	1.78E+01	1.09E+00	3.97E-01	2.29E+01
4073	482863.09	3854877.25	19.4909	18.0016	6.194	7.41079	3.19E+00	1.40E+01	1.20E+00	5.46E-01	1.89E+01	3.14E+00	6.05E-04	1.32E-02	1.60E-02	3.17E+00	3.81E+00	1.40E+01	1.20E+00	5.46E-01	1.95E+01
4074	483363.09	3854877.25	19.4959	11.9798	7.5525	6.94957	3.19E+00	9.29E+00	1.46E+00	5.12E-01	1.45E+01	3.14E+00	4.02E-04	1.61E-02	1.50E-02	3.17E+00	3.81E+00	9.29E+00	1.46E+00	5.12E-01	1.51E+01
4075	483863.09	3854877.25	40.3767	5.72837	8.869	8.62063	6.60E+00	4.44E+00	1.72E+00	6.35E-01	1.34E+01	6.51E+00	1.92E-04	1.89E-02	1.86E-02	6.54E+00	7.90E+00	4.44E+00	1.72E+00	6.35E-01	1.47E+01
4076	484363.09	3854877.25	44.1898	2.7617	10.377	8.74326	7.23E+00	2.14E+00	2.01E+00	6.44E-01	1.20E+01	7.12E+00	9.28E-05	2.21E-02	1.88E-02	7.16E+00	8.65E+00	2.14E+00	2.01E+00	6.44E-01	1.34E+01
4077	484863.09	3854877.25	29.1707	2.47346	9.7472	6.74311	4.77E+00	1.92E+00	1.89E+00	4.96E-01	9.08E+00	4.70E+00	8.31E-05	2.07E-02	1.45E-02	4.74E+00	5.71E+00	1.92E+00	1.89E+00	4.96E-01	1.00E+01
4078	485363.09	3854877.25	17.3161	1.89501	21.2	12.71333	2.83E+00	1.47E+00	4.11E+00	9.36E-01	9.35E+00	2.79E+00	6.37E-05	4.51E-02	2.74E-02	2.86E+00	3.39E+00	1.47E+00	4.11E+00	9.36E-01	9.91E+00
4079	485863.09	3854877.25	8.98776	1.76079	16.836	11.65999	1.47E+00	1.37E+00	3.26E+00	8.58E-01	6.96E+00	1.45E+00	5.91E-05	3.58E-02	2.51E-02	1.51E+00	1.76E+00	1.37E+00	3.26E+00	8.58E-01	7.25E+00
4080	486363.09	3854877.25	5.86918	1.65473	35.176	12.5383	9.60E-01	1.28E+00	6.82E+00	9.23E-01	9.99E+00	9.46E-01	5.56E-05	7.48E-02	2.70E-02	1.05E+00	1.15E+00	1.28E+00	6.82E+00	9.23E-01	1.02E+01
4081	486863.09	3854877.25	4.51521	1.50676	18.062	13.30097	7.39E-01	1.17E+00	3.50E+00	9.79E-01	6.39E+00	7.28E-01	5.06E-05	3.84E-02	2.86E-02	7.95E-01	8.84E-01	1.17E+00	3.50E+00	9.79E-01	6.53E+00
4082	487363.09	3854877.25	4.93506	1.39036	48.388	11.5085	8.07E-01	1.08E+00	9.38E+00	8.47E-01	1.21E+01	7.95E-01	4.67E-05	1.03E-01	2.48E-02	9.23E-01	9.66E-01	1.08E+00	9.38E+00	8.47E-01	1.23E+01
4083	487863.09	3854877.25	5.80317	1.34414	16.953	8.52585	9.49E-01	1.04E+00	3.29E+00	6.28E-01	5.91E+00	9.35E-01	4.52E-05	3.60E-02	1.84E-02	9.90E-01	1.14E+00	1.04E+00	3.29E+00	6.28E-01	6.09E+00

4084	488363.09	3854877.25	6.72971	1.40798	18.544	7.89276	1.10E+00	1.09E+00	3.60E+00	5.81E-01	6.37E+00	1.08E+00	4.73E-05	3.94E-02	1.70E-02	1.14E+00	1.32E+00	1.09E+00	3.60E+00	5.81E-01	6.59E+00
4085	488863.09	3854877.25	7.5439	1.25436	20.112	6.58483	1.23E+00	9.73E-01	3.90E+00	4.85E-01	6.59E+00	1.22E+00	4.21E-05	4.28E-02	1.42E-02	1.27E+00	1.48E+00	9.73E-01	3.90E+00	4.85E-01	6.83E+00
4086	489363.09	3854877.25	7.4888	1.2913	34.87	5.92219	1.22E+00	1.00E+00	6.76E+00	4.36E-01	9.42E+00	1.21E+00	4.34E-05	7.41E-02	1.27E-02	1.29E+00	1.47E+00	1.00E+00	6.76E+00	4.36E-01	9.66E+00
4087	489863.09	3854877.25	6.60318	1.30524	59.596	6.12973	1.08E+00	1.01E+00	1.16E+01	4.51E-01	1.41E+01	1.06E+00	4.38E-05	1.27E-01	1.32E-02	1.20E+00	1.29E+00	1.01E+00	1.16E+01	4.51E-01	1.43E+01
4088	490363.09	3854877.25	3.99637	1.08393	16.699	4.53194	6.54E-01	8.41E-01	3.24E+00	3.34E-01	5.07E+00	6.44E-01	3.64E-05	3.55E-02	9.76E-03	6.89E-01	7.82E-01	8.41E-01	3.24E+00	3.34E-01	5.19E+00
4089	490863.09	3854877.25	3.0806	1.01853	19.389	2.94601	5.04E-01	7.90E-01	3.76E+00	2.17E-01	5.27E+00	4.96E-01	3.42E-05	4.12E-02	6.34E-03	5.44E-01	6.03E-01	7.90E-01	3.76E+00	2.17E-01	5.37E+00
4090	491363.09	3854877.25	3.13688	1.17109	32.107	2.83578	5.13E-01	9.08E-01	6.23E+00	2.09E-01	7.86E+00	5.05E-01	3.93E-05	6.83E-02	6.10E-03	5.80E-01	6.14E-01	9.08E-01	6.23E+00	2.09E-01	7.96E+00
4091	491863.09	3854877.25	6.01853	1.58364	35.734	4.66595	9.84E-01	1.23E+00	6.93E+00	3.44E-01	9.49E+00	9.70E-01	5.32E-05	7.60E-02	1.00E-02	1.06E+00	1.18E+00	1.23E+00	6.93E+00	3.44E-01	9.68E+00
4092	492363.09	3854877.25	6.218	1.44131	25.68	4.6678	1.02E+00	1.12E+00	4.98E+00	3.44E-01	7.46E+00	1.00E+00	4.84E-05	5.46E-02	1.00E-02	1.07E+00	1.22E+00	1.12E+00	4.98E+00	3.44E-01	7.66E+00
4093	492863.09	3854877.25	5.92073	1.27725	54.759	4.89831	9.68E-01	9.91E-01	1.06E+01	3.61E-01	1.29E+01	9.54E-01	4.29E-05	1.16E-01	1.05E-02	1.08E+00	1.16E+00	9.91E-01	1.06E+01	3.61E-01	1.31E+01
4094	493363.09	3854877.25	5.44161	1.24575	62.365	4.75211	8.90E-01	9.66E-01	1.21E+01	3.50E-01	1.43E+01	8.77E-01	4.18E-05	1.33E-01	1.02E-02	1.02E+00	1.06E+00	9.66E-01	1.21E+01	3.50E-01	1.45E+01
4095	493863.09	3854877.25	5.09521	1.2969	40.966	3.87524	8.33E-01	1.01E+00	7.94E+00	2.85E-01	1.01E+01	8.21E-01	4.36E-05	8.71E-02	8.34E-03	9.16E-01	9.97E-01	1.01E+00	7.94E+00	2.85E-01	1.02E+01
4096	494363.09	3854877.25	3.10509	0.88331	31.05	2.72776	5.08E-01	6.85E-01	6.02E+00	2.01E-01	7.41E+00	5.00E-01	2.97E-05	6.60E-02	5.87E-03	5.72E-01	6.08E-01	6.85E-01	6.02E+00	2.01E-01	7.51E+00
4097	494863.09	3854877.25	2.44183	0.86257	18.302	1.97746	3.99E-01	6.69E-01	3.55E+00	1.46E-01	4.76E+00	3.93E-01	2.90E-05	3.89E-02	4.26E-03	4.37E-01	4.78E-01	6.69E-01	3.55E+00	1.46E-01	4.84E+00
4098	495363.09	3854877.25	2.31658	0.79333	13.893	1.8211	3.79E-01	6.15E-01	2.69E+00	1.34E-01	3.82E+00	3.73E-01	2.66E-05	2.95E-02	3.92E-03	4.07E-01	4.53E-01	6.15E-01	2.69E+00	1.34E-01	3.90E+00
4099	495863.09	3854877.25	2.11285	0.77201	11.244	1.79253	3.46E-01	5.99E-01	2.18E+00	1.32E-01	3.26E+00	3.40E-01	2.59E-05	2.39E-02	3.86E-03	3.68E-01	4.13E-01	5.99E-01	2.18E+00	1.32E-01	3.32E+00
4100	496363.09	3854877.25	1.7362	0.78104	11.106	1.71271	2.84E-01	6.06E-01	2.15E+00	1.26E-01	3.17E+00	2.80E-01	2.62E-05	2.36E-02	3.69E-03	3.07E-01	3.40E-01	6.06E-01	2.15E+00	1.26E-01	3.23E+00
4101	496863.09	3854877.25	1.71629	0.81	10.892	1.70693	2.81E-01	6.28E-01	2.11E+00	1.26E-01	3.15E+00	2.77E-01	2.72E-05	2.32E-02	3.67E-03	3.03E-01	3.36E-01	6.28E-01	2.11E+00	1.26E-01	3.20E+00
4102	497363.09	3854877.25	1.71321	0.82735	10.464	1.59134	2.80E-01	6.42E-01	2.03E+00	1.17E-01	3.07E+00	2.76E-01	2.78E-05	2.22E-02	3.43E-03	3.02E-01	3.35E-01	6.42E-01	2.03E+00	1.17E-01	3.12E+00
4103	497863.09	3854877.25	1.72683	0.81509	10.583	1.72196	2.82E-01	6.32E-01	2.05E+00	1.27E-01	3.09E+00	2.78E-01	2.74E-05	2.25E-02	3.71E-03	3.04E-01	3.38E-01	6.32E-01	2.05E+00	1.27E-01	3.15E+00
4104	498363.09	3854877.25	1.73923	0.78909	10.011	1.69183	2.84E-01	6.12E-01	1.94E+00	1.25E-01	2.96E+00	2.80E-01	2.65E-05	2.13E-02	3.64E-03	3.05E-01	3.40E-01	6.12E-01	1.94E+00	1.25E-01	3.02E+00
4105	471363.09	3855377.25	3.32455	1.59742	9.0384	2.32893	5.44E-01	1.24E+00	1.75E+00	1.71E-01	3.71E+00	5.36E-01	5.37E-05	1.92E-02	5.01E-03	5.60E-01	6.51E-01	1.24E+00	1.75E+00	1.71E-01	3.81E+00
4106	471863.09	3855377.25	3.38056	1.65147	9.1714	2.38859	5.53E-01	1.28E+00	1.78E+00	1.76E-01	3.79E+00	5.45E-01	5.55E-05	1.95E-02	5.14E-03	5.69E-01	6.62E-01	1.28E+00	1.78E+00	1.76E-01	3.90E+00
4107	472363.09	3855377.25	3.59534	1.72827	9.7892	2.4658	5.88E-01	1.34E+00	1.90E+00	1.82E-01	4.01E+00	5.79E-01	5.81E-05	2.08E-02	5.31E-03	6.06E-01	7.04E-01	1.34E+00	1.90E+00	1.82E-01	4.12E+00
4108	472863.09	3855377.25	3.6367	1.76274	9.7453	2.49312	5.95E-01	1.37E+00	1.89E+00	1.84E-01	4.04E+00	5.86E-01	5.92E-05	2.07E-02	5.37E-03	6.12E-01	7.12E-01	1.37E+00	1.89E+00	1.84E-01	4.15E+00
4109	473363.09	3855377.25	4.01305	2.02663	10.29	2.68098	6.56E-01	1.57E+00	2.00E+00	1.97E-01	4.42E+00	6.47E-01	6.81E-05	2.19E-02	5.77E-03	6.74E-01	7.85E-01	1.57E+00	2.00E+00	1.97E-01	4.55E+00
4110	473863.09	3855377.25	4.29831	2.03697	10.396	2.90787	7.03E-01	1.58E+00	2.02E+00	2.14E-01	4.51E+00	6.93E-01	6.84E-05	2.21E-02	6.26E-03	7.21E-01	8.41E-01	1.58E+00	2.02E+00	2.14E-01	4.65E+00
4111	474363.09	3855377.25	4.52185	2.02743	13.649	4.19351	7.40E-01	1.57E+00	2.65E+00	3.09E-01	5.27E+00	7.29E-01	6.81E-05	2.90E-02	9.03E-03	7.67E-01	8.85E-01	1.57E+00	2.65E+00	3.09E-01	5.41E+00
4112	474863.09	3855377.25	3.48291	1.6581	10.618	2.98073	5.70E-01	1.29E+00	2.06E+00	2.19E-01	4.13E+00	5.61E-01	5.57E-05	2.26E-02	6.42E-03	5.90E-01	6.82E-01	1.29E+00	2.06E+00	2.19E-01	4.25E+00
4113	475363.09	3855377.25	1.56533	1.50786	9.5403	2.69992	2.56E-01	1.17E+00	1.85E+00	1.99E-01	3.47E+00	2.52E-01	5.07E-05	2.03E-02	5.81E-03	2.78E-01	3.06E-01	1.17E+00	1.85E+00	1.99E-01	3.52E+00
4114	475863.09	3855377.25	1.2873	1.48437	9.2796	2.76308	2.11E-01	1.15E+00	1.80E+00	2.03E-01	3.36E+00	2.07E-01	4.99E-05	1.97E-02	5.95E-03	2.33E-01	2.52E-01	1.15E+00	1.80E+00	2.03E-01	3.41E+00
4115	476363.09	3855377.25	1.32555	1.50847	9.8054	2.78702	2.17E-01	1.17E+00	1.90E+00	2.05E-01	3.49E+00	2.14E-01	5.07E-05	2.08E-02	6.00E-03	2.40E-01	2.59E-01	1.17E+00	1.90E+00	2.05E-01	3.54E+00
4116	476863.09	3855377.25	1.39997	1.58214	10.527	2.84214	2.29E-01	1.23E+00	2.04E+00	2.09E-01	3.71E+00	2.26E-01	5.31E-05	2.24E-02	6.12E-03	2.54E-01	2.74E-01	1.23E+00	2.04E+00	2.09E-01	3.75E+00
4117	477363.09	3855377.25	1.51319	1.68606	11.172	2.88759	2.47E-01	1.31E+00	2.17E+00	2.13E-01	3.93E+00	2.44E-01	5.66E-05	2.38E-02	6.22E-03	2.74E-01	2.96E-01	1.31E+00	2.17E+00	2.13E-01	3.98E+00
4118	477863.09	3855377.25	1.87206	1.77142	11.894	3.04121	3.06E-01	1.37E+00	2.31E+00	2.24E-01	4.21E+00	3.02E-01	5.95E-05	2.53E-02	6.55E-03	3.34E-01	3.66E-01	1.37E+00	2.31E+00	2.24E-01	4.27E+00
4119	478363.09	3855377.25	2.04432	1.7954	11.85	3.12376	3.34E-01	1.39E+00	2.30E+00	2.30E-01	4.25E+00	3.29E-01	6.03E-05	2.52E-02	6.72E-03	3.61E-01	4.00E-01	1.39E+00	2.30E+00	2.30E-01	4.32E+00
4120	478863.09	3855377.25	2.30863	1.71411	11.903	3.23399	3.78E-01	1.33E+00	2.31E+00	2.38E-01	4.25E+00	3.72E-01	5.76E-05	2.53E-02	6.96E-03	4.04E-01	4.52E-01	1.33E+00	2.31E+00	2.38E-01	4.33E+00
4121	479363.09	3855377.25	3.77914	1.57799	11.886	3.3465	6.18E-01	1.22E+00	2.30E+00	2.46E-01	4.39E+00	6.09E-01	5.30E-05	2.53E-02	7.20E-03	6.41E-01	7.40E-01	1.22E+00	2.30E+00	2.46E-01	4.51E+00
4122	479863.09	3855377.25	5.00758	1.51134	12.301	3.77603	8.19E-01	1.17E+00	2.39E+00	2.78E-01	4.65E+00	8.07E-01	5.08E-05	2.62E-02	8.13E-03	8.41E-01	9.80E-01	1.17E+00	2.39E+00	2.78E-01	4.82E+00
4123	480363.09	3855377.25	8.33882	2.08657	13.579	5.79452	1.36E+00	1.62E+00	2.63E+00	4.27E-01	6.04E+00	1.34E+00	7.01E-05	2.89E-02	1.25E-02	1.39E+00	1.63E+00	1.62E+00	2.63E+00	4.27E-01	6.31E+00
4124	480863.09	3855377.25	11.4888	3.68958	15.367	5.00038	1.88E+00	2.86E+00	2.98E+00	3.68E-01	8.09E+00	1.85E+00	1.24E-04	3.27E-02	1.08E-02	1.89E+00	2.25E+00	2.86E+00	2.98E+00	3.68E-01	8.46E+00
4125	481363.09	3855377.25	13.6543	8.49232	13.886	6.164	2.23E+00	6.59E+00	2.69E+00	4.54E-01	1.20E+01	2.20E+00	2.85E-04	2.95E-02	1.33E-02	2.24E+00	2.67E+00	6.59E+00	2.69E+00	4.54E-01	1.24E+01
4126	481863.09	3855377.25	15.0468	15.9492	12.321	6.55856	2.46E+00	1.24E+01	2.39E+00	4.83E-01	1.77E+01	2.42E+00	5.36E-04	2.62E-02	1.41E-02	2.47E+00	2.94E+00	1.24E+01	2.39E+00	4.83E-01	1.82E+01
4127	482363.09	3855377.25	15.9008	24.3637	11.496	5.84253	2.60E+00	1.89E+01	2.23E+00	4.30E-01	2.42E+01	2.56E+00	8.18E-04	2.44E-02	1.26E-02	2.60E+00	3.11E+00	1.89E+01	2.23E+00	4.30E-01	2.47E+01
4128	482863.09	3855377.25	18.1402	27.983	8.2386	13.5965	2.97E+00	2.17E+01	1.60E+00	1.00E+00	2.73E+01	2.92E+00	9.40E-04	1.75E-02	2.93E-02	2.97E+00	3.55E+00	2.17E+01	1.60E+00	1.00E+00	2.79E+01
4129	483363.09	3855377.25	20.5115	18.6575	6.669	10.95569	3.35E+00	1.45E+01	1.29E+00	8.07E-01	1.99E+01	3.31E+00	6.27E-04	1.42E-02	2.36E-02	3.34E+00	4.01E+00	1.45E+01	1.29E+00	8.07E-01	2.06E+01
4130	483863.09	3855377.25	22.9163	13.699	7.7593	8.84401	3.75E+00	1.06E+01	1.50E+00	6.51E-01	1.65E+01	3.69E+00	4.60E-04	1.65E-02	1.90E-02	3.73E+00	4.48E+00	1.06E+01	1.50E+00	6.51E-01	1.73E+01
4131	484363.09	3855377.25	39.5853	6.52939	9.4088	8.24101	6.47E+00	5.06E+00	1.82E+00	6.07E-01	1.40E+01	6.38E+00	2.19E-04	2.00E-02	1.77E-02	6.42E+00	7.75E+00	5.07E+00	1.82E+00	6.07E-01	1.52E+01
4132	484863.09	3855377.25	85.9212	3.32725	11.194	10.86833	1.41E+01	2.58E+00	2.17E+00	8.00E-01	1.96E+01	1.38E+01	1.12E-04	2.38E-02	2.34E-02	1.39E+01	1.68E+01	2.58E+00	2.17E+00	8.00E-01	2.24E+01
4133	485363.09	3855377.25	36.2673	2.72585	11.159	17.42491	5.93E+00	2.11E+00	2.16E+00	1.28E+00	1.15E+01	5.84E+00	9.16E-05	2.37E-02	3.75E-02	5.91E+00	7.10E+00	2.11E+00	2.16E+00	1.28E+00	1.27E+01
4134	485863.09	3855377.25	23.4256	2.6877	17.756	17.24459	3.83E+00	2.08E+00	3.44E+00	1.27E+00	1.06E+01	3.77E+00	9.03E-05	3.78E-02	3.71E-02	3.85E+00	4.58E+00	2.08E+00	3.44E+00	1.27E+00	1.14E+01
4135	486363.09	3855377.25	12.7908	2.00611	24.442	11.50179	2.09E+00	1.56E+00	4.74E+00	8.47E-01	9.23E+00	2.06E+00	6.74E-05	5.20E-02	2.48E-02	2.14E+00	2.50E+00	1.56E+00	4.74E+00	8.47E-01	9.65E+00
4136	486863.09	3855377.25	8.83428	1.70902	23.757	10.41164	1.44E+00	1.33E+00	4.61E+00	7.67E-01	8.14E+00	1.42E+00	5.74E-05	5.05E-02	2.24E-02	1.50E+00	1.73E+00	1.33E+00	4.61E+00	7.67E-01	8.43E+00
4137	487363.09	3855377.25	10.1344	1.48918	47.139	10.46878	1.66E+00	1.16E+00	9.14E+00	7.71E-01	1.27E+01	1.63E+00	5.00E-05	1.00E-01	2.25E-02	1.76E+00	1.98E+00	1.16E+00	9.14E+00	7.71E-01	1.30E+01
4138	487863.09	3855377.25	10.7626	1.52987	21.615	8.57047	1.76E+00	1.19E+00	4.19E+00	6.31E-01	7.77E+00	1.73E+00	5.14E-05	4.60E-02	1.85E-02	1.80E+00	2.11E+00	1.19E+00	4.19E+00	6.31E-01	8.12E+00
4139	488363.09	3855377.25	10.8337	1.91103	20.019	6.73296	1.77E+00	1.48E+00	3.88E+00	4.96E-01	7.63E+00	1.75E+00	6.42E-05	4.26E-02	1.45E-02	1.80E+00	2.12E+00	1.48E+00	3.88E+00	4.96E-01	7.98E+00
4140	488863.09	3855377.25	10.5308	2.06684	30.295	6.01499	1.72E+00	1.60E+00	5.87E+00	4.43E-01	9.64E+00	1.70E+00	6.94E-05	6.44E-02	1.29E-02	1.77E+00	2.06E+00	1.60E+00	5.87E+00	4.43E-01	9.98E+00
4141	489363.09	3855377.25	10.0347	2.0932	46.023	5.70723	1.64E+00	1.62E+00	8.92E+00	4.20E-01	1.26E+01	1.62E+00	7.03E-05	9.79E-02	1.23E-02	1.73E+00	1.96E+00	1.62E+00	8.92E+00	4.20E-01	1.29E+01
4142	489863.09	3855377.25	9.30594	1.86494	23.459	5.86425	1.52E+00	1.45E+00	4.55E+00	4.32E-01	7.95E+00	1.50E+00	6.26E-05	4.99E-02	1.26E-02	1.56E+00	1.82E+00	1.45E+00	4.55E+00	4.32E-01	8.25E+00
4143	490363.09	3855377.25	9.14539	1.83413	38.378	10.37365	1.50E+00	1.42E+00	7.44E+00	7.64E-01	1.11E+01	1.47E+00	6.16E-05	8.16E-02	2.23E-02	1.58E+00	1.79E+00	1.42E+00	7.44E+00	7.64E-01	1.14E+01
4144	490863.09	3855377.25	4.81302	1.33819	50.916	3.71274	7.87E-01	1.04E+00	9.87E+00	2.73E-01	1.20E+01	7.76E-01	4.50E-05	1.08E-01	7.99E-03	8.92E-01	9.42E-01	1.04E+00	9.87E+00	2.73E-01	1.21E+01

4145	491363.09	3855377.25	3.61869	1.46572	21.255	3.28584	5.92E-01	1.14E+00	4.12E+00	2.42E-01	6.09E+00	5.83E-01	4.92E-05	4.52E-02	7.07E-03	6.35E-01	7.08E-01	1.14E+00	4.12E+00	2.42E-01	6.21E+00
4146	491863.09	3855377.25	7.61428	1.48603	38.861	5.2291	1.25E+00	1.15E+00	7.54E+00	3.85E-01	1.03E+01	1.23E+00	4.99E-05	8.26E-02	1.13E-02	1.32E+00	1.49E+00	1.15E+00	7.54E+00	3.85E-01	1.06E+01
4147	492363.09	3855377.25	7.5497	1.29775	67.089	5.95239	1.23E+00	1.01E+00	1.30E+01	4.38E-01	1.57E+01	1.22E+00	4.36E-05	1.43E-01	1.28E-02	1.37E+00	1.48E+00	1.01E+00	1.30E+01	4.38E-01	1.59E+01
4148	492863.09	3855377.25	7.10723	1.23184	52.885	6.22626	1.16E+00	9.56E-01	1.03E+01	4.58E-01	1.28E+01	1.15E+00	4.14E-05	1.12E-01	1.34E-02	1.27E+00	1.39E+00	9.56E-01	1.03E+01	4.58E-01	1.31E+01
4149	493363.09	3855377.25	6.10659	1.23873	61.488	4.64091	9.99E-01	9.61E-01	1.19E+01	3.42E-01	1.42E+01	9.84E-01	4.16E-05	1.31E-01	9.99E-03	1.12E+00	1.19E+00	9.61E-01	1.19E+01	3.42E-01	1.44E+01
4150	493863.09	3855377.25	3.19505	1.02988	49.346	3.32602	5.23E-01	7.99E-01	9.57E+00	2.45E-01	1.11E+01	5.15E-01	3.46E-05	1.05E-01	7.16E-03	6.27E-01	6.25E-01	7.99E-01	9.57E+00	2.45E-01	1.12E+01
4151	494363.09	3855377.25	2.94719	0.99896	17.822	2.30453	4.82E-01	7.75E-01	3.46E+00	1.70E-01	4.88E+00	4.75E-01	3.36E-05	3.79E-02	4.96E-03	5.18E-01	5.77E-01	7.75E-01	3.46E+00	1.70E-01	4.98E+00
4152	494863.09	3855377.25	2.79806	0.8439	13.363	1.96866	4.58E-01	6.55E-01	2.59E+00	1.45E-01	3.85E+00	4.51E-01	2.83E-05	2.84E-02	4.24E-03	4.84E-01	5.48E-01	6.55E-01	2.59E+00	1.45E-01	3.94E+00
4153	495363.09	3855377.25	2.05752	0.85857	12.274	1.89278	3.37E-01	6.66E-01	2.38E+00	1.39E-01	3.52E+00	3.32E-01	2.88E-05	2.61E-02	4.07E-03	3.62E-01	4.03E-01	6.66E-01	2.38E+00	1.39E-01	3.59E+00
4154	495863.09	3855377.25	1.98072	0.89842	12.226	1.87221	3.24E-01	6.97E-01	2.37E+00	1.38E-01	3.53E+00	3.19E-01	3.02E-05	2.60E-02	4.03E-03	3.49E-01	3.88E-01	6.97E-01	2.37E+00	1.38E-01	3.59E+00
4155	496363.09	3855377.25	1.97961	0.9246	11.582	1.8139	3.24E-01	7.17E-01	2.25E+00	1.34E-01	3.42E+00	3.19E-01	3.11E-05	2.46E-02	3.90E-03	3.48E-01	3.87E-01	7.17E-01	2.25E+00	1.34E-01	3.48E+00
4156	496863.09	3855377.25	1.97799	0.91439	10.934	1.68514	3.24E-01	7.09E-01	2.12E+00	1.24E-01	3.28E+00	3.19E-01	3.07E-05	2.32E-02	3.63E-03	3.46E-01	3.87E-01	7.09E-01	2.12E+00	1.24E-01	3.34E+00
4157	497363.09	3855377.25	1.9756	0.88849	10.495	1.83519	3.23E-01	6.89E-01	2.04E+00	1.35E-01	3.18E+00	3.18E-01	2.98E-05	2.23E-02	3.95E-03	3.45E-01	3.87E-01	6.89E-01	2.04E+00	1.35E-01	3.25E+00
4158	497863.09	3855377.25	1.97209	0.87575	10.814	1.82589	3.23E-01	6.79E-01	2.10E+00	1.34E-01	3.23E+00	3.18E-01	2.94E-05	2.30E-02	3.93E-03	3.45E-01	3.86E-01	6.79E-01	2.10E+00	1.34E-01	3.30E+00
4159	498363.09	3855377.25	1.99427	0.86169	11.22	1.82839	3.26E-01	6.68E-01	2.18E+00	1.35E-01	3.30E+00	3.21E-01	2.89E-05	2.39E-02	3.94E-03	3.49E-01	3.90E-01	6.68E-01	2.18E+00	1.35E-01	3.37E+00
4160	471363.09	3855877.25	3.14247	1.50037	9.1367	2.57369	5.14E-01	1.16E+00	1.77E+00	1.89E-01	3.64E+00	5.06E-01	5.04E-05	1.94E-02	5.54E-03	5.31E-01	6.15E-01	1.16E+00	1.77E+00	1.89E-01	3.74E+00
4161	471863.09	3855877.25	3.19771	1.54626	9.6853	2.65035	5.23E-01	1.20E+00	1.88E+00	1.95E-01	3.80E+00	5.15E-01	5.19E-05	2.06E-02	5.71E-03	5.42E-01	6.26E-01	1.20E+00	1.88E+00	1.95E-01	3.90E+00
4162	472363.09	3855877.25	3.49468	1.66319	11.246	2.96745	5.72E-01	1.29E+00	2.18E+00	2.18E-01	4.26E+00	5.63E-01	5.59E-05	2.39E-02	6.39E-03	5.93E-01	6.84E-01	1.29E+00	2.18E+00	2.18E-01	4.37E+00
4163	472863.09	3855877.25	3.47832	1.63557	11.404	2.95414	5.69E-01	1.27E+00	2.21E+00	2.17E-01	4.27E+00	5.60E-01	5.49E-05	2.42E-02	6.36E-03	5.91E-01	6.81E-01	1.27E+00	2.21E+00	2.17E-01	4.38E+00
4164	473363.09	3855877.25	3.87385	1.82497	13.047	3.38674	6.34E-01	1.42E+00	2.53E+00	2.49E-01	4.83E+00	6.24E-01	6.13E-05	2.77E-02	7.29E-03	6.59E-01	7.58E-01	1.42E+00	2.53E+00	2.49E-01	4.95E+00
4165	473863.09	3855877.25	4.11813	1.94452	13.813	3.62019	6.74E-01	1.51E+00	2.68E+00	2.67E-01	5.13E+00	6.64E-01	6.53E-05	2.94E-02	7.79E-03	7.01E-01	8.06E-01	1.51E+00	2.68E+00	2.67E-01	5.26E+00
4166	474363.09	3855877.25	4.23736	2.02883	21.133	4.67125	6.93E-01	1.57E+00	4.10E+00	3.44E-01	6.71E+00	6.83E-01	6.82E-05	4.49E-02	1.01E-02	7.38E-01	8.29E-01	1.57E+00	4.10E+00	3.44E-01	6.84E+00
4167	474863.09	3855877.25	3.02784	1.71578	13.273	3.04522	4.95E-01	1.33E+00	2.57E+00	2.24E-01	4.62E+00	4.88E-01	5.76E-05	2.82E-02	6.56E-03	5.23E-01	5.92E-01	1.33E+00	2.57E+00	2.24E-01	4.72E+00
4168	475363.09	3855877.25	1.74358	1.69787	7.3848	2.58659	2.85E-01	1.32E+00	1.43E+00	1.90E-01	3.22E+00	2.81E-01	5.70E-05	1.57E-02	5.57E-03	3.02E-01	3.41E-01	1.32E+00	1.43E+00	1.90E-01	3.28E+00
4169	475863.09	3855877.25	1.09978	1.56543	7.2608	2.38564	1.80E-01	1.21E+00	1.41E+00	1.76E-01	2.98E+00	1.77E-01	5.26E-05	1.54E-02	5.14E-03	1.98E-01	2.15E-01	1.21E+00	1.41E+00	1.76E-01	3.01E+00
4170	476363.09	3855877.25	1.12591	1.50198	8.0272	2.4208	1.84E-01	1.17E+00	1.56E+00	1.78E-01	3.08E+00	1.81E-01	5.05E-05	1.71E-02	5.21E-03	2.04E-01	2.20E-01	1.17E+00	1.56E+00	1.78E-01	3.12E+00
4171	476863.09	3855877.25	1.40007	1.5222	8.8907	2.74262	2.29E-01	1.18E+00	1.72E+00	2.02E-01	3.34E+00	2.26E-01	5.11E-05	1.89E-02	5.90E-03	2.50E-01	2.74E-01	1.18E+00	1.72E+00	2.02E-01	3.38E+00
4172	477363.09	3855877.25	1.69706	1.45695	10.654	2.75654	2.78E-01	1.13E+00	2.07E+00	2.03E-01	3.68E+00	2.73E-01	4.89E-05	2.27E-02	5.93E-03	3.02E-01	3.32E-01	1.13E+00	2.07E+00	2.03E-01	3.73E+00
4173	477863.09	3855877.25	1.80098	1.44162	11.441	2.76639	2.95E-01	1.12E+00	2.22E+00	2.04E-01	3.83E+00	2.90E-01	4.84E-05	2.43E-02	5.96E-03	3.21E-01	3.52E-01	1.12E+00	2.22E+00	2.04E-01	3.89E+00
4174	478363.09	3855877.25	1.97393	1.50095	12.131	2.93105	3.23E-01	1.16E+00	2.35E+00	2.16E-01	4.06E+00	3.18E-01	5.04E-05	2.58E-02	6.31E-03	3.50E-01	3.86E-01	1.16E+00	2.35E+00	2.16E-01	4.12E+00
4175	478863.09	3855877.25	2.22593	1.64511	12.767	2.97834	3.64E-01	1.28E+00	2.48E+00	2.19E-01	4.33E+00	3.59E-01	5.53E-05	2.71E-02	6.41E-03	3.92E-01	4.36E-01	1.28E+00	2.48E+00	2.19E-01	4.41E+00
4176	479363.09	3855877.25	3.17312	1.82821	17.37	3.05693	5.19E-01	1.42E+00	3.37E+00	2.25E-01	5.53E+00	5.11E-01	6.14E-05	3.69E-02	6.58E-03	5.55E-01	6.21E-01	1.42E+00	3.37E+00	2.25E-01	5.63E+00
4177	479863.09	3855877.25	4.77904	2.19447	22.041	4.53588	7.82E-01	1.70E+00	4.27E+00	3.34E-01	7.09E+00	7.70E-01	7.37E-05	4.69E-02	9.76E-03	8.27E-01	9.35E-01	1.70E+00	4.27E+00	3.34E-01	7.25E+00
4178	480363.09	3855877.25	7.23209	2.69177	22.999	6.33407	1.18E+00	2.09E+00	4.46E+00	4.66E-01	8.20E+00	1.17E+00	9.04E-05	4.89E-02	1.36E-02	1.23E+00	1.42E+00	2.09E+00	4.46E+00	4.66E-01	8.43E+00
4179	480863.09	3855877.25	9.91794	3.37129	18.214	7.2775	1.62E+00	2.62E+00	3.53E+00	5.36E-01	8.30E+00	1.60E+00	1.13E-04	3.87E-02	1.57E-02	1.65E+00	1.94E+00	2.62E+00	3.53E+00	5.36E-01	8.62E+00
4180	481363.09	3855877.25	10.4539	3.38537	15.325	7.81092	1.71E+00	2.63E+00	2.97E+00	5.75E-01	7.88E+00	1.68E+00	1.14E-04	3.26E-02	1.68E-02	1.73E+00	2.05E+00	2.63E+00	2.97E+00	5.75E-01	8.22E+00
4181	481863.09	3855877.25	13.0633	9.68046	14.823	4.17728	2.14E+00	7.51E+00	2.87E+00	3.08E-01	1.28E+01	2.10E+00	3.25E-04	3.15E-02	8.99E-03	2.15E+00	2.56E+00	7.51E+00	2.87E+00	3.08E-01	1.32E+01
4182	482363.09	3855877.25	13.3101	19.6275	14.934	4.79737	2.18E+00	1.52E+01	2.90E+00	3.53E-01	2.07E+01	2.14E+00	6.59E-04	3.18E-02	1.03E-02	2.19E+00	2.60E+00	1.52E+01	2.90E+00	3.53E-01	2.11E+01
4183	482863.09	3855877.25	14.8704	27.93	13.602	6.49537	2.43E+00	2.17E+01	2.64E+00	4.78E-01	2.72E+01	2.40E+00	9.38E-04	2.89E-02	1.40E-02	2.44E+00	2.91E+00	2.17E+01	2.64E+00	4.78E-01	2.77E+01
4184	483363.09	3855877.25	16.9188	29.5867	12.538	8.62973	2.77E+00	2.30E+01	2.43E+00	6.35E-01	2.88E+01	2.73E+00	9.94E-04	2.67E-02	1.86E-02	2.77E+00	3.31E+00	2.30E+01	2.43E+00	6.35E-01	2.93E+01
4185	483863.09	3855877.25	19.1678	22.6546	8.6406	10.37512	3.14E+00	1.76E+01	1.68E+00	7.64E-01	2.31E+01	3.09E+00	7.61E-04	1.84E-02	2.23E-02	3.13E+00	3.75E+00	1.76E+01	1.68E+00	7.64E-01	2.38E+01
4186	484363.09	3855877.25	21.3504	14.9958	8.2291	19.76382	3.49E+00	1.16E+01	1.60E+00	1.46E+00	1.82E+01	3.44E+00	5.04E-04	1.75E-02	4.25E-02	3.50E+00	4.18E+00	1.16E+01	1.60E+00	1.46E+00	1.89E+01
4187	484863.09	3855877.25	31.2206	8.33319	9.9897	18.23467	5.11E+00	6.46E+00	1.94E+00	1.34E+00	1.49E+01	5.03E+00	2.80E-04	2.12E-02	3.93E-02	5.09E+00	6.11E+00	6.46E+00	1.94E+00	1.34E+00	1.59E+01
4188	485363.09	3855877.25	86.8371	4.60769	12.148	16.32155	1.42E+01	3.57E+00	2.36E+00	1.20E+00	2.13E+01	1.40E+01	1.55E-04	2.58E-02	3.51E-02	1.41E+01	1.70E+01	3.57E+00	2.36E+00	1.20E+00	2.41E+01
4189	485863.09	3855877.25	41.1743	2.72339	13.025	12.83474	6.73E+00	2.11E+00	2.53E+00	9.45E-01	1.23E+01	6.63E+00	9.15E-05	2.77E-02	2.76E-02	6.69E+00	8.06E+00	2.11E+00	2.53E+00	9.45E-01	1.36E+01
4190	486363.09	3855877.25	27.3069	2.86976	18.783	13.90392	4.47E+00	2.23E+00	3.64E+00	1.02E+00	1.14E+01	4.40E+00	9.64E-05	3.99E-02	2.99E-02	4.47E+00	5.34E+00	2.23E+00	3.64E+00	1.02E+00	1.22E+01
4191	486863.09	3855877.25	19.8511	2.64568	33.609	12.05045	3.25E+00	2.05E+00	6.52E+00	8.87E-01	1.27E+01	3.20E+00	8.89E-05	7.15E-02	2.59E-02	3.30E+00	3.88E+00	2.05E+00	6.52E+00	8.87E-01	1.33E+01
4192	487363.09	3855877.25	18.012	2.60669	33.821	9.93943	2.95E+00	2.02E+00	6.56E+00	7.32E-01	1.23E+01	2.90E+00	8.76E-05	7.19E-02	2.14E-02	3.00E+00	3.52E+00	2.02E+00	6.56E+00	7.32E-01	1.28E+01
4193	487863.09	3855877.25	16.5078	2.86003	25.584	7.98319	2.70E+00	2.22E+00	4.96E+00	5.88E-01	1.05E+01	2.66E+00	9.61E-05	5.44E-02	1.72E-02	2.73E+00	3.23E+00	2.22E+00	4.96E+00	5.88E-01	1.10E+01
4194	488363.09	3855877.25	14.7918	2.56974	22.213	6.71834	2.42E+00	1.99E+00	4.31E+00	4.95E-01	9.21E+00	2.38E+00	8.63E-05	4.72E-02	1.45E-02	2.45E+00	2.89E+00	1.99E+00	4.31E+00	4.95E-01	9.69E+00
4195	488863.09	3855877.25	13.4382	2.65029	32.552	5.73153	2.20E+00	2.06E+00	6.31E+00	4.22E-01	1.10E+01	2.17E+00	8.90E-05	6.92E-02	1.23E-02	2.25E+00	2.63E+00	2.06E+00	6.31E+00	4.22E-01	1.14E+01
4196	489363.09	3855877.25	12.1514	2.73632	36.738	5.19775	1.99E+00	2.12E+00	7.12E+00	3.83E-01	1.16E+01	1.96E+00	9.19E-05	7.81E-02	1.12E-02	2.05E+00	2.38E+00	2.12E+00	7.12E+00	3.83E-01	1.20E+01
4197	489863.09	3855877.25	11.0726	2.46599	27.81	5.49416	1.81E+00	1.91E+00	5.39E+00	4.05E-01	9.52E+00	1.78E+00	8.28E-05	5.91E-02	1.18E-02	1.86E+00	2.17E+00	1.91E+00	5.39E+00	4.05E-01	9.88E+00
4198	490363.09	3855877.25	10.3708	2.53671	36.312	6.95252	1.70E+00	1.97E+00	7.04E+00	5.12E-01	1.12E+01	1.67E+00	8.52E-05	7.72E-02	1.50E-02	1.76E+00	2.03E+00	1.97E+00	7.04E+00	5.12E-01	1.16E+01
4199	490863.09	3855877.25	9.60607	2.68915	23.603	5.25712	1.57E+00	2.09E+00	4.58E+00	3.87E-01	8.62E+00	1.55E+00	9.03E-05	5.02E-02	1.13E-02	1.61E+00	1.88E+00	2.09E+00	4.58E+00	3.87E-01	8.93E+00
4200	491363.09	3855877.25	8.18642	1.60991	73.705	4.86953	1.34E+00	1.25E+00	1.43E+01	3.59E-01	1.72E+01	1.32E+00	5.41E-05	1.57E-01	1.05E-02	1.49E+00	1.60E+00	1.25E+00	1.43E+01	3.59E-01	1.75E+01
4201	491863.09	3855877.25	8.70216	2.25658	48.268	5.89071	1.42E+00	1.75E+00	9.36E+00	4.34E-01	1.30E+01	1.40E+00	7.58E-05	1.03E-01	1.27E-02	1.52E+00	1.70E+00	1.75E+00	9.36E+00	4.34E-01	1.32E+01
4202	492363.09	3855877.25	8.07029	1.49071	60.08	6.61965	1.32E+00	1.16E+00	1.17E+01	4.87E-01	1.46E+01	1.30E+00	5.01E-05	1.28E-01	1.43E-02	1.44E+00	1.58E+00	1.16E+00	1.17E+01	4.87E-01	1.49E+01
4203	492863.09	3855877.25	7.49943	1.47898	76.504	5.41808	1.23E+00	1.15E+00	1.48E+01	3.99E-01	1.76E+01	1.21E+00	4.97E-05	1.63E-01	1.17E-02	1.38E+00	1.47E+00	1.15E+00	1.48E+01	3.99E-01	1.78E+01
4204	493363.09	3855877.25	5.09912	1.27837	48.491	3.30006	8.34E-01	9.92E-01	9.40E+00	2.43E-01	1.15E+01	8.22E-01	4.29E-05	1.03E-01	7.10E-03	9.32E-01	9.98E-01	9.92E-01	9.40E+00	2.43E-01	1.16E+01
4205	493863.09	3855877.25	3.02242	1.196	17.133	2.37132	4.94E-01	9.28E-01	3.32E+00	1.75E-01	4.92E+00	4.87E-01	4.02E-05	3.64E-02	5.10E-03	5.29E-01	5.91E-01	9.28E-01	3.32E+00	1.75E-01	5.02E+00

4206	494363.09	3855877.25	2.78103	1.04079	13.665	2.06692	4.55E-01	8.07E-01	2.65E+00	1.52E-01	4.06E+00	4.48E-01	3.50E-05	2.91E-02	4.45E-03	4.82E-01	5.44E-01	8.07E-01	2.65E+00	1.52E-01	4.15E+00
4207	494863.09	3855877.25	2.07814	1.04868	13.41	1.93593	3.40E-01	8.13E-01	2.60E+00	1.43E-01	3.90E+00	3.35E-01	3.52E-05	2.85E-02	4.17E-03	3.68E-01	4.07E-01	8.14E-01	2.60E+00	1.43E-01	3.96E+00
4208	495363.09	3855877.25	1.99622	1.0751	10.543	1.45779	3.27E-01	8.34E-01	2.04E+00	1.07E-01	3.31E+00	3.22E-01	3.61E-05	2.24E-02	3.14E-03	3.47E-01	3.91E-01	8.34E-01	2.04E+00	1.07E-01	3.38E+00
4209	495863.09	3855877.25	1.98399	1.05623	10.743	1.48133	3.25E-01	8.19E-01	2.08E+00	1.09E-01	3.34E+00	3.20E-01	3.55E-05	2.28E-02	3.19E-03	3.46E-01	3.88E-01	8.19E-01	2.08E+00	1.09E-01	3.40E+00
4210	496363.09	3855877.25	1.96817	1.01972	10.584	1.48182	3.22E-01	7.91E-01	2.05E+00	1.09E-01	3.27E+00	3.17E-01	3.43E-05	2.25E-02	3.19E-03	3.43E-01	3.85E-01	7.91E-01	2.05E+00	1.09E-01	3.34E+00
4211	496863.09	3855877.25	1.94848	0.99566	11.667	1.66354	3.19E-01	7.72E-01	2.26E+00	1.22E-01	3.48E+00	3.14E-01	3.34E-05	2.48E-02	3.58E-03	3.42E-01	3.81E-01	7.72E-01	2.26E+00	1.22E-01	3.54E+00
4212	497363.09	3855877.25	1.92501	0.97474	11.1	1.94095	3.15E-01	7.56E-01	2.15E+00	1.43E-01	3.37E+00	3.10E-01	3.27E-05	2.36E-02	4.18E-03	3.38E-01	3.77E-01	7.56E-01	2.15E+00	1.43E-01	3.43E+00
4213	497863.09	3855877.25	1.89792	0.96403	11.04	1.96167	3.10E-01	7.48E-01	2.14E+00	1.44E-01	3.34E+00	3.06E-01	3.24E-05	2.35E-02	4.22E-03	3.34E-01	3.71E-01	7.48E-01	2.14E+00	1.44E-01	3.40E+00
4214	498363.09	3855877.25	2.05629	0.96268	11.523	2.01498	3.36E-01	7.47E-01	2.23E+00	1.48E-01	3.47E+00	3.31E-01	3.23E-05	2.45E-02	4.34E-03	3.60E-01	4.02E-01	7.47E-01	2.23E+00	1.48E-01	3.53E+00
4215	471363.09	3856377.25	2.97831	1.23343	6.3006	2.103	4.87E-01	9.57E-01	1.22E+00	1.55E-01	2.82E+00	4.80E-01	4.14E-05	1.34E-02	4.53E-03	4.98E-01	5.83E-01	9.57E-01	1.22E+00	1.55E-01	2.92E+00
4216	471863.09	3856377.25	3.0188	1.32721	6.884	2.1692	4.94E-01	1.03E+00	1.33E+00	1.60E-01	3.02E+00	4.86E-01	4.46E-05	1.46E-02	4.67E-03	5.06E-01	5.91E-01	1.03E+00	1.33E+00	1.60E-01	3.11E+00
4217	472363.09	3856377.25	3.19681	1.44407	7.893	2.29537	5.23E-01	1.12E+00	1.53E+00	1.69E-01	3.34E+00	5.15E-01	4.85E-05	1.68E-02	4.94E-03	5.37E-01	6.26E-01	1.12E+00	1.53E+00	1.69E-01	3.45E+00
4218	472863.09	3856377.25	3.43104	1.55982	9.118	2.46397	5.61E-01	1.21E+00	1.77E+00	1.81E-01	3.72E+00	5.53E-01	5.24E-05	1.94E-02	5.30E-03	5.78E-01	6.71E-01	1.21E+00	1.77E+00	1.81E-01	3.83E+00
4219	473363.09	3856377.25	3.60076	1.66555	10.234	2.70101	5.89E-01	1.29E+00	1.98E+00	1.99E-01	4.06E+00	5.80E-01	5.59E-05	2.18E-02	5.81E-03	6.08E-01	7.05E-01	1.29E+00	1.98E+00	1.99E-01	4.18E+00
4220	473863.09	3856377.25	3.96364	2.06463	11.565	3.11807	6.48E-01	1.60E+00	2.24E+00	2.30E-01	4.72E+00	6.39E-01	6.94E-05	2.46E-02	6.71E-03	6.70E-01	7.76E-01	1.60E+00	2.24E+00	2.30E-01	4.85E+00
4221	474363.09	3856377.25	3.77932	1.77742	12.21	3.0043	6.18E-01	1.38E+00	2.37E+00	2.21E-01	4.59E+00	6.09E-01	5.97E-05	2.60E-02	6.47E-03	6.41E-01	7.40E-01	1.38E+00	2.37E+00	2.21E-01	4.71E+00
4222	474863.09	3856377.25	3.39329	1.77639	17.559	3.39119	5.55E-01	1.38E+00	3.40E+00	2.50E-01	5.59E+00	5.47E-01	5.97E-05	3.73E-02	7.30E-03	5.91E-01	6.64E-01	1.38E+00	3.40E+00	2.50E-01	5.70E+00
4223	475363.09	3856377.25	2.24975	1.67435	10.265	2.47276	3.68E-01	1.30E+00	1.99E+00	1.82E-01	3.84E+00	3.63E-01	5.62E-05	2.18E-02	5.32E-03	3.90E-01	4.40E-01	1.30E+00	1.99E+00	1.82E-01	3.91E+00
4224	475863.09	3856377.25	1.6322	1.72601	6.2753	2.43041	2.67E-01	1.34E+00	1.22E+00	1.79E-01	3.00E+00	2.63E-01	5.80E-05	1.33E-02	5.23E-03	2.82E-01	3.19E-01	1.34E+00	1.22E+00	1.79E-01	3.05E+00
4225	476363.09	3856377.25	1.64274	1.75485	6.4052	2.47829	2.69E-01	1.36E+00	1.24E+00	1.82E-01	3.05E+00	2.65E-01	5.89E-05	1.36E-02	5.34E-03	2.84E-01	3.21E-01	1.36E+00	1.24E+00	1.82E-01	3.11E+00
4226	476863.09	3856377.25	1.67754	1.76275	7.0403	2.51337	2.74E-01	1.37E+00	1.37E+00	1.85E-01	3.19E+00	2.70E-01	5.92E-05	1.50E-02	5.41E-03	2.91E-01	3.28E-01	1.37E+00	1.37E+00	1.85E-01	3.25E+00
4227	477363.09	3856377.25	1.73415	1.73807	7.7322	2.53364	2.84E-01	1.35E+00	1.50E+00	1.87E-01	3.32E+00	2.79E-01	5.84E-05	1.64E-02	5.45E-03	3.01E-01	3.39E-01	1.35E+00	1.50E+00	1.87E-01	3.37E+00
4228	477863.09	3856377.25	1.56106	1.67594	8.5633	2.58133	2.55E-01	1.30E+00	1.66E+00	1.90E-01	3.41E+00	2.52E-01	5.63E-05	1.82E-02	5.56E-03	2.75E-01	3.05E-01	1.30E+00	1.66E+00	1.90E-01	3.46E+00
4229	478363.09	3856377.25	1.33589	1.58153	8.8763	2.63199	2.18E-01	1.23E+00	1.72E+00	1.94E-01	3.36E+00	2.15E-01	5.31E-05	1.89E-02	5.67E-03	2.40E-01	2.61E-01	1.23E+00	1.72E+00	1.94E-01	3.40E+00
4230	478863.09	3856377.25	1.99209	1.47034	10.514	2.81193	3.26E-01	1.14E+00	2.04E+00	2.07E-01	3.71E+00	3.21E-01	4.94E-05	2.24E-02	6.05E-03	3.49E-01	3.90E-01	1.14E+00	2.04E+00	2.07E-01	3.78E+00
4231	479363.09	3856377.25	2.22294	1.4093	12.79	3.06966	3.64E-01	1.09E+00	2.48E+00	2.26E-01	4.16E+00	3.58E-01	4.73E-05	2.72E-02	6.61E-03	3.92E-01	4.35E-01	1.09E+00	2.48E+00	2.26E-01	4.23E+00
4232	479863.09	3856377.25	4.04721	1.66243	24.861	5.32975	6.62E-01	1.29E+00	4.82E+00	3.92E-01	7.16E+00	6.52E-01	5.58E-05	5.29E-02	1.15E-02	7.17E-01	7.92E-01	1.29E+00	4.82E+00	3.92E-01	7.29E+00
4233	480363.09	3856377.25	6.98035	2.25655	27.251	6.76919	1.14E+00	1.75E+00	5.28E+00	4.98E-01	8.67E+00	1.12E+00	7.58E-05	5.79E-02	1.46E-02	1.20E+00	1.37E+00	1.75E+00	5.28E+00	4.98E-01	8.90E+00
4234	480863.09	3856377.25	8.95131	3.24457	21.22	5.46091	1.46E+00	2.52E+00	4.11E+00	4.02E-01	8.50E+00	1.44E+00	1.09E-04	4.51E-02	1.18E-02	1.50E+00	1.75E+00	2.52E+00	4.11E+00	4.02E-01	8.79E+00
4235	481363.09	3856377.25	10.4844	4.5447	19.03	4.65143	1.71E+00	3.53E+00	3.69E+00	3.42E-01	9.27E+00	1.69E+00	1.53E-04	4.05E-02	1.00E-02	1.74E+00	2.05E+00	3.53E+00	3.69E+00	3.42E-01	9.61E+00
4236	481863.09	3856377.25	11.3568	7.31943	17.88	3.97921	1.86E+00	5.68E+00	3.47E+00	2.93E-01	1.13E+01	1.83E+00	2.46E-04	3.80E-02	8.57E-03	1.88E+00	2.22E+00	5.68E+00	3.47E+00	2.93E-01	1.17E+01
4237	482363.09	3856377.25	11.3659	13.0335	18.265	5.70547	1.86E+00	1.01E+01	3.54E+00	4.20E-01	1.59E+01	1.83E+00	4.38E-04	3.88E-02	1.23E-02	1.88E+00	2.22E+00	1.01E+01	3.54E+00	4.20E-01	1.63E+01
4238	482863.09	3856377.25	12.2696	18.9983	18.122	4.27675	2.01E+00	1.47E+01	3.51E+00	3.15E-01	2.06E+01	1.98E+00	6.38E-04	3.85E-02	9.21E-03	2.03E+00	2.40E+00	1.47E+01	3.51E+00	3.15E-01	2.10E+01
4239	483363.09	3856377.25	13.4856	32.8405	17.776	5.20356	2.21E+00	2.55E+01	3.45E+00	3.83E-01	3.15E+01	2.17E+00	1.10E-03	3.78E-02	1.12E-02	2.22E+00	2.64E+00	2.55E+01	3.45E+00	3.83E-01	3.19E+01
4240	483863.09	3856377.25	15.4216	33.1616	15.818	18.32634	2.52E+00	2.57E+01	3.07E+00	1.35E+00	3.27E+01	2.48E+00	1.11E-03	3.36E-02	3.95E-02	2.56E+00	3.02E+00	2.57E+01	3.07E+00	1.35E+00	3.32E+01
4241	484363.09	3856377.25	17.6643	31.2449	13.396	19.54324	2.89E+00	2.42E+01	2.60E+00	1.44E+00	3.12E+01	2.85E+00	1.05E-03	2.85E-02	4.21E-02	2.92E+00	3.46E+00	2.42E+01	2.60E+00	1.44E+00	3.17E+01
4242	484863.09	3856377.25	19.8657	17.6489	9.3429	20.40094	3.25E+00	1.37E+01	1.81E+00	1.50E+00	2.03E+01	3.20E+00	5.93E-04	1.99E-02	4.39E-02	3.27E+00	3.89E+00	1.37E+01	1.81E+00	1.50E+00	2.09E+01
4243	485363.09	3856377.25	26.5954	10.7087	10.675	17.40382	4.35E+00	8.31E+00	2.07E+00	1.28E+00	1.60E+01	4.29E+00	3.60E-04	2.27E-02	3.75E-02	4.35E+00	5.20E+00	8.31E+00	2.07E+00	1.28E+00	1.69E+01
4244	485863.09	3856377.25	76.7488	5.98805	13.77	13.40637	1.26E+01	4.64E+00	2.67E+00	9.87E-01	2.09E+01	1.24E+01	2.01E-04	2.93E-02	2.89E-02	1.24E+01	1.50E+01	4.65E+00	2.67E+00	9.87E-01	2.33E+01
4245	486363.09	3856377.25	50.2064	3.16302	15.648	11.50011	8.21E+00	2.45E+00	3.03E+00	8.47E-01	1.45E+01	8.09E+00	1.06E-04	3.33E-02	2.48E-02	8.15E+00	9.82E+00	2.45E+00	3.03E+00	8.47E-01	1.62E+01
4246	486863.09	3856377.25	31.7526	3.22696	16.336	10.84134	5.19E+00	2.50E+00	3.17E+00	7.98E-01	1.17E+01	5.12E+00	1.08E-04	3.47E-02	2.33E-02	5.17E+00	6.21E+00	2.50E+00	3.17E+00	7.98E-01	1.27E+01
4247	487363.09	3856377.25	26.4342	3.51076	24.962	8.75236	4.32E+00	2.72E+00	4.84E+00	6.44E-01	1.25E+01	4.26E+00	1.18E-04	5.31E-02	1.88E-02	4.33E+00	5.17E+00	2.72E+00	4.84E+00	6.44E-01	1.34E+01
4248	487863.09	3856377.25	22.2325	4.07455	31.281	6.04751	3.64E+00	3.16E+00	6.07E+00	4.45E-01	1.33E+01	3.58E+00	1.37E-04	6.65E-02	1.30E-02	3.66E+00	4.35E+00	3.16E+00	6.07E+00	4.45E-01	1.40E+01
4249	488363.09	3856377.25	18.7047	3.82236	25.758	4.78785	3.06E+00	2.97E+00	4.99E+00	3.53E-01	1.14E+01	3.01E+00	1.28E-04	5.48E-02	1.03E-02	3.08E+00	3.66E+00	2.97E+00	4.99E+00	3.53E-01	1.20E+01
4250	488863.09	3856377.25	16.1967	3.93384	30.601	4.26312	2.65E+00	3.05E+00	5.93E+00	3.14E-01	1.19E+01	2.61E+00	1.32E-04	6.51E-02	9.18E-03	2.68E+00	3.17E+00	3.05E+00	5.93E+00	3.14E-01	1.25E+01
4251	489363.09	3856377.25	14.457	3.75758	26.181	4.54921	2.36E+00	2.91E+00	5.08E+00	3.35E-01	1.07E+01	2.33E+00	1.26E-04	5.57E-02	9.79E-03	2.40E+00	2.83E+00	2.91E+00	5.08E+00	3.35E-01	1.12E+01
4252	489863.09	3856377.25	13.0371	3.71582	31.892	5.04033	2.13E+00	2.88E+00	6.18E+00	3.71E-01	1.16E+01	2.10E+00	1.25E-04	6.78E-02	1.09E-02	2.18E+00	2.55E+00	2.88E+00	6.18E+00	3.71E-01	1.20E+01
4253	490363.09	3856377.25	11.8977	3.71385	25.523	5.21561	1.95E+00	2.88E+00	4.95E+00	3.84E-01	1.02E+01	1.92E+00	1.25E-04	5.43E-02	1.12E-02	1.98E+00	2.33E+00	2.88E+00	4.95E+00	3.84E-01	1.05E+01
4254	490863.09	3856377.25	11.1152	3.55205	33.842	3.98877	1.82E+00	2.76E+00	6.56E+00	2.94E-01	1.14E+01	1.79E+00	1.19E-04	7.20E-02	8.59E-03	1.87E+00	2.18E+00	2.76E+00	6.56E+00	2.94E-01	1.18E+01
4255	491363.09	3856377.25	10.4499	2.85237	31.52	5.21626	1.71E+00	2.21E+00	6.11E+00	3.84E-01	1.04E+01	1.68E+00	9.58E-05	6.70E-02	1.12E-02	1.76E+00	2.04E+00	2.21E+00	6.11E+00	3.84E-01	1.08E+01
4256	491863.09	3856377.25	9.77786	2.54041	51.101	5.9903	1.60E+00	1.97E+00	9.91E+00	4.41E-01	1.39E+01	1.58E+00	8.53E-05	1.09E-01	1.29E-02	1.70E+00	1.91E+00	1.97E+00	9.91E+00	4.41E-01	1.42E+01
4257	492363.09	3856377.25	8.90126	1.65265	55.6	6.21608	1.46E+00	1.28E+00	1.08E+01	4.58E-01	1.40E+01	1.43E+00	5.55E-05	1.18E-01	1.34E-02	1.57E+00	1.74E+00	1.28E+00	1.08E+01	4.58E-01	1.43E+01
4258	492863.09	3856377.25	6.88084	1.53555	42.194	4.50632	1.13E+00	1.19E+00	8.18E+00	3.32E-01	1.08E+01	1.11E+00	5.16E-05	8.97E-02	9.70E-03	1.21E+00	1.35E+00	1.19E+00	8.18E+00	3.32E-01	1.11E+01
4259	493363.09	3856377.25	2.93288	1.35715	19.124	2.30883	4.80E-01	1.05E+00	3.71E+00	1.70E-01	5.41E+00	4.73E-01	4.56E-05	4.07E-02	4.97E-03	5.18E-01	5.74E-01	1.05E+00	3.71E+00	1.70E-01	5.51E+00
4260	493863.09	3856377.25	2.82388	1.19706	18.084	2.15373	4.62E-01	9.29E-01	3.51E+00	1.59E-01	5.06E+00	4.55E-01	4.02E-05	3.84E-02	4.64E-03	4.98E-01	5.53E-01	9.29E-01	3.51E+00	1.59E-01	5.15E+00
4261	494363.09	3856377.25	2.04449	1.15627	16.872	2.17519	3.34E-01	8.97E-01	3.27E+00	1.60E-01	4.66E+00	3.29E-01	3.88E-05	3.59E-02	4.68E-03	3.70E-01	4.00E-01	8.97E-01	3.27E+00	1.60E-01	4.73E+00
4262	494863.09	3856377.25	1.76259	1.11702	14.464	1.93013	2.88E-01	8.66E-01	2.80E+00	1.42E-01	4.10E+00	2.84E-01	3.75E-05	3.08E-02	4.16E-03	3.19E-01	3.45E-01	8.67E-01	2.80E+00	1.42E-01	4.16E+00
4263	495363.09	3856377.25	1.69622	1.05908	10.782	1.45845	2.77E-01	8.22E-01	2.09E+00	1.07E-01	3.30E+00	2.73E-01	3.56E-05	2.29E-02	3.14E-03	2.99E-01	3.32E-01	8.22E-01	2.09E+00	1.07E-01	3.35E+00
4264	495863.09	3856377.25	1.63089	1.02559	9.9764	1.45565	2.67E-01	7.96E-01	1.93E+00	1.07E-01	3.10E+00	2.63E-01	3.45E-05	2.12E-02	3.13E-03	2.87E-01	3.19E-01	7.96E-01	1.93E+00	1.07E-01	3.16E+00
4265	496363.09	3856377.25	1.58141	0.99852	9.9788	1.53286	2.59E-01	7.75E-01	1.93E+00	1.13E-01	3.08E+00	2.55E-01	3.35E-05	2.12E-02	3.30E-03	2.79E-01	3.09E-01	7.75E-01	1.93E+00	1.13E-01	3.13E+00
4266	496863.09	3856377.25	1.5414	0.97619	11.476	2.02259	2.52E-01	7.57E-01	2.23E+00	1.49E-01	3.38E+00	2.48E-01	3.28E-05	2.44E-02	4.35E-03	2.77E-01	3.02E-01	7.57E-01	2.23E+00	1.49E-01	3.43E+00

4267	497363.09	3856377.25	1.49675	0.98977	10.647	2.0939	2.45E-01	7.68E-01	2.06E+00	1.54E-01	3.23E+00	2.41E-01	3.32E-05	2.26E-02	4.51E-03	2.68E-01	2.93E-01	7.68E-01	2.06E+00	1.54E-01	3.28E+00
4268	497863.09	3856377.25	1.65879	1.00927	10.786	2.08204	2.71E-01	7.83E-01	2.09E+00	1.53E-01	3.30E+00	2.67E-01	3.39E-05	2.29E-02	4.48E-03	2.95E-01	3.25E-01	7.83E-01	2.09E+00	1.53E-01	3.35E+00
4269	498363.09	3856377.25	1.69753	1.01277	10.177	2.04719	2.78E-01	7.86E-01	1.97E+00	1.51E-01	3.19E+00	2.74E-01	3.40E-05	2.16E-02	4.41E-03	3.00E-01	3.32E-01	7.86E-01	1.97E+00	1.51E-01	3.24E+00
4270	471363.09	3856877.25	3.08196	1.32791	7.787	2.19549	5.04E-01	1.03E+00	1.51E+00	1.62E-01	3.21E+00	4.97E-01	4.46E-05	1.66E-02	4.73E-03	5.18E-01	6.03E-01	1.03E+00	1.51E+00	1.62E-01	3.30E+00
4271	471863.09	3856877.25	3.11606	1.28841	7.6703	2.19681	5.10E-01	9.99E-01	1.49E+00	1.62E-01	3.16E+00	5.02E-01	4.33E-05	1.63E-02	4.73E-03	5.23E-01	6.10E-01	9.99E-01	1.49E+00	1.62E-01	3.26E+00
4272	472363.09	3856877.25	3.32144	1.32219	7.7527	2.38174	5.43E-01	1.03E+00	1.50E+00	1.75E-01	3.25E+00	5.35E-01	4.44E-05	1.65E-02	5.13E-03	5.57E-01	6.50E-01	1.03E+00	1.50E+00	1.75E-01	3.35E+00
4273	472863.09	3856877.25	3.54638	1.34651	7.7873	2.55287	5.80E-01	1.04E+00	1.51E+00	1.88E-01	3.32E+00	5.71E-01	4.52E-05	1.66E-02	5.50E-03	5.94E-01	6.94E-01	1.04E+00	1.51E+00	1.88E-01	3.44E+00
4274	473363.09	3856877.25	3.99743	1.47369	7.8991	2.94666	6.54E-01	1.14E+00	1.53E+00	2.17E-01	3.55E+00	6.44E-01	4.95E-05	1.68E-02	6.34E-03	6.67E-01	7.82E-01	1.14E+00	1.53E+00	2.17E-01	3.67E+00
4275	473863.09	3856877.25	4.20519	1.55703	7.8201	3.12845	6.88E-01	1.21E+00	1.52E+00	2.30E-01	3.64E+00	6.78E-01	5.23E-05	1.66E-02	6.73E-03	7.01E-01	8.23E-01	1.21E+00	1.52E+00	2.30E-01	3.78E+00
4276	474363.09	3856877.25	3.95421	1.4942	7.8607	2.92855	6.47E-01	1.16E+00	1.52E+00	2.16E-01	3.55E+00	6.37E-01	5.02E-05	1.67E-02	6.30E-03	6.60E-01	7.74E-01	1.16E+00	1.52E+00	2.16E-01	3.67E+00
4277	474863.09	3856877.25	3.43101	1.43674	10.589	3.50192	5.61E-01	1.11E+00	2.05E+00	2.58E-01	3.99E+00	5.53E-01	4.83E-05	2.25E-02	7.54E-03	5.83E-01	6.71E-01	1.11E+00	2.05E+00	2.58E-01	4.10E+00
4278	475363.09	3856877.25	2.43303	1.451	7.4057	2.32816	3.98E-01	1.13E+00	1.44E+00	1.71E-01	3.13E+00	3.92E-01	4.87E-05	1.57E-02	5.01E-03	4.13E-01	4.76E-01	1.13E+00	1.44E+00	1.71E-01	3.21E+00
4279	475863.09	3856877.25	2.28662	1.52183	7.3102	2.39554	3.74E-01	1.18E+00	1.42E+00	1.76E-01	3.15E+00	3.68E-01	5.11E-05	1.55E-02	5.16E-03	3.89E-01	4.47E-01	1.18E+00	1.42E+00	1.76E-01	3.22E+00
4280	476363.09	3856877.25	1.89947	1.58919	6.8524	2.45737	3.11E-01	1.23E+00	1.33E+00	1.81E-01	3.05E+00	3.06E-01	5.34E-05	1.46E-02	5.29E-03	3.26E-01	3.72E-01	1.23E+00	1.33E+00	1.81E-01	3.11E+00
4281	476863.09	3856877.25	1.89208	1.66667	7.0631	2.50888	3.09E-01	1.29E+00	1.37E+00	1.85E-01	3.16E+00	3.05E-01	5.60E-05	1.50E-02	5.40E-03	3.25E-01	3.70E-01	1.29E+00	1.37E+00	1.85E-01	3.22E+00
4282	477363.09	3856877.25	1.91234	1.74647	7.2704	2.56792	3.13E-01	1.35E+00	1.41E+00	1.89E-01	3.27E+00	3.08E-01	5.87E-05	1.55E-02	5.53E-03	3.29E-01	3.74E-01	1.35E+00	1.41E+00	1.89E-01	3.33E+00
4283	477863.09	3856877.25	1.34361	1.7783	6.4455	2.52499	2.20E-01	1.38E+00	1.25E+00	1.86E-01	3.03E+00	2.16E-01	5.97E-05	1.37E-02	5.44E-03	2.36E-01	2.63E-01	1.38E+00	1.25E+00	1.86E-01	3.08E+00
4284	478363.09	3856877.25	1.32962	1.82508	6.8126	2.5942	2.17E-01	1.42E+00	1.32E+00	1.91E-01	3.15E+00	2.14E-01	6.13E-05	1.45E-02	5.58E-03	2.34E-01	2.60E-01	1.42E+00	1.32E+00	1.91E-01	3.19E+00
4285	478863.09	3856877.25	1.57443	1.83319	7.3135	2.60485	2.58E-01	1.42E+00	1.42E+00	1.92E-01	3.29E+00	2.54E-01	6.16E-05	1.55E-02	5.61E-03	2.75E-01	3.08E-01	1.42E+00	1.42E+00	1.92E-01	3.34E+00
4286	479363.09	3856877.25	1.81362	1.79366	7.9563	2.58859	2.97E-01	1.39E+00	1.54E+00	1.91E-01	3.42E+00	2.92E-01	6.03E-05	1.69E-02	5.57E-03	3.15E-01	3.55E-01	1.39E+00	1.54E+00	1.91E-01	3.48E+00
4287	479863.09	3856877.25	3.86664	2.00896	27.857	6.6563	6.32E-01	1.56E+00	5.40E+00	4.90E-01	8.08E+00	6.23E-01	6.75E-05	5.92E-02	1.43E-02	6.97E-01	7.57E-01	1.56E+00	5.40E+00	4.90E-01	8.21E+00
4288	480363.09	3856877.25	6.51641	2.49912	30.09	11.24924	1.07E+00	1.94E+00	5.83E+00	8.28E-01	9.67E+00	1.05E+00	8.39E-05	6.40E-02	2.42E-02	1.14E+00	1.28E+00	1.94E+00	5.83E+00	8.28E-01	9.88E+00
4289	480863.09	3856877.25	8.59376	3.14542	16.707	5.33796	1.41E+00	2.44E+00	3.24E+00	3.93E-01	7.48E+00	1.38E+00	1.06E-04	3.55E-02	1.15E-02	1.43E+00	1.68E+00	2.44E+00	3.24E+00	3.93E-01	7.75E+00
4290	481363.09	3856877.25	9.58898	4.36456	13.517	3.90291	1.57E+00	3.39E+00	2.62E+00	2.87E-01	7.86E+00	1.55E+00	1.47E-04	2.87E-02	8.40E-03	1.58E+00	1.88E+00	3.39E+00	2.62E+00	2.87E-01	8.17E+00
4291	481863.09	3856877.25	10.2744	5.21059	15.593	4.41042	1.68E+00	4.04E+00	3.02E+00	3.25E-01	9.07E+00	1.66E+00	1.75E-04	3.32E-02	9.49E-03	1.70E+00	2.01E+00	4.04E+00	3.02E+00	3.25E-01	9.40E+00
4292	482363.09	3856877.25	10.2743	9.30835	18.275	4.26067	1.68E+00	7.22E+00	3.54E+00	3.14E-01	1.28E+01	1.66E+00	3.13E-04	3.89E-02	9.17E-03	1.70E+00	2.01E+00	7.22E+00	3.54E+00	3.14E-01	1.31E+01
4293	482863.09	3856877.25	10.6917	12.4361	20.095	3.90129	1.75E+00	9.65E+00	3.90E+00	2.87E-01	1.56E+01	1.72E+00	4.18E-04	4.27E-02	8.40E-03	1.77E+00	2.09E+00	9.65E+00	3.90E+00	2.87E-01	1.59E+01
4294	483363.09	3856877.25	11.4681	18.0139	21.744	13.05067	1.88E+00	1.40E+01	4.22E+00	9.61E-01	2.10E+01	1.85E+00	6.05E-04	4.62E-02	2.81E-02	1.92E+00	2.24E+00	1.40E+01	4.22E+00	9.61E-01	2.14E+01
4295	483863.09	3856877.25	12.4046	28.7338	22.567	12.10947	2.03E+00	2.23E+01	4.38E+00	8.92E-01	2.96E+01	2.00E+00	9.65E-04	4.80E-02	2.61E-02	2.07E+00	2.43E+00	2.23E+01	4.38E+00	8.92E-01	3.00E+01
4296	484363.09	3856877.25	13.8041	31.741	22.269	18.03621	2.26E+00	2.46E+01	4.32E+00	1.33E+00	3.25E+01	2.22E+00	1.07E-03	4.73E-02	3.88E-02	2.31E+00	2.70E+00	2.46E+01	4.32E+00	1.33E+00	3.30E+01
4297	484863.09	3856877.25	15.8383	33.8083	20.419	19.50432	2.59E+00	2.62E+01	3.96E+00	1.44E+00	3.42E+01	2.55E+00	1.14E-03	4.34E-02	4.20E-02	2.64E+00	3.10E+00	2.62E+01	3.96E+00	1.44E+00	3.47E+01
4298	485363.09	3856877.25	19.1355	20.0546	16.784	15.27861	3.13E+00	1.56E+01	3.25E+00	1.12E+00	2.31E+01	3.08E+00	6.74E-04	3.57E-02	3.29E-02	3.15E+00	3.74E+00	1.56E+01	3.25E+00	1.12E+00	2.37E+01
4299	485863.09	3856877.25	24.94	11.8579	12.982	17.1493	4.08E+00	9.20E+00	2.52E+00	1.26E+00	1.71E+01	4.02E+00	3.98E-04	2.76E-02	3.69E-02	4.08E+00	4.88E+00	9.20E+00	2.52E+00	1.26E+00	1.79E+01
4300	486363.09	3856877.25	59.6952	4.16139	15.449	17.35466	9.76E+00	3.23E+00	3.00E+00	1.28E+00	1.73E+01	9.62E+00	1.40E-04	3.28E-02	3.74E-02	9.69E+00	1.17E+01	3.23E+00	3.00E+00	1.28E+00	1.92E+01
4301	486863.09	3856877.25	83.6383	3.33401	19.692	7.48424	1.37E+01	2.59E+00	3.82E+00	5.51E-01	2.06E+01	1.35E+01	1.12E-04	4.19E-02	1.61E-02	1.35E+01	1.64E+01	2.59E+00	3.82E+00	5.51E-01	2.33E+01
4302	487363.09	3856877.25	34.4506	4.64035	22.634	7.19392	5.63E+00	3.60E+00	4.39E+00	5.30E-01	1.42E+01	5.55E+00	1.56E-04	4.81E-02	1.55E-02	5.61E+00	6.74E+00	3.60E+00	4.39E+00	5.30E-01	1.53E+01
4303	487863.09	3856877.25	27.3271	5.09684	38.212	6.06453	4.47E+00	3.95E+00	7.41E+00	4.46E-01	1.63E+01	4.40E+00	1.71E-04	8.12E-02	1.31E-02	4.50E+00	5.35E+00	3.95E+00	7.41E+00	4.46E-01	1.72E+01
4304	488363.09	3856877.25	22.82	5.44186	31.644	4.73	3.73E+00	4.22E+00	6.14E+00	3.48E-01	1.44E+01	3.68E+00	1.83E-04	6.73E-02	1.02E-02	3.75E+00	4.47E+00	4.22E+00	6.14E+00	3.48E-01	1.52E+01
4305	488863.09	3856877.25	19.2886	5.44997	31.468	4.37431	3.15E+00	4.23E+00	6.10E+00	3.22E-01	1.38E+01	3.11E+00	1.83E-04	6.69E-02	9.42E-03	3.18E+00	3.77E+00	4.23E+00	6.10E+00	3.22E-01	1.44E+01
4306	489363.09	3856877.25	16.7635	5.50159	38.134	4.80274	2.74E+00	4.27E+00	7.39E+00	3.54E-01	1.48E+01	2.70E+00	1.85E-04	8.11E-02	1.03E-02	2.79E+00	3.28E+00	4.27E+00	7.39E+00	3.54E-01	1.53E+01
4307	489863.09	3856877.25	14.9268	4.66279	29.518	4.97098	2.44E+00	3.62E+00	5.72E+00	3.66E-01	1.21E+01	2.41E+00	1.57E-04	6.28E-02	1.07E-02	2.48E+00	2.92E+00	3.62E+00	5.72E+00	3.66E-01	1.26E+01
4308	490363.09	3856877.25	13.4263	4.28668	31.989	3.74788	2.20E+00	3.33E+00	6.20E+00	2.76E-01	1.20E+01	2.16E+00	1.44E-04	6.80E-02	8.07E-03	2.24E+00	2.63E+00	3.33E+00	6.20E+00	2.76E-01	1.24E+01
4309	490863.09	3856877.25	12.1521	3.33823	33.38	4.30326	1.99E+00	2.59E+00	6.47E+00	3.17E-01	1.14E+01	1.96E+00	1.12E-04	7.10E-02	9.26E-03	2.04E+00	2.38E+00	2.59E+00	6.47E+00	3.17E-01	1.18E+01
4310	491363.09	3856877.25	11.2154	2.84782	31.673	5.19855	1.83E+00	2.21E+00	6.14E+00	3.83E-01	1.06E+01	1.81E+00	9.57E-05	6.73E-02	1.12E-02	1.89E+00	2.19E+00	2.21E+00	6.14E+00	3.83E-01	1.09E+01
4311	491863.09	3856877.25	10.3198	2.50312	34.927	5.91442	1.69E+00	1.94E+00	6.77E+00	4.35E-01	1.08E+01	1.66E+00	8.41E-05	7.43E-02	1.27E-02	1.75E+00	2.02E+00	1.94E+00	6.77E+00	4.35E-01	1.12E+01
4312	492363.09	3856877.25	7.82491	1.46302	65.28	6.81168	1.28E+00	1.13E+00	1.27E+01	5.02E-01	1.56E+01	1.26E+00	4.91E-05	1.39E-01	1.47E-02	1.41E+00	1.53E+00	1.13E+00	1.27E+01	5.02E-01	1.58E+01
4313	492863.09	3856877.25	4.69951	1.31277	55.923	4.40108	7.69E-01	1.02E+00	1.08E+01	3.24E-01	1.30E+01	7.57E-01	4.41E-05	1.19E-01	9.47E-03	8.86E-01	9.20E-01	1.02E+00	1.08E+01	3.24E-01	1.31E+01
4314	493363.09	3856877.25	2.6239	1.27674	24.587	2.75481	4.29E-01	9.90E-01	4.77E+00	2.03E-01	6.39E+00	4.23E-01	4.29E-05	5.23E-02	5.93E-03	4.81E-01	5.13E-01	9.90E-01	4.77E+00	2.03E-01	6.47E+00
4315	493863.09	3856877.25	1.95353	1.01228	17.926	2.37947	3.20E-01	7.85E-01	3.48E+00	1.75E-01	4.76E+00	3.15E-01	3.40E-05	3.81E-02	5.12E-03	3.58E-01	3.82E-01	7.85E-01	3.48E+00	1.75E-01	4.82E+00
4316	494363.09	3856877.25	1.57473	0.94644	14.301	2.15972	2.58E-01	7.34E-01	2.77E+00	1.59E-01	3.92E+00	2.54E-01	3.18E-05	3.04E-02	4.65E-03	2.89E-01	3.08E-01	7.34E-01	2.77E+00	1.59E-01	3.97E+00
4317	494863.09	3856877.25	1.3541	0.9387	13.524	2.15142	2.21E-01	7.28E-01	2.62E+00	1.58E-01	3.73E+00	2.18E-01	3.15E-05	2.88E-02	4.63E-03	2.52E-01	2.65E-01	7.28E-01	2.62E+00	1.58E-01	3.77E+00
4318	495363.09	3856877.25	1.31058	0.93767	12.888	1.75713	2.14E-01	7.27E-01	2.50E+00	1.29E-01	3.57E+00	2.11E-01	3.15E-05	2.74E-02	3.78E-03	2.42E-01	2.56E-01	7.27E-01	2.50E+00	1.29E-01	3.61E+00
4319	495863.09	3856877.25	1.26903	0.92445	12.613	1.88793	2.08E-01	7.17E-01	2.45E+00	1.39E-01	3.51E+00	2.04E-01	3.11E-05	2.68E-02	4.06E-03	2.35E-01	2.48E-01	7.17E-01	2.45E+00	1.39E-01	3.55E+00
4320	496363.09	3856877.25	1.22769	0.93272	12.408	2.15791	2.01E-01	7.24E-01	2.41E+00	1.59E-01	3.49E+00	1.98E-01	3.13E-05	2.64E-02	4.65E-03	2.29E-01	2.40E-01	7.24E-01	2.41E+00	1.59E-01	3.53E+00
4321	496863.09	3856877.25	1.18691	0.93707	12.412	2.1942	1.94E-01	7.27E-01	2.41E+00	1.62E-01	3.49E+00	1.91E-01	3.15E-05	2.64E-02	4.72E-03	2.22E-01	2.32E-01	7.27E-01	2.41E+00	1.62E-01	3.53E+00
4322	497363.09	3856877.25	1.3016	0.93011	12.123	2.14718	2.13E-01	7.21E-01	2.35E+00	1.58E-01	3.44E+00	2.10E-01	3.12E-05	2.58E-02	4.62E-03	2.40E-01	2.55E-01	7.22E-01	2.35E+00	1.58E-01	3.49E+00
4323	497863.09	3856877.25	1.26535	0.91764	12.078	2.15315	2.07E-01	7.12E-01	2.34E+00	1.59E-01	3.42E+00	2.04E-01	3.08E-05	2.57E-02	4.64E-03	2.34E-01	2.48E-01	7.12E-01	2.34E+00	1.59E-01	3.46E+00
4324	498363.09	3856877.25	1.36931	0.97793	12.409	2.23558	2.24E-01	7.59E-01	2.41E+00	1.65E-01	3.55E+00	2.21E-01	3.29E-05	2.64E-02	4.81E-03	2.52E-01	2.68E-01	7.59E-01	2.41E+00	1.65E-01	3.60E+00
4325	471363.09	3857377.25	3.63589	1.35515	11.108	3.57406	5.95E-01	1.05E+00	2.15E+00	2.63E-01	4.06E+00	5.86E-01	4.55E-05	2.36E-02	7.69E-03	6.17E-01	7.11E-01	1.05E+00	2.15E+00	2.63E-01	4.18E+00
4326	471863.09	3857377.25	3.61135	1.30922	11.232	3.55204	5.91E-01	1.02E+00	2.18E+00	2.62E-01	4.05E+00	5.82E-01	4.40E-05	2.39E-02	7.65E-03	6.13E-01	7.07E-01	1.02E+00	2.18E+00	2.62E-01	4.16E+00
4327	472363.09	3857377.25	3.70679	1.34146	11.572	3.72809	6.06E-01	1.04E+00	2.24E+00	2.74E-01	4.17E+00	5.97E-01	4.51E-05	2.46E-02	8.03E-03	6.30E-01	7.25E-01	1.04E+00	2.24E+00	2.74E-01	4.28E+00

4328	472863.09	3857377.25	3.86187	1.41397	11.985	3.99017	6.32E-01	1.10E+00	2.32E+00	2.94E-01	4.35E+00	6.22E-01	4.75E-05	2.55E-02	8.59E-03	6.56E-01	7.56E-01	1.10E+00	2.32E+00	2.94E-01	4.47E+00
4329	473363.09	3857377.25	4.10422	1.55087	12.385	4.34059	6.71E-01	1.20E+00	2.40E+00	3.20E-01	4.60E+00	6.61E-01	5.21E-05	2.63E-02	9.34E-03	6.97E-01	8.03E-01	1.20E+00	2.40E+00	3.20E-01	4.73E+00
4330	473863.09	3857377.25	4.47012	1.74793	12.544	4.66294	7.31E-01	1.36E+00	2.43E+00	3.43E-01	4.86E+00	7.20E-01	5.87E-05	2.67E-02	1.00E-02	7.57E-01	8.75E-01	1.36E+00	2.43E+00	3.43E-01	5.01E+00
4331	474363.09	3857377.25	4.06948	1.45068	12.708	4.11114	6.66E-01	1.13E+00	2.46E+00	3.03E-01	4.56E+00	6.56E-01	4.87E-05	2.70E-02	8.85E-03	6.92E-01	7.96E-01	1.13E+00	2.46E+00	3.03E-01	4.69E+00
4332	474863.09	3857377.25	2.54915	1.00699	11.421	2.54719	4.17E-01	7.81E-01	2.21E+00	1.88E-01	3.60E+00	4.11E-01	3.38E-05	2.43E-02	5.48E-03	4.41E-01	4.99E-01	7.81E-01	2.21E+00	1.88E-01	3.68E+00
4333	475363.09	3857377.25	1.75616	1.06369	6.7651	1.96197	2.87E-01	8.25E-01	1.31E+00	1.44E-01	2.57E+00	2.83E-01	3.57E-05	1.44E-02	4.22E-03	3.02E-01	3.44E-01	8.25E-01	1.31E+00	1.44E-01	2.63E+00
4334	475863.09	3857377.25	1.74648	1.1718	6.9686	2.06139	2.86E-01	9.09E-01	1.35E+00	1.52E-01	2.70E+00	2.81E-01	3.94E-05	1.48E-02	4.44E-03	3.01E-01	3.42E-01	9.09E-01	1.35E+00	1.52E-01	2.75E+00
4335	476363.09	3857377.25	1.94549	1.28515	8.7178	2.15272	3.18E-01	9.97E-01	1.69E+00	1.58E-01	3.16E+00	3.13E-01	4.32E-05	1.85E-02	4.63E-03	3.37E-01	3.81E-01	9.97E-01	1.69E+00	1.58E-01	3.23E+00
4336	476863.09	3857377.25	1.98336	1.38889	8.1244	2.25175	3.24E-01	1.08E+00	1.58E+00	1.66E-01	3.14E+00	3.20E-01	4.67E-05	1.73E-02	4.85E-03	3.42E-01	3.88E-01	1.08E+00	1.58E+00	1.66E-01	3.21E+00
4337	477363.09	3857377.25	1.97968	1.47336	7.6688	2.36001	3.24E-01	1.14E+00	1.49E+00	1.74E-01	3.13E+00	3.19E-01	4.95E-05	1.63E-02	5.08E-03	3.40E-01	3.87E-01	1.14E+00	1.49E+00	1.74E-01	3.19E+00
4338	477863.09	3857377.25	1.70068	1.51852	6.441	2.33068	2.78E-01	1.18E+00	1.25E+00	1.72E-01	2.88E+00	2.74E-01	5.10E-05	1.37E-02	5.02E-03	2.93E-01	3.33E-01	1.18E+00	1.25E+00	1.72E-01	2.93E+00
4339	478363.09	3857377.25	1.47484	1.58594	6.7092	2.43443	2.41E-01	1.23E+00	1.30E+00	1.79E-01	2.95E+00	2.38E-01	5.33E-05	1.43E-02	5.24E-03	2.57E-01	2.89E-01	1.23E+00	1.30E+00	1.79E-01	3.00E+00
4340	478863.09	3857377.25	1.47501	1.6325	7.0144	2.65813	2.41E-01	1.27E+00	1.36E+00	1.96E-01	3.06E+00	2.38E-01	5.48E-05	1.49E-02	5.72E-03	2.58E-01	2.89E-01	1.27E+00	1.36E+00	1.96E-01	3.11E+00
4341	479363.09	3857377.25	1.79768	1.7759	7.3327	2.77714	2.94E-01	1.38E+00	1.42E+00	2.04E-01	3.30E+00	2.90E-01	5.97E-05	1.56E-02	5.98E-03	3.11E-01	3.52E-01	1.38E+00	1.42E+00	2.04E-01	3.36E+00
4342	479863.09	3857377.25	3.28737	1.91882	14.547	4.37759	5.38E-01	1.49E+00	2.82E+00	3.22E-01	5.17E+00	5.30E-01	6.45E-05	3.09E-02	9.42E-03	5.70E-01	6.43E-01	1.49E+00	2.82E+00	3.22E-01	5.27E+00
4343	480363.09	3857377.25	2.38907	1.96779	10.124	3.80731	3.91E-01	1.53E+00	1.96E+00	2.80E-01	4.16E+00	3.85E-01	6.61E-05	2.15E-02	8.20E-03	4.15E-01	4.67E-01	1.53E+00	1.96E+00	2.80E-01	4.24E+00
4344	480863.09	3857377.25	8.09956	3.58854	13.657	6.51479	1.32E+00	2.78E+00	2.65E+00	4.80E-01	7.24E+00	1.31E+00	1.21E-04	2.90E-02	1.40E-02	1.35E+00	1.58E+00	2.78E+00	2.65E+00	4.80E-01	7.50E+00
4345	481363.09	3857377.25	8.46898	3.56698	13	5.32879	1.39E+00	2.77E+00	2.52E+00	3.92E-01	7.07E+00	1.36E+00	1.20E-04	2.76E-02	1.15E-02	1.40E+00	1.66E+00	2.77E+00	2.52E+00	3.92E-01	7.34E+00
4346	481863.09	3857377.25	9.22334	4.42478	11.62	4.63909	1.51E+00	3.43E+00	2.25E+00	3.42E-01	7.54E+00	1.49E+00	1.49E-04	2.47E-02	9.99E-03	1.52E+00	1.80E+00	3.43E+00	2.25E+00	3.42E-01	7.83E+00
4347	482363.09	3857377.25	9.46052	6.55483	12.961	4.42246	1.55E+00	5.08E+00	2.51E+00	3.26E-01	9.47E+00	1.52E+00	2.20E-04	2.76E-02	9.52E-03	1.56E+00	1.85E+00	5.08E+00	2.51E+00	3.26E-01	9.77E+00
4348	482863.09	3857377.25	9.57345	8.2496	14.186	7.56904	1.57E+00	6.40E+00	2.75E+00	5.57E-01	1.13E+01	1.54E+00	2.77E-04	3.02E-02	1.63E-02	1.59E+00	1.87E+00	6.40E+00	2.75E+00	5.57E-01	1.16E+01
4349	483363.09	3857377.25	10.0185	9.85689	15.463	9.67938	1.64E+00	7.65E+00	3.00E+00	7.13E-01	1.30E+01	1.61E+00	3.31E-04	3.29E-02	2.08E-02	1.67E+00	1.96E+00	7.65E+00	3.00E+00	7.13E-01	1.33E+01
4350	483863.09	3857377.25	10.8058	14.2874	17.503	13.19381	1.77E+00	1.11E+01	3.39E+00	9.71E-01	1.72E+01	1.74E+00	4.80E-04	3.72E-02	2.84E-02	1.81E+00	2.11E+00	1.11E+01	3.39E+00	9.71E-01	1.76E+01
4351	484363.09	3857377.25	11.4714	25.8423	20.939	3.68925	1.88E+00	2.00E+01	4.06E+00	2.72E-01	2.63E+01	1.85E+00	8.68E-04	4.45E-02	7.94E-03	1.90E+00	2.24E+00	2.00E+01	4.06E+00	2.72E-01	2.66E+01
4352	484863.09	3857377.25	12.6805	27.2973	24.501	6.08104	2.07E+00	2.12E+01	4.75E+00	4.48E-01	2.84E+01	2.04E+00	9.17E-04	5.21E-02	1.31E-02	2.11E+00	2.48E+00	2.12E+01	4.75E+00	4.48E-01	2.89E+01
4353	485363.09	3857377.25	14.274	32.8301	26.318	7.34479	2.33E+00	2.55E+01	5.10E+00	5.41E-01	3.34E+01	2.30E+00	1.10E-03	5.60E-02	1.58E-02	2.37E+00	2.79E+00	2.55E+01	5.10E+00	5.41E-01	3.39E+01
4354	485863.09	3857377.25	18.249	25.4575	24.934	11.36202	2.98E+00	1.97E+01	4.83E+00	8.37E-01	2.84E+01	2.94E+00	8.55E-04	5.30E-02	2.45E-02	3.02E+00	3.57E+00	1.97E+01	4.83E+00	8.37E-01	2.90E+01
4355	486363.09	3857377.25	25.3286	11.7292	26.066	5.99256	4.14E+00	9.10E+00	5.05E+00	4.41E-01	1.87E+01	4.08E+00	3.94E-04	5.54E-02	1.29E-02	4.15E+00	4.96E+00	9.10E+00	5.05E+00	4.41E-01	1.96E+01
4356	486863.09	3857377.25	48.4095	4.91253	21.911	7.66215	7.92E+00	3.81E+00	4.25E+00	5.64E-01	1.65E+01	7.80E+00	1.65E-04	4.66E-02	1.65E-02	7.86E+00	9.47E+00	3.81E+00	4.25E+00	5.64E-01	1.81E+01
4357	487363.09	3857377.25	51.364	4.86896	27.188	5.51711	8.40E+00	3.78E+00	5.27E+00	4.06E-01	1.79E+01	8.28E+00	1.64E-04	5.78E-02	1.19E-02	8.35E+00	1.01E+01	3.78E+00	5.27E+00	4.06E-01	1.95E+01
4358	487863.09	3857377.25	31.9103	6.75692	51.641	4.65833	5.22E+00	5.24E+00	1.00E+01	3.43E-01	2.08E+01	5.14E+00	2.27E-04	1.10E-01	1.00E-02	5.26E+00	6.24E+00	5.24E+00	1.00E+01	3.43E-01	2.18E+01
4359	488363.09	3857377.25	27.0352	7.43358	40.798	4.63964	4.42E+00	5.77E+00	7.91E+00	3.42E-01	1.84E+01	4.36E+00	2.50E-04	8.67E-02	9.99E-03	4.45E+00	5.29E+00	5.77E+00	7.91E+00	3.42E-01	1.93E+01
4360	488863.09	3857377.25	22.2871	7.46427	48.357	5.10558	3.65E+00	5.79E+00	9.38E+00	3.76E-01	1.92E+01	3.59E+00	2.51E-04	1.03E-01	1.10E-02	3.71E+00	4.36E+00	5.79E+00	9.38E+00	3.76E-01	1.99E+01
4361	489363.09	3857377.25	18.7381	7.02705	48.38	5.27733	3.06E+00	5.45E+00	9.38E+00	3.89E-01	1.83E+01	3.02E+00	2.36E-04	1.03E-01	1.14E-02	3.13E+00	3.67E+00	5.45E+00	9.38E+00	3.89E-01	1.89E+01
4362	489863.09	3857377.25	16.6015	5.78734	37.929	4.38597	2.72E+00	4.49E+00	7.35E+00	3.23E-01	1.49E+01	2.68E+00	1.94E-04	8.06E-02	9.44E-03	2.77E+00	3.25E+00	4.49E+00	7.35E+00	3.23E-01	1.54E+01
4363	490363.09	3857377.25	14.8756	4.42908	39.872	4.22914	2.43E+00	3.44E+00	7.73E+00	3.11E-01	1.39E+01	2.40E+00	1.49E-04	8.48E-02	9.10E-03	2.49E+00	2.91E+00	3.44E+00	7.73E+00	3.11E-01	1.44E+01
4364	490863.09	3857377.25	13.2483	3.58794	38.882	4.48939	2.17E+00	2.78E+00	7.54E+00	3.31E-01	1.28E+01	2.13E+00	1.21E-04	8.27E-02	9.66E-03	2.23E+00	2.59E+00	2.78E+00	7.54E+00	3.31E-01	1.32E+01
4365	491363.09	3857377.25	12.1086	3.26085	34.827	4.32833	1.98E+00	2.53E+00	6.75E+00	3.19E-01	1.16E+01	1.95E+00	1.10E-04	7.40E-02	9.32E-03	2.03E+00	2.37E+00	2.53E+00	6.75E+00	3.19E-01	1.20E+01
4366	491863.09	3857377.25	11.3204	2.53042	42.765	5.56102	1.85E+00	1.96E+00	8.29E+00	4.09E-01	1.25E+01	1.82E+00	8.50E-05	9.09E-02	1.20E-02	1.93E+00	2.22E+00	1.96E+00	8.29E+00	4.09E-01	1.29E+01
4367	492363.09	3857377.25	7.69503	1.51562	69.699	8.03636	1.26E+00	1.18E+00	1.35E+01	5.92E-01	1.65E+01	1.24E+00	5.09E-05	1.48E-01	1.73E-02	1.41E+00	1.51E+00	1.18E+00	1.35E+01	5.92E-01	1.68E+01
4368	492863.09	3857377.25	3.69552	1.22237	34.433	3.76491	6.04E-01	9.48E-01	6.68E+00	2.77E-01	8.51E+00	5.95E-01	4.11E-05	7.32E-02	8.10E-03	6.77E-01	7.23E-01	9.48E-01	6.68E+00	2.77E-01	8.63E+00
4369	493363.09	3857377.25	2.49199	0.92912	20.808	2.54352	4.08E-01	7.21E-01	4.03E+00	1.87E-01	5.35E+00	4.02E-01	3.12E-05	4.42E-02	5.48E-03	4.51E-01	4.88E-01	7.21E-01	4.03E+00	1.87E-01	5.43E+00
4370	493863.09	3857377.25	2.27057	0.91923	17.75	2.4179	3.71E-01	7.13E-01	3.44E+00	1.78E-01	4.70E+00	3.66E-01	3.09E-05	3.77E-02	5.21E-03	4.09E-01	4.44E-01	7.13E-01	3.44E+00	1.78E-01	4.78E+00
4371	494363.09	3857377.25	1.94553	0.88375	17.22	2.34833	3.18E-01	6.86E-01	3.34E+00	1.73E-01	4.52E+00	3.13E-01	2.97E-05	3.66E-02	5.06E-03	3.55E-01	3.81E-01	6.86E-01	3.34E+00	1.73E-01	4.58E+00
4372	494863.09	3857377.25	1.78984	0.89585	15.786	2.36333	2.93E-01	6.95E-01	3.06E+00	1.74E-01	4.22E+00	2.88E-01	3.01E-05	3.36E-02	5.09E-03	3.27E-01	3.50E-01	6.95E-01	3.06E+00	1.74E-01	4.28E+00
4373	495363.09	3857377.25	1.48058	0.89732	15.207	2.3338	2.42E-01	6.96E-01	2.95E+00	1.72E-01	4.06E+00	2.39E-01	3.01E-05	3.23E-02	5.02E-03	2.76E-01	2.90E-01	6.96E-01	2.95E+00	1.72E-01	4.11E+00
4374	495863.09	3857377.25	1.38183	0.88973	14.513	2.29185	2.26E-01	6.90E-01	2.81E+00	1.69E-01	3.90E+00	2.23E-01	2.99E-05	3.09E-02	4.93E-03	2.58E-01	2.70E-01	6.90E-01	2.81E+00	1.69E-01	3.94E+00
4375	496363.09	3857377.25	1.51301	0.87604	13.853	2.24654	2.47E-01	6.80E-01	2.69E+00	1.65E-01	3.78E+00	2.44E-01	2.94E-05	2.95E-02	4.84E-03	2.78E-01	2.96E-01	6.80E-01	2.69E+00	1.65E-01	3.83E+00
4376	496863.09	3857377.25	1.5752	0.85982	13.223	2.2234	2.58E-01	6.67E-01	2.56E+00	1.64E-01	3.65E+00	2.54E-01	2.89E-05	2.81E-02	4.79E-03	2.87E-01	3.08E-01	6.67E-01	2.56E+00	1.64E-01	3.70E+00
4377	497363.09	3857377.25	1.54646	0.84897	13.638	2.27235	2.53E-01	6.59E-01	2.64E+00	1.67E-01	3.72E+00	2.49E-01	2.85E-05	2.90E-02	4.89E-03	2.83E-01	3.03E-01	6.59E-01	2.64E+00	1.67E-01	3.77E+00
4378	497863.09	3857377.25	1.74934	0.83467	13.308	2.28974	2.86E-01	6.47E-01	2.58E+00	1.69E-01	3.68E+00	2.82E-01	2.80E-05	2.83E-02	4.93E-03	3.15E-01	3.42E-01	6.47E-01	2.58E+00	1.69E-01	3.74E+00
4379	498363.09	3857377.25	2.18872	0.96276	14.583	2.28597	3.58E-01	7.47E-01	2.83E+00	1.68E-01	4.10E+00	3.53E-01	3.23E-05	3.10E-02	4.92E-03	3.89E-01	4.28E-01	7.47E-01	2.83E+00	1.68E-01	4.17E+00
4380	471363.09	3857877.25	3.77996	1.36031	9.1392	3.47305	6.18E-01	1.06E+00	1.77E+00	2.56E-01	3.70E+00	6.09E-01	4.57E-05	1.94E-02	7.48E-03	6.36E-01	7.40E-01	1.06E+00	1.77E+00	2.56E-01	3.82E+00
4381	471863.09	3857877.25	3.82344	1.31831	9.4229	3.50889	6.25E-01	1.02E+00	1.83E+00	2.58E-01	3.73E+00	6.16E-01	4.43E-05	2.00E-02	7.55E-03	6.44E-01	7.48E-01	1.02E+00	1.83E+00	2.58E-01	3.86E+00
4382	472363.09	3857877.25	3.93399	1.34272	9.7887	3.66814	6.43E-01	1.04E+00	1.90E+00	2.70E-01	3.85E+00	6.34E-01	4.51E-05	2.08E-02	7.90E-03	6.63E-01	7.70E-01	1.04E+00	1.90E+00	2.70E-01	3.98E+00
4383	472863.09	3857877.25	4.17225	1.48196	10.196	3.99028	6.82E-01	1.15E+00	1.98E+00	2.94E-01	4.10E+00	6.72E-01	4.98E-05	2.17E-02	8.59E-03	7.03E-01	8.16E-01	1.15E+00	1.98E+00	2.94E-01	4.24E+00
4384	473363.09	3857877.25	4.27349	1.50725	10.573	4.16771	6.99E-01	1.17E+00	2.05E+00	3.07E-01	4.23E+00	6.89E-01	5.06E-05	2.25E-02	8.97E-03	7.20E-01	8.36E-01	1.17E+00	2.05E+00	3.07E-01	4.36E+00
4385	473863.09	3857877.25	4.5091	1.64581	10.876	4.43227	7.38E-01	1.28E+00	2.11E+00	3.26E-01	4.45E+00	7.27E-01	5.53E-05	2.31E-02	9.54E-03	7.59E-01	8.82E-01	1.28E+00	2.11E+00	3.26E-01	4.59E+00
4386	474363.09	3857877.25	4.01115	1.18414	13.302	6.29203	6.56E-01	9.19E-01	2.58E+00	4.63E-01	4.62E+00	6.46E-01	3.98E-05	2.83E-02	1.35E-02	6.88E-01	7.85E-01	9.19E-01	2.58E+00	4.63E-01	4.75E+00
4387	474863.09	3857877.25	2.55108	0.86296	9.6517	2.76475	4.17E-01	6.69E-01	1.87E+00	2.04E-01	3.16E+00	4.11E-01	2.90E-05	2.05E-02	5.95E-03	4.38E-01	4.99E-01	6.69E-01	1.87E+00	2.04E-01	3.24E+00
4388	475363.09	3857877.25	1.49218	0.7929	6.6338	1.89224	2.44E-01	6.15E-01	1.29E+00	1.39E-01	2.28E+00	2.40E-01	2.66E-05	1.41E-02	4.07E-03	2.59E-01	2.92E-01	6.15E-01	1.29E+00	1.39E-01	2.33E+00

4389	475863.09	3857877.25	1.13865	0.72439	5.8704	1.76598	1.86E-01	5.62E-01	1.14E+00	1.30E-01	2.02E+00	1.83E-01	2.43E-05	1.25E-02	3.80E-03	2.00E-01	2.23E-01	5.62E-01	1.14E+00	1.30E-01	2.05E+00
4390	476363.09	3857877.25	1.63981	0.86311	7.0661	2.12441	2.68E-01	6.70E-01	1.37E+00	1.56E-01	2.46E+00	2.64E-01	2.90E-05	1.50E-02	4.57E-03	2.84E-01	3.21E-01	6.70E-01	1.37E+00	1.56E-01	2.52E+00
4391	476863.09	3857877.25	2.00757	0.90811	8.2527	2.22791	3.28E-01	7.04E-01	1.60E+00	1.64E-01	2.80E+00	3.23E-01	3.05E-05	1.75E-02	4.80E-03	3.46E-01	3.93E-01	7.04E-01	1.60E+00	1.64E-01	2.86E+00
4392	477363.09	3857877.25	2.00951	1.02223	8.565	2.32491	3.29E-01	7.93E-01	1.66E+00	1.71E-01	2.95E+00	3.24E-01	3.43E-05	1.82E-02	5.00E-03	3.47E-01	3.93E-01	7.93E-01	1.66E+00	1.71E-01	3.02E+00
4393	477863.09	3857877.25	1.74878	1.1558	8.5035	2.41515	2.86E-01	8.97E-01	1.65E+00	1.78E-01	3.01E+00	2.82E-01	3.88E-05	1.81E-02	5.20E-03	3.05E-01	3.42E-01	8.97E-01	1.65E+00	1.78E-01	3.07E+00
4394	478363.09	3857877.25	1.57967	1.29934	7.8798	2.44408	2.58E-01	1.01E+00	1.53E+00	1.80E-01	2.97E+00	2.55E-01	4.36E-05	1.68E-02	5.26E-03	2.77E-01	3.09E-01	1.01E+00	1.53E+00	1.80E-01	3.02E+00
4395	478863.09	3857877.25	1.52557	1.30986	7.3576	2.68444	2.50E-01	1.02E+00	1.43E+00	1.98E-01	2.89E+00	2.46E-01	4.40E-05	1.56E-02	5.78E-03	2.67E-01	2.99E-01	1.02E+00	1.43E+00	1.98E-01	2.94E+00
4396	479363.09	3857877.25	3.34174	1.51614	17.451	4.58553	5.47E-01	1.18E+00	3.38E+00	3.38E-01	5.44E+00	5.38E-01	5.09E-05	3.71E-02	9.87E-03	5.85E-01	6.54E-01	1.18E+00	3.38E+00	3.38E-01	5.55E+00
4397	479863.09	3857877.25	6.05121	2.80155	20.985	9.11095	9.90E-01	2.17E+00	4.07E+00	6.71E-01	7.90E+00	9.75E-01	9.41E-05	4.46E-02	1.96E-02	1.04E+00	1.18E+00	2.17E+00	4.07E+00	6.71E-01	8.10E+00
4398	480363.09	3857877.25	7.05681	3.19219	17.208	6.8256	1.15E+00	2.48E+00	3.34E+00	5.03E-01	7.47E+00	1.14E+00	1.07E-04	3.66E-02	1.47E-02	1.19E+00	1.38E+00	2.48E+00	3.34E+00	5.03E-01	7.70E+00
4399	480863.09	3857877.25	7.37404	3.46488	16.411	5.0752	1.21E+00	2.69E+00	3.18E+00	3.74E-01	7.45E+00	1.19E+00	1.16E-04	3.49E-02	1.09E-02	1.23E+00	1.44E+00	2.69E+00	3.18E+00	3.74E-01	7.69E+00
4400	481363.09	3857877.25	7.65996	4.2201	16.564	5.07814	1.25E+00	3.27E+00	3.21E+00	3.74E-01	8.11E+00	1.23E+00	1.42E-04	3.52E-02	1.09E-02	1.28E+00	1.50E+00	3.27E+00	3.21E+00	3.74E-01	8.36E+00
4401	481863.09	3857877.25	8.12932	4.6951	15.667	5.22686	1.33E+00	3.64E+00	3.04E+00	3.85E-01	8.39E+00	1.31E+00	1.58E-04	3.33E-02	1.13E-02	1.35E+00	1.59E+00	3.64E+00	3.04E+00	3.85E-01	8.66E+00
4402	482363.09	3857877.25	8.55014	5.98173	14.081	5.5342	1.40E+00	4.64E+00	2.73E+00	4.07E-01	9.18E+00	1.38E+00	2.01E-04	2.99E-02	1.19E-02	1.42E+00	1.67E+00	4.64E+00	2.73E+00	4.07E-01	9.45E+00
4403	482863.09	3857877.25	8.31107	7.31427	14.933	8.77842	1.36E+00	5.67E+00	2.90E+00	6.46E-01	1.06E+01	1.34E+00	2.46E-04	3.18E-02	1.89E-02	1.39E+00	1.63E+00	5.67E+00	2.90E+00	6.46E-01	1.08E+01
4404	483363.09	3857877.25	8.752	7.8385	15.917	10.74624	1.43E+00	6.08E+00	3.09E+00	7.91E-01	1.14E+01	1.41E+00	2.63E-04	3.38E-02	2.31E-02	1.47E+00	1.71E+00	6.08E+00	3.09E+00	7.91E-01	1.17E+01
4405	483863.09	3857877.25	9.28502	9.5535	17.125	6.07354	1.52E+00	7.41E+00	3.32E+00	4.47E-01	1.27E+01	1.50E+00	3.21E-04	3.64E-02	1.31E-02	1.55E+00	1.82E+00	7.41E+00	3.32E+00	4.47E-01	1.30E+01
4406	484363.09	3857877.25	9.83909	13.8304	18.501	6.823	1.61E+00	1.07E+01	3.59E+00	5.02E-01	1.64E+01	1.59E+00	4.65E-04	3.93E-02	1.47E-02	1.64E+00	1.93E+00	1.07E+01	3.59E+00	5.02E-01	1.67E+01
4407	484863.09	3857877.25	10.7587	16.443	20.148	3.64139	1.76E+00	1.28E+01	3.91E+00	2.68E-01	1.87E+01	1.73E+00	5.52E-04	4.28E-02	7.84E-03	1.78E+00	2.11E+00	1.28E+01	3.91E+00	2.68E-01	1.90E+01
4408	485363.09	3857877.25	11.9619	17.7609	22.118	5.09123	1.96E+00	1.38E+01	4.29E+00	3.75E-01	2.04E+01	1.93E+00	5.97E-04	4.70E-02	1.10E-02	1.99E+00	2.34E+00	1.38E+01	4.29E+00	3.75E-01	2.08E+01
4409	485863.09	3857877.25	14.5703	24.178	25.056	5.01408	2.38E+00	1.88E+01	4.86E+00	3.69E-01	2.64E+01	2.35E+00	8.12E-04	5.33E-02	1.08E-02	2.41E+00	2.85E+00	1.88E+01	4.86E+00	3.69E-01	2.68E+01
4410	486363.09	3857877.25	19.2695	36.6801	29.308	6.82648	3.15E+00	2.85E+01	5.68E+00	5.03E-01	3.78E+01	3.10E+00	1.23E-03	6.23E-02	1.47E-02	3.18E+00	3.77E+00	2.85E+01	5.68E+00	5.03E-01	3.84E+01
4411	486863.09	3857877.25	22.9073	15.3546	33.33	5.55742	3.75E+00	1.19E+01	6.46E+00	4.09E-01	2.25E+01	3.69E+00	5.16E-04	7.09E-02	1.20E-02	3.77E+00	4.48E+00	1.19E+01	6.46E+00	4.09E-01	2.33E+01
4412	487363.09	3857877.25	28.7029	10.5986	56.038	6.97998	4.69E+00	8.22E+00	1.09E+01	5.14E-01	2.43E+01	4.62E+00	3.56E-04	1.19E-01	1.50E-02	4.76E+00	5.62E+00	8.22E+00	1.09E+01	5.14E-01	2.52E+01
4413	487863.09	3857877.25	30.8056	9.26933	97.687	5.20296	5.04E+00	7.19E+00	1.89E+01	3.83E-01	3.16E+01	4.96E+00	3.11E-04	2.08E-01	1.12E-02	5.18E+00	6.03E+00	7.19E+00	1.89E+01	3.83E-01	3.25E+01
4414	488363.09	3857877.25	26.6935	10.1058	119.62	5.71071	4.37E+00	7.84E+00	2.32E+01	4.20E-01	3.58E+01	4.30E+00	3.39E-04	2.54E-01	1.23E-02	4.57E+00	5.22E+00	7.84E+00	2.32E+01	4.20E-01	3.67E+01
4415	488863.09	3857877.25	25.47	10.0976	86.443	7.05423	4.17E+00	7.83E+00	1.68E+01	5.19E-01	2.93E+01	4.10E+00	3.39E-04	1.84E-01	1.52E-02	4.30E+00	4.98E+00	7.83E+00	1.68E+01	5.19E-01	3.01E+01
4416	489363.09	3857877.25	23.0886	8.11279	58.523	6.42421	3.78E+00	6.29E+00	1.13E+01	4.73E-01	2.19E+01	3.72E+00	2.73E-04	1.24E-01	1.38E-02	3.86E+00	4.52E+00	6.29E+00	1.13E+01	4.73E-01	2.26E+01
4417	489863.09	3857877.25	19.5962	6.24901	46.464	3.93764	3.21E+00	4.85E+00	9.01E+00	2.90E-01	1.74E+01	3.16E+00	2.10E-04	9.88E-02	8.48E-03	3.27E+00	3.83E+00	4.85E+00	9.01E+00	2.90E-01	1.80E+01
4418	490363.09	3857877.25	16.5734	4.81485	40.896	4.11839	2.71E+00	3.73E+00	7.93E+00	3.03E-01	1.47E+01	2.67E+00	1.62E-04	8.70E-02	8.87E-03	2.77E+00	3.24E+00	3.74E+00	7.93E+00	3.03E-01	1.52E+01
4419	490863.09	3857877.25	14.618	4.45778	37.57	3.73897	2.39E+00	3.46E+00	7.29E+00	2.75E-01	1.34E+01	2.36E+00	1.50E-04	7.99E-02	8.05E-03	2.44E+00	2.86E+00	3.46E+00	7.29E+00	2.75E-01	1.39E+01
4420	491363.09	3857877.25	13.277	3.11516	39.475	5.95601	2.17E+00	2.42E+00	7.65E+00	4.39E-01	1.27E+01	2.14E+00	1.05E-04	8.39E-02	1.28E-02	2.24E+00	2.60E+00	2.42E+00	7.65E+00	4.39E-01	1.31E+01
4421	491863.09	3857877.25	11.8169	2.21449	51.462	9.18542	1.93E+00	1.72E+00	9.98E+00	6.76E-01	1.43E+01	1.90E+00	7.44E-05	1.09E-01	1.98E-02	2.03E+00	2.31E+00	1.72E+00	9.98E+00	6.76E-01	1.47E+01
4422	492363.09	3857877.25	6.38384	1.60824	50.759	5.78773	1.04E+00	1.25E+00	9.84E+00	4.26E-01	1.26E+01	1.03E+00	5.40E-05	1.08E-01	1.25E-02	1.15E+00	1.25E+00	1.25E+00	9.84E+00	4.26E-01	1.28E+01
4423	492863.09	3857877.25	3.54053	1.18583	25.711	3.03721	5.79E-01	9.20E-01	4.99E+00	2.24E-01	6.71E+00	5.70E-01	3.98E-05	5.47E-02	6.54E-03	6.32E-01	6.93E-01	9.20E-01	4.99E+00	2.24E-01	6.82E+00
4424	493363.09	3857877.25	2.73212	1.09968	22.801	2.58885	4.47E-01	8.53E-01	4.42E+00	1.91E-01	5.91E+00	4.40E-01	3.69E-05	4.85E-02	5.57E-03	4.94E-01	5.35E-01	8.53E-01	4.42E+00	1.91E-01	6.00E+00
4425	493863.09	3857877.25	2.34403	1.10072	21.221	2.61925	3.83E-01	8.54E-01	4.11E+00	1.93E-01	5.54E+00	3.78E-01	3.70E-05	4.51E-02	5.64E-03	4.28E-01	4.59E-01	8.54E-01	4.11E+00	1.93E-01	5.62E+00
4426	494363.09	3857877.25	2.33264	1.09597	19.871	2.67893	3.82E-01	8.50E-01	3.85E+00	1.97E-01	5.28E+00	3.76E-01	3.68E-05	4.23E-02	5.77E-03	4.24E-01	4.56E-01	8.50E-01	3.85E+00	1.97E-01	5.36E+00
4427	494863.09	3857877.25	1.97074	0.97699	16.68	2.59811	3.22E-01	7.58E-01	3.23E+00	1.91E-01	4.51E+00	3.18E-01	3.28E-05	3.55E-02	5.59E-03	3.59E-01	3.86E-01	7.58E-01	3.23E+00	1.91E-01	4.57E+00
4428	495363.09	3857877.25	1.85138	0.96821	15.573	2.47273	3.03E-01	7.51E-01	3.02E+00	1.82E-01	4.26E+00	2.98E-01	3.25E-05	3.31E-02	5.32E-03	3.37E-01	3.62E-01	7.51E-01	3.02E+00	1.82E-01	4.32E+00
4429	495863.09	3857877.25	1.84306	0.96229	14.744	2.42898	3.01E-01	7.46E-01	2.86E+00	1.79E-01	4.09E+00	2.97E-01	3.23E-05	3.13E-02	5.23E-03	3.34E-01	3.61E-01	7.46E-01	2.86E+00	1.79E-01	4.14E+00
4430	496363.09	3857877.25	2.0341	0.95787	14.168	2.50514	3.33E-01	7.43E-01	2.75E+00	1.84E-01	4.01E+00	3.28E-01	3.22E-05	3.01E-02	5.39E-03	3.63E-01	3.98E-01	7.43E-01	2.75E+00	1.84E-01	4.07E+00
4431	496863.09	3857877.25	2.01447	0.95238	13.561	2.44027	3.29E-01	7.39E-01	2.63E+00	1.80E-01	3.88E+00	3.25E-01	3.20E-05	2.88E-02	5.25E-03	3.59E-01	3.94E-01	7.39E-01	2.63E+00	1.80E-01	3.94E+00
4432	497363.09	3857877.25	1.97575	1.06396	13.032	2.34238	3.23E-01	8.25E-01	2.53E+00	1.72E-01	3.85E+00	3.18E-01	3.57E-05	2.77E-02	5.04E-03	3.51E-01	3.87E-01	8.25E-01	2.53E+00	1.72E-01	3.91E+00
4433	497863.09	3857877.25	2.08387	1.06865	14.02	2.27767	3.41E-01	8.29E-01	2.72E+00	1.68E-01	4.06E+00	3.36E-01	3.59E-05	2.98E-02	4.90E-03	3.71E-01	4.08E-01	8.29E-01	2.72E+00	1.68E-01	4.12E+00
4434	498363.09	3857877.25	2.43246	1.19281	14.569	2.28328	3.98E-01	9.25E-01	2.82E+00	1.68E-01	4.32E+00	3.92E-01	4.01E-05	3.10E-02	4.92E-03	4.28E-01	4.76E-01	9.25E-01	2.82E+00	1.68E-01	4.39E+00
4435	471363.09	3858377.25	3.82316	1.42162	6.5766	3.71483	6.25E-01	1.10E+00	1.28E+00	2.74E-01	3.28E+00	6.16E-01	4.78E-05	1.40E-02	8.00E-03	6.38E-01	7.48E-01	1.10E+00	1.28E+00	2.74E-01	3.40E+00
4436	471863.09	3858377.25	3.85385	1.40363	6.7715	3.86351	6.30E-01	1.09E+00	1.31E+00	2.84E-01	3.32E+00	6.21E-01	4.72E-05	1.44E-02	8.32E-03	6.44E-01	7.54E-01	1.09E+00	1.31E+00	2.84E-01	3.44E+00
4437	472363.09	3858377.25	3.86139	1.3952	6.9791	3.9872	6.32E-01	1.08E+00	1.35E+00	2.94E-01	3.36E+00	6.22E-01	4.69E-05	1.48E-02	8.58E-03	6.46E-01	7.56E-01	1.08E+00	1.35E+00	2.94E-01	3.48E+00
4438	472863.09	3858377.25	3.94358	1.47219	7.2247	4.13134	6.45E-01	1.14E+00	1.40E+00	3.04E-01	3.49E+00	6.35E-01	4.95E-05	1.54E-02	8.89E-03	6.60E-01	7.72E-01	1.14E+00	1.40E+00	3.04E-01	3.62E+00
4439	473363.09	3858377.25	4.1712	1.7673	7.5321	4.18507	6.82E-01	1.37E+00	1.46E+00	3.08E-01	3.82E+00	6.72E-01	5.94E-05	1.60E-02	9.01E-03	6.97E-01	8.16E-01	1.37E+00	1.46E+00	3.08E-01	3.96E+00
4440	473863.09	3858377.25	4.09715	1.60536	7.7448	4.39247	6.70E-01	1.25E+00	1.50E+00	3.23E-01	3.74E+00	6.60E-01	5.39E-05	1.65E-02	9.46E-03	6.86E-01	8.02E-01	1.25E+00	1.50E+00	3.23E-01	3.87E+00
4441	474363.09	3858377.25	3.68574	1.16808	7.874	3.68645	6.03E-01	9.06E-01	1.53E+00	2.71E-01	3.31E+00	5.94E-01	3.92E-05	1.67E-02	7.94E-03	6.19E-01	7.21E-01	9.06E-01	1.53E+00	2.71E-01	3.43E+00
4442	474863.09	3858377.25	2.66784	0.92772	7.9067	2.91934	4.36E-01	7.20E-01	1.53E+00	2.15E-01	2.90E+00	4.30E-01	3.12E-05	1.68E-02	6.28E-03	4.53E-01	5.22E-01	7.20E-01	1.53E+00	2.15E-01	2.99E+00
4443	475363.09	3858377.25	1.98126	0.74849	8.0665	2.19259	3.24E-01	5.81E-01	1.56E+00	1.61E-01	2.63E+00	3.19E-01	2.51E-05	1.72E-02	4.72E-03	3.41E-01	3.88E-01	5.81E-01	1.56E+00	1.61E-01	2.69E+00
4444	475863.09	3858377.25	1.61414	0.76898	8.2823	2.11963	2.64E-01	5.96E-01	1.61E+00	1.56E-01	2.62E+00	2.60E-01	2.58E-05	1.76E-02	4.56E-03	2.82E-01	3.16E-01	5.97E-01	1.61E+00	1.56E-01	2.67E+00
4445	476363.09	3858377.25	1.67255	0.81912	8.549	2.15335	2.74E-01	6.35E-01	1.66E+00	1.59E-01	2.73E+00	2.70E-01	2.75E-05	1.82E-02	4.64E-03	2.92E-01	3.27E-01	6.35E-01	1.66E+00	1.59E-01	2.78E+00
4446	476863.09	3858377.25	1.68713	0.87248	8.8269	2.17805	2.76E-01	6.77E-01	1.71E+00	1.60E-01	2.82E+00	2.72E-01	2.93E-05	1.88E-02	4.69E-03	2.95E-01	3.30E-01	6.77E-01	1.71E+00	1.60E-01	2.88E+00
4447	477363.09	3858377.25	1.66661	0.92471	9.1083	2.18231	2.73E-01	7.17E-01	1.77E+00	1.61E-01	2.92E+00	2.69E-01	3.11E-05	1.94E-02	4.70E-03	2.93E-01	3.26E-01	7.17E-01	1.77E+00	1.61E-01	2.97E+00
4448	477863.09	3858377.25	2.17882	0.97301	9.4428	2.21374	3.56E-01	7.55E-01	1.83E+00	1.63E-01	3.11E+00	3.51E-01	3.27E-05	2.01E-02	4.77E-03	3.76E-01	4.26E-01	7.55E-01	1.83E+00	1.63E-01	3.18E+00
4449	478363.09	3858377.25	2.25069	1.01015	9.7685	2.3077	3.68E-01	7.84E-01	1.89E+00	1.70E-01	3.22E+00	3.63E-01	3.39E-05	2.08E-02	4.97E-03	3.88E-01	4.40E-01	7.84E-01	1.89E+00	1.70E-01	3.29E+00

4450	478863.09	3858377.25	1.74103	1.03481	10.048	2.33686	2.85E-01	8.03E-01	1.95E+00	1.72E-01	3.21E+00	2.81E-01	3.48E-05	2.14E-02	5.03E-03	3.07E-01	3.41E-01	8.03E-01	1.95E+00	1.72E-01	3.26E+00
4451	479363.09	3858377.25	3.59257	1.27914	14.943	5.12615	5.88E-01	9.92E-01	2.90E+00	3.77E-01	4.85E+00	5.79E-01	4.30E-05	3.18E-02	1.10E-02	6.22E-01	7.03E-01	9.92E-01	2.90E+00	3.77E-01	4.97E+00
4452	479863.09	3858377.25	6.00292	2.50838	16.68	8.5977	9.82E-01	1.95E+00	3.23E+00	6.33E-01	6.80E+00	9.67E-01	8.43E-05	3.55E-02	1.85E-02	1.02E+00	1.17E+00	1.95E+00	3.23E+00	6.33E-01	6.99E+00
4453	480363.09	3858377.25	6.51314	3.45137	15.542	5.59628	1.07E+00	2.68E+00	3.01E+00	4.12E-01	7.17E+00	1.05E+00	1.16E-04	3.30E-02	1.20E-02	1.09E+00	1.27E+00	2.68E+00	3.01E+00	4.12E-01	7.38E+00
4454	480863.09	3858377.25	6.73913	3.69153	15.95	4.3142	1.10E+00	2.86E+00	3.09E+00	3.18E-01	7.38E+00	1.09E+00	1.24E-04	3.39E-02	9.29E-03	1.13E+00	1.32E+00	2.86E+00	3.09E+00	3.18E-01	7.59E+00
4455	481363.09	3858377.25	7.12805	4.02232	16.375	4.397	1.17E+00	3.12E+00	3.18E+00	3.24E-01	7.78E+00	1.15E+00	1.35E-04	3.48E-02	9.47E-03	1.19E+00	1.39E+00	3.12E+00	3.18E+00	3.24E-01	8.01E+00
4456	481863.09	3858377.25	7.47078	4.12224	17.794	5.1249	1.22E+00	3.20E+00	3.45E+00	3.77E-01	8.25E+00	1.20E+00	1.38E-04	3.78E-02	1.10E-02	1.25E+00	1.46E+00	3.20E+00	3.45E+00	3.77E-01	8.49E+00
4457	482363.09	3858377.25	7.96529	4.5884	17.698	6.60177	1.30E+00	3.56E+00	3.43E+00	4.86E-01	8.78E+00	1.28E+00	1.54E-04	3.76E-02	1.42E-02	1.34E+00	1.56E+00	3.56E+00	3.43E+00	4.86E-01	9.04E+00
4458	482863.09	3858377.25	8.29291	6.23844	15.705	7.97831	1.36E+00	4.84E+00	3.05E+00	5.87E-01	9.83E+00	1.34E+00	2.10E-04	3.34E-02	1.72E-02	1.39E+00	1.62E+00	4.84E+00	3.05E+00	5.87E-01	1.01E+01
4459	483363.09	3858377.25	8.18012	8.06004	16.414	4.66406	1.34E+00	6.25E+00	3.18E+00	3.43E-01	1.11E+01	1.32E+00	2.71E-04	3.49E-02	1.00E-02	1.36E+00	1.60E+00	6.25E+00	3.18E+00	3.43E-01	1.14E+01
4460	483863.09	3858377.25	8.29676	9.11	16.5	4.13047	1.36E+00	7.07E+00	3.20E+00	3.04E-01	1.19E+01	1.34E+00	3.06E-04	3.51E-02	8.89E-03	1.38E+00	1.62E+00	7.07E+00	3.20E+00	3.04E-01	1.22E+01
4461	484363.09	3858377.25	8.73224	10.2275	18.107	4.76837	1.43E+00	7.93E+00	3.51E+00	3.51E-01	1.32E+01	1.41E+00	3.44E-04	3.85E-02	1.03E-02	1.46E+00	1.71E+00	7.93E+00	3.51E+00	3.51E-01	1.35E+01
4462	484863.09	3858377.25	9.56947	13.6614	20.316	3.89391	1.57E+00	1.06E+01	3.94E+00	2.87E-01	1.64E+01	1.54E+00	4.59E-04	4.32E-02	8.38E-03	1.59E+00	1.87E+00	1.06E+01	3.94E+00	2.87E-01	1.67E+01
4463	485363.09	3858377.25	10.4024	15.3657	23.121	4.35163	1.70E+00	1.19E+01	4.48E+00	3.20E-01	1.84E+01	1.68E+00	5.16E-04	4.92E-02	9.37E-03	1.74E+00	2.04E+00	1.19E+01	4.48E+00	3.20E-01	1.88E+01
4464	485863.09	3858377.25	12.1324	21.5904	26.913	5.91962	1.98E+00	1.67E+01	5.22E+00	4.36E-01	2.44E+01	1.95E+00	7.25E-04	5.72E-02	1.27E-02	2.03E+00	2.37E+00	1.67E+01	5.22E+00	4.36E-01	2.48E+01
4465	486363.09	3858377.25	14.6758	33.4504	29.364	15.98191	2.40E+00	2.59E+01	5.69E+00	1.18E+00	3.52E+01	2.36E+00	1.12E-03	6.24E-02	3.44E-02	2.46E+00	2.87E+00	2.59E+01	5.69E+00	1.18E+00	3.57E+01
4466	486863.09	3858377.25	19.4615	33.6145	34.293	9.10502	3.18E+00	2.61E+01	6.65E+00	6.70E-01	3.66E+01	3.14E+00	1.13E-03	7.29E-02	1.96E-02	3.23E+00	3.81E+00	2.61E+01	6.65E+00	6.70E-01	3.72E+01
4467	487363.09	3858377.25	22.4107	18.6399	35.488	5.93366	3.67E+00	1.45E+01	6.88E+00	4.37E-01	2.54E+01	3.61E+00	6.26E-04	7.55E-02	1.28E-02	3.70E+00	4.39E+00	1.45E+01	6.88E+00	4.37E-01	2.62E+01
4468	487863.09	3858377.25	20.9119	13.9719	34.402	10.03899	3.42E+00	1.08E+01	6.67E+00	7.39E-01	2.17E+01	3.37E+00	4.69E-04	7.31E-02	2.16E-02	3.46E+00	4.09E+00	1.08E+01	6.67E+00	7.39E-01	2.23E+01
4469	488363.09	3858377.25	20.7651	15.1947	83.007	6.40138	3.40E+00	1.18E+01	1.61E+01	4.71E-01	3.17E+01	3.35E+00	5.10E-04	1.76E-01	1.38E-02	3.54E+00	4.06E+00	1.18E+01	1.61E+01	4.71E-01	3.24E+01
4470	488863.09	3858377.25	22.6457	12.7937	84.519	6.21976	3.70E+00	9.92E+00	1.64E+01	4.58E-01	3.05E+01	3.65E+00	4.30E-04	1.80E-01	1.34E-02	3.84E+00	4.43E+00	9.92E+00	1.64E+01	4.58E-01	3.12E+01
4471	489363.09	3858377.25	22.0058	9.83986	49.789	5.55566	3.60E+00	7.63E+00	9.65E+00	4.09E-01	2.13E+01	3.55E+00	3.31E-04	1.06E-01	1.20E-02	3.66E+00	4.31E+00	7.63E+00	9.65E+00	4.09E-01	2.20E+01
4472	489863.09	3858377.25	17.6966	7.44869	42.885	4.57944	2.89E+00	5.78E+00	8.32E+00	3.37E-01	1.73E+01	2.85E+00	2.50E-04	9.12E-02	9.86E-03	2.95E+00	3.46E+00	5.78E+00	8.32E+00	3.37E-01	1.79E+01
4473	490363.09	3858377.25	16.585	6.33606	36.294	3.92257	2.71E+00	4.91E+00	7.04E+00	2.89E-01	1.50E+01	2.67E+00	2.13E-04	7.72E-02	8.44E-03	2.76E+00	3.25E+00	4.92E+00	7.04E+00	2.89E-01	1.55E+01
4474	490863.09	3858377.25	15.0426	5.30516	32.885	3.98103	2.46E+00	4.12E+00	6.38E+00	2.93E-01	1.32E+01	2.42E+00	1.78E-04	6.99E-02	8.57E-03	2.50E+00	2.94E+00	4.12E+00	6.38E+00	2.93E-01	1.37E+01
4475	491363.09	3858377.25	14.5639	3.69355	36.267	6.1787	2.38E+00	2.87E+00	7.03E+00	4.55E-01	1.27E+01	2.35E+00	1.24E-04	7.71E-02	1.33E-02	2.44E+00	2.85E+00	2.87E+00	7.03E+00	4.55E-01	1.32E+01
4476	491863.09	3858377.25	11.7198	2.12778	81.445	9.99271	1.92E+00	1.65E+00	1.58E+01	7.36E-01	2.01E+01	1.89E+00	7.15E-05	1.73E-01	2.15E-02	2.08E+00	2.29E+00	1.65E+00	1.58E+01	7.36E-01	2.05E+01
4477	492363.09	3858377.25	3.77603	1.57961	43.285	3.07536	6.18E-01	1.23E+00	8.39E+00	2.26E-01	1.05E+01	6.08E-01	5.31E-05	9.20E-02	6.62E-03	7.07E-01	7.39E-01	1.23E+00	8.39E+00	2.26E-01	1.06E+01
4478	492863.09	3858377.25	5.18799	1.69533	61.166	3.98139	8.49E-01	1.32E+00	1.19E+01	2.93E-01	1.43E+01	8.36E-01	5.69E-05	1.30E-01	8.57E-03	9.75E-01	1.02E+00	1.32E+00	1.19E+01	2.93E-01	1.45E+01
4479	493363.09	3858377.25	3.23948	1.57703	30.165	3.03614	5.30E-01	1.22E+00	5.85E+00	2.24E-01	7.83E+00	5.22E-01	5.30E-05	6.41E-02	6.54E-03	5.93E-01	6.34E-01	1.22E+00	5.85E+00	2.24E-01	7.93E+00
4480	493863.09	3858377.25	3.13955	1.50347	23.435	3.02618	5.14E-01	1.17E+00	4.54E+00	2.23E-01	6.45E+00	5.06E-01	5.05E-05	4.98E-02	6.51E-03	5.62E-01	6.14E-01	1.17E+00	4.54E+00	2.23E-01	6.55E+00
4481	494363.09	3858377.25	3.14142	1.51878	20.807	2.94066	5.14E-01	1.18E+00	4.03E+00	2.17E-01	5.94E+00	5.06E-01	5.10E-05	4.42E-02	6.33E-03	5.57E-01	6.15E-01	1.18E+00	4.03E+00	2.17E-01	6.04E+00
4482	494863.09	3858377.25	2.58074	1.53396	18.697	2.89701	4.22E-01	1.19E+00	3.63E+00	2.13E-01	5.45E+00	4.16E-01	5.15E-05	3.98E-02	6.24E-03	4.62E-01	5.05E-01	1.19E+00	3.63E+00	2.13E-01	5.53E+00
4483	495363.09	3858377.25	2.14689	1.34209	15.774	2.60453	3.51E-01	1.04E+00	3.06E+00	1.92E-01	4.64E+00	3.46E-01	4.51E-05	3.35E-02	5.61E-03	3.85E-01	4.20E-01	1.04E+00	3.06E+00	1.92E-01	4.71E+00
4484	495863.09	3858377.25	2.21391	1.32938	14.943	2.50242	3.62E-01	1.03E+00	2.90E+00	1.84E-01	4.48E+00	3.57E-01	4.47E-05	3.18E-02	5.39E-03	3.94E-01	4.33E-01	1.03E+00	2.90E+00	1.84E-01	4.55E+00
4485	496363.09	3858377.25	2.23837	1.31402	14.347	2.39096	3.66E-01	1.02E+00	2.78E+00	1.76E-01	4.34E+00	3.61E-01	4.41E-05	3.05E-02	5.15E-03	3.96E-01	4.38E-01	1.02E+00	2.78E+00	1.76E-01	4.42E+00
4486	496863.09	3858377.25	2.60003	1.40235	13.952	2.51095	4.25E-01	1.09E+00	2.71E+00	1.85E-01	4.40E+00	4.19E-01	4.71E-05	2.97E-02	5.41E-03	4.54E-01	5.09E-01	1.09E+00	2.71E+00	1.85E-01	4.49E+00
4487	497363.09	3858377.25	2.54276	1.55338	14.745	2.50486	4.16E-01	1.20E+00	2.86E+00	1.84E-01	4.66E+00	4.10E-01	5.22E-05	3.14E-02	5.39E-03	4.47E-01	4.98E-01	1.21E+00	2.86E+00	1.84E-01	4.75E+00
4488	497863.09	3858377.25	3.19323	1.54961	16.549	2.58369	5.22E-01	1.20E+00	3.21E+00	1.90E-01	5.12E+00	5.15E-01	5.21E-05	3.52E-02	5.56E-03	5.55E-01	6.25E-01	1.20E+00	3.21E+00	1.90E-01	5.23E+00
4489	498363.09	3858377.25	3.90698	1.68599	21.232	2.93004	6.39E-01	1.31E+00	4.12E+00	2.16E-01	6.28E+00	6.30E-01	5.66E-05	4.51E-02	6.31E-03	6.81E-01	7.65E-01	1.31E+00	4.12E+00	2.16E-01	6.41E+00
4490	471363.09	3858877.25	3.5149	1.4061	8.9194	3.80446	5.75E-01	1.09E+00	1.73E+00	2.80E-01	3.68E+00	5.66E-01	4.72E-05	1.90E-02	8.19E-03	5.94E-01	6.88E-01	1.09E+00	1.73E+00	2.80E-01	3.79E+00
4491	471863.09	3858877.25	3.57234	1.35767	9.4846	3.78962	5.84E-01	1.05E+00	1.84E+00	2.79E-01	3.76E+00	5.76E-01	4.56E-05	2.02E-02	8.16E-03	6.04E-01	6.99E-01	1.05E+00	1.84E+00	2.79E-01	3.87E+00
4492	472363.09	3858877.25	3.87028	1.47244	10.173	3.73788	6.33E-01	1.14E+00	1.97E+00	2.75E-01	4.02E+00	6.24E-01	4.95E-05	2.16E-02	8.05E-03	6.53E-01	7.57E-01	1.14E+00	1.97E+00	2.75E-01	4.15E+00
4493	472863.09	3858877.25	4.10292	1.54456	10.878	3.63829	6.71E-01	1.20E+00	2.11E+00	2.68E-01	4.25E+00	6.61E-01	5.19E-05	2.31E-02	7.83E-03	6.92E-01	8.03E-01	1.20E+00	2.11E+00	2.68E-01	4.38E+00
4494	473363.09	3858877.25	4.34707	1.76769	11.345	3.42979	7.11E-01	1.37E+00	2.20E+00	2.53E-01	4.53E+00	7.00E-01	5.94E-05	2.41E-02	7.38E-03	7.32E-01	8.51E-01	1.37E+00	2.20E+00	2.53E-01	4.67E+00
4495	473863.09	3858877.25	4.35125	1.614	12.471	3.40176	7.12E-01	1.25E+00	2.42E+00	2.50E-01	4.63E+00	7.01E-01	5.42E-05	2.65E-02	7.32E-03	7.35E-01	8.51E-01	1.25E+00	2.42E+00	2.50E-01	4.77E+00
4496	474363.09	3858877.25	3.99391	1.1542	15.872	4.0779	6.53E-01	8.95E-01	3.08E+00	3.00E-01	4.93E+00	6.44E-01	3.88E-05	3.37E-02	8.78E-03	6.86E-01	7.82E-01	8.95E-01	3.08E+00	3.00E-01	5.05E+00
4497	474863.09	3858877.25	1.93223	0.76972	6.865	2.05914	3.16E-01	5.97E-01	1.33E+00	1.52E-01	2.40E+00	3.11E-01	2.59E-05	1.46E-02	4.43E-03	3.30E-01	3.78E-01	5.97E-01	1.33E+00	1.52E-01	2.46E+00
4498	475363.09	3858877.25	1.61666	0.77435	6.9479	1.97783	2.64E-01	6.01E-01	1.35E+00	1.46E-01	2.36E+00	2.60E-01	2.60E-05	1.48E-02	4.26E-03	2.80E-01	3.16E-01	6.01E-01	1.35E+00	1.46E-01	2.41E+00
4499	475863.09	3858877.25	1.61294	0.80213	7.0579	2.0243	2.64E-01	6.22E-01	1.37E+00	1.49E-01	2.40E+00	2.60E-01	2.69E-05	1.50E-02	4.36E-03	2.79E-01	3.16E-01	6.22E-01	1.37E+00	1.49E-01	2.46E+00
4500	476363.09	3858877.25	1.49882	0.74733	6.0054	2.03155	2.45E-01	5.80E-01	1.16E+00	1.50E-01	2.14E+00	2.42E-01	2.51E-05	1.28E-02	4.37E-03	2.59E-01	2.93E-01	5.80E-01	1.16E+00	1.50E-01	2.19E+00
4501	476863.09	3858877.25	1.5936	0.79605	7.2002	2.07764	2.61E-01	6.17E-01	1.40E+00	1.53E-01	2.43E+00	2.57E-01	2.67E-05	1.53E-02	4.47E-03	2.77E-01	3.12E-01	6.18E-01	1.40E+00	1.53E-01	2.48E+00
4502	477363.09	3858877.25	1.64591	0.80209	7.2786	2.12371	2.69E-01	6.22E-01	1.41E+00	1.56E-01	2.46E+00	2.65E-01	2.69E-05	1.55E-02	4.57E-03	2.85E-01	3.22E-01	6.22E-01	1.41E+00	1.56E-01	2.51E+00
4503	477863.09	3858877.25	1.73726	0.82221	7.3636	2.15751	2.84E-01	6.38E-01	1.43E+00	1.59E-01	2.51E+00	2.80E-01	2.76E-05	1.57E-02	4.64E-03	3.00E-01	3.40E-01	6.38E-01	1.43E+00	1.59E-01	2.56E+00
4504	478363.09	3858877.25	2.31111	0.94109	16.843	2.80003	3.78E-01	7.30E-01	3.27E+00	2.06E-01	4.58E+00	3.72E-01	3.16E-05	3.58E-02	6.03E-03	4.14E-01	4.52E-01	7.30E-01	3.27E+00	2.06E-01	4.65E+00
4505	478863.09	3858877.25	2.20285	0.93952	11.469	2.66619	3.60E-01	7.29E-01	2.22E+00	1.96E-01	3.51E+00	3.55E-01	3.16E-05	2.44E-02	5.74E-03	3.85E-01	4.31E-01	7.29E-01	2.22E+00	1.96E-01	3.58E+00
4506	479363.09	3858877.25	1.9388	0.8372	7.8018	2.30317	3.17E-01	6.49E-01	1.51E+00	1.70E-01	2.65E+00	3.12E-01	2.81E-05	1.66E-02	4.96E-03	3.34E-01	3.79E-01	6.49E-01	1.51E+00	1.70E-01	2.71E+00
4507	479863.09	3858877.25	5.85279	2.46798	22.864	6.07413	9.57E-01	1.91E+00	4.43E+00	4.47E-01	7.75E+00	9.43E-01	8.29E-05	4.86E-02	1.31E-02	1.00E+00	1.15E+00	1.91E+00	4.43E+00	4.47E-01	7.94E+00
4508	480363.09	3858877.25	6.21147	3.10785	16.973	4.14597	1.02E+00	2.41E+00	3.29E+00	3.05E-01	7.02E+00	1.00E+00	1.04E-04	3.61E-02	8.93E-03	1.05E+00	1.22E+00	2.41E+00	3.29E+00	3.05E-01	7.22E+00
4509	480863.09	3858877.25	6.49328	3.53035	13.362	3.2255	1.06E+00	2.74E+00	2.59E+00	2.37E-01	6.63E+00	1.05E+00	1.19E-04	2.84E-02	6.94E-03	1.08E+00	1.27E+00	2.74E+00	2.59E+00	2.37E-01	6.84E+00
4510	481363.09	3858877.25	6.69807	3.7634	12.792	3.51554	1.10E+00	2.92E+00	2.48E+00	2.59E-01	6.75E+00	1.08E+00	1.26E-04	2.72E-02	7.57E-03	1.11E+00	1.31E+00	2.92E+00	2.48E+00	2.59E-01	6.97E+00

4511	481863.09	3858877.25	7.02622	4.08507	13.203	4.08742	1.15E+00	3.17E+00	2.56E+00	3.01E-01	7.18E+00	1.13E+00	1.37E-04	2.81E-02	8.80E-03	1.17E+00	1.37E+00	3.17E+00	2.56E+00	3.01E-01	7.40E+00
4512	482363.09	3858877.25	7.26925	4.11561	14.353	6.29436	1.19E+00	3.19E+00	2.78E+00	4.63E-01	7.63E+00	1.17E+00	1.38E-04	3.05E-02	1.36E-02	1.22E+00	1.42E+00	3.19E+00	2.78E+00	4.63E-01	7.86E+00
4513	482863.09	3858877.25	7.51049	4.64159	16.202	3.81442	1.23E+00	3.60E+00	3.14E+00	2.81E-01	8.25E+00	1.21E+00	1.56E-04	3.44E-02	8.21E-03	1.25E+00	1.47E+00	3.60E+00	3.14E+00	2.81E-01	8.49E+00
4514	483363.09	3858877.25	7.35033	7.50248	18.954	4.10538	1.20E+00	5.82E+00	3.68E+00	3.02E-01	1.10E+01	1.18E+00	2.52E-04	4.03E-02	8.84E-03	1.23E+00	1.44E+00	5.82E+00	3.68E+00	3.02E-01	1.12E+01
4515	483863.09	3858877.25	7.59973	8.43675	21.644	4.15113	1.24E+00	6.54E+00	4.20E+00	3.06E-01	1.23E+01	1.22E+00	2.83E-04	4.60E-02	8.94E-03	1.28E+00	1.49E+00	6.54E+00	4.20E+00	3.06E-01	1.25E+01
4516	484363.09	3858877.25	8.01003	9.76901	24.585	4.88305	1.31E+00	7.58E+00	4.77E+00	3.60E-01	1.40E+01	1.29E+00	3.28E-04	5.23E-02	1.05E-02	1.35E+00	1.57E+00	7.58E+00	4.77E+00	3.60E-01	1.43E+01
4517	484863.09	3858877.25	8.59546	11.7903	26.615	5.1217	1.41E+00	9.15E+00	5.16E+00	3.77E-01	1.61E+01	1.39E+00	3.96E-04	5.66E-02	1.10E-02	1.45E+00	1.68E+00	9.15E+00	5.16E+00	3.77E-01	1.64E+01
4518	485363.09	3858877.25	9.26145	15.029	27.896	5.61069	1.51E+00	1.17E+01	5.41E+00	4.13E-01	1.90E+01	1.49E+00	5.05E-04	5.93E-02	1.21E-02	1.56E+00	1.81E+00	1.17E+01	5.41E+00	4.13E-01	1.93E+01
4519	485863.09	3858877.25	10.717	19.7293	31.421	7.60085	1.75E+00	1.53E+01	6.09E+00	5.60E-01	2.37E+01	1.73E+00	6.63E-04	6.68E-02	1.64E-02	1.81E+00	2.10E+00	1.53E+01	6.09E+00	5.60E-01	2.41E+01
4520	486363.09	3858877.25	12.384	31.6329	32.318	5.62982	2.03E+00	2.45E+01	6.27E+00	4.14E-01	3.32E+01	2.00E+00	1.06E-03	6.87E-02	1.21E-02	2.08E+00	2.42E+00	2.45E+01	6.27E+00	4.14E-01	3.36E+01
4521	486863.09	3858877.25	15.3094	30.224	29.86	4.9875	2.50E+00	2.34E+01	5.79E+00	3.67E-01	3.21E+01	2.47E+00	1.02E-03	6.35E-02	1.07E-02	2.54E+00	3.00E+00	2.34E+01	5.79E+00	3.67E-01	3.26E+01
4522	487363.09	3858877.25	20.1572	33.3813	22.714	5.87558	3.30E+00	2.59E+01	4.40E+00	4.33E-01	3.40E+01	3.25E+00	1.12E-03	4.83E-02	1.26E-02	3.31E+00	3.94E+00	2.59E+01	4.40E+00	4.33E-01	3.47E+01
4523	487863.09	3858877.25	21.3958	22.4299	13.627	6.76561	3.50E+00	1.74E+01	2.64E+00	4.98E-01	2.40E+01	3.45E+00	7.53E-04	2.90E-02	1.46E-02	3.49E+00	4.19E+00	1.74E+01	2.64E+00	4.98E-01	2.47E+01
4524	488363.09	3858877.25	19.7021	23.6942	12.891	7.02068	3.22E+00	1.84E+01	2.50E+00	5.17E-01	2.46E+01	3.17E+00	7.96E-04	2.74E-02	1.51E-02	3.22E+00	3.86E+00	1.84E+01	2.50E+00	5.17E-01	2.53E+01
4525	488863.09	3858877.25	18.286	18.4088	27.314	7.38625	2.99E+00	1.43E+01	5.30E+00	5.44E-01	2.31E+01	2.95E+00	6.18E-04	5.81E-02	1.59E-02	3.02E+00	3.58E+00	1.43E+01	5.30E+00	5.44E-01	2.37E+01
4526	489363.09	3858877.25	17.4309	13.1328	33.762	5.67857	2.85E+00	1.02E+01	6.55E+00	4.18E-01	2.00E+01	2.81E+00	4.41E-04	7.18E-02	1.22E-02	2.89E+00	3.41E+00	1.02E+01	6.55E+00	4.18E-01	2.06E+01
4527	489863.09	3858877.25	19.3288	10.7116	31.264	4.57205	3.16E+00	8.31E+00	6.06E+00	3.37E-01	1.79E+01	3.11E+00	3.60E-04	6.65E-02	9.84E-03	3.19E+00	3.78E+00	8.31E+00	6.06E+00	3.37E-01	1.85E+01
4528	490363.09	3858877.25	19.0329	8.31897	26.76	4.74564	3.11E+00	6.45E+00	5.19E+00	3.49E-01	1.51E+01	3.07E+00	2.79E-04	5.69E-02	1.02E-02	3.13E+00	3.72E+00	6.45E+00	5.19E+00	3.49E-01	1.57E+01
4529	490863.09	3858877.25	18.6028	5.14533	28.22	5.8063	3.04E+00	3.99E+00	5.47E+00	4.27E-01	1.29E+01	3.00E+00	1.73E-04	6.00E-02	1.25E-02	3.07E+00	3.64E+00	3.99E+00	5.47E+00	4.27E-01	1.35E+01
4530	491363.09	3858877.25	18.7141	3.14846	66.17	7.69232	3.06E+00	2.44E+00	1.28E+01	5.66E-01	1.89E+01	3.02E+00	1.06E-04	1.41E-01	1.66E-02	3.17E+00	3.66E+00	2.44E+00	1.28E+01	5.66E-01	1.95E+01
4531	491863.09	3858877.25	9.48853	2.1602	72.277	5.26624	1.55E+00	1.68E+00	1.40E+01	3.88E-01	1.76E+01	1.53E+00	7.26E-05	1.54E-01	1.13E-02	1.69E+00	1.86E+00	1.68E+00	1.40E+01	3.88E-01	1.79E+01
4532	492363.09	3858877.25	11.3402	2.18897	63.225	9.05419	1.85E+00	1.70E+00	1.23E+01	6.67E-01	1.65E+01	1.83E+00	7.35E-05	1.34E-01	1.95E-02	1.98E+00	2.22E+00	1.70E+00	1.23E+01	6.67E-01	1.68E+01
4533	492863.09	3858877.25	11.646	2.37152	41.067	7.84967	1.90E+00	1.84E+00	7.96E+00	5.78E-01	1.23E+01	1.88E+00	7.97E-05	8.73E-02	1.69E-02	1.98E+00	2.28E+00	1.84E+00	7.96E+00	5.78E-01	1.27E+01
4534	493363.09	3858877.25	10.094	2.23833	48.751	7.69869	1.65E+00	1.74E+00	9.45E+00	5.67E-01	1.34E+01	1.63E+00	7.52E-05	1.04E-01	1.66E-02	1.75E+00	1.98E+00	1.74E+00	9.45E+00	5.67E-01	1.37E+01
4535	493863.09	3858877.25	6.78916	2.18609	48.974	4.84598	1.11E+00	1.70E+00	9.50E+00	3.57E-01	1.27E+01	1.09E+00	7.34E-05	1.04E-01	1.04E-02	1.21E+00	1.33E+00	1.70E+00	9.50E+00	3.57E-01	1.29E+01
4536	494363.09	3858877.25	5.44266	1.86613	51.833	4.6094	8.90E-01	1.45E+00	1.01E+01	3.39E-01	1.27E+01	8.77E-01	6.27E-05	1.10E-01	9.92E-03	9.97E-01	1.07E+00	1.45E+00	1.01E+01	3.39E-01	1.29E+01
4537	494863.09	3858877.25	3.92583	1.81349	32.952	3.18361	6.42E-01	1.41E+00	6.39E+00	2.34E-01	8.67E+00	6.33E-01	6.09E-05	7.01E-02	6.85E-03	7.10E-01	7.68E-01	1.41E+00	6.39E+00	2.34E-01	8.80E+00
4538	495363.09	3858877.25	2.98566	1.675	24.007	2.99229	4.88E-01	1.30E+00	4.66E+00	2.20E-01	6.66E+00	4.81E-01	5.63E-05	5.10E-02	6.44E-03	5.39E-01	5.84E-01	1.30E+00	4.66E+00	2.20E-01	6.76E+00
4539	495863.09	3858877.25	2.98366	1.63409	21.09	2.9322	4.88E-01	1.27E+00	4.09E+00	2.16E-01	6.06E+00	4.81E-01	5.49E-05	4.48E-02	6.31E-03	5.32E-01	5.84E-01	1.27E+00	4.09E+00	2.16E-01	6.16E+00
4540	496363.09	3858877.25	3.1917	1.59364	19.847	2.91104	5.22E-01	1.24E+00	3.85E+00	2.14E-01	5.82E+00	5.14E-01	5.35E-05	4.22E-02	6.27E-03	5.63E-01	6.25E-01	1.24E+00	3.85E+00	2.14E-01	5.92E+00
4541	496863.09	3858877.25	3.40724	1.55604	19.261	2.8804	5.57E-01	1.21E+00	3.73E+00	2.12E-01	5.71E+00	5.49E-01	5.23E-05	4.10E-02	6.20E-03	5.96E-01	6.67E-01	1.21E+00	3.73E+00	2.12E-01	5.82E+00
4542	497363.09	3858877.25	3.60656	1.53084	18.599	2.82727	5.90E-01	1.19E+00	3.61E+00	2.08E-01	5.59E+00	5.81E-01	5.14E-05	3.95E-02	6.09E-03	6.27E-01	7.06E-01	1.19E+00	3.61E+00	2.08E-01	5.71E+00
4543	497863.09	3858877.25	4.81201	1.55386	29.943	2.97601	7.87E-01	1.21E+00	5.81E+00	2.19E-01	8.02E+00	7.75E-01	5.22E-05	6.37E-02	6.41E-03	8.45E-01	9.42E-01	1.21E+00	5.81E+00	2.19E-01	8.17E+00
4544	498363.09	3858877.25	5.69175	1.54872	39.793	3.33053	9.31E-01	1.20E+00	7.72E+00	2.45E-01	1.01E+01	9.17E-01	5.20E-05	8.46E-02	7.17E-03	1.01E+00	1.11E+00	1.20E+00	7.72E+00	2.45E-01	1.03E+01
4545	471363.09	3859377.25	3.82795	1.2683	13.953	2.91579	6.26E-01	9.84E-01	2.71E+00	2.15E-01	4.53E+00	6.17E-01	4.26E-05	2.97E-02	6.28E-03	6.53E-01	7.49E-01	9.84E-01	2.71E+00	2.15E-01	4.65E+00
4546	471863.09	3859377.25	3.91486	1.28689	14.521	2.85854	6.40E-01	9.98E-01	2.82E+00	2.10E-01	4.66E+00	6.31E-01	4.32E-05	3.09E-02	6.15E-03	6.68E-01	7.66E-01	9.98E-01	2.82E+00	2.10E-01	4.79E+00
4547	472363.09	3859377.25	4.06259	1.4857	14.591	2.94572	6.64E-01	1.15E+00	2.83E+00	2.17E-01	4.86E+00	6.55E-01	4.99E-05	3.10E-02	6.34E-03	6.92E-01	7.95E-01	1.15E+00	2.83E+00	2.17E-01	4.99E+00
4548	472863.09	3859377.25	4.1538	1.58409	14.727	3.03747	6.79E-01	1.23E+00	2.86E+00	2.24E-01	4.99E+00	6.69E-01	5.32E-05	3.13E-02	6.54E-03	7.07E-01	8.13E-01	1.23E+00	2.86E+00	2.24E-01	5.12E+00
4549	473363.09	3859377.25	4.27511	1.7243	14.405	3.0299	6.99E-01	1.34E+00	2.79E+00	2.23E-01	5.05E+00	6.89E-01	5.79E-05	3.06E-02	6.52E-03	7.26E-01	8.37E-01	1.34E+00	2.79E+00	2.23E-01	5.19E+00
4550	473863.09	3859377.25	4.32425	1.73243	15.054	3.038	7.07E-01	1.34E+00	2.92E+00	2.24E-01	5.19E+00	6.97E-01	5.82E-05	3.20E-02	6.54E-03	7.35E-01	8.46E-01	1.34E+00	2.92E+00	2.24E-01	5.33E+00
4551	474363.09	3859377.25	4.07657	1.12973	22.771	3.52957	6.67E-01	8.76E-01	4.42E+00	2.60E-01	6.22E+00	6.57E-01	3.79E-05	4.84E-02	7.60E-03	7.13E-01	7.98E-01	8.76E-01	4.42E+00	2.60E-01	6.35E+00
4552	474863.09	3859377.25	3.08642	0.88479	15.581	2.47165	5.05E-01	6.86E-01	3.02E+00	1.82E-01	4.39E+00	4.97E-01	2.97E-05	3.31E-02	5.32E-03	5.36E-01	6.04E-01	6.86E-01	3.02E+00	1.82E-01	4.49E+00
4553	475363.09	3859377.25	1.87293	0.75482	5.1355	1.99752	3.06E-01	5.86E-01	9.96E-01	1.47E-01	2.03E+00	3.02E-01	2.54E-05	1.09E-02	4.30E-03	3.17E-01	3.66E-01	5.86E-01	9.96E-01	1.47E-01	2.09E+00
4554	475863.09	3859377.25	1.57076	0.71863	5.1589	1.90351	2.57E-01	5.57E-01	1.00E+00	1.40E-01	1.95E+00	2.53E-01	2.41E-05	1.10E-02	4.10E-03	2.68E-01	3.07E-01	5.57E-01	1.00E+00	1.40E-01	2.01E+00
4555	476363.09	3859377.25	1.64215	0.69802	5.4663	1.92255	2.69E-01	5.41E-01	1.06E+00	1.42E-01	2.01E+00	2.65E-01	2.34E-05	1.16E-02	4.14E-03	2.80E-01	3.21E-01	5.41E-01	1.06E+00	1.42E-01	2.06E+00
4556	476863.09	3859377.25	1.52556	0.68383	5.8492	1.87142	2.50E-01	5.30E-01	1.13E+00	1.38E-01	2.05E+00	2.46E-01	2.30E-05	1.24E-02	4.03E-03	2.62E-01	2.99E-01	5.30E-01	1.13E+00	1.38E-01	2.10E+00
4557	477363.09	3859377.25	1.53753	0.66892	6.2618	1.82036	2.51E-01	5.19E-01	1.21E+00	1.34E-01	2.12E+00	2.48E-01	2.25E-05	1.33E-02	3.92E-03	2.65E-01	3.01E-01	5.19E-01	1.21E+00	1.34E-01	2.17E+00
4558	477863.09	3859377.25	1.88746	0.73625	6.9915	2.05635	3.09E-01	5.71E-01	1.36E+00	1.51E-01	2.39E+00	3.04E-01	2.47E-05	1.49E-02	4.43E-03	3.23E-01	3.69E-01	5.71E-01	1.36E+00	1.51E-01	2.45E+00
4559	478363.09	3859377.25	2.01189	0.92959	12.608	2.93241	3.29E-01	7.21E-01	2.44E+00	2.16E-01	3.71E+00	3.24E-01	3.12E-05	2.68E-02	6.31E-03	3.57E-01	3.94E-01	7.21E-01	2.44E+00	2.16E-01	3.78E+00
4560	478863.09	3859377.25	3.10825	1.05393	29.22	4.92744	5.08E-01	8.18E-01	5.67E+00	3.63E-01	7.35E+00	5.01E-01	3.54E-05	6.21E-02	1.06E-02	5.74E-01	6.08E-01	8.18E-01	5.67E+00	3.63E-01	7.45E+00
4561	479363.09	3859377.25	4.57573	1.17017	30.583	6.33963	7.48E-01	9.08E-01	5.93E+00	4.67E-01	8.05E+00	7.37E-01	3.93E-05	6.50E-02	1.36E-02	8.16E-01	8.95E-01	9.08E-01	5.93E+00	4.67E-01	8.20E+00
4562	479863.09	3859377.25	5.47088	1.7085	24.679	5.56993	8.95E-01	1.33E+00	4.79E+00	4.10E-01	7.42E+00	8.82E-01	5.74E-05	5.25E-02	1.20E-02	9.46E-01	1.07E+00	1.33E+00	4.79E+00	4.10E-01	7.59E+00
4563	480363.09	3859377.25	5.79163	2.53713	14.626	3.90606	9.47E-01	1.97E+00	2.84E+00	2.88E-01	6.04E+00	9.33E-01	8.52E-05	3.11E-02	8.41E-03	9.73E-01	1.13E+00	1.97E+00	2.84E+00	2.88E-01	6.23E+00
4564	480863.09	3859377.25	6.02352	3.08803	13.916	3.08872	9.85E-01	2.40E+00	2.70E+00	2.27E-01	6.31E+00	9.71E-01	1.04E-04	2.96E-02	6.65E-03	1.01E+00	1.18E+00	2.40E+00	2.70E+00	2.27E-01	6.50E+00
4565	481363.09	3859377.25	6.21373	3.43798	15.629	2.9832	1.02E+00	2.67E+00	3.03E+00	2.20E-01	6.93E+00	1.00E+00	1.15E-04	3.32E-02	6.42E-03	1.04E+00	1.22E+00	2.67E+00	3.03E+00	2.20E-01	7.13E+00
4566	481863.09	3859377.25	6.28757	3.65657	17.536	3.77931	1.03E+00	2.84E+00	3.40E+00	2.78E-01	7.54E+00	1.01E+00	1.23E-04	3.73E-02	8.14E-03	1.06E+00	1.23E+00	2.84E+00	3.40E+00	2.78E-01	7.75E+00
4567	482363.09	3859377.25	6.59795	3.76295	19.692	3.09754	1.08E+00	2.92E+00	3.82E+00	2.28E-01	8.04E+00	1.06E+00	1.26E-04	4.19E-02	6.67E-03	1.11E+00	1.29E+00	2.92E+00	3.82E+00	2.28E-01	8.26E+00
4568	482863.09	3859377.25	6.93487	4.31267	21.177	3.28624	1.13E+00	3.35E+00	4.11E+00	2.42E-01	8.83E+00	1.12E+00	1.45E-04	4.50E-02	7.07E-03	1.17E+00	1.36E+00	3.35E+00	4.11E+00	2.42E-01	9.05E+00
4569	483363.09	3859377.25	7.14562	5.82154	21.975	3.49975	1.17E+00	4.52E+00	4.26E+00	2.58E-01	1.02E+01	1.15E+00	1.96E-04	4.67E-02	7.53E-03	1.21E+00	1.40E+00	4.52E+00	4.26E+00	2.58E-01	1.04E+01
4570	483863.09	3859377.25	7.07139	7.14986	21.777	4.30933	1.16E+00	5.55E+00	4.22E+00	3.17E-01	1.12E+01	1.14E+00	2.40E-04	4.63E-02	9.28E-03	1.20E+00	1.38E+00	5.55E+00	4.22E+00	3.17E-01	1.15E+01
4571	484363.09	3859377.25	7.35412	8.11496	24.841	4.38243	1.20E+00	6.29E+00	4.82E+00	3.23E-01	1.26E+01	1.18E+00	2.73E-04	5.28E-02	9.43E-03	1.25E+00	1.44E+00	6.30E+00	4.82E+00	3.23E-01	1.29E+01

4572	484863.09	3859377.25	7.94772	9.29653	26.347	5.28653	1.30E+00	7.21E+00	5.11E+00	3.89E-01	1.40E+01	1.28E+00	3.12E-04	5.60E-02	1.14E-02	1.35E+00	1.56E+00	7.21E+00	5.11E+00	3.89E-01	1.43E+01
4573	485363.09	3859377.25	8.4908	10.8943	25.844	7.43688	1.39E+00	8.45E+00	5.01E+00	5.48E-01	1.54E+01	1.37E+00	3.66E-04	5.49E-02	1.60E-02	1.44E+00	1.66E+00	8.45E+00	5.01E+00	5.48E-01	1.57E+01
4574	485863.09	3859377.25	9.50704	13.2161	25.318	7.17301	1.55E+00	1.03E+01	4.91E+00	5.28E-01	1.72E+01	1.53E+00	4.44E-04	5.38E-02	1.54E-02	1.60E+00	1.86E+00	1.03E+01	4.91E+00	5.28E-01	1.76E+01
4575	486363.09	3859377.25	10.7299	17.6395	25.88	8.67811	1.75E+00	1.37E+01	5.02E+00	6.39E-01	2.11E+01	1.73E+00	5.93E-04	5.50E-02	1.87E-02	1.80E+00	2.10E+00	1.37E+01	5.02E+00	6.39E-01	2.14E+01
4576	486863.09	3859377.25	12.3246	28.6703	22.207	9.22016	2.02E+00	2.22E+01	4.31E+00	6.79E-01	2.92E+01	1.99E+00	9.63E-04	4.72E-02	1.98E-02	2.05E+00	2.41E+00	2.22E+01	4.31E+00	6.79E-01	2.96E+01
4577	487363.09	3859377.25	15.2586	31.7506	7.9935	7.30708	2.50E+00	2.46E+01	1.55E+00	5.38E-01	2.92E+01	2.46E+00	1.07E-03	1.70E-02	1.57E-02	2.49E+00	2.99E+00	2.46E+01	1.55E+00	5.38E-01	2.97E+01
4578	487863.09	3859377.25	20.0855	28.4766	12.689	10.28839	3.29E+00	2.21E+01	2.46E+00	7.57E-01	2.86E+01	3.24E+00	9.57E-04	2.70E-02	2.21E-02	3.29E+00	3.93E+00	2.21E+01	2.46E+00	7.57E-01	2.92E+01
4579	488363.09	3859377.25	18.9454	32.465	10.958	34.87654	3.10E+00	2.52E+01	2.12E+00	2.57E+00	3.30E+01	3.05E+00	1.09E-03	2.33E-02	7.51E-02	3.15E+00	3.71E+00	2.52E+01	2.12E+00	2.57E+00	3.36E+01
4580	488863.09	3859377.25	17.9901	29.0677	20.599	7.23759	2.94E+00	2.25E+01	3.99E+00	5.33E-01	3.00E+01	2.90E+00	9.76E-04	4.38E-02	1.56E-02	2.96E+00	3.52E+00	2.25E+01	3.99E+00	5.33E-01	3.06E+01
4581	489363.09	3859377.25	16.2685	17.1603	21.8	5.51301	2.66E+00	1.33E+01	4.23E+00	4.06E-01	2.06E+01	2.62E+00	5.76E-04	4.64E-02	1.19E-02	2.68E+00	3.18E+00	1.33E+01	4.23E+00	4.06E-01	2.11E+01
4582	489863.09	3859377.25	16.5135	13.2449	27.292	5.6013	2.70E+00	1.03E+01	5.29E+00	4.12E-01	1.87E+01	2.66E+00	4.45E-04	5.80E-02	1.21E-02	2.73E+00	3.23E+00	1.03E+01	5.29E+00	4.12E-01	1.92E+01
4583	490363.09	3859377.25	17.5376	10.3204	24.144	4.99973	2.87E+00	8.01E+00	4.68E+00	3.68E-01	1.59E+01	2.83E+00	3.47E-04	5.13E-02	1.08E-02	2.89E+00	3.43E+00	8.01E+00	4.68E+00	3.68E-01	1.65E+01
4584	490863.09	3859377.25	17.0754	6.09424	24.378	4.88248	2.79E+00	4.73E+00	4.73E+00	3.59E-01	1.26E+01	2.75E+00	2.05E-04	5.18E-02	1.05E-02	2.81E+00	3.34E+00	4.73E+00	4.73E+00	3.59E-01	1.32E+01
4585	491363.09	3859377.25	19.57	2.88051	40.193	9.55958	3.20E+00	2.23E+00	7.79E+00	7.04E-01	1.39E+01	3.15E+00	9.68E-05	8.55E-02	2.06E-02	3.26E+00	3.83E+00	2.23E+00	7.79E+00	7.04E-01	1.46E+01
4586	491863.09	3859377.25	18.0225	3.78513	26.475	6.17961	2.95E+00	2.94E+00	5.13E+00	4.55E-01	1.15E+01	2.90E+00	1.27E-04	5.63E-02	1.33E-02	2.97E+00	3.53E+00	2.94E+00	5.13E+00	4.55E-01	1.21E+01
4587	492363.09	3859377.25	16.1091	3.65565	26.256	5.80183	2.63E+00	2.84E+00	5.09E+00	4.27E-01	1.10E+01	2.60E+00	1.23E-04	5.58E-02	1.25E-02	2.66E+00	3.15E+00	2.84E+00	5.09E+00	4.27E-01	1.15E+01
4588	492863.09	3859377.25	13.2843	3.69483	28.798	5.29186	2.17E+00	2.87E+00	5.58E+00	3.90E-01	1.10E+01	2.14E+00	1.24E-04	6.12E-02	1.14E-02	2.21E+00	2.60E+00	2.87E+00	5.58E+00	3.90E-01	1.14E+01
4589	493363.09	3859377.25	12.0845	2.82594	38.928	6.30932	1.98E+00	2.19E+00	7.55E+00	4.65E-01	1.22E+01	1.95E+00	9.49E-05	8.28E-02	1.36E-02	2.04E+00	2.36E+00	2.19E+00	7.55E+00	4.65E-01	1.26E+01
4590	493863.09	3859377.25	10.9409	2.74978	33.727	6.54939	1.79E+00	2.13E+00	6.54E+00	4.82E-01	1.09E+01	1.76E+00	9.24E-05	7.17E-02	1.41E-02	1.85E+00	2.14E+00	2.13E+00	6.54E+00	4.82E-01	1.13E+01
4591	494363.09	3859377.25	9.83513	2.17595	37.366	6.97914	1.61E+00	1.69E+00	7.25E+00	5.14E-01	1.11E+01	1.58E+00	7.31E-05	7.94E-02	1.50E-02	1.68E+00	1.92E+00	1.69E+00	7.25E+00	5.14E-01	1.14E+01
4592	494863.09	3859377.25	8.18703	1.62737	40.47	6.56219	1.34E+00	1.26E+00	7.85E+00	4.83E-01	1.09E+01	1.32E+00	5.47E-05	8.60E-02	1.41E-02	1.42E+00	1.60E+00	1.26E+00	7.85E+00	4.83E-01	1.12E+01
4593	495363.09	3859377.25	7.3697	1.63936	35.751	5.85343	1.21E+00	1.27E+00	6.93E+00	4.31E-01	9.84E+00	1.19E+00	5.51E-05	7.60E-02	1.26E-02	1.28E+00	1.44E+00	1.27E+00	6.93E+00	4.31E-01	1.01E+01
4594	495863.09	3859377.25	6.18661	1.66498	32.224	4.48221	1.01E+00	1.29E+00	6.25E+00	3.30E-01	8.88E+00	9.97E-01	5.59E-05	6.85E-02	9.65E-03	1.08E+00	1.21E+00	1.29E+00	6.25E+00	3.30E-01	9.08E+00
4595	496363.09	3859377.25	5.95038	1.68274	30.71	4.34968	9.73E-01	1.31E+00	5.95E+00	3.20E-01	8.55E+00	9.59E-01	5.65E-05	6.53E-02	9.36E-03	1.03E+00	1.16E+00	1.31E+00	5.95E+00	3.20E-01	8.74E+00
4596	496863.09	3859377.25	4.90684	1.44611	28.068	3.15239	8.03E-01	1.12E+00	5.44E+00	2.32E-01	7.60E+00	7.91E-01	4.86E-05	5.97E-02	6.79E-03	8.57E-01	9.60E-01	1.12E+00	5.44E+00	2.32E-01	7.76E+00
4597	497363.09	3859377.25	5.49716	1.6651	32.521	3.57298	8.99E-01	1.29E+00	6.31E+00	2.63E-01	8.76E+00	8.86E-01	5.59E-05	6.91E-02	7.69E-03	9.63E-01	1.08E+00	1.29E+00	6.31E+00	2.63E-01	8.94E+00
4598	497863.09	3859377.25	6.27818	1.84208	33.898	4.32498	1.03E+00	1.43E+00	6.57E+00	3.18E-01	9.35E+00	1.01E+00	6.19E-05	7.21E-02	9.31E-03	1.09E+00	1.23E+00	1.43E+00	6.57E+00	3.18E-01	9.55E+00
4599	498363.09	3859377.25	6.56334	2.4845	28.699	4.13999	1.07E+00	1.93E+00	5.56E+00	3.05E-01	8.87E+00	1.06E+00	8.35E-05	6.10E-02	8.91E-03	1.13E+00	1.28E+00	1.93E+00	5.56E+00	3.05E-01	9.08E+00
4600	471363.09	3859877.25	3.87671	1.51192	11.424	2.45755	6.34E-01	1.17E+00	2.22E+00	1.81E-01	4.20E+00	6.25E-01	5.08E-05	2.43E-02	5.29E-03	6.54E-01	7.59E-01	1.17E+00	2.22E+00	1.81E-01	4.33E+00
4601	471863.09	3859877.25	3.9389	1.58046	11.089	2.4791	6.44E-01	1.23E+00	2.15E+00	1.83E-01	4.20E+00	6.35E-01	5.31E-05	2.36E-02	5.34E-03	6.64E-01	7.71E-01	1.23E+00	2.15E+00	1.83E-01	4.33E+00
4602	472363.09	3859877.25	3.97411	1.59734	11.052	2.47591	6.50E-01	1.24E+00	2.14E+00	1.82E-01	4.21E+00	6.40E-01	5.37E-05	2.35E-02	5.33E-03	6.69E-01	7.78E-01	1.24E+00	2.14E+00	1.82E-01	4.34E+00
4603	472863.09	3859877.25	4.07197	1.67587	10.155	2.43756	6.66E-01	1.30E+00	1.97E+00	1.79E-01	4.11E+00	6.56E-01	5.63E-05	2.16E-02	5.25E-03	6.83E-01	7.97E-01	1.30E+00	1.97E+00	1.79E-01	4.25E+00
4604	473363.09	3859877.25	4.17648	1.74551	9.3739	2.5451	6.83E-01	1.35E+00	1.82E+00	1.87E-01	4.04E+00	6.73E-01	5.86E-05	1.99E-02	5.48E-03	6.98E-01	8.17E-01	1.35E+00	1.82E+00	1.87E-01	4.18E+00
4605	473863.09	3859877.25	4.24678	1.74437	9.1488	2.97129	6.95E-01	1.35E+00	1.77E+00	2.19E-01	4.04E+00	6.84E-01	5.86E-05	1.95E-02	6.40E-03	7.10E-01	8.31E-01	1.35E+00	1.77E+00	2.19E-01	4.18E+00
4606	474363.09	3859877.25	4.09226	1.21601	19.693	5.72445	6.69E-01	9.43E-01	3.82E+00	4.21E-01	5.85E+00	6.59E-01	4.08E-05	4.19E-02	1.23E-02	7.14E-01	8.01E-01	9.43E-01	3.82E+00	4.21E-01	5.98E+00
4607	474863.09	3859877.25	3.5556	0.96174	22.219	4.98901	5.82E-01	7.46E-01	4.31E+00	3.67E-01	6.00E+00	5.73E-01	3.23E-05	4.72E-02	1.07E-02	6.31E-01	6.96E-01	7.46E-01	4.31E+00	3.67E-01	6.12E+00
4608	475363.09	3859877.25	2.11007	0.80705	9.0254	2.20714	3.45E-01	6.26E-01	1.75E+00	1.62E-01	2.88E+00	3.40E-01	2.71E-05	1.92E-02	4.75E-03	3.64E-01	4.13E-01	6.26E-01	1.75E+00	1.62E-01	2.95E+00
4609	475863.09	3859877.25	1.60522	0.66324	5.9813	2.00522	2.63E-01	5.14E-01	1.16E+00	1.48E-01	2.08E+00	2.59E-01	2.23E-05	1.27E-02	4.32E-03	2.76E-01	3.14E-01	5.15E-01	1.16E+00	1.48E-01	2.14E+00
4610	476363.09	3859877.25	1.38581	0.53463	5.5719	1.69773	2.27E-01	4.15E-01	1.08E+00	1.25E-01	1.85E+00	2.23E-01	1.80E-05	1.18E-02	3.65E-03	2.39E-01	2.71E-01	4.15E-01	1.08E+00	1.25E-01	1.89E+00
4611	476863.09	3859877.25	1.31358	0.57255	6.9068	1.77121	2.15E-01	4.44E-01	1.34E+00	1.30E-01	2.13E+00	2.12E-01	1.92E-05	1.47E-02	3.81E-03	2.30E-01	2.57E-01	4.44E-01	1.34E+00	1.30E-01	2.17E+00
4612	477363.09	3859877.25	1.27294	0.62523	7.6168	1.78605	2.08E-01	4.85E-01	1.48E+00	1.31E-01	2.30E+00	2.05E-01	2.10E-05	1.62E-02	3.84E-03	2.25E-01	2.49E-01	4.85E-01	1.48E+00	1.31E-01	2.34E+00
4613	477863.09	3859877.25	1.57021	0.67311	8.991	2.11972	2.57E-01	5.22E-01	1.74E+00	1.56E-01	2.68E+00	2.53E-01	2.26E-05	1.91E-02	4.56E-03	2.77E-01	3.07E-01	5.22E-01	1.74E+00	1.56E-01	2.73E+00
4614	478363.09	3859877.25	2.16514	0.95161	15.833	2.86973	3.54E-01	7.38E-01	3.07E+00	2.11E-01	4.37E+00	3.49E-01	3.20E-05	3.37E-02	6.18E-03	3.89E-01	4.24E-01	7.38E-01	3.07E+00	2.11E-01	4.44E+00
4615	478863.09	3859877.25	3.23483	1.063	31.039	4.76826	5.29E-01	8.25E-01	6.02E+00	3.51E-01	7.72E+00	5.21E-01	3.57E-05	6.60E-02	1.03E-02	5.98E-01	6.33E-01	8.25E-01	6.02E+00	3.51E-01	7.83E+00
4616	479363.09	3859877.25	4.62564	1.3643	28.415	6.67846	7.57E-01	1.06E+00	5.51E+00	4.92E-01	7.82E+00	7.45E-01	4.58E-05	6.04E-02	1.44E-02	8.20E-01	9.05E-01	1.06E+00	5.51E+00	4.92E-01	7.96E+00
4617	479863.09	3859877.25	5.22675	2.22957	18.622	5.82868	8.55E-01	1.73E+00	3.61E+00	4.29E-01	6.62E+00	8.42E-01	7.49E-05	3.96E-02	1.25E-02	8.94E-01	1.02E+00	1.73E+00	3.61E+00	4.29E-01	6.79E+00
4618	480363.09	3859877.25	5.40045	3.17654	15.988	2.8616	8.83E-01	2.46E+00	3.10E+00	2.11E-01	6.66E+00	8.70E-01	1.07E-04	3.40E-02	6.16E-03	9.10E-01	1.06E+00	2.46E+00	3.10E+00	2.11E-01	6.83E+00
4619	480863.09	3859877.25	5.47646	3.70571	16.982	2.50036	8.96E-01	2.87E+00	3.29E+00	1.84E-01	7.25E+00	8.82E-01	1.24E-04	3.61E-02	5.38E-03	9.24E-01	1.07E+00	2.87E+00	3.29E+00	1.84E-01	7.42E+00
4620	481363.09	3859877.25	5.69574	4.09457	17.304	2.38225	9.32E-01	3.18E+00	3.36E+00	1.75E-01	7.64E+00	9.18E-01	1.38E-04	3.68E-02	5.13E-03	9.60E-01	1.11E+00	3.18E+00	3.36E+00	1.75E-01	7.82E+00
4621	481863.09	3859877.25	5.93888	4.29004	16.826	2.77776	9.71E-01	3.33E+00	3.26E+00	2.05E-01	7.77E+00	9.57E-01	1.44E-04	3.58E-02	5.98E-03	9.99E-01	1.16E+00	3.33E+00	3.26E+00	2.05E-01	7.96E+00
4622	482363.09	3859877.25	6.27208	4.59456	17.463	2.87427	1.03E+00	3.56E+00	3.39E+00	2.12E-01	8.19E+00	1.01E+00	1.54E-04	3.71E-02	6.19E-03	1.05E+00	1.23E+00	3.56E+00	3.39E+00	2.12E-01	8.39E+00
4623	482863.09	3859877.25	6.53004	4.87526	19.885	2.89508	1.07E+00	3.78E+00	3.86E+00	2.13E-01	8.92E+00	1.05E+00	1.64E-04	4.23E-02	6.23E-03	1.10E+00	1.28E+00	3.78E+00	3.86E+00	2.13E-01	9.13E+00
4624	483363.09	3859877.25	6.76076	5.29437	21.716	3.15282	1.11E+00	4.11E+00	4.21E+00	2.32E-01	9.66E+00	1.09E+00	1.78E-04	4.62E-02	6.79E-03	1.14E+00	1.32E+00	4.11E+00	4.21E+00	2.32E-01	9.87E+00
4625	483863.09	3859877.25	6.58347	6.20377	21.184	3.57229	1.08E+00	4.81E+00	4.11E+00	2.63E-01	1.03E+01	1.06E+00	2.08E-04	4.50E-02	7.69E-03	1.11E+00	1.29E+00	4.81E+00	4.11E+00	2.63E-01	1.05E+01
4626	484363.09	3859877.25	6.96818	6.69063	20.738	3.33655	1.14E+00	5.19E+00	4.02E+00	2.46E-01	1.06E+01	1.12E+00	2.25E-04	4.41E-02	7.18E-03	1.17E+00	1.36E+00	5.19E+00	4.02E+00	2.46E-01	1.08E+01
4627	484863.09	3859877.25	7.39109	7.27874	21.497	4.09999	1.21E+00	5.65E+00	4.17E+00	3.02E-01	1.13E+01	1.19E+00	2.45E-04	4.57E-02	8.83E-03	1.25E+00	1.45E+00	5.65E+00	4.17E+00	3.02E-01	1.16E+01
4628	485363.09	3859877.25	7.91442	7.77401	24.433	3.82845	1.29E+00	6.03E+00	4.74E+00	2.82E-01	1.23E+01	1.28E+00	2.61E-04	5.19E-02	8.24E-03	1.34E+00	1.55E+00	6.03E+00	4.74E+00	2.82E-01	1.26E+01
4629	485863.09	3859877.25	8.59234	9.23095	25.743	4.1163	1.41E+00	7.16E+00	4.99E+00	3.03E-01	1.39E+01	1.38E+00	3.10E-04	5.47E-02	8.86E-03	1.45E+00	1.68E+00	7.16E+00	4.99E+00	3.03E-01	1.41E+01
4630	486363.09	3859877.25	9.47704	9.72301	23.331	4.61838	1.55E+00	7.54E+00	4.52E+00	3.40E-01	1.40E+01	1.53E+00	3.27E-04	4.96E-02	9.94E-03	1.59E+00	1.85E+00	7.54E+00	4.52E+00	3.40E-01	1.43E+01
4631	486863.09	3859877.25	10.6948	12.9903	9.6195	6.45584	1.75E+00	1.01E+01	1.87E+00	4.75E-01	1.42E+01	1.72E+00	4.36E-04	2.05E-02	1.39E-02	1.76E+00	2.09E+00	1.01E+01	1.87E+00	4.75E-01	1.45E+01
4632	487363.09	3859877.25	12.8501	19.725	8.9065	6.13866	2.10E+00	1.53E+01	1.73E+00	4.52E-01	1.96E+01	2.07E+00	6.63E-04	1.89E-02	1.32E-02	2.10E+00	2.51E+00	1.53E+01	1.73E+00	4.52E-01	2.00E+01

4633	487863.09	3859877.25	16.385	29.2207	18.959	5.70714	2.68E+00	2.27E+01	3.68E+00	4.20E-01	2.94E+01	2.64E+00	9.82E-04	4.03E-02	1.23E-02	2.69E+00	3.21E+00	2.27E+01	3.68E+00	4.20E-01	3.00E+01
4634	488363.09	3859877.25	17.1669	34.3041	13.412	12.15055	2.81E+00	2.66E+01	2.60E+00	8.95E-01	3.29E+01	2.77E+00	1.15E-03	2.85E-02	2.62E-02	2.82E+00	3.36E+00	2.66E+01	2.60E+00	8.95E-01	3.35E+01
4635	488863.09	3859877.25	18.0749	21.6555	14.219	20.83441	2.96E+00	1.68E+01	2.76E+00	1.53E+00	2.40E+01	2.91E+00	7.27E-04	3.02E-02	4.49E-02	2.99E+00	3.54E+00	1.68E+01	2.76E+00	1.53E+00	2.46E+01
4636	489363.09	3859877.25	16.7437	21.5784	18.599	11.88713	2.74E+00	1.67E+01	3.61E+00	8.75E-01	2.40E+01	2.70E+00	7.25E-04	3.95E-02	2.56E-02	2.76E+00	3.28E+00	1.67E+01	3.61E+00	8.75E-01	2.45E+01
4637	489863.09	3859877.25	16.4344	17.5337	23.105	7.78428	2.69E+00	1.36E+01	4.48E+00	5.73E-01	2.13E+01	2.65E+00	5.89E-04	4.91E-02	1.68E-02	2.71E+00	3.22E+00	1.36E+01	4.48E+00	5.73E-01	2.19E+01
4638	490363.09	3859877.25	14.8046	12.2076	24.458	6.12226	2.42E+00	9.47E+00	4.74E+00	4.51E-01	1.71E+01	2.39E+00	4.10E-04	5.20E-02	1.32E-02	2.45E+00	2.90E+00	9.47E+00	4.74E+00	4.51E-01	1.76E+01
4639	490863.09	3859877.25	15.2634	9.67963	22.301	5.36394	2.50E+00	7.51E+00	4.32E+00	3.95E-01	1.47E+01	2.46E+00	3.25E-04	4.74E-02	1.15E-02	2.52E+00	2.99E+00	7.51E+00	4.32E+00	3.95E-01	1.52E+01
4640	491363.09	3859877.25	14.768	8.61153	20.537	4.83898	2.42E+00	6.68E+00	3.98E+00	3.56E-01	1.34E+01	2.38E+00	2.89E-04	4.37E-02	1.04E-02	2.43E+00	2.89E+00	6.68E+00	3.98E+00	3.56E-01	1.39E+01
4641	491863.09	3859877.25	14.2948	7.65466	20.945	4.39385	2.34E+00	5.94E+00	4.06E+00	3.23E-01	1.27E+01	2.30E+00	2.57E-04	4.45E-02	9.46E-03	2.36E+00	2.80E+00	5.94E+00	4.06E+00	3.23E-01	1.31E+01
4642	492363.09	3859877.25	14.3838	6.76128	22.68	4.20238	2.35E+00	5.24E+00	4.40E+00	3.09E-01	1.23E+01	2.32E+00	2.27E-04	4.82E-02	9.05E-03	2.38E+00	2.81E+00	5.25E+00	4.40E+00	3.09E-01	1.28E+01
4643	492863.09	3859877.25	13.9389	5.58254	22.986	4.00871	2.28E+00	4.33E+00	4.46E+00	2.95E-01	1.14E+01	2.25E+00	1.88E-04	4.89E-02	8.63E-03	2.30E+00	2.73E+00	4.33E+00	4.46E+00	2.95E-01	1.18E+01
4644	493363.09	3859877.25	12.5253	4.91309	21.348	3.84245	2.05E+00	3.81E+00	4.14E+00	2.83E-01	1.03E+01	2.02E+00	1.65E-04	4.54E-02	8.27E-03	2.07E+00	2.45E+00	3.81E+00	4.14E+00	2.83E-01	1.07E+01
4645	493863.09	3859877.25	10.464	4.39772	19.403	3.88536	1.71E+00	3.41E+00	3.76E+00	2.86E-01	9.17E+00	1.69E+00	1.48E-04	4.13E-02	8.36E-03	1.74E+00	2.05E+00	3.41E+00	3.76E+00	2.86E-01	9.51E+00
4646	494363.09	3859877.25	10.5968	3.73348	22.209	4.50198	1.73E+00	2.90E+00	4.31E+00	3.31E-01	9.27E+00	1.71E+00	1.25E-04	4.72E-02	9.69E-03	1.76E+00	2.07E+00	2.90E+00	4.31E+00	3.31E-01	9.61E+00
4647	494863.09	3859877.25	9.70249	3.57654	23.768	4.51751	1.59E+00	2.77E+00	4.61E+00	3.33E-01	9.30E+00	1.56E+00	1.20E-04	5.05E-02	9.73E-03	1.62E+00	1.90E+00	2.77E+00	4.61E+00	3.33E-01	9.61E+00
4648	495363.09	3859877.25	9.29181	3.21742	25.641	5.15961	1.52E+00	2.50E+00	4.97E+00	3.80E-01	9.37E+00	1.50E+00	1.08E-04	5.45E-02	1.11E-02	1.56E+00	1.82E+00	2.50E+00	4.97E+00	3.80E-01	9.67E+00
4649	495863.09	3859877.25	8.78752	2.8119	27.919	6.49835	1.44E+00	2.18E+00	5.41E+00	4.78E-01	9.51E+00	1.42E+00	9.45E-05	5.94E-02	1.40E-02	1.49E+00	1.72E+00	2.18E+00	5.41E+00	4.78E-01	9.79E+00
4650	496363.09	3859877.25	8.08199	1.91771	32.973	7.25908	1.32E+00	1.49E+00	6.39E+00	5.34E-01	9.74E+00	1.30E+00	6.44E-05	7.01E-02	1.56E-02	1.39E+00	1.58E+00	1.49E+00	6.39E+00	5.34E-01	1.00E+01
4651	496863.09	3859877.25	4.70052	1.4542	22.19	2.93087	7.69E-01	1.13E+00	4.30E+00	2.16E-01	6.42E+00	7.57E-01	4.88E-05	4.72E-02	6.31E-03	8.11E-01	9.20E-01	1.13E+00	4.30E+00	2.16E-01	6.57E+00
4652	497363.09	3859877.25	6.34086	1.69504	29.812	6.28299	1.04E+00	1.31E+00	5.78E+00	4.63E-01	8.60E+00	1.02E+00	5.69E-05	6.34E-02	1.35E-02	1.10E+00	1.24E+00	1.31E+00	5.78E+00	4.63E-01	8.80E+00
4653	497863.09	3859877.25	6.73143	2.83981	21.81	5.24457	1.10E+00	2.20E+00	4.23E+00	3.86E-01	7.92E+00	1.08E+00	9.54E-05	4.64E-02	1.13E-02	1.14E+00	1.32E+00	2.20E+00	4.23E+00	3.86E-01	8.14E+00
4654	498363.09	3859877.25	6.00537	3.34573	20.01	3.4428	9.82E-01	2.60E+00	3.88E+00	2.53E-01	7.71E+00	9.68E-01	1.12E-04	4.25E-02	7.41E-03	1.02E+00	1.18E+00	2.60E+00	3.88E+00	2.53E-01	7.90E+00
4655	471363.09	3860377.25	3.80754	1.69002	7.3911	2.33371	6.23E-01	1.31E+00	1.43E+00	1.72E-01	3.54E+00	6.14E-01	5.68E-05	1.57E-02	5.02E-03	6.34E-01	7.45E-01	1.31E+00	1.43E+00	1.72E-01	3.66E+00
4656	471863.09	3860377.25	3.86325	1.75388	7.6706	2.45337	6.32E-01	1.36E+00	1.49E+00	1.81E-01	3.66E+00	6.22E-01	5.89E-05	1.63E-02	5.28E-03	6.44E-01	7.56E-01	1.36E+00	1.49E+00	1.81E-01	3.78E+00
4657	472363.09	3860377.25	3.89503	1.84275	7.704	2.7677	6.37E-01	1.43E+00	1.49E+00	2.04E-01	3.76E+00	6.28E-01	6.19E-05	1.64E-02	5.96E-03	6.50E-01	7.62E-01	1.43E+00	1.49E+00	2.04E-01	3.89E+00
4658	472863.09	3860377.25	4.00612	1.94353	7.4385	2.96437	6.55E-01	1.51E+00	1.44E+00	2.18E-01	3.82E+00	6.46E-01	6.53E-05	1.58E-02	6.38E-03	6.68E-01	7.84E-01	1.51E+00	1.44E+00	2.18E-01	3.95E+00
4659	473363.09	3860377.25	4.11349	2.01239	7.5181	3.11097	6.73E-01	1.56E+00	1.46E+00	2.29E-01	3.92E+00	6.63E-01	6.76E-05	1.60E-02	6.70E-03	6.86E-01	8.05E-01	1.56E+00	1.46E+00	2.29E-01	4.05E+00
4660	473863.09	3860377.25	4.16543	2.02999	8.2609	3.29394	6.81E-01	1.57E+00	1.60E+00	2.43E-01	4.10E+00	6.71E-01	6.82E-05	1.76E-02	7.09E-03	6.96E-01	8.15E-01	1.57E+00	1.60E+00	2.43E-01	4.23E+00
4661	474363.09	3860377.25	4.11112	1.876	11.255	3.75686	6.72E-01	1.46E+00	2.18E+00	2.77E-01	4.59E+00	6.62E-01	6.30E-05	2.39E-02	8.09E-03	6.95E-01	8.04E-01	1.46E+00	2.18E+00	2.77E-01	4.72E+00
4662	474863.09	3860377.25	3.89694	1.54037	23.569	5.41487	6.37E-01	1.19E+00	4.57E+00	3.99E-01	6.80E+00	6.28E-01	5.17E-05	5.01E-02	1.17E-02	6.90E-01	7.63E-01	1.19E+00	4.57E+00	3.99E-01	6.93E+00
4663	475363.09	3860377.25	3.29	1.07069	27.198	4.08997	5.38E-01	8.31E-01	5.27E+00	3.01E-01	6.94E+00	5.30E-01	3.60E-05	5.78E-02	8.80E-03	5.97E-01	6.44E-01	8.31E-01	5.27E+00	3.01E-01	7.05E+00
4664	475863.09	3860377.25	2.54038	0.9645	22.326	2.7072	4.16E-01	7.48E-01	4.33E+00	1.99E-01	5.69E+00	4.09E-01	3.24E-05	4.75E-02	5.83E-03	4.63E-01	4.97E-01	7.48E-01	4.33E+00	1.99E-01	5.77E+00
4665	476363.09	3860377.25	1.94018	0.86291	12.62	2.13297	3.17E-01	6.69E-01	2.45E+00	1.57E-01	3.59E+00	3.13E-01	2.90E-05	2.68E-02	4.59E-03	3.44E-01	3.80E-01	6.69E-01	2.45E+00	1.57E-01	3.65E+00
4666	476863.09	3860377.25	1.84265	0.79718	10.644	2.29596	3.01E-01	6.18E-01	2.06E+00	1.69E-01	3.15E+00	2.97E-01	2.68E-05	2.26E-02	4.94E-03	3.25E-01	3.61E-01	6.18E-01	2.06E+00	1.69E-01	3.21E+00
4667	477363.09	3860377.25	1.51815	0.64819	9.3068	2.06127	2.48E-01	5.03E-01	1.80E+00	1.52E-01	2.71E+00	2.45E-01	2.18E-05	1.98E-02	4.44E-03	2.69E-01	2.97E-01	5.03E-01	1.80E+00	1.52E-01	2.76E+00
4668	477863.09	3860377.25	1.60961	0.65287	10.785	2.12266	2.63E-01	5.06E-01	2.09E+00	1.56E-01	3.02E+00	2.59E-01	2.19E-05	2.29E-02	4.57E-03	2.87E-01	3.15E-01	5.06E-01	2.09E+00	1.56E-01	3.07E+00
4669	478363.09	3860377.25	2.38146	0.88172	14.461	2.78599	3.90E-01	6.84E-01	2.80E+00	2.05E-01	4.08E+00	3.84E-01	2.96E-05	3.07E-02	6.00E-03	4.21E-01	4.66E-01	6.84E-01	2.80E+00	2.05E-01	4.16E+00
4670	478863.09	3860377.25	3.38504	1.09913	17.574	4.11903	5.54E-01	8.53E-01	3.41E+00	3.03E-01	5.12E+00	5.45E-01	3.69E-05	3.74E-02	8.87E-03	5.92E-01	6.62E-01	8.53E-01	3.41E+00	3.03E-01	5.23E+00
4671	479363.09	3860377.25	4.46492	1.46423	19.062	5.59974	7.30E-01	1.14E+00	3.70E+00	4.12E-01	5.97E+00	7.19E-01	4.92E-05	4.05E-02	1.21E-02	7.72E-01	8.74E-01	1.14E+00	3.70E+00	4.12E-01	6.12E+00
4672	479863.09	3860377.25	4.83279	2.29403	16.338	3.95867	7.90E-01	1.78E+00	3.17E+00	2.91E-01	6.03E+00	7.79E-01	7.71E-05	3.47E-02	8.52E-03	8.22E-01	9.46E-01	1.78E+00	3.17E+00	2.91E-01	6.18E+00
4673	480363.09	3860377.25	5.05274	2.97442	14.654	2.76174	8.26E-01	2.31E+00	2.84E+00	2.03E-01	6.18E+00	8.14E-01	9.99E-05	3.12E-02	5.95E-03	8.51E-01	9.89E-01	2.31E+00	2.84E+00	2.03E-01	6.34E+00
4674	480863.09	3860377.25	5.26706	3.32663	15.28	2.45713	8.61E-01	2.58E+00	2.96E+00	1.81E-01	6.59E+00	8.49E-01	1.12E-04	3.25E-02	5.29E-03	8.87E-01	1.03E+00	2.58E+00	2.96E+00	1.81E-01	6.75E+00
4675	481363.09	3860377.25	5.4663	3.49132	17.325	2.59129	8.94E-01	2.71E+00	3.36E+00	1.91E-01	7.15E+00	8.81E-01	1.17E-04	3.68E-02	5.58E-03	9.23E-01	1.07E+00	2.71E+00	3.36E+00	1.91E-01	7.33E+00
4676	481863.09	3860377.25	5.72587	3.77287	17.909	2.72085	9.37E-01	2.93E+00	3.47E+00	2.00E-01	7.54E+00	9.23E-01	1.27E-04	3.81E-02	5.86E-03	9.67E-01	1.12E+00	2.93E+00	3.47E+00	2.00E-01	7.72E+00
4677	482363.09	3860377.25	5.94542	4.00236	18.385	2.67823	9.72E-01	3.10E+00	3.56E+00	1.97E-01	7.84E+00	9.58E-01	1.34E-04	3.91E-02	5.77E-03	1.00E+00	1.16E+00	3.10E+00	3.56E+00	1.97E-01	8.03E+00
4678	482863.09	3860377.25	6.09326	4.25851	18.589	2.76097	9.97E-01	3.30E+00	3.60E+00	2.03E-01	8.11E+00	9.82E-01	1.43E-04	3.95E-02	5.94E-03	1.03E+00	1.19E+00	3.30E+00	3.60E+00	2.03E-01	8.30E+00
4679	483363.09	3860377.25	6.20165	4.66089	18.472	3.17554	1.01E+00	3.62E+00	3.58E+00	2.34E-01	8.45E+00	9.99E-01	1.57E-04	3.93E-02	6.84E-03	1.05E+00	1.21E+00	3.62E+00	3.58E+00	2.34E-01	8.64E+00
4680	483863.09	3860377.25	6.21509	4.92055	18.699	3.43217	1.02E+00	3.82E+00	3.63E+00	2.53E-01	8.71E+00	1.00E+00	1.65E-04	3.98E-02	7.39E-03	1.05E+00	1.22E+00	3.82E+00	3.63E+00	2.53E-01	8.91E+00
4681	484363.09	3860377.25	6.6354	5.32124	22.323	3.06244	1.09E+00	4.13E+00	4.33E+00	2.25E-01	9.77E+00	1.07E+00	1.79E-04	4.75E-02	6.59E-03	1.12E+00	1.30E+00	4.13E+00	4.33E+00	2.25E-01	9.98E+00
4682	484863.09	3860377.25	6.97454	5.71531	21.298	3.1102	1.14E+00	4.43E+00	4.13E+00	2.29E-01	9.93E+00	1.12E+00	1.92E-04	4.53E-02	6.70E-03	1.18E+00	1.36E+00	4.43E+00	4.13E+00	2.29E-01	1.02E+01
4683	485363.09	3860377.25	7.44147	6.31286	24.988	3.29862	1.22E+00	4.90E+00	4.85E+00	2.43E-01	1.12E+01	1.20E+00	2.12E-04	5.31E-02	7.10E-03	1.26E+00	1.46E+00	4.90E+00	4.85E+00	2.43E-01	1.14E+01
4684	485863.09	3860377.25	7.84724	6.8719	22.571	3.95865	1.28E+00	5.33E+00	4.38E+00	2.91E-01	1.13E+01	1.26E+00	2.31E-04	4.80E-02	8.52E-03	1.32E+00	1.54E+00	5.33E+00	4.38E+00	2.91E-01	1.15E+01
4685	486363.09	3860377.25	8.59833	8.47162	13.378	4.44128	1.41E+00	6.57E+00	2.59E+00	3.27E-01	1.09E+01	1.39E+00	2.85E-04	2.84E-02	9.56E-03	1.42E+00	1.68E+00	6.57E+00	2.59E+00	3.27E-01	1.12E+01
4686	486863.09	3860377.25	9.33353	10.0371	9.1875	4.79784	1.53E+00	7.79E+00	1.78E+00	3.53E-01	1.14E+01	1.50E+00	3.37E-04	1.95E-02	1.03E-02	1.53E+00	1.83E+00	7.79E+00	1.78E+00	3.53E-01	1.17E+01
4687	487363.09	3860377.25	10.648	14.999	12.621	4.64048	1.74E+00	1.16E+01	2.45E+00	3.42E-01	1.62E+01	1.72E+00	5.04E-04	2.68E-02	9.99E-03	1.75E+00	2.08E+00	1.16E+01	2.45E+00	3.42E-01	1.65E+01
4688	487863.09	3860377.25	12.4385	26.2506	21.948	3.88472	2.03E+00	2.04E+01	4.26E+00	2.86E-01	2.69E+01	2.00E+00	8.82E-04	4.67E-02	8.36E-03	2.06E+00	2.43E+00	2.04E+01	4.26E+00	2.86E-01	2.73E+01
4689	488363.09	3860377.25	16.2895	32.7978	14.871	10.02347	2.66E+00	2.54E+01	2.88E+00	7.38E-01	3.17E+01	2.62E+00	1.10E-03	3.16E-02	2.16E-02	2.68E+00	3.19E+00	2.54E+01	2.88E+00	7.38E-01	3.23E+01
4690	488863.09	3860377.25	15.4715	36.304	10.573	13.88923	2.53E+00	2.82E+01	2.05E+00	1.02E+00	3.38E+01	2.49E+00	1.22E-03	2.25E-02	2.99E-02	2.55E+00	3.03E+00	2.82E+01	2.05E+00	1.02E+00	3.43E+01
4691	489363.09	3860377.25	16.2704	19.0375	15.153	10.249	2.66E+00	1.48E+01	2.94E+00	7.55E-01	2.11E+01	2.62E+00	6.40E-04	3.22E-02	2.21E-02	2.68E+00	3.18E+00	1.48E+01	2.94E+00	7.55E-01	2.16E+01
4692	489863.09	3860377.25	15.3594	15.8198	18.899	6.58166	2.51E+00	1.23E+01	3.66E+00	4.85E-01	1.89E+01	2.47E+00	5.31E-04	4.02E-02	1.42E-02	2.53E+00	3.01E+00	1.23E+01	3.66E+00	4.85E-01	1.94E+01
4693	490363.09	3860377.25	15.3083	15.0708	22.976	7.43659	2.50E+00	1.17E+01	4.46E+00	5.48E-01	1.92E+01	2.47E+00	5.06E-04	4.89E-02	1.60E-02	2.53E+00	3.00E+00	1.17E+01	4.46E+00	5.48E-01	1.97E+01

4694	490863.09	3860377.25	14.0113	13.0015	22.757	5.52908	2.29E+00	1.01E+01	4.41E+00	4.07E-01	1.72E+01	2.26E+00	4.37E-04	4.84E-02	1.19E-02	2.32E+00	2.74E+00	1.01E+01	4.41E+00	4.07E-01	1.76E+01
4695	491363.09	3860377.25	12.9045	9.82162	18.155	4.23184	2.11E+00	7.62E+00	3.52E+00	3.12E-01	1.36E+01	2.08E+00	3.30E-04	3.86E-02	9.11E-03	2.13E+00	2.53E+00	7.62E+00	3.52E+00	3.12E-01	1.40E+01
4696	491863.09	3860377.25	12.368	7.95654	16.501	4.06845	2.02E+00	6.17E+00	3.20E+00	3.00E-01	1.17E+01	1.99E+00	2.67E-04	3.51E-02	8.76E-03	2.04E+00	2.42E+00	6.17E+00	3.20E+00	3.00E-01	1.21E+01
4697	492363.09	3860377.25	12.17	7.12955	16.925	3.94836	1.99E+00	5.53E+00	3.28E+00	2.91E-01	1.11E+01	1.96E+00	2.39E-04	3.60E-02	8.50E-03	2.01E+00	2.38E+00	5.53E+00	3.28E+00	2.91E-01	1.15E+01
4698	492863.09	3860377.25	12.0045	6.56744	16.988	3.78991	1.96E+00	5.09E+00	3.29E+00	2.79E-01	1.06E+01	1.93E+00	2.21E-04	3.61E-02	8.16E-03	1.98E+00	2.35E+00	5.09E+00	3.29E+00	2.79E-01	1.10E+01
4699	493363.09	3860377.25	11.9134	6.16733	20.287	3.6358	1.95E+00	4.78E+00	3.93E+00	2.68E-01	1.09E+01	1.92E+00	2.07E-04	4.31E-02	7.83E-03	1.97E+00	2.33E+00	4.78E+00	3.93E+00	2.68E-01	1.13E+01
4700	493863.09	3860377.25	11.6495	5.66657	22.371	3.73337	1.91E+00	4.40E+00	4.34E+00	2.75E-01	1.09E+01	1.88E+00	1.90E-04	4.76E-02	8.04E-03	1.93E+00	2.28E+00	4.40E+00	4.34E+00	2.75E-01	1.13E+01
4701	494363.09	3860377.25	10.7706	5.01601	20.244	3.57837	1.76E+00	3.89E+00	3.93E+00	2.63E-01	9.84E+00	1.74E+00	1.68E-04	4.30E-02	7.70E-03	1.79E+00	2.11E+00	3.89E+00	3.93E+00	2.63E-01	1.02E+01
4702	494863.09	3860377.25	8.97697	4.79404	18.748	3.40774	1.47E+00	3.72E+00	3.64E+00	2.51E-01	9.07E+00	1.45E+00	1.61E-04	3.99E-02	7.34E-03	1.49E+00	1.76E+00	3.72E+00	3.64E+00	2.51E-01	9.36E+00
4703	495363.09	3860377.25	8.53007	4.47774	17.02	3.29511	1.40E+00	3.47E+00	3.30E+00	2.43E-01	8.41E+00	1.37E+00	1.50E-04	3.62E-02	7.09E-03	1.42E+00	1.67E+00	3.47E+00	3.30E+00	2.43E-01	8.69E+00
4704	495863.09	3860377.25	8.41523	3.48561	18.831	4.21538	1.38E+00	2.70E+00	3.65E+00	3.10E-01	8.04E+00	1.36E+00	1.17E-04	4.00E-02	9.07E-03	1.41E+00	1.65E+00	2.70E+00	3.65E+00	3.10E-01	8.31E+00
4705	496363.09	3860377.25	8.53376	2.48895	29.126	6.51419	1.40E+00	1.93E+00	5.65E+00	4.80E-01	9.45E+00	1.38E+00	8.36E-05	6.19E-02	1.40E-02	1.45E+00	1.67E+00	1.93E+00	5.65E+00	4.80E-01	9.73E+00
4706	496863.09	3860377.25	7.83307	1.96115	38.765	6.95684	1.28E+00	1.52E+00	7.52E+00	5.12E-01	1.08E+01	1.26E+00	6.59E-05	8.24E-02	1.50E-02	1.36E+00	1.53E+00	1.52E+00	7.52E+00	5.12E-01	1.11E+01
4707	497363.09	3860377.25	6.8734	1.49469	39.597	6.38481	1.12E+00	1.16E+00	7.68E+00	4.70E-01	1.04E+01	1.11E+00	5.02E-05	8.42E-02	1.37E-02	1.21E+00	1.34E+00	1.16E+00	7.68E+00	4.70E-01	1.07E+01
4708	497863.09	3860377.25	7.54743	2.17241	25.033	6.97147	1.23E+00	1.69E+00	4.85E+00	5.13E-01	8.29E+00	1.22E+00	7.30E-05	5.32E-02	1.50E-02	1.28E+00	1.48E+00	1.69E+00	4.85E+00	5.13E-01	8.53E+00
4709	498363.09	3860377.25	5.98457	3.1557	18.284	3.59508	9.79E-01	2.45E+00	3.55E+00	2.65E-01	7.24E+00	9.64E-01	1.06E-04	3.89E-02	7.74E-03	1.01E+00	1.17E+00	2.45E+00	3.55E+00	2.65E-01	7.43E+00
4710	471363.09	3860877.25	3.7096	2.00931	7.4038	2.9384	6.07E-01	1.56E+00	1.44E+00	2.16E-01	3.82E+00	5.98E-01	6.75E-05	1.57E-02	6.33E-03	6.20E-01	7.26E-01	1.56E+00	1.44E+00	2.16E-01	3.94E+00
4711	471863.09	3860877.25	3.81385	2.01703	7.5043	3.11289	6.24E-01	1.56E+00	1.46E+00	2.29E-01	3.87E+00	6.15E-01	6.78E-05	1.60E-02	6.70E-03	6.37E-01	7.46E-01	1.56E+00	1.46E+00	2.29E-01	4.00E+00
4712	472363.09	3860877.25	3.85018	2.07149	7.6832	3.20898	6.30E-01	1.61E+00	1.49E+00	2.36E-01	3.96E+00	6.20E-01	6.96E-05	1.63E-02	6.91E-03	6.44E-01	7.53E-01	1.61E+00	1.49E+00	2.36E-01	4.09E+00
4713	472863.09	3860877.25	3.83551	2.15322	8.1424	3.06519	6.27E-01	1.67E+00	1.58E+00	2.26E-01	4.10E+00	6.18E-01	7.23E-05	1.73E-02	6.60E-03	6.42E-01	7.51E-01	1.67E+00	1.58E+00	2.26E-01	4.23E+00
4714	473363.09	3860877.25	3.76905	2.16619	8.8944	2.9975	6.16E-01	1.68E+00	1.72E+00	2.21E-01	4.24E+00	6.07E-01	7.28E-05	1.89E-02	6.45E-03	6.33E-01	7.38E-01	1.68E+00	1.72E+00	2.21E-01	4.36E+00
4715	473863.09	3860877.25	3.81774	2.13951	9.742	2.95759	6.24E-01	1.66E+00	1.89E+00	2.18E-01	4.39E+00	6.15E-01	7.19E-05	2.07E-02	6.37E-03	6.42E-01	7.47E-01	1.66E+00	1.89E+00	2.18E-01	4.51E+00
4716	474363.09	3860877.25	3.94621	2.08029	10.831	3.07942	6.45E-01	1.61E+00	2.10E+00	2.27E-01	4.59E+00	6.36E-01	6.99E-05	2.30E-02	6.63E-03	6.66E-01	7.72E-01	1.61E+00	2.10E+00	2.27E-01	4.71E+00
4717	474863.09	3860877.25	4.02402	2.03521	12.311	4.03379	6.58E-01	1.58E+00	2.39E+00	2.97E-01	4.92E+00	6.48E-01	6.84E-05	2.62E-02	8.68E-03	6.83E-01	7.87E-01	1.58E+00	2.39E+00	2.97E-01	5.05E+00
4718	475363.09	3860877.25	4.02436	1.74254	14.865	4.81343	6.58E-01	1.35E+00	2.88E+00	3.54E-01	5.25E+00	6.48E-01	5.85E-05	3.16E-02	1.04E-02	6.90E-01	7.87E-01	1.35E+00	2.88E+00	3.54E-01	5.38E+00
4719	475863.09	3860877.25	3.83681	1.31868	17.607	5.18832	6.28E-01	1.02E+00	3.41E+00	3.82E-01	5.45E+00	6.18E-01	4.43E-05	3.74E-02	1.12E-02	6.67E-01	7.51E-01	1.02E+00	3.41E+00	3.82E-01	5.57E+00
4720	476363.09	3860877.25	3.34797	1.02677	17.466	4.93625	5.48E-01	7.96E-01	3.39E+00	3.63E-01	5.09E+00	5.39E-01	3.45E-05	3.71E-02	1.06E-02	5.87E-01	6.55E-01	7.97E-01	3.39E+00	3.63E-01	5.20E+00
4721	476863.09	3860877.25	3.05063	1.02441	16.483	5.46484	4.99E-01	7.95E-01	3.20E+00	4.02E-01	4.89E+00	4.92E-01	3.44E-05	3.50E-02	1.18E-02	5.38E-01	5.97E-01	7.95E-01	3.20E+00	4.02E-01	4.99E+00
4722	477363.09	3860877.25	3.09678	1.08242	17.734	5.39367	5.07E-01	8.40E-01	3.44E+00	3.97E-01	5.18E+00	4.99E-01	3.64E-05	3.77E-02	1.16E-02	5.48E-01	6.06E-01	8.40E-01	3.44E+00	3.97E-01	5.28E+00
4723	477863.09	3860877.25	2.64484	1.04729	15.92	3.60041	4.33E-01	8.12E-01	3.09E+00	2.65E-01	4.60E+00	4.26E-01	3.52E-05	3.38E-02	7.75E-03	4.68E-01	5.18E-01	8.12E-01	3.09E+00	2.65E-01	4.68E+00
4724	478363.09	3860877.25	1.53956	0.89227	10.976	2.21969	2.52E-01	6.92E-01	2.13E+00	1.63E-01	3.24E+00	2.48E-01	3.00E-05	2.33E-02	4.78E-03	2.76E-01	3.01E-01	6.92E-01	2.13E+00	1.63E-01	3.29E+00
4725	478863.09	3860877.25	3.22904	1.18263	18.559	8.97369	5.28E-01	9.17E-01	3.60E+00	6.61E-01	5.70E+00	5.20E-01	3.97E-05	3.95E-02	1.93E-02	5.79E-01	6.32E-01	9.17E-01	3.60E+00	6.61E-01	5.81E+00
4726	479363.09	3860877.25	4.2583	1.82233	21.915	9.48858	6.96E-01	1.41E+00	4.25E+00	6.99E-01	7.06E+00	6.86E-01	6.12E-05	4.66E-02	2.04E-02	7.53E-01	8.33E-01	1.41E+00	4.25E+00	6.99E-01	7.19E+00
4727	479863.09	3860877.25	4.72502	2.43087	17.207	3.41961	7.73E-01	1.89E+00	3.34E+00	2.52E-01	6.25E+00	7.61E-01	8.17E-05	3.66E-02	7.36E-03	8.05E-01	9.25E-01	1.89E+00	3.34E+00	2.52E-01	6.40E+00
4728	480363.09	3860877.25	4.91474	2.97327	16.691	2.44046	8.04E-01	2.31E+00	3.24E+00	1.80E-01	6.53E+00	7.92E-01	9.99E-05	3.55E-02	5.25E-03	8.33E-01	9.62E-01	2.31E+00	3.24E+00	1.80E-01	6.68E+00
4729	480863.09	3860877.25	5.07989	3.2601	15.815	2.45094	8.31E-01	2.53E+00	3.07E+00	1.80E-01	6.61E+00	8.19E-01	1.10E-04	3.36E-02	5.28E-03	8.58E-01	9.94E-01	2.53E+00	3.07E+00	1.80E-01	6.77E+00
4730	481363.09	3860877.25	5.26469	3.44122	15.747	2.61197	8.61E-01	2.67E+00	3.05E+00	1.92E-01	6.78E+00	8.48E-01	1.16E-04	3.35E-02	5.62E-03	8.88E-01	1.03E+00	2.67E+00	3.05E+00	1.92E-01	6.95E+00
4731	481863.09	3860877.25	5.47559	3.50136	16.697	2.70417	8.96E-01	2.72E+00	3.24E+00	1.99E-01	7.05E+00	8.82E-01	1.18E-04	3.55E-02	5.82E-03	9.24E-01	1.07E+00	2.72E+00	3.24E+00	1.99E-01	7.22E+00
4732	482363.09	3860877.25	5.51384	3.67808	17.038	2.83395	9.02E-01	2.85E+00	3.30E+00	2.09E-01	7.27E+00	8.88E-01	1.24E-04	3.62E-02	6.10E-03	9.31E-01	1.08E+00	2.85E+00	3.30E+00	2.09E-01	7.44E+00
4733	482863.09	3860877.25	5.68544	3.79598	15.488	2.93929	9.30E-01	2.94E+00	3.00E+00	2.16E-01	7.09E+00	9.16E-01	1.28E-04	3.29E-02	6.33E-03	9.55E-01	1.11E+00	2.94E+00	3.00E+00	2.16E-01	7.28E+00
4734	483363.09	3860877.25	5.66471	4.02358	19.773	3.34893	9.27E-01	3.12E+00	3.83E+00	2.47E-01	8.13E+00	9.13E-01	1.35E-04	4.20E-02	7.21E-03	9.62E-01	1.11E+00	3.12E+00	3.83E+00	2.47E-01	8.31E+00
4735	483863.09	3860877.25	5.74321	4.39807	20.968	3.43702	9.39E-01	3.41E+00	4.07E+00	2.53E-01	8.67E+00	9.25E-01	1.48E-04	4.46E-02	7.40E-03	9.78E-01	1.12E+00	3.41E+00	4.07E+00	2.53E-01	8.85E+00
4736	484363.09	3860877.25	6.48427	4.91376	21.837	3.24917	1.06E+00	3.81E+00	4.23E+00	2.39E-01	9.35E+00	1.04E+00	1.65E-04	4.64E-02	6.99E-03	1.10E+00	1.27E+00	3.81E+00	4.23E+00	2.39E-01	9.55E+00
4737	484863.09	3860877.25	6.62069	5.44865	22.964	3.53115	1.08E+00	4.23E+00	4.45E+00	2.60E-01	1.00E+01	1.07E+00	1.83E-04	4.88E-02	7.60E-03	1.12E+00	1.30E+00	4.23E+00	4.45E+00	2.60E-01	1.02E+01
4738	485363.09	3860877.25	7.07731	5.9536	20.832	3.68136	1.16E+00	4.62E+00	4.04E+00	2.71E-01	1.01E+01	1.14E+00	2.00E-04	4.43E-02	7.93E-03	1.19E+00	1.38E+00	4.62E+00	4.04E+00	2.71E-01	1.03E+01
4739	485863.09	3860877.25	7.52492	6.41303	16.047	3.86632	1.23E+00	4.97E+00	3.11E+00	2.85E-01	9.60E+00	1.21E+00	2.15E-04	3.41E-02	8.32E-03	1.26E+00	1.47E+00	4.97E+00	3.11E+00	2.85E-01	9.84E+00
4740	486363.09	3860877.25	7.87335	7.53503	12.305	3.70578	1.29E+00	5.84E+00	2.39E+00	2.73E-01	9.79E+00	1.27E+00	2.53E-04	2.62E-02	7.98E-03	1.30E+00	1.54E+00	5.85E+00	2.39E+00	2.73E-01	1.00E+01
4741	486863.09	3860877.25	8.45278	9.39098	6.4153	4.77207	1.38E+00	7.28E+00	1.24E+00	3.51E-01	1.03E+01	1.36E+00	3.15E-04	1.36E-02	1.03E-02	1.39E+00	1.65E+00	7.28E+00	1.24E+00	3.51E-01	1.05E+01
4742	487363.09	3860877.25	9.29325	12.8287	14.357	7.28703	1.52E+00	9.95E+00	2.78E+00	5.37E-01	1.48E+01	1.50E+00	4.31E-04	3.05E-02	1.57E-02	1.54E+00	1.82E+00	9.95E+00	2.78E+00	5.37E-01	1.51E+01
4743	487863.09	3860877.25	10.8196	16.1156	22.274	4.96736	1.77E+00	1.25E+01	4.32E+00	3.66E-01	1.90E+01	1.74E+00	5.41E-04	4.74E-02	1.07E-02	1.80E+00	2.12E+00	1.25E+01	4.32E+00	3.66E-01	1.93E+01
4744	488363.09	3860877.25	12.9511	22.3164	15.443	5.816	2.12E+00	1.73E+01	2.99E+00	4.28E-01	2.29E+01	2.09E+00	7.50E-04	3.28E-02	1.25E-02	2.13E+00	2.53E+00	1.73E+01	2.99E+00	4.28E-01	2.33E+01
4745	488863.09	3860877.25	14.9849	24.0916	10.337	6.71832	2.45E+00	1.87E+01	2.00E+00	4.95E-01	2.36E+01	2.41E+00	8.09E-04	2.20E-02	1.45E-02	2.45E+00	2.93E+00	1.87E+01	2.00E+00	4.95E-01	2.41E+01
4746	489363.09	3860877.25	14.3571	25.9067	12.965	9.70395	2.35E+00	2.01E+01	2.51E+00	7.14E-01	2.57E+01	2.31E+00	8.70E-04	2.76E-02	2.09E-02	2.36E+00	2.81E+00	2.01E+01	2.51E+00	7.14E-01	2.61E+01
4747	489863.09	3860877.25	14.2349	17.8624	14.357	7.23299	2.33E+00	1.39E+01	2.78E+00	5.33E-01	1.95E+01	2.29E+00	6.00E-04	3.05E-02	1.56E-02	2.34E+00	2.79E+00	1.39E+01	2.78E+00	5.33E-01	2.00E+01
4748	490363.09	3860877.25	14.0214	13.4211	19.024	5.84252	2.29E+00	1.04E+01	3.69E+00	4.30E-01	1.68E+01	2.26E+00	4.51E-04	4.04E-02	1.26E-02	2.31E+00	2.74E+00	1.04E+01	3.69E+00	4.30E-01	1.73E+01
4749	490863.09	3860877.25	14.0258	12.6905	21.526	4.88043	2.29E+00	9.84E+00	4.17E+00	3.59E-01	1.67E+01	2.26E+00	4.26E-04	4.58E-02	1.05E-02	2.32E+00	2.74E+00	9.84E+00	4.17E+00	3.59E-01	1.71E+01
4750	491363.09	3860877.25	12.6428	11.7314	21.497	4.35934	2.07E+00	9.10E+00	4.17E+00	3.21E-01	1.57E+01	2.04E+00	3.94E-04	4.57E-02	9.38E-03	2.09E+00	2.47E+00	9.10E+00	4.17E+00	3.21E-01	1.61E+01
4751	491863.09	3860877.25	11.6559	10.462	16.17	3.80104	1.91E+00	8.12E+00	3.14E+00	2.80E-01	1.34E+01	1.88E+00	3.51E-04	3.44E-02	8.18E-03	1.92E+00	2.28E+00	8.12E+00	3.14E+00	2.80E-01	1.38E+01
4752	492363.09	3860877.25	10.844	8.1824	14.814	3.43525	1.77E+00	6.35E+00	2.87E+00	2.53E-01	1.12E+01	1.75E+00	2.75E-04	3.15E-02	7.40E-03	1.79E+00	2.12E+00	6.35E+00	2.87E+00	2.53E-01	1.16E+01
4753	492863.09	3860877.25	10.2658	6.92812	14.48	3.40232	1.68E+00	5.37E+00	2.81E+00	2.50E-01	1.01E+01	1.65E+00	2.33E-04	3.08E-02	7.32E-03	1.69E+00	2.01E+00	5.37E+00	2.81E+00	2.50E-01	1.04E+01
4754	493363.09	3860877.25	10.0442	6.17099	14.371	3.48872	1.64E+00	4.79E+00	2.79E+00	2.57E-01	9.47E+00	1.62E+00	2.07E-04	3.06E-02	7.51E-03	1.66E+00	1.97E+00	4.79E+00	2.79E+00	2.57E-01	9.80E+00

4755	493863.09	3860877.25	10.2793	5.5885	14.224	3.49527	1.68E+00	4.33E+00	2.76E+00	2.57E-01	9.03E+00	1.66E+00	1.88E-04	3.02E-02	7.52E-03	1.69E+00	2.01E+00	4.34E+00	2.76E+00	2.57E-01	9.36E+00
4756	494363.09	3860877.25	9.75532	5.30561	16.058	3.58324	1.60E+00	4.12E+00	3.11E+00	2.64E-01	9.09E+00	1.57E+00	1.78E-04	3.41E-02	7.71E-03	1.61E+00	1.91E+00	4.12E+00	3.11E+00	2.64E-01	9.40E+00
4757	494863.09	3860877.25	9.88642	4.96746	17.54	3.76634	1.62E+00	3.85E+00	3.40E+00	2.77E-01	9.15E+00	1.59E+00	1.67E-04	3.73E-02	8.11E-03	1.64E+00	1.93E+00	3.85E+00	3.40E+00	2.77E-01	9.47E+00
4758	495363.09	3860877.25	9.22833	4.66301	18.641	3.77451	1.51E+00	3.62E+00	3.61E+00	2.78E-01	9.02E+00	1.49E+00	1.57E-04	3.96E-02	8.13E-03	1.53E+00	1.81E+00	3.62E+00	3.61E+00	2.78E-01	9.32E+00
4759	495863.09	3860877.25	7.75883	4.44164	16.445	3.67282	1.27E+00	3.45E+00	3.19E+00	2.70E-01	8.17E+00	1.25E+00	1.49E-04	3.50E-02	7.91E-03	1.29E+00	1.52E+00	3.45E+00	3.19E+00	2.70E-01	8.42E+00
4760	496363.09	3860877.25	7.53204	4.17554	15.984	3.4527	1.23E+00	3.24E+00	3.10E+00	2.54E-01	7.82E+00	1.21E+00	1.40E-04	3.40E-02	7.43E-03	1.26E+00	1.47E+00	3.24E+00	3.10E+00	2.54E-01	8.07E+00
4761	496863.09	3860877.25	7.61835	3.43719	15.257	3.75599	1.25E+00	2.67E+00	2.96E+00	2.77E-01	7.15E+00	1.23E+00	1.15E-04	3.24E-02	8.09E-03	1.27E+00	1.49E+00	2.67E+00	2.96E+00	2.77E-01	7.39E+00
4762	497363.09	3860877.25	7.28556	3.25927	16.882	3.79459	1.19E+00	2.53E+00	3.27E+00	2.79E-01	7.27E+00	1.17E+00	1.09E-04	3.59E-02	8.17E-03	1.22E+00	1.43E+00	2.53E+00	3.27E+00	2.79E-01	7.51E+00
4763	497863.09	3860877.25	7.25139	2.89544	19.885	4.50779	1.19E+00	2.25E+00	3.86E+00	3.32E-01	7.62E+00	1.17E+00	9.73E-05	4.23E-02	9.70E-03	1.22E+00	1.42E+00	2.25E+00	3.86E+00	3.32E-01	7.85E+00
4764	498363.09	3860877.25	6.03569	3.1958	16.476	3.28759	9.87E-01	2.48E+00	3.19E+00	2.42E-01	6.90E+00	9.73E-01	1.07E-04	3.50E-02	7.08E-03	1.01E+00	1.18E+00	2.48E+00	3.19E+00	2.42E-01	7.10E+00
4765	471363.09	3861377.25	3.52111	1.83671	8.4724	2.96609	5.76E-01	1.42E+00	1.64E+00	2.18E-01	3.86E+00	5.67E-01	6.17E-05	1.80E-02	6.39E-03	5.92E-01	6.89E-01	1.42E+00	1.64E+00	2.18E-01	3.98E+00
4766	471863.09	3861377.25	3.44085	1.87059	8.8536	2.86601	5.63E-01	1.45E+00	1.72E+00	2.11E-01	3.94E+00	5.54E-01	6.28E-05	1.88E-02	6.17E-03	5.79E-01	6.73E-01	1.45E+00	1.72E+00	2.11E-01	4.05E+00
4767	472363.09	3861377.25	3.47491	1.89935	9.1203	2.70011	5.68E-01	1.47E+00	1.77E+00	1.99E-01	4.01E+00	5.60E-01	6.38E-05	1.94E-02	5.81E-03	5.85E-01	6.80E-01	1.47E+00	1.77E+00	1.99E-01	4.12E+00
4768	472863.09	3861377.25	3.57044	1.9512	9.0717	2.60489	5.84E-01	1.51E+00	1.76E+00	1.92E-01	4.05E+00	5.75E-01	6.55E-05	1.93E-02	5.61E-03	6.00E-01	6.99E-01	1.51E+00	1.76E+00	1.92E-01	4.16E+00
4769	473363.09	3861377.25	3.66943	1.96027	9.1606	2.58718	6.00E-01	1.52E+00	1.78E+00	1.90E-01	4.09E+00	5.91E-01	6.58E-05	1.95E-02	5.57E-03	6.16E-01	7.18E-01	1.52E+00	1.78E+00	1.90E-01	4.21E+00
4770	473863.09	3861377.25	3.77628	1.90405	9.6074	2.67044	6.18E-01	1.48E+00	1.86E+00	1.97E-01	4.15E+00	6.08E-01	6.40E-05	2.04E-02	5.75E-03	6.35E-01	7.39E-01	1.48E+00	1.86E+00	1.97E-01	4.28E+00
4771	474363.09	3861377.25	3.78121	1.98205	10.488	2.54048	6.18E-01	1.54E+00	2.03E+00	1.87E-01	4.38E+00	6.09E-01	6.66E-05	2.23E-02	5.47E-03	6.37E-01	7.40E-01	1.54E+00	2.03E+00	1.87E-01	4.50E+00
4772	474863.09	3861377.25	3.8502	1.98092	11.572	2.73558	6.30E-01	1.54E+00	2.24E+00	2.01E-01	4.61E+00	6.20E-01	6.65E-05	2.46E-02	5.89E-03	6.51E-01	7.53E-01	1.54E+00	2.24E+00	2.01E-01	4.74E+00
4773	475363.09	3861377.25	3.88604	2.07384	12.212	2.65897	6.36E-01	1.61E+00	2.37E+00	1.96E-01	4.81E+00	6.26E-01	6.97E-05	2.60E-02	5.72E-03	6.58E-01	7.60E-01	1.61E+00	2.37E+00	1.96E-01	4.93E+00
4774	475863.09	3861377.25	3.93183	1.95165	13.376	4.00641	6.43E-01	1.51E+00	2.59E+00	2.95E-01	5.05E+00	6.34E-01	6.56E-05	2.84E-02	8.62E-03	6.71E-01	7.69E-01	1.51E+00	2.59E+00	2.95E-01	5.17E+00
4775	476363.09	3861377.25	3.91679	1.8544	14.104	5.30764	6.41E-01	1.44E+00	2.73E+00	3.91E-01	5.20E+00	6.31E-01	6.23E-05	3.00E-02	1.14E-02	6.73E-01	7.66E-01	1.44E+00	2.73E+00	3.91E-01	5.33E+00
4776	476863.09	3861377.25	3.85171	1.80643	14.195	6.17069	6.30E-01	1.40E+00	2.75E+00	4.54E-01	5.24E+00	6.21E-01	6.07E-05	3.02E-02	1.33E-02	6.64E-01	7.54E-01	1.40E+00	2.75E+00	4.54E-01	5.36E+00
4777	477363.09	3861377.25	3.80133	1.79277	15.124	6.95796	6.22E-01	1.39E+00	2.93E+00	5.12E-01	5.46E+00	6.13E-01	6.02E-05	3.22E-02	1.50E-02	6.60E-01	7.44E-01	1.39E+00	2.93E+00	5.12E-01	5.58E+00
4778	477863.09	3861377.25	3.23962	1.246	22.141	7.39891	5.30E-01	9.67E-01	4.29E+00	5.45E-01	6.33E+00	5.22E-01	4.19E-05	4.71E-02	1.59E-02	5.85E-01	6.34E-01	9.67E-01	4.29E+00	5.45E-01	6.44E+00
4779	478363.09	3861377.25	2.25064	0.96095	16.109	2.78714	3.68E-01	7.45E-01	3.12E+00	2.05E-01	4.44E+00	3.63E-01	3.23E-05	3.43E-02	6.00E-03	4.03E-01	4.40E-01	7.45E-01	3.12E+00	2.05E-01	4.51E+00
4780	478863.09	3861377.25	2.48451	0.9472	25.215	4.5496	4.06E-01	7.35E-01	4.89E+00	3.35E-01	6.37E+00	4.00E-01	3.18E-05	5.36E-02	9.79E-03	4.64E-01	4.86E-01	7.35E-01	4.89E+00	3.35E-01	6.45E+00
4781	479363.09	3861377.25	4.16731	1.73136	37.77	9.39625	6.82E-01	1.34E+00	7.32E+00	6.92E-01	1.00E+01	6.71E-01	5.82E-05	8.03E-02	2.02E-02	7.72E-01	8.15E-01	1.34E+00	7.32E+00	6.92E-01	1.02E+01
4782	479863.09	3861377.25	4.58713	2.33524	16.282	3.22579	7.50E-01	1.81E+00	3.16E+00	2.37E-01	5.96E+00	7.39E-01	7.84E-05	3.46E-02	6.94E-03	7.81E-01	8.98E-01	1.81E+00	3.16E+00	2.37E-01	6.10E+00
4783	480363.09	3861377.25	4.75407	2.87788	13.876	2.55213	7.78E-01	2.23E+00	2.69E+00	1.88E-01	5.89E+00	7.66E-01	9.67E-05	2.95E-02	5.49E-03	8.01E-01	9.30E-01	2.23E+00	2.69E+00	1.88E-01	6.04E+00
4784	480863.09	3861377.25	4.88074	3.06026	15.364	2.66657	7.98E-01	2.37E+00	2.98E+00	1.96E-01	6.35E+00	7.86E-01	1.03E-04	3.27E-02	5.74E-03	8.25E-01	9.55E-01	2.37E+00	2.98E+00	1.96E-01	6.50E+00
4785	481363.09	3861377.25	5.05911	3.2423	15.758	2.75179	8.27E-01	2.52E+00	3.06E+00	2.03E-01	6.60E+00	8.15E-01	1.09E-04	3.35E-02	5.92E-03	8.55E-01	9.90E-01	2.52E+00	3.06E+00	2.03E-01	6.76E+00
4786	481863.09	3861377.25	5.04008	3.3968	14.63	2.80007	8.24E-01	2.63E+00	2.84E+00	2.06E-01	6.50E+00	8.12E-01	1.14E-04	3.11E-02	6.03E-03	8.49E-01	9.86E-01	2.64E+00	2.84E+00	2.06E-01	6.66E+00
4787	482363.09	3861377.25	5.21048	3.50755	16.521	2.83938	8.52E-01	2.72E+00	3.20E+00	2.09E-01	6.99E+00	8.40E-01	1.18E-04	3.51E-02	6.11E-03	8.81E-01	1.02E+00	2.72E+00	3.20E+00	2.09E-01	7.15E+00
4788	482863.09	3861377.25	5.19771	3.71584	19.004	3.01146	8.50E-01	2.88E+00	3.68E+00	2.22E-01	7.64E+00	8.38E-01	1.25E-04	4.04E-02	6.48E-03	8.85E-01	1.02E+00	2.88E+00	3.68E+00	2.22E-01	7.81E+00
4789	483363.09	3861377.25	5.29118	3.90594	18.224	3.40902	8.65E-01	3.03E+00	3.53E+00	2.51E-01	7.68E+00	8.53E-01	1.31E-04	3.87E-02	7.34E-03	8.99E-01	1.04E+00	3.03E+00	3.53E+00	2.51E-01	7.85E+00
4790	483863.09	3861377.25	5.38154	4.20189	22.921	3.5982	8.80E-01	3.26E+00	4.44E+00	2.65E-01	8.85E+00	8.67E-01	1.41E-04	4.87E-02	7.75E-03	9.24E-01	1.05E+00	3.26E+00	4.44E+00	2.65E-01	9.02E+00
4791	484363.09	3861377.25	6.3378	4.55721	22.455	3.31049	1.04E+00	3.54E+00	4.35E+00	2.44E-01	9.17E+00	1.02E+00	1.53E-04	4.77E-02	7.13E-03	1.08E+00	1.24E+00	3.54E+00	4.35E+00	2.44E-01	9.37E+00
4792	484863.09	3861377.25	6.49013	4.69397	19.595	3.16225	1.06E+00	3.64E+00	3.80E+00	2.33E-01	8.74E+00	1.05E+00	1.58E-04	4.17E-02	6.81E-03	1.09E+00	1.27E+00	3.64E+00	3.80E+00	2.33E-01	8.94E+00
4793	485363.09	3861377.25	6.72007	5.0528	16.069	3.15288	1.10E+00	3.92E+00	3.12E+00	2.32E-01	8.37E+00	1.08E+00	1.70E-04	3.42E-02	6.79E-03	1.12E+00	1.31E+00	3.92E+00	3.12E+00	2.32E-01	8.58E+00
4794	485863.09	3861377.25	7.07655	5.75461	10.569	4.28641	1.16E+00	4.46E+00	2.05E+00	3.16E-01	7.99E+00	1.14E+00	1.93E-04	2.25E-02	9.23E-03	1.17E+00	1.38E+00	4.46E+00	2.05E+00	3.16E-01	8.21E+00
4795	486363.09	3861377.25	7.27808	7.2901	12.01	4.49307	1.19E+00	5.65E+00	2.33E+00	3.31E-01	9.51E+00	1.17E+00	2.45E-04	2.55E-02	9.67E-03	1.21E+00	1.42E+00	5.66E+00	2.33E+00	3.31E-01	9.74E+00
4796	486863.09	3861377.25	7.75484	8.67079	8.5115	4.93954	1.27E+00	6.73E+00	1.65E+00	3.64E-01	1.00E+01	1.25E+00	2.91E-04	1.81E-02	1.06E-02	1.28E+00	1.52E+00	6.73E+00	1.65E+00	3.64E-01	1.03E+01
4797	487363.09	3861377.25	8.33955	10.7155	15.177	3.2514	1.36E+00	8.31E+00	2.94E+00	2.39E-01	1.29E+01	1.34E+00	3.60E-04	3.23E-02	7.00E-03	1.38E+00	1.63E+00	8.31E+00	2.94E+00	2.39E-01	1.31E+01
4798	487863.09	3861377.25	9.44912	11.2198	21.898	2.75608	1.55E+00	8.70E+00	4.25E+00	2.03E-01	1.47E+01	1.52E+00	3.77E-04	4.66E-02	5.93E-03	1.58E+00	1.85E+00	8.70E+00	4.25E+00	2.03E-01	1.50E+01
4799	488363.09	3861377.25	10.2457	13.22	14.548	3.60224	1.68E+00	1.03E+01	2.82E+00	2.65E-01	1.50E+01	1.65E+00	4.44E-04	3.09E-02	7.75E-03	1.69E+00	2.00E+00	1.03E+01	2.82E+00	2.65E-01	1.53E+01
4800	488863.09	3861377.25	13.4931	16.9642	10.973	5.75796	2.21E+00	1.32E+01	2.13E+00	4.24E-01	1.79E+01	2.17E+00	5.70E-04	2.33E-02	1.24E-02	2.21E+00	2.64E+00	1.32E+01	2.13E+00	4.24E-01	1.84E+01
4801	489363.09	3861377.25	12.6861	18.2079	9.6949	6.65181	2.07E+00	1.41E+01	1.88E+00	4.90E-01	1.86E+01	2.04E+00	6.12E-04	2.06E-02	1.43E-02	2.08E+00	2.48E+00	1.41E+01	1.88E+00	4.90E-01	1.90E+01
4802	489863.09	3861377.25	12.8121	19.0249	12.084	7.06699	2.10E+00	1.48E+01	2.34E+00	5.20E-01	1.97E+01	2.06E+00	6.39E-04	2.57E-02	1.52E-02	2.11E+00	2.51E+00	1.48E+01	2.34E+00	5.20E-01	2.01E+01
4803	490363.09	3861377.25	12.1056	16.1163	14.121	6.49099	1.98E+00	1.25E+01	2.74E+00	4.78E-01	1.77E+01	1.95E+00	5.41E-04	3.00E-02	1.40E-02	2.00E+00	2.37E+00	1.25E+01	2.74E+00	4.78E-01	1.81E+01
4804	490863.09	3861377.25	12.436	12.4053	17.931	5.48367	2.03E+00	9.62E+00	3.48E+00	4.04E-01	1.55E+01	2.00E+00	4.17E-04	3.81E-02	1.18E-02	2.05E+00	2.43E+00	9.62E+00	3.48E+00	4.04E-01	1.59E+01
4805	491363.09	3861377.25	12.5019	11.0364	19.782	4.5615	2.04E+00	8.56E+00	3.84E+00	3.36E-01	1.48E+01	2.01E+00	3.71E-04	4.21E-02	9.82E-03	2.07E+00	2.45E+00	8.56E+00	3.84E+00	3.36E-01	1.52E+01
4806	491863.09	3861377.25	11.0095	10.3318	19.97	4.27454	1.80E+00	8.01E+00	3.87E+00	3.15E-01	1.40E+01	1.77E+00	3.47E-04	4.25E-02	9.20E-03	1.83E+00	2.15E+00	8.01E+00	3.87E+00	3.15E-01	1.44E+01
4807	492363.09	3861377.25	10.4579	9.6093	15.041	3.9683	1.71E+00	7.45E+00	2.92E+00	2.92E-01	1.24E+01	1.69E+00	3.23E-04	3.20E-02	8.54E-03	1.73E+00	2.05E+00	7.45E+00	2.92E+00	2.92E-01	1.27E+01
4808	492863.09	3861377.25	9.89945	8.71165	13.628	3.66755	1.62E+00	6.76E+00	2.64E+00	2.70E-01	1.13E+01	1.60E+00	2.93E-04	2.90E-02	7.90E-03	1.63E+00	1.94E+00	6.76E+00	2.64E+00	2.70E-01	1.16E+01
4809	493363.09	3861377.25	9.10033	7.14744	12.789	3.44256	1.49E+00	5.54E+00	2.48E+00	2.53E-01	9.77E+00	1.47E+00	2.40E-04	2.72E-02	7.41E-03	1.50E+00	1.78E+00	5.54E+00	2.48E+00	2.53E-01	1.01E+01
4810	493863.09	3861377.25	8.66913	6.14624	13.749	3.2145	1.42E+00	4.77E+00	2.67E+00	2.37E-01	9.09E+00	1.40E+00	2.06E-04	2.92E-02	6.92E-03	1.43E+00	1.70E+00	4.77E+00	2.67E+00	2.37E-01	9.37E+00
4811	494363.09	3861377.25	8.52043	5.4625	12.442	3.04941	1.39E+00	4.24E+00	2.41E+00	2.25E-01	8.27E+00	1.37E+00	1.83E-04	2.65E-02	6.56E-03	1.41E+00	1.67E+00	4.24E+00	2.41E+00	2.25E-01	8.54E+00
4812	494863.09	3861377.25	8.64341	5.0015	12.067	3.08457	1.41E+00	3.88E+00	2.34E+00	2.27E-01	7.86E+00	1.39E+00	1.68E-04	2.57E-02	6.64E-03	1.43E+00	1.69E+00	3.88E+00	2.34E+00	2.27E-01	8.14E+00
4813	495363.09	3861377.25	8.19505	4.61504	13.554	3.0857	1.34E+00	3.58E+00	2.63E+00	2.27E-01	7.78E+00	1.32E+00	1.55E-04	2.88E-02	6.64E-03	1.36E+00	1.60E+00	3.58E+00	2.63E+00	2.27E-01	8.04E+00
4814	495863.09	3861377.25	8.29623	4.32268	14.592	3.12625	1.36E+00	3.35E+00	2.83E+00	2.30E-01	7.77E+00	1.34E+00	1.45E-04	3.10E-02	6.73E-03	1.37E+00	1.62E+00	3.35E+00	2.83E+00	2.30E-01	8.04E+00
4815	496363.09	3861377.25	7.90699	4.22698	15.444	3.25233	1.29E+00	3.28E+00	2.99E+00	2.39E-01	7.81E+00	1.27E+00	1.42E-04	3.28E-02	7.00E-03	1.31E+00	1.55E+00	3.28E+00	2.99E+00	2.39E-01	8.06E+00

4816	496863.09	3861377.25	6.9286	4.02904	16.297	3.49882	1.13E+00	3.13E+00	3.16E+00	2.58E-01	7.68E+00	1.12E+00	1.35E-04	3.46E-02	7.53E-03	1.16E+00	1.36E+00	3.13E+00	3.16E+00	2.58E-01	7.90E+00
4817	497363.09	3861377.25	6.68414	4.01243	14.587	3.43649	1.09E+00	3.11E+00	2.83E+00	2.53E-01	7.29E+00	1.08E+00	1.35E-04	3.10E-02	7.40E-03	1.12E+00	1.31E+00	3.11E+00	2.83E+00	2.53E-01	7.50E+00
4818	497863.09	3861377.25	6.41047	3.8271	13.798	3.3897	1.05E+00	2.97E+00	2.68E+00	2.50E-01	6.94E+00	1.03E+00	1.29E-04	2.93E-02	7.30E-03	1.07E+00	1.25E+00	2.97E+00	2.68E+00	2.50E-01	7.15E+00
4819	498363.09	3861377.25	6.03016	3.6218	13.731	3.31621	9.86E-01	2.81E+00	2.66E+00	2.44E-01	6.70E+00	9.72E-01	1.22E-04	2.92E-02	7.14E-03	1.01E+00	1.18E+00	2.81E+00	2.66E+00	2.44E-01	6.90E+00
4820	471363.09	3861877.25	3.25612	1.74028	8.2007	2.19584	5.33E-01	1.35E+00	1.59E+00	1.62E-01	3.63E+00	5.25E-01	5.85E-05	1.74E-02	4.73E-03	5.47E-01	6.37E-01	1.35E+00	1.59E+00	1.62E-01	3.74E+00
4821	471863.09	3861877.25	3.36677	1.79978	8.6963	2.14905	5.51E-01	1.40E+00	1.69E+00	1.58E-01	3.79E+00	5.42E-01	6.05E-05	1.85E-02	4.63E-03	5.66E-01	6.59E-01	1.40E+00	1.69E+00	1.58E-01	3.90E+00
4822	472363.09	3861877.25	3.4369	1.84556	9.4452	2.14355	5.62E-01	1.43E+00	1.83E+00	1.58E-01	3.98E+00	5.54E-01	6.20E-05	2.01E-02	4.61E-03	5.79E-01	6.73E-01	1.43E+00	1.83E+00	1.58E-01	4.09E+00
4823	472863.09	3861877.25	3.48095	1.90686	10.165	2.14848	5.69E-01	1.48E+00	1.97E+00	1.58E-01	4.18E+00	5.61E-01	6.41E-05	2.16E-02	4.63E-03	5.87E-01	6.81E-01	1.48E+00	1.97E+00	1.58E-01	4.29E+00
4824	473363.09	3861877.25	3.50562	1.98284	10.768	2.10337	5.73E-01	1.54E+00	2.09E+00	1.55E-01	4.35E+00	5.65E-01	6.66E-05	2.29E-02	4.53E-03	5.92E-01	6.86E-01	1.54E+00	2.09E+00	1.55E-01	4.47E+00
4825	473863.09	3861877.25	3.57354	2.00291	11.147	2.10296	5.84E-01	1.55E+00	2.16E+00	1.55E-01	4.45E+00	5.76E-01	6.73E-05	2.37E-02	4.53E-03	6.04E-01	6.99E-01	1.55E+00	2.16E+00	1.55E-01	4.57E+00
4826	474363.09	3861877.25	3.64451	2.04923	11.191	2.06854	5.96E-01	1.59E+00	2.17E+00	1.52E-01	4.51E+00	5.87E-01	6.88E-05	2.38E-02	4.45E-03	6.16E-01	7.13E-01	1.59E+00	2.17E+00	1.52E-01	4.63E+00
4827	474863.09	3861877.25	3.68127	2.08338	10.946	2.21255	6.02E-01	1.62E+00	2.12E+00	1.63E-01	4.50E+00	5.93E-01	7.00E-05	2.33E-02	4.76E-03	6.21E-01	7.20E-01	1.62E+00	2.12E+00	1.63E-01	4.62E+00
4828	475363.09	3861877.25	3.66806	2.17756	10.588	2.29442	6.00E-01	1.69E+00	2.05E+00	1.69E-01	4.51E+00	5.91E-01	7.31E-05	2.25E-02	4.94E-03	6.19E-01	7.18E-01	1.69E+00	2.05E+00	1.69E-01	4.63E+00
4829	475863.09	3861877.25	3.63916	2.2973	10.663	2.27831	5.95E-01	1.78E+00	2.07E+00	1.68E-01	4.61E+00	5.86E-01	7.72E-05	2.27E-02	4.90E-03	6.14E-01	7.12E-01	1.78E+00	2.07E+00	1.68E-01	4.73E+00
4830	476363.09	3861877.25	3.60789	2.32716	11.349	2.42397	5.90E-01	1.81E+00	2.20E+00	1.78E-01	4.77E+00	5.81E-01	7.82E-05	2.41E-02	5.22E-03	6.11E-01	7.06E-01	1.81E+00	2.20E+00	1.78E-01	4.89E+00
4831	476863.09	3861877.25	3.62359	2.22127	13.429	3.04493	5.93E-01	1.72E+00	2.60E+00	2.24E-01	5.14E+00	5.84E-01	7.46E-05	2.86E-02	6.55E-03	6.19E-01	7.09E-01	1.72E+00	2.60E+00	2.24E-01	5.26E+00
4832	477363.09	3861877.25	3.53206	2.02429	17.728	3.58215	5.78E-01	1.57E+00	3.44E+00	2.64E-01	5.85E+00	5.69E-01	6.80E-05	3.77E-02	7.71E-03	6.15E-01	6.91E-01	1.57E+00	3.44E+00	2.64E-01	5.96E+00
4833	477863.09	3861877.25	3.20905	1.20991	38.437	9.60203	5.25E-01	9.39E-01	7.45E+00	7.07E-01	9.62E+00	5.17E-01	4.06E-05	8.17E-02	2.07E-02	6.20E-01	6.28E-01	9.39E-01	7.45E+00	7.07E-01	9.73E+00
4834	478363.09	3861877.25	1.83865	0.88034	12.249	2.24871	3.01E-01	6.83E-01	2.38E+00	1.66E-01	3.52E+00	2.96E-01	2.96E-05	2.60E-02	4.84E-03	3.27E-01	3.60E-01	6.83E-01	2.38E+00	1.66E-01	3.58E+00
4835	478863.09	3861877.25	2.79245	1.08712	17.961	3.76543	4.57E-01	8.43E-01	3.48E+00	2.77E-01	5.06E+00	4.50E-01	3.65E-05	3.82E-02	8.11E-03	4.96E-01	5.46E-01	8.43E-01	3.48E+00	2.77E-01	5.15E+00
4836	479363.09	3861877.25	2.6168	0.99701	15.019	2.7716	4.28E-01	7.73E-01	2.91E+00	2.04E-01	4.32E+00	4.22E-01	3.35E-05	3.19E-02	5.97E-03	4.60E-01	5.12E-01	7.73E-01	2.91E+00	2.04E-01	4.40E+00
4837	479863.09	3861877.25	4.4555	2.08477	15.115	3.57788	7.29E-01	1.62E+00	2.93E+00	2.63E-01	5.54E+00	7.18E-01	7.00E-05	3.21E-02	7.70E-03	7.58E-01	8.72E-01	1.62E+00	2.93E+00	2.63E-01	5.68E+00
4838	480363.09	3861877.25	4.59257	2.72176	14.594	2.54278	7.51E-01	2.11E+00	2.83E+00	1.87E-01	5.88E+00	7.40E-01	9.14E-05	3.10E-02	5.47E-03	7.77E-01	8.99E-01	2.11E+00	2.83E+00	1.87E-01	6.03E+00
4839	480863.09	3861877.25	4.71021	2.94265	13.752	2.60657	7.70E-01	2.28E+00	2.67E+00	1.92E-01	5.91E+00	7.59E-01	9.88E-05	2.92E-02	5.61E-03	7.94E-01	9.22E-01	2.28E+00	2.67E+00	1.92E-01	6.06E+00
4840	481363.09	3861877.25	4.67264	3.05747	14.1	2.61727	7.64E-01	2.37E+00	2.73E+00	1.93E-01	6.06E+00	7.53E-01	1.03E-04	3.00E-02	5.63E-03	7.89E-01	9.14E-01	2.37E+00	2.73E+00	1.93E-01	6.21E+00
4841	481863.09	3861877.25	4.81549	3.22125	16.655	2.66224	7.88E-01	2.50E+00	3.23E+00	1.96E-01	6.71E+00	7.76E-01	1.08E-04	3.54E-02	5.73E-03	8.17E-01	9.42E-01	2.50E+00	3.23E+00	1.96E-01	6.87E+00
4842	482363.09	3861877.25	4.83099	3.32969	17.076	2.79955	7.90E-01	2.58E+00	3.31E+00	2.06E-01	6.89E+00	7.78E-01	1.12E-04	3.63E-02	6.03E-03	8.21E-01	9.45E-01	2.58E+00	3.31E+00	2.06E-01	7.05E+00
4843	482863.09	3861877.25	4.92446	3.4246	18.73	3.18158	8.05E-01	2.66E+00	3.63E+00	2.34E-01	7.33E+00	7.93E-01	1.15E-04	3.98E-02	6.85E-03	8.40E-01	9.64E-01	2.66E+00	3.63E+00	2.34E-01	7.49E+00
4844	483363.09	3861877.25	4.95321	3.74998	22.39	3.64445	8.10E-01	2.91E+00	4.34E+00	2.68E-01	8.33E+00	7.98E-01	1.26E-04	4.76E-02	7.85E-03	8.54E-01	9.69E-01	2.91E+00	4.34E+00	2.68E-01	8.49E+00
4845	483863.09	3861877.25	5.21618	3.97466	20.23	3.61177	8.53E-01	3.08E+00	3.92E+00	2.66E-01	8.13E+00	8.40E-01	1.34E-04	4.30E-02	7.78E-03	8.91E-01	1.02E+00	3.08E+00	3.92E+00	2.66E-01	8.29E+00
4846	484363.09	3861877.25	6.01709	4.07808	18.183	3.00311	9.84E-01	3.16E+00	3.53E+00	2.21E-01	7.89E+00	9.70E-01	1.37E-04	3.87E-02	6.46E-03	1.01E+00	1.18E+00	3.16E+00	3.53E+00	2.21E-01	8.09E+00
4847	484863.09	3861877.25	6.30021	4.38444	16.74	2.99673	1.03E+00	3.40E+00	3.25E+00	2.21E-01	7.90E+00	1.02E+00	1.47E-04	3.56E-02	6.45E-03	1.06E+00	1.23E+00	3.40E+00	3.25E+00	2.21E-01	8.10E+00
4848	485363.09	3861877.25	6.54043	4.67886	9.6581	2.97927	1.07E+00	3.63E+00	1.87E+00	2.19E-01	6.79E+00	1.05E+00	1.57E-04	2.05E-02	6.41E-03	1.08E+00	1.28E+00	3.63E+00	1.87E+00	2.19E-01	7.00E+00
4849	485863.09	3861877.25	6.72985	6.02716	15.517	3.30692	1.10E+00	4.68E+00	3.01E+00	2.43E-01	9.03E+00	1.08E+00	2.02E-04	3.30E-02	7.12E-03	1.12E+00	1.32E+00	4.68E+00	3.01E+00	2.43E-01	9.24E+00
4850	486363.09	3861877.25	6.76305	6.64082	7.8364	3.60126	1.11E+00	5.15E+00	1.52E+00	2.65E-01	8.04E+00	1.09E+00	2.23E-04	1.67E-02	7.75E-03	1.11E+00	1.32E+00	5.15E+00	1.52E+00	2.65E-01	8.26E+00
4851	486863.09	3861877.25	7.24727	7.74544	10.425	2.77811	1.19E+00	6.01E+00	2.02E+00	2.05E-01	9.42E+00	1.17E+00	2.60E-04	2.22E-02	5.98E-03	1.20E+00	1.42E+00	6.01E+00	2.02E+00	2.05E-01	9.65E+00
4852	487363.09	3861877.25	7.50978	8.29862	16.276	2.22412	1.23E+00	6.44E+00	3.16E+00	1.64E-01	1.10E+01	1.21E+00	2.79E-04	3.46E-02	4.79E-03	1.25E+00	1.47E+00	6.44E+00	3.16E+00	1.64E-01	1.12E+01
4853	487863.09	3861877.25	8.50003	8.92789	20.884	2.99282	1.39E+00	6.93E+00	4.05E+00	2.20E-01	1.26E+01	1.37E+00	3.00E-04	4.44E-02	6.44E-03	1.42E+00	1.66E+00	6.93E+00	4.05E+00	2.20E-01	1.29E+01
4854	488363.09	3861877.25	9.23638	9.28015	14.001	3.29023	1.51E+00	7.20E+00	2.71E+00	2.42E-01	1.17E+01	1.49E+00	3.12E-04	2.98E-02	7.08E-03	1.53E+00	1.81E+00	7.20E+00	2.71E+00	2.42E-01	1.20E+01
4855	488863.09	3861877.25	10.0525	12.4207	10.527	5.04916	1.64E+00	9.63E+00	2.04E+00	3.72E-01	1.37E+01	1.62E+00	4.17E-04	2.24E-02	1.09E-02	1.65E+00	1.97E+00	9.64E+00	2.04E+00	3.72E-01	1.40E+01
4856	489363.09	3861877.25	12.7274	14.0317	8.3747	4.37733	2.08E+00	1.09E+01	1.62E+00	3.22E-01	1.49E+01	2.05E+00	4.71E-04	1.78E-02	9.42E-03	2.08E+00	2.49E+00	1.09E+01	1.62E+00	3.22E-01	1.53E+01
4857	489863.09	3861877.25	11.3387	15.0767	10.192	5.97163	1.85E+00	1.17E+01	1.98E+00	4.40E-01	1.60E+01	1.83E+00	5.06E-04	2.17E-02	1.29E-02	1.86E+00	2.22E+00	1.17E+01	1.98E+00	4.40E-01	1.63E+01
4858	490363.09	3861877.25	11.7808	15.2083	11.199	6.55983	1.93E+00	1.18E+01	2.17E+00	4.83E-01	1.64E+01	1.90E+00	5.11E-04	2.38E-02	1.41E-02	1.94E+00	2.31E+00	1.18E+01	2.17E+00	4.83E-01	1.68E+01
4859	490863.09	3861877.25	10.5537	13.9883	13.656	6.08464	1.73E+00	1.09E+01	2.65E+00	4.48E-01	1.57E+01	1.70E+00	4.70E-04	2.90E-02	1.31E-02	1.74E+00	2.07E+00	1.09E+01	2.65E+00	4.48E-01	1.60E+01
4860	491363.09	3861877.25	10.934	11.596	16.331	5.15766	1.79E+00	8.99E+00	3.17E+00	3.80E-01	1.43E+01	1.76E+00	3.90E-04	3.47E-02	1.11E-02	1.81E+00	2.14E+00	9.00E+00	3.17E+00	3.80E-01	1.47E+01
4861	491863.09	3861877.25	11.0682	10.1418	18.186	4.51256	1.81E+00	7.87E+00	3.53E+00	3.32E-01	1.35E+01	1.78E+00	3.41E-04	3.87E-02	9.71E-03	1.83E+00	2.17E+00	7.87E+00	3.53E+00	3.32E-01	1.39E+01
4862	492363.09	3861877.25	9.42866	9.36749	19.099	3.9055	1.54E+00	7.27E+00	3.70E+00	2.88E-01	1.28E+01	1.52E+00	3.15E-04	4.06E-02	8.41E-03	1.57E+00	1.85E+00	7.27E+00	3.70E+00	2.88E-01	1.31E+01
4863	492863.09	3861877.25	9.46379	8.82647	14.37	3.82634	1.55E+00	6.85E+00	2.79E+00	2.82E-01	1.15E+01	1.52E+00	2.96E-04	3.06E-02	8.24E-03	1.56E+00	1.85E+00	6.85E+00	2.79E+00	2.82E-01	1.18E+01
4864	493363.09	3861877.25	8.66032	8.24423	12.014	3.73995	1.42E+00	6.40E+00	2.33E+00	2.75E-01	1.04E+01	1.40E+00	2.77E-04	2.55E-02	8.05E-03	1.43E+00	1.69E+00	6.40E+00	2.33E+00	2.75E-01	1.07E+01
4865	493863.09	3861877.25	8.15825	7.48513	11.607	3.59861	1.33E+00	5.81E+00	2.25E+00	2.65E-01	9.66E+00	1.31E+00	2.51E-04	2.47E-02	7.75E-03	1.35E+00	1.60E+00	5.81E+00	2.25E+00	2.65E-01	9.92E+00
4866	494363.09	3861877.25	7.86095	6.25595	12.141	3.37168	1.29E+00	4.85E+00	2.35E+00	2.48E-01	8.74E+00	1.27E+00	2.10E-04	2.58E-02	7.26E-03	1.30E+00	1.54E+00	4.85E+00	2.35E+00	2.48E-01	8.99E+00
4867	494863.09	3861877.25	7.64131	5.48175	13.468	3.15844	1.25E+00	4.25E+00	2.61E+00	2.33E-01	8.35E+00	1.23E+00	1.84E-04	2.86E-02	6.80E-03	1.27E+00	1.50E+00	4.25E+00	2.61E+00	2.33E-01	8.59E+00
4868	495363.09	3861877.25	7.42858	4.99908	11.051	2.94195	1.22E+00	3.88E+00	2.14E+00	2.17E-01	7.45E+00	1.20E+00	1.68E-04	2.35E-02	6.33E-03	1.23E+00	1.45E+00	3.88E+00	2.14E+00	2.17E-01	7.69E+00
4869	495863.09	3861877.25	7.54238	4.57097	10.565	2.78651	1.23E+00	3.55E+00	2.05E+00	2.05E-01	7.03E+00	1.22E+00	1.54E-04	2.25E-02	6.00E-03	1.24E+00	1.48E+00	3.55E+00	2.05E+00	2.05E-01	7.28E+00
4870	496363.09	3861877.25	7.18689	4.27778	11.865	2.80494	1.18E+00	3.32E+00	2.30E+00	2.07E-01	7.00E+00	1.16E+00	1.44E-04	2.52E-02	6.04E-03	1.19E+00	1.41E+00	3.32E+00	2.30E+00	2.07E-01	7.23E+00
4871	496863.09	3861877.25	8.04812	4.16429	15.694	3.14038	1.32E+00	3.23E+00	3.04E+00	2.31E-01	7.82E+00	1.30E+00	1.40E-04	3.34E-02	6.76E-03	1.34E+00	1.57E+00	3.23E+00	3.04E+00	2.31E-01	8.08E+00
4872	497363.09	3861877.25	7.15904	3.85031	14.114	3.05204	1.17E+00	2.99E+00	2.74E+00	2.25E-01	7.12E+00	1.15E+00	1.29E-04	3.00E-02	6.57E-03	1.19E+00	1.40E+00	2.99E+00	2.74E+00	2.25E-01	7.35E+00
4873	497863.09	3861877.25	6.02989	3.67546	13.769	2.96044	9.86E-01	2.85E+00	2.67E+00	2.18E-01	6.73E+00	9.72E-01	1.23E-04	2.93E-02	6.37E-03	1.01E+00	1.18E+00	2.85E+00	2.67E+00	2.18E-01	6.92E+00
4874	498363.09	3861877.25	5.73098	3.54242	12.455	2.93937	9.37E-01	2.75E+00	2.42E+00	2.16E-01	6.32E+00	9.23E-01	1.19E-04	2.65E-02	6.33E-03	9.56E-01	1.12E+00	2.75E+00	2.42E+00	2.16E-01	6.50E+00
4875	471363.09	3862377.25	3.21913	1.77671	9.8701	1.92748	5.27E-01	1.38E+00	1.91E+00	1.42E-01	3.96E+00	5.19E-01	5.97E-05	2.10E-02	4.15E-03	5.44E-01	6.30E-01	1.38E+00	1.91E+00	1.42E-01	4.06E+00
4876	471863.09	3862377.25	3.2349	1.79852	10.22	2.03336	5.29E-01	1.40E+00	1.98E+00	1.50E-01	4.06E+00	5.21E-01	6.04E-05	2.17E-02	4.38E-03	5.47E-01	6.33E-01	1.40E+00	1.98E+00	1.50E-01	4.16E+00

4877	472363.09	3862377.25	3.26898	1.85401	10.324	1.98162	5.35E-01	1.44E+00	2.00E+00	1.46E-01	4.12E+00	5.27E-01	6.23E-05	2.20E-02	4.27E-03	5.53E-01	6.40E-01	1.44E+00	2.00E+00	1.46E-01	4.23E+00
4878	472863.09	3862377.25	3.36348	1.96366	10.191	1.94847	5.50E-01	1.52E+00	1.98E+00	1.43E-01	4.19E+00	5.42E-01	6.60E-05	2.17E-02	4.19E-03	5.68E-01	6.58E-01	1.52E+00	1.98E+00	1.43E-01	4.30E+00
4879	473363.09	3862377.25	3.42918	2.0588	9.8141	1.93779	5.61E-01	1.60E+00	1.90E+00	1.43E-01	4.20E+00	5.53E-01	6.92E-05	2.09E-02	4.17E-03	5.78E-01	6.71E-01	1.60E+00	1.90E+00	1.43E-01	4.31E+00
4880	473863.09	3862377.25	3.45215	2.12347	9.6759	2.02212	5.65E-01	1.65E+00	1.88E+00	1.49E-01	4.24E+00	5.56E-01	7.13E-05	2.06E-02	4.35E-03	5.81E-01	6.76E-01	1.65E+00	1.88E+00	1.49E-01	4.35E+00
4881	474363.09	3862377.25	3.41988	2.18902	9.7804	2.13231	5.59E-01	1.70E+00	1.90E+00	1.57E-01	4.31E+00	5.51E-01	7.35E-05	2.08E-02	4.59E-03	5.77E-01	6.69E-01	1.70E+00	1.90E+00	1.57E-01	4.42E+00
4882	474863.09	3862377.25	3.39753	2.19884	10.499	2.27247	5.56E-01	1.71E+00	2.04E+00	1.67E-01	4.46E+00	5.47E-01	7.39E-05	2.23E-02	4.89E-03	5.75E-01	6.65E-01	1.71E+00	2.04E+00	1.67E-01	4.57E+00
4883	475363.09	3862377.25	3.36551	2.27239	11.589	2.23847	5.50E-01	1.76E+00	2.25E+00	1.65E-01	4.73E+00	5.42E-01	7.63E-05	2.46E-02	4.82E-03	5.72E-01	6.59E-01	1.76E+00	2.25E+00	1.65E-01	4.83E+00
4884	475863.09	3862377.25	3.29442	2.32803	12.457	2.27042	5.39E-01	1.81E+00	2.42E+00	1.67E-01	4.93E+00	5.31E-01	7.82E-05	2.65E-02	4.89E-03	5.62E-01	6.45E-01	1.81E+00	2.42E+00	1.67E-01	5.03E+00
4885	476363.09	3862377.25	3.30384	2.32754	12.835	2.42681	5.40E-01	1.81E+00	2.49E+00	1.79E-01	5.01E+00	5.32E-01	7.82E-05	2.73E-02	5.22E-03	5.65E-01	6.46E-01	1.81E+00	2.49E+00	1.79E-01	5.12E+00
4886	476863.09	3862377.25	3.36658	2.29243	12.559	2.55938	5.51E-01	1.78E+00	2.44E+00	1.88E-01	4.95E+00	5.42E-01	7.70E-05	2.67E-02	5.51E-03	5.75E-01	6.59E-01	1.78E+00	2.44E+00	1.88E-01	5.06E+00
4887	477363.09	3862377.25	3.50665	2.14177	12.554	2.65913	5.74E-01	1.66E+00	2.43E+00	1.96E-01	4.86E+00	5.65E-01	7.19E-05	2.67E-02	5.72E-03	5.98E-01	6.86E-01	1.66E+00	2.43E+00	1.96E-01	4.98E+00
4888	477863.09	3862377.25	3.56376	1.22676	26.927	8.18814	5.83E-01	9.52E-01	5.22E+00	6.03E-01	7.36E+00	5.74E-01	4.12E-05	5.73E-02	1.76E-02	6.49E-01	6.97E-01	9.52E-01	5.22E+00	6.03E-01	7.47E+00
4889	478363.09	3862377.25	3.07851	1.08004	23.545	6.36298	5.04E-01	8.38E-01	4.57E+00	4.68E-01	6.38E+00	4.96E-01	3.63E-05	5.01E-02	1.37E-02	5.60E-01	6.02E-01	8.38E-01	4.57E+00	4.68E-01	6.47E+00
4890	478863.09	3862377.25	3.22234	1.08086	16.572	3.3808	5.27E-01	8.38E-01	3.21E+00	2.49E-01	4.83E+00	5.19E-01	3.63E-05	3.52E-02	7.28E-03	5.62E-01	6.31E-01	8.38E-01	3.21E+00	2.49E-01	4.93E+00
4891	479363.09	3862377.25	3.74801	1.08903	17.6	3.21439	6.13E-01	8.45E-01	3.41E+00	2.37E-01	5.11E+00	6.04E-01	3.66E-05	3.74E-02	6.92E-03	6.48E-01	7.33E-01	8.45E-01	3.41E+00	2.37E-01	5.23E+00
4892	479863.09	3862377.25	4.341	2.20805	13.537	2.56239	7.10E-01	1.71E+00	2.62E+00	1.89E-01	5.24E+00	6.99E-01	7.42E-05	2.88E-02	5.52E-03	7.34E-01	8.49E-01	1.71E+00	2.62E+00	1.89E-01	5.38E+00
4893	480363.09	3862377.25	4.39316	2.71512	12.278	2.5794	7.19E-01	2.11E+00	2.38E+00	1.90E-01	5.40E+00	7.08E-01	9.12E-05	2.61E-02	5.55E-03	7.40E-01	8.60E-01	2.11E+00	2.38E+00	1.90E-01	5.54E+00
4894	480863.09	3862377.25	4.35979	2.85398	14.639	2.63221	7.13E-01	2.21E+00	2.84E+00	1.94E-01	5.96E+00	7.03E-01	9.59E-05	3.11E-02	5.67E-03	7.39E-01	8.53E-01	2.21E+00	2.84E+00	1.94E-01	6.10E+00
4895	481363.09	3862377.25	4.40959	2.90303	15.892	2.54206	7.21E-01	2.25E+00	3.08E+00	1.87E-01	6.24E+00	7.11E-01	9.75E-05	3.38E-02	5.47E-03	7.50E-01	8.63E-01	2.25E+00	3.08E+00	1.87E-01	6.38E+00
4896	481863.09	3862377.25	4.49788	3.03132	15.13	2.54323	7.36E-01	2.35E+00	2.93E+00	1.87E-01	6.21E+00	7.25E-01	1.02E-04	3.22E-02	5.47E-03	7.62E-01	8.80E-01	2.35E+00	2.93E+00	1.87E-01	6.35E+00
4897	482363.09	3862377.25	4.57085	3.19988	18.84	2.73442	7.48E-01	2.48E+00	3.65E+00	2.01E-01	7.08E+00	7.37E-01	1.07E-04	4.01E-02	5.89E-03	7.83E-01	8.94E-01	2.48E+00	3.65E+00	2.01E-01	7.23E+00
4898	482863.09	3862377.25	4.58827	3.36058	20.924	3.12997	7.50E-01	2.61E+00	4.06E+00	2.30E-01	7.65E+00	7.39E-01	1.13E-04	4.45E-02	6.74E-03	7.91E-01	8.98E-01	2.61E+00	4.06E+00	2.30E-01	7.79E+00
4899	483363.09	3862377.25	4.69471	3.55672	18.433	3.29862	7.68E-01	2.76E+00	3.57E+00	2.43E-01	7.34E+00	7.56E-01	1.19E-04	3.92E-02	7.10E-03	8.03E-01	9.19E-01	2.76E+00	3.57E+00	2.43E-01	7.49E+00
4900	483863.09	3862377.25	5.10487	3.5846	16.385	3.29012	8.35E-01	2.78E+00	3.18E+00	2.42E-01	7.03E+00	8.23E-01	1.20E-04	3.48E-02	7.08E-03	8.65E-01	9.99E-01	2.78E+00	3.18E+00	2.42E-01	7.20E+00
4901	484363.09	3862377.25	5.86008	3.87059	15.903	2.8862	9.58E-01	3.00E+00	3.08E+00	2.12E-01	7.26E+00	9.44E-01	1.30E-04	3.38E-02	6.21E-03	9.84E-01	1.15E+00	3.00E+00	3.08E+00	2.12E-01	7.45E+00
4902	484863.09	3862377.25	5.89822	4.06501	10.069	2.87411	9.65E-01	3.15E+00	1.95E+00	2.12E-01	6.28E+00	9.50E-01	1.37E-04	2.14E-02	6.19E-03	9.78E-01	1.15E+00	3.15E+00	1.95E+00	2.12E-01	6.47E+00
4903	485363.09	3862377.25	6.20644	5.16338	14.007	3.23172	1.02E+00	4.01E+00	2.72E+00	2.38E-01	7.97E+00	1.00E+00	1.73E-04	2.98E-02	6.96E-03	1.04E+00	1.21E+00	4.01E+00	2.72E+00	2.38E-01	8.17E+00
4904	485863.09	3862377.25	6.4691	5.38553	13.672	3.06057	1.06E+00	4.18E+00	2.65E+00	2.25E-01	8.11E+00	1.04E+00	1.81E-04	2.91E-02	6.59E-03	1.08E+00	1.27E+00	4.18E+00	2.65E+00	2.25E-01	8.32E+00
4905	486363.09	3862377.25	6.29805	6.12704	6.4321	2.53435	1.03E+00	4.75E+00	1.25E+00	1.87E-01	7.22E+00	1.01E+00	2.06E-04	1.37E-02	5.46E-03	1.03E+00	1.23E+00	4.75E+00	1.25E+00	1.87E-01	7.42E+00
4906	486863.09	3862377.25	6.78455	6.91459	10.936	2.18201	1.11E+00	5.36E+00	2.12E+00	1.61E-01	8.75E+00	1.09E+00	2.32E-04	2.33E-02	4.70E-03	1.12E+00	1.33E+00	5.36E+00	2.12E+00	1.61E-01	8.97E+00
4907	487363.09	3862377.25	6.98034	7.2248	16.985	2.44152	1.14E+00	5.60E+00	3.29E+00	1.80E-01	1.02E+01	1.12E+00	2.43E-04	3.61E-02	5.26E-03	1.17E+00	1.37E+00	5.60E+00	3.29E+00	1.80E-01	1.04E+01
4908	487863.09	3862377.25	7.57996	7.43607	19.614	3.51149	1.24E+00	5.77E+00	3.80E+00	2.59E-01	1.11E+01	1.22E+00	2.50E-04	4.17E-02	7.56E-03	1.27E+00	1.48E+00	5.77E+00	3.80E+00	2.59E-01	1.13E+01
4909	488363.09	3862377.25	8.28862	7.44859	13.636	3.45582	1.36E+00	5.78E+00	2.64E+00	2.54E-01	1.00E+01	1.34E+00	2.50E-04	2.90E-02	7.44E-03	1.37E+00	1.62E+00	5.78E+00	2.64E+00	2.54E-01	1.03E+01
4910	488863.09	3862377.25	8.75912	9.15488	9.9679	3.95808	1.43E+00	7.10E+00	1.93E+00	2.91E-01	1.08E+01	1.41E+00	3.08E-04	2.12E-02	8.52E-03	1.44E+00	1.71E+00	7.10E+00	1.93E+00	2.91E-01	1.10E+01
4911	489363.09	3862377.25	11.0101	11.3821	8.7061	3.6086	1.80E+00	8.83E+00	1.69E+00	2.66E-01	1.26E+01	1.77E+00	3.82E-04	1.85E-02	7.77E-03	1.80E+00	2.15E+00	8.83E+00	1.69E+00	2.66E-01	1.29E+01
4912	489863.09	3862377.25	11.438	12.1333	8.5397	4.60484	1.87E+00	9.41E+00	1.66E+00	3.39E-01	1.33E+01	1.84E+00	4.08E-04	1.82E-02	9.91E-03	1.87E+00	2.24E+00	9.41E+00	1.66E+00	3.39E-01	1.36E+01
4913	490363.09	3862377.25	10.0645	13.1016	9.7677	5.90122	1.65E+00	1.02E+01	1.89E+00	4.34E-01	1.41E+01	1.62E+00	4.40E-04	2.08E-02	1.27E-02	1.66E+00	1.97E+00	1.02E+01	1.89E+00	4.34E-01	1.45E+01
4914	490863.09	3862377.25	10.8474	12.9711	11.507	6.48889	1.77E+00	1.01E+01	2.23E+00	4.78E-01	1.45E+01	1.75E+00	4.36E-04	2.45E-02	1.40E-02	1.79E+00	2.12E+00	1.01E+01	2.23E+00	4.78E-01	1.49E+01
4915	491363.09	3862377.25	9.69847	12.5433	14.188	6.059	1.59E+00	9.73E+00	2.75E+00	4.46E-01	1.45E+01	1.56E+00	4.21E-04	3.02E-02	1.30E-02	1.61E+00	1.90E+00	9.73E+00	2.75E+00	4.46E-01	1.48E+01
4916	491863.09	3862377.25	9.82207	10.8013	15.127	4.8248	1.61E+00	8.38E+00	2.93E+00	3.55E-01	1.33E+01	1.58E+00	3.63E-04	3.22E-02	1.04E-02	1.63E+00	1.92E+00	8.38E+00	2.93E+00	3.55E-01	1.36E+01
4917	492363.09	3862377.25	9.91159	9.31928	16.743	4.32068	1.62E+00	7.23E+00	3.25E+00	3.18E-01	1.24E+01	1.60E+00	3.13E-04	3.56E-02	9.30E-03	1.64E+00	1.94E+00	7.23E+00	3.25E+00	3.18E-01	1.27E+01
4918	492863.09	3862377.25	8.5063	8.76631	18.428	3.90953	1.39E+00	6.80E+00	3.57E+00	2.88E-01	1.21E+01	1.37E+00	2.94E-04	3.92E-02	8.42E-03	1.42E+00	1.66E+00	6.80E+00	3.57E+00	2.88E-01	1.23E+01
4919	493363.09	3862377.25	8.70713	8.14152	14.734	3.61221	1.42E+00	6.32E+00	2.86E+00	2.66E-01	1.09E+01	1.40E+00	2.73E-04	3.13E-02	7.78E-03	1.44E+00	1.70E+00	6.32E+00	2.86E+00	2.66E-01	1.11E+01
4920	493863.09	3862377.25	7.83396	7.75499	10.681	3.62877	1.28E+00	6.02E+00	2.07E+00	2.67E-01	9.64E+00	1.26E+00	2.61E-04	2.27E-02	7.81E-03	1.29E+00	1.53E+00	6.02E+00	2.07E+00	2.67E-01	9.89E+00
4921	494363.09	3862377.25	7.66883	7.31301	10.75	3.64855	1.25E+00	5.67E+00	2.08E+00	2.69E-01	9.28E+00	1.24E+00	2.46E-04	2.29E-02	7.85E-03	1.27E+00	1.50E+00	5.67E+00	2.08E+00	2.69E-01	9.53E+00
4922	494863.09	3862377.25	7.20751	6.6676	10.379	3.5018	1.18E+00	5.17E+00	2.01E+00	2.58E-01	8.62E+00	1.16E+00	2.24E-04	2.21E-02	7.54E-03	1.19E+00	1.41E+00	5.17E+00	2.01E+00	2.58E-01	8.85E+00
4923	495363.09	3862377.25	6.85244	5.6113	12.731	3.33869	1.12E+00	4.35E+00	2.47E+00	2.46E-01	8.19E+00	1.10E+00	1.88E-04	2.71E-02	7.19E-03	1.14E+00	1.34E+00	4.35E+00	2.47E+00	2.46E-01	8.41E+00
4924	495863.09	3862377.25	6.58491	4.97577	12.906	3.14419	1.08E+00	3.86E+00	2.50E+00	2.31E-01	7.67E+00	1.06E+00	1.67E-04	2.74E-02	6.77E-03	1.10E+00	1.29E+00	3.86E+00	2.50E+00	2.31E-01	7.88E+00
4925	496363.09	3862377.25	6.74932	4.57596	10.306	2.91343	1.10E+00	3.55E+00	2.00E+00	2.14E-01	6.87E+00	1.09E+00	1.54E-04	2.19E-02	6.27E-03	1.12E+00	1.32E+00	3.55E+00	2.00E+00	2.14E-01	7.08E+00
4926	496863.09	3862377.25	6.69724	4.25656	9.4567	2.73624	1.10E+00	3.30E+00	1.83E+00	2.01E-01	6.43E+00	1.08E+00	1.43E-04	2.01E-02	5.89E-03	1.11E+00	1.31E+00	3.30E+00	1.83E+00	2.01E-01	6.65E+00
4927	497363.09	3862377.25	6.41362	3.93172	10.464	2.63774	1.05E+00	3.05E+00	2.03E+00	1.94E-01	6.32E+00	1.03E+00	1.32E-04	2.22E-02	5.68E-03	1.06E+00	1.26E+00	3.05E+00	2.03E+00	1.94E-01	6.53E+00
4928	497863.09	3862377.25	6.50758	3.72298	11.515	2.61177	1.06E+00	2.89E+00	2.23E+00	1.92E-01	6.38E+00	1.05E+00	1.25E-04	2.45E-02	5.62E-03	1.08E+00	1.27E+00	2.89E+00	2.23E+00	1.92E-01	6.59E+00
4929	498363.09	3862377.25	6.0743	3.4743	11.906	2.57646	9.94E-01	2.70E+00	2.31E+00	1.90E-01	6.19E+00	9.79E-01	1.17E-04	2.53E-02	5.55E-03	1.01E+00	1.19E+00	2.70E+00	2.31E+00	1.90E-01	6.38E+00
4930	471363.09	3862877.25	3.06214	1.86255	9.3328	2.00265	5.01E-01	1.44E+00	1.81E+00	1.47E-01	3.90E+00	4.93E-01	6.26E-05	1.98E-02	4.31E-03	5.18E-01	5.99E-01	1.44E+00	1.81E+00	1.47E-01	4.00E+00
4931	471863.09	3862877.25	3.17533	1.95446	8.9259	1.97366	5.19E-01	1.52E+00	1.73E+00	1.45E-01	3.91E+00	5.12E-01	6.57E-05	1.90E-02	4.25E-03	5.35E-01	6.21E-01	1.52E+00	1.73E+00	1.45E-01	4.01E+00
4932	472363.09	3862877.25	3.23651	2.02587	9.0483	1.91429	5.29E-01	1.57E+00	1.75E+00	1.41E-01	4.00E+00	5.22E-01	6.81E-05	1.92E-02	4.12E-03	5.45E-01	6.33E-01	1.57E+00	1.75E+00	1.41E-01	4.10E+00
4933	472863.09	3862877.25	3.24888	2.07969	9.2448	1.97738	5.31E-01	1.61E+00	1.79E+00	1.46E-01	4.08E+00	5.23E-01	6.99E-05	1.97E-02	4.26E-03	5.47E-01	6.36E-01	1.61E+00	1.79E+00	1.46E-01	4.19E+00
4934	473363.09	3862877.25	3.19714	2.12316	9.9093	2.05936	5.23E-01	1.65E+00	1.92E+00	1.52E-01	4.24E+00	5.15E-01	7.13E-05	2.11E-02	4.43E-03	5.41E-01	6.26E-01	1.65E+00	1.92E+00	1.52E-01	4.35E+00
4935	473863.09	3862877.25	3.17145	2.16077	10.888	2.12279	5.19E-01	1.68E+00	2.11E+00	1.56E-01	4.46E+00	5.11E-01	7.26E-05	2.32E-02	4.57E-03	5.39E-01	6.21E-01	1.68E+00	2.11E+00	1.56E-01	4.56E+00
4936	474363.09	3862877.25	3.15154	2.16454	11.663	2.14872	5.15E-01	1.68E+00	2.26E+00	1.58E-01	4.61E+00	5.08E-01	7.27E-05	2.48E-02	4.63E-03	5.37E-01	6.17E-01	1.68E+00	2.26E+00	1.58E-01	4.72E+00
4937	474863.09	3862877.25	3.0982	2.17745	11.955	2.14581	5.07E-01	1.69E+00	2.32E+00	1.58E-01	4.67E+00	4.99E-01	7.31E-05	2.54E-02	4.62E-03	5.29E-01	6.06E-01	1.69E+00	2.32E+00	1.58E-01	4.77E+00

4938	475363.09	3862877.25	3.08772	2.2126	11.834	2.22134	5.05E-01	1.72E+00	2.29E+00	1.64E-01	4.68E+00	4.98E-01	7.43E-05	2.52E-02	4.78E-03	5.28E-01	6.04E-01	1.72E+00	2.29E+00	1.64E-01	4.78E+00
4939	475863.09	3862877.25	3.16046	2.24557	11.166	2.3545	5.17E-01	1.74E+00	2.17E+00	1.73E-01	4.60E+00	5.09E-01	7.54E-05	2.37E-02	5.07E-03	5.38E-01	6.18E-01	1.74E+00	2.17E+00	1.73E-01	4.70E+00
4940	476363.09	3862877.25	3.20702	2.23726	10.097	2.40602	5.25E-01	1.74E+00	1.96E+00	1.77E-01	4.40E+00	5.17E-01	7.52E-05	2.15E-02	5.18E-03	5.43E-01	6.28E-01	1.74E+00	1.96E+00	1.77E-01	4.50E+00
4941	476863.09	3862877.25	3.30118	2.22938	10.156	2.38682	5.40E-01	1.73E+00	1.97E+00	1.76E-01	4.41E+00	5.32E-01	7.49E-05	2.16E-02	5.14E-03	5.59E-01	6.46E-01	1.73E+00	1.97E+00	1.76E-01	4.52E+00
4942	477363.09	3862877.25	3.45491	2.1543	11.26	2.40683	5.65E-01	1.67E+00	2.18E+00	1.77E-01	4.60E+00	5.57E-01	7.24E-05	2.39E-02	5.18E-03	5.86E-01	6.76E-01	1.67E+00	2.18E+00	1.77E-01	4.71E+00
4943	477863.09	3862877.25	3.76581	1.82812	12.831	2.95227	6.16E-01	1.42E+00	2.49E+00	2.17E-01	4.74E+00	6.07E-01	6.14E-05	2.73E-02	6.36E-03	6.40E-01	7.37E-01	1.42E+00	2.49E+00	2.17E-01	4.86E+00
4944	478363.09	3862877.25	3.54944	1.11821	15.16	3.63584	5.81E-01	8.67E-01	2.94E+00	2.68E-01	4.66E+00	5.72E-01	3.76E-05	3.22E-02	7.83E-03	6.12E-01	6.95E-01	8.67E-01	2.94E+00	2.68E-01	4.77E+00
4945	478863.09	3862877.25	3.67796	1.16101	15.941	3.40059	6.02E-01	9.01E-01	3.09E+00	2.50E-01	4.84E+00	5.93E-01	3.90E-05	3.39E-02	7.32E-03	6.34E-01	7.20E-01	9.01E-01	3.09E+00	2.50E-01	4.96E+00
4946	479363.09	3862877.25	3.82316	1.19587	14.741	3.36389	6.25E-01	9.28E-01	2.86E+00	2.48E-01	4.66E+00	6.16E-01	4.02E-05	3.13E-02	7.24E-03	6.55E-01	7.48E-01	9.28E-01	2.86E+00	2.48E-01	4.78E+00
4947	479863.09	3862877.25	4.13065	2.43536	12.686	2.59734	6.76E-01	1.89E+00	2.46E+00	1.91E-01	5.22E+00	6.66E-01	8.18E-05	2.70E-02	5.59E-03	6.98E-01	8.08E-01	1.89E+00	2.46E+00	1.91E-01	5.35E+00
4948	480363.09	3862877.25	4.08947	2.60851	14.407	2.774	6.69E-01	2.02E+00	2.79E+00	2.04E-01	5.69E+00	6.59E-01	8.76E-05	3.06E-02	5.97E-03	6.96E-01	8.00E-01	2.02E+00	2.79E+00	2.04E-01	5.82E+00
4949	480863.09	3862877.25	4.11494	2.71319	14.575	2.63219	6.73E-01	2.10E+00	2.83E+00	1.94E-01	5.80E+00	6.63E-01	9.11E-05	3.10E-02	5.67E-03	7.00E-01	8.05E-01	2.10E+00	2.83E+00	1.94E-01	5.93E+00
4950	481363.09	3862877.25	4.20313	2.84581	14.807	2.3797	6.87E-01	2.21E+00	2.87E+00	1.75E-01	5.94E+00	6.77E-01	9.56E-05	3.15E-02	5.12E-03	7.14E-01	8.22E-01	2.21E+00	2.87E+00	1.75E-01	6.08E+00
4951	481863.09	3862877.25	4.24743	2.85709	18.577	2.36926	6.95E-01	2.22E+00	3.60E+00	1.74E-01	6.69E+00	6.84E-01	9.60E-05	3.95E-02	5.10E-03	7.29E-01	8.31E-01	2.22E+00	3.60E+00	1.74E-01	6.82E+00
4952	482363.09	3862877.25	4.29563	3.01596	18.923	2.49716	7.03E-01	2.34E+00	3.67E+00	1.84E-01	6.90E+00	6.92E-01	1.01E-04	4.02E-02	5.38E-03	7.38E-01	8.41E-01	2.34E+00	3.67E+00	1.84E-01	7.03E+00
4953	482863.09	3862877.25	4.37907	3.32257	16.585	2.8392	7.16E-01	2.58E+00	3.22E+00	2.09E-01	6.72E+00	7.06E-01	1.12E-04	3.53E-02	6.11E-03	7.47E-01	8.57E-01	2.58E+00	3.22E+00	2.09E-01	6.86E+00
4954	483363.09	3862877.25	4.40117	3.36887	14.958	3.31744	7.20E-01	2.61E+00	2.90E+00	2.44E-01	6.48E+00	7.09E-01	1.13E-04	3.18E-02	7.14E-03	7.48E-01	8.61E-01	2.61E+00	2.90E+00	2.44E-01	6.62E+00
4955	483863.09	3862877.25	5.06105	3.38327	14.683	3.18193	8.28E-01	2.62E+00	2.85E+00	2.34E-01	6.53E+00	8.15E-01	1.14E-04	3.12E-02	6.85E-03	8.54E-01	9.90E-01	2.62E+00	2.85E+00	2.34E-01	6.70E+00
4956	484363.09	3862877.25	5.62343	3.62704	10.485	3.03579	9.20E-01	2.81E+00	2.03E+00	2.24E-01	5.99E+00	9.06E-01	1.22E-04	2.23E-02	6.54E-03	9.35E-01	1.10E+00	2.81E+00	2.03E+00	2.24E-01	6.17E+00
4957	484863.09	3862877.25	5.65235	4.51139	10.957	3.0808	9.25E-01	3.50E+00	2.12E+00	2.27E-01	6.78E+00	9.11E-01	1.52E-04	2.33E-02	6.63E-03	9.41E-01	1.11E+00	3.50E+00	2.12E+00	2.27E-01	6.96E+00
4958	485363.09	3862877.25	5.9804	4.62239	17.549	2.90319	9.78E-01	3.59E+00	3.40E+00	2.14E-01	8.18E+00	9.64E-01	1.55E-04	3.73E-02	6.25E-03	1.01E+00	1.17E+00	3.59E+00	3.40E+00	2.14E-01	8.37E+00
4959	485863.09	3862877.25	6.13617	5.16544	9.6415	2.75582	1.00E+00	4.01E+00	1.87E+00	2.03E-01	7.08E+00	9.89E-01	1.74E-04	2.05E-02	5.93E-03	1.02E+00	1.20E+00	4.01E+00	1.87E+00	2.03E-01	7.28E+00
4960	486363.09	3862877.25	5.91388	5.6013	7.9748	2.00211	9.67E-01	4.34E+00	1.55E+00	1.47E-01	7.01E+00	9.53E-01	1.88E-04	1.70E-02	4.31E-03	9.74E-01	1.16E+00	4.35E+00	1.55E+00	1.47E-01	7.20E+00
4961	486863.09	3862877.25	6.37287	5.85924	10.745	2.26163	1.04E+00	4.55E+00	2.08E+00	1.67E-01	7.84E+00	1.03E+00	1.97E-04	2.28E-02	4.87E-03	1.05E+00	1.25E+00	4.55E+00	2.08E+00	1.67E-01	8.04E+00
4962	487363.09	3862877.25	6.45537	6.3451	17.12	2.66099	1.06E+00	4.92E+00	3.32E+00	1.96E-01	9.49E+00	1.04E+00	2.13E-04	3.64E-02	5.73E-03	1.08E+00	1.26E+00	4.92E+00	3.32E+00	1.96E-01	9.70E+00
4963	487863.09	3862877.25	6.97674	6.52153	18.205	3.831	1.14E+00	5.06E+00	3.53E+00	2.82E-01	1.00E+01	1.12E+00	2.19E-04	3.87E-02	8.25E-03	1.17E+00	1.37E+00	5.06E+00	3.53E+00	2.82E-01	1.02E+01
4964	488363.09	3862877.25	7.74598	6.40853	13.807	3.44387	1.27E+00	4.97E+00	2.68E+00	2.54E-01	9.17E+00	1.25E+00	2.15E-04	2.94E-02	7.41E-03	1.29E+00	1.52E+00	4.97E+00	2.68E+00	2.54E-01	9.42E+00
4965	488863.09	3862877.25	8.18698	6.89218	9.4563	2.98899	1.34E+00	5.35E+00	1.83E+00	2.20E-01	8.74E+00	1.32E+00	2.32E-04	2.01E-02	6.43E-03	1.35E+00	1.60E+00	5.35E+00	1.83E+00	2.20E-01	9.00E+00
4966	489363.09	3862877.25	8.35195	9.18923	9.6248	2.89373	1.37E+00	7.13E+00	1.87E+00	2.13E-01	1.06E+01	1.35E+00	3.09E-04	2.05E-02	6.23E-03	1.37E+00	1.63E+00	7.13E+00	1.87E+00	2.13E-01	1.08E+01
4967	489863.09	3862877.25	10.9967	10.2169	7.0277	3.86419	1.80E+00	7.93E+00	1.36E+00	2.84E-01	1.14E+01	1.77E+00	3.43E-04	1.49E-02	8.32E-03	1.80E+00	2.15E+00	7.93E+00	1.36E+00	2.84E-01	1.17E+01
4968	490363.09	3862877.25	9.58753	10.3601	8.4426	4.72401	1.57E+00	8.04E+00	1.64E+00	3.48E-01	1.16E+01	1.54E+00	3.48E-04	1.80E-02	1.02E-02	1.57E+00	1.88E+00	8.04E+00	1.64E+00	3.48E-01	1.19E+01
4969	490863.09	3862877.25	9.27564	11.5016	9.0955	5.81691	1.52E+00	8.92E+00	1.76E+00	4.28E-01	1.26E+01	1.49E+00	3.86E-04	1.93E-02	1.25E-02	1.53E+00	1.82E+00	8.92E+00	1.76E+00	4.28E-01	1.29E+01
4970	491363.09	3862877.25	9.86231	11.4133	11.443	6.44378	1.61E+00	8.85E+00	2.22E+00	4.74E-01	1.32E+01	1.59E+00	3.83E-04	2.43E-02	1.39E-02	1.63E+00	1.93E+00	8.85E+00	2.22E+00	4.74E-01	1.35E+01
4971	491863.09	3862877.25	8.91232	11.1451	13.897	6.04247	1.46E+00	8.65E+00	2.69E+00	4.45E-01	1.32E+01	1.44E+00	3.74E-04	2.95E-02	1.30E-02	1.48E+00	1.74E+00	8.65E+00	2.69E+00	4.45E-01	1.35E+01
4972	492363.09	3862877.25	8.94573	9.85487	14.552	4.65123	1.46E+00	7.64E+00	2.82E+00	3.42E-01	1.23E+01	1.44E+00	3.31E-04	3.09E-02	1.00E-02	1.48E+00	1.75E+00	7.64E+00	2.82E+00	3.42E-01	1.26E+01
4973	492863.09	3862877.25	8.98764	8.8231	15.518	4.0955	1.47E+00	6.84E+00	3.01E+00	3.02E-01	1.16E+01	1.45E+00	2.96E-04	3.30E-02	8.82E-03	1.49E+00	1.76E+00	6.84E+00	3.01E+00	3.02E-01	1.19E+01
4974	493363.09	3862877.25	7.82015	8.09549	17.648	3.8997	1.28E+00	6.28E+00	3.42E+00	2.87E-01	1.13E+01	1.26E+00	2.72E-04	3.75E-02	8.40E-03	1.31E+00	1.53E+00	6.28E+00	3.42E+00	2.87E-01	1.15E+01
4975	493863.09	3862877.25	8.05885	7.7972	15.365	3.61134	1.32E+00	6.05E+00	2.98E+00	2.66E-01	1.06E+01	1.30E+00	2.62E-04	3.27E-02	7.77E-03	1.34E+00	1.58E+00	6.05E+00	2.98E+00	2.66E-01	1.09E+01
4976	494363.09	3862877.25	7.19926	7.31302	10.459	3.54052	1.18E+00	5.67E+00	2.03E+00	2.61E-01	9.14E+00	1.16E+00	2.46E-04	2.22E-02	7.62E-03	1.19E+00	1.41E+00	5.67E+00	2.03E+00	2.61E-01	9.37E+00
4977	494863.09	3862877.25	7.09993	6.83187	9.7409	3.59891	1.16E+00	5.30E+00	1.89E+00	2.65E-01	8.61E+00	1.14E+00	2.29E-04	2.07E-02	7.75E-03	1.17E+00	1.39E+00	5.30E+00	1.89E+00	2.65E-01	8.84E+00
4978	495363.09	3862877.25	6.49983	6.53303	9.8038	3.52963	1.06E+00	5.07E+00	1.90E+00	2.60E-01	8.29E+00	1.05E+00	2.19E-04	2.08E-02	7.60E-03	1.08E+00	1.27E+00	5.07E+00	1.90E+00	2.60E-01	8.50E+00
4979	495863.09	3862877.25	6.41532	5.96944	10.522	3.3508	1.05E+00	4.63E+00	2.04E+00	2.47E-01	7.97E+00	1.03E+00	2.01E-04	2.24E-02	7.21E-03	1.06E+00	1.26E+00	4.63E+00	2.04E+00	2.47E-01	8.17E+00
4980	496363.09	3862877.25	6.19016	5.1141	12.966	3.25469	1.01E+00	3.97E+00	2.51E+00	2.40E-01	7.73E+00	9.97E-01	1.72E-04	2.76E-02	7.01E-03	1.03E+00	1.21E+00	3.97E+00	2.51E+00	2.40E-01	7.93E+00
4981	496863.09	3862877.25	5.96304	4.60105	12.242	3.11065	9.75E-01	3.57E+00	2.37E+00	2.29E-01	7.15E+00	9.61E-01	1.55E-04	2.60E-02	6.70E-03	9.94E-01	1.17E+00	3.57E+00	2.37E+00	2.29E-01	7.34E+00
4982	497363.09	3862877.25	6.14322	4.23741	9.6528	2.90327	1.00E+00	3.29E+00	1.87E+00	2.14E-01	6.38E+00	9.90E-01	1.42E-04	2.05E-02	6.25E-03	1.02E+00	1.20E+00	3.29E+00	1.87E+00	2.14E-01	6.57E+00
4983	497863.09	3862877.25	5.87664	3.89469	8.4033	2.69473	9.61E-01	3.02E+00	1.63E+00	1.98E-01	5.81E+00	9.47E-01	1.31E-04	1.79E-02	5.80E-03	9.71E-01	1.15E+00	3.02E+00	1.63E+00	1.98E-01	6.00E+00
4984	498363.09	3862877.25	5.81646	3.68358	9.3502	2.54923	9.51E-01	2.86E+00	1.81E+00	1.88E-01	5.81E+00	9.37E-01	1.24E-04	1.99E-02	5.49E-03	9.63E-01	1.14E+00	2.86E+00	1.81E+00	1.88E-01	6.00E+00
4985	471363.09	3863377.25	3.06442	1.96205	8.6888	1.90629	5.01E-01	1.52E+00	1.68E+00	1.40E-01	3.85E+00	4.94E-01	6.59E-05	1.85E-02	4.10E-03	5.16E-01	6.00E-01	1.52E+00	1.68E+00	1.40E-01	3.95E+00
4986	471863.09	3863377.25	3.06779	1.9979	9.383	1.90812	5.02E-01	1.55E+00	1.82E+00	1.40E-01	4.01E+00	4.94E-01	6.71E-05	1.99E-02	4.11E-03	5.18E-01	6.00E-01	1.55E+00	1.82E+00	1.40E-01	4.11E+00
4987	472363.09	3863377.25	3.02015	2.02345	10.298	1.98727	4.94E-01	1.57E+00	2.00E+00	1.46E-01	4.21E+00	4.87E-01	6.80E-05	2.19E-02	4.28E-03	5.13E-01	5.91E-01	1.57E+00	2.00E+00	1.46E-01	4.30E+00
4988	472863.09	3863377.25	2.96913	2.04979	11.088	2.05614	4.86E-01	1.59E+00	2.15E+00	1.51E-01	4.38E+00	4.78E-01	6.89E-05	2.36E-02	4.43E-03	5.06E-01	5.81E-01	1.59E+00	2.15E+00	1.51E-01	4.47E+00
4989	473363.09	3863377.25	2.95487	2.07031	11.388	2.10255	4.83E-01	1.61E+00	2.21E+00	1.55E-01	4.45E+00	4.76E-01	6.95E-05	2.42E-02	4.53E-03	5.05E-01	5.78E-01	1.61E+00	2.21E+00	1.55E-01	4.55E+00
4990	473863.09	3863377.25	2.8881	2.08252	11.288	2.11947	4.72E-01	1.62E+00	2.19E+00	1.56E-01	4.43E+00	4.65E-01	7.00E-05	2.40E-02	4.56E-03	4.94E-01	5.65E-01	1.62E+00	2.19E+00	1.56E-01	4.53E+00
4991	474363.09	3863377.25	2.92948	2.09314	10.834	2.15997	4.79E-01	1.62E+00	2.10E+00	1.59E-01	4.36E+00	4.72E-01	7.03E-05	2.30E-02	4.65E-03	5.00E-01	5.73E-01	1.62E+00	2.10E+00	1.59E-01	4.46E+00
4992	474863.09	3863377.25	2.97407	2.10577	10.168	2.24973	4.86E-01	1.63E+00	1.97E+00	1.66E-01	4.26E+00	4.79E-01	7.07E-05	2.16E-02	4.84E-03	5.06E-01	5.82E-01	1.63E+00	1.97E+00	1.66E-01	4.35E+00
4993	475363.09	3863377.25	3.03128	2.13754	9.2259	2.34505	4.96E-01	1.66E+00	1.79E+00	1.73E-01	4.12E+00	4.88E-01	7.18E-05	1.96E-02	5.05E-03	5.13E-01	5.93E-01	1.66E+00	1.79E+00	1.73E-01	4.21E+00
4994	475863.09	3863377.25	3.07096	2.15606	9.8347	2.33732	5.02E-01	1.67E+00	1.91E+00	1.72E-01	4.25E+00	4.95E-01	7.24E-05	2.09E-02	5.03E-03	5.21E-01	6.01E-01	1.67E+00	1.91E+00	1.72E-01	4.35E+00
4995	476363.09	3863377.25	3.13733	2.16922	10.942	2.1788	5.13E-01	1.68E+00	2.12E+00	1.60E-01	4.48E+00	5.06E-01	7.29E-05	2.33E-02	4.69E-03	5.34E-01	6.14E-01	1.68E+00	2.12E+00	1.60E-01	4.58E+00
4996	476863.09	3863377.25	3.25994	2.21451	11.889	2.08604	5.33E-01	1.72E+00	2.31E+00	1.54E-01	4.71E+00	5.25E-01	7.44E-05	2.53E-02	4.49E-03	5.55E-01	6.38E-01	1.72E+00	2.31E+00	1.54E-01	4.81E+00
4997	477363.09	3863377.25	3.45555	2.24344	12.065	2.11809	5.65E-01	1.74E+00	2.34E+00	1.56E-01	4.80E+00	5.57E-01	7.54E-05	2.57E-02	4.56E-03	5.87E-01	6.76E-01	1.74E+00	2.34E+00	1.56E-01	4.91E+00
4998	477863.09	3863377.25	3.71265	2.11148	11.739	2.30397	6.07E-01	1.64E+00	2.28E+00	1.70E-01	4.69E+00	5.98E-01	7.09E-05	2.50E-02	4.96E-03	6.28E-01	7.26E-01	1.64E+00	2.28E+00	1.70E-01	4.81E+00

4999	478363.09	3863377.25	3.78743	1.63914	12.083	3.3313	6.19E-01	1.27E+00	2.34E+00	2.45E-01	4.48E+00	6.10E-01	5.51E-05	2.57E-02	7.17E-03	6.43E-01	7.41E-01	1.27E+00	2.34E+00	2.45E-01	4.60E+00
5000	478863.09	3863377.25	3.90256	1.68527	12.067	3.27146	6.38E-01	1.31E+00	2.34E+00	2.41E-01	4.53E+00	6.29E-01	5.66E-05	2.57E-02	7.04E-03	6.62E-01	7.64E-01	1.31E+00	2.34E+00	2.41E-01	4.65E+00
5001	479363.09	3863377.25	3.91226	2.11963	12.749	2.42509	6.40E-01	1.64E+00	2.47E+00	1.79E-01	4.93E+00	6.30E-01	7.12E-05	2.71E-02	5.22E-03	6.63E-01	7.66E-01	1.64E+00	2.47E+00	1.79E-01	5.06E+00
5002	479863.09	3863377.25	3.84847	2.47723	13.691	2.74987	6.29E-01	1.92E+00	2.65E+00	2.02E-01	5.41E+00	6.20E-01	8.32E-05	2.91E-02	5.92E-03	6.55E-01	7.53E-01	1.92E+00	2.65E+00	2.02E-01	5.53E+00
5003	480363.09	3863377.25	3.87332	2.56692	12.9	2.7577	6.34E-01	1.99E+00	2.50E+00	2.03E-01	5.33E+00	6.24E-01	8.62E-05	2.74E-02	5.94E-03	6.58E-01	7.58E-01	1.99E+00	2.50E+00	2.03E-01	5.45E+00
5004	480863.09	3863377.25	3.89917	2.59897	15.135	2.44368	6.38E-01	2.02E+00	2.93E+00	1.80E-01	5.77E+00	6.28E-01	8.73E-05	3.22E-02	5.26E-03	6.66E-01	7.63E-01	2.02E+00	2.93E+00	1.80E-01	5.89E+00
5005	481363.09	3863377.25	3.95981	2.61247	17.236	2.35017	6.48E-01	2.03E+00	3.34E+00	1.73E-01	6.19E+00	6.38E-01	8.78E-05	3.66E-02	5.06E-03	6.80E-01	7.75E-01	2.03E+00	3.34E+00	1.73E-01	6.32E+00
5006	481863.09	3863377.25	4.02577	2.68062	17.208	2.2642	6.58E-01	2.08E+00	3.34E+00	1.67E-01	6.24E+00	6.49E-01	9.00E-05	3.66E-02	4.87E-03	6.90E-01	7.88E-01	2.08E+00	3.34E+00	1.67E-01	6.37E+00
5007	482363.09	3863377.25	4.10514	2.92773	14.963	2.50742	6.71E-01	2.27E+00	2.90E+00	1.85E-01	6.03E+00	6.61E-01	9.83E-05	3.18E-02	5.40E-03	6.99E-01	8.03E-01	2.27E+00	2.90E+00	1.85E-01	6.16E+00
5008	482863.09	3863377.25	4.13249	3.13772	13.373	2.91383	6.76E-01	2.43E+00	2.59E+00	2.15E-01	5.92E+00	6.66E-01	1.05E-04	2.84E-02	6.27E-03	7.01E-01	8.09E-01	2.43E+00	2.59E+00	2.15E-01	6.05E+00
5009	483363.09	3863377.25	4.19504	3.30905	13.54	3.22641	6.86E-01	2.57E+00	2.63E+00	2.38E-01	6.12E+00	6.76E-01	1.11E-04	2.88E-02	6.95E-03	7.12E-01	8.21E-01	2.57E+00	2.63E+00	2.38E-01	6.25E+00
5010	483863.09	3863377.25	4.96808	3.28478	10.448	3.29312	8.13E-01	2.55E+00	2.03E+00	2.42E-01	5.63E+00	8.01E-01	1.10E-04	2.22E-02	7.09E-03	8.30E-01	9.72E-01	2.55E+00	2.03E+00	2.42E-01	5.79E+00
5011	484363.09	3863377.25	5.33046	4.00211	8.5112	3.01935	8.72E-01	3.10E+00	1.65E+00	2.22E-01	5.85E+00	8.59E-01	1.34E-04	1.81E-02	6.50E-03	8.84E-01	1.04E+00	3.10E+00	1.65E+00	2.22E-01	6.02E+00
5012	484863.09	3863377.25	5.48117	4.05935	17.421	2.71533	8.97E-01	3.15E+00	3.38E+00	2.00E-01	7.62E+00	8.83E-01	1.36E-04	3.70E-02	5.85E-03	9.26E-01	1.07E+00	3.15E+00	3.38E+00	2.00E-01	7.80E+00
5013	485363.09	3863377.25	5.74011	4.30201	14.223	2.72223	9.39E-01	3.34E+00	2.76E+00	2.00E-01	7.23E+00	9.25E-01	1.45E-04	3.02E-02	5.86E-03	9.61E-01	1.12E+00	3.34E+00	2.76E+00	2.00E-01	7.42E+00
5014	485863.09	3863377.25	5.82509	4.6938	7	2.14538	9.53E-01	3.64E+00	1.36E+00	1.58E-01	6.11E+00	9.39E-01	1.58E-04	1.49E-02	4.62E-03	9.58E-01	1.14E+00	3.64E+00	1.36E+00	1.58E-01	6.30E+00
5015	486363.09	3863377.25	5.49425	5.11005	9.0651	2.08981	8.99E-01	3.96E+00	1.76E+00	1.54E-01	6.77E+00	8.85E-01	1.72E-04	1.93E-02	4.50E-03	9.09E-01	1.08E+00	3.96E+00	1.76E+00	1.54E-01	6.95E+00
5016	486863.09	3863377.25	6.07262	4.84071	10.635	2.24616	9.93E-01	3.75E+00	2.06E+00	1.65E-01	6.98E+00	9.78E-01	1.63E-04	2.26E-02	4.84E-03	1.01E+00	1.19E+00	3.76E+00	2.06E+00	1.65E-01	7.17E+00
5017	487363.09	3863377.25	6.0171	5.77713	17.393	2.7186	9.84E-01	4.48E+00	3.37E+00	2.00E-01	9.04E+00	9.70E-01	1.94E-04	3.70E-02	5.85E-03	1.01E+00	1.18E+00	4.48E+00	3.37E+00	2.00E-01	9.23E+00
5018	487863.09	3863377.25	6.45729	5.83383	16.936	3.88827	1.06E+00	4.53E+00	3.28E+00	2.86E-01	9.15E+00	1.04E+00	1.96E-04	3.60E-02	8.37E-03	1.09E+00	1.26E+00	4.53E+00	3.28E+00	2.86E-01	9.36E+00
5019	488363.09	3863377.25	6.96536	5.69376	13.581	3.29168	1.14E+00	4.42E+00	2.63E+00	2.42E-01	8.43E+00	1.12E+00	1.91E-04	2.89E-02	7.09E-03	1.16E+00	1.36E+00	4.42E+00	2.63E+00	2.42E-01	8.66E+00
5020	488863.09	3863377.25	7.2597	5.78759	9.0707	2.77571	1.19E+00	4.49E+00	1.76E+00	2.04E-01	7.64E+00	1.17E+00	1.94E-04	1.93E-02	5.98E-03	1.20E+00	1.42E+00	4.49E+00	1.76E+00	2.04E-01	7.87E+00
5021	489363.09	3863377.25	7.55024	7.08065	9.9026	2.44952	1.23E+00	5.49E+00	1.92E+00	1.80E-01	8.83E+00	1.22E+00	2.38E-04	2.11E-02	5.27E-03	1.24E+00	1.48E+00	5.49E+00	1.92E+00	1.80E-01	9.07E+00
5022	489863.09	3863377.25	8.96305	8.60108	6.5776	3.17354	1.47E+00	6.67E+00	1.28E+00	2.34E-01	9.65E+00	1.44E+00	2.89E-04	1.40E-02	6.83E-03	1.47E+00	1.75E+00	6.67E+00	1.28E+00	2.34E-01	9.94E+00
5023	490363.09	3863377.25	9.94559	9.41814	7.2271	3.87747	1.63E+00	7.31E+00	1.40E+00	2.85E-01	1.06E+01	1.60E+00	3.16E-04	1.54E-02	8.35E-03	1.63E+00	1.95E+00	7.31E+00	1.40E+00	2.85E-01	1.09E+01
5024	490863.09	3863377.25	8.68922	8.94949	8.1382	4.82254	1.42E+00	6.94E+00	1.58E+00	3.55E-01	1.03E+01	1.40E+00	3.01E-04	1.73E-02	1.04E-02	1.43E+00	1.70E+00	6.94E+00	1.58E+00	3.55E-01	1.06E+01
5025	491363.09	3863377.25	8.62834	10.2354	9.1669	5.58671	1.41E+00	7.94E+00	1.78E+00	4.11E-01	1.15E+01	1.39E+00	3.44E-04	1.95E-02	1.20E-02	1.42E+00	1.69E+00	7.94E+00	1.78E+00	4.11E-01	1.18E+01
5026	491863.09	3863377.25	8.70759	10.1252	10.809	6.01152	1.42E+00	7.85E+00	2.10E+00	4.43E-01	1.18E+01	1.40E+00	3.40E-04	2.30E-02	1.29E-02	1.44E+00	1.70E+00	7.85E+00	2.10E+00	4.43E-01	1.21E+01
5027	492363.09	3863377.25	8.33164	9.92144	13.965	6.24589	1.36E+00	7.70E+00	2.71E+00	4.60E-01	1.22E+01	1.34E+00	3.33E-04	2.97E-02	1.34E-02	1.39E+00	1.63E+00	7.70E+00	2.71E+00	4.60E-01	1.25E+01
5028	492863.09	3863377.25	8.50263	9.26467	14.932	4.99021	1.39E+00	7.19E+00	2.90E+00	3.67E-01	1.18E+01	1.37E+00	3.11E-04	3.17E-02	1.07E-02	1.41E+00	1.66E+00	7.19E+00	2.90E+00	3.67E-01	1.21E+01
5029	493363.09	3863377.25	8.71815	9.15678	16.541	4.15713	1.43E+00	7.10E+00	3.21E+00	3.06E-01	1.20E+01	1.40E+00	3.08E-04	3.52E-02	8.95E-03	1.45E+00	1.71E+00	7.10E+00	3.21E+00	3.06E-01	1.23E+01
5030	493863.09	3863377.25	7.68149	8.11297	19.389	4.05199	1.26E+00	6.29E+00	3.76E+00	2.98E-01	1.16E+01	1.24E+00	2.73E-04	4.12E-02	8.72E-03	1.29E+00	1.50E+00	6.29E+00	3.76E+00	2.98E-01	1.19E+01
5031	494363.09	3863377.25	7.60323	7.33694	16.627	3.9234	1.24E+00	5.69E+00	3.22E+00	2.89E-01	1.04E+01	1.23E+00	2.46E-04	3.54E-02	8.45E-03	1.27E+00	1.49E+00	5.69E+00	3.22E+00	2.89E-01	1.07E+01
5032	494863.09	3863377.25	7.04407	6.9727	11.159	4.05865	1.15E+00	5.41E+00	2.16E+00	2.99E-01	9.02E+00	1.14E+00	2.34E-04	2.37E-02	8.74E-03	1.17E+00	1.38E+00	5.41E+00	2.16E+00	2.99E-01	9.25E+00
5033	495363.09	3863377.25	6.76997	6.93315	10.073	4.22336	1.11E+00	5.38E+00	1.95E+00	3.11E-01	8.75E+00	1.09E+00	2.33E-04	2.14E-02	9.09E-03	1.12E+00	1.32E+00	5.38E+00	1.95E+00	3.11E-01	8.97E+00
5034	495863.09	3863377.25	6.59612	6.66217	10.515	4.19238	1.08E+00	5.17E+00	2.04E+00	3.09E-01	8.59E+00	1.06E+00	2.24E-04	2.24E-02	9.03E-03	1.09E+00	1.29E+00	5.17E+00	2.04E+00	3.09E-01	8.81E+00
5035	496363.09	3863377.25	6.07215	6.02466	9.3941	3.50284	9.93E-01	4.67E+00	1.82E+00	2.58E-01	7.75E+00	9.78E-01	2.02E-04	2.00E-02	7.54E-03	1.01E+00	1.19E+00	4.67E+00	1.82E+00	2.58E-01	7.94E+00
5036	496863.09	3863377.25	5.70029	5.40414	11.413	3.18343	9.32E-01	4.19E+00	2.21E+00	2.34E-01	7.57E+00	9.18E-01	1.82E-04	2.43E-02	6.85E-03	9.50E-01	1.12E+00	4.19E+00	2.21E+00	2.34E-01	7.76E+00
5037	497363.09	3863377.25	5.50914	4.66607	12.773	3.0988	9.01E-01	3.62E+00	2.48E+00	2.28E-01	7.23E+00	8.88E-01	1.57E-04	2.72E-02	6.67E-03	9.22E-01	1.08E+00	3.62E+00	2.48E+00	2.28E-01	7.40E+00
5038	497863.09	3863377.25	5.39627	4.25736	11.487	3.02346	8.83E-01	3.30E+00	2.23E+00	2.23E-01	6.63E+00	8.70E-01	1.43E-04	2.44E-02	6.51E-03	9.01E-01	1.06E+00	3.30E+00	2.23E+00	2.23E-01	6.81E+00
5039	498363.09	3863377.25	5.57008	3.96153	8.9924	2.86797	9.11E-01	3.07E+00	1.74E+00	2.11E-01	5.94E+00	8.98E-01	1.33E-04	1.91E-02	6.17E-03	9.23E-01	1.09E+00	3.07E+00	1.74E+00	2.11E-01	6.12E+00
5040	471363.09	3863877.25	2.85878	1.92996	10.537	1.947	4.68E-01	1.50E+00	2.04E+00	1.43E-01	4.15E+00	4.61E-01	6.48E-05	2.24E-02	4.19E-03	4.87E-01	5.59E-01	1.50E+00	2.04E+00	1.43E-01	4.24E+00
5041	471863.09	3863877.25	2.81926	1.92231	10.882	2.02074	4.61E-01	1.49E+00	2.11E+00	1.49E-01	4.21E+00	4.54E-01	6.46E-05	2.31E-02	4.35E-03	4.82E-01	5.52E-01	1.49E+00	2.11E+00	1.49E-01	4.30E+00
5042	472363.09	3863877.25	2.78421	1.94585	10.81	2.07234	4.55E-01	1.51E+00	2.10E+00	1.53E-01	4.21E+00	4.49E-01	6.54E-05	2.30E-02	4.46E-03	4.76E-01	5.45E-01	1.51E+00	2.10E+00	1.53E-01	4.30E+00
5043	472863.09	3863877.25	2.72288	1.94798	10.43	2.0899	4.45E-01	1.51E+00	2.02E+00	1.54E-01	4.13E+00	4.39E-01	6.54E-05	2.22E-02	4.50E-03	4.65E-01	5.33E-01	1.51E+00	2.02E+00	1.54E-01	4.22E+00
5044	473363.09	3863877.25	2.75451	1.96515	9.9564	2.11797	4.51E-01	1.52E+00	1.93E+00	1.56E-01	4.06E+00	4.44E-01	6.60E-05	2.12E-02	4.56E-03	4.70E-01	5.39E-01	1.52E+00	1.93E+00	1.56E-01	4.15E+00
5045	473863.09	3863877.25	2.83291	1.98642	9.0448	2.10321	4.63E-01	1.54E+00	1.75E+00	1.55E-01	3.91E+00	4.56E-01	6.67E-05	1.92E-02	4.53E-03	4.80E-01	5.54E-01	1.54E+00	1.75E+00	1.55E-01	4.00E+00
5046	474363.09	3863877.25	2.8848	2.02748	8.6248	2.18078	4.72E-01	1.57E+00	1.67E+00	1.61E-01	3.88E+00	4.65E-01	6.81E-05	1.83E-02	4.69E-03	4.88E-01	5.64E-01	1.57E+00	1.67E+00	1.61E-01	3.97E+00
5047	474863.09	3863877.25	2.9091	2.05872	9.7013	2.23476	4.76E-01	1.60E+00	1.88E+00	1.65E-01	4.12E+00	4.69E-01	6.92E-05	2.06E-02	4.81E-03	4.94E-01	5.69E-01	1.60E+00	1.88E+00	1.65E-01	4.21E+00
5048	475363.09	3863877.25	2.92978	2.05555	10.563	2.20926	4.79E-01	1.59E+00	2.05E+00	1.63E-01	4.28E+00	4.72E-01	6.90E-05	2.25E-02	4.76E-03	4.99E-01	5.73E-01	1.59E+00	2.05E+00	1.63E-01	4.38E+00
5049	475863.09	3863877.25	2.98708	2.11886	11.531	2.07958	4.89E-01	1.64E+00	2.24E+00	1.53E-01	4.52E+00	4.81E-01	7.12E-05	2.45E-02	4.48E-03	5.10E-01	5.85E-01	1.64E+00	2.24E+00	1.53E-01	4.62E+00
5050	476363.09	3863877.25	3.08087	2.12273	11.669	2.0836	5.04E-01	1.65E+00	2.26E+00	1.53E-01	4.57E+00	4.96E-01	7.13E-05	2.48E-02	4.49E-03	5.26E-01	6.03E-01	1.65E+00	2.26E+00	1.53E-01	4.67E+00
5051	476863.09	3863877.25	3.25746	2.16107	11.279	2.15495	5.33E-01	1.68E+00	2.19E+00	1.59E-01	4.55E+00	5.25E-01	7.26E-05	2.40E-02	4.64E-03	5.54E-01	6.37E-01	1.68E+00	2.19E+00	1.59E-01	4.66E+00
5052	477363.09	3863877.25	3.5223	2.14469	10.657	2.21292	5.76E-01	1.66E+00	2.07E+00	1.63E-01	4.47E+00	5.68E-01	7.20E-05	2.27E-02	4.76E-03	5.95E-01	6.89E-01	1.66E+00	2.07E+00	1.63E-01	4.58E+00
5053	477863.09	3863877.25	3.65409	2.06554	10.064	2.27677	5.98E-01	1.60E+00	1.95E+00	1.68E-01	4.32E+00	5.89E-01	6.94E-05	2.14E-02	4.90E-03	6.15E-01	7.15E-01	1.60E+00	1.95E+00	1.68E-01	4.44E+00
5054	478363.09	3863877.25	3.73534	1.80893	11.993	2.74739	6.11E-01	1.40E+00	2.33E+00	2.02E-01	4.54E+00	6.02E-01	6.08E-05	2.55E-02	5.91E-03	6.33E-01	7.31E-01	1.40E+00	2.33E+00	2.02E-01	4.66E+00
5055	478863.09	3863877.25	3.7017	2.19264	12.489	2.07015	6.05E-01	1.70E+00	2.42E+00	1.52E-01	4.88E+00	5.96E-01	7.37E-05	2.66E-02	4.46E-03	6.28E-01	7.24E-01	1.70E+00	2.42E+00	1.52E-01	5.00E+00
5056	479363.09	3863877.25	3.63584	2.33884	12.623	2.45126	5.95E-01	1.81E+00	2.45E+00	1.80E-01	5.04E+00	5.86E-01	7.86E-05	2.68E-02	5.28E-03	6.18E-01	7.11E-01	1.81E+00	2.45E+00	1.80E-01	5.15E+00
5057	479863.09	3863877.25	3.67815	2.37295	12.184	2.81242	6.02E-01	1.84E+00	2.36E+00	2.07E-01	5.01E+00	5.93E-01	7.97E-05	2.59E-02	6.05E-03	6.25E-01	7.20E-01	1.84E+00	2.36E+00	2.07E-01	5.13E+00
5058	480363.09	3863877.25	3.65824	2.36204	14.819	2.6064	5.98E-01	1.83E+00	2.87E+00	1.92E-01	5.50E+00	5.89E-01	7.93E-05	3.15E-02	5.61E-03	6.27E-01	7.16E-01	1.83E+00	2.87E+00	1.92E-01	5.61E+00
5059	480863.09	3863877.25	3.74271	2.35645	16.671	2.35978	6.12E-01	1.83E+00	3.23E+00	1.74E-01	5.85E+00	6.03E-01	7.92E-05	3.54E-02	5.08E-03	6.44E-01	7.32E-01	1.83E+00	3.23E+00	1.74E-01	5.97E+00

5060	481363.09	3863877.25	3.76298	2.43134	15.728	2.30224	6.15E-01	1.89E+00	3.05E+00	1.70E-01	5.72E+00	6.06E-01	8.17E-05	3.34E-02	4.96E-03	6.45E-01	7.36E-01	1.89E+00	3.05E+00	1.70E-01	5.84E+00
5061	481863.09	3863877.25	3.8445	2.53561	13.582	2.35169	6.29E-01	1.97E+00	2.63E+00	1.73E-01	5.40E+00	6.19E-01	8.52E-05	2.89E-02	5.06E-03	6.53E-01	7.52E-01	1.97E+00	2.63E+00	1.73E-01	5.53E+00
5062	482363.09	3863877.25	3.92587	2.85305	12.218	2.55972	6.42E-01	2.21E+00	2.37E+00	1.88E-01	5.41E+00	6.33E-01	9.58E-05	2.60E-02	5.51E-03	6.64E-01	7.68E-01	2.21E+00	2.37E+00	1.88E-01	5.54E+00
5063	482863.09	3863877.25	3.9121	3.10656	12.419	3.04673	6.40E-01	2.41E+00	2.41E+00	2.24E-01	5.68E+00	6.30E-01	1.04E-04	2.64E-02	6.56E-03	6.63E-01	7.66E-01	2.41E+00	2.41E+00	2.24E-01	5.81E+00
5064	483363.09	3863877.25	4.00243	3.17408	10.222	3.34188	6.55E-01	2.46E+00	1.98E+00	2.46E-01	5.35E+00	6.45E-01	1.07E-04	2.17E-02	7.19E-03	6.74E-01	7.83E-01	2.46E+00	1.98E+00	2.46E-01	5.47E+00
5065	483863.09	3863877.25	4.86633	3.59251	7.7471	3.00175	7.96E-01	2.79E+00	1.50E+00	2.21E-01	5.31E+00	7.84E-01	1.21E-04	1.65E-02	6.46E-03	8.07E-01	9.52E-01	2.79E+00	1.50E+00	2.21E-01	5.46E+00
5066	484363.09	3863877.25	5.09889	3.60305	13.937	2.67248	8.34E-01	2.79E+00	2.70E+00	1.97E-01	6.53E+00	8.22E-01	1.21E-04	2.96E-02	5.75E-03	8.57E-01	9.98E-01	2.80E+00	2.70E+00	1.97E-01	6.69E+00
5067	484863.09	3863877.25	5.26336	3.62699	18.002	2.51999	8.61E-01	2.81E+00	3.49E+00	1.86E-01	7.35E+00	8.48E-01	1.22E-04	3.83E-02	5.42E-03	8.92E-01	1.03E+00	2.81E+00	3.49E+00	1.86E-01	7.52E+00
5068	485363.09	3863877.25	5.53433	4.00954	10.333	2.13547	9.05E-01	3.11E+00	2.00E+00	1.57E-01	6.18E+00	8.92E-01	1.35E-04	2.20E-02	4.60E-03	9.18E-01	1.08E+00	3.11E+00	2.00E+00	1.57E-01	6.35E+00
5069	485863.09	3863877.25	5.54057	4.49284	6.4001	2.21458	9.06E-01	3.49E+00	1.24E+00	1.63E-01	5.80E+00	8.93E-01	1.51E-04	1.36E-02	4.77E-03	9.11E-01	1.08E+00	3.49E+00	1.24E+00	1.63E-01	5.97E+00
5070	486363.09	3863877.25	5.16668	4.84741	9.2107	2.20257	8.45E-01	3.76E+00	1.79E+00	1.62E-01	6.55E+00	8.33E-01	1.63E-04	1.96E-02	4.74E-03	8.57E-01	1.01E+00	3.76E+00	1.79E+00	1.62E-01	6.72E+00
5071	486863.09	3863877.25	5.74427	4.60877	10.633	2.30676	9.40E-01	3.58E+00	2.06E+00	1.70E-01	6.75E+00	9.26E-01	1.55E-04	2.26E-02	4.97E-03	9.53E-01	1.12E+00	3.58E+00	2.06E+00	1.70E-01	6.93E+00
5072	487363.09	3863877.25	5.70979	5.21229	17.39	2.73644	9.34E-01	4.04E+00	3.37E+00	2.01E-01	8.55E+00	9.20E-01	1.75E-04	3.70E-02	5.89E-03	9.63E-01	1.12E+00	4.04E+00	3.37E+00	2.01E-01	8.73E+00
5073	487863.09	3863877.25	6.06218	5.24746	15.89	3.78117	9.92E-01	4.07E+00	3.08E+00	2.78E-01	8.42E+00	9.77E-01	1.76E-04	3.38E-02	8.14E-03	1.02E+00	1.19E+00	4.07E+00	3.08E+00	2.78E-01	8.62E+00
5074	488363.09	3863877.25	6.31994	5.03712	13.281	3.10255	1.03E+00	3.91E+00	2.58E+00	2.28E-01	7.74E+00	1.02E+00	1.69E-04	2.82E-02	6.68E-03	1.05E+00	1.24E+00	3.91E+00	2.58E+00	2.28E-01	7.95E+00
5075	488863.09	3863877.25	6.90485	5.25374	8.6808	2.65374	1.13E+00	4.08E+00	1.68E+00	1.95E-01	7.08E+00	1.11E+00	1.76E-04	1.85E-02	5.71E-03	1.14E+00	1.35E+00	4.08E+00	1.68E+00	1.95E-01	7.31E+00
5076	489363.09	3863877.25	7.23904	5.79253	9.5021	2.40938	1.18E+00	4.49E+00	1.84E+00	1.77E-01	7.70E+00	1.17E+00	1.95E-04	2.02E-02	5.19E-03	1.19E+00	1.42E+00	4.49E+00	1.84E+00	1.77E-01	7.93E+00
5077	489863.09	3863877.25	7.04216	7.2434	7.5168	2.658	1.15E+00	5.62E+00	1.46E+00	1.96E-01	8.42E+00	1.13E+00	2.43E-04	1.60E-02	5.72E-03	1.16E+00	1.38E+00	5.62E+00	1.46E+00	1.96E-01	8.65E+00
5078	490363.09	3863877.25	9.33701	7.95467	6.1284	3.3265	1.53E+00	6.17E+00	1.19E+00	2.45E-01	9.13E+00	1.50E+00	2.67E-04	1.30E-02	7.16E-03	1.52E+00	1.83E+00	6.17E+00	1.19E+00	2.45E-01	9.43E+00
5079	490863.09	3863877.25	8.85349	8.58491	7.0799	3.91514	1.45E+00	6.66E+00	1.37E+00	2.88E-01	9.77E+00	1.43E+00	2.88E-04	1.51E-02	8.43E-03	1.45E+00	1.73E+00	6.66E+00	1.37E+00	2.88E-01	1.01E+01
5080	491363.09	3863877.25	7.84226	7.97977	7.5347	4.68757	1.28E+00	6.19E+00	1.46E+00	3.45E-01	9.28E+00	1.26E+00	2.68E-04	1.60E-02	1.01E-02	1.29E+00	1.53E+00	6.19E+00	1.46E+00	3.45E-01	9.53E+00
5081	491863.09	3863877.25	8.49432	9.35011	10.015	5.71802	1.39E+00	7.25E+00	1.94E+00	4.21E-01	1.10E+01	1.37E+00	3.14E-04	2.13E-02	1.23E-02	1.40E+00	1.66E+00	7.25E+00	1.94E+00	4.21E-01	1.13E+01
5082	492363.09	3863877.25	8.39557	10.4697	12.074	6.37667	1.37E+00	8.12E+00	2.34E+00	4.69E-01	1.23E+01	1.35E+00	3.52E-04	2.57E-02	1.37E-02	1.39E+00	1.64E+00	8.12E+00	2.34E+00	4.69E-01	1.26E+01
5083	492863.09	3863877.25	8.17224	9.90033	15.293	6.84563	1.34E+00	7.68E+00	2.97E+00	5.04E-01	1.25E+01	1.32E+00	3.33E-04	3.25E-02	1.47E-02	1.36E+00	1.60E+00	7.68E+00	2.97E+00	5.04E-01	1.27E+01
5084	493363.09	3863877.25	8.0494	9.26049	14.673	5.05918	1.32E+00	7.18E+00	2.85E+00	3.72E-01	1.17E+01	1.30E+00	3.11E-04	3.12E-02	1.09E-02	1.34E+00	1.58E+00	7.18E+00	2.85E+00	3.72E-01	1.20E+01
5085	493863.09	3863877.25	8.09672	8.6982	14.933	3.6914	1.32E+00	6.75E+00	2.90E+00	2.72E-01	1.12E+01	1.30E+00	2.92E-04	3.18E-02	7.95E-03	1.34E+00	1.58E+00	6.75E+00	2.90E+00	2.72E-01	1.15E+01
5086	494363.09	3863877.25	7.25357	7.8723	18.476	3.88027	1.19E+00	6.11E+00	3.58E+00	2.86E-01	1.12E+01	1.17E+00	2.64E-04	3.93E-02	8.35E-03	1.22E+00	1.42E+00	6.11E+00	3.58E+00	2.86E-01	1.14E+01
5087	494863.09	3863877.25	7.05088	7.39392	18.362	4.04783	1.15E+00	5.74E+00	3.56E+00	2.98E-01	1.07E+01	1.14E+00	2.48E-04	3.90E-02	8.71E-03	1.18E+00	1.38E+00	5.74E+00	3.56E+00	2.98E-01	1.10E+01
5088	495363.09	3863877.25	6.74058	7.05897	12.814	4.0388	1.10E+00	5.48E+00	2.48E+00	2.97E-01	9.36E+00	1.09E+00	2.37E-04	2.72E-02	8.69E-03	1.12E+00	1.32E+00	5.48E+00	2.48E+00	2.97E-01	9.58E+00
5089	495863.09	3863877.25	6.28	6.63501	9.3305	4.24389	1.03E+00	5.15E+00	1.81E+00	3.12E-01	8.30E+00	1.01E+00	2.23E-04	1.98E-02	9.14E-03	1.04E+00	1.23E+00	5.15E+00	1.81E+00	3.12E-01	8.50E+00
5090	496363.09	3863877.25	6.16903	6.08919	8.9936	4.14281	1.01E+00	4.72E+00	1.74E+00	3.05E-01	7.78E+00	9.94E-01	2.05E-04	1.91E-02	8.92E-03	1.02E+00	1.21E+00	4.72E+00	1.74E+00	3.05E-01	7.98E+00
5091	496863.09	3863877.25	5.54455	5.80565	9.2042	3.61335	9.07E-01	4.50E+00	1.78E+00	2.66E-01	7.46E+00	8.93E-01	1.95E-04	1.96E-02	7.78E-03	9.21E-01	1.08E+00	4.50E+00	1.78E+00	2.66E-01	7.64E+00
5092	497363.09	3863877.25	5.49071	5.48007	9.6233	3.33501	8.98E-01	4.25E+00	1.87E+00	2.46E-01	7.26E+00	8.85E-01	1.84E-04	2.05E-02	7.18E-03	9.13E-01	1.07E+00	4.25E+00	1.87E+00	2.46E-01	7.44E+00
5093	497863.09	3863877.25	5.22137	5.03228	11.934	3.07342	8.54E-01	3.90E+00	2.31E+00	2.26E-01	7.30E+00	8.41E-01	1.69E-04	2.54E-02	6.62E-03	8.73E-01	1.02E+00	3.90E+00	2.31E+00	2.26E-01	7.47E+00
5094	498363.09	3863877.25	4.96677	4.34356	12.319	2.97871	8.12E-01	3.37E+00	2.39E+00	2.19E-01	6.79E+00	8.00E-01	1.46E-04	2.62E-02	6.41E-03	8.33E-01	9.72E-01	3.37E+00	2.39E+00	2.19E-01	6.95E+00
5095	471363.09	3864377.25	2.62259	1.82277	10.039	2.00317	4.29E-01	1.41E+00	1.95E+00	1.47E-01	3.94E+00	4.23E-01	6.12E-05	2.13E-02	4.31E-03	4.48E-01	5.13E-01	1.41E+00	1.95E+00	1.47E-01	4.02E+00
5096	471863.09	3864377.25	2.58193	1.83253	9.4888	2.0017	4.22E-01	1.42E+00	1.84E+00	1.47E-01	3.83E+00	4.16E-01	6.16E-05	2.02E-02	4.31E-03	4.41E-01	5.05E-01	1.42E+00	1.84E+00	1.47E-01	3.91E+00
5097	472363.09	3864377.25	2.58638	1.8565	8.8135	1.99951	4.23E-01	1.44E+00	1.71E+00	1.47E-01	3.72E+00	4.17E-01	6.24E-05	1.87E-02	4.30E-03	4.40E-01	5.06E-01	1.44E+00	1.71E+00	1.47E-01	3.80E+00
5098	472863.09	3864377.25	2.71219	1.88353	7.9953	1.95949	4.44E-01	1.46E+00	1.55E+00	1.44E-01	3.60E+00	4.37E-01	6.33E-05	1.70E-02	4.22E-03	4.58E-01	5.31E-01	1.46E+00	1.55E+00	1.44E-01	3.69E+00
5099	473363.09	3864377.25	2.73896	1.92034	8.3355	1.96425	4.48E-01	1.49E+00	1.62E+00	1.45E-01	3.70E+00	4.41E-01	6.45E-05	1.77E-02	4.23E-03	4.63E-01	5.36E-01	1.49E+00	1.62E+00	1.45E-01	3.79E+00
5100	473863.09	3864377.25	2.77994	1.92682	9.2812	2.11265	4.55E-01	1.49E+00	1.80E+00	1.56E-01	3.90E+00	4.48E-01	6.47E-05	1.97E-02	4.55E-03	4.72E-01	5.44E-01	1.49E+00	1.80E+00	1.56E-01	3.99E+00
5101	474363.09	3864377.25	2.81373	1.9267	10.171	2.22454	4.60E-01	1.49E+00	1.97E+00	1.64E-01	4.09E+00	4.53E-01	6.47E-05	2.16E-02	4.79E-03	4.80E-01	5.51E-01	1.49E+00	1.97E+00	1.64E-01	4.18E+00
5102	474863.09	3864377.25	2.79033	1.94417	10.891	2.23278	4.56E-01	1.51E+00	2.11E+00	1.64E-01	4.24E+00	4.50E-01	6.53E-05	2.32E-02	4.81E-03	4.78E-01	5.46E-01	1.51E+00	2.11E+00	1.64E-01	4.33E+00
5103	475363.09	3864377.25	2.86488	1.99292	11.176	2.12195	4.69E-01	1.55E+00	2.17E+00	1.56E-01	4.34E+00	4.62E-01	6.69E-05	2.38E-02	4.57E-03	4.90E-01	5.61E-01	1.55E+00	2.17E+00	1.56E-01	4.43E+00
5104	475863.09	3864377.25	2.9253	2.01826	10.757	2.17368	4.78E-01	1.57E+00	2.09E+00	1.60E-01	4.29E+00	4.71E-01	6.78E-05	2.29E-02	4.68E-03	4.99E-01	5.72E-01	1.57E+00	2.09E+00	1.60E-01	4.38E+00
5105	476363.09	3864377.25	3.10327	2.02093	10.516	2.18022	5.08E-01	1.57E+00	2.04E+00	1.61E-01	4.27E+00	5.00E-01	6.79E-05	2.24E-02	4.69E-03	5.27E-01	6.07E-01	1.57E+00	2.04E+00	1.61E-01	4.37E+00
5106	476863.09	3864377.25	3.362	2.03275	9.8451	2.1079	5.50E-01	1.58E+00	1.91E+00	1.55E-01	4.19E+00	5.42E-01	6.83E-05	2.09E-02	4.54E-03	5.67E-01	6.58E-01	1.58E+00	1.91E+00	1.55E-01	4.30E+00
5107	477363.09	3864377.25	3.46552	2.07306	10.4	2.0957	5.67E-01	1.61E+00	2.02E+00	1.54E-01	4.35E+00	5.58E-01	6.96E-05	2.21E-02	4.51E-03	5.85E-01	6.78E-01	1.61E+00	2.02E+00	1.54E-01	4.46E+00
5108	477863.09	3864377.25	3.50037	2.12461	11.483	2.0743	5.73E-01	1.65E+00	2.23E+00	1.53E-01	4.60E+00	5.64E-01	7.14E-05	2.44E-02	4.47E-03	5.93E-01	6.85E-01	1.65E+00	2.23E+00	1.53E-01	4.71E+00
5109	478363.09	3864377.25	3.47645	2.17185	11.876	2.03082	5.69E-01	1.68E+00	2.30E+00	1.50E-01	4.71E+00	5.60E-01	7.30E-05	2.53E-02	4.37E-03	5.90E-01	6.80E-01	1.68E+00	2.30E+00	1.50E-01	4.82E+00
5110	478863.09	3864377.25	3.40356	2.18491	11.36	2.2923	5.57E-01	1.69E+00	2.20E+00	1.69E-01	4.62E+00	5.48E-01	7.34E-05	2.42E-02	4.93E-03	5.78E-01	6.66E-01	1.69E+00	2.20E+00	1.69E-01	4.73E+00
5111	479363.09	3864377.25	3.46934	2.15809	12.152	2.7357	5.67E-01	1.67E+00	2.36E+00	2.01E-01	4.80E+00	5.59E-01	7.25E-05	2.58E-02	5.89E-03	5.91E-01	6.79E-01	1.67E+00	2.36E+00	2.01E-01	4.91E+00
5112	479863.09	3864377.25	3.49386	2.14294	14.533	2.61322	5.71E-01	1.66E+00	2.82E+00	1.92E-01	5.24E+00	5.63E-01	7.20E-05	3.09E-02	5.63E-03	6.00E-01	6.84E-01	1.66E+00	2.82E+00	1.92E-01	5.36E+00
5113	480363.09	3864377.25	3.49501	2.13022	15.879	2.35034	5.72E-01	1.65E+00	3.08E+00	1.73E-01	5.48E+00	5.63E-01	7.16E-05	3.38E-02	5.06E-03	6.02E-01	6.84E-01	1.65E+00	3.08E+00	1.73E-01	5.59E+00
5114	480863.09	3864377.25	3.56565	2.28591	14.288	2.27345	5.83E-01	1.77E+00	2.77E+00	1.67E-01	5.29E+00	5.75E-01	7.68E-05	3.04E-02	4.89E-03	6.10E-01	6.98E-01	1.77E+00	2.77E+00	1.67E-01	5.41E+00
5115	481363.09	3864377.25	3.55503	2.36006	12.405	2.21875	5.81E-01	1.83E+00	2.41E+00	1.63E-01	4.98E+00	5.73E-01	7.93E-05	2.64E-02	4.78E-03	6.04E-01	6.96E-01	1.83E+00	2.41E+00	1.63E-01	5.10E+00
5116	481863.09	3864377.25	3.7126	2.45801	11.078	2.3658	6.07E-01	1.91E+00	2.15E+00	1.74E-01	4.84E+00	5.98E-01	8.26E-05	2.36E-02	5.09E-03	6.27E-01	7.26E-01	1.91E+00	2.15E+00	1.74E-01	4.96E+00
5117	482363.09	3864377.25	3.72689	2.73115	11.403	2.85492	6.10E-01	2.12E+00	2.21E+00	2.10E-01	5.15E+00	6.01E-01	9.17E-05	2.42E-02	6.15E-03	6.31E-01	7.29E-01	2.12E+00	2.21E+00	2.10E-01	5.27E+00
5118	482863.09	3864377.25	3.69924	3.02458	9.921	3.17798	6.05E-01	2.35E+00	1.92E+00	2.34E-01	5.11E+00	5.96E-01	1.02E-04	2.11E-02	6.84E-03	6.24E-01	7.24E-01	2.35E+00	1.92E+00	2.34E-01	5.23E+00
5119	483363.09	3864377.25	3.86723	3.36592	7.1607	2.95858	6.33E-01	2.61E+00	1.39E+00	2.18E-01	4.85E+00	6.23E-01	1.13E-04	1.52E-02	6.37E-03	6.45E-01	7.57E-01	2.61E+00	1.39E+00	2.18E-01	4.97E+00
5120	483863.09	3864377.25	4.71774	3.22898	10.143	2.6096	7.72E-01	2.50E+00	1.97E+00	1.92E-01	5.44E+00	7.60E-01	1.08E-04	2.16E-02	5.62E-03	7.87E-01	9.23E-01	2.50E+00	1.97E+00	1.92E-01	5.59E+00

5121	484363.09	3864377.25	4.92382	3.20183	18.554	2.43193	8.05E-01	2.48E+00	3.60E+00	1.79E-01	7.07E+00	7.93E-01	1.08E-04	3.94E-02	5.24E-03	8.38E-01	9.63E-01	2.48E+00	3.60E+00	1.79E-01	7.22E+00
5122	484863.09	3864377.25	5.04164	3.63701	13.792	2.21099	8.25E-01	2.82E+00	2.67E+00	1.63E-01	6.48E+00	8.12E-01	1.22E-04	2.93E-02	4.76E-03	8.47E-01	9.87E-01	2.82E+00	2.67E+00	1.63E-01	6.65E+00
5123	485363.09	3864377.25	5.30231	3.59149	7.1118	1.91254	8.67E-01	2.79E+00	1.38E+00	1.41E-01	5.17E+00	8.54E-01	1.21E-04	1.51E-02	4.12E-03	8.74E-01	1.04E+00	2.79E+00	1.38E+00	1.41E-01	5.34E+00
5124	485863.09	3864377.25	5.19798	4.16995	7.6731	2.28203	8.50E-01	3.23E+00	1.49E+00	1.68E-01	5.74E+00	8.38E-01	1.40E-04	1.63E-02	4.91E-03	8.59E-01	1.02E+00	3.23E+00	1.49E+00	1.68E-01	5.91E+00
5125	486363.09	3864377.25	4.89083	4.27324	8.7678	2.31921	8.00E-01	3.31E+00	1.70E+00	1.71E-01	5.99E+00	7.88E-01	1.44E-04	1.86E-02	4.99E-03	8.12E-01	9.57E-01	3.31E+00	1.70E+00	1.71E-01	6.14E+00
5126	486863.09	3864377.25	5.43678	4.3682	10.893	2.46137	8.89E-01	3.39E+00	2.11E+00	1.81E-01	6.57E+00	8.76E-01	1.47E-04	2.32E-02	5.30E-03	9.05E-01	1.06E+00	3.39E+00	2.11E+00	1.81E-01	6.75E+00
5127	487363.09	3864377.25	5.47494	4.78259	17.276	2.79957	8.95E-01	3.71E+00	3.35E+00	2.06E-01	8.16E+00	8.82E-01	1.61E-04	3.67E-02	6.03E-03	9.25E-01	1.07E+00	3.71E+00	3.35E+00	2.06E-01	8.34E+00
5128	487863.09	3864377.25	5.6771	4.74657	14.955	3.59584	9.29E-01	3.68E+00	2.90E+00	2.65E-01	7.78E+00	9.15E-01	1.59E-04	3.18E-02	7.74E-03	9.54E-01	1.11E+00	3.68E+00	2.90E+00	2.65E-01	7.96E+00
5129	488363.09	3864377.25	5.9027	4.49003	12.883	2.88495	9.65E-01	3.48E+00	2.50E+00	2.12E-01	7.16E+00	9.51E-01	1.51E-04	2.74E-02	6.21E-03	9.85E-01	1.16E+00	3.48E+00	2.50E+00	2.12E-01	7.35E+00
5130	488863.09	3864377.25	6.47345	4.83485	8.2927	2.51184	1.06E+00	3.75E+00	1.61E+00	1.85E-01	6.60E+00	1.04E+00	1.62E-04	1.76E-02	5.41E-03	1.07E+00	1.27E+00	3.75E+00	1.61E+00	1.85E-01	6.81E+00
5131	489363.09	3864377.25	6.4941	4.95116	8.72	2.35307	1.06E+00	3.84E+00	1.69E+00	1.73E-01	6.77E+00	1.05E+00	1.66E-04	1.85E-02	5.07E-03	1.07E+00	1.27E+00	3.84E+00	1.69E+00	1.73E-01	6.98E+00
5132	489863.09	3864377.25	6.60081	5.79296	8.5352	2.26109	1.08E+00	4.49E+00	1.66E+00	1.66E-01	7.39E+00	1.06E+00	1.95E-04	1.81E-02	4.87E-03	1.09E+00	1.29E+00	4.49E+00	1.66E+00	1.66E-01	7.61E+00
5133	490363.09	3864377.25	7.41485	7.13473	5.4668	2.81256	1.21E+00	5.53E+00	1.06E+00	2.07E-01	8.01E+00	1.19E+00	2.40E-04	1.16E-02	6.05E-03	1.21E+00	1.45E+00	5.53E+00	1.06E+00	2.07E-01	8.25E+00
5134	490863.09	3864377.25	8.82629	7.38485	6.2399	3.39375	1.44E+00	5.73E+00	1.21E+00	2.50E-01	8.63E+00	1.42E+00	2.48E-04	1.33E-02	7.31E-03	1.44E+00	1.73E+00	5.73E+00	1.21E+00	2.50E-01	8.92E+00
5135	491363.09	3864377.25	7.88178	8.06967	7.4196	4.54494	1.29E+00	6.26E+00	1.44E+00	3.35E-01	9.32E+00	1.27E+00	2.71E-04	1.58E-02	9.78E-03	1.30E+00	1.54E+00	6.26E+00	1.44E+00	3.35E-01	9.58E+00
5136	491863.09	3864377.25	7.11969	1.69596	7.7453	5.55315	1.16E+00	1.32E+00	1.50E+00	4.09E-01	4.39E+00	1.15E+00	5.70E-05	1.65E-02	1.20E-02	1.18E+00	1.39E+00	1.32E+00	1.50E+00	4.09E-01	4.62E+00
5137	492363.09	3864377.25	10.7758	6.68039	10.898	7.71681	1.76E+00	5.18E+00	2.11E+00	5.68E-01	9.63E+00	1.74E+00	2.24E-04	2.32E-02	1.66E-02	1.78E+00	2.11E+00	5.18E+00	2.11E+00	5.68E-01	9.97E+00
5138	492863.09	3864377.25	9.28565	3.1681	21.947	7.02765	1.52E+00	2.46E+00	4.26E+00	5.17E-01	8.75E+00	1.50E+00	1.06E-04	4.67E-02	1.51E-02	1.56E+00	1.82E+00	2.46E+00	4.26E+00	5.17E-01	9.05E+00
5139	493363.09	3864377.25	10.3496	5.71957	29.654	7.18518	1.69E+00	4.44E+00	5.75E+00	5.29E-01	1.24E+01	1.67E+00	1.92E-04	6.30E-02	1.55E-02	1.75E+00	2.03E+00	4.44E+00	5.75E+00	5.29E-01	1.27E+01
5140	493863.09	3864377.25	8.7455	7.93735	13.783	5.30681	1.43E+00	6.16E+00	2.67E+00	3.91E-01	1.07E+01	1.41E+00	2.67E-04	2.93E-02	1.14E-02	1.45E+00	1.71E+00	6.16E+00	2.67E+00	3.91E-01	1.09E+01
5141	494363.09	3864377.25	7.46641	7.90761	13.644	3.52994	1.22E+00	6.13E+00	2.65E+00	2.60E-01	1.03E+01	1.20E+00	2.66E-04	2.90E-02	7.60E-03	1.24E+00	1.46E+00	6.13E+00	2.65E+00	2.60E-01	1.05E+01
5142	494863.09	3864377.25	6.82786	7.62305	17.039	3.52267	1.12E+00	5.91E+00	3.30E+00	2.59E-01	1.06E+01	1.10E+00	2.56E-04	3.62E-02	7.58E-03	1.14E+00	1.34E+00	5.91E+00	3.30E+00	2.59E-01	1.08E+01
5143	495363.09	3864377.25	6.47267	7.09336	17.696	3.90867	1.06E+00	5.50E+00	3.43E+00	2.88E-01	1.03E+01	1.04E+00	2.38E-04	3.76E-02	8.41E-03	1.09E+00	1.27E+00	5.50E+00	3.43E+00	2.88E-01	1.05E+01
5144	495863.09	3864377.25	6.34307	6.75714	13.153	3.88438	1.04E+00	5.24E+00	2.55E+00	2.86E-01	9.12E+00	1.02E+00	2.27E-04	2.80E-02	8.36E-03	1.06E+00	1.24E+00	5.24E+00	2.55E+00	2.86E-01	9.32E+00
5145	496363.09	3864377.25	5.77648	6.37506	8.7122	4.1919	9.45E-01	4.95E+00	1.69E+00	3.09E-01	7.89E+00	9.31E-01	2.14E-04	1.85E-02	9.02E-03	9.59E-01	1.13E+00	4.95E+00	1.69E+00	3.09E-01	8.07E+00
5146	496863.09	3864377.25	5.80509	5.95247	8.4473	4.3215	9.49E-01	4.62E+00	1.64E+00	3.18E-01	7.52E+00	9.35E-01	2.00E-04	1.80E-02	9.30E-03	9.63E-01	1.14E+00	4.62E+00	1.64E+00	3.18E-01	7.71E+00
5147	497363.09	3864377.25	5.35926	5.48753	8.8332	3.94512	8.77E-01	4.26E+00	1.71E+00	2.90E-01	7.14E+00	8.64E-01	1.84E-04	1.88E-02	8.49E-03	8.91E-01	1.05E+00	4.26E+00	1.71E+00	2.90E-01	7.31E+00
5148	497863.09	3864377.25	5.30073	5.38411	9.0579	3.78529	8.67E-01	4.18E+00	1.76E+00	2.79E-01	7.08E+00	8.54E-01	1.81E-04	1.93E-02	8.15E-03	8.82E-01	1.04E+00	4.18E+00	1.76E+00	2.79E-01	7.25E+00
5149	498363.09	3864377.25	5.00496	5.07696	10.295	3.22064	8.19E-01	3.94E+00	2.00E+00	2.37E-01	6.99E+00	8.06E-01	1.71E-04	2.19E-02	6.93E-03	8.35E-01	9.79E-01	3.94E+00	2.00E+00	2.37E-01	7.15E+00
5150	471363.09	3864877.25	2.41415	1.76746	7.9538	1.82896	3.95E-01	1.37E+00	1.54E+00	1.35E-01	3.44E+00	3.89E-01	5.94E-05	1.69E-02	3.94E-03	4.10E-01	4.72E-01	1.37E+00	1.54E+00	1.35E-01	3.52E+00
5151	471863.09	3864877.25	2.56269	1.7857	7.3509	1.77917	4.19E-01	1.39E+00	1.43E+00	1.31E-01	3.36E+00	4.13E-01	6.00E-05	1.56E-02	3.83E-03	4.32E-01	5.01E-01	1.39E+00	1.43E+00	1.31E-01	3.44E+00
5152	472363.09	3864877.25	2.63819	1.78581	7.9247	1.79246	4.32E-01	1.39E+00	1.54E+00	1.32E-01	3.49E+00	4.25E-01	6.00E-05	1.68E-02	3.86E-03	4.46E-01	5.16E-01	1.39E+00	1.54E+00	1.32E-01	3.57E+00
5153	472863.09	3864877.25	2.67643	1.77071	8.7487	2.00101	4.38E-01	1.37E+00	1.70E+00	1.47E-01	3.66E+00	4.31E-01	5.95E-05	1.86E-02	4.31E-03	4.54E-01	5.24E-01	1.37E+00	1.70E+00	1.47E-01	3.74E+00
5154	473363.09	3864877.25	2.69768	1.77281	9.7231	2.20344	4.41E-01	1.38E+00	1.89E+00	1.62E-01	3.86E+00	4.35E-01	5.96E-05	2.07E-02	4.74E-03	4.60E-01	5.28E-01	1.38E+00	1.89E+00	1.62E-01	3.95E+00
5155	473863.09	3864877.25	2.6953	1.83171	10.209	2.30155	4.41E-01	1.42E+00	1.98E+00	1.69E-01	4.01E+00	4.34E-01	6.15E-05	2.17E-02	4.95E-03	4.61E-01	5.27E-01	1.42E+00	1.98E+00	1.69E-01	4.10E+00
5156	474363.09	3864877.25	2.68659	1.86801	10.353	2.27385	4.39E-01	1.45E+00	2.01E+00	1.67E-01	4.06E+00	4.33E-01	6.27E-05	2.20E-02	4.90E-03	4.60E-01	5.26E-01	1.45E+00	2.01E+00	1.67E-01	4.15E+00
5157	474863.09	3864877.25	2.74835	1.88839	10.006	2.19829	4.50E-01	1.46E+00	1.94E+00	1.62E-01	4.02E+00	4.43E-01	6.34E-05	2.13E-02	4.73E-03	4.69E-01	5.38E-01	1.46E+00	1.94E+00	1.62E-01	4.10E+00
5158	475363.09	3864877.25	2.77993	1.89768	9.8067	2.1531	4.55E-01	1.47E+00	1.90E+00	1.59E-01	3.99E+00	4.48E-01	6.37E-05	2.09E-02	4.64E-03	4.73E-01	5.44E-01	1.47E+00	1.90E+00	1.59E-01	4.08E+00
5159	475863.09	3864877.25	2.95439	1.91641	9.0037	2.08657	4.83E-01	1.49E+00	1.75E+00	1.54E-01	3.87E+00	4.76E-01	6.44E-05	1.91E-02	4.49E-03	5.00E-01	5.78E-01	1.49E+00	1.75E+00	1.54E-01	3.96E+00
5160	476363.09	3864877.25	3.2027	1.94801	9.2639	2.01985	5.24E-01	1.51E+00	1.80E+00	1.49E-01	3.98E+00	5.16E-01	6.54E-05	1.97E-02	4.35E-03	5.40E-01	6.27E-01	1.51E+00	1.80E+00	1.49E-01	4.08E+00
5161	476863.09	3864877.25	3.32323	1.98812	10.472	2.04335	5.44E-01	1.54E+00	2.03E+00	1.50E-01	4.27E+00	5.35E-01	6.68E-05	2.23E-02	4.40E-03	5.62E-01	6.50E-01	1.54E+00	2.03E+00	1.50E-01	4.37E+00
5162	477363.09	3864877.25	3.33591	2.02065	11.036	2.07199	5.46E-01	1.57E+00	2.14E+00	1.53E-01	4.41E+00	5.38E-01	6.79E-05	2.35E-02	4.46E-03	5.66E-01	6.53E-01	1.57E+00	2.14E+00	1.53E-01	4.51E+00
5163	477863.09	3864877.25	3.29929	2.00525	10.93	2.01071	5.40E-01	1.56E+00	2.12E+00	1.48E-01	4.36E+00	5.32E-01	6.74E-05	2.32E-02	4.33E-03	5.59E-01	6.46E-01	1.56E+00	2.12E+00	1.48E-01	4.47E+00
5164	478363.09	3864877.25	3.18632	1.98599	10.19	2.23035	5.21E-01	1.54E+00	1.98E+00	1.64E-01	4.20E+00	5.13E-01	6.67E-05	2.17E-02	4.80E-03	5.40E-01	6.23E-01	1.54E+00	1.98E+00	1.64E-01	4.30E+00
5165	478863.09	3864877.25	3.26522	1.97539	12.163	2.45515	5.34E-01	1.53E+00	2.36E+00	1.81E-01	4.61E+00	5.26E-01	6.64E-05	2.59E-02	5.29E-03	5.57E-01	6.39E-01	1.53E+00	2.36E+00	1.81E-01	4.71E+00
5166	479363.09	3864877.25	3.3266	1.94298	13.872	2.52457	5.44E-01	1.51E+00	2.69E+00	1.86E-01	4.93E+00	5.36E-01	6.53E-05	2.95E-02	5.43E-03	5.71E-01	6.51E-01	1.51E+00	2.69E+00	1.86E-01	5.03E+00
5167	479863.09	3864877.25	3.2872	1.98597	14.648	2.33104	5.38E-01	1.54E+00	2.84E+00	1.72E-01	5.09E+00	5.30E-01	6.67E-05	3.11E-02	5.02E-03	5.66E-01	6.43E-01	1.54E+00	2.84E+00	1.72E-01	5.20E+00
5168	480363.09	3864877.25	3.38006	2.15434	13.129	2.29926	5.53E-01	1.67E+00	2.55E+00	1.69E-01	4.94E+00	5.45E-01	7.24E-05	2.79E-02	4.95E-03	5.78E-01	6.61E-01	1.67E+00	2.55E+00	1.69E-01	5.05E+00
5169	480863.09	3864877.25	3.38332	2.21814	11.412	2.12778	5.53E-01	1.72E+00	2.21E+00	1.57E-01	4.64E+00	5.45E-01	7.45E-05	2.43E-02	4.58E-03	5.74E-01	6.62E-01	1.72E+00	2.21E+00	1.57E-01	4.75E+00
5170	481363.09	3864877.25	3.49004	2.25669	10.139	2.31333	5.71E-01	1.75E+00	1.97E+00	1.70E-01	4.46E+00	5.62E-01	7.58E-05	2.16E-02	4.98E-03	5.89E-01	6.83E-01	1.75E+00	1.97E+00	1.70E-01	4.57E+00
5171	481863.09	3864877.25	3.53695	2.29829	10.418	2.61952	5.79E-01	1.78E+00	2.02E+00	1.93E-01	4.57E+00	5.70E-01	7.72E-05	2.22E-02	5.64E-03	5.98E-01	6.92E-01	1.78E+00	2.02E+00	1.93E-01	4.69E+00
5172	482363.09	3864877.25	3.51444	2.73938	9.4854	2.87785	5.75E-01	2.12E+00	1.84E+00	2.12E-01	4.75E+00	5.66E-01	9.20E-05	2.02E-02	6.20E-03	5.93E-01	6.88E-01	2.13E+00	1.84E+00	2.12E-01	4.86E+00
5173	482863.09	3864877.25	3.57894	3.20637	7.1105	2.73557	5.85E-01	2.49E+00	1.38E+00	2.01E-01	4.65E+00	5.77E-01	1.08E-04	1.51E-02	5.89E-03	5.98E-01	7.00E-01	2.49E+00	1.38E+00	2.01E-01	4.77E+00
5174	483363.09	3864877.25	3.78927	3.04607	7.9377	2.70713	6.20E-01	2.36E+00	1.54E+00	1.99E-01	4.72E+00	6.11E-01	1.02E-04	1.69E-02	5.83E-03	6.33E-01	7.41E-01	2.36E+00	1.54E+00	1.99E-01	4.84E+00
5175	483863.09	3864877.25	4.56174	2.86678	16.114	2.42059	7.46E-01	2.22E+00	3.12E+00	1.78E-01	6.27E+00	7.35E-01	9.63E-05	3.43E-02	5.21E-03	7.75E-01	8.93E-01	2.22E+00	3.12E+00	1.78E-01	6.42E+00
5176	484363.09	3864877.25	4.75748	3.19491	17.486	2.32918	7.78E-01	2.48E+00	3.39E+00	1.71E-01	6.82E+00	7.67E-01	1.07E-04	3.72E-02	5.01E-03	8.09E-01	9.31E-01	2.48E+00	3.39E+00	1.71E-01	6.97E+00
5177	484863.09	3864877.25	4.86966	3.22631	10.301	1.78208	7.96E-01	2.50E+00	2.00E+00	1.31E-01	5.43E+00	7.85E-01	1.08E-04	2.19E-02	3.84E-03	8.11E-01	9.53E-01	2.50E+00	2.00E+00	1.31E-01	5.58E+00
5178	485363.09	3864877.25	5.10943	3.54384	6.2719	2.4657	8.36E-01	2.75E+00	1.22E+00	1.82E-01	4.98E+00	8.23E-01	1.19E-04	1.33E-02	5.31E-03	8.42E-01	1.00E+00	2.75E+00	1.22E+00	1.82E-01	5.15E+00
5179	485863.09	3864877.25	4.89052	4.10962	8.4265	2.10982	8.00E-01	3.19E+00	1.63E+00	1.55E-01	5.78E+00	7.88E-01	1.38E-04	1.79E-02	4.54E-03	8.11E-01	9.57E-01	3.19E+00	1.63E+00	1.55E-01	5.93E+00
5180	486363.09	3864877.25	4.64734	3.81895	8.2245	2.18943	7.60E-01	2.96E+00	1.59E+00	1.61E-01	5.48E+00	7.49E-01	1.28E-04	1.75E-02	4.71E-03	7.71E-01	9.09E-01	2.96E+00	1.59E+00	1.61E-01	5.63E+00
5181	486863.09	3864877.25	5.1304	3.92899	11.382	2.46305	8.39E-01	3.05E+00	2.21E+00	1.81E-01	6.28E+00	8.27E-01	1.32E-04	2.42E-02	5.30E-03	8.56E-01	1.00E+00	3.05E+00	2.21E+00	1.81E-01	6.44E+00

5182	487363.09	3864877.25	5.21876	4.32972	16.99	2.81185	8.54E-01	3.36E+00	3.29E+00	2.07E-01	7.71E+00	8.41E-01	1.45E-04	3.61E-02	6.05E-03	8.83E-01	1.02E+00	3.36E+00	3.29E+00	2.07E-01	7.88E+00
5183	487863.09	3864877.25	5.31199	4.29226	14.051	3.36242	8.69E-01	3.33E+00	2.72E+00	2.48E-01	7.17E+00	8.56E-01	1.44E-04	2.99E-02	7.24E-03	8.93E-01	1.04E+00	3.33E+00	2.72E+00	2.48E-01	7.34E+00
5184	488363.09	3864877.25	5.58783	4.08735	12.499	2.76697	9.14E-01	3.17E+00	2.42E+00	2.04E-01	6.71E+00	9.00E-01	1.37E-04	2.66E-02	5.96E-03	9.33E-01	1.09E+00	3.17E+00	2.42E+00	2.04E-01	6.89E+00
5185	488863.09	3864877.25	5.89962	4.37983	7.8953	2.38742	9.65E-01	3.40E+00	1.53E+00	1.76E-01	6.07E+00	9.51E-01	1.47E-04	1.68E-02	5.14E-03	9.73E-01	1.15E+00	3.40E+00	1.53E+00	1.76E-01	6.26E+00
5186	489363.09	3864877.25	6.04993	4.36723	7.793	2.27705	9.90E-01	3.39E+00	1.51E+00	1.68E-01	6.06E+00	9.75E-01	1.47E-04	1.66E-02	4.90E-03	9.96E-01	1.18E+00	3.39E+00	1.51E+00	1.68E-01	6.25E+00
5187	489863.09	3864877.25	6.44205	5.02351	9.1845	2.04487	1.05E+00	3.90E+00	1.78E+00	1.51E-01	6.88E+00	1.04E+00	1.69E-04	1.95E-02	4.40E-03	1.06E+00	1.26E+00	3.90E+00	1.78E+00	1.51E-01	7.09E+00
5188	490363.09	3864877.25	6.07984	5.9866	5.5335	2.40522	9.94E-01	4.64E+00	1.07E+00	1.77E-01	6.89E+00	9.80E-01	2.01E-04	1.18E-02	5.18E-03	9.97E-01	1.19E+00	4.64E+00	1.07E+00	1.77E-01	7.08E+00
5189	490863.09	3864877.25	8.51743	6.40267	5.7224	2.94302	1.39E+00	4.97E+00	1.11E+00	2.17E-01	7.69E+00	1.37E+00	2.15E-04	1.22E-02	6.34E-03	1.39E+00	1.67E+00	4.97E+00	1.11E+00	2.17E-01	7.96E+00
5190	491363.09	3864877.25	8.41892	7.07094	6.5616	3.65403	1.38E+00	5.48E+00	1.27E+00	2.69E-01	8.40E+00	1.36E+00	2.38E-04	1.40E-02	7.87E-03	1.38E+00	1.65E+00	5.49E+00	1.27E+00	2.69E-01	8.67E+00
5191	491863.09	3864877.25	7.36114	6.41337	6.8283	5.10419	1.20E+00	4.97E+00	1.32E+00	3.76E-01	7.88E+00	1.19E+00	2.15E-04	1.45E-02	1.10E-02	1.21E+00	1.44E+00	4.98E+00	1.32E+00	3.76E-01	8.12E+00
5192	492363.09	3864877.25	3.48296	1.4595	7.569	3.69111	5.70E-01	1.13E+00	1.47E+00	2.72E-01	3.44E+00	5.61E-01	4.90E-05	1.61E-02	7.95E-03	5.85E-01	6.82E-01	1.13E+00	1.47E+00	2.72E-01	3.55E+00
5193	492863.09	3864877.25	6.7219	1.96515	11.255	4.44171	1.10E+00	1.52E+00	2.18E+00	3.27E-01	5.13E+00	1.08E+00	6.60E-05	2.39E-02	9.56E-03	1.12E+00	1.32E+00	1.52E+00	2.18E+00	3.27E-01	5.35E+00
5194	493363.09	3864877.25	5.55248	2.14946	14.622	5.32236	9.08E-01	1.67E+00	2.84E+00	3.92E-01	5.80E+00	8.95E-01	7.22E-05	3.11E-02	1.15E-02	9.37E-01	1.09E+00	1.67E+00	2.84E+00	3.92E-01	5.98E+00
5195	493863.09	3864877.25	9.35275	5.88695	24.506	6.78207	1.53E+00	4.57E+00	4.75E+00	4.99E-01	1.13E+01	1.51E+00	1.98E-04	5.21E-02	1.46E-02	1.57E+00	1.83E+00	4.57E+00	4.75E+00	4.99E-01	1.16E+01
5196	494363.09	3864877.25	7.46962	8.00113	12.794	5.34923	1.22E+00	6.21E+00	2.48E+00	3.94E-01	1.03E+01	1.20E+00	2.69E-04	2.72E-02	1.15E-02	1.24E+00	1.46E+00	6.21E+00	2.48E+00	3.94E-01	1.05E+01
5197	494863.09	3864877.25	6.90059	7.40763	12.737	3.5513	1.13E+00	5.75E+00	2.47E+00	2.61E-01	9.61E+00	1.11E+00	2.49E-04	2.71E-02	7.65E-03	1.15E+00	1.35E+00	5.75E+00	2.47E+00	2.61E-01	9.83E+00
5198	495363.09	3864877.25	6.42083	7.38063	15.849	3.11133	1.05E+00	5.73E+00	3.07E+00	2.29E-01	1.01E+01	1.03E+00	2.48E-04	3.37E-02	6.70E-03	1.08E+00	1.26E+00	5.73E+00	3.07E+00	2.29E-01	1.03E+01
5199	495863.09	3864877.25	5.85954	6.57718	17.291	3.54503	9.58E-01	5.10E+00	3.35E+00	2.61E-01	9.67E+00	9.44E-01	2.21E-04	3.68E-02	7.63E-03	9.89E-01	1.15E+00	5.10E+00	3.35E+00	2.61E-01	9.86E+00
5200	496363.09	3864877.25	5.99156	6.43278	13.352	3.81155	9.80E-01	4.99E+00	2.59E+00	2.81E-01	8.84E+00	9.65E-01	2.16E-04	2.84E-02	8.21E-03	1.00E+00	1.17E+00	4.99E+00	2.59E+00	2.81E-01	9.03E+00
5201	496863.09	3864877.25	5.35703	6.22894	8.7472	3.95851	8.76E-01	4.83E+00	1.70E+00	2.91E-01	7.70E+00	8.63E-01	2.09E-04	1.86E-02	8.52E-03	8.91E-01	1.05E+00	4.83E+00	1.70E+00	2.91E-01	7.87E+00
5202	497363.09	3864877.25	5.25519	5.732	7.7526	4.27605	8.60E-01	4.45E+00	1.50E+00	3.15E-01	7.12E+00	8.47E-01	1.93E-04	1.65E-02	9.21E-03	8.73E-01	1.03E+00	4.45E+00	1.50E+00	3.15E-01	7.29E+00
5203	497863.09	3864877.25	5.1806	5.56602	8.6368	4.26314	8.47E-01	4.32E+00	1.67E+00	3.14E-01	7.15E+00	8.35E-01	1.87E-04	1.84E-02	9.18E-03	8.62E-01	1.01E+00	4.32E+00	1.67E+00	3.14E-01	7.32E+00
5204	498363.09	3864877.25	4.75701	5.01206	8.7313	3.92559	7.78E-01	3.89E+00	1.69E+00	2.89E-01	6.65E+00	7.67E-01	1.68E-04	1.86E-02	8.45E-03	7.94E-01	9.31E-01	3.89E+00	1.69E+00	2.89E-01	6.80E+00
5205	471363.09	3865377.25	2.51093	1.64246	7.7064	1.77651	4.11E-01	1.27E+00	1.49E+00	1.31E-01	3.31E+00	4.05E-01	5.52E-05	1.64E-02	3.82E-03	4.25E-01	4.91E-01	1.27E+00	1.49E+00	1.31E-01	3.39E+00
5206	471863.09	3865377.25	2.54956	1.63139	8.4402	1.92977	4.17E-01	1.27E+00	1.64E+00	1.42E-01	3.46E+00	4.11E-01	5.48E-05	1.79E-02	4.15E-03	4.33E-01	4.99E-01	1.27E+00	1.64E+00	1.42E-01	3.54E+00
5207	472363.09	3865377.25	2.5899	1.6904	9.2444	2.11151	4.24E-01	1.31E+00	1.79E+00	1.55E-01	3.68E+00	4.17E-01	5.68E-05	1.97E-02	4.55E-03	4.42E-01	5.07E-01	1.31E+00	1.79E+00	1.55E-01	3.77E+00
5208	472863.09	3865377.25	2.62794	1.73683	9.7861	2.23563	4.30E-01	1.35E+00	1.90E+00	1.65E-01	3.84E+00	4.23E-01	5.83E-05	2.08E-02	4.81E-03	4.49E-01	5.14E-01	1.35E+00	1.90E+00	1.65E-01	3.92E+00
5209	473363.09	3865377.25	2.6133	1.75775	9.7832	2.32009	4.27E-01	1.36E+00	1.90E+00	1.71E-01	3.86E+00	4.21E-01	5.90E-05	2.08E-02	4.99E-03	4.47E-01	5.11E-01	1.36E+00	1.90E+00	1.71E-01	3.94E+00
5210	473863.09	3865377.25	2.57245	1.76965	9.3928	2.28398	4.21E-01	1.37E+00	1.82E+00	1.68E-01	3.78E+00	4.15E-01	5.94E-05	2.00E-02	4.92E-03	4.39E-01	5.03E-01	1.37E+00	1.82E+00	1.68E-01	3.87E+00
5211	474363.09	3865377.25	2.63417	1.77635	9.3038	2.12862	4.31E-01	1.38E+00	1.80E+00	1.57E-01	3.77E+00	4.24E-01	5.97E-05	1.98E-02	4.58E-03	4.49E-01	5.15E-01	1.38E+00	1.80E+00	1.57E-01	3.85E+00
5212	474863.09	3865377.25	2.66923	1.79527	8.7542	2.00924	4.37E-01	1.39E+00	1.70E+00	1.48E-01	3.67E+00	4.30E-01	6.03E-05	1.86E-02	4.33E-03	4.53E-01	5.22E-01	1.39E+00	1.70E+00	1.48E-01	3.76E+00
5213	475363.09	3865377.25	2.82413	1.82933	8.3957	1.99077	4.62E-01	1.42E+00	1.63E+00	1.47E-01	3.66E+00	4.55E-01	6.14E-05	1.79E-02	4.29E-03	4.77E-01	5.53E-01	1.42E+00	1.63E+00	1.47E-01	3.75E+00
5214	475863.09	3865377.25	3.06604	1.85989	9.3381	1.97232	5.01E-01	1.44E+00	1.81E+00	1.45E-01	3.90E+00	4.94E-01	6.25E-05	1.99E-02	4.25E-03	5.18E-01	6.00E-01	1.44E+00	1.81E+00	1.45E-01	4.00E+00
5215	476363.09	3865377.25	3.21217	1.88528	10.343	1.97082	5.25E-01	1.46E+00	2.01E+00	1.45E-01	4.14E+00	5.18E-01	6.33E-05	2.20E-02	4.24E-03	5.44E-01	6.29E-01	1.46E+00	2.01E+00	1.45E-01	4.24E+00
5216	476863.09	3865377.25	3.27707	1.64343	11.577	2.04204	5.36E-01	1.27E+00	2.24E+00	1.50E-01	4.21E+00	5.28E-01	5.52E-05	2.46E-02	4.40E-03	5.57E-01	6.41E-01	1.27E+00	2.24E+00	1.50E-01	4.31E+00
5217	477363.09	3865377.25	3.17655	1.88395	10.233	1.97695	5.20E-01	1.46E+00	1.98E+00	1.46E-01	4.11E+00	5.12E-01	6.33E-05	2.18E-02	4.26E-03	5.38E-01	6.22E-01	1.46E+00	1.98E+00	1.46E-01	4.21E+00
5218	477863.09	3865377.25	3.03915	1.82987	10.012	2.15107	4.97E-01	1.42E+00	1.94E+00	1.58E-01	4.02E+00	4.90E-01	6.15E-05	2.13E-02	4.63E-03	5.16E-01	5.95E-01	1.42E+00	1.94E+00	1.58E-01	4.11E+00
5219	478363.09	3865377.25	3.08134	1.79652	12.183	2.30252	5.04E-01	1.39E+00	2.36E+00	1.70E-01	4.43E+00	4.97E-01	6.03E-05	2.59E-02	4.96E-03	5.27E-01	6.03E-01	1.39E+00	2.36E+00	1.70E-01	4.53E+00
5220	478863.09	3865377.25	3.17496	1.80335	13.47	2.45151	5.19E-01	1.40E+00	2.61E+00	1.80E-01	4.71E+00	5.12E-01	6.06E-05	2.86E-02	5.28E-03	5.46E-01	6.21E-01	1.40E+00	2.61E+00	1.80E-01	4.81E+00
5221	479363.09	3865377.25	3.15075	1.89078	13.684	2.3497	5.15E-01	1.47E+00	2.65E+00	1.73E-01	4.81E+00	5.08E-01	6.35E-05	2.91E-02	5.06E-03	5.42E-01	6.17E-01	1.47E+00	2.65E+00	1.73E-01	4.91E+00
5222	479863.09	3865377.25	3.15694	2.02628	11.984	2.24188	5.16E-01	1.57E+00	2.32E+00	1.65E-01	4.58E+00	5.09E-01	6.81E-05	2.55E-02	4.83E-03	5.39E-01	6.18E-01	1.57E+00	2.32E+00	1.65E-01	4.68E+00
5223	480363.09	3865377.25	3.22374	2.08173	10.516	2.20863	5.27E-01	1.61E+00	2.04E+00	1.63E-01	4.34E+00	5.19E-01	6.99E-05	2.24E-02	4.75E-03	5.47E-01	6.31E-01	1.61E+00	2.04E+00	1.63E-01	4.45E+00
5224	480863.09	3865377.25	3.22788	2.07254	9.3128	2.2765	5.28E-01	1.61E+00	1.81E+00	1.68E-01	4.11E+00	5.20E-01	6.96E-05	1.98E-02	4.90E-03	5.45E-01	6.32E-01	1.61E+00	1.81E+00	1.68E-01	4.21E+00
5225	481363.09	3865377.25	3.38018	2.08776	9.6259	2.47844	5.53E-01	1.62E+00	1.87E+00	1.82E-01	4.22E+00	5.45E-01	7.01E-05	2.05E-02	5.34E-03	5.71E-01	6.61E-01	1.62E+00	1.87E+00	1.82E-01	4.33E+00
5226	481863.09	3865377.25	3.38798	2.39656	9.0166	2.5511	5.54E-01	1.86E+00	1.75E+00	1.88E-01	4.35E+00	5.46E-01	8.05E-05	1.92E-02	5.49E-03	5.71E-01	6.63E-01	1.86E+00	1.75E+00	1.88E-01	4.46E+00
5227	482363.09	3865377.25	3.29119	2.91749	7.1504	2.45405	5.38E-01	2.26E+00	1.39E+00	1.81E-01	4.37E+00	5.30E-01	9.80E-05	1.52E-02	5.28E-03	5.51E-01	6.44E-01	2.26E+00	1.39E+00	1.81E-01	4.47E+00
5228	482863.09	3865377.25	3.42387	2.92011	6.9445	2.46352	5.60E-01	2.27E+00	1.35E+00	1.81E-01	4.35E+00	5.52E-01	9.81E-05	1.48E-02	5.30E-03	5.72E-01	6.70E-01	2.27E+00	1.35E+00	1.81E-01	4.46E+00
5229	483363.09	3865377.25	3.77748	2.64602	12.738	2.6454	6.18E-01	2.05E+00	2.47E+00	1.95E-01	5.34E+00	6.09E-01	8.89E-05	2.71E-02	5.69E-03	6.42E-01	7.39E-01	2.05E+00	2.47E+00	1.95E-01	5.46E+00
5230	483863.09	3865377.25	4.4486	2.75336	18.674	2.34016	7.28E-01	2.14E+00	3.62E+00	1.72E-01	6.66E+00	7.17E-01	9.25E-05	3.97E-02	5.04E-03	7.62E-01	8.71E-01	2.14E+00	3.62E+00	1.72E-01	6.80E+00
5231	484363.09	3865377.25	4.59866	2.9368	13.123	2.0251	7.52E-01	2.28E+00	2.54E+00	1.49E-01	5.72E+00	7.41E-01	9.87E-05	2.79E-02	4.36E-03	7.73E-01	9.00E-01	2.28E+00	2.54E+00	1.49E-01	5.87E+00
5232	484863.09	3865377.25	4.74572	2.94007	7.372	2.26763	7.76E-01	2.28E+00	1.43E+00	1.67E-01	4.65E+00	7.65E-01	9.88E-05	1.57E-02	4.88E-03	7.85E-01	9.29E-01	2.28E+00	1.43E+00	1.67E-01	4.81E+00
5233	485363.09	3865377.25	4.90939	3.28678	6.4964	2.49449	8.03E-01	2.55E+00	1.26E+00	1.84E-01	4.80E+00	7.91E-01	1.10E-04	1.38E-02	5.37E-03	8.10E-01	9.61E-01	2.55E+00	1.26E+00	1.84E-01	4.95E+00
5234	485863.09	3865377.25	4.59786	3.74563	8.3411	2.10809	7.52E-01	2.91E+00	1.62E+00	1.55E-01	5.43E+00	7.41E-01	1.26E-04	1.77E-02	4.54E-03	7.63E-01	9.00E-01	2.91E+00	1.62E+00	1.55E-01	5.58E+00
5235	486363.09	3865377.25	4.43392	3.61762	7.8392	2.37653	7.25E-01	2.81E+00	1.52E+00	1.75E-01	5.23E+00	7.14E-01	1.22E-04	1.67E-02	5.12E-03	7.36E-01	8.68E-01	2.81E+00	1.52E+00	1.75E-01	5.37E+00
5236	486863.09	3865377.25	4.8318	3.7149	11.901	2.37756	7.90E-01	2.88E+00	2.31E+00	1.75E-01	6.15E+00	7.79E-01	1.25E-04	2.53E-02	5.12E-03	8.09E-01	9.45E-01	2.88E+00	2.31E+00	1.75E-01	6.31E+00
5237	487363.09	3865377.25	5.027	4.10093	16.673	2.79832	8.22E-01	3.18E+00	3.23E+00	2.06E-01	7.44E+00	8.10E-01	1.38E-04	3.54E-02	6.02E-03	8.52E-01	9.84E-01	3.18E+00	3.23E+00	2.06E-01	7.60E+00
5238	487863.09	3865377.25	4.99545	3.94611	13.259	3.16594	8.17E-01	3.06E+00	2.57E+00	2.33E-01	6.68E+00	8.05E-01	1.33E-04	2.82E-02	6.82E-03	8.40E-01	9.78E-01	3.06E+00	2.57E+00	2.33E-01	6.84E+00
5239	488363.09	3865377.25	5.36062	3.76163	12.11	2.64253	8.77E-01	2.92E+00	2.35E+00	1.95E-01	6.34E+00	8.64E-01	1.26E-04	2.57E-02	5.69E-03	8.95E-01	1.05E+00	2.92E+00	2.35E+00	1.95E-01	6.51E+00
5240	488863.09	3865377.25	5.39975	4.02084	7.5537	2.30211	8.83E-01	3.12E+00	1.46E+00	1.69E-01	5.64E+00	8.70E-01	1.35E-04	1.61E-02	4.96E-03	8.91E-01	1.06E+00	3.12E+00	1.46E+00	1.69E-01	5.81E+00
5241	489363.09	3865377.25	5.92336	3.9237	7.2839	2.2245	9.69E-01	3.04E+00	1.41E+00	1.64E-01	5.59E+00	9.54E-01	1.32E-04	1.55E-02	4.79E-03	9.75E-01	1.16E+00	3.04E+00	1.41E+00	1.64E-01	5.78E+00
5242	489863.09	3865377.25	5.99413	4.40624	9.4336	2.09048	9.80E-01	3.42E+00	1.83E+00	1.54E-01	6.38E+00	9.66E-01	1.48E-04	2.01E-02	4.50E-03	9.91E-01	1.17E+00	3.42E+00	1.83E+00	1.54E-01	6.57E+00

5243	490363.09	3865377.25	6.10704	4.71904	7.3578	2.11461	9.99E-01	3.66E+00	1.43E+00	1.56E-01	6.24E+00	9.84E-01	1.59E-04	1.56E-02	4.55E-03	1.00E+00	1.20E+00	3.66E+00	1.43E+00	1.56E-01	6.44E+00
5244	490863.09	3865377.25	6.62665	5.7959	4.8999	2.54909	1.08E+00	4.50E+00	9.50E-01	1.88E-01	6.72E+00	1.07E+00	1.95E-04	1.04E-02	5.49E-03	1.08E+00	1.30E+00	4.50E+00	9.50E-01	1.88E-01	6.93E+00
5245	491363.09	3865377.25	8.31767	5.4328	5.7885	2.98306	1.36E+00	4.21E+00	1.12E+00	2.20E-01	6.92E+00	1.34E+00	1.82E-04	1.23E-02	6.42E-03	1.36E+00	1.63E+00	4.21E+00	1.12E+00	2.20E-01	7.18E+00
5246	491863.09	3865377.25	7.61379	5.79803	6.414	4.14197	1.25E+00	4.50E+00	1.24E+00	3.05E-01	7.29E+00	1.23E+00	1.95E-04	1.36E-02	8.92E-03	1.25E+00	1.49E+00	4.50E+00	1.24E+00	3.05E-01	7.54E+00
5247	492363.09	3865377.25	8.63763	3.37511	6.8269	10.20481	1.41E+00	2.62E+00	1.32E+00	7.51E-01	6.11E+00	1.39E+00	1.13E-04	1.45E-02	2.20E-02	1.43E+00	1.69E+00	2.62E+00	1.32E+00	7.51E-01	6.38E+00
5248	492863.09	3865377.25	7.56143	1.9639	8.9454	5.14689	1.24E+00	1.52E+00	1.73E+00	3.79E-01	4.87E+00	1.22E+00	6.60E-05	1.90E-02	1.11E-02	1.25E+00	1.48E+00	1.52E+00	1.73E+00	3.79E-01	5.12E+00
5249	493363.09	3865377.25	5.68313	1.83985	9.6603	3.9326	9.30E-01	1.43E+00	1.87E+00	2.90E-01	4.52E+00	9.16E-01	6.18E-05	2.05E-02	8.47E-03	9.45E-01	1.11E+00	1.43E+00	1.87E+00	2.90E-01	4.70E+00
5250	493863.09	3865377.25	8.14008	3.585	27.3	6.36502	1.33E+00	2.78E+00	5.29E+00	4.69E-01	9.87E+00	1.31E+00	1.20E-04	5.80E-02	1.37E-02	1.38E+00	1.59E+00	2.78E+00	5.29E+00	4.69E-01	1.01E+01
5251	494363.09	3865377.25	8.41879	5.84293	17.433	6.26908	1.38E+00	4.53E+00	3.38E+00	4.62E-01	9.75E+00	1.36E+00	1.96E-04	3.71E-02	1.35E-02	1.41E+00	1.65E+00	4.53E+00	3.38E+00	4.62E-01	1.00E+01
5252	494863.09	3865377.25	7.29289	7.52163	11.946	5.38936	1.19E+00	5.83E+00	2.32E+00	3.97E-01	9.74E+00	1.18E+00	2.53E-04	2.54E-02	1.16E-02	1.21E+00	1.43E+00	5.83E+00	2.32E+00	3.97E-01	9.98E+00
5253	495363.09	3865377.25	6.40168	6.9245	11.852	3.71927	1.05E+00	5.37E+00	2.30E+00	2.74E-01	8.99E+00	1.03E+00	2.33E-04	2.52E-02	8.01E-03	1.06E+00	1.25E+00	5.37E+00	2.30E+00	2.74E-01	9.20E+00
5254	495863.09	3865377.25	6.03075	7.04683	14.895	2.83358	9.86E-01	5.47E+00	2.89E+00	2.09E-01	9.55E+00	9.72E-01	2.37E-04	3.17E-02	6.10E-03	1.01E+00	1.18E+00	5.47E+00	2.89E+00	2.09E-01	9.74E+00
5255	496363.09	3865377.25	5.37658	6.42478	16.124	3.44561	8.79E-01	4.98E+00	3.13E+00	2.54E-01	9.24E+00	8.66E-01	2.16E-04	3.43E-02	7.42E-03	9.08E-01	1.05E+00	4.98E+00	3.13E+00	2.54E-01	9.42E+00
5256	496863.09	3865377.25	5.64487	6.16198	13.077	3.88324	9.23E-01	4.78E+00	2.54E+00	2.86E-01	8.52E+00	9.10E-01	2.07E-04	2.78E-02	8.36E-03	9.46E-01	1.10E+00	4.78E+00	2.54E+00	2.86E-01	8.71E+00
5257	497363.09	3865377.25	5.10141	5.93597	9.0473	3.6921	8.34E-01	4.60E+00	1.75E+00	2.72E-01	7.47E+00	8.22E-01	1.99E-04	1.92E-02	7.95E-03	8.49E-01	9.98E-01	4.60E+00	1.75E+00	2.72E-01	7.63E+00
5258	497863.09	3865377.25	4.90396	5.59881	7.1118	4.06616	8.02E-01	4.34E+00	1.38E+00	2.99E-01	6.82E+00	7.90E-01	1.88E-04	1.51E-02	8.75E-03	8.14E-01	9.60E-01	4.34E+00	1.38E+00	2.99E-01	6.98E+00
5259	498363.09	3865377.25	4.99572	5.40016	8.2034	4.2064	8.17E-01	4.19E+00	1.59E+00	3.10E-01	6.91E+00	8.05E-01	1.81E-04	1.74E-02	9.06E-03	8.32E-01	9.78E-01	4.19E+00	1.59E+00	3.10E-01	7.07E+00
5260	471363.09	3865877.25	2.48537	1.61399	8.8349	2.00485	4.07E-01	1.25E+00	1.71E+00	1.48E-01	3.52E+00	4.00E-01	5.42E-05	1.88E-02	4.32E-03	4.24E-01	4.86E-01	1.25E+00	1.71E+00	1.48E-01	3.60E+00
5261	471863.09	3865877.25	2.51726	1.64733	9.3013	2.15948	4.12E-01	1.28E+00	1.80E+00	1.59E-01	3.65E+00	4.06E-01	5.53E-05	1.98E-02	4.65E-03	4.30E-01	4.93E-01	1.28E+00	1.80E+00	1.59E-01	3.73E+00
5262	472363.09	3865877.25	2.54731	1.66147	9.4334	2.22259	4.17E-01	1.29E+00	1.83E+00	1.64E-01	3.70E+00	4.10E-01	5.58E-05	2.01E-02	4.78E-03	4.35E-01	4.98E-01	1.29E+00	1.83E+00	1.64E-01	3.78E+00
5263	472863.09	3865877.25	2.52959	1.6658	9.1013	2.27091	4.14E-01	1.29E+00	1.76E+00	1.67E-01	3.64E+00	4.08E-01	5.60E-05	1.94E-02	4.89E-03	4.32E-01	4.95E-01	1.29E+00	1.76E+00	1.67E-01	3.72E+00
5264	473363.09	3865877.25	2.47233	1.64996	8.9355	2.16166	4.04E-01	1.28E+00	1.73E+00	1.59E-01	3.58E+00	3.98E-01	5.54E-05	1.90E-02	4.65E-03	4.22E-01	4.84E-01	1.28E+00	1.73E+00	1.59E-01	3.66E+00
5265	473863.09	3865877.25	2.52856	1.68729	8.4911	2.00832	4.14E-01	1.31E+00	1.65E+00	1.48E-01	3.52E+00	4.07E-01	5.67E-05	1.81E-02	4.32E-03	4.30E-01	4.95E-01	1.31E+00	1.65E+00	1.48E-01	3.60E+00
5266	474363.09	3865877.25	2.5517	1.72868	7.8305	1.96591	4.17E-01	1.34E+00	1.52E+00	1.45E-01	3.42E+00	4.11E-01	5.81E-05	1.66E-02	4.23E-03	4.32E-01	4.99E-01	1.34E+00	1.52E+00	1.45E-01	3.50E+00
5267	474863.09	3865877.25	2.73633	1.75505	8.7177	1.90633	4.48E-01	1.36E+00	1.69E+00	1.40E-01	3.64E+00	4.41E-01	5.90E-05	1.85E-02	4.10E-03	4.64E-01	5.35E-01	1.36E+00	1.69E+00	1.40E-01	3.73E+00
5268	475363.09	3865877.25	2.94862	1.76359	9.314	1.90502	4.82E-01	1.37E+00	1.81E+00	1.40E-01	3.80E+00	4.75E-01	5.92E-05	1.98E-02	4.10E-03	4.99E-01	5.77E-01	1.37E+00	1.81E+00	1.40E-01	3.89E+00
5269	475863.09	3865877.25	3.05357	1.74715	9.7778	2.01806	4.99E-01	1.36E+00	1.90E+00	1.49E-01	3.90E+00	4.92E-01	5.87E-05	2.08E-02	4.34E-03	5.17E-01	5.98E-01	1.36E+00	1.90E+00	1.49E-01	4.00E+00
5270	476363.09	3865877.25	3.09841	1.72488	10.114	1.99249	5.07E-01	1.34E+00	1.96E+00	1.47E-01	3.95E+00	4.99E-01	5.79E-05	2.15E-02	4.29E-03	5.25E-01	6.06E-01	1.34E+00	1.96E+00	1.47E-01	4.05E+00
5271	476863.09	3865877.25	3.1432	1.56591	10.87	1.99744	5.14E-01	1.21E+00	2.11E+00	1.47E-01	3.98E+00	5.06E-01	5.26E-05	2.31E-02	4.30E-03	5.34E-01	6.15E-01	1.21E+00	2.11E+00	1.47E-01	4.08E+00
5272	477363.09	3865877.25	2.94399	1.73737	10.576	1.95265	4.82E-01	1.35E+00	2.05E+00	1.44E-01	4.02E+00	4.74E-01	5.84E-05	2.25E-02	4.20E-03	5.01E-01	5.76E-01	1.35E+00	2.05E+00	1.44E-01	4.12E+00
5273	477863.09	3865877.25	2.9311	1.6705	12.142	2.13685	4.79E-01	1.30E+00	2.35E+00	1.57E-01	4.29E+00	4.72E-01	5.61E-05	2.58E-02	4.60E-03	5.03E-01	5.74E-01	1.30E+00	2.35E+00	1.57E-01	4.38E+00
5274	478363.09	3865877.25	3.03709	1.72891	13.183	2.34501	4.97E-01	1.34E+00	2.56E+00	1.73E-01	4.57E+00	4.89E-01	5.81E-05	2.80E-02	5.05E-03	5.23E-01	5.94E-01	1.34E+00	2.56E+00	1.73E-01	4.66E+00
5275	478863.09	3865877.25	3.0368	1.82106	12.889	2.4425	4.97E-01	1.41E+00	2.50E+00	1.80E-01	4.59E+00	4.89E-01	6.12E-05	2.74E-02	5.26E-03	5.22E-01	5.94E-01	1.41E+00	2.50E+00	1.80E-01	4.69E+00
5276	479363.09	3865877.25	2.98195	1.9179	11.004	2.20755	4.88E-01	1.49E+00	2.13E+00	1.63E-01	4.27E+00	4.80E-01	6.44E-05	2.34E-02	4.75E-03	5.09E-01	5.84E-01	1.49E+00	2.13E+00	1.63E-01	4.37E+00
5277	479863.09	3865877.25	3.07452	1.95529	9.7634	2.25963	5.03E-01	1.52E+00	1.89E+00	1.66E-01	4.08E+00	4.95E-01	6.57E-05	2.08E-02	4.86E-03	5.21E-01	6.02E-01	1.52E+00	1.89E+00	1.66E-01	4.18E+00
5278	480363.09	3865877.25	3.05297	1.89973	8.6555	2.27972	4.99E-01	1.47E+00	1.68E+00	1.68E-01	3.82E+00	4.92E-01	6.38E-05	1.84E-02	4.91E-03	5.15E-01	5.97E-01	1.47E+00	1.68E+00	1.68E-01	3.92E+00
5279	480863.09	3865877.25	3.19048	1.98627	8.9396	2.40007	5.22E-01	1.54E+00	1.73E+00	1.77E-01	3.97E+00	5.14E-01	6.67E-05	1.90E-02	5.17E-03	5.38E-01	6.24E-01	1.54E+00	1.73E+00	1.77E-01	4.08E+00
5280	481363.09	3865877.25	3.25261	2.26254	8.5824	2.2625	5.32E-01	1.76E+00	1.66E+00	1.67E-01	4.12E+00	5.24E-01	7.60E-05	1.82E-02	4.87E-03	5.47E-01	6.36E-01	1.76E+00	1.66E+00	1.67E-01	4.22E+00
5281	481863.09	3865877.25	3.20661	2.56416	7.1602	2.16051	5.24E-01	1.99E+00	1.39E+00	1.59E-01	4.06E+00	5.17E-01	8.61E-05	1.52E-02	4.65E-03	5.37E-01	6.27E-01	1.99E+00	1.39E+00	1.59E-01	4.16E+00
5282	482363.09	3865877.25	3.15472	2.6804	6.3354	2.14527	5.16E-01	2.08E+00	1.23E+00	1.58E-01	3.98E+00	5.08E-01	9.00E-05	1.35E-02	4.62E-03	5.27E-01	6.17E-01	2.08E+00	1.23E+00	1.58E-01	4.08E+00
5283	482863.09	3865877.25	3.32716	2.56833	9.4501	2.45093	5.44E-01	1.99E+00	1.83E+00	1.80E-01	4.55E+00	5.36E-01	8.63E-05	2.01E-02	5.28E-03	5.62E-01	6.51E-01	1.99E+00	1.83E+00	1.80E-01	4.66E+00
5284	483363.09	3865877.25	3.75986	2.62286	17.123	2.60382	6.15E-01	2.03E+00	3.32E+00	1.92E-01	6.16E+00	6.06E-01	8.81E-05	3.64E-02	5.61E-03	6.48E-01	7.36E-01	2.03E+00	3.32E+00	1.92E-01	6.28E+00
5285	483863.09	3865877.25	4.3616	2.74692	16.643	2.18729	7.13E-01	2.13E+00	3.23E+00	1.61E-01	6.23E+00	7.03E-01	9.23E-05	3.54E-02	4.71E-03	7.43E-01	8.53E-01	2.13E+00	3.23E+00	1.61E-01	6.37E+00
5286	484363.09	3865877.25	4.45545	2.66264	10.13	1.93613	7.29E-01	2.07E+00	1.96E+00	1.43E-01	4.90E+00	7.18E-01	8.94E-05	2.15E-02	4.17E-03	7.44E-01	8.72E-01	2.07E+00	1.96E+00	1.43E-01	5.04E+00
5287	484863.09	3865877.25	4.62229	2.99126	6.2518	2.79906	7.56E-01	2.32E+00	1.21E+00	2.06E-01	4.49E+00	7.45E-01	1.00E-04	1.33E-02	6.03E-03	7.64E-01	9.04E-01	2.32E+00	1.21E+00	2.06E-01	4.64E+00
5288	485363.09	3865877.25	4.70908	3.27468	7.4717	2.12637	7.70E-01	2.54E+00	1.45E+00	1.57E-01	4.92E+00	7.59E-01	1.10E-04	1.59E-02	4.58E-03	7.79E-01	9.21E-01	2.54E+00	1.45E+00	1.57E-01	5.07E+00
5289	485863.09	3865877.25	4.32287	3.41077	7.8356	1.90233	7.07E-01	2.65E+00	1.52E+00	1.40E-01	5.01E+00	6.97E-01	1.15E-04	1.67E-02	4.10E-03	7.17E-01	8.46E-01	2.65E+00	1.52E+00	1.40E-01	5.15E+00
5290	486363.09	3865877.25	4.22549	3.4067	7.6006	2.50377	6.91E-01	2.64E+00	1.47E+00	1.84E-01	4.99E+00	6.81E-01	1.14E-04	1.62E-02	5.39E-03	7.03E-01	8.27E-01	2.64E+00	1.47E+00	1.84E-01	5.13E+00
5291	486863.09	3865877.25	4.52985	3.52625	12.33	2.3559	7.41E-01	2.74E+00	2.39E+00	1.73E-01	6.04E+00	7.30E-01	1.18E-04	2.62E-02	5.07E-03	7.61E-01	8.86E-01	2.74E+00	2.39E+00	1.73E-01	6.19E+00
5292	487363.09	3865877.25	4.8511	3.88405	16.244	2.75712	7.93E-01	3.01E+00	3.15E+00	2.03E-01	7.16E+00	7.82E-01	1.30E-04	3.45E-02	5.94E-03	8.22E-01	9.49E-01	3.01E+00	3.15E+00	2.03E-01	7.32E+00
5293	487863.09	3865877.25	4.76056	3.65047	12.565	3.01148	7.79E-01	2.83E+00	2.44E+00	2.22E-01	6.27E+00	7.67E-01	1.23E-04	2.67E-02	6.48E-03	8.00E-01	9.32E-01	2.83E+00	2.44E+00	2.22E-01	6.42E+00
5294	488363.09	3865877.25	5.05911	3.48436	11.668	2.50865	8.27E-01	2.70E+00	2.26E+00	1.85E-01	5.98E+00	8.15E-01	1.17E-04	2.48E-02	5.40E-03	8.46E-01	9.90E-01	2.70E+00	2.26E+00	1.85E-01	6.14E+00
5295	488863.09	3865877.25	5.11134	3.68905	7.3853	2.23007	8.36E-01	2.86E+00	1.43E+00	1.64E-01	5.29E+00	8.24E-01	1.24E-04	1.57E-02	4.80E-03	8.44E-01	1.00E+00	2.86E+00	1.43E+00	1.64E-01	5.46E+00
5296	489363.09	3865877.25	5.54785	3.55526	6.8554	2.17859	9.07E-01	2.76E+00	1.33E+00	1.60E-01	5.15E+00	8.94E-01	1.19E-04	1.46E-02	4.69E-03	9.13E-01	1.09E+00	2.76E+00	1.33E+00	1.60E-01	5.33E+00
5297	489863.09	3865877.25	5.50164	3.95279	9.2414	2.27751	9.00E-01	3.07E+00	1.79E+00	1.68E-01	5.93E+00	8.86E-01	1.33E-04	1.96E-02	4.90E-03	9.11E-01	1.08E+00	3.07E+00	1.79E+00	1.68E-01	6.10E+00
5298	490363.09	3865877.25	5.94687	4.48048	8.8601	1.97203	9.73E-01	3.48E+00	1.72E+00	1.45E-01	6.31E+00	9.58E-01	1.51E-04	1.88E-02	4.25E-03	9.81E-01	1.16E+00	3.48E+00	1.72E+00	1.45E-01	6.50E+00
5299	490863.09	3865877.25	5.62768	4.93355	4.4641	2.19824	9.20E-01	3.83E+00	8.66E-01	1.62E-01	5.77E+00	9.07E-01	1.66E-04	9.49E-03	4.73E-03	9.21E-01	1.10E+00	3.83E+00	8.66E-01	1.62E-01	5.96E+00
5300	491363.09	3865877.25	7.75708	5.09163	4.9985	2.69146	1.27E+00	3.95E+00	9.69E-01	1.98E-01	6.39E+00	1.25E+00	1.71E-04	1.06E-02	5.79E-03	1.27E+00	1.52E+00	3.95E+00	9.69E-01	1.98E-01	6.64E+00
5301	491863.09	3865877.25	8.82674	4.64267	5.706	3.34123	1.44E+00	3.60E+00	1.11E+00	2.46E-01	6.40E+00	1.42E+00	1.56E-04	1.21E-02	7.19E-03	1.44E+00	1.73E+00	3.60E+00	1.11E+00	2.46E-01	6.68E+00
5302	492363.09	3865877.25	7.58916	4.32943	5.9574	5.2338	1.24E+00	3.36E+00	1.16E+00	3.85E-01	6.14E+00	1.22E+00	1.45E-04	1.27E-02	1.13E-02	1.25E+00	1.49E+00	3.36E+00	1.16E+00	3.85E-01	6.38E+00
5303	492863.09	3865877.25	7.50751	2.05459	6.8167	5.79961	1.23E+00	1.59E+00	1.32E+00	4.27E-01	4.57E+00	1.21E+00	6.90E-05	1.45E-02	1.25E-02	1.24E+00	1.47E+00	1.59E+00	1.32E+00	4.27E-01	4.81E+00

5304	493363.09	3865877.25	7.929	2.31284	10.474	6.20465	1.30E+00	1.79E+00	2.03E+00	4.57E-01	5.58E+00	1.28E+00	7.77E-05	2.23E-02	1.34E-02	1.31E+00	1.55E+00	1.79E+00	2.03E+00	4.57E-01	5.83E+00
5305	493863.09	3865877.25	8.92534	3.87669	15.117	4.5865	1.46E+00	3.01E+00	2.93E+00	3.38E-01	7.74E+00	1.44E+00	1.30E-04	3.21E-02	9.87E-03	1.48E+00	1.75E+00	3.01E+00	2.93E+00	3.38E-01	8.02E+00
5306	494363.09	3865877.25	7.76018	5.80145	17.445	5.50835	1.27E+00	4.50E+00	3.38E+00	4.06E-01	9.56E+00	1.25E+00	1.95E-04	3.71E-02	1.19E-02	1.30E+00	1.52E+00	4.50E+00	3.38E+00	4.06E-01	9.81E+00
5307	494863.09	3865877.25	5.79433	6.54678	12.69	5.84959	9.48E-01	5.08E+00	2.46E+00	4.31E-01	8.92E+00	9.34E-01	2.20E-04	2.70E-02	1.26E-02	9.73E-01	1.13E+00	5.08E+00	2.46E+00	4.31E-01	9.10E+00
5308	495363.09	3865877.25	5.84921	7.40284	11.237	5.32253	9.57E-01	5.74E+00	2.18E+00	3.92E-01	9.27E+00	9.42E-01	2.49E-04	2.39E-02	1.15E-02	9.78E-01	1.14E+00	5.74E+00	2.18E+00	3.92E-01	9.46E+00
5309	495863.09	3865877.25	5.95792	6.559	11.053	3.82172	9.74E-01	5.09E+00	2.14E+00	2.81E-01	8.49E+00	9.60E-01	2.20E-04	2.35E-02	8.23E-03	9.92E-01	1.17E+00	5.09E+00	2.14E+00	2.81E-01	8.68E+00
5310	496363.09	3865877.25	6.53065	6.14763	13.561	2.74856	1.07E+00	4.77E+00	2.63E+00	2.02E-01	8.67E+00	1.05E+00	2.07E-04	2.88E-02	5.92E-03	1.09E+00	1.28E+00	4.77E+00	2.63E+00	2.02E-01	8.88E+00
5311	496863.09	3865877.25	6.21557	5.6768	15.485	3.46643	1.02E+00	4.40E+00	3.00E+00	2.55E-01	8.68E+00	1.00E+00	1.91E-04	3.29E-02	7.46E-03	1.04E+00	1.22E+00	4.40E+00	3.00E+00	2.55E-01	8.88E+00
5312	497363.09	3865877.25	5.33499	5.57045	13.11	3.85894	8.73E-01	4.32E+00	2.54E+00	2.84E-01	8.02E+00	8.60E-01	1.87E-04	2.79E-02	8.31E-03	8.96E-01	1.04E+00	4.32E+00	2.54E+00	2.84E-01	8.19E+00
5313	497863.09	3865877.25	4.89317	5.69728	9.0259	3.89692	8.00E-01	4.42E+00	1.75E+00	2.87E-01	7.26E+00	7.88E-01	1.91E-04	1.92E-02	8.39E-03	8.16E-01	9.57E-01	4.42E+00	1.75E+00	2.87E-01	7.41E+00
5314	498363.09	3865877.25	5.34185	5.3234	6.5798	4.59872	8.74E-01	4.13E+00	1.28E+00	3.39E-01	6.62E+00	8.61E-01	1.79E-04	1.40E-02	9.90E-03	8.85E-01	1.05E+00	4.13E+00	1.28E+00	3.39E-01	6.79E+00
5315	471363.09	3866377.25	2.44397	1.56958	8.8901	2.15811	4.00E-01	1.22E+00	1.72E+00	1.59E-01	3.50E+00	3.94E-01	5.27E-05	1.89E-02	4.65E-03	4.17E-01	4.78E-01	1.22E+00	1.72E+00	1.59E-01	3.58E+00
5316	471863.09	3866377.25	2.45392	1.5726	9.0801	2.16019	4.01E-01	1.22E+00	1.76E+00	1.59E-01	3.54E+00	3.95E-01	5.28E-05	1.93E-02	4.65E-03	4.19E-01	4.80E-01	1.22E+00	1.76E+00	1.59E-01	3.62E+00
5317	472363.09	3866377.25	2.47535	1.58042	9.1591	2.12979	4.05E-01	1.23E+00	1.78E+00	1.57E-01	3.56E+00	3.99E-01	5.31E-05	1.95E-02	4.58E-03	4.23E-01	4.84E-01	1.23E+00	1.78E+00	1.57E-01	3.64E+00
5318	472863.09	3866377.25	2.38611	1.59956	8.2826	2.08204	3.90E-01	1.24E+00	1.61E+00	1.53E-01	3.39E+00	3.84E-01	5.37E-05	1.76E-02	4.48E-03	4.07E-01	4.67E-01	1.24E+00	1.61E+00	1.53E-01	3.47E+00
5319	473363.09	3866377.25	2.44473	1.63858	7.6146	1.94057	4.00E-01	1.27E+00	1.48E+00	1.43E-01	3.29E+00	3.94E-01	5.50E-05	1.62E-02	4.18E-03	4.14E-01	4.78E-01	1.27E+00	1.48E+00	1.43E-01	3.37E+00
5320	473863.09	3866377.25	2.45542	1.66165	8.0452	1.91188	4.02E-01	1.29E+00	1.56E+00	1.41E-01	3.39E+00	3.96E-01	5.58E-05	1.71E-02	4.12E-03	4.17E-01	4.80E-01	1.29E+00	1.56E+00	1.41E-01	3.47E+00
5321	474363.09	3866377.25	2.63517	1.66293	8.6278	1.84932	4.31E-01	1.29E+00	1.67E+00	1.36E-01	3.53E+00	4.25E-01	5.59E-05	1.83E-02	3.98E-03	4.47E-01	5.16E-01	1.29E+00	1.67E+00	1.36E-01	3.61E+00
5322	474863.09	3866377.25	2.83867	1.6455	9.1057	1.86597	4.64E-01	1.28E+00	1.77E+00	1.37E-01	3.64E+00	4.57E-01	5.53E-05	1.94E-02	4.02E-03	4.81E-01	5.55E-01	1.28E+00	1.77E+00	1.37E-01	3.73E+00
5323	475363.09	3866377.25	2.93243	1.6312	9.2219	1.97646	4.80E-01	1.27E+00	1.79E+00	1.46E-01	3.68E+00	4.73E-01	5.48E-05	1.96E-02	4.25E-03	4.96E-01	5.74E-01	1.27E+00	1.79E+00	1.46E-01	3.77E+00
5324	475863.09	3866377.25	2.91257	1.62323	8.8686	1.99412	4.76E-01	1.26E+00	1.72E+00	1.47E-01	3.60E+00	4.69E-01	5.45E-05	1.89E-02	4.29E-03	4.93E-01	5.70E-01	1.26E+00	1.72E+00	1.47E-01	3.70E+00
5325	476363.09	3866377.25	2.91407	1.61855	8.918	1.87753	4.77E-01	1.26E+00	1.73E+00	1.38E-01	3.60E+00	4.70E-01	5.44E-05	1.90E-02	4.04E-03	4.93E-01	5.70E-01	1.26E+00	1.73E+00	1.38E-01	3.69E+00
5326	476863.09	3866377.25	2.9316	1.41586	11.502	2.11866	4.79E-01	1.10E+00	2.23E+00	1.56E-01	3.96E+00	4.72E-01	4.76E-05	2.45E-02	4.56E-03	5.01E-01	5.74E-01	1.10E+00	2.23E+00	1.56E-01	4.06E+00
5327	477363.09	3866377.25	2.82773	1.63418	12.278	2.00636	4.63E-01	1.27E+00	2.38E+00	1.48E-01	4.26E+00	4.56E-01	5.49E-05	2.61E-02	4.32E-03	4.86E-01	5.53E-01	1.27E+00	2.38E+00	1.48E-01	4.35E+00
5328	477863.09	3866377.25	2.91076	1.68867	13.141	2.33384	4.76E-01	1.31E+00	2.55E+00	1.72E-01	4.51E+00	4.69E-01	5.67E-05	2.79E-02	5.02E-03	5.02E-01	5.70E-01	1.31E+00	2.55E+00	1.72E-01	4.60E+00
5329	478363.09	3866377.25	2.92385	1.75599	12.109	2.42753	4.78E-01	1.36E+00	2.35E+00	1.79E-01	4.37E+00	4.71E-01	5.90E-05	2.57E-02	5.23E-03	5.02E-01	5.72E-01	1.36E+00	2.35E+00	1.79E-01	4.46E+00
5330	478863.09	3866377.25	2.89366	1.81992	10.196	2.31178	4.73E-01	1.41E+00	1.98E+00	1.70E-01	4.03E+00	4.66E-01	6.11E-05	2.17E-02	4.98E-03	4.93E-01	5.66E-01	1.41E+00	1.98E+00	1.70E-01	4.13E+00
5331	479363.09	3866377.25	2.92144	1.83243	9.1829	2.29146	4.78E-01	1.42E+00	1.78E+00	1.69E-01	3.85E+00	4.71E-01	6.16E-05	1.95E-02	4.93E-03	4.95E-01	5.72E-01	1.42E+00	1.78E+00	1.69E-01	3.94E+00
5332	479863.09	3866377.25	2.9667	1.84501	8.2269	2.42328	4.85E-01	1.43E+00	1.60E+00	1.78E-01	3.69E+00	4.78E-01	6.20E-05	1.75E-02	5.22E-03	5.01E-01	5.81E-01	1.43E+00	1.60E+00	1.78E-01	3.79E+00
5333	480363.09	3866377.25	3.00456	1.91811	8.486	2.36553	4.91E-01	1.49E+00	1.65E+00	1.74E-01	3.80E+00	4.84E-01	6.44E-05	1.80E-02	5.09E-03	5.07E-01	5.88E-01	1.49E+00	1.65E+00	1.74E-01	3.90E+00
5334	480863.09	3866377.25	3.13118	2.15197	8.2744	2.1484	5.12E-01	1.67E+00	1.60E+00	1.58E-01	3.94E+00	5.05E-01	7.23E-05	1.76E-02	4.62E-03	5.27E-01	6.13E-01	1.67E+00	1.60E+00	1.58E-01	4.04E+00
5335	481363.09	3866377.25	3.14592	2.35154	7.1654	1.91898	5.15E-01	1.82E+00	1.39E+00	1.41E-01	3.87E+00	5.07E-01	7.90E-05	1.52E-02	4.13E-03	5.26E-01	6.16E-01	1.82E+00	1.39E+00	1.41E-01	3.97E+00
5336	481863.09	3866377.25	3.01257	2.36939	5.9222	1.90172	4.93E-01	1.84E+00	1.15E+00	1.40E-01	3.62E+00	4.85E-01	7.96E-05	1.26E-02	4.09E-03	5.02E-01	5.89E-01	1.84E+00	1.15E+00	1.40E-01	3.72E+00
5337	482363.09	3866377.25	3.08411	2.40375	7.408	2.12325	5.04E-01	1.86E+00	1.44E+00	1.56E-01	3.96E+00	4.97E-01	8.07E-05	1.58E-02	4.57E-03	5.17E-01	6.03E-01	1.86E+00	1.44E+00	1.56E-01	4.06E+00
5338	482863.09	3866377.25	3.24384	2.55976	14.324	2.46631	5.31E-01	1.99E+00	2.78E+00	1.82E-01	5.48E+00	5.23E-01	8.60E-05	3.05E-02	5.31E-03	5.59E-01	6.35E-01	1.99E+00	2.78E+00	1.82E-01	5.58E+00
5339	483363.09	3866377.25	3.73204	2.63066	18.094	2.48387	6.10E-01	2.04E+00	3.51E+00	1.83E-01	6.34E+00	6.01E-01	8.84E-05	3.85E-02	5.35E-03	6.45E-01	7.30E-01	2.04E+00	3.51E+00	1.83E-01	6.46E+00
5340	483863.09	3866377.25	4.27717	2.49146	12.341	1.99001	7.00E-01	1.93E+00	2.39E+00	1.47E-01	5.17E+00	6.89E-01	8.37E-05	2.62E-02	4.28E-03	7.20E-01	8.37E-01	1.93E+00	2.39E+00	1.47E-01	5.31E+00
5341	484363.09	3866377.25	4.29512	2.50552	7.4277	2.51497	7.03E-01	1.94E+00	1.44E+00	1.85E-01	4.27E+00	6.92E-01	8.42E-05	1.58E-02	5.41E-03	7.13E-01	8.40E-01	1.94E+00	1.44E+00	1.85E-01	4.41E+00
5342	484863.09	3866377.25	4.51594	2.79208	5.7458	2.65564	7.39E-01	2.17E+00	1.11E+00	1.96E-01	4.21E+00	7.28E-01	9.38E-05	1.22E-02	5.72E-03	7.46E-01	8.84E-01	2.17E+00	1.11E+00	1.96E-01	4.36E+00
5343	485363.09	3866377.25	4.51386	3.09816	8.276	1.86107	7.38E-01	2.40E+00	1.60E+00	1.37E-01	4.88E+00	7.27E-01	1.04E-04	1.76E-02	4.01E-03	7.49E-01	8.83E-01	2.40E+00	1.60E+00	1.37E-01	5.03E+00
5344	485863.09	3866377.25	4.07602	3.21225	7.1622	1.83231	6.67E-01	2.49E+00	1.39E+00	1.35E-01	4.68E+00	6.57E-01	1.08E-04	1.52E-02	3.94E-03	6.76E-01	7.98E-01	2.49E+00	1.39E+00	1.35E-01	4.81E+00
5345	486363.09	3866377.25	4.03127	3.20855	7.5373	2.50828	6.59E-01	2.49E+00	1.46E+00	1.85E-01	4.79E+00	6.50E-01	1.08E-04	1.60E-02	5.40E-03	6.71E-01	7.89E-01	2.49E+00	1.46E+00	1.85E-01	4.92E+00
5346	486863.09	3866377.25	4.24782	3.3464	12.689	2.38698	6.95E-01	2.60E+00	2.46E+00	1.76E-01	5.93E+00	6.84E-01	1.12E-04	2.70E-02	5.14E-03	7.17E-01	8.31E-01	2.60E+00	2.46E+00	1.76E-01	6.06E+00
5347	487363.09	3866377.25	4.79176	3.87999	16.309	2.86083	7.84E-01	3.01E+00	3.16E+00	2.11E-01	7.17E+00	7.72E-01	1.30E-04	3.47E-02	6.16E-03	8.13E-01	9.38E-01	3.01E+00	3.16E+00	2.11E-01	7.32E+00
5348	487863.09	3866377.25	4.71671	3.53579	13.003	3.07452	7.71E-01	2.74E+00	2.52E+00	2.26E-01	6.26E+00	7.60E-01	1.19E-04	2.76E-02	6.62E-03	7.94E-01	9.23E-01	2.74E+00	2.52E+00	2.26E-01	6.41E+00
5349	488363.09	3866377.25	4.8919	3.3799	12.65	2.5938	8.00E-01	2.62E+00	2.45E+00	1.91E-01	6.07E+00	7.88E-01	1.14E-04	2.69E-02	5.58E-03	8.21E-01	9.57E-01	2.62E+00	2.45E+00	1.91E-01	6.22E+00
5350	488863.09	3866377.25	5.06688	3.43937	8.1829	2.20446	8.29E-01	2.67E+00	1.59E+00	1.62E-01	5.25E+00	8.16E-01	1.16E-04	1.74E-02	4.75E-03	8.39E-01	9.91E-01	2.67E+00	1.59E+00	1.62E-01	5.41E+00
5351	489363.09	3866377.25	5.31595	3.41534	6.6336	2.10764	8.69E-01	2.65E+00	1.29E+00	1.55E-01	4.96E+00	8.57E-01	1.15E-04	1.41E-02	4.54E-03	8.75E-01	1.04E+00	2.65E+00	1.29E+00	1.55E-01	5.13E+00
5352	489863.09	3866377.25	5.52275	3.51193	9.677	2.75315	9.03E-01	2.72E+00	1.88E+00	2.03E-01	5.71E+00	8.90E-01	1.18E-04	2.06E-02	5.93E-03	9.17E-01	1.08E+00	2.72E+00	1.88E+00	2.03E-01	5.88E+00
5353	490363.09	3866377.25	5.58459	4.09001	9.9496	1.84606	9.13E-01	3.17E+00	1.93E+00	1.36E-01	6.15E+00	9.00E-01	1.37E-04	2.12E-02	3.97E-03	9.25E-01	1.09E+00	3.17E+00	1.93E+00	1.36E-01	6.33E+00
5354	490863.09	3866377.25	5.33867	4.39824	5.5073	1.94909	8.73E-01	3.41E+00	1.07E+00	1.44E-01	5.50E+00	8.60E-01	1.48E-04	1.17E-02	4.20E-03	8.76E-01	1.04E+00	3.41E+00	1.07E+00	1.44E-01	5.67E+00
5355	491363.09	3866377.25	5.68802	5.43781	4.4138	2.28299	9.30E-01	4.22E+00	8.56E-01	1.68E-01	6.17E+00	9.17E-01	1.83E-04	9.38E-03	4.91E-03	9.31E-01	1.11E+00	4.22E+00	8.56E-01	1.68E-01	6.36E+00
5356	491863.09	3866377.25	8.83128	4.13758	5.059	3.29934	1.44E+00	3.21E+00	9.81E-01	2.43E-01	5.88E+00	1.42E+00	1.39E-04	1.08E-02	7.10E-03	1.44E+00	1.73E+00	3.21E+00	9.81E-01	2.43E-01	6.16E+00
5357	492363.09	3866377.25	8.66566	4.00509	5.599	3.94484	1.42E+00	3.11E+00	1.09E+00	2.90E-01	5.90E+00	1.40E+00	1.35E-04	1.19E-02	8.49E-03	1.42E+00	1.70E+00	3.11E+00	1.09E+00	2.90E-01	6.18E+00
5358	492863.09	3866377.25	6.83589	3.09891	5.9687	6.30014	1.12E+00	2.40E+00	1.16E+00	4.64E-01	5.14E+00	1.10E+00	1.04E-04	1.27E-02	1.36E-02	1.13E+00	1.34E+00	2.40E+00	1.16E+00	4.64E-01	5.36E+00
5359	493363.09	3866377.25	7.54612	3.46849	7.4687	6.85238	1.23E+00	2.69E+00	1.45E+00	5.05E-01	5.88E+00	1.22E+00	1.17E-04	1.59E-02	1.48E-02	1.25E+00	1.48E+00	2.69E+00	1.45E+00	5.05E-01	6.12E+00
5360	493863.09	3866377.25	8.42877	4.62447	8.6418	5.76292	1.38E+00	3.59E+00	1.68E+00	4.24E-01	7.07E+00	1.36E+00	1.55E-04	1.84E-02	1.24E-02	1.39E+00	1.65E+00	3.59E+00	1.68E+00	4.24E-01	7.34E+00
5361	494363.09	3866377.25	7.21074	6.43015	9.4528	4.12364	1.18E+00	4.99E+00	1.83E+00	3.04E-01	8.30E+00	1.16E+00	2.16E-04	2.01E-02	8.88E-03	1.19E+00	1.41E+00	4.99E+00	1.83E+00	3.04E-01	8.54E+00
5362	494863.09	3866377.25	6.65732	6.71461	13.169	4.92727	1.09E+00	5.21E+00	2.55E+00	3.63E-01	9.21E+00	1.07E+00	2.26E-04	2.80E-02	1.06E-02	1.11E+00	1.30E+00	5.21E+00	2.55E+00	3.63E-01	9.43E+00
5363	495363.09	3866377.25	7.01269	5.46962	14.028	5.60086	1.15E+00	4.24E+00	2.72E+00	4.12E-01	8.52E+00	1.13E+00	1.84E-04	2.98E-02	1.21E-02	1.17E+00	1.37E+00	4.24E+00	2.72E+00	4.12E-01	8.75E+00
5364	495863.09	3866377.25	7.50219	5.83221	10.323	5.32993	1.23E+00	4.52E+00	2.00E+00	3.92E-01	8.15E+00	1.21E+00	1.96E-04	2.19E-02	1.15E-02	1.24E+00	1.47E+00	4.52E+00	2.00E+00	3.92E-01	8.39E+00

5365	496363.09	3866377.25	7.85467	5.46822	10.433	3.90681	1.28E+00	4.24E+00	2.02E+00	2.88E-01	7.84E+00	1.27E+00	1.84E-04	2.22E-02	8.41E-03	1.30E+00	1.54E+00	4.24E+00	2.02E+00	2.88E-01	8.09E+00
5366	496863.09	3866377.25	7.86315	4.76306	13.801	2.64876	1.29E+00	3.69E+00	2.68E+00	1.95E-01	7.85E+00	1.27E+00	1.60E-04	2.93E-02	5.70E-03	1.30E+00	1.54E+00	3.69E+00	2.68E+00	1.95E-01	8.10E+00
5367	497363.09	3866377.25	6.59658	4.93085	15.117	3.52178	1.08E+00	3.82E+00	2.93E+00	2.59E-01	8.09E+00	1.06E+00	1.66E-04	3.21E-02	7.58E-03	1.10E+00	1.29E+00	3.83E+00	2.93E+00	2.59E-01	8.31E+00
5368	497863.09	3866377.25	6.63147	4.84863	13.351	4.29295	1.08E+00	3.76E+00	2.59E+00	3.16E-01	7.75E+00	1.07E+00	1.63E-04	2.84E-02	9.24E-03	1.11E+00	1.30E+00	3.76E+00	2.59E+00	3.16E-01	7.96E+00
5369	498363.09	3866377.25	6.90649	3.62514	9.221	5.12896	1.13E+00	2.81E+00	1.79E+00	3.78E-01	6.11E+00	1.11E+00	1.22E-04	1.96E-02	1.10E-02	1.14E+00	1.35E+00	2.81E+00	1.79E+00	3.78E-01	6.33E+00
5370	474494.92	3848334.16	7.48044	3.62202	2.9068	2.09412	1.22E+00	2.81E+00	5.64E-01	1.54E-01	4.75E+00	1.21E+00	1.22E-04	6.18E-03	4.51E-03	1.22E+00	1.46E+00	2.81E+00	5.64E-01	1.54E-01	4.99E+00
5371	475167.27	3848920.79	7.49881	3.9323	3.1101	2.20909	1.23E+00	3.05E+00	6.03E-01	1.63E-01	5.04E+00	1.21E+00	1.32E-04	6.61E-03	4.76E-03	1.22E+00	1.47E+00	3.05E+00	6.03E-01	1.63E-01	5.28E+00
5372	475297.89	3848997.96	7.67115	3.96656	3.1372	2.23027	1.25E+00	3.08E+00	6.08E-01	1.64E-01	5.10E+00	1.24E+00	1.33E-04	6.67E-03	4.80E-03	1.25E+00	1.50E+00	3.08E+00	6.08E-01	1.64E-01	5.35E+00
5373	475439.05	3849062	7.79579	3.84899	3.1551	2.25039	1.28E+00	2.99E+00	6.12E-01	1.66E-01	5.04E+00	1.26E+00	1.29E-04	6.71E-03	4.84E-03	1.27E+00	1.53E+00	2.99E+00	6.12E-01	1.66E-01	5.29E+00
5374	475486.86	3849061.09	7.90745	3.81546	3.153	2.25324	1.29E+00	2.96E+00	6.11E-01	1.66E-01	5.03E+00	1.27E+00	1.28E-04	6.70E-03	4.85E-03	1.29E+00	1.55E+00	2.96E+00	6.11E-01	1.66E-01	5.28E+00
5375	475538.46	3849075.56	8.18779	3.84836	3.1589	2.2578	1.34E+00	2.99E+00	6.13E-01	1.66E-01	5.10E+00	1.32E+00	1.29E-04	6.72E-03	4.86E-03	1.33E+00	1.60E+00	2.99E+00	6.13E-01	1.66E-01	5.37E+00
5376	475751.79	3849137.15	9.17005	4.27977	3.2394	2.27007	1.50E+00	3.32E+00	6.28E-01	1.67E-01	5.61E+00	1.48E+00	1.44E-04	6.89E-03	4.89E-03	1.49E+00	1.79E+00	3.32E+00	6.28E-01	1.67E-01	5.91E+00
5377	476303.62	3849223.38	9.45123	4.97088	3.5438	2.24543	1.55E+00	3.86E+00	6.87E-01	1.65E-01	6.25E+00	1.52E+00	1.67E-04	7.53E-03	4.83E-03	1.54E+00	1.85E+00	3.86E+00	6.87E-01	1.65E-01	6.56E+00
5378	476304.51	3849238.92	9.50389	5.00729	3.5376	2.24957	1.55E+00	3.88E+00	6.86E-01	1.66E-01	6.29E+00	1.53E+00	1.68E-04	7.52E-03	4.84E-03	1.54E+00	1.86E+00	3.88E+00	6.86E-01	1.66E-01	6.60E+00
5379	476365.04	3849247.98	9.41877	5.04849	3.5729	2.24894	1.54E+00	3.92E+00	6.93E-01	1.66E-01	6.32E+00	1.52E+00	1.70E-04	7.60E-03	4.84E-03	1.53E+00	1.84E+00	3.92E+00	6.93E-01	1.66E-01	6.62E+00
5380	476444.86	3849267.13	9.28781	4.95146	3.6156	2.24792	1.52E+00	3.84E+00	7.01E-01	1.66E-01	6.23E+00	1.50E+00	1.66E-04	7.69E-03	4.84E-03	1.51E+00	1.82E+00	3.84E+00	7.01E-01	1.66E-01	6.53E+00
5381	476550.75	3849300.66	8.96381	5.24463	3.6712	2.246	1.47E+00	4.07E+00	7.12E-01	1.65E-01	6.41E+00	1.44E+00	1.76E-04	7.81E-03	4.84E-03	1.46E+00	1.75E+00	4.07E+00	7.12E-01	1.65E-01	6.70E+00
5382	476656.71	3849346.88	8.94977	5.47635	3.7213	2.24641	1.46E+00	4.25E+00	7.22E-01	1.65E-01	6.60E+00	1.44E+00	1.84E-04	7.91E-03	4.84E-03	1.46E+00	1.75E+00	4.25E+00	7.22E-01	1.65E-01	6.89E+00
5383	476873.55	3849454.53	9.18964	5.89506	3.8204	2.24719	1.50E+00	4.57E+00	7.41E-01	1.65E-01	6.98E+00	1.48E+00	1.98E-04	8.12E-03	4.84E-03	1.49E+00	1.80E+00	4.57E+00	7.41E-01	1.65E-01	7.28E+00
5384	477700	3849859.7	10.1867	7.29121	4.3902	2.17301	1.67E+00	5.66E+00	8.51E-01	1.60E-01	8.33E+00	1.64E+00	2.45E-04	9.33E-03	4.68E-03	1.66E+00	1.99E+00	5.66E+00	8.51E-01	1.60E-01	8.66E+00
5385	477743.16	3849856.38	10.4468	7.04985	4.4482	2.14458	1.71E+00	5.47E+00	8.63E-01	1.58E-01	8.20E+00	1.68E+00	2.37E-04	9.46E-03	4.62E-03	1.70E+00	2.04E+00	5.47E+00	8.63E-01	1.58E-01	8.53E+00
5386	478477.35	3850216.33	10.0751	6.52551	4.9613	2.1697	1.65E+00	5.06E+00	9.62E-01	1.60E-01	7.83E+00	1.62E+00	2.19E-04	1.05E-02	4.67E-03	1.64E+00	1.97E+00	5.06E+00	9.62E-01	1.60E-01	8.16E+00
5387	478485.8	3850201.6	9.88926	6.46115	4.9805	2.17663	1.62E+00	5.01E+00	9.66E-01	1.60E-01	7.76E+00	1.59E+00	2.17E-04	1.06E-02	4.69E-03	1.61E+00	1.94E+00	5.01E+00	9.66E-01	1.60E-01	8.07E+00
5388	479113.21	3850501.53	9.1371	6.89629	5.3712	2.25764	1.49E+00	5.35E+00	1.04E+00	1.66E-01	8.05E+00	1.47E+00	2.32E-04	1.14E-02	4.86E-03	1.49E+00	1.79E+00	5.35E+00	1.04E+00	1.66E-01	8.35E+00
5389	479108.11	3850382.28	9.56951	6.49487	5.3723	2.33249	1.57E+00	5.04E+00	1.04E+00	1.72E-01	7.82E+00	1.54E+00	2.18E-04	1.14E-02	5.02E-03	1.56E+00	1.87E+00	5.04E+00	1.04E+00	1.72E-01	8.12E+00
5390	479689.85	3850674.28	13.4954	5.69283	5.5872	2.72224	2.21E+00	4.42E+00	1.08E+00	2.00E-01	7.91E+00	2.17E+00	1.91E-04	1.19E-02	5.86E-03	2.19E+00	2.64E+00	4.42E+00	1.08E+00	2.00E-01	8.34E+00
5391	479952.42	3850774.28	15.0691	5.43264	5.615	2.73078	2.46E+00	4.21E+00	1.09E+00	2.01E-01	7.97E+00	2.43E+00	1.82E-04	1.19E-02	5.88E-03	2.45E+00	2.95E+00	4.21E+00	1.09E+00	2.01E-01	8.45E+00
5392	479911.32	3850884.85	12.4158	5.96883	5.7223	2.60859	2.03E+00	4.63E+00	1.11E+00	1.92E-01	7.96E+00	2.00E+00	2.01E-04	1.22E-02	5.62E-03	2.02E+00	2.43E+00	4.63E+00	1.11E+00	1.92E-01	8.36E+00
5393	480500.92	3851178.12	14.9058	5.34776	5.8338	2.46434	2.44E+00	4.15E+00	1.13E+00	1.81E-01	7.90E+00	2.40E+00	1.80E-04	1.24E-02	5.31E-03	2.42E+00	2.92E+00	4.15E+00	1.13E+00	1.81E-01	8.38E+00
5394	480738.01	3851289.27	15.2563	5.44134	5.8212	2.43734	2.50E+00	4.22E+00	1.13E+00	1.79E-01	8.02E+00	2.46E+00	1.83E-04	1.24E-02	5.25E-03	2.48E+00	2.99E+00	4.22E+00	1.13E+00	1.79E-01	8.51E+00
5395	481055.42	3851443.58	15.6676	5.01077	5.763	2.50615	2.56E+00	3.89E+00	1.12E+00	1.85E-01	7.75E+00	2.52E+00	1.68E-04	1.23E-02	5.40E-03	2.54E+00	3.07E+00	3.89E+00	1.12E+00	1.85E-01	8.25E+00
5396	481110.22	3851443.15	16.9283	5.01311	5.686	2.53645	2.77E+00	3.89E+00	1.10E+00	1.87E-01	7.95E+00	2.73E+00	1.68E-04	1.21E-02	5.46E-03	2.75E+00	3.31E+00	3.89E+00	1.10E+00	1.87E-01	8.49E+00
5397	481111.1	3851417.45	17.4196	4.98672	5.6256	2.56444	2.85E+00	3.87E+00	1.09E+00	1.89E-01	8.00E+00	2.81E+00	1.68E-04	1.20E-02	5.52E-03	2.82E+00	3.41E+00	3.87E+00	1.09E+00	1.89E-01	8.56E+00
5398	482248.44	3852605.09	21.3326	6.27282	6.8443	2.9398	3.49E+00	4.87E+00	1.33E+00	2.16E-01	9.90E+00	3.44E+00	2.11E-04	1.46E-02	6.33E-03	3.46E+00	4.17E+00	4.87E+00	1.33E+00	2.16E-01	1.06E+01
5399	482273.34	3852632.31	21.4184	6.34145	6.8786	2.97084	3.50E+00	4.92E+00	1.33E+00	2.19E-01	9.97E+00	3.45E+00	2.13E-04	1.46E-02	6.40E-03	3.47E+00	4.19E+00	4.92E+00	1.33E+00	2.19E-01	1.07E+01
5400	482665.46	3853038.72	25.1145	6.76248	7.3896	3.31504	4.11E+00	5.25E+00	1.43E+00	2.44E-01	1.10E+01	4.05E+00	2.27E-04	1.57E-02	7.14E-03	4.07E+00	4.91E+00	5.25E+00	1.43E+00	2.44E-01	1.18E+01
5401	483077.95	3853844.31	25.4166	6.1457	8.4507	4.54292	4.16E+00	4.77E+00	1.64E+00	3.34E-01	1.09E+01	4.10E+00	2.06E-04	1.80E-02	9.78E-03	4.12E+00	4.97E+00	4.77E+00	1.64E+00	3.34E-01	1.17E+01
5402	483121.38	3853909.38	26.6237	5.97615	8.4885	4.6669	4.35E+00	4.64E+00	1.65E+00	3.44E-01	1.10E+01	4.29E+00	2.01E-04	1.80E-02	1.00E-02	4.32E+00	5.21E+00	4.64E+00	1.65E+00	3.44E-01	1.18E+01
5403	483492.64	3853911.49	31.2267	5.17827	8.7191	4.00982	5.11E+00	4.02E+00	1.69E+00	2.95E-01	1.11E+01	5.03E+00	1.74E-04	1.85E-02	8.63E-03	5.06E+00	6.11E+00	4.02E+00	1.69E+00	2.95E-01	1.21E+01
5404	483498.29	3854204.73	30.1829	5.47671	9.0061	5.86073	4.94E+00	4.25E+00	1.75E+00	4.31E-01	1.14E+01	4.86E+00	1.84E-04	1.91E-02	1.26E-02	4.90E+00	5.91E+00	4.25E+00	1.75E+00	4.31E-01	1.23E+01
5405	484132.44	3854662.55	32.8839	2.72485	10.019	8.14564	5.38E+00	2.11E+00	1.94E+00	6.00E-01	1.00E+01	5.30E+00	9.15E-05	2.13E-02	1.75E-02	5.34E+00	6.43E+00	2.11E+00	1.94E+00	6.00E-01	1.11E+01
5406	484627.62	3854876.13	38.0119	2.62745	10.488	8.09766	6.22E+00	2.04E+00	2.03E+00	5.96E-01	1.09E+01	6.12E+00	8.83E-05	2.23E-02	1.74E-02	6.16E+00	7.44E+00	2.04E+00	2.03E+00	5.96E-01	1.21E+01
5407	484756.14	3854949.04	38.3876	2.69639	10.566	5.8196	6.28E+00	2.09E+00	2.05E+00	4.28E-01	1.08E+01	6.19E+00	9.06E-05	2.25E-02	1.25E-02	6.22E+00	7.51E+00	2.09E+00	2.05E+00	4.28E-01	1.21E+01
5408	486697.51	3856599.17	44.1247	3.26068	16.235	10.82286	7.22E+00	2.53E+00	3.15E+00	7.97E-01	1.37E+01	7.11E+00	1.10E-04	3.45E-02	2.33E-02	7.17E+00	8.63E+00	2.53E+00	3.15E+00	7.97E-01	1.51E+01
5409	487105.31	3856962.27	48.2307	3.49477	19.582	6.82029	7.89E+00	2.71E+00	3.80E+00	5.02E-01	1.49E+01	7.77E+00	1.17E-04	4.16E-02	1.47E-02	7.83E+00	9.44E+00	2.71E+00	3.80E+00	5.02E-01	1.64E+01
5410	487157.57	3856901.7	39.9166	4.01101	19.291	7.19641	6.53E+00	3.11E+00	3.74E+00	5.30E-01	1.39E+01	6.43E+00	1.35E-04	4.10E-02	1.55E-02	6.49E+00	7.81E+00	3.11E+00	3.74E+00	5.30E-01	1.52E+01
5411	487173.5	3856853.74	38.048	4.16835	18.48	7.52886	6.22E+00	3.23E+00	3.58E+00	5.54E-01	1.36E+01	6.13E+00	1.40E-04	3.93E-02	1.62E-02	6.19E+00	7.45E+00	3.23E+00	3.58E+00	5.54E-01	1.48E+01
5412	487564.41	3856860.83	30.7652	4.83707	29.552	7.07504	5.03E+00	3.75E+00	5.73E+00	5.21E-01	1.50E+01	4.96E+00	1.62E-04	6.28E-02	1.52E-02	5.04E+00	6.02E+00	3.75E+00	5.73E+00	5.21E-01	1.60E+01
5413	487563.31	3856931.58	31.7433	4.95706	28.492	6.31277	5.19E+00	3.85E+00	5.52E+00	4.65E-01	1.50E+01	5.11E+00	1.67E-04	6.06E-02	1.36E-02	5.19E+00	6.21E+00	3.85E+00	5.52E+00	4.65E-01	1.60E+01
5414	487782.7	3856926.85	28.6932	5.13633	37.335	5.86964	4.69E+00	3.98E+00	7.24E+00	4.32E-01	1.63E+01	4.62E+00	1.73E-04	7.94E-02	1.26E-02	4.72E+00	5.61E+00	3.98E+00	7.24E+00	4.32E-01	1.73E+01
5415	487782.39	3856757.07	27.0194	4.78244	36.753	6.8567	4.42E+00	3.71E+00	7.13E+00	5.05E-01	1.58E+01	4.35E+00	1.61E-04	7.81E-02	1.48E-02	4.45E+00	5.29E+00	3.71E+00	7.13E+00	5.05E-01	1.66E+01
5416	487917.26	3856752.41	25.6377	5.00364	32.023	6.2993	4.19E+00	3.88E+00	6.21E+00	4.64E-01	1.47E+01	4.13E+00	1.68E-04	6.81E-02	1.36E-02	4.21E+00	5.02E+00	3.88E+00	6.21E+00	4.64E-01	1.56E+01
5417	487919.57	3856953.35	27.3898	5.33601	37.634	5.33044	4.48E+00	4.14E+00	7.30E+00	3.92E-01	1.63E+01	4.41E+00	1.79E-04	8.00E-02	1.15E-02	4.51E+00	5.36E+00	4.14E+00	7.30E+00	3.92E-01	1.72E+01
5418	487932.76	3857000.32	27.7431	5.37442	38.111	4.92673	4.54E+00	4.17E+00	7.39E+00	3.63E-01	1.65E+01	4.47E+00	1.81E-04	8.10E-02	1.06E-02	4.56E+00	5.43E+00	4.17E+00	7.39E+00	3.63E-01	1.74E+01
5419	487960.5	3857044.75	27.8656	5.48546	36.747	4.62484	4.56E+00	4.26E+00	7.13E+00	3.40E-01	1.63E+01	4.49E+00	1.84E-04	7.81E-02	9.96E-03	4.58E+00	5.45E+00	4.26E+00	7.13E+00	3.40E-01	1.72E+01
5420	488016.54	3857089.54	27.5888	5.63314	30.206	4.40191	4.51E+00	4.37E+00	5.86E+00	3.24E-01	1.51E+01	4.45E+00	1.89E-04	6.42E-02	9.48E-03	4.52E+00	5.40E+00	4.37E+00	5.86E+00	3.24E-01	1.59E+01
5421	488114.39	3857165.47	27.2295	6.29137	30.759	4.12497	4.45E+00	4.88E+00	5.96E+00	3.04E-01	1.56E+01	4.39E+00	2.11E-04	6.54E-02	8.88E-03	4.46E+00	5.33E+00	4.88E+00	5.96E+00	3.04E-01	1.65E+01
5422	488171.49	3857234.24	27.361	6.78028	38.179	4.14092	4.48E+00	5.26E+00	7.40E+00	3.05E-01	1.74E+01	4.41E+00	2.28E-04	8.12E-02	8.91E-03	4.50E+00	5.35E+00	5.26E+00	7.40E+00	3.05E-01	1.83E+01
5423	488193.16	3857297.8	28.0431	7.23199	41.734	4.40539	4.59E+00	5.61E+00	8.09E+00	3.24E-01	1.86E+01	4.52E+00	2.43E-04	8.87E-02	9.48E-03	4.62E+00	5.49E+00	5.61E+00	8.09E+00	3.24E-01	1.95E+01
5424	488189.27	3857649.94	28.9739	9.15261	68.247	6.22748	4.74E+00	7.10E+00	1.32E+01	4.58E-01	2.55E+01	4.67E+00	3.07E-04	1.45E-01	1.34E-02	4.83E+00	5.67E+00	7.10E+00	1.32E+01	4.58E-01	2.65E+01
5425	488127.43	3857732.32	28.6213	9.10913	94.239	6.41917	4.68E+00	7.07E+00	1.83E+01	4.73E-01	3.05E+01	4.61E+00	3.06E-04	2.00E-01	1.38E-02	4.83E+00	5.60E+00	7.07E+00	1.83E+01	4.73E-01	3.14E+01

5426	488149.93	3857752.94	28.4346	9.21448	92.816	6.81409	4.65E+00	7.15E+00	1.80E+01	5.02E-01	3.03E+01	4.58E+00	3.10E-04	1.97E-01	1.47E-02	4.79E+00	5.56E+00	7.15E+00	1.80E+01	5.02E-01	3.12E+01
5427	488144.76	3857758.71	28.3852	9.18307	96.072	6.83188	4.64E+00	7.12E+00	1.86E+01	5.03E-01	3.09E+01	4.57E+00	3.08E-04	2.04E-01	1.47E-02	4.79E+00	5.55E+00	7.12E+00	1.86E+01	5.03E-01	3.18E+01
5428	488335.58	3857932.55	26.398	10.5391	127.45	5.59361	4.32E+00	8.18E+00	2.47E+01	4.12E-01	3.76E+01	4.25E+00	3.54E-04	2.71E-01	1.20E-02	4.54E+00	5.17E+00	8.18E+00	2.47E+01	4.12E-01	3.85E+01
5429	488372.29	3857943.79	26.3373	10.4325	126.73	6.0714	4.31E+00	8.09E+00	2.46E+01	4.47E-01	3.74E+01	4.24E+00	3.50E-04	2.69E-01	1.31E-02	4.53E+00	5.15E+00	8.09E+00	2.46E+01	4.47E-01	3.83E+01
5430	488828.64	3857936.4	25.3319	10.4681	92.893	7.33683	4.14E+00	8.12E+00	1.80E+01	5.40E-01	3.08E+01	4.08E+00	3.52E-04	1.98E-01	1.58E-02	4.30E+00	4.96E+00	8.12E+00	1.80E+01	5.40E-01	3.16E+01
5431	488829.08	3857959.58	25.3917	10.5549	91.166	7.48817	4.15E+00	8.19E+00	1.77E+01	5.51E-01	3.06E+01	4.09E+00	3.55E-04	1.94E-01	1.61E-02	4.30E+00	4.97E+00	8.19E+00	1.77E+01	5.51E-01	3.14E+01
5432	488351.61	3857964.55	25.8881	10.6763	134.2	6.27993	4.23E+00	8.28E+00	2.60E+01	4.62E-01	3.90E+01	4.17E+00	3.59E-04	2.85E-01	1.35E-02	4.47E+00	5.07E+00	8.28E+00	2.60E+01	4.62E-01	3.98E+01
5433	488316.87	3857947.65	25.9474	10.6868	129.84	5.73784	4.24E+00	8.29E+00	2.52E+01	4.22E-01	3.81E+01	4.18E+00	3.59E-04	2.76E-01	1.24E-02	4.47E+00	5.08E+00	8.29E+00	2.52E+01	4.22E-01	3.90E+01
5434	488129.1	3857775.77	28.1048	9.12779	102.79	6.91564	4.60E+00	7.08E+00	1.99E+01	5.09E-01	3.21E+01	4.53E+00	3.07E-04	2.19E-01	1.49E-02	4.76E+00	5.50E+00	7.08E+00	1.99E+01	5.09E-01	3.30E+01
5435	488062.53	3857846.13	27.8424	9.06618	120.51	7.26328	4.55E+00	7.03E+00	2.34E+01	5.35E-01	3.55E+01	4.49E+00	3.05E-04	2.56E-01	1.56E-02	4.76E+00	5.45E+00	7.03E+00	2.34E+01	5.35E-01	3.64E+01
5436	488330.41	3858091.34	23.6378	11.1532	191.1	8.63743	3.87E+00	8.65E+00	3.71E+01	6.36E-01	5.02E+01	3.81E+00	3.75E-04	4.06E-01	1.86E-02	4.23E+00	4.63E+00	8.65E+00	3.71E+01	6.36E-01	5.10E+01
5437	488470.87	3858174.45	22.7446	11.8815	141.82	8.56543	3.72E+00	9.22E+00	2.75E+01	6.31E-01	4.11E+01	3.66E+00	3.99E-04	3.02E-01	1.84E-02	3.99E+00	4.45E+00	9.22E+00	2.75E+01	6.31E-01	4.18E+01
5438	488568.9	3858262.31	21.3006	13.0254	117.26	6.39198	3.48E+00	1.01E+01	2.27E+01	4.71E-01	3.68E+01	3.43E+00	4.38E-04	2.49E-01	1.38E-02	3.70E+00	4.17E+00	1.01E+01	2.27E+01	4.71E-01	3.75E+01
5439	488964.27	3858025.71	24.7103	10.5441	79.863	7.05831	4.04E+00	8.18E+00	1.55E+01	5.20E-01	2.82E+01	3.98E+00	3.54E-04	1.70E-01	1.52E-02	4.17E+00	4.84E+00	8.18E+00	1.55E+01	5.20E-01	2.90E+01
5440	489147.25	3857956.64	24.7276	9.35966	65.886	6.9479	4.04E+00	7.26E+00	1.28E+01	5.12E-01	2.46E+01	3.98E+00	3.14E-04	1.40E-01	1.50E-02	4.14E+00	4.84E+00	7.26E+00	1.28E+01	5.12E-01	2.54E+01
5441	489343.52	3857932.45	23.7441	8.36736	56.142	6.12106	3.88E+00	6.49E+00	1.09E+01	4.51E-01	2.17E+01	3.83E+00	2.81E-04	1.19E-01	1.32E-02	3.96E+00	4.65E+00	6.49E+00	1.09E+01	4.51E-01	2.25E+01
5442	489866.19	3857923.19	19.8574	6.3218	46.31	3.98985	3.25E+00	4.90E+00	8.98E+00	2.94E-01	1.74E+01	3.20E+00	2.12E-04	9.85E-02	8.59E-03	3.31E+00	3.89E+00	4.90E+00	8.98E+00	2.94E-01	1.81E+01
5443	489955.65	3857902.27	19.184	5.74067	45.202	4.10186	3.14E+00	4.45E+00	8.76E+00	3.02E-01	1.67E+01	3.09E+00	1.93E-04	9.61E-02	8.83E-03	3.20E+00	3.75E+00	4.45E+00	8.76E+00	3.02E-01	1.73E+01
5444	490079.44	3857847.9	17.9129	5.50894	43.515	4.07731	2.93E+00	4.27E+00	8.44E+00	3.00E-01	1.59E+01	2.89E+00	1.85E-04	9.25E-02	8.78E-03	2.99E+00	3.51E+00	4.27E+00	8.44E+00	3.00E-01	1.65E+01
5445	490108.49	3857934.13	18.2795	5.38247	43.764	4.32575	2.99E+00	4.18E+00	8.49E+00	3.18E-01	1.60E+01	2.95E+00	1.81E-04	9.30E-02	9.31E-03	3.05E+00	3.58E+00	4.18E+00	8.49E+00	3.18E-01	1.66E+01
5446	489884.48	3858014.17	20.2609	6.2209	47.778	4.19478	3.31E+00	4.83E+00	9.26E+00	3.09E-01	1.77E+01	3.26E+00	2.09E-04	1.02E-01	9.03E-03	3.38E+00	3.96E+00	4.83E+00	9.26E+00	3.09E-01	1.84E+01
5447	489326.56	3858025.86	24.1286	8.96471	58.676	5.56318	3.95E+00	6.95E+00	1.14E+01	4.10E-01	2.27E+01	3.89E+00	3.01E-04	1.25E-01	1.20E-02	4.02E+00	4.72E+00	6.95E+00	1.14E+01	4.10E-01	2.35E+01
5448	489130.38	3858056.71	24.3271	9.58105	70.835	6.20483	3.98E+00	7.43E+00	1.37E+01	4.57E-01	2.56E+01	3.92E+00	3.22E-04	1.51E-01	1.34E-02	4.08E+00	4.76E+00	7.43E+00	1.37E+01	4.57E-01	2.64E+01
5449	488936.49	3858143.93	24.2571	11.1483	79.891	6.08378	3.97E+00	8.65E+00	1.55E+01	4.48E-01	2.86E+01	3.91E+00	3.74E-04	1.70E-01	1.31E-02	4.09E+00	4.75E+00	8.65E+00	1.55E+01	4.48E-01	2.93E+01
5450	488638.08	3858327.45	20.4731	13.3856	96.586	5.28432	3.35E+00	1.04E+01	1.87E+01	3.89E-01	3.28E+01	3.30E+00	4.50E-04	2.05E-01	1.14E-02	3.52E+00	4.01E+00	1.04E+01	1.87E+01	3.89E-01	3.35E+01
5451	488663.79	3858349.57	20.2814	13.4716	90.784	5.60711	3.32E+00	1.04E+01	1.76E+01	4.13E-01	3.18E+01	3.27E+00	4.53E-04	1.93E-01	1.21E-02	3.47E+00	3.97E+00	1.05E+01	1.76E+01	4.13E-01	3.24E+01
5452	488694.56	3858349.5	20.9589	13.3959	89.664	5.89054	3.43E+00	1.04E+01	1.74E+01	4.34E-01	3.16E+01	3.38E+00	4.50E-04	1.91E-01	1.27E-02	3.58E+00	4.10E+00	1.04E+01	1.74E+01	4.34E-01	3.23E+01
5453	488694.35	3858336.75	21.3639	13.3015	94.432	5.75963	3.49E+00	1.03E+01	1.83E+01	4.24E-01	3.25E+01	3.44E+00	4.47E-04	2.01E-01	1.24E-02	3.66E+00	4.18E+00	1.03E+01	1.83E+01	4.24E-01	3.32E+01
5454	488712.81	3858336.38	21.7659	13.2403	95.215	5.89357	3.56E+00	1.03E+01	1.85E+01	4.34E-01	3.27E+01	3.51E+00	4.45E-04	2.02E-01	1.27E-02	3.72E+00	4.26E+00	1.03E+01	1.85E+01	4.34E-01	3.34E+01
5455	488713.23	3858367.46	20.7775	13.4794	84.297	6.08328	3.40E+00	1.05E+01	1.63E+01	4.48E-01	3.06E+01	3.35E+00	4.53E-04	1.79E-01	1.31E-02	3.54E+00	4.07E+00	1.05E+01	1.63E+01	4.48E-01	3.13E+01
5456	488704.63	3858384.05	20.0041	13.6649	80.259	6.06771	3.27E+00	1.06E+01	1.56E+01	4.47E-01	2.99E+01	3.22E+00	4.59E-04	1.71E-01	1.31E-02	3.41E+00	3.91E+00	1.06E+01	1.56E+01	4.47E-01	3.05E+01
5457	488604.15	3858488.29	20.0864	15.0411	64.508	6.06092	3.29E+00	1.17E+01	1.25E+01	4.46E-01	2.79E+01	3.24E+00	5.05E-04	1.37E-01	1.30E-02	3.39E+00	3.93E+00	1.17E+01	1.25E+01	4.46E-01	2.86E+01
5458	488605.66	3858550.47	19.7651	15.809	48.695	6.64312	3.23E+00	1.23E+01	9.44E+00	4.89E-01	2.54E+01	3.18E+00	5.31E-04	1.04E-01	1.43E-02	3.30E+00	3.87E+00	1.23E+01	9.44E+00	4.89E-01	2.61E+01
5459	488692.68	3858548.71	19.7206	15.401	54.574	6.63186	3.23E+00	1.19E+01	1.06E+01	4.88E-01	2.62E+01	3.18E+00	5.17E-04	1.16E-01	1.43E-02	3.31E+00	3.86E+00	1.19E+01	1.06E+01	4.88E-01	2.69E+01
5460	488759.93	3858461.81	18.5278	14.0134	63.467	5.87122	3.03E+00	1.09E+01	1.23E+01	4.32E-01	2.66E+01	2.99E+00	4.71E-04	1.35E-01	1.26E-02	3.13E+00	3.63E+00	1.09E+01	1.23E+01	4.32E-01	2.72E+01
5461	488816.57	3858541.79	17.8163	14.3033	53.45	7.03505	2.91E+00	1.11E+01	1.04E+01	5.18E-01	2.49E+01	2.87E+00	4.80E-04	1.14E-01	1.51E-02	3.00E+00	3.49E+00	1.11E+01	1.04E+01	5.18E-01	2.55E+01
5462	488944.63	3858656.77	16.9855	14.5349	44.334	6.39228	2.78E+00	1.13E+01	8.60E+00	4.71E-01	2.31E+01	2.74E+00	4.88E-04	9.43E-02	1.38E-02	2.85E+00	3.32E+00	1.13E+01	8.60E+00	4.71E-01	2.37E+01
5463	489134.91	3858830.7	15.8343	13.5925	34.972	5.98877	2.59E+00	1.05E+01	6.78E+00	4.41E-01	2.04E+01	2.55E+00	4.57E-04	7.44E-02	1.29E-02	2.64E+00	3.10E+00	1.05E+01	6.78E+00	4.41E-01	2.09E+01
5464	489193.99	3858886.05	15.4888	14.2432	32.455	6.054	2.53E+00	1.10E+01	6.29E+00	4.46E-01	2.03E+01	2.50E+00	4.78E-04	6.90E-02	1.30E-02	2.58E+00	3.03E+00	1.10E+01	6.29E+00	4.46E-01	2.08E+01
5465	489295.2	3858954.34	14.8608	14.5954	31.201	5.82906	2.43E+00	1.13E+01	6.05E+00	4.29E-01	2.02E+01	2.39E+00	4.90E-04	6.63E-02	1.25E-02	2.47E+00	2.91E+00	1.13E+01	6.05E+00	4.29E-01	2.07E+01
5466	489295.64	3858992.74	14.8706	14.9904	30.126	5.51787	2.43E+00	1.16E+01	5.84E+00	4.06E-01	2.03E+01	2.40E+00	5.04E-04	6.41E-02	1.19E-02	2.47E+00	2.91E+00	1.16E+01	5.84E+00	4.06E-01	2.08E+01
5467	489183.74	3858911.72	15.5219	14.7796	31.345	5.93382	2.54E+00	1.15E+01	6.08E+00	4.37E-01	2.05E+01	2.50E+00	4.96E-04	6.66E-02	1.28E-02	2.58E+00	3.04E+00	1.15E+01	6.08E+00	4.37E-01	2.10E+01
5468	488873.37	3858625.59	17.6121	14.6535	47.51	6.15573	2.88E+00	1.14E+01	9.21E+00	4.53E-01	2.39E+01	2.84E+00	4.92E-04	1.01E-01	1.33E-02	2.95E+00	3.45E+00	1.14E+01	9.21E+00	4.53E-01	2.45E+01
5469	488842.84	3858658.69	18.9303	15.4027	44.505	6.12827	3.10E+00	1.19E+01	8.63E+00	4.51E-01	2.41E+01	3.05E+00	5.17E-04	9.46E-02	1.32E-02	3.16E+00	3.70E+00	1.19E+01	8.63E+00	4.51E-01	2.47E+01
5470	488856.39	3858670.93	18.8833	15.2938	43.636	6.10934	3.09E+00	1.19E+01	8.46E+00	4.50E-01	2.39E+01	3.04E+00	5.14E-04	9.28E-02	1.32E-02	3.15E+00	3.70E+00	1.19E+01	8.46E+00	4.50E-01	2.45E+01
5471	488805.7	3858724.5	19.3386	16.4635	35.749	6.29685	3.16E+00	1.28E+01	6.93E+00	4.64E-01	2.33E+01	3.12E+00	5.53E-04	7.60E-02	1.36E-02	3.21E+00	3.78E+00	1.28E+01	6.93E+00	4.64E-01	2.40E+01
5472	488805.87	3858804.16	19.0161	17.5805	28.88	6.10941	3.11E+00	1.36E+01	5.60E+00	4.50E-01	2.28E+01	3.06E+00	5.91E-04	6.14E-02	1.32E-02	3.14E+00	3.72E+00	1.36E+01	5.60E+00	4.50E-01	2.34E+01
5473	488995.78	3858936.96	18.6959	17.2455	26.245	7.30887	3.06E+00	1.34E+01	5.09E+00	5.38E-01	2.21E+01	3.01E+00	5.79E-04	5.58E-02	1.57E-02	3.08E+00	3.66E+00	1.34E+01	5.09E+00	5.38E-01	2.27E+01
5474	489130.76	3859017.38	18.2921	16.7134	26.775	6.42094	2.99E+00	1.30E+01	5.19E+00	4.73E-01	2.16E+01	2.95E+00	5.61E-04	5.69E-02	1.38E-02	3.02E+00	3.58E+00	1.30E+01	5.19E+00	4.73E-01	2.22E+01
5475	489130.92	3859052.24	17.7585	17.0933	25.533	6.29013	2.90E+00	1.33E+01	4.95E+00	4.63E-01	2.16E+01	2.86E+00	5.74E-04	5.43E-02	1.35E-02	2.93E+00	3.47E+00	1.33E+01	4.95E+00	4.63E-01	2.21E+01
5476	489200.33	3859090.6	17.4569	16.7075	26.213	5.63247	2.86E+00	1.30E+01	5.08E+00	4.15E-01	2.13E+01	2.81E+00	5.61E-04	5.57E-02	1.21E-02	2.88E+00	3.42E+00	1.30E+01	5.08E+00	4.15E-01	2.19E+01
5477	489296.07	3859143.7	15.7743	16.203	26.974	5.65509	2.58E+00	1.26E+01	5.23E+00	4.16E-01	2.08E+01	2.54E+00	5.44E-04	5.74E-02	1.22E-02	2.61E+00	3.09E+00	1.26E+01	5.23E+00	4.16E-01	2.13E+01
5478	489296.43	3858954.74	14.8518	14.5925	31.207	5.82272	2.43E+00	1.13E+01	6.05E+00	4.29E-01	2.02E+01	2.39E+00	4.90E-04	6.64E-02	1.25E-02	2.47E+00	2.91E+00	1.13E+01	6.05E+00	4.29E-01	2.07E+01
5479	489410.33	3859033.19	15.3321	14.1531	30.292	4.89439	2.51E+00	1.10E+01	5.87E+00	3.60E-01	1.97E+01	2.47E+00	4.75E-04	6.44E-02	1.05E-02	2.55E+00	3.00E+00	1.10E+01	5.87E+00	3.60E-01	2.02E+01
5480	489371.37	3859089.8	15.0402	15.1908	28.095	5.17572	2.46E+00	1.18E+01	5.45E+00	3.81E-01	2.01E+01	2.42E+00	5.10E-04	5.97E-02	1.11E-02	2.49E+00	2.94E+00	1.18E+01	5.45E+00	3.81E-01	2.06E+01
5481	489390.52	3859102.82	15.1386	15.1224	28.056	5.18857	2.48E+00	1.17E+01	5.44E+00	3.82E-01	2.00E+01	2.44E+00	5.08E-04	5.97E-02	1.12E-02	2.51E+00	2.96E+00	1.17E+01	5.44E+00	3.82E-01	2.05E+01
5482	489382.3	3859114.53	15.4677	15.2242	27.841	5.31989	2.53E+00	1.18E+01	5.40E+00	3.92E-01	2.01E+01	2.49E+00	5.11E-04	5.92E-02	1.15E-02	2.56E+00	3.03E+00	1.18E+01	5.40E+00	3.92E-01	2.06E+01
5483	489363.04	3859102.45	15.4548	15.3116	27.832	5.25379	2.53E+00	1.19E+01	5.40E+00	3.87E-01	2.02E+01	2.49E+00	5.14E-04	5.92E-02	1.13E-02	2.56E+00	3.02E+00	1.19E+01	5.40E+00	3.87E-01	2.07E+01
5484	489337.52	3859140.71	16.2055	15.8236	27.344	5.61982	2.65E+00	1.23E+01	5.30E+00	4.14E-01	2.06E+01	2.61E+00	5.32E-04	5.81E-02	1.21E-02	2.68E+00	3.17E+00	1.23E+01	5.30E+00	4.14E-01	2.12E+01
5485	489375.14	3859164.55	16.2294	15.5902	27.514	5.63182	2.65E+00	1.21E+01	5.34E+00	4.15E-01	2.05E+01	2.62E+00	5.24E-04	5.85E-02	1.21E-02	2.69E+00	3.18E+00	1.21E+01	5.34E+00	4.15E-01	2.10E+01
5486	489409.3	3859114.5	15.2165	15.0358	28.053	5.29893	2.49E+00	1.17E+01	5.44E+00	3.90E-01	2.00E+01	2.45E+00	5.05E-04	5.96E-02	1.14E-02	2.52E+00	2.98E+00	1.17E+01	5.44E+00	3.90E-01	2.05E+01

5487	489434.87	3859131.81	15.3483	14.8679	28.055	5.40455	2.51E+00	1.15E+01	5.44E+00	3.98E-01	1.99E+01	2.47E+00	4.99E-04	5.97E-02	1.16E-02	2.54E+00	3.00E+00	1.15E+01	5.44E+00	3.98E-01	2.04E+01
5488	489471.87	3859075.75	15.8381	14.1513	29.808	4.91779	2.59E+00	1.10E+01	5.78E+00	3.62E-01	1.97E+01	2.55E+00	4.75E-04	6.34E-02	1.06E-02	2.63E+00	3.10E+00	1.10E+01	5.78E+00	3.62E-01	2.02E+01
5489	489602.62	3859164.69	16.4771	13.782	28.809	5.11723	2.69E+00	1.07E+01	5.59E+00	3.77E-01	1.93E+01	2.65E+00	4.63E-04	6.13E-02	1.10E-02	2.73E+00	3.22E+00	1.07E+01	5.59E+00	3.77E-01	1.99E+01
5490	489558.29	3859232.45	15.8966	14.4976	27.656	5.28754	2.60E+00	1.12E+01	5.36E+00	3.89E-01	1.96E+01	2.56E+00	4.87E-04	5.88E-02	1.14E-02	2.63E+00	3.11E+00	1.12E+01	5.36E+00	3.89E-01	2.01E+01
5491	489620.11	3859273.56	16.0133	14.3578	27.325	5.14964	2.62E+00	1.11E+01	5.30E+00	3.79E-01	1.94E+01	2.58E+00	4.82E-04	5.81E-02	1.11E-02	2.65E+00	3.13E+00	1.11E+01	5.30E+00	3.79E-01	1.99E+01
5492	489666.06	3859206.42	16.6606	13.6511	28.46	4.88237	2.73E+00	1.06E+01	5.52E+00	3.59E-01	1.92E+01	2.68E+00	4.59E-04	6.05E-02	1.05E-02	2.76E+00	3.26E+00	1.06E+01	5.52E+00	3.59E-01	1.97E+01
5493	489787.9	3859285.65	16.8232	13.3512	27.865	5.34073	2.75E+00	1.04E+01	5.40E+00	3.93E-01	1.89E+01	2.71E+00	4.48E-04	5.92E-02	1.15E-02	2.78E+00	3.29E+00	1.04E+01	5.40E+00	3.93E-01	1.94E+01
5494	489752.17	3859343.13	16.237	13.796	27.137	5.41119	2.66E+00	1.07E+01	5.26E+00	3.98E-01	1.90E+01	2.62E+00	4.63E-04	5.77E-02	1.16E-02	2.69E+00	3.18E+00	1.07E+01	5.26E+00	3.98E-01	1.95E+01
5495	489814.94	3859385.33	16.2524	13.5362	26.972	5.5848	2.66E+00	1.05E+01	5.23E+00	4.11E-01	1.88E+01	2.62E+00	4.55E-04	5.73E-02	1.20E-02	2.69E+00	3.18E+00	1.05E+01	5.23E+00	4.11E-01	1.93E+01
5496	489853.42	3859330.74	16.802	13.1974	27.531	5.48683	2.75E+00	1.02E+01	5.34E+00	4.04E-01	1.87E+01	2.71E+00	4.43E-04	5.85E-02	1.18E-02	2.78E+00	3.29E+00	1.02E+01	5.34E+00	4.04E-01	1.93E+01
5497	489969.5	3859401.91	16.7063	12.8122	26.93	5.57605	2.73E+00	9.94E+00	5.22E+00	4.11E-01	1.83E+01	2.69E+00	4.30E-04	5.73E-02	1.20E-02	2.76E+00	3.27E+00	9.94E+00	5.22E+00	4.11E-01	1.88E+01
5498	490166.91	3859486.96	16.4328	12.1182	25.545	5.18556	2.69E+00	9.40E+00	4.95E+00	3.82E-01	1.74E+01	2.65E+00	4.07E-04	5.43E-02	1.12E-02	2.71E+00	3.22E+00	9.40E+00	4.95E+00	3.82E-01	1.80E+01
5499	490128.86	3859571.46	16.0108	12.3964	25.424	5.20222	2.62E+00	9.62E+00	4.93E+00	3.83E-01	1.75E+01	2.58E+00	4.16E-04	5.41E-02	1.12E-02	2.65E+00	3.13E+00	9.62E+00	4.93E+00	3.83E-01	1.81E+01
5500	490186.65	3859593.65	15.9864	12.1634	25.203	5.14761	2.61E+00	9.44E+00	4.89E+00	3.79E-01	1.73E+01	2.58E+00	4.09E-04	5.36E-02	1.11E-02	2.64E+00	3.13E+00	9.44E+00	4.89E+00	3.79E-01	1.78E+01
5501	490223.74	3859517.48	16.2883	11.8925	25.188	5.16014	2.66E+00	9.22E+00	4.88E+00	3.80E-01	1.72E+01	2.62E+00	3.99E-04	5.36E-02	1.11E-02	2.69E+00	3.19E+00	9.23E+00	4.88E+00	3.80E-01	1.77E+01
5502	490846.34	3859817.22	15.8879	9.68957	22.089	5.19716	2.60E+00	7.52E+00	4.28E+00	3.83E-01	1.48E+01	2.56E+00	3.25E-04	4.70E-02	1.12E-02	2.62E+00	3.11E+00	7.52E+00	4.28E+00	3.83E-01	1.53E+01
5503	490925.65	3859844.59	15.7628	9.45695	21.64	5.20576	2.58E+00	7.34E+00	4.20E+00	3.83E-01	1.45E+01	2.54E+00	3.18E-04	4.60E-02	1.12E-02	2.60E+00	3.08E+00	7.34E+00	4.20E+00	3.83E-01	1.50E+01
5504	491159.29	3859896.28	14.8251	9.13576	20.004	5.08565	2.42E+00	7.09E+00	3.88E+00	3.74E-01	1.38E+01	2.39E+00	3.07E-04	4.25E-02	1.09E-02	2.44E+00	2.90E+00	7.09E+00	3.88E+00	3.74E-01	1.42E+01
5505	491370.69	3859960.89	14.4673	8.80662	19.084	4.95913	2.37E+00	6.83E+00	3.70E+00	3.65E-01	1.33E+01	2.33E+00	2.96E-04	4.06E-02	1.07E-02	2.38E+00	2.83E+00	6.83E+00	3.70E+00	3.65E-01	1.37E+01
5506	491330.28	3860063.17	13.9699	8.78075	18.46	5.15978	2.28E+00	6.81E+00	3.58E+00	3.80E-01	1.31E+01	2.25E+00	2.95E-04	3.92E-02	1.11E-02	2.30E+00	2.73E+00	6.81E+00	3.58E+00	3.80E-01	1.35E+01
5507	491636.45	3860180.75	13.3528	8.18961	17.724	4.75597	2.18E+00	6.35E+00	3.44E+00	3.50E-01	1.23E+01	2.15E+00	2.75E-04	3.77E-02	1.02E-02	2.20E+00	2.61E+00	6.35E+00	3.44E+00	3.50E-01	1.28E+01
5508	491617.94	3860203.93	13.1939	8.22041	17.631	4.74147	2.16E+00	6.38E+00	3.42E+00	3.49E-01	1.23E+01	2.13E+00	2.76E-04	3.75E-02	1.02E-02	2.17E+00	2.58E+00	6.38E+00	3.42E+00	3.49E-01	1.27E+01
5509	491805.68	3860271.59	13.0193	7.91142	17.13	4.46915	2.13E+00	6.14E+00	3.32E+00	3.29E-01	1.19E+01	2.10E+00	2.66E-04	3.64E-02	9.62E-03	2.14E+00	2.55E+00	6.14E+00	3.32E+00	3.29E-01	1.23E+01
5510	491654.23	3860414.02	11.6991	8.80216	17.555	4.06224	1.91E+00	6.83E+00	3.40E+00	2.99E-01	1.24E+01	1.89E+00	2.96E-04	3.73E-02	8.74E-03	1.93E+00	2.29E+00	6.83E+00	3.40E+00	2.99E-01	1.28E+01
5511	491592.62	3860510.76	12.4725	9.60061	17.369	3.89799	2.04E+00	7.45E+00	3.37E+00	2.87E-01	1.31E+01	2.01E+00	3.22E-04	3.69E-02	8.39E-03	2.06E+00	2.44E+00	7.45E+00	3.37E+00	2.87E-01	1.35E+01
5512	491475.41	3860368.93	12.8084	9.20906	17.802	4.17489	2.09E+00	7.14E+00	3.45E+00	3.07E-01	1.30E+01	2.06E+00	3.09E-04	3.79E-02	8.99E-03	2.11E+00	2.51E+00	7.14E+00	3.45E+00	3.07E-01	1.34E+01
5513	491445.61	3860337.28	12.8484	9.17122	17.903	4.31726	2.10E+00	7.11E+00	3.47E+00	3.18E-01	1.30E+01	2.07E+00	3.08E-04	3.81E-02	9.29E-03	2.12E+00	2.51E+00	7.11E+00	3.47E+00	3.18E-01	1.34E+01
5514	491399.05	3860300.37	12.9598	9.18668	18.112	4.50645	2.12E+00	7.13E+00	3.51E+00	3.32E-01	1.31E+01	2.09E+00	3.09E-04	3.85E-02	9.70E-03	2.14E+00	2.54E+00	7.13E+00	3.51E+00	3.32E-01	1.35E+01
5515	491228.84	3860235.98	13.2581	9.56696	18.777	4.86258	2.17E+00	7.42E+00	3.64E+00	3.58E-01	1.36E+01	2.14E+00	3.21E-04	3.99E-02	1.05E-02	2.19E+00	2.59E+00	7.42E+00	3.64E+00	3.58E-01	1.40E+01
5516	491228.47	3860174.57	13.3947	9.2468	18.836	5.06876	2.19E+00	7.17E+00	3.65E+00	3.73E-01	1.34E+01	2.16E+00	3.11E-04	4.00E-02	1.09E-02	2.21E+00	2.62E+00	7.17E+00	3.65E+00	3.73E-01	1.38E+01
5517	491145.77	3860112.55	13.5968	9.32517	19.355	5.44016	2.22E+00	7.23E+00	3.75E+00	4.01E-01	1.36E+01	2.19E+00	3.13E-04	4.12E-02	1.17E-02	2.24E+00	2.66E+00	7.23E+00	3.75E+00	4.01E-01	1.40E+01
5518	490844.41	3859966.22	13.887	9.96291	21.604	5.89307	2.27E+00	7.73E+00	4.19E+00	4.34E-01	1.46E+01	2.24E+00	3.35E-04	4.59E-02	1.27E-02	2.30E+00	2.72E+00	7.73E+00	4.19E+00	4.34E-01	1.51E+01
5519	490845.55	3859928.15	13.7238	9.86725	21.632	5.59492	2.24E+00	7.65E+00	4.19E+00	4.12E-01	1.45E+01	2.21E+00	3.31E-04	4.60E-02	1.20E-02	2.27E+00	2.69E+00	7.65E+00	4.19E+00	4.12E-01	1.49E+01
5520	490046.91	3859625.6	14.4701	12.6091	25.855	5.22869	2.37E+00	9.78E+00	5.01E+00	3.85E-01	1.75E+01	2.33E+00	4.24E-04	5.50E-02	1.13E-02	2.40E+00	2.83E+00	9.78E+00	5.01E+00	3.85E-01	1.80E+01
5521	489970.48	3859589.4	14.5412	12.9776	26.408	5.30611	2.38E+00	1.01E+01	5.12E+00	3.91E-01	1.80E+01	2.34E+00	4.36E-04	5.61E-02	1.14E-02	2.41E+00	2.85E+00	1.01E+01	5.12E+00	3.91E-01	1.84E+01
5522	489865.89	3859529.06	14.5392	13.3879	27.161	5.54447	2.38E+00	1.04E+01	5.27E+00	4.08E-01	1.84E+01	2.34E+00	4.50E-04	5.77E-02	1.19E-02	2.41E+00	2.85E+00	1.04E+01	5.27E+00	4.08E-01	1.89E+01
5523	489826.89	3859531.74	14.8633	13.5625	27.618	5.6304	2.43E+00	1.05E+01	5.36E+00	4.15E-01	1.87E+01	2.39E+00	4.56E-04	5.87E-02	1.21E-02	2.47E+00	2.91E+00	1.05E+01	5.36E+00	4.15E-01	1.92E+01
5524	489410.47	3859303.06	15.2786	16.0278	26.145	5.67699	2.50E+00	1.24E+01	5.07E+00	4.18E-01	2.04E+01	2.46E+00	5.38E-04	5.56E-02	1.22E-02	2.53E+00	2.99E+00	1.24E+01	5.07E+00	4.18E-01	2.09E+01
5525	489407.15	3859286.09	15.0424	16.0082	26.477	5.71481	2.46E+00	1.24E+01	5.13E+00	4.21E-01	2.04E+01	2.42E+00	5.38E-04	5.63E-02	1.23E-02	2.49E+00	2.94E+00	1.24E+01	5.13E+00	4.21E-01	2.09E+01
5526	488806.07	3858963.62	18.3535	21.6022	27.41	7.9064	3.00E+00	1.68E+01	5.31E+00	5.82E-01	2.57E+01	2.96E+00	7.26E-04	5.83E-02	1.70E-02	3.03E+00	3.59E+00	1.68E+01	5.31E+00	5.82E-01	2.62E+01
5527	488817.64	3859546.3	17.5679	33.2871	18.419	9.50843	2.87E+00	2.58E+01	3.57E+00	7.00E-01	3.30E+01	2.83E+00	1.12E-03	3.92E-02	2.05E-02	2.89E+00	3.44E+00	2.58E+01	3.57E+00	7.00E-01	3.35E+01
5528	489187.25	3859549.52	17.6483	23.0891	20.357	7.04068	2.89E+00	1.79E+01	3.95E+00	5.18E-01	2.53E+01	2.84E+00	7.76E-04	4.33E-02	1.52E-02	2.90E+00	3.45E+00	1.79E+01	3.95E+00	5.18E-01	2.58E+01
5529	489187.66	3859523.74	17.6609	22.8382	20.413	6.66225	2.89E+00	1.77E+01	3.96E+00	4.91E-01	2.51E+01	2.85E+00	7.67E-04	4.34E-02	1.43E-02	2.90E+00	3.46E+00	1.77E+01	3.96E+00	4.91E-01	2.56E+01
5530	489232.59	3859522.85	14.8768	22.0115	19.844	6.48086	2.43E+00	1.71E+01	3.85E+00	4.77E-01	2.38E+01	2.40E+00	7.39E-04	4.22E-02	1.40E-02	2.45E+00	2.91E+00	1.71E+01	3.85E+00	4.77E-01	2.43E+01
5531	489224.98	3859759.91	16.8295	23.3421	18.841	6.74891	2.75E+00	1.81E+01	3.65E+00	4.97E-01	2.50E+01	2.71E+00	7.84E-04	4.01E-02	1.45E-02	2.77E+00	3.29E+00	1.81E+01	3.65E+00	4.97E-01	2.56E+01
5532	488401.39	3859763.34	17.3162	33.9176	12.029	12.4145	2.83E+00	2.63E+01	2.33E+00	9.14E-01	3.24E+01	2.79E+00	1.14E-03	2.56E-02	2.67E-02	2.84E+00	3.39E+00	2.63E+01	2.33E+00	9.14E-01	3.29E+01
5533	488405.51	3859966.16	17.0393	34.147	13.148	14.77818	2.79E+00	2.65E+01	2.55E+00	1.09E+00	3.29E+01	2.75E+00	1.15E-03	2.80E-02	3.18E-02	2.81E+00	3.33E+00	2.65E+01	2.55E+00	1.09E+00	3.35E+01
5534	489202.85	3859956.57	16.8104	20.074	16.52	14.50144	2.75E+00	1.56E+01	3.20E+00	1.07E+00	2.26E+01	2.71E+00	6.74E-04	3.51E-02	3.12E-02	2.78E+00	3.29E+00	1.56E+01	3.20E+00	1.07E+00	2.31E+01
5535	489191.9	3860676.74	14.6484	30.9185	12.505	10.09577	2.40E+00	2.40E+01	2.42E+00	7.43E-01	2.95E+01	2.36E+00	1.04E-03	2.66E-02	2.17E-02	2.41E+00	2.87E+00	2.40E+01	2.42E+00	7.43E-01	3.00E+01
5536	488392.82	3860687.88	14.627	27.8047	14.987	8.07757	2.39E+00	2.16E+01	2.91E+00	5.95E-01	2.75E+01	2.36E+00	9.34E-04	3.19E-02	1.74E-02	2.41E+00	2.86E+00	2.16E+01	2.91E+00	5.95E-01	2.79E+01
5537	488392.82	3860760.27	14.1351	25.5471	15.192	7.86628	2.31E+00	1.98E+01	2.95E+00	5.79E-01	2.57E+01	2.28E+00	8.58E-04	3.23E-02	1.69E-02	2.33E+00	2.77E+00	1.98E+01	2.95E+00	5.79E-01	2.61E+01
5538	487549.05	3860777.45	10.1595	16.162	17.496	8.55601	1.66E+00	1.25E+01	3.39E+00	6.30E-01	1.82E+01	1.64E+00	5.43E-04	3.72E-02	1.84E-02	1.69E+00	1.99E+00	1.25E+01	3.39E+00	6.30E-01	1.85E+01
5539	487554.62	3859571.83	15.4615	27.8648	10.197	14.5233	2.53E+00	2.16E+01	1.98E+00	1.07E+00	2.72E+01	2.49E+00	9.36E-04	2.17E-02	3.13E-02	2.55E+00	3.03E+00	2.16E+01	1.98E+00	1.07E+00	2.77E+01
5540	485949.46	3859558.54	9.32076	12.1801	25.941	6.25847	1.52E+00	9.45E+00	5.03E+00	4.61E-01	1.65E+01	1.50E+00	4.09E-04	5.52E-02	1.35E-02	1.57E+00	1.82E+00	9.45E+00	5.03E+00	4.61E-01	1.68E+01
5541	485947.55	3857943.61	14.9673	26.0678	26.278	5.00772	2.45E+00	2.02E+01	5.10E+00	3.69E-01	2.81E+01	2.41E+00	8.76E-04	5.59E-02	1.08E-02	2.48E+00	2.93E+00	2.02E+01	5.10E+00	3.69E-01	2.86E+01
5542	484738.38	3857940.21	10.2295	16.0368	20.063	5.84961	1.67E+00	1.24E+01	3.89E+00	4.31E-01	1.84E+01	1.65E+00	5.39E-04	4.27E-02	1.26E-02	1.70E+00	2.00E+00	1.24E+01	3.89E+00	4.31E-01	1.88E+01
5543	484737.06	3857535.68	11.3265	21.16	19.777	7.8149	1.85E+00	1.64E+01	3.83E+00	5.75E-01	2.27E+01	1.83E+00	7.11E-04	4.20E-02	1.68E-02	1.88E+00	2.22E+00	1.64E+01	3.83E+00	5.75E-01	2.30E+01
5544	483730.2	3857530.13	10.0553	10.6219	15.9	13.77992	1.64E+00	8.24E+00	3.08E+00	1.01E+00	1.40E+01	1.62E+00	3.57E-04	3.38E-02	2.97E-02	1.68E+00	1.97E+00	8.24E+00	3.08E+00	1.01E+00	1.43E+01
5545	483727.27	3857130.01	11.4342	17.4558	21.561	12.62534	1.87E+00	1.35E+01	4.18E+00	9.30E-01	2.05E+01	1.84E+00	5.86E-04	4.58E-02	2.72E-02	1.92E+00	2.24E+00	1.35E+01	4.18E+00	9.30E-01	2.09E+01
5546	483124.42	3857123.45	10.5548	11.1402	18.385	7.57979	1.73E+00	8.64E+00	3.57E+00	5.58E-01	1.45E+01	1.70E+00	3.74E-04	3.91E-02	1.63E-02	1.76E+00	2.07E+00	8.64E+00	3.57E+00	5.58E-01	1.48E+01
5547	483111.13	3855921.03	15.5251	31.9798	13.695	7.7183	2.54E+00	2.48E+01	2.66E+00	5.68E-01	3.06E+01	2.50E+00	1.07E-03	2.91E-02	1.66E-02	2.55E+00	3.04E+00	2.48E+01	2.66E+00	5.68E-01	3.11E+01

5548	482701.73	3855918.24	14.0971	24.682	14.167	6.95532	2.31E+00	1.91E+01	2.75E+00	5.12E-01	2.47E+01	2.27E+00	8.29E-04	3.01E-02	1.50E-02	2.32E+00	2.76E+00	1.91E+01	2.75E+00	5.12E-01	2.52E+01
5549	482668.02	3853521.78	21.4279	7.79344	7.9553	5.11452	3.50E+00	6.05E+00	1.54E+00	3.77E-01	1.15E+01	3.45E+00	2.62E-04	1.69E-02	1.10E-02	3.48E+00	4.19E+00	6.05E+00	1.54E+00	3.77E-01	1.22E+01
5550	482579.91	3853219.19	22.3974	7.6125	7.7912	4.33592	3.66E+00	5.91E+00	1.51E+00	3.19E-01	1.14E+01	3.61E+00	2.56E-04	1.66E-02	9.33E-03	3.64E+00	4.38E+00	5.91E+00	1.51E+00	3.19E-01	1.21E+01
5551	482434.06	3852961.94	22.3957	7.18589	7.4487	3.70231	3.66E+00	5.57E+00	1.44E+00	2.73E-01	1.10E+01	3.61E+00	2.41E-04	1.58E-02	7.97E-03	3.63E+00	4.38E+00	5.57E+00	1.44E+00	2.73E-01	1.17E+01
5552	482332.11	3852832.85	21.9878	6.92061	7.2748	3.24101	3.60E+00	5.37E+00	1.41E+00	2.39E-01	1.06E+01	3.54E+00	2.32E-04	1.55E-02	6.98E-03	3.57E+00	4.30E+00	5.37E+00	1.41E+00	2.39E-01	1.13E+01
5553	481334.99	3851818.96	18.1106	5.66232	6.2069	2.55982	2.96E+00	4.39E+00	1.20E+00	1.88E-01	8.75E+00	2.92E+00	1.90E-04	1.32E-02	5.51E-03	2.94E+00	3.54E+00	4.39E+00	1.20E+00	1.88E-01	9.33E+00
5554	481127.62	3851646.36	17.757	5.56908	6.0887	2.43305	2.90E+00	4.32E+00	1.18E+00	1.79E-01	8.58E+00	2.86E+00	1.87E-04	1.29E-02	5.24E-03	2.88E+00	3.47E+00	4.32E+00	1.18E+00	1.79E-01	9.15E+00
5555	481025.04	3851591.73	17.6533	5.81728	6.0862	2.37638	2.89E+00	4.51E+00	1.18E+00	1.75E-01	8.75E+00	2.84E+00	1.95E-04	1.29E-02	5.12E-03	2.86E+00	3.45E+00	4.51E+00	1.18E+00	1.75E-01	9.32E+00
5556	480513.6	3851335.76	15.5168	6.16147	6.0198	2.36575	2.54E+00	4.78E+00	1.17E+00	1.74E-01	8.66E+00	2.50E+00	2.07E-04	1.28E-02	5.09E-03	2.52E+00	3.04E+00	4.78E+00	1.17E+00	1.74E-01	9.16E+00
5557	480523.56	3851317.66	15.6251	6.07521	5.998	2.37217	2.56E+00	4.71E+00	1.16E+00	1.75E-01	8.61E+00	2.52E+00	2.04E-04	1.28E-02	5.11E-03	2.54E+00	3.06E+00	4.71E+00	1.16E+00	1.75E-01	9.11E+00
5558	476921.56	3849569.11	9.08706	6.40673	3.8058	2.29348	1.49E+00	4.97E+00	7.38E-01	1.69E-01	7.36E+00	1.46E+00	2.15E-04	8.09E-03	4.94E-03	1.48E+00	1.78E+00	4.97E+00	7.38E-01	1.69E-01	7.65E+00
5559	476521.19	3849373.96	9.44263	5.53557	3.622	2.27621	1.54E+00	4.29E+00	7.02E-01	1.68E-01	6.71E+00	1.52E+00	1.86E-04	7.70E-03	4.90E-03	1.53E+00	1.85E+00	4.29E+00	7.02E-01	1.68E-01	7.01E+00
5560	476391.45	3849333.38	9.4063	5.47603	3.5558	2.27125	1.54E+00	4.25E+00	6.89E-01	1.67E-01	6.64E+00	1.52E+00	1.84E-04	7.56E-03	4.89E-03	1.53E+00	1.84E+00	4.25E+00	6.89E-01	1.67E-01	6.95E+00
5561	476219.41	3849304.29	9.37765	5.41328	3.4593	2.27392	1.53E+00	4.20E+00	6.71E-01	1.67E-01	6.57E+00	1.51E+00	1.82E-04	7.36E-03	4.90E-03	1.52E+00	1.84E+00	4.20E+00	6.71E-01	1.67E-01	6.87E+00
5562	475679.11	3849218.47	8.26324	4.37995	3.2262	2.2891	1.35E+00	3.40E+00	6.26E-01	1.69E-01	5.54E+00	1.33E+00	1.47E-04	6.86E-03	4.93E-03	1.34E+00	1.62E+00	3.40E+00	6.26E-01	1.69E-01	5.81E+00
5563	475677.71	3849233.88	8.23354	4.41103	3.2335	2.29154	1.35E+00	3.42E+00	6.27E-01	1.69E-01	5.56E+00	1.33E+00	1.48E-04	6.87E-03	4.93E-03	1.34E+00	1.61E+00	3.42E+00	6.27E-01	1.69E-01	5.83E+00
5564	475492.74	3849204.66	7.84769	3.57016	3.2041	2.26874	1.28E+00	2.77E+00	6.21E-01	1.67E-01	4.84E+00	1.26E+00	1.20E-04	6.81E-03	4.88E-03	1.28E+00	1.54E+00	2.77E+00	6.21E-01	1.67E-01	5.09E+00
5565	475497.64	3849158.75	7.75679	3.82732	3.1918	2.26649	1.27E+00	2.97E+00	6.19E-01	1.67E-01	5.02E+00	1.25E+00	1.29E-04	6.79E-03	4.88E-03	1.26E+00	1.52E+00	2.97E+00	6.19E-01	1.67E-01	5.27E+00
5566	475391.35	3849141.94	8.04423	4.10208	3.196	2.25083	1.32E+00	3.18E+00	6.20E-01	1.66E-01	5.28E+00	1.30E+00	1.38E-04	6.80E-03	4.85E-03	1.31E+00	1.57E+00	3.18E+00	6.20E-01	1.66E-01	5.54E+00
5567	475277	3849095.47	8.22314	4.13568	3.1896	2.23025	1.34E+00	3.21E+00	6.18E-01	1.64E-01	5.34E+00	1.33E+00	1.39E-04	6.78E-03	4.80E-03	1.34E+00	1.61E+00	3.21E+00	6.18E-01	1.64E-01	5.60E+00
5568	475183.93	3849025.66	8.0686	4.07098	3.1623	2.21357	1.32E+00	3.16E+00	6.13E-01	1.63E-01	5.25E+00	1.30E+00	1.37E-04	6.72E-03	4.77E-03	1.31E+00	1.58E+00	3.16E+00	6.13E-01	1.63E-01	5.51E+00
5569	474453.23	3848378.77	6.79309	3.74391	2.927	2.09155	1.11E+00	2.90E+00	5.68E-01	1.54E-01	4.74E+00	1.09E+00	1.26E-04	6.22E-03	4.50E-03	1.11E+00	1.33E+00	2.90E+00	5.68E-01	1.54E-01	4.96E+00
5570	474569.63	3848399.34	7.42203	3.66774	2.9286	2.10636	1.21E+00	2.85E+00	5.68E-01	1.55E-01	4.78E+00	1.20E+00	1.23E-04	6.23E-03	4.53E-03	1.21E+00	1.45E+00	2.85E+00	5.68E-01	1.55E-01	5.02E+00
5571	474644.33	3848464.52	7.35626	3.72652	2.951	2.11873	1.20E+00	2.89E+00	5.72E-01	1.56E-01	4.82E+00	1.19E+00	1.25E-04	6.27E-03	4.56E-03	1.20E+00	1.44E+00	2.89E+00	5.72E-01	1.56E-01	5.06E+00
5572	474719.04	3848529.7	7.28002	3.76533	2.9731	2.13124	1.19E+00	2.92E+00	5.77E-01	1.57E-01	4.84E+00	1.17E+00	1.26E-04	6.32E-03	4.59E-03	1.18E+00	1.42E+00	2.92E+00	5.77E-01	1.57E-01	5.08E+00
5573	474793.74	3848594.88	7.25712	3.74945	2.9941	2.14387	1.19E+00	2.91E+00	5.81E-01	1.58E-01	4.83E+00	1.17E+00	1.26E-04	6.37E-03	4.62E-03	1.18E+00	1.42E+00	2.91E+00	5.81E-01	1.58E-01	5.07E+00
5574	474868.45	3848660.07	7.23644	3.69063	3.0142	2.15663	1.18E+00	2.86E+00	5.84E-01	1.59E-01	4.79E+00	1.17E+00	1.24E-04	6.41E-03	4.64E-03	1.18E+00	1.42E+00	2.86E+00	5.84E-01	1.59E-01	5.02E+00
5575	474943.15	3848725.25	7.26831	3.68261	3.036	2.16952	1.19E+00	2.86E+00	5.89E-01	1.60E-01	4.79E+00	1.17E+00	1.24E-04	6.46E-03	4.67E-03	1.18E+00	1.42E+00	2.86E+00	5.89E-01	1.60E-01	5.03E+00
5576	475017.86	3848790.43	7.36275	3.7498	3.0599	2.18257	1.20E+00	2.91E+00	5.93E-01	1.61E-01	4.87E+00	1.19E+00	1.26E-04	6.51E-03	4.70E-03	1.20E+00	1.44E+00	2.91E+00	5.93E-01	1.61E-01	5.10E+00
5577	475092.56	3848855.61	7.45538	3.84877	3.085	2.19576	1.22E+00	2.99E+00	5.98E-01	1.62E-01	4.96E+00	1.20E+00	1.29E-04	6.56E-03	4.73E-03	1.21E+00	1.46E+00	2.99E+00	5.98E-01	1.62E-01	5.20E+00
5578	475232.58	3848959.38	7.59496	3.96128	3.1239	2.21972	1.24E+00	3.07E+00	6.06E-01	1.63E-01	5.08E+00	1.22E+00	1.33E-04	6.64E-03	4.78E-03	1.24E+00	1.49E+00	3.07E+00	6.06E-01	1.63E-01	5.33E+00
5579	475368.47	3849029.98	7.76306	3.93841	3.1472	2.24057	1.27E+00	3.06E+00	6.10E-01	1.65E-01	5.10E+00	1.25E+00	1.32E-04	6.69E-03	4.82E-03	1.26E+00	1.52E+00	3.06E+00	6.10E-01	1.65E-01	5.35E+00
5580	475609.57	3849096.09	8.58084	3.9123	3.1717	2.26313	1.40E+00	3.03E+00	6.15E-01	1.67E-01	5.22E+00	1.38E+00	1.31E-04	6.74E-03	4.87E-03	1.39E+00	1.68E+00	3.03E+00	6.15E-01	1.67E-01	5.50E+00
5581	475680.68	3849116.62	8.89897	4.16142	3.2063	2.26723	1.46E+00	3.23E+00	6.22E-01	1.67E-01	5.47E+00	1.43E+00	1.40E-04	6.82E-03	4.88E-03	1.45E+00	1.74E+00	3.23E+00	6.22E-01	1.67E-01	5.76E+00
5582	475843.76	3849151.52	9.44713	4.52603	3.2893	2.26826	1.55E+00	3.51E+00	6.38E-01	1.67E-01	5.86E+00	1.52E+00	1.52E-04	6.99E-03	4.88E-03	1.53E+00	1.85E+00	3.51E+00	6.38E-01	1.67E-01	6.16E+00
5583	475935.73	3849165.89	9.40521	4.90862	3.3414	2.26408	1.54E+00	3.81E+00	6.48E-01	1.67E-01	6.16E+00	1.52E+00	1.65E-04	7.10E-03	4.87E-03	1.53E+00	1.84E+00	3.81E+00	6.48E-01	1.67E-01	6.46E+00
5584	476027.71	3849180.27	9.22631	5.18658	3.3934	2.25565	1.51E+00	4.02E+00	6.58E-01	1.66E-01	6.36E+00	1.49E+00	1.74E-04	7.21E-03	4.86E-03	1.50E+00	1.81E+00	4.02E+00	6.58E-01	1.66E-01	6.65E+00
5585	476119.68	3849194.64	9.47234	4.99741	3.4407	2.24221	1.55E+00	3.88E+00	6.67E-01	1.65E-01	6.26E+00	1.53E+00	1.68E-04	7.32E-03	4.83E-03	1.54E+00	1.85E+00	3.88E+00	6.67E-01	1.65E-01	6.56E+00
5586	476211.65	3849209.01	9.45567	4.98726	3.4915	2.24374	1.55E+00	3.87E+00	6.77E-01	1.65E-01	6.26E+00	1.52E+00	1.68E-04	7.42E-03	4.83E-03	1.54E+00	1.85E+00	3.87E+00	6.77E-01	1.65E-01	6.56E+00
5587	476497.8	3849283.9	9.15477	5.12883	3.6434	2.24739	1.50E+00	3.98E+00	7.06E-01	1.65E-01	6.35E+00	1.48E+00	1.72E-04	7.75E-03	4.84E-03	1.49E+00	1.79E+00	3.98E+00	7.06E-01	1.65E-01	6.64E+00
5588	476603.73	3849323.77	8.93092	5.39354	3.6964	2.24647	1.46E+00	4.18E+00	7.17E-01	1.65E-01	6.53E+00	1.44E+00	1.81E-04	7.86E-03	4.84E-03	1.45E+00	1.75E+00	4.18E+00	7.17E-01	1.65E-01	6.81E+00
5589	476728.99	3849382.76	8.98641	5.66077	3.7542	2.24748	1.47E+00	4.39E+00	7.28E-01	1.65E-01	6.75E+00	1.45E+00	1.90E-04	7.98E-03	4.84E-03	1.46E+00	1.76E+00	4.39E+00	7.28E-01	1.65E-01	7.04E+00
5590	476801.27	3849418.65	9.10486	5.81189	3.7873	2.24774	1.49E+00	4.51E+00	7.34E-01	1.65E-01	6.90E+00	1.47E+00	1.95E-04	8.05E-03	4.84E-03	1.48E+00	1.78E+00	4.51E+00	7.34E-01	1.65E-01	7.19E+00
5591	476956.2	3849495.05	9.25395	6.05323	3.8595	2.24519	1.51E+00	4.70E+00	7.48E-01	1.65E-01	7.12E+00	1.49E+00	2.03E-04	8.21E-03	4.83E-03	1.50E+00	1.81E+00	4.70E+00	7.48E-01	1.65E-01	7.42E+00
5592	477038.84	3849535.56	9.44651	6.10636	3.9171	2.24209	1.55E+00	4.74E+00	7.60E-01	1.65E-01	7.21E+00	1.52E+00	2.05E-04	8.33E-03	4.83E-03	1.54E+00	1.85E+00	4.74E+00	7.60E-01	1.65E-01	7.51E+00
5593	477121.48	3849576.08	9.56523	6.30186	3.9753	2.23777	1.56E+00	4.89E+00	7.71E-01	1.65E-01	7.39E+00	1.54E+00	2.12E-04	8.45E-03	4.82E-03	1.55E+00	1.87E+00	4.89E+00	7.71E-01	1.65E-01	7.70E+00
5594	477204.13	3849616.6	9.75227	6.35182	4.0336	2.23227	1.60E+00	4.93E+00	7.82E-01	1.64E-01	7.47E+00	1.57E+00	2.13E-04	8.58E-03	4.81E-03	1.58E+00	1.91E+00	4.93E+00	7.82E-01	1.64E-01	7.78E+00
5595	477286.78	3849657.12	10.2223	6.04153	4.0913	2.22562	1.67E+00	4.69E+00	7.93E-01	1.64E-01	7.32E+00	1.65E+00	2.03E-04	8.70E-03	4.79E-03	1.66E+00	2.00E+00	4.69E+00	7.93E-01	1.64E-01	7.64E+00
5596	477369.42	3849697.63	10.075	6.60911	4.1515	2.21754	1.65E+00	5.13E+00	8.05E-01	1.63E-01	7.74E+00	1.62E+00	2.22E-04	8.83E-03	4.77E-03	1.64E+00	1.97E+00	5.13E+00	8.05E-01	1.63E-01	8.07E+00
5597	477452.07	3849738.15	10.2777	6.69088	4.2105	2.20833	1.68E+00	5.19E+00	8.16E-01	1.63E-01	7.85E+00	1.66E+00	2.25E-04	8.95E-03	4.75E-03	1.67E+00	2.01E+00	5.19E+00	8.16E-01	1.63E-01	8.18E+00
5598	477534.71	3849778.67	10.1525	7.08966	4.2707	2.19779	1.66E+00	5.50E+00	8.28E-01	1.62E-01	8.15E+00	1.64E+00	2.38E-04	9.08E-03	4.73E-03	1.65E+00	1.99E+00	5.50E+00	8.28E-01	1.62E-01	8.48E+00
5599	477617.35	3849819.18	10.3125	7.10361	4.3301	2.18605	1.69E+00	5.51E+00	8.40E-01	1.61E-01	8.20E+00	1.66E+00	2.39E-04	9.21E-03	4.71E-03	1.68E+00	2.02E+00	5.51E+00	8.40E-01	1.61E-01	8.53E+00
5600	477824.74	3849896.37	10.3139	7.10761	4.5066	2.12921	1.69E+00	5.51E+00	8.74E-01	1.57E-01	8.23E+00	1.66E+00	2.39E-04	9.58E-03	4.58E-03	1.68E+00	2.02E+00	5.51E+00	8.74E-01	1.57E-01	8.56E+00
5601	477906.31	3849936.37	10.7729	6.70764	4.5636	2.1127	1.76E+00	5.20E+00	8.85E-01	1.56E-01	8.01E+00	1.74E+00	2.25E-04	9.70E-03	4.55E-03	1.75E+00	2.11E+00	5.20E+00	8.85E-01	1.56E-01	8.35E+00
5602	477987.89	3849976.36	10.6006	6.82594	4.6218	2.09497	1.73E+00	5.29E+00	8.96E-01	1.54E-01	8.08E+00	1.71E+00	2.29E-04	9.83E-03	4.51E-03	1.72E+00	2.07E+00	5.30E+00	8.96E-01	1.54E-01	8.42E+00
5603	478069.47	3850016.36	10.7328	6.59903	4.6788	2.07608	1.76E+00	5.12E+00	9.07E-01	1.53E-01	7.93E+00	1.73E+00	2.22E-04	9.95E-03	4.47E-03	1.74E+00	2.10E+00	5.12E+00	9.07E-01	1.53E-01	8.28E+00
5604	478151.04	3850056.35	10.748	6.37743	4.7357	2.08339	1.76E+00	4.95E+00	9.18E-01	1.53E-01	7.78E+00	1.73E+00	2.14E-04	1.01E-02	4.49E-03	1.75E+00	2.10E+00	4.95E+00	9.18E-01	1.53E-01	8.12E+00
5605	478232.62	3850096.35	10.588	6.42226	4.7928	2.10765	1.73E+00	4.98E+00	9.29E-01	1.55E-01	7.80E+00	1.71E+00	2.16E-04	1.02E-02	4.54E-03	1.72E+00	2.07E+00	4.98E+00	9.29E-01	1.55E-01	8.14E+00
5606	478314.2	3850136.34	10.4497	6.48006	4.8495	2.12874	1.71E+00	5.03E+00	9.40E-01	1.57E-01	7.83E+00	1.68E+00	2.18E-04	1.03E-02	4.58E-03	1.70E+00	2.04E+00	5.03E+00	9.40E-01	1.57E-01	8.17E+00
5607	478395.77	3850176.34	10.2735	6.52134	4.9057	2.14854	1.68E+00	5.06E+00	9.51E-01	1.58E-01	7.85E+00	1.66E+00	2.19E-04	1.04E-02	4.63E-03	1.67E+00	2.01E+00	5.06E+00	9.51E-01	1.58E-01	8.18E+00
5608	478575.43	3850244.45	9.65089	6.46083	5.0404	2.20255	1.58E+00	5.01E+00	9.77E-01	1.62E-01	7.73E+00	1.56E+00	2.17E-04	1.07E-02	4.74E-03	1.57E+00	1.89E+00	5.01E+00	9.77E-01	1.62E-01	8.04E+00

5609	478665.06	3850287.29	9.72449	6.51516	5.0991	2.23311	1.59E+00	5.05E+00	9.89E-01	1.64E-01	7.80E+00	1.57E+00	2.19E-04	1.08E-02	4.81E-03	1.58E+00	1.90E+00	5.05E+00	9.89E-01	1.64E-01	8.11E+00
5610	478754.69	3850330.14	9.81954	6.65224	5.1566	2.25287	1.61E+00	5.16E+00	1.00E+00	1.66E-01	7.93E+00	1.58E+00	2.23E-04	1.10E-02	4.85E-03	1.60E+00	1.92E+00	5.16E+00	1.00E+00	1.66E-01	8.25E+00
5611	478844.32	3850372.99	9.76423	6.80307	5.2128	2.25245	1.60E+00	5.28E+00	1.01E+00	1.66E-01	8.05E+00	1.57E+00	2.29E-04	1.11E-02	4.85E-03	1.59E+00	1.91E+00	5.28E+00	1.01E+00	1.66E-01	8.36E+00
5612	478933.95	3850415.84	9.00389	6.95673	5.2674	2.2307	1.47E+00	5.40E+00	1.02E+00	1.64E-01	8.05E+00	1.45E+00	2.34E-04	1.12E-02	4.80E-03	1.47E+00	1.76E+00	5.40E+00	1.02E+00	1.64E-01	8.34E+00
5613	479023.58	3850458.68	9.69251	6.82985	5.3201	2.27835	1.59E+00	5.30E+00	1.03E+00	1.68E-01	8.08E+00	1.56E+00	2.29E-04	1.13E-02	4.90E-03	1.58E+00	1.90E+00	5.30E+00	1.03E+00	1.68E-01	8.39E+00
5614	479110.66	3850441.9	9.00761	6.73765	5.3761	2.26416	1.47E+00	5.23E+00	1.04E+00	1.67E-01	7.91E+00	1.45E+00	2.26E-04	1.14E-02	4.87E-03	1.47E+00	1.76E+00	5.23E+00	1.04E+00	1.67E-01	8.20E+00
5615	479191.22	3850423.99	9.97192	6.5108	5.4089	2.32392	1.63E+00	5.05E+00	1.05E+00	1.71E-01	7.90E+00	1.61E+00	2.19E-04	1.15E-02	5.00E-03	1.62E+00	1.95E+00	5.05E+00	1.05E+00	1.71E-01	8.22E+00
5616	479274.32	3850465.71	10.3531	6.44323	5.4436	2.36741	1.69E+00	5.00E+00	1.06E+00	1.74E-01	7.92E+00	1.67E+00	2.16E-04	1.16E-02	5.10E-03	1.69E+00	2.03E+00	5.00E+00	1.06E+00	1.74E-01	8.25E+00
5617	479357.43	3850507.42	10.7518	6.2577	5.4765	2.46685	1.76E+00	4.85E+00	1.06E+00	1.82E-01	7.86E+00	1.73E+00	2.10E-04	1.16E-02	5.31E-03	1.75E+00	2.10E+00	4.85E+00	1.06E+00	1.82E-01	8.20E+00
5618	479440.53	3850549.14	12.002	6.03902	5.5073	2.58233	1.96E+00	4.68E+00	1.07E+00	1.90E-01	7.91E+00	1.93E+00	2.03E-04	1.17E-02	5.56E-03	1.95E+00	2.35E+00	4.68E+00	1.07E+00	1.90E-01	8.29E+00
5619	479523.64	3850590.85	12.5598	5.88817	5.5361	2.65852	2.05E+00	4.57E+00	1.07E+00	1.96E-01	7.89E+00	2.02E+00	1.98E-04	1.18E-02	5.72E-03	2.04E+00	2.46E+00	4.57E+00	1.07E+00	1.96E-01	8.29E+00
5620	479606.74	3850632.57	13.0185	5.80286	5.5628	2.69014	2.13E+00	4.50E+00	1.08E+00	1.98E-01	7.91E+00	2.10E+00	1.95E-04	1.18E-02	5.79E-03	2.12E+00	2.55E+00	4.50E+00	1.08E+00	1.98E-01	8.33E+00
5621	479777.37	3850707.61	14.1557	5.53767	5.6017	2.74942	2.32E+00	4.30E+00	1.09E+00	2.02E-01	7.90E+00	2.28E+00	1.86E-04	1.19E-02	5.92E-03	2.30E+00	2.77E+00	4.30E+00	1.09E+00	2.02E-01	8.35E+00
5622	479864.9	3850740.95	14.7089	5.50509	5.611	2.73897	2.41E+00	4.27E+00	1.09E+00	2.02E-01	7.97E+00	2.37E+00	1.85E-04	1.19E-02	5.90E-03	2.39E+00	2.88E+00	4.27E+00	1.09E+00	2.02E-01	8.44E+00
5623	479931.87	3850829.56	14.2219	5.66618	5.676	2.68258	2.33E+00	4.40E+00	1.10E+00	1.98E-01	8.02E+00	2.29E+00	1.90E-04	1.21E-02	5.77E-03	2.31E+00	2.78E+00	4.40E+00	1.10E+00	1.98E-01	8.48E+00
5624	479995.55	3850926.75	12.8626	5.98337	5.7471	2.54831	2.10E+00	4.64E+00	1.11E+00	1.88E-01	8.05E+00	2.07E+00	2.01E-04	1.22E-02	5.49E-03	2.09E+00	2.52E+00	4.64E+00	1.11E+00	1.88E-01	8.46E+00
5625	480079.78	3850968.64	13.2503	5.971	5.7692	2.50223	2.17E+00	4.63E+00	1.12E+00	1.84E-01	8.10E+00	2.14E+00	2.01E-04	1.23E-02	5.39E-03	2.15E+00	2.59E+00	4.63E+00	1.12E+00	1.84E-01	8.53E+00
5626	480164.01	3851010.54	13.5802	5.92312	5.7883	2.46448	2.22E+00	4.59E+00	1.12E+00	1.81E-01	8.12E+00	2.19E+00	1.99E-04	1.23E-02	5.31E-03	2.21E+00	2.66E+00	4.59E+00	1.12E+00	1.81E-01	8.56E+00
5627	480248.23	3851052.43	13.8787	5.83938	5.8045	2.42966	2.27E+00	4.53E+00	1.13E+00	1.79E-01	8.10E+00	2.24E+00	1.96E-04	1.23E-02	5.23E-03	2.25E+00	2.72E+00	4.53E+00	1.13E+00	1.79E-01	8.55E+00
5628	480332.46	3851094.33	14.1741	5.68505	5.8175	2.42387	2.32E+00	4.41E+00	1.13E+00	1.78E-01	8.03E+00	2.28E+00	1.91E-04	1.24E-02	5.22E-03	2.30E+00	2.77E+00	4.41E+00	1.13E+00	1.78E-01	8.49E+00
5629	480416.69	3851136.22	14.5328	5.51369	5.8273	2.45176	2.38E+00	4.28E+00	1.13E+00	1.81E-01	7.96E+00	2.34E+00	1.85E-04	1.24E-02	5.28E-03	2.36E+00	2.84E+00	4.28E+00	1.13E+00	1.81E-01	8.43E+00
5630	480579.95	3851215.17	15.165	5.38665	5.8332	2.46505	2.48E+00	4.18E+00	1.13E+00	1.81E-01	7.97E+00	2.44E+00	1.81E-04	1.24E-02	5.31E-03	2.46E+00	2.97E+00	4.18E+00	1.13E+00	1.81E-01	8.46E+00
5631	480658.98	3851252.22	15.2859	5.45443	5.8291	2.45597	2.50E+00	4.23E+00	1.13E+00	1.81E-01	8.04E+00	2.46E+00	1.83E-04	1.24E-02	5.29E-03	2.48E+00	2.99E+00	4.23E+00	1.13E+00	1.81E-01	8.53E+00
5632	480817.36	3851327.85	15.2674	5.37945	5.8121	2.43518	2.50E+00	4.17E+00	1.13E+00	1.79E-01	7.98E+00	2.46E+00	1.81E-04	1.24E-02	5.24E-03	2.48E+00	2.99E+00	4.17E+00	1.13E+00	1.79E-01	8.47E+00
5633	480896.72	3851366.42	15.2175	5.2484	5.7994	2.46608	2.49E+00	4.07E+00	1.12E+00	1.82E-01	7.87E+00	2.45E+00	1.76E-04	1.23E-02	5.31E-03	2.47E+00	2.98E+00	4.07E+00	1.12E+00	1.82E-01	8.36E+00
5634	480976.07	3851405	15.191	5.08028	5.7831	2.49753	2.48E+00	3.94E+00	1.12E+00	1.84E-01	7.73E+00	2.45E+00	1.71E-04	1.23E-02	5.38E-03	2.47E+00	2.97E+00	3.94E+00	1.12E+00	1.84E-01	8.22E+00
5635	481178	3851487.31	17.494	5.07697	5.6878	2.55065	2.86E+00	3.94E+00	1.10E+00	1.88E-01	8.09E+00	2.82E+00	1.71E-04	1.21E-02	5.49E-03	2.84E+00	3.42E+00	3.94E+00	1.10E+00	1.88E-01	8.65E+00
5636	481244.9	3851557.17	17.5883	5.11812	5.751	2.55711	2.88E+00	3.97E+00	1.12E+00	1.88E-01	8.15E+00	2.83E+00	1.72E-04	1.22E-02	5.50E-03	2.85E+00	3.44E+00	3.97E+00	1.12E+00	1.88E-01	8.72E+00
5637	481311.81	3851627.03	17.7122	5.17478	5.8153	2.58435	2.90E+00	4.01E+00	1.13E+00	1.90E-01	8.23E+00	2.85E+00	1.74E-04	1.24E-02	5.56E-03	2.87E+00	3.47E+00	4.01E+00	1.13E+00	1.90E-01	8.80E+00
5638	481378.71	3851696.89	17.8381	5.20861	5.8807	2.62617	2.92E+00	4.04E+00	1.14E+00	1.93E-01	8.29E+00	2.87E+00	1.75E-04	1.25E-02	5.65E-03	2.89E+00	3.49E+00	4.04E+00	1.14E+00	1.93E-01	8.86E+00
5639	481445.61	3851766.76	18.0142	5.22849	5.9473	2.65922	2.95E+00	4.06E+00	1.15E+00	1.96E-01	8.35E+00	2.90E+00	1.76E-04	1.26E-02	5.72E-03	2.92E+00	3.53E+00	4.06E+00	1.15E+00	1.96E-01	8.93E+00
5640	481512.51	3851836.62	18.2551	5.19237	6.015	2.71099	2.99E+00	4.03E+00	1.17E+00	2.00E-01	8.38E+00	2.94E+00	1.74E-04	1.28E-02	5.84E-03	2.96E+00	3.57E+00	4.03E+00	1.17E+00	2.00E-01	8.97E+00
5641	481579.42	3851906.48	18.5003	5.15617	6.084	2.73982	3.03E+00	4.00E+00	1.18E+00	2.02E-01	8.41E+00	2.98E+00	1.73E-04	1.29E-02	5.90E-03	3.00E+00	3.62E+00	4.00E+00	1.18E+00	2.02E-01	9.00E+00
5642	481646.32	3851976.34	18.7514	5.13386	6.1542	2.78543	3.07E+00	3.98E+00	1.19E+00	2.05E-01	8.45E+00	3.02E+00	1.72E-04	1.31E-02	6.00E-03	3.04E+00	3.67E+00	3.98E+00	1.19E+00	2.05E-01	9.05E+00
5643	481713.22	3852046.2	19.0261	5.0307	6.2256	2.8889	3.11E+00	3.90E+00	1.21E+00	2.13E-01	8.43E+00	3.07E+00	1.69E-04	1.32E-02	6.22E-03	3.09E+00	3.72E+00	3.90E+00	1.21E+00	2.13E-01	9.05E+00
5644	481780.12	3852116.06	19.2869	5.03646	6.2984	2.89712	3.15E+00	3.91E+00	1.22E+00	2.13E-01	8.50E+00	3.11E+00	1.69E-04	1.34E-02	6.24E-03	3.13E+00	3.77E+00	3.91E+00	1.22E+00	2.13E-01	9.12E+00
5645	481847.03	3852185.92	19.558	5.07575	6.3724	2.87208	3.20E+00	3.94E+00	1.24E+00	2.11E-01	8.58E+00	3.15E+00	1.71E-04	1.35E-02	6.18E-03	3.17E+00	3.83E+00	3.94E+00	1.24E+00	2.11E-01	9.21E+00
5646	481913.93	3852255.78	19.8375	5.18771	6.4477	2.84502	3.24E+00	4.02E+00	1.25E+00	2.09E-01	8.73E+00	3.20E+00	1.74E-04	1.37E-02	6.12E-03	3.22E+00	3.88E+00	4.02E+00	1.25E+00	2.09E-01	9.37E+00
5647	481980.83	3852325.65	20.0232	5.54378	6.524	2.80435	3.28E+00	4.30E+00	1.27E+00	2.06E-01	9.05E+00	3.23E+00	1.86E-04	1.39E-02	6.04E-03	3.25E+00	3.92E+00	4.30E+00	1.27E+00	2.06E-01	9.69E+00
5648	482047.73	3852395.51	20.3049	5.79276	6.6019	2.82815	3.32E+00	4.49E+00	1.28E+00	2.08E-01	9.30E+00	3.27E+00	1.95E-04	1.40E-02	6.09E-03	3.29E+00	3.97E+00	4.49E+00	1.28E+00	2.08E-01	9.96E+00
5649	482114.64	3852465.37	20.6498	6.04439	6.6809	2.83043	3.38E+00	4.69E+00	1.30E+00	2.08E-01	9.57E+00	3.33E+00	2.03E-04	1.42E-02	6.09E-03	3.35E+00	4.04E+00	4.69E+00	1.30E+00	2.08E-01	1.02E+01
5650	482181.54	3852535.23	20.9608	6.14325	6.762	2.89489	3.43E+00	4.77E+00	1.31E+00	2.13E-01	9.72E+00	3.38E+00	2.06E-04	1.44E-02	6.23E-03	3.40E+00	4.10E+00	4.77E+00	1.31E+00	2.13E-01	1.04E+01
5651	482338.69	3852700.04	21.8811	6.53167	6.9597	3.17527	3.58E+00	5.07E+00	1.35E+00	2.34E-01	1.02E+01	3.53E+00	2.19E-04	1.48E-02	6.84E-03	3.55E+00	4.28E+00	5.07E+00	1.35E+00	2.34E-01	1.09E+01
5652	482404.05	3852767.78	22.4489	6.65776	7.0424	3.35826	3.67E+00	5.16E+00	1.37E+00	2.47E-01	1.04E+01	3.62E+00	2.24E-04	1.50E-02	7.23E-03	3.64E+00	4.39E+00	5.16E+00	1.37E+00	2.47E-01	1.12E+01
5653	482469.4	3852835.52	23.0776	6.75751	7.1266	3.46875	3.77E+00	5.24E+00	1.38E+00	2.55E-01	1.07E+01	3.72E+00	2.27E-04	1.52E-02	7.47E-03	3.74E+00	4.52E+00	5.24E+00	1.38E+00	2.55E-01	1.14E+01
5654	482534.75	3852903.25	23.8108	6.78187	7.2128	3.47523	3.89E+00	5.26E+00	1.40E+00	2.56E-01	1.08E+01	3.84E+00	2.28E-04	1.53E-02	7.48E-03	3.86E+00	4.66E+00	5.26E+00	1.40E+00	2.56E-01	1.16E+01
5655	482600.11	3852970.98	24.6077	6.84954	7.3003	3.42497	4.02E+00	5.31E+00	1.42E+00	2.52E-01	1.10E+01	3.97E+00	2.30E-04	1.55E-02	7.37E-03	3.99E+00	4.82E+00	5.31E+00	1.42E+00	2.52E-01	1.18E+01
5656	482706.71	3853119.28	25.1594	6.73194	7.5438	3.38497	4.12E+00	5.22E+00	1.46E+00	2.49E-01	1.10E+01	4.05E+00	2.26E-04	1.60E-02	7.29E-03	4.08E+00	4.92E+00	5.22E+00	1.46E+00	2.49E-01	1.19E+01
5657	482747.96	3853199.84	25.1858	6.78485	7.6902	3.48278	4.12E+00	5.26E+00	1.49E+00	2.56E-01	1.11E+01	4.06E+00	2.28E-04	1.64E-02	7.50E-03	4.08E+00	4.93E+00	5.26E+00	1.49E+00	2.56E-01	1.19E+01
5658	482789.21	3853280.4	25.2362	6.85333	7.8279	3.56104	4.13E+00	5.32E+00	1.52E+00	2.62E-01	1.12E+01	4.07E+00	2.30E-04	1.66E-02	7.67E-03	4.09E+00	4.94E+00	5.32E+00	1.52E+00	2.62E-01	1.20E+01
5659	482830.46	3853360.96	25.1952	6.87495	7.9564	3.65495	4.12E+00	5.33E+00	1.54E+00	2.69E-01	1.13E+01	4.06E+00	2.31E-04	1.69E-02	7.87E-03	4.08E+00	4.93E+00	5.33E+00	1.54E+00	2.69E-01	1.21E+01
5660	482871.71	3853441.52	25.0216	6.90731	8.0739	3.76529	4.09E+00	5.36E+00	1.57E+00	2.77E-01	1.13E+01	4.03E+00	2.32E-04	1.72E-02	8.11E-03	4.06E+00	4.90E+00	5.36E+00	1.57E+00	2.77E-01	1.21E+01
5661	482912.95	3853522.07	24.7598	6.8351	8.1803	3.89685	4.05E+00	5.30E+00	1.59E+00	2.87E-01	1.12E+01	3.99E+00	2.30E-04	1.74E-02	8.39E-03	4.02E+00	4.84E+00	5.30E+00	1.59E+00	2.87E-01	1.20E+01
5662	482954.2	3853602.63	24.3422	6.75602	8.2725	4.0472	3.98E+00	5.24E+00	1.60E+00	2.98E-01	1.11E+01	3.92E+00	2.27E-04	1.76E-02	8.71E-03	3.95E+00	4.76E+00	5.24E+00	1.60E+00	2.98E-01	1.19E+01
5663	482995.45	3853683.19	23.7514	6.60645	8.3495	4.20433	3.88E+00	5.12E+00	1.62E+00	3.10E-01	1.09E+01	3.83E+00	2.22E-04	1.78E-02	9.05E-03	3.85E+00	4.65E+00	5.12E+00	1.62E+00	3.10E-01	1.17E+01
5664	483036.7	3853763.75	24.1094	6.43157	8.4092	4.35233	3.94E+00	4.99E+00	1.63E+00	3.20E-01	1.09E+01	3.88E+00	2.16E-04	1.79E-02	9.37E-03	3.91E+00	4.72E+00	4.99E+00	1.63E+00	3.20E-01	1.17E+01
5665	483214.2	3853909.91	26.1474	5.63053	8.6354	4.52674	4.28E+00	4.37E+00	1.67E+00	3.33E-01	1.07E+01	4.21E+00	1.89E-04	1.84E-02	9.74E-03	4.24E+00	5.12E+00	4.37E+00	1.67E+00	3.33E-01	1.15E+01
5666	483307.01	3853910.44	27.8315	5.73663	8.7251	3.96809	4.55E+00	4.45E+00	1.69E+00	2.92E-01	1.10E+01	4.48E+00	1.93E-04	1.86E-02	8.54E-03	4.51E+00	5.45E+00	4.45E+00	1.69E+00	2.92E-01	1.19E+01
5667	483399.83	3853910.96	29.3419	5.51501	8.754	3.69165	4.80E+00	4.28E+00	1.70E+00	2.72E-01	1.10E+01	4.73E+00	1.85E-04	1.86E-02	7.95E-03	4.75E+00	5.74E+00	4.28E+00	1.70E+00	2.72E-01	1.20E+01
5668	483494.52	3854009.24	30.4829	5.41025	8.9093	4.43574	4.99E+00	4.20E+00	1.73E+00	3.27E-01	1.12E+01	4.91E+00	1.82E-04	1.89E-02	9.55E-03	4.94E+00	5.96E+00	4.20E+00	1.73E+00	3.27E-01	1.22E+01
5669	483496.41	3854106.98	30.0078	5.59984	9.0078	4.89723	4.91E+00	4.34E+00	1.75E+00	3.61E-01	1.14E+01	4.84E+00	1.88E-04	1.92E-02	1.05E-02	4.87E+00	5.87E+00	4.34E+00	1.75E+00	3.61E-01	1.23E+01

5670	483577.56	3854261.96	30.8215	5.07404	9.1253	5.2223	5.04E+00	3.94E+00	1.77E+00	3.84E-01	1.11E+01	4.97E+00	1.70E-04	1.94E-02	1.12E-02	5.00E+00	6.03E+00	3.94E+00	1.77E+00	3.84E-01	1.21E+01
5671	483656.83	3854319.19	32.6147	4.57509	9.2465	5.37754	5.33E+00	3.55E+00	1.79E+00	3.96E-01	1.11E+01	5.26E+00	1.54E-04	1.97E-02	1.16E-02	5.29E+00	6.38E+00	3.55E+00	1.79E+00	3.96E-01	1.21E+01
5672	483736.1	3854376.41	34.2194	4.06502	9.3697	5.55981	5.60E+00	3.15E+00	1.82E+00	4.09E-01	1.10E+01	5.51E+00	1.37E-04	1.99E-02	1.20E-02	5.55E+00	6.70E+00	3.15E+00	1.82E+00	4.09E-01	1.21E+01
5673	483815.36	3854433.64	35.4725	3.64712	9.495	6.2823	5.80E+00	2.83E+00	1.84E+00	4.63E-01	1.09E+01	5.72E+00	1.23E-04	2.02E-02	1.35E-02	5.75E+00	6.94E+00	2.83E+00	1.84E+00	4.63E-01	1.21E+01
5674	483894.63	3854490.87	35.6768	3.37959	9.6223	7.22949	5.84E+00	2.62E+00	1.87E+00	5.32E-01	1.09E+01	5.75E+00	1.14E-04	2.05E-02	1.56E-02	5.78E+00	6.98E+00	2.62E+00	1.87E+00	5.32E-01	1.20E+01
5675	483973.9	3854548.1	35.0285	3.16639	9.7519	8.92737	5.73E+00	2.46E+00	1.89E+00	6.57E-01	1.07E+01	5.64E+00	1.06E-04	2.07E-02	1.92E-02	5.68E+00	6.85E+00	2.46E+00	1.89E+00	6.57E-01	1.19E+01
5676	484053.17	3854605.32	34.4088	2.91332	9.8842	9.14301	5.63E+00	2.26E+00	1.92E+00	6.73E-01	1.05E+01	5.54E+00	9.79E-05	2.10E-02	1.97E-02	5.59E+00	6.73E+00	2.26E+00	1.92E+00	6.73E-01	1.16E+01
5677	484214.97	3854698.15	33.7414	2.65148	10.144	8.81275	5.52E+00	2.06E+00	1.97E+00	6.49E-01	1.02E+01	5.44E+00	8.91E-05	2.16E-02	1.90E-02	5.48E+00	6.60E+00	2.06E+00	1.97E+00	6.49E-01	1.13E+01
5678	484297.5	3854733.74	36.3021	2.61057	10.253	9.16654	5.94E+00	2.03E+00	1.99E+00	6.75E-01	1.06E+01	5.85E+00	8.77E-05	2.18E-02	1.97E-02	5.89E+00	7.10E+00	2.03E+00	1.99E+00	6.75E-01	1.18E+01
5679	484380.03	3854769.34	36.5483	2.57825	10.344	7.85994	5.98E+00	2.00E+00	2.01E+00	5.79E-01	1.06E+01	5.89E+00	8.66E-05	2.20E-02	1.69E-02	5.93E+00	7.15E+00	2.00E+00	2.01E+00	5.79E-01	1.17E+01
5680	484462.56	3854804.94	39.2679	2.63472	10.414	7.9948	6.42E+00	2.04E+00	2.02E+00	5.89E-01	1.11E+01	6.33E+00	8.85E-05	2.21E-02	1.72E-02	6.37E+00	7.68E+00	2.04E+00	2.02E+00	5.89E-01	1.23E+01
5681	484545.09	3854840.53	37.1021	2.5841	10.462	9.77593	6.07E+00	2.00E+00	2.03E+00	7.20E-01	1.08E+01	5.98E+00	8.68E-05	2.22E-02	2.10E-02	6.02E+00	7.26E+00	2.00E+00	2.03E+00	7.20E-01	1.20E+01
5682	484691.88	3854912.58	38.2798	2.66893	10.531	6.516	6.26E+00	2.07E+00	2.04E+00	4.80E-01	1.09E+01	6.17E+00	8.97E-05	2.24E-02	1.40E-02	6.20E+00	7.49E+00	2.07E+00	2.04E+00	4.80E-01	1.21E+01
5683	484830.81	3855012.51	39.7694	2.72215	10.71	6.15045	6.50E+00	2.11E+00	2.08E+00	4.53E-01	1.11E+01	6.41E+00	9.14E-05	2.28E-02	1.32E-02	6.44E+00	7.78E+00	2.11E+00	2.08E+00	4.53E-01	1.24E+01
5684	484905.48	3855075.97	43.1701	2.75491	10.858	7.84255	7.06E+00	2.14E+00	2.11E+00	5.77E-01	1.19E+01	6.96E+00	9.25E-05	2.31E-02	1.69E-02	7.00E+00	8.45E+00	2.14E+00	2.11E+00	5.77E-01	1.33E+01
5685	484980.14	3855139.44	44.4102	2.75395	11.009	10.54571	7.26E+00	2.14E+00	2.13E+00	7.76E-01	1.23E+01	7.16E+00	9.25E-05	2.34E-02	2.27E-02	7.20E+00	8.69E+00	2.14E+00	2.13E+00	7.76E-01	1.37E+01
5686	485054.81	3855202.91	44.022	2.7327	11.164	10.83067	7.20E+00	2.12E+00	2.16E+00	7.97E-01	1.23E+01	7.09E+00	9.18E-05	2.37E-02	2.33E-02	7.14E+00	8.61E+00	2.12E+00	2.16E+00	7.97E-01	1.37E+01
5687	485129.48	3855266.37	41.7587	2.68964	11.323	9.54777	6.83E+00	2.09E+00	2.20E+00	7.03E-01	1.18E+01	6.73E+00	9.03E-05	2.41E-02	2.06E-02	6.77E+00	8.17E+00	2.09E+00	2.20E+00	7.03E-01	1.32E+01
5688	485204.15	3855329.84	42.697	2.69371	11.487	14.14445	6.98E+00	2.09E+00	2.23E+00	1.04E+00	1.23E+01	6.88E+00	9.05E-05	2.44E-02	3.04E-02	6.93E+00	8.35E+00	2.09E+00	2.23E+00	1.04E+00	1.37E+01
5689	485278.82	3855393.31	41.9394	2.69737	11.655	16.97865	6.86E+00	2.09E+00	2.26E+00	1.25E+00	1.25E+01	6.76E+00	9.06E-05	2.48E-02	3.66E-02	6.82E+00	8.21E+00	2.09E+00	2.26E+00	1.25E+00	1.38E+01
5690	485353.48	3855456.77	41.7459	2.6982	11.829	14.80452	6.83E+00	2.09E+00	2.29E+00	1.09E+00	1.23E+01	6.73E+00	9.06E-05	2.52E-02	3.19E-02	6.78E+00	8.17E+00	2.09E+00	2.29E+00	1.09E+00	1.36E+01
5691	485428.15	3855520.24	41.1436	2.72587	12.007	17.40556	6.73E+00	2.11E+00	2.33E+00	1.28E+00	1.25E+01	6.63E+00	9.16E-05	2.55E-02	3.75E-02	6.69E+00	8.05E+00	2.11E+00	2.33E+00	1.28E+00	1.38E+01
5692	485502.82	3855583.71	40.9845	2.73843	12.191	16.14704	6.70E+00	2.12E+00	2.36E+00	1.19E+00	1.24E+01	6.60E+00	9.20E-05	2.59E-02	3.48E-02	6.66E+00	8.02E+00	2.12E+00	2.36E+00	1.19E+00	1.37E+01
5693	485577.49	3855647.17	42.2511	2.75718	12.38	12.73318	6.91E+00	2.14E+00	2.40E+00	9.37E-01	1.24E+01	6.81E+00	9.26E-05	2.63E-02	2.74E-02	6.86E+00	8.27E+00	2.14E+00	2.40E+00	9.37E-01	1.37E+01
5694	485652.16	3855710.64	43.2129	2.81151	12.574	10.85447	7.07E+00	2.18E+00	2.44E+00	7.99E-01	1.25E+01	6.96E+00	9.44E-05	2.67E-02	2.34E-02	7.01E+00	8.46E+00	2.18E+00	2.44E+00	7.99E-01	1.39E+01
5695	485726.83	3855774.1	43.7437	2.78528	12.775	13.14827	7.15E+00	2.16E+00	2.48E+00	9.68E-01	1.28E+01	7.05E+00	9.36E-05	2.72E-02	2.83E-02	7.10E+00	8.56E+00	2.16E+00	2.48E+00	9.68E-01	1.42E+01
5696	485801.49	3855837.57	42.5999	2.72369	12.981	12.8367	6.97E+00	2.11E+00	2.52E+00	9.45E-01	1.25E+01	6.86E+00	9.15E-05	2.76E-02	2.76E-02	6.92E+00	8.34E+00	2.11E+00	2.52E+00	9.45E-01	1.39E+01
5697	485876.16	3855901.04	43.1777	2.76722	13.194	12.71632	7.06E+00	2.15E+00	2.56E+00	9.36E-01	1.27E+01	6.96E+00	9.30E-05	2.81E-02	2.74E-02	7.01E+00	8.45E+00	2.15E+00	2.56E+00	9.36E-01	1.41E+01
5698	485950.83	3855964.5	42.2449	2.9379	13.413	13.22781	6.91E+00	2.28E+00	2.60E+00	9.74E-01	1.28E+01	6.81E+00	9.87E-05	2.85E-02	2.85E-02	6.86E+00	8.27E+00	2.28E+00	2.60E+00	9.74E-01	1.41E+01
5699	486025.5	3856027.97	42.0205	3.03993	13.639	14.14212	6.87E+00	2.36E+00	2.64E+00	1.04E+00	1.29E+01	6.77E+00	1.02E-04	2.90E-02	3.04E-02	6.83E+00	8.22E+00	2.36E+00	2.64E+00	1.04E+00	1.43E+01
5700	486100.17	3856091.44	43.5599	3.188	13.873	11.72968	7.12E+00	2.47E+00	2.69E+00	8.64E-01	1.32E+01	7.02E+00	1.07E-04	2.95E-02	2.53E-02	7.07E+00	8.52E+00	2.47E+00	2.69E+00	8.64E-01	1.46E+01
5701	486174.83	3856154.9	43.4646	3.19733	14.113	10.07699	7.11E+00	2.48E+00	2.74E+00	7.42E-01	1.31E+01	7.00E+00	1.07E-04	3.00E-02	2.17E-02	7.06E+00	8.51E+00	2.48E+00	2.74E+00	7.42E-01	1.45E+01
5702	486249.5	3856218.37	41.4585	3.13788	14.359	10.98166	6.78E+00	2.43E+00	2.78E+00	8.09E-01	1.28E+01	6.68E+00	1.05E-04	3.05E-02	2.36E-02	6.73E+00	8.11E+00	2.43E+00	2.78E+00	8.09E-01	1.41E+01
5703	486324.17	3856281.84	39.3781	3.1063	14.612	11.66736	6.44E+00	2.41E+00	2.83E+00	8.59E-01	1.25E+01	6.35E+00	1.04E-04	3.11E-02	2.51E-02	6.40E+00	7.71E+00	2.41E+00	2.83E+00	8.59E-01	1.38E+01
5704	486398.84	3856345.3	40.4467	3.13943	14.875	11.6985	6.62E+00	2.44E+00	2.88E+00	8.61E-01	1.28E+01	6.52E+00	1.05E-04	3.16E-02	2.52E-02	6.57E+00	7.91E+00	2.44E+00	2.88E+00	8.61E-01	1.41E+01
5705	486473.51	3856408.77	40.6884	3.15581	15.188	12.35305	6.66E+00	2.45E+00	2.95E+00	9.09E-01	1.30E+01	6.56E+00	1.06E-04	3.23E-02	2.66E-02	6.62E+00	7.96E+00	2.45E+00	2.95E+00	9.09E-01	1.43E+01
5706	486548.17	3856472.24	41.9069	3.19599	15.519	12.19579	6.85E+00	2.48E+00	3.01E+00	8.98E-01	1.32E+01	6.75E+00	1.07E-04	3.30E-02	2.63E-02	6.81E+00	8.20E+00	2.48E+00	3.01E+00	8.98E-01	1.46E+01
5707	486622.84	3856535.7	43.061	3.23112	15.868	11.6243	7.04E+00	2.51E+00	3.08E+00	8.56E-01	1.35E+01	6.94E+00	1.09E-04	3.37E-02	2.50E-02	7.00E+00	8.43E+00	2.51E+00	3.08E+00	8.56E-01	1.49E+01
5708	486765.48	3856659.69	45.3748	3.28131	16.659	9.66199	7.42E+00	2.55E+00	3.23E+00	7.11E-01	1.39E+01	7.31E+00	1.10E-04	3.54E-02	2.08E-02	7.37E+00	8.88E+00	2.55E+00	3.23E+00	7.11E-01	1.54E+01
5709	486833.44	3856720.2	46.1131	3.29734	17.116	8.95064	7.54E+00	2.56E+00	3.32E+00	6.59E-01	1.41E+01	7.43E+00	1.11E-04	3.64E-02	1.93E-02	7.49E+00	9.02E+00	2.56E+00	3.32E+00	6.59E-01	1.56E+01
5710	486901.41	3856780.72	46.83	3.36992	17.606	8.18803	7.66E+00	2.61E+00	3.41E+00	6.03E-01	1.43E+01	7.55E+00	1.13E-04	3.74E-02	1.76E-02	7.60E+00	9.16E+00	2.61E+00	3.41E+00	6.03E-01	1.58E+01
5711	486969.38	3856841.24	47.3671	3.42725	18.13	7.51507	7.75E+00	2.66E+00	3.52E+00	5.53E-01	1.45E+01	7.63E+00	1.15E-04	3.85E-02	1.62E-02	7.69E+00	9.27E+00	2.66E+00	3.52E+00	5.53E-01	1.60E+01
5712	487037.34	3856901.75	47.8946	3.46981	18.795	7.25296	7.83E+00	2.69E+00	3.64E+00	5.34E-01	1.47E+01	7.72E+00	1.17E-04	4.00E-02	1.56E-02	7.77E+00	9.37E+00	2.69E+00	3.64E+00	5.34E-01	1.62E+01
5713	487271.23	3856855.51	35.8334	4.50781	20.166	7.51279	5.86E+00	3.50E+00	3.91E+00	5.53E-01	1.38E+01	5.77E+00	1.51E-04	4.29E-02	1.62E-02	5.83E+00	7.01E+00	3.50E+00	3.91E+00	5.53E-01	1.50E+01
5714	487368.96	3856857.29	33.9346	4.61331	22.875	7.39705	5.55E+00	3.58E+00	4.44E+00	5.45E-01	1.41E+01	5.47E+00	1.55E-04	4.86E-02	1.59E-02	5.53E+00	6.64E+00	3.58E+00	4.44E+00	5.45E-01	1.52E+01
5715	487466.68	3856859.06	32.2039	4.73128	25.952	7.1686	5.27E+00	3.67E+00	5.03E+00	5.28E-01	1.45E+01	5.19E+00	1.59E-04	5.52E-02	1.54E-02	5.26E+00	6.30E+00	3.67E+00	5.03E+00	5.28E-01	1.55E+01
5716	487636.44	3856930	30.6712	5.05566	32.981	6.37218	5.02E+00	3.92E+00	6.40E+00	4.69E-01	1.58E+01	4.94E+00	1.70E-04	7.01E-02	1.37E-02	5.03E+00	6.00E+00	3.92E+00	6.40E+00	4.69E-01	1.68E+01
5717	487709.57	3856928.43	29.6193	5.13707	35.773	6.19085	4.84E+00	3.98E+00	6.94E+00	4.56E-01	1.62E+01	4.77E+00	1.73E-04	7.61E-02	1.33E-02	4.86E+00	5.80E+00	3.99E+00	6.94E+00	4.56E-01	1.72E+01
5718	487782.54	3856841.96	27.8507	4.95451	36.024	6.52526	4.56E+00	3.84E+00	6.99E+00	4.80E-01	1.59E+01	4.49E+00	1.66E-04	7.66E-02	1.40E-02	4.58E+00	5.45E+00	3.84E+00	6.99E+00	4.80E-01	1.68E+01
5719	487849.83	3856754.74	26.3501	4.86549	37.769	6.60768	4.31E+00	3.77E+00	7.32E+00	4.86E-01	1.59E+01	4.25E+00	1.63E-04	8.03E-02	1.42E-02	4.34E+00	5.16E+00	3.77E+00	7.32E+00	4.86E-01	1.67E+01
5720	487918.03	3856819.39	26.2387	5.13664	33.868	6.15924	4.29E+00	3.98E+00	6.57E+00	4.53E-01	1.53E+01	4.23E+00	1.73E-04	7.20E-02	1.33E-02	4.31E+00	5.13E+00	3.98E+00	6.57E+00	4.53E-01	1.61E+01
5721	487918.8	3856886.37	26.7698	5.27029	35.734	5.793	4.38E+00	4.09E+00	6.93E+00	4.27E-01	1.58E+01	4.31E+00	1.77E-04	7.60E-02	1.25E-02	4.40E+00	5.24E+00	4.09E+00	6.93E+00	4.27E-01	1.67E+01
5722	488065.47	3857127.5	27.3421	6.00807	29.332	4.30332	4.47E+00	4.66E+00	5.69E+00	3.17E-01	1.51E+01	4.41E+00	2.02E-04	6.24E-02	9.26E-03	4.48E+00	5.35E+00	4.66E+00	5.69E+00	3.17E-01	1.60E+01
5723	488192.19	3857385.83	29.1133	7.64228	45.362	4.65047	4.76E+00	5.93E+00	8.80E+00	3.42E-01	1.98E+01	4.69E+00	2.57E-04	9.64E-02	1.00E-02	4.80E+00	5.70E+00	5.93E+00	8.80E+00	3.42E-01	2.08E+01
5724	488191.22	3857473.87	29.6055	8.16503	49.918	4.22099	4.84E+00	6.33E+00	9.68E+00	3.11E-01	2.12E+01	4.77E+00	2.74E-04	1.06E-01	9.09E-03	4.89E+00	5.79E+00	6.33E+00	9.68E+00	3.11E-01	2.21E+01
5725	488190.24	3857561.9	29.2873	8.68337	56.489	5.2832	4.79E+00	6.74E+00	1.10E+01	3.89E-01	2.29E+01	4.72E+00	2.92E-04	1.20E-01	1.14E-02	4.85E+00	5.73E+00	6.74E+00	1.10E+01	3.89E-01	2.38E+01
5726	488158.35	3857691.13	28.4925	9.20826	81.056	6.25872	4.66E+00	7.14E+00	1.57E+01	4.61E-01	2.80E+01	4.59E+00	3.09E-04	1.72E-01	1.35E-02	4.78E+00	5.58E+00	7.14E+00	1.57E+01	4.61E-01	2.89E+01
5727	488208.37	3857816.66	27.6625	9.91137	108.22	6.99338	4.52E+00	7.69E+00	2.10E+01	5.15E-01	3.37E+01	4.46E+00	3.33E-04	2.30E-01	1.51E-02	4.70E+00	5.41E+00	7.69E+00	2.10E+01	5.15E-01	3.46E+01
5728	488271.97	3857874.6	27.0553	10.2322	125.15	6.55194	4.43E+00	7.94E+00	2.43E+01	4.82E-01	3.71E+01	4.36E+00	3.44E-04	2.66E-01	1.41E-02	4.64E+00	5.29E+00	7.94E+00	2.43E+01	4.82E-01	3.80E+01
5729	488463.56	3857942.31	26.0249	10.6179	121.01	7.15024	4.26E+00	8.24E+00	2.35E+01	5.26E-01	3.65E+01	4.19E+00	3.57E-04	2.57E-01	1.54E-02	4.47E+00	5.09E+00	8.24E+00	2.35E+01	5.26E-01	3.73E+01
5730	488554.83	3857940.83	25.7773	10.7106	116.92	7.73693	4.22E+00	8.31E+00	2.27E+01	5.70E-01	3.58E+01	4.15E+00	3.60E-04	2.49E-01	1.67E-02	4.42E+00	5.04E+00	8.31E+00	2.27E+01	5.70E-01	3.66E+01

5731	488646.1	3857939.36	25.8952	10.5299	107.96	7.66653	4.24E+00	8.17E+00	2.09E+01	5.64E-01	3.39E+01	4.17E+00	3.54E-04	2.30E-01	1.65E-02	4.42E+00	5.07E+00	8.17E+00	2.09E+01	5.64E-01	3.47E+01
5732	488737.37	3857937.88	25.8013	10.2555	99.659	7.39441	4.22E+00	7.96E+00	1.93E+01	5.44E-01	3.20E+01	4.16E+00	3.44E-04	2.12E-01	1.59E-02	4.39E+00	5.05E+00	7.96E+00	1.93E+01	5.44E-01	3.29E+01
5733	488733.59	3857960.57	25.6651	10.3543	98.783	7.50301	4.20E+00	8.03E+00	1.92E+01	5.52E-01	3.19E+01	4.14E+00	3.48E-04	2.10E-01	1.62E-02	4.36E+00	5.02E+00	8.03E+00	1.92E+01	5.52E-01	3.28E+01
5734	488638.09	3857961.57	25.6499	10.6248	109.79	7.6523	4.20E+00	8.24E+00	2.13E+01	5.63E-01	3.43E+01	4.13E+00	3.57E-04	2.33E-01	1.65E-02	4.38E+00	5.02E+00	8.24E+00	2.13E+01	5.63E-01	3.51E+01
5735	488542.6	3857962.56	25.7787	10.8266	120.24	7.88413	4.22E+00	8.40E+00	2.33E+01	5.80E-01	3.65E+01	4.15E+00	3.64E-04	2.56E-01	1.70E-02	4.43E+00	5.04E+00	8.40E+00	2.33E+01	5.80E-01	3.73E+01
5736	488447.1	3857963.56	26.0903	10.7152	128.55	7.42577	4.27E+00	8.31E+00	2.49E+01	5.47E-01	3.81E+01	4.20E+00	3.60E-04	2.73E-01	1.60E-02	4.49E+00	5.11E+00	8.31E+00	2.49E+01	5.47E-01	3.89E+01
5737	488254.28	3857890.36	26.6265	10.3176	126.7	6.59463	4.36E+00	8.00E+00	2.46E+01	4.86E-01	3.74E+01	4.29E+00	3.47E-04	2.69E-01	1.42E-02	4.57E+00	5.21E+00	8.00E+00	2.46E+01	4.86E-01	3.83E+01
5738	488191.69	3857833.06	27.329	9.91202	109.81	7.06362	4.47E+00	7.69E+00	2.13E+01	5.20E-01	3.40E+01	4.40E+00	3.33E-04	2.33E-01	1.52E-02	4.65E+00	5.35E+00	7.69E+00	2.13E+01	5.20E-01	3.48E+01
5739	488129.5	3857907.43	26.7966	10.085	106.48	7.4212	4.38E+00	7.82E+00	2.06E+01	5.46E-01	3.34E+01	4.32E+00	3.39E-04	2.26E-01	1.60E-02	4.56E+00	5.24E+00	7.82E+00	2.06E+01	5.46E-01	3.43E+01
5740	488196.47	3857968.73	25.8944	10.7157	124.28	6.60752	4.24E+00	8.31E+00	2.41E+01	4.86E-01	3.71E+01	4.17E+00	3.60E-04	2.64E-01	1.42E-02	4.45E+00	5.07E+00	8.31E+00	2.41E+01	4.86E-01	3.80E+01
5741	488263.44	3858030.04	24.9431	11.0794	164.32	6.8678	4.08E+00	8.59E+00	3.19E+01	5.06E-01	4.50E+01	4.02E+00	3.72E-04	3.49E-01	1.48E-02	4.38E+00	4.88E+00	8.59E+00	3.19E+01	5.06E-01	4.58E+01
5742	488400.64	3858132.9	23.1257	11.4094	166.39	8.60283	3.78E+00	8.85E+00	3.23E+01	6.33E-01	4.55E+01	3.73E+00	3.83E-04	3.54E-01	1.85E-02	4.10E+00	4.53E+00	8.85E+00	3.23E+01	6.33E-01	4.63E+01
5743	488519.89	3858218.38	21.9241	12.7207	129.35	7.92718	3.59E+00	9.87E+00	2.51E+01	5.84E-01	3.91E+01	3.53E+00	4.27E-04	2.75E-01	1.71E-02	3.83E+00	4.29E+00	9.87E+00	2.51E+01	5.84E-01	3.98E+01
5744	488647.97	3858214.99	23.7114	12.3532	115.77	6.58278	3.88E+00	9.58E+00	2.24E+01	4.85E-01	3.64E+01	3.82E+00	4.15E-04	2.46E-01	1.42E-02	4.08E+00	4.64E+00	9.58E+00	2.24E+01	4.85E-01	3.72E+01
5745	488727.05	3858167.67	24.377	11.9891	100.67	6.93139	3.99E+00	9.30E+00	1.95E+01	5.10E-01	3.33E+01	3.93E+00	4.03E-04	2.14E-01	1.49E-02	4.16E+00	4.77E+00	9.30E+00	1.95E+01	5.10E-01	3.41E+01
5746	488806.12	3858120.35	24.3854	11.5919	89.784	7.27326	3.99E+00	8.99E+00	1.74E+01	5.35E-01	3.09E+01	3.93E+00	3.89E-04	1.91E-01	1.57E-02	4.14E+00	4.77E+00	8.99E+00	1.74E+01	5.35E-01	3.17E+01
5747	488885.2	3858073.03	24.7852	11.1048	84.999	7.22234	4.05E+00	8.61E+00	1.65E+01	5.32E-01	2.97E+01	3.99E+00	3.73E-04	1.81E-01	1.55E-02	4.19E+00	4.85E+00	8.61E+00	1.65E+01	5.32E-01	3.05E+01
5748	489055.76	3857991.17	24.5796	10.0345	71.339	6.94732	4.02E+00	7.78E+00	1.38E+01	5.11E-01	2.61E+01	3.96E+00	3.37E-04	1.52E-01	1.50E-02	4.13E+00	4.81E+00	7.78E+00	1.38E+01	5.11E-01	2.69E+01
5749	489245.39	3857944.54	24.4217	8.60522	60.821	6.65967	3.99E+00	6.68E+00	1.18E+01	4.90E-01	2.30E+01	3.94E+00	2.89E-04	1.29E-01	1.43E-02	4.08E+00	4.78E+00	6.68E+00	1.18E+01	4.90E-01	2.37E+01
5750	489430.63	3857930.91	23.0941	8.26907	53.638	5.61854	3.78E+00	6.41E+00	1.04E+01	4.14E-01	2.10E+01	3.72E+00	2.78E-04	1.14E-01	1.21E-02	3.85E+00	4.52E+00	6.41E+00	1.04E+01	4.14E-01	2.17E+01
5751	489517.74	3857929.36	22.3541	7.97226	52.26	5.04515	3.66E+00	6.18E+00	1.01E+01	3.71E-01	2.03E+01	3.60E+00	2.68E-04	1.11E-01	1.09E-02	3.72E+00	4.37E+00	6.18E+00	1.01E+01	3.71E-01	2.11E+01
5752	489604.85	3857927.82	21.5523	7.37011	50.728	4.33705	3.53E+00	5.72E+00	9.84E+00	3.19E-01	1.94E+01	3.47E+00	2.48E-04	1.08E-01	9.34E-03	3.59E+00	4.22E+00	5.72E+00	9.84E+00	3.19E-01	2.01E+01
5753	489691.97	3857926.28	20.8672	7.08745	49.117	4.03527	3.41E+00	5.50E+00	9.52E+00	2.97E-01	1.87E+01	3.36E+00	2.38E-04	1.04E-01	8.69E-03	3.48E+00	4.08E+00	5.50E+00	9.52E+00	2.97E-01	1.94E+01
5754	489779.08	3857924.73	20.3387	6.69088	47.697	4.0051	3.33E+00	5.19E+00	9.25E+00	2.95E-01	1.81E+01	3.28E+00	2.25E-04	1.01E-01	8.62E-03	3.39E+00	3.98E+00	5.19E+00	9.25E+00	2.95E-01	1.87E+01
5755	490017.54	3857875.08	18.4605	5.48777	44.256	4.14893	3.02E+00	4.26E+00	8.58E+00	3.05E-01	1.62E+01	2.97E+00	1.84E-04	9.41E-02	8.93E-03	3.08E+00	3.61E+00	4.26E+00	8.58E+00	3.05E-01	1.68E+01
5756	490033.82	3857960.81	19.0514	5.62143	45.253	4.32078	3.12E+00	4.36E+00	8.77E+00	3.18E-01	1.66E+01	3.07E+00	1.89E-04	9.62E-02	9.30E-03	3.18E+00	3.73E+00	4.36E+00	8.77E+00	3.18E-01	1.72E+01
5757	489959.15	3857987.49	19.5209	6.01789	46.578	4.21057	3.19E+00	4.67E+00	9.03E+00	3.10E-01	1.72E+01	3.15E+00	2.02E-04	9.90E-02	9.06E-03	3.25E+00	3.82E+00	4.67E+00	9.03E+00	3.10E-01	1.78E+01
5758	489791.49	3858016.12	20.9711	6.69616	49.188	4.06421	3.43E+00	5.19E+00	9.54E+00	2.99E-01	1.85E+01	3.38E+00	2.25E-04	1.05E-01	8.75E-03	3.49E+00	4.10E+00	5.19E+00	9.54E+00	2.99E-01	1.91E+01
5759	489698.51	3858018.07	21.777	7.18745	50.591	4.13389	3.56E+00	5.58E+00	9.81E+00	3.04E-01	1.93E+01	3.51E+00	2.41E-04	1.08E-01	8.90E-03	3.63E+00	4.26E+00	5.58E+00	9.81E+00	3.04E-01	2.00E+01
5760	489605.52	3858020.02	22.5389	7.64015	51.963	4.26668	3.69E+00	5.93E+00	1.01E+01	3.14E-01	2.00E+01	3.63E+00	2.57E-04	1.10E-01	9.19E-03	3.75E+00	4.41E+00	5.93E+00	1.01E+01	3.14E-01	2.07E+01
5761	489512.53	3858021.96	23.2317	8.13078	53.223	4.85837	3.80E+00	6.31E+00	1.03E+01	3.58E-01	2.08E+01	3.74E+00	2.73E-04	1.13E-01	1.05E-02	3.87E+00	4.55E+00	6.31E+00	1.03E+01	3.58E-01	2.15E+01
5762	489419.55	3858023.91	23.7395	8.76778	54.891	5.36879	3.88E+00	6.80E+00	1.06E+01	3.95E-01	2.17E+01	3.83E+00	2.95E-04	1.17E-01	1.16E-02	3.95E+00	4.65E+00	6.80E+00	1.06E+01	3.95E-01	2.25E+01
5763	489228.47	3858041.29	24.2993	8.90059	64.606	5.88244	3.97E+00	6.90E+00	1.25E+01	4.33E-01	2.38E+01	3.92E+00	2.99E-04	1.37E-01	1.27E-02	4.07E+00	4.75E+00	6.90E+00	1.25E+01	4.33E-01	2.46E+01
5764	489065.75	3858085.78	24.3143	10.1979	72.851	6.14005	3.98E+00	7.91E+00	1.41E+01	4.52E-01	2.65E+01	3.92E+00	3.43E-04	1.55E-01	1.32E-02	4.09E+00	4.76E+00	7.91E+00	1.41E+01	4.52E-01	2.72E+01
5765	489001.12	3858114.86	24.4043	10.701	77.352	6.07527	3.99E+00	8.30E+00	1.50E+01	4.47E-01	2.77E+01	3.93E+00	3.59E-04	1.64E-01	1.31E-02	4.11E+00	4.78E+00	8.30E+00	1.50E+01	4.47E-01	2.85E+01
5766	488861.89	3858189.81	24.0931	11.4876	86.749	5.92236	3.94E+00	8.91E+00	1.68E+01	4.36E-01	3.01E+01	3.88E+00	3.86E-04	1.84E-01	1.27E-02	4.08E+00	4.71E+00	8.91E+00	1.68E+01	4.36E-01	3.09E+01
5767	488787.28	3858235.69	23.9911	12.2791	89.789	5.83705	3.92E+00	9.52E+00	1.74E+01	4.30E-01	3.13E+01	3.87E+00	4.12E-04	1.91E-01	1.26E-02	4.07E+00	4.69E+00	9.53E+00	1.74E+01	4.30E-01	3.21E+01
5768	488712.68	3858281.57	23.1792	12.6002	109.04	5.61102	3.79E+00	9.77E+00	2.11E+01	4.13E-01	3.51E+01	3.73E+00	4.23E-04	2.32E-01	1.21E-02	3.98E+00	4.54E+00	9.77E+00	2.11E+01	4.13E-01	3.59E+01
5769	488654.39	3858436.17	19.3403	14.2986	74.288	5.74142	3.16E+00	1.11E+01	1.44E+01	4.23E-01	2.91E+01	3.12E+00	4.80E-04	1.58E-01	1.24E-02	3.29E+00	3.78E+00	1.11E+01	1.44E+01	4.23E-01	2.97E+01
5770	488726.3	3858505.26	18.7542	14.6701	61.709	6.2912	3.07E+00	1.14E+01	1.20E+01	4.63E-01	2.69E+01	3.02E+00	4.93E-04	1.31E-01	1.35E-02	3.17E+00	3.67E+00	1.14E+01	1.20E+01	4.63E-01	2.75E+01
5771	488880.6	3858599.28	17.392	14.3856	48.169	6.27124	2.84E+00	1.12E+01	9.34E+00	4.62E-01	2.38E+01	2.80E+00	4.83E-04	1.02E-01	1.35E-02	2.92E+00	3.40E+00	1.12E+01	9.34E+00	4.62E-01	2.44E+01
5772	489008.06	3858714.75	16.5891	14.5628	40.845	7.05757	2.71E+00	1.13E+01	7.92E+00	5.20E-01	2.24E+01	2.67E+00	4.89E-04	8.68E-02	1.52E-02	2.78E+00	3.25E+00	1.13E+01	7.92E+00	5.20E-01	2.30E+01
5773	489071.48	3858772.72	16.2168	13.6584	37.762	6.68639	2.65E+00	1.06E+01	7.32E+00	4.92E-01	2.11E+01	2.61E+00	4.59E-04	8.03E-02	1.44E-02	2.71E+00	3.17E+00	1.06E+01	7.32E+00	4.92E-01	2.16E+01
5774	489244.59	3858920.19	15.181	14.3791	31.673	5.89334	2.48E+00	1.12E+01	6.14E+00	4.34E-01	2.02E+01	2.45E+00	4.83E-04	6.73E-02	1.27E-02	2.53E+00	2.97E+00	1.12E+01	6.14E+00	4.34E-01	2.07E+01
5775	489239.69	3858952.23	15.1971	14.9706	30.221	5.97517	2.49E+00	1.16E+01	5.86E+00	4.40E-01	2.04E+01	2.45E+00	5.03E-04	6.43E-02	1.29E-02	2.53E+00	2.97E+00	1.16E+01	5.86E+00	4.40E-01	2.09E+01
5776	489121.67	3858854.49	15.9146	14.1747	33.706	6.11469	2.60E+00	1.10E+01	6.54E+00	4.50E-01	2.06E+01	2.56E+00	4.76E-04	7.17E-02	1.32E-02	2.65E+00	3.11E+00	1.10E+01	6.54E+00	4.50E-01	2.11E+01
5777	489059.59	3858797.27	16.3249	13.8886	36.62	6.73594	2.67E+00	1.08E+01	7.10E+00	4.96E-01	2.10E+01	2.63E+00	4.67E-04	7.79E-02	1.45E-02	2.72E+00	3.19E+00	1.08E+01	7.10E+00	4.96E-01	2.16E+01
5778	488997.52	3858740.04	16.7594	14.737	39.765	7.12982	2.74E+00	1.14E+01	7.71E+00	5.25E-01	2.24E+01	2.70E+00	4.95E-04	8.45E-02	1.53E-02	2.80E+00	3.28E+00	1.14E+01	7.71E+00	5.25E-01	2.29E+01
5779	488935.44	3858682.82	17.1734	14.8556	43.214	6.52624	2.81E+00	1.15E+01	8.38E+00	4.80E-01	2.32E+01	2.77E+00	4.99E-04	9.19E-02	1.40E-02	2.87E+00	3.36E+00	1.15E+01	8.38E+00	4.80E-01	2.37E+01
5780	488869.17	3858848.43	18.9031	17.8314	27.82	7.12008	3.09E+00	1.38E+01	5.39E+00	5.24E-01	2.28E+01	3.05E+00	5.99E-04	5.92E-02	1.53E-02	3.12E+00	3.70E+00	1.38E+01	5.39E+00	5.24E-01	2.35E+01
5781	488932.48	3858892.69	18.8243	17.2175	27.072	7.18494	3.08E+00	1.34E+01	5.25E+00	5.29E-01	2.22E+01	3.03E+00	5.78E-04	5.76E-02	1.55E-02	3.11E+00	3.68E+00	1.34E+01	5.25E+00	5.29E-01	2.28E+01
5782	489063.27	3858977.17	18.5222	17.2506	26.423	7.01107	3.03E+00	1.34E+01	5.12E+00	5.16E-01	2.21E+01	2.98E+00	5.79E-04	5.62E-02	1.51E-02	3.06E+00	3.62E+00	1.34E+01	5.12E+00	5.16E-01	2.26E+01
5783	489248.2	3859117.15	15.3344	16.3793	26.626	5.49179	2.51E+00	1.27E+01	5.16E+00	4.04E-01	2.08E+01	2.47E+00	5.50E-04	5.66E-02	1.18E-02	2.54E+00	3.00E+00	1.27E+01	5.16E+00	4.04E-01	2.13E+01
5784	489296.25	3859049.22	15.2266	15.4756	28.382	5.29188	2.49E+00	1.20E+01	5.50E+00	3.90E-01	2.04E+01	2.45E+00	5.20E-04	6.03E-02	1.14E-02	2.53E+00	2.98E+00	1.20E+01	5.50E+00	3.90E-01	2.09E+01
5785	489353.38	3858993.96	14.8103	14.4642	30.858	5.23852	2.42E+00	1.12E+01	5.98E+00	3.86E-01	2.00E+01	2.39E+00	4.86E-04	6.56E-02	1.13E-02	2.46E+00	2.90E+00	1.12E+01	5.98E+00	3.86E-01	2.05E+01
5786	489537.24	3859120.22	16.2065	13.946	29.369	5.05417	2.65E+00	1.08E+01	5.69E+00	3.72E-01	1.95E+01	2.61E+00	4.68E-04	6.24E-02	1.09E-02	2.69E+00	3.17E+00	1.08E+01	5.69E+00	3.72E-01	2.01E+01
5787	489726.98	3859246.04	16.7717	13.4713	28.13	5.18682	2.74E+00	1.04E+01	5.45E+00	3.82E-01	1.90E+01	2.70E+00	4.53E-04	5.98E-02	1.12E-02	2.77E+00	3.28E+00	1.05E+01	5.45E+00	3.82E-01	1.96E+01
5788	489911.46	3859366.33	16.8178	12.8371	27.513	5.60765	2.75E+00	9.96E+00	5.33E+00	4.13E-01	1.85E+01	2.71E+00	4.31E-04	5.85E-02	1.21E-02	2.78E+00	3.29E+00	9.96E+00	5.33E+00	4.13E-01	1.90E+01
5789	490035.3	3859430.26	16.5728	12.6546	26.389	5.38468	2.71E+00	9.82E+00	5.12E+00	3.96E-01	1.80E+01	2.67E+00	4.25E-04	5.61E-02	1.16E-02	2.74E+00	3.24E+00	9.82E+00	5.12E+00	3.96E-01	1.86E+01
5790	490101.11	3859458.61	16.5189	12.389	25.989	5.26342	2.70E+00	9.61E+00	5.04E+00	3.88E-01	1.77E+01	2.66E+00	4.16E-04	5.53E-02	1.13E-02	2.73E+00	3.23E+00	9.61E+00	5.04E+00	3.88E-01	1.83E+01
5791	490312.68	3859560.3	16.2317	11.6427	24.592	5.11246	2.65E+00	9.03E+00	4.77E+00	3.76E-01	1.68E+01	2.62E+00	3.91E-04	5.23E-02	1.10E-02	2.68E+00	3.18E+00	9.03E+00	4.77E+00	3.76E-01	1.74E+01

5792	490401.63	3859603.12	16.2138	11.3438	24.065	5.02397	2.65E+00	8.80E+00	4.67E+00	3.70E-01	1.65E+01	2.61E+00	3.81E-04	5.12E-02	1.08E-02	2.67E+00	3.17E+00	8.80E+00	4.67E+00	3.70E-01	1.70E+01
5793	490490.57	3859645.94	16.0653	11.0104	23.542	4.89891	2.63E+00	8.54E+00	4.57E+00	3.61E-01	1.61E+01	2.59E+00	3.70E-04	5.01E-02	1.05E-02	2.65E+00	3.14E+00	8.54E+00	4.57E+00	3.61E-01	1.66E+01
5794	490579.51	3859688.76	16.0599	10.6231	23.087	4.94906	2.63E+00	8.24E+00	4.48E+00	3.64E-01	1.57E+01	2.59E+00	3.57E-04	4.91E-02	1.07E-02	2.65E+00	3.14E+00	8.24E+00	4.48E+00	3.64E-01	1.62E+01
5795	490668.45	3859731.58	16.1126	10.1406	22.871	5.05429	2.64E+00	7.87E+00	4.43E+00	3.72E-01	1.53E+01	2.60E+00	3.41E-04	4.86E-02	1.09E-02	2.66E+00	3.15E+00	7.87E+00	4.43E+00	3.72E-01	1.58E+01
5796	490757.4	3859774.4	15.9875	9.97607	22.314	5.13709	2.61E+00	7.74E+00	4.33E+00	3.78E-01	1.51E+01	2.58E+00	3.35E-04	4.74E-02	1.11E-02	2.63E+00	3.13E+00	7.74E+00	4.33E+00	3.78E-01	1.56E+01
5797	491003.53	3859861.82	15.372	9.40846	20.847	5.16735	2.51E+00	7.30E+00	4.04E+00	3.80E-01	1.42E+01	2.48E+00	3.16E-04	4.43E-02	1.11E-02	2.53E+00	3.01E+00	7.30E+00	4.04E+00	3.80E-01	1.47E+01
5798	491081.41	3859879.05	15.0698	9.28533	20.214	5.12914	2.46E+00	7.20E+00	3.92E+00	3.78E-01	1.40E+01	2.43E+00	3.12E-04	4.30E-02	1.10E-02	2.48E+00	2.95E+00	7.20E+00	3.92E+00	3.78E-01	1.44E+01
5799	491229.76	3859917.82	14.6998	9.0537	19.656	5.04998	2.40E+00	7.02E+00	3.81E+00	3.72E-01	1.36E+01	2.37E+00	3.04E-04	4.18E-02	1.09E-02	2.42E+00	2.88E+00	7.02E+00	3.81E+00	3.72E-01	1.41E+01
5800	491300.22	3859939.35	14.5641	8.94082	19.29	5.00811	2.38E+00	6.94E+00	3.74E+00	3.69E-01	1.34E+01	2.35E+00	3.00E-04	4.10E-02	1.08E-02	2.40E+00	2.85E+00	6.94E+00	3.74E+00	3.69E-01	1.39E+01
5801	491350.48	3860012.03	14.0786	8.76121	18.818	5.0619	2.30E+00	6.80E+00	3.65E+00	3.73E-01	1.31E+01	2.27E+00	2.94E-04	4.00E-02	1.09E-02	2.32E+00	2.75E+00	6.80E+00	3.65E+00	3.73E-01	1.36E+01
5802	491406.82	3860092.56	13.7216	8.62955	18.287	5.05157	2.24E+00	6.69E+00	3.55E+00	3.72E-01	1.29E+01	2.21E+00	2.90E-04	3.89E-02	1.09E-02	2.26E+00	2.69E+00	6.69E+00	3.55E+00	3.72E-01	1.33E+01
5803	491483.36	3860121.96	13.5198	8.48023	18.113	4.95834	2.21E+00	6.58E+00	3.51E+00	3.65E-01	1.27E+01	2.18E+00	2.85E-04	3.85E-02	1.07E-02	2.23E+00	2.65E+00	6.58E+00	3.51E+00	3.65E-01	1.31E+01
5804	491559.91	3860151.35	13.4131	8.33413	17.899	4.84778	2.19E+00	6.46E+00	3.47E+00	3.57E-01	1.25E+01	2.16E+00	2.80E-04	3.81E-02	1.04E-02	2.21E+00	2.62E+00	6.47E+00	3.47E+00	3.57E-01	1.29E+01
5805	491711.81	3860237.76	13.5049	8.03353	18.31	4.6516	2.21E+00	6.23E+00	3.55E+00	3.42E-01	1.23E+01	2.18E+00	2.70E-04	3.89E-02	1.00E-02	2.23E+00	2.64E+00	6.23E+00	3.55E+00	3.42E-01	1.28E+01
5806	491755.2	3860319.07	12.5793	8.08395	16.84	4.32342	2.06E+00	6.27E+00	3.27E+00	3.18E-01	1.19E+01	2.03E+00	2.72E-04	3.58E-02	9.31E-03	2.07E+00	2.46E+00	6.27E+00	3.27E+00	3.18E-01	1.23E+01
5807	491704.71	3860366.54	12.6542	8.38902	17.021	4.18787	2.07E+00	6.51E+00	3.30E+00	3.08E-01	1.22E+01	2.04E+00	2.82E-04	3.62E-02	9.02E-03	2.08E+00	2.48E+00	6.51E+00	3.30E+00	3.08E-01	1.26E+01
5808	491623.42	3860462.39	12.3974	9.11888	17.459	3.87277	2.03E+00	7.07E+00	3.39E+00	2.85E-01	1.28E+01	2.00E+00	3.06E-04	3.71E-02	8.34E-03	2.04E+00	2.43E+00	7.07E+00	3.39E+00	2.85E-01	1.32E+01
5809	491534.02	3860439.85	13.0974	9.72322	19.565	4.24185	2.14E+00	7.54E+00	3.79E+00	3.12E-01	1.38E+01	2.11E+00	3.27E-04	4.16E-02	9.13E-03	2.16E+00	2.56E+00	7.54E+00	3.79E+00	3.12E-01	1.42E+01
5810	491313.95	3860268.17	13.1272	9.35319	18.32	4.64457	2.15E+00	7.26E+00	3.55E+00	3.42E-01	1.33E+01	2.12E+00	3.14E-04	3.90E-02	1.00E-02	2.16E+00	2.57E+00	7.26E+00	3.55E+00	3.42E-01	1.37E+01
5811	491187.12	3860143.56	13.5067	9.28772	19.127	5.26451	2.21E+00	7.20E+00	3.71E+00	3.88E-01	1.35E+01	2.18E+00	3.12E-04	4.07E-02	1.13E-02	2.23E+00	2.64E+00	7.20E+00	3.71E+00	3.88E-01	1.39E+01
5812	491070.43	3860075.97	13.6689	9.46511	19.898	5.72655	2.24E+00	7.34E+00	3.86E+00	4.22E-01	1.39E+01	2.20E+00	3.18E-04	4.23E-02	1.23E-02	2.26E+00	2.67E+00	7.34E+00	3.86E+00	4.22E-01	1.43E+01
5813	490995.09	3860039.38	13.7862	9.59768	20.358	5.85214	2.25E+00	7.44E+00	3.95E+00	4.31E-01	1.41E+01	2.22E+00	3.22E-04	4.33E-02	1.26E-02	2.28E+00	2.70E+00	7.45E+00	3.95E+00	4.31E-01	1.45E+01
5814	490919.75	3860002.8	13.8731	9.72928	20.853	5.90923	2.27E+00	7.55E+00	4.04E+00	4.35E-01	1.43E+01	2.24E+00	3.27E-04	4.43E-02	1.27E-02	2.29E+00	2.71E+00	7.55E+00	4.04E+00	4.35E-01	1.47E+01
5815	490756.81	3859894.53	13.7518	10.0899	22.181	5.54659	2.25E+00	7.83E+00	4.30E+00	4.08E-01	1.48E+01	2.22E+00	3.39E-04	4.72E-02	1.19E-02	2.28E+00	2.69E+00	7.83E+00	4.30E+00	4.08E-01	1.52E+01
5816	490668.07	3859860.92	13.8442	10.3463	22.548	5.50251	2.26E+00	8.03E+00	4.37E+00	4.05E-01	1.51E+01	2.23E+00	3.48E-04	4.79E-02	1.18E-02	2.29E+00	2.71E+00	8.03E+00	4.37E+00	4.05E-01	1.55E+01
5817	490579.34	3859827.3	13.9194	10.6119	23.079	5.43952	2.28E+00	8.23E+00	4.48E+00	4.00E-01	1.54E+01	2.24E+00	3.56E-04	4.91E-02	1.17E-02	2.30E+00	2.72E+00	8.23E+00	4.48E+00	4.00E-01	1.58E+01
5818	490490.6	3859793.68	14.0664	10.913	23.379	5.36528	2.30E+00	8.47E+00	4.53E+00	3.95E-01	1.57E+01	2.27E+00	3.67E-04	4.97E-02	1.16E-02	2.33E+00	2.75E+00	8.47E+00	4.53E+00	3.95E-01	1.61E+01
5819	490401.86	3859760.07	14.3027	11.1776	23.678	5.28058	2.34E+00	8.67E+00	4.59E+00	3.89E-01	1.60E+01	2.30E+00	3.75E-04	5.03E-02	1.14E-02	2.37E+00	2.80E+00	8.67E+00	4.59E+00	3.89E-01	1.64E+01
5820	490313.12	3859726.45	14.4179	11.4908	24.031	5.19605	2.36E+00	8.91E+00	4.66E+00	3.83E-01	1.63E+01	2.32E+00	3.86E-04	5.11E-02	1.12E-02	2.39E+00	2.82E+00	8.91E+00	4.66E+00	3.83E-01	1.68E+01
5821	490224.39	3859692.83	14.4056	11.8045	24.616	5.12232	2.36E+00	9.16E+00	4.77E+00	3.77E-01	1.67E+01	2.32E+00	3.97E-04	5.23E-02	1.10E-02	2.38E+00	2.82E+00	9.16E+00	4.77E+00	3.77E-01	1.71E+01
5822	490135.65	3859659.22	14.4114	12.1793	25.37	5.15798	2.36E+00	9.45E+00	4.92E+00	3.80E-01	1.71E+01	2.32E+00	4.09E-04	5.39E-02	1.11E-02	2.39E+00	2.82E+00	9.45E+00	4.92E+00	3.80E-01	1.76E+01
5823	489918.18	3859559.23	14.5313	13.1743	26.803	5.41482	2.38E+00	1.02E+01	5.20E+00	3.99E-01	1.82E+01	2.34E+00	4.43E-04	5.70E-02	1.17E-02	2.41E+00	2.84E+00	1.02E+01	5.20E+00	3.99E-01	1.87E+01
5824	489743.61	3859486	14.9697	13.9389	27.778	5.7064	2.45E+00	1.08E+01	5.39E+00	4.20E-01	1.91E+01	2.41E+00	4.68E-04	5.91E-02	1.23E-02	2.48E+00	2.93E+00	1.08E+01	5.39E+00	4.20E-01	1.95E+01
5825	489660.32	3859440.27	15.0431	14.4384	27.649	5.52091	2.46E+00	1.12E+01	5.36E+00	4.06E-01	1.94E+01	2.42E+00	4.85E-04	5.88E-02	1.19E-02	2.50E+00	2.94E+00	1.12E+01	5.36E+00	4.06E-01	1.99E+01
5826	489577.04	3859394.53	15.1062	14.9422	27.381	5.31355	2.47E+00	1.16E+01	5.31E+00	3.91E-01	1.98E+01	2.43E+00	5.02E-04	5.82E-02	1.14E-02	2.50E+00	2.96E+00	1.16E+01	5.31E+00	3.91E-01	2.02E+01
5827	489493.75	3859348.8	15.2035	15.5126	26.886	5.08095	2.49E+00	1.20E+01	5.21E+00	3.74E-01	2.01E+01	2.45E+00	5.21E-04	5.72E-02	1.09E-02	2.52E+00	2.98E+00	1.20E+01	5.21E+00	3.74E-01	2.06E+01
5828	489321.28	3859240.02	14.9464	16.6515	25.304	5.76477	2.44E+00	1.29E+01	4.91E+00	4.24E-01	2.07E+01	2.41E+00	5.59E-04	5.38E-02	1.24E-02	2.48E+00	2.92E+00	1.29E+01	4.91E+00	4.24E-01	2.12E+01
5829	489235.41	3859193.96	14.2433	17.0382	23.928	5.82022	2.33E+00	1.32E+01	4.64E+00	4.29E-01	2.06E+01	2.30E+00	5.72E-04	5.09E-02	1.25E-02	2.36E+00	2.79E+00	1.32E+01	4.64E+00	4.29E-01	2.11E+01
5830	489149.54	3859147.89	16.9368	18.083	22.418	5.78501	2.77E+00	1.40E+01	4.35E+00	4.26E-01	2.16E+01	2.73E+00	6.07E-04	4.77E-02	1.25E-02	2.79E+00	3.31E+00	1.40E+01	4.35E+00	4.26E-01	2.21E+01
5831	489063.68	3859101.82	17.4235	18.7658	23.088	6.58375	2.85E+00	1.46E+01	4.48E+00	4.85E-01	2.24E+01	2.81E+00	6.30E-04	4.91E-02	1.42E-02	2.87E+00	3.41E+00	1.46E+01	4.48E+00	4.85E-01	2.29E+01
5832	488977.81	3859055.75	17.798	19.3876	24.35	8.1185	2.91E+00	1.50E+01	4.72E+00	5.98E-01	2.33E+01	2.87E+00	6.51E-04	5.18E-02	1.75E-02	2.94E+00	3.48E+00	1.50E+01	4.72E+00	5.98E-01	2.38E+01
5833	488891.94	3859009.69	18.1314	21.0726	25.622	8.31752	2.97E+00	1.63E+01	4.97E+00	6.12E-01	2.49E+01	2.92E+00	7.08E-04	5.45E-02	1.79E-02	2.99E+00	3.55E+00	1.63E+01	4.97E+00	6.12E-01	2.55E+01
5834	488808	3859060.73	18.6455	23.7186	26.364	8.66881	3.05E+00	1.84E+01	5.11E+00	6.38E-01	2.72E+01	3.00E+00	7.97E-04	5.61E-02	1.87E-02	3.08E+00	3.65E+00	1.84E+01	5.11E+00	6.38E-01	2.78E+01
5835	488809.93	3859157.85	18.4202	26.0768	24.48	9.72486	3.01E+00	2.02E+01	4.75E+00	7.16E-01	2.87E+01	2.97E+00	8.76E-04	5.20E-02	2.09E-02	3.04E+00	3.60E+00	2.02E+01	4.75E+00	7.16E-01	2.93E+01
5836	488811.85	3859254.96	17.9289	28.5581	22.132	7.86916	2.93E+00	2.22E+01	4.29E+00	5.79E-01	3.00E+01	2.89E+00	9.59E-04	4.71E-02	1.69E-02	2.95E+00	3.51E+00	2.22E+01	4.29E+00	5.79E-01	3.05E+01
5837	488813.78	3859352.07	18.1149	30.7911	20.211	8.30036	2.96E+00	2.39E+01	3.92E+00	6.11E-01	3.14E+01	2.92E+00	1.03E-03	4.30E-02	1.79E-02	2.98E+00	3.54E+00	2.39E+01	3.92E+00	6.11E-01	3.20E+01
5838	488815.71	3859449.19	17.9715	32.5469	19.469	8.29854	2.94E+00	2.52E+01	3.78E+00	6.11E-01	3.26E+01	2.90E+00	1.09E-03	4.14E-02	1.79E-02	2.96E+00	3.52E+00	2.52E+01	3.78E+00	6.11E-01	3.32E+01
5839	488910.04	3859547.1	17.8803	29.6781	18.73	9.07046	2.92E+00	2.30E+01	3.63E+00	6.68E-01	3.02E+01	2.88E+00	9.97E-04	3.98E-02	1.95E-02	2.94E+00	3.50E+00	2.30E+01	3.63E+00	6.68E-01	3.08E+01
5840	489002.45	3859547.91	17.7887	26.8409	19.702	7.89732	2.91E+00	2.08E+01	3.82E+00	5.81E-01	2.81E+01	2.87E+00	9.02E-04	4.19E-02	1.70E-02	2.93E+00	3.48E+00	2.08E+01	3.82E+00	5.81E-01	2.87E+01
5841	489094.85	3859548.71	17.4604	24.7635	20.615	7.36371	2.86E+00	1.92E+01	4.00E+00	5.42E-01	2.66E+01	2.81E+00	8.32E-04	4.38E-02	1.59E-02	2.87E+00	3.42E+00	1.92E+01	4.00E+00	5.42E-01	2.72E+01
5842	489230.05	3859601.87	17.2667	22.8192	19.832	6.77762	2.82E+00	1.77E+01	3.85E+00	4.99E-01	2.49E+01	2.78E+00	7.67E-04	4.22E-02	1.46E-02	2.84E+00	3.38E+00	1.77E+01	3.85E+00	4.99E-01	2.54E+01
5843	489227.52	3859680.89	16.933	23.2454	19.491	7.05402	2.77E+00	1.80E+01	3.78E+00	5.19E-01	2.51E+01	2.73E+00	7.81E-04	4.14E-02	1.52E-02	2.79E+00	3.31E+00	1.80E+01	3.78E+00	5.19E-01	2.56E+01
5844	489133.47	3859760.29	17.4657	24.0511	18.101	7.53046	2.86E+00	1.87E+01	3.51E+00	5.54E-01	2.56E+01	2.81E+00	8.08E-04	3.85E-02	1.62E-02	2.87E+00	3.42E+00	1.87E+01	3.51E+00	5.54E-01	2.61E+01
5845	489041.96	3859760.67	17.2987	24.289	17.264	8.3682	2.83E+00	1.88E+01	3.35E+00	6.16E-01	2.56E+01	2.79E+00	8.16E-04	3.67E-02	1.80E-02	2.84E+00	3.39E+00	1.88E+01	3.35E+00	6.16E-01	2.62E+01
5846	488950.45	3859761.05	17.479	23.9739	17.4	9.38246	2.86E+00	1.86E+01	3.37E+00	6.91E-01	2.55E+01	2.82E+00	8.05E-04	3.70E-02	2.02E-02	2.87E+00	3.42E+00	1.86E+01	3.37E+00	6.91E-01	2.61E+01
5847	488858.94	3859761.43	18.0394	23.4503	15.956	10.46413	2.95E+00	1.82E+01	3.09E+00	7.70E-01	2.50E+01	2.91E+00	7.88E-04	3.39E-02	2.25E-02	2.96E+00	3.53E+00	1.82E+01	3.09E+00	7.70E-01	2.56E+01
5848	488767.43	3859761.82	18.2848	23.5235	13.555	11.88927	2.99E+00	1.82E+01	2.63E+00	8.75E-01	2.47E+01	2.95E+00	7.90E-04	2.88E-02	2.56E-02	3.00E+00	3.58E+00	1.82E+01	2.63E+00	8.75E-01	2.53E+01
5849	488675.92	3859762.2	18.0605	24.143	11.02	14.25168	2.95E+00	1.87E+01	2.14E+00	1.05E+00	2.49E+01	2.91E+00	8.11E-04	2.34E-02	3.07E-02	2.97E+00	3.53E+00	1.87E+01	2.14E+00	1.05E+00	2.54E+01
5850	488584.41	3859762.58	17.9146	25.8616	10.812	18.57702	2.93E+00	2.01E+01	2.10E+00	1.37E+00	2.65E+01	2.89E+00	8.69E-04	2.30E-02	4.00E-02	2.95E+00	3.51E+00	2.01E+01	2.10E+00	1.37E+00	2.70E+01
5851	488492.9	3859762.96	17.6762	28.9228	11.209	21.57169	2.89E+00	2.24E+01	2.17E+00	1.59E+00	2.91E+01	2.85E+00	9.72E-04	2.38E-02	4.64E-02	2.92E+00	3.46E+00	2.24E+01	2.17E+00	1.59E+00	2.97E+01
5852	488402.76	3859830.95	17.1896	34.0393	12.505	35.07192	2.81E+00	2.64E+01	2.42E+00	2.58E+00	3.42E+01	2.77E+00	1.14E-03	2.66E-02	7.55E-02	2.87E+00	3.36E+00	2.64E+01	2.42E+00	2.58E+00	3.48E+01

5853	488404.14	3859898.55	16.9015	34.1806	12.797	22.58949	2.76E+00	2.65E+01	2.48E+00	1.66E+00	3.34E+01	2.72E+00	1.15E-03	2.72E-02	4.86E-02	2.80E+00	3.31E+00	2.65E+01	2.48E+00	1.66E+00	3.40E+01
5854	488505.18	3859964.96	17.1738	29.1294	11.713	18.8216	2.81E+00	2.26E+01	2.27E+00	1.39E+00	2.91E+01	2.77E+00	9.78E-04	2.49E-02	4.05E-02	2.83E+00	3.36E+00	2.26E+01	2.27E+00	1.39E+00	2.96E+01
5855	488604.84	3859963.76	17.2039	26.2128	11.024	18.32281	2.81E+00	2.03E+01	2.14E+00	1.35E+00	2.66E+01	2.77E+00	8.81E-04	2.34E-02	3.94E-02	2.84E+00	3.37E+00	2.03E+01	2.14E+00	1.35E+00	2.72E+01
5856	488704.51	3859962.56	17.319	24.0101	10.722	15.53118	2.83E+00	1.86E+01	2.08E+00	1.14E+00	2.47E+01	2.79E+00	8.07E-04	2.28E-02	3.34E-02	2.85E+00	3.39E+00	1.86E+01	2.08E+00	1.14E+00	2.52E+01
5857	488804.18	3859961.37	17.5431	22.3731	11.943	16.15626	2.87E+00	1.74E+01	2.32E+00	1.19E+00	2.37E+01	2.83E+00	7.52E-04	2.54E-02	3.48E-02	2.89E+00	3.43E+00	1.74E+01	2.32E+00	1.19E+00	2.43E+01
5858	488903.85	3859960.17	17.883	20.9968	14.028	18.83844	2.92E+00	1.63E+01	2.72E+00	1.39E+00	2.33E+01	2.88E+00	7.05E-04	2.98E-02	4.06E-02	2.95E+00	3.50E+00	1.63E+01	2.72E+00	1.39E+00	2.39E+01
5859	489003.52	3859958.97	17.6835	20.2801	16.035	18.90439	2.89E+00	1.57E+01	3.11E+00	1.39E+00	2.31E+01	2.85E+00	6.81E-04	3.41E-02	4.07E-02	2.92E+00	3.46E+00	1.57E+01	3.11E+00	1.39E+00	2.37E+01
5860	489103.18	3859957.77	17.1279	19.9307	16.51	16.89708	2.80E+00	1.55E+01	3.20E+00	1.24E+00	2.27E+01	2.76E+00	6.70E-04	3.51E-02	3.64E-02	2.83E+00	3.35E+00	1.55E+01	3.20E+00	1.24E+00	2.33E+01
5861	489201.48	3860046.59	16.7681	18.9	16.045	14.4507	2.74E+00	1.47E+01	3.11E+00	1.06E+00	2.16E+01	2.70E+00	6.35E-04	3.41E-02	3.11E-02	2.77E+00	3.28E+00	1.47E+01	3.11E+00	1.06E+00	2.21E+01
5862	489200.11	3860136.61	16.9388	18.5484	16.114	9.13304	2.77E+00	1.44E+01	3.12E+00	6.72E-01	2.10E+01	2.73E+00	6.23E-04	3.43E-02	1.97E-02	2.78E+00	3.31E+00	1.44E+01	3.12E+00	6.72E-01	2.15E+01
5863	489198.74	3860226.63	16.9135	18.6517	15.873	9.25262	2.77E+00	1.45E+01	3.08E+00	6.81E-01	2.10E+01	2.73E+00	6.27E-04	3.37E-02	1.99E-02	2.78E+00	3.31E+00	1.45E+01	3.08E+00	6.81E-01	2.15E+01
5864	489197.38	3860316.65	16.7946	23.9352	15.329	11.78339	2.75E+00	1.86E+01	2.97E+00	8.68E-01	2.52E+01	2.71E+00	8.04E-04	3.26E-02	2.54E-02	2.76E+00	3.29E+00	1.86E+01	2.97E+00	8.68E-01	2.57E+01
5865	489196.01	3860406.68	16.2482	28.4475	14.638	10.33806	2.66E+00	2.21E+01	2.84E+00	7.61E-01	2.83E+01	2.62E+00	9.56E-04	3.11E-02	2.23E-02	2.67E+00	3.18E+00	2.21E+01	2.84E+00	7.61E-01	2.88E+01
5866	489194.64	3860496.7	15.6029	31.7763	13.711	10.34741	2.55E+00	2.46E+01	2.66E+00	7.62E-01	3.06E+01	2.51E+00	1.07E-03	2.92E-02	2.23E-02	2.57E+00	3.05E+00	2.47E+01	2.66E+00	7.62E-01	3.11E+01
5867	489193.27	3860586.72	15.162	34.0984	13.116	11.18325	2.48E+00	2.65E+01	2.54E+00	8.23E-01	3.23E+01	2.44E+00	1.15E-03	2.79E-02	2.41E-02	2.50E+00	2.97E+00	2.65E+01	2.54E+00	8.23E-01	3.28E+01
5868	489092.02	3860678.13	14.5868	30.9852	11.131	11.26039	2.39E+00	2.40E+01	2.16E+00	8.29E-01	2.94E+01	2.35E+00	1.04E-03	2.37E-02	2.42E-02	2.40E+00	2.85E+00	2.40E+01	2.16E+00	8.29E-01	2.99E+01
5869	488992.13	3860679.52	14.5696	30.4905	10.208	10.20448	2.38E+00	2.37E+01	1.98E+00	7.51E-01	2.88E+01	2.35E+00	1.02E-03	2.17E-02	2.20E-02	2.39E+00	2.85E+00	2.37E+01	1.98E+00	7.51E-01	2.92E+01
5870	488892.24	3860680.92	14.691	29.8261	10.271	9.15039	2.40E+00	2.31E+01	1.99E+00	6.74E-01	2.82E+01	2.37E+00	1.00E-03	2.18E-02	1.97E-02	2.41E+00	2.87E+00	2.31E+01	1.99E+00	6.74E-01	2.87E+01
5871	488792.36	3860682.31	15.199	29.193	10.571	7.81123	2.49E+00	2.26E+01	2.05E+00	5.75E-01	2.78E+01	2.45E+00	9.81E-04	2.25E-02	1.68E-02	2.49E+00	2.97E+00	2.26E+01	2.05E+00	5.75E-01	2.82E+01
5872	488692.47	3860683.7	15.5897	28.7537	11.485	8.30686	2.55E+00	2.23E+01	2.23E+00	6.12E-01	2.77E+01	2.51E+00	9.66E-04	2.44E-02	1.79E-02	2.56E+00	3.05E+00	2.23E+01	2.23E+00	6.12E-01	2.82E+01
5873	488592.59	3860685.1	15.6716	27.9295	11.891	11.02336	2.56E+00	2.17E+01	2.31E+00	8.12E-01	2.73E+01	2.53E+00	9.38E-04	2.53E-02	2.37E-02	2.58E+00	3.07E+00	2.17E+01	2.31E+00	8.12E-01	2.79E+01
5874	488492.71	3860686.49	15.3234	27.6058	13.629	10.66908	2.51E+00	2.14E+01	2.64E+00	7.86E-01	2.73E+01	2.47E+00	9.27E-04	2.90E-02	2.30E-02	2.52E+00	3.00E+00	2.14E+01	2.64E+00	7.86E-01	2.78E+01
5875	488299.07	3860762.18	13.2053	24.9023	16.479	5.62199	2.16E+00	1.93E+01	3.20E+00	4.14E-01	2.51E+01	2.13E+00	8.37E-04	3.50E-02	1.21E-02	2.18E+00	2.58E+00	1.93E+01	3.20E+00	4.14E-01	2.55E+01
5876	488205.32	3860764.09	12.4444	24.013	17.812	3.8557	2.04E+00	1.86E+01	3.45E+00	2.84E-01	2.44E+01	2.01E+00	8.07E-04	3.79E-02	8.30E-03	2.05E+00	2.44E+00	1.86E+01	3.45E+00	2.84E-01	2.48E+01
5877	488111.56	3860766	11.7472	22.3099	19.352	4.58637	1.92E+00	1.73E+01	3.75E+00	3.38E-01	2.33E+01	1.89E+00	7.49E-04	4.11E-02	9.87E-03	1.94E+00	2.30E+00	1.73E+01	3.75E+00	3.38E-01	2.37E+01
5878	488017.81	3860767.91	11.4542	19.9485	20.67	5.89458	1.87E+00	1.55E+01	4.01E+00	4.34E-01	2.18E+01	1.85E+00	6.70E-04	4.39E-02	1.27E-02	1.90E+00	2.24E+00	1.55E+01	4.01E+00	4.34E-01	2.22E+01
5879	487924.06	3860769.81	11.2673	19.0946	22.048	7.1318	1.84E+00	1.48E+01	4.28E+00	5.25E-01	2.15E+01	1.82E+00	6.41E-04	4.69E-02	1.54E-02	1.88E+00	2.20E+00	1.48E+01	4.28E+00	5.25E-01	2.18E+01
5880	487830.31	3860771.72	11.073	17.8495	22.218	8.24113	1.81E+00	1.38E+01	4.31E+00	6.07E-01	2.06E+01	1.78E+00	6.00E-04	4.72E-02	1.77E-02	1.85E+00	2.17E+00	1.38E+01	4.31E+00	6.07E-01	2.09E+01
5881	487736.55	3860773.63	10.7169	17.0362	21.37	8.13758	1.75E+00	1.32E+01	4.14E+00	5.99E-01	1.97E+01	1.73E+00	5.72E-04	4.54E-02	1.75E-02	1.79E+00	2.10E+00	1.32E+01	4.14E+00	5.99E-01	2.01E+01
5882	487642.8	3860775.54	10.4323	16.8351	19.652	8.10779	1.71E+00	1.31E+01	3.81E+00	5.97E-01	1.92E+01	1.68E+00	5.66E-04	4.18E-02	1.75E-02	1.74E+00	2.04E+00	1.31E+01	3.81E+00	5.97E-01	1.95E+01
5883	487549.48	3860684.71	10.3981	16.7124	17.273	7.84987	1.70E+00	1.30E+01	3.35E+00	5.78E-01	1.86E+01	1.68E+00	5.61E-04	3.67E-02	1.69E-02	1.73E+00	2.03E+00	1.30E+01	3.35E+00	5.78E-01	1.89E+01
5884	487549.91	3860591.97	10.6803	17.4121	17.017	5.10734	1.75E+00	1.35E+01	3.30E+00	3.76E-01	1.89E+01	1.72E+00	5.85E-04	3.62E-02	1.10E-02	1.77E+00	2.09E+00	1.35E+01	3.30E+00	3.76E-01	1.93E+01
5885	487550.34	3860499.23	11.0016	17.6043	16.798	4.58984	1.80E+00	1.37E+01	3.26E+00	3.38E-01	1.91E+01	1.77E+00	5.91E-04	3.57E-02	9.88E-03	1.82E+00	2.15E+00	1.37E+01	3.26E+00	3.38E-01	1.94E+01
5886	487550.76	3860406.49	11.3576	18.0565	16.53	4.33104	1.86E+00	1.40E+01	3.21E+00	3.19E-01	1.94E+01	1.83E+00	6.07E-04	3.51E-02	9.32E-03	1.88E+00	2.22E+00	1.40E+01	3.21E+00	3.19E-01	1.98E+01
5887	487551.19	3860313.75	11.7514	18.614	15.948	5.76886	1.92E+00	1.44E+01	3.09E+00	4.25E-01	1.99E+01	1.89E+00	6.25E-04	3.39E-02	1.24E-02	1.94E+00	2.30E+00	1.44E+01	3.09E+00	4.25E-01	2.03E+01
5888	487551.62	3860221.01	12.1486	19.1419	15.284	5.71002	1.99E+00	1.48E+01	2.96E+00	4.20E-01	2.02E+01	1.96E+00	6.43E-04	3.25E-02	1.23E-02	2.00E+00	2.38E+00	1.48E+01	2.96E+00	4.20E-01	2.06E+01
5889	487552.05	3860128.27	12.596	19.5172	14.617	4.96719	2.06E+00	1.51E+01	2.83E+00	3.66E-01	2.04E+01	2.03E+00	6.56E-04	3.11E-02	1.07E-02	2.07E+00	2.46E+00	1.51E+01	2.83E+00	3.66E-01	2.08E+01
5890	487552.48	3860035.53	13.0103	20.3084	13.826	5.86984	2.13E+00	1.58E+01	2.68E+00	4.32E-01	2.10E+01	2.10E+00	6.82E-04	2.94E-02	1.26E-02	2.14E+00	2.55E+00	1.58E+01	2.68E+00	4.32E-01	2.14E+01
5891	487552.91	3859942.79	13.3393	20.4755	12.838	6.52183	2.18E+00	1.59E+01	2.49E+00	4.80E-01	2.10E+01	2.15E+00	6.88E-04	2.73E-02	1.40E-02	2.19E+00	2.61E+00	1.59E+01	2.49E+00	4.80E-01	2.15E+01
5892	487553.33	3859850.05	13.7872	21.3248	11.917	6.71502	2.26E+00	1.65E+01	2.31E+00	4.94E-01	2.16E+01	2.22E+00	7.16E-04	2.53E-02	1.45E-02	2.26E+00	2.70E+00	1.65E+01	2.31E+00	4.94E-01	2.20E+01
5893	487553.76	3859757.31	14.1469	22.9886	11.167	10.82914	2.31E+00	1.78E+01	2.17E+00	7.97E-01	2.31E+01	2.28E+00	7.72E-04	2.37E-02	2.33E-02	2.33E+00	2.77E+00	1.78E+01	2.17E+00	7.97E-01	2.36E+01
5894	487554.19	3859664.57	14.6665	25.3614	10.425	16.6189	2.40E+00	1.97E+01	2.02E+00	1.22E+00	2.53E+01	2.36E+00	8.52E-04	2.22E-02	3.58E-02	2.42E+00	2.87E+00	1.97E+01	2.02E+00	1.22E+00	2.58E+01
5895	487460.2	3859571.05	14.6708	28.9683	9.343	13.80103	2.40E+00	2.25E+01	1.81E+00	1.02E+00	2.77E+01	2.36E+00	9.73E-04	1.99E-02	2.97E-02	2.41E+00	2.87E+00	2.25E+01	1.81E+00	1.02E+00	2.82E+01
5896	487365.78	3859570.27	14.3476	28.593	7.8862	13.35392	2.35E+00	2.22E+01	1.53E+00	9.83E-01	2.70E+01	2.31E+00	9.60E-04	1.68E-02	2.87E-02	2.36E+00	2.81E+00	2.22E+01	1.53E+00	9.83E-01	2.75E+01
5897	487271.36	3859569.48	13.871	28.0629	7.3303	13.46676	2.27E+00	2.18E+01	1.42E+00	9.91E-01	2.65E+01	2.24E+00	9.43E-04	1.56E-02	2.90E-02	2.28E+00	2.71E+00	2.18E+01	1.42E+00	9.91E-01	2.69E+01
5898	487176.94	3859568.7	13.3037	27.2418	8.1671	13.1651	2.18E+00	2.11E+01	1.58E+00	9.69E-01	2.59E+01	2.14E+00	9.15E-04	1.74E-02	2.83E-02	2.19E+00	2.60E+00	2.11E+01	1.58E+00	9.69E-01	2.63E+01
5899	487082.51	3859567.92	12.6594	26.28	8.8876	13.04358	2.07E+00	2.04E+01	1.72E+00	9.60E-01	2.51E+01	2.04E+00	8.83E-04	1.89E-02	2.81E-02	2.09E+00	2.48E+00	2.04E+01	1.72E+00	9.60E-01	2.55E+01
5900	486988.09	3859567.14	12.0858	25.0372	13.118	11.5648	1.98E+00	1.94E+01	2.54E+00	8.51E-01	2.48E+01	1.95E+00	8.41E-04	2.79E-02	2.49E-02	2.00E+00	2.36E+00	1.94E+01	2.54E+00	8.51E-01	2.52E+01
5901	486893.67	3859566.36	11.7414	23.0786	17.226	11.82208	1.92E+00	1.79E+01	3.34E+00	8.70E-01	2.40E+01	1.89E+00	7.75E-04	3.66E-02	2.55E-02	1.95E+00	2.30E+00	1.79E+01	3.34E+00	8.70E-01	2.44E+01
5902	486799.25	3859565.58	11.3939	19.3195	20.723	9.62984	1.86E+00	1.50E+01	4.02E+00	7.09E-01	2.16E+01	1.84E+00	6.49E-04	4.41E-02	2.07E-02	1.90E+00	2.23E+00	1.50E+01	4.02E+00	7.09E-01	2.19E+01
5903	486704.83	3859564.79	11.065	16.3504	22.952	9.77418	1.81E+00	1.27E+01	4.45E+00	7.20E-01	1.97E+01	1.78E+00	5.49E-04	4.88E-02	2.10E-02	1.85E+00	2.17E+00	1.27E+01	4.45E+00	7.20E-01	2.00E+01
5904	486610.41	3859564.01	10.7764	15.1441	24.491	9.35069	1.76E+00	1.17E+01	4.75E+00	6.88E-01	1.89E+01	1.74E+00	5.09E-04	5.21E-02	2.01E-02	1.81E+00	2.11E+00	1.17E+01	4.75E+00	6.88E-01	1.93E+01
5905	486515.99	3859563.23	10.5134	14.5265	26.093	8.56754	1.72E+00	1.13E+01	5.06E+00	6.31E-01	1.87E+01	1.69E+00	4.88E-04	5.55E-02	1.84E-02	1.77E+00	2.06E+00	1.13E+01	5.06E+00	6.31E-01	1.90E+01
5906	486421.57	3859562.45	10.3512	13.9311	26.184	8.02966	1.69E+00	1.08E+01	5.08E+00	5.91E-01	1.82E+01	1.67E+00	4.68E-04	5.57E-02	1.73E-02	1.74E+00	2.03E+00	1.08E+01	5.08E+00	5.91E-01	1.85E+01
5907	486327.14	3859561.67	10.1638	13.3455	25.964	7.59217	1.66E+00	1.04E+01	5.03E+00	5.59E-01	1.76E+01	1.64E+00	4.48E-04	5.52E-02	1.63E-02	1.71E+00	1.99E+00	1.04E+01	5.03E+00	5.59E-01	1.79E+01
5908	486232.72	3859560.89	9.8842	12.7968	25.373	7.26655	1.62E+00	9.93E+00	4.92E+00	5.35E-01	1.70E+01	1.59E+00	4.30E-04	5.39E-02	1.56E-02	1.66E+00	1.93E+00	9.93E+00	4.92E+00	5.35E-01	1.73E+01
5909	486138.3	3859560.1	9.72177	12.4672	25.083	6.92736	1.59E+00	9.67E+00	4.86E+00	5.10E-01	1.66E+01	1.57E+00	4.19E-04	5.33E-02	1.49E-02	1.64E+00	1.90E+00	9.67E+00	4.86E+00	5.10E-01	1.69E+01
5910	486043.88	3859559.32	9.52664	12.3323	25.21	6.57444	1.56E+00	9.57E+00	4.89E+00	4.84E-01	1.65E+01	1.54E+00	4.14E-04	5.36E-02	1.42E-02	1.60E+00	1.86E+00	9.57E+00	4.89E+00	4.84E-01	1.68E+01
5911	485949.35	3859463.54	9.49263	13.119	26.349	7.02129	1.55E+00	1.02E+01	5.11E+00	5.17E-01	1.74E+01	1.53E+00	4.41E-04	5.60E-02	1.51E-02	1.60E+00	1.86E+00	1.02E+01	5.11E+00	5.17E-01	1.77E+01
5912	485949.24	3859368.55	9.69676	13.7958	25.793	7.39168	1.59E+00	1.07E+01	5.00E+00	5.44E-01	1.78E+01	1.56E+00	4.63E-04	5.48E-02	1.59E-02	1.63E+00	1.90E+00	1.07E+01	5.00E+00	5.44E-01	1.81E+01
5913	485949.12	3859273.55	9.92064	14.609	25.601	7.51298	1.62E+00	1.13E+01	4.96E+00	5.53E-01	1.85E+01	1.60E+00	4.91E-04	5.44E-02	1.62E-02	1.67E+00	1.94E+00	1.13E+01	4.96E+00	5.53E-01	1.88E+01

5914	485949.01	3859178.56	10.1423	15.6085	27.612	7.55355	1.66E+00	1.21E+01	5.35E+00	5.56E-01	1.97E+01	1.63E+00	5.24E-04	5.87E-02	1.63E-02	1.71E+00	1.98E+00	1.21E+01	5.35E+00	5.56E-01	2.00E+01
5915	485948.9	3859083.56	10.3946	17.418	29.31	7.84794	1.70E+00	1.35E+01	5.68E+00	5.78E-01	2.15E+01	1.67E+00	5.85E-04	6.23E-02	1.69E-02	1.75E+00	2.03E+00	1.35E+01	5.68E+00	5.78E-01	2.18E+01
5916	485948.79	3858988.56	10.6194	19.8921	30.64	8.55866	1.74E+00	1.54E+01	5.94E+00	6.30E-01	2.37E+01	1.71E+00	6.68E-04	6.51E-02	1.84E-02	1.80E+00	2.08E+00	1.54E+01	5.94E+00	6.30E-01	2.41E+01
5917	485948.67	3858893.57	10.8428	21.338	31.933	8.21229	1.77E+00	1.66E+01	6.19E+00	6.05E-01	2.51E+01	1.75E+00	7.17E-04	6.79E-02	1.77E-02	1.83E+00	2.12E+00	1.66E+01	6.19E+00	6.05E-01	2.55E+01
5918	485948.56	3858798.57	11.122	21.6156	31.76	7.37908	1.82E+00	1.68E+01	6.16E+00	5.43E-01	2.53E+01	1.79E+00	7.26E-04	6.75E-02	1.59E-02	1.88E+00	2.18E+00	1.68E+01	6.16E+00	5.43E-01	2.56E+01
5919	485948.45	3858703.58	11.3175	22.3913	30.767	6.47885	1.85E+00	1.74E+01	5.97E+00	4.77E-01	2.57E+01	1.82E+00	7.52E-04	6.54E-02	1.39E-02	1.90E+00	2.21E+00	1.74E+01	5.97E+00	4.77E-01	2.60E+01
5920	485948.34	3858608.58	11.6471	23.3311	28.789	6.99504	1.91E+00	1.81E+01	5.58E+00	5.15E-01	2.61E+01	1.88E+00	7.84E-04	6.12E-02	1.51E-02	1.95E+00	2.28E+00	1.81E+01	5.58E+00	5.15E-01	2.65E+01
5921	485948.22	3858513.59	12.0059	23.42	28.698	6.62816	1.96E+00	1.82E+01	5.56E+00	4.88E-01	2.62E+01	1.93E+00	7.87E-04	6.10E-02	1.43E-02	2.01E+00	2.35E+00	1.82E+01	5.56E+00	4.88E-01	2.66E+01
5922	485948.11	3858418.59	12.3494	22.9022	28.151	6.24073	2.02E+00	1.78E+01	5.46E+00	4.59E-01	2.57E+01	1.99E+00	7.69E-04	5.99E-02	1.34E-02	2.06E+00	2.42E+00	1.78E+01	5.46E+00	4.59E-01	2.61E+01
5923	485948	3858323.59	12.7601	23.0807	26.195	5.77075	2.09E+00	1.79E+01	5.08E+00	4.25E-01	2.55E+01	2.06E+00	7.75E-04	5.57E-02	1.24E-02	2.12E+00	2.50E+00	1.79E+01	5.08E+00	4.25E-01	2.59E+01
5924	485947.89	3858228.6	13.1216	24.1618	24.425	5.83899	2.15E+00	1.87E+01	4.74E+00	4.30E-01	2.61E+01	2.11E+00	8.12E-04	5.19E-02	1.26E-02	2.18E+00	2.57E+00	1.87E+01	4.74E+00	4.30E-01	2.65E+01
5925	485947.77	3858133.6	13.5767	25.4798	24.807	5.84609	2.22E+00	1.98E+01	4.81E+00	4.30E-01	2.72E+01	2.19E+00	8.56E-04	5.27E-02	1.26E-02	2.25E+00	2.66E+00	1.98E+01	4.81E+00	4.30E-01	2.77E+01
5926	485947.66	3858038.61	14.2344	25.953	25.921	5.24253	2.33E+00	2.01E+01	5.03E+00	3.86E-01	2.79E+01	2.29E+00	8.72E-04	5.51E-02	1.13E-02	2.36E+00	2.79E+00	2.01E+01	5.03E+00	3.86E-01	2.83E+01
5927	485854.54	3857943.35	14.0442	23.7811	25.301	5.29129	2.30E+00	1.84E+01	4.91E+00	3.90E-01	2.60E+01	2.26E+00	7.99E-04	5.38E-02	1.14E-02	2.33E+00	2.75E+00	1.84E+01	4.91E+00	3.90E-01	2.65E+01
5928	485761.52	3857943.09	13.4996	21.93	24.668	6.37733	2.21E+00	1.70E+01	4.78E+00	4.70E-01	2.45E+01	2.18E+00	7.37E-04	5.24E-02	1.37E-02	2.24E+00	2.64E+00	1.70E+01	4.78E+00	4.70E-01	2.49E+01
5929	485668.51	3857942.83	13.026	20.3349	24.124	6.60052	2.13E+00	1.58E+01	4.68E+00	4.86E-01	2.31E+01	2.10E+00	6.83E-04	5.13E-02	1.42E-02	2.17E+00	2.55E+00	1.58E+01	4.68E+00	4.86E-01	2.35E+01
5930	485575.5	3857942.56	12.6065	18.9042	23.517	5.92404	2.06E+00	1.47E+01	4.56E+00	4.36E-01	2.17E+01	2.03E+00	6.35E-04	5.00E-02	1.28E-02	2.09E+00	2.47E+00	1.47E+01	4.56E+00	4.36E-01	2.21E+01
5931	485482.48	3857942.3	12.2083	18.1812	23.077	5.29217	2.00E+00	1.41E+01	4.47E+00	3.90E-01	2.10E+01	1.97E+00	6.11E-04	4.91E-02	1.14E-02	2.03E+00	2.39E+00	1.41E+01	4.47E+00	3.90E-01	2.14E+01
5932	485389.47	3857942.04	11.8109	17.6015	22.661	5.11254	1.93E+00	1.37E+01	4.39E+00	3.76E-01	2.04E+01	1.90E+00	5.91E-04	4.82E-02	1.10E-02	1.96E+00	2.31E+00	1.37E+01	4.39E+00	3.76E-01	2.07E+01
5933	485296.46	3857941.78	11.5295	17.0481	22.257	5.27838	1.89E+00	1.32E+01	4.32E+00	3.89E-01	1.98E+01	1.86E+00	5.73E-04	4.73E-02	1.14E-02	1.92E+00	2.26E+00	1.32E+01	4.32E+00	3.89E-01	2.02E+01
5934	485203.45	3857941.52	11.2725	16.5898	21.902	5.3032	1.84E+00	1.29E+01	4.25E+00	3.90E-01	1.93E+01	1.82E+00	5.57E-04	4.66E-02	1.14E-02	1.87E+00	2.21E+00	1.29E+01	4.25E+00	3.90E-01	1.97E+01
5935	485110.43	3857941.26	11.071	16.2814	21.509	4.83683	1.81E+00	1.26E+01	4.17E+00	3.56E-01	1.90E+01	1.78E+00	5.47E-04	4.57E-02	1.04E-02	1.84E+00	2.17E+00	1.26E+01	4.17E+00	3.56E-01	1.93E+01
5936	485017.42	3857940.99	10.8445	16.1498	21.108	4.24611	1.77E+00	1.25E+01	4.09E+00	3.13E-01	1.87E+01	1.75E+00	5.42E-04	4.49E-02	9.14E-03	1.80E+00	2.12E+00	1.25E+01	4.09E+00	3.13E-01	1.91E+01
5937	484924.41	3857940.73	10.6065	16.037	20.722	3.38291	1.73E+00	1.24E+01	4.02E+00	2.49E-01	1.84E+01	1.71E+00	5.39E-04	4.41E-02	7.28E-03	1.76E+00	2.08E+00	1.24E+01	4.02E+00	2.49E-01	1.88E+01
5938	484831.39	3857940.47	10.4209	16.0745	20.37	4.23559	1.70E+00	1.25E+01	3.95E+00	3.12E-01	1.84E+01	1.68E+00	5.40E-04	4.33E-02	9.12E-03	1.73E+00	2.04E+00	1.25E+01	3.95E+00	3.12E-01	1.88E+01
5939	484738.12	3857859.3	10.4136	16.8656	19.528	5.98149	1.70E+00	1.31E+01	3.79E+00	4.40E-01	1.90E+01	1.68E+00	5.67E-04	4.15E-02	1.29E-02	1.73E+00	2.04E+00	1.31E+01	3.79E+00	4.40E-01	1.93E+01
5940	484737.85	3857778.4	10.6535	17.7822	18.841	6.27923	1.74E+00	1.38E+01	3.65E+00	4.62E-01	1.97E+01	1.72E+00	5.97E-04	4.01E-02	1.35E-02	1.77E+00	2.08E+00	1.38E+01	3.65E+00	4.62E-01	2.00E+01
5941	484737.59	3857697.49	10.8909	18.6394	18.731	6.67402	1.78E+00	1.45E+01	3.63E+00	4.91E-01	2.04E+01	1.75E+00	6.26E-04	3.98E-02	1.44E-02	1.81E+00	2.13E+00	1.45E+01	3.63E+00	4.91E-01	2.07E+01
5942	484737.32	3857616.59	11.1033	19.8014	19.092	7.03016	1.82E+00	1.54E+01	3.70E+00	5.18E-01	2.14E+01	1.79E+00	6.65E-04	4.06E-02	1.51E-02	1.85E+00	2.17E+00	1.54E+01	3.70E+00	5.18E-01	2.18E+01
5943	484645.53	3857535.18	11.186	21.2476	19.337	7.29985	1.83E+00	1.65E+01	3.75E+00	5.37E-01	2.26E+01	1.80E+00	7.14E-04	4.11E-02	1.57E-02	1.86E+00	2.19E+00	1.65E+01	3.75E+00	5.37E-01	2.30E+01
5944	484553.99	3857534.67	11.0531	21.7018	18.87	5.12163	1.81E+00	1.68E+01	3.66E+00	3.77E-01	2.27E+01	1.78E+00	7.29E-04	4.01E-02	1.10E-02	1.83E+00	2.16E+00	1.68E+01	3.66E+00	3.77E-01	2.30E+01
5945	484462.46	3857534.17	10.9576	21.6304	18.444	6.92172	1.79E+00	1.68E+01	3.58E+00	5.10E-01	2.27E+01	1.77E+00	7.27E-04	3.92E-02	1.49E-02	1.82E+00	2.14E+00	1.68E+01	3.58E+00	5.10E-01	2.30E+01
5946	484370.93	3857533.66	10.8439	21.6943	18.111	5.46352	1.77E+00	1.68E+01	3.51E+00	4.02E-01	2.25E+01	1.75E+00	7.29E-04	3.85E-02	1.18E-02	1.80E+00	2.12E+00	1.68E+01	3.51E+00	4.02E-01	2.29E+01
5947	484279.4	3857533.16	10.7385	20.7632	17.789	3.5568	1.76E+00	1.61E+01	3.45E+00	2.62E-01	2.16E+01	1.73E+00	6.97E-04	3.78E-02	7.66E-03	1.78E+00	2.10E+00	1.61E+01	3.45E+00	2.62E-01	2.19E+01
5948	484187.86	3857532.65	10.616	18.1635	17.455	5.98048	1.74E+00	1.41E+01	3.38E+00	4.40E-01	1.97E+01	1.71E+00	6.10E-04	3.71E-02	1.29E-02	1.76E+00	2.08E+00	1.41E+01	3.38E+00	4.40E-01	2.00E+01
5949	484096.33	3857532.15	10.5229	15.78	17.151	8.07166	1.72E+00	1.22E+01	3.33E+00	5.94E-01	1.79E+01	1.70E+00	5.30E-04	3.65E-02	1.74E-02	1.75E+00	2.06E+00	1.22E+01	3.33E+00	5.94E-01	1.82E+01
5950	484004.8	3857531.64	10.3913	13.9275	16.818	8.5251	1.70E+00	1.08E+01	3.26E+00	6.28E-01	1.64E+01	1.67E+00	4.68E-04	3.58E-02	1.84E-02	1.73E+00	2.03E+00	1.08E+01	3.26E+00	6.28E-01	1.67E+01
5951	483913.27	3857531.14	10.224	12.3816	16.46	9.73948	1.67E+00	9.60E+00	3.19E+00	7.17E-01	1.52E+01	1.65E+00	4.16E-04	3.50E-02	2.10E-02	1.70E+00	2.00E+00	9.60E+00	3.19E+00	7.17E-01	1.55E+01
5952	483821.73	3857530.63	10.0987	11.441	16.142	11.19301	1.65E+00	8.87E+00	3.13E+00	8.24E-01	1.45E+01	1.63E+00	3.84E-04	3.43E-02	2.41E-02	1.69E+00	1.98E+00	8.88E+00	3.13E+00	8.24E-01	1.48E+01
5953	483729.61	3857450.11	10.2639	11.4278	16.248	13.83097	1.68E+00	8.86E+00	3.15E+00	1.02E+00	1.47E+01	1.65E+00	3.84E-04	3.45E-02	2.98E-02	1.72E+00	2.01E+00	8.87E+00	3.15E+00	1.02E+00	1.50E+01
5954	483729.03	3857370.08	10.6656	12.4546	17.006	13.46984	1.74E+00	9.66E+00	3.30E+00	9.92E-01	1.57E+01	1.72E+00	4.18E-04	3.62E-02	2.90E-02	1.78E+00	2.09E+00	9.66E+00	3.30E+00	9.92E-01	1.60E+01
5955	483728.44	3857290.06	10.9309	13.9939	18.711	11.75384	1.79E+00	1.09E+01	3.63E+00	8.65E-01	1.71E+01	1.76E+00	4.70E-04	3.98E-02	2.53E-02	1.83E+00	2.14E+00	1.09E+01	3.63E+00	8.65E-01	1.75E+01
5956	483727.86	3857210.03	11.1391	15.4173	20.319	12.36856	1.82E+00	1.20E+01	3.94E+00	9.11E-01	1.86E+01	1.79E+00	5.18E-04	4.32E-02	2.66E-02	1.87E+00	2.18E+00	1.20E+01	3.94E+00	9.11E-01	1.90E+01
5957	483641.15	3857129.07	11.3394	15.4785	21.151	11.29913	1.85E+00	1.20E+01	4.10E+00	8.32E-01	1.88E+01	1.83E+00	5.20E-04	4.50E-02	2.43E-02	1.90E+00	2.22E+00	1.20E+01	4.10E+00	8.32E-01	1.92E+01
5958	483555.03	3857128.14	11.2019	14.2015	20.691	11.56613	1.83E+00	1.10E+01	4.01E+00	8.52E-01	1.77E+01	1.80E+00	4.77E-04	4.40E-02	2.49E-02	1.87E+00	2.19E+00	1.10E+01	4.01E+00	8.52E-01	1.81E+01
5959	483468.91	3857127.2	10.9894	13.7008	20.154	11.27684	1.80E+00	1.06E+01	3.91E+00	8.30E-01	1.72E+01	1.77E+00	4.60E-04	4.28E-02	2.43E-02	1.84E+00	2.15E+00	1.06E+01	3.91E+00	8.30E-01	1.75E+01
5960	483382.78	3857126.26	10.9023	12.843	19.735	11.08755	1.78E+00	9.96E+00	3.83E+00	8.16E-01	1.64E+01	1.76E+00	4.31E-04	4.20E-02	2.39E-02	1.82E+00	2.13E+00	9.96E+00	3.83E+00	8.16E-01	1.67E+01
5961	483296.66	3857125.32	10.7578	12.2595	19.263	15.52833	1.76E+00	9.51E+00	3.74E+00	1.14E+00	1.61E+01	1.73E+00	4.12E-04	4.10E-02	3.34E-02	1.81E+00	2.11E+00	9.51E+00	3.74E+00	1.14E+00	1.65E+01
5962	483210.54	3857124.39	10.6014	11.7962	18.773	11.28385	1.73E+00	9.15E+00	3.64E+00	8.31E-01	1.54E+01	1.71E+00	3.96E-04	3.99E-02	2.43E-02	1.77E+00	2.07E+00	9.15E+00	3.64E+00	8.31E-01	1.57E+01
5963	483123.4	3857030.96	10.7063	12.1788	19.684	7.99505	1.75E+00	9.45E+00	3.82E+00	5.89E-01	1.56E+01	1.73E+00	4.09E-04	4.19E-02	1.72E-02	1.78E+00	2.10E+00	9.45E+00	3.82E+00	5.89E-01	1.59E+01
5964	483122.38	3856938.46	10.9729	13.6483	20.687	6.68884	1.79E+00	1.06E+01	4.01E+00	4.92E-01	1.69E+01	1.77E+00	4.58E-04	4.40E-02	1.44E-02	1.83E+00	2.15E+00	1.06E+01	4.01E+00	4.92E-01	1.72E+01
5965	483121.35	3856845.97	11.2369	14.9113	21.205	4.4759	1.84E+00	1.16E+01	4.11E+00	3.30E-01	1.78E+01	1.81E+00	5.01E-04	4.51E-02	9.64E-03	1.87E+00	2.20E+00	1.16E+01	4.11E+00	3.30E-01	1.82E+01
5966	483120.33	3856753.47	11.4891	16.7375	21.105	3.48927	1.88E+00	1.30E+01	4.09E+00	2.57E-01	1.92E+01	1.85E+00	5.62E-04	4.49E-02	7.51E-03	1.90E+00	2.25E+00	1.30E+01	4.09E+00	2.57E-01	1.96E+01
5967	483119.31	3856660.98	11.8137	18.9856	20.51	3.72477	1.93E+00	1.47E+01	3.98E+00	2.74E-01	2.09E+01	1.90E+00	6.38E-04	4.36E-02	8.02E-03	1.96E+00	2.31E+00	1.47E+01	3.98E+00	2.74E-01	2.13E+01
5968	483118.29	3856568.49	12.1263	21.0412	19.652	4.1825	1.98E+00	1.63E+01	3.81E+00	3.08E-01	2.24E+01	1.95E+00	7.07E-04	4.18E-02	9.00E-03	2.01E+00	2.37E+00	1.63E+01	3.81E+00	3.08E-01	2.28E+01
5969	483117.26	3856475.99	12.4419	22.8164	18.877	3.93648	2.03E+00	1.77E+01	3.66E+00	2.90E-01	2.37E+01	2.00E+00	7.66E-04	4.01E-02	8.47E-03	2.05E+00	2.43E+00	1.77E+01	3.66E+00	2.90E-01	2.41E+01
5970	483116.24	3856383.5	12.7861	24.9435	18.124	3.89827	2.09E+00	1.93E+01	3.51E+00	2.87E-01	2.52E+01	2.06E+00	8.38E-04	3.85E-02	8.39E-03	2.11E+00	2.50E+00	1.93E+01	3.51E+00	2.87E-01	2.57E+01
5971	483115.22	3856291.01	13.3467	27.4431	17.3	5.25534	2.18E+00	2.13E+01	3.35E+00	3.87E-01	2.72E+01	2.15E+00	9.22E-04	3.68E-02	1.13E-02	2.20E+00	2.61E+00	2.13E+01	3.35E+00	3.87E-01	2.76E+01
5972	483114.2	3856198.51	13.9094	29.8687	16.079	5.78944	2.28E+00	2.32E+01	3.12E+00	4.26E-01	2.90E+01	2.24E+00	1.00E-03	3.42E-02	1.25E-02	2.29E+00	2.72E+00	2.32E+01	3.12E+00	4.26E-01	2.94E+01
5973	483113.17	3856106.02	14.4755	30.9237	14.646	6.86899	2.37E+00	2.40E+01	2.84E+00	5.06E-01	2.97E+01	2.33E+00	1.04E-03	3.11E-02	1.48E-02	2.38E+00	2.83E+00	2.40E+01	2.84E+00	5.06E-01	3.02E+01
5974	483112.15	3856013.52	14.8697	31.8036	13.751	7.93072	2.43E+00	2.47E+01	2.67E+00	5.84E-01	3.04E+01	2.40E+00	1.07E-03	2.92E-02	1.71E-02	2.44E+00	2.91E+00	2.47E+01	2.67E+00	5.84E-01	3.08E+01

5975	483029.25	3855920.47	15.2529	30.0911	13.792	7.25332	2.49E+00	2.33E+01	2.67E+00	5.34E-01	2.90E+01	2.46E+00	1.01E-03	2.93E-02	1.56E-02	2.50E+00	2.98E+00	2.33E+01	2.67E+00	5.34E-01	2.95E+01
5976	482947.37	3855919.91	14.8991	28.9871	13.694	6.90711	2.44E+00	2.25E+01	2.66E+00	5.09E-01	2.81E+01	2.40E+00	9.74E-04	2.91E-02	1.49E-02	2.45E+00	2.92E+00	2.25E+01	2.66E+00	5.09E-01	2.86E+01
5977	482865.49	3855919.36	14.525	27.8158	13.498	6.85011	2.38E+00	2.16E+01	2.62E+00	5.04E-01	2.71E+01	2.34E+00	9.34E-04	2.87E-02	1.47E-02	2.38E+00	2.84E+00	2.16E+01	2.62E+00	5.04E-01	2.75E+01
5978	482783.61	3855918.8	14.3219	26.2153	13.861	6.74429	2.34E+00	2.03E+01	2.69E+00	4.97E-01	2.59E+01	2.31E+00	8.81E-04	2.95E-02	1.45E-02	2.35E+00	2.80E+00	2.03E+01	2.69E+00	4.97E-01	2.63E+01
5979	482700.33	3855818.39	14.6602	25.8445	13.443	7.46376	2.40E+00	2.00E+01	2.61E+00	5.50E-01	2.56E+01	2.36E+00	8.68E-04	2.86E-02	1.61E-02	2.41E+00	2.87E+00	2.00E+01	2.61E+00	5.50E-01	2.61E+01
5980	482698.92	3855718.54	15.3658	25.7482	13.456	8.82495	2.51E+00	2.00E+01	2.61E+00	6.50E-01	2.57E+01	2.48E+00	8.65E-04	2.86E-02	1.90E-02	2.52E+00	3.01E+00	2.00E+01	2.61E+00	6.50E-01	2.62E+01
5981	482697.52	3855618.68	15.9037	27.2241	12.807	9.03822	2.60E+00	2.11E+01	2.48E+00	6.65E-01	2.69E+01	2.56E+00	9.14E-04	2.72E-02	1.95E-02	2.61E+00	3.11E+00	2.11E+01	2.48E+00	6.65E-01	2.74E+01
5982	482696.11	3855518.83	16.5862	27.1854	11.648	7.30601	2.71E+00	2.11E+01	2.26E+00	5.38E-01	2.66E+01	2.67E+00	9.13E-04	2.48E-02	1.57E-02	2.71E+00	3.25E+00	2.11E+01	2.26E+00	5.38E-01	2.71E+01
5983	482694.71	3855418.98	17.1651	26.5356	10.058	5.99024	2.81E+00	2.06E+01	1.95E+00	4.41E-01	2.58E+01	2.77E+00	8.91E-04	2.14E-02	1.29E-02	2.80E+00	3.36E+00	2.06E+01	1.95E+00	4.41E-01	2.63E+01
5984	482693.3	3855319.13	17.7843	25.8769	8.5186	5.20858	2.91E+00	2.01E+01	1.65E+00	3.83E-01	2.50E+01	2.87E+00	8.69E-04	1.81E-02	1.12E-02	2.90E+00	3.48E+00	2.01E+01	1.65E+00	3.83E-01	2.56E+01
5985	482691.9	3855219.27	18.58	25.8328	7.2354	8.62428	3.04E+00	2.00E+01	1.40E+00	6.35E-01	2.51E+01	2.99E+00	8.68E-04	1.54E-02	1.86E-02	3.03E+00	3.64E+00	2.00E+01	1.40E+00	6.35E-01	2.57E+01
5986	482690.49	3855119.42	18.643	26.7463	6.2358	13.16955	3.05E+00	2.07E+01	1.21E+00	9.70E-01	2.60E+01	3.00E+00	8.98E-04	1.33E-02	2.84E-02	3.05E+00	3.65E+00	2.07E+01	1.21E+00	9.70E-01	2.66E+01
5987	482689.09	3855019.57	19.3372	25.3806	5.9455	13.89283	3.16E+00	1.97E+01	1.15E+00	1.02E+00	2.50E+01	3.12E+00	8.53E-04	1.26E-02	2.99E-02	3.16E+00	3.78E+00	1.97E+01	1.15E+00	1.02E+00	2.56E+01
5988	482687.68	3854919.71	19.2214	24.1042	5.9645	8.76034	3.14E+00	1.87E+01	1.16E+00	6.45E-01	2.36E+01	3.10E+00	8.10E-04	1.27E-02	1.89E-02	3.13E+00	3.76E+00	1.87E+01	1.16E+00	6.45E-01	2.43E+01
5989	482686.28	3854819.86	19.2424	21.1372	5.9675	7.29726	3.15E+00	1.64E+01	1.16E+00	5.37E-01	2.12E+01	3.10E+00	7.10E-04	1.27E-02	1.57E-02	3.13E+00	3.77E+00	1.64E+01	1.16E+00	5.37E-01	2.19E+01
5990	482684.88	3854720.01	18.5688	18.8308	6.2357	6.90601	3.04E+00	1.46E+01	1.21E+00	5.08E-01	1.94E+01	2.99E+00	6.33E-04	1.33E-02	1.49E-02	3.02E+00	3.63E+00	1.46E+01	1.21E+00	5.08E-01	2.00E+01
5991	482683.47	3854620.16	16.9739	15.6122	6.5485	6.64548	2.78E+00	1.21E+01	1.27E+00	4.89E-01	1.66E+01	2.74E+00	5.24E-04	1.39E-02	1.43E-02	2.76E+00	3.32E+00	1.21E+01	1.27E+00	4.89E-01	1.72E+01
5992	482682.07	3854520.31	16.146	13.7618	6.7489	6.89209	2.64E+00	1.07E+01	1.31E+00	5.07E-01	1.51E+01	2.60E+00	4.62E-04	1.43E-02	1.48E-02	2.63E+00	3.16E+00	1.07E+01	1.31E+00	5.07E-01	1.57E+01
5993	482680.66	3854420.45	17.3777	12.6055	6.8686	7.52138	2.84E+00	9.78E+00	1.33E+00	5.54E-01	1.45E+01	2.80E+00	4.23E-04	1.46E-02	1.62E-02	2.83E+00	3.40E+00	9.78E+00	1.33E+00	5.54E-01	1.51E+01
5994	482679.26	3854320.6	18.5741	11.8493	6.9483	7.73479	3.04E+00	9.19E+00	1.35E+00	5.69E-01	1.41E+01	2.99E+00	3.98E-04	1.48E-02	1.67E-02	3.02E+00	3.63E+00	9.19E+00	1.35E+00	5.69E-01	1.47E+01
5995	482677.85	3854220.75	21.0631	11.1046	6.9446	7.17429	3.45E+00	8.61E+00	1.35E+00	5.28E-01	1.39E+01	3.39E+00	3.73E-04	1.48E-02	1.54E-02	3.42E+00	4.12E+00	8.61E+00	1.35E+00	5.28E-01	1.46E+01
5996	482676.45	3854120.9	21.7464	10.7036	7.1479	6.21934	3.56E+00	8.30E+00	1.39E+00	4.58E-01	1.37E+01	3.50E+00	3.60E-04	1.52E-02	1.34E-02	3.53E+00	4.26E+00	8.30E+00	1.39E+00	4.58E-01	1.44E+01
5997	482675.04	3854021.04	21.5323	9.92671	7.2926	5.55499	3.52E+00	7.70E+00	1.41E+00	4.09E-01	1.30E+01	3.47E+00	3.33E-04	1.55E-02	1.20E-02	3.50E+00	4.21E+00	7.70E+00	1.41E+00	4.09E-01	1.37E+01
5998	482673.64	3853921.19	21.6124	9.2178	7.3906	5.43472	3.53E+00	7.15E+00	1.43E+00	4.00E-01	1.25E+01	3.48E+00	3.10E-04	1.57E-02	1.17E-02	3.51E+00	4.23E+00	7.15E+00	1.43E+00	4.00E-01	1.32E+01
5999	482672.23	3853821.34	22.3199	8.60003	7.4484	5.52774	3.65E+00	6.67E+00	1.44E+00	4.07E-01	1.22E+01	3.60E+00	2.89E-04	1.58E-02	1.19E-02	3.62E+00	4.37E+00	6.67E+00	1.44E+00	4.07E-01	1.29E+01
6000	482670.83	3853721.48	22.4747	8.25015	7.6923	5.49934	3.68E+00	6.40E+00	1.49E+00	4.05E-01	1.20E+01	3.62E+00	2.77E-04	1.64E-02	1.18E-02	3.65E+00	4.40E+00	6.40E+00	1.49E+00	4.05E-01	1.27E+01
6001	482669.42	3853621.63	22.7053	8.06695	7.8621	5.38097	3.71E+00	6.26E+00	1.52E+00	3.96E-01	1.19E+01	3.66E+00	2.71E-04	1.67E-02	1.16E-02	3.69E+00	4.44E+00	6.26E+00	1.52E+00	3.96E-01	1.26E+01
6002	482645.99	3853446.13	20.8589	7.76731	7.9504	4.91773	3.41E+00	6.03E+00	1.54E+00	3.62E-01	1.13E+01	3.36E+00	2.61E-04	1.69E-02	1.06E-02	3.39E+00	4.08E+00	6.03E+00	1.54E+00	3.62E-01	1.20E+01
6003	482623.97	3853370.48	21.2908	7.74285	7.9205	4.71989	3.48E+00	6.01E+00	1.54E+00	3.47E-01	1.14E+01	3.43E+00	2.60E-04	1.68E-02	1.02E-02	3.46E+00	4.17E+00	6.01E+00	1.54E+00	3.47E-01	1.21E+01
6004	482601.94	3853294.84	21.9322	7.69272	7.867	4.52614	3.59E+00	5.97E+00	1.53E+00	3.33E-01	1.14E+01	3.53E+00	2.58E-04	1.67E-02	9.74E-03	3.56E+00	4.29E+00	5.97E+00	1.53E+00	3.33E-01	1.21E+01
6005	482531.29	3853133.44	22.4996	7.48915	7.6865	4.1531	3.68E+00	5.81E+00	1.49E+00	3.06E-01	1.13E+01	3.63E+00	2.52E-04	1.63E-02	8.94E-03	3.65E+00	4.40E+00	5.81E+00	1.49E+00	3.06E-01	1.20E+01
6006	482482.68	3853047.69	22.4755	7.30352	7.5724	3.94354	3.68E+00	5.67E+00	1.47E+00	2.90E-01	1.11E+01	3.62E+00	2.45E-04	1.61E-02	8.49E-03	3.65E+00	4.40E+00	5.67E+00	1.47E+00	2.90E-01	1.18E+01
6007	482383.09	3852897.4	22.2499	7.07598	7.3618	3.47074	3.64E+00	5.49E+00	1.43E+00	2.56E-01	1.08E+01	3.59E+00	2.38E-04	1.57E-02	7.47E-03	3.61E+00	4.35E+00	5.49E+00	1.43E+00	2.56E-01	1.15E+01
6008	482265.64	3852765.26	21.7027	6.69995	7.195	3.07527	3.55E+00	5.20E+00	1.40E+00	2.26E-01	1.04E+01	3.50E+00	2.25E-04	1.53E-02	6.62E-03	3.52E+00	4.25E+00	5.20E+00	1.40E+00	2.26E-01	1.11E+01
6009	482199.16	3852697.66	21.3966	6.5327	7.1167	3.01804	3.50E+00	5.07E+00	1.38E+00	2.22E-01	1.02E+01	3.45E+00	2.19E-04	1.51E-02	6.50E-03	3.47E+00	4.19E+00	5.07E+00	1.38E+00	2.22E-01	1.09E+01
6010	482132.69	3852630.07	21.0899	6.34236	7.0398	2.97659	3.45E+00	4.92E+00	1.37E+00	2.19E-01	9.95E+00	3.40E+00	2.13E-04	1.50E-02	6.41E-03	3.42E+00	4.13E+00	4.92E+00	1.37E+00	2.19E-01	1.06E+01
6011	482066.21	3852562.48	20.7941	6.11251	6.9641	2.93662	3.40E+00	4.74E+00	1.35E+00	2.16E-01	9.71E+00	3.35E+00	2.05E-04	1.48E-02	6.32E-03	3.37E+00	4.07E+00	4.74E+00	1.35E+00	2.16E-01	1.04E+01
6012	481999.74	3852494.89	20.4977	5.94127	6.8894	2.89296	3.35E+00	4.61E+00	1.34E+00	2.13E-01	9.51E+00	3.30E+00	2.00E-04	1.46E-02	6.23E-03	3.32E+00	4.01E+00	4.61E+00	1.34E+00	2.13E-01	1.02E+01
6013	481933.26	3852427.29	20.2119	5.98304	6.816	2.85199	3.31E+00	4.64E+00	1.32E+00	2.10E-01	9.48E+00	3.26E+00	2.01E-04	1.45E-02	6.14E-03	3.28E+00	3.96E+00	4.64E+00	1.32E+00	2.10E-01	1.01E+01
6014	481866.79	3852359.7	19.9677	5.99631	6.7441	2.83364	3.27E+00	4.65E+00	1.31E+00	2.09E-01	9.43E+00	3.22E+00	2.01E-04	1.43E-02	6.10E-03	3.24E+00	3.91E+00	4.65E+00	1.31E+00	2.09E-01	1.01E+01
6015	481800.31	3852292.11	19.7326	5.98074	6.6733	2.81906	3.23E+00	4.64E+00	1.29E+00	2.08E-01	9.37E+00	3.18E+00	2.01E-04	1.42E-02	6.07E-03	3.20E+00	3.86E+00	4.64E+00	1.29E+00	2.08E-01	1.00E+01
6016	481733.84	3852224.52	19.4978	5.96762	6.6036	2.8387	3.19E+00	4.63E+00	1.28E+00	2.09E-01	9.31E+00	3.14E+00	2.00E-04	1.40E-02	6.11E-03	3.16E+00	3.82E+00	4.63E+00	1.28E+00	2.09E-01	9.93E+00
6017	481667.36	3852156.92	19.2728	5.93561	6.5351	2.84565	3.15E+00	4.60E+00	1.27E+00	2.10E-01	9.23E+00	3.11E+00	1.99E-04	1.39E-02	6.13E-03	3.13E+00	3.77E+00	4.60E+00	1.27E+00	2.10E-01	9.85E+00
6018	481600.89	3852089.33	19.0286	5.96468	6.4673	2.78982	3.11E+00	4.63E+00	1.25E+00	2.05E-01	9.20E+00	3.07E+00	2.00E-04	1.38E-02	6.01E-03	3.09E+00	3.72E+00	4.63E+00	1.25E+00	2.05E-01	9.81E+00
6019	481534.41	3852021.74	18.7841	5.97198	6.4005	2.71556	3.07E+00	4.63E+00	1.24E+00	2.00E-01	9.15E+00	3.03E+00	2.01E-04	1.36E-02	5.85E-03	3.05E+00	3.68E+00	4.63E+00	1.24E+00	2.00E-01	9.75E+00
6020	481467.94	3851954.15	18.5501	5.91299	6.3349	2.6592	3.03E+00	4.59E+00	1.23E+00	1.96E-01	9.04E+00	2.99E+00	1.99E-04	1.35E-02	5.72E-03	3.01E+00	3.63E+00	4.59E+00	1.23E+00	1.96E-01	9.64E+00
6021	481401.46	3851886.55	18.3239	5.7693	6.2704	2.62569	3.00E+00	4.48E+00	1.22E+00	1.93E-01	8.88E+00	2.95E+00	1.94E-04	1.33E-02	5.65E-03	2.97E+00	3.59E+00	4.48E+00	1.22E+00	1.93E-01	9.47E+00
6022	481265.87	3851761.43	17.9911	5.63249	6.167	2.49427	2.94E+00	4.37E+00	1.20E+00	1.84E-01	8.69E+00	2.90E+00	1.89E-04	1.31E-02	5.37E-03	2.92E+00	3.52E+00	4.37E+00	1.20E+00	1.84E-01	9.27E+00
6023	481196.74	3851703.89	17.8609	5.52544	6.1277	2.47114	2.92E+00	4.29E+00	1.19E+00	1.82E-01	8.58E+00	2.88E+00	1.86E-04	1.30E-02	5.32E-03	2.90E+00	3.50E+00	4.29E+00	1.19E+00	1.82E-01	9.15E+00
6024	481076.33	3851619.04	17.6881	5.69712	6.0881	2.40209	2.89E+00	4.42E+00	1.18E+00	1.77E-01	8.67E+00	2.85E+00	1.91E-04	1.29E-02	5.17E-03	2.87E+00	3.46E+00	4.42E+00	1.18E+00	1.77E-01	9.24E+00
6025	480939.8	3851549.07	17.5118	5.92763	6.0847	2.36714	2.86E+00	4.60E+00	1.18E+00	1.74E-01	8.82E+00	2.82E+00	1.99E-04	1.29E-02	5.10E-03	2.84E+00	3.43E+00	4.60E+00	1.18E+00	1.74E-01	9.38E+00
6026	480854.56	3851506.41	17.2129	5.97363	6.0792	2.37399	2.82E+00	4.63E+00	1.18E+00	1.75E-01	8.80E+00	2.77E+00	2.01E-04	1.29E-02	5.11E-03	2.79E+00	3.37E+00	4.63E+00	1.18E+00	1.75E-01	9.36E+00
6027	480769.32	3851463.75	16.8065	5.90544	6.0698	2.38464	2.75E+00	4.58E+00	1.18E+00	1.76E-01	8.68E+00	2.71E+00	1.98E-04	1.29E-02	5.13E-03	2.73E+00	3.29E+00	4.58E+00	1.18E+00	1.76E-01	9.22E+00
6028	480684.08	3851421.08	16.3653	5.88958	6.0567	2.39311	2.68E+00	4.57E+00	1.17E+00	1.76E-01	8.60E+00	2.64E+00	1.98E-04	1.29E-02	5.15E-03	2.66E+00	3.20E+00	4.57E+00	1.17E+00	1.76E-01	9.12E+00
6029	480598.84	3851378.42	15.8718	6.05717	6.04	2.37831	2.60E+00	4.70E+00	1.17E+00	1.75E-01	8.64E+00	2.56E+00	2.03E-04	1.28E-02	5.12E-03	2.58E+00	3.11E+00	4.70E+00	1.17E+00	1.75E-01	9.15E+00
6030	480435.71	3851275.01	15.2337	6.16662	5.9782	2.37453	2.49E+00	4.78E+00	1.16E+00	1.75E-01	8.61E+00	2.45E+00	2.07E-04	1.27E-02	5.11E-03	2.47E+00	2.98E+00	4.78E+00	1.16E+00	1.75E-01	9.10E+00
6031	480347.85	3851232.36	14.7349	6.29829	5.9547	2.36417	2.41E+00	4.89E+00	1.15E+00	1.74E-01	8.62E+00	2.37E+00	2.12E-04	1.27E-02	5.09E-03	2.39E+00	2.88E+00	4.89E+00	1.15E+00	1.74E-01	9.10E+00
6032	480260	3851189.72	14.1608	6.43643	5.9276	2.35608	2.32E+00	4.99E+00	1.15E+00	1.73E-01	8.63E+00	2.28E+00	2.16E-04	1.26E-02	5.07E-03	2.30E+00	2.77E+00	4.99E+00	1.15E+00	1.73E-01	9.09E+00
6033	480172.15	3851147.07	13.5625	6.56293	5.8971	2.34832	2.22E+00	5.09E+00	1.14E+00	1.73E-01	8.63E+00	2.19E+00	2.20E-04	1.25E-02	5.06E-03	2.20E+00	2.65E+00	5.09E+00	1.14E+00	1.73E-01	9.06E+00
6034	480084.29	3851104.42	13.114	6.65007	5.8634	2.35817	2.14E+00	5.16E+00	1.14E+00	1.74E-01	8.61E+00	2.11E+00	2.23E-04	1.25E-02	5.08E-03	2.13E+00	2.57E+00	5.16E+00	1.14E+00	1.74E-01	9.04E+00
6035	479996.44	3851061.77	12.6365	6.699	5.8267	2.37873	2.07E+00	5.20E+00	1.13E+00	1.75E-01	8.57E+00	2.04E+00	2.25E-04	1.24E-02	5.12E-03	2.05E+00	2.47E+00	5.20E+00	1.13E+00	1.75E-01	8.97E+00

6036	479908.58	3851019.13	12.1225	6.5681	5.787	2.47588	1.98E+00	5.09E+00	1.12E+00	1.82E-01	8.38E+00	1.95E+00	2.21E-04	1.23E-02	5.33E-03	1.97E+00	2.37E+00	5.10E+00	1.12E+00	1.82E-01	8.77E+00
6037	479820.73	3850976.48	11.5978	6.58997	5.7446	2.47655	1.90E+00	5.11E+00	1.11E+00	1.82E-01	8.31E+00	1.87E+00	2.21E-04	1.22E-02	5.33E-03	1.89E+00	2.27E+00	5.11E+00	1.11E+00	1.82E-01	8.68E+00
6038	479732.88	3850933.83	11.0432	6.61252	5.6996	2.46403	1.81E+00	5.13E+00	1.11E+00	1.81E-01	8.22E+00	1.78E+00	2.22E-04	1.21E-02	5.30E-03	1.80E+00	2.16E+00	5.13E+00	1.11E+00	1.81E-01	8.58E+00
6039	479645.02	3850891.18	10.4674	6.66099	5.6523	2.43119	1.71E+00	5.17E+00	1.10E+00	1.79E-01	8.15E+00	1.69E+00	2.24E-04	1.20E-02	5.23E-03	1.70E+00	2.05E+00	5.17E+00	1.10E+00	1.79E-01	8.49E+00
6040	479557.17	3850848.54	10.1792	6.77662	5.6028	2.37675	1.66E+00	5.26E+00	1.09E+00	1.75E-01	8.18E+00	1.64E+00	2.28E-04	1.19E-02	5.12E-03	1.66E+00	1.99E+00	5.26E+00	1.09E+00	1.75E-01	8.51E+00
6041	479469.32	3850805.89	10.1587	6.77219	5.5511	2.38426	1.66E+00	5.25E+00	1.08E+00	1.76E-01	8.17E+00	1.64E+00	2.27E-04	1.18E-02	5.13E-03	1.65E+00	1.99E+00	5.25E+00	1.08E+00	1.76E-01	8.49E+00
6042	479381.46	3850763.24	10.0926	6.9392	5.4977	2.33644	1.65E+00	5.38E+00	1.07E+00	1.72E-01	8.27E+00	1.63E+00	2.33E-04	1.17E-02	5.03E-03	1.64E+00	1.97E+00	5.38E+00	1.07E+00	1.72E-01	8.60E+00
6043	479293.61	3850720.59	9.98449	7.21351	5.4426	2.25119	1.63E+00	5.60E+00	1.06E+00	1.66E-01	8.45E+00	1.61E+00	2.42E-04	1.16E-02	4.85E-03	1.63E+00	1.95E+00	5.60E+00	1.06E+00	1.66E-01	8.77E+00
6044	479205.76	3850677.95	9.88462	7.43454	5.3859	2.18862	1.62E+00	5.77E+00	1.04E+00	1.61E-01	8.59E+00	1.59E+00	2.50E-04	1.15E-02	4.71E-03	1.61E+00	1.93E+00	5.77E+00	1.04E+00	1.61E-01	8.91E+00
6045	479117.9	3850635.3	9.83308	7.69293	5.3278	2.11838	1.61E+00	5.97E+00	1.03E+00	1.56E-01	8.76E+00	1.58E+00	2.58E-04	1.13E-02	4.56E-03	1.60E+00	1.92E+00	5.97E+00	1.03E+00	1.56E-01	9.08E+00
6046	479030.05	3850592.65	9.75061	7.83218	5.2684	2.07304	1.59E+00	6.08E+00	1.02E+00	1.53E-01	8.84E+00	1.57E+00	2.63E-04	1.12E-02	4.46E-03	1.59E+00	1.91E+00	6.08E+00	1.02E+00	1.53E-01	9.16E+00
6047	478942.19	3850550	9.86432	7.70707	5.2075	2.08669	1.61E+00	5.98E+00	1.01E+00	1.54E-01	8.76E+00	1.59E+00	2.59E-04	1.11E-02	4.49E-03	1.61E+00	1.93E+00	5.98E+00	1.01E+00	1.54E-01	9.07E+00
6048	478854.34	3850507.36	10.4731	7.18262	5.1448	2.17324	1.71E+00	5.57E+00	9.98E-01	1.60E-01	8.44E+00	1.69E+00	2.41E-04	1.09E-02	4.68E-03	1.70E+00	2.05E+00	5.57E+00	9.98E-01	1.60E-01	8.78E+00
6049	478766.49	3850464.71	10.8235	7.01492	5.0817	2.1748	1.77E+00	5.44E+00	9.85E-01	1.60E-01	8.36E+00	1.74E+00	2.36E-04	1.08E-02	4.68E-03	1.76E+00	2.12E+00	5.44E+00	9.85E-01	1.60E-01	8.71E+00
6050	478678.63	3850422.06	11.0428	7.02179	5.0178	2.16421	1.81E+00	5.45E+00	9.73E-01	1.59E-01	8.39E+00	1.78E+00	2.36E-04	1.07E-02	4.66E-03	1.79E+00	2.16E+00	5.45E+00	9.73E-01	1.59E-01	8.74E+00
6051	478590.78	3850379.41	11.2419	6.96635	4.9532	2.16114	1.84E+00	5.40E+00	9.60E-01	1.59E-01	8.36E+00	1.81E+00	2.34E-04	1.05E-02	4.65E-03	1.83E+00	2.20E+00	5.40E+00	9.60E-01	1.59E-01	8.72E+00
6052	478502.93	3850336.77	11.3282	6.96737	4.8881	2.14146	1.85E+00	5.40E+00	9.48E-01	1.58E-01	8.36E+00	1.83E+00	2.34E-04	1.04E-02	4.61E-03	1.84E+00	2.22E+00	5.40E+00	9.48E-01	1.58E-01	8.73E+00
6053	478415.07	3850294.12	11.332	6.98255	4.8225	2.11694	1.85E+00	5.42E+00	9.35E-01	1.56E-01	8.36E+00	1.83E+00	2.35E-04	1.03E-02	4.56E-03	1.84E+00	2.22E+00	5.42E+00	9.35E-01	1.56E-01	8.73E+00
6054	478327.22	3850251.47	11.4925	6.83691	4.7564	2.12019	1.88E+00	5.30E+00	9.22E-01	1.56E-01	8.26E+00	1.85E+00	2.30E-04	1.01E-02	4.56E-03	1.87E+00	2.25E+00	5.30E+00	9.22E-01	1.56E-01	8.63E+00
6055	478239.36	3850208.82	11.6353	6.70311	4.69	2.14234	1.90E+00	5.20E+00	9.09E-01	1.58E-01	8.17E+00	1.87E+00	2.25E-04	9.97E-03	4.61E-03	1.89E+00	2.28E+00	5.20E+00	9.09E-01	1.58E-01	8.54E+00
6056	478151.51	3850166.18	11.6767	6.6544	4.6234	2.16303	1.91E+00	5.16E+00	8.97E-01	1.59E-01	8.13E+00	1.88E+00	2.24E-04	9.83E-03	4.66E-03	1.90E+00	2.28E+00	5.16E+00	8.97E-01	1.59E-01	8.50E+00
6057	478063.66	3850123.53	11.636	6.63808	4.5568	2.18222	1.90E+00	5.15E+00	8.84E-01	1.61E-01	8.10E+00	1.87E+00	2.23E-04	9.69E-03	4.70E-03	1.89E+00	2.28E+00	5.15E+00	8.84E-01	1.61E-01	8.47E+00
6058	477975.8	3850080.88	10.9244	7.19498	4.4915	2.19987	1.79E+00	5.58E+00	8.71E-01	1.62E-01	8.40E+00	1.76E+00	2.42E-04	9.55E-03	4.74E-03	1.77E+00	2.14E+00	5.58E+00	8.71E-01	1.62E-01	8.75E+00
6059	477887.95	3850038.23	10.6156	7.3679	4.4253	2.21598	1.74E+00	5.72E+00	8.58E-01	1.63E-01	8.47E+00	1.71E+00	2.47E-04	9.41E-03	4.77E-03	1.72E+00	2.08E+00	5.72E+00	8.58E-01	1.63E-01	8.81E+00
6060	477800.1	3849995.59	10.2388	7.57331	4.3594	2.23053	1.67E+00	5.87E+00	8.45E-01	1.64E-01	8.56E+00	1.65E+00	2.54E-04	9.27E-03	4.80E-03	1.66E+00	2.00E+00	5.87E+00	8.45E-01	1.64E-01	8.89E+00
6061	477712.24	3849952.94	10.0372	7.58083	4.2933	2.24356	1.64E+00	5.88E+00	8.32E-01	1.65E-01	8.52E+00	1.62E+00	2.55E-04	9.13E-03	4.83E-03	1.63E+00	1.96E+00	5.88E+00	8.32E-01	1.65E-01	8.84E+00
6062	477624.39	3849910.29	9.81651	7.53942	4.2274	2.25504	1.61E+00	5.85E+00	8.20E-01	1.66E-01	8.44E+00	1.58E+00	2.53E-04	8.99E-03	4.85E-03	1.60E+00	1.92E+00	5.85E+00	8.20E-01	1.66E-01	8.76E+00
6063	477536.54	3849867.64	9.51977	7.4895	4.1619	2.26497	1.56E+00	5.81E+00	8.07E-01	1.67E-01	8.34E+00	1.53E+00	2.52E-04	8.85E-03	4.88E-03	1.55E+00	1.86E+00	5.81E+00	8.07E-01	1.67E-01	8.65E+00
6064	477448.68	3849825	9.34307	7.38028	4.0964	2.27343	1.53E+00	5.72E+00	7.94E-01	1.67E-01	8.21E+00	1.51E+00	2.48E-04	8.71E-03	4.89E-03	1.52E+00	1.83E+00	5.73E+00	7.94E-01	1.67E-01	8.52E+00
6065	477360.83	3849782.35	9.21372	7.25195	4.0313	2.28036	1.51E+00	5.63E+00	7.82E-01	1.68E-01	8.08E+00	1.48E+00	2.44E-04	8.57E-03	4.91E-03	1.50E+00	1.80E+00	5.63E+00	7.82E-01	1.68E-01	8.38E+00
6066	477272.97	3849739.7	9.09744	7.04531	3.9752	2.28581	1.49E+00	5.47E+00	7.71E-01	1.68E-01	7.89E+00	1.47E+00	2.37E-04	8.45E-03	4.92E-03	1.48E+00	1.78E+00	5.47E+00	7.71E-01	1.68E-01	8.18E+00
6067	477185.12	3849697.05	8.91631	6.89422	3.9333	2.28978	1.46E+00	5.35E+00	7.63E-01	1.69E-01	7.74E+00	1.44E+00	2.32E-04	8.36E-03	4.93E-03	1.45E+00	1.74E+00	5.35E+00	7.63E-01	1.69E-01	8.02E+00
6068	477097.27	3849654.41	8.87894	6.81471	3.8911	2.29236	1.45E+00	5.29E+00	7.55E-01	1.69E-01	7.66E+00	1.43E+00	2.29E-04	8.27E-03	4.93E-03	1.44E+00	1.74E+00	5.29E+00	7.55E-01	1.69E-01	7.95E+00
6069	477009.41	3849611.76	9.0693	6.57482	3.8476	2.29364	1.48E+00	5.10E+00	7.46E-01	1.69E-01	7.50E+00	1.46E+00	2.21E-04	8.18E-03	4.94E-03	1.47E+00	1.77E+00	5.10E+00	7.46E-01	1.69E-01	7.79E+00
6070	476841.49	3849530.08	9.09848	6.30427	3.769	2.29205	1.49E+00	4.89E+00	7.31E-01	1.69E-01	7.28E+00	1.47E+00	2.12E-04	8.01E-03	4.93E-03	1.48E+00	1.78E+00	4.89E+00	7.31E-01	1.69E-01	7.57E+00
6071	476761.41	3849491.05	9.1038	6.19855	3.7327	2.28955	1.49E+00	4.81E+00	7.24E-01	1.69E-01	7.19E+00	1.47E+00	2.08E-04	7.94E-03	4.93E-03	1.48E+00	1.78E+00	4.81E+00	7.24E-01	1.69E-01	7.48E+00
6072	476681.34	3849452.02	9.19137	6.02264	3.696	2.28606	1.50E+00	4.67E+00	7.17E-01	1.68E-01	7.06E+00	1.48E+00	2.02E-04	7.86E-03	4.92E-03	1.49E+00	1.80E+00	4.67E+00	7.17E-01	1.68E-01	7.36E+00
6073	476601.26	3849412.99	9.30257	5.81229	3.6591	2.28161	1.52E+00	4.51E+00	7.10E-01	1.68E-01	6.91E+00	1.50E+00	1.95E-04	7.78E-03	4.91E-03	1.51E+00	1.82E+00	4.51E+00	7.10E-01	1.68E-01	7.21E+00
6074	476456.32	3849353.67	9.53019	5.36122	3.5874	2.27444	1.56E+00	4.16E+00	6.96E-01	1.67E-01	6.58E+00	1.54E+00	1.80E-04	7.63E-03	4.90E-03	1.55E+00	1.86E+00	4.16E+00	6.96E-01	1.67E-01	6.89E+00
6075	476305.43	3849318.83	9.43163	5.4877	3.5074	2.26765	1.54E+00	4.26E+00	6.80E-01	1.67E-01	6.65E+00	1.52E+00	1.84E-04	7.46E-03	4.88E-03	1.53E+00	1.85E+00	4.26E+00	6.80E-01	1.67E-01	6.95E+00
6076	476129.36	3849289.99	9.27065	5.38318	3.4099	2.28529	1.52E+00	4.18E+00	6.61E-01	1.68E-01	6.52E+00	1.49E+00	1.81E-04	7.25E-03	4.92E-03	1.51E+00	1.81E+00	4.18E+00	6.61E-01	1.68E-01	6.82E+00
6077	476039.31	3849275.68	9.12345	5.27248	3.3613	2.29264	1.49E+00	4.09E+00	6.52E-01	1.69E-01	6.40E+00	1.47E+00	1.77E-04	7.15E-03	4.94E-03	1.48E+00	1.79E+00	4.09E+00	6.52E-01	1.69E-01	6.70E+00
6078	475949.26	3849261.38	9.10017	4.96198	3.3106	2.29549	1.49E+00	3.85E+00	6.42E-01	1.69E-01	6.15E+00	1.47E+00	1.67E-04	7.04E-03	4.94E-03	1.48E+00	1.78E+00	3.85E+00	6.42E-01	1.69E-01	6.44E+00
6079	475859.21	3849247.08	8.73092	4.76777	3.2629	2.29648	1.43E+00	3.70E+00	6.33E-01	1.69E-01	5.93E+00	1.41E+00	1.60E-04	6.94E-03	4.94E-03	1.42E+00	1.71E+00	3.70E+00	6.33E-01	1.69E-01	6.21E+00
6080	475769.16	3849232.77	8.36107	4.54988	3.233	2.29439	1.37E+00	3.53E+00	6.27E-01	1.69E-01	5.69E+00	1.35E+00	1.53E-04	6.87E-03	4.94E-03	1.36E+00	1.64E+00	3.53E+00	6.27E-01	1.69E-01	5.96E+00
6081	475585.22	3849219.27	7.52173	3.55341	3.2072	2.28176	1.23E+00	2.76E+00	6.22E-01	1.68E-01	4.78E+00	1.21E+00	1.19E-04	6.82E-03	4.91E-03	1.22E+00	1.47E+00	2.76E+00	6.22E-01	1.68E-01	5.02E+00
6082	475444.49	3849150.35	7.86956	4.0501	3.1958	2.2592	1.29E+00	3.14E+00	6.20E-01	1.66E-01	5.21E+00	1.27E+00	1.36E-04	6.79E-03	4.86E-03	1.28E+00	1.54E+00	3.14E+00	6.20E-01	1.66E-01	5.47E+00
6083	475334.17	3849118.71	8.14695	4.14314	3.191	2.24074	1.33E+00	3.21E+00	6.19E-01	1.65E-01	5.33E+00	1.31E+00	1.39E-04	6.78E-03	4.82E-03	1.32E+00	1.59E+00	3.21E+00	6.19E-01	1.65E-01	5.59E+00
6084	475230.47	3849060.56	8.15213	4.09811	3.1755	2.22188	1.33E+00	3.18E+00	6.16E-01	1.64E-01	5.29E+00	1.31E+00	1.38E-04	6.75E-03	4.78E-03	1.33E+00	1.60E+00	3.18E+00	6.16E-01	1.64E-01	5.55E+00
6085	475110.86	3848960.97	7.83592	4.02031	3.1348	2.20086	1.28E+00	3.12E+00	6.08E-01	1.62E-01	5.17E+00	1.26E+00	1.35E-04	6.67E-03	4.74E-03	1.27E+00	1.53E+00	3.12E+00	6.08E-01	1.62E-01	5.42E+00
6086	475037.79	3848896.28	7.61341	3.92294	3.1063	2.18826	1.25E+00	3.04E+00	6.02E-01	1.61E-01	5.05E+00	1.23E+00	1.32E-04	6.60E-03	4.71E-03	1.24E+00	1.49E+00	3.04E+00	6.02E-01	1.61E-01	5.30E+00
6087	474964.72	3848831.59	7.3959	3.83256	3.0808	2.17577	1.21E+00	2.97E+00	5.97E-01	1.60E-01	4.94E+00	1.19E+00	1.29E-04	6.55E-03	4.68E-03	1.20E+00	1.45E+00	2.97E+00	5.97E-01	1.60E-01	5.18E+00
6088	474891.65	3848766.9	7.19717	3.79757	3.0573	2.16341	1.18E+00	2.95E+00	5.93E-01	1.59E-01	4.88E+00	1.16E+00	1.28E-04	6.50E-03	4.66E-03	1.17E+00	1.41E+00	2.95E+00	5.93E-01	1.59E-01	5.11E+00
6089	474818.58	3848702.21	7.04235	3.78505	3.0348	2.15116	1.15E+00	2.94E+00	5.88E-01	1.58E-01	4.83E+00	1.13E+00	1.27E-04	6.45E-03	4.63E-03	1.15E+00	1.38E+00	2.94E+00	5.88E-01	1.58E-01	5.06E+00
6090	474745.51	3848637.53	7.06101	3.88674	3.0163	2.13903	1.15E+00	3.01E+00	5.85E-01	1.57E-01	4.91E+00	1.14E+00	1.31E-04	6.41E-03	4.60E-03	1.15E+00	1.38E+00	3.02E+00	5.85E-01	1.57E-01	5.14E+00
6091	474672.44	3848572.84	7.02356	3.91203	2.995	2.127	1.15E+00	3.03E+00	5.81E-01	1.57E-01	4.92E+00	1.13E+00	1.31E-04	6.37E-03	4.58E-03	1.14E+00	1.37E+00	3.03E+00	5.81E-01	1.57E-01	5.15E+00
6092	474599.37	3848508.15	6.94238	3.82964	2.9715	2.11508	1.14E+00	2.97E+00	5.76E-01	1.56E-01	4.84E+00	1.12E+00	1.29E-04	6.32E-03	4.55E-03	1.13E+00	1.36E+00	2.97E+00	5.76E-01	1.56E-01	5.06E+00
6093	474526.3	3848443.46	6.8741	3.79749	2.9494	2.10326	1.12E+00	2.95E+00	5.72E-01	1.55E-01	4.80E+00	1.11E+00	1.28E-04	6.27E-03	4.53E-03	1.12E+00	1.35E+00	2.95E+00	5.72E-01	1.55E-01	5.02E+00

			2033 Mitigated					2048 Unmitigated					2048 Mitigated				
			1.93E-01	7.72E-05	2.13E-03	2.15E-03		2.01E-01	7.89E-01	1.94E-01	7.36E-02		2.01E-01	9.04E-05	2.13E-03	2.15E-03	
			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	1.80E+00	1.39E-04	4.03E-02	3.20E-02	1.87E+00	1.88E+00	1.42E+00	3.67E+00	1.10E+00	8.07E+00	1.88E+00	1.63E-04	4.03E-02	3.20E-02	1.95E+00
2	486023.61	3854936.51	1.70E+00	1.38E-04	4.68E-02	3.22E-02	1.78E+00	1.77E+00	1.41E+00	4.27E+00	1.10E+00	8.55E+00	1.77E+00	1.61E-04	4.68E-02	3.22E-02	1.85E+00
3	486073.61	3854936.51	1.62E+00	1.36E-04	5.55E-02	3.19E-02	1.71E+00	1.69E+00	1.39E+00	5.06E+00	1.09E+00	9.23E+00	1.69E+00	1.59E-04	5.55E-02	3.19E-02	1.77E+00
4	486123.61	3854936.51	1.44E+00	1.34E-04	6.26E-02	3.12E-02	1.54E+00	1.51E+00	1.36E+00	5.71E+00	1.07E+00	9.65E+00	1.50E+00	1.56E-04	6.26E-02	3.12E-02	1.60E+00
5	486173.61	3854936.51	1.37E+00	1.33E-04	6.75E-02	3.02E-02	1.47E+00	1.43E+00	1.36E+00	6.15E+00	1.03E+00	9.98E+00	1.43E+00	1.56E-04	6.75E-02	3.02E-02	1.52E+00
6	486223.61	3854936.51	1.26E+00	1.31E-04	7.16E-02	2.91E-02	1.36E+00	1.31E+00	1.34E+00	6.53E+00	9.97E-01	1.02E+01	1.31E+00	1.53E-04	7.16E-02	2.91E-02	1.41E+00
7	486273.61	3854936.51	1.19E+00	1.30E-04	7.41E-02	2.81E-02	1.29E+00	1.24E+00	1.32E+00	6.76E+00	9.60E-01	1.03E+01	1.24E+00	1.52E-04	7.41E-02	2.81E-02	1.34E+00
8	486323.61	3854936.51	1.17E+00	1.29E-04	7.55E-02	2.80E-02	1.28E+00	1.22E+00	1.32E+00	6.88E+00	9.56E-01	1.04E+01	1.22E+00	1.51E-04	7.55E-02	2.80E-02	1.33E+00
9	485973.61	3854986.51	1.93E+00	1.41E-04	3.75E-02	3.30E-02	2.00E+00	2.02E+00	1.44E+00	3.42E+00	1.13E+00	8.01E+00	2.01E+00	1.65E-04	3.75E-02	3.30E-02	2.08E+00
10	486023.61	3854986.51	1.85E+00	1.40E-04	4.22E-02	3.25E-02	1.93E+00	1.93E+00	1.43E+00	3.85E+00	1.11E+00	8.32E+00	1.93E+00	1.64E-04	4.22E-02	3.25E-02	2.00E+00
11	486073.61	3854986.51	1.73E+00	1.38E-04	4.98E-02	3.16E-02	1.81E+00	1.80E+00	1.41E+00	4.54E+00	1.08E+00	8.84E+00	1.80E+00	1.62E-04	4.98E-02	3.16E-02	1.88E+00
12	486123.61	3854986.51	1.59E+00	1.36E-04	5.84E-02	3.05E-02	1.68E+00	1.66E+00	1.39E+00	5.32E+00	1.04E+00	9.42E+00	1.65E+00	1.60E-04	5.84E-02	3.05E-02	1.74E+00
13	486173.61	3854986.51	1.47E+00	1.35E-04	6.44E-02	2.94E-02	1.57E+00	1.54E+00	1.38E+00	5.87E+00	1.01E+00	9.80E+00	1.54E+00	1.58E-04	6.44E-02	2.94E-02	1.63E+00
14	486223.61	3854986.51	1.34E+00	1.33E-04	6.95E-02	2.93E-02	1.44E+00	1.40E+00	1.36E+00	6.34E+00	1.00E+00	1.01E+01	1.40E+00	1.56E-04	6.95E-02	2.93E-02	1.50E+00
15	486273.61	3854986.51	1.22E+00	1.31E-04	7.32E-02	2.94E-02	1.32E+00	1.27E+00	1.34E+00	6.68E+00	1.01E+00	1.03E+01	1.27E+00	1.53E-04	7.32E-02	2.94E-02	1.37E+00
16	486323.61	3854986.51	1.23E+00	1.31E-04	7.50E-02	3.00E-02	1.34E+00	1.29E+00	1.34E+00	6.84E+00	1.02E+00	1.05E+01	1.28E+00	1.53E-04	7.50E-02	3.00E-02	1.39E+00
17	485973.61	3855036.51	2.09E+00	1.44E-04	3.57E-02	3.27E-02	2.16E+00	2.18E+00	1.47E+00	3.25E+00	1.12E+00	8.02E+00	2.18E+00	1.68E-04	3.57E-02	3.27E-02	2.25E+00
18	486023.61	3855036.51	1.99E+00	1.42E-04	3.87E-02	3.16E-02	2.06E+00	2.07E+00	1.46E+00	3.53E+00	1.08E+00	8.15E+00	2.07E+00	1.67E-04	3.87E-02	3.16E-02	2.14E+00
19	486073.61	3855036.51	1.84E+00	1.40E-04	4.47E-02	3.05E-02	1.91E+00	1.92E+00	1.43E+00	4.08E+00	1.04E+00	8.47E+00	1.91E+00	1.64E-04	4.47E-02	3.05E-02	1.99E+00
20	486123.61	3855036.51	1.70E+00	1.39E-04	5.33E-02	3.04E-02	1.79E+00	1.78E+00	1.42E+00	4.86E+00	1.04E+00	9.10E+00	1.77E+00	1.62E-04	5.33E-02	3.04E-02	1.86E+00
21	486173.61	3855036.51	1.59E+00	1.37E-04	6.07E-02	3.07E-02	1.68E+00	1.66E+00	1.40E+00	5.53E+00	1.05E+00	9.65E+00	1.66E+00	1.61E-04	6.07E-02	3.07E-02	1.75E+00
22	486223.61	3855036.51	1.41E+00	1.35E-04	6.70E-02	3.12E-02	1.51E+00	1.48E+00	1.38E+00	6.11E+00	1.07E+00	1.00E+01	1.47E+00	1.58E-04	6.70E-02	3.12E-02	1.57E+00
23	486273.61	3855036.51	1.33E+00	1.34E-04	7.12E-02	3.21E-02	1.43E+00	1.39E+00	1.37E+00	6.49E+00	1.10E+00	1.03E+01	1.39E+00	1.57E-04	7.12E-02	3.21E-02	1.49E+00
24	486323.61	3855036.51	1.27E+00	1.32E-04	7.43E-02	3.28E-02	1.37E+00	1.32E+00	1.35E+00	6.77E+00	1.12E+00	1.06E+01	1.32E+00	1.54E-04	7.43E-02	3.28E-02	1.42E+00
25	485973.61	3855086.51	2.27E+00	1.46E-04	3.51E-02	3.18E-02	2.34E+00	2.37E+00	1.49E+00	3.20E+00	1.09E+00	8.15E+00	2.37E+00	1.71E-04	3.51E-02	3.18E-02	2.43E+00
26	486023.61	3855086.51	2.15E+00	1.45E-04	3.63E-02	3.10E-02	2.22E+00	2.25E+00	1.49E+00	3.31E+00	1.06E+00	8.11E+00	2.24E+00	1.70E-04	3.63E-02	3.10E-02	2.31E+00
27	486073.61	3855086.51	1.99E+00	1.43E-04	4.07E-02	3.15E-02	2.06E+00	2.08E+00	1.46E+00	3.71E+00	1.08E+00	8.32E+00	2.07E+00	1.67E-04	4.07E-02	3.15E-02	2.14E+00
28	486123.61	3855086.51	1.88E+00	1.42E-04	4.69E-02	3.22E-02	1.96E+00	1.97E+00	1.45E+00	4.28E+00	1.10E+00	8.80E+00	1.96E+00	1.66E-04	4.69E-02	3.22E-02	2.04E+00
29	486173.61	3855086.51	1.70E+00	1.39E-04	5.65E-02	3.33E-02	1.79E+00	1.77E+00	1.42E+00	5.15E+00	1.14E+00	9.48E+00	1.77E+00	1.63E-04	5.65E-02	3.33E-02	1.86E+00
30	486223.61	3855086.51	1.55E+00	1.38E-04	6.33E-02	3.39E-02	1.64E+00	1.61E+00	1.40E+00	5.77E+00	1.16E+00	9.95E+00	1.61E+00	1.61E-04	6.33E-02	3.39E-02	1.71E+00
31	485973.61	3855136.51	2.52E+00	1.50E-04	3.52E-02	3.27E-02	2.59E+00	2.63E+00	1.53E+00	3.21E+00	1.12E+00	8.48E+00	2.62E+00	1.75E-04	3.52E-02	3.27E-02	2.69E+00
32	486023.61	3855136.51	2.34E+00	1.48E-04	3.51E-02	3.29E-02	2.41E+00	2.44E+00	1.51E+00	3.20E+00	1.13E+00	8.28E+00	2.44E+00	1.73E-04	3.51E-02	3.29E-02	2.50E+00
33	486073.61	3855136.51	2.18E+00	1.46E-04	3.75E-02	3.41E-02	2.25E+00	2.28E+00	1.49E+00	3.42E+00	1.17E+00	8.35E+00	2.27E+00	1.71E-04	3.75E-02	3.41E-02	2.34E+00
34	486123.61	3855136.51	2.04E+00	1.44E-04	4.22E-02	3.49E-02	2.12E+00	2.13E+00	1.47E+00	3.85E+00	1.19E+00	8.65E+00	2.13E+00	1.69E-04	4.22E-02	3.49E-02	2.20E+00
35	486173.61	3855136.51	1.86E+00	1.42E-04	5.00E-02	3.57E-02	1.95E+00	1.95E+00	1.45E+00	4.56E+00	1.22E+00	9.18E+00	1.94E+00	1.66E-04	5.00E-02	3.57E-02	2.03E+00
36	486223.61	3855136.51	1.68E+00	1.40E-04	5.90E-02	3.62E-02	1.77E+00	1.75E+00	1.43E+00	5.38E+00	1.24E+00	9.80E+00	1.75E+00	1.64E-04	5.90E-02	3.62E-02	1.84E+00
37	485973.61	3855186.51	2.77E+00	1.69E-04	3.58E-02	3.53E-02	2.85E+00	2.89E+00	1.73E+00	3.27E+00	1.21E+00	9.10E+00	2.89E+00	1.98E-04	3.58E-02	3.53E-02	2.96E+00
38	486023.61	3855186.51	2.60E+00	1.52E-04	3.47E-02	3.57E-02	2.67E+00	2.71E+00	1.55E+00	3.16E+00	1.22E+00	8.64E+00	2.71E+00	1.78E-04	3.47E-02	3.57E-02	2.78E+00
39	486073.61	3855186.51	2.38E+00	1.49E-04	3.57E-02	3.64E-02	2.45E+00	2.48E+00	1.52E+00	3.25E+00	1.24E+00	8.50E+00	2.48E+00	1.75E-04	3.57E-02	3.64E-02	2.55E+00
40	486123.61	3855186.51	2.17E+00	1.46E-04	3.90E-02	3.71E-02	2.25E+00	2.27E+00	1.50E+00	3.56E+00	1.27E+00	8.59E+00	2.26E+00	1.71E-04	3.90E-02	3.71E-02	2.34E+00
41	486173.61	3855186.51	2.00E+00	1.44E-04	4.47E-02	3.72E-02	2.08E+00	2.09E+00	1.47E+00	4.08E+00	1.27E+00	8.92E+00	2.08E+00	1.69E-04	4.47E-02	3.72E-02	2.17E+00
42	486223.61	3855186.51	1.83E+00	1.42E-04	5.35E-02	3.70E-02	1.92E+00	1.91E+00	1.45E+00	4.88E+00	1.26E+00	9.50E+00	1.90E+00	1.66E-04	5.35E-02	3.70E-02	1.99E+00
43	486273.61	3855186.51	1.67E+00	1.39E-04	6.19E-02	3.64E-02	1.77E+00	1.75E+00	1.42E+00	5.64E+00	1.24E+00	1.01E+01	1.74E+00	1.63E-04	6.19E-02	3.64E-02	1.84E+00
44	486323.61	3855186.51	1.63E+00	1.39E-04	6.68E-02	3.53E-02	1.73E+00	1.70E+00	1.42E+00	6.09E+00	1.21E+00	1.04E+01	1.70E+00	1.63E-04	6.68E-02	3.53E-02	1.80E+00
45	485973.61	3855236.51	3.05E+00	1.76E-04	3.68E-02	3.73E-02	3.13E+00	3.19E+00	1.80E+00	3.36E+00	1.27E+00	9.62E+00	3.18E+00	2.06E-04	3.68E-02	3.73E-02	3.25E+00
46	486023.61	3855236.51	2.80E+00	1.68E-04	3.56E-02	3.74E-02	2.87E+00	2.92E+00	1.72E+00	3.25E+00	1.28E+00	9.17E+00	2.92E+00	1.97E-04	3.56E-02	3.74E-02	2.99E+00
47	486073.61	3855236.51	2.54E+00	1.51E-04	3.53E-02	3.78E-02	2.62E+00	2.65E+00	1.55E+00	3.22E+00	1.29E+00	8.71E+00	2.65E+00	1.77E-04	3.53E-02	3.78E-02	2.72E+00
48	486123.61	3855236.51	2.37E+00	1.49E-04	3.68E-02	3.75E-02	2.44E+00	2.47E+00	1.52E+00	3.36E+00	1.28E+00	8.63E+00	2.47E+00	1.74E-04	3.68E-02	3.75E-02	2.54E+00
49	486173.61	3855236.51	2.19E+00	1.47E-04	4.07E-02	3.68E-02	2.26E+00	2.28E+00	1.50E+00	3.71E+00	1.26E+00	8.75E+00	2.28E+00	1.72E-04	4.07E-02	3.68E-02	2.35E+00
50	486223.61	3855236.51	1.97E+00	1.44E-04	4.74E-02	3.62E-02	2.06E+00	2.06E+00	1.47E+00	4.32E+00	1.24E+00	9.09E+00	2.05E+00	1.69E-04	4.74E-02	3.62E-02	2.14E+00
51	486273.61	3855236.51	1.75E+00	1.40E-04	5.80E-02	3.57E-02	1.85E+00	1.83E+00	1.43E+00	5.29E+00	1.22E+00	9.77E+00	1.83E+00	1.64E-04	5.80E-02	3.57E-02	1.92E+00
52	486323.61	3855236.51	1.76E+00	1.42E-04	6.31E-02	3.42E-02	1.86E+00	1.84E+00	1.45E+00	5.75E+00	1.17E+00	1.02E+01	1.84E+00	1.66E-04	6.31E-02	3.42E-02	1.93E+00
53	485973.61	3855286.51	3.33E+00	1.79E-04	3.79E-02	3.77E-02	3.41E+00	3.48E+00	1.83E+00	3.45E+00	1.29E+00	1.00E+01	3.47E+00	2.09E-04	3.79E-02	3.77E-02	3.55E+00
54	486023.61	3855286.51	3.05E+00	1.77E-04	3.68E-02	3.75E-02	3.12E+00	3.18E+00	1.80E+00	3.36E+00	1.28E+00	9.62E+00	3.17E+00	2.07E-04	3.68E-02	3.75E-02	3.25E+00
55	486073.61	3855286.51	2.80E+00	1.66E-04	3.56E-02	3.70E-02	2.87E+00	2.92E+00	1.70E+00	3.25E+00	1.26E+00	9.13E+00	2.92E+00	1.94E-04	3.56E-02	3.70E-02	2.99E+00
56	486123.61	3855286.51	2.55E+00	1.51E-04	3.58E-02	3.66E-02	2.63E+00	2.66E+00	1.55E+00	3.27E+00	1.25E+00	8.73E+00	2.66E+00	1.77E-04	3.58E-02	3.66E-02	2.73E+00
57	486173.61	3855286.51	2.33E+00	1.49E-04	3.82E-02	3.59E-02	2.41E+00	2.43E+00	1.52E+00	3.49E+00	1.23E+00	8.66E+00	2.43E+00	1.74E-04	3.82E-02	3.59E-02	2.50E+00

58	486223.61	3855286.51	2.15E+00	1.46E-04	4.30E-02	3.48E-02	2.23E+00	2.24E+00	1.50E+00	3.92E+00	1.19E+00	8.84E+00	2.24E+00	1.71E-04	4.30E-02	3.48E-02	2.31E+00
59	486123.61	3855336.51	2.83E+00	1.63E-04	3.60E-02	3.48E-02	2.90E+00	2.95E+00	1.67E+00	3.29E+00	1.19E+00	9.09E+00	2.94E+00	1.91E-04	3.60E-02	3.48E-02	3.01E+00
60	486173.61	3855336.51	2.63E+00	1.51E-04	3.66E-02	3.35E-02	2.70E+00	2.74E+00	1.55E+00	3.33E+00	1.14E+00	8.77E+00	2.74E+00	1.77E-04	3.66E-02	3.35E-02	2.81E+00
61	486223.61	3855336.51	2.40E+00	1.49E-04	3.96E-02	3.20E-02	2.47E+00	2.50E+00	1.52E+00	3.62E+00	1.10E+00	8.73E+00	2.50E+00	1.74E-04	3.96E-02	3.20E-02	2.57E+00
62	486123.61	3855386.51	3.12E+00	1.75E-04	3.70E-02	3.15E-02	3.19E+00	3.25E+00	1.79E+00	3.37E+00	1.08E+00	9.49E+00	3.25E+00	2.05E-04	3.70E-02	3.15E-02	3.32E+00
63	486173.61	3855386.51	2.91E+00	1.73E-04	3.61E-02	2.99E-02	2.97E+00	3.03E+00	1.77E+00	3.29E+00	1.02E+00	9.11E+00	3.03E+00	2.02E-04	3.61E-02	2.99E-02	3.09E+00
64	486223.61	3855386.51	2.69E+00	1.59E-04	3.74E-02	2.84E-02	2.76E+00	2.81E+00	1.62E+00	3.41E+00	9.70E-01	8.81E+00	2.80E+00	1.86E-04	3.74E-02	2.84E-02	2.87E+00
65	486533.18	3855443.15	2.10E+00	1.43E-04	7.24E-02	2.41E-02	2.20E+00	2.20E+00	1.46E+00	6.60E+00	8.26E-01	1.11E+01	2.19E+00	1.67E-04	7.24E-02	2.41E-02	2.29E+00
66	486583.18	3855443.15	2.00E+00	1.42E-04	7.58E-02	2.39E-02	2.10E+00	2.08E+00	1.45E+00	6.92E+00	8.17E-01	1.13E+01	2.08E+00	1.66E-04	7.58E-02	2.39E-02	2.18E+00
67	486633.18	3855443.15	1.91E+00	1.41E-04	7.76E-02	2.36E-02	2.01E+00	1.99E+00	1.44E+00	7.07E+00	8.06E-01	1.13E+01	1.99E+00	1.65E-04	7.76E-02	2.36E-02	2.09E+00
68	486683.18	3855443.15	1.88E+00	1.40E-04	7.73E-02	2.34E-02	1.98E+00	1.96E+00	1.43E+00	7.05E+00	8.01E-01	1.12E+01	1.96E+00	1.64E-04	7.73E-02	2.34E-02	2.06E+00
69	486533.18	3855493.15	2.28E+00	1.44E-04	6.94E-02	2.40E-02	2.37E+00	2.38E+00	1.47E+00	6.33E+00	8.21E-01	1.10E+01	2.37E+00	1.68E-04	6.94E-02	2.40E-02	2.47E+00
70	486583.18	3855493.15	2.19E+00	1.43E-04	7.40E-02	2.45E-02	2.29E+00	2.28E+00	1.46E+00	6.75E+00	8.36E-01	1.13E+01	2.28E+00	1.67E-04	7.40E-02	2.45E-02	2.38E+00
71	486633.18	3855493.15	2.09E+00	1.42E-04	7.68E-02	2.49E-02	2.19E+00	2.18E+00	1.45E+00	7.00E+00	8.52E-01	1.15E+01	2.18E+00	1.66E-04	7.68E-02	2.49E-02	2.28E+00
72	486683.18	3855493.15	2.02E+00	1.41E-04	7.78E-02	2.53E-02	2.12E+00	2.10E+00	1.44E+00	7.09E+00	8.66E-01	1.15E+01	2.10E+00	1.65E-04	7.78E-02	2.53E-02	2.20E+00
73	486533.18	3855543.15	2.56E+00	1.49E-04	6.53E-02	2.58E-02	2.65E+00	2.67E+00	1.53E+00	5.96E+00	8.83E-01	1.10E+01	2.66E+00	1.75E-04	6.53E-02	2.58E-02	2.75E+00
74	486583.18	3855543.15	2.38E+00	1.44E-04	7.18E-02	2.63E-02	2.48E+00	2.48E+00	1.47E+00	6.55E+00	9.00E-01	1.14E+01	2.48E+00	1.68E-04	7.18E-02	2.63E-02	2.58E+00
75	486633.18	3855543.15	2.28E+00	1.43E-04	7.57E-02	2.66E-02	2.38E+00	2.38E+00	1.46E+00	6.90E+00	9.10E-01	1.17E+01	2.38E+00	1.67E-04	7.57E-02	2.66E-02	2.48E+00
76	486683.18	3855543.15	2.12E+00	1.41E-04	7.82E-02	2.70E-02	2.23E+00	2.21E+00	1.44E+00	7.13E+00	9.22E-01	1.17E+01	2.21E+00	1.65E-04	7.82E-02	2.70E-02	2.31E+00
77	486533.18	3855593.15	2.77E+00	1.51E-04	6.06E-02	2.76E-02	2.86E+00	2.89E+00	1.54E+00	5.52E+00	9.45E-01	1.09E+01	2.89E+00	1.77E-04	6.06E-02	2.76E-02	2.98E+00
78	486583.18	3855593.15	2.61E+00	1.48E-04	6.83E-02	2.78E-02	2.71E+00	2.73E+00	1.51E+00	6.23E+00	9.50E-01	1.14E+01	2.72E+00	1.73E-04	6.83E-02	2.78E-02	2.82E+00
79	486633.18	3855593.15	2.48E+00	1.44E-04	7.37E-02	2.79E-02	2.59E+00	2.59E+00	1.47E+00	6.72E+00	9.54E-01	1.17E+01	2.59E+00	1.68E-04	7.37E-02	2.79E-02	2.69E+00
80	486683.18	3855593.15	2.40E+00	1.43E-04	7.68E-02	2.79E-02	2.50E+00	2.50E+00	1.46E+00	7.01E+00	9.53E-01	1.19E+01	2.49E+00	1.67E-04	7.68E-02	2.79E-02	2.60E+00
81	486533.18	3855643.15	3.04E+00	1.68E-04	5.41E-02	2.87E-02	3.12E+00	3.17E+00	1.72E+00	4.93E+00	9.81E-01	1.08E+01	3.16E+00	1.96E-04	5.41E-02	2.87E-02	3.25E+00
82	486583.18	3855643.15	2.88E+00	1.66E-04	6.39E-02	2.86E-02	2.97E+00	3.00E+00	1.70E+00	5.83E+00	9.78E-01	1.15E+01	3.00E+00	1.95E-04	6.39E-02	2.86E-02	3.09E+00
83	486633.18	3855643.15	2.73E+00	1.48E-04	7.07E-02	2.83E-02	2.83E+00	2.84E+00	1.51E+00	6.45E+00	9.69E-01	1.18E+01	2.84E+00	1.73E-04	7.07E-02	2.83E-02	2.94E+00
84	486683.18	3855643.15	2.60E+00	1.44E-04	7.53E-02	2.79E-02	2.70E+00	2.71E+00	1.47E+00	6.87E+00	9.55E-01	1.20E+01	2.71E+00	1.69E-04	7.53E-02	2.79E-02	2.81E+00
85	486533.18	3855693.15	3.38E+00	1.69E-04	4.74E-02	2.81E-02	3.46E+00	3.53E+00	1.73E+00	4.33E+00	9.61E-01	1.05E+01	3.52E+00	1.98E-04	4.74E-02	2.81E-02	3.60E+00
86	486583.18	3855693.15	3.14E+00	1.67E-04	5.81E-02	2.77E-02	3.22E+00	3.27E+00	1.71E+00	5.30E+00	9.48E-01	1.12E+01	3.27E+00	1.96E-04	5.81E-02	2.77E-02	3.35E+00
87	486633.18	3855693.15	2.90E+00	1.47E-04	6.78E-02	2.72E-02	3.00E+00	3.03E+00	1.51E+00	6.18E+00	9.31E-01	1.16E+01	3.02E+00	1.73E-04	6.78E-02	2.72E-02	3.12E+00
88	486683.18	3855693.15	2.84E+00	1.47E-04	7.30E-02	2.67E-02	2.94E+00	2.96E+00	1.50E+00	6.66E+00	9.12E-01	1.20E+01	2.96E+00	1.72E-04	7.30E-02	2.67E-02	3.06E+00
89	486733.18	3855693.15	2.84E+00	1.47E-04	7.55E-02	2.64E-02	2.94E+00	2.97E+00	1.50E+00	6.89E+00	9.02E-01	1.23E+01	2.96E+00	1.72E-04	7.55E-02	2.64E-02	3.06E+00
90	486783.18	3855693.15	2.90E+00	1.65E-04	7.56E-02	2.59E-02	3.00E+00	3.03E+00	1.69E+00	6.90E+00	8.86E-01	1.25E+01	3.02E+00	1.93E-04	7.56E-02	2.59E-02	3.12E+00
91	486533.18	3855743.15	3.67E+00	1.71E-04	4.29E-02	2.75E-02	3.74E+00	3.83E+00	1.75E+00	3.92E+00	9.42E-01	1.04E+01	3.82E+00	2.00E-04	4.29E-02	2.75E-02	3.89E+00
92	486583.18	3855743.15	3.36E+00	1.68E-04	5.23E-02	2.78E-02	3.44E+00	3.51E+00	1.72E+00	4.77E+00	9.51E-01	1.09E+01	3.50E+00	1.96E-04	5.23E-02	2.78E-02	3.58E+00
93	486633.18	3855743.15	3.18E+00	1.66E-04	6.31E-02	2.77E-02	3.27E+00	3.31E+00	1.70E+00	5.76E+00	9.49E-01	1.17E+01	3.31E+00	1.95E-04	6.31E-02	2.77E-02	3.40E+00
94	486683.18	3855743.15	3.16E+00	1.66E-04	6.92E-02	2.74E-02	3.26E+00	3.30E+00	1.70E+00	6.31E+00	9.38E-01	1.22E+01	3.29E+00	1.95E-04	6.92E-02	2.74E-02	3.39E+00
95	486733.18	3855743.15	3.09E+00	1.65E-04	7.38E-02	2.72E-02	3.19E+00	3.22E+00	1.69E+00	6.73E+00	9.29E-01	1.26E+01	3.21E+00	1.94E-04	7.38E-02	2.72E-02	3.32E+00
96	486783.18	3855743.15	3.16E+00	1.68E-04	7.47E-02	2.64E-02	3.26E+00	3.30E+00	1.72E+00	6.81E+00	9.04E-01	1.27E+01	3.29E+00	1.97E-04	7.47E-02	2.64E-02	3.39E+00
97	486533.18	3855793.15	3.95E+00	2.05E-04	3.98E-02	2.81E-02	4.02E+00	4.12E+00	2.09E+00	3.63E+00	9.60E-01	1.08E+01	4.11E+00	2.40E-04	3.98E-02	2.81E-02	4.18E+00
98	486583.18	3855793.15	3.52E+00	1.69E-04	4.77E-02	2.85E-02	3.59E+00	3.67E+00	1.72E+00	4.35E+00	9.75E-01	1.07E+01	3.66E+00	1.97E-04	4.77E-02	2.85E-02	3.74E+00
99	486633.18	3855793.15	3.50E+00	1.69E-04	5.56E-02	2.80E-02	3.58E+00	3.65E+00	1.73E+00	5.07E+00	9.57E-01	1.14E+01	3.64E+00	1.98E-04	5.56E-02	2.80E-02	3.72E+00
100	486683.18	3855793.15	3.49E+00	1.70E-04	6.38E-02	2.75E-02	3.58E+00	3.64E+00	1.74E+00	5.82E+00	9.41E-01	1.21E+01	3.63E+00	1.99E-04	6.38E-02	2.75E-02	3.72E+00
101	486733.18	3855793.15	3.43E+00	1.70E-04	6.98E-02	2.71E-02	3.53E+00	3.58E+00	1.74E+00	6.37E+00	9.27E-01	1.26E+01	3.58E+00	1.99E-04	6.98E-02	2.71E-02	3.67E+00
102	486783.18	3855793.15	3.41E+00	1.72E-04	7.32E-02	2.66E-02	3.51E+00	3.55E+00	1.75E+00	6.67E+00	9.09E-01	1.29E+01	3.55E+00	2.01E-04	7.32E-02	2.66E-02	3.65E+00
103	486533.18	3855843.15	4.12E+00	2.06E-04	3.87E-02	2.93E-02	4.19E+00	4.30E+00	2.11E+00	3.53E+00	1.00E+00	1.09E+01	4.29E+00	2.41E-04	3.87E-02	2.93E-02	4.36E+00
104	486583.18	3855843.15	3.79E+00	1.72E-04	4.36E-02	2.93E-02	3.86E+00	3.95E+00	1.75E+00	3.98E+00	1.00E+00	1.07E+01	3.95E+00	2.01E-04	4.36E-02	2.93E-02	4.02E+00
105	486633.18	3855843.15	3.77E+00	1.72E-04	4.90E-02	2.86E-02	3.85E+00	3.93E+00	1.76E+00	4.46E+00	9.79E-01	1.11E+01	3.93E+00	2.02E-04	4.90E-02	2.86E-02	4.00E+00
106	486683.18	3855843.15	3.75E+00	1.73E-04	5.72E-02	2.78E-02	3.83E+00	3.91E+00	1.77E+00	5.21E+00	9.51E-01	1.18E+01	3.90E+00	2.03E-04	5.72E-02	2.78E-02	3.99E+00
107	486733.18	3855843.15	3.72E+00	2.03E-04	6.49E-02	2.70E-02	3.82E+00	3.89E+00	2.07E+00	5.92E+00	9.24E-01	1.28E+01	3.88E+00	2.37E-04	6.49E-02	2.70E-02	3.97E+00
108	486783.18	3855843.15	3.68E+00	2.02E-04	7.01E-02	2.64E-02	3.78E+00	3.84E+00	2.06E+00	6.40E+00	9.03E-01	1.32E+01	3.83E+00	2.36E-04	7.01E-02	2.64E-02	3.93E+00
109	486533.18	3855893.15	4.17E+00	2.07E-04	3.99E-02	3.01E-02	4.24E+00	4.35E+00	2.11E+00	3.64E+00	1.03E+00	1.11E+01	4.35E+00	2.42E-04	3.99E-02	3.01E-02	4.42E+00
110	486583.18	3855893.15	4.10E+00	2.07E-04	4.07E-02	2.94E-02	4.17E+00	4.28E+00	2.12E+00	3.71E+00	1.01E+00	1.11E+01	4.27E+00	2.42E-04	4.07E-02	2.94E-02	4.34E+00
111	486633.18	3855893.15	4.04E+00	2.07E-04	4.43E-02	2.87E-02	4.11E+00	4.21E+00	2.12E+00	4.04E+00	9.83E-01	1.14E+01	4.20E+00	2.42E-04	4.43E-02	2.87E-02	4.28E+00
112	486683.18	3855893.15	4.01E+00	2.07E-04	5.08E-02	2.80E-02	4.09E+00	4.19E+00	2.12E+00	4.63E+00	9.58E-01	1.19E+01	4.18E+00	2.42E-04	5.08E-02	2.80E-02	4.26E+00
113	486733.18	3855893.15	3.98E+00	2.07E-04	5.86E-02	2.76E-02	4.07E+00	4.15E+00	2.11E+00	5.35E+00	9.44E-01	1.26E+01	4.15E+00	2.42E-04	5.86E-02	2.76E-02	4.23E+00
114	486783.18	3855893.15	3.97E+00	2.07E-04	6.52E-02	2.71E-02	4.06E+00	4.14E+00	2.11E+00	5.95E+00	9.27E-01	1.31E+01	4.13E+00	2.42E-04	6.52E-02	2.71E-02	4.23E+00
115	486533.18	3855943.15	4.44E+00	2.10E-04	4.07E-02	3.10E-02	4.51E+00	4.63E+00	2.15E+00	3.71E+00	1.06E+00	1.15E+01	4.62E+00	2.46E-04	4.07E-02	3.10E-02	4.69E+00
116	486583.18	3855943.15	4.44E+00	2.11E-04	3.92E-02	3.02E-02	4.51E+00	4.63E+00	2.15E+00	3.57E+00	1.03E+00	1.14E+01	4.62E+00	2.47E-04	3.92E-02	3.02E-02	4.69E+00
117	486633.18	3855943.15	4.32E+00	2.11E-04	4.11E-02	2.98E-02	4.40E+00	4.51E+00	2.15E+00	3.75E+00	1.02E+00	1.14E+01	4.50E+00	2.46E-04	4.11E-02	2.98E-02	4.57E+00
118	486683.18	3855943.15	4.30E+00	2.12E-04	4.48E-02	2.91E-02	4.38E+00	4.49E+00	2.16E+00	4.09E+00	9.94E-01	1.17E+01	4.48E+00	2.48E-04	4.48E-02	2.91E-02	4.56E+00

119	486733.18	3855943.15	4.23E+00	2.11E-04	5.25E-02	2.85E-02	4.32E+00	4.42E+00	2.16E+00	4.78E+00	9.76E-01	1.23E+01	4.41E+00	2.47E-04	5.25E-02	2.85E-02	4.49E+00
120	486783.18	3855943.15	4.23E+00	2.12E-04	5.92E-02	2.78E-02	4.32E+00	4.42E+00	2.16E+00	5.40E+00	9.51E-01	1.29E+01	4.41E+00	2.48E-04	5.92E-02	2.78E-02	4.49E+00
121	486533.18	3855993.15	4.77E+00	2.15E-04	4.18E-02	3.08E-02	4.84E+00	4.98E+00	2.20E+00	3.81E+00	1.06E+00	1.20E+01	4.97E+00	2.52E-04	4.18E-02	3.08E-02	5.04E+00
122	486583.18	3855993.15	4.71E+00	2.14E-04	3.95E-02	3.01E-02	4.78E+00	4.91E+00	2.19E+00	3.60E+00	1.03E+00	1.17E+01	4.90E+00	2.50E-04	3.95E-02	3.01E-02	4.97E+00
123	486633.18	3855993.15	4.62E+00	2.14E-04	3.92E-02	2.94E-02	4.69E+00	4.82E+00	2.19E+00	3.58E+00	1.00E+00	1.16E+01	4.81E+00	2.50E-04	3.92E-02	2.94E-02	4.88E+00
124	486683.18	3855993.15	4.58E+00	2.15E-04	4.13E-02	2.86E-02	4.65E+00	4.78E+00	2.20E+00	3.76E+00	9.77E-01	1.17E+01	4.77E+00	2.52E-04	4.13E-02	2.86E-02	4.84E+00
125	486733.18	3855993.15	4.50E+00	2.16E-04	4.65E-02	2.79E-02	4.58E+00	4.70E+00	2.21E+00	4.24E+00	9.54E-01	1.21E+01	4.69E+00	2.53E-04	4.65E-02	2.79E-02	4.76E+00
126	486783.18	3855993.15	4.46E+00	2.16E-04	5.36E-02	2.72E-02	4.54E+00	4.66E+00	2.21E+00	4.89E+00	9.29E-01	1.27E+01	4.65E+00	2.53E-04	5.36E-02	2.72E-02	4.73E+00
127	486533.18	3856043.15	5.07E+00	2.20E-04	4.36E-02	2.91E-02	5.14E+00	5.29E+00	2.25E+00	3.97E+00	9.94E-01	1.25E+01	5.28E+00	2.57E-04	4.36E-02	2.91E-02	5.35E+00
128	486583.18	3856043.15	5.03E+00	2.19E-04	4.01E-02	2.82E-02	5.09E+00	5.24E+00	2.24E+00	3.65E+00	9.65E-01	1.21E+01	5.23E+00	2.56E-04	4.01E-02	2.82E-02	5.30E+00
129	486633.18	3856043.15	4.92E+00	2.18E-04	3.88E-02	2.75E-02	4.98E+00	5.13E+00	2.22E+00	3.54E+00	9.42E-01	1.18E+01	5.12E+00	2.55E-04	3.88E-02	2.75E-02	5.19E+00
130	486683.18	3856043.15	4.87E+00	2.19E-04	3.89E-02	2.67E-02	4.94E+00	5.08E+00	2.24E+00	3.55E+00	9.14E-01	1.18E+01	5.07E+00	2.56E-04	3.89E-02	2.67E-02	5.14E+00
131	486733.18	3856043.15	4.77E+00	2.19E-04	4.21E-02	2.61E-02	4.84E+00	4.98E+00	2.24E+00	3.84E+00	8.92E-01	1.19E+01	4.97E+00	2.57E-04	4.21E-02	2.61E-02	5.03E+00
132	486783.18	3856043.15	4.74E+00	2.21E-04	4.77E-02	2.53E-02	4.82E+00	4.95E+00	2.26E+00	4.35E+00	8.65E-01	1.24E+01	4.94E+00	2.59E-04	4.77E-02	2.53E-02	5.01E+00
133	486533.18	3856093.15	5.41E+00	2.25E-04	4.50E-02	2.61E-02	5.48E+00	5.65E+00	2.30E+00	4.10E+00	8.93E-01	1.29E+01	5.63E+00	2.64E-04	4.50E-02	2.61E-02	5.71E+00
134	486583.18	3856093.15	5.32E+00	2.24E-04	4.17E-02	2.55E-02	5.39E+00	5.55E+00	2.29E+00	3.81E+00	8.70E-01	1.25E+01	5.54E+00	2.62E-04	4.17E-02	2.55E-02	5.60E+00
135	486633.18	3856093.15	5.22E+00	2.23E-04	3.89E-02	2.48E-02	5.28E+00	5.44E+00	2.27E+00	3.55E+00	8.49E-01	1.21E+01	5.43E+00	2.60E-04	3.89E-02	2.48E-02	5.50E+00
136	486683.18	3856093.15	5.15E+00	2.22E-04	3.79E-02	2.42E-02	5.21E+00	5.37E+00	2.27E+00	3.46E+00	8.26E-01	1.19E+01	5.36E+00	2.60E-04	3.79E-02	2.42E-02	5.42E+00
137	486733.18	3856093.15	5.05E+00	2.23E-04	3.93E-02	2.36E-02	5.11E+00	5.27E+00	2.28E+00	3.58E+00	8.08E-01	1.19E+01	5.26E+00	2.61E-04	3.93E-02	2.36E-02	5.32E+00
138	486783.18	3856093.15	4.99E+00	2.25E-04	4.27E-02	2.30E-02	5.05E+00	5.20E+00	2.30E+00	3.89E+00	7.87E-01	1.22E+01	5.19E+00	2.63E-04	4.27E-02	2.30E-02	5.26E+00
139	486533.18	3856143.15	5.68E+00	2.29E-04	4.56E-02	2.38E-02	5.75E+00	5.93E+00	2.34E+00	4.15E+00	8.12E-01	1.32E+01	5.92E+00	2.68E-04	4.56E-02	2.38E-02	5.99E+00
140	486583.18	3856143.15	5.57E+00	2.28E-04	4.42E-02	2.34E-02	5.64E+00	5.81E+00	2.33E+00	4.03E+00	7.99E-01	1.30E+01	5.80E+00	2.67E-04	4.42E-02	2.34E-02	5.87E+00
141	486633.18	3856143.15	5.50E+00	2.27E-04	4.05E-02	2.29E-02	5.57E+00	5.74E+00	2.32E+00	3.69E+00	7.82E-01	1.25E+01	5.73E+00	2.66E-04	4.05E-02	2.29E-02	5.79E+00
142	486683.18	3856143.15	5.41E+00	2.26E-04	3.80E-02	2.24E-02	5.47E+00	5.65E+00	2.31E+00	3.47E+00	7.66E-01	1.22E+01	5.64E+00	2.65E-04	3.80E-02	2.24E-02	5.70E+00
143	486733.18	3856143.15	5.32E+00	2.27E-04	3.77E-02	2.19E-02	5.38E+00	5.55E+00	2.31E+00	3.44E+00	7.50E-01	1.21E+01	5.54E+00	2.65E-04	3.77E-02	2.19E-02	5.60E+00
144	486783.18	3856143.15	5.27E+00	2.29E-04	3.90E-02	2.13E-02	5.34E+00	5.50E+00	2.34E+00	3.56E+00	7.29E-01	1.21E+01	5.49E+00	2.68E-04	3.90E-02	2.13E-02	5.55E+00
145	486533.18	3856193.15	5.96E+00	2.33E-04	4.44E-02	2.37E-02	6.03E+00	6.22E+00	2.38E+00	4.05E+00	8.12E-01	1.35E+01	6.21E+00	2.73E-04	4.44E-02	2.37E-02	6.28E+00
146	486583.18	3856193.15	5.82E+00	2.32E-04	4.50E-02	2.34E-02	5.89E+00	6.08E+00	2.37E+00	4.11E+00	8.00E-01	1.34E+01	6.06E+00	2.72E-04	4.50E-02	2.34E-02	6.13E+00
147	486633.18	3856193.15	5.75E+00	2.32E-04	4.27E-02	2.29E-02	5.81E+00	5.99E+00	2.37E+00	3.90E+00	7.82E-01	1.30E+01	5.98E+00	2.72E-04	4.27E-02	2.29E-02	6.05E+00
148	486683.18	3856193.15	5.69E+00	2.32E-04	3.87E-02	2.22E-02	5.75E+00	5.93E+00	2.37E+00	3.53E+00	7.60E-01	1.26E+01	5.92E+00	2.71E-04	3.87E-02	2.22E-02	5.98E+00
149	486733.18	3856193.15	5.58E+00	2.31E-04	3.71E-02	2.18E-02	5.64E+00	5.82E+00	2.36E+00	3.39E+00	7.44E-01	1.23E+01	5.81E+00	2.70E-04	3.71E-02	2.18E-02	5.87E+00
150	486783.18	3856193.15	5.53E+00	2.32E-04	3.70E-02	2.11E-02	5.59E+00	5.77E+00	2.37E+00	3.37E+00	7.23E-01	1.22E+01	5.76E+00	2.72E-04	3.70E-02	2.11E-02	5.82E+00
151	486533.18	3856243.15	6.21E+00	2.37E-04	4.25E-02	2.39E-02	6.28E+00	6.48E+00	2.42E+00	3.87E+00	8.18E-01	1.36E+01	6.47E+00	2.77E-04	4.25E-02	2.39E-02	6.54E+00
152	486583.18	3856243.15	6.10E+00	2.36E-04	4.41E-02	2.34E-02	6.17E+00	6.37E+00	2.42E+00	4.02E+00	8.01E-01	1.36E+01	6.36E+00	2.77E-04	4.41E-02	2.34E-02	6.42E+00
153	486633.18	3856243.15	6.00E+00	2.36E-04	4.37E-02	2.29E-02	6.07E+00	6.26E+00	2.41E+00	3.99E+00	7.83E-01	1.34E+01	6.25E+00	2.76E-04	4.37E-02	2.29E-02	6.31E+00
154	486683.18	3856243.15	5.91E+00	2.36E-04	4.11E-02	2.23E-02	5.97E+00	6.17E+00	2.42E+00	3.75E+00	7.64E-01	1.31E+01	6.16E+00	2.77E-04	4.11E-02	2.23E-02	6.22E+00
155	486733.18	3856243.15	5.83E+00	2.36E-04	3.73E-02	2.18E-02	5.89E+00	6.08E+00	2.41E+00	3.40E+00	7.47E-01	1.26E+01	6.07E+00	2.76E-04	3.73E-02	2.18E-02	6.13E+00
156	486783.18	3856243.15	5.73E+00	2.36E-04	3.62E-02	2.14E-02	5.79E+00	5.98E+00	2.41E+00	3.30E+00	7.31E-01	1.24E+01	5.97E+00	2.76E-04	3.62E-02	2.14E-02	6.03E+00
157	486533.18	3856293.15	6.47E+00	2.40E-04	3.95E-02	2.46E-02	6.54E+00	6.75E+00	2.46E+00	3.61E+00	8.42E-01	1.37E+01	6.74E+00	2.81E-04	3.95E-02	2.46E-02	6.81E+00
158	486583.18	3856293.15	6.35E+00	2.40E-04	4.23E-02	2.42E-02	6.42E+00	6.63E+00	2.45E+00	3.86E+00	8.28E-01	1.38E+01	6.61E+00	2.81E-04	4.23E-02	2.42E-02	6.68E+00
159	486633.18	3856293.15	6.25E+00	2.40E-04	4.34E-02	2.37E-02	6.31E+00	6.52E+00	2.45E+00	3.96E+00	8.12E-01	1.37E+01	6.50E+00	2.80E-04	4.34E-02	2.37E-02	6.57E+00
160	486683.18	3856293.15	6.14E+00	2.40E-04	4.25E-02	2.32E-02	6.21E+00	6.41E+00	2.45E+00	3.88E+00	7.94E-01	1.35E+01	6.40E+00	2.81E-04	4.25E-02	2.32E-02	6.46E+00
161	486733.18	3856293.15	6.06E+00	2.41E-04	3.94E-02	2.26E-02	6.13E+00	6.33E+00	2.46E+00	3.59E+00	7.72E-01	1.32E+01	6.31E+00	2.82E-04	3.94E-02	2.26E-02	6.38E+00
162	486783.18	3856293.15	5.95E+00	2.41E-04	3.60E-02	2.22E-02	6.01E+00	6.21E+00	2.46E+00	3.28E+00	7.58E-01	1.27E+01	6.20E+00	2.82E-04	3.60E-02	2.22E-02	6.26E+00
163	486783.18	3856343.15	6.19E+00	2.46E-04	3.78E-02	2.34E-02	6.25E+00	6.46E+00	2.51E+00	3.45E+00	7.99E-01	1.32E+01	6.45E+00	2.88E-04	3.78E-02	2.34E-02	6.51E+00
164	486833.18	3856343.15	6.08E+00	2.47E-04	3.48E-02	2.29E-02	6.13E+00	6.34E+00	2.52E+00	3.17E+00	7.83E-01	1.28E+01	6.33E+00	2.89E-04	3.48E-02	2.29E-02	6.39E+00
165	486883.18	3856343.15	5.96E+00	2.48E-04	3.52E-02	2.24E-02	6.02E+00	6.22E+00	2.54E+00	3.21E+00	7.65E-01	1.27E+01	6.21E+00	2.90E-04	3.52E-02	2.24E-02	6.27E+00
166	486783.18	3856393.15	6.41E+00	2.49E-04	3.98E-02	2.43E-02	6.48E+00	6.69E+00	2.54E+00	3.63E+00	8.30E-01	1.37E+01	6.68E+00	2.91E-04	3.98E-02	2.43E-02	6.74E+00
167	486833.18	3856393.15	6.28E+00	2.50E-04	3.67E-02	2.37E-02	6.34E+00	6.55E+00	2.56E+00	3.34E+00	8.11E-01	1.33E+01	6.54E+00	2.93E-04	3.67E-02	2.37E-02	6.60E+00
168	486883.18	3856393.15	6.15E+00	2.51E-04	3.46E-02	2.33E-02	6.20E+00	6.41E+00	2.56E+00	3.16E+00	7.98E-01	1.29E+01	6.40E+00	2.94E-04	3.46E-02	2.33E-02	6.46E+00
169	487208.74	3856886.11	7.34E+00	3.34E-04	4.00E-02	1.54E-02	7.40E+00	7.66E+00	3.41E+00	3.65E+00	5.26E-01	1.52E+01	7.65E+00	3.91E-04	4.00E-02	1.54E-02	7.70E+00
170	487258.74	3856886.11	7.11E+00	3.50E-04	4.19E-02	1.53E-02	7.17E+00	7.42E+00	3.58E+00	3.82E+00	5.23E-01	1.53E+01	7.40E+00	4.10E-04	4.19E-02	1.53E-02	7.46E+00
171	487308.74	3856886.11	6.89E+00	3.57E-04	4.50E-02	1.53E-02	6.95E+00	7.19E+00	3.65E+00	4.10E+00	5.22E-01	1.55E+01	7.17E+00	4.18E-04	4.50E-02	1.53E-02	7.23E+00
172	487358.74	3856886.11	6.69E+00	3.60E-04	4.79E-02	1.52E-02	6.76E+00	6.98E+00	3.68E+00	4.37E+00	5.21E-01	1.56E+01	6.97E+00	4.21E-04	4.79E-02	1.52E-02	7.03E+00
173	487208.74	3856936.11	7.60E+00	3.31E-04	4.17E-02	1.50E-02	7.66E+00	7.93E+00	3.38E+00	3.81E+00	5.14E-01	1.56E+01	7.92E+00	3.87E-04	4.17E-02	1.50E-02	7.97E+00
174	487258.74	3856936.11	7.34E+00	3.51E-04	4.12E-02	1.49E-02	7.40E+00	7.66E+00	3.59E+00	3.76E+00	5.09E-01	1.55E+01	7.65E+00	4.11E-04	4.12E-02	1.49E-02	7.70E+00
175	487308.74	3856936.11	7.10E+00	3.65E-04	4.44E-02	1.46E-02	7.16E+00	7.41E+00	3.73E+00	4.05E+00	4.99E-01	1.57E+01	7.39E+00	4.27E-04	4.44E-02	1.46E-02	7.45E+00
176	487358.74	3856936.11	6.87E+00	3.70E-04	4.79E-02	1.43E-02	6.94E+00	7.17E+00	3.78E+00	4.37E+00	4.88E-01	1.58E+01	7.16E+00	4.33E-04	4.79E-02	1.43E-02	7.22E+00
177	487208.74	3856986.11	8.11E+00	3.24E-04	4.32E-02	1.43E-02	8.17E+00	8.46E+00	3.31E+00	3.94E+00	4.90E-01	1.62E+01	8.45E+00	3.79E-04	4.32E-02	1.43E-02	8.50E+00
178	487258.74	3856986.11	7.59E+00	3.50E-04	4.30E-02	1.42E-02	7.65E+00	7.92E+00	3.58E+00	3.92E+00	4.87E-01	1.59E+01	7.90E+00	4.10E-04	4.30E-02	1.42E-02	7.96E+00
179	487308.74	3856986.11	7.30E+00	3.69E-04	4.33E-02	1.41E-02	7.36E+00	7.62E+00	3.77E+00	3.95E+00	4.83E-01	1.58E+01	7.60E+00	4.31E-04	4.33E-02	1.41E-02	7.66E+00

180	487358.74	3856986.11	7.05E+00	3.78E-04	4.75E-02	1.39E-02	7.12E+00	7.36E+00	3.86E+00	4.33E+00	4.74E-01	1.60E+01	7.35E+00	4.42E-04	4.75E-02	1.39E-02	7.41E+00
181	487208.74	3857036.11	8.88E+00	3.09E-04	4.42E-02	1.38E-02	8.94E+00	9.27E+00	3.16E+00	4.03E+00	4.71E-01	1.69E+01	9.25E+00	3.62E-04	4.42E-02	1.38E-02	9.31E+00
182	487258.74	3857036.11	8.14E+00	3.43E-04	4.47E-02	1.37E-02	8.20E+00	8.50E+00	3.50E+00	4.07E+00	4.68E-01	1.65E+01	8.48E+00	4.01E-04	4.47E-02	1.37E-02	8.54E+00
183	487308.74	3857036.11	7.59E+00	3.70E-04	4.44E-02	1.35E-02	7.65E+00	7.92E+00	3.78E+00	4.05E+00	4.61E-01	1.62E+01	7.90E+00	4.33E-04	4.44E-02	1.35E-02	7.96E+00
184	487358.74	3857036.11	7.23E+00	3.84E-04	4.66E-02	1.33E-02	7.29E+00	7.55E+00	3.92E+00	4.25E+00	4.54E-01	1.62E+01	7.53E+00	4.49E-04	4.66E-02	1.33E-02	7.59E+00
185	487427.14	3856878.23	6.41E+00	3.64E-04	5.26E-02	1.52E-02	6.47E+00	6.68E+00	3.72E+00	4.80E+00	5.19E-01	1.57E+01	6.67E+00	4.26E-04	5.26E-02	1.52E-02	6.74E+00
186	487477.14	3856878.23	6.24E+00	3.69E-04	5.58E-02	1.50E-02	6.31E+00	6.51E+00	3.77E+00	5.09E+00	5.12E-01	1.59E+01	6.49E+00	4.32E-04	5.58E-02	1.50E-02	6.56E+00
187	487527.14	3856878.23	6.08E+00	3.72E-04	5.83E-02	1.48E-02	6.16E+00	6.35E+00	3.80E+00	5.31E+00	5.06E-01	1.60E+01	6.34E+00	4.35E-04	5.83E-02	1.48E-02	6.41E+00
188	487427.14	3856928.23	6.57E+00	3.74E-04	5.22E-02	1.39E-02	6.63E+00	6.85E+00	3.82E+00	4.76E+00	4.74E-01	1.59E+01	6.84E+00	4.38E-04	5.22E-02	1.39E-02	6.90E+00
189	487477.14	3856928.23	6.39E+00	3.75E-04	5.58E-02	1.38E-02	6.46E+00	6.67E+00	3.83E+00	5.09E+00	4.71E-01	1.61E+01	6.66E+00	4.39E-04	5.58E-02	1.38E-02	6.73E+00
190	487527.14	3856928.23	6.23E+00	3.79E-04	5.88E-02	1.36E-02	6.30E+00	6.50E+00	3.87E+00	5.37E+00	4.65E-01	1.62E+01	6.48E+00	4.44E-04	5.88E-02	1.36E-02	6.56E+00
191	487577.14	3856928.23	6.07E+00	3.85E-04	6.21E-02	1.37E-02	6.15E+00	6.34E+00	3.93E+00	5.66E+00	4.69E-01	1.64E+01	6.33E+00	4.50E-04	6.21E-02	1.37E-02	6.40E+00
192	487627.14	3856928.23	5.94E+00	3.89E-04	6.91E-02	1.38E-02	6.02E+00	6.20E+00	3.98E+00	6.30E+00	4.71E-01	1.69E+01	6.18E+00	4.55E-04	6.91E-02	1.38E-02	6.27E+00
193	487677.14	3856928.23	5.80E+00	3.94E-04	7.46E-02	1.36E-02	5.89E+00	6.05E+00	4.03E+00	6.80E+00	4.64E-01	1.73E+01	6.04E+00	4.61E-04	7.46E-02	1.36E-02	6.13E+00
194	487727.14	3856928.23	5.67E+00	3.98E-04	7.58E-02	1.32E-02	5.76E+00	5.91E+00	4.06E+00	6.91E+00	4.50E-01	1.73E+01	5.90E+00	4.65E-04	7.58E-02	1.32E-02	5.99E+00
195	487777.14	3856928.23	5.55E+00	3.97E-04	7.91E-02	1.27E-02	5.64E+00	5.79E+00	4.06E+00	7.21E+00	4.33E-01	1.75E+01	5.78E+00	4.64E-04	7.91E-02	1.27E-02	5.87E+00
196	487427.14	3856978.23	6.74E+00	3.81E-04	5.21E-02	1.36E-02	6.81E+00	7.03E+00	3.89E+00	4.75E+00	4.64E-01	1.61E+01	7.02E+00	4.46E-04	5.21E-02	1.36E-02	7.08E+00
197	487477.14	3856978.23	6.54E+00	3.82E-04	5.57E-02	1.33E-02	6.61E+00	6.83E+00	3.91E+00	5.08E+00	4.54E-01	1.63E+01	6.81E+00	4.47E-04	5.57E-02	1.33E-02	6.88E+00
198	487527.14	3856978.23	6.37E+00	3.86E-04	5.90E-02	1.28E-02	6.44E+00	6.64E+00	3.95E+00	5.38E+00	4.39E-01	1.64E+01	6.63E+00	4.52E-04	5.90E-02	1.28E-02	6.70E+00
199	487577.14	3856978.23	6.21E+00	3.90E-04	6.17E-02	1.28E-02	6.28E+00	6.47E+00	3.99E+00	5.63E+00	4.36E-01	1.65E+01	6.46E+00	4.56E-04	6.17E-02	1.28E-02	6.54E+00
200	487627.14	3856978.23	6.06E+00	3.95E-04	6.76E-02	1.28E-02	6.14E+00	6.33E+00	4.04E+00	6.16E+00	4.37E-01	1.70E+01	6.31E+00	4.62E-04	6.76E-02	1.28E-02	6.39E+00
201	487677.14	3856978.23	5.92E+00	4.00E-04	7.39E-02	1.25E-02	6.00E+00	6.17E+00	4.09E+00	6.74E+00	4.29E-01	1.74E+01	6.16E+00	4.68E-04	7.39E-02	1.25E-02	6.25E+00
202	487727.14	3856978.23	5.80E+00	3.98E-04	7.74E-02	1.23E-02	5.89E+00	6.05E+00	4.07E+00	7.06E+00	4.21E-01	1.76E+01	6.04E+00	4.66E-04	7.74E-02	1.23E-02	6.13E+00
203	487777.14	3856978.23	5.65E+00	4.08E-04	7.99E-02	1.16E-02	5.74E+00	5.89E+00	4.17E+00	7.28E+00	3.98E-01	1.77E+01	5.88E+00	4.78E-04	7.99E-02	1.16E-02	5.97E+00
204	487427.14	3857028.23	6.89E+00	3.89E-04	5.23E-02	1.33E-02	6.96E+00	7.19E+00	3.98E+00	4.77E+00	4.54E-01	1.64E+01	7.18E+00	4.56E-04	5.23E-02	1.33E-02	7.25E+00
205	487477.14	3857028.23	6.69E+00	3.91E-04	5.52E-02	1.31E-02	6.76E+00	6.98E+00	4.00E+00	5.04E+00	4.48E-01	1.65E+01	6.97E+00	4.58E-04	5.52E-02	1.31E-02	7.04E+00
206	487527.14	3857028.23	6.51E+00	3.93E-04	5.93E-02	1.27E-02	6.58E+00	6.79E+00	4.02E+00	5.40E+00	4.35E-01	1.66E+01	6.77E+00	4.60E-04	5.93E-02	1.27E-02	6.85E+00
207	487577.14	3857028.23	6.33E+00	3.97E-04	6.23E-02	1.22E-02	6.41E+00	6.61E+00	4.06E+00	5.68E+00	4.16E-01	1.68E+01	6.59E+00	4.64E-04	6.23E-02	1.22E-02	6.67E+00
208	487627.14	3857028.23	6.19E+00	4.02E-04	6.55E-02	1.21E-02	6.26E+00	6.45E+00	4.10E+00	5.97E+00	4.15E-01	1.69E+01	6.44E+00	4.70E-04	6.55E-02	1.21E-02	6.52E+00
209	487677.14	3857028.23	6.03E+00	4.09E-04	7.26E-02	1.20E-02	6.12E+00	6.29E+00	4.18E+00	6.62E+00	4.10E-01	1.75E+01	6.28E+00	4.79E-04	7.26E-02	1.20E-02	6.37E+00
210	487727.14	3857028.23	5.88E+00	4.17E-04	7.79E-02	1.16E-02	5.97E+00	6.14E+00	4.26E+00	7.11E+00	3.97E-01	1.79E+01	6.12E+00	4.88E-04	7.79E-02	1.16E-02	6.21E+00
211	487777.14	3857028.23	5.75E+00	4.19E-04	8.01E-02	1.11E-02	5.84E+00	6.00E+00	4.28E+00	7.31E+00	3.80E-01	1.80E+01	5.99E+00	4.91E-04	8.01E-02	1.11E-02	6.08E+00
212	487427.14	3857078.23	7.00E+00	3.99E-04	5.20E-02	1.32E-02	7.07E+00	7.30E+00	4.07E+00	4.74E+00	4.53E-01	1.66E+01	7.29E+00	4.66E-04	5.20E-02	1.32E-02	7.36E+00
213	487477.14	3857078.23	6.80E+00	4.02E-04	5.58E-02	1.31E-02	6.87E+00	7.10E+00	4.11E+00	5.09E+00	4.48E-01	1.67E+01	7.08E+00	4.70E-04	5.58E-02	1.31E-02	7.15E+00
214	487527.14	3857078.23	6.61E+00	4.04E-04	5.89E-02	1.27E-02	6.69E+00	6.90E+00	4.13E+00	5.37E+00	4.35E-01	1.68E+01	6.89E+00	4.73E-04	5.89E-02	1.27E-02	6.96E+00
215	487577.14	3857078.23	6.44E+00	4.06E-04	6.28E-02	1.22E-02	6.52E+00	6.72E+00	4.15E+00	5.72E+00	4.16E-01	1.70E+01	6.71E+00	4.76E-04	6.28E-02	1.22E-02	6.78E+00
216	487627.14	3857078.23	6.29E+00	4.12E-04	6.54E-02	1.15E-02	6.36E+00	6.56E+00	4.21E+00	5.96E+00	3.93E-01	1.71E+01	6.55E+00	4.82E-04	6.54E-02	1.15E-02	6.62E+00
217	487677.14	3857078.23	6.13E+00	4.20E-04	7.11E-02	1.13E-02	6.21E+00	6.39E+00	4.29E+00	6.49E+00	3.85E-01	1.76E+01	6.38E+00	4.91E-04	7.11E-02	1.13E-02	6.46E+00
218	487727.14	3857078.23	5.98E+00	4.26E-04	7.77E-02	1.10E-02	6.07E+00	6.24E+00	4.35E+00	7.09E+00	3.77E-01	1.81E+01	6.22E+00	4.99E-04	7.77E-02	1.10E-02	6.31E+00
219	487777.14	3857078.23	5.84E+00	4.28E-04	7.98E-02	1.07E-02	5.93E+00	6.10E+00	4.37E+00	7.27E+00	3.65E-01	1.81E+01	6.08E+00	5.00E-04	7.98E-02	1.07E-02	6.17E+00
220	487427.14	3857128.23	7.32E+00	4.07E-04	5.09E-02	1.31E-02	7.39E+00	7.64E+00	4.15E+00	4.65E+00	4.46E-01	1.69E+01	7.63E+00	4.76E-04	5.09E-02	1.31E-02	7.69E+00
221	487477.14	3857128.23	6.97E+00	4.11E-04	5.58E-02	1.30E-02	7.04E+00	7.28E+00	4.19E+00	5.09E+00	4.45E-01	1.70E+01	7.26E+00	4.80E-04	5.58E-02	1.30E-02	7.33E+00
222	487527.14	3857128.23	6.78E+00	4.12E-04	5.94E-02	1.28E-02	6.85E+00	7.07E+00	4.21E+00	5.42E+00	4.38E-01	1.71E+01	7.06E+00	4.82E-04	5.94E-02	1.28E-02	7.13E+00
223	487577.14	3857128.23	6.60E+00	4.13E-04	6.30E-02	1.23E-02	6.68E+00	6.89E+00	4.22E+00	5.74E+00	4.22E-01	1.73E+01	6.87E+00	4.84E-04	6.30E-02	1.23E-02	6.95E+00
224	487627.14	3857128.23	6.43E+00	4.20E-04	6.60E-02	1.17E-02	6.51E+00	6.71E+00	4.29E+00	6.02E+00	4.00E-01	1.74E+01	6.70E+00	4.92E-04	6.60E-02	1.17E-02	6.78E+00
225	487677.14	3857128.23	6.28E+00	4.26E-04	6.90E-02	1.14E-02	6.36E+00	6.55E+00	4.35E+00	6.29E+00	3.89E-01	1.76E+01	6.54E+00	4.99E-04	6.90E-02	1.14E-02	6.62E+00
226	487727.14	3857128.23	6.12E+00	4.36E-04	7.65E-02	1.10E-02	6.20E+00	6.38E+00	4.45E+00	6.98E+00	3.76E-01	1.82E+01	6.37E+00	5.10E-04	7.65E-02	1.10E-02	6.46E+00
227	487777.14	3857128.23	5.98E+00	4.38E-04	8.12E-02	1.06E-02	6.07E+00	6.24E+00	4.48E+00	7.41E+00	3.64E-01	1.85E+01	6.22E+00	5.13E-04	8.12E-02	1.06E-02	6.32E+00
228	488049.44	3856539.39	4.32E+00	3.54E-04	3.94E-02	1.22E-02	4.37E+00	4.51E+00	3.61E+00	3.59E+00	4.18E-01	1.21E+01	4.50E+00	4.14E-04	3.94E-02	1.22E-02	4.55E+00
229	488099.44	3856539.39	4.24E+00	3.50E-04	3.82E-02	1.20E-02	4.29E+00	4.42E+00	3.58E+00	3.48E+00	4.11E-01	1.19E+01	4.41E+00	4.10E-04	3.82E-02	1.20E-02	4.47E+00
230	488149.44	3856539.39	4.16E+00	3.50E-04	4.15E-02	1.18E-02	4.22E+00	4.34E+00	3.57E+00	3.78E+00	4.02E-01	1.21E+01	4.34E+00	4.09E-04	4.15E-02	1.18E-02	4.39E+00
231	488049.44	3856589.39	4.42E+00	3.64E-04	4.07E-02	1.22E-02	4.47E+00	4.61E+00	3.72E+00	3.71E+00	4.17E-01	1.25E+01	4.60E+00	4.26E-04	4.07E-02	1.22E-02	4.66E+00
232	488099.44	3856589.39	4.34E+00	3.62E-04	3.89E-02	1.20E-02	4.39E+00	4.53E+00	3.70E+00	3.55E+00	4.10E-01	1.22E+01	4.52E+00	4.23E-04	3.89E-02	1.20E-02	4.57E+00
233	488149.44	3856589.39	4.26E+00	3.63E-04	4.27E-02	1.18E-02	4.31E+00	4.44E+00	3.70E+00	3.89E+00	4.02E-01	1.24E+01	4.43E+00	4.24E-04	4.27E-02	1.18E-02	4.49E+00
234	488199.44	3856589.39	4.18E+00	3.60E-04	4.81E-02	1.16E-02	4.24E+00	4.36E+00	3.68E+00	4.38E+00	3.96E-01	1.28E+01	4.35E+00	4.22E-04	4.81E-02	1.16E-02	4.41E+00
235	488249.44	3856589.39	4.10E+00	3.65E-04	5.24E-02	1.12E-02	4.17E+00	4.28E+00	3.73E+00	4.78E+00	3.85E-01	1.32E+01	4.27E+00	4.27E-04	5.24E-02	1.12E-02	4.34E+00
236	488049.44	3856639.39	4.52E+00	3.74E-04	4.20E-02	1.24E-02	4.57E+00	4.72E+00	3.82E+00	3.83E+00	4.23E-01	1.28E+01	4.71E+00	4.37E-04	4.20E-02	1.24E-02	4.76E+00
237	488099.44	3856639.39	4.44E+00	3.72E-04	3.96E-02	1.21E-02	4.49E+00	4.63E+00	3.80E+00	3.61E+00	4.13E-01	1.25E+01	4.62E+00	4.35E-04	3.96E-02	1.21E-02	4.68E+00
238	488149.44	3856639.39	4.36E+00	3.74E-04	4.40E-02	1.17E-02	4.41E+00	4.55E+00	3.82E+00	4.01E+00	4.02E-01	1.28E+01	4.54E+00	4.38E-04	4.40E-02	1.17E-02	4.59E+00
239	488199.44	3856639.39	4.28E+00	3.78E-04	4.96E-02	1.14E-02	4.34E+00	4.46E+00	3.86E+00	4.53E+00	3.91E-01	1.32E+01	4.45E+00	4.42E-04	4.96E-02	1.14E-02	4.51E+00
240	488249.44	3856639.39	4.20E+00	3.75E-04	5.41E-02	1.12E-02	4.26E+00	4.38E+00	3.83E+00	4.93E+00	3.82E-01	1.35E+01	4.37E+00	4.39E-04	5.41E-02	1.12E-02	4.44E+00

241	488299.44	3856639.39	4.12E+00	3.72E-04	5.69E-02	1.09E-02	4.19E+00	4.30E+00	3.80E+00	5.19E+00	3.74E-01	1.37E+01	4.29E+00	4.35E-04	5.69E-02	1.09E-02	4.36E+00
242	488349.44	3856639.39	4.05E+00	3.63E-04	6.10E-02	1.08E-02	4.12E+00	4.22E+00	3.71E+00	5.57E+00	3.68E-01	1.39E+01	4.22E+00	4.25E-04	6.10E-02	1.08E-02	4.29E+00
243	488399.44	3856639.39	3.97E+00	3.62E-04	6.45E-02	1.05E-02	4.05E+00	4.15E+00	3.70E+00	5.88E+00	3.58E-01	1.41E+01	4.14E+00	4.24E-04	6.45E-02	1.05E-02	4.21E+00
244	488099.44	3856689.39	4.53E+00	3.84E-04	4.03E-02	1.22E-02	4.58E+00	4.72E+00	3.92E+00	3.68E+00	4.18E-01	1.27E+01	4.72E+00	4.49E-04	4.03E-02	1.22E-02	4.77E+00
245	488149.44	3856689.39	4.45E+00	3.88E-04	4.53E-02	1.19E-02	4.51E+00	4.64E+00	3.96E+00	4.13E+00	4.08E-01	1.31E+01	4.63E+00	4.53E-04	4.53E-02	1.19E-02	4.69E+00
246	488199.44	3856689.39	4.37E+00	3.91E-04	5.13E-02	1.16E-02	4.43E+00	4.56E+00	3.99E+00	4.68E+00	3.96E-01	1.36E+01	4.55E+00	4.57E-04	5.13E-02	1.16E-02	4.61E+00
247	488249.44	3856689.39	4.29E+00	3.85E-04	5.58E-02	1.13E-02	4.36E+00	4.48E+00	3.93E+00	5.09E+00	3.86E-01	1.39E+01	4.47E+00	4.50E-04	5.58E-02	1.13E-02	4.53E+00
248	488299.44	3856689.39	4.21E+00	3.85E-04	5.84E-02	1.09E-02	4.28E+00	4.39E+00	3.94E+00	5.33E+00	3.74E-01	1.40E+01	4.38E+00	4.51E-04	5.84E-02	1.09E-02	4.45E+00
249	488349.44	3856689.39	4.13E+00	3.76E-04	6.24E-02	1.07E-02	4.21E+00	4.31E+00	3.85E+00	5.69E+00	3.66E-01	1.42E+01	4.30E+00	4.40E-04	6.24E-02	1.07E-02	4.38E+00
250	488399.44	3856689.39	4.06E+00	3.64E-04	6.55E-02	1.05E-02	4.14E+00	4.24E+00	3.72E+00	5.97E+00	3.61E-01	1.43E+01	4.23E+00	4.26E-04	6.55E-02	1.05E-02	4.31E+00
251	488099.44	3856739.39	4.61E+00	3.98E-04	4.14E-02	1.22E-02	4.67E+00	4.81E+00	4.07E+00	3.77E+00	4.16E-01	1.31E+01	4.80E+00	4.66E-04	4.14E-02	1.22E-02	4.86E+00
252	488149.44	3856739.39	4.53E+00	4.00E-04	4.67E-02	1.19E-02	4.59E+00	4.73E+00	4.09E+00	4.26E+00	4.08E-01	1.35E+01	4.72E+00	4.68E-04	4.67E-02	1.19E-02	4.78E+00
253	488199.44	3856739.39	4.45E+00	4.06E-04	5.30E-02	1.15E-02	4.52E+00	4.64E+00	4.14E+00	4.84E+00	3.95E-01	1.40E+01	4.63E+00	4.75E-04	5.30E-02	1.15E-02	4.70E+00
254	488249.44	3856739.39	4.38E+00	4.00E-04	5.76E-02	1.13E-02	4.45E+00	4.57E+00	4.08E+00	5.25E+00	3.86E-01	1.43E+01	4.56E+00	4.67E-04	5.76E-02	1.13E-02	4.63E+00
255	488299.44	3856739.39	4.30E+00	3.88E-04	5.98E-02	1.11E-02	4.37E+00	4.49E+00	3.96E+00	5.46E+00	3.80E-01	1.43E+01	4.48E+00	4.53E-04	5.98E-02	1.11E-02	4.55E+00
256	488349.44	3856739.39	4.22E+00	3.88E-04	6.37E-02	1.07E-02	4.29E+00	4.40E+00	3.96E+00	5.81E+00	3.64E-01	1.45E+01	4.39E+00	4.54E-04	6.37E-02	1.07E-02	4.46E+00
257	488399.44	3856739.39	4.13E+00	3.88E-04	6.65E-02	1.03E-02	4.21E+00	4.31E+00	3.96E+00	6.06E+00	3.53E-01	1.47E+01	4.30E+00	4.53E-04	6.65E-02	1.03E-02	4.38E+00
258	487999.44	3856789.39	4.86E+00	3.95E-04	5.38E-02	1.29E-02	4.93E+00	5.08E+00	4.04E+00	4.91E+00	4.41E-01	1.45E+01	5.07E+00	4.62E-04	5.38E-02	1.29E-02	5.13E+00
259	488049.44	3856789.39	4.78E+00	3.97E-04	4.65E-02	1.26E-02	4.84E+00	4.99E+00	4.06E+00	4.24E+00	4.30E-01	1.37E+01	4.98E+00	4.65E-04	4.65E-02	1.26E-02	5.04E+00
260	488099.44	3856789.39	4.70E+00	4.08E-04	4.28E-02	1.22E-02	4.75E+00	4.90E+00	4.16E+00	3.90E+00	4.16E-01	1.34E+01	4.89E+00	4.77E-04	4.28E-02	1.22E-02	4.95E+00
261	488149.44	3856789.39	4.62E+00	4.12E-04	4.83E-02	1.19E-02	4.68E+00	4.82E+00	4.21E+00	4.40E+00	4.07E-01	1.38E+01	4.81E+00	4.82E-04	4.83E-02	1.19E-02	4.87E+00
262	488199.44	3856789.39	4.53E+00	4.16E-04	5.49E-02	1.15E-02	4.60E+00	4.73E+00	4.25E+00	5.01E+00	3.94E-01	1.44E+01	4.72E+00	4.86E-04	5.49E-02	1.15E-02	4.79E+00
263	488249.44	3856789.39	4.46E+00	4.11E-04	5.95E-02	1.13E-02	4.53E+00	4.65E+00	4.20E+00	5.43E+00	3.85E-01	1.47E+01	4.64E+00	4.81E-04	5.95E-02	1.13E-02	4.71E+00
264	488299.44	3856789.39	4.38E+00	4.01E-04	6.14E-02	1.11E-02	4.46E+00	4.57E+00	4.10E+00	5.60E+00	3.78E-01	1.46E+01	4.57E+00	4.69E-04	6.14E-02	1.11E-02	4.64E+00
265	488349.44	3856789.39	4.29E+00	4.01E-04	6.49E-02	1.06E-02	4.37E+00	4.48E+00	4.10E+00	5.92E+00	3.62E-01	1.49E+01	4.47E+00	4.70E-04	6.49E-02	1.06E-02	4.55E+00
266	488399.44	3856789.39	4.21E+00	3.98E-04	6.72E-02	1.02E-02	4.29E+00	4.39E+00	4.06E+00	6.13E+00	3.49E-01	1.49E+01	4.39E+00	4.65E-04	6.72E-02	1.02E-02	4.46E+00
267	487949.44	3856839.39	5.04E+00	4.00E-04	6.73E-02	1.29E-02	5.12E+00	5.26E+00	4.08E+00	6.13E+00	4.42E-01	1.59E+01	5.25E+00	4.67E-04	6.73E-02	1.29E-02	5.33E+00
268	487999.44	3856839.39	4.95E+00	4.02E-04	5.56E-02	1.26E-02	5.02E+00	5.17E+00	4.10E+00	5.07E+00	4.32E-01	1.48E+01	5.16E+00	4.70E-04	5.56E-02	1.26E-02	5.23E+00
269	488049.44	3856839.39	4.86E+00	4.04E-04	4.83E-02	1.23E-02	4.92E+00	5.07E+00	4.13E+00	4.41E+00	4.22E-01	1.40E+01	5.06E+00	4.73E-04	4.83E-02	1.23E-02	5.12E+00
270	488099.44	3856839.39	4.78E+00	4.14E-04	4.45E-02	1.20E-02	4.83E+00	4.98E+00	4.23E+00	4.06E+00	4.10E-01	1.37E+01	4.97E+00	4.85E-04	4.45E-02	1.20E-02	5.03E+00
271	488149.44	3856839.39	4.70E+00	4.24E-04	4.99E-02	1.17E-02	4.76E+00	4.90E+00	4.33E+00	4.55E+00	3.99E-01	1.42E+01	4.89E+00	4.96E-04	4.99E-02	1.17E-02	4.95E+00
272	488199.44	3856839.39	4.61E+00	4.28E-04	5.69E-02	1.14E-02	4.68E+00	4.81E+00	4.37E+00	5.19E+00	3.89E-01	1.48E+01	4.80E+00	5.00E-04	5.69E-02	1.14E-02	4.87E+00
273	487949.44	3856889.39	5.13E+00	4.03E-04	7.00E-02	1.24E-02	5.21E+00	5.35E+00	4.12E+00	6.39E+00	4.25E-01	1.63E+01	5.34E+00	4.72E-04	7.00E-02	1.24E-02	5.42E+00
274	487999.44	3856889.39	5.03E+00	4.09E-04	5.74E-02	1.21E-02	5.10E+00	5.25E+00	4.18E+00	5.24E+00	4.13E-01	1.51E+01	5.24E+00	4.79E-04	5.74E-02	1.21E-02	5.31E+00
275	488049.44	3856889.39	4.95E+00	4.09E-04	5.02E-02	1.19E-02	5.02E+00	5.17E+00	4.18E+00	4.57E+00	4.06E-01	1.43E+01	5.16E+00	4.78E-04	5.02E-02	1.19E-02	5.22E+00
276	488099.44	3856889.39	4.85E+00	4.24E-04	4.66E-02	1.15E-02	4.91E+00	5.06E+00	4.33E+00	4.25E+00	3.95E-01	1.40E+01	5.05E+00	4.96E-04	4.66E-02	1.15E-02	5.11E+00
277	488635.86	3857895.05	5.06E+00	7.94E-04	2.21E-01	1.61E-02	5.30E+00	5.28E+00	8.12E+00	2.02E+01	5.51E-01	3.41E+01	5.27E+00	9.29E-04	2.21E-01	1.61E-02	5.51E+00
278	489137.64	3857804.15	4.66E+00	7.00E-04	1.39E-01	1.44E-02	4.81E+00	4.86E+00	7.15E+00	1.27E+01	4.93E-01	2.52E+01	4.85E+00	8.19E-04	1.39E-01	1.44E-02	5.00E+00
279	488617.32	3857859.41	5.12E+00	7.85E-04	1.94E-01	1.49E-02	5.32E+00	5.34E+00	8.02E+00	1.77E+01	5.10E-01	3.15E+01	5.33E+00	9.18E-04	1.94E-01	1.49E-02	5.54E+00
280	488667.32	3857859.41	5.07E+00	7.69E-04	1.87E-01	1.55E-02	5.27E+00	5.29E+00	7.86E+00	1.70E+01	5.31E-01	3.07E+01	5.27E+00	9.00E-04	1.87E-01	1.55E-02	5.48E+00
281	488717.32	3857859.41	5.01E+00	7.53E-04	1.89E-01	1.61E-02	5.21E+00	5.22E+00	7.69E+00	1.72E+01	5.49E-01	3.07E+01	5.21E+00	8.81E-04	1.89E-01	1.61E-02	5.42E+00
282	488767.32	3857859.41	4.97E+00	7.48E-04	1.87E-01	1.61E-02	5.17E+00	5.18E+00	7.64E+00	1.71E+01	5.52E-01	3.05E+01	5.17E+00	8.75E-04	1.87E-01	1.61E-02	5.38E+00
283	488617.32	3857909.41	5.05E+00	8.04E-04	2.27E-01	1.63E-02	5.30E+00	5.27E+00	8.21E+00	2.07E+01	5.58E-01	3.47E+01	5.26E+00	9.40E-04	2.27E-01	1.63E-02	5.50E+00
284	488667.32	3857909.41	5.03E+00	7.98E-04	2.18E-01	1.64E-02	5.27E+00	5.25E+00	8.15E+00	1.99E+01	5.60E-01	3.38E+01	5.24E+00	9.34E-04	2.18E-01	1.64E-02	5.47E+00
285	488717.32	3857909.41	5.02E+00	7.70E-04	2.07E-01	1.64E-02	5.24E+00	5.24E+00	7.87E+00	1.89E+01	5.60E-01	3.26E+01	5.23E+00	9.01E-04	2.07E-01	1.64E-02	5.45E+00
286	488767.32	3857909.41	4.95E+00	7.77E-04	2.03E-01	1.59E-02	5.17E+00	5.17E+00	7.94E+00	1.85E+01	5.45E-01	3.22E+01	5.16E+00	9.09E-04	2.03E-01	1.59E-02	5.38E+00
287	488417.32	3857959.41	5.05E+00	8.19E-04	2.72E-01	1.50E-02	5.34E+00	5.27E+00	8.37E+00	2.48E+01	5.14E-01	3.89E+01	5.26E+00	9.58E-04	2.72E-01	1.50E-02	5.55E+00
288	488467.32	3857959.41	5.00E+00	8.27E-04	2.68E-01	1.62E-02	5.29E+00	5.22E+00	8.45E+00	2.44E+01	5.55E-01	3.86E+01	5.21E+00	9.68E-04	2.68E-01	1.62E-02	5.50E+00
289	488517.32	3857959.41	4.99E+00	8.31E-04	2.60E-01	1.68E-02	5.27E+00	5.20E+00	8.49E+00	2.37E+01	5.76E-01	3.80E+01	5.19E+00	9.73E-04	2.60E-01	1.68E-02	5.47E+00
290	488567.32	3857959.41	4.95E+00	8.37E-04	2.49E-01	1.69E-02	5.22E+00	5.17E+00	8.55E+00	2.28E+01	5.77E-01	3.71E+01	5.16E+00	9.79E-04	2.49E-01	1.69E-02	5.43E+00
291	488617.32	3857959.41	4.94E+00	8.27E-04	2.38E-01	1.66E-02	5.19E+00	5.15E+00	8.45E+00	2.17E+01	5.66E-01	3.59E+01	5.14E+00	9.67E-04	2.38E-01	1.66E-02	5.40E+00
292	488667.32	3857959.41	4.96E+00	8.10E-04	2.27E-01	1.63E-02	5.21E+00	5.18E+00	8.27E+00	2.07E+01	5.57E-01	3.47E+01	5.17E+00	9.47E-04	2.27E-01	1.63E-02	5.41E+00
293	488717.32	3857959.41	4.96E+00	7.98E-04	2.14E-01	1.61E-02	5.19E+00	5.17E+00	8.15E+00	1.95E+01	5.50E-01	3.34E+01	5.16E+00	9.33E-04	2.14E-01	1.61E-02	5.39E+00
294	488767.32	3857959.41	4.95E+00	8.07E-04	2.04E-01	1.62E-02	5.17E+00	5.16E+00	8.24E+00	1.86E+01	5.52E-01	3.26E+01	5.15E+00	9.44E-04	2.04E-01	1.62E-02	5.37E+00
295	488417.32	3858009.41	4.93E+00	8.44E-04	2.82E-01	1.73E-02	5.23E+00	5.14E+00	8.63E+00	2.57E+01	5.93E-01	4.01E+01	5.13E+00	9.88E-04	2.82E-01	1.73E-02	5.43E+00
296	488467.32	3858009.41	4.96E+00	8.52E-04	2.67E-01	1.76E-02	5.25E+00	5.18E+00	8.71E+00	2.44E+01	6.02E-01	3.89E+01	5.17E+00	9.97E-04	2.67E-01	1.76E-02	5.45E+00
297	488517.32	3858009.41	4.94E+00	8.59E-04	2.61E-01	1.72E-02	5.22E+00	5.16E+00	8.78E+00	2.38E+01	5.89E-01	3.83E+01	5.15E+00	1.00E-03	2.61E-01	1.72E-02	5.43E+00
298	488567.32	3858009.41	4.92E+00	8.63E-04	2.50E-01	1.66E-02	5.18E+00	5.13E+00	8.81E+00	2.28E+01	5.66E-01	3.74E+01	5.12E+00	1.01E-03	2.50E-01	1.66E-02	5.39E+00
299	488617.32	3858009.41	4.90E+00	8.47E-04	2.37E-01	1.64E-02	5.16E+00	5.12E+00	8.66E+00	2.16E+01	5.61E-01	3.60E+01	5.11E+00	9.91E-04	2.37E-01	1.64E-02	5.36E+00
300	488667.32	3858009.41	4.85E+00	8.27E-04	2.24E-01	1.66E-02	5.09E+00	5.06E+00	8.45E+00	2.04E+01	5.67E-01	3.45E+01	5.05E+00	9.68E-04	2.24E-01	1.66E-02	5.29E+00
301	488717.32	3858009.41	4.89E+00	8.23E-04	2.09E-01	1.65E-02	5.11E+00	5.10E+00	8.41E+00	1.90E+01	5.65E-01	3.31E+01	5.09E+00	9.63E-04	2.09E-01	1.65E-02	5.31E+00

302	488767.32	3858009.41	4.89E+00	8.34E-04	1.98E-01	1.68E-02	5.10E+00	5.10E+00	8.52E+00	1.80E+01	5.74E-01	3.22E+01	5.09E+00	9.75E-04	1.98E-01	1.68E-02	5.31E+00
303	488417.32	3858059.41	4.75E+00	8.74E-04	3.17E-01	1.83E-02	5.09E+00	4.96E+00	8.93E+00	2.89E+01	6.25E-01	4.35E+01	4.95E+00	1.02E-03	3.17E-01	1.83E-02	5.29E+00
304	488467.32	3858059.41	4.84E+00	8.81E-04	2.79E-01	1.77E-02	5.13E+00	5.05E+00	9.00E+00	2.54E+01	6.04E-01	4.01E+01	5.04E+00	1.03E-03	2.79E-01	1.77E-02	5.33E+00
305	488517.32	3858059.41	4.89E+00	8.87E-04	2.55E-01	1.69E-02	5.16E+00	5.10E+00	9.06E+00	2.33E+01	5.77E-01	3.80E+01	5.09E+00	1.04E-03	2.55E-01	1.69E-02	5.36E+00
306	488567.32	3858059.41	4.88E+00	8.86E-04	2.41E-01	1.69E-02	5.14E+00	5.09E+00	9.06E+00	2.20E+01	5.76E-01	3.67E+01	5.08E+00	1.04E-03	2.41E-01	1.69E-02	5.34E+00
307	488617.32	3858059.41	4.82E+00	8.74E-04	2.27E-01	1.68E-02	5.07E+00	5.03E+00	8.93E+00	2.07E+01	5.74E-01	3.52E+01	5.02E+00	1.02E-03	2.27E-01	1.68E-02	5.27E+00
308	488667.32	3858059.41	4.83E+00	8.55E-04	2.14E-01	1.71E-02	5.06E+00	5.04E+00	8.74E+00	1.95E+01	5.85E-01	3.39E+01	5.03E+00	1.00E-03	2.14E-01	1.71E-02	5.26E+00
309	488417.32	3858109.41	4.57E+00	8.90E-04	3.11E-01	1.82E-02	4.90E+00	4.77E+00	9.10E+00	2.83E+01	6.22E-01	4.28E+01	4.76E+00	1.04E-03	3.11E-01	1.82E-02	5.09E+00
310	488467.32	3858109.41	4.67E+00	9.03E-04	2.82E-01	1.75E-02	4.97E+00	4.87E+00	9.22E+00	2.57E+01	5.99E-01	4.04E+01	4.86E+00	1.06E-03	2.82E-01	1.75E-02	5.16E+00
311	488517.32	3858109.41	4.73E+00	9.13E-04	2.70E-01	1.71E-02	5.02E+00	4.94E+00	9.33E+00	2.46E+01	5.86E-01	3.95E+01	4.93E+00	1.07E-03	2.70E-01	1.71E-02	5.22E+00
312	488567.32	3858109.41	4.80E+00	9.08E-04	2.60E-01	1.73E-02	5.08E+00	5.01E+00	9.28E+00	2.37E+01	5.92E-01	3.86E+01	5.00E+00	1.06E-03	2.60E-01	1.73E-02	5.28E+00
313	488617.32	3858109.41	4.80E+00	8.96E-04	2.45E-01	1.74E-02	5.06E+00	5.01E+00	9.15E+00	2.23E+01	5.94E-01	3.71E+01	5.00E+00	1.05E-03	2.45E-01	1.74E-02	5.26E+00
314	488667.32	3858109.41	4.77E+00	8.83E-04	2.31E-01	1.72E-02	5.01E+00	4.97E+00	9.02E+00	2.11E+01	5.87E-01	3.57E+01	4.96E+00	1.03E-03	2.31E-01	1.72E-02	5.21E+00
315	488769.93	3858449.27	3.71E+00	1.07E-03	1.37E-01	1.25E-02	3.86E+00	3.87E+00	1.09E+01	1.25E+01	4.29E-01	2.77E+01	3.86E+00	1.25E-03	1.37E-01	1.25E-02	4.01E+00
316	488819.93	3858449.27	3.93E+00	1.05E-03	1.38E-01	1.33E-02	4.09E+00	4.11E+00	1.07E+01	1.26E+01	4.56E-01	2.79E+01	4.10E+00	1.23E-03	1.38E-01	1.33E-02	4.25E+00
317	488819.93	3858499.27	3.59E+00	1.08E-03	1.20E-01	1.50E-02	3.73E+00	3.75E+00	1.10E+01	1.10E+01	5.14E-01	2.63E+01	3.74E+00	1.26E-03	1.20E-01	1.50E-02	3.88E+00
318	488869.93	3858499.27	3.84E+00	1.05E-03	1.20E-01	1.47E-02	3.97E+00	4.01E+00	1.07E+01	1.09E+01	5.04E-01	2.62E+01	4.00E+00	1.23E-03	1.20E-01	1.47E-02	4.13E+00
319	488869.93	3858549.27	3.48E+00	1.08E-03	1.09E-01	1.40E-02	3.61E+00	3.63E+00	1.11E+01	9.90E+00	4.80E-01	2.51E+01	3.63E+00	1.27E-03	1.09E-01	1.40E-02	3.75E+00
320	489438.17	3859571.48	3.24E+00	1.50E-03	4.30E-02	1.26E-02	3.30E+00	3.38E+00	1.53E+01	3.92E+00	4.32E-01	2.31E+01	3.37E+00	1.75E-03	4.30E-02	1.26E-02	3.43E+00
321	489488.17	3859571.48	3.24E+00	1.44E-03	4.44E-02	1.23E-02	3.30E+00	3.38E+00	1.48E+01	4.05E+00	4.22E-01	2.26E+01	3.38E+00	1.69E-03	4.44E-02	1.23E-02	3.44E+00
322	489538.17	3859571.48	3.23E+00	1.39E-03	4.63E-02	1.21E-02	3.29E+00	3.37E+00	1.42E+01	4.22E+00	4.14E-01	2.22E+01	3.36E+00	1.63E-03	4.63E-02	1.21E-02	3.42E+00
323	489588.17	3859571.48	3.20E+00	1.34E-03	4.94E-02	1.21E-02	3.26E+00	3.34E+00	1.36E+01	4.51E+00	4.14E-01	2.19E+01	3.33E+00	1.56E-03	4.94E-02	1.21E-02	3.39E+00
324	489438.17	3859621.48	3.24E+00	1.55E-03	4.20E-02	1.32E-02	3.30E+00	3.38E+00	1.58E+01	3.83E+00	4.51E-01	2.35E+01	3.38E+00	1.81E-03	4.20E-02	1.32E-02	3.43E+00
325	489488.17	3859621.48	3.25E+00	1.49E-03	4.33E-02	1.29E-02	3.31E+00	3.39E+00	1.53E+01	3.95E+00	4.43E-01	2.30E+01	3.38E+00	1.75E-03	4.33E-02	1.29E-02	3.44E+00
326	489538.17	3859621.48	3.25E+00	1.44E-03	4.44E-02	1.28E-02	3.30E+00	3.39E+00	1.48E+01	4.04E+00	4.36E-01	2.26E+01	3.38E+00	1.69E-03	4.44E-02	1.28E-02	3.44E+00
327	489588.17	3859621.48	3.23E+00	1.39E-03	4.66E-02	1.25E-02	3.29E+00	3.37E+00	1.42E+01	4.25E+00	4.27E-01	2.23E+01	3.36E+00	1.63E-03	4.66E-02	1.25E-02	3.42E+00
328	489238.17	3859671.48	3.30E+00	1.79E-03	4.15E-02	1.49E-02	3.36E+00	3.44E+00	1.83E+01	3.78E+00	5.11E-01	2.61E+01	3.44E+00	2.10E-03	4.15E-02	1.49E-02	3.50E+00
329	489288.17	3859671.48	3.33E+00	1.74E-03	4.10E-02	1.46E-02	3.38E+00	3.47E+00	1.77E+01	3.74E+00	4.98E-01	2.54E+01	3.46E+00	2.03E-03	4.10E-02	1.46E-02	3.52E+00
330	489338.17	3859671.48	3.23E+00	1.68E-03	4.05E-02	1.40E-02	3.29E+00	3.37E+00	1.71E+01	3.69E+00	4.80E-01	2.47E+01	3.37E+00	1.96E-03	4.05E-02	1.40E-02	3.42E+00
331	489388.17	3859671.48	3.20E+00	1.63E-03	4.00E-02	1.36E-02	3.26E+00	3.34E+00	1.66E+01	3.65E+00	4.65E-01	2.41E+01	3.34E+00	1.90E-03	4.00E-02	1.36E-02	3.39E+00
332	489438.17	3859671.48	3.22E+00	1.58E-03	4.14E-02	1.35E-02	3.28E+00	3.36E+00	1.62E+01	3.78E+00	4.61E-01	2.38E+01	3.36E+00	1.85E-03	4.14E-02	1.35E-02	3.41E+00
333	489488.17	3859671.48	3.25E+00	1.53E-03	4.25E-02	1.35E-02	3.31E+00	3.39E+00	1.57E+01	3.87E+00	4.61E-01	2.34E+01	3.39E+00	1.79E-03	4.25E-02	1.35E-02	3.44E+00
334	489538.17	3859671.48	3.25E+00	1.49E-03	4.40E-02	1.33E-02	3.31E+00	3.39E+00	1.52E+01	4.01E+00	4.54E-01	2.30E+01	3.39E+00	1.74E-03	4.40E-02	1.33E-02	3.45E+00
335	489588.17	3859671.48	3.25E+00	1.44E-03	4.50E-02	1.28E-02	3.31E+00	3.39E+00	1.47E+01	4.11E+00	4.39E-01	2.26E+01	3.38E+00	1.68E-03	4.50E-02	1.28E-02	3.44E+00
336	489238.17	3859721.48	3.25E+00	1.79E-03	4.08E-02	1.45E-02	3.30E+00	3.39E+00	1.83E+01	3.72E+00	4.96E-01	2.59E+01	3.38E+00	2.09E-03	4.08E-02	1.45E-02	3.44E+00
337	489288.17	3859721.48	3.31E+00	1.75E-03	4.06E-02	1.35E-02	3.36E+00	3.45E+00	1.79E+01	3.70E+00	4.63E-01	2.55E+01	3.45E+00	2.05E-03	4.06E-02	1.35E-02	3.50E+00
338	489338.17	3859721.48	3.31E+00	1.70E-03	4.07E-02	1.33E-02	3.37E+00	3.46E+00	1.74E+01	3.71E+00	4.57E-01	2.50E+01	3.45E+00	1.99E-03	4.07E-02	1.33E-02	3.51E+00
339	489388.17	3859721.48	3.25E+00	1.65E-03	4.03E-02	1.37E-02	3.31E+00	3.40E+00	1.69E+01	3.67E+00	4.70E-01	2.44E+01	3.39E+00	1.93E-03	4.03E-02	1.37E-02	3.44E+00
340	489438.17	3859721.48	3.22E+00	1.60E-03	4.06E-02	1.39E-02	3.28E+00	3.36E+00	1.64E+01	3.70E+00	4.77E-01	2.39E+01	3.36E+00	1.88E-03	4.06E-02	1.39E-02	3.41E+00
341	489488.17	3859721.48	3.23E+00	1.56E-03	4.20E-02	1.38E-02	3.29E+00	3.38E+00	1.59E+01	3.83E+00	4.71E-01	2.36E+01	3.37E+00	1.82E-03	4.20E-02	1.38E-02	3.43E+00
342	489538.17	3859721.48	3.26E+00	1.52E-03	4.32E-02	1.33E-02	3.31E+00	3.40E+00	1.55E+01	3.94E+00	4.54E-01	2.33E+01	3.39E+00	1.77E-03	4.32E-02	1.33E-02	3.45E+00
343	489588.17	3859721.48	3.25E+00	1.47E-03	4.48E-02	1.25E-02	3.31E+00	3.40E+00	1.51E+01	4.08E+00	4.28E-01	2.30E+01	3.39E+00	1.72E-03	4.48E-02	1.25E-02	3.45E+00
344	489238.17	3859771.48	3.25E+00	1.78E-03	4.00E-02	1.50E-02	3.30E+00	3.39E+00	1.82E+01	3.64E+00	5.12E-01	2.58E+01	3.38E+00	2.09E-03	4.00E-02	1.50E-02	3.44E+00
345	489288.17	3859771.48	3.25E+00	1.76E-03	4.00E-02	1.48E-02	3.31E+00	3.39E+00	1.80E+01	3.65E+00	5.07E-01	2.56E+01	3.39E+00	2.06E-03	4.00E-02	1.48E-02	3.44E+00
346	489338.17	3859771.48	3.30E+00	1.72E-03	4.06E-02	1.47E-02	3.36E+00	3.44E+00	1.75E+01	3.70E+00	5.04E-01	2.52E+01	3.43E+00	2.01E-03	4.06E-02	1.47E-02	3.49E+00
347	489388.17	3859771.48	3.30E+00	1.67E-03	4.06E-02	1.45E-02	3.36E+00	3.44E+00	1.70E+01	3.70E+00	4.95E-01	2.47E+01	3.44E+00	1.95E-03	4.06E-02	1.45E-02	3.49E+00
348	489438.17	3859771.48	3.26E+00	1.63E-03	4.00E-02	1.42E-02	3.31E+00	3.40E+00	1.66E+01	3.65E+00	4.87E-01	2.42E+01	3.39E+00	1.90E-03	4.00E-02	1.42E-02	3.45E+00
349	489488.17	3859771.48	3.24E+00	1.58E-03	4.18E-02	1.40E-02	3.30E+00	3.38E+00	1.61E+01	3.82E+00	4.78E-01	2.38E+01	3.37E+00	1.85E-03	4.18E-02	1.40E-02	3.43E+00
350	489538.17	3859771.48	3.24E+00	1.53E-03	4.31E-02	1.36E-02	3.30E+00	3.38E+00	1.57E+01	3.93E+00	4.66E-01	2.34E+01	3.38E+00	1.79E-03	4.31E-02	1.36E-02	3.44E+00
351	489588.17	3859771.48	3.26E+00	1.50E-03	4.40E-02	1.34E-02	3.31E+00	3.40E+00	1.53E+01	4.01E+00	4.60E-01	2.32E+01	3.39E+00	1.75E-03	4.40E-02	1.34E-02	3.45E+00
352	489238.17	3859821.48	3.27E+00	1.74E-03	3.89E-02	2.07E-02	3.34E+00	3.42E+00	1.78E+01	3.55E+00	7.10E-01	2.55E+01	3.41E+00	2.04E-03	3.89E-02	2.07E-02	3.47E+00
353	489288.17	3859821.48	3.25E+00	1.74E-03	3.93E-02	1.99E-02	3.31E+00	3.39E+00	1.78E+01	3.58E+00	6.82E-01	2.54E+01	3.38E+00	2.03E-03	3.93E-02	1.99E-02	3.44E+00
354	489338.17	3859821.48	3.24E+00	1.71E-03	3.99E-02	1.90E-02	3.30E+00	3.38E+00	1.75E+01	3.64E+00	6.51E-01	2.52E+01	3.37E+00	2.00E-03	3.99E-02	1.90E-02	3.43E+00
355	489388.17	3859821.48	3.28E+00	1.68E-03	4.06E-02	1.80E-02	3.34E+00	3.43E+00	1.71E+01	3.70E+00	6.17E-01	2.49E+01	3.42E+00	1.96E-03	4.06E-02	1.80E-02	3.48E+00
356	489438.17	3859821.48	3.29E+00	1.63E-03	4.06E-02	1.70E-02	3.35E+00	3.43E+00	1.67E+01	3.70E+00	5.81E-01	2.44E+01	3.43E+00	1.91E-03	4.06E-02	1.70E-02	3.49E+00
357	489488.17	3859821.48	3.26E+00	1.59E-03	4.13E-02	1.63E-02	3.32E+00	3.41E+00	1.63E+01	3.77E+00	5.57E-01	2.40E+01	3.40E+00	1.86E-03	4.13E-02	1.63E-02	3.46E+00
358	489538.17	3859821.48	3.25E+00	1.55E-03	4.33E-02	1.59E-02	3.31E+00	3.39E+00	1.58E+01	3.95E+00	5.45E-01	2.37E+01	3.38E+00	1.81E-03	4.33E-02	1.59E-02	3.44E+00
359	489588.17	3859821.48	3.24E+00	1.51E-03	4.40E-02	1.56E-02	3.31E+00	3.39E+00	1.54E+01	4.01E+00	5.33E-01	2.34E+01	3.38E+00	1.77E-03	4.40E-02	1.56E-02	3.44E+00
360	489238.17	3859871.48	3.27E+00	1.68E-03	3.77E-02	2.92E-02	3.34E+00	3.41E+00	1.72E+01	3.44E+00	9.99E-01	2.50E+01	3.40E+00	1.97E-03	3.77E-02	2.92E-02	3.47E+00
361	489288.17	3859871.48	3.27E+00	1.67E-03	3.84E-02	2.76E-02	3.34E+00	3.41E+00	1.71E+01	3.50E+00	9.43E-01	2.49E+01	3.41E+00	1.96E-03	3.84E-02	2.76E-02	3.47E+00
362	489338.17	3859871.48	3.23E+00	1.68E-03	3.89E-02	2.58E-02	3.30E+00	3.37E+00	1.72E+01	3.54E+00	8.82E-01	2.50E+01	3.37E+00	1.97E-03	3.89E-02	2.58E-02	3.43E+00

363	489388.17	3859871.48	3.22E+00	1.66E-03	4.02E-02	2.42E-02	3.29E+00	3.36E+00	1.69E+01	3.67E+00	8.29E-01	2.48E+01	3.36E+00	1.94E-03	4.02E-02	2.42E-02	3.42E+00
364	489438.17	3859871.48	3.28E+00	1.63E-03	4.09E-02	2.31E-02	3.34E+00	3.42E+00	1.67E+01	3.73E+00	7.91E-01	2.46E+01	3.41E+00	1.91E-03	4.09E-02	2.31E-02	3.48E+00
365	489488.17	3859871.48	3.29E+00	1.59E-03	4.14E-02	2.21E-02	3.36E+00	3.43E+00	1.62E+01	3.78E+00	7.56E-01	2.42E+01	3.43E+00	1.86E-03	4.14E-02	2.21E-02	3.49E+00
366	489538.17	3859871.48	3.27E+00	1.55E-03	4.32E-02	2.10E-02	3.33E+00	3.41E+00	1.59E+01	3.94E+00	7.17E-01	2.39E+01	3.40E+00	1.82E-03	4.32E-02	2.10E-02	3.47E+00
367	489588.17	3859871.48	3.25E+00	1.52E-03	4.47E-02	2.01E-02	3.31E+00	3.39E+00	1.55E+01	4.07E+00	6.89E-01	2.36E+01	3.38E+00	1.77E-03	4.47E-02	2.01E-02	3.45E+00
368	489238.17	3859921.48	3.24E+00	1.61E-03	3.64E-02	3.09E-02	3.31E+00	3.38E+00	1.65E+01	3.32E+00	1.06E+00	2.42E+01	3.38E+00	1.88E-03	3.64E-02	3.09E-02	3.45E+00
369	489288.17	3859921.48	3.27E+00	1.64E-03	3.74E-02	2.99E-02	3.34E+00	3.42E+00	1.68E+01	3.41E+00	1.02E+00	2.47E+01	3.41E+00	1.92E-03	3.74E-02	2.99E-02	3.48E+00
370	489338.17	3859921.48	3.26E+00	1.64E-03	3.79E-02	2.90E-02	3.33E+00	3.41E+00	1.68E+01	3.46E+00	9.93E-01	2.47E+01	3.40E+00	1.92E-03	3.79E-02	2.90E-02	3.47E+00
371	489388.17	3859921.48	3.23E+00	1.63E-03	3.97E-02	2.82E-02	3.30E+00	3.37E+00	1.67E+01	3.62E+00	9.65E-01	2.46E+01	3.36E+00	1.91E-03	3.97E-02	2.82E-02	3.43E+00
372	489438.17	3859921.48	3.22E+00	1.60E-03	4.12E-02	2.74E-02	3.29E+00	3.36E+00	1.64E+01	3.76E+00	9.39E-01	2.44E+01	3.36E+00	1.87E-03	4.12E-02	2.74E-02	3.43E+00
373	489488.17	3859921.48	3.27E+00	1.57E-03	4.15E-02	2.65E-02	3.34E+00	3.41E+00	1.60E+01	3.78E+00	9.05E-01	2.41E+01	3.41E+00	1.83E-03	4.15E-02	2.65E-02	3.47E+00
374	489538.17	3859921.48	3.28E+00	1.55E-03	4.26E-02	2.55E-02	3.35E+00	3.42E+00	1.58E+01	3.89E+00	8.73E-01	2.40E+01	3.41E+00	1.81E-03	4.26E-02	2.55E-02	3.48E+00
375	489588.17	3859921.48	3.26E+00	1.51E-03	4.52E-02	2.47E-02	3.33E+00	3.40E+00	1.54E+01	4.12E+00	8.46E-01	2.38E+01	3.40E+00	1.77E-03	4.52E-02	2.47E-02	3.47E+00
376	489238.17	3859971.48	3.20E+00	1.56E-03	3.55E-02	3.10E-02	3.27E+00	3.34E+00	1.59E+01	3.24E+00	1.06E+00	2.36E+01	3.33E+00	1.82E-03	3.55E-02	3.10E-02	3.40E+00
377	489288.17	3859971.48	3.25E+00	1.57E-03	3.63E-02	2.92E-02	3.32E+00	3.39E+00	1.60E+01	3.31E+00	9.97E-01	2.37E+01	3.38E+00	1.84E-03	3.63E-02	2.92E-02	3.45E+00
378	489338.17	3859971.48	3.27E+00	1.58E-03	3.70E-02	2.82E-02	3.34E+00	3.41E+00	1.62E+01	3.38E+00	9.66E-01	2.39E+01	3.40E+00	1.85E-03	3.70E-02	2.82E-02	3.47E+00
379	489388.17	3859971.48	3.26E+00	1.58E-03	3.88E-02	2.75E-02	3.33E+00	3.40E+00	1.62E+01	3.54E+00	9.42E-01	2.41E+01	3.40E+00	1.85E-03	3.88E-02	2.75E-02	3.46E+00
380	489438.17	3859971.48	3.23E+00	1.57E-03	4.11E-02	2.69E-02	3.30E+00	3.37E+00	1.60E+01	3.75E+00	9.20E-01	2.40E+01	3.36E+00	1.83E-03	4.11E-02	2.69E-02	3.43E+00
381	489488.17	3859971.48	3.21E+00	1.52E-03	4.23E-02	2.66E-02	3.28E+00	3.35E+00	1.55E+01	3.86E+00	9.09E-01	2.36E+01	3.34E+00	1.78E-03	4.23E-02	2.66E-02	3.41E+00
382	489538.17	3859971.48	3.26E+00	1.47E-03	4.27E-02	2.62E-02	3.33E+00	3.40E+00	1.50E+01	3.90E+00	8.98E-01	2.32E+01	3.39E+00	1.72E-03	4.27E-02	2.62E-02	3.46E+00
383	489588.17	3859971.48	3.26E+00	1.42E-03	4.47E-02	2.58E-02	3.33E+00	3.40E+00	1.45E+01	4.07E+00	8.83E-01	2.28E+01	3.39E+00	1.66E-03	4.47E-02	2.58E-02	3.47E+00
384	483577.7	3854071	6.22E+00	3.99E-04	1.92E-02	1.19E-02	6.26E+00	6.49E+00	4.07E+00	1.75E+00	4.08E-01	1.27E+01	6.48E+00	4.66E-04	1.92E-02	1.19E-02	6.51E+00
385	483627.7	3854071	6.52E+00	3.78E-04	1.91E-02	1.17E-02	6.55E+00	6.80E+00	3.86E+00	1.75E+00	3.99E-01	1.28E+01	6.79E+00	4.42E-04	1.91E-02	1.17E-02	6.82E+00
386	483677.7	3854071	6.66E+00	3.56E-04	1.91E-02	1.04E-02	6.69E+00	6.95E+00	3.64E+00	1.74E+00	3.57E-01	1.27E+01	6.93E+00	4.17E-04	1.91E-02	1.04E-02	6.96E+00
387	483727.7	3854071	6.62E+00	3.36E-04	1.90E-02	1.00E-02	6.65E+00	6.91E+00	3.44E+00	1.73E+00	3.42E-01	1.24E+01	6.90E+00	3.94E-04	1.90E-02	1.00E-02	6.93E+00
388	483777.7	3854071	6.65E+00	3.14E-04	1.88E-02	1.06E-02	6.68E+00	6.94E+00	3.21E+00	1.72E+00	3.62E-01	1.22E+01	6.93E+00	3.67E-04	1.88E-02	1.06E-02	6.96E+00
389	483577.7	3854121	6.11E+00	4.05E-04	1.93E-02	1.23E-02	6.14E+00	6.38E+00	4.14E+00	1.76E+00	4.20E-01	1.27E+01	6.36E+00	4.74E-04	1.93E-02	1.23E-02	6.40E+00
390	483627.7	3854121	6.39E+00	3.79E-04	1.93E-02	1.14E-02	6.42E+00	6.67E+00	3.88E+00	1.76E+00	3.88E-01	1.27E+01	6.66E+00	4.44E-04	1.93E-02	1.14E-02	6.69E+00
391	483677.7	3854121	6.72E+00	3.51E-04	1.93E-02	1.02E-02	6.75E+00	7.01E+00	3.58E+00	1.76E+00	3.50E-01	1.27E+01	7.00E+00	4.10E-04	1.93E-02	1.02E-02	7.03E+00
392	483727.7	3854121	6.85E+00	3.26E-04	1.93E-02	1.04E-02	6.88E+00	7.14E+00	3.33E+00	1.76E+00	3.56E-01	1.26E+01	7.13E+00	3.81E-04	1.93E-02	1.04E-02	7.16E+00
393	483777.7	3854121	7.21E+00	3.09E-04	1.92E-02	1.09E-02	7.24E+00	7.53E+00	3.15E+00	1.75E+00	3.74E-01	1.28E+01	7.51E+00	3.61E-04	1.92E-02	1.09E-02	7.54E+00
394	483577.7	3854171	6.06E+00	3.99E-04	1.94E-02	1.24E-02	6.09E+00	6.32E+00	4.08E+00	1.77E+00	4.25E-01	1.26E+01	6.31E+00	4.67E-04	1.94E-02	1.24E-02	6.34E+00
395	483627.7	3854171	6.28E+00	3.69E-04	1.95E-02	1.10E-02	6.31E+00	6.55E+00	3.77E+00	1.78E+00	3.75E-01	1.25E+01	6.54E+00	4.32E-04	1.95E-02	1.10E-02	6.57E+00
396	483677.7	3854171	6.56E+00	3.41E-04	1.95E-02	1.02E-02	6.59E+00	6.85E+00	3.49E+00	1.78E+00	3.49E-01	1.25E+01	6.84E+00	3.99E-04	1.95E-02	1.02E-02	6.87E+00
397	483727.7	3854171	7.29E+00	3.22E-04	1.95E-02	1.08E-02	7.32E+00	7.61E+00	3.29E+00	1.78E+00	3.68E-01	1.30E+01	7.59E+00	3.77E-04	1.95E-02	1.08E-02	7.62E+00
398	483777.7	3854171	7.56E+00	3.03E-04	1.95E-02	1.14E-02	7.59E+00	7.89E+00	3.10E+00	1.77E+00	3.90E-01	1.31E+01	7.87E+00	3.54E-04	1.95E-02	1.14E-02	7.90E+00
399	483827.7	3854171	7.51E+00	2.85E-04	1.94E-02	1.21E-02	7.54E+00	7.83E+00	2.91E+00	1.76E+00	4.13E-01	1.29E+01	7.82E+00	3.34E-04	1.94E-02	1.21E-02	7.85E+00
400	483877.7	3854171	7.50E+00	2.73E-04	1.92E-02	1.24E-02	7.53E+00	7.82E+00	2.79E+00	1.75E+00	4.25E-01	1.28E+01	7.81E+00	3.20E-04	1.92E-02	1.24E-02	7.84E+00
401	483727.7	3854221	7.10E+00	3.19E-04	1.97E-02	1.11E-02	7.13E+00	7.41E+00	3.26E+00	1.80E+00	3.79E-01	1.28E+01	7.40E+00	3.73E-04	1.97E-02	1.11E-02	7.43E+00
402	483777.7	3854221	7.58E+00	2.99E-04	1.97E-02	1.18E-02	7.61E+00	7.91E+00	3.06E+00	1.80E+00	4.03E-01	1.32E+01	7.89E+00	3.50E-04	1.97E-02	1.18E-02	7.93E+00
403	483827.7	3854221	7.81E+00	2.90E-04	1.96E-02	1.21E-02	7.85E+00	8.15E+00	2.96E+00	1.79E+00	4.15E-01	1.33E+01	8.14E+00	3.39E-04	1.96E-02	1.21E-02	8.17E+00
404	483877.7	3854221	7.71E+00	2.75E-04	1.96E-02	1.26E-02	7.74E+00	8.04E+00	2.81E+00	1.78E+00	4.31E-01	1.31E+01	8.03E+00	3.22E-04	1.96E-02	1.26E-02	8.06E+00
405	489150.19	3858726.45	3.62E+00	9.48E-04	8.38E-02	1.34E-02	3.72E+00	3.78E+00	9.69E+00	7.64E+00	4.60E-01	2.16E+01	3.77E+00	1.11E-03	8.38E-02	1.34E-02	3.87E+00
406	489200.19	3858726.45	3.65E+00	9.15E-04	8.13E-02	1.24E-02	3.74E+00	3.81E+00	9.35E+00	7.41E+00	4.23E-01	2.10E+01	3.80E+00	1.07E-03	8.13E-02	1.24E-02	3.89E+00
407	489150.19	3858776.45	3.35E+00	9.81E-04	8.04E-02	1.30E-02	3.45E+00	3.50E+00	1.00E+01	7.33E+00	4.44E-01	2.13E+01	3.49E+00	1.15E-03	8.04E-02	1.30E-02	3.58E+00
408	489200.19	3858776.45	3.49E+00	9.53E-04	7.98E-02	1.19E-02	3.58E+00	3.64E+00	9.73E+00	7.28E+00	4.06E-01	2.11E+01	3.63E+00	1.11E-03	7.98E-02	1.19E-02	3.73E+00
409	488919.6	3856400.76	3.10E+00	3.13E-04	6.97E-02	9.09E-03	3.18E+00	3.24E+00	3.20E+00	6.36E+00	3.11E-01	1.31E+01	3.23E+00	3.66E-04	6.97E-02	9.09E-03	3.31E+00
410	488919.6	3856450.76	3.16E+00	3.25E-04	6.99E-02	9.20E-03	3.24E+00	3.29E+00	3.32E+00	6.37E+00	3.15E-01	1.33E+01	3.29E+00	3.80E-04	6.99E-02	9.20E-03	3.37E+00
411	488969.6	3856450.76	3.11E+00	3.22E-04	7.01E-02	9.20E-03	3.19E+00	3.25E+00	3.29E+00	6.39E+00	3.15E-01	1.32E+01	3.24E+00	3.77E-04	7.01E-02	9.20E-03	3.32E+00
412	488919.6	3856500.76	3.22E+00	3.36E-04	6.88E-02	9.23E-03	3.30E+00	3.36E+00	3.44E+00	6.28E+00	3.16E-01	1.34E+01	3.36E+00	3.93E-04	6.88E-02	9.23E-03	3.43E+00
413	488969.6	3856500.76	3.18E+00	3.35E-04	6.77E-02	9.23E-03	3.26E+00	3.32E+00	3.42E+00	6.18E+00	3.16E-01	1.32E+01	3.31E+00	3.92E-04	6.77E-02	9.23E-03	3.39E+00
414	488919.6	3856550.76	3.29E+00	3.50E-04	6.74E-02	9.12E-03	3.36E+00	3.43E+00	3.58E+00	6.15E+00	3.12E-01	1.35E+01	3.42E+00	4.09E-04	6.74E-02	9.12E-03	3.50E+00
415	488969.6	3856550.76	3.24E+00	3.46E-04	6.47E-02	9.20E-03	3.32E+00	3.38E+00	3.54E+00	5.90E+00	3.15E-01	1.31E+01	3.37E+00	4.05E-04	6.47E-02	9.20E-03	3.45E+00
416	488819.6	3856600.76	3.44E+00	3.57E-04	6.67E-02	9.26E-03	3.52E+00	3.59E+00	3.65E+00	6.09E+00	3.17E-01	1.36E+01	3.58E+00	4.18E-04	6.67E-02	9.26E-03	3.66E+00
417	488869.6	3856600.76	3.39E+00	3.60E-04	6.70E-02	9.16E-03	3.47E+00	3.54E+00	3.68E+00	6.11E+00	3.13E-01	1.36E+01	3.53E+00	4.21E-04	6.70E-02	9.16E-03	3.61E+00
418	488919.6	3856600.76	3.34E+00	3.61E-04	6.53E-02	9.09E-03	3.42E+00	3.49E+00	3.68E+00	5.96E+00	3.11E-01	1.34E+01	3.48E+00	4.22E-04	6.53E-02	9.09E-03	3.56E+00
419	488819.6	3856650.76	3.50E+00	3.70E-04	6.61E-02	9.27E-03	3.58E+00	3.66E+00	3.78E+00	6.02E+00	3.17E-01	1.38E+01	3.65E+00	4.33E-04	6.61E-02	9.27E-03	3.72E+00
420	488869.6	3856650.76	3.45E+00	3.72E-04	6.56E-02	9.17E-03	3.53E+00	3.60E+00	3.80E+00	5.99E+00	3.14E-01	1.37E+01	3.60E+00	4.35E-04	6.56E-02	9.17E-03	3.67E+00
421	488819.6	3856700.76	3.56E+00	3.84E-04	6.52E-02	9.18E-03	3.64E+00	3.72E+00	3.92E+00	5.95E+00	3.14E-01	1.39E+01	3.71E+00	4.49E-04	6.52E-02	9.18E-03	3.78E+00
422	488869.6	3856700.76	3.51E+00	3.83E-04	6.33E-02	9.08E-03	3.58E+00	3.66E+00	3.91E+00	5.77E+00	3.11E-01	1.37E+01	3.66E+00	4.48E-04	6.33E-02	9.08E-03	3.73E+00
423	488819.6	3856750.76	3.62E+00	3.94E-04	6.46E-02	9.01E-03	3.69E+00	3.78E+00	4.02E+00	5.89E+00	3.08E-01	1.40E+01	3.77E+00	4.61E-04	6.46E-02	9.01E-03	3.84E+00

424	488869.6	3856750.76	3.57E+00	3.95E-04	6.36E-02	8.91E-03	3.64E+00	3.72E+00	4.03E+00	5.80E+00	3.05E-01	1.39E+01	3.71E+00	4.62E-04	6.36E-02	8.91E-03	3.79E+00
425	488819.6	3857050.76	3.95E+00	4.74E-04	7.55E-02	1.04E-02	4.03E+00	4.12E+00	4.84E+00	6.89E+00	3.57E-01	1.62E+01	4.11E+00	5.54E-04	7.55E-02	1.04E-02	4.20E+00
426	488869.6	3857050.76	3.88E+00	4.78E-04	8.20E-02	1.05E-02	3.98E+00	4.05E+00	4.88E+00	7.48E+00	3.58E-01	1.68E+01	4.04E+00	5.59E-04	8.20E-02	1.05E-02	4.14E+00
427	488919.6	3857050.76	3.82E+00	4.74E-04	9.02E-02	1.04E-02	3.92E+00	3.99E+00	4.85E+00	8.23E+00	3.56E-01	1.74E+01	3.98E+00	5.55E-04	9.02E-02	1.04E-02	4.08E+00
428	488819.6	3857100.76	4.00E+00	4.91E-04	8.37E-02	1.07E-02	4.10E+00	4.18E+00	5.01E+00	7.63E+00	3.65E-01	1.72E+01	4.17E+00	5.74E-04	8.37E-02	1.07E-02	4.26E+00
429	488869.6	3857100.76	3.94E+00	4.91E-04	9.25E-02	1.05E-02	4.04E+00	4.11E+00	5.02E+00	8.44E+00	3.60E-01	1.79E+01	4.10E+00	5.75E-04	9.25E-02	1.05E-02	4.20E+00
430	488919.6	3857100.76	3.87E+00	4.89E-04	9.96E-02	1.06E-02	3.98E+00	4.04E+00	4.99E+00	9.08E+00	3.63E-01	1.85E+01	4.03E+00	5.72E-04	9.96E-02	1.06E-02	4.14E+00
431	488819.6	3857150.76	4.05E+00	5.08E-04	9.49E-02	1.08E-02	4.16E+00	4.23E+00	5.19E+00	8.65E+00	3.69E-01	1.84E+01	4.22E+00	5.95E-04	9.49E-02	1.08E-02	4.33E+00
432	488869.6	3857150.76	3.99E+00	5.09E-04	1.02E-01	1.07E-02	4.10E+00	4.16E+00	5.20E+00	9.26E+00	3.66E-01	1.90E+01	4.15E+00	5.96E-04	1.02E-01	1.07E-02	4.26E+00
433	488919.6	3857150.76	3.92E+00	5.01E-04	1.06E-01	1.09E-02	4.04E+00	4.09E+00	5.12E+00	9.64E+00	3.71E-01	1.92E+01	4.09E+00	5.87E-04	1.06E-01	1.09E-02	4.20E+00
434	488969.6	3857150.76	3.86E+00	4.91E-04	1.04E-01	1.09E-02	3.98E+00	4.03E+00	5.02E+00	9.53E+00	3.71E-01	1.89E+01	4.02E+00	5.74E-04	1.04E-01	1.09E-02	4.14E+00
435	488819.6	3857200.76	4.10E+00	5.27E-04	1.04E-01	1.07E-02	4.21E+00	4.27E+00	5.38E+00	9.53E+00	3.68E-01	1.95E+01	4.27E+00	6.16E-04	1.04E-01	1.07E-02	4.38E+00
436	488869.6	3857200.76	4.03E+00	5.26E-04	1.08E-01	1.09E-02	4.15E+00	4.20E+00	5.37E+00	9.87E+00	3.73E-01	1.98E+01	4.19E+00	6.15E-04	1.08E-01	1.09E-02	4.31E+00
437	488919.6	3857200.76	3.96E+00	5.16E-04	1.07E-01	1.09E-02	4.08E+00	4.13E+00	5.28E+00	9.76E+00	3.73E-01	1.95E+01	4.13E+00	6.04E-04	1.07E-01	1.09E-02	4.24E+00
438	488969.6	3857200.76	3.90E+00	5.04E-04	1.01E-01	1.09E-02	4.01E+00	4.07E+00	5.15E+00	9.17E+00	3.71E-01	1.88E+01	4.06E+00	5.90E-04	1.01E-01	1.09E-02	4.18E+00
439	488819.6	3857250.76	4.15E+00	5.43E-04	1.11E-01	1.10E-02	4.27E+00	4.33E+00	5.54E+00	1.01E+01	3.74E-01	2.03E+01	4.32E+00	6.35E-04	1.11E-01	1.10E-02	4.45E+00
440	488869.6	3857250.76	4.07E+00	5.39E-04	1.09E-01	1.10E-02	4.19E+00	4.25E+00	5.50E+00	9.98E+00	3.75E-01	2.01E+01	4.24E+00	6.30E-04	1.09E-01	1.10E-02	4.36E+00
441	488919.6	3857250.76	4.00E+00	5.28E-04	1.02E-01	1.11E-02	4.12E+00	4.18E+00	5.39E+00	9.34E+00	3.78E-01	1.93E+01	4.17E+00	6.17E-04	1.02E-01	1.11E-02	4.28E+00
442	488969.6	3857250.76	3.94E+00	5.18E-04	9.61E-02	1.10E-02	4.05E+00	4.11E+00	5.29E+00	8.77E+00	3.77E-01	1.85E+01	4.11E+00	6.06E-04	9.61E-02	1.10E-02	4.21E+00
443	488819.6	3857300.76	4.24E+00	5.60E-04	1.12E-01	1.10E-02	4.36E+00	4.43E+00	5.72E+00	1.02E+01	3.76E-01	2.07E+01	4.42E+00	6.56E-04	1.12E-01	1.10E-02	4.54E+00
444	488869.6	3857300.76	4.16E+00	5.54E-04	1.04E-01	1.12E-02	4.28E+00	4.34E+00	5.66E+00	9.47E+00	3.82E-01	1.99E+01	4.34E+00	6.48E-04	1.04E-01	1.12E-02	4.45E+00
445	488919.6	3857300.76	4.09E+00	5.43E-04	9.83E-02	1.11E-02	4.20E+00	4.26E+00	5.55E+00	8.96E+00	3.80E-01	1.92E+01	4.25E+00	6.35E-04	9.83E-02	1.11E-02	4.36E+00
446	488819.6	3857450.76	4.47E+00	6.07E-04	1.06E-01	1.06E-02	4.59E+00	4.66E+00	6.20E+00	9.70E+00	3.64E-01	2.09E+01	4.66E+00	7.10E-04	1.06E-01	1.06E-02	4.77E+00
447	488869.6	3857450.76	4.40E+00	5.92E-04	1.01E-01	1.01E-02	4.51E+00	4.59E+00	6.05E+00	9.20E+00	3.47E-01	2.02E+01	4.58E+00	6.93E-04	1.01E-01	1.01E-02	4.69E+00
448	488919.6	3857450.76	4.32E+00	5.91E-04	9.16E-02	9.59E-03	4.43E+00	4.51E+00	6.03E+00	8.35E+00	3.28E-01	1.92E+01	4.50E+00	6.91E-04	9.16E-02	9.59E-03	4.60E+00
449	488819.6	3857500.76	4.56E+00	6.18E-04	1.04E-01	1.01E-02	4.67E+00	4.76E+00	6.31E+00	9.44E+00	3.47E-01	2.09E+01	4.75E+00	7.23E-04	1.04E-01	1.01E-02	4.86E+00
450	488869.6	3857500.76	4.48E+00	6.07E-04	9.61E-02	9.45E-03	4.58E+00	4.67E+00	6.20E+00	8.76E+00	3.23E-01	2.00E+01	4.66E+00	7.10E-04	9.61E-02	9.45E-03	4.77E+00
451	488919.6	3857500.76	4.40E+00	6.12E-04	1.05E-01	9.56E-03	4.51E+00	4.59E+00	6.25E+00	9.55E+00	3.27E-01	2.07E+01	4.58E+00	7.16E-04	1.05E-01	9.56E-03	4.70E+00
452	488819.6	3857550.76	4.67E+00	6.31E-04	1.10E-01	9.68E-03	4.79E+00	4.87E+00	6.45E+00	1.00E+01	3.31E-01	2.17E+01	4.86E+00	7.39E-04	1.10E-01	9.68E-03	4.98E+00
453	488869.6	3857550.76	4.57E+00	6.21E-04	1.21E-01	9.87E-03	4.70E+00	4.76E+00	6.35E+00	1.11E+01	3.38E-01	2.25E+01	4.75E+00	7.27E-04	1.21E-01	9.87E-03	4.89E+00
454	488919.6	3857550.76	4.48E+00	6.37E-04	1.30E-01	1.03E-02	4.62E+00	4.67E+00	6.51E+00	1.19E+01	3.52E-01	2.34E+01	4.66E+00	7.45E-04	1.30E-01	1.03E-02	4.80E+00
455	489663.71	3860900.05	2.88E+00	1.70E-03	2.81E-02	1.74E-02	2.93E+00	3.01E+00	1.73E+01	2.57E+00	5.95E-01	2.35E+01	3.00E+00	1.98E-03	2.81E-02	1.74E-02	3.05E+00
456	489813.71	3860900.05	2.82E+00	1.48E-03	2.95E-02	1.54E-02	2.86E+00	2.94E+00	1.51E+01	2.69E+00	5.25E-01	2.13E+01	2.93E+00	1.73E-03	2.95E-02	1.54E-02	2.98E+00
457	489863.71	3860900.05	2.76E+00	1.41E-03	3.02E-02	1.54E-02	2.80E+00	2.88E+00	1.44E+01	2.76E+00	5.27E-01	2.05E+01	2.87E+00	1.64E-03	3.02E-02	1.54E-02	2.92E+00
458	489913.71	3860900.05	2.70E+00	1.34E-03	3.09E-02	1.55E-02	2.75E+00	2.82E+00	1.37E+01	2.81E+00	5.29E-01	1.99E+01	2.81E+00	1.57E-03	3.09E-02	1.55E-02	2.86E+00
459	489963.71	3860900.05	2.63E+00	1.29E-03	3.13E-02	1.55E-02	2.68E+00	2.75E+00	1.32E+01	2.85E+00	5.31E-01	1.93E+01	2.74E+00	1.51E-03	3.13E-02	1.55E-02	2.79E+00
460	490013.71	3860900.05	2.65E+00	1.24E-03	3.21E-02	1.57E-02	2.70E+00	2.76E+00	1.27E+01	2.93E+00	5.38E-01	1.89E+01	2.76E+00	1.46E-03	3.21E-02	1.57E-02	2.81E+00
461	490063.71	3860900.05	2.66E+00	1.20E-03	3.31E-02	1.58E-02	2.71E+00	2.78E+00	1.23E+01	3.02E+00	5.39E-01	1.86E+01	2.77E+00	1.40E-03	3.31E-02	1.58E-02	2.82E+00
462	489663.71	3860950.05	2.84E+00	1.72E-03	2.81E-02	1.79E-02	2.89E+00	2.97E+00	1.76E+01	2.56E+00	6.11E-01	2.37E+01	2.96E+00	2.01E-03	2.81E-02	1.79E-02	3.01E+00
463	489813.71	3860950.05	2.82E+00	1.53E-03	2.88E-02	1.53E-02	2.86E+00	2.94E+00	1.56E+01	2.62E+00	5.23E-01	2.17E+01	2.93E+00	1.79E-03	2.88E-02	1.53E-02	2.98E+00
464	489863.71	3860950.05	2.77E+00	1.46E-03	2.95E-02	1.50E-02	2.82E+00	2.89E+00	1.49E+01	2.69E+00	5.14E-01	2.10E+01	2.89E+00	1.71E-03	2.95E-02	1.50E-02	2.93E+00
465	489913.71	3860950.05	2.72E+00	1.40E-03	3.02E-02	1.51E-02	2.76E+00	2.83E+00	1.43E+01	2.75E+00	5.18E-01	2.04E+01	2.83E+00	1.63E-03	3.02E-02	1.51E-02	2.88E+00
466	489963.71	3860950.05	2.66E+00	1.33E-03	3.07E-02	1.51E-02	2.70E+00	2.77E+00	1.36E+01	2.80E+00	5.17E-01	1.97E+01	2.77E+00	1.56E-03	3.07E-02	1.51E-02	2.82E+00
467	490013.71	3860950.05	2.60E+00	1.28E-03	3.12E-02	1.51E-02	2.65E+00	2.72E+00	1.31E+01	2.85E+00	5.18E-01	1.92E+01	2.71E+00	1.50E-03	3.12E-02	1.51E-02	2.76E+00
468	490063.71	3860950.05	2.61E+00	1.24E-03	3.22E-02	1.52E-02	2.66E+00	2.73E+00	1.26E+01	2.93E+00	5.21E-01	1.88E+01	2.72E+00	1.45E-03	3.22E-02	1.52E-02	2.77E+00
469	489513.71	3861000.05	2.68E+00	1.80E-03	2.73E-02	1.78E-02	2.73E+00	2.80E+00	1.83E+01	2.49E+00	6.08E-01	2.42E+01	2.79E+00	2.10E-03	2.73E-02	1.78E-02	2.84E+00
470	489563.71	3861000.05	2.69E+00	1.77E-03	2.78E-02	1.76E-02	2.74E+00	2.81E+00	1.81E+01	2.54E+00	6.03E-01	2.41E+01	2.80E+00	2.07E-03	2.78E-02	1.76E-02	2.85E+00
471	489613.71	3861000.05	2.73E+00	1.76E-03	2.80E-02	1.77E-02	2.78E+00	2.85E+00	1.79E+01	2.56E+00	6.06E-01	2.40E+01	2.85E+00	2.05E-03	2.80E-02	1.77E-02	2.89E+00
472	489663.71	3861000.05	2.79E+00	1.72E-03	2.79E-02	1.79E-02	2.84E+00	2.91E+00	1.76E+01	2.55E+00	6.12E-01	2.36E+01	2.91E+00	2.01E-03	2.79E-02	1.79E-02	2.95E+00
473	489713.71	3861000.05	2.81E+00	1.68E-03	2.76E-02	1.76E-02	2.86E+00	2.94E+00	1.71E+01	2.51E+00	6.01E-01	2.32E+01	2.93E+00	1.96E-03	2.76E-02	1.76E-02	2.98E+00
474	489763.71	3861000.05	2.82E+00	1.62E-03	2.76E-02	1.70E-02	2.87E+00	2.95E+00	1.66E+01	2.52E+00	5.82E-01	2.26E+01	2.94E+00	1.90E-03	2.76E-02	1.70E-02	2.99E+00
475	489813.71	3861000.05	2.81E+00	1.57E-03	2.81E-02	1.62E-02	2.85E+00	2.93E+00	1.60E+01	2.56E+00	5.55E-01	2.21E+01	2.92E+00	1.83E-03	2.81E-02	1.62E-02	2.97E+00
476	489863.71	3861000.05	2.78E+00	1.50E-03	2.88E-02	1.52E-02	2.82E+00	2.90E+00	1.54E+01	2.63E+00	5.21E-01	2.14E+01	2.89E+00	1.76E-03	2.88E-02	1.52E-02	2.94E+00
477	489913.71	3861000.05	2.74E+00	1.45E-03	2.95E-02	1.48E-02	2.79E+00	2.86E+00	1.48E+01	2.69E+00	5.06E-01	2.08E+01	2.85E+00	1.69E-03	2.95E-02	1.48E-02	2.90E+00
478	489963.71	3861000.05	2.67E+00	1.38E-03	3.01E-02	1.48E-02	2.72E+00	2.79E+00	1.41E+01	2.75E+00	5.08E-01	2.02E+01	2.78E+00	1.62E-03	3.01E-02	1.48E-02	2.83E+00
479	490013.71	3861000.05	2.62E+00	1.32E-03	3.06E-02	1.49E-02	2.67E+00	2.73E+00	1.35E+01	2.79E+00	5.08E-01	1.95E+01	2.73E+00	1.55E-03	3.06E-02	1.49E-02	2.78E+00
480	490063.71	3861000.05	2.57E+00	1.27E-03	3.12E-02	1.48E-02	2.62E+00	2.68E+00	1.30E+01	2.85E+00	5.07E-01	1.90E+01	2.68E+00	1.49E-03	3.12E-02	1.48E-02	2.72E+00
481	489513.71	3861050.05	2.62E+00	1.75E-03	2.68E-02	1.77E-02	2.67E+00	2.74E+00	1.79E+01	2.44E+00	6.07E-01	2.37E+01	2.73E+00	2.05E-03	2.68E-02	1.77E-02	2.78E+00
482	489563.71	3861050.05	2.66E+00	1.74E-03	2.73E-02	1.74E-02	2.70E+00	2.77E+00	1.78E+01	2.49E+00	5.95E-01	2.37E+01	2.77E+00	2.04E-03	2.73E-02	1.74E-02	2.81E+00
483	489613.71	3861050.05	2.67E+00	1.73E-03	2.77E-02	1.73E-02	2.72E+00	2.79E+00	1.77E+01	2.53E+00	5.93E-01	2.36E+01	2.78E+00	2.02E-03	2.77E-02	1.73E-02	2.83E+00
484	489663.71	3861050.05	2.72E+00	1.71E-03	2.77E-02	1.74E-02	2.77E+00	2.84E+00	1.74E+01	2.53E+00	5.96E-01	2.34E+01	2.83E+00	2.00E-03	2.77E-02	1.74E-02	2.88E+00

485	489713.71	3861050.05	2.77E+00	1.67E-03	2.75E-02	1.75E-02	2.81E+00	2.89E+00	1.71E+01	2.51E+00	6.00E-01	2.31E+01	2.88E+00	1.96E-03	2.75E-02	1.75E-02	2.93E+00
486	489763.71	3861050.05	2.79E+00	1.64E-03	2.70E-02	1.73E-02	2.83E+00	2.91E+00	1.67E+01	2.47E+00	5.92E-01	2.27E+01	2.90E+00	1.91E-03	2.70E-02	1.73E-02	2.95E+00
487	489813.71	3861050.05	2.79E+00	1.59E-03	2.76E-02	1.69E-02	2.84E+00	2.91E+00	1.63E+01	2.51E+00	5.77E-01	2.23E+01	2.91E+00	1.86E-03	2.76E-02	1.69E-02	2.96E+00
488	489863.71	3861050.05	2.77E+00	1.54E-03	2.81E-02	1.61E-02	2.81E+00	2.89E+00	1.57E+01	2.56E+00	5.50E-01	2.17E+01	2.88E+00	1.80E-03	2.81E-02	1.61E-02	2.93E+00
489	489913.71	3861050.05	2.74E+00	1.48E-03	2.88E-02	1.52E-02	2.79E+00	2.86E+00	1.51E+01	2.63E+00	5.19E-01	2.11E+01	2.86E+00	1.73E-03	2.88E-02	1.52E-02	2.90E+00
490	489963.71	3861050.05	2.70E+00	1.43E-03	2.95E-02	1.47E-02	2.74E+00	2.82E+00	1.46E+01	2.69E+00	5.04E-01	2.06E+01	2.81E+00	1.67E-03	2.95E-02	1.47E-02	2.86E+00
491	490013.71	3861050.05	2.64E+00	1.37E-03	3.01E-02	1.46E-02	2.68E+00	2.75E+00	1.40E+01	2.74E+00	5.00E-01	2.00E+01	2.75E+00	1.61E-03	3.01E-02	1.46E-02	2.79E+00
492	490063.71	3861050.05	2.58E+00	1.31E-03	3.06E-02	1.46E-02	2.63E+00	2.69E+00	1.34E+01	2.79E+00	5.00E-01	1.94E+01	2.69E+00	1.54E-03	3.06E-02	1.46E-02	2.74E+00
493	489513.71	3861100.05	2.58E+00	1.70E-03	2.62E-02	1.84E-02	2.62E+00	2.69E+00	1.74E+01	2.39E+00	6.28E-01	2.31E+01	2.68E+00	1.99E-03	2.62E-02	1.84E-02	2.73E+00
494	489563.71	3861100.05	2.61E+00	1.70E-03	2.68E-02	1.73E-02	2.65E+00	2.72E+00	1.74E+01	2.44E+00	5.93E-01	2.31E+01	2.71E+00	1.99E-03	2.68E-02	1.73E-02	2.76E+00
495	489613.71	3861100.05	2.62E+00	1.69E-03	2.72E-02	1.69E-02	2.67E+00	2.74E+00	1.73E+01	2.48E+00	5.77E-01	2.31E+01	2.73E+00	1.98E-03	2.72E-02	1.69E-02	2.78E+00
496	489663.71	3861100.05	2.63E+00	1.67E-03	2.74E-02	1.67E-02	2.68E+00	2.75E+00	1.71E+01	2.50E+00	5.71E-01	2.29E+01	2.74E+00	1.96E-03	2.74E-02	1.67E-02	2.79E+00
497	489713.71	3861100.05	2.70E+00	1.66E-03	2.73E-02	1.71E-02	2.74E+00	2.82E+00	1.69E+01	2.49E+00	5.83E-01	2.28E+01	2.81E+00	1.94E-03	2.73E-02	1.71E-02	2.86E+00
498	489763.71	3861100.05	2.74E+00	1.63E-03	2.70E-02	1.72E-02	2.79E+00	2.86E+00	1.67E+01	2.46E+00	5.88E-01	2.26E+01	2.85E+00	1.91E-03	2.70E-02	1.72E-02	2.90E+00
499	489813.71	3861100.05	2.76E+00	1.60E-03	2.69E-02	1.70E-02	2.80E+00	2.88E+00	1.63E+01	2.46E+00	5.83E-01	2.22E+01	2.87E+00	1.87E-03	2.69E-02	1.70E-02	2.92E+00
500	489863.71	3861100.05	2.76E+00	1.56E-03	2.74E-02	1.67E-02	2.81E+00	2.88E+00	1.59E+01	2.50E+00	5.71E-01	2.19E+01	2.87E+00	1.82E-03	2.74E-02	1.67E-02	2.92E+00
501	489913.71	3861100.05	2.73E+00	1.51E-03	2.81E-02	1.60E-02	2.78E+00	2.85E+00	1.54E+01	2.57E+00	5.46E-01	2.14E+01	2.85E+00	1.77E-03	2.81E-02	1.60E-02	2.89E+00
502	489963.71	3861100.05	2.70E+00	1.45E-03	2.88E-02	1.51E-02	2.75E+00	2.82E+00	1.49E+01	2.63E+00	5.17E-01	2.08E+01	2.82E+00	1.70E-03	2.88E-02	1.51E-02	2.86E+00
503	490013.71	3861100.05	2.66E+00	1.41E-03	2.94E-02	1.47E-02	2.70E+00	2.77E+00	1.44E+01	2.68E+00	5.01E-01	2.03E+01	2.77E+00	1.65E-03	2.94E-02	1.47E-02	2.81E+00
504	490063.71	3861100.05	2.59E+00	1.36E-03	2.99E-02	1.44E-02	2.64E+00	2.71E+00	1.39E+01	2.73E+00	4.93E-01	1.98E+01	2.70E+00	1.59E-03	2.99E-02	1.44E-02	2.75E+00
505	489713.71	3861150.05	2.62E+00	1.63E-03	2.71E-02	1.64E-02	2.66E+00	2.73E+00	1.66E+01	2.47E+00	5.62E-01	2.24E+01	2.72E+00	1.91E-03	2.71E-02	1.64E-02	2.77E+00
506	489763.71	3861150.05	2.68E+00	1.61E-03	2.69E-02	1.68E-02	2.73E+00	2.80E+00	1.65E+01	2.45E+00	5.75E-01	2.23E+01	2.79E+00	1.89E-03	2.69E-02	1.68E-02	2.84E+00
507	489813.71	3861150.05	2.72E+00	1.59E-03	2.65E-02	1.70E-02	2.76E+00	2.83E+00	1.63E+01	2.42E+00	5.80E-01	2.21E+01	2.83E+00	1.87E-03	2.65E-02	1.70E-02	2.87E+00
508	489863.71	3861150.05	2.73E+00	1.56E-03	2.69E-02	1.68E-02	2.78E+00	2.85E+00	1.59E+01	2.45E+00	5.75E-01	2.18E+01	2.84E+00	1.82E-03	2.69E-02	1.68E-02	2.89E+00
509	489913.71	3861150.05	2.72E+00	1.52E-03	2.74E-02	1.64E-02	2.77E+00	2.84E+00	1.56E+01	2.50E+00	5.61E-01	2.15E+01	2.83E+00	1.78E-03	2.74E-02	1.64E-02	2.88E+00
510	489963.71	3861150.05	2.70E+00	1.48E-03	2.81E-02	1.58E-02	2.74E+00	2.81E+00	1.51E+01	2.57E+00	5.40E-01	2.11E+01	2.81E+00	1.73E-03	2.81E-02	1.58E-02	2.85E+00
511	490013.71	3861150.05	2.66E+00	1.43E-03	2.88E-02	1.50E-02	2.71E+00	2.78E+00	1.46E+01	2.62E+00	5.13E-01	2.05E+01	2.77E+00	1.67E-03	2.88E-02	1.50E-02	2.82E+00
512	490063.71	3861150.05	2.61E+00	1.39E-03	2.93E-02	1.46E-02	2.66E+00	2.73E+00	1.42E+01	2.67E+00	4.99E-01	2.01E+01	2.72E+00	1.62E-03	2.93E-02	1.46E-02	2.77E+00
513	489613.71	3861200.05	2.51E+00	1.60E-03	2.61E-02	1.67E-02	2.55E+00	2.62E+00	1.63E+01	2.38E+00	5.72E-01	2.19E+01	2.61E+00	1.87E-03	2.61E-02	1.67E-02	2.66E+00
514	489663.71	3861200.05	2.55E+00	1.60E-03	2.65E-02	1.63E-02	2.59E+00	2.66E+00	1.63E+01	2.42E+00	5.59E-01	2.20E+01	2.65E+00	1.87E-03	2.65E-02	1.63E-02	2.70E+00
515	489713.71	3861200.05	2.56E+00	1.60E-03	2.67E-02	1.61E-02	2.61E+00	2.67E+00	1.64E+01	2.44E+00	5.51E-01	2.20E+01	2.67E+00	1.87E-03	2.67E-02	1.61E-02	2.71E+00
516	489763.71	3861200.05	2.61E+00	1.59E-03	2.67E-02	1.63E-02	2.65E+00	2.72E+00	1.62E+01	2.44E+00	5.56E-01	2.19E+01	2.71E+00	1.86E-03	2.67E-02	1.63E-02	2.76E+00
517	489813.71	3861200.05	2.66E+00	1.57E-03	2.64E-02	1.66E-02	2.71E+00	2.78E+00	1.61E+01	2.41E+00	5.67E-01	2.18E+01	2.77E+00	1.84E-03	2.64E-02	1.66E-02	2.82E+00
518	489863.71	3861200.05	2.69E+00	1.56E-03	2.63E-02	1.68E-02	2.74E+00	2.81E+00	1.59E+01	2.40E+00	5.73E-01	2.17E+01	2.80E+00	1.82E-03	2.63E-02	1.68E-02	2.85E+00
519	489913.71	3861200.05	2.70E+00	1.53E-03	2.68E-02	1.66E-02	2.75E+00	2.82E+00	1.56E+01	2.44E+00	5.67E-01	2.14E+01	2.81E+00	1.79E-03	2.68E-02	1.66E-02	2.86E+00
520	489963.71	3861200.05	2.68E+00	1.49E-03	2.74E-02	1.62E-02	2.73E+00	2.80E+00	1.52E+01	2.50E+00	5.54E-01	2.11E+01	2.79E+00	1.74E-03	2.74E-02	1.62E-02	2.84E+00
521	490013.71	3861200.05	2.66E+00	1.45E-03	2.81E-02	1.57E-02	2.71E+00	2.78E+00	1.49E+01	2.57E+00	5.36E-01	2.07E+01	2.77E+00	1.70E-03	2.81E-02	1.57E-02	2.82E+00
522	490063.71	3861200.05	2.62E+00	1.41E-03	2.87E-02	1.50E-02	2.67E+00	2.74E+00	1.44E+01	2.62E+00	5.11E-01	2.03E+01	2.73E+00	1.65E-03	2.87E-02	1.50E-02	2.78E+00
523	489513.71	3861250.05	2.48E+00	1.52E-03	2.44E-02	1.77E-02	2.52E+00	2.58E+00	1.56E+01	2.22E+00	6.05E-01	2.10E+01	2.58E+00	1.78E-03	2.44E-02	1.77E-02	2.62E+00
524	489563.71	3861250.05	2.47E+00	1.53E-03	2.49E-02	1.76E-02	2.51E+00	2.58E+00	1.57E+01	2.27E+00	6.02E-01	2.11E+01	2.57E+00	1.79E-03	2.49E-02	1.76E-02	2.62E+00
525	489613.71	3861250.05	2.47E+00	1.55E-03	2.55E-02	1.71E-02	2.51E+00	2.57E+00	1.58E+01	2.33E+00	5.85E-01	2.13E+01	2.57E+00	1.81E-03	2.55E-02	1.71E-02	2.61E+00
526	489663.71	3861250.05	2.49E+00	1.56E-03	2.61E-02	1.64E-02	2.54E+00	2.60E+00	1.59E+01	2.38E+00	5.60E-01	2.14E+01	2.60E+00	1.82E-03	2.61E-02	1.64E-02	2.64E+00
527	489713.71	3861250.05	2.53E+00	1.56E-03	2.64E-02	1.60E-02	2.57E+00	2.64E+00	1.59E+01	2.41E+00	5.47E-01	2.15E+01	2.63E+00	1.82E-03	2.64E-02	1.60E-02	2.67E+00
528	489763.71	3861250.05	2.54E+00	1.56E-03	2.65E-02	1.58E-02	2.58E+00	2.65E+00	1.60E+01	2.41E+00	5.39E-01	2.15E+01	2.64E+00	1.83E-03	2.65E-02	1.58E-02	2.68E+00
529	489813.71	3861250.05	2.59E+00	1.55E-03	2.63E-02	1.61E-02	2.64E+00	2.71E+00	1.59E+01	2.40E+00	5.50E-01	2.15E+01	2.70E+00	1.82E-03	2.63E-02	1.61E-02	2.74E+00
530	489863.71	3861250.05	2.64E+00	1.54E-03	2.60E-02	1.64E-02	2.69E+00	2.76E+00	1.57E+01	2.37E+00	5.60E-01	2.14E+01	2.75E+00	1.80E-03	2.60E-02	1.64E-02	2.80E+00
531	489913.71	3861250.05	2.66E+00	1.52E-03	2.62E-02	1.65E-02	2.71E+00	2.78E+00	1.56E+01	2.39E+00	5.65E-01	2.13E+01	2.77E+00	1.78E-03	2.62E-02	1.65E-02	2.82E+00
532	489963.71	3861250.05	2.67E+00	1.50E-03	2.68E-02	1.64E-02	2.71E+00	2.79E+00	1.53E+01	2.44E+00	5.60E-01	2.11E+01	2.78E+00	1.75E-03	2.68E-02	1.64E-02	2.83E+00
533	490013.71	3861250.05	2.65E+00	1.46E-03	2.75E-02	1.60E-02	2.69E+00	2.76E+00	1.49E+01	2.51E+00	5.48E-01	2.08E+01	2.76E+00	1.71E-03	2.75E-02	1.60E-02	2.80E+00
534	490063.71	3861250.05	2.62E+00	1.43E-03	2.81E-02	1.55E-02	2.67E+00	2.74E+00	1.46E+01	2.56E+00	5.30E-01	2.04E+01	2.73E+00	1.67E-03	2.81E-02	1.55E-02	2.78E+00
535	489528.13	3861308.47	2.46E+00	1.49E-03	2.40E-02	1.71E-02	2.50E+00	2.56E+00	1.52E+01	2.19E+00	5.83E-01	2.05E+01	2.56E+00	1.74E-03	2.40E-02	1.71E-02	2.60E+00
536	489578.13	3861308.47	2.44E+00	1.48E-03	2.45E-02	1.72E-02	2.48E+00	2.55E+00	1.52E+01	2.23E+00	5.88E-01	2.05E+01	2.54E+00	1.74E-03	2.45E-02	1.72E-02	2.58E+00
537	489628.13	3861308.47	2.43E+00	1.49E-03	2.50E-02	1.70E-02	2.48E+00	2.54E+00	1.52E+01	2.28E+00	5.80E-01	2.06E+01	2.53E+00	1.74E-03	2.50E-02	1.70E-02	2.58E+00
538	489678.13	3861308.47	2.44E+00	1.51E-03	2.56E-02	1.64E-02	2.48E+00	2.54E+00	1.54E+01	2.33E+00	5.60E-01	2.08E+01	2.54E+00	1.76E-03	2.56E-02	1.64E-02	2.58E+00
539	489728.13	3861308.47	2.48E+00	1.51E-03	2.60E-02	1.59E-02	2.52E+00	2.58E+00	1.55E+01	2.37E+00	5.43E-01	2.10E+01	2.58E+00	1.77E-03	2.60E-02	1.59E-02	2.62E+00
540	489778.13	3861308.47	2.50E+00	1.51E-03	2.61E-02	1.55E-02	2.54E+00	2.61E+00	1.55E+01	2.38E+00	5.31E-01	2.10E+01	2.60E+00	1.77E-03	2.61E-02	1.55E-02	2.64E+00
541	489678.13	3861358.47	2.40E+00	1.46E-03	2.50E-02	1.65E-02	2.45E+00	2.51E+00	1.49E+01	2.28E+00	5.64E-01	2.02E+01	2.50E+00	1.70E-03	2.50E-02	1.65E-02	2.55E+00
542	489728.13	3861358.47	2.42E+00	1.47E-03	2.55E-02	1.59E-02	2.46E+00	2.52E+00	1.50E+01	2.33E+00	5.43E-01	2.04E+01	2.52E+00	1.72E-03	2.55E-02	1.59E-02	2.56E+00
543	489528.13	3861408.47	2.40E+00	1.42E-03	2.30E-02	1.57E-02	2.44E+00	2.51E+00	1.45E+01	2.09E+00	5.37E-01	1.96E+01	2.50E+00	1.66E-03	2.30E-02	1.57E-02	2.54E+00
544	489578.13	3861408.47	2.41E+00	1.42E-03	2.35E-02	1.61E-02	2.45E+00	2.52E+00	1.46E+01	2.15E+00	5.51E-01	1.98E+01	2.51E+00	1.67E-03	2.35E-02	1.61E-02	2.55E+00
545	489628.13	3861408.47	2.40E+00	1.43E-03	2.40E-02	1.64E-02	2.44E+00	2.50E+00	1.46E+01	2.19E+00	5.61E-01	1.98E+01	2.50E+00	1.67E-03	2.40E-02	1.64E-02	2.54E+00

546	489678.13	3861408.47	2.39E+00	1.42E-03	2.44E-02	1.63E-02	2.43E+00	2.49E+00	1.45E+01	2.23E+00	5.58E-01	1.98E+01	2.49E+00	1.66E-03	2.44E-02	1.63E-02	2.53E+00
547	489728.13	3861408.47	2.38E+00	1.42E-03	2.50E-02	1.60E-02	2.42E+00	2.48E+00	1.45E+01	2.28E+00	5.46E-01	1.99E+01	2.48E+00	1.67E-03	2.50E-02	1.60E-02	2.52E+00
548	489528.13	3861458.47	2.37E+00	1.38E-03	2.25E-02	1.50E-02	2.41E+00	2.48E+00	1.41E+01	2.05E+00	5.14E-01	1.91E+01	2.47E+00	1.62E-03	2.25E-02	1.50E-02	2.51E+00
549	489578.13	3861458.47	2.39E+00	1.39E-03	2.31E-02	1.55E-02	2.43E+00	2.49E+00	1.42E+01	2.11E+00	5.31E-01	1.93E+01	2.49E+00	1.63E-03	2.31E-02	1.55E-02	2.53E+00
550	489628.13	3861458.47	2.39E+00	1.40E-03	2.36E-02	1.59E-02	2.43E+00	2.49E+00	1.43E+01	2.15E+00	5.42E-01	1.95E+01	2.49E+00	1.64E-03	2.36E-02	1.59E-02	2.53E+00
551	489678.13	3861458.47	2.37E+00	1.40E-03	2.39E-02	1.60E-02	2.41E+00	2.47E+00	1.43E+01	2.18E+00	5.46E-01	1.95E+01	2.46E+00	1.63E-03	2.39E-02	1.60E-02	2.50E+00
552	489728.13	3861458.47	2.35E+00	1.39E-03	2.44E-02	1.58E-02	2.39E+00	2.45E+00	1.42E+01	2.23E+00	5.40E-01	1.94E+01	2.45E+00	1.62E-03	2.44E-02	1.58E-02	2.49E+00
553	489528.13	3861508.47	2.35E+00	1.34E-03	2.20E-02	1.43E-02	2.39E+00	2.46E+00	1.37E+01	2.00E+00	4.90E-01	1.87E+01	2.45E+00	1.57E-03	2.20E-02	1.43E-02	2.49E+00
554	489578.13	3861508.47	2.35E+00	1.35E-03	2.26E-02	1.48E-02	2.39E+00	2.46E+00	1.38E+01	2.06E+00	5.07E-01	1.89E+01	2.45E+00	1.58E-03	2.26E-02	1.48E-02	2.49E+00
555	489628.13	3861508.47	2.36E+00	1.36E-03	2.31E-02	1.52E-02	2.40E+00	2.47E+00	1.39E+01	2.11E+00	5.21E-01	1.90E+01	2.46E+00	1.60E-03	2.31E-02	1.52E-02	2.50E+00
556	489678.13	3861508.47	2.36E+00	1.37E-03	2.35E-02	1.55E-02	2.40E+00	2.46E+00	1.40E+01	2.14E+00	5.29E-01	1.91E+01	2.45E+00	1.60E-03	2.35E-02	1.55E-02	2.49E+00
557	489728.13	3861508.47	2.33E+00	1.37E-03	2.39E-02	1.55E-02	2.37E+00	2.43E+00	1.40E+01	2.18E+00	5.30E-01	1.91E+01	2.43E+00	1.60E-03	2.39E-02	1.55E-02	2.47E+00
558	489628.13	3861558.47	2.34E+00	1.33E-03	2.27E-02	1.46E-02	2.38E+00	2.44E+00	1.36E+01	2.07E+00	5.01E-01	1.86E+01	2.43E+00	1.56E-03	2.27E-02	1.46E-02	2.47E+00
559	489678.13	3861558.47	2.35E+00	1.34E-03	2.31E-02	1.50E-02	2.39E+00	2.45E+00	1.37E+01	2.11E+00	5.14E-01	1.88E+01	2.44E+00	1.57E-03	2.31E-02	1.50E-02	2.48E+00
560	489728.13	3861558.47	2.33E+00	1.35E-03	2.34E-02	1.52E-02	2.37E+00	2.43E+00	1.37E+01	2.14E+00	5.20E-01	1.88E+01	2.43E+00	1.57E-03	2.34E-02	1.52E-02	2.47E+00
561	489357.08	3861015.81	2.61E+00	1.77E-03	2.50E-02	2.02E-02	2.66E+00	2.72E+00	1.81E+01	2.28E+00	6.90E-01	2.38E+01	2.72E+00	2.07E-03	2.50E-02	2.02E-02	2.77E+00
562	489407.08	3861015.81	2.61E+00	1.78E-03	2.57E-02	1.95E-02	2.65E+00	2.72E+00	1.81E+01	2.34E+00	6.68E-01	2.39E+01	2.71E+00	2.08E-03	2.57E-02	1.95E-02	2.76E+00
563	489457.08	3861015.81	2.61E+00	1.78E-03	2.62E-02	1.84E-02	2.66E+00	2.72E+00	1.82E+01	2.39E+00	6.29E-01	2.39E+01	2.72E+00	2.08E-03	2.62E-02	1.84E-02	2.77E+00
564	489357.08	3861065.81	2.60E+00	1.70E-03	2.45E-02	1.97E-02	2.64E+00	2.71E+00	1.74E+01	2.23E+00	6.73E-01	2.30E+01	2.70E+00	1.99E-03	2.45E-02	1.97E-02	2.75E+00
565	489407.08	3861065.81	2.58E+00	1.72E-03	2.52E-02	1.96E-02	2.63E+00	2.69E+00	1.75E+01	2.30E+00	6.70E-01	2.32E+01	2.69E+00	2.01E-03	2.52E-02	1.96E-02	2.74E+00
566	489457.08	3861065.81	2.58E+00	1.72E-03	2.57E-02	1.89E-02	2.62E+00	2.69E+00	1.76E+01	2.35E+00	6.48E-01	2.33E+01	2.68E+00	2.02E-03	2.57E-02	1.89E-02	2.73E+00
567	489357.08	3861115.81	2.57E+00	1.65E-03	2.39E-02	1.89E-02	2.62E+00	2.68E+00	1.68E+01	2.18E+00	6.45E-01	2.23E+01	2.68E+00	1.93E-03	2.39E-02	1.89E-02	2.72E+00
568	489407.08	3861115.81	2.57E+00	1.65E-03	2.47E-02	1.93E-02	2.61E+00	2.68E+00	1.69E+01	2.25E+00	6.59E-01	2.25E+01	2.67E+00	1.93E-03	2.47E-02	1.93E-02	2.72E+00
569	489457.08	3861115.81	2.56E+00	1.67E-03	2.53E-02	1.91E-02	2.61E+00	2.67E+00	1.71E+01	2.31E+00	6.55E-01	2.27E+01	2.67E+00	1.95E-03	2.53E-02	1.91E-02	2.71E+00
570	489407.08	3861165.81	2.55E+00	1.61E-03	2.42E-02	1.87E-02	2.60E+00	2.66E+00	1.64E+01	2.20E+00	6.39E-01	2.19E+01	2.66E+00	1.88E-03	2.42E-02	1.87E-02	2.70E+00
571	489457.08	3861165.81	2.54E+00	1.61E-03	2.48E-02	1.88E-02	2.58E+00	2.65E+00	1.64E+01	2.26E+00	6.44E-01	2.20E+01	2.64E+00	1.88E-03	2.48E-02	1.88E-02	2.69E+00
572	489407.08	3861215.81	2.51E+00	1.56E-03	2.35E-02	1.76E-02	2.55E+00	2.62E+00	1.59E+01	2.14E+00	6.03E-01	2.13E+01	2.62E+00	1.82E-03	2.35E-02	1.76E-02	2.66E+00
573	489457.08	3861215.81	2.51E+00	1.56E-03	2.42E-02	1.80E-02	2.56E+00	2.62E+00	1.59E+01	2.21E+00	6.17E-01	2.13E+01	2.62E+00	1.82E-03	2.42E-02	1.80E-02	2.66E+00
574	489407.08	3861265.81	2.47E+00	1.51E-03	2.27E-02	1.66E-02	2.51E+00	2.57E+00	1.55E+01	2.07E+00	5.66E-01	2.07E+01	2.57E+00	1.77E-03	2.27E-02	1.66E-02	2.61E+00
575	489457.08	3861265.81	2.48E+00	1.52E-03	2.35E-02	1.71E-02	2.52E+00	2.59E+00	1.55E+01	2.15E+00	5.86E-01	2.08E+01	2.58E+00	1.77E-03	2.35E-02	1.71E-02	2.63E+00
576	489309.86	3861110.14	2.56E+00	1.65E-03	2.30E-02	1.83E-02	2.60E+00	2.67E+00	1.68E+01	2.10E+00	6.26E-01	2.22E+01	2.67E+00	1.93E-03	2.30E-02	1.83E-02	2.71E+00
577	489407.08	3861315.81	2.44E+00	1.47E-03	2.22E-02	1.58E-02	2.48E+00	2.55E+00	1.50E+01	2.02E+00	5.39E-01	2.01E+01	2.54E+00	1.72E-03	2.22E-02	1.58E-02	2.58E+00
578	489457.08	3861315.81	2.45E+00	1.48E-03	2.30E-02	1.64E-02	2.49E+00	2.55E+00	1.51E+01	2.10E+00	5.60E-01	2.03E+01	2.55E+00	1.73E-03	2.30E-02	1.64E-02	2.59E+00
579	488906.03	3861006.75	2.87E+00	1.68E-03	2.19E-02	1.39E-02	2.91E+00	3.00E+00	1.72E+01	2.00E+00	4.75E-01	2.27E+01	2.99E+00	1.97E-03	2.19E-02	1.39E-02	3.03E+00
580	488956.03	3861006.75	2.84E+00	1.71E-03	2.17E-02	1.48E-02	2.88E+00	2.96E+00	1.75E+01	1.98E+00	5.05E-01	2.29E+01	2.96E+00	2.00E-03	2.17E-02	1.48E-02	3.00E+00
581	488904.24	3861051.87	2.92E+00	1.63E-03	2.26E-02	1.41E-02	2.95E+00	3.04E+00	1.66E+01	2.06E+00	4.83E-01	2.22E+01	3.04E+00	1.90E-03	2.26E-02	1.41E-02	3.07E+00
582	488954.24	3861051.87	2.86E+00	1.65E-03	2.19E-02	1.45E-02	2.90E+00	2.98E+00	1.68E+01	1.99E+00	4.96E-01	2.23E+01	2.98E+00	1.93E-03	2.19E-02	1.45E-02	3.01E+00
583	489004.24	3861051.87	2.84E+00	1.67E-03	2.17E-02	1.54E-02	2.88E+00	2.96E+00	1.71E+01	1.98E+00	5.26E-01	2.26E+01	2.96E+00	1.96E-03	2.17E-02	1.54E-02	2.99E+00
584	488804.24	3861101.87	2.86E+00	1.55E-03	2.44E-02	1.57E-02	2.91E+00	2.99E+00	1.58E+01	2.22E+00	5.36E-01	2.16E+01	2.98E+00	1.81E-03	2.44E-02	1.57E-02	3.02E+00
585	488854.24	3861101.87	2.89E+00	1.56E-03	2.37E-02	1.46E-02	2.93E+00	3.02E+00	1.59E+01	2.16E+00	4.99E-01	2.16E+01	3.01E+00	1.82E-03	2.37E-02	1.46E-02	3.05E+00
586	488904.24	3861101.87	2.85E+00	1.55E-03	2.22E-02	1.30E-02	2.89E+00	2.98E+00	1.58E+01	2.02E+00	4.44E-01	2.13E+01	2.97E+00	1.81E-03	2.22E-02	1.30E-02	3.01E+00
587	488954.24	3861101.87	2.82E+00	1.56E-03	2.13E-02	1.33E-02	2.85E+00	2.94E+00	1.60E+01	1.94E+00	4.56E-01	2.13E+01	2.93E+00	1.83E-03	2.13E-02	1.33E-02	2.97E+00
588	489004.24	3861101.87	2.78E+00	1.58E-03	2.10E-02	1.38E-02	2.82E+00	2.90E+00	1.62E+01	1.91E+00	4.73E-01	2.14E+01	2.90E+00	1.85E-03	2.10E-02	1.38E-02	2.93E+00
589	488804.24	3861151.87	2.78E+00	1.49E-03	2.38E-02	1.43E-02	2.82E+00	2.90E+00	1.52E+01	2.17E+00	4.88E-01	2.08E+01	2.90E+00	1.74E-03	2.38E-02	1.43E-02	2.94E+00
590	488854.24	3861151.87	2.80E+00	1.48E-03	2.30E-02	1.30E-02	2.84E+00	2.92E+00	1.52E+01	2.10E+00	4.43E-01	2.06E+01	2.92E+00	1.74E-03	2.30E-02	1.30E-02	2.95E+00
591	489129.49	3861187.55	2.68E+00	1.52E-03	2.01E-02	1.41E-02	2.71E+00	2.79E+00	1.55E+01	1.83E+00	4.83E-01	2.06E+01	2.79E+00	1.78E-03	2.01E-02	1.41E-02	2.82E+00
592	489179.49	3861187.55	2.62E+00	1.54E-03	2.00E-02	1.48E-02	2.66E+00	2.74E+00	1.57E+01	1.83E+00	5.06E-01	2.08E+01	2.73E+00	1.80E-03	2.00E-02	1.48E-02	2.77E+00
593	488804.24	3861201.87	2.74E+00	1.45E-03	2.39E-02	1.42E-02	2.78E+00	2.85E+00	1.48E+01	2.18E+00	4.85E-01	2.03E+01	2.85E+00	1.69E-03	2.39E-02	1.42E-02	2.89E+00
594	488854.24	3861201.87	2.76E+00	1.44E-03	2.31E-02	1.25E-02	2.80E+00	2.88E+00	1.47E+01	2.11E+00	4.29E-01	2.01E+01	2.87E+00	1.68E-03	2.31E-02	1.25E-02	2.91E+00
595	489129.49	3861237.55	2.68E+00	1.46E-03	2.00E-02	1.36E-02	2.71E+00	2.79E+00	1.49E+01	1.83E+00	4.65E-01	2.00E+01	2.79E+00	1.71E-03	2.00E-02	1.36E-02	2.82E+00
596	489179.49	3861237.55	2.63E+00	1.48E-03	1.99E-02	1.41E-02	2.66E+00	2.74E+00	1.52E+01	1.81E+00	4.82E-01	2.02E+01	2.74E+00	1.74E-03	1.99E-02	1.41E-02	2.77E+00
597	488804.24	3861251.87	2.69E+00	1.40E-03	2.39E-02	1.43E-02	2.73E+00	2.80E+00	1.43E+01	2.18E+00	4.88E-01	1.98E+01	2.80E+00	1.64E-03	2.39E-02	1.43E-02	2.84E+00
598	488854.24	3861251.87	2.72E+00	1.40E-03	2.32E-02	1.25E-02	2.76E+00	2.84E+00	1.43E+01	2.12E+00	4.27E-01	1.97E+01	2.83E+00	1.64E-03	2.32E-02	1.25E-02	2.87E+00
599	488804.24	3861301.87	2.63E+00	1.36E-03	2.38E-02	1.41E-02	2.67E+00	2.74E+00	1.39E+01	2.17E+00	4.83E-01	1.93E+01	2.74E+00	1.59E-03	2.38E-02	1.41E-02	2.78E+00
600	488854.24	3861301.87	2.67E+00	1.36E-03	2.33E-02	1.26E-02	2.71E+00	2.79E+00	1.39E+01	2.13E+00	4.31E-01	1.93E+01	2.78E+00	1.60E-03	2.33E-02	1.26E-02	2.82E+00
601	490943.5	3860181.97	2.67E+00	8.39E-04	4.29E-02	1.17E-02	2.73E+00	2.79E+00	8.57E+00	3.91E+00	3.99E-01	1.57E+01	2.78E+00	9.82E-04	4.29E-02	1.17E-02	2.84E+00
602	490993.5	3860181.97	2.63E+00	8.11E-04	4.25E-02	1.15E-02	2.69E+00	2.75E+00	8.28E+00	3.88E+00	3.94E-01	1.53E+01	2.74E+00	9.49E-04	4.25E-02	1.15E-02	2.80E+00
603	491043.5	3860181.97	2.60E+00	7.89E-04	4.20E-02	1.13E-02	2.65E+00	2.71E+00	8.06E+00	3.83E+00	3.88E-01	1.50E+01	2.71E+00	9.23E-04	4.20E-02	1.13E-02	2.76E+00
604	491093.5	3860181.97	2.59E+00	7.66E-04	4.14E-02	1.12E-02	2.65E+00	2.71E+00	7.82E+00	3.78E+00	3.81E-01	1.47E+01	2.70E+00	8.96E-04	4.14E-02	1.12E-02	2.75E+00
605	490943.5	3860231.97	2.71E+00	8.80E-04	4.39E-02	1.16E-02	2.76E+00	2.82E+00	8.99E+00	4.00E+00	3.96E-01	1.62E+01	2.82E+00	1.03E-03	4.39E-02	1.16E-02	2.88E+00
606	490993.5	3860231.97	2.66E+00	8.52E-04	4.28E-02	1.14E-02	2.72E+00	2.78E+00	8.71E+00	3.90E+00	3.89E-01	1.58E+01	2.77E+00	9.97E-04	4.28E-02	1.14E-02	2.83E+00

607	491043.5	3860231.97	2.62E+00	8.22E-04	4.19E-02	1.10E-02	2.67E+00	2.73E+00	8.40E+00	3.82E+00	3.76E-01	1.53E+01	2.72E+00	9.62E-04	4.19E-02	1.10E-02	2.78E+00
608	491093.5	3860231.97	2.58E+00	7.94E-04	4.14E-02	1.08E-02	2.63E+00	2.69E+00	8.11E+00	3.77E+00	3.71E-01	1.49E+01	2.69E+00	9.29E-04	4.14E-02	1.08E-02	2.74E+00
609	490943.5	3860281.97	2.71E+00	9.17E-04	4.47E-02	1.16E-02	2.77E+00	2.83E+00	9.37E+00	4.08E+00	3.97E-01	1.67E+01	2.82E+00	1.07E-03	4.47E-02	1.16E-02	2.88E+00
610	490993.5	3860281.97	2.69E+00	8.89E-04	4.37E-02	1.14E-02	2.75E+00	2.81E+00	9.09E+00	3.98E+00	3.89E-01	1.63E+01	2.81E+00	1.04E-03	4.37E-02	1.14E-02	2.86E+00
611	491043.5	3860281.97	2.65E+00	8.62E-04	4.24E-02	1.10E-02	2.70E+00	2.76E+00	8.80E+00	3.87E+00	3.77E-01	1.58E+01	2.76E+00	1.01E-03	4.24E-02	1.10E-02	2.81E+00
612	491093.5	3860281.97	2.60E+00	8.33E-04	4.13E-02	1.06E-02	2.65E+00	2.71E+00	8.51E+00	3.76E+00	3.64E-01	1.54E+01	2.70E+00	9.75E-04	4.13E-02	1.06E-02	2.76E+00
613	490943.5	3860331.97	2.69E+00	9.50E-04	4.53E-02	1.15E-02	2.75E+00	2.81E+00	9.70E+00	4.13E+00	3.94E-01	1.70E+01	2.80E+00	1.11E-03	4.53E-02	1.15E-02	2.86E+00
614	490993.5	3860331.97	2.69E+00	9.24E-04	4.42E-02	1.12E-02	2.74E+00	2.81E+00	9.44E+00	4.04E+00	3.82E-01	1.67E+01	2.80E+00	1.08E-03	4.42E-02	1.12E-02	2.86E+00
615	491043.5	3860331.97	2.67E+00	8.96E-04	4.31E-02	1.09E-02	2.73E+00	2.79E+00	9.15E+00	3.93E+00	3.71E-01	1.62E+01	2.78E+00	1.05E-03	4.31E-02	1.09E-02	2.84E+00
616	491093.5	3860331.97	2.63E+00	8.69E-04	4.19E-02	1.05E-02	2.68E+00	2.74E+00	8.87E+00	3.82E+00	3.61E-01	1.58E+01	2.74E+00	1.02E-03	4.19E-02	1.05E-02	2.79E+00
617	490086.72	3859935.12	2.95E+00	1.21E-03	5.40E-02	1.70E-02	3.02E+00	3.08E+00	1.23E+01	4.92E+00	5.82E-01	2.09E+01	3.07E+00	1.41E-03	5.40E-02	1.70E-02	3.14E+00
618	490136.72	3859935.12	2.90E+00	1.17E-03	5.50E-02	1.66E-02	2.97E+00	3.02E+00	1.20E+01	5.01E+00	5.68E-01	2.06E+01	3.02E+00	1.37E-03	5.50E-02	1.66E-02	3.09E+00
619	490186.72	3859935.12	2.86E+00	1.14E-03	5.57E-02	1.62E-02	2.94E+00	2.99E+00	1.16E+01	5.08E+00	5.55E-01	2.03E+01	2.98E+00	1.33E-03	5.57E-02	1.62E-02	3.06E+00
620	490236.72	3859935.12	2.87E+00	1.10E-03	5.58E-02	1.58E-02	2.94E+00	2.99E+00	1.12E+01	5.09E+00	5.42E-01	1.99E+01	2.99E+00	1.29E-03	5.58E-02	1.58E-02	3.06E+00
621	490286.72	3859935.12	2.86E+00	1.06E-03	5.51E-02	1.55E-02	2.93E+00	2.99E+00	1.08E+01	5.02E+00	5.29E-01	1.94E+01	2.98E+00	1.24E-03	5.51E-02	1.55E-02	3.05E+00
622	490336.72	3859935.12	2.86E+00	1.02E-03	5.38E-02	1.51E-02	2.93E+00	2.99E+00	1.05E+01	4.91E+00	5.16E-01	1.89E+01	2.98E+00	1.20E-03	5.38E-02	1.51E-02	3.05E+00
623	490386.72	3859935.12	2.86E+00	9.86E-04	5.22E-02	1.48E-02	2.93E+00	2.98E+00	1.01E+01	4.76E+00	5.05E-01	1.83E+01	2.98E+00	1.15E-03	5.22E-02	1.48E-02	3.04E+00
624	490436.72	3859935.12	2.85E+00	9.47E-04	5.11E-02	1.44E-02	2.91E+00	2.97E+00	9.67E+00	4.66E+00	4.94E-01	1.78E+01	2.96E+00	1.11E-03	5.11E-02	1.44E-02	3.03E+00
625	490486.72	3859935.12	2.83E+00	9.11E-04	5.01E-02	1.41E-02	2.89E+00	2.95E+00	9.31E+00	4.57E+00	4.83E-01	1.73E+01	2.94E+00	1.07E-03	5.01E-02	1.41E-02	3.01E+00
626	490536.72	3859935.12	2.83E+00	8.81E-04	4.93E-02	1.38E-02	2.89E+00	2.95E+00	9.00E+00	4.50E+00	4.73E-01	1.69E+01	2.94E+00	1.03E-03	4.93E-02	1.38E-02	3.01E+00
627	490586.72	3859935.12	2.81E+00	8.52E-04	4.84E-02	1.35E-02	2.87E+00	2.93E+00	8.70E+00	4.41E+00	4.63E-01	1.65E+01	2.93E+00	9.96E-04	4.84E-02	1.35E-02	2.99E+00
628	490636.72	3859935.12	2.77E+00	8.25E-04	4.78E-02	1.33E-02	2.83E+00	2.89E+00	8.43E+00	4.36E+00	4.53E-01	1.61E+01	2.89E+00	9.66E-04	4.78E-02	1.33E-02	2.95E+00
629	490686.72	3859935.12	2.74E+00	8.14E-04	4.79E-02	1.30E-02	2.80E+00	2.85E+00	8.32E+00	4.37E+00	4.45E-01	1.60E+01	2.85E+00	9.53E-04	4.79E-02	1.30E-02	2.91E+00
630	490736.72	3859935.12	2.71E+00	7.95E-04	4.76E-02	1.27E-02	2.77E+00	2.82E+00	8.12E+00	4.34E+00	4.36E-01	1.57E+01	2.82E+00	9.30E-04	4.76E-02	1.27E-02	2.88E+00
631	490086.72	3859985.12	3.00E+00	1.23E-03	5.25E-02	1.87E-02	3.08E+00	3.13E+00	1.26E+01	4.79E+00	6.39E-01	2.12E+01	3.13E+00	1.44E-03	5.25E-02	1.87E-02	3.20E+00
632	490136.72	3859985.12	2.93E+00	1.20E-03	5.35E-02	1.81E-02	3.01E+00	3.06E+00	1.23E+01	4.88E+00	6.18E-01	2.09E+01	3.06E+00	1.41E-03	5.35E-02	1.81E-02	3.13E+00
633	490186.72	3859985.12	2.88E+00	1.17E-03	5.46E-02	1.75E-02	2.96E+00	3.01E+00	1.20E+01	4.98E+00	5.98E-01	2.06E+01	3.00E+00	1.37E-03	5.46E-02	1.75E-02	3.08E+00
634	490236.72	3859985.12	2.85E+00	1.14E-03	5.55E-02	1.69E-02	2.92E+00	2.97E+00	1.16E+01	5.06E+00	5.78E-01	2.03E+01	2.97E+00	1.33E-03	5.55E-02	1.69E-02	3.04E+00
635	490286.72	3859985.12	2.85E+00	1.11E-03	5.55E-02	1.63E-02	2.93E+00	2.98E+00	1.13E+01	5.06E+00	5.58E-01	1.99E+01	2.97E+00	1.29E-03	5.55E-02	1.63E-02	3.05E+00
636	490336.72	3859985.12	2.85E+00	1.07E-03	5.48E-02	1.59E-02	2.92E+00	2.97E+00	1.09E+01	5.00E+00	5.44E-01	1.95E+01	2.97E+00	1.25E-03	5.48E-02	1.59E-02	3.04E+00
637	490386.72	3859985.12	2.85E+00	1.03E-03	5.35E-02	1.56E-02	2.92E+00	2.97E+00	1.06E+01	4.88E+00	5.34E-01	1.90E+01	2.97E+00	1.21E-03	5.35E-02	1.56E-02	3.04E+00
638	490436.72	3859985.12	2.85E+00	9.98E-04	5.19E-02	1.53E-02	2.92E+00	2.97E+00	1.02E+01	4.73E+00	5.24E-01	1.84E+01	2.97E+00	1.17E-03	5.19E-02	1.53E-02	3.03E+00
639	490486.72	3859985.12	2.84E+00	9.62E-04	5.06E-02	1.50E-02	2.90E+00	2.96E+00	9.83E+00	4.61E+00	5.13E-01	1.79E+01	2.95E+00	1.13E-03	5.06E-02	1.50E-02	3.02E+00
640	490536.72	3859985.12	2.82E+00	9.24E-04	4.98E-02	1.47E-02	2.88E+00	2.94E+00	9.45E+00	4.54E+00	5.03E-01	1.74E+01	2.94E+00	1.08E-03	4.98E-02	1.47E-02	3.00E+00
641	490586.72	3859985.12	2.82E+00	8.90E-04	4.90E-02	1.44E-02	2.88E+00	2.94E+00	9.09E+00	4.47E+00	4.93E-01	1.70E+01	2.94E+00	1.04E-03	4.90E-02	1.44E-02	3.00E+00
642	490636.72	3859985.12	2.81E+00	8.61E-04	4.81E-02	1.41E-02	2.87E+00	2.93E+00	8.79E+00	4.38E+00	4.83E-01	1.66E+01	2.92E+00	1.01E-03	4.81E-02	1.41E-02	2.99E+00
643	490686.72	3859985.12	2.78E+00	8.48E-04	4.76E-02	1.39E-02	2.84E+00	2.90E+00	8.66E+00	4.34E+00	4.74E-01	1.64E+01	2.89E+00	9.92E-04	4.76E-02	1.39E-02	2.96E+00
644	490736.72	3859985.12	2.74E+00	8.21E-04	4.72E-02	1.36E-02	2.80E+00	2.85E+00	8.39E+00	4.30E+00	4.64E-01	1.60E+01	2.85E+00	9.60E-04	4.72E-02	1.36E-02	2.91E+00
645	490786.72	3859985.12	2.71E+00	7.98E-04	4.67E-02	1.33E-02	2.77E+00	2.83E+00	8.16E+00	4.26E+00	4.54E-01	1.57E+01	2.82E+00	9.34E-04	4.67E-02	1.33E-02	2.88E+00
646	490086.72	3860035.12	3.06E+00	1.25E-03	5.09E-02	1.81E-02	3.13E+00	3.19E+00	1.28E+01	4.64E+00	6.21E-01	2.13E+01	3.19E+00	1.47E-03	5.09E-02	1.81E-02	3.26E+00
647	490136.72	3860035.12	2.99E+00	1.23E-03	5.23E-02	1.79E-02	3.06E+00	3.12E+00	1.25E+01	4.77E+00	6.11E-01	2.10E+01	3.11E+00	1.44E-03	5.23E-02	1.79E-02	3.19E+00
648	490186.72	3860035.12	2.92E+00	1.20E-03	5.32E-02	1.75E-02	2.99E+00	3.05E+00	1.22E+01	4.85E+00	6.00E-01	2.07E+01	3.04E+00	1.40E-03	5.32E-02	1.75E-02	3.11E+00
649	490236.72	3860035.12	2.87E+00	1.17E-03	5.41E-02	1.72E-02	2.94E+00	2.99E+00	1.20E+01	4.94E+00	5.88E-01	2.05E+01	2.99E+00	1.37E-03	5.41E-02	1.72E-02	3.06E+00
650	490286.72	3860035.12	2.83E+00	1.14E-03	5.47E-02	1.68E-02	2.90E+00	2.95E+00	1.16E+01	4.99E+00	5.74E-01	2.02E+01	2.94E+00	1.33E-03	5.47E-02	1.68E-02	3.02E+00
651	490336.72	3860035.12	2.83E+00	1.11E-03	5.50E-02	1.64E-02	2.91E+00	2.96E+00	1.13E+01	5.01E+00	5.61E-01	1.99E+01	2.95E+00	1.30E-03	5.50E-02	1.64E-02	3.02E+00
652	490386.72	3860035.12	2.83E+00	1.08E-03	5.43E-02	1.60E-02	2.90E+00	2.96E+00	1.10E+01	4.95E+00	5.46E-01	1.95E+01	2.95E+00	1.26E-03	5.43E-02	1.60E-02	3.02E+00
653	490436.72	3860035.12	2.83E+00	1.04E-03	5.31E-02	1.55E-02	2.90E+00	2.96E+00	1.07E+01	4.84E+00	5.31E-01	1.90E+01	2.95E+00	1.22E-03	5.31E-02	1.55E-02	3.02E+00
654	490486.72	3860035.12	2.84E+00	1.01E-03	5.16E-02	1.51E-02	2.90E+00	2.96E+00	1.03E+01	4.71E+00	5.18E-01	1.85E+01	2.95E+00	1.18E-03	5.16E-02	1.51E-02	3.02E+00
655	490536.72	3860035.12	2.83E+00	9.74E-04	5.03E-02	1.49E-02	2.89E+00	2.95E+00	9.95E+00	4.59E+00	5.09E-01	1.80E+01	2.94E+00	1.14E-03	5.03E-02	1.49E-02	3.01E+00
656	490586.72	3860035.12	2.81E+00	9.39E-04	4.94E-02	1.47E-02	2.87E+00	2.93E+00	9.59E+00	4.51E+00	5.01E-01	1.75E+01	2.93E+00	1.10E-03	4.94E-02	1.47E-02	2.99E+00
657	490636.72	3860035.12	2.81E+00	9.04E-04	4.83E-02	1.44E-02	2.87E+00	2.93E+00	9.23E+00	4.41E+00	4.93E-01	1.71E+01	2.92E+00	1.06E-03	4.83E-02	1.44E-02	2.99E+00
658	490686.72	3860035.12	2.80E+00	8.71E-04	4.74E-02	1.42E-02	2.86E+00	2.92E+00	8.89E+00	4.32E+00	4.85E-01	1.66E+01	2.91E+00	1.02E-03	4.74E-02	1.42E-02	2.97E+00
659	490736.72	3860035.12	2.77E+00	8.43E-04	4.67E-02	1.39E-02	2.84E+00	2.89E+00	8.61E+00	4.26E+00	4.76E-01	1.62E+01	2.89E+00	9.86E-04	4.67E-02	1.39E-02	2.95E+00
660	490786.72	3860035.12	2.73E+00	8.17E-04	4.62E-02	1.37E-02	2.79E+00	2.84E+00	8.34E+00	4.21E+00	4.67E-01	1.59E+01	2.84E+00	9.55E-04	4.62E-02	1.37E-02	2.90E+00
661	490836.72	3860035.12	2.70E+00	7.93E-04	4.57E-02	1.34E-02	2.76E+00	2.81E+00	8.10E+00	4.16E+00	4.58E-01	1.55E+01	2.81E+00	9.28E-04	4.57E-02	1.34E-02	2.87E+00
662	490086.72	3860085.12	3.09E+00	1.28E-03	5.06E-02	1.79E-02	3.16E+00	3.22E+00	1.31E+01	4.61E+00	6.12E-01	2.16E+01	3.22E+00	1.50E-03	5.06E-02	1.79E-02	3.29E+00
663	490136.72	3860085.12	3.04E+00	1.24E-03	5.08E-02	1.74E-02	3.11E+00	3.17E+00	1.27E+01	4.63E+00	5.96E-01	2.11E+01	3.17E+00	1.45E-03	5.08E-02	1.74E-02	3.24E+00
664	490186.72	3860085.12	2.98E+00	1.22E-03	5.23E-02	1.71E-02	3.05E+00	3.11E+00	1.24E+01	4.77E+00	5.84E-01	2.09E+01	3.10E+00	1.43E-03	5.23E-02	1.71E-02	3.17E+00
665	490236.72	3860085.12	2.91E+00	1.19E-03	5.30E-02	1.67E-02	2.98E+00	3.03E+00	1.22E+01	4.83E+00	5.71E-01	2.06E+01	3.03E+00	1.40E-03	5.30E-02	1.67E-02	3.10E+00
666	490286.72	3860085.12	2.85E+00	1.17E-03	5.38E-02	1.63E-02	2.92E+00	2.98E+00	1.19E+01	4.91E+00	5.58E-01	2.03E+01	2.97E+00	1.36E-03	5.38E-02	1.63E-02	3.04E+00
667	490336.72	3860085.12	2.81E+00	1.14E-03	5.43E-02	1.59E-02	2.88E+00	2.93E+00	1.16E+01	4.96E+00	5.45E-01	2.01E+01	2.93E+00	1.33E-03	5.43E-02	1.59E-02	3.00E+00

668	490386.72	3860085.12	2.81E+00	1.11E-03	5.42E-02	1.56E-02	2.88E+00	2.93E+00	1.13E+01	4.95E+00	5.32E-01	1.98E+01	2.93E+00	1.30E-03	5.42E-02	1.56E-02	3.00E+00
669	490436.72	3860085.12	2.81E+00	1.08E-03	5.37E-02	1.52E-02	2.88E+00	2.94E+00	1.10E+01	4.90E+00	5.19E-01	1.94E+01	2.93E+00	1.27E-03	5.37E-02	1.52E-02	3.00E+00
670	490486.72	3860085.12	2.82E+00	1.05E-03	5.27E-02	1.48E-02	2.89E+00	2.94E+00	1.07E+01	4.80E+00	5.05E-01	1.90E+01	2.93E+00	1.23E-03	5.27E-02	1.48E-02	3.00E+00
671	490536.72	3860085.12	2.82E+00	1.02E-03	5.13E-02	1.45E-02	2.89E+00	2.94E+00	1.04E+01	4.68E+00	4.96E-01	1.85E+01	2.94E+00	1.19E-03	5.13E-02	1.45E-02	3.00E+00
672	490586.72	3860085.12	2.81E+00	9.83E-04	5.00E-02	1.43E-02	2.88E+00	2.93E+00	1.00E+01	4.56E+00	4.89E-01	1.80E+01	2.93E+00	1.15E-03	5.00E-02	1.43E-02	2.99E+00
673	490636.72	3860085.12	2.79E+00	9.51E-04	4.88E-02	1.40E-02	2.86E+00	2.92E+00	9.71E+00	4.45E+00	4.80E-01	1.76E+01	2.91E+00	1.11E-03	4.88E-02	1.40E-02	2.97E+00
674	490686.72	3860085.12	2.79E+00	9.18E-04	4.80E-02	1.39E-02	2.85E+00	2.91E+00	9.38E+00	4.38E+00	4.76E-01	1.71E+01	2.91E+00	1.07E-03	4.80E-02	1.39E-02	2.97E+00
675	490736.72	3860085.12	2.79E+00	8.84E-04	4.71E-02	1.37E-02	2.85E+00	2.91E+00	9.03E+00	4.29E+00	4.70E-01	1.67E+01	2.90E+00	1.03E-03	4.71E-02	1.37E-02	2.96E+00
676	490786.72	3860085.12	2.76E+00	8.52E-04	4.60E-02	1.36E-02	2.82E+00	2.88E+00	8.70E+00	4.20E+00	4.63E-01	1.62E+01	2.88E+00	9.97E-04	4.60E-02	1.36E-02	2.94E+00
677	490836.72	3860085.12	2.72E+00	8.27E-04	4.51E-02	1.33E-02	2.78E+00	2.83E+00	8.45E+00	4.11E+00	4.56E-01	1.59E+01	2.83E+00	9.67E-04	4.51E-02	1.33E-02	2.89E+00
678	490086.72	3860135.12	3.08E+00	1.27E-03	4.84E-02	1.81E-02	3.15E+00	3.22E+00	1.30E+01	4.42E+00	6.19E-01	2.12E+01	3.21E+00	1.49E-03	4.84E-02	1.81E-02	3.28E+00
679	490136.72	3860135.12	3.06E+00	1.25E-03	4.98E-02	1.77E-02	3.13E+00	3.19E+00	1.27E+01	4.55E+00	6.04E-01	2.11E+01	3.18E+00	1.46E-03	4.98E-02	1.77E-02	3.25E+00
680	490186.72	3860135.12	3.02E+00	1.22E-03	5.08E-02	1.72E-02	3.09E+00	3.15E+00	1.25E+01	4.63E+00	5.89E-01	2.09E+01	3.15E+00	1.43E-03	5.08E-02	1.72E-02	3.22E+00
681	490236.72	3860135.12	2.96E+00	1.21E-03	5.18E-02	1.68E-02	3.03E+00	3.09E+00	1.23E+01	4.72E+00	5.76E-01	2.07E+01	3.08E+00	1.41E-03	5.18E-02	1.68E-02	3.15E+00
682	490286.72	3860135.12	2.89E+00	1.18E-03	5.25E-02	1.64E-02	2.96E+00	3.01E+00	1.21E+01	4.79E+00	5.61E-01	2.05E+01	3.01E+00	1.39E-03	5.25E-02	1.64E-02	3.08E+00
683	490336.72	3860135.12	2.83E+00	1.16E-03	5.33E-02	1.60E-02	2.90E+00	2.96E+00	1.19E+01	4.87E+00	5.46E-01	2.02E+01	2.95E+00	1.36E-03	5.33E-02	1.60E-02	3.02E+00
684	490386.72	3860135.12	2.79E+00	1.13E-03	5.39E-02	1.55E-02	2.86E+00	2.91E+00	1.16E+01	4.91E+00	5.31E-01	1.99E+01	2.91E+00	1.33E-03	5.39E-02	1.55E-02	2.98E+00
685	490436.72	3860135.12	2.79E+00	1.11E-03	5.37E-02	1.52E-02	2.86E+00	2.91E+00	1.13E+01	4.90E+00	5.20E-01	1.97E+01	2.90E+00	1.30E-03	5.37E-02	1.52E-02	2.97E+00
686	490486.72	3860135.12	2.79E+00	1.08E-03	5.31E-02	1.48E-02	2.86E+00	2.91E+00	1.11E+01	4.85E+00	5.05E-01	1.93E+01	2.91E+00	1.27E-03	5.31E-02	1.48E-02	2.98E+00
687	490536.72	3860135.12	2.80E+00	1.05E-03	5.23E-02	1.44E-02	2.87E+00	2.92E+00	1.08E+01	4.77E+00	4.94E-01	1.90E+01	2.91E+00	1.23E-03	5.23E-02	1.44E-02	2.98E+00
688	490586.72	3860135.12	2.80E+00	1.02E-03	5.10E-02	1.40E-02	2.87E+00	2.93E+00	1.05E+01	4.65E+00	4.80E-01	1.85E+01	2.92E+00	1.20E-03	5.10E-02	1.40E-02	2.99E+00
689	490636.72	3860135.12	2.80E+00	9.93E-04	4.96E-02	1.37E-02	2.86E+00	2.92E+00	1.01E+01	4.53E+00	4.67E-01	1.81E+01	2.91E+00	1.16E-03	4.96E-02	1.37E-02	2.98E+00
690	490686.72	3860135.12	2.78E+00	9.60E-04	4.83E-02	1.33E-02	2.84E+00	2.90E+00	9.81E+00	4.41E+00	4.54E-01	1.76E+01	2.89E+00	1.12E-03	4.83E-02	1.33E-02	2.96E+00
691	490736.72	3860135.12	2.77E+00	9.29E-04	4.74E-02	1.31E-02	2.83E+00	2.89E+00	9.49E+00	4.33E+00	4.46E-01	1.72E+01	2.89E+00	1.09E-03	4.74E-02	1.31E-02	2.95E+00
692	490786.72	3860135.12	2.77E+00	8.97E-04	4.65E-02	1.30E-02	2.83E+00	2.89E+00	9.17E+00	4.24E+00	4.44E-01	1.67E+01	2.88E+00	1.05E-03	4.65E-02	1.30E-02	2.95E+00
693	490836.72	3860135.12	2.75E+00	8.65E-04	4.53E-02	1.28E-02	2.81E+00	2.87E+00	8.84E+00	4.13E+00	4.39E-01	1.63E+01	2.86E+00	1.01E-03	4.53E-02	1.28E-02	2.92E+00
694	490086.72	3860185.12	3.07E+00	1.27E-03	4.66E-02	1.92E-02	3.14E+00	3.21E+00	1.30E+01	4.25E+00	6.58E-01	2.11E+01	3.20E+00	1.48E-03	4.66E-02	1.92E-02	3.27E+00
695	490136.72	3860185.12	3.06E+00	1.25E-03	4.85E-02	1.84E-02	3.13E+00	3.20E+00	1.28E+01	4.43E+00	6.30E-01	2.10E+01	3.19E+00	1.46E-03	4.85E-02	1.84E-02	3.26E+00
696	490186.72	3860185.12	3.04E+00	1.23E-03	4.99E-02	1.77E-02	3.11E+00	3.17E+00	1.26E+01	4.55E+00	6.04E-01	2.09E+01	3.16E+00	1.44E-03	4.99E-02	1.77E-02	3.23E+00
697	490236.72	3860185.12	3.00E+00	1.21E-03	5.06E-02	1.70E-02	3.07E+00	3.13E+00	1.24E+01	4.61E+00	5.81E-01	2.07E+01	3.13E+00	1.41E-03	5.06E-02	1.70E-02	3.19E+00
698	490286.72	3860185.12	2.94E+00	1.19E-03	5.14E-02	1.66E-02	3.01E+00	3.07E+00	1.22E+01	4.68E+00	5.69E-01	2.05E+01	3.06E+00	1.39E-03	5.14E-02	1.66E-02	3.13E+00
699	490336.72	3860185.12	2.87E+00	1.17E-03	5.20E-02	1.62E-02	2.93E+00	2.99E+00	1.20E+01	4.74E+00	5.56E-01	2.03E+01	2.98E+00	1.37E-03	5.20E-02	1.62E-02	3.05E+00
700	490386.72	3860185.12	2.81E+00	1.15E-03	5.28E-02	1.59E-02	2.88E+00	2.93E+00	1.18E+01	4.81E+00	5.42E-01	2.01E+01	2.93E+00	1.35E-03	5.28E-02	1.59E-02	3.00E+00
701	490436.72	3860185.12	2.77E+00	1.13E-03	5.34E-02	1.55E-02	2.84E+00	2.89E+00	1.15E+01	4.87E+00	5.30E-01	1.98E+01	2.88E+00	1.32E-03	5.34E-02	1.55E-02	2.95E+00
702	490486.72	3860185.12	2.76E+00	1.10E-03	5.33E-02	1.50E-02	2.83E+00	2.88E+00	1.13E+01	4.86E+00	5.13E-01	1.95E+01	2.87E+00	1.29E-03	5.33E-02	1.50E-02	2.94E+00
703	490536.72	3860185.12	2.77E+00	1.08E-03	5.28E-02	1.46E-02	2.84E+00	2.89E+00	1.10E+01	4.81E+00	4.99E-01	1.92E+01	2.89E+00	1.26E-03	5.28E-02	1.46E-02	2.96E+00
704	490586.72	3860185.12	2.78E+00	1.05E-03	5.20E-02	1.42E-02	2.85E+00	2.90E+00	1.08E+01	4.74E+00	4.87E-01	1.89E+01	2.89E+00	1.23E-03	5.20E-02	1.42E-02	2.96E+00
705	490636.72	3860185.12	2.78E+00	1.03E-03	5.06E-02	1.38E-02	2.85E+00	2.91E+00	1.05E+01	4.62E+00	4.71E-01	1.85E+01	2.90E+00	1.20E-03	5.06E-02	1.38E-02	2.97E+00
706	490686.72	3860185.12	2.78E+00	9.99E-04	4.93E-02	1.34E-02	2.85E+00	2.90E+00	1.02E+01	4.50E+00	4.59E-01	1.81E+01	2.90E+00	1.17E-03	4.93E-02	1.34E-02	2.96E+00
707	490736.72	3860185.12	2.76E+00	9.69E-04	4.79E-02	1.30E-02	2.82E+00	2.88E+00	9.90E+00	4.37E+00	4.44E-01	1.76E+01	2.87E+00	1.13E-03	4.79E-02	1.30E-02	2.94E+00
708	490786.72	3860185.12	2.75E+00	9.38E-04	4.69E-02	1.26E-02	2.81E+00	2.87E+00	9.58E+00	4.28E+00	4.32E-01	1.72E+01	2.87E+00	1.10E-03	4.69E-02	1.26E-02	2.93E+00
709	490836.72	3860185.12	2.75E+00	9.08E-04	4.59E-02	1.23E-02	2.81E+00	2.87E+00	9.27E+00	4.19E+00	4.21E-01	1.68E+01	2.86E+00	1.06E-03	4.59E-02	1.23E-02	2.92E+00
710	490086.72	3860235.12	3.08E+00	1.26E-03	4.55E-02	1.99E-02	3.15E+00	3.21E+00	1.29E+01	4.15E+00	6.82E-01	2.09E+01	3.21E+00	1.47E-03	4.55E-02	1.99E-02	3.27E+00
711	490136.72	3860235.12	3.05E+00	1.24E-03	4.68E-02	1.93E-02	3.12E+00	3.19E+00	1.27E+01	4.27E+00	6.61E-01	2.08E+01	3.18E+00	1.46E-03	4.68E-02	1.93E-02	3.25E+00
712	490186.72	3860235.12	3.04E+00	1.23E-03	4.86E-02	1.87E-02	3.11E+00	3.17E+00	1.26E+01	4.43E+00	6.38E-01	2.08E+01	3.17E+00	1.44E-03	4.86E-02	1.87E-02	3.24E+00
713	490236.72	3860235.12	3.01E+00	1.21E-03	4.97E-02	1.79E-02	3.08E+00	3.14E+00	1.24E+01	4.54E+00	6.13E-01	2.07E+01	3.14E+00	1.42E-03	4.97E-02	1.79E-02	3.21E+00
714	490286.72	3860235.12	2.98E+00	1.20E-03	5.04E-02	1.72E-02	3.05E+00	3.11E+00	1.22E+01	4.60E+00	5.89E-01	2.05E+01	3.10E+00	1.40E-03	5.04E-02	1.72E-02	3.17E+00
715	490336.72	3860235.12	2.92E+00	1.17E-03	5.09E-02	1.65E-02	2.99E+00	3.05E+00	1.20E+01	4.65E+00	5.64E-01	2.03E+01	3.04E+00	1.37E-03	5.09E-02	1.65E-02	3.11E+00
716	490386.72	3860235.12	2.85E+00	1.16E-03	5.16E-02	1.59E-02	2.91E+00	2.97E+00	1.18E+01	4.71E+00	5.44E-01	2.01E+01	2.96E+00	1.36E-03	5.16E-02	1.59E-02	3.03E+00
717	490436.72	3860235.12	2.79E+00	1.14E-03	5.23E-02	1.55E-02	2.86E+00	2.91E+00	1.17E+01	4.77E+00	5.28E-01	1.99E+01	2.91E+00	1.34E-03	5.23E-02	1.55E-02	2.98E+00
718	490486.72	3860235.12	2.75E+00	1.12E-03	5.29E-02	1.50E-02	2.82E+00	2.87E+00	1.15E+01	4.83E+00	5.13E-01	1.97E+01	2.86E+00	1.31E-03	5.29E-02	1.50E-02	2.93E+00
719	490536.72	3860235.12	2.74E+00	1.10E-03	5.30E-02	1.46E-02	2.81E+00	2.86E+00	1.12E+01	4.83E+00	5.00E-01	1.94E+01	2.85E+00	1.29E-03	5.30E-02	1.46E-02	2.92E+00
720	490586.72	3860235.12	2.75E+00	1.08E-03	5.25E-02	1.43E-02	2.82E+00	2.87E+00	1.10E+01	4.79E+00	4.88E-01	1.91E+01	2.87E+00	1.26E-03	5.25E-02	1.43E-02	2.93E+00
721	490636.72	3860235.12	2.76E+00	1.05E-03	5.15E-02	1.39E-02	2.82E+00	2.88E+00	1.07E+01	4.70E+00	4.75E-01	1.88E+01	2.87E+00	1.23E-03	5.15E-02	1.39E-02	2.94E+00
722	490686.72	3860235.12	2.76E+00	1.03E-03	5.03E-02	1.35E-02	2.83E+00	2.88E+00	1.05E+01	4.59E+00	4.63E-01	1.84E+01	2.88E+00	1.20E-03	5.03E-02	1.35E-02	2.94E+00
723	490736.72	3860235.12	2.76E+00	1.00E-03	4.89E-02	1.31E-02	2.82E+00	2.88E+00	1.02E+01	4.46E+00	4.49E-01	1.80E+01	2.88E+00	1.17E-03	4.89E-02	1.31E-02	2.94E+00
724	490786.72	3860235.12	2.74E+00	9.75E-04	4.76E-02	1.28E-02	2.80E+00	2.86E+00	9.96E+00	4.34E+00	4.36E-01	1.76E+01	2.85E+00	1.14E-03	4.76E-02	1.28E-02	2.92E+00
725	490086.72	3860285.12	3.06E+00	1.25E-03	4.51E-02	1.94E-02	3.13E+00	3.20E+00	1.27E+01	4.11E+00	6.65E-01	2.07E+01	3.19E+00	1.46E-03	4.51E-02	1.94E-02	3.26E+00
726	490136.72	3860285.12	3.06E+00	1.23E-03	4.54E-02	1.92E-02	3.12E+00	3.19E+00	1.26E+01	4.14E+00	6.56E-01	2.06E+01	3.19E+00	1.44E-03	4.54E-02	1.92E-02	3.25E+00
727	490186.72	3860285.12	3.03E+00	1.22E-03	4.69E-02	1.88E-02	3.10E+00	3.16E+00	1.25E+01	4.27E+00	6.42E-01	2.06E+01	3.16E+00	1.43E-03	4.69E-02	1.88E-02	3.22E+00
728	490236.72	3860285.12	3.02E+00	1.21E-03	4.85E-02	1.83E-02	3.09E+00	3.15E+00	1.24E+01	4.42E+00	6.26E-01	2.06E+01	3.14E+00	1.41E-03	4.85E-02	1.83E-02	3.21E+00

729	490286.72	3860285.12	2.99E+00	1.20E-03	4.95E-02	1.78E-02	3.06E+00	3.12E+00	1.22E+01	4.52E+00	6.08E-01	2.05E+01	3.11E+00	1.40E-03	4.95E-02	1.78E-02	3.18E+00
730	490336.72	3860285.12	2.96E+00	1.18E-03	5.02E-02	1.72E-02	3.03E+00	3.09E+00	1.21E+01	4.57E+00	5.88E-01	2.03E+01	3.08E+00	1.38E-03	5.02E-02	1.72E-02	3.15E+00
731	490386.72	3860285.12	2.90E+00	1.16E-03	5.05E-02	1.66E-02	2.97E+00	3.03E+00	1.19E+01	4.61E+00	5.66E-01	2.01E+01	3.02E+00	1.36E-03	5.05E-02	1.66E-02	3.09E+00
732	490436.72	3860285.12	2.83E+00	1.14E-03	5.12E-02	1.58E-02	2.89E+00	2.95E+00	1.17E+01	4.67E+00	5.40E-01	1.98E+01	2.94E+00	1.34E-03	5.12E-02	1.58E-02	3.01E+00
733	490486.72	3860285.12	2.77E+00	1.13E-03	5.19E-02	1.51E-02	2.84E+00	2.89E+00	1.15E+01	4.73E+00	5.16E-01	1.97E+01	2.88E+00	1.32E-03	5.19E-02	1.51E-02	2.95E+00
734	490536.72	3860285.12	2.73E+00	1.11E-03	5.25E-02	1.45E-02	2.80E+00	2.85E+00	1.14E+01	4.79E+00	4.95E-01	1.95E+01	2.85E+00	1.30E-03	5.25E-02	1.45E-02	2.91E+00
735	490586.72	3860285.12	2.71E+00	1.09E-03	5.26E-02	1.40E-02	2.78E+00	2.83E+00	1.12E+01	4.79E+00	4.80E-01	1.93E+01	2.83E+00	1.28E-03	5.26E-02	1.40E-02	2.89E+00
736	490636.72	3860285.12	2.73E+00	1.07E-03	5.21E-02	1.37E-02	2.79E+00	2.85E+00	1.09E+01	4.75E+00	4.68E-01	1.90E+01	2.84E+00	1.25E-03	5.21E-02	1.37E-02	2.91E+00
737	490686.72	3860285.12	2.73E+00	1.05E-03	5.12E-02	1.34E-02	2.80E+00	2.85E+00	1.07E+01	4.67E+00	4.58E-01	1.87E+01	2.85E+00	1.23E-03	5.12E-02	1.34E-02	2.91E+00
738	490736.72	3860285.12	2.74E+00	1.03E-03	4.99E-02	1.30E-02	2.81E+00	2.86E+00	1.05E+01	4.55E+00	4.46E-01	1.83E+01	2.86E+00	1.20E-03	4.99E-02	1.30E-02	2.92E+00
739	490786.72	3860285.12	2.74E+00	1.00E-03	4.86E-02	1.27E-02	2.80E+00	2.86E+00	1.02E+01	4.43E+00	4.35E-01	1.80E+01	2.85E+00	1.17E-03	4.86E-02	1.27E-02	2.92E+00
740	490086.72	3860335.12	3.04E+00	1.23E-03	4.46E-02	1.71E-02	3.10E+00	3.17E+00	1.25E+01	4.06E+00	5.86E-01	2.04E+01	3.16E+00	1.44E-03	4.46E-02	1.71E-02	3.23E+00
741	490136.72	3860335.12	3.04E+00	1.22E-03	4.51E-02	1.75E-02	3.11E+00	3.17E+00	1.24E+01	4.11E+00	5.99E-01	2.03E+01	3.17E+00	1.42E-03	4.51E-02	1.75E-02	3.23E+00
742	490186.72	3860335.12	3.04E+00	1.21E-03	4.52E-02	1.77E-02	3.10E+00	3.17E+00	1.24E+01	4.12E+00	6.04E-01	2.03E+01	3.16E+00	1.42E-03	4.52E-02	1.77E-02	3.23E+00
743	490236.72	3860335.12	3.01E+00	1.20E-03	4.69E-02	1.76E-02	3.08E+00	3.14E+00	1.23E+01	4.28E+00	6.03E-01	2.03E+01	3.13E+00	1.40E-03	4.69E-02	1.76E-02	3.20E+00
744	490286.72	3860335.12	2.99E+00	1.19E-03	4.83E-02	1.75E-02	3.06E+00	3.12E+00	1.21E+01	4.41E+00	5.97E-01	2.03E+01	3.12E+00	1.39E-03	4.83E-02	1.75E-02	3.19E+00
745	490336.72	3860335.12	2.96E+00	1.18E-03	4.93E-02	1.71E-02	3.03E+00	3.09E+00	1.20E+01	4.50E+00	5.84E-01	2.02E+01	3.09E+00	1.37E-03	4.93E-02	1.71E-02	3.15E+00
746	490386.72	3860335.12	2.94E+00	1.16E-03	5.00E-02	1.66E-02	3.00E+00	3.06E+00	1.19E+01	4.56E+00	5.67E-01	2.01E+01	3.06E+00	1.36E-03	5.00E-02	1.66E-02	3.13E+00
747	490436.72	3860335.12	2.88E+00	1.15E-03	5.01E-02	1.60E-02	2.95E+00	3.01E+00	1.17E+01	4.57E+00	5.48E-01	1.98E+01	3.00E+00	1.34E-03	5.01E-02	1.60E-02	3.07E+00
748	490486.72	3860335.12	2.81E+00	1.13E-03	5.08E-02	1.54E-02	2.88E+00	2.93E+00	1.15E+01	4.63E+00	5.27E-01	1.96E+01	2.92E+00	1.32E-03	5.08E-02	1.54E-02	2.99E+00
749	490536.72	3860335.12	2.75E+00	1.11E-03	5.14E-02	1.48E-02	2.82E+00	2.87E+00	1.14E+01	4.69E+00	5.07E-01	1.94E+01	2.87E+00	1.30E-03	5.14E-02	1.48E-02	2.93E+00
750	490586.72	3860335.12	2.71E+00	1.10E-03	5.20E-02	1.42E-02	2.78E+00	2.83E+00	1.12E+01	4.75E+00	4.85E-01	1.93E+01	2.83E+00	1.29E-03	5.20E-02	1.42E-02	2.89E+00
751	490636.72	3860335.12	2.69E+00	1.08E-03	5.22E-02	1.37E-02	2.76E+00	2.81E+00	1.11E+01	4.76E+00	4.67E-01	1.91E+01	2.80E+00	1.27E-03	5.22E-02	1.37E-02	2.87E+00
752	490686.72	3860335.12	2.70E+00	1.06E-03	5.18E-02	1.32E-02	2.77E+00	2.82E+00	1.09E+01	4.72E+00	4.51E-01	1.89E+01	2.82E+00	1.24E-03	5.18E-02	1.32E-02	2.88E+00
753	490736.72	3860335.12	2.71E+00	1.04E-03	5.09E-02	1.28E-02	2.77E+00	2.83E+00	1.07E+01	4.64E+00	4.39E-01	1.86E+01	2.82E+00	1.22E-03	5.09E-02	1.28E-02	2.89E+00
754	490786.72	3860335.12	2.72E+00	1.02E-03	4.97E-02	1.26E-02	2.78E+00	2.84E+00	1.04E+01	4.53E+00	4.30E-01	1.82E+01	2.83E+00	1.20E-03	4.97E-02	1.26E-02	2.90E+00
755	490086.72	3860385.12	3.02E+00	1.21E-03	4.38E-02	1.50E-02	3.08E+00	3.15E+00	1.24E+01	4.00E+00	5.12E-01	2.01E+01	3.14E+00	1.42E-03	4.38E-02	1.50E-02	3.20E+00
756	490136.72	3860385.12	3.02E+00	1.20E-03	4.46E-02	1.54E-02	3.08E+00	3.15E+00	1.23E+01	4.07E+00	5.26E-01	2.00E+01	3.14E+00	1.41E-03	4.46E-02	1.54E-02	3.20E+00
757	490186.72	3860385.12	3.02E+00	1.19E-03	4.49E-02	1.56E-02	3.08E+00	3.15E+00	1.22E+01	4.10E+00	5.35E-01	2.00E+01	3.14E+00	1.39E-03	4.49E-02	1.56E-02	3.20E+00
758	490236.72	3860385.12	3.01E+00	1.18E-03	4.50E-02	1.58E-02	3.07E+00	3.14E+00	1.21E+01	4.11E+00	5.40E-01	1.99E+01	3.14E+00	1.39E-03	4.50E-02	1.58E-02	3.20E+00
759	490286.72	3860385.12	2.98E+00	1.18E-03	4.68E-02	1.58E-02	3.05E+00	3.11E+00	1.20E+01	4.26E+00	5.41E-01	1.99E+01	3.11E+00	1.38E-03	4.68E-02	1.58E-02	3.17E+00
760	490336.72	3860385.12	2.97E+00	1.17E-03	4.81E-02	1.58E-02	3.04E+00	3.10E+00	1.19E+01	4.39E+00	5.42E-01	2.00E+01	3.09E+00	1.37E-03	4.81E-02	1.58E-02	3.16E+00
761	490386.72	3860385.12	2.94E+00	1.16E-03	4.91E-02	1.57E-02	3.01E+00	3.07E+00	1.18E+01	4.48E+00	5.37E-01	1.99E+01	3.06E+00	1.35E-03	4.91E-02	1.57E-02	3.13E+00
762	490436.72	3860385.12	2.91E+00	1.14E-03	4.97E-02	1.55E-02	2.98E+00	3.04E+00	1.17E+01	4.53E+00	5.29E-01	1.98E+01	3.03E+00	1.34E-03	4.97E-02	1.55E-02	3.10E+00
763	490486.72	3860385.12	2.86E+00	1.13E-03	4.99E-02	1.52E-02	2.93E+00	2.99E+00	1.16E+01	4.55E+00	5.19E-01	1.96E+01	2.98E+00	1.32E-03	4.99E-02	1.52E-02	3.05E+00
764	490536.72	3860385.12	2.79E+00	1.12E-03	5.04E-02	1.48E-02	2.86E+00	2.91E+00	1.14E+01	4.59E+00	5.05E-01	1.94E+01	2.91E+00	1.31E-03	5.04E-02	1.48E-02	2.97E+00
765	490586.72	3860385.12	2.73E+00	1.10E-03	5.10E-02	1.43E-02	2.80E+00	2.85E+00	1.12E+01	4.65E+00	4.89E-01	1.92E+01	2.85E+00	1.28E-03	5.10E-02	1.43E-02	2.91E+00
766	490636.72	3860385.12	2.70E+00	1.08E-03	5.16E-02	1.37E-02	2.76E+00	2.81E+00	1.11E+01	4.71E+00	4.70E-01	1.91E+01	2.81E+00	1.27E-03	5.16E-02	1.37E-02	2.87E+00
767	490686.72	3860385.12	2.67E+00	1.07E-03	5.18E-02	1.33E-02	2.73E+00	2.78E+00	1.09E+01	4.73E+00	4.57E-01	1.89E+01	2.78E+00	1.25E-03	5.18E-02	1.33E-02	2.84E+00
768	490736.72	3860385.12	2.68E+00	1.06E-03	5.14E-02	1.29E-02	2.74E+00	2.80E+00	1.08E+01	4.69E+00	4.41E-01	1.87E+01	2.79E+00	1.23E-03	5.14E-02	1.29E-02	2.86E+00
769	490786.72	3860385.12	2.69E+00	1.04E-03	5.06E-02	1.25E-02	2.75E+00	2.80E+00	1.06E+01	4.62E+00	4.26E-01	1.84E+01	2.80E+00	1.21E-03	5.06E-02	1.25E-02	2.86E+00
770	490136.72	3860435.12	2.99E+00	1.19E-03	4.38E-02	1.35E-02	3.05E+00	3.12E+00	1.22E+01	4.00E+00	4.61E-01	1.97E+01	3.11E+00	1.39E-03	4.38E-02	1.35E-02	3.17E+00
771	490186.72	3860435.12	2.99E+00	1.18E-03	4.45E-02	1.38E-02	3.05E+00	3.12E+00	1.21E+01	4.06E+00	4.71E-01	1.97E+01	3.11E+00	1.38E-03	4.45E-02	1.38E-02	3.17E+00
772	490236.72	3860435.12	2.99E+00	1.17E-03	4.48E-02	1.40E-02	3.05E+00	3.12E+00	1.19E+01	4.08E+00	4.79E-01	1.96E+01	3.12E+00	1.37E-03	4.48E-02	1.40E-02	3.18E+00
773	490286.72	3860435.12	2.99E+00	1.16E-03	4.50E-02	1.42E-02	3.05E+00	3.12E+00	1.18E+01	4.10E+00	4.86E-01	1.95E+01	3.11E+00	1.36E-03	4.50E-02	1.42E-02	3.17E+00
774	490336.72	3860435.12	2.96E+00	1.15E-03	4.66E-02	1.43E-02	3.02E+00	3.09E+00	1.18E+01	4.25E+00	4.89E-01	1.96E+01	3.08E+00	1.35E-03	4.66E-02	1.43E-02	3.14E+00
775	490386.72	3860435.12	2.95E+00	1.15E-03	4.79E-02	1.43E-02	3.01E+00	3.07E+00	1.17E+01	4.37E+00	4.90E-01	1.96E+01	3.07E+00	1.34E-03	4.79E-02	1.43E-02	3.13E+00
776	490436.72	3860435.12	2.92E+00	1.14E-03	4.88E-02	1.43E-02	2.98E+00	3.04E+00	1.16E+01	4.45E+00	4.88E-01	1.96E+01	3.04E+00	1.33E-03	4.88E-02	1.43E-02	3.10E+00
777	490486.72	3860435.12	2.89E+00	1.13E-03	4.94E-02	1.41E-02	2.96E+00	3.02E+00	1.15E+01	4.51E+00	4.82E-01	1.95E+01	3.01E+00	1.32E-03	4.94E-02	1.41E-02	3.08E+00
778	490536.72	3860435.12	2.84E+00	1.11E-03	4.96E-02	1.39E-02	2.91E+00	2.97E+00	1.14E+01	4.52E+00	4.75E-01	1.93E+01	2.96E+00	1.30E-03	4.96E-02	1.39E-02	3.03E+00
779	490586.72	3860435.12	2.77E+00	1.10E-03	4.99E-02	1.37E-02	2.84E+00	2.89E+00	1.12E+01	4.55E+00	4.68E-01	1.92E+01	2.89E+00	1.29E-03	4.99E-02	1.37E-02	2.95E+00
780	490636.72	3860435.12	2.71E+00	1.08E-03	5.04E-02	1.34E-02	2.78E+00	2.83E+00	1.11E+01	4.60E+00	4.57E-01	1.90E+01	2.83E+00	1.27E-03	5.04E-02	1.34E-02	2.89E+00
781	490686.72	3860435.12	2.67E+00	1.07E-03	5.12E-02	1.31E-02	2.74E+00	2.79E+00	1.09E+01	4.66E+00	4.49E-01	1.88E+01	2.79E+00	1.25E-03	5.12E-02	1.31E-02	2.85E+00
782	490736.72	3860435.12	2.64E+00	1.06E-03	5.14E-02	1.29E-02	2.71E+00	2.76E+00	1.08E+01	4.69E+00	4.40E-01	1.87E+01	2.75E+00	1.24E-03	5.14E-02	1.29E-02	2.82E+00
783	490786.72	3860435.12	2.65E+00	1.04E-03	5.11E-02	1.25E-02	2.72E+00	2.77E+00	1.07E+01	4.66E+00	4.27E-01	1.85E+01	2.76E+00	1.22E-03	5.11E-02	1.25E-02	2.83E+00
784	490136.72	3860485.12	2.97E+00	1.17E-03	4.32E-02	1.28E-02	3.03E+00	3.10E+00	1.19E+01	3.94E+00	4.36E-01	1.94E+01	3.09E+00	1.37E-03	4.32E-02	1.28E-02	3.15E+00
785	490186.72	3860485.12	2.97E+00	1.17E-03	4.38E-02	1.28E-02	3.03E+00	3.10E+00	1.19E+01	4.00E+00	4.39E-01	1.94E+01	3.09E+00	1.36E-03	4.38E-02	1.28E-02	3.15E+00
786	490236.72	3860485.12	2.97E+00	1.16E-03	4.43E-02	1.29E-02	3.02E+00	3.09E+00	1.18E+01	4.04E+00	4.40E-01	1.94E+01	3.09E+00	1.36E-03	4.43E-02	1.29E-02	3.15E+00
787	490286.72	3860485.12	2.97E+00	1.15E-03	4.45E-02	1.29E-02	3.03E+00	3.10E+00	1.17E+01	4.06E+00	4.42E-01	1.94E+01	3.09E+00	1.35E-03	4.45E-02	1.29E-02	3.15E+00
788	490336.72	3860485.12	2.96E+00	1.14E-03	4.48E-02	1.30E-02	3.02E+00	3.09E+00	1.16E+01	4.09E+00	4.43E-01	1.92E+01	3.08E+00	1.33E-03	4.48E-02	1.30E-02	3.14E+00
789	490386.72	3860485.12	2.94E+00	1.13E-03	4.64E-02	1.31E-02	3.00E+00	3.06E+00	1.15E+01	4.23E+00	4.48E-01	1.93E+01	3.06E+00	1.32E-03	4.64E-02	1.31E-02	3.12E+00

790	490436.72	3860485.12	2.92E+00	1.12E-03	4.78E-02	1.32E-02	2.99E+00	3.05E+00	1.15E+01	4.36E+00	4.52E-01	1.93E+01	3.04E+00	1.32E-03	4.78E-02	1.32E-02	3.11E+00
791	490486.72	3860485.12	2.89E+00	1.12E-03	4.87E-02	1.32E-02	2.96E+00	3.02E+00	1.14E+01	4.44E+00	4.51E-01	1.93E+01	3.01E+00	1.30E-03	4.87E-02	1.32E-02	3.07E+00
792	490536.72	3860485.12	2.87E+00	1.11E-03	4.91E-02	1.31E-02	2.93E+00	2.99E+00	1.13E+01	4.48E+00	4.48E-01	1.92E+01	2.99E+00	1.30E-03	4.91E-02	1.31E-02	3.05E+00
793	490586.72	3860485.12	2.82E+00	1.10E-03	4.92E-02	1.30E-02	2.89E+00	2.94E+00	1.12E+01	4.49E+00	4.43E-01	1.91E+01	2.94E+00	1.28E-03	4.92E-02	1.30E-02	3.00E+00
794	490636.72	3860485.12	2.75E+00	1.08E-03	4.95E-02	1.28E-02	2.82E+00	2.87E+00	1.11E+01	4.51E+00	4.39E-01	1.89E+01	2.87E+00	1.27E-03	4.95E-02	1.28E-02	2.93E+00
795	490686.72	3860485.12	2.69E+00	1.07E-03	4.99E-02	1.26E-02	2.76E+00	2.81E+00	1.09E+01	4.55E+00	4.31E-01	1.87E+01	2.80E+00	1.25E-03	4.99E-02	1.26E-02	2.87E+00
796	490736.72	3860485.12	2.65E+00	1.06E-03	5.07E-02	1.24E-02	2.72E+00	2.77E+00	1.08E+01	4.62E+00	4.24E-01	1.86E+01	2.76E+00	1.24E-03	5.07E-02	1.24E-02	2.83E+00
797	490786.72	3860485.12	2.62E+00	1.04E-03	5.09E-02	1.22E-02	2.68E+00	2.73E+00	1.06E+01	4.64E+00	4.16E-01	1.84E+01	2.73E+00	1.22E-03	5.09E-02	1.22E-02	2.79E+00
798	490136.72	3860535.12	2.95E+00	1.14E-03	4.29E-02	1.25E-02	3.01E+00	3.08E+00	1.17E+01	3.91E+00	4.29E-01	1.91E+01	3.07E+00	1.34E-03	4.29E-02	1.25E-02	3.13E+00
799	490186.72	3860535.12	2.95E+00	1.14E-03	4.33E-02	1.24E-02	3.01E+00	3.08E+00	1.17E+01	3.95E+00	4.25E-01	1.91E+01	3.07E+00	1.34E-03	4.33E-02	1.24E-02	3.13E+00
800	490236.72	3860535.12	2.94E+00	1.14E-03	4.37E-02	1.23E-02	3.00E+00	3.07E+00	1.17E+01	3.98E+00	4.22E-01	1.91E+01	3.06E+00	1.34E-03	4.37E-02	1.23E-02	3.12E+00
801	490286.72	3860535.12	2.94E+00	1.14E-03	4.40E-02	1.24E-02	3.00E+00	3.07E+00	1.16E+01	4.02E+00	4.23E-01	1.91E+01	3.06E+00	1.33E-03	4.40E-02	1.24E-02	3.12E+00
802	490336.72	3860535.12	2.94E+00	1.13E-03	4.42E-02	1.24E-02	3.00E+00	3.07E+00	1.15E+01	4.03E+00	4.24E-01	1.91E+01	3.07E+00	1.32E-03	4.42E-02	1.24E-02	3.12E+00
803	490386.72	3860535.12	2.94E+00	1.12E-03	4.48E-02	1.24E-02	3.00E+00	3.07E+00	1.14E+01	4.09E+00	4.25E-01	1.90E+01	3.06E+00	1.31E-03	4.48E-02	1.24E-02	3.12E+00
804	490436.72	3860535.12	2.91E+00	1.11E-03	4.64E-02	1.24E-02	2.97E+00	3.04E+00	1.13E+01	4.23E+00	4.25E-01	1.90E+01	3.03E+00	1.30E-03	4.64E-02	1.24E-02	3.10E+00
805	490486.72	3860535.12	2.90E+00	1.10E-03	4.76E-02	1.24E-02	2.96E+00	3.03E+00	1.13E+01	4.35E+00	4.24E-01	1.91E+01	3.02E+00	1.29E-03	4.76E-02	1.24E-02	3.08E+00
806	490536.72	3860535.12	2.88E+00	1.10E-03	4.88E-02	1.25E-02	2.94E+00	3.00E+00	1.12E+01	4.45E+00	4.28E-01	1.91E+01	3.00E+00	1.28E-03	4.88E-02	1.25E-02	3.06E+00
807	490586.72	3860535.12	2.85E+00	1.09E-03	4.89E-02	1.23E-02	2.91E+00	2.97E+00	1.11E+01	4.46E+00	4.21E-01	1.90E+01	2.96E+00	1.27E-03	4.89E-02	1.23E-02	3.03E+00
808	490636.72	3860535.12	2.80E+00	1.08E-03	4.90E-02	1.23E-02	2.86E+00	2.92E+00	1.10E+01	4.47E+00	4.19E-01	1.88E+01	2.92E+00	1.26E-03	4.90E-02	1.23E-02	2.98E+00
809	490686.72	3860535.12	2.73E+00	1.07E-03	4.90E-02	1.22E-02	2.79E+00	2.85E+00	1.09E+01	4.47E+00	4.17E-01	1.86E+01	2.84E+00	1.25E-03	4.90E-02	1.22E-02	2.91E+00
810	490736.72	3860535.12	2.67E+00	1.06E-03	4.94E-02	1.21E-02	2.74E+00	2.79E+00	1.08E+01	4.51E+00	4.12E-01	1.85E+01	2.78E+00	1.23E-03	4.94E-02	1.21E-02	2.85E+00
811	490786.72	3860535.12	2.63E+00	1.04E-03	5.02E-02	1.19E-02	2.70E+00	2.75E+00	1.07E+01	4.58E+00	4.08E-01	1.84E+01	2.74E+00	1.22E-03	5.02E-02	1.19E-02	2.80E+00
812	490136.72	3860585.12	2.92E+00	1.12E-03	4.25E-02	1.24E-02	2.97E+00	3.04E+00	1.14E+01	3.88E+00	4.24E-01	1.88E+01	3.04E+00	1.31E-03	4.25E-02	1.24E-02	3.09E+00
813	490186.72	3860585.12	2.92E+00	1.12E-03	4.25E-02	1.22E-02	2.98E+00	3.05E+00	1.14E+01	3.88E+00	4.17E-01	1.87E+01	3.04E+00	1.30E-03	4.25E-02	1.22E-02	3.10E+00
814	490236.72	3860585.12	2.92E+00	1.12E-03	4.27E-02	1.21E-02	2.97E+00	3.04E+00	1.14E+01	3.90E+00	4.15E-01	1.88E+01	3.04E+00	1.31E-03	4.27E-02	1.21E-02	3.09E+00
815	490286.72	3860585.12	2.92E+00	1.12E-03	4.35E-02	1.20E-02	2.97E+00	3.04E+00	1.14E+01	3.96E+00	4.10E-01	1.88E+01	3.04E+00	1.31E-03	4.35E-02	1.20E-02	3.09E+00
816	490336.72	3860585.12	2.91E+00	1.12E-03	4.38E-02	1.20E-02	2.97E+00	3.04E+00	1.14E+01	4.00E+00	4.10E-01	1.88E+01	3.04E+00	1.30E-03	4.38E-02	1.20E-02	3.09E+00
817	490386.72	3860585.12	2.92E+00	1.11E-03	4.39E-02	1.20E-02	2.98E+00	3.05E+00	1.13E+01	4.01E+00	4.10E-01	1.88E+01	3.04E+00	1.30E-03	4.39E-02	1.20E-02	3.10E+00
818	490436.72	3860585.12	2.92E+00	1.10E-03	4.49E-02	1.21E-02	2.98E+00	3.05E+00	1.13E+01	4.10E+00	4.13E-01	1.88E+01	3.04E+00	1.29E-03	4.49E-02	1.21E-02	3.10E+00
819	490486.72	3860585.12	2.90E+00	1.09E-03	4.67E-02	1.21E-02	2.96E+00	3.03E+00	1.11E+01	4.26E+00	4.15E-01	1.88E+01	3.02E+00	1.28E-03	4.67E-02	1.21E-02	3.08E+00
820	490536.72	3860585.12	2.88E+00	1.08E-03	4.77E-02	1.21E-02	2.94E+00	3.01E+00	1.10E+01	4.35E+00	4.13E-01	1.88E+01	3.00E+00	1.27E-03	4.77E-02	1.21E-02	3.06E+00
821	490586.72	3860585.12	2.84E+00	1.07E-03	4.80E-02	1.18E-02	2.91E+00	2.97E+00	1.10E+01	4.38E+00	4.05E-01	1.87E+01	2.96E+00	1.26E-03	4.80E-02	1.18E-02	3.02E+00
822	490636.72	3860585.12	2.82E+00	1.07E-03	4.85E-02	1.18E-02	2.88E+00	2.94E+00	1.09E+01	4.42E+00	4.03E-01	1.87E+01	2.94E+00	1.25E-03	4.85E-02	1.18E-02	3.00E+00
823	490686.72	3860585.12	2.78E+00	1.06E-03	4.86E-02	1.17E-02	2.84E+00	2.90E+00	1.08E+01	4.43E+00	4.00E-01	1.86E+01	2.90E+00	1.24E-03	4.86E-02	1.17E-02	2.96E+00
824	490736.72	3860585.12	2.71E+00	1.05E-03	4.85E-02	1.16E-02	2.77E+00	2.83E+00	1.08E+01	4.43E+00	3.96E-01	1.84E+01	2.82E+00	1.23E-03	4.85E-02	1.16E-02	2.88E+00
825	490786.72	3860585.12	2.65E+00	1.04E-03	4.89E-02	1.15E-02	2.71E+00	2.77E+00	1.06E+01	4.46E+00	3.92E-01	1.82E+01	2.76E+00	1.22E-03	4.89E-02	1.15E-02	2.82E+00
826	490136.72	3860635.12	2.86E+00	1.10E-03	4.21E-02	1.22E-02	2.92E+00	2.99E+00	1.12E+01	3.84E+00	4.17E-01	1.85E+01	2.98E+00	1.29E-03	4.21E-02	1.22E-02	3.04E+00
827	490186.72	3860635.12	2.89E+00	1.10E-03	4.25E-02	1.21E-02	2.95E+00	3.02E+00	1.12E+01	3.88E+00	4.13E-01	1.85E+01	3.01E+00	1.28E-03	4.25E-02	1.21E-02	3.07E+00
828	490236.72	3860635.12	2.90E+00	1.09E-03	4.25E-02	1.20E-02	2.95E+00	3.02E+00	1.12E+01	3.88E+00	4.09E-01	1.85E+01	3.02E+00	1.28E-03	4.25E-02	1.20E-02	3.07E+00
829	490286.72	3860635.12	2.89E+00	1.09E-03	4.26E-02	1.19E-02	2.95E+00	3.02E+00	1.12E+01	3.88E+00	4.06E-01	1.85E+01	3.01E+00	1.28E-03	4.26E-02	1.19E-02	3.07E+00
830	490336.72	3860635.12	2.89E+00	1.09E-03	4.32E-02	1.18E-02	2.94E+00	3.01E+00	1.12E+01	3.94E+00	4.03E-01	1.85E+01	3.01E+00	1.28E-03	4.32E-02	1.18E-02	3.06E+00
831	490386.72	3860635.12	2.89E+00	1.09E-03	4.36E-02	1.17E-02	2.95E+00	3.02E+00	1.12E+01	3.97E+00	4.00E-01	1.86E+01	3.01E+00	1.28E-03	4.36E-02	1.17E-02	3.07E+00
832	490436.72	3860635.12	2.89E+00	1.09E-03	4.37E-02	1.16E-02	2.95E+00	3.02E+00	1.11E+01	3.98E+00	3.97E-01	1.85E+01	3.01E+00	1.27E-03	4.37E-02	1.16E-02	3.07E+00
833	490486.72	3860635.12	2.89E+00	1.08E-03	4.45E-02	1.16E-02	2.95E+00	3.01E+00	1.11E+01	4.06E+00	3.97E-01	1.85E+01	3.01E+00	1.27E-03	4.45E-02	1.16E-02	3.07E+00
834	490536.72	3860635.12	2.87E+00	1.07E-03	4.60E-02	1.16E-02	2.93E+00	2.99E+00	1.10E+01	4.20E+00	3.98E-01	1.86E+01	2.99E+00	1.26E-03	4.60E-02	1.16E-02	3.05E+00
835	490586.72	3860635.12	2.85E+00	1.06E-03	4.70E-02	1.15E-02	2.91E+00	2.97E+00	1.08E+01	4.28E+00	3.95E-01	1.85E+01	2.97E+00	1.24E-03	4.70E-02	1.15E-02	3.03E+00
836	490636.72	3860635.12	2.82E+00	1.05E-03	4.78E-02	1.15E-02	2.88E+00	2.95E+00	1.08E+01	4.36E+00	3.93E-01	1.85E+01	2.94E+00	1.23E-03	4.78E-02	1.15E-02	3.00E+00
837	490686.72	3860635.12	2.80E+00	1.05E-03	4.82E-02	1.14E-02	2.86E+00	2.92E+00	1.07E+01	4.40E+00	3.91E-01	1.84E+01	2.92E+00	1.23E-03	4.82E-02	1.14E-02	2.98E+00
838	490736.72	3860635.12	2.76E+00	1.04E-03	4.82E-02	1.13E-02	2.82E+00	2.88E+00	1.06E+01	4.40E+00	3.87E-01	1.83E+01	2.87E+00	1.22E-03	4.82E-02	1.13E-02	2.93E+00
839	490786.72	3860635.12	2.69E+00	1.04E-03	4.80E-02	1.12E-02	2.75E+00	2.80E+00	1.06E+01	4.38E+00	3.84E-01	1.81E+01	2.80E+00	1.21E-03	4.80E-02	1.12E-02	2.86E+00
840	490136.72	3860685.12	2.78E+00	1.09E-03	4.07E-02	1.27E-02	2.83E+00	2.90E+00	1.12E+01	3.71E+00	4.33E-01	1.82E+01	2.89E+00	1.28E-03	4.07E-02	1.27E-02	2.94E+00
841	490186.72	3860685.12	2.84E+00	1.08E-03	4.24E-02	1.21E-02	2.90E+00	2.97E+00	1.11E+01	3.87E+00	4.15E-01	1.83E+01	2.96E+00	1.27E-03	4.24E-02	1.21E-02	3.02E+00
842	490236.72	3860685.12	2.87E+00	1.08E-03	4.25E-02	1.19E-02	2.92E+00	2.99E+00	1.10E+01	3.88E+00	4.07E-01	1.83E+01	2.99E+00	1.26E-03	4.25E-02	1.19E-02	3.04E+00
843	490286.72	3860685.12	2.87E+00	1.07E-03	4.22E-02	1.17E-02	2.92E+00	2.99E+00	1.10E+01	3.85E+00	3.98E-01	1.82E+01	2.99E+00	1.26E-03	4.22E-02	1.17E-02	3.04E+00
844	490336.72	3860685.12	2.87E+00	1.07E-03	4.25E-02	1.17E-02	2.92E+00	2.99E+00	1.10E+01	3.87E+00	3.98E-01	1.82E+01	2.99E+00	1.25E-03	4.25E-02	1.17E-02	3.04E+00
845	490386.72	3860685.12	2.86E+00	1.07E-03	4.30E-02	1.16E-02	2.92E+00	2.99E+00	1.10E+01	3.92E+00	3.96E-01	1.83E+01	2.98E+00	1.26E-03	4.30E-02	1.16E-02	3.04E+00
846	490436.72	3860685.12	2.86E+00	1.07E-03	4.32E-02	1.15E-02	2.92E+00	2.99E+00	1.09E+01	3.94E+00	3.92E-01	1.83E+01	2.98E+00	1.25E-03	4.32E-02	1.15E-02	3.04E+00
847	490486.72	3860685.12	2.87E+00	1.07E-03	4.32E-02	1.14E-02	2.92E+00	2.99E+00	1.09E+01	3.94E+00	3.89E-01	1.82E+01	2.98E+00	1.25E-03	4.32E-02	1.14E-02	3.04E+00
848	490536.72	3860685.12	2.86E+00	1.06E-03	4.42E-02	1.13E-02	2.92E+00	2.99E+00	1.09E+01	4.03E+00	3.85E-01	1.83E+01	2.98E+00	1.24E-03	4.42E-02	1.13E-02	3.04E+00
849	490586.72	3860685.12	2.84E+00	1.06E-03	4.55E-02	1.12E-02	2.90E+00	2.96E+00	1.08E+01	4.15E+00	3.84E-01	1.83E+01	2.96E+00	1.23E-03	4.55E-02	1.12E-02	3.01E+00
850	490636.72	3860685.12	2.82E+00	1.04E-03	4.67E-02	1.12E-02	2.88E+00	2.95E+00	1.07E+01	4.26E+00	3.83E-01	1.83E+01	2.94E+00	1.22E-03	4.67E-02	1.12E-02	3.00E+00

851	490686.72	3860685.12	2.80E+00	1.03E-03	4.75E-02	1.12E-02	2.86E+00	2.92E+00	1.06E+01	4.33E+00	3.82E-01	1.82E+01	2.92E+00	1.21E-03	4.75E-02	1.12E-02	2.98E+00
852	490736.72	3860685.12	2.78E+00	1.03E-03	4.79E-02	1.11E-02	2.84E+00	2.90E+00	1.05E+01	4.37E+00	3.79E-01	1.82E+01	2.89E+00	1.20E-03	4.79E-02	1.11E-02	2.95E+00
853	490786.72	3860685.12	2.74E+00	1.02E-03	4.81E-02	1.11E-02	2.80E+00	2.86E+00	1.05E+01	4.39E+00	3.78E-01	1.81E+01	2.85E+00	1.20E-03	4.81E-02	1.11E-02	2.91E+00
854	490136.72	3860735.12	2.74E+00	1.09E-03	3.86E-02	1.36E-02	2.79E+00	2.85E+00	1.11E+01	3.52E+00	4.64E-01	1.80E+01	2.85E+00	1.28E-03	3.86E-02	1.36E-02	2.90E+00
855	490186.72	3860735.12	2.74E+00	1.08E-03	4.01E-02	1.26E-02	2.79E+00	2.86E+00	1.10E+01	3.66E+00	4.32E-01	1.79E+01	2.85E+00	1.26E-03	4.01E-02	1.26E-02	2.90E+00
856	490236.72	3860735.12	2.79E+00	1.07E-03	4.11E-02	1.20E-02	2.85E+00	2.92E+00	1.09E+01	3.75E+00	4.10E-01	1.80E+01	2.91E+00	1.25E-03	4.11E-02	1.20E-02	2.96E+00
857	490286.72	3860735.12	2.83E+00	1.06E-03	4.18E-02	1.17E-02	2.89E+00	2.95E+00	1.08E+01	3.81E+00	4.00E-01	1.80E+01	2.95E+00	1.24E-03	4.18E-02	1.17E-02	3.00E+00
858	490336.72	3860735.12	2.84E+00	1.06E-03	4.20E-02	1.15E-02	2.90E+00	2.97E+00	1.08E+01	3.83E+00	3.93E-01	1.80E+01	2.96E+00	1.23E-03	4.20E-02	1.15E-02	3.02E+00
859	490386.72	3860735.12	2.84E+00	1.05E-03	4.22E-02	1.14E-02	2.90E+00	2.96E+00	1.08E+01	3.85E+00	3.90E-01	1.80E+01	2.96E+00	1.23E-03	4.22E-02	1.14E-02	3.01E+00
860	490436.72	3860735.12	2.84E+00	1.05E-03	4.30E-02	1.14E-02	2.90E+00	2.97E+00	1.08E+01	3.92E+00	3.91E-01	1.80E+01	2.96E+00	1.23E-03	4.30E-02	1.14E-02	3.02E+00
861	490486.72	3860735.12	2.84E+00	1.05E-03	4.31E-02	1.13E-02	2.90E+00	2.96E+00	1.07E+01	3.93E+00	3.87E-01	1.80E+01	2.96E+00	1.23E-03	4.31E-02	1.13E-02	3.01E+00
862	490536.72	3860735.12	2.84E+00	1.05E-03	4.28E-02	1.12E-02	2.89E+00	2.96E+00	1.07E+01	3.91E+00	3.82E-01	1.80E+01	2.96E+00	1.23E-03	4.28E-02	1.12E-02	3.01E+00
863	490586.72	3860735.12	2.83E+00	1.04E-03	4.38E-02	1.11E-02	2.89E+00	2.96E+00	1.07E+01	4.00E+00	3.80E-01	1.80E+01	2.95E+00	1.22E-03	4.38E-02	1.11E-02	3.01E+00
864	490636.72	3860735.12	2.81E+00	1.04E-03	4.51E-02	1.10E-02	2.87E+00	2.93E+00	1.06E+01	4.12E+00	3.76E-01	1.80E+01	2.93E+00	1.21E-03	4.51E-02	1.10E-02	2.98E+00
865	490686.72	3860735.12	2.80E+00	1.03E-03	4.63E-02	1.09E-02	2.86E+00	2.92E+00	1.05E+01	4.22E+00	3.73E-01	1.80E+01	2.92E+00	1.20E-03	4.63E-02	1.09E-02	2.97E+00
866	490736.72	3860735.12	2.78E+00	1.02E-03	4.72E-02	1.09E-02	2.83E+00	2.90E+00	1.04E+01	4.31E+00	3.72E-01	1.80E+01	2.89E+00	1.19E-03	4.72E-02	1.09E-02	2.95E+00
867	490136.72	3860785.12	2.72E+00	1.10E-03	3.67E-02	1.45E-02	2.77E+00	2.84E+00	1.12E+01	3.35E+00	4.96E-01	1.79E+01	2.83E+00	1.28E-03	3.67E-02	1.45E-02	2.88E+00
868	490186.72	3860785.12	2.69E+00	1.08E-03	3.86E-02	1.36E-02	2.75E+00	2.81E+00	1.10E+01	3.52E+00	4.67E-01	1.78E+01	2.80E+00	1.26E-03	3.86E-02	1.36E-02	2.86E+00
869	490236.72	3860785.12	2.71E+00	1.06E-03	4.00E-02	1.28E-02	2.76E+00	2.83E+00	1.09E+01	3.65E+00	4.38E-01	1.78E+01	2.82E+00	1.25E-03	4.00E-02	1.28E-02	2.88E+00
870	490286.72	3860785.12	2.77E+00	1.05E-03	4.10E-02	1.22E-02	2.82E+00	2.89E+00	1.08E+01	3.74E+00	4.16E-01	1.78E+01	2.88E+00	1.23E-03	4.10E-02	1.22E-02	2.94E+00
871	490336.72	3860785.12	2.80E+00	1.04E-03	4.15E-02	1.17E-02	2.86E+00	2.92E+00	1.07E+01	3.78E+00	4.00E-01	1.78E+01	2.92E+00	1.22E-03	4.15E-02	1.17E-02	2.97E+00
872	490386.72	3860785.12	2.82E+00	1.04E-03	4.18E-02	1.15E-02	2.87E+00	2.94E+00	1.06E+01	3.81E+00	3.93E-01	1.77E+01	2.93E+00	1.21E-03	4.18E-02	1.15E-02	2.99E+00
873	490436.72	3860785.12	2.81E+00	1.03E-03	4.19E-02	1.12E-02	2.87E+00	2.93E+00	1.06E+01	3.83E+00	3.84E-01	1.77E+01	2.93E+00	1.21E-03	4.19E-02	1.12E-02	2.98E+00
874	490486.72	3860785.12	2.81E+00	1.03E-03	4.25E-02	1.12E-02	2.86E+00	2.93E+00	1.05E+01	3.88E+00	3.82E-01	1.77E+01	2.93E+00	1.21E-03	4.25E-02	1.12E-02	2.98E+00
875	490536.72	3860785.12	2.81E+00	1.03E-03	4.26E-02	1.11E-02	2.87E+00	2.93E+00	1.05E+01	3.88E+00	3.79E-01	1.77E+01	2.93E+00	1.21E-03	4.26E-02	1.11E-02	2.98E+00
876	490586.72	3860785.12	2.81E+00	1.03E-03	4.24E-02	1.09E-02	2.86E+00	2.93E+00	1.05E+01	3.86E+00	3.74E-01	1.77E+01	2.93E+00	1.20E-03	4.24E-02	1.09E-02	2.98E+00
877	490636.72	3860785.12	2.81E+00	1.02E-03	4.35E-02	1.09E-02	2.86E+00	2.93E+00	1.05E+01	3.97E+00	3.73E-01	1.77E+01	2.92E+00	1.20E-03	4.35E-02	1.09E-02	2.98E+00
878	490686.72	3860785.12	2.78E+00	1.02E-03	4.48E-02	1.09E-02	2.84E+00	2.91E+00	1.04E+01	4.09E+00	3.71E-01	1.78E+01	2.90E+00	1.19E-03	4.48E-02	1.09E-02	2.96E+00
879	490736.72	3860785.12	2.77E+00	1.01E-03	4.60E-02	1.08E-02	2.83E+00	2.89E+00	1.04E+01	4.19E+00	3.70E-01	1.78E+01	2.89E+00	1.19E-03	4.60E-02	1.08E-02	2.94E+00
880	490086.72	3860835.12	2.73E+00	1.14E-03	3.43E-02	1.58E-02	2.78E+00	2.84E+00	1.17E+01	3.13E+00	5.39E-01	1.82E+01	2.84E+00	1.34E-03	3.43E-02	1.58E-02	2.89E+00
881	490136.72	3860835.12	2.72E+00	1.12E-03	3.50E-02	1.53E-02	2.77E+00	2.84E+00	1.14E+01	3.20E+00	5.22E-01	1.80E+01	2.83E+00	1.30E-03	3.50E-02	1.53E-02	2.89E+00
882	490186.72	3860835.12	2.68E+00	1.09E-03	3.70E-02	1.45E-02	2.74E+00	2.80E+00	1.11E+01	3.37E+00	4.96E-01	1.78E+01	2.80E+00	1.28E-03	3.70E-02	1.45E-02	2.85E+00
883	490236.72	3860835.12	2.66E+00	1.07E-03	3.87E-02	1.37E-02	2.71E+00	2.77E+00	1.09E+01	3.53E+00	4.70E-01	1.77E+01	2.77E+00	1.25E-03	3.87E-02	1.37E-02	2.82E+00
884	490286.72	3860835.12	2.69E+00	1.06E-03	4.00E-02	1.30E-02	2.74E+00	2.80E+00	1.08E+01	3.65E+00	4.44E-01	1.77E+01	2.80E+00	1.23E-03	4.00E-02	1.30E-02	2.85E+00
885	490336.72	3860835.12	2.74E+00	1.04E-03	4.08E-02	1.23E-02	2.80E+00	2.86E+00	1.06E+01	3.72E+00	4.20E-01	1.76E+01	2.85E+00	1.22E-03	4.08E-02	1.23E-02	2.91E+00
886	490386.72	3860835.12	2.77E+00	1.03E-03	4.12E-02	1.17E-02	2.83E+00	2.89E+00	1.05E+01	3.76E+00	4.01E-01	1.76E+01	2.89E+00	1.21E-03	4.12E-02	1.17E-02	2.94E+00
887	490436.72	3860835.12	2.79E+00	1.02E-03	4.14E-02	1.15E-02	2.84E+00	2.91E+00	1.04E+01	3.77E+00	3.93E-01	1.75E+01	2.90E+00	1.19E-03	4.14E-02	1.15E-02	2.96E+00
888	490486.72	3860835.12	2.78E+00	1.02E-03	4.16E-02	1.13E-02	2.84E+00	2.90E+00	1.04E+01	3.80E+00	3.85E-01	1.75E+01	2.90E+00	1.19E-03	4.16E-02	1.13E-02	2.95E+00
889	490536.72	3860835.12	2.77E+00	1.01E-03	4.20E-02	1.10E-02	2.83E+00	2.89E+00	1.04E+01	3.83E+00	3.77E-01	1.75E+01	2.89E+00	1.19E-03	4.20E-02	1.10E-02	2.94E+00
890	490586.72	3860835.12	2.78E+00	1.01E-03	4.21E-02	1.09E-02	2.83E+00	2.90E+00	1.03E+01	3.84E+00	3.71E-01	1.74E+01	2.90E+00	1.18E-03	4.21E-02	1.09E-02	2.95E+00
891	490636.72	3860835.12	2.78E+00	1.01E-03	4.20E-02	1.08E-02	2.84E+00	2.90E+00	1.03E+01	3.83E+00	3.68E-01	1.74E+01	2.90E+00	1.18E-03	4.20E-02	1.08E-02	2.95E+00
892	490686.72	3860835.12	2.78E+00	1.01E-03	4.33E-02	1.07E-02	2.84E+00	2.90E+00	1.03E+01	3.95E+00	3.67E-01	1.75E+01	2.90E+00	1.18E-03	4.33E-02	1.07E-02	2.95E+00
893	490736.72	3860835.12	2.76E+00	1.00E-03	4.46E-02	1.07E-02	2.82E+00	2.88E+00	1.03E+01	4.07E+00	3.67E-01	1.76E+01	2.87E+00	1.17E-03	4.46E-02	1.07E-02	2.93E+00
894	490086.72	3860885.12	2.69E+00	1.17E-03	3.37E-02	1.58E-02	2.74E+00	2.81E+00	1.20E+01	3.08E+00	5.40E-01	1.84E+01	2.80E+00	1.37E-03	3.37E-02	1.58E-02	2.85E+00
895	490136.72	3860885.12	2.70E+00	1.14E-03	3.41E-02	1.55E-02	2.75E+00	2.81E+00	1.16E+01	3.11E+00	5.30E-01	1.81E+01	2.81E+00	1.33E-03	3.41E-02	1.55E-02	2.86E+00
896	490186.72	3860885.12	2.68E+00	1.11E-03	3.53E-02	1.50E-02	2.73E+00	2.80E+00	1.13E+01	3.22E+00	5.14E-01	1.79E+01	2.79E+00	1.30E-03	3.53E-02	1.50E-02	2.85E+00
897	490236.72	3860885.12	2.65E+00	1.08E-03	3.72E-02	1.44E-02	2.70E+00	2.77E+00	1.11E+01	3.39E+00	4.94E-01	1.77E+01	2.76E+00	1.27E-03	3.72E-02	1.44E-02	2.81E+00
898	490286.72	3860885.12	2.62E+00	1.06E-03	3.88E-02	1.38E-02	2.68E+00	2.74E+00	1.09E+01	3.54E+00	4.71E-01	1.76E+01	2.73E+00	1.24E-03	3.88E-02	1.38E-02	2.79E+00
899	490336.72	3860885.12	2.66E+00	1.05E-03	3.99E-02	1.31E-02	2.71E+00	2.77E+00	1.07E+01	3.64E+00	4.47E-01	1.75E+01	2.77E+00	1.22E-03	3.99E-02	1.31E-02	2.82E+00
900	490386.72	3860885.12	2.72E+00	1.03E-03	4.06E-02	1.24E-02	2.77E+00	2.83E+00	1.05E+01	3.71E+00	4.24E-01	1.75E+01	2.83E+00	1.21E-03	4.06E-02	1.24E-02	2.88E+00
901	490436.72	3860885.12	2.75E+00	1.02E-03	4.11E-02	1.19E-02	2.80E+00	2.87E+00	1.04E+01	3.75E+00	4.06E-01	1.74E+01	2.86E+00	1.19E-03	4.11E-02	1.19E-02	2.92E+00
902	490486.72	3860885.12	2.76E+00	1.01E-03	4.11E-02	1.15E-02	2.81E+00	2.88E+00	1.03E+01	3.75E+00	3.93E-01	1.73E+01	2.87E+00	1.18E-03	4.11E-02	1.15E-02	2.93E+00
903	490536.72	3860885.12	2.75E+00	1.00E-03	4.13E-02	1.12E-02	2.80E+00	2.87E+00	1.02E+01	3.76E+00	3.85E-01	1.73E+01	2.86E+00	1.17E-03	4.13E-02	1.12E-02	2.92E+00
904	490586.72	3860885.12	2.74E+00	9.97E-04	4.15E-02	1.10E-02	2.80E+00	2.86E+00	1.02E+01	3.79E+00	3.76E-01	1.72E+01	2.86E+00	1.17E-03	4.15E-02	1.10E-02	2.91E+00
905	490636.72	3860885.12	2.75E+00	9.92E-04	4.16E-02	1.08E-02	2.81E+00	2.87E+00	1.01E+01	3.80E+00	3.68E-01	1.72E+01	2.87E+00	1.16E-03	4.16E-02	1.08E-02	2.92E+00
906	490686.72	3860885.12	2.75E+00	9.91E-04	4.16E-02	1.06E-02	2.81E+00	2.87E+00	1.01E+01	3.80E+00	3.63E-01	1.72E+01	2.87E+00	1.16E-03	4.16E-02	1.06E-02	2.92E+00
907	490736.72	3860885.12	2.75E+00	9.89E-04	4.30E-02	1.05E-02	2.81E+00	2.87E+00	1.01E+01	3.92E+00	3.60E-01	1.73E+01	2.87E+00	1.16E-03	4.30E-02	1.05E-02	2.92E+00
908	490086.72	3860935.12	2.63E+00	1.21E-03	3.29E-02	1.54E-02	2.68E+00	2.74E+00	1.23E+01	3.00E+00	5.26E-01	1.86E+01	2.74E+00	1.41E-03	3.29E-02	1.54E-02	2.79E+00
909	490136.72	3860935.12	2.65E+00	1.16E-03	3.35E-02	1.52E-02	2.70E+00	2.76E+00	1.19E+01	3.06E+00	5.21E-01	1.82E+01	2.76E+00	1.36E-03	3.35E-02	1.52E-02	2.81E+00
910	490186.72	3860935.12	2.66E+00	1.13E-03	3.40E-02	1.51E-02	2.71E+00	2.78E+00	1.15E+01	3.10E+00	5.15E-01	1.79E+01	2.77E+00	1.32E-03	3.40E-02	1.51E-02	2.82E+00
911	490236.72	3860935.12	2.65E+00	1.10E-03	3.56E-02	1.47E-02	2.70E+00	2.76E+00	1.13E+01	3.24E+00	5.04E-01	1.78E+01	2.76E+00	1.29E-03	3.56E-02	1.47E-02	2.81E+00

912	490286.72	3860935.12	2.62E+00	1.08E-03	3.74E-02	1.43E-02	2.67E+00	2.73E+00	1.10E+01	3.41E+00	4.89E-01	1.76E+01	2.73E+00	1.26E-03	3.74E-02	1.43E-02	2.78E+00
913	490336.72	3860935.12	2.59E+00	1.06E-03	3.88E-02	1.37E-02	2.64E+00	2.70E+00	1.08E+01	3.54E+00	4.69E-01	1.75E+01	2.70E+00	1.24E-03	3.88E-02	1.37E-02	2.75E+00
914	490386.72	3860935.12	2.63E+00	1.04E-03	3.99E-02	1.31E-02	2.69E+00	2.75E+00	1.06E+01	3.64E+00	4.49E-01	1.74E+01	2.74E+00	1.22E-03	3.99E-02	1.31E-02	2.80E+00
915	490436.72	3860935.12	2.69E+00	1.02E-03	4.06E-02	1.25E-02	2.75E+00	2.81E+00	1.05E+01	3.70E+00	4.28E-01	1.74E+01	2.80E+00	1.20E-03	4.06E-02	1.25E-02	2.86E+00
916	490486.72	3860935.12	2.72E+00	1.01E-03	4.08E-02	1.19E-02	2.78E+00	2.84E+00	1.03E+01	3.72E+00	4.09E-01	1.73E+01	2.84E+00	1.18E-03	4.08E-02	1.19E-02	2.89E+00
917	490536.72	3860935.12	2.73E+00	9.97E-04	4.07E-02	1.15E-02	2.78E+00	2.85E+00	1.02E+01	3.72E+00	3.92E-01	1.71E+01	2.84E+00	1.17E-03	4.07E-02	1.15E-02	2.90E+00
918	490586.72	3860935.12	2.72E+00	9.87E-04	4.09E-02	1.12E-02	2.77E+00	2.84E+00	1.01E+01	3.73E+00	3.84E-01	1.70E+01	2.83E+00	1.15E-03	4.09E-02	1.12E-02	2.89E+00
919	490636.72	3860935.12	2.71E+00	9.82E-04	4.11E-02	1.10E-02	2.76E+00	2.83E+00	1.00E+01	3.75E+00	3.76E-01	1.70E+01	2.82E+00	1.15E-03	4.11E-02	1.10E-02	2.88E+00
920	490686.72	3860935.12	2.72E+00	9.77E-04	4.12E-02	1.08E-02	2.78E+00	2.84E+00	9.98E+00	3.76E+00	3.68E-01	1.70E+01	2.84E+00	1.14E-03	4.12E-02	1.08E-02	2.89E+00
921	490736.72	3860935.12	2.73E+00	9.74E-04	4.14E-02	1.06E-02	2.78E+00	2.85E+00	9.95E+00	3.78E+00	3.61E-01	1.69E+01	2.84E+00	1.14E-03	4.14E-02	1.06E-02	2.89E+00
922	490786.72	3860935.12	2.72E+00	9.72E-04	4.27E-02	1.04E-02	2.78E+00	2.84E+00	9.93E+00	3.90E+00	3.57E-01	1.70E+01	2.84E+00	1.14E-03	4.27E-02	1.04E-02	2.89E+00
923	490836.72	3860935.12	2.70E+00	9.70E-04	4.39E-02	1.04E-02	2.75E+00	2.82E+00	9.91E+00	4.01E+00	3.55E-01	1.71E+01	2.81E+00	1.14E-03	4.39E-02	1.04E-02	2.87E+00
924	490086.72	3860985.12	2.59E+00	1.24E-03	3.20E-02	1.49E-02	2.63E+00	2.70E+00	1.27E+01	2.92E+00	5.10E-01	1.88E+01	2.69E+00	1.45E-03	3.20E-02	1.49E-02	2.74E+00
925	490136.72	3860985.12	2.60E+00	1.20E-03	3.28E-02	1.49E-02	2.65E+00	2.71E+00	1.22E+01	3.00E+00	5.10E-01	1.84E+01	2.71E+00	1.40E-03	3.28E-02	1.49E-02	2.75E+00
926	490186.72	3860985.12	2.62E+00	1.16E-03	3.34E-02	1.49E-02	2.67E+00	2.74E+00	1.18E+01	3.05E+00	5.09E-01	1.81E+01	2.73E+00	1.36E-03	3.34E-02	1.49E-02	2.78E+00
927	490236.72	3860985.12	2.63E+00	1.12E-03	3.40E-02	1.47E-02	2.68E+00	2.74E+00	1.15E+01	3.10E+00	5.02E-01	1.78E+01	2.74E+00	1.31E-03	3.40E-02	1.47E-02	2.79E+00
928	490286.72	3860985.12	2.61E+00	1.09E-03	3.58E-02	1.44E-02	2.66E+00	2.72E+00	1.12E+01	3.27E+00	4.93E-01	1.77E+01	2.72E+00	1.28E-03	3.58E-02	1.44E-02	2.77E+00
929	490336.72	3860985.12	2.58E+00	1.07E-03	3.75E-02	1.40E-02	2.64E+00	2.70E+00	1.09E+01	3.42E+00	4.80E-01	1.75E+01	2.69E+00	1.25E-03	3.75E-02	1.40E-02	2.74E+00
930	490386.72	3860985.12	2.56E+00	1.05E-03	3.88E-02	1.36E-02	2.61E+00	2.67E+00	1.07E+01	3.54E+00	4.65E-01	1.74E+01	2.67E+00	1.23E-03	3.88E-02	1.36E-02	2.72E+00
931	490436.72	3860985.12	2.61E+00	1.03E-03	3.98E-02	1.31E-02	2.66E+00	2.72E+00	1.05E+01	3.63E+00	4.49E-01	1.74E+01	2.72E+00	1.21E-03	3.98E-02	1.31E-02	2.77E+00
932	490486.72	3860985.12	2.67E+00	1.02E-03	4.04E-02	1.25E-02	2.72E+00	2.78E+00	1.04E+01	3.68E+00	4.29E-01	1.73E+01	2.78E+00	1.19E-03	4.04E-02	1.25E-02	2.83E+00
933	490536.72	3860985.12	2.70E+00	1.00E-03	4.05E-02	1.20E-02	2.75E+00	2.81E+00	1.02E+01	3.69E+00	4.10E-01	1.71E+01	2.81E+00	1.17E-03	4.05E-02	1.20E-02	2.86E+00
934	490586.72	3860985.12	2.70E+00	9.85E-04	4.03E-02	1.15E-02	2.75E+00	2.81E+00	1.01E+01	3.68E+00	3.93E-01	1.69E+01	2.81E+00	1.15E-03	4.03E-02	1.15E-02	2.86E+00
935	490636.72	3860985.12	2.69E+00	9.75E-04	4.06E-02	1.12E-02	2.74E+00	2.81E+00	9.96E+00	3.70E+00	3.84E-01	1.68E+01	2.80E+00	1.14E-03	4.06E-02	1.12E-02	2.86E+00
936	490686.72	3860985.12	2.68E+00	9.68E-04	4.08E-02	1.10E-02	2.74E+00	2.80E+00	9.89E+00	3.72E+00	3.76E-01	1.68E+01	2.79E+00	1.13E-03	4.08E-02	1.10E-02	2.85E+00
937	490736.72	3860985.12	2.70E+00	9.62E-04	4.08E-02	1.08E-02	2.75E+00	2.81E+00	9.83E+00	3.73E+00	3.68E-01	1.67E+01	2.81E+00	1.13E-03	4.08E-02	1.08E-02	2.86E+00
938	490786.72	3860985.12	2.70E+00	9.58E-04	4.12E-02	1.05E-02	2.75E+00	2.81E+00	9.78E+00	3.75E+00	3.61E-01	1.67E+01	2.81E+00	1.12E-03	4.12E-02	1.05E-02	2.86E+00
939	490836.72	3860985.12	2.69E+00	9.57E-04	4.25E-02	1.04E-02	2.75E+00	2.81E+00	9.77E+00	3.87E+00	3.55E-01	1.68E+01	2.81E+00	1.12E-03	4.25E-02	1.04E-02	2.86E+00
940	490086.72	3861035.12	2.55E+00	1.27E-03	3.11E-02	1.46E-02	2.60E+00	2.66E+00	1.30E+01	2.83E+00	5.00E-01	1.90E+01	2.65E+00	1.49E-03	3.11E-02	1.46E-02	2.70E+00
941	490136.72	3861035.12	2.55E+00	1.23E-03	3.20E-02	1.46E-02	2.60E+00	2.66E+00	1.26E+01	2.92E+00	4.99E-01	1.87E+01	2.66E+00	1.44E-03	3.20E-02	1.46E-02	2.70E+00
942	490186.72	3861035.12	2.57E+00	1.19E-03	3.28E-02	1.45E-02	2.62E+00	2.68E+00	1.22E+01	2.99E+00	4.95E-01	1.83E+01	2.67E+00	1.39E-03	3.28E-02	1.45E-02	2.72E+00
943	490236.72	3861035.12	2.59E+00	1.15E-03	3.32E-02	1.44E-02	2.64E+00	2.70E+00	1.18E+01	3.03E+00	4.93E-01	1.80E+01	2.70E+00	1.35E-03	3.32E-02	1.44E-02	2.74E+00
944	490286.72	3861035.12	2.60E+00	1.12E-03	3.41E-02	1.43E-02	2.65E+00	2.71E+00	1.14E+01	3.11E+00	4.88E-01	1.77E+01	2.70E+00	1.30E-03	3.41E-02	1.43E-02	2.75E+00
945	490336.72	3861035.12	2.57E+00	1.09E-03	3.60E-02	1.40E-02	2.63E+00	2.69E+00	1.11E+01	3.28E+00	4.80E-01	1.75E+01	2.68E+00	1.27E-03	3.60E-02	1.40E-02	2.73E+00
946	490386.72	3861035.12	2.55E+00	1.06E-03	3.76E-02	1.38E-02	2.61E+00	2.67E+00	1.09E+01	3.43E+00	4.72E-01	1.74E+01	2.66E+00	1.25E-03	3.76E-02	1.38E-02	2.71E+00
947	490436.72	3861035.12	2.54E+00	1.04E-03	3.89E-02	1.35E-02	2.59E+00	2.65E+00	1.07E+01	3.55E+00	4.61E-01	1.73E+01	2.64E+00	1.22E-03	3.89E-02	1.35E-02	2.69E+00
948	490486.72	3861035.12	2.58E+00	1.03E-03	3.97E-02	1.30E-02	2.64E+00	2.69E+00	1.05E+01	3.62E+00	4.45E-01	1.72E+01	2.69E+00	1.20E-03	3.97E-02	1.30E-02	2.74E+00
949	490536.72	3861035.12	2.64E+00	1.01E-03	4.01E-02	1.25E-02	2.69E+00	2.75E+00	1.03E+01	3.66E+00	4.28E-01	1.71E+01	2.75E+00	1.18E-03	4.01E-02	1.25E-02	2.80E+00
950	490586.72	3861035.12	2.66E+00	9.92E-04	4.02E-02	1.20E-02	2.72E+00	2.78E+00	1.01E+01	3.67E+00	4.10E-01	1.70E+01	2.77E+00	1.16E-03	4.02E-02	1.20E-02	2.83E+00
951	490636.72	3861035.12	2.67E+00	9.77E-04	4.00E-02	1.15E-02	2.72E+00	2.78E+00	9.98E+00	3.64E+00	3.93E-01	1.68E+01	2.78E+00	1.14E-03	4.00E-02	1.15E-02	2.83E+00
952	490686.72	3861035.12	2.66E+00	9.64E-04	4.02E-02	1.12E-02	2.71E+00	2.77E+00	9.84E+00	3.67E+00	3.83E-01	1.67E+01	2.77E+00	1.13E-03	4.02E-02	1.12E-02	2.82E+00
953	490736.72	3861035.12	2.65E+00	9.55E-04	4.04E-02	1.10E-02	2.70E+00	2.77E+00	9.76E+00	3.68E+00	3.75E-01	1.66E+01	2.76E+00	1.12E-03	4.04E-02	1.10E-02	2.81E+00
954	490786.72	3861035.12	2.67E+00	9.50E-04	4.05E-02	1.08E-02	2.72E+00	2.78E+00	9.70E+00	3.69E+00	3.68E-01	1.65E+01	2.78E+00	1.11E-03	4.05E-02	1.08E-02	2.83E+00
955	490836.72	3861035.12	2.67E+00	9.44E-04	4.09E-02	1.06E-02	2.72E+00	2.78E+00	9.65E+00	3.73E+00	3.61E-01	1.65E+01	2.78E+00	1.10E-03	4.09E-02	1.06E-02	2.83E+00
956	490086.72	3861085.12	2.57E+00	1.32E-03	3.04E-02	1.44E-02	2.61E+00	2.68E+00	1.35E+01	2.78E+00	4.93E-01	1.94E+01	2.67E+00	1.54E-03	3.04E-02	1.44E-02	2.72E+00
957	490136.72	3861085.12	2.52E+00	1.27E-03	3.11E-02	1.44E-02	2.56E+00	2.62E+00	1.29E+01	2.83E+00	4.92E-01	1.89E+01	2.62E+00	1.48E-03	3.11E-02	1.44E-02	2.67E+00
958	490186.72	3861085.12	2.52E+00	1.22E-03	3.21E-02	1.44E-02	2.57E+00	2.63E+00	1.25E+01	2.93E+00	4.91E-01	1.86E+01	2.63E+00	1.43E-03	3.21E-02	1.44E-02	2.67E+00
959	490236.72	3861085.12	2.54E+00	1.18E-03	3.27E-02	1.43E-02	2.59E+00	2.65E+00	1.21E+01	2.98E+00	4.87E-01	1.82E+01	2.65E+00	1.38E-03	3.27E-02	1.43E-02	2.69E+00
960	490286.72	3861085.12	2.56E+00	1.15E-03	3.31E-02	1.41E-02	2.61E+00	2.67E+00	1.17E+01	3.02E+00	4.81E-01	1.79E+01	2.67E+00	1.34E-03	3.31E-02	1.41E-02	2.72E+00
961	490336.72	3861085.12	2.57E+00	1.11E-03	3.45E-02	1.39E-02	2.62E+00	2.68E+00	1.13E+01	3.14E+00	4.75E-01	1.76E+01	2.67E+00	1.30E-03	3.45E-02	1.39E-02	2.72E+00
962	490386.72	3861085.12	2.55E+00	1.08E-03	3.63E-02	1.38E-02	2.60E+00	2.66E+00	1.10E+01	3.31E+00	4.71E-01	1.75E+01	2.65E+00	1.26E-03	3.63E-02	1.38E-02	2.70E+00
963	490436.72	3861085.12	2.52E+00	1.06E-03	3.77E-02	1.35E-02	2.58E+00	2.63E+00	1.08E+01	3.44E+00	4.63E-01	1.73E+01	2.63E+00	1.24E-03	3.77E-02	1.35E-02	2.68E+00
964	490486.72	3861085.12	2.50E+00	1.04E-03	3.88E-02	1.32E-02	2.56E+00	2.61E+00	1.06E+01	3.54E+00	4.52E-01	1.72E+01	2.61E+00	1.21E-03	3.88E-02	1.32E-02	2.66E+00
965	490536.72	3861085.12	2.56E+00	1.02E-03	3.96E-02	1.29E-02	2.61E+00	2.67E+00	1.04E+01	3.61E+00	4.40E-01	1.71E+01	2.66E+00	1.19E-03	3.96E-02	1.29E-02	2.72E+00
966	490586.72	3861085.12	2.60E+00	1.00E-03	3.99E-02	1.24E-02	2.66E+00	2.72E+00	1.02E+01	3.64E+00	4.24E-01	1.70E+01	2.71E+00	1.17E-03	3.99E-02	1.24E-02	2.77E+00
967	490636.72	3861085.12	2.63E+00	9.83E-04	3.98E-02	1.19E-02	2.68E+00	2.74E+00	1.00E+01	3.63E+00	4.07E-01	1.68E+01	2.74E+00	1.15E-03	3.98E-02	1.19E-02	2.79E+00
968	490686.72	3861085.12	2.63E+00	9.68E-04	3.95E-02	1.15E-02	2.68E+00	2.75E+00	9.89E+00	3.61E+00	3.92E-01	1.66E+01	2.74E+00	1.13E-03	3.95E-02	1.15E-02	2.79E+00
969	490736.72	3861085.12	2.63E+00	9.54E-04	3.98E-02	1.12E-02	2.68E+00	2.74E+00	9.75E+00	3.63E+00	3.81E-01	1.65E+01	2.74E+00	1.12E-03	3.98E-02	1.12E-02	2.79E+00
970	490786.72	3861085.12	2.62E+00	9.44E-04	4.01E-02	1.10E-02	2.67E+00	2.73E+00	9.64E+00	3.65E+00	3.75E-01	1.64E+01	2.73E+00	1.10E-03	4.01E-02	1.10E-02	2.78E+00
971	490836.72	3861085.12	2.64E+00	9.38E-04	4.01E-02	1.08E-02	2.69E+00	2.75E+00	9.58E+00	3.66E+00	3.68E-01	1.64E+01	2.75E+00	1.10E-03	4.01E-02	1.08E-02	2.80E+00
972	490086.72	3861135.12	2.58E+00	1.36E-03	2.97E-02	1.45E-02	2.62E+00	2.69E+00	1.39E+01	2.71E+00	4.94E-01	1.98E+01	2.68E+00	1.59E-03	2.97E-02	1.45E-02	2.73E+00

973	490136.72	3861135.12	2.52E+00	1.31E-03	3.05E-02	1.42E-02	2.57E+00	2.63E+00	1.34E+01	2.78E+00	4.86E-01	1.93E+01	2.63E+00	1.53E-03	3.05E-02	1.42E-02	2.67E+00
974	490186.72	3861135.12	2.48E+00	1.26E-03	3.12E-02	1.41E-02	2.53E+00	2.59E+00	1.29E+01	2.84E+00	4.84E-01	1.88E+01	2.59E+00	1.47E-03	3.12E-02	1.41E-02	2.63E+00
975	490236.72	3861135.12	2.49E+00	1.21E-03	3.20E-02	1.40E-02	2.53E+00	2.59E+00	1.24E+01	2.92E+00	4.80E-01	1.84E+01	2.59E+00	1.42E-03	3.20E-02	1.40E-02	2.64E+00
976	490286.72	3861135.12	2.51E+00	1.18E-03	3.26E-02	1.40E-02	2.56E+00	2.62E+00	1.20E+01	2.97E+00	4.78E-01	1.81E+01	2.61E+00	1.38E-03	3.26E-02	1.40E-02	2.66E+00
977	490336.72	3861135.12	2.53E+00	1.14E-03	3.31E-02	1.38E-02	2.58E+00	2.64E+00	1.16E+01	3.02E+00	4.73E-01	1.78E+01	2.64E+00	1.33E-03	3.31E-02	1.38E-02	2.69E+00
978	490386.72	3861135.12	2.54E+00	1.11E-03	3.48E-02	1.36E-02	2.59E+00	2.65E+00	1.13E+01	3.17E+00	4.66E-01	1.76E+01	2.64E+00	1.29E-03	3.48E-02	1.36E-02	2.69E+00
979	490436.72	3861135.12	2.51E+00	1.08E-03	3.65E-02	1.34E-02	2.57E+00	2.62E+00	1.10E+01	3.32E+00	4.59E-01	1.74E+01	2.62E+00	1.26E-03	3.65E-02	1.34E-02	2.67E+00
980	490486.72	3861135.12	2.49E+00	1.05E-03	3.78E-02	1.32E-02	2.54E+00	2.60E+00	1.07E+01	3.45E+00	4.52E-01	1.72E+01	2.59E+00	1.23E-03	3.78E-02	1.32E-02	2.65E+00
981	490536.72	3861135.12	2.48E+00	1.03E-03	3.87E-02	1.30E-02	2.53E+00	2.58E+00	1.05E+01	3.53E+00	4.44E-01	1.71E+01	2.58E+00	1.20E-03	3.87E-02	1.30E-02	2.63E+00
982	490586.72	3861135.12	2.52E+00	1.01E-03	3.93E-02	1.26E-02	2.58E+00	2.63E+00	1.03E+01	3.59E+00	4.32E-01	1.70E+01	2.63E+00	1.18E-03	3.93E-02	1.26E-02	2.68E+00
983	490636.72	3861135.12	2.57E+00	9.92E-04	3.95E-02	1.22E-02	2.62E+00	2.68E+00	1.01E+01	3.61E+00	4.18E-01	1.68E+01	2.68E+00	1.16E-03	3.95E-02	1.22E-02	2.73E+00
984	490686.72	3861135.12	2.60E+00	9.76E-04	3.95E-02	1.18E-02	2.65E+00	2.71E+00	9.97E+00	3.60E+00	4.04E-01	1.67E+01	2.70E+00	1.14E-03	3.95E-02	1.18E-02	2.76E+00
985	490736.72	3861135.12	2.60E+00	9.61E-04	3.92E-02	1.14E-02	2.65E+00	2.71E+00	9.82E+00	3.58E+00	3.91E-01	1.65E+01	2.71E+00	1.12E-03	3.92E-02	1.14E-02	2.76E+00
986	490786.72	3861135.12	2.60E+00	9.47E-04	3.96E-02	1.11E-02	2.65E+00	2.71E+00	9.67E+00	3.61E+00	3.81E-01	1.64E+01	2.70E+00	1.11E-03	3.96E-02	1.11E-02	2.75E+00
987	490836.72	3861135.12	2.59E+00	9.34E-04	3.97E-02	1.09E-02	2.64E+00	2.70E+00	9.54E+00	3.62E+00	3.74E-01	1.62E+01	2.69E+00	1.09E-03	3.97E-02	1.09E-02	2.75E+00
988	490086.72	3861185.12	2.60E+00	1.38E-03	2.91E-02	1.46E-02	2.64E+00	2.71E+00	1.41E+01	2.66E+00	4.99E-01	2.00E+01	2.71E+00	1.61E-03	2.91E-02	1.46E-02	2.75E+00
989	490136.72	3861185.12	2.53E+00	1.34E-03	2.97E-02	1.44E-02	2.58E+00	2.64E+00	1.37E+01	2.71E+00	4.91E-01	1.95E+01	2.64E+00	1.57E-03	2.97E-02	1.44E-02	2.68E+00
990	490186.72	3861185.12	2.48E+00	1.29E-03	3.04E-02	1.41E-02	2.52E+00	2.58E+00	1.32E+01	2.77E+00	4.83E-01	1.91E+01	2.58E+00	1.51E-03	3.04E-02	1.41E-02	2.62E+00
991	490236.72	3861185.12	2.44E+00	1.25E-03	3.11E-02	1.39E-02	2.49E+00	2.55E+00	1.27E+01	2.84E+00	4.74E-01	1.86E+01	2.55E+00	1.46E-03	3.11E-02	1.39E-02	2.59E+00
992	490286.72	3861185.12	2.45E+00	1.20E-03	3.19E-02	1.38E-02	2.50E+00	2.56E+00	1.23E+01	2.91E+00	4.71E-01	1.82E+01	2.55E+00	1.41E-03	3.19E-02	1.38E-02	2.60E+00
993	490336.72	3861185.12	2.47E+00	1.16E-03	3.23E-02	1.36E-02	2.52E+00	2.58E+00	1.19E+01	2.94E+00	4.67E-01	1.79E+01	2.58E+00	1.36E-03	3.23E-02	1.36E-02	2.62E+00
994	490386.72	3861185.12	2.50E+00	1.13E-03	3.31E-02	1.36E-02	2.55E+00	2.61E+00	1.16E+01	3.02E+00	4.64E-01	1.76E+01	2.60E+00	1.32E-03	3.31E-02	1.36E-02	2.65E+00
995	490436.72	3861185.12	2.51E+00	1.10E-03	3.50E-02	1.34E-02	2.55E+00	2.61E+00	1.12E+01	3.19E+00	4.59E-01	1.75E+01	2.61E+00	1.29E-03	3.50E-02	1.34E-02	2.66E+00
996	490486.72	3861185.12	2.48E+00	1.07E-03	3.65E-02	1.32E-02	2.53E+00	2.59E+00	1.09E+01	3.33E+00	4.51E-01	1.73E+01	2.58E+00	1.25E-03	3.65E-02	1.32E-02	2.63E+00
997	490536.72	3861185.12	2.46E+00	1.04E-03	3.79E-02	1.30E-02	2.51E+00	2.57E+00	1.07E+01	3.45E+00	4.43E-01	1.71E+01	2.56E+00	1.22E-03	3.79E-02	1.30E-02	2.62E+00
998	490586.72	3861185.12	2.45E+00	1.02E-03	3.86E-02	1.27E-02	2.50E+00	2.55E+00	1.04E+01	3.52E+00	4.34E-01	1.69E+01	2.55E+00	1.19E-03	3.86E-02	1.27E-02	2.60E+00
999	490636.72	3861185.12	2.49E+00	1.00E-03	3.90E-02	1.24E-02	2.54E+00	2.60E+00	1.02E+01	3.56E+00	4.23E-01	1.68E+01	2.59E+00	1.17E-03	3.90E-02	1.24E-02	2.64E+00
1000	490686.72	3861185.12	2.53E+00	9.83E-04	3.92E-02	1.20E-02	2.59E+00	2.64E+00	1.00E+01	3.58E+00	4.11E-01	1.67E+01	2.64E+00	1.15E-03	3.92E-02	1.20E-02	2.69E+00
1001	490736.72	3861185.12	2.56E+00	9.69E-04	3.92E-02	1.17E-02	2.62E+00	2.67E+00	9.90E+00	3.58E+00	4.01E-01	1.65E+01	2.67E+00	1.13E-03	3.92E-02	1.17E-02	2.72E+00
1002	490786.72	3861185.12	2.57E+00	9.54E-04	3.90E-02	1.14E-02	2.62E+00	2.68E+00	9.75E+00	3.56E+00	3.90E-01	1.64E+01	2.67E+00	1.12E-03	3.90E-02	1.14E-02	2.73E+00
1003	490836.72	3861185.12	2.56E+00	9.40E-04	3.93E-02	1.11E-02	2.61E+00	2.67E+00	9.60E+00	3.58E+00	3.81E-01	1.62E+01	2.67E+00	1.10E-03	3.93E-02	1.11E-02	2.72E+00
1004	490086.72	3861235.12	2.60E+00	1.40E-03	2.85E-02	1.50E-02	2.65E+00	2.71E+00	1.43E+01	2.60E+00	5.15E-01	2.02E+01	2.71E+00	1.64E-03	2.85E-02	1.50E-02	2.75E+00
1005	490136.72	3861235.12	2.55E+00	1.36E-03	2.90E-02	1.45E-02	2.59E+00	2.66E+00	1.39E+01	2.64E+00	4.95E-01	1.97E+01	2.66E+00	1.59E-03	2.90E-02	1.45E-02	2.70E+00
1006	490186.72	3861235.12	2.49E+00	1.32E-03	2.98E-02	1.43E-02	2.54E+00	2.60E+00	1.35E+01	2.72E+00	4.89E-01	1.93E+01	2.60E+00	1.54E-03	2.98E-02	1.43E-02	2.64E+00
1007	490236.72	3861235.12	2.43E+00	1.28E-03	3.03E-02	1.40E-02	2.47E+00	2.53E+00	1.31E+01	2.76E+00	4.80E-01	1.88E+01	2.53E+00	1.50E-03	3.03E-02	1.40E-02	2.58E+00
1008	490386.72	3861235.12	2.44E+00	1.15E-03	3.21E-02	1.33E-02	2.49E+00	2.55E+00	1.18E+01	2.93E+00	4.56E-01	1.77E+01	2.54E+00	1.35E-03	3.21E-02	1.33E-02	2.59E+00
1009	490436.72	3861235.12	2.46E+00	1.12E-03	3.33E-02	1.33E-02	2.51E+00	2.57E+00	1.15E+01	3.04E+00	4.54E-01	1.75E+01	2.56E+00	1.31E-03	3.33E-02	1.33E-02	2.61E+00
1010	490486.72	3861235.12	2.46E+00	1.09E-03	3.50E-02	1.31E-02	2.51E+00	2.57E+00	1.11E+01	3.20E+00	4.49E-01	1.74E+01	2.57E+00	1.28E-03	3.50E-02	1.31E-02	2.62E+00
1011	490536.72	3861235.12	2.45E+00	1.06E-03	3.66E-02	1.30E-02	2.50E+00	2.55E+00	1.09E+01	3.34E+00	4.45E-01	1.72E+01	2.55E+00	1.25E-03	3.66E-02	1.30E-02	2.60E+00
1012	490586.72	3861235.12	2.43E+00	1.04E-03	3.78E-02	1.28E-02	2.48E+00	2.53E+00	1.06E+01	3.45E+00	4.38E-01	1.70E+01	2.53E+00	1.21E-03	3.78E-02	1.28E-02	2.58E+00
1013	490636.72	3861235.12	2.41E+00	1.01E-03	3.84E-02	1.24E-02	2.46E+00	2.51E+00	1.03E+01	3.50E+00	4.26E-01	1.68E+01	2.51E+00	1.18E-03	3.84E-02	1.24E-02	2.56E+00
1014	490686.72	3861235.12	2.46E+00	9.91E-04	3.88E-02	1.21E-02	2.51E+00	2.56E+00	1.01E+01	3.54E+00	4.16E-01	1.66E+01	2.56E+00	1.16E-03	3.88E-02	1.21E-02	2.61E+00
1015	490736.72	3861235.12	2.51E+00	9.76E-04	3.90E-02	1.19E-02	2.56E+00	2.61E+00	9.97E+00	3.56E+00	4.06E-01	1.65E+01	2.61E+00	1.14E-03	3.90E-02	1.19E-02	2.66E+00
1016	490786.72	3861235.12	2.53E+00	9.62E-04	3.89E-02	1.16E-02	2.58E+00	2.64E+00	9.83E+00	3.55E+00	3.98E-01	1.64E+01	2.64E+00	1.13E-03	3.89E-02	1.16E-02	2.69E+00
1017	490836.72	3861235.12	2.53E+00	9.47E-04	3.87E-02	1.14E-02	2.58E+00	2.64E+00	9.68E+00	3.53E+00	3.89E-01	1.62E+01	2.64E+00	1.11E-03	3.87E-02	1.14E-02	2.69E+00
1018	490086.72	3861285.12	2.61E+00	1.42E-03	2.79E-02	1.55E-02	2.65E+00	2.72E+00	1.45E+01	2.55E+00	5.31E-01	2.03E+01	2.71E+00	1.66E-03	2.79E-02	1.55E-02	2.76E+00
1019	490136.72	3861285.12	2.57E+00	1.38E-03	2.85E-02	1.50E-02	2.61E+00	2.68E+00	1.41E+01	2.60E+00	5.14E-01	1.99E+01	2.67E+00	1.62E-03	2.85E-02	1.50E-02	2.72E+00
1020	490186.72	3861285.12	2.51E+00	1.34E-03	2.91E-02	1.44E-02	2.55E+00	2.62E+00	1.37E+01	2.65E+00	4.94E-01	1.95E+01	2.61E+00	1.57E-03	2.91E-02	1.44E-02	2.66E+00
1021	490236.72	3861285.12	2.45E+00	1.30E-03	2.98E-02	1.42E-02	2.50E+00	2.56E+00	1.33E+01	2.71E+00	4.87E-01	1.90E+01	2.55E+00	1.52E-03	2.98E-02	1.42E-02	2.60E+00
1022	490386.72	3861285.12	2.39E+00	1.18E-03	3.16E-02	1.34E-02	2.43E+00	2.49E+00	1.21E+01	2.88E+00	4.60E-01	1.79E+01	2.48E+00	1.38E-03	3.16E-02	1.34E-02	2.53E+00
1023	490436.72	3861285.12	2.41E+00	1.15E-03	3.22E-02	1.31E-02	2.46E+00	2.52E+00	1.17E+01	2.93E+00	4.50E-01	1.76E+01	2.51E+00	1.34E-03	3.22E-02	1.31E-02	2.56E+00
1024	490486.72	3861285.12	2.43E+00	1.11E-03	3.36E-02	1.30E-02	2.48E+00	2.54E+00	1.14E+01	3.06E+00	4.45E-01	1.74E+01	2.53E+00	1.30E-03	3.36E-02	1.30E-02	2.58E+00
1025	490536.72	3861285.12	2.43E+00	1.08E-03	3.52E-02	1.29E-02	2.48E+00	2.54E+00	1.11E+01	3.21E+00	4.42E-01	1.73E+01	2.53E+00	1.27E-03	3.52E-02	1.29E-02	2.58E+00
1026	490586.72	3861285.12	2.41E+00	1.06E-03	3.66E-02	1.28E-02	2.46E+00	2.51E+00	1.08E+01	3.34E+00	4.37E-01	1.71E+01	2.50E+00	1.24E-03	3.66E-02	1.28E-02	2.56E+00
1027	490636.72	3861285.12	2.38E+00	1.03E-03	3.75E-02	1.25E-02	2.43E+00	2.48E+00	1.05E+01	3.42E+00	4.29E-01	1.68E+01	2.48E+00	1.20E-03	3.75E-02	1.25E-02	2.53E+00
1028	490686.72	3861285.12	2.38E+00	1.00E-03	3.81E-02	1.23E-02	2.43E+00	2.48E+00	1.03E+01	3.48E+00	4.21E-01	1.66E+01	2.47E+00	1.17E-03	3.81E-02	1.23E-02	2.53E+00
1029	490736.72	3861285.12	2.43E+00	9.84E-04	3.86E-02	1.21E-02	2.48E+00	2.54E+00	1.01E+01	3.52E+00	4.13E-01	1.65E+01	2.53E+00	1.15E-03	3.86E-02	1.21E-02	2.58E+00
1030	490786.72	3861285.12	2.47E+00	9.68E-04	3.87E-02	1.18E-02	2.53E+00	2.58E+00	9.89E+00	3.53E+00	4.05E-01	1.64E+01	2.58E+00	1.13E-03	3.87E-02	1.18E-02	2.63E+00
1031	490836.72	3861285.12	2.49E+00	9.53E-04	3.85E-02	1.16E-02	2.54E+00	2.60E+00	9.73E+00	3.51E+00	3.96E-01	1.62E+01	2.60E+00	1.11E-03	3.85E-02	1.16E-02	2.65E+00
1032	490061.24	3859716.13	2.89E+00	1.03E-03	5.64E-02	1.14E-02	2.96E+00	3.02E+00	1.05E+01	5.15E+00	3.88E-01	1.91E+01	3.01E+00	1.20E-03	5.64E-02	1.14E-02	3.08E+00
1033	490111.24	3859716.13	2.87E+00	9.84E-04	5.49E-02	1.13E-02	2.94E+00	2.99E+00	1.00E+01	5.01E+00	3.87E-01	1.84E+01	2.99E+00	1.15E-03	5.49E-02	1.13E-02	3.06E+00

1034	490161.24	3859716.13	2.84E+00	9.45E-04	5.38E-02	1.13E-02	2.91E+00	2.97E+00	9.66E+00	4.91E+00	3.86E-01	1.79E+01	2.96E+00	1.11E-03	5.38E-02	1.13E-02	3.03E+00
1035	490211.24	3859716.13	2.82E+00	9.15E-04	5.29E-02	1.12E-02	2.88E+00	2.94E+00	9.35E+00	4.82E+00	3.84E-01	1.75E+01	2.94E+00	1.07E-03	5.29E-02	1.12E-02	3.00E+00
1036	490061.24	3859766.13	2.91E+00	1.09E-03	5.72E-02	1.20E-02	2.98E+00	3.04E+00	1.12E+01	5.21E+00	4.11E-01	1.98E+01	3.03E+00	1.28E-03	5.72E-02	1.20E-02	3.10E+00
1037	490111.24	3859766.13	2.90E+00	1.04E-03	5.63E-02	1.19E-02	2.96E+00	3.02E+00	1.07E+01	5.14E+00	4.08E-01	1.92E+01	3.02E+00	1.22E-03	5.63E-02	1.19E-02	3.08E+00
1038	490161.24	3859766.13	2.88E+00	9.82E-04	5.48E-02	1.18E-02	2.95E+00	3.00E+00	1.00E+01	5.00E+00	4.05E-01	1.84E+01	3.00E+00	1.15E-03	5.48E-02	1.18E-02	3.07E+00
1039	490211.24	3859766.13	2.86E+00	9.45E-04	5.34E-02	1.18E-02	2.92E+00	2.98E+00	9.66E+00	4.87E+00	4.02E-01	1.79E+01	2.98E+00	1.11E-03	5.34E-02	1.18E-02	3.04E+00
1040	490061.24	3859816.13	2.90E+00	1.15E-03	5.68E-02	1.30E-02	2.98E+00	3.03E+00	1.18E+01	5.18E+00	4.46E-01	2.04E+01	3.02E+00	1.35E-03	5.68E-02	1.30E-02	3.10E+00
1041	490111.24	3859816.13	2.90E+00	1.08E-03	5.67E-02	1.29E-02	2.97E+00	3.03E+00	1.10E+01	5.18E+00	4.40E-01	1.97E+01	3.02E+00	1.26E-03	5.67E-02	1.29E-02	3.09E+00
1042	490161.24	3859816.13	2.89E+00	1.04E-03	5.60E-02	1.27E-02	2.96E+00	3.02E+00	1.06E+01	5.11E+00	4.35E-01	1.92E+01	3.01E+00	1.21E-03	5.60E-02	1.27E-02	3.08E+00
1043	490211.24	3859816.13	2.88E+00	9.95E-04	5.47E-02	1.25E-02	2.95E+00	3.01E+00	1.02E+01	4.99E+00	4.29E-01	1.86E+01	3.00E+00	1.16E-03	5.47E-02	1.25E-02	3.07E+00
1044	490061.24	3859866.13	2.92E+00	1.17E-03	5.55E-02	1.47E-02	2.99E+00	3.05E+00	1.20E+01	5.06E+00	5.01E-01	2.06E+01	3.04E+00	1.37E-03	5.55E-02	1.47E-02	3.11E+00
1045	490111.24	3859866.13	2.89E+00	1.13E-03	5.63E-02	1.43E-02	2.96E+00	3.01E+00	1.16E+01	5.14E+00	4.90E-01	2.02E+01	3.01E+00	1.33E-03	5.63E-02	1.43E-02	3.08E+00
1046	490161.24	3859866.13	2.89E+00	1.09E-03	5.64E-02	1.40E-02	2.96E+00	3.02E+00	1.12E+01	5.15E+00	4.79E-01	1.98E+01	3.01E+00	1.28E-03	5.64E-02	1.40E-02	3.08E+00
1047	490211.24	3859866.13	2.88E+00	1.05E-03	5.58E-02	1.37E-02	2.95E+00	3.01E+00	1.07E+01	5.09E+00	4.68E-01	1.93E+01	3.00E+00	1.23E-03	5.58E-02	1.37E-02	3.07E+00
1048	490061.24	3859916.13	2.96E+00	1.21E-03	5.39E-02	1.67E-02	3.03E+00	3.09E+00	1.24E+01	4.91E+00	5.70E-01	2.10E+01	3.08E+00	1.42E-03	5.39E-02	1.67E-02	3.16E+00
1049	490111.24	3859916.13	2.91E+00	1.18E-03	5.50E-02	1.63E-02	2.98E+00	3.04E+00	1.20E+01	5.02E+00	5.57E-01	2.06E+01	3.03E+00	1.38E-03	5.50E-02	1.63E-02	3.10E+00
1050	490161.24	3859916.13	2.87E+00	1.14E-03	5.59E-02	1.59E-02	2.94E+00	3.00E+00	1.17E+01	5.10E+00	5.43E-01	2.03E+01	2.99E+00	1.33E-03	5.59E-02	1.59E-02	3.06E+00
1051	490211.24	3859916.13	2.88E+00	1.10E-03	5.60E-02	1.55E-02	2.95E+00	3.00E+00	1.13E+01	5.11E+00	5.30E-01	1.99E+01	3.00E+00	1.29E-03	5.60E-02	1.55E-02	3.07E+00
1052	490229.25	3859815.26	2.88E+00	9.81E-04	5.41E-02	1.25E-02	2.94E+00	3.00E+00	1.00E+01	4.93E+00	4.27E-01	1.84E+01	3.00E+00	1.15E-03	5.41E-02	1.25E-02	3.06E+00
1053	490279.25	3859815.26	2.86E+00	9.44E-04	5.27E-02	1.23E-02	2.93E+00	2.98E+00	9.64E+00	4.81E+00	4.22E-01	1.79E+01	2.98E+00	1.10E-03	5.27E-02	1.23E-02	3.04E+00
1054	490329.25	3859815.26	2.84E+00	9.11E-04	5.18E-02	1.22E-02	2.91E+00	2.97E+00	9.31E+00	4.72E+00	4.16E-01	1.74E+01	2.96E+00	1.07E-03	5.18E-02	1.22E-02	3.02E+00
1055	490379.25	3859815.26	2.83E+00	8.78E-04	5.08E-02	1.20E-02	2.90E+00	2.95E+00	8.97E+00	4.63E+00	4.12E-01	1.70E+01	2.95E+00	1.03E-03	5.08E-02	1.20E-02	3.01E+00
1056	490429.25	3859815.26	2.81E+00	8.54E-04	4.97E-02	1.19E-02	2.88E+00	2.94E+00	8.73E+00	4.54E+00	4.08E-01	1.66E+01	2.93E+00	9.99E-04	4.97E-02	1.19E-02	2.99E+00
1057	490229.25	3859865.26	2.88E+00	1.04E-03	5.54E-02	1.35E-02	2.95E+00	3.01E+00	1.06E+01	5.05E+00	4.63E-01	1.91E+01	3.00E+00	1.21E-03	5.54E-02	1.35E-02	3.07E+00
1058	490279.25	3859865.26	2.87E+00	9.94E-04	5.39E-02	1.32E-02	2.94E+00	3.00E+00	1.02E+01	4.91E+00	4.53E-01	1.85E+01	2.99E+00	1.16E-03	5.39E-02	1.32E-02	3.06E+00
1059	490329.25	3859865.26	2.86E+00	9.56E-04	5.23E-02	1.30E-02	2.93E+00	2.98E+00	9.76E+00	4.77E+00	4.44E-01	1.80E+01	2.98E+00	1.12E-03	5.23E-02	1.30E-02	3.04E+00
1060	490379.25	3859865.26	2.85E+00	9.21E-04	5.15E-02	1.28E-02	2.91E+00	2.97E+00	9.41E+00	4.70E+00	4.37E-01	1.75E+01	2.96E+00	1.08E-03	5.15E-02	1.28E-02	3.03E+00
1061	490429.25	3859865.26	2.83E+00	8.90E-04	5.05E-02	1.26E-02	2.90E+00	2.96E+00	9.09E+00	4.61E+00	4.32E-01	1.71E+01	2.95E+00	1.04E-03	5.05E-02	1.26E-02	3.02E+00
1062	490229.25	3859915.26	2.88E+00	1.09E-03	5.59E-02	1.53E-02	2.95E+00	3.00E+00	1.11E+01	5.10E+00	5.25E-01	1.97E+01	2.99E+00	1.27E-03	5.59E-02	1.53E-02	3.07E+00
1063	490279.25	3859915.26	2.87E+00	1.05E-03	5.49E-02	1.50E-02	2.94E+00	2.99E+00	1.07E+01	5.01E+00	5.12E-01	1.92E+01	2.99E+00	1.23E-03	5.49E-02	1.50E-02	3.06E+00
1064	490329.25	3859915.26	2.87E+00	1.01E-03	5.36E-02	1.46E-02	2.94E+00	2.99E+00	1.03E+01	4.88E+00	5.00E-01	1.87E+01	2.99E+00	1.18E-03	5.36E-02	1.46E-02	3.05E+00
1065	490379.25	3859915.26	2.86E+00	9.70E-04	5.19E-02	1.43E-02	2.92E+00	2.98E+00	9.91E+00	4.73E+00	4.88E-01	1.81E+01	2.97E+00	1.13E-03	5.19E-02	1.43E-02	3.04E+00
1066	490429.25	3859915.26	2.84E+00	9.32E-04	5.10E-02	1.40E-02	2.91E+00	2.97E+00	9.52E+00	4.65E+00	4.78E-01	1.76E+01	2.96E+00	1.09E-03	5.10E-02	1.40E-02	3.03E+00
1067	490451.43	3859872.59	2.83E+00	8.83E-04	5.01E-02	1.26E-02	2.90E+00	2.96E+00	9.02E+00	4.57E+00	4.33E-01	1.70E+01	2.95E+00	1.03E-03	5.01E-02	1.26E-02	3.01E+00
1068	490501.43	3859872.59	2.82E+00	8.53E-04	4.90E-02	1.25E-02	2.88E+00	2.94E+00	8.71E+00	4.47E+00	4.27E-01	1.65E+01	2.93E+00	9.98E-04	4.90E-02	1.25E-02	3.00E+00
1069	490551.43	3859872.59	2.78E+00	8.30E-04	4.89E-02	1.23E-02	2.84E+00	2.90E+00	8.48E+00	4.46E+00	4.21E-01	1.63E+01	2.90E+00	9.71E-04	4.89E-02	1.23E-02	2.96E+00
1070	490601.43	3859872.59	2.73E+00	8.17E-04	4.88E-02	1.22E-02	2.80E+00	2.85E+00	8.35E+00	4.45E+00	4.16E-01	1.61E+01	2.85E+00	9.56E-04	4.88E-02	1.22E-02	2.91E+00
1071	490451.43	3859922.59	2.84E+00	9.23E-04	5.07E-02	1.40E-02	2.90E+00	2.96E+00	9.43E+00	4.62E+00	4.80E-01	1.75E+01	2.95E+00	1.08E-03	5.07E-02	1.40E-02	3.02E+00
1072	490501.43	3859922.59	2.83E+00	8.92E-04	4.97E-02	1.37E-02	2.89E+00	2.95E+00	9.11E+00	4.53E+00	4.70E-01	1.71E+01	2.95E+00	1.04E-03	4.97E-02	1.37E-02	3.01E+00
1073	490551.43	3859922.59	2.82E+00	8.63E-04	4.88E-02	1.34E-02	2.88E+00	2.94E+00	8.82E+00	4.45E+00	4.60E-01	1.67E+01	2.94E+00	1.01E-03	4.88E-02	1.34E-02	3.00E+00
1074	490601.43	3859922.59	2.79E+00	8.34E-04	4.82E-02	1.32E-02	2.85E+00	2.91E+00	8.53E+00	4.40E+00	4.51E-01	1.63E+01	2.91E+00	9.76E-04	4.82E-02	1.32E-02	2.97E+00
1075	482129.67	3852241.07	4.23E+00	4.48E-04	1.28E-02	6.27E-03	4.25E+00	4.42E+00	4.58E+00	1.16E+00	2.14E-01	1.04E+01	4.41E+00	5.24E-04	1.28E-02	6.27E-03	4.43E+00
1076	482029.67	3852291.07	4.20E+00	4.52E-04	1.35E-02	6.14E-03	4.22E+00	4.38E+00	4.62E+00	1.23E+00	2.10E-01	1.04E+01	4.37E+00	5.29E-04	1.35E-02	6.14E-03	4.39E+00
1077	482079.67	3852291.07	4.23E+00	4.60E-04	1.33E-02	6.19E-03	4.25E+00	4.42E+00	4.70E+00	1.21E+00	2.12E-01	1.05E+01	4.41E+00	5.38E-04	1.33E-02	6.19E-03	4.43E+00
1078	482129.67	3852291.07	4.27E+00	4.58E-04	1.31E-02	6.26E-03	4.29E+00	4.45E+00	4.67E+00	1.19E+00	2.14E-01	1.05E+01	4.44E+00	5.35E-04	1.31E-02	6.26E-03	4.46E+00
1079	482179.67	3852291.07	4.28E+00	4.51E-04	1.29E-02	6.37E-03	4.30E+00	4.47E+00	4.61E+00	1.17E+00	2.18E-01	1.05E+01	4.46E+00	5.28E-04	1.29E-02	6.37E-03	4.48E+00
1080	482229.67	3852291.07	4.42E+00	4.35E-04	1.26E-02	6.61E-03	4.44E+00	4.61E+00	4.44E+00	1.15E+00	2.26E-01	1.04E+01	4.60E+00	5.09E-04	1.26E-02	6.61E-03	4.62E+00
1081	482029.67	3852341.07	4.12E+00	4.49E-04	1.38E-02	6.10E-03	4.14E+00	4.30E+00	4.59E+00	1.26E+00	2.09E-01	1.04E+01	4.29E+00	5.26E-04	1.38E-02	6.10E-03	4.31E+00
1082	482079.67	3852341.07	4.25E+00	4.63E-04	1.36E-02	6.17E-03	4.27E+00	4.43E+00	4.73E+00	1.24E+00	2.11E-01	1.06E+01	4.42E+00	5.42E-04	1.36E-02	6.17E-03	4.44E+00
1083	482129.67	3852341.07	4.28E+00	4.67E-04	1.34E-02	6.22E-03	4.30E+00	4.46E+00	4.77E+00	1.22E+00	2.13E-01	1.07E+01	4.45E+00	5.46E-04	1.34E-02	6.22E-03	4.47E+00
1084	482179.67	3852341.07	4.32E+00	4.64E-04	1.32E-02	6.31E-03	4.34E+00	4.50E+00	4.74E+00	1.20E+00	2.16E-01	1.07E+01	4.49E+00	5.43E-04	1.32E-02	6.31E-03	4.51E+00
1085	482259.06	3852400.14	4.35E+00	4.80E-04	1.32E-02	6.24E-03	4.37E+00	4.54E+00	4.90E+00	1.21E+00	2.13E-01	1.09E+01	4.53E+00	5.61E-04	1.32E-02	6.24E-03	4.55E+00
1086	482309.06	3852400.14	4.46E+00	4.54E-04	1.30E-02	6.64E-03	4.48E+00	4.65E+00	4.64E+00	1.19E+00	2.27E-01	1.07E+01	4.64E+00	5.31E-04	1.30E-02	6.64E-03	4.66E+00
1087	482209.06	3852450.14	4.35E+00	4.91E-04	1.38E-02	6.14E-03	4.37E+00	4.54E+00	5.01E+00	1.26E+00	2.10E-01	1.10E+01	4.53E+00	5.74E-04	1.38E-02	6.14E-03	4.55E+00
1088	482259.06	3852450.14	4.37E+00	4.90E-04	1.36E-02	6.25E-03	4.39E+00	4.56E+00	5.01E+00	1.24E+00	2.14E-01	1.10E+01	4.55E+00	5.73E-04	1.36E-02	6.25E-03	4.57E+00
1089	482309.06	3852450.14	4.41E+00	4.72E-04	1.34E-02	6.60E-03	4.43E+00	4.60E+00	4.82E+00	1.22E+00	2.26E-01	1.09E+01	4.59E+00	5.52E-04	1.34E-02	6.60E-03	4.61E+00
1090	482209.06	3852500.14	4.36E+00	4.90E-04	1.41E-02	6.17E-03	4.38E+00	4.55E+00	5.00E+00	1.28E+00	2.11E-01	1.10E+01	4.54E+00	5.73E-04	1.41E-02	6.17E-03	4.56E+00
1091	482259.06	3852500.14	4.40E+00	4.96E-04	1.39E-02	6.28E-03	4.42E+00	4.59E+00	5.07E+00	1.27E+00	2.15E-01	1.11E+01	4.58E+00	5.80E-04	1.39E-02	6.28E-03	4.60E+00
1092	482309.06	3852500.14	4.42E+00	4.88E-04	1.37E-02	6.58E-03	4.44E+00	4.61E+00	4.98E+00	1.25E+00	2.25E-01	1.11E+01	4.60E+00	5.71E-04	1.37E-02	6.58E-03	4.62E+00
1093	482283.91	3852513.62	4.41E+00	4.97E-04	1.39E-02	6.43E-03	4.43E+00	4.60E+00	5.08E+00	1.27E+00	2.20E-01	1.12E+01	4.59E+00	5.82E-04	1.39E-02	6.43E-03	4.62E+00
1094	482333.91	3852513.62	4.44E+00	4.85E-04	1.37E-02	6.66E-03	4.46E+00	4.63E+00	4.96E+00	1.25E+00	2.28E-01	1.11E+01	4.62E+00	5.68E-04	1.37E-02	6.66E-03	4.65E+00

1095	482283.91	3852563.62	4.45E+00	5.06E-04	1.42E-02	6.41E-03	4.47E+00	4.64E+00	5.17E+00	1.29E+00	2.19E-01	1.13E+01	4.63E+00	5.92E-04	1.42E-02	6.41E-03	4.65E+00
1096	482333.91	3852563.62	4.46E+00	5.04E-04	1.40E-02	6.64E-03	4.48E+00	4.65E+00	5.15E+00	1.28E+00	2.27E-01	1.13E+01	4.64E+00	5.90E-04	1.40E-02	6.64E-03	4.67E+00
1097	482383.91	3852563.62	4.48E+00	4.95E-04	1.38E-02	6.72E-03	4.50E+00	4.68E+00	5.06E+00	1.26E+00	2.30E-01	1.12E+01	4.67E+00	5.80E-04	1.38E-02	6.72E-03	4.69E+00
1098	482283.91	3852613.62	4.35E+00	5.00E-04	1.45E-02	6.47E-03	4.38E+00	4.54E+00	5.11E+00	1.32E+00	2.21E-01	1.12E+01	4.53E+00	5.85E-04	1.45E-02	6.47E-03	4.56E+00
1099	482333.91	3852613.62	4.50E+00	5.13E-04	1.43E-02	6.70E-03	4.52E+00	4.70E+00	5.24E+00	1.31E+00	2.29E-01	1.15E+01	4.69E+00	6.00E-04	1.43E-02	6.70E-03	4.71E+00
1100	482383.91	3852613.62	4.51E+00	5.12E-04	1.41E-02	6.79E-03	4.53E+00	4.70E+00	5.23E+00	1.29E+00	2.32E-01	1.15E+01	4.69E+00	5.99E-04	1.41E-02	6.79E-03	4.71E+00
1101	482602.38	3852600.87	4.83E+00	4.10E-04	1.30E-02	6.70E-03	4.85E+00	5.04E+00	4.19E+00	1.18E+00	2.29E-01	1.06E+01	5.03E+00	4.79E-04	1.30E-02	6.70E-03	5.05E+00
1102	482652.38	3852600.87	4.83E+00	3.95E-04	1.27E-02	6.77E-03	4.85E+00	5.04E+00	4.04E+00	1.16E+00	2.32E-01	1.05E+01	5.03E+00	4.63E-04	1.27E-02	6.77E-03	5.05E+00
1103	482702.38	3852600.87	4.80E+00	3.73E-04	1.24E-02	7.01E-03	4.82E+00	5.00E+00	3.81E+00	1.13E+00	2.40E-01	1.02E+01	4.99E+00	4.36E-04	1.24E-02	7.01E-03	5.01E+00
1104	482552.38	3852650.87	4.70E+00	4.53E-04	1.36E-02	6.55E-03	4.72E+00	4.90E+00	4.62E+00	1.24E+00	2.24E-01	1.10E+01	4.89E+00	5.29E-04	1.36E-02	6.55E-03	4.91E+00
1105	482602.38	3852650.87	4.82E+00	4.32E-04	1.33E-02	6.63E-03	4.84E+00	5.03E+00	4.41E+00	1.22E+00	2.27E-01	1.09E+01	5.02E+00	5.05E-04	1.33E-02	6.63E-03	5.04E+00
1106	482652.38	3852650.87	4.87E+00	4.13E-04	1.31E-02	6.70E-03	4.89E+00	5.08E+00	4.22E+00	1.19E+00	2.29E-01	1.07E+01	5.07E+00	4.83E-04	1.31E-02	6.70E-03	5.09E+00
1107	482702.38	3852650.87	4.87E+00	4.00E-04	1.28E-02	6.69E-03	4.89E+00	5.08E+00	4.08E+00	1.17E+00	2.29E-01	1.06E+01	5.07E+00	4.68E-04	1.28E-02	6.69E-03	5.09E+00
1108	482552.38	3852700.87	4.63E+00	4.70E-04	1.40E-02	6.61E-03	4.65E+00	4.83E+00	4.80E+00	1.27E+00	2.26E-01	1.11E+01	4.82E+00	5.50E-04	1.40E-02	6.61E-03	4.84E+00
1109	482602.38	3852700.87	4.74E+00	4.54E-04	1.37E-02	6.60E-03	4.76E+00	4.95E+00	4.64E+00	1.25E+00	2.26E-01	1.11E+01	4.94E+00	5.31E-04	1.37E-02	6.60E-03	4.96E+00
1110	482652.38	3852700.87	4.84E+00	4.44E-04	1.35E-02	6.63E-03	4.86E+00	5.05E+00	4.54E+00	1.23E+00	2.27E-01	1.10E+01	5.04E+00	5.19E-04	1.35E-02	6.63E-03	5.06E+00
1111	482702.38	3852700.87	4.90E+00	4.20E-04	1.32E-02	6.66E-03	4.92E+00	5.11E+00	4.29E+00	1.20E+00	2.28E-01	1.08E+01	5.10E+00	4.91E-04	1.32E-02	6.66E-03	5.12E+00
1112	482452.38	3852750.87	4.64E+00	5.23E-04	1.47E-02	7.24E-03	4.67E+00	4.84E+00	5.35E+00	1.34E+00	2.48E-01	1.18E+01	4.83E+00	6.12E-04	1.47E-02	7.24E-03	4.86E+00
1113	482521.29	3852749.74	4.65E+00	5.02E-04	1.44E-02	6.90E-03	4.67E+00	4.85E+00	5.13E+00	1.32E+00	2.36E-01	1.15E+01	4.84E+00	5.88E-04	1.44E-02	6.90E-03	4.86E+00
1114	482571.29	3852749.74	4.66E+00	4.82E-04	1.42E-02	6.58E-03	4.68E+00	4.87E+00	4.93E+00	1.30E+00	2.25E-01	1.13E+01	4.86E+00	5.64E-04	1.42E-02	6.58E-03	4.88E+00
1115	482521.29	3852799.74	4.70E+00	5.20E-04	1.48E-02	7.07E-03	4.72E+00	4.90E+00	5.31E+00	1.35E+00	2.42E-01	1.18E+01	4.89E+00	6.08E-04	1.48E-02	7.07E-03	4.92E+00
1116	482571.29	3852799.74	4.69E+00	5.00E-04	1.46E-02	6.72E-03	4.71E+00	4.89E+00	5.11E+00	1.33E+00	2.30E-01	1.16E+01	4.88E+00	5.85E-04	1.46E-02	6.72E-03	4.90E+00
1117	482621.29	3852799.74	4.71E+00	4.83E-04	1.43E-02	6.66E-03	4.73E+00	4.91E+00	4.93E+00	1.31E+00	2.28E-01	1.14E+01	4.90E+00	5.65E-04	1.43E-02	6.66E-03	4.92E+00
1118	482571.29	3852849.74	4.75E+00	5.14E-04	1.49E-02	6.95E-03	4.77E+00	4.95E+00	5.26E+00	1.36E+00	2.38E-01	1.18E+01	4.94E+00	6.02E-04	1.49E-02	6.95E-03	4.96E+00
1119	482621.29	3852849.74	4.74E+00	4.93E-04	1.47E-02	6.72E-03	4.76E+00	4.94E+00	5.03E+00	1.34E+00	2.30E-01	1.15E+01	4.93E+00	5.76E-04	1.47E-02	6.72E-03	4.95E+00
1120	482577.42	3852901.55	4.79E+00	5.23E-04	1.52E-02	7.20E-03	4.81E+00	4.99E+00	5.34E+00	1.39E+00	2.46E-01	1.20E+01	4.98E+00	6.11E-04	1.52E-02	7.20E-03	5.01E+00
1121	482627.42	3852901.55	4.80E+00	4.99E-04	1.50E-02	6.85E-03	4.82E+00	5.01E+00	5.10E+00	1.37E+00	2.34E-01	1.17E+01	5.00E+00	5.84E-04	1.50E-02	6.85E-03	5.02E+00
1122	482629.96	3852955.85	4.84E+00	5.14E-04	1.53E-02	7.06E-03	4.87E+00	5.05E+00	5.25E+00	1.40E+00	2.41E-01	1.19E+01	5.04E+00	6.01E-04	1.53E-02	7.06E-03	5.07E+00
1123	482679.96	3852955.85	4.85E+00	4.93E-04	1.52E-02	7.03E-03	4.87E+00	5.06E+00	5.04E+00	1.38E+00	2.41E-01	1.17E+01	5.05E+00	5.77E-04	1.52E-02	7.03E-03	5.08E+00
1124	482781.63	3853034.48	4.92E+00	4.72E-04	1.53E-02	7.27E-03	4.95E+00	5.14E+00	4.82E+00	1.39E+00	2.49E-01	1.16E+01	5.13E+00	5.52E-04	1.53E-02	7.27E-03	5.15E+00
1125	482831.63	3853034.48	4.96E+00	4.54E-04	1.51E-02	7.07E-03	4.98E+00	5.17E+00	4.63E+00	1.37E+00	2.42E-01	1.14E+01	5.16E+00	5.31E-04	1.51E-02	7.07E-03	5.19E+00
1126	482881.63	3853034.48	5.01E+00	4.40E-04	1.48E-02	6.75E-03	5.03E+00	5.22E+00	4.50E+00	1.35E+00	2.31E-01	1.13E+01	5.21E+00	5.15E-04	1.48E-02	6.75E-03	5.24E+00
1127	482781.63	3853084.48	4.99E+00	4.84E-04	1.56E-02	7.36E-03	5.01E+00	5.21E+00	4.95E+00	1.42E+00	2.52E-01	1.18E+01	5.20E+00	5.66E-04	1.56E-02	7.36E-03	5.22E+00
1128	482831.63	3853084.48	4.98E+00	4.67E-04	1.54E-02	7.20E-03	5.00E+00	5.20E+00	4.77E+00	1.41E+00	2.46E-01	1.16E+01	5.19E+00	5.46E-04	1.54E-02	7.20E-03	5.21E+00
1129	482881.63	3853084.48	5.01E+00	4.52E-04	1.52E-02	6.87E-03	5.04E+00	5.23E+00	4.61E+00	1.39E+00	2.35E-01	1.15E+01	5.22E+00	5.28E-04	1.52E-02	6.87E-03	5.24E+00
1130	482781.63	3853134.48	4.99E+00	4.97E-04	1.59E-02	7.44E-03	5.01E+00	5.20E+00	5.08E+00	1.45E+00	2.54E-01	1.20E+01	5.19E+00	5.82E-04	1.59E-02	7.44E-03	5.22E+00
1131	482831.63	3853134.48	5.04E+00	4.82E-04	1.58E-02	7.30E-03	5.06E+00	5.26E+00	4.92E+00	1.44E+00	2.50E-01	1.19E+01	5.25E+00	5.64E-04	1.58E-02	7.30E-03	5.27E+00
1132	482881.63	3853134.48	5.03E+00	4.70E-04	1.56E-02	6.96E-03	5.05E+00	5.25E+00	4.80E+00	1.42E+00	2.38E-01	1.17E+01	5.24E+00	5.50E-04	1.56E-02	6.96E-03	5.26E+00
1133	482831.63	3853184.48	5.03E+00	4.95E-04	1.61E-02	7.40E-03	5.06E+00	5.25E+00	5.06E+00	1.46E+00	2.53E-01	1.20E+01	5.24E+00	5.79E-04	1.61E-02	7.40E-03	5.27E+00
1134	482881.63	3853184.48	5.08E+00	4.86E-04	1.59E-02	7.07E-03	5.11E+00	5.31E+00	4.96E+00	1.45E+00	2.42E-01	1.20E+01	5.29E+00	5.68E-04	1.59E-02	7.07E-03	5.32E+00
1135	484154.84	3854250.98	6.72E+00	2.19E-04	1.85E-02	1.16E-02	6.75E+00	7.01E+00	2.23E+00	1.69E+00	3.98E-01	1.13E+01	7.00E+00	2.56E-04	1.85E-02	1.16E-02	7.03E+00
1136	484204.84	3854250.98	6.33E+00	2.08E-04	1.81E-02	1.14E-02	6.36E+00	6.60E+00	2.13E+00	1.65E+00	3.91E-01	1.08E+01	6.59E+00	2.43E-04	1.81E-02	1.14E-02	6.62E+00
1137	484154.84	3854300.98	6.79E+00	2.04E-04	1.90E-02	1.31E-02	6.82E+00	7.08E+00	2.08E+00	1.74E+00	4.47E-01	1.13E+01	7.07E+00	2.39E-04	1.90E-02	1.31E-02	7.10E+00
1138	484204.84	3854300.98	6.55E+00	2.03E-04	1.87E-02	1.33E-02	6.58E+00	6.83E+00	2.07E+00	1.71E+00	4.56E-01	1.11E+01	6.82E+00	2.37E-04	1.87E-02	1.33E-02	6.85E+00
1139	484074.19	3854519.8	6.35E+00	2.10E-04	2.09E-02	1.98E-02	6.39E+00	6.62E+00	2.15E+00	1.90E+00	6.76E-01	1.13E+01	6.61E+00	2.46E-04	2.09E-02	1.98E-02	6.65E+00
1140	484124.19	3854519.8	6.36E+00	2.00E-04	2.09E-02	1.97E-02	6.40E+00	6.64E+00	2.05E+00	1.90E+00	6.74E-01	1.13E+01	6.62E+00	2.34E-04	2.09E-02	1.97E-02	6.66E+00
1141	484074.19	3854569.8	6.29E+00	2.11E-04	2.10E-02	2.07E-02	6.34E+00	6.57E+00	2.15E+00	1.92E+00	7.07E-01	1.13E+01	6.55E+00	2.47E-04	2.10E-02	2.07E-02	6.60E+00
1142	484124.19	3854569.8	6.12E+00	1.99E-04	2.11E-02	1.97E-02	6.16E+00	6.39E+00	2.04E+00	1.92E+00	6.73E-01	1.10E+01	6.38E+00	2.33E-04	2.11E-02	1.97E-02	6.42E+00
1143	485205.11	3855188.89	6.45E+00	1.96E-04	2.22E-02	1.97E-02	6.50E+00	6.73E+00	2.01E+00	2.02E+00	6.73E-01	1.14E+01	6.72E+00	2.30E-04	2.22E-02	1.97E-02	6.76E+00
1144	485255.11	3855188.89	6.10E+00	1.93E-04	2.16E-02	2.13E-02	6.14E+00	6.36E+00	1.97E+00	1.97E+00	7.28E-01	1.10E+01	6.35E+00	2.26E-04	2.16E-02	2.13E-02	6.39E+00
1145	485205.11	3855238.89	6.51E+00	1.98E-04	2.30E-02	2.30E-02	6.56E+00	6.80E+00	2.02E+00	2.10E+00	7.87E-01	1.17E+01	6.78E+00	2.32E-04	2.30E-02	2.30E-02	6.83E+00
1146	485255.11	3855238.89	6.36E+00	1.94E-04	2.25E-02	2.56E-02	6.41E+00	6.64E+00	1.98E+00	2.05E+00	8.77E-01	1.16E+01	6.63E+00	2.27E-04	2.25E-02	2.56E-02	6.68E+00
1147	485205.11	3855288.89	7.01E+00	2.06E-04	2.38E-02	2.68E-02	7.06E+00	7.32E+00	2.10E+00	2.17E+00	9.17E-01	1.25E+01	7.30E+00	2.41E-04	2.38E-02	2.68E-02	7.35E+00
1148	485255.11	3855288.89	6.80E+00	2.01E-04	2.33E-02	3.12E-02	6.86E+00	7.10E+00	2.05E+00	2.13E+00	1.07E+00	1.23E+01	7.08E+00	2.35E-04	2.33E-02	3.12E-02	7.14E+00
1149	485255.11	3855338.89	7.27E+00	2.08E-04	2.42E-02	3.47E-02	7.33E+00	7.58E+00	2.12E+00	2.20E+00	1.19E+00	1.31E+01	7.57E+00	2.43E-04	2.42E-02	3.47E-02	7.63E+00
1150	485305.11	3855338.89	6.96E+00	2.05E-04	2.37E-02	3.73E-02	7.02E+00	7.26E+00	2.09E+00	2.16E+00	1.28E+00	1.28E+01	7.24E+00	2.40E-04	2.37E-02	3.73E-02	7.30E+00
1151	485852.5	3855635.28	6.26E+00	2.08E-04	2.61E-02	2.47E-02	6.31E+00	6.53E+00	2.12E+00	2.38E+00	8.45E-01	1.19E+01	6.52E+00	2.43E-04	2.61E-02	2.47E-02	6.57E+00
1152	485902.5	3855635.28	5.92E+00	2.11E-04	2.88E-02	2.45E-02	5.98E+00	6.18E+00	2.16E+00	2.62E+00	8.38E-01	1.18E+01	6.17E+00	2.47E-04	2.88E-02	2.45E-02	6.22E+00
1153	485852.5	3855685.28	6.55E+00	2.09E-04	2.46E-02	2.55E-02	6.60E+00	6.83E+00	2.13E+00	2.24E+00	8.73E-01	1.21E+01	6.82E+00	2.44E-04	2.46E-02	2.55E-02	6.87E+00
1154	485902.5	3855685.28	6.21E+00	2.12E-04	2.70E-02	2.65E-02	6.26E+00	6.48E+00	2.16E+00	2.46E+00	9.08E-01	1.20E+01	6.47E+00	2.48E-04	2.70E-02	2.65E-02	6.52E+00
1155	485852.5	3855735.28	6.85E+00	2.09E-04	2.48E-02	2.93E-02	6.90E+00	7.15E+00	2.14E+00	2.27E+00	1.00E+00	1.26E+01	7.13E+00	2.45E-04	2.48E-02	2.93E-02	7.19E+00

1156	485902.5	3855735.28	6.59E+00	2.14E-04	2.51E-02	2.98E-02	6.65E+00	6.88E+00	2.19E+00	2.29E+00	1.02E+00	1.24E+01	6.87E+00	2.50E-04	2.51E-02	2.98E-02	6.92E+00
1157	485852.5	3855785.28	7.28E+00	2.11E-04	2.57E-02	3.02E-02	7.34E+00	7.60E+00	2.16E+00	2.35E+00	1.03E+00	1.31E+01	7.58E+00	2.47E-04	2.57E-02	3.02E-02	7.64E+00
1158	485902.5	3855785.28	6.89E+00	2.14E-04	2.52E-02	3.05E-02	6.94E+00	7.19E+00	2.19E+00	2.30E+00	1.04E+00	1.27E+01	7.17E+00	2.50E-04	2.52E-02	3.05E-02	7.23E+00
1159	486809.46	3856465.28	6.69E+00	2.53E-04	4.01E-02	2.47E-02	6.75E+00	6.98E+00	2.58E+00	3.66E+00	8.44E-01	1.41E+01	6.97E+00	2.96E-04	4.01E-02	2.47E-02	7.03E+00
1160	486859.46	3856465.28	6.55E+00	2.56E-04	3.81E-02	2.41E-02	6.61E+00	6.83E+00	2.61E+00	3.48E+00	8.26E-01	1.37E+01	6.82E+00	2.99E-04	3.81E-02	2.41E-02	6.88E+00
1161	486909.46	3856465.28	6.39E+00	2.56E-04	3.51E-02	2.37E-02	6.45E+00	6.67E+00	2.62E+00	3.20E+00	8.10E-01	1.33E+01	6.66E+00	3.00E-04	3.51E-02	2.37E-02	6.72E+00
1162	486809.46	3856515.28	6.95E+00	2.54E-04	4.01E-02	2.43E-02	7.01E+00	7.25E+00	2.60E+00	3.66E+00	8.30E-01	1.43E+01	7.23E+00	2.97E-04	4.01E-02	2.43E-02	7.30E+00
1163	486859.46	3856515.28	6.80E+00	2.57E-04	3.93E-02	2.37E-02	6.86E+00	7.09E+00	2.63E+00	3.58E+00	8.12E-01	1.41E+01	7.08E+00	3.01E-04	3.93E-02	2.37E-02	7.14E+00
1164	486909.46	3856515.28	6.64E+00	2.60E-04	3.72E-02	2.33E-02	6.70E+00	6.93E+00	2.66E+00	3.39E+00	7.97E-01	1.38E+01	6.91E+00	3.05E-04	3.72E-02	2.33E-02	6.98E+00
1165	486980.94	3856357.95	5.77E+00	2.54E-04	4.22E-02	2.19E-02	5.84E+00	6.03E+00	2.60E+00	3.85E+00	7.49E-01	1.32E+01	6.01E+00	2.97E-04	4.22E-02	2.19E-02	6.08E+00
1166	487030.94	3856357.95	5.67E+00	2.57E-04	4.73E-02	2.14E-02	5.74E+00	5.92E+00	2.62E+00	4.31E+00	7.33E-01	1.36E+01	5.91E+00	3.00E-04	4.73E-02	2.14E-02	5.97E+00
1167	486980.94	3856407.95	5.97E+00	2.57E-04	3.88E-02	2.24E-02	6.03E+00	6.23E+00	2.63E+00	3.54E+00	7.66E-01	1.32E+01	6.22E+00	3.01E-04	3.88E-02	2.24E-02	6.28E+00
1168	487030.94	3856407.95	5.85E+00	2.62E-04	4.37E-02	2.19E-02	5.91E+00	6.10E+00	2.68E+00	3.98E+00	7.49E-01	1.35E+01	6.09E+00	3.07E-04	4.37E-02	2.19E-02	6.15E+00
1169	487447.18	3856437.45	5.11E+00	2.86E-04	5.97E-02	1.76E-02	5.18E+00	5.33E+00	2.93E+00	5.45E+00	6.01E-01	1.43E+01	5.32E+00	3.35E-04	5.97E-02	1.76E-02	5.39E+00
1170	487497.18	3856437.45	5.01E+00	2.95E-04	6.31E-02	1.67E-02	5.09E+00	5.23E+00	3.01E+00	5.75E+00	5.71E-01	1.46E+01	5.22E+00	3.45E-04	6.31E-02	1.67E-02	5.30E+00
1171	487547.18	3856437.45	4.93E+00	3.02E-04	6.66E-02	1.63E-02	5.01E+00	5.15E+00	3.09E+00	6.08E+00	5.57E-01	1.49E+01	5.14E+00	3.54E-04	6.66E-02	1.63E-02	5.22E+00
1172	487447.18	3856487.45	5.24E+00	2.95E-04	5.90E-02	1.76E-02	5.31E+00	5.46E+00	3.02E+00	5.38E+00	6.01E-01	1.45E+01	5.45E+00	3.45E-04	5.90E-02	1.76E-02	5.53E+00
1173	487497.18	3856487.45	5.15E+00	3.03E-04	6.29E-02	1.71E-02	5.23E+00	5.37E+00	3.09E+00	5.73E+00	5.84E-01	1.48E+01	5.36E+00	3.54E-04	6.29E-02	1.71E-02	5.44E+00
1174	487547.18	3856487.45	5.07E+00	3.11E-04	6.55E-02	1.67E-02	5.16E+00	5.29E+00	3.18E+00	5.97E+00	5.70E-01	1.50E+01	5.28E+00	3.64E-04	6.55E-02	1.67E-02	5.37E+00
1175	487447.18	3856537.45	5.38E+00	3.04E-04	5.80E-02	1.75E-02	5.46E+00	5.62E+00	3.10E+00	5.29E+00	5.97E-01	1.46E+01	5.61E+00	3.55E-04	5.80E-02	1.75E-02	5.68E+00
1176	487497.18	3856537.45	5.29E+00	3.10E-04	6.26E-02	1.72E-02	5.37E+00	5.52E+00	3.17E+00	5.71E+00	5.87E-01	1.50E+01	5.51E+00	3.63E-04	6.26E-02	1.72E-02	5.59E+00
1177	487547.18	3856537.45	5.19E+00	3.20E-04	6.60E-02	1.68E-02	5.27E+00	5.42E+00	3.26E+00	6.02E+00	5.73E-01	1.53E+01	5.41E+00	3.74E-04	6.60E-02	1.68E-02	5.49E+00
1178	489285.89	3858826.54	3.22E+00	9.78E-04	7.56E-02	1.26E-02	3.31E+00	3.36E+00	9.99E+00	6.89E+00	4.30E-01	2.07E+01	3.35E+00	1.14E-03	7.56E-02	1.26E-02	3.44E+00
1179	489335.89	3858826.54	3.41E+00	9.63E-04	7.40E-02	1.21E-02	3.50E+00	3.56E+00	9.83E+00	6.74E+00	4.13E-01	2.06E+01	3.55E+00	1.13E-03	7.40E-02	1.21E-02	3.64E+00
1180	489385.89	3858826.54	3.55E+00	9.43E-04	7.12E-02	1.18E-02	3.64E+00	3.71E+00	9.64E+00	6.50E+00	4.05E-01	2.02E+01	3.70E+00	1.10E-03	7.12E-02	1.18E-02	3.78E+00
1181	489435.89	3858826.54	3.66E+00	9.27E-04	6.93E-02	1.16E-02	3.74E+00	3.82E+00	9.47E+00	6.32E+00	3.98E-01	2.00E+01	3.81E+00	1.08E-03	6.93E-02	1.16E-02	3.89E+00
1182	489485.89	3858826.54	3.73E+00	9.12E-04	6.69E-02	1.18E-02	3.81E+00	3.89E+00	9.32E+00	6.10E+00	4.03E-01	1.97E+01	3.88E+00	1.07E-03	6.69E-02	1.18E-02	3.96E+00
1183	489535.89	3858826.54	3.78E+00	8.96E-04	6.75E-02	1.18E-02	3.86E+00	3.94E+00	9.16E+00	6.16E+00	4.05E-01	1.97E+01	3.94E+00	1.05E-03	6.75E-02	1.18E-02	4.02E+00
1184	489585.89	3858826.54	3.79E+00	8.82E-04	6.87E-02	1.17E-02	3.87E+00	3.96E+00	9.01E+00	6.27E+00	3.99E-01	1.96E+01	3.95E+00	1.03E-03	6.87E-02	1.17E-02	4.03E+00
1185	489635.89	3858826.54	3.78E+00	8.66E-04	6.92E-02	1.14E-02	3.86E+00	3.94E+00	8.85E+00	6.31E+00	3.88E-01	1.95E+01	3.93E+00	1.01E-03	6.92E-02	1.14E-02	4.01E+00
1186	489685.89	3858826.54	3.74E+00	8.49E-04	6.97E-02	1.09E-02	3.82E+00	3.90E+00	8.68E+00	6.35E+00	3.73E-01	1.93E+01	3.89E+00	9.94E-04	6.97E-02	1.09E-02	3.98E+00
1187	489735.89	3858826.54	3.75E+00	8.33E-04	6.97E-02	1.05E-02	3.83E+00	3.92E+00	8.51E+00	6.36E+00	3.60E-01	1.91E+01	3.91E+00	9.75E-04	6.97E-02	1.05E-02	3.99E+00
1188	489785.89	3858826.54	3.77E+00	8.20E-04	6.92E-02	1.02E-02	3.85E+00	3.93E+00	8.38E+00	6.31E+00	3.50E-01	1.90E+01	3.92E+00	9.60E-04	6.92E-02	1.02E-02	4.00E+00
1189	489835.89	3858826.54	3.76E+00	8.04E-04	6.82E-02	1.01E-02	3.84E+00	3.92E+00	8.22E+00	6.22E+00	3.47E-01	1.87E+01	3.92E+00	9.41E-04	6.82E-02	1.01E-02	4.00E+00
1190	489885.89	3858826.54	3.73E+00	7.94E-04	6.68E-02	9.97E-03	3.80E+00	3.89E+00	8.12E+00	6.09E+00	3.41E-01	1.84E+01	3.88E+00	9.29E-04	6.68E-02	9.97E-03	3.96E+00
1191	489935.89	3858826.54	3.71E+00	7.83E-04	6.55E-02	9.75E-03	3.79E+00	3.87E+00	8.00E+00	5.98E+00	3.34E-01	1.82E+01	3.87E+00	9.16E-04	6.55E-02	9.75E-03	3.94E+00
1192	489985.89	3858826.54	3.72E+00	7.71E-04	6.41E-02	9.49E-03	3.80E+00	3.88E+00	7.88E+00	5.85E+00	3.25E-01	1.79E+01	3.88E+00	9.02E-04	6.41E-02	9.49E-03	3.95E+00
1193	490035.89	3858826.54	3.74E+00	7.54E-04	6.24E-02	9.21E-03	3.81E+00	3.90E+00	7.71E+00	5.69E+00	3.15E-01	1.76E+01	3.89E+00	8.82E-04	6.24E-02	9.21E-03	3.97E+00
1194	489285.89	3858876.54	3.08E+00	1.05E-03	7.29E-02	1.24E-02	3.17E+00	3.21E+00	1.07E+01	6.65E+00	4.23E-01	2.10E+01	3.21E+00	1.22E-03	7.29E-02	1.24E-02	3.29E+00
1195	489335.89	3858876.54	3.29E+00	1.02E-03	7.24E-02	1.23E-02	3.37E+00	3.43E+00	1.05E+01	6.60E+00	4.19E-01	2.09E+01	3.42E+00	1.20E-03	7.24E-02	1.23E-02	3.51E+00
1196	489385.89	3858876.54	3.43E+00	1.00E-03	7.13E-02	1.22E-02	3.51E+00	3.58E+00	1.02E+01	6.50E+00	4.18E-01	2.07E+01	3.57E+00	1.17E-03	7.13E-02	1.22E-02	3.65E+00
1197	489435.89	3858876.54	3.52E+00	9.81E-04	6.96E-02	1.22E-02	3.61E+00	3.68E+00	1.00E+01	6.35E+00	4.18E-01	2.05E+01	3.67E+00	1.15E-03	6.96E-02	1.22E-02	3.75E+00
1198	489485.89	3858876.54	3.63E+00	9.61E-04	6.84E-02	1.21E-02	3.71E+00	3.79E+00	9.81E+00	6.23E+00	4.12E-01	2.02E+01	3.78E+00	1.12E-03	6.84E-02	1.21E-02	3.86E+00
1199	489535.89	3858876.54	3.70E+00	9.40E-04	6.64E-02	1.17E-02	3.78E+00	3.86E+00	9.60E+00	6.05E+00	4.01E-01	1.99E+01	3.85E+00	1.10E-03	6.64E-02	1.17E-02	3.93E+00
1200	489585.89	3858876.54	3.74E+00	9.17E-04	6.51E-02	1.13E-02	3.82E+00	3.91E+00	9.37E+00	5.94E+00	3.85E-01	1.96E+01	3.90E+00	1.07E-03	6.51E-02	1.13E-02	3.98E+00
1201	489635.89	3858876.54	3.77E+00	9.00E-04	6.62E-02	1.07E-02	3.84E+00	3.93E+00	9.19E+00	6.04E+00	3.67E-01	1.95E+01	3.92E+00	1.05E-03	6.62E-02	1.07E-02	4.00E+00
1202	489685.89	3858876.54	3.75E+00	8.82E-04	6.70E-02	1.05E-02	3.83E+00	3.91E+00	9.01E+00	6.11E+00	3.58E-01	1.94E+01	3.90E+00	1.03E-03	6.70E-02	1.05E-02	3.98E+00
1203	489735.89	3858876.54	3.72E+00	8.62E-04	6.68E-02	1.03E-02	3.80E+00	3.88E+00	8.81E+00	6.10E+00	3.51E-01	1.91E+01	3.88E+00	1.01E-03	6.68E-02	1.03E-02	3.95E+00
1204	489785.89	3858876.54	3.71E+00	8.48E-04	6.68E-02	1.01E-02	3.78E+00	3.87E+00	8.66E+00	6.09E+00	3.46E-01	1.90E+01	3.86E+00	9.92E-04	6.68E-02	1.01E-02	3.94E+00
1205	489835.89	3858876.54	3.72E+00	8.31E-04	6.67E-02	9.94E-03	3.80E+00	3.88E+00	8.49E+00	6.09E+00	3.40E-01	1.88E+01	3.88E+00	9.72E-04	6.67E-02	9.94E-03	3.95E+00
1206	489885.89	3858876.54	3.73E+00	8.22E-04	6.62E-02	9.76E-03	3.80E+00	3.89E+00	8.40E+00	6.04E+00	3.34E-01	1.87E+01	3.88E+00	9.62E-04	6.62E-02	9.76E-03	3.96E+00
1207	489935.89	3858876.54	3.70E+00	8.06E-04	6.53E-02	9.53E-03	3.78E+00	3.86E+00	8.24E+00	5.95E+00	3.26E-01	1.84E+01	3.85E+00	9.43E-04	6.53E-02	9.53E-03	3.93E+00
1208	489985.89	3858876.54	3.68E+00	7.90E-04	6.43E-02	9.28E-03	3.76E+00	3.84E+00	8.07E+00	5.87E+00	3.17E-01	1.81E+01	3.83E+00	9.24E-04	6.43E-02	9.28E-03	3.91E+00
1209	490035.89	3858876.54	3.67E+00	7.74E-04	6.37E-02	9.18E-03	3.74E+00	3.83E+00	7.91E+00	5.81E+00	3.14E-01	1.79E+01	3.82E+00	9.06E-04	6.37E-02	9.18E-03	3.90E+00
1210	489285.89	3858926.54	2.88E+00	1.10E-03	6.89E-02	1.26E-02	2.96E+00	3.01E+00	1.12E+01	6.28E+00	4.32E-01	2.09E+01	3.00E+00	1.28E-03	6.89E-02	1.26E-02	3.08E+00
1211	489335.89	3858926.54	3.11E+00	1.07E-03	6.98E-02	1.25E-02	3.19E+00	3.24E+00	1.09E+01	6.36E+00	4.28E-01	2.10E+01	3.24E+00	1.25E-03	6.98E-02	1.25E-02	3.32E+00
1212	489385.89	3858926.54	3.30E+00	1.04E-03	6.93E-02	1.23E-02	3.39E+00	3.45E+00	1.07E+01	6.32E+00	4.20E-01	2.09E+01	3.44E+00	1.22E-03	6.93E-02	1.23E-02	3.52E+00
1213	489435.89	3858926.54	3.42E+00	1.02E-03	6.85E-02	1.19E-02	3.50E+00	3.57E+00	1.04E+01	6.24E+00	4.07E-01	2.07E+01	3.56E+00	1.20E-03	6.85E-02	1.19E-02	3.64E+00
1214	489485.89	3858926.54	3.50E+00	9.99E-04	6.78E-02	1.14E-02	3.58E+00	3.65E+00	1.02E+01	6.18E+00	3.90E-01	2.04E+01	3.64E+00	1.17E-03	6.78E-02	1.14E-02	3.72E+00
1215	489535.89	3858926.54	3.59E+00	9.77E-04	6.71E-02	1.09E-02	3.67E+00	3.75E+00	9.99E+00	6.12E+00	3.72E-01	2.02E+01	3.74E+00	1.14E-03	6.71E-02	1.09E-02	3.82E+00
1216	489585.89	3858926.54	3.65E+00	9.56E-04	6.57E-02	1.07E-02	3.73E+00	3.81E+00	9.77E+00	5.99E+00	3.65E-01	1.99E+01	3.80E+00	1.12E-03	6.57E-02	1.07E-02	3.88E+00

1217	489635.89	3858926.54	3.70E+00	9.36E-04	6.37E-02	1.05E-02	3.78E+00	3.86E+00	9.56E+00	5.81E+00	3.58E-01	1.96E+01	3.86E+00	1.10E-03	6.37E-02	1.05E-02	3.93E+00
1218	489685.89	3858926.54	3.73E+00	9.14E-04	6.40E-02	1.04E-02	3.81E+00	3.90E+00	9.34E+00	5.84E+00	3.55E-01	1.94E+01	3.89E+00	1.07E-03	6.40E-02	1.04E-02	3.96E+00
1219	489735.89	3858926.54	3.72E+00	8.98E-04	6.52E-02	1.03E-02	3.80E+00	3.88E+00	9.18E+00	5.94E+00	3.51E-01	1.94E+01	3.88E+00	1.05E-03	6.52E-02	1.03E-02	3.95E+00
1220	489785.89	3858926.54	3.70E+00	8.84E-04	6.56E-02	1.01E-02	3.77E+00	3.86E+00	9.03E+00	5.98E+00	3.44E-01	1.92E+01	3.85E+00	1.03E-03	6.56E-02	1.01E-02	3.93E+00
1221	489835.89	3858926.54	3.66E+00	8.65E-04	6.56E-02	9.81E-03	3.74E+00	3.82E+00	8.83E+00	5.98E+00	3.36E-01	1.90E+01	3.81E+00	1.01E-03	6.56E-02	9.81E-03	3.89E+00
1222	489885.89	3858926.54	3.67E+00	8.50E-04	6.54E-02	9.51E-03	3.75E+00	3.83E+00	8.69E+00	5.96E+00	3.25E-01	1.88E+01	3.83E+00	9.95E-04	6.54E-02	9.51E-03	3.90E+00
1223	489935.89	3858926.54	3.69E+00	8.34E-04	6.46E-02	9.21E-03	3.76E+00	3.85E+00	8.52E+00	5.89E+00	3.15E-01	1.86E+01	3.84E+00	9.76E-04	6.46E-02	9.21E-03	3.92E+00
1224	489985.89	3858926.54	3.68E+00	8.15E-04	6.34E-02	9.13E-03	3.75E+00	3.84E+00	8.32E+00	5.78E+00	3.12E-01	1.83E+01	3.83E+00	9.53E-04	6.34E-02	9.13E-03	3.90E+00
1225	490035.89	3858926.54	3.65E+00	7.90E-04	6.29E-02	9.32E-03	3.72E+00	3.81E+00	8.07E+00	5.73E+00	3.19E-01	1.79E+01	3.80E+00	9.24E-04	6.29E-02	9.32E-03	3.87E+00
1226	489335.89	3858976.54	2.86E+00	1.12E-03	6.60E-02	1.18E-02	2.94E+00	2.99E+00	1.15E+01	6.02E+00	4.04E-01	2.09E+01	2.98E+00	1.31E-03	6.60E-02	1.18E-02	3.06E+00
1227	489385.89	3858976.54	3.10E+00	1.09E-03	6.66E-02	1.13E-02	3.18E+00	3.24E+00	1.11E+01	6.07E+00	3.87E-01	2.08E+01	3.23E+00	1.27E-03	6.66E-02	1.13E-02	3.31E+00
1228	489435.89	3858976.54	3.30E+00	1.07E-03	6.63E-02	1.08E-02	3.37E+00	3.44E+00	1.09E+01	6.05E+00	3.70E-01	2.07E+01	3.43E+00	1.25E-03	6.63E-02	1.08E-02	3.51E+00
1229	489485.89	3858976.54	3.39E+00	1.04E-03	6.57E-02	1.06E-02	3.47E+00	3.54E+00	1.06E+01	5.99E+00	3.62E-01	2.05E+01	3.53E+00	1.21E-03	6.57E-02	1.06E-02	3.61E+00
1230	489535.89	3858976.54	3.47E+00	1.01E-03	6.58E-02	1.04E-02	3.55E+00	3.62E+00	1.03E+01	6.00E+00	3.55E-01	2.03E+01	3.61E+00	1.18E-03	6.58E-02	1.04E-02	3.69E+00
1231	489585.89	3858976.54	3.55E+00	9.88E-04	6.55E-02	1.03E-02	3.62E+00	3.70E+00	1.01E+01	5.98E+00	3.53E-01	2.01E+01	3.69E+00	1.16E-03	6.55E-02	1.03E-02	3.77E+00
1232	489635.89	3858976.54	3.61E+00	9.65E-04	6.46E-02	1.03E-02	3.68E+00	3.76E+00	9.86E+00	5.89E+00	3.52E-01	1.99E+01	3.76E+00	1.13E-03	6.46E-02	1.03E-02	3.83E+00
1233	489685.89	3858976.54	3.66E+00	9.41E-04	6.31E-02	1.02E-02	3.73E+00	3.82E+00	9.62E+00	5.75E+00	3.50E-01	1.95E+01	3.81E+00	1.10E-03	6.31E-02	1.02E-02	3.88E+00
1234	489735.89	3858976.54	3.69E+00	9.22E-04	6.21E-02	1.01E-02	3.76E+00	3.85E+00	9.42E+00	5.67E+00	3.44E-01	1.93E+01	3.84E+00	1.08E-03	6.21E-02	1.01E-02	3.92E+00
1235	489785.89	3858976.54	3.69E+00	9.07E-04	6.30E-02	9.86E-03	3.77E+00	3.85E+00	9.27E+00	5.75E+00	3.37E-01	1.92E+01	3.85E+00	1.06E-03	6.30E-02	9.86E-03	3.92E+00
1236	489835.89	3858976.54	3.67E+00	8.90E-04	6.39E-02	9.62E-03	3.74E+00	3.83E+00	9.10E+00	5.83E+00	3.29E-01	1.91E+01	3.82E+00	1.04E-03	6.39E-02	9.62E-03	3.89E+00
1237	489885.89	3858976.54	3.63E+00	8.67E-04	6.41E-02	9.36E-03	3.71E+00	3.79E+00	8.86E+00	5.85E+00	3.20E-01	1.88E+01	3.78E+00	1.01E-03	6.41E-02	9.36E-03	3.86E+00
1238	489935.89	3858976.54	3.63E+00	8.47E-04	6.42E-02	9.31E-03	3.70E+00	3.79E+00	8.65E+00	5.85E+00	3.18E-01	1.86E+01	3.78E+00	9.91E-04	6.42E-02	9.31E-03	3.85E+00
1239	489985.89	3858976.54	3.64E+00	8.29E-04	6.38E-02	9.42E-03	3.72E+00	3.80E+00	8.47E+00	5.82E+00	3.22E-01	1.84E+01	3.80E+00	9.70E-04	6.38E-02	9.42E-03	3.87E+00
1240	490035.89	3858976.54	3.66E+00	7.80E-04	6.27E-02	9.83E-03	3.74E+00	3.82E+00	7.97E+00	5.71E+00	3.36E-01	1.78E+01	3.81E+00	9.13E-04	6.27E-02	9.83E-03	3.89E+00
1241	489385.89	3859026.54	2.86E+00	1.11E-03	6.45E-02	1.07E-02	2.94E+00	2.98E+00	1.13E+01	5.88E+00	3.65E-01	2.05E+01	2.98E+00	1.29E-03	6.45E-02	1.07E-02	3.05E+00
1242	489435.89	3859026.54	3.10E+00	1.08E-03	6.49E-02	1.04E-02	3.17E+00	3.23E+00	1.10E+01	5.92E+00	3.55E-01	2.05E+01	3.22E+00	1.26E-03	6.49E-02	1.04E-02	3.30E+00
1243	489485.89	3859026.54	3.28E+00	1.05E-03	6.46E-02	1.03E-02	3.36E+00	3.42E+00	1.07E+01	5.89E+00	3.54E-01	2.04E+01	3.42E+00	1.22E-03	6.46E-02	1.03E-02	3.49E+00
1244	489535.89	3859026.54	3.37E+00	1.02E-03	6.35E-02	1.02E-02	3.45E+00	3.52E+00	1.04E+01	5.79E+00	3.50E-01	2.01E+01	3.51E+00	1.19E-03	6.35E-02	1.02E-02	3.59E+00
1245	489585.89	3859026.54	3.44E+00	9.93E-04	6.37E-02	1.01E-02	3.51E+00	3.59E+00	1.01E+01	5.81E+00	3.47E-01	1.99E+01	3.58E+00	1.16E-03	6.37E-02	1.01E-02	3.66E+00
1246	489635.89	3859026.54	3.50E+00	9.71E-04	6.38E-02	1.01E-02	3.57E+00	3.65E+00	9.92E+00	5.82E+00	3.44E-01	1.97E+01	3.64E+00	1.14E-03	6.38E-02	1.01E-02	3.72E+00
1247	489685.89	3859026.54	3.57E+00	9.49E-04	6.33E-02	9.98E-03	3.64E+00	3.72E+00	9.70E+00	5.77E+00	3.41E-01	1.95E+01	3.71E+00	1.11E-03	6.33E-02	9.98E-03	3.79E+00
1248	489735.89	3859026.54	3.62E+00	9.31E-04	6.22E-02	9.82E-03	3.69E+00	3.77E+00	9.51E+00	5.67E+00	3.36E-01	1.93E+01	3.77E+00	1.09E-03	6.22E-02	9.82E-03	3.84E+00
1249	489785.89	3859026.54	3.66E+00	9.13E-04	6.05E-02	9.64E-03	3.73E+00	3.81E+00	9.33E+00	5.52E+00	3.30E-01	1.90E+01	3.81E+00	1.07E-03	6.05E-02	9.64E-03	3.88E+00
1250	489835.89	3859026.54	3.66E+00	8.89E-04	6.10E-02	9.45E-03	3.73E+00	3.82E+00	9.08E+00	5.56E+00	3.23E-01	1.88E+01	3.81E+00	1.04E-03	6.10E-02	9.45E-03	3.88E+00
1251	489885.89	3859026.54	3.64E+00	8.69E-04	6.20E-02	9.50E-03	3.71E+00	3.79E+00	8.88E+00	5.65E+00	3.25E-01	1.86E+01	3.79E+00	1.02E-03	6.20E-02	9.50E-03	3.86E+00
1252	489935.89	3859026.54	3.61E+00	8.47E-04	6.25E-02	9.69E-03	3.68E+00	3.77E+00	8.65E+00	5.70E+00	3.31E-01	1.85E+01	3.76E+00	9.91E-04	6.25E-02	9.69E-03	3.83E+00
1253	489985.89	3859026.54	3.58E+00	8.26E-04	6.26E-02	9.92E-03	3.66E+00	3.74E+00	8.44E+00	5.71E+00	3.39E-01	1.82E+01	3.73E+00	9.66E-04	6.26E-02	9.92E-03	3.80E+00
1254	490035.89	3859026.54	3.62E+00	7.68E-04	6.23E-02	1.03E-02	3.69E+00	3.77E+00	7.84E+00	5.68E+00	3.52E-01	1.76E+01	3.77E+00	8.98E-04	6.23E-02	1.03E-02	3.84E+00
1255	489485.89	3859076.54	3.10E+00	1.09E-03	6.35E-02	1.06E-02	3.17E+00	3.23E+00	1.11E+01	5.79E+00	3.61E-01	2.05E+01	3.23E+00	1.27E-03	6.35E-02	1.06E-02	3.30E+00
1256	489535.89	3859076.54	3.26E+00	1.06E-03	6.35E-02	1.03E-02	3.34E+00	3.40E+00	1.08E+01	5.79E+00	3.53E-01	2.03E+01	3.40E+00	1.24E-03	6.35E-02	1.03E-02	3.47E+00
1257	489585.89	3859076.54	3.35E+00	1.03E-03	6.29E-02	1.02E-02	3.43E+00	3.50E+00	1.05E+01	5.74E+00	3.50E-01	2.01E+01	3.49E+00	1.20E-03	6.29E-02	1.02E-02	3.57E+00
1258	489635.89	3859076.54	3.41E+00	1.01E-03	6.26E-02	1.02E-02	3.48E+00	3.55E+00	1.03E+01	5.71E+00	3.49E-01	1.99E+01	3.55E+00	1.18E-03	6.26E-02	1.02E-02	3.62E+00
1259	489685.89	3859076.54	3.45E+00	9.83E-04	6.21E-02	1.01E-02	3.52E+00	3.60E+00	1.00E+01	5.67E+00	3.46E-01	1.96E+01	3.59E+00	1.15E-03	6.21E-02	1.01E-02	3.66E+00
1260	489735.89	3859076.54	3.52E+00	9.61E-04	6.18E-02	9.88E-03	3.59E+00	3.67E+00	9.82E+00	5.63E+00	3.38E-01	1.95E+01	3.66E+00	1.12E-03	6.18E-02	9.88E-03	3.74E+00
1261	489785.89	3859076.54	3.56E+00	9.39E-04	6.11E-02	9.67E-03	3.63E+00	3.71E+00	9.59E+00	5.57E+00	3.31E-01	1.92E+01	3.71E+00	1.10E-03	6.11E-02	9.67E-03	3.78E+00
1262	489835.89	3859076.54	3.61E+00	9.14E-04	5.99E-02	9.74E-03	3.68E+00	3.77E+00	9.34E+00	5.46E+00	3.33E-01	1.89E+01	3.76E+00	1.07E-03	5.99E-02	9.74E-03	3.83E+00
1263	489885.89	3859076.54	3.62E+00	8.90E-04	5.90E-02	9.95E-03	3.69E+00	3.78E+00	9.09E+00	5.38E+00	3.40E-01	1.86E+01	3.77E+00	1.04E-03	5.90E-02	9.95E-03	3.84E+00
1264	489935.89	3859076.54	3.61E+00	8.68E-04	5.98E-02	1.01E-02	3.68E+00	3.77E+00	8.87E+00	5.45E+00	3.47E-01	1.84E+01	3.76E+00	1.02E-03	5.98E-02	1.01E-02	3.83E+00
1265	489985.89	3859076.54	3.59E+00	8.42E-04	6.07E-02	1.03E-02	3.66E+00	3.74E+00	8.60E+00	5.54E+00	3.53E-01	1.82E+01	3.74E+00	9.85E-04	6.07E-02	1.03E-02	3.81E+00
1266	490035.89	3859076.54	3.57E+00	7.89E-04	6.07E-02	1.06E-02	3.64E+00	3.72E+00	8.06E+00	5.54E+00	3.64E-01	1.77E+01	3.71E+00	9.23E-04	6.07E-02	1.06E-02	3.79E+00
1267	489585.89	3859126.54	3.24E+00	1.06E-03	6.23E-02	1.07E-02	3.32E+00	3.38E+00	1.08E+01	5.68E+00	3.66E-01	2.02E+01	3.38E+00	1.24E-03	6.23E-02	1.07E-02	3.45E+00
1268	489635.89	3859126.54	3.33E+00	1.04E-03	6.22E-02	1.04E-02	3.40E+00	3.47E+00	1.06E+01	5.67E+00	3.57E-01	2.01E+01	3.47E+00	1.21E-03	6.22E-02	1.04E-02	3.54E+00
1269	489685.89	3859126.54	3.37E+00	1.02E-03	6.19E-02	1.02E-02	3.44E+00	3.52E+00	1.04E+01	5.64E+00	3.50E-01	1.99E+01	3.51E+00	1.19E-03	6.19E-02	1.02E-02	3.58E+00
1270	489735.89	3859126.54	3.41E+00	9.94E-04	6.14E-02	9.92E-03	3.48E+00	3.56E+00	1.02E+01	5.60E+00	3.39E-01	1.97E+01	3.55E+00	1.16E-03	6.14E-02	9.92E-03	3.62E+00
1271	489785.89	3859126.54	3.47E+00	9.74E-04	6.07E-02	9.97E-03	3.54E+00	3.62E+00	9.95E+00	5.54E+00	3.41E-01	1.94E+01	3.61E+00	1.14E-03	6.07E-02	9.97E-03	3.68E+00
1272	489835.89	3859126.54	3.51E+00	9.50E-04	5.98E-02	1.02E-02	3.58E+00	3.66E+00	9.71E+00	5.45E+00	3.49E-01	1.92E+01	3.65E+00	1.11E-03	5.98E-02	1.02E-02	3.73E+00
1273	489885.89	3859126.54	3.55E+00	9.25E-04	5.90E-02	1.04E-02	3.62E+00	3.71E+00	9.45E+00	5.38E+00	3.56E-01	1.89E+01	3.70E+00	1.08E-03	5.90E-02	1.04E-02	3.77E+00
1274	489935.89	3859126.54	3.58E+00	9.04E-04	5.78E-02	1.06E-02	3.65E+00	3.73E+00	9.24E+00	5.27E+00	3.61E-01	1.86E+01	3.73E+00	1.06E-03	5.78E-02	1.06E-02	3.80E+00
1275	489985.89	3859126.54	3.59E+00	8.68E-04	5.78E-02	1.08E-02	3.66E+00	3.74E+00	8.87E+00	5.27E+00	3.68E-01	1.82E+01	3.74E+00	1.02E-03	5.78E-02	1.08E-02	3.81E+00
1276	490035.89	3859126.54	3.57E+00	8.31E-04	5.84E-02	1.09E-02	3.64E+00	3.73E+00	8.49E+00	5.32E+00	3.74E-01	1.79E+01	3.72E+00	9.72E-04	5.84E-02	1.09E-02	3.79E+00
1277	489585.89	3859176.54	3.11E+00	1.08E-03	6.06E-02	1.12E-02	3.18E+00	3.24E+00	1.10E+01	5.53E+00	3.83E-01	2.01E+01	3.24E+00	1.26E-03	6.06E-02	1.12E-02	3.31E+00

1278	489635.89	3859176.54	3.23E+00	1.05E-03	6.12E-02	1.07E-02	3.30E+00	3.37E+00	1.08E+01	5.58E+00	3.65E-01	2.01E+01	3.36E+00	1.23E-03	6.12E-02	1.07E-02	3.43E+00
1279	489685.89	3859176.54	3.30E+00	1.04E-03	6.13E-02	1.02E-02	3.38E+00	3.45E+00	1.06E+01	5.59E+00	3.48E-01	2.00E+01	3.44E+00	1.21E-03	6.13E-02	1.02E-02	3.51E+00
1280	489735.89	3859176.54	3.33E+00	1.02E-03	6.09E-02	1.02E-02	3.41E+00	3.48E+00	1.04E+01	5.55E+00	3.50E-01	1.98E+01	3.47E+00	1.19E-03	6.09E-02	1.02E-02	3.54E+00
1281	489785.89	3859176.54	3.37E+00	9.91E-04	6.05E-02	1.05E-02	3.44E+00	3.52E+00	1.01E+01	5.52E+00	3.58E-01	1.95E+01	3.51E+00	1.16E-03	6.05E-02	1.05E-02	3.58E+00
1282	489835.89	3859176.54	3.42E+00	9.70E-04	6.00E-02	1.06E-02	3.49E+00	3.57E+00	9.91E+00	5.47E+00	3.64E-01	1.93E+01	3.56E+00	1.13E-03	6.00E-02	1.06E-02	3.63E+00
1283	489885.89	3859176.54	3.47E+00	9.45E-04	5.92E-02	1.08E-02	3.54E+00	3.62E+00	9.66E+00	5.40E+00	3.70E-01	1.90E+01	3.61E+00	1.11E-03	5.92E-02	1.08E-02	3.68E+00
1284	489935.89	3859176.54	3.52E+00	9.26E-04	5.80E-02	1.10E-02	3.59E+00	3.67E+00	9.46E+00	5.29E+00	3.75E-01	1.88E+01	3.66E+00	1.08E-03	5.80E-02	1.10E-02	3.73E+00
1285	489985.89	3859176.54	3.54E+00	8.91E-04	5.70E-02	1.11E-02	3.61E+00	3.69E+00	9.10E+00	5.20E+00	3.81E-01	1.84E+01	3.69E+00	1.04E-03	5.70E-02	1.11E-02	3.75E+00
1286	490035.89	3859176.54	3.55E+00	8.73E-04	5.61E-02	1.12E-02	3.62E+00	3.71E+00	8.92E+00	5.12E+00	3.84E-01	1.81E+01	3.70E+00	1.02E-03	5.61E-02	1.12E-02	3.77E+00
1287	489685.89	3859226.54	3.21E+00	1.05E-03	6.01E-02	1.08E-02	3.28E+00	3.34E+00	1.07E+01	5.49E+00	3.71E-01	1.99E+01	3.34E+00	1.23E-03	6.01E-02	1.08E-02	3.41E+00
1288	489735.89	3859226.54	3.28E+00	1.03E-03	6.03E-02	1.09E-02	3.35E+00	3.42E+00	1.05E+01	5.50E+00	3.74E-01	1.98E+01	3.42E+00	1.21E-03	6.03E-02	1.09E-02	3.49E+00
1289	489785.89	3859226.54	3.31E+00	1.01E-03	6.01E-02	1.10E-02	3.38E+00	3.45E+00	1.03E+01	5.48E+00	3.76E-01	1.96E+01	3.44E+00	1.18E-03	6.01E-02	1.10E-02	3.52E+00
1290	489835.89	3859226.54	3.34E+00	9.84E-04	5.98E-02	1.11E-02	3.41E+00	3.48E+00	1.00E+01	5.46E+00	3.79E-01	1.94E+01	3.48E+00	1.15E-03	5.98E-02	1.11E-02	3.55E+00
1291	489885.89	3859226.54	3.37E+00	9.61E-04	5.93E-02	1.12E-02	3.44E+00	3.52E+00	9.82E+00	5.41E+00	3.84E-01	1.91E+01	3.51E+00	1.12E-03	5.93E-02	1.12E-02	3.58E+00
1292	489935.89	3859226.54	3.43E+00	9.38E-04	5.86E-02	1.13E-02	3.50E+00	3.58E+00	9.58E+00	5.35E+00	3.88E-01	1.89E+01	3.57E+00	1.10E-03	5.86E-02	1.13E-02	3.64E+00
1293	489985.89	3859226.54	3.45E+00	8.97E-04	5.75E-02	1.15E-02	3.52E+00	3.60E+00	9.16E+00	5.24E+00	3.93E-01	1.84E+01	3.59E+00	1.05E-03	5.75E-02	1.15E-02	3.66E+00
1294	490035.89	3859226.54	3.50E+00	8.83E-04	5.61E-02	1.15E-02	3.56E+00	3.65E+00	9.02E+00	5.12E+00	3.95E-01	1.82E+01	3.64E+00	1.03E-03	5.61E-02	1.15E-02	3.71E+00
1295	489735.89	3859276.54	3.19E+00	1.05E-03	5.94E-02	1.14E-02	3.26E+00	3.32E+00	1.07E+01	5.42E+00	3.90E-01	1.99E+01	3.32E+00	1.23E-03	5.94E-02	1.14E-02	3.39E+00
1296	489785.89	3859276.54	3.26E+00	1.03E-03	5.93E-02	1.14E-02	3.33E+00	3.40E+00	1.05E+01	5.41E+00	3.91E-01	1.97E+01	3.39E+00	1.20E-03	5.93E-02	1.14E-02	3.46E+00
1297	489835.89	3859276.54	3.29E+00	1.00E-03	5.94E-02	1.15E-02	3.36E+00	3.43E+00	1.02E+01	5.41E+00	3.92E-01	1.95E+01	3.42E+00	1.17E-03	5.94E-02	1.15E-02	3.50E+00
1298	489885.89	3859276.54	3.31E+00	9.77E-04	5.90E-02	1.16E-02	3.38E+00	3.45E+00	9.98E+00	5.38E+00	3.96E-01	1.92E+01	3.44E+00	1.14E-03	5.90E-02	1.16E-02	3.52E+00
1299	489935.89	3859276.54	3.33E+00	9.51E-04	5.86E-02	1.17E-02	3.40E+00	3.47E+00	9.71E+00	5.34E+00	3.99E-01	1.89E+01	3.47E+00	1.11E-03	5.86E-02	1.17E-02	3.54E+00
1300	489985.89	3859276.54	3.38E+00	9.06E-04	5.79E-02	1.18E-02	3.45E+00	3.52E+00	9.26E+00	5.28E+00	4.03E-01	1.85E+01	3.51E+00	1.06E-03	5.79E-02	1.18E-02	3.59E+00
1301	490035.89	3859276.54	3.40E+00	9.04E-04	5.71E-02	1.18E-02	3.47E+00	3.55E+00	9.24E+00	5.20E+00	4.02E-01	1.84E+01	3.54E+00	1.06E-03	5.71E-02	1.18E-02	3.61E+00
1302	490458.06	3859590.74	3.18E+00	8.54E-04	5.07E-02	1.08E-02	3.24E+00	3.32E+00	8.73E+00	4.62E+00	3.68E-01	1.70E+01	3.31E+00	9.99E-04	5.07E-02	1.08E-02	3.37E+00
1303	490508.06	3859590.74	3.22E+00	8.35E-04	5.02E-02	1.07E-02	3.28E+00	3.36E+00	8.53E+00	4.58E+00	3.66E-01	1.68E+01	3.35E+00	9.76E-04	5.02E-02	1.07E-02	3.41E+00
1304	490558.06	3859590.74	3.24E+00	8.15E-04	4.95E-02	1.06E-02	3.30E+00	3.38E+00	8.32E+00	4.52E+00	3.63E-01	1.66E+01	3.37E+00	9.53E-04	4.95E-02	1.06E-02	3.43E+00
1305	490608.06	3859590.74	3.23E+00	7.92E-04	4.84E-02	1.05E-02	3.29E+00	3.37E+00	8.10E+00	4.42E+00	3.59E-01	1.62E+01	3.36E+00	9.27E-04	4.84E-02	1.05E-02	3.42E+00
1306	490658.06	3859590.74	3.19E+00	7.67E-04	4.77E-02	1.04E-02	3.25E+00	3.33E+00	7.84E+00	4.35E+00	3.56E-01	1.59E+01	3.32E+00	8.98E-04	4.77E-02	1.04E-02	3.38E+00
1307	490708.06	3859590.74	3.16E+00	7.41E-04	4.73E-02	1.03E-02	3.21E+00	3.29E+00	7.57E+00	4.31E+00	3.52E-01	1.55E+01	3.29E+00	8.67E-04	4.73E-02	1.03E-02	3.34E+00
1308	490758.06	3859590.74	3.13E+00	7.10E-04	4.73E-02	1.02E-02	3.18E+00	3.26E+00	7.26E+00	4.31E+00	3.49E-01	1.52E+01	3.26E+00	8.31E-04	4.73E-02	1.02E-02	3.31E+00
1309	490808.06	3859590.74	3.14E+00	6.87E-04	4.76E-02	1.01E-02	3.20E+00	3.28E+00	7.02E+00	4.34E+00	3.45E-01	1.50E+01	3.27E+00	8.04E-04	4.76E-02	1.01E-02	3.33E+00
1310	490858.06	3859590.74	3.16E+00	6.62E-04	4.77E-02	9.99E-03	3.22E+00	3.30E+00	6.76E+00	4.35E+00	3.42E-01	1.48E+01	3.29E+00	7.74E-04	4.77E-02	9.99E-03	3.35E+00
1311	490458.06	3859640.74	3.10E+00	8.60E-04	5.05E-02	1.06E-02	3.16E+00	3.24E+00	8.79E+00	4.61E+00	3.63E-01	1.70E+01	3.23E+00	1.01E-03	5.05E-02	1.06E-02	3.29E+00
1312	490508.06	3859640.74	3.12E+00	8.44E-04	4.99E-02	1.05E-02	3.18E+00	3.26E+00	8.63E+00	4.55E+00	3.60E-01	1.68E+01	3.25E+00	9.88E-04	4.99E-02	1.05E-02	3.31E+00
1313	490558.06	3859640.74	3.17E+00	8.28E-04	4.95E-02	1.05E-02	3.23E+00	3.31E+00	8.46E+00	4.52E+00	3.58E-01	1.66E+01	3.30E+00	9.69E-04	4.95E-02	1.05E-02	3.36E+00
1314	490608.06	3859640.74	3.19E+00	8.08E-04	4.91E-02	1.04E-02	3.25E+00	3.33E+00	8.25E+00	4.47E+00	3.55E-01	1.64E+01	3.33E+00	9.45E-04	4.91E-02	1.04E-02	3.39E+00
1315	490658.06	3859640.74	3.20E+00	7.84E-04	4.81E-02	1.03E-02	3.25E+00	3.33E+00	8.01E+00	4.38E+00	3.52E-01	1.61E+01	3.33E+00	9.17E-04	4.81E-02	1.03E-02	3.39E+00
1316	490708.06	3859640.74	3.17E+00	7.61E-04	4.69E-02	1.02E-02	3.22E+00	3.30E+00	7.77E+00	4.28E+00	3.50E-01	1.57E+01	3.30E+00	8.90E-04	4.69E-02	1.02E-02	3.36E+00
1317	490758.06	3859640.74	3.13E+00	7.34E-04	4.67E-02	1.02E-02	3.19E+00	3.26E+00	7.50E+00	4.26E+00	3.48E-01	1.54E+01	3.26E+00	8.59E-04	4.67E-02	1.02E-02	3.32E+00
1318	490808.06	3859640.74	3.09E+00	7.15E-04	4.64E-02	1.01E-02	3.15E+00	3.23E+00	7.30E+00	4.23E+00	3.46E-01	1.51E+01	3.22E+00	8.36E-04	4.64E-02	1.01E-02	3.28E+00
1319	490858.06	3859640.74	3.10E+00	6.96E-04	4.66E-02	1.01E-02	3.15E+00	3.23E+00	7.11E+00	4.25E+00	3.44E-01	1.49E+01	3.23E+00	8.14E-04	4.66E-02	1.01E-02	3.28E+00
1320	490608.06	3859690.74	3.13E+00	8.10E-04	4.90E-02	1.06E-02	3.19E+00	3.26E+00	8.28E+00	4.47E+00	3.64E-01	1.64E+01	3.25E+00	9.48E-04	4.90E-02	1.06E-02	3.32E+00
1321	490658.06	3859690.74	3.15E+00	7.90E-04	4.86E-02	1.06E-02	3.21E+00	3.29E+00	8.07E+00	4.43E+00	3.62E-01	1.62E+01	3.28E+00	9.25E-04	4.86E-02	1.06E-02	3.34E+00
1322	490708.06	3859690.74	3.16E+00	7.70E-04	4.77E-02	1.05E-02	3.22E+00	3.30E+00	7.87E+00	4.35E+00	3.60E-01	1.59E+01	3.29E+00	9.01E-04	4.77E-02	1.05E-02	3.35E+00
1323	490758.06	3859690.74	3.15E+00	7.47E-04	4.65E-02	1.05E-02	3.21E+00	3.29E+00	7.63E+00	4.24E+00	3.58E-01	1.55E+01	3.28E+00	8.74E-04	4.65E-02	1.05E-02	3.34E+00
1324	490808.06	3859690.74	3.10E+00	7.28E-04	4.60E-02	1.04E-02	3.15E+00	3.23E+00	7.43E+00	4.19E+00	3.55E-01	1.52E+01	3.22E+00	8.51E-04	4.60E-02	1.04E-02	3.28E+00
1325	490858.06	3859690.74	3.06E+00	7.19E-04	4.57E-02	1.03E-02	3.12E+00	3.19E+00	7.34E+00	4.17E+00	3.53E-01	1.51E+01	3.19E+00	8.41E-04	4.57E-02	1.03E-02	3.25E+00
1326	490708.06	3859740.74	3.12E+00	7.73E-04	4.83E-02	1.09E-02	3.18E+00	3.25E+00	7.90E+00	4.40E+00	3.73E-01	1.59E+01	3.25E+00	9.04E-04	4.83E-02	1.09E-02	3.31E+00
1327	490758.06	3859740.74	3.12E+00	7.60E-04	4.74E-02	1.08E-02	3.18E+00	3.25E+00	7.76E+00	4.32E+00	3.70E-01	1.57E+01	3.25E+00	8.89E-04	4.74E-02	1.08E-02	3.31E+00
1328	490808.06	3859740.74	3.11E+00	7.45E-04	4.64E-02	1.08E-02	3.17E+00	3.25E+00	7.62E+00	4.23E+00	3.68E-01	1.55E+01	3.24E+00	8.72E-04	4.64E-02	1.08E-02	3.30E+00
1329	490858.06	3859740.74	3.06E+00	7.33E-04	4.53E-02	1.07E-02	3.12E+00	3.19E+00	7.49E+00	4.13E+00	3.65E-01	1.52E+01	3.19E+00	8.58E-04	4.53E-02	1.07E-02	3.24E+00
1330	490786.56	3859749.39	3.11E+00	7.53E-04	4.70E-02	1.08E-02	3.17E+00	3.25E+00	7.69E+00	4.28E+00	3.71E-01	1.56E+01	3.24E+00	8.81E-04	4.70E-02	1.08E-02	3.30E+00
1331	490836.56	3859749.39	3.09E+00	7.39E-04	4.59E-02	1.08E-02	3.15E+00	3.23E+00	7.55E+00	4.19E+00	3.69E-01	1.53E+01	3.22E+00	8.64E-04	4.59E-02	1.08E-02	3.28E+00
1332	490786.56	3859799.39	3.06E+00	7.65E-04	4.72E-02	1.12E-02	3.12E+00	3.19E+00	7.81E+00	4.31E+00	3.82E-01	1.57E+01	3.19E+00	8.95E-04	4.72E-02	1.12E-02	3.25E+00
1333	490836.56	3859799.39	3.08E+00	7.51E-04	4.68E-02	1.11E-02	3.14E+00	3.21E+00	7.67E+00	4.27E+00	3.80E-01	1.55E+01	3.21E+00	8.79E-04	4.68E-02	1.11E-02	3.27E+00
1334	492307.84	3854508.36	9.62E-01	1.16E-04	6.87E-02	1.01E-02	1.04E+00	1.00E+00	1.18E+00	6.27E+00	3.47E-01	8.80E+00	1.00E+00	1.36E-04	6.87E-02	1.01E-02	1.08E+00
1335	486445.7	3854753.6	1.04E+00	1.25E-04	6.15E-02	2.62E-02	1.13E+00	1.08E+00	1.27E+00	5.61E+00	8.96E-01	8.87E+00	1.08E+00	1.46E-04	6.15E-02	2.62E-02	1.17E+00
1336	472599.75	3877830.11	2.61E-01	6.61E-05	5.77E-03	2.91E-03	2.70E-01	2.72E-01	6.75E-01	5.26E-01	9.97E-02	1.57E+00	2.72E-01	7.73E-05	5.77E-03	2.91E-03	2.80E-01
1337	493107.48	3866840.19	1.27E+00	2.26E-04	1.21E-02	1.68E-02	1.30E+00	1.33E+00	2.31E+00	1.10E+00	5.73E-01	5.31E+00	1.33E+00	2.64E-04	1.21E-02	1.68E-02	1.36E+00
1338	495815.79	3861662.87	1.45E+00	3.40E-04	2.57E-02	6.15E-03	1.48E+00	1.51E+00	3.48E+00	2.35E+00	2.10E-01	7.54E+00	1.51E+00	3.98E-04	2.57E-02	6.15E-03	1.54E+00

1339	480272.33	3841389.2	1.68E-01	3.44E-05	6.21E-03	2.78E-03	1.77E-01	1.75E-01	3.51E-01	5.66E-01	9.50E-02	1.19E+00	1.75E-01	4.02E-05	6.21E-03	2.78E-03	1.84E-01
1340	497005.18	3862813.64	1.17E+00	3.42E-04	2.33E-02	6.46E-03	1.20E+00	1.23E+00	3.49E+00	2.12E+00	2.21E-01	7.06E+00	1.22E+00	4.00E-04	2.33E-02	6.46E-03	1.25E+00
1341	493677.33	3860302.55	2.32E+00	4.41E-04	4.83E-02	8.03E-03	2.37E+00	2.42E+00	4.50E+00	4.40E+00	2.75E-01	1.16E+01	2.41E+00	5.16E-04	4.83E-02	8.03E-03	2.47E+00
1342	493727.33	3860302.55	2.31E+00	4.35E-04	4.83E-02	8.03E-03	2.36E+00	2.41E+00	4.44E+00	4.41E+00	2.75E-01	1.15E+01	2.40E+00	5.09E-04	4.83E-02	8.03E-03	2.46E+00
1343	493777.33	3860302.55	2.30E+00	4.29E-04	4.82E-02	8.02E-03	2.35E+00	2.40E+00	4.39E+00	4.40E+00	2.74E-01	1.15E+01	2.39E+00	5.02E-04	4.82E-02	8.02E-03	2.45E+00
1344	493827.33	3860302.55	2.28E+00	4.24E-04	4.79E-02	8.01E-03	2.34E+00	2.38E+00	4.34E+00	4.37E+00	2.74E-01	1.14E+01	2.38E+00	4.96E-04	4.79E-02	8.01E-03	2.43E+00
1345	493877.33	3860302.55	2.27E+00	4.21E-04	4.77E-02	8.00E-03	2.33E+00	2.37E+00	4.30E+00	4.35E+00	2.74E-01	1.13E+01	2.37E+00	4.92E-04	4.77E-02	8.00E-03	2.42E+00
1346	493927.33	3860302.55	2.26E+00	4.18E-04	4.74E-02	7.99E-03	2.32E+00	2.36E+00	4.27E+00	4.33E+00	2.73E-01	1.12E+01	2.36E+00	4.89E-04	4.74E-02	7.99E-03	2.41E+00
1347	493977.33	3860302.55	2.25E+00	4.13E-04	4.65E-02	7.94E-03	2.31E+00	2.35E+00	4.22E+00	4.24E+00	2.72E-01	1.11E+01	2.35E+00	4.83E-04	4.65E-02	7.94E-03	2.40E+00
1348	494027.33	3860302.55	2.24E+00	4.08E-04	4.58E-02	7.91E-03	2.29E+00	2.33E+00	4.17E+00	4.17E+00	2.70E-01	1.09E+01	2.33E+00	4.78E-04	4.58E-02	7.91E-03	2.38E+00
1349	493677.33	3860352.55	2.28E+00	4.51E-04	4.72E-02	7.99E-03	2.34E+00	2.38E+00	4.61E+00	4.31E+00	2.73E-01	1.16E+01	2.37E+00	5.28E-04	4.72E-02	7.99E-03	2.43E+00
1350	493727.33	3860352.55	2.28E+00	4.47E-04	4.76E-02	8.00E-03	2.34E+00	2.38E+00	4.56E+00	4.34E+00	2.73E-01	1.16E+01	2.37E+00	5.23E-04	4.76E-02	8.00E-03	2.43E+00
1351	493777.33	3860352.55	2.27E+00	4.42E-04	4.78E-02	8.00E-03	2.33E+00	2.37E+00	4.51E+00	4.36E+00	2.74E-01	1.15E+01	2.37E+00	5.17E-04	4.78E-02	8.00E-03	2.42E+00
1352	493827.33	3860352.55	2.26E+00	4.36E-04	4.81E-02	8.00E-03	2.32E+00	2.36E+00	4.46E+00	4.38E+00	2.73E-01	1.15E+01	2.36E+00	5.11E-04	4.81E-02	8.00E-03	2.41E+00
1353	493877.33	3860352.55	2.25E+00	4.31E-04	4.82E-02	7.98E-03	2.31E+00	2.35E+00	4.40E+00	4.40E+00	2.73E-01	1.14E+01	2.35E+00	5.04E-04	4.82E-02	7.98E-03	2.40E+00
1354	493927.33	3860352.55	2.25E+00	4.25E-04	4.79E-02	7.96E-03	2.30E+00	2.34E+00	4.34E+00	4.37E+00	2.72E-01	1.13E+01	2.34E+00	4.97E-04	4.79E-02	7.96E-03	2.39E+00
1355	493977.33	3860352.55	2.24E+00	4.18E-04	4.74E-02	7.93E-03	2.30E+00	2.34E+00	4.27E+00	4.32E+00	2.71E-01	1.12E+01	2.34E+00	4.89E-04	4.74E-02	7.93E-03	2.39E+00
1356	494027.33	3860352.55	2.23E+00	4.13E-04	4.70E-02	7.92E-03	2.29E+00	2.33E+00	4.22E+00	4.29E+00	2.71E-01	1.11E+01	2.33E+00	4.83E-04	4.70E-02	7.92E-03	2.38E+00
1357	493677.33	3860402.55	2.22E+00	4.57E-04	4.41E-02	8.09E-03	2.27E+00	2.31E+00	4.67E+00	4.02E+00	2.77E-01	1.13E+01	2.31E+00	5.34E-04	4.41E-02	8.09E-03	2.36E+00
1358	493727.33	3860402.55	2.23E+00	4.53E-04	4.46E-02	8.11E-03	2.28E+00	2.32E+00	4.62E+00	4.07E+00	2.77E-01	1.13E+01	2.32E+00	5.30E-04	4.46E-02	8.11E-03	2.37E+00
1359	493777.33	3860402.55	2.24E+00	4.49E-04	4.61E-02	8.07E-03	2.30E+00	2.34E+00	4.59E+00	4.20E+00	2.76E-01	1.14E+01	2.33E+00	5.25E-04	4.61E-02	8.07E-03	2.39E+00
1360	493827.33	3860402.55	2.24E+00	4.45E-04	4.61E-02	8.10E-03	2.29E+00	2.34E+00	4.54E+00	4.21E+00	2.77E-01	1.14E+01	2.33E+00	5.20E-04	4.61E-02	8.10E-03	2.39E+00
1361	493877.33	3860402.55	2.23E+00	4.40E-04	4.64E-02	8.10E-03	2.29E+00	2.33E+00	4.50E+00	4.23E+00	2.77E-01	1.13E+01	2.33E+00	5.15E-04	4.64E-02	8.10E-03	2.38E+00
1362	493927.33	3860402.55	2.23E+00	4.36E-04	4.75E-02	8.06E-03	2.28E+00	2.33E+00	4.45E+00	4.33E+00	2.76E-01	1.14E+01	2.32E+00	5.10E-04	4.75E-02	8.06E-03	2.38E+00
1363	493977.33	3860402.55	2.23E+00	4.31E-04	4.76E-02	8.01E-03	2.28E+00	2.32E+00	4.40E+00	4.34E+00	2.74E-01	1.13E+01	2.32E+00	5.04E-04	4.76E-02	8.01E-03	2.38E+00
1364	494027.33	3860402.55	2.21E+00	4.26E-04	4.77E-02	8.00E-03	2.27E+00	2.31E+00	4.35E+00	4.35E+00	2.74E-01	1.13E+01	2.30E+00	4.98E-04	4.77E-02	8.00E-03	2.36E+00
1365	493677.33	3860452.55	2.15E+00	4.58E-04	4.23E-02	8.14E-03	2.20E+00	2.24E+00	4.68E+00	3.85E+00	2.78E-01	1.11E+01	2.24E+00	5.36E-04	4.23E-02	8.14E-03	2.29E+00
1366	493727.33	3860452.55	2.15E+00	4.53E-04	4.20E-02	8.19E-03	2.21E+00	2.25E+00	4.63E+00	3.83E+00	2.80E-01	1.10E+01	2.24E+00	5.30E-04	4.20E-02	8.19E-03	2.29E+00
1367	493777.33	3860452.55	2.17E+00	4.49E-04	4.22E-02	8.21E-03	2.22E+00	2.27E+00	4.59E+00	3.85E+00	2.81E-01	1.10E+01	2.26E+00	5.26E-04	4.22E-02	8.21E-03	2.31E+00
1368	493827.33	3860452.55	2.19E+00	4.47E-04	4.33E-02	8.19E-03	2.24E+00	2.29E+00	4.57E+00	3.95E+00	2.80E-01	1.11E+01	2.28E+00	5.23E-04	4.33E-02	8.19E-03	2.33E+00
1369	493877.33	3860452.55	2.20E+00	4.44E-04	4.43E-02	8.17E-03	2.25E+00	2.30E+00	4.54E+00	4.04E+00	2.80E-01	1.12E+01	2.29E+00	5.20E-04	4.43E-02	8.17E-03	2.34E+00
1370	493927.33	3860452.55	2.21E+00	4.42E-04	4.60E-02	8.12E-03	2.27E+00	2.31E+00	4.51E+00	4.19E+00	2.78E-01	1.13E+01	2.30E+00	5.17E-04	4.60E-02	8.12E-03	2.36E+00
1371	493977.33	3860452.55	2.21E+00	4.38E-04	4.64E-02	8.12E-03	2.26E+00	2.30E+00	4.47E+00	4.23E+00	2.78E-01	1.13E+01	2.30E+00	5.12E-04	4.64E-02	8.12E-03	2.35E+00
1372	494027.33	3860452.55	2.19E+00	4.34E-04	4.67E-02	8.12E-03	2.25E+00	2.29E+00	4.43E+00	4.26E+00	2.78E-01	1.13E+01	2.29E+00	5.08E-04	4.67E-02	8.12E-03	2.34E+00
1373	493677.33	3860502.55	2.15E+00	4.58E-04	4.03E-02	8.15E-03	2.20E+00	2.24E+00	4.68E+00	3.67E+00	2.79E-01	1.09E+01	2.24E+00	5.36E-04	4.03E-02	8.15E-03	2.28E+00
1374	493727.33	3860502.55	2.12E+00	4.53E-04	4.04E-02	8.20E-03	2.17E+00	2.22E+00	4.63E+00	3.68E+00	2.80E-01	1.08E+01	2.21E+00	5.30E-04	4.04E-02	8.20E-03	2.26E+00
1375	493777.33	3860502.55	2.10E+00	4.50E-04	4.08E-02	8.22E-03	2.15E+00	2.20E+00	4.59E+00	3.72E+00	2.81E-01	1.08E+01	2.19E+00	5.26E-04	4.08E-02	8.22E-03	2.24E+00
1376	493827.33	3860502.55	2.12E+00	4.46E-04	4.11E-02	8.24E-03	2.17E+00	2.21E+00	4.56E+00	3.75E+00	2.82E-01	1.08E+01	2.21E+00	5.22E-04	4.11E-02	8.24E-03	2.26E+00
1377	493877.33	3860502.55	2.14E+00	4.44E-04	4.18E-02	8.23E-03	2.19E+00	2.24E+00	4.54E+00	3.81E+00	2.82E-01	1.09E+01	2.23E+00	5.20E-04	4.18E-02	8.23E-03	2.28E+00
1378	493927.33	3860502.55	2.16E+00	4.43E-04	4.30E-02	8.20E-03	2.21E+00	2.26E+00	4.53E+00	3.92E+00	2.80E-01	1.10E+01	2.25E+00	5.18E-04	4.30E-02	8.20E-03	2.30E+00
1379	493977.33	3860502.55	2.17E+00	4.39E-04	4.35E-02	8.22E-03	2.22E+00	2.26E+00	4.49E+00	3.96E+00	2.81E-01	1.10E+01	2.26E+00	5.14E-04	4.35E-02	8.22E-03	2.31E+00
1380	494027.33	3860502.55	2.17E+00	4.36E-04	4.41E-02	8.21E-03	2.22E+00	2.26E+00	4.46E+00	4.03E+00	2.81E-01	1.10E+01	2.26E+00	5.10E-04	4.41E-02	8.21E-03	2.31E+00
1381	493627.33	3860552.55	2.16E+00	4.58E-04	3.88E-02	8.09E-03	2.21E+00	2.26E+00	4.68E+00	3.54E+00	2.77E-01	1.08E+01	2.25E+00	5.36E-04	3.88E-02	8.09E-03	2.30E+00
1382	493677.33	3860552.55	2.13E+00	4.48E-04	3.88E-02	8.13E-03	2.18E+00	2.22E+00	4.58E+00	3.54E+00	2.78E-01	1.06E+01	2.22E+00	5.24E-04	3.88E-02	8.13E-03	2.27E+00
1383	493727.33	3860552.55	2.11E+00	4.45E-04	3.88E-02	8.16E-03	2.16E+00	2.20E+00	4.54E+00	3.54E+00	2.79E-01	1.06E+01	2.20E+00	5.20E-04	3.88E-02	8.16E-03	2.25E+00
1384	493777.33	3860552.55	2.10E+00	4.41E-04	3.89E-02	8.19E-03	2.15E+00	2.19E+00	4.51E+00	3.55E+00	2.80E-01	1.05E+01	2.19E+00	5.16E-04	3.89E-02	8.19E-03	2.23E+00
1385	493827.33	3860552.55	2.09E+00	4.45E-04	3.96E-02	8.21E-03	2.13E+00	2.18E+00	4.55E+00	3.61E+00	2.81E-01	1.06E+01	2.17E+00	5.21E-04	3.96E-02	8.21E-03	2.22E+00
1386	493877.33	3860552.55	2.07E+00	4.42E-04	3.99E-02	8.24E-03	2.12E+00	2.16E+00	4.51E+00	3.64E+00	2.82E-01	1.06E+01	2.16E+00	5.17E-04	3.99E-02	8.24E-03	2.20E+00
1387	493927.33	3860552.55	2.09E+00	4.41E-04	4.05E-02	8.25E-03	2.14E+00	2.18E+00	4.50E+00	3.70E+00	2.82E-01	1.07E+01	2.18E+00	5.16E-04	4.05E-02	8.25E-03	2.23E+00
1388	493977.33	3860552.55	2.11E+00	4.40E-04	4.12E-02	8.25E-03	2.16E+00	2.21E+00	4.49E+00	3.76E+00	2.82E-01	1.07E+01	2.20E+00	5.14E-04	4.12E-02	8.25E-03	2.25E+00
1389	494027.33	3860552.55	2.12E+00	4.36E-04	4.14E-02	8.27E-03	2.17E+00	2.22E+00	4.45E+00	3.78E+00	2.83E-01	1.07E+01	2.21E+00	5.10E-04	4.14E-02	8.27E-03	2.26E+00
1390	493627.33	3860602.55	2.16E+00	4.52E-04	3.73E-02	8.01E-03	2.21E+00	2.25E+00	4.62E+00	3.40E+00	2.74E-01	1.05E+01	2.25E+00	5.29E-04	3.73E-02	8.01E-03	2.30E+00
1391	493727.33	3860602.55	2.10E+00	4.45E-04	3.73E-02	8.10E-03	2.15E+00	2.19E+00	4.54E+00	3.41E+00	2.77E-01	1.04E+01	2.19E+00	5.20E-04	3.73E-02	8.10E-03	2.24E+00
1392	493777.33	3860602.55	2.09E+00	4.42E-04	3.79E-02	8.13E-03	2.13E+00	2.18E+00	4.51E+00	3.45E+00	2.78E-01	1.04E+01	2.17E+00	5.17E-04	3.79E-02	8.13E-03	2.22E+00
1393	493827.33	3860602.55	2.08E+00	4.39E-04	3.80E-02	8.16E-03	2.12E+00	2.17E+00	4.48E+00	3.47E+00	2.79E-01	1.04E+01	2.16E+00	5.13E-04	3.80E-02	8.16E-03	2.21E+00
1394	493877.33	3860602.55	2.07E+00	4.36E-04	3.84E-02	8.18E-03	2.11E+00	2.16E+00	4.45E+00	3.50E+00	2.80E-01	1.04E+01	2.15E+00	5.10E-04	3.84E-02	8.18E-03	2.20E+00
1395	493927.33	3860602.55	2.05E+00	4.32E-04	3.90E-02	8.21E-03	2.10E+00	2.14E+00	4.42E+00	3.55E+00	2.81E-01	1.04E+01	2.14E+00	5.06E-04	3.90E-02	8.21E-03	2.18E+00
1396	493977.33	3860602.55	2.04E+00	4.36E-04	3.96E-02	8.23E-03	2.09E+00	2.13E+00	4.46E+00	3.61E+00	2.81E-01	1.05E+01	2.13E+00	5.11E-04	3.96E-02	8.23E-03	2.18E+00
1397	494027.33	3860602.55	2.06E+00	4.26E-04	3.97E-02	8.25E-03	2.11E+00	2.15E+00	4.35E+00	3.62E+00	2.82E-01	1.04E+01	2.14E+00	4.98E-04	3.97E-02	8.25E-03	2.19E+00
1398	493627.33	3860652.55	2.13E+00	4.54E-04	3.56E-02	8.04E-03	2.18E+00	2.23E+00	4.63E+00	3.24E+00	2.75E-01	1.04E+01	2.22E+00	5.31E-04	3.56E-02	8.04E-03	2.27E+00
1399	493727.33	3860652.55	2.10E+00	4.47E-04	3.59E-02	8.07E-03	2.15E+00	2.19E+00	4.57E+00	3.28E+00	2.76E-01	1.03E+01	2.19E+00	5.23E-04	3.59E-02	8.07E-03	2.23E+00

1400	493777.33	3860652.55	2.09E+00	4.43E-04	3.64E-02	8.10E-03	2.13E+00	2.18E+00	4.53E+00	3.32E+00	2.77E-01	1.03E+01	2.17E+00	5.19E-04	3.64E-02	8.10E-03	2.22E+00
1401	493827.33	3860652.55	2.07E+00	4.39E-04	3.69E-02	8.09E-03	2.11E+00	2.16E+00	4.49E+00	3.36E+00	2.77E-01	1.03E+01	2.15E+00	5.14E-04	3.69E-02	8.09E-03	2.20E+00
1402	493877.33	3860652.55	2.05E+00	4.35E-04	3.74E-02	8.11E-03	2.10E+00	2.14E+00	4.45E+00	3.41E+00	2.77E-01	1.03E+01	2.14E+00	5.09E-04	3.74E-02	8.11E-03	2.19E+00
1403	493927.33	3860652.55	2.05E+00	4.32E-04	3.76E-02	8.14E-03	2.09E+00	2.13E+00	4.42E+00	3.43E+00	2.78E-01	1.03E+01	2.13E+00	5.06E-04	3.76E-02	8.14E-03	2.18E+00
1404	493977.33	3860652.55	2.03E+00	4.29E-04	3.77E-02	8.16E-03	2.08E+00	2.12E+00	4.39E+00	3.44E+00	2.79E-01	1.02E+01	2.11E+00	5.02E-04	3.77E-02	8.16E-03	2.16E+00
1405	494027.33	3860652.55	2.02E+00	4.27E-04	3.84E-02	8.19E-03	2.07E+00	2.11E+00	4.36E+00	3.50E+00	2.80E-01	1.02E+01	2.10E+00	4.99E-04	3.84E-02	8.19E-03	2.15E+00
1406	494311.06	3858401.99	5.98E-01	1.19E-04	4.43E-02	6.34E-03	6.49E-01	6.24E-01	1.21E+00	4.04E+00	2.17E-01	6.09E+00	6.23E-01	1.39E-04	4.43E-02	6.34E-03	6.74E-01
1407	494361.06	3858401.99	5.99E-01	1.19E-04	4.40E-02	6.33E-03	6.49E-01	6.25E-01	1.22E+00	4.01E+00	2.17E-01	6.07E+00	6.24E-01	1.39E-04	4.40E-02	6.33E-03	6.74E-01
1408	494411.06	3858401.99	6.01E-01	1.19E-04	4.37E-02	6.32E-03	6.51E-01	6.27E-01	1.22E+00	3.99E+00	2.16E-01	6.05E+00	6.25E-01	1.39E-04	4.37E-02	6.32E-03	6.76E-01
1409	494461.06	3858401.99	6.03E-01	1.19E-04	4.35E-02	6.32E-03	6.53E-01	6.29E-01	1.22E+00	3.97E+00	2.16E-01	6.03E+00	6.28E-01	1.39E-04	4.35E-02	6.32E-03	6.78E-01
1410	494511.06	3858401.99	6.04E-01	1.19E-04	4.32E-02	6.31E-03	6.54E-01	6.31E-01	1.22E+00	3.94E+00	2.16E-01	6.01E+00	6.29E-01	1.40E-04	4.32E-02	6.31E-03	6.79E-01
1411	494561.06	3858401.99	6.07E-01	1.19E-04	4.30E-02	6.30E-03	6.56E-01	6.33E-01	1.22E+00	3.92E+00	2.15E-01	5.99E+00	6.32E-01	1.40E-04	4.30E-02	6.30E-03	6.81E-01
1412	494611.06	3858401.99	6.07E-01	1.20E-04	4.20E-02	6.29E-03	6.56E-01	6.34E-01	1.22E+00	3.83E+00	2.15E-01	5.91E+00	6.32E-01	1.40E-04	4.20E-02	6.29E-03	6.81E-01
1413	494661.06	3858401.99	5.01E-01	1.20E-04	4.13E-02	6.28E-03	5.49E-01	5.23E-01	1.22E+00	3.77E+00	2.15E-01	5.73E+00	5.22E-01	1.40E-04	4.13E-02	6.28E-03	5.69E-01
1414	494711.06	3858401.99	4.99E-01	1.20E-04	4.06E-02	6.27E-03	5.46E-01	5.21E-01	1.22E+00	3.70E+00	2.14E-01	5.66E+00	5.20E-01	1.40E-04	4.06E-02	6.27E-03	5.67E-01
1415	494761.06	3858401.99	4.99E-01	1.20E-04	4.04E-02	6.26E-03	5.46E-01	5.21E-01	1.22E+00	3.68E+00	2.14E-01	5.64E+00	5.20E-01	1.40E-04	4.04E-02	6.26E-03	5.67E-01
1416	494811.06	3858401.99	4.98E-01	1.20E-04	4.00E-02	6.25E-03	5.45E-01	5.20E-01	1.23E+00	3.65E+00	2.14E-01	5.61E+00	5.19E-01	1.40E-04	4.00E-02	6.25E-03	5.65E-01
1417	494861.06	3858401.99	4.98E-01	1.20E-04	3.97E-02	6.24E-03	5.44E-01	5.19E-01	1.23E+00	3.62E+00	2.13E-01	5.58E+00	5.18E-01	1.40E-04	3.97E-02	6.24E-03	5.64E-01
1418	494911.06	3858401.99	4.97E-01	1.20E-04	3.94E-02	6.23E-03	5.43E-01	5.18E-01	1.23E+00	3.60E+00	2.13E-01	5.55E+00	5.17E-01	1.41E-04	3.94E-02	6.23E-03	5.63E-01
1419	494961.06	3858401.99	4.96E-01	1.20E-04	3.91E-02	6.23E-03	5.41E-01	5.17E-01	1.23E+00	3.57E+00	2.13E-01	5.53E+00	5.16E-01	1.41E-04	3.91E-02	6.23E-03	5.62E-01
1420	495011.06	3858401.99	4.94E-01	1.20E-04	3.71E-02	5.98E-03	5.37E-01	5.16E-01	1.23E+00	3.38E+00	2.05E-01	5.33E+00	5.15E-01	1.41E-04	3.71E-02	5.98E-03	5.58E-01
1421	495061.06	3858401.99	4.93E-01	1.20E-04	3.51E-02	5.92E-03	5.34E-01	5.15E-01	1.23E+00	3.20E+00	2.02E-01	5.15E+00	5.14E-01	1.41E-04	3.51E-02	5.92E-03	5.55E-01
1422	495111.06	3858401.99	4.91E-01	1.13E-04	3.46E-02	5.88E-03	5.32E-01	5.12E-01	1.15E+00	3.16E+00	2.01E-01	5.02E+00	5.11E-01	1.32E-04	3.46E-02	5.88E-03	5.52E-01
1423	495161.06	3858401.99	4.91E-01	1.13E-04	3.44E-02	5.86E-03	5.31E-01	5.12E-01	1.15E+00	3.14E+00	2.01E-01	5.01E+00	5.11E-01	1.32E-04	3.44E-02	5.86E-03	5.51E-01
1424	495211.06	3858401.99	4.18E-01	1.10E-04	3.42E-02	5.76E-03	4.58E-01	4.36E-01	1.13E+00	3.12E+00	1.97E-01	4.88E+00	4.35E-01	1.29E-04	3.42E-02	5.76E-03	4.75E-01
1425	495261.06	3858401.99	4.17E-01	1.05E-04	3.39E-02	5.73E-03	4.56E-01	4.35E-01	1.08E+00	3.10E+00	1.96E-01	4.80E+00	4.34E-01	1.23E-04	3.39E-02	5.73E-03	4.74E-01
1426	495311.06	3858401.99	4.15E-01	1.05E-04	3.37E-02	5.62E-03	4.55E-01	4.33E-01	1.07E+00	3.08E+00	1.92E-01	4.77E+00	4.32E-01	1.23E-04	3.37E-02	5.62E-03	4.72E-01
1427	495361.06	3858401.99	4.14E-01	1.05E-04	3.35E-02	5.60E-03	4.53E-01	4.32E-01	1.07E+00	3.06E+00	1.92E-01	4.75E+00	4.31E-01	1.23E-04	3.35E-02	5.60E-03	4.70E-01
1428	495411.06	3858401.99	4.13E-01	1.05E-04	3.33E-02	5.58E-03	4.52E-01	4.31E-01	1.07E+00	3.04E+00	1.91E-01	4.73E+00	4.30E-01	1.23E-04	3.33E-02	5.58E-03	4.69E-01
1429	495461.06	3858401.99	4.13E-01	1.05E-04	3.32E-02	5.56E-03	4.52E-01	4.31E-01	1.07E+00	3.02E+00	1.90E-01	4.72E+00	4.30E-01	1.23E-04	3.32E-02	5.56E-03	4.69E-01
1430	495511.06	3858401.99	4.15E-01	1.05E-04	3.30E-02	5.53E-03	4.53E-01	4.33E-01	1.07E+00	3.01E+00	1.89E-01	4.70E+00	4.32E-01	1.22E-04	3.30E-02	5.53E-03	4.71E-01
1431	495561.06	3858401.99	4.16E-01	1.05E-04	3.28E-02	5.51E-03	4.54E-01	4.34E-01	1.07E+00	2.99E+00	1.88E-01	4.68E+00	4.33E-01	1.22E-04	3.28E-02	5.51E-03	4.71E-01
1432	495611.06	3858401.99	4.17E-01	1.04E-04	3.26E-02	5.49E-03	4.55E-01	4.35E-01	1.07E+00	2.98E+00	1.88E-01	4.67E+00	4.35E-01	1.22E-04	3.26E-02	5.49E-03	4.73E-01
1433	495661.06	3858401.99	4.19E-01	1.04E-04	3.25E-02	5.47E-03	4.57E-01	4.38E-01	1.07E+00	2.96E+00	1.87E-01	4.65E+00	4.37E-01	1.22E-04	3.25E-02	5.47E-03	4.75E-01
1434	494311.06	3858451.99	5.92E-01	1.22E-04	4.37E-02	6.33E-03	6.42E-01	6.17E-01	1.25E+00	3.98E+00	2.17E-01	6.07E+00	6.16E-01	1.43E-04	4.37E-02	6.33E-03	6.66E-01
1435	494361.06	3858451.99	5.90E-01	1.22E-04	4.34E-02	6.32E-03	6.40E-01	6.16E-01	1.25E+00	3.95E+00	2.16E-01	6.04E+00	6.14E-01	1.43E-04	4.34E-02	6.32E-03	6.64E-01
1436	494411.06	3858451.99	5.91E-01	1.22E-04	4.31E-02	6.32E-03	6.40E-01	6.16E-01	1.25E+00	3.93E+00	2.16E-01	6.01E+00	6.15E-01	1.43E-04	4.31E-02	6.32E-03	6.65E-01
1437	494461.06	3858451.99	5.92E-01	1.22E-04	4.28E-02	6.31E-03	6.41E-01	6.18E-01	1.25E+00	3.90E+00	2.16E-01	5.99E+00	6.16E-01	1.43E-04	4.28E-02	6.31E-03	6.66E-01
1438	494511.06	3858451.99	5.94E-01	1.22E-04	4.26E-02	6.30E-03	6.43E-01	6.20E-01	1.25E+00	3.89E+00	2.15E-01	5.97E+00	6.19E-01	1.43E-04	4.26E-02	6.30E-03	6.68E-01
1439	494561.06	3858451.99	5.95E-01	1.23E-04	4.23E-02	6.29E-03	6.43E-01	6.20E-01	1.25E+00	3.86E+00	2.15E-01	5.95E+00	6.19E-01	1.43E-04	4.23E-02	6.29E-03	6.68E-01
1440	494611.06	3858451.99	5.97E-01	1.23E-04	4.21E-02	6.28E-03	6.45E-01	6.23E-01	1.25E+00	3.84E+00	2.15E-01	5.93E+00	6.21E-01	1.43E-04	4.21E-02	6.28E-03	6.70E-01
1441	494661.06	3858451.99	5.98E-01	1.23E-04	4.19E-02	6.28E-03	6.46E-01	6.24E-01	1.25E+00	3.82E+00	2.15E-01	5.91E+00	6.23E-01	1.44E-04	4.19E-02	6.28E-03	6.71E-01
1442	494711.06	3858451.99	5.99E-01	1.23E-04	4.16E-02	6.28E-03	6.47E-01	6.25E-01	1.25E+00	3.80E+00	2.15E-01	5.89E+00	6.24E-01	1.44E-04	4.16E-02	6.28E-03	6.72E-01
1443	494761.06	3858451.99	5.99E-01	1.23E-04	4.14E-02	6.28E-03	6.47E-01	6.25E-01	1.26E+00	3.78E+00	2.15E-01	5.87E+00	6.24E-01	1.44E-04	4.14E-02	6.28E-03	6.72E-01
1444	494811.06	3858451.99	6.00E-01	1.23E-04	4.05E-02	6.27E-03	6.47E-01	6.26E-01	1.26E+00	3.69E+00	2.15E-01	5.79E+00	6.25E-01	1.44E-04	4.05E-02	6.27E-03	6.72E-01
1445	494861.06	3858451.99	4.95E-01	1.23E-04	3.92E-02	6.27E-03	5.41E-01	5.17E-01	1.26E+00	3.58E+00	2.14E-01	5.57E+00	5.16E-01	1.44E-04	3.92E-02	6.27E-03	5.62E-01
1446	494911.06	3858451.99	4.94E-01	1.23E-04	3.90E-02	6.26E-03	5.39E-01	5.15E-01	1.26E+00	3.56E+00	2.14E-01	5.54E+00	5.14E-01	1.44E-04	3.90E-02	6.26E-03	5.60E-01
1447	494961.06	3858451.99	4.93E-01	1.23E-04	3.86E-02	6.26E-03	5.38E-01	5.14E-01	1.26E+00	3.52E+00	2.14E-01	5.51E+00	5.13E-01	1.44E-04	3.86E-02	6.26E-03	5.59E-01
1448	495011.06	3858451.99	4.91E-01	1.23E-04	3.83E-02	6.25E-03	5.36E-01	5.13E-01	1.26E+00	3.49E+00	2.14E-01	5.48E+00	5.12E-01	1.44E-04	3.83E-02	6.25E-03	5.56E-01
1449	495061.06	3858451.99	4.91E-01	1.23E-04	3.81E-02	6.24E-03	5.36E-01	5.13E-01	1.26E+00	3.47E+00	2.13E-01	5.46E+00	5.12E-01	1.44E-04	3.81E-02	6.24E-03	5.56E-01
1450	495111.06	3858451.99	4.90E-01	1.23E-04	3.68E-02	6.08E-03	5.33E-01	5.11E-01	1.26E+00	3.36E+00	2.08E-01	5.33E+00	5.10E-01	1.44E-04	3.68E-02	6.08E-03	5.53E-01
1451	495161.06	3858451.99	4.88E-01	1.23E-04	3.41E-02	5.89E-03	5.29E-01	5.10E-01	1.26E+00	3.11E+00	2.01E-01	5.08E+00	5.09E-01	1.44E-04	3.41E-02	5.89E-03	5.49E-01
1452	495211.06	3858451.99	4.87E-01	1.15E-04	3.39E-02	5.87E-03	5.27E-01	5.08E-01	1.17E+00	3.10E+00	2.01E-01	4.98E+00	5.07E-01	1.34E-04	3.39E-02	5.87E-03	5.47E-01
1453	495261.06	3858451.99	4.86E-01	1.13E-04	3.38E-02	5.85E-03	5.26E-01	5.07E-01	1.15E+00	3.08E+00	2.00E-01	4.94E+00	5.06E-01	1.32E-04	3.38E-02	5.85E-03	5.46E-01
1454	495311.06	3858451.99	4.86E-01	1.13E-04	3.36E-02	5.82E-03	5.25E-01	5.07E-01	1.15E+00	3.06E+00	1.99E-01	4.92E+00	5.06E-01	1.32E-04	3.36E-02	5.82E-03	5.45E-01
1455	495361.06	3858451.99	4.14E-01	1.12E-04	3.34E-02	5.78E-03	4.54E-01	4.32E-01	1.15E+00	3.04E+00	1.98E-01	4.82E+00	4.32E-01	1.31E-04	3.34E-02	5.78E-03	4.71E-01
1456	495411.06	3858451.99	4.14E-01	1.12E-04	3.32E-02	5.77E-03	4.53E-01	4.32E-01	1.15E+00	3.03E+00	1.97E-01	4.80E+00	4.31E-01	1.31E-04	3.32E-02	5.77E-03	4.70E-01
1457	495461.06	3858451.99	4.14E-01	1.12E-04	3.30E-02	5.75E-03	4.53E-01	4.32E-01	1.14E+00	3.01E+00	1.97E-01	4.78E+00	4.31E-01	1.31E-04	3.30E-02	5.75E-03	4.70E-01
1458	495511.06	3858451.99	4.13E-01	1.12E-04	3.28E-02	5.68E-03	4.51E-01	4.30E-01	1.14E+00	2.99E+00	1.94E-01	4.76E+00	4.30E-01	1.31E-04	3.28E-02	5.68E-03	4.68E-01
1459	495561.06	3858451.99	4.12E-01	1.12E-04	3.27E-02	5.71E-03	4.51E-01	4.30E-01	1.14E+00	2.98E+00	1.95E-01	4.74E+00	4.29E-01	1.31E-04	3.27E-02	5.71E-03	4.68E-01
1460	495611.06	3858451.99	4.11E-01	1.07E-04	3.25E-02	5.64E-03	4.49E-01	4.29E-01	1.09E+00	2.96E+00	1.93E-01	4.67E+00	4.28E-01	1.25E-04	3.25E-02	5.64E-03	4.66E-01

1461	495661.06	3858451.99	4.11E-01	1.11E-04	3.23E-02	5.62E-03	4.49E-01	4.29E-01	1.14E+00	2.94E+00	1.92E-01	4.70E+00	4.28E-01	1.30E-04	3.23E-02	5.62E-03	4.66E-01
1462	494311.06	3858501.99	5.85E-01	1.26E-04	4.63E-02	6.32E-03	6.38E-01	6.10E-01	1.29E+00	4.22E+00	2.16E-01	6.34E+00	6.09E-01	1.48E-04	4.63E-02	6.32E-03	6.62E-01
1463	494361.06	3858501.99	5.85E-01	1.26E-04	4.59E-02	6.31E-03	6.37E-01	6.10E-01	1.29E+00	4.18E+00	2.16E-01	6.30E+00	6.09E-01	1.48E-04	4.59E-02	6.31E-03	6.62E-01
1464	494411.06	3858501.99	5.84E-01	1.26E-04	4.49E-02	6.30E-03	6.36E-01	6.10E-01	1.29E+00	4.09E+00	2.16E-01	6.21E+00	6.08E-01	1.47E-04	4.49E-02	6.30E-03	6.60E-01
1465	494461.06	3858501.99	5.86E-01	1.26E-04	4.33E-02	6.29E-03	6.35E-01	6.11E-01	1.29E+00	3.95E+00	2.15E-01	6.07E+00	6.10E-01	1.47E-04	4.33E-02	6.29E-03	6.60E-01
1466	494511.06	3858501.99	5.82E-01	1.26E-04	4.21E-02	6.29E-03	6.31E-01	6.08E-01	1.29E+00	3.84E+00	2.15E-01	5.95E+00	6.07E-01	1.47E-04	4.21E-02	6.29E-03	6.55E-01
1467	494561.06	3858501.99	5.89E-01	1.26E-04	4.19E-02	6.28E-03	6.37E-01	6.14E-01	1.29E+00	3.82E+00	2.15E-01	5.94E+00	6.13E-01	1.47E-04	4.19E-02	6.28E-03	6.62E-01
1468	494611.06	3858501.99	5.87E-01	1.26E-04	4.16E-02	6.28E-03	6.35E-01	6.13E-01	1.28E+00	3.80E+00	2.15E-01	5.91E+00	6.12E-01	1.47E-04	4.16E-02	6.28E-03	6.60E-01
1469	494661.06	3858501.99	5.89E-01	1.26E-04	4.14E-02	6.28E-03	6.37E-01	6.15E-01	1.28E+00	3.77E+00	2.15E-01	5.89E+00	6.13E-01	1.47E-04	4.14E-02	6.28E-03	6.61E-01
1470	494711.06	3858501.99	5.88E-01	1.26E-04	4.10E-02	6.28E-03	6.35E-01	6.14E-01	1.28E+00	3.74E+00	2.15E-01	5.85E+00	6.12E-01	1.47E-04	4.10E-02	6.28E-03	6.60E-01
1471	494761.06	3858501.99	5.87E-01	1.26E-04	4.08E-02	6.28E-03	6.34E-01	6.12E-01	1.28E+00	3.72E+00	2.15E-01	5.83E+00	6.11E-01	1.47E-04	4.08E-02	6.28E-03	6.58E-01
1472	494811.06	3858501.99	5.88E-01	1.26E-04	4.06E-02	6.28E-03	6.35E-01	6.13E-01	1.28E+00	3.71E+00	2.15E-01	5.82E+00	6.12E-01	1.47E-04	4.06E-02	6.28E-03	6.59E-01
1473	494861.06	3858501.99	5.89E-01	1.26E-04	4.05E-02	6.28E-03	6.36E-01	6.15E-01	1.28E+00	3.69E+00	2.15E-01	5.80E+00	6.14E-01	1.47E-04	4.05E-02	6.28E-03	6.61E-01
1474	494911.06	3858501.99	5.89E-01	1.26E-04	3.96E-02	6.28E-03	6.35E-01	6.14E-01	1.28E+00	3.61E+00	2.15E-01	5.72E+00	6.13E-01	1.47E-04	3.96E-02	6.28E-03	6.59E-01
1475	494961.06	3858501.99	4.89E-01	1.26E-04	3.84E-02	6.27E-03	5.34E-01	5.10E-01	1.28E+00	3.51E+00	2.15E-01	5.52E+00	5.09E-01	1.47E-04	3.84E-02	6.27E-03	5.54E-01
1476	495011.06	3858501.99	4.88E-01	1.26E-04	3.77E-02	6.27E-03	5.32E-01	5.09E-01	1.28E+00	3.44E+00	2.14E-01	5.45E+00	5.08E-01	1.47E-04	3.77E-02	6.27E-03	5.52E-01
1477	495061.06	3858501.99	4.88E-01	1.26E-04	3.76E-02	6.26E-03	5.32E-01	5.09E-01	1.28E+00	3.43E+00	2.14E-01	5.43E+00	5.08E-01	1.47E-04	3.76E-02	6.26E-03	5.52E-01
1478	495111.06	3858501.99	4.85E-01	1.26E-04	3.72E-02	6.25E-03	5.29E-01	5.06E-01	1.28E+00	3.39E+00	2.14E-01	5.40E+00	5.05E-01	1.47E-04	3.72E-02	6.25E-03	5.49E-01
1479	495161.06	3858501.99	4.84E-01	1.26E-04	3.67E-02	6.15E-03	5.27E-01	5.05E-01	1.28E+00	3.35E+00	2.10E-01	5.35E+00	5.04E-01	1.47E-04	3.67E-02	6.15E-03	5.47E-01
1480	495211.06	3858501.99	4.83E-01	1.26E-04	3.49E-02	5.95E-03	5.24E-01	5.04E-01	1.28E+00	3.18E+00	2.03E-01	5.18E+00	5.03E-01	1.47E-04	3.49E-02	5.95E-03	5.44E-01
1481	495261.06	3858501.99	4.83E-01	1.26E-04	3.35E-02	5.87E-03	5.23E-01	5.04E-01	1.28E+00	3.05E+00	2.01E-01	5.04E+00	5.03E-01	1.47E-04	3.35E-02	5.87E-03	5.43E-01
1482	495311.06	3858501.99	4.83E-01	1.26E-04	3.33E-02	5.85E-03	5.23E-01	5.04E-01	1.28E+00	3.04E+00	2.00E-01	5.02E+00	5.03E-01	1.47E-04	3.33E-02	5.85E-03	5.43E-01
1483	495361.06	3858501.99	4.83E-01	1.26E-04	3.31E-02	5.83E-03	5.22E-01	5.04E-01	1.28E+00	3.02E+00	1.99E-01	5.01E+00	5.03E-01	1.47E-04	3.31E-02	5.83E-03	5.42E-01
1484	495411.06	3858501.99	4.84E-01	1.16E-04	3.29E-02	5.81E-03	5.22E-01	5.05E-01	1.19E+00	3.00E+00	1.99E-01	4.90E+00	5.04E-01	1.36E-04	3.29E-02	5.81E-03	5.42E-01
1485	495461.06	3858501.99	4.84E-01	1.16E-04	3.28E-02	5.79E-03	5.22E-01	5.05E-01	1.19E+00	2.99E+00	1.98E-01	4.88E+00	5.04E-01	1.36E-04	3.28E-02	5.79E-03	5.42E-01
1486	495511.06	3858501.99	4.83E-01	1.16E-04	3.26E-02	5.77E-03	5.22E-01	5.04E-01	1.18E+00	2.97E+00	1.97E-01	4.86E+00	5.03E-01	1.36E-04	3.26E-02	5.77E-03	5.42E-01
1487	495561.06	3858501.99	4.84E-01	1.26E-04	3.25E-02	5.75E-03	5.22E-01	5.05E-01	1.28E+00	2.96E+00	1.97E-01	4.95E+00	5.04E-01	1.47E-04	3.25E-02	5.75E-03	5.42E-01
1488	495611.06	3858501.99	4.83E-01	1.26E-04	3.24E-02	5.75E-03	5.21E-01	5.04E-01	1.28E+00	2.95E+00	1.97E-01	4.94E+00	5.03E-01	1.47E-04	3.24E-02	5.75E-03	5.41E-01
1489	495661.06	3858501.99	4.83E-01	1.15E-04	3.22E-02	5.72E-03	5.21E-01	5.04E-01	1.18E+00	2.93E+00	1.95E-01	4.81E+00	5.03E-01	1.35E-04	3.22E-02	5.72E-03	5.41E-01
1490	494311.06	3858551.99	5.63E-01	1.30E-04	5.08E-02	6.33E-03	6.21E-01	5.88E-01	1.32E+00	4.64E+00	2.17E-01	6.76E+00	5.87E-01	1.52E-04	5.08E-02	6.33E-03	6.44E-01
1491	494361.06	3858551.99	5.75E-01	1.29E-04	5.43E-02	6.36E-03	6.36E-01	6.00E-01	1.32E+00	4.96E+00	2.17E-01	7.10E+00	5.98E-01	1.51E-04	5.43E-02	6.36E-03	6.59E-01
1492	494411.06	3858551.99	5.86E-01	1.29E-04	5.18E-02	6.35E-03	6.44E-01	6.11E-01	1.32E+00	4.72E+00	2.17E-01	6.87E+00	6.10E-01	1.51E-04	5.18E-02	6.35E-03	6.68E-01
1493	494461.06	3858551.99	5.92E-01	1.29E-04	5.15E-02	6.36E-03	6.50E-01	6.18E-01	1.32E+00	4.70E+00	2.17E-01	6.85E+00	6.17E-01	1.51E-04	5.15E-02	6.36E-03	6.75E-01
1494	494511.06	3858551.99	5.93E-01	1.29E-04	4.97E-02	6.34E-03	6.49E-01	6.18E-01	1.32E+00	4.53E+00	2.17E-01	6.68E+00	6.17E-01	1.51E-04	4.97E-02	6.34E-03	6.73E-01
1495	494561.06	3858551.99	5.94E-01	1.29E-04	4.92E-02	6.34E-03	6.50E-01	6.20E-01	1.32E+00	4.49E+00	2.17E-01	6.65E+00	6.19E-01	1.51E-04	4.92E-02	6.34E-03	6.75E-01
1496	494611.06	3858551.99	5.92E-01	1.29E-04	4.67E-02	6.32E-03	6.45E-01	6.17E-01	1.32E+00	4.26E+00	2.16E-01	6.41E+00	6.16E-01	1.51E-04	4.67E-02	6.32E-03	6.69E-01
1497	494661.06	3858551.99	5.91E-01	1.29E-04	4.49E-02	6.30E-03	6.42E-01	6.17E-01	1.32E+00	4.09E+00	2.15E-01	6.24E+00	6.15E-01	1.51E-04	4.49E-02	6.30E-03	6.67E-01
1498	494711.06	3858551.99	5.85E-01	1.29E-04	4.39E-02	6.28E-03	6.36E-01	6.11E-01	1.31E+00	4.00E+00	2.15E-01	6.14E+00	6.10E-01	1.51E-04	4.39E-02	6.28E-03	6.60E-01
1499	494761.06	3858551.99	5.81E-01	1.29E-04	4.09E-02	6.28E-03	6.29E-01	6.06E-01	1.31E+00	3.73E+00	2.15E-01	5.87E+00	6.05E-01	1.50E-04	4.09E-02	6.28E-03	6.53E-01
1500	494811.06	3858551.99	5.79E-01	1.28E-04	4.05E-02	6.28E-03	6.26E-01	6.05E-01	1.31E+00	3.69E+00	2.15E-01	5.82E+00	6.03E-01	1.50E-04	4.05E-02	6.28E-03	6.50E-01
1501	494861.06	3858551.99	5.78E-01	1.28E-04	4.02E-02	6.28E-03	6.24E-01	6.03E-01	1.31E+00	3.67E+00	2.15E-01	5.80E+00	6.02E-01	1.50E-04	4.02E-02	6.28E-03	6.48E-01
1502	494911.06	3858551.99	5.76E-01	1.28E-04	4.00E-02	6.28E-03	6.22E-01	6.01E-01	1.31E+00	3.65E+00	2.15E-01	5.77E+00	5.99E-01	1.50E-04	4.00E-02	6.28E-03	6.46E-01
1503	494961.06	3858551.99	5.77E-01	1.28E-04	3.98E-02	6.28E-03	6.23E-01	6.02E-01	1.31E+00	3.63E+00	2.15E-01	5.75E+00	6.01E-01	1.50E-04	3.98E-02	6.28E-03	6.47E-01
1504	495011.06	3858551.99	5.77E-01	1.28E-04	3.93E-02	6.27E-03	6.23E-01	6.02E-01	1.31E+00	3.58E+00	2.15E-01	5.71E+00	6.01E-01	1.50E-04	3.93E-02	6.27E-03	6.46E-01
1505	495061.06	3858551.99	4.82E-01	1.28E-04	3.81E-02	6.27E-03	5.27E-01	5.03E-01	1.31E+00	3.48E+00	2.14E-01	5.50E+00	5.02E-01	1.49E-04	3.81E-02	6.27E-03	5.47E-01
1506	495111.06	3858551.99	4.80E-01	1.28E-04	3.69E-02	6.27E-03	5.23E-01	5.01E-01	1.31E+00	3.36E+00	2.14E-01	5.38E+00	5.00E-01	1.49E-04	3.69E-02	6.27E-03	5.43E-01
1507	495161.06	3858551.99	4.79E-01	1.28E-04	3.66E-02	6.26E-03	5.22E-01	5.00E-01	1.30E+00	3.34E+00	2.14E-01	5.35E+00	4.99E-01	1.49E-04	3.66E-02	6.26E-03	5.42E-01
1508	495211.06	3858551.99	4.79E-01	1.28E-04	3.63E-02	6.24E-03	5.21E-01	4.99E-01	1.30E+00	3.31E+00	2.14E-01	5.33E+00	4.98E-01	1.49E-04	3.63E-02	6.24E-03	5.41E-01
1509	495261.06	3858551.99	4.79E-01	1.28E-04	3.61E-02	6.24E-03	5.21E-01	5.00E-01	1.30E+00	3.29E+00	2.13E-01	5.31E+00	4.99E-01	1.49E-04	3.61E-02	6.24E-03	5.41E-01
1510	495311.06	3858551.99	4.80E-01	1.28E-04	3.59E-02	6.23E-03	5.22E-01	5.01E-01	1.30E+00	3.28E+00	2.13E-01	5.29E+00	5.00E-01	1.49E-04	3.59E-02	6.23E-03	5.42E-01
1511	495361.06	3858551.99	4.80E-01	1.28E-04	3.58E-02	6.22E-03	5.23E-01	5.01E-01	1.30E+00	3.26E+00	2.13E-01	5.28E+00	5.00E-01	1.49E-04	3.58E-02	6.22E-03	5.42E-01
1512	495411.06	3858551.99	4.81E-01	1.28E-04	3.56E-02	6.22E-03	5.23E-01	5.02E-01	1.30E+00	3.25E+00	2.13E-01	5.27E+00	5.01E-01	1.49E-04	3.56E-02	6.22E-03	5.43E-01
1513	495461.06	3858551.99	4.82E-01	1.28E-04	3.55E-02	6.11E-03	5.24E-01	5.03E-01	1.30E+00	3.23E+00	2.09E-01	5.25E+00	5.02E-01	1.49E-04	3.55E-02	6.11E-03	5.44E-01
1514	495511.06	3858551.99	4.83E-01	1.28E-04	3.53E-02	6.20E-03	5.24E-01	5.04E-01	1.30E+00	3.22E+00	2.12E-01	5.24E+00	5.03E-01	1.49E-04	3.53E-02	6.20E-03	5.44E-01
1515	495561.06	3858551.99	4.83E-01	1.27E-04	3.51E-02	6.09E-03	5.24E-01	5.04E-01	1.30E+00	3.20E+00	2.08E-01	5.22E+00	5.03E-01	1.49E-04	3.51E-02	6.09E-03	5.44E-01
1516	495611.06	3858551.99	4.83E-01	1.27E-04	3.47E-02	6.08E-03	5.24E-01	5.04E-01	1.30E+00	3.16E+00	2.08E-01	5.18E+00	5.03E-01	1.49E-04	3.47E-02	6.08E-03	5.44E-01
1517	495661.06	3858551.99	4.83E-01	1.27E-04	3.39E-02	6.01E-03	5.23E-01	5.04E-01	1.30E+00	3.09E+00	2.06E-01	5.10E+00	5.03E-01	1.49E-04	3.39E-02	6.01E-03	5.43E-01
1518	494311.06	3858601.99	5.18E-01	1.32E-04	4.21E-02	6.28E-03	5.67E-01	5.41E-01	1.35E+00	3.84E+00	2.15E-01	5.94E+00	5.39E-01	1.55E-04	4.21E-02	6.28E-03	5.88E-01
1519	494361.06	3858601.99	5.58E-01	1.32E-04	5.59E-02	6.36E-03	6.20E-01	5.82E-01	1.35E+00	5.10E+00	2.18E-01	7.25E+00	5.81E-01	1.55E-04	5.59E-02	6.36E-03	6.44E-01
1520	494411.06	3858601.99	6.13E-01	1.32E-04	5.52E-02	6.44E-03	6.75E-01	6.40E-01	1.35E+00	5.03E+00	2.20E-01	7.25E+00	6.38E-01	1.55E-04	5.52E-02	6.44E-03	7.00E-01
1521	494461.06	3858601.99	6.20E-01	1.32E-04	5.49E-02	6.45E-03	6.82E-01	6.47E-01	1.35E+00	5.01E+00	2.20E-01	7.23E+00	6.46E-01	1.55E-04	5.49E-02	6.45E-03	7.07E-01

1522	494511.06	3858601.99	6.08E-01	1.32E-04	5.55E-02	6.44E-03	6.71E-01	6.35E-01	1.35E+00	5.07E+00	2.20E-01	7.27E+00	6.34E-01	1.54E-04	5.55E-02	6.44E-03	6.96E-01
1523	494561.06	3858601.99	6.25E-01	1.32E-04	5.39E-02	6.43E-03	6.85E-01	6.52E-01	1.35E+00	4.91E+00	2.20E-01	7.13E+00	6.51E-01	1.54E-04	5.39E-02	6.43E-03	7.11E-01
1524	494611.06	3858601.99	6.14E-01	1.32E-04	5.26E-02	6.40E-03	6.73E-01	6.41E-01	1.35E+00	4.80E+00	2.19E-01	7.00E+00	6.39E-01	1.54E-04	5.26E-02	6.40E-03	6.99E-01
1525	494661.06	3858601.99	6.09E-01	1.32E-04	5.18E-02	6.38E-03	6.68E-01	6.36E-01	1.34E+00	4.73E+00	2.18E-01	6.92E+00	6.34E-01	1.54E-04	5.18E-02	6.38E-03	6.93E-01
1526	494711.06	3858601.99	6.00E-01	1.31E-04	5.08E-02	6.35E-03	6.57E-01	6.26E-01	1.34E+00	4.64E+00	2.17E-01	6.82E+00	6.24E-01	1.54E-04	5.08E-02	6.35E-03	6.82E-01
1527	494761.06	3858601.99	5.91E-01	1.31E-04	4.75E-02	6.32E-03	6.45E-01	6.16E-01	1.34E+00	4.34E+00	2.16E-01	6.51E+00	6.15E-01	1.53E-04	4.75E-02	6.32E-03	6.69E-01
1528	494811.06	3858601.99	5.77E-01	1.31E-04	4.47E-02	6.28E-03	6.28E-01	6.02E-01	1.34E+00	4.07E+00	2.15E-01	6.23E+00	6.01E-01	1.53E-04	4.47E-02	6.28E-03	6.52E-01
1529	494861.06	3858601.99	5.74E-01	1.31E-04	4.25E-02	6.27E-03	6.23E-01	5.99E-01	1.34E+00	3.87E+00	2.14E-01	6.02E+00	5.98E-01	1.53E-04	4.25E-02	6.27E-03	6.47E-01
1530	494911.06	3858601.99	5.66E-01	1.31E-04	3.97E-02	6.27E-03	6.12E-01	5.90E-01	1.33E+00	3.62E+00	2.14E-01	5.76E+00	5.89E-01	1.53E-04	3.97E-02	6.27E-03	6.35E-01
1531	494961.06	3858601.99	5.64E-01	1.30E-04	3.95E-02	6.27E-03	6.10E-01	5.88E-01	1.33E+00	3.60E+00	2.14E-01	5.74E+00	5.87E-01	1.53E-04	3.95E-02	6.27E-03	6.33E-01
1532	495011.06	3858601.99	5.63E-01	1.30E-04	3.93E-02	6.27E-03	6.08E-01	5.87E-01	1.33E+00	3.59E+00	2.14E-01	5.72E+00	5.86E-01	1.52E-04	3.93E-02	6.27E-03	6.32E-01
1533	495061.06	3858601.99	5.62E-01	1.30E-04	3.91E-02	6.26E-03	6.08E-01	5.87E-01	1.33E+00	3.57E+00	2.14E-01	5.70E+00	5.85E-01	1.52E-04	3.91E-02	6.26E-03	6.31E-01
1534	495111.06	3858601.99	4.72E-01	1.30E-04	3.77E-02	6.26E-03	5.16E-01	4.92E-01	1.33E+00	3.44E+00	2.14E-01	5.47E+00	4.91E-01	1.52E-04	3.77E-02	6.26E-03	5.35E-01
1535	495161.06	3858601.99	4.72E-01	1.30E-04	3.66E-02	6.26E-03	5.15E-01	4.92E-01	1.32E+00	3.34E+00	2.14E-01	5.37E+00	4.91E-01	1.52E-04	3.66E-02	6.26E-03	5.34E-01
1536	495211.06	3858601.99	4.73E-01	1.29E-04	3.64E-02	6.25E-03	5.16E-01	4.93E-01	1.32E+00	3.32E+00	2.14E-01	5.35E+00	4.92E-01	1.51E-04	3.64E-02	6.25E-03	5.35E-01
1537	495261.06	3858601.99	4.73E-01	1.29E-04	3.62E-02	6.25E-03	5.16E-01	4.94E-01	1.32E+00	3.30E+00	2.14E-01	5.33E+00	4.93E-01	1.51E-04	3.62E-02	6.25E-03	5.35E-01
1538	495311.06	3858601.99	4.74E-01	1.29E-04	3.60E-02	6.23E-03	5.17E-01	4.95E-01	1.32E+00	3.28E+00	2.13E-01	5.31E+00	4.94E-01	1.51E-04	3.60E-02	6.23E-03	5.36E-01
1539	495361.06	3858601.99	4.76E-01	1.29E-04	3.58E-02	6.23E-03	5.18E-01	4.96E-01	1.32E+00	3.26E+00	2.13E-01	5.29E+00	4.95E-01	1.51E-04	3.58E-02	6.23E-03	5.38E-01
1540	495411.06	3858601.99	4.77E-01	1.29E-04	3.56E-02	6.22E-03	5.19E-01	4.98E-01	1.32E+00	3.24E+00	2.13E-01	5.27E+00	4.97E-01	1.51E-04	3.56E-02	6.22E-03	5.39E-01
1541	495461.06	3858601.99	4.78E-01	1.29E-04	3.54E-02	6.21E-03	5.20E-01	4.99E-01	1.32E+00	3.23E+00	2.12E-01	5.26E+00	4.98E-01	1.51E-04	3.54E-02	6.21E-03	5.40E-01
1542	495511.06	3858601.99	4.79E-01	1.29E-04	3.52E-02	6.20E-03	5.20E-01	4.99E-01	1.32E+00	3.21E+00	2.12E-01	5.24E+00	4.98E-01	1.51E-04	3.52E-02	6.20E-03	5.40E-01
1543	495561.06	3858601.99	4.80E-01	1.29E-04	3.50E-02	6.19E-03	5.22E-01	5.01E-01	1.32E+00	3.19E+00	2.12E-01	5.22E+00	5.00E-01	1.51E-04	3.50E-02	6.19E-03	5.41E-01
1544	495611.06	3858601.99	4.80E-01	1.29E-04	3.48E-02	6.18E-03	5.21E-01	5.01E-01	1.31E+00	3.17E+00	2.11E-01	5.20E+00	5.00E-01	1.51E-04	3.48E-02	6.18E-03	5.41E-01
1545	495661.06	3858601.99	4.81E-01	1.29E-04	3.46E-02	6.17E-03	5.22E-01	5.02E-01	1.31E+00	3.15E+00	2.11E-01	5.18E+00	5.01E-01	1.50E-04	3.46E-02	6.17E-03	5.42E-01
1546	494311.06	3858651.99	4.97E-01	1.35E-04	4.12E-02	6.30E-03	5.45E-01	5.19E-01	1.38E+00	3.76E+00	2.15E-01	5.87E+00	5.18E-01	1.58E-04	4.12E-02	6.30E-03	5.66E-01
1547	494361.06	3858651.99	5.37E-01	1.35E-04	5.57E-02	6.37E-03	6.00E-01	5.61E-01	1.37E+00	5.08E+00	2.18E-01	7.23E+00	5.60E-01	1.57E-04	5.57E-02	6.37E-03	6.22E-01
1548	494411.06	3858651.99	6.33E-01	1.46E-04	7.14E-02	6.56E-03	7.11E-01	6.60E-01	1.49E+00	6.51E+00	2.24E-01	8.89E+00	6.59E-01	1.71E-04	7.14E-02	6.56E-03	7.37E-01
1549	494461.06	3858651.99	6.52E-01	1.46E-04	6.26E-02	6.53E-03	7.21E-01	6.80E-01	1.49E+00	5.71E+00	2.23E-01	8.10E+00	6.79E-01	1.70E-04	6.26E-02	6.53E-03	7.48E-01
1550	494511.06	3858651.99	6.51E-01	1.45E-04	6.11E-02	6.51E-03	7.19E-01	6.79E-01	1.49E+00	5.57E+00	2.23E-01	7.96E+00	6.78E-01	1.70E-04	6.11E-02	6.51E-03	7.46E-01
1551	494561.06	3858651.99	6.56E-01	1.45E-04	6.04E-02	6.50E-03	7.23E-01	6.85E-01	1.48E+00	5.51E+00	2.22E-01	7.90E+00	6.84E-01	1.70E-04	6.04E-02	6.50E-03	7.51E-01
1552	494611.06	3858651.99	6.56E-01	1.45E-04	5.90E-02	6.49E-03	7.22E-01	6.84E-01	1.48E+00	5.38E+00	2.22E-01	7.77E+00	6.83E-01	1.70E-04	5.90E-02	6.49E-03	7.49E-01
1553	494661.06	3858651.99	6.46E-01	1.45E-04	5.66E-02	6.47E-03	7.09E-01	6.74E-01	1.48E+00	5.16E+00	2.21E-01	7.54E+00	6.73E-01	1.70E-04	5.66E-02	6.47E-03	7.36E-01
1554	494711.06	3858651.99	6.26E-01	1.33E-04	5.35E-02	6.43E-03	6.86E-01	6.53E-01	1.36E+00	4.88E+00	2.20E-01	7.12E+00	6.52E-01	1.56E-04	5.35E-02	6.43E-03	7.12E-01
1555	494761.06	3858651.99	6.14E-01	1.33E-04	5.19E-02	6.40E-03	6.72E-01	6.40E-01	1.36E+00	4.74E+00	2.19E-01	6.96E+00	6.39E-01	1.56E-04	5.19E-02	6.40E-03	6.98E-01
1556	494811.06	3858651.99	5.93E-01	1.33E-04	5.01E-02	6.35E-03	6.49E-01	6.18E-01	1.36E+00	4.57E+00	2.17E-01	6.77E+00	6.17E-01	1.56E-04	5.01E-02	6.35E-03	6.74E-01
1557	494861.06	3858651.99	5.79E-01	1.33E-04	4.68E-02	6.31E-03	6.33E-01	6.04E-01	1.36E+00	4.27E+00	2.16E-01	6.45E+00	6.03E-01	1.55E-04	4.68E-02	6.31E-03	6.57E-01
1558	494911.06	3858651.99	5.67E-01	1.33E-04	4.46E-02	6.27E-03	6.18E-01	5.91E-01	1.35E+00	4.07E+00	2.14E-01	6.23E+00	5.90E-01	1.55E-04	4.46E-02	6.27E-03	6.41E-01
1559	494961.06	3858651.99	5.60E-01	1.32E-04	4.10E-02	6.25E-03	6.07E-01	5.84E-01	1.35E+00	3.74E+00	2.14E-01	5.89E+00	5.83E-01	1.55E-04	4.10E-02	6.25E-03	6.31E-01
1560	495011.06	3858651.99	5.56E-01	1.32E-04	3.89E-02	6.25E-03	6.01E-01	5.80E-01	1.35E+00	3.54E+00	2.14E-01	5.69E+00	5.79E-01	1.55E-04	3.89E-02	6.25E-03	6.24E-01
1561	495061.06	3858651.99	5.51E-01	1.32E-04	3.87E-02	6.25E-03	5.96E-01	5.74E-01	1.35E+00	3.53E+00	2.14E-01	5.66E+00	5.73E-01	1.54E-04	3.87E-02	6.25E-03	6.18E-01
1562	495111.06	3858651.99	5.47E-01	1.32E-04	3.85E-02	6.25E-03	5.92E-01	5.70E-01	1.34E+00	3.51E+00	2.14E-01	5.64E+00	5.69E-01	1.54E-04	3.85E-02	6.25E-03	6.14E-01
1563	495161.06	3858651.99	5.47E-01	1.31E-04	3.83E-02	6.24E-03	5.92E-01	5.71E-01	1.34E+00	3.49E+00	2.14E-01	5.62E+00	5.70E-01	1.54E-04	3.83E-02	6.24E-03	6.14E-01
1564	495211.06	3858651.99	5.49E-01	1.31E-04	3.79E-02	6.24E-03	5.93E-01	5.73E-01	1.34E+00	3.46E+00	2.13E-01	5.58E+00	5.71E-01	1.53E-04	3.79E-02	6.24E-03	6.16E-01
1565	495261.06	3858651.99	5.53E-01	1.31E-04	3.77E-02	6.24E-03	5.97E-01	5.76E-01	1.34E+00	3.44E+00	2.13E-01	5.57E+00	5.75E-01	1.53E-04	3.77E-02	6.24E-03	6.19E-01
1566	495311.06	3858651.99	5.55E-01	1.31E-04	3.71E-02	6.23E-03	5.99E-01	5.79E-01	1.34E+00	3.38E+00	2.13E-01	5.51E+00	5.78E-01	1.53E-04	3.71E-02	6.23E-03	6.22E-01
1567	495361.06	3858651.99	4.69E-01	1.30E-04	3.67E-02	6.22E-03	5.13E-01	4.90E-01	1.33E+00	3.35E+00	2.13E-01	5.38E+00	4.89E-01	1.53E-04	3.67E-02	6.22E-03	5.32E-01
1568	495411.06	3858651.99	5.62E-01	1.30E-04	3.67E-02	6.22E-03	6.05E-01	5.87E-01	1.33E+00	3.35E+00	2.13E-01	5.48E+00	5.86E-01	1.52E-04	3.67E-02	6.22E-03	6.29E-01
1569	495461.06	3858651.99	5.66E-01	1.30E-04	3.66E-02	6.21E-03	6.09E-01	5.91E-01	1.33E+00	3.34E+00	2.12E-01	5.47E+00	5.89E-01	1.52E-04	3.66E-02	6.21E-03	6.32E-01
1570	495511.06	3858651.99	4.75E-01	1.30E-04	3.59E-02	6.20E-03	5.17E-01	4.95E-01	1.33E+00	3.28E+00	2.12E-01	5.31E+00	4.94E-01	1.52E-04	3.59E-02	6.20E-03	5.36E-01
1571	495561.06	3858651.99	4.75E-01	1.30E-04	3.51E-02	6.19E-03	5.17E-01	4.96E-01	1.32E+00	3.20E+00	2.12E-01	5.23E+00	4.95E-01	1.52E-04	3.51E-02	6.19E-03	5.37E-01
1572	495611.06	3858651.99	4.75E-01	1.29E-04	3.47E-02	6.18E-03	5.17E-01	4.96E-01	1.32E+00	3.17E+00	2.12E-01	5.20E+00	4.95E-01	1.51E-04	3.47E-02	6.18E-03	5.36E-01
1573	495661.06	3858651.99	4.77E-01	1.29E-04	3.46E-02	6.18E-03	5.18E-01	4.98E-01	1.32E+00	3.15E+00	2.11E-01	5.18E+00	4.97E-01	1.51E-04	3.46E-02	6.18E-03	5.37E-01
1574	494311.06	3858701.99	4.88E-01	1.36E-04	4.95E-02	6.32E-03	5.44E-01	5.10E-01	1.39E+00	4.51E+00	2.16E-01	6.63E+00	5.09E-01	1.59E-04	4.95E-02	6.32E-03	5.64E-01
1575	494361.06	3858701.99	6.00E-01	1.47E-04	6.74E-02	6.50E-03	6.74E-01	6.26E-01	1.51E+00	6.14E+00	2.22E-01	8.50E+00	6.25E-01	1.72E-04	6.74E-02	6.50E-03	6.99E-01
1576	494411.06	3858701.99	6.88E-01	1.47E-04	8.31E-02	6.63E-03	7.78E-01	7.18E-01	1.50E+00	7.58E+00	2.27E-01	1.00E+01	7.17E-01	1.72E-04	8.31E-02	6.63E-03	8.07E-01
1577	494461.06	3858701.99	6.99E-01	1.47E-04	8.43E-02	6.66E-03	7.90E-01	7.29E-01	1.50E+00	7.69E+00	2.28E-01	1.01E+01	7.28E-01	1.72E-04	8.43E-02	6.66E-03	8.19E-01
1578	494511.06	3858701.99	7.06E-01	1.47E-04	7.00E-02	6.60E-03	7.83E-01	7.37E-01	1.50E+00	6.39E+00	2.26E-01	8.85E+00	7.36E-01	1.72E-04	7.00E-02	6.60E-03	8.12E-01
1579	494561.06	3858701.99	7.02E-01	1.47E-04	6.87E-02	6.58E-03	7.77E-01	7.33E-01	1.50E+00	6.26E+00	2.25E-01	8.72E+00	7.31E-01	1.72E-04	6.87E-02	6.58E-03	8.07E-01
1580	494611.06	3858701.99	6.65E-01	1.46E-04	6.35E-02	6.53E-03	7.36E-01	6.94E-01	1.49E+00	5.79E+00	2.23E-01	8.21E+00	6.93E-01	1.71E-04	6.35E-02	6.53E-03	7.63E-01
1581	494661.06	3858701.99	6.75E-01	1.46E-04	6.38E-02	6.53E-03	7.46E-01	7.05E-01	1.49E+00	5.82E+00	2.23E-01	8.24E+00	7.03E-01	1.71E-04	6.38E-02	6.53E-03	7.74E-01
1582	494711.06	3858701.99	6.01E-01	1.35E-04	5.38E-02	6.39E-03	6.61E-01	6.27E-01	1.38E+00	4.91E+00	2.19E-01	7.13E+00	6.25E-01	1.58E-04	5.38E-02	6.39E-03	6.86E-01

1583	494761.06	3858701.99	6.31E-01	1.46E-04	5.61E-02	6.43E-03	6.93E-01	6.58E-01	1.49E+00	5.11E+00	2.20E-01	7.48E+00	6.57E-01	1.70E-04	5.61E-02	6.43E-03	7.19E-01
1584	494811.06	3858701.99	9.82E-01	1.34E-04	5.25E-02	6.38E-03	1.04E+00	1.02E+00	1.37E+00	4.79E+00	2.18E-01	7.40E+00	1.02E+00	1.57E-04	5.25E-02	6.38E-03	1.08E+00
1585	494861.06	3858701.99	5.89E-01	1.34E-04	5.04E-02	6.34E-03	6.46E-01	6.15E-01	1.37E+00	4.60E+00	2.17E-01	6.80E+00	6.14E-01	1.57E-04	5.04E-02	6.34E-03	6.71E-01
1586	494911.06	3858701.99	5.79E-01	1.34E-04	4.92E-02	6.32E-03	6.34E-01	6.04E-01	1.37E+00	4.49E+00	2.16E-01	6.67E+00	6.03E-01	1.56E-04	4.92E-02	6.32E-03	6.58E-01
1587	494961.06	3858701.99	5.55E-01	1.33E-04	4.55E-02	6.26E-03	6.07E-01	5.79E-01	1.36E+00	4.15E+00	2.14E-01	6.31E+00	5.78E-01	1.56E-04	4.55E-02	6.26E-03	6.30E-01
1588	495011.06	3858701.99	5.49E-01	1.33E-04	4.28E-02	6.22E-03	5.98E-01	5.73E-01	1.36E+00	3.90E+00	2.13E-01	6.05E+00	5.72E-01	1.56E-04	4.28E-02	6.22E-03	6.21E-01
1589	495061.06	3858701.99	5.50E-01	1.33E-04	4.10E-02	6.22E-03	5.97E-01	5.73E-01	1.36E+00	3.74E+00	2.13E-01	5.88E+00	5.72E-01	1.56E-04	4.10E-02	6.22E-03	6.20E-01
1590	495111.06	3858701.99	5.42E-01	1.33E-04	3.79E-02	6.22E-03	5.86E-01	5.65E-01	1.36E+00	3.45E+00	2.13E-01	5.59E+00	5.64E-01	1.55E-04	3.79E-02	6.22E-03	6.08E-01
1591	495161.06	3858701.99	5.40E-01	1.32E-04	3.77E-02	6.22E-03	5.84E-01	5.64E-01	1.35E+00	3.44E+00	2.13E-01	5.57E+00	5.63E-01	1.55E-04	3.77E-02	6.22E-03	6.07E-01
1592	495211.06	3858701.99	5.36E-01	1.32E-04	3.76E-02	6.22E-03	5.80E-01	5.60E-01	1.35E+00	3.43E+00	2.13E-01	5.55E+00	5.59E-01	1.55E-04	3.76E-02	6.22E-03	6.02E-01
1593	495261.06	3858701.99	5.39E-01	1.32E-04	3.74E-02	6.21E-03	5.83E-01	5.62E-01	1.35E+00	3.41E+00	2.12E-01	5.53E+00	5.61E-01	1.54E-04	3.74E-02	6.21E-03	6.05E-01
1594	495311.06	3858701.99	5.42E-01	1.32E-04	3.73E-02	6.20E-03	5.86E-01	5.66E-01	1.35E+00	3.40E+00	2.12E-01	5.52E+00	5.65E-01	1.54E-04	3.73E-02	6.20E-03	6.09E-01
1595	495361.06	3858701.99	5.45E-01	1.31E-04	3.71E-02	6.20E-03	5.89E-01	5.69E-01	1.34E+00	3.38E+00	2.12E-01	5.51E+00	5.68E-01	1.54E-04	3.71E-02	6.20E-03	6.11E-01
1596	495411.06	3858701.99	5.49E-01	1.31E-04	3.70E-02	6.19E-03	5.93E-01	5.73E-01	1.34E+00	3.37E+00	2.12E-01	5.50E+00	5.72E-01	1.53E-04	3.70E-02	6.19E-03	6.15E-01
1597	495461.06	3858701.99	5.52E-01	1.31E-04	3.68E-02	6.18E-03	5.95E-01	5.76E-01	1.34E+00	3.36E+00	2.12E-01	5.48E+00	5.75E-01	1.53E-04	3.68E-02	6.18E-03	6.18E-01
1598	495511.06	3858701.99	5.54E-01	1.31E-04	3.67E-02	6.18E-03	5.97E-01	5.78E-01	1.34E+00	3.34E+00	2.11E-01	5.47E+00	5.77E-01	1.53E-04	3.67E-02	6.18E-03	6.20E-01
1599	495561.06	3858701.99	5.56E-01	1.30E-04	3.65E-02	6.17E-03	5.99E-01	5.80E-01	1.33E+00	3.33E+00	2.11E-01	5.45E+00	5.79E-01	1.53E-04	3.65E-02	6.17E-03	6.22E-01
1600	495611.06	3858701.99	5.59E-01	1.30E-04	3.63E-02	6.17E-03	6.01E-01	5.83E-01	1.33E+00	3.31E+00	2.11E-01	5.44E+00	5.82E-01	1.52E-04	3.63E-02	6.17E-03	6.24E-01
1601	495661.06	3858701.99	5.61E-01	1.30E-04	3.62E-02	6.16E-03	6.04E-01	5.86E-01	1.33E+00	3.30E+00	2.11E-01	5.42E+00	5.85E-01	1.52E-04	3.62E-02	6.16E-03	6.27E-01
1602	494311.06	3858751.99	5.30E-01	1.37E-04	5.55E-02	6.34E-03	5.92E-01	5.53E-01	1.40E+00	5.06E+00	2.17E-01	7.23E+00	5.52E-01	1.60E-04	5.55E-02	6.34E-03	6.14E-01
1603	494361.06	3858751.99	7.12E-01	1.48E-04	8.19E-02	6.66E-03	8.01E-01	7.43E-01	1.51E+00	7.47E+00	2.28E-01	9.95E+00	7.42E-01	1.73E-04	8.19E-02	6.66E-03	8.30E-01
1604	494411.06	3858751.99	7.88E-01	1.48E-04	9.53E-02	6.93E-03	8.91E-01	8.22E-01	1.51E+00	8.70E+00	2.37E-01	1.13E+01	8.21E-01	1.73E-04	9.53E-02	6.93E-03	9.23E-01
1605	494461.06	3858751.99	7.91E-01	1.47E-04	9.66E-02	6.96E-03	8.95E-01	8.25E-01	1.51E+00	8.81E+00	2.38E-01	1.14E+01	8.24E-01	1.72E-04	9.66E-02	6.96E-03	9.27E-01
1606	494511.06	3858751.99	7.96E-01	1.47E-04	7.97E-02	6.77E-03	8.82E-01	8.30E-01	1.50E+00	7.27E+00	2.32E-01	9.83E+00	8.29E-01	1.72E-04	7.97E-02	6.77E-03	9.15E-01
1607	494561.06	3858751.99	7.69E-01	1.47E-04	8.10E-02	6.75E-03	8.57E-01	8.02E-01	1.50E+00	7.39E+00	2.31E-01	9.92E+00	8.01E-01	1.72E-04	8.10E-02	6.75E-03	8.89E-01
1608	494611.06	3858751.99	7.32E-01	1.47E-04	7.52E-02	6.68E-03	8.14E-01	7.64E-01	1.50E+00	6.86E+00	2.28E-01	9.34E+00	7.63E-01	1.71E-04	7.52E-02	6.68E-03	8.45E-01
1609	494661.06	3858751.99	7.27E-01	1.46E-04	7.77E-02	6.66E-03	8.11E-01	7.58E-01	1.49E+00	7.08E+00	2.28E-01	9.56E+00	7.57E-01	1.71E-04	7.77E-02	6.66E-03	8.41E-01
1610	494711.06	3858751.99	6.79E-01	1.46E-04	6.96E-02	6.58E-03	7.56E-01	7.09E-01	1.49E+00	6.34E+00	2.25E-01	8.77E+00	7.07E-01	1.71E-04	6.96E-02	6.58E-03	7.84E-01
1611	494761.06	3858751.99	6.71E-01	1.46E-04	6.29E-02	6.52E-03	7.41E-01	7.00E-01	1.49E+00	5.74E+00	2.23E-01	8.15E+00	6.99E-01	1.70E-04	6.29E-02	6.52E-03	7.69E-01
1612	494811.06	3858751.99	6.32E-01	1.45E-04	5.85E-02	6.43E-03	6.97E-01	6.59E-01	1.48E+00	5.33E+00	2.20E-01	7.69E+00	6.58E-01	1.70E-04	5.85E-02	6.43E-03	7.23E-01
1613	494861.06	3858751.99	6.04E-01	1.35E-04	5.48E-02	6.36E-03	6.66E-01	6.30E-01	1.37E+00	5.00E+00	2.18E-01	7.22E+00	6.29E-01	1.57E-04	5.48E-02	6.36E-03	6.91E-01
1614	494911.06	3858751.99	5.78E-01	1.34E-04	5.15E-02	6.31E-03	6.36E-01	6.03E-01	1.37E+00	4.69E+00	2.16E-01	6.89E+00	6.02E-01	1.57E-04	5.15E-02	6.31E-03	6.60E-01
1615	494961.06	3858751.99	5.64E-01	1.34E-04	4.94E-02	6.28E-03	6.20E-01	5.88E-01	1.37E+00	4.51E+00	2.15E-01	6.68E+00	5.87E-01	1.57E-04	4.94E-02	6.28E-03	6.43E-01
1616	495011.06	3858751.99	5.60E-01	1.34E-04	4.83E-02	6.28E-03	6.15E-01	5.85E-01	1.37E+00	4.40E+00	2.15E-01	6.57E+00	5.84E-01	1.56E-04	4.83E-02	6.28E-03	6.38E-01
1617	495061.06	3858751.99	5.50E-01	1.33E-04	4.64E-02	6.27E-03	6.03E-01	5.74E-01	1.36E+00	4.23E+00	2.14E-01	6.38E+00	5.73E-01	1.56E-04	4.64E-02	6.27E-03	6.25E-01
1618	495111.06	3858751.99	5.40E-01	1.33E-04	4.43E-02	6.25E-03	5.91E-01	5.64E-01	1.36E+00	4.04E+00	2.14E-01	6.18E+00	5.63E-01	1.56E-04	4.43E-02	6.25E-03	6.14E-01
1619	495161.06	3858751.99	5.39E-01	1.33E-04	4.18E-02	6.25E-03	5.87E-01	5.63E-01	1.36E+00	3.81E+00	2.14E-01	5.95E+00	5.61E-01	1.55E-04	4.18E-02	6.25E-03	6.10E-01
1620	495211.06	3858751.99	5.36E-01	1.33E-04	3.78E-02	6.25E-03	5.80E-01	5.59E-01	1.35E+00	3.45E+00	2.14E-01	5.58E+00	5.58E-01	1.55E-04	3.78E-02	6.25E-03	6.02E-01
1621	495261.06	3858751.99	5.38E-01	1.32E-04	3.76E-02	6.26E-03	5.82E-01	5.62E-01	1.35E+00	3.43E+00	2.14E-01	5.56E+00	5.61E-01	1.55E-04	3.76E-02	6.26E-03	6.05E-01
1622	495311.06	3858751.99	5.41E-01	1.32E-04	3.75E-02	6.26E-03	5.85E-01	5.65E-01	1.35E+00	3.42E+00	2.14E-01	5.55E+00	5.64E-01	1.54E-04	3.75E-02	6.26E-03	6.08E-01
1623	495361.06	3858751.99	5.43E-01	1.32E-04	3.73E-02	6.26E-03	5.87E-01	5.67E-01	1.35E+00	3.40E+00	2.14E-01	5.52E+00	5.65E-01	1.54E-04	3.73E-02	6.26E-03	6.09E-01
1624	495411.06	3858751.99	5.47E-01	1.31E-04	3.73E-02	6.27E-03	5.91E-01	5.71E-01	1.34E+00	3.40E+00	2.15E-01	5.53E+00	5.70E-01	1.54E-04	3.73E-02	6.27E-03	6.14E-01
1625	495461.06	3858751.99	5.49E-01	1.31E-04	3.71E-02	6.27E-03	5.92E-01	5.73E-01	1.34E+00	3.38E+00	2.14E-01	5.51E+00	5.71E-01	1.53E-04	3.71E-02	6.27E-03	6.15E-01
1626	495511.06	3858751.99	5.48E-01	1.31E-04	3.67E-02	6.24E-03	5.91E-01	5.72E-01	1.34E+00	3.35E+00	2.14E-01	5.47E+00	5.71E-01	1.53E-04	3.67E-02	6.24E-03	6.14E-01
1627	495561.06	3858751.99	5.48E-01	1.31E-04	3.64E-02	6.23E-03	5.91E-01	5.72E-01	1.33E+00	3.32E+00	2.13E-01	5.44E+00	5.70E-01	1.53E-04	3.64E-02	6.23E-03	6.13E-01
1628	495611.06	3858751.99	5.48E-01	1.30E-04	3.61E-02	6.22E-03	5.90E-01	5.72E-01	1.33E+00	3.29E+00	2.13E-01	5.41E+00	5.71E-01	1.52E-04	3.61E-02	6.22E-03	6.13E-01
1629	495661.06	3858751.99	5.49E-01	1.30E-04	3.59E-02	6.15E-03	5.92E-01	5.73E-01	1.33E+00	3.27E+00	2.10E-01	5.39E+00	5.72E-01	1.52E-04	3.59E-02	6.15E-03	6.14E-01
1630	494311.06	3858801.99	6.53E-01	1.47E-04	6.65E-02	6.64E-03	7.26E-01	6.81E-01	1.51E+00	6.06E+00	2.27E-01	8.48E+00	6.80E-01	1.72E-04	6.65E-02	6.64E-03	7.53E-01
1631	494361.06	3858801.99	8.24E-01	1.47E-04	9.33E-02	7.15E-03	9.24E-01	8.59E-01	1.50E+00	8.51E+00	2.45E-01	1.11E+01	8.58E-01	1.72E-04	9.33E-02	7.15E-03	9.58E-01
1632	494411.06	3858801.99	8.68E-01	1.47E-04	1.01E-01	7.73E-03	9.77E-01	9.06E-01	1.50E+00	9.23E+00	2.64E-01	1.19E+01	9.04E-01	1.72E-04	1.01E-01	7.73E-03	1.01E+00
1633	494461.06	3858801.99	8.90E-01	1.47E-04	1.00E-01	7.64E-03	9.98E-01	9.29E-01	1.50E+00	9.12E+00	2.61E-01	1.18E+01	9.27E-01	1.72E-04	1.00E-01	7.64E-03	1.03E+00
1634	494511.06	3858801.99	8.99E-01	1.46E-04	8.63E-02	7.13E-03	9.92E-01	9.38E-01	1.49E+00	7.87E+00	2.44E-01	1.05E+01	9.36E-01	1.71E-04	8.63E-02	7.13E-03	1.03E+00
1635	494561.06	3858801.99	8.87E-01	1.46E-04	8.58E-02	7.07E-03	9.80E-01	9.25E-01	1.49E+00	7.83E+00	2.42E-01	1.05E+01	9.24E-01	1.71E-04	8.58E-02	7.07E-03	1.02E+00
1636	494611.06	3858801.99	8.64E-01	1.46E-04	8.39E-02	7.03E-03	9.55E-01	9.01E-01	1.49E+00	7.65E+00	2.41E-01	1.03E+01	8.99E-01	1.70E-04	8.39E-02	7.03E-03	9.90E-01
1637	494661.06	3858801.99	8.22E-01	1.45E-04	7.97E-02	6.87E-03	9.08E-01	8.57E-01	1.48E+00	7.27E+00	2.35E-01	9.85E+00	8.56E-01	1.70E-04	7.97E-02	6.87E-03	9.42E-01
1638	494711.06	3858801.99	7.75E-01	1.45E-04	7.48E-02	6.77E-03	8.56E-01	8.08E-01	1.48E+00	6.82E+00	2.32E-01	9.34E+00	8.07E-01	1.69E-04	7.48E-02	6.77E-03	8.88E-01
1639	494761.06	3858801.99	7.20E-01	1.44E-04	6.95E-02	6.68E-03	7.96E-01	7.51E-01	1.48E+00	6.33E+00	2.29E-01	8.79E+00	7.49E-01	1.69E-04	6.95E-02	6.68E-03	8.26E-01
1640	494811.06	3858801.99	6.68E-01	1.44E-04	6.40E-02	6.58E-03	7.39E-01	6.97E-01	1.47E+00	5.84E+00	2.25E-01	8.23E+00	6.96E-01	1.69E-04	6.40E-02	6.58E-03	7.67E-01
1641	494861.06	3858801.99	6.49E-01	1.44E-04	6.15E-02	6.53E-03	7.17E-01	6.77E-01	1.47E+00	5.61E+00	2.23E-01	7.97E+00	6.75E-01	1.68E-04	6.15E-02	6.53E-03	7.44E-01
1642	494911.06	3858801.99	6.13E-01	1.43E-04	5.75E-02	6.45E-03	6.77E-01	6.40E-01	1.46E+00	5.24E+00	2.21E-01	7.56E+00	6.38E-01	1.68E-04	5.75E-02	6.45E-03	7.02E-01
1643	494961.06	3858801.99	5.91E-01	1.34E-04	5.48E-02	6.40E-03	6.52E-01	6.17E-01	1.37E+00	5.00E+00	2.19E-01	7.20E+00	6.15E-01	1.56E-04	5.48E-02	6.40E-03	6.77E-01

1644	495011.06	3858801.99	5.69E-01	1.33E-04	5.23E-02	6.35E-03	6.27E-01	5.93E-01	1.36E+00	4.77E+00	2.17E-01	6.94E+00	5.92E-01	1.56E-04	5.23E-02	6.35E-03	6.51E-01
1645	495061.06	3858801.99	5.63E-01	1.33E-04	5.10E-02	6.33E-03	6.20E-01	5.87E-01	1.36E+00	4.65E+00	2.17E-01	6.81E+00	5.86E-01	1.56E-04	5.10E-02	6.33E-03	6.43E-01
1646	495111.06	3858801.99	5.42E-01	1.33E-04	4.84E-02	6.28E-03	5.97E-01	5.66E-01	1.36E+00	4.41E+00	2.15E-01	6.55E+00	5.65E-01	1.55E-04	4.84E-02	6.28E-03	6.19E-01
1647	495161.06	3858801.99	5.33E-01	1.32E-04	4.68E-02	6.27E-03	5.86E-01	5.56E-01	1.35E+00	4.27E+00	2.14E-01	6.39E+00	5.55E-01	1.55E-04	4.68E-02	6.27E-03	6.08E-01
1648	495211.06	3858801.99	5.33E-01	1.32E-04	4.61E-02	6.27E-03	5.85E-01	5.56E-01	1.35E+00	4.20E+00	2.14E-01	6.32E+00	5.55E-01	1.55E-04	4.61E-02	6.27E-03	6.07E-01
1649	495261.06	3858801.99	5.37E-01	1.32E-04	4.57E-02	6.28E-03	5.89E-01	5.60E-01	1.35E+00	4.17E+00	2.15E-01	6.29E+00	5.59E-01	1.54E-04	4.57E-02	6.28E-03	6.11E-01
1650	495311.06	3858801.99	5.43E-01	1.32E-04	4.55E-02	6.29E-03	5.95E-01	5.66E-01	1.34E+00	4.15E+00	2.15E-01	6.27E+00	5.65E-01	1.54E-04	4.55E-02	6.29E-03	6.17E-01
1651	495361.06	3858801.99	5.45E-01	1.31E-04	4.50E-02	6.29E-03	5.97E-01	5.69E-01	1.34E+00	4.10E+00	2.15E-01	6.23E+00	5.68E-01	1.54E-04	4.50E-02	6.29E-03	6.19E-01
1652	495411.06	3858801.99	5.57E-01	1.31E-04	4.51E-02	6.31E-03	6.08E-01	5.81E-01	1.34E+00	4.12E+00	2.16E-01	6.25E+00	5.80E-01	1.53E-04	4.51E-02	6.31E-03	6.31E-01
1653	495461.06	3858801.99	5.58E-01	1.31E-04	4.46E-02	6.31E-03	6.09E-01	5.82E-01	1.34E+00	4.07E+00	2.16E-01	6.20E+00	5.81E-01	1.53E-04	4.46E-02	6.31E-03	6.32E-01
1654	495511.06	3858801.99	5.56E-01	1.30E-04	4.39E-02	6.30E-03	6.06E-01	5.80E-01	1.33E+00	4.00E+00	2.16E-01	6.13E+00	5.79E-01	1.53E-04	4.39E-02	6.30E-03	6.29E-01
1655	495561.06	3858801.99	5.55E-01	1.30E-04	4.33E-02	6.30E-03	6.05E-01	5.79E-01	1.33E+00	3.95E+00	2.15E-01	6.08E+00	5.78E-01	1.52E-04	4.33E-02	6.30E-03	6.28E-01
1656	495611.06	3858801.99	5.50E-01	1.30E-04	4.08E-02	6.29E-03	5.97E-01	5.74E-01	1.33E+00	3.72E+00	2.15E-01	5.84E+00	5.73E-01	1.52E-04	4.08E-02	6.29E-03	6.20E-01
1657	495661.06	3858801.99	5.52E-01	1.30E-04	3.99E-02	6.29E-03	5.98E-01	5.76E-01	1.32E+00	3.63E+00	2.15E-01	5.75E+00	5.75E-01	1.52E-04	3.99E-02	6.29E-03	6.21E-01
1658	494311.06	3858851.99	8.91E-01	1.46E-04	9.16E-02	7.83E-03	9.91E-01	9.30E-01	1.49E+00	8.35E+00	2.68E-01	1.10E+01	9.28E-01	1.71E-04	9.16E-02	7.83E-03	1.03E+00
1659	494361.06	3858851.99	9.96E-01	1.45E-04	1.09E-01	9.28E-03	1.11E+00	1.04E+00	1.49E+00	9.92E+00	3.17E-01	1.28E+01	1.04E+00	1.70E-04	1.09E-01	9.28E-03	1.16E+00
1660	494411.06	3858851.99	9.92E-01	1.45E-04	1.09E-01	9.22E-03	1.11E+00	1.03E+00	1.48E+00	9.94E+00	3.15E-01	1.28E+01	1.03E+00	1.70E-04	1.09E-01	9.22E-03	1.15E+00
1661	494461.06	3858851.99	1.00E+00	1.45E-04	1.06E-01	8.83E-03	1.12E+00	1.05E+00	1.48E+00	9.68E+00	3.02E-01	1.25E+01	1.04E+00	1.69E-04	1.06E-01	8.83E-03	1.16E+00
1662	494511.06	3858851.99	1.00E+00	1.44E-04	9.12E-02	7.76E-03	1.10E+00	1.04E+00	1.48E+00	8.32E+00	2.65E-01	1.11E+01	1.04E+00	1.69E-04	9.12E-02	7.76E-03	1.14E+00
1663	494561.06	3858851.99	9.84E-01	1.44E-04	9.03E-02	7.63E-03	1.08E+00	1.03E+00	1.47E+00	8.23E+00	2.61E-01	1.10E+01	1.02E+00	1.68E-04	9.03E-02	7.63E-03	1.12E+00
1664	494611.06	3858851.99	9.51E-01	1.44E-04	8.79E-02	7.46E-03	1.05E+00	9.92E-01	1.47E+00	8.02E+00	2.55E-01	1.07E+01	9.90E-01	1.68E-04	8.79E-02	7.46E-03	1.09E+00
1665	494661.06	3858851.99	9.08E-01	1.43E-04	8.46E-02	7.31E-03	1.00E+00	9.48E-01	1.46E+00	7.71E+00	2.50E-01	1.04E+01	9.46E-01	1.68E-04	8.46E-02	7.31E-03	1.04E+00
1666	494711.06	3858851.99	8.46E-01	1.43E-04	7.92E-02	6.94E-03	9.32E-01	8.82E-01	1.46E+00	7.22E+00	2.37E-01	9.80E+00	8.81E-01	1.67E-04	7.92E-02	6.94E-03	9.67E-01
1667	494761.06	3858851.99	7.88E-01	1.42E-04	7.39E-02	6.85E-03	8.69E-01	8.23E-01	1.45E+00	6.74E+00	2.34E-01	9.25E+00	8.21E-01	1.67E-04	7.39E-02	6.85E-03	9.02E-01
1668	494811.06	3858851.99	7.42E-01	1.42E-04	6.97E-02	6.79E-03	8.19E-01	7.74E-01	1.45E+00	6.36E+00	2.32E-01	8.81E+00	7.73E-01	1.66E-04	6.97E-02	6.79E-03	8.50E-01
1669	494861.06	3858851.99	7.15E-01	1.42E-04	6.74E-02	6.75E-03	7.90E-01	7.46E-01	1.45E+00	6.14E+00	2.31E-01	8.57E+00	7.45E-01	1.66E-04	6.74E-02	6.75E-03	8.19E-01
1670	494911.06	3858851.99	6.76E-01	1.41E-04	6.38E-02	6.68E-03	7.47E-01	7.05E-01	1.44E+00	5.81E+00	2.29E-01	8.19E+00	7.04E-01	1.65E-04	6.38E-02	6.68E-03	7.74E-01
1671	494961.06	3858851.99	6.44E-01	1.41E-04	6.08E-02	6.62E-03	7.12E-01	6.72E-01	1.44E+00	5.54E+00	2.27E-01	7.88E+00	6.71E-01	1.65E-04	6.08E-02	6.62E-03	7.38E-01
1672	495011.06	3858851.99	6.25E-01	1.40E-04	5.85E-02	6.58E-03	6.90E-01	6.52E-01	1.43E+00	5.34E+00	2.25E-01	7.65E+00	6.51E-01	1.64E-04	5.85E-02	6.58E-03	7.16E-01
1673	495061.06	3858851.99	6.01E-01	1.40E-04	5.58E-02	6.51E-03	6.64E-01	6.27E-01	1.43E+00	5.09E+00	2.23E-01	7.37E+00	6.26E-01	1.64E-04	5.58E-02	6.51E-03	6.89E-01
1674	495111.06	3858851.99	5.52E-01	1.32E-04	5.12E-02	6.39E-03	6.10E-01	5.76E-01	1.35E+00	4.67E+00	2.18E-01	6.81E+00	5.75E-01	1.54E-04	5.12E-02	6.39E-03	6.32E-01
1675	495161.06	3858851.99	5.32E-01	1.31E-04	4.94E-02	6.33E-03	5.88E-01	5.55E-01	1.34E+00	4.51E+00	2.16E-01	6.62E+00	5.54E-01	1.54E-04	4.94E-02	6.33E-03	6.10E-01
1676	495211.06	3858851.99	5.44E-01	1.31E-04	4.97E-02	6.36E-03	6.00E-01	5.68E-01	1.34E+00	4.53E+00	2.17E-01	6.66E+00	5.66E-01	1.53E-04	4.97E-02	6.36E-03	6.23E-01
1677	495261.06	3858851.99	5.49E-01	1.31E-04	4.94E-02	6.36E-03	6.05E-01	5.73E-01	1.34E+00	4.50E+00	2.17E-01	6.63E+00	5.71E-01	1.53E-04	4.94E-02	6.36E-03	6.27E-01
1678	495311.06	3858851.99	5.59E-01	1.31E-04	4.94E-02	6.37E-03	6.14E-01	5.83E-01	1.33E+00	4.51E+00	2.18E-01	6.64E+00	5.82E-01	1.53E-04	4.94E-02	6.37E-03	6.38E-01
1679	495361.06	3858851.99	5.64E-01	1.30E-04	4.92E-02	6.38E-03	6.20E-01	5.89E-01	1.33E+00	4.48E+00	2.18E-01	6.62E+00	5.88E-01	1.52E-04	4.92E-02	6.38E-03	6.43E-01
1680	495411.06	3858851.99	5.70E-01	1.30E-04	4.89E-02	6.38E-03	6.26E-01	5.95E-01	1.33E+00	4.46E+00	2.18E-01	6.60E+00	5.94E-01	1.52E-04	4.89E-02	6.38E-03	6.49E-01
1681	495461.06	3858851.99	5.79E-01	1.30E-04	4.87E-02	6.39E-03	6.34E-01	6.04E-01	1.32E+00	4.45E+00	2.18E-01	6.59E+00	6.02E-01	1.52E-04	4.87E-02	6.39E-03	6.58E-01
1682	495511.06	3858851.99	5.78E-01	1.29E-04	4.96E-02	6.41E-03	6.34E-01	6.03E-01	1.32E+00	4.52E+00	2.19E-01	6.67E+00	6.02E-01	1.51E-04	4.96E-02	6.41E-03	6.58E-01
1683	495561.06	3858851.99	5.66E-01	1.29E-04	4.67E-02	6.33E-03	6.19E-01	5.90E-01	1.32E+00	4.26E+00	2.16E-01	6.38E+00	5.89E-01	1.51E-04	4.67E-02	6.33E-03	6.42E-01
1684	495611.06	3858851.99	5.60E-01	1.29E-04	4.56E-02	6.32E-03	6.12E-01	5.84E-01	1.31E+00	4.16E+00	2.16E-01	6.27E+00	5.83E-01	1.50E-04	4.56E-02	6.32E-03	6.35E-01
1685	495661.06	3858851.99	5.66E-01	1.28E-04	4.53E-02	6.32E-03	6.17E-01	5.90E-01	1.31E+00	4.13E+00	2.16E-01	6.25E+00	5.89E-01	1.50E-04	4.53E-02	6.32E-03	6.41E-01
1686	494311.06	3858901.99	1.03E+00	1.43E-04	1.01E-01	9.25E-03	1.14E+00	1.08E+00	1.46E+00	9.19E+00	3.16E-01	1.20E+01	1.07E+00	1.67E-04	1.01E-01	9.25E-03	1.18E+00
1687	494361.06	3858901.99	1.11E+00	1.56E-04	1.09E-01	1.02E-02	1.22E+00	1.15E+00	1.60E+00	9.93E+00	3.47E-01	1.30E+01	1.15E+00	1.83E-04	1.09E-01	1.02E-02	1.27E+00
1688	494411.06	3858901.99	1.11E+00	1.56E-04	1.10E-01	1.03E-02	1.23E+00	1.16E+00	1.59E+00	1.00E+01	3.51E-01	1.31E+01	1.16E+00	1.82E-04	1.10E-01	1.03E-02	1.28E+00
1689	494461.06	3858901.99	1.12E+00	1.56E-04	9.63E-02	8.79E-03	1.23E+00	1.17E+00	1.59E+00	8.79E+00	3.01E-01	1.18E+01	1.17E+00	1.82E-04	9.63E-02	8.79E-03	1.28E+00
1690	494511.06	3858901.99	1.12E+00	1.55E-04	9.65E-02	8.74E-03	1.23E+00	1.17E+00	1.59E+00	8.80E+00	2.99E-01	1.19E+01	1.17E+00	1.82E-04	9.65E-02	8.74E-03	1.28E+00
1691	494561.06	3858901.99	1.09E+00	1.41E-04	9.46E-02	8.48E-03	1.19E+00	1.14E+00	1.44E+00	8.63E+00	2.90E-01	1.15E+01	1.14E+00	1.65E-04	9.46E-02	8.48E-03	1.24E+00
1692	494611.06	3858901.99	1.03E+00	1.41E-04	9.03E-02	8.03E-03	1.13E+00	1.07E+00	1.44E+00	8.23E+00	2.75E-01	1.10E+01	1.07E+00	1.64E-04	9.03E-02	8.03E-03	1.17E+00
1693	494661.06	3858901.99	9.97E-01	1.40E-04	8.80E-02	7.79E-03	1.09E+00	1.04E+00	1.43E+00	8.03E+00	2.66E-01	1.08E+01	1.04E+00	1.64E-04	8.80E-02	7.79E-03	1.13E+00
1694	494711.06	3858901.99	9.39E-01	1.40E-04	8.35E-02	7.48E-03	1.03E+00	9.80E-01	1.43E+00	7.61E+00	2.56E-01	1.03E+01	9.78E-01	1.63E-04	8.35E-02	7.48E-03	1.07E+00
1695	494761.06	3858901.99	8.70E-01	1.39E-04	7.79E-02	7.14E-03	9.55E-01	9.08E-01	1.42E+00	7.10E+00	2.44E-01	9.68E+00	9.06E-01	1.63E-04	7.79E-02	7.14E-03	9.91E-01
1696	494811.06	3858901.99	8.32E-01	1.39E-04	7.49E-02	7.01E-03	9.14E-01	8.68E-01	1.42E+00	6.84E+00	2.40E-01	9.36E+00	8.66E-01	1.62E-04	7.49E-02	7.01E-03	9.48E-01
1697	494861.06	3858901.99	8.04E-01	1.38E-04	7.29E-02	6.97E-03	8.84E-01	8.39E-01	1.41E+00	6.65E+00	2.38E-01	9.14E+00	8.37E-01	1.62E-04	7.29E-02	6.97E-03	9.17E-01
1698	494911.06	3858901.99	7.41E-01	1.38E-04	6.73E-02	6.85E-03	8.16E-01	7.74E-01	1.41E+00	6.13E+00	2.34E-01	8.55E+00	7.72E-01	1.61E-04	6.73E-02	6.85E-03	8.46E-01
1699	494961.06	3858901.99	7.09E-01	1.38E-04	6.46E-02	6.80E-03	7.81E-01	7.40E-01	1.41E+00	5.89E+00	2.33E-01	8.27E+00	7.39E-01	1.61E-04	6.46E-02	6.80E-03	8.10E-01
1700	495011.06	3858901.99	6.80E-01	1.37E-04	6.19E-02	6.74E-03	7.49E-01	7.10E-01	1.40E+00	5.65E+00	2.31E-01	7.99E+00	7.08E-01	1.60E-04	6.19E-02	6.74E-03	7.77E-01
1701	495061.06	3858901.99	6.37E-01	1.37E-04	5.82E-02	6.66E-03	7.02E-01	6.64E-01	1.40E+00	5.31E+00	2.28E-01	7.59E+00	6.63E-01	1.60E-04	5.82E-02	6.66E-03	7.28E-01
1702	495111.06	3858901.99	5.77E-01	1.30E-04	5.30E-02	6.52E-03	6.37E-01	6.02E-01	1.33E+00	4.84E+00	2.23E-01	6.99E+00	6.01E-01	1.52E-04	5.30E-02	6.52E-03	6.61E-01
1703	495161.06	3858901.99	5.68E-01	1.30E-04	5.20E-02	6.48E-03	6.27E-01	5.93E-01	1.32E+00	4.74E+00	2.22E-01	6.88E+00	5.92E-01	1.52E-04	5.20E-02	6.48E-03	6.50E-01
1704	495211.06	3858901.99	5.89E-01	1.29E-04	5.35E-02	6.52E-03	6.49E-01	6.14E-01	1.32E+00	4.88E+00	2.23E-01	7.04E+00	6.13E-01	1.51E-04	5.35E-02	6.52E-03	6.73E-01

1705	495261.06	3858901.99	5.94E-01	1.29E-04	5.37E-02	6.51E-03	6.54E-01	6.20E-01	1.32E+00	4.89E+00	2.23E-01	7.05E+00	6.18E-01	1.51E-04	5.37E-02	6.51E-03	6.79E-01
1706	495311.06	3858901.99	5.94E-01	1.29E-04	5.33E-02	6.50E-03	6.54E-01	6.20E-01	1.32E+00	4.86E+00	2.22E-01	7.02E+00	6.19E-01	1.51E-04	5.33E-02	6.50E-03	6.79E-01
1707	495361.06	3858901.99	5.98E-01	1.28E-04	5.31E-02	6.50E-03	6.57E-01	6.23E-01	1.31E+00	4.84E+00	2.22E-01	7.00E+00	6.22E-01	1.50E-04	5.31E-02	6.50E-03	6.82E-01
1708	495411.06	3858901.99	6.10E-01	1.28E-04	5.37E-02	6.52E-03	6.70E-01	6.36E-01	1.31E+00	4.89E+00	2.23E-01	7.06E+00	6.35E-01	1.50E-04	5.37E-02	6.52E-03	6.95E-01
1709	495461.06	3858901.99	6.07E-01	1.28E-04	5.29E-02	6.50E-03	6.67E-01	6.33E-01	1.31E+00	4.83E+00	2.22E-01	6.99E+00	6.32E-01	1.50E-04	5.29E-02	6.50E-03	6.92E-01
1710	495511.06	3858901.99	5.96E-01	1.27E-04	5.15E-02	6.47E-03	6.54E-01	6.21E-01	1.30E+00	4.70E+00	2.21E-01	6.85E+00	6.20E-01	1.49E-04	5.15E-02	6.47E-03	6.78E-01
1711	495561.06	3858901.99	5.93E-01	1.27E-04	5.05E-02	6.44E-03	6.50E-01	6.18E-01	1.30E+00	4.61E+00	2.20E-01	6.75E+00	6.17E-01	1.49E-04	5.05E-02	6.44E-03	6.74E-01
1712	495611.06	3858901.99	5.83E-01	1.27E-04	4.92E-02	6.40E-03	6.39E-01	6.09E-01	1.30E+00	4.48E+00	2.19E-01	6.61E+00	6.08E-01	1.48E-04	4.92E-02	6.40E-03	6.63E-01
1713	495661.06	3858901.99	5.93E-01	1.27E-04	4.92E-02	6.41E-03	6.49E-01	6.19E-01	1.29E+00	4.49E+00	2.19E-01	6.62E+00	6.18E-01	1.48E-04	4.92E-02	6.41E-03	6.73E-01
1714	494311.06	3858951.99	1.22E+00	1.55E-04	1.08E-01	1.15E-02	1.34E+00	1.27E+00	1.58E+00	9.88E+00	3.94E-01	1.31E+01	1.27E+00	1.81E-04	1.08E-01	1.15E-02	1.39E+00
1715	494361.06	3858951.99	1.24E+00	1.54E-04	1.11E-01	1.21E-02	1.37E+00	1.30E+00	1.58E+00	1.01E+01	4.15E-01	1.34E+01	1.30E+00	1.81E-04	1.11E-01	1.21E-02	1.42E+00
1716	494411.06	3858951.99	1.22E+00	1.54E-04	1.10E-01	1.16E-02	1.34E+00	1.27E+00	1.57E+00	1.00E+01	3.97E-01	1.33E+01	1.27E+00	1.80E-04	1.10E-01	1.16E-02	1.39E+00
1717	494461.06	3858951.99	1.22E+00	1.53E-04	9.69E-02	9.76E-03	1.33E+00	1.28E+00	1.56E+00	8.84E+00	3.34E-01	1.20E+01	1.27E+00	1.79E-04	9.69E-02	9.76E-03	1.38E+00
1718	494511.06	3858951.99	1.21E+00	1.52E-04	9.67E-02	9.57E-03	1.32E+00	1.26E+00	1.55E+00	8.82E+00	3.27E-01	1.20E+01	1.26E+00	1.78E-04	9.67E-02	9.57E-03	1.37E+00
1719	494561.06	3858951.99	1.18E+00	1.51E-04	9.54E-02	9.26E-03	1.29E+00	1.23E+00	1.54E+00	8.70E+00	3.17E-01	1.18E+01	1.23E+00	1.77E-04	9.54E-02	9.26E-03	1.34E+00
1720	494611.06	3858951.99	1.13E+00	1.51E-04	9.28E-02	8.87E-03	1.23E+00	1.18E+00	1.54E+00	8.47E+00	3.03E-01	1.15E+01	1.18E+00	1.76E-04	9.28E-02	8.87E-03	1.28E+00
1721	494661.06	3858951.99	1.08E+00	1.36E-04	9.02E-02	8.51E-03	1.18E+00	1.13E+00	1.39E+00	8.23E+00	2.91E-01	1.10E+01	1.13E+00	1.59E-04	9.02E-02	8.51E-03	1.23E+00
1722	494711.06	3858951.99	1.01E+00	1.36E-04	8.56E-02	7.98E-03	1.11E+00	1.06E+00	1.39E+00	7.80E+00	2.73E-01	1.05E+01	1.06E+00	1.59E-04	8.56E-02	7.98E-03	1.15E+00
1723	494761.06	3858951.99	9.65E-01	1.35E-04	8.20E-02	7.62E-03	1.05E+00	1.01E+00	1.38E+00	7.48E+00	2.61E-01	1.01E+01	1.00E+00	1.58E-04	8.20E-02	7.62E-03	1.09E+00
1724	494811.06	3858951.99	9.32E-01	1.35E-04	7.97E-02	7.48E-03	1.02E+00	9.72E-01	1.38E+00	7.27E+00	2.56E-01	9.87E+00	9.70E-01	1.58E-04	7.97E-02	7.48E-03	1.06E+00
1725	494861.06	3858951.99	8.99E-01	1.35E-04	7.72E-02	7.33E-03	9.83E-01	9.38E-01	1.37E+00	7.04E+00	2.51E-01	9.60E+00	9.36E-01	1.57E-04	7.72E-02	7.33E-03	1.02E+00
1726	494911.06	3858951.99	8.47E-01	1.34E-04	7.31E-02	7.13E-03	9.28E-01	8.84E-01	1.37E+00	6.67E+00	2.44E-01	9.17E+00	8.82E-01	1.57E-04	7.31E-02	7.13E-03	9.63E-01
1727	494961.06	3858951.99	8.23E-01	1.34E-04	7.14E-02	7.06E-03	9.01E-01	8.59E-01	1.37E+00	6.51E+00	2.42E-01	8.98E+00	8.57E-01	1.56E-04	7.14E-02	7.06E-03	9.36E-01
1728	495011.06	3858951.99	7.45E-01	1.33E-04	6.46E-02	6.93E-03	8.17E-01	7.78E-01	1.36E+00	5.89E+00	2.37E-01	8.27E+00	7.76E-01	1.56E-04	6.46E-02	6.93E-03	8.48E-01
1729	495061.06	3858951.99	6.75E-01	1.33E-04	5.86E-02	6.78E-03	7.40E-01	7.04E-01	1.36E+00	5.35E+00	2.32E-01	7.64E+00	7.03E-01	1.55E-04	5.86E-02	6.78E-03	7.68E-01
1730	495111.06	3858951.99	6.24E-01	1.32E-04	5.44E-02	6.65E-03	6.85E-01	6.51E-01	1.35E+00	4.96E+00	2.27E-01	7.20E+00	6.49E-01	1.55E-04	5.44E-02	6.65E-03	7.11E-01
1731	495161.06	3858951.99	6.51E-01	1.32E-04	5.72E-02	6.73E-03	7.16E-01	6.80E-01	1.35E+00	5.22E+00	2.30E-01	7.48E+00	6.78E-01	1.54E-04	5.72E-02	6.73E-03	7.43E-01
1732	495211.06	3858951.99	6.53E-01	1.32E-04	5.76E-02	6.74E-03	7.18E-01	6.82E-01	1.34E+00	5.26E+00	2.30E-01	7.51E+00	6.80E-01	1.54E-04	5.76E-02	6.74E-03	7.45E-01
1733	495261.06	3858951.99	6.54E-01	1.31E-04	5.79E-02	6.74E-03	7.19E-01	6.82E-01	1.34E+00	5.28E+00	2.30E-01	7.54E+00	6.81E-01	1.54E-04	5.79E-02	6.74E-03	7.46E-01
1734	495311.06	3858951.99	6.33E-01	1.31E-04	5.61E-02	6.68E-03	6.96E-01	6.61E-01	1.34E+00	5.12E+00	2.29E-01	7.34E+00	6.60E-01	1.53E-04	5.61E-02	6.68E-03	7.23E-01
1735	495361.06	3858951.99	6.42E-01	1.30E-04	5.66E-02	6.69E-03	7.06E-01	6.70E-01	1.33E+00	5.16E+00	2.29E-01	7.40E+00	6.69E-01	1.53E-04	5.66E-02	6.69E-03	7.32E-01
1736	495411.06	3858951.99	6.57E-01	1.30E-04	5.75E-02	6.71E-03	7.22E-01	6.86E-01	1.33E+00	5.25E+00	2.29E-01	7.49E+00	6.84E-01	1.52E-04	5.75E-02	6.71E-03	7.49E-01
1737	495461.06	3858951.99	6.58E-01	1.30E-04	5.72E-02	6.69E-03	7.22E-01	6.87E-01	1.32E+00	5.22E+00	2.29E-01	7.46E+00	6.85E-01	1.52E-04	5.72E-02	6.69E-03	7.50E-01
1738	495511.06	3858951.99	6.68E-01	1.29E-04	5.76E-02	6.69E-03	7.32E-01	6.97E-01	1.32E+00	5.25E+00	2.29E-01	7.50E+00	6.95E-01	1.51E-04	5.76E-02	6.69E-03	7.60E-01
1739	495561.06	3858951.99	6.39E-01	1.29E-04	5.48E-02	6.59E-03	7.01E-01	6.67E-01	1.32E+00	5.00E+00	2.25E-01	7.21E+00	6.65E-01	1.51E-04	5.48E-02	6.59E-03	7.27E-01
1740	495611.06	3858951.99	6.27E-01	1.28E-04	5.35E-02	6.51E-03	6.87E-01	6.54E-01	1.31E+00	4.88E+00	2.23E-01	7.07E+00	6.53E-01	1.50E-04	5.35E-02	6.51E-03	7.13E-01
1741	495661.06	3858951.99	6.36E-01	1.28E-04	5.39E-02	6.52E-03	6.97E-01	6.64E-01	1.31E+00	4.91E+00	2.23E-01	7.11E+00	6.62E-01	1.50E-04	5.39E-02	6.52E-03	7.23E-01
1742	494311.06	3859001.99	1.37E+00	1.49E-04	1.09E-01	1.39E-02	1.50E+00	1.43E+00	1.52E+00	9.94E+00	4.77E-01	1.34E+01	1.43E+00	1.74E-04	1.09E-01	1.39E-02	1.55E+00
1743	494361.06	3859001.99	1.37E+00	1.48E-04	1.05E-01	1.32E-02	1.48E+00	1.43E+00	1.51E+00	9.58E+00	4.53E-01	1.30E+01	1.42E+00	1.73E-04	1.05E-01	1.32E-02	1.54E+00
1744	494411.06	3859001.99	1.35E+00	1.47E-04	9.29E-02	1.10E-02	1.46E+00	1.41E+00	1.50E+00	8.47E+00	3.77E-01	1.18E+01	1.41E+00	1.72E-04	9.29E-02	1.10E-02	1.51E+00
1745	494461.06	3859001.99	1.33E+00	1.47E-04	9.33E-02	1.08E-02	1.44E+00	1.39E+00	1.50E+00	8.51E+00	3.71E-01	1.18E+01	1.39E+00	1.72E-04	9.33E-02	1.08E-02	1.49E+00
1746	494511.06	3859001.99	1.31E+00	1.47E-04	9.36E-02	1.07E-02	1.42E+00	1.37E+00	1.50E+00	8.54E+00	3.65E-01	1.18E+01	1.37E+00	1.72E-04	9.36E-02	1.07E-02	1.47E+00
1747	494561.06	3859001.99	1.26E+00	1.46E-04	9.25E-02	1.02E-02	1.36E+00	1.31E+00	1.50E+00	8.44E+00	3.50E-01	1.16E+01	1.31E+00	1.71E-04	9.25E-02	1.02E-02	1.42E+00
1748	494611.06	3859001.99	1.22E+00	1.46E-04	9.13E-02	9.81E-03	1.32E+00	1.27E+00	1.49E+00	8.32E+00	3.35E-01	1.14E+01	1.27E+00	1.71E-04	9.13E-02	9.81E-03	1.37E+00
1749	494661.06	3859001.99	1.16E+00	1.46E-04	8.91E-02	9.29E-03	1.26E+00	1.21E+00	1.49E+00	8.12E+00	3.18E-01	1.11E+01	1.21E+00	1.71E-04	8.91E-02	9.29E-03	1.31E+00
1750	494711.06	3859001.99	1.09E+00	1.31E-04	8.57E-02	8.71E-03	1.19E+00	1.14E+00	1.34E+00	7.82E+00	2.98E-01	1.06E+01	1.14E+00	1.54E-04	8.57E-02	8.71E-03	1.23E+00
1751	494761.06	3859001.99	1.06E+00	1.31E-04	8.38E-02	8.39E-03	1.15E+00	1.10E+00	1.34E+00	7.64E+00	2.87E-01	1.04E+01	1.10E+00	1.53E-04	8.38E-02	8.39E-03	1.19E+00
1752	494811.06	3859001.99	1.04E+00	1.30E-04	8.29E-02	8.21E-03	1.13E+00	1.08E+00	1.33E+00	7.56E+00	2.81E-01	1.03E+01	1.08E+00	1.53E-04	8.29E-02	8.21E-03	1.17E+00
1753	494861.06	3859001.99	9.92E-01	1.30E-04	8.03E-02	7.86E-03	1.08E+00	1.03E+00	1.33E+00	7.32E+00	2.69E-01	9.95E+00	1.03E+00	1.52E-04	8.03E-02	7.86E-03	1.12E+00
1754	494911.06	3859001.99	9.45E-01	1.30E-04	7.72E-02	7.58E-03	1.03E+00	9.86E-01	1.32E+00	7.04E+00	2.59E-01	9.61E+00	9.84E-01	1.52E-04	7.72E-02	7.58E-03	1.07E+00
1755	494961.06	3859001.99	8.97E-01	1.29E-04	7.39E-02	7.38E-03	9.78E-01	9.36E-01	1.32E+00	6.74E+00	2.52E-01	9.25E+00	9.34E-01	1.51E-04	7.39E-02	7.38E-03	1.02E+00
1756	495011.06	3859001.99	7.64E-01	1.29E-04	6.31E-02	7.00E-03	8.34E-01	7.97E-01	1.32E+00	5.75E+00	2.39E-01	8.10E+00	7.95E-01	1.51E-04	6.31E-02	7.00E-03	8.65E-01
1757	495061.06	3859001.99	7.41E-01	1.28E-04	6.15E-02	6.95E-03	8.10E-01	7.73E-01	1.31E+00	5.61E+00	2.38E-01	7.93E+00	7.72E-01	1.50E-04	6.15E-02	6.95E-03	8.40E-01
1758	495111.06	3859001.99	6.90E-01	1.28E-04	5.72E-02	6.84E-03	7.55E-01	7.20E-01	1.31E+00	5.22E+00	2.34E-01	7.48E+00	7.19E-01	1.50E-04	5.72E-02	6.84E-03	7.83E-01
1759	495161.06	3859001.99	7.36E-01	1.28E-04	6.16E-02	6.93E-03	8.04E-01	7.67E-01	1.30E+00	5.62E+00	2.37E-01	7.93E+00	7.66E-01	1.49E-04	6.16E-02	6.93E-03	8.35E-01
1760	495211.06	3859001.99	7.27E-01	1.27E-04	6.12E-02	6.91E-03	7.95E-01	7.59E-01	1.30E+00	5.58E+00	2.36E-01	7.88E+00	7.57E-01	1.49E-04	6.12E-02	6.91E-03	8.25E-01
1761	495261.06	3859001.99	7.29E-01	1.27E-04	6.17E-02	6.92E-03	7.98E-01	7.61E-01	1.30E+00	5.63E+00	2.37E-01	7.92E+00	7.59E-01	1.48E-04	6.17E-02	6.92E-03	8.28E-01
1762	495311.06	3859001.99	7.20E-01	1.27E-04	6.09E-02	6.89E-03	7.88E-01	7.51E-01	1.29E+00	5.56E+00	2.36E-01	7.84E+00	7.50E-01	1.48E-04	6.09E-02	6.89E-03	8.17E-01
1763	495361.06	3859001.99	7.22E-01	1.26E-04	6.15E-02	6.89E-03	7.90E-01	7.53E-01	1.29E+00	5.61E+00	2.36E-01	7.89E+00	7.52E-01	1.48E-04	6.15E-02	6.89E-03	8.20E-01
1764	495411.06	3859001.99	7.18E-01	1.26E-04	6.16E-02	6.87E-03	7.86E-01	7.49E-01	1.29E+00	5.62E+00	2.35E-01	7.89E+00	7.47E-01	1.47E-04	6.16E-02	6.87E-03	8.16E-01
1765	495461.06	3859001.99	7.20E-01	1.25E-04	6.18E-02	6.86E-03	7.89E-01	7.52E-01	1.28E+00	5.64E+00	2.35E-01	7.91E+00	7.50E-01	1.47E-04	6.18E-02	6.86E-03	8.19E-01

1766	495511.06	3859001.99	6.97E-01	1.25E-04	5.97E-02	6.80E-03	7.64E-01	7.27E-01	1.28E+00	5.45E+00	2.32E-01	7.69E+00	7.26E-01	1.46E-04	5.97E-02	6.80E-03	7.93E-01
1767	495561.06	3859001.99	6.88E-01	1.25E-04	5.88E-02	6.76E-03	7.54E-01	7.18E-01	1.27E+00	5.37E+00	2.31E-01	7.59E+00	7.16E-01	1.46E-04	5.88E-02	6.76E-03	7.82E-01
1768	495611.06	3859001.99	6.80E-01	1.24E-04	5.77E-02	6.72E-03	7.45E-01	7.10E-01	1.27E+00	5.26E+00	2.30E-01	7.47E+00	7.08E-01	1.45E-04	5.77E-02	6.72E-03	7.73E-01
1769	495661.06	3859001.99	7.05E-01	1.24E-04	5.95E-02	6.75E-03	7.71E-01	7.36E-01	1.27E+00	5.42E+00	2.31E-01	7.66E+00	7.34E-01	1.45E-04	5.95E-02	6.75E-03	8.00E-01
1770	494311.06	3859051.99	1.50E+00	1.43E-04	1.04E-01	1.55E-02	1.62E+00	1.56E+00	1.46E+00	9.46E+00	5.29E-01	1.30E+01	1.56E+00	1.67E-04	1.04E-01	1.55E-02	1.68E+00
1771	494361.06	3859051.99	1.49E+00	1.42E-04	9.08E-02	1.25E-02	1.60E+00	1.56E+00	1.46E+00	8.28E+00	4.27E-01	1.17E+01	1.56E+00	1.67E-04	9.08E-02	1.25E-02	1.66E+00
1772	494411.06	3859051.99	1.47E+00	1.42E-04	9.04E-02	1.22E-02	1.57E+00	1.53E+00	1.45E+00	8.24E+00	4.18E-01	1.16E+01	1.53E+00	1.67E-04	9.04E-02	1.22E-02	1.63E+00
1773	494461.06	3859051.99	1.44E+00	1.42E-04	8.98E-02	1.19E-02	1.54E+00	1.50E+00	1.45E+00	8.19E+00	4.08E-01	1.16E+01	1.50E+00	1.66E-04	8.98E-02	1.19E-02	1.60E+00
1774	494511.06	3859051.99	1.39E+00	1.42E-04	8.89E-02	1.15E-02	1.49E+00	1.45E+00	1.45E+00	8.10E+00	3.94E-01	1.14E+01	1.45E+00	1.66E-04	8.89E-02	1.15E-02	1.55E+00
1775	494561.06	3859051.99	1.36E+00	1.42E-04	8.79E-02	1.12E-02	1.45E+00	1.41E+00	1.45E+00	8.02E+00	3.82E-01	1.13E+01	1.41E+00	1.66E-04	8.79E-02	1.12E-02	1.51E+00
1776	494611.06	3859051.99	1.30E+00	1.42E-04	8.63E-02	1.07E-02	1.40E+00	1.36E+00	1.45E+00	7.87E+00	3.66E-01	1.10E+01	1.36E+00	1.66E-04	8.63E-02	1.07E-02	1.45E+00
1777	494661.06	3859051.99	1.25E+00	1.42E-04	8.52E-02	1.02E-02	1.35E+00	1.30E+00	1.45E+00	7.77E+00	3.50E-01	1.09E+01	1.30E+00	1.66E-04	8.52E-02	1.02E-02	1.40E+00
1778	494711.06	3859051.99	1.20E+00	1.41E-04	8.40E-02	9.77E-03	1.29E+00	1.25E+00	1.45E+00	7.66E+00	3.34E-01	1.07E+01	1.25E+00	1.65E-04	8.40E-02	9.77E-03	1.34E+00
1779	494761.06	3859051.99	1.15E+00	1.41E-04	8.25E-02	9.29E-03	1.24E+00	1.20E+00	1.44E+00	7.52E+00	3.18E-01	1.05E+01	1.19E+00	1.65E-04	8.25E-02	9.29E-03	1.29E+00
1780	494811.06	3859051.99	1.11E+00	1.41E-04	8.15E-02	8.94E-03	1.21E+00	1.16E+00	1.44E+00	7.43E+00	3.06E-01	1.03E+01	1.16E+00	1.65E-04	8.15E-02	8.94E-03	1.25E+00
1781	494861.06	3859051.99	1.08E+00	1.26E-04	8.02E-02	8.64E-03	1.17E+00	1.13E+00	1.29E+00	7.31E+00	2.95E-01	1.00E+01	1.13E+00	1.48E-04	8.02E-02	8.64E-03	1.21E+00
1782	494911.06	3859051.99	1.02E+00	1.26E-04	7.73E-02	8.17E-03	1.11E+00	1.07E+00	1.28E+00	7.05E+00	2.79E-01	9.68E+00	1.07E+00	1.47E-04	7.73E-02	8.17E-03	1.15E+00
1783	494961.06	3859051.99	9.35E-01	1.25E-04	7.18E-02	7.59E-03	1.01E+00	9.75E-01	1.28E+00	6.55E+00	2.59E-01	9.06E+00	9.73E-01	1.47E-04	7.18E-02	7.59E-03	1.05E+00
1784	495011.06	3859051.99	8.71E-01	1.25E-04	6.76E-02	7.31E-03	9.46E-01	9.08E-01	1.28E+00	6.17E+00	2.50E-01	8.60E+00	9.07E-01	1.46E-04	6.76E-02	7.31E-03	9.82E-01
1785	495061.06	3859051.99	8.30E-01	1.25E-04	6.50E-02	7.13E-03	9.03E-01	8.66E-01	1.27E+00	5.93E+00	2.44E-01	8.31E+00	8.65E-01	1.46E-04	6.50E-02	7.13E-03	9.37E-01
1786	495111.06	3859051.99	8.11E-01	1.24E-04	6.40E-02	7.07E-03	8.82E-01	8.46E-01	1.27E+00	5.83E+00	2.42E-01	8.19E+00	8.45E-01	1.45E-04	6.40E-02	7.07E-03	9.16E-01
1787	495161.06	3859051.99	8.35E-01	1.24E-04	6.65E-02	7.10E-03	9.09E-01	8.72E-01	1.27E+00	6.06E+00	2.43E-01	8.44E+00	8.70E-01	1.45E-04	6.65E-02	7.10E-03	9.44E-01
1788	495211.06	3859051.99	8.10E-01	1.24E-04	6.49E-02	7.05E-03	8.82E-01	8.45E-01	1.26E+00	5.92E+00	2.41E-01	8.27E+00	8.43E-01	1.45E-04	6.49E-02	7.05E-03	9.15E-01
1789	495261.06	3859051.99	8.20E-01	1.23E-04	6.64E-02	7.06E-03	8.93E-01	8.55E-01	1.26E+00	6.06E+00	2.41E-01	8.42E+00	8.54E-01	1.44E-04	6.64E-02	7.06E-03	9.27E-01
1790	495311.06	3859051.99	8.04E-01	1.23E-04	6.56E-02	7.02E-03	8.77E-01	8.39E-01	1.26E+00	5.98E+00	2.40E-01	8.32E+00	8.38E-01	1.44E-04	6.56E-02	7.02E-03	9.11E-01
1791	495361.06	3859051.99	7.99E-01	1.23E-04	6.57E-02	7.01E-03	8.72E-01	8.34E-01	1.26E+00	5.99E+00	2.40E-01	8.32E+00	8.32E-01	1.44E-04	6.57E-02	7.01E-03	9.05E-01
1792	495411.06	3859051.99	8.03E-01	1.23E-04	6.64E-02	7.00E-03	8.77E-01	8.38E-01	1.25E+00	6.06E+00	2.39E-01	8.39E+00	8.36E-01	1.43E-04	6.64E-02	7.00E-03	9.10E-01
1793	495461.06	3859051.99	8.08E-01	1.22E-04	6.70E-02	6.99E-03	8.82E-01	8.43E-01	1.25E+00	6.11E+00	2.39E-01	8.44E+00	8.41E-01	1.43E-04	6.70E-02	6.99E-03	9.15E-01
1794	495511.06	3859051.99	7.78E-01	1.22E-04	6.46E-02	6.93E-03	8.50E-01	8.12E-01	1.25E+00	5.90E+00	2.37E-01	8.19E+00	8.10E-01	1.43E-04	6.46E-02	6.93E-03	8.82E-01
1795	495561.06	3859051.99	7.58E-01	1.22E-04	6.30E-02	6.88E-03	8.28E-01	7.91E-01	1.24E+00	5.75E+00	2.35E-01	8.01E+00	7.89E-01	1.42E-04	6.30E-02	6.88E-03	8.59E-01
1796	495611.06	3859051.99	7.45E-01	1.21E-04	6.16E-02	6.83E-03	8.13E-01	7.77E-01	1.24E+00	5.62E+00	2.34E-01	7.87E+00	7.75E-01	1.42E-04	6.16E-02	6.83E-03	8.44E-01
1797	495661.06	3859051.99	7.65E-01	1.21E-04	6.31E-02	6.84E-03	8.35E-01	7.98E-01	1.24E+00	5.75E+00	2.34E-01	8.02E+00	7.97E-01	1.42E-04	6.31E-02	6.84E-03	8.67E-01
1798	494311.06	3859101.99	1.61E+00	1.40E-04	8.74E-02	1.36E-02	1.71E+00	1.68E+00	1.43E+00	7.97E+00	4.66E-01	1.15E+01	1.68E+00	1.64E-04	8.74E-02	1.36E-02	1.78E+00
1799	494361.06	3859101.99	1.59E+00	1.40E-04	8.71E-02	1.34E-02	1.69E+00	1.66E+00	1.43E+00	7.94E+00	4.60E-01	1.15E+01	1.66E+00	1.63E-04	8.71E-02	1.34E-02	1.76E+00
1800	494411.06	3859101.99	1.58E+00	1.39E-04	8.71E-02	1.33E-02	1.68E+00	1.64E+00	1.42E+00	7.94E+00	4.54E-01	1.15E+01	1.64E+00	1.63E-04	8.71E-02	1.33E-02	1.74E+00
1801	494461.06	3859101.99	1.54E+00	1.39E-04	8.70E-02	1.30E-02	1.64E+00	1.61E+00	1.42E+00	7.94E+00	4.45E-01	1.14E+01	1.61E+00	1.63E-04	8.70E-02	1.30E-02	1.71E+00
1802	494511.06	3859101.99	1.50E+00	1.39E-04	8.66E-02	1.26E-02	1.59E+00	1.56E+00	1.42E+00	7.90E+00	4.31E-01	1.13E+01	1.56E+00	1.62E-04	8.66E-02	1.26E-02	1.66E+00
1803	494561.06	3859101.99	1.46E+00	1.39E-04	8.61E-02	1.22E-02	1.55E+00	1.52E+00	1.42E+00	7.85E+00	4.18E-01	1.12E+01	1.52E+00	1.62E-04	8.61E-02	1.22E-02	1.61E+00
1804	494611.06	3859101.99	1.39E+00	1.39E-04	8.47E-02	1.17E-02	1.49E+00	1.45E+00	1.42E+00	7.73E+00	3.99E-01	1.10E+01	1.45E+00	1.62E-04	8.47E-02	1.17E-02	1.55E+00
1805	494661.06	3859101.99	1.35E+00	1.39E-04	8.38E-02	1.13E-02	1.45E+00	1.41E+00	1.42E+00	7.64E+00	3.85E-01	1.09E+01	1.41E+00	1.62E-04	8.38E-02	1.13E-02	1.50E+00
1806	494711.06	3859101.99	1.28E+00	1.39E-04	8.12E-02	1.05E-02	1.37E+00	1.33E+00	1.42E+00	7.41E+00	3.60E-01	1.05E+01	1.33E+00	1.62E-04	8.12E-02	1.05E-02	1.42E+00
1807	494761.06	3859101.99	1.26E+00	1.38E-04	8.08E-02	1.03E-02	1.35E+00	1.31E+00	1.41E+00	7.37E+00	3.54E-01	1.05E+01	1.31E+00	1.62E-04	8.08E-02	1.03E-02	1.40E+00
1808	494811.06	3859101.99	1.21E+00	1.38E-04	7.89E-02	9.91E-03	1.30E+00	1.26E+00	1.41E+00	7.20E+00	3.39E-01	1.02E+01	1.26E+00	1.62E-04	7.89E-02	9.91E-03	1.35E+00
1809	494861.06	3859101.99	1.17E+00	1.38E-04	7.71E-02	9.51E-03	1.26E+00	1.22E+00	1.41E+00	7.03E+00	3.25E-01	9.99E+00	1.22E+00	1.62E-04	7.71E-02	9.51E-03	1.30E+00
1810	494911.06	3859101.99	1.11E+00	1.23E-04	7.51E-02	8.93E-03	1.19E+00	1.16E+00	1.26E+00	6.85E+00	3.05E-01	9.56E+00	1.15E+00	1.44E-04	7.51E-02	8.93E-03	1.24E+00
1811	494961.06	3859101.99	1.01E+00	1.23E-04	7.06E-02	8.11E-03	1.09E+00	1.06E+00	1.25E+00	6.44E+00	2.77E-01	9.03E+00	1.06E+00	1.43E-04	7.06E-02	8.11E-03	1.13E+00
1812	495011.06	3859101.99	9.14E-01	1.22E-04	6.50E-02	7.50E-03	9.87E-01	9.54E-01	1.25E+00	5.93E+00	2.56E-01	8.39E+00	9.52E-01	1.43E-04	6.50E-02	7.50E-03	1.02E+00
1813	495061.06	3859101.99	9.21E-01	1.22E-04	6.62E-02	7.49E-03	9.95E-01	9.61E-01	1.25E+00	6.04E+00	2.56E-01	8.50E+00	9.59E-01	1.43E-04	6.62E-02	7.49E-03	1.03E+00
1814	495111.06	3859101.99	8.98E-01	1.22E-04	6.53E-02	7.37E-03	9.70E-01	9.37E-01	1.24E+00	5.96E+00	2.52E-01	8.39E+00	9.35E-01	1.42E-04	6.53E-02	7.37E-03	1.01E+00
1815	495161.06	3859101.99	9.24E-01	1.21E-04	6.77E-02	7.43E-03	9.99E-01	9.64E-01	1.24E+00	6.18E+00	2.54E-01	8.64E+00	9.62E-01	1.42E-04	6.77E-02	7.43E-03	1.04E+00
1816	495211.06	3859101.99	9.02E-01	1.21E-04	6.69E-02	7.32E-03	9.77E-01	9.42E-01	1.24E+00	6.11E+00	2.50E-01	8.53E+00	9.40E-01	1.42E-04	6.69E-02	7.32E-03	1.01E+00
1817	495261.06	3859101.99	9.07E-01	1.21E-04	6.80E-02	7.31E-03	9.83E-01	9.47E-01	1.23E+00	6.20E+00	2.50E-01	8.63E+00	9.45E-01	1.41E-04	6.80E-02	7.31E-03	1.02E+00
1818	495311.06	3859101.99	9.00E-01	1.21E-04	7.02E-02	7.34E-03	9.78E-01	9.39E-01	1.23E+00	6.41E+00	2.51E-01	8.83E+00	9.37E-01	1.41E-04	7.02E-02	7.34E-03	1.02E+00
1819	495361.06	3859101.99	9.05E-01	1.20E-04	6.94E-02	7.25E-03	9.81E-01	9.44E-01	1.23E+00	6.33E+00	2.48E-01	8.75E+00	9.42E-01	1.41E-04	6.94E-02	7.25E-03	1.02E+00
1820	495411.06	3859101.99	9.00E-01	1.20E-04	6.98E-02	7.21E-03	9.77E-01	9.39E-01	1.23E+00	6.36E+00	2.47E-01	8.78E+00	9.37E-01	1.41E-04	6.98E-02	7.21E-03	1.01E+00
1821	495461.06	3859101.99	8.85E-01	1.20E-04	7.20E-02	7.22E-03	9.64E-01	9.23E-01	1.22E+00	6.56E+00	2.47E-01	8.96E+00	9.21E-01	1.40E-04	7.20E-02	7.22E-03	1.00E+00
1822	495511.06	3859101.99	8.75E-01	1.20E-04	7.18E-02	7.15E-03	9.54E-01	9.13E-01	1.22E+00	6.54E+00	2.45E-01	8.92E+00	9.11E-01	1.40E-04	7.18E-02	7.15E-03	9.90E-01
1823	495561.06	3859101.99	8.51E-01	1.19E-04	6.77E-02	6.96E-03	9.26E-01	8.88E-01	1.22E+00	6.17E+00	2.38E-01	8.52E+00	8.86E-01	1.40E-04	6.77E-02	6.96E-03	9.61E-01
1824	495611.06	3859101.99	8.28E-01	1.19E-04	6.62E-02	6.91E-03	9.02E-01	8.64E-01	1.22E+00	6.04E+00	2.36E-01	8.36E+00	8.63E-01	1.39E-04	6.62E-02	6.91E-03	9.36E-01
1825	495661.06	3859101.99	8.32E-01	1.19E-04	6.68E-02	6.89E-03	9.05E-01	8.68E-01	1.21E+00	6.10E+00	2.36E-01	8.41E+00	8.66E-01	1.39E-04	6.68E-02	6.89E-03	9.40E-01
1826	494311.06	3859151.99	1.71E+00	1.40E-04	8.69E-02	1.45E-02	1.81E+00	1.78E+00	1.43E+00	7.92E+00	4.97E-01	1.16E+01	1.78E+00	1.64E-04	8.69E-02	1.45E-02	1.88E+00

1827	494361.06	3859151.99	1.69E+00	1.40E-04	8.62E-02	1.44E-02	1.79E+00	1.77E+00	1.43E+00	7.86E+00	4.93E-01	1.16E+01	1.76E+00	1.64E-04	8.62E-02	1.44E-02	1.86E+00
1828	494411.06	3859151.99	1.66E+00	1.39E-04	8.58E-02	1.41E-02	1.76E+00	1.73E+00	1.42E+00	7.83E+00	4.83E-01	1.15E+01	1.73E+00	1.62E-04	8.58E-02	1.41E-02	1.83E+00
1829	494461.06	3859151.99	1.62E+00	1.37E-04	8.55E-02	1.38E-02	1.72E+00	1.69E+00	1.40E+00	7.80E+00	4.71E-01	1.14E+01	1.69E+00	1.60E-04	8.55E-02	1.38E-02	1.79E+00
1830	494511.06	3859151.99	1.57E+00	1.36E-04	8.52E-02	1.34E-02	1.67E+00	1.64E+00	1.39E+00	7.77E+00	4.57E-01	1.13E+01	1.64E+00	1.59E-04	8.52E-02	1.34E-02	1.74E+00
1831	494561.06	3859151.99	1.54E+00	1.36E-04	8.45E-02	1.31E-02	1.64E+00	1.61E+00	1.39E+00	7.71E+00	4.49E-01	1.12E+01	1.61E+00	1.59E-04	8.45E-02	1.31E-02	1.71E+00
1832	494611.06	3859151.99	1.49E+00	1.35E-04	8.37E-02	1.27E-02	1.59E+00	1.56E+00	1.38E+00	7.63E+00	4.33E-01	1.10E+01	1.55E+00	1.58E-04	8.37E-02	1.27E-02	1.65E+00
1833	494661.06	3859151.99	1.46E+00	1.35E-04	8.28E-02	1.23E-02	1.55E+00	1.52E+00	1.38E+00	7.55E+00	4.22E-01	1.09E+01	1.52E+00	1.58E-04	8.28E-02	1.23E-02	1.61E+00
1834	494711.06	3859151.99	1.43E+00	1.35E-04	8.18E-02	1.21E-02	1.52E+00	1.49E+00	1.38E+00	7.46E+00	4.12E-01	1.07E+01	1.49E+00	1.58E-04	8.18E-02	1.21E-02	1.58E+00
1835	494761.06	3859151.99	1.36E+00	1.35E-04	8.02E-02	1.14E-02	1.45E+00	1.42E+00	1.38E+00	7.31E+00	3.90E-01	1.05E+01	1.42E+00	1.58E-04	8.02E-02	1.14E-02	1.51E+00
1836	494811.06	3859151.99	1.30E+00	1.35E-04	7.84E-02	1.08E-02	1.39E+00	1.36E+00	1.38E+00	7.15E+00	3.71E-01	1.03E+01	1.36E+00	1.58E-04	7.84E-02	1.08E-02	1.45E+00
1837	494861.06	3859151.99	1.27E+00	1.35E-04	7.73E-02	1.05E-02	1.36E+00	1.32E+00	1.38E+00	7.05E+00	3.58E-01	1.01E+01	1.32E+00	1.58E-04	7.73E-02	1.05E-02	1.41E+00
1838	494911.06	3859151.99	1.20E+00	1.35E-04	7.44E-02	9.76E-03	1.28E+00	1.25E+00	1.38E+00	6.78E+00	3.34E-01	9.75E+00	1.25E+00	1.58E-04	7.44E-02	9.76E-03	1.33E+00
1839	494961.06	3859151.99	1.10E+00	1.20E-04	7.13E-02	9.10E-03	1.18E+00	1.15E+00	1.22E+00	6.50E+00	3.11E-01	9.18E+00	1.15E+00	1.40E-04	7.13E-02	9.10E-03	1.23E+00
1840	495011.06	3859151.99	1.01E+00	1.19E-04	6.46E-02	7.99E-03	1.08E+00	1.05E+00	1.22E+00	5.89E+00	2.73E-01	8.43E+00	1.05E+00	1.40E-04	6.46E-02	7.99E-03	1.12E+00
1841	495061.06	3859151.99	1.00E+00	1.19E-04	6.47E-02	7.93E-03	1.07E+00	1.04E+00	1.22E+00	5.90E+00	2.71E-01	8.44E+00	1.04E+00	1.39E-04	6.47E-02	7.93E-03	1.12E+00
1842	495111.06	3859151.99	9.89E-01	1.19E-04	6.47E-02	7.80E-03	1.06E+00	1.03E+00	1.21E+00	5.90E+00	2.67E-01	8.42E+00	1.03E+00	1.39E-04	6.47E-02	7.80E-03	1.10E+00
1843	495161.06	3859151.99	1.01E+00	1.19E-04	6.69E-02	7.96E-03	1.09E+00	1.06E+00	1.21E+00	6.10E+00	2.72E-01	8.64E+00	1.06E+00	1.39E-04	6.69E-02	7.96E-03	1.13E+00
1844	495211.06	3859151.99	1.01E+00	1.18E-04	6.72E-02	7.85E-03	1.08E+00	1.05E+00	1.21E+00	6.13E+00	2.69E-01	8.66E+00	1.05E+00	1.39E-04	6.72E-02	7.85E-03	1.12E+00
1845	495261.06	3859151.99	9.99E-01	1.18E-04	6.76E-02	7.75E-03	1.07E+00	1.04E+00	1.21E+00	6.17E+00	2.65E-01	8.69E+00	1.04E+00	1.38E-04	6.76E-02	7.75E-03	1.12E+00
1846	495311.06	3859151.99	9.95E-01	1.18E-04	6.82E-02	7.69E-03	1.07E+00	1.04E+00	1.21E+00	6.22E+00	2.63E-01	8.73E+00	1.04E+00	1.38E-04	6.82E-02	7.69E-03	1.11E+00
1847	495361.06	3859151.99	9.88E-01	1.18E-04	6.86E-02	7.60E-03	1.06E+00	1.03E+00	1.20E+00	6.26E+00	2.60E-01	8.75E+00	1.03E+00	1.38E-04	6.86E-02	7.60E-03	1.11E+00
1848	495411.06	3859151.99	1.01E+00	1.18E-04	7.06E-02	7.71E-03	1.08E+00	1.05E+00	1.20E+00	6.44E+00	2.64E-01	8.95E+00	1.05E+00	1.38E-04	7.06E-02	7.71E-03	1.13E+00
1849	495461.06	3859151.99	9.97E-01	1.17E-04	7.10E-02	7.63E-03	1.08E+00	1.04E+00	1.20E+00	6.48E+00	2.61E-01	8.98E+00	1.04E+00	1.37E-04	7.10E-02	7.63E-03	1.12E+00
1850	495511.06	3859151.99	9.65E-01	1.17E-04	6.99E-02	7.37E-03	1.04E+00	1.01E+00	1.20E+00	6.38E+00	2.52E-01	8.84E+00	1.00E+00	1.37E-04	6.99E-02	7.37E-03	1.08E+00
1851	495561.06	3859151.99	9.45E-01	1.17E-04	6.94E-02	7.22E-03	1.02E+00	9.86E-01	1.20E+00	6.33E+00	2.47E-01	8.76E+00	9.84E-01	1.37E-04	6.94E-02	7.22E-03	1.06E+00
1852	495611.06	3859151.99	9.28E-01	1.17E-04	6.90E-02	7.13E-03	1.00E+00	9.68E-01	1.19E+00	6.30E+00	2.44E-01	8.70E+00	9.66E-01	1.37E-04	6.90E-02	7.13E-03	1.04E+00
1853	495661.06	3859151.99	9.15E-01	1.17E-04	6.88E-02	7.05E-03	9.91E-01	9.55E-01	1.19E+00	6.28E+00	2.41E-01	8.66E+00	9.53E-01	1.36E-04	6.88E-02	7.05E-03	1.03E+00
1854	494311.06	3859201.99	1.78E+00	1.43E-04	8.71E-02	1.52E-02	1.88E+00	1.86E+00	1.46E+00	7.94E+00	5.21E-01	1.18E+01	1.85E+00	1.67E-04	8.71E-02	1.52E-02	1.96E+00
1855	494361.06	3859201.99	1.76E+00	1.42E-04	8.63E-02	1.51E-02	1.86E+00	1.84E+00	1.45E+00	7.87E+00	5.17E-01	1.17E+01	1.84E+00	1.66E-04	8.63E-02	1.51E-02	1.94E+00
1856	494411.06	3859201.99	1.74E+00	1.41E-04	8.57E-02	1.49E-02	1.84E+00	1.81E+00	1.44E+00	7.82E+00	5.11E-01	1.16E+01	1.81E+00	1.65E-04	8.57E-02	1.49E-02	1.91E+00
1857	494461.06	3859201.99	1.70E+00	1.38E-04	8.55E-02	1.47E-02	1.80E+00	1.77E+00	1.41E+00	7.80E+00	5.01E-01	1.15E+01	1.77E+00	1.62E-04	8.55E-02	1.47E-02	1.87E+00
1858	494511.06	3859201.99	1.67E+00	1.37E-04	8.48E-02	1.44E-02	1.77E+00	1.74E+00	1.40E+00	7.73E+00	4.93E-01	1.14E+01	1.74E+00	1.60E-04	8.48E-02	1.44E-02	1.84E+00
1859	494561.06	3859201.99	1.62E+00	1.35E-04	8.48E-02	1.40E-02	1.72E+00	1.69E+00	1.37E+00	7.74E+00	4.78E-01	1.13E+01	1.69E+00	1.57E-04	8.48E-02	1.40E-02	1.79E+00
1860	494611.06	3859201.99	1.58E+00	1.33E-04	8.43E-02	1.36E-02	1.68E+00	1.65E+00	1.36E+00	7.68E+00	4.64E-01	1.12E+01	1.64E+00	1.56E-04	8.43E-02	1.36E-02	1.74E+00
1861	494661.06	3859201.99	1.55E+00	1.33E-04	8.36E-02	1.32E-02	1.64E+00	1.61E+00	1.36E+00	7.63E+00	4.52E-01	1.10E+01	1.61E+00	1.55E-04	8.36E-02	1.32E-02	1.71E+00
1862	494711.06	3859201.99	1.51E+00	1.32E-04	8.29E-02	1.29E-02	1.61E+00	1.58E+00	1.35E+00	7.56E+00	4.41E-01	1.09E+01	1.58E+00	1.55E-04	8.29E-02	1.29E-02	1.67E+00
1863	494761.06	3859201.99	1.45E+00	1.32E-04	8.19E-02	1.24E-02	1.55E+00	1.52E+00	1.35E+00	7.47E+00	4.23E-01	1.08E+01	1.51E+00	1.55E-04	8.19E-02	1.24E-02	1.61E+00
1864	494811.06	3859201.99	1.40E+00	1.32E-04	8.07E-02	1.19E-02	1.50E+00	1.47E+00	1.35E+00	7.36E+00	4.06E-01	1.06E+01	1.46E+00	1.55E-04	8.07E-02	1.19E-02	1.56E+00
1865	494861.06	3859201.99	1.35E+00	1.32E-04	7.97E-02	1.15E-02	1.44E+00	1.40E+00	1.35E+00	7.27E+00	3.94E-01	1.04E+01	1.40E+00	1.55E-04	7.97E-02	1.15E-02	1.49E+00
1866	494911.06	3859201.99	1.27E+00	1.32E-04	7.62E-02	1.04E-02	1.35E+00	1.32E+00	1.35E+00	6.95E+00	3.57E-01	9.98E+00	1.32E+00	1.55E-04	7.62E-02	1.04E-02	1.41E+00
1867	494961.06	3859201.99	1.18E+00	1.32E-04	7.27E-02	9.56E-03	1.26E+00	1.23E+00	1.35E+00	6.63E+00	3.27E-01	9.55E+00	1.23E+00	1.55E-04	7.27E-02	9.56E-03	1.31E+00
1868	495011.06	3859201.99	1.07E+00	1.16E-04	6.76E-02	8.54E-03	1.14E+00	1.11E+00	1.19E+00	6.17E+00	2.92E-01	8.76E+00	1.11E+00	1.36E-04	6.76E-02	8.54E-03	1.19E+00
1869	495061.06	3859201.99	1.11E+00	1.16E-04	6.92E-02	8.87E-03	1.19E+00	1.16E+00	1.19E+00	6.32E+00	3.03E-01	8.97E+00	1.16E+00	1.36E-04	6.92E-02	8.87E-03	1.24E+00
1870	495111.06	3859201.99	1.11E+00	1.16E-04	6.91E-02	8.84E-03	1.19E+00	1.16E+00	1.19E+00	6.30E+00	3.02E-01	8.94E+00	1.16E+00	1.36E-04	6.91E-02	8.84E-03	1.23E+00
1871	495161.06	3859201.99	1.10E+00	1.16E-04	6.86E-02	8.76E-03	1.18E+00	1.15E+00	1.19E+00	6.25E+00	3.00E-01	8.89E+00	1.15E+00	1.36E-04	6.86E-02	8.76E-03	1.22E+00
1872	495211.06	3859201.99	1.08E+00	1.16E-04	6.73E-02	8.52E-03	1.16E+00	1.13E+00	1.18E+00	6.14E+00	2.92E-01	8.74E+00	1.12E+00	1.36E-04	6.73E-02	8.52E-03	1.20E+00
1873	495261.06	3859201.99	1.08E+00	1.16E-04	6.75E-02	8.50E-03	1.16E+00	1.13E+00	1.18E+00	6.16E+00	2.91E-01	8.76E+00	1.13E+00	1.35E-04	6.75E-02	8.50E-03	1.21E+00
1874	495311.06	3859201.99	1.08E+00	1.16E-04	6.73E-02	8.41E-03	1.16E+00	1.13E+00	1.18E+00	6.14E+00	2.88E-01	8.73E+00	1.13E+00	1.35E-04	6.73E-02	8.41E-03	1.20E+00
1875	495361.06	3859201.99	1.08E+00	1.15E-04	6.74E-02	8.35E-03	1.16E+00	1.13E+00	1.18E+00	6.15E+00	2.86E-01	8.74E+00	1.13E+00	1.35E-04	6.74E-02	8.35E-03	1.20E+00
1876	495411.06	3859201.99	1.10E+00	1.33E-04	6.85E-02	8.43E-03	1.18E+00	1.15E+00	1.36E+00	6.25E+00	2.88E-01	9.04E+00	1.14E+00	1.55E-04	6.85E-02	8.43E-03	1.22E+00
1877	495461.06	3859201.99	1.09E+00	1.33E-04	6.87E-02	8.27E-03	1.16E+00	1.13E+00	1.36E+00	6.26E+00	2.83E-01	9.03E+00	1.13E+00	1.55E-04	6.87E-02	8.27E-03	1.21E+00
1878	495511.06	3859201.99	1.07E+00	1.15E-04	6.90E-02	8.13E-03	1.15E+00	1.12E+00	1.17E+00	6.29E+00	2.78E-01	8.86E+00	1.12E+00	1.34E-04	6.90E-02	8.13E-03	1.19E+00
1879	495561.06	3859201.99	1.04E+00	1.15E-04	6.82E-02	7.83E-03	1.11E+00	1.08E+00	1.17E+00	6.22E+00	2.68E-01	8.75E+00	1.08E+00	1.34E-04	6.82E-02	7.83E-03	1.16E+00
1880	495611.06	3859201.99	1.01E+00	1.15E-04	6.79E-02	7.63E-03	1.09E+00	1.06E+00	1.17E+00	6.20E+00	2.61E-01	8.69E+00	1.06E+00	1.34E-04	6.79E-02	7.63E-03	1.13E+00
1881	495661.06	3859201.99	1.00E+00	1.14E-04	6.81E-02	7.50E-03	1.08E+00	1.04E+00	1.17E+00	6.21E+00	2.57E-01	8.68E+00	1.04E+00	1.34E-04	6.81E-02	7.50E-03	1.12E+00
1882	494311.06	3859251.99	1.84E+00	1.48E-04	8.61E-02	1.55E-02	1.94E+00	1.92E+00	1.51E+00	7.85E+00	5.31E-01	1.18E+01	1.92E+00	1.73E-04	8.61E-02	1.55E-02	2.02E+00
1883	494361.06	3859251.99	1.82E+00	1.45E-04	8.62E-02	1.55E-02	1.92E+00	1.90E+00	1.48E+00	7.86E+00	5.29E-01	1.18E+01	1.89E+00	1.70E-04	8.62E-02	1.55E-02	1.99E+00
1884	494411.06	3859251.99	1.78E+00	1.42E-04	8.67E-02	1.54E-02	1.88E+00	1.86E+00	1.45E+00	7.91E+00	5.26E-01	1.17E+01	1.86E+00	1.66E-04	8.67E-02	1.54E-02	1.96E+00
1885	494461.06	3859251.99	1.76E+00	1.40E-04	8.63E-02	1.52E-02	1.86E+00	1.84E+00	1.43E+00	7.87E+00	5.21E-01	1.17E+01	1.83E+00	1.64E-04	8.63E-02	1.52E-02	1.93E+00
1886	494511.06	3859251.99	1.72E+00	1.36E-04	8.66E-02	1.50E-02	1.82E+00	1.79E+00	1.39E+00	7.90E+00	5.13E-01	1.16E+01	1.79E+00	1.60E-04	8.66E-02	1.50E-02	1.89E+00
1887	494561.06	3859251.99	1.69E+00	1.35E-04	8.60E-02	1.48E-02	1.79E+00	1.76E+00	1.38E+00	7.85E+00	5.05E-01	1.15E+01	1.76E+00	1.58E-04	8.60E-02	1.48E-02	1.86E+00

1888	494611.06	3859251.99	1.65E+00	1.33E-04	8.56E-02	1.44E-02	1.75E+00	1.72E+00	1.36E+00	7.81E+00	4.93E-01	1.14E+01	1.72E+00	1.56E-04	8.56E-02	1.44E-02	1.82E+00
1889	494661.06	3859251.99	1.63E+00	1.33E-04	8.46E-02	1.42E-02	1.72E+00	1.70E+00	1.35E+00	7.72E+00	4.86E-01	1.13E+01	1.69E+00	1.55E-04	8.46E-02	1.42E-02	1.79E+00
1890	494711.06	3859251.99	1.59E+00	1.32E-04	8.37E-02	1.39E-02	1.69E+00	1.66E+00	1.35E+00	7.63E+00	4.76E-01	1.11E+01	1.66E+00	1.54E-04	8.37E-02	1.39E-02	1.76E+00
1891	494761.06	3859251.99	1.51E+00	1.29E-04	8.31E-02	1.32E-02	1.60E+00	1.57E+00	1.32E+00	7.58E+00	4.52E-01	1.09E+01	1.57E+00	1.51E-04	8.31E-02	1.32E-02	1.67E+00
1892	494811.06	3859251.99	1.49E+00	1.29E-04	8.19E-02	1.28E-02	1.59E+00	1.56E+00	1.32E+00	7.47E+00	4.38E-01	1.08E+01	1.56E+00	1.51E-04	8.19E-02	1.28E-02	1.65E+00
1893	494861.06	3859251.99	1.41E+00	1.29E-04	8.10E-02	1.23E-02	1.51E+00	1.47E+00	1.32E+00	7.38E+00	4.20E-01	1.06E+01	1.47E+00	1.51E-04	8.10E-02	1.23E-02	1.56E+00
1894	494911.06	3859251.99	1.33E+00	1.30E-04	7.79E-02	1.11E-02	1.42E+00	1.39E+00	1.32E+00	7.10E+00	3.81E-01	1.02E+01	1.39E+00	1.52E-04	7.79E-02	1.11E-02	1.48E+00
1895	494961.06	3859251.99	1.29E+00	1.30E-04	7.64E-02	1.07E-02	1.38E+00	1.35E+00	1.33E+00	6.97E+00	3.66E-01	1.00E+01	1.35E+00	1.52E-04	7.64E-02	1.07E-02	1.43E+00
1896	495011.06	3859251.99	1.24E+00	1.30E-04	7.44E-02	1.01E-02	1.33E+00	1.30E+00	1.33E+00	6.79E+00	3.47E-01	9.76E+00	1.29E+00	1.52E-04	7.44E-02	1.01E-02	1.38E+00
1897	495061.06	3859251.99	1.24E+00	1.30E-04	7.44E-02	1.02E-02	1.33E+00	1.30E+00	1.33E+00	6.78E+00	3.48E-01	9.76E+00	1.30E+00	1.52E-04	7.44E-02	1.02E-02	1.38E+00
1898	495111.06	3859251.99	1.22E+00	1.30E-04	7.35E-02	9.95E-03	1.31E+00	1.28E+00	1.33E+00	6.70E+00	3.40E-01	9.65E+00	1.27E+00	1.52E-04	7.35E-02	9.95E-03	1.36E+00
1899	495161.06	3859251.99	1.21E+00	1.30E-04	7.30E-02	9.85E-03	1.30E+00	1.27E+00	1.33E+00	6.65E+00	3.37E-01	9.59E+00	1.26E+00	1.53E-04	7.30E-02	9.85E-03	1.35E+00
1900	495211.06	3859251.99	1.19E+00	1.31E-04	7.20E-02	9.60E-03	1.27E+00	1.24E+00	1.33E+00	6.56E+00	3.28E-01	9.47E+00	1.24E+00	1.53E-04	7.20E-02	9.60E-03	1.32E+00
1901	495261.06	3859251.99	1.18E+00	1.31E-04	7.27E-02	9.84E-03	1.27E+00	1.23E+00	1.34E+00	6.63E+00	3.36E-01	9.54E+00	1.23E+00	1.53E-04	7.27E-02	9.84E-03	1.31E+00
1902	495311.06	3859251.99	1.18E+00	1.31E-04	7.13E-02	9.50E-03	1.26E+00	1.23E+00	1.34E+00	6.50E+00	3.25E-01	9.39E+00	1.23E+00	1.53E-04	7.13E-02	9.50E-03	1.31E+00
1903	495361.06	3859251.99	1.17E+00	1.31E-04	7.06E-02	9.37E-03	1.25E+00	1.22E+00	1.34E+00	6.44E+00	3.20E-01	9.32E+00	1.22E+00	1.53E-04	7.06E-02	9.37E-03	1.30E+00
1904	495411.06	3859251.99	1.18E+00	1.31E-04	7.06E-02	9.39E-03	1.26E+00	1.24E+00	1.34E+00	6.44E+00	3.21E-01	9.33E+00	1.23E+00	1.53E-04	7.06E-02	9.39E-03	1.31E+00
1905	495461.06	3859251.99	1.17E+00	1.31E-04	7.01E-02	9.24E-03	1.25E+00	1.23E+00	1.34E+00	6.39E+00	3.16E-01	9.27E+00	1.22E+00	1.53E-04	7.01E-02	9.24E-03	1.30E+00
1906	495511.06	3859251.99	1.14E+00	1.31E-04	6.87E-02	8.89E-03	1.22E+00	1.19E+00	1.34E+00	6.26E+00	3.04E-01	9.10E+00	1.19E+00	1.53E-04	6.87E-02	8.89E-03	1.27E+00
1907	495561.06	3859251.99	1.13E+00	1.31E-04	6.79E-02	8.68E-03	1.20E+00	1.18E+00	1.34E+00	6.19E+00	2.97E-01	9.01E+00	1.17E+00	1.54E-04	6.79E-02	8.68E-03	1.25E+00
1908	495611.06	3859251.99	1.10E+00	1.31E-04	6.66E-02	8.38E-03	1.17E+00	1.15E+00	1.34E+00	6.07E+00	2.86E-01	8.85E+00	1.14E+00	1.54E-04	6.66E-02	8.38E-03	1.22E+00
1909	495661.06	3859251.99	1.08E+00	1.31E-04	6.58E-02	8.17E-03	1.15E+00	1.13E+00	1.34E+00	6.00E+00	2.80E-01	8.75E+00	1.13E+00	1.54E-04	6.58E-02	8.17E-03	1.20E+00
1910	494311.06	3859301.99	1.88E+00	1.58E-04	8.32E-02	1.54E-02	1.98E+00	1.96E+00	1.61E+00	7.59E+00	5.27E-01	1.17E+01	1.96E+00	1.85E-04	8.32E-02	1.54E-02	2.06E+00
1911	494361.06	3859301.99	1.86E+00	1.54E-04	8.41E-02	1.55E-02	1.96E+00	1.94E+00	1.58E+00	7.67E+00	5.30E-01	1.17E+01	1.94E+00	1.81E-04	8.41E-02	1.55E-02	2.04E+00
1912	494411.06	3859301.99	1.83E+00	1.49E-04	8.54E-02	1.56E-02	1.93E+00	1.91E+00	1.52E+00	7.79E+00	5.32E-01	1.18E+01	1.91E+00	1.75E-04	8.54E-02	1.56E-02	2.01E+00
1913	494461.06	3859301.99	1.80E+00	1.44E-04	8.62E-02	1.55E-02	1.90E+00	1.88E+00	1.47E+00	7.87E+00	5.31E-01	1.18E+01	1.88E+00	1.69E-04	8.62E-02	1.55E-02	1.98E+00
1914	494511.06	3859301.99	1.77E+00	1.41E-04	8.66E-02	1.54E-02	1.87E+00	1.85E+00	1.44E+00	7.90E+00	5.28E-01	1.17E+01	1.84E+00	1.65E-04	8.66E-02	1.54E-02	1.95E+00
1915	494561.06	3859301.99	1.75E+00	1.39E-04	8.65E-02	1.53E-02	1.85E+00	1.82E+00	1.42E+00	7.89E+00	5.24E-01	1.17E+01	1.82E+00	1.62E-04	8.65E-02	1.53E-02	1.92E+00
1916	494611.06	3859301.99	1.72E+00	1.36E-04	8.63E-02	1.51E-02	1.82E+00	1.79E+00	1.39E+00	7.87E+00	5.18E-01	1.16E+01	1.79E+00	1.59E-04	8.63E-02	1.51E-02	1.89E+00
1917	494661.06	3859301.99	1.69E+00	1.34E-04	8.60E-02	1.49E-02	1.79E+00	1.76E+00	1.37E+00	7.84E+00	5.11E-01	1.15E+01	1.76E+00	1.57E-04	8.60E-02	1.49E-02	1.86E+00
1918	494711.06	3859301.99	1.65E+00	1.31E-04	8.57E-02	1.46E-02	1.75E+00	1.72E+00	1.34E+00	7.82E+00	5.00E-01	1.14E+01	1.72E+00	1.54E-04	8.57E-02	1.46E-02	1.82E+00
1919	494761.06	3859301.99	1.61E+00	1.30E-04	8.51E-02	1.43E-02	1.71E+00	1.68E+00	1.33E+00	7.76E+00	4.88E-01	1.13E+01	1.68E+00	1.52E-04	8.51E-02	1.43E-02	1.78E+00
1920	494811.06	3859301.99	1.56E+00	1.28E-04	8.42E-02	1.37E-02	1.66E+00	1.63E+00	1.31E+00	7.68E+00	4.68E-01	1.11E+01	1.62E+00	1.50E-04	8.42E-02	1.37E-02	1.72E+00
1921	494861.06	3859301.99	1.48E+00	1.27E-04	8.21E-02	1.27E-02	1.57E+00	1.54E+00	1.29E+00	7.49E+00	4.35E-01	1.08E+01	1.54E+00	1.48E-04	8.21E-02	1.27E-02	1.63E+00
1922	494911.06	3859301.99	1.43E+00	1.27E-04	8.02E-02	1.22E-02	1.53E+00	1.50E+00	1.30E+00	7.31E+00	4.17E-01	1.05E+01	1.49E+00	1.48E-04	8.02E-02	1.22E-02	1.59E+00
1923	494961.06	3859301.99	1.34E+00	1.27E-04	7.79E-02	1.14E-02	1.43E+00	1.40E+00	1.30E+00	7.10E+00	3.89E-01	1.02E+01	1.40E+00	1.49E-04	7.79E-02	1.14E-02	1.49E+00
1924	495011.06	3859301.99	1.31E+00	1.27E-04	7.66E-02	1.10E-02	1.40E+00	1.37E+00	1.30E+00	6.98E+00	3.78E-01	1.00E+01	1.37E+00	1.49E-04	7.66E-02	1.10E-02	1.46E+00
1925	495061.06	3859301.99	1.36E+00	1.28E-04	7.80E-02	1.17E-02	1.45E+00	1.42E+00	1.30E+00	7.12E+00	4.00E-01	1.02E+01	1.41E+00	1.49E-04	7.80E-02	1.17E-02	1.50E+00
1926	495111.06	3859301.99	1.31E+00	1.28E-04	7.61E-02	1.10E-02	1.40E+00	1.36E+00	1.31E+00	6.94E+00	3.76E-01	9.99E+00	1.36E+00	1.50E-04	7.61E-02	1.10E-02	1.45E+00
1927	495161.06	3859301.99	1.30E+00	1.28E-04	7.52E-02	1.07E-02	1.38E+00	1.36E+00	1.31E+00	6.86E+00	3.67E-01	9.89E+00	1.35E+00	1.50E-04	7.52E-02	1.07E-02	1.44E+00
1928	495211.06	3859301.99	1.31E+00	1.28E-04	7.53E-02	1.08E-02	1.39E+00	1.36E+00	1.31E+00	6.87E+00	3.71E-01	9.91E+00	1.36E+00	1.50E-04	7.53E-02	1.08E-02	1.45E+00
1929	495261.06	3859301.99	1.30E+00	1.29E-04	7.50E-02	1.08E-02	1.39E+00	1.36E+00	1.31E+00	6.84E+00	3.69E-01	9.88E+00	1.35E+00	1.50E-04	7.50E-02	1.08E-02	1.44E+00
1930	495311.06	3859301.99	1.27E+00	1.29E-04	7.39E-02	1.05E-02	1.35E+00	1.32E+00	1.32E+00	6.74E+00	3.57E-01	9.74E+00	1.32E+00	1.51E-04	7.39E-02	1.05E-02	1.40E+00
1931	495361.06	3859301.99	1.27E+00	1.29E-04	7.37E-02	1.05E-02	1.35E+00	1.32E+00	1.32E+00	6.72E+00	3.58E-01	9.72E+00	1.32E+00	1.51E-04	7.37E-02	1.05E-02	1.40E+00
1932	495411.06	3859301.99	1.25E+00	1.29E-04	7.32E-02	1.03E-02	1.34E+00	1.31E+00	1.32E+00	6.67E+00	3.53E-01	9.66E+00	1.30E+00	1.51E-04	7.32E-02	1.03E-02	1.39E+00
1933	495461.06	3859301.99	1.25E+00	1.29E-04	7.28E-02	1.03E-02	1.33E+00	1.30E+00	1.32E+00	6.63E+00	3.51E-01	9.61E+00	1.30E+00	1.51E-04	7.28E-02	1.03E-02	1.38E+00
1934	495511.06	3859301.99	1.23E+00	1.30E-04	7.17E-02	9.95E-03	1.31E+00	1.28E+00	1.32E+00	6.54E+00	3.40E-01	9.48E+00	1.28E+00	1.52E-04	7.17E-02	9.95E-03	1.36E+00
1935	495561.06	3859301.99	1.19E+00	1.30E-04	7.00E-02	9.42E-03	1.27E+00	1.24E+00	1.32E+00	6.38E+00	3.22E-01	9.27E+00	1.24E+00	1.52E-04	7.00E-02	9.42E-03	1.32E+00
1936	495611.06	3859301.99	1.17E+00	1.30E-04	6.91E-02	9.21E-03	1.25E+00	1.22E+00	1.33E+00	6.30E+00	3.15E-01	9.16E+00	1.22E+00	1.52E-04	6.91E-02	9.21E-03	1.30E+00
1937	495661.06	3859301.99	1.16E+00	1.30E-04	6.81E-02	9.03E-03	1.23E+00	1.21E+00	1.33E+00	6.21E+00	3.09E-01	9.06E+00	1.21E+00	1.52E-04	6.81E-02	9.03E-03	1.28E+00
1938	494311.06	3859351.99	1.90E+00	1.67E-04	8.03E-02	1.51E-02	2.00E+00	1.99E+00	1.71E+00	7.33E+00	5.15E-01	1.15E+01	1.98E+00	1.95E-04	8.03E-02	1.51E-02	2.08E+00
1939	494361.06	3859351.99	1.89E+00	1.63E-04	8.13E-02	1.52E-02	1.98E+00	1.97E+00	1.67E+00	7.41E+00	5.21E-01	1.16E+01	1.97E+00	1.91E-04	8.13E-02	1.52E-02	2.06E+00
1940	494411.06	3859351.99	1.86E+00	1.57E-04	8.30E-02	1.55E-02	1.96E+00	1.94E+00	1.61E+00	7.57E+00	5.29E-01	1.16E+01	1.94E+00	1.84E-04	8.30E-02	1.55E-02	2.04E+00
1941	494461.06	3859351.99	1.83E+00	1.53E-04	8.42E-02	1.56E-02	1.93E+00	1.91E+00	1.56E+00	7.68E+00	5.32E-01	1.17E+01	1.91E+00	1.79E-04	8.42E-02	1.56E-02	2.01E+00
1942	494511.06	3859351.99	1.81E+00	1.49E-04	8.53E-02	1.56E-02	1.91E+00	1.89E+00	1.52E+00	7.77E+00	5.33E-01	1.17E+01	1.89E+00	1.74E-04	8.53E-02	1.56E-02	1.99E+00
1943	494561.06	3859351.99	1.79E+00	1.47E-04	8.54E-02	1.56E-02	1.89E+00	1.87E+00	1.50E+00	7.79E+00	5.32E-01	1.17E+01	1.87E+00	1.71E-04	8.54E-02	1.56E-02	1.97E+00
1944	494611.06	3859351.99	1.77E+00	1.43E-04	8.56E-02	1.55E-02	1.87E+00	1.84E+00	1.47E+00	7.81E+00	5.30E-01	1.17E+01	1.84E+00	1.68E-04	8.56E-02	1.55E-02	1.94E+00
1945	494661.06	3859351.99	1.74E+00	1.40E-04	8.58E-02	1.54E-02	1.84E+00	1.82E+00	1.43E+00	7.83E+00	5.27E-01	1.16E+01	1.81E+00	1.64E-04	8.58E-02	1.54E-02	1.92E+00
1946	494711.06	3859351.99	1.71E+00	1.36E-04	8.62E-02	1.52E-02	1.81E+00	1.78E+00	1.39E+00	7.86E+00	5.20E-01	1.15E+01	1.78E+00	1.59E-04	8.62E-02	1.52E-02	1.88E+00
1947	494761.06	3859351.99	1.66E+00	1.30E-04	8.67E-02	1.51E-02	1.76E+00	1.73E+00	1.33E+00	7.90E+00	5.17E-01	1.15E+01	1.72E+00	1.52E-04	8.67E-02	1.51E-02	1.83E+00
1948	494811.06	3859351.99	1.57E+00	1.26E-04	8.62E-02	1.40E-02	1.67E+00	1.64E+00	1.29E+00	7.87E+00	4.79E-01	1.13E+01	1.64E+00	1.47E-04	8.62E-02	1.40E-02	1.74E+00

1949	494861.06	3859351.99	1.54E+00	1.25E-04	8.53E-02	1.37E-02	1.64E+00	1.61E+00	1.28E+00	7.78E+00	4.68E-01	1.11E+01	1.61E+00	1.46E-04	8.53E-02	1.37E-02	1.71E+00
1950	494911.06	3859351.99	1.53E+00	1.25E-04	8.42E-02	1.35E-02	1.62E+00	1.59E+00	1.28E+00	7.68E+00	4.60E-01	1.10E+01	1.59E+00	1.46E-04	8.42E-02	1.35E-02	1.69E+00
1951	494961.06	3859351.99	1.49E+00	1.38E-04	8.27E-02	1.30E-02	1.58E+00	1.55E+00	1.41E+00	7.55E+00	4.45E-01	1.10E+01	1.55E+00	1.61E-04	8.27E-02	1.30E-02	1.65E+00
1952	495011.06	3859351.99	1.46E+00	1.25E-04	8.13E-02	1.27E-02	1.56E+00	1.53E+00	1.28E+00	7.42E+00	4.34E-01	1.07E+01	1.52E+00	1.46E-04	8.13E-02	1.27E-02	1.62E+00
1953	495061.06	3859351.99	1.48E+00	1.25E-04	8.07E-02	1.30E-02	1.57E+00	1.54E+00	1.28E+00	7.36E+00	4.44E-01	1.06E+01	1.54E+00	1.47E-04	8.07E-02	1.30E-02	1.64E+00
1954	495111.06	3859351.99	1.45E+00	1.26E-04	7.93E-02	1.26E-02	1.54E+00	1.51E+00	1.28E+00	7.23E+00	4.31E-01	1.05E+01	1.51E+00	1.47E-04	7.93E-02	1.26E-02	1.60E+00
1955	495161.06	3859351.99	1.43E+00	1.26E-04	7.81E-02	1.25E-02	1.52E+00	1.50E+00	1.29E+00	7.12E+00	4.26E-01	1.03E+01	1.49E+00	1.47E-04	7.81E-02	1.25E-02	1.58E+00
1956	495211.06	3859351.99	1.42E+00	1.26E-04	7.72E-02	1.23E-02	1.50E+00	1.48E+00	1.29E+00	7.04E+00	4.19E-01	1.02E+01	1.47E+00	1.48E-04	7.72E-02	1.23E-02	1.56E+00
1957	495261.06	3859351.99	1.41E+00	1.27E-04	7.67E-02	1.22E-02	1.50E+00	1.47E+00	1.29E+00	6.99E+00	4.19E-01	1.02E+01	1.47E+00	1.48E-04	7.67E-02	1.22E-02	1.56E+00
1958	495311.06	3859351.99	1.38E+00	1.27E-04	7.59E-02	1.19E-02	1.47E+00	1.44E+00	1.30E+00	6.92E+00	4.07E-01	1.01E+01	1.44E+00	1.48E-04	7.59E-02	1.19E-02	1.52E+00
1959	495361.06	3859351.99	1.36E+00	1.27E-04	7.54E-02	1.17E-02	1.45E+00	1.42E+00	1.30E+00	6.88E+00	4.02E-01	1.00E+01	1.42E+00	1.49E-04	7.54E-02	1.17E-02	1.50E+00
1960	495411.06	3859351.99	1.35E+00	1.27E-04	7.50E-02	1.17E-02	1.44E+00	1.41E+00	1.30E+00	6.84E+00	3.99E-01	9.95E+00	1.40E+00	1.49E-04	7.50E-02	1.17E-02	1.49E+00
1961	495461.06	3859351.99	1.34E+00	1.28E-04	7.47E-02	1.17E-02	1.43E+00	1.40E+00	1.30E+00	6.81E+00	4.00E-01	9.92E+00	1.40E+00	1.49E-04	7.47E-02	1.17E-02	1.49E+00
1962	495511.06	3859351.99	1.30E+00	1.28E-04	7.37E-02	1.12E-02	1.39E+00	1.36E+00	1.31E+00	6.72E+00	3.83E-01	9.77E+00	1.36E+00	1.50E-04	7.37E-02	1.12E-02	1.44E+00
1963	495561.06	3859351.99	1.28E+00	1.28E-04	7.28E-02	1.08E-02	1.36E+00	1.33E+00	1.31E+00	6.64E+00	3.70E-01	9.65E+00	1.33E+00	1.50E-04	7.28E-02	1.08E-02	1.41E+00
1964	495611.06	3859351.99	1.26E+00	1.28E-04	7.21E-02	1.06E-02	1.34E+00	1.31E+00	1.31E+00	6.58E+00	3.62E-01	9.56E+00	1.31E+00	1.50E-04	7.21E-02	1.06E-02	1.39E+00
1965	495661.06	3859351.99	1.23E+00	1.28E-04	7.08E-02	1.01E-02	1.31E+00	1.28E+00	1.31E+00	6.46E+00	3.44E-01	9.40E+00	1.28E+00	1.50E-04	7.08E-02	1.01E-02	1.36E+00
1966	494311.06	3859401.99	1.93E+00	2.00E-04	7.48E-02	1.44E-02	2.02E+00	2.02E+00	2.05E+00	6.83E+00	4.94E-01	1.14E+01	2.01E+00	2.34E-04	7.48E-02	1.44E-02	2.10E+00
1967	494361.06	3859401.99	1.91E+00	1.72E-04	7.75E-02	1.48E-02	2.00E+00	1.99E+00	1.75E+00	7.06E+00	5.07E-01	1.13E+01	1.99E+00	2.01E-04	7.75E-02	1.48E-02	2.08E+00
1968	494411.06	3859401.99	1.88E+00	1.65E-04	8.00E-02	1.51E-02	1.98E+00	1.96E+00	1.69E+00	7.29E+00	5.17E-01	1.15E+01	1.96E+00	1.93E-04	8.00E-02	1.51E-02	2.05E+00
1969	494461.06	3859401.99	1.86E+00	1.61E-04	8.13E-02	1.53E-02	1.95E+00	1.94E+00	1.65E+00	7.42E+00	5.24E-01	1.15E+01	1.93E+00	1.89E-04	8.13E-02	1.53E-02	2.03E+00
1970	494511.06	3859401.99	1.85E+00	1.59E-04	8.17E-02	1.54E-02	1.94E+00	1.93E+00	1.63E+00	7.45E+00	5.27E-01	1.15E+01	1.92E+00	1.86E-04	8.17E-02	1.54E-02	2.02E+00
1971	494561.06	3859401.99	1.83E+00	1.57E-04	8.23E-02	1.55E-02	1.93E+00	1.91E+00	1.60E+00	7.50E+00	5.30E-01	1.15E+01	1.91E+00	1.83E-04	8.23E-02	1.55E-02	2.00E+00
1972	494611.06	3859401.99	1.81E+00	1.52E-04	8.31E-02	1.56E-02	1.90E+00	1.88E+00	1.56E+00	7.58E+00	5.32E-01	1.16E+01	1.88E+00	1.78E-04	8.31E-02	1.56E-02	1.98E+00
1973	494661.06	3859401.99	1.79E+00	1.50E-04	8.33E-02	1.56E-02	1.89E+00	1.87E+00	1.54E+00	7.60E+00	5.33E-01	1.15E+01	1.86E+00	1.76E-04	8.33E-02	1.56E-02	1.96E+00
1974	494711.06	3859401.99	1.77E+00	1.47E-04	8.40E-02	1.56E-02	1.87E+00	1.84E+00	1.50E+00	7.66E+00	5.32E-01	1.15E+01	1.84E+00	1.72E-04	8.40E-02	1.56E-02	1.94E+00
1975	494761.06	3859401.99	1.72E+00	1.38E-04	8.58E-02	1.59E-02	1.82E+00	1.80E+00	1.41E+00	7.82E+00	5.42E-01	1.16E+01	1.79E+00	1.62E-04	8.58E-02	1.59E-02	1.90E+00
1976	494811.06	3859401.99	1.68E+00	1.34E-04	8.60E-02	1.51E-02	1.78E+00	1.75E+00	1.37E+00	7.84E+00	5.18E-01	1.15E+01	1.75E+00	1.57E-04	8.60E-02	1.51E-02	1.85E+00
1977	494861.06	3859401.99	1.63E+00	1.29E-04	8.63E-02	1.47E-02	1.73E+00	1.70E+00	1.31E+00	7.87E+00	5.02E-01	1.14E+01	1.69E+00	1.51E-04	8.63E-02	1.47E-02	1.80E+00
1978	494911.06	3859401.99	1.59E+00	1.26E-04	8.60E-02	1.46E-02	1.69E+00	1.66E+00	1.28E+00	7.84E+00	4.99E-01	1.13E+01	1.66E+00	1.47E-04	8.60E-02	1.46E-02	1.76E+00
1979	494961.06	3859401.99	1.58E+00	1.26E-04	8.50E-02	1.42E-02	1.68E+00	1.64E+00	1.28E+00	7.76E+00	4.85E-01	1.12E+01	1.64E+00	1.47E-04	8.50E-02	1.42E-02	1.74E+00
1980	495011.06	3859401.99	1.56E+00	1.25E-04	8.42E-02	1.41E-02	1.66E+00	1.63E+00	1.28E+00	7.68E+00	4.81E-01	1.11E+01	1.63E+00	1.47E-04	8.42E-02	1.41E-02	1.73E+00
1981	495061.06	3859401.99	1.56E+00	1.25E-04	8.37E-02	1.44E-02	1.66E+00	1.63E+00	1.28E+00	7.64E+00	4.92E-01	1.10E+01	1.63E+00	1.46E-04	8.37E-02	1.44E-02	1.72E+00
1982	495111.06	3859401.99	1.53E+00	1.24E-04	8.28E-02	1.40E-02	1.63E+00	1.60E+00	1.27E+00	7.55E+00	4.79E-01	1.09E+01	1.59E+00	1.45E-04	8.28E-02	1.40E-02	1.69E+00
1983	495161.06	3859401.99	1.52E+00	1.25E-04	8.14E-02	1.36E-02	1.61E+00	1.58E+00	1.28E+00	7.43E+00	4.66E-01	1.08E+01	1.58E+00	1.46E-04	8.14E-02	1.36E-02	1.68E+00
1984	495211.06	3859401.99	1.51E+00	1.26E-04	8.04E-02	1.36E-02	1.61E+00	1.58E+00	1.29E+00	7.34E+00	4.66E-01	1.07E+01	1.58E+00	1.47E-04	8.04E-02	1.36E-02	1.67E+00
1985	495261.06	3859401.99	1.50E+00	1.26E-04	7.94E-02	1.35E-02	1.59E+00	1.56E+00	1.29E+00	7.24E+00	4.60E-01	1.06E+01	1.56E+00	1.47E-04	7.94E-02	1.35E-02	1.65E+00
1986	495311.06	3859401.99	1.48E+00	1.26E-04	7.83E-02	1.33E-02	1.57E+00	1.54E+00	1.29E+00	7.14E+00	4.54E-01	1.04E+01	1.54E+00	1.47E-04	7.83E-02	1.33E-02	1.63E+00
1987	495361.06	3859401.99	1.47E+00	1.27E-04	7.73E-02	1.33E-02	1.56E+00	1.54E+00	1.29E+00	7.05E+00	4.55E-01	1.03E+01	1.53E+00	1.48E-04	7.73E-02	1.33E-02	1.63E+00
1988	495411.06	3859401.99	1.46E+00	1.27E-04	7.63E-02	1.32E-02	1.55E+00	1.52E+00	1.30E+00	6.96E+00	4.51E-01	1.02E+01	1.52E+00	1.49E-04	7.63E-02	1.32E-02	1.61E+00
1989	495461.06	3859401.99	1.43E+00	1.27E-04	7.52E-02	1.29E-02	1.52E+00	1.49E+00	1.30E+00	6.86E+00	4.42E-01	1.01E+01	1.49E+00	1.49E-04	7.52E-02	1.29E-02	1.58E+00
1990	495511.06	3859401.99	1.39E+00	1.27E-04	7.45E-02	1.25E-02	1.48E+00	1.45E+00	1.30E+00	6.79E+00	4.27E-01	9.97E+00	1.45E+00	1.48E-04	7.45E-02	1.25E-02	1.54E+00
1991	495561.06	3859401.99	1.35E+00	1.27E-04	7.38E-02	1.20E-02	1.44E+00	1.41E+00	1.29E+00	6.73E+00	4.09E-01	9.84E+00	1.41E+00	1.48E-04	7.38E-02	1.20E-02	1.49E+00
1992	495611.06	3859401.99	1.33E+00	1.27E-04	7.32E-02	1.17E-02	1.41E+00	1.38E+00	1.30E+00	6.67E+00	3.99E-01	9.75E+00	1.38E+00	1.48E-04	7.32E-02	1.17E-02	1.47E+00
1993	495661.06	3859401.99	1.30E+00	1.27E-04	7.26E-02	1.14E-02	1.39E+00	1.36E+00	1.30E+00	6.62E+00	3.91E-01	9.67E+00	1.36E+00	1.49E-04	7.26E-02	1.14E-02	1.44E+00
1994	494311.06	3859451.99	1.97E+00	2.04E-04	7.06E-02	1.38E-02	2.06E+00	2.06E+00	2.09E+00	6.44E+00	4.73E-01	1.11E+01	2.05E+00	2.39E-04	7.06E-02	1.38E-02	2.14E+00
1995	494361.06	3859451.99	1.94E+00	2.00E-04	7.26E-02	1.42E-02	2.03E+00	2.03E+00	2.05E+00	6.62E+00	4.87E-01	1.12E+01	2.03E+00	2.34E-04	7.26E-02	1.42E-02	2.11E+00
1996	494411.06	3859451.99	1.91E+00	1.70E-04	7.60E-02	1.47E-02	2.00E+00	1.99E+00	1.74E+00	6.93E+00	5.04E-01	1.12E+01	1.98E+00	1.99E-04	7.60E-02	1.47E-02	2.08E+00
1997	494461.06	3859451.99	1.89E+00	1.69E-04	7.64E-02	1.48E-02	1.98E+00	1.97E+00	1.73E+00	6.97E+00	5.07E-01	1.12E+01	1.96E+00	1.98E-04	7.64E-02	1.48E-02	2.06E+00
1998	494511.06	3859451.99	1.87E+00	1.66E-04	7.81E-02	1.50E-02	1.96E+00	1.95E+00	1.69E+00	7.12E+00	5.15E-01	1.13E+01	1.94E+00	1.94E-04	7.81E-02	1.50E-02	2.04E+00
1999	494561.06	3859451.99	1.85E+00	1.63E-04	7.91E-02	1.52E-02	1.94E+00	1.93E+00	1.67E+00	7.21E+00	5.20E-01	1.13E+01	1.92E+00	1.91E-04	7.91E-02	1.52E-02	2.02E+00
2000	494611.06	3859451.99	1.84E+00	1.63E-04	7.92E-02	1.53E-02	1.93E+00	1.92E+00	1.66E+00	7.22E+00	5.23E-01	1.13E+01	1.91E+00	1.90E-04	7.92E-02	1.53E-02	2.01E+00
2001	494661.06	3859451.99	1.82E+00	1.58E-04	8.07E-02	1.54E-02	1.91E+00	1.90E+00	1.62E+00	7.36E+00	5.28E-01	1.14E+01	1.89E+00	1.85E-04	8.07E-02	1.54E-02	1.99E+00
2002	494711.06	3859451.99	1.79E+00	1.54E-04	8.19E-02	1.55E-02	1.89E+00	1.87E+00	1.57E+00	7.47E+00	5.31E-01	1.14E+01	1.87E+00	1.80E-04	8.19E-02	1.55E-02	1.97E+00
2003	494761.06	3859451.99	1.77E+00	1.51E-04	8.25E-02	1.56E-02	1.87E+00	1.85E+00	1.54E+00	7.53E+00	5.32E-01	1.14E+01	1.85E+00	1.76E-04	8.25E-02	1.56E-02	1.94E+00
2004	494811.06	3859451.99	1.74E+00	1.44E-04	8.38E-02	1.55E-02	1.84E+00	1.81E+00	1.48E+00	7.64E+00	5.31E-01	1.15E+01	1.81E+00	1.69E-04	8.38E-02	1.55E-02	1.91E+00
2005	494861.06	3859451.99	1.71E+00	1.40E-04	8.45E-02	1.54E-02	1.81E+00	1.78E+00	1.43E+00	7.70E+00	5.26E-01	1.14E+01	1.78E+00	1.64E-04	8.45E-02	1.54E-02	1.88E+00
2006	494911.06	3859451.99	1.68E+00	1.37E-04	8.47E-02	1.53E-02	1.78E+00	1.76E+00	1.40E+00	7.72E+00	5.22E-01	1.14E+01	1.75E+00	1.60E-04	8.47E-02	1.53E-02	1.85E+00
2007	494961.06	3859451.99	1.67E+00	1.36E-04	8.44E-02	1.52E-02	1.77E+00	1.74E+00	1.39E+00	7.69E+00	5.19E-01	1.13E+01	1.74E+00	1.59E-04	8.44E-02	1.52E-02	1.84E+00
2008	495011.06	3859451.99	1.65E+00	1.34E-04	8.41E-02	1.51E-02	1.75E+00	1.73E+00	1.37E+00	7.67E+00	5.15E-01	1.13E+01	1.72E+00	1.57E-04	8.41E-02	1.51E-02	1.82E+00
2009	495061.06	3859451.99	1.63E+00	1.33E-04	8.37E-02	1.49E-02	1.73E+00	1.71E+00	1.35E+00	7.64E+00	5.10E-01	1.12E+01	1.70E+00	1.55E-04	8.37E-02	1.49E-02	1.80E+00

2010	495111.06	3859451.99	1.61E+00	1.31E-04	8.33E-02	1.47E-02	1.71E+00	1.68E+00	1.34E+00	7.60E+00	5.04E-01	1.11E+01	1.68E+00	1.53E-04	8.33E-02	1.47E-02	1.78E+00
2011	495161.06	3859451.99	1.61E+00	1.31E-04	8.26E-02	1.47E-02	1.70E+00	1.68E+00	1.34E+00	7.53E+00	5.02E-01	1.10E+01	1.67E+00	1.53E-04	8.26E-02	1.47E-02	1.77E+00
2012	495211.06	3859451.99	1.60E+00	1.32E-04	8.17E-02	1.47E-02	1.70E+00	1.67E+00	1.35E+00	7.45E+00	5.01E-01	1.10E+01	1.67E+00	1.54E-04	8.17E-02	1.47E-02	1.76E+00
2013	495261.06	3859451.99	1.59E+00	1.32E-04	8.08E-02	1.46E-02	1.69E+00	1.66E+00	1.35E+00	7.37E+00	5.00E-01	1.09E+01	1.66E+00	1.54E-04	8.08E-02	1.46E-02	1.75E+00
2014	495311.06	3859451.99	1.57E+00	1.31E-04	8.01E-02	1.45E-02	1.67E+00	1.64E+00	1.34E+00	7.31E+00	4.94E-01	1.08E+01	1.64E+00	1.54E-04	8.01E-02	1.45E-02	1.73E+00
2015	495361.06	3859451.99	1.56E+00	1.31E-04	7.93E-02	1.43E-02	1.65E+00	1.63E+00	1.34E+00	7.23E+00	4.90E-01	1.07E+01	1.62E+00	1.54E-04	7.93E-02	1.43E-02	1.72E+00
2016	495411.06	3859451.99	1.54E+00	1.31E-04	7.85E-02	1.42E-02	1.63E+00	1.60E+00	1.34E+00	7.16E+00	4.84E-01	1.06E+01	1.60E+00	1.53E-04	7.85E-02	1.42E-02	1.69E+00
2017	495461.06	3859451.99	1.52E+00	1.31E-04	7.76E-02	1.40E-02	1.61E+00	1.58E+00	1.33E+00	7.07E+00	4.79E-01	1.05E+01	1.58E+00	1.53E-04	7.76E-02	1.40E-02	1.67E+00
2018	495511.06	3859451.99	1.48E+00	1.28E-04	7.68E-02	1.36E-02	1.57E+00	1.54E+00	1.31E+00	7.00E+00	4.65E-01	1.03E+01	1.54E+00	1.50E-04	7.68E-02	1.36E-02	1.63E+00
2019	495561.06	3859451.99	1.45E+00	1.28E-04	7.58E-02	1.33E-02	1.54E+00	1.51E+00	1.30E+00	6.91E+00	4.56E-01	1.02E+01	1.51E+00	1.49E-04	7.58E-02	1.33E-02	1.60E+00
2020	495611.06	3859451.99	1.42E+00	1.27E-04	7.47E-02	1.31E-02	1.51E+00	1.48E+00	1.30E+00	6.81E+00	4.46E-01	1.00E+01	1.48E+00	1.49E-04	7.47E-02	1.31E-02	1.57E+00
2021	495661.06	3859451.99	1.40E+00	1.27E-04	7.36E-02	1.28E-02	1.48E+00	1.46E+00	1.30E+00	6.71E+00	4.38E-01	9.91E+00	1.46E+00	1.48E-04	7.36E-02	1.28E-02	1.54E+00
2022	494311.06	3859501.99	2.00E+00	2.16E-04	6.70E-02	1.29E-02	2.08E+00	2.09E+00	2.21E+00	6.11E+00	4.41E-01	1.09E+01	2.08E+00	2.53E-04	6.70E-02	1.29E-02	2.16E+00
2023	494361.06	3859501.99	1.98E+00	2.08E-04	6.98E-02	1.34E-02	2.06E+00	2.06E+00	2.13E+00	6.37E+00	4.58E-01	1.10E+01	2.06E+00	2.44E-04	6.98E-02	1.34E-02	2.14E+00
2024	494411.06	3859501.99	1.94E+00	1.96E-04	7.73E-02	1.42E-02	2.03E+00	2.03E+00	2.01E+00	7.05E+00	4.85E-01	1.16E+01	2.02E+00	2.30E-04	7.73E-02	1.42E-02	2.11E+00
2025	494461.06	3859501.99	1.93E+00	1.99E-04	7.38E-02	1.41E-02	2.02E+00	2.01E+00	2.03E+00	6.73E+00	4.83E-01	1.13E+01	2.01E+00	2.33E-04	7.38E-02	1.41E-02	2.10E+00
2026	494511.06	3859501.99	1.90E+00	1.73E-04	7.57E-02	1.44E-02	1.99E+00	1.99E+00	1.76E+00	6.90E+00	4.93E-01	1.11E+01	1.98E+00	2.02E-04	7.57E-02	1.44E-02	2.07E+00
2027	494561.06	3859501.99	1.87E+00	1.69E-04	7.66E-02	1.47E-02	1.97E+00	1.96E+00	1.73E+00	6.99E+00	5.03E-01	1.12E+01	1.95E+00	1.98E-04	7.66E-02	1.47E-02	2.04E+00
2028	494611.06	3859501.99	1.87E+00	1.73E-04	7.32E-02	1.46E-02	1.96E+00	1.95E+00	1.76E+00	6.68E+00	5.01E-01	1.09E+01	1.94E+00	2.02E-04	7.32E-02	1.46E-02	2.03E+00
2029	494661.06	3859501.99	1.84E+00	1.67E-04	7.54E-02	1.50E-02	1.93E+00	1.92E+00	1.71E+00	6.88E+00	5.12E-01	1.10E+01	1.92E+00	1.96E-04	7.54E-02	1.50E-02	2.01E+00
2030	494711.06	3859501.99	1.81E+00	1.60E-04	7.87E-02	1.53E-02	1.90E+00	1.89E+00	1.64E+00	7.17E+00	5.23E-01	1.12E+01	1.88E+00	1.87E-04	7.87E-02	1.53E-02	1.98E+00
2031	494761.06	3859501.99	1.81E+00	1.61E-04	7.80E-02	1.53E-02	1.90E+00	1.89E+00	1.64E+00	7.11E+00	5.24E-01	1.12E+01	1.88E+00	1.88E-04	7.80E-02	1.53E-02	1.98E+00
2032	494811.06	3859501.99	1.77E+00	1.51E-04	8.18E-02	1.55E-02	1.86E+00	1.84E+00	1.55E+00	7.46E+00	5.30E-01	1.14E+01	1.84E+00	1.77E-04	8.18E-02	1.55E-02	1.94E+00
2033	494861.06	3859501.99	1.75E+00	1.49E-04	8.21E-02	1.55E-02	1.85E+00	1.83E+00	1.52E+00	7.49E+00	5.31E-01	1.14E+01	1.82E+00	1.74E-04	8.21E-02	1.55E-02	1.92E+00
2034	494911.06	3859501.99	1.74E+00	1.48E-04	8.17E-02	1.55E-02	1.84E+00	1.82E+00	1.52E+00	7.45E+00	5.32E-01	1.13E+01	1.81E+00	1.74E-04	8.17E-02	1.55E-02	1.91E+00
2035	494961.06	3859501.99	1.72E+00	1.45E-04	8.23E-02	1.55E-02	1.81E+00	1.79E+00	1.48E+00	7.50E+00	5.30E-01	1.13E+01	1.79E+00	1.69E-04	8.23E-02	1.55E-02	1.89E+00
2036	495011.06	3859501.99	1.71E+00	1.44E-04	8.19E-02	1.55E-02	1.81E+00	1.78E+00	1.48E+00	7.47E+00	5.29E-01	1.13E+01	1.78E+00	1.69E-04	8.19E-02	1.55E-02	1.88E+00
2037	495061.06	3859501.99	1.70E+00	1.44E-04	8.15E-02	1.55E-02	1.80E+00	1.78E+00	1.47E+00	7.43E+00	5.29E-01	1.12E+01	1.77E+00	1.69E-04	8.15E-02	1.55E-02	1.87E+00
2038	495111.06	3859501.99	1.68E+00	1.41E-04	8.18E-02	1.53E-02	1.77E+00	1.75E+00	1.44E+00	7.46E+00	5.24E-01	1.12E+01	1.75E+00	1.65E-04	8.18E-02	1.53E-02	1.84E+00
2039	495161.06	3859501.99	1.67E+00	1.41E-04	8.14E-02	1.53E-02	1.77E+00	1.74E+00	1.44E+00	7.42E+00	5.23E-01	1.11E+01	1.74E+00	1.64E-04	8.14E-02	1.53E-02	1.83E+00
2040	495211.06	3859501.99	1.67E+00	1.42E-04	8.07E-02	1.53E-02	1.76E+00	1.74E+00	1.45E+00	7.36E+00	5.23E-01	1.11E+01	1.73E+00	1.66E-04	8.07E-02	1.53E-02	1.83E+00
2041	495261.06	3859501.99	1.65E+00	1.41E-04	8.02E-02	1.52E-02	1.75E+00	1.73E+00	1.44E+00	7.31E+00	5.20E-01	1.10E+01	1.72E+00	1.65E-04	8.02E-02	1.52E-02	1.82E+00
2042	495311.06	3859501.99	1.65E+00	1.41E-04	7.96E-02	1.52E-02	1.74E+00	1.72E+00	1.44E+00	7.26E+00	5.19E-01	1.09E+01	1.71E+00	1.65E-04	7.96E-02	1.52E-02	1.81E+00
2043	495361.06	3859501.99	1.63E+00	1.40E-04	7.91E-02	1.51E-02	1.72E+00	1.70E+00	1.44E+00	7.21E+00	5.16E-01	1.09E+01	1.70E+00	1.64E-04	7.91E-02	1.51E-02	1.79E+00
2044	495411.06	3859501.99	1.61E+00	1.56E-04	7.86E-02	1.50E-02	1.71E+00	1.68E+00	1.60E+00	7.17E+00	5.12E-01	1.10E+01	1.68E+00	1.83E-04	7.86E-02	1.50E-02	1.78E+00
2045	495461.06	3859501.99	1.59E+00	1.38E-04	7.81E-02	1.48E-02	1.69E+00	1.66E+00	1.41E+00	7.12E+00	5.08E-01	1.07E+01	1.66E+00	1.62E-04	7.81E-02	1.48E-02	1.75E+00
2046	495511.06	3859501.99	1.55E+00	1.32E-04	7.83E-02	1.48E-02	1.65E+00	1.62E+00	1.35E+00	7.14E+00	5.05E-01	1.06E+01	1.62E+00	1.54E-04	7.83E-02	1.48E-02	1.71E+00
2047	495561.06	3859501.99	1.54E+00	1.33E-04	7.73E-02	1.44E-02	1.63E+00	1.61E+00	1.36E+00	7.05E+00	4.93E-01	1.05E+01	1.60E+00	1.56E-04	7.73E-02	1.44E-02	1.69E+00
2048	495611.06	3859501.99	1.51E+00	1.32E-04	7.67E-02	1.42E-02	1.60E+00	1.58E+00	1.35E+00	6.99E+00	4.85E-01	1.04E+01	1.58E+00	1.54E-04	7.67E-02	1.42E-02	1.67E+00
2049	495661.06	3859501.99	1.48E+00	1.31E-04	7.60E-02	1.39E-02	1.57E+00	1.55E+00	1.33E+00	6.93E+00	4.75E-01	1.03E+01	1.54E+00	1.53E-04	7.60E-02	1.39E-02	1.63E+00
2050	494311.06	3859551.99	2.01E+00	2.31E-04	6.50E-02	1.20E-02	2.09E+00	2.10E+00	2.36E+00	5.93E+00	4.10E-01	1.08E+01	2.10E+00	2.70E-04	6.50E-02	1.20E-02	2.18E+00
2051	494361.06	3859551.99	2.00E+00	2.17E-04	6.81E-02	1.26E-02	2.08E+00	2.09E+00	2.22E+00	6.21E+00	4.31E-01	1.09E+01	2.08E+00	2.54E-04	6.81E-02	1.26E-02	2.16E+00
2052	494411.06	3859551.99	1.97E+00	2.00E-04	7.70E-02	1.35E-02	2.06E+00	2.06E+00	2.04E+00	7.02E+00	4.63E-01	1.16E+01	2.05E+00	2.34E-04	7.70E-02	1.35E-02	2.14E+00
2053	494461.06	3859551.99	1.96E+00	2.09E-04	7.22E-02	1.33E-02	2.05E+00	2.04E+00	2.13E+00	6.59E+00	4.54E-01	1.12E+01	2.04E+00	2.44E-04	7.22E-02	1.33E-02	2.13E+00
2054	494511.06	3859551.99	1.94E+00	2.02E-04	7.46E-02	1.37E-02	2.03E+00	2.02E+00	2.06E+00	6.81E+00	4.68E-01	1.14E+01	2.02E+00	2.36E-04	7.46E-02	1.37E-02	2.11E+00
2055	494561.06	3859551.99	1.92E+00	1.99E-04	7.53E-02	1.40E-02	2.01E+00	2.00E+00	2.03E+00	6.87E+00	4.77E-01	1.14E+01	2.00E+00	2.32E-04	7.53E-02	1.40E-02	2.09E+00
2056	494611.06	3859551.99	1.90E+00	1.99E-04	7.41E-02	1.41E-02	1.99E+00	1.98E+00	2.03E+00	6.76E+00	4.81E-01	1.12E+01	1.98E+00	2.32E-04	7.41E-02	1.41E-02	2.07E+00
2057	494661.06	3859551.99	1.88E+00	1.97E-04	7.40E-02	1.43E-02	1.97E+00	1.96E+00	2.01E+00	6.75E+00	4.89E-01	1.12E+01	1.96E+00	2.31E-04	7.40E-02	1.43E-02	2.04E+00
2058	494711.06	3859551.99	1.83E+00	1.63E-04	8.10E-02	1.49E-02	1.92E+00	1.91E+00	1.66E+00	7.39E+00	5.11E-01	1.15E+01	1.90E+00	1.90E-04	8.10E-02	1.49E-02	2.00E+00
2059	494761.06	3859551.99	1.83E+00	1.69E-04	7.58E-02	1.48E-02	1.92E+00	1.91E+00	1.72E+00	6.91E+00	5.07E-01	1.11E+01	1.91E+00	1.97E-04	7.58E-02	1.48E-02	2.00E+00
2060	494811.06	3859551.99	1.80E+00	1.61E-04	7.93E-02	1.52E-02	1.89E+00	1.88E+00	1.64E+00	7.24E+00	5.19E-01	1.13E+01	1.87E+00	1.88E-04	7.93E-02	1.52E-02	1.97E+00
2061	494861.06	3859551.99	1.78E+00	1.59E-04	7.89E-02	1.53E-02	1.88E+00	1.86E+00	1.62E+00	7.20E+00	5.23E-01	1.12E+01	1.86E+00	1.86E-04	7.89E-02	1.53E-02	1.95E+00
2062	494911.06	3859551.99	1.77E+00	1.56E-04	7.95E-02	1.54E-02	1.86E+00	1.84E+00	1.59E+00	7.25E+00	5.27E-01	1.12E+01	1.84E+00	1.82E-04	7.95E-02	1.54E-02	1.94E+00
2063	494961.06	3859551.99	1.76E+00	1.56E-04	7.87E-02	1.55E-02	1.86E+00	1.84E+00	1.59E+00	7.18E+00	5.29E-01	1.11E+01	1.83E+00	1.82E-04	7.87E-02	1.55E-02	1.93E+00
2064	495011.06	3859551.99	1.76E+00	1.56E-04	7.81E-02	1.55E-02	1.85E+00	1.83E+00	1.59E+00	7.12E+00	5.30E-01	1.11E+01	1.83E+00	1.83E-04	7.81E-02	1.55E-02	1.92E+00
2065	495061.06	3859551.99	1.74E+00	1.54E-04	7.83E-02	1.55E-02	1.84E+00	1.82E+00	1.58E+00	7.14E+00	5.31E-01	1.11E+01	1.81E+00	1.81E-04	7.83E-02	1.55E-02	1.91E+00
2066	495111.06	3859551.99	1.72E+00	1.51E-04	7.89E-02	1.56E-02	1.82E+00	1.80E+00	1.55E+00	7.20E+00	5.32E-01	1.11E+01	1.80E+00	1.77E-04	7.89E-02	1.56E-02	1.89E+00
2067	495161.06	3859551.99	1.72E+00	1.52E-04	7.85E-02	1.56E-02	1.82E+00	1.80E+00	1.55E+00	7.16E+00	5.32E-01	1.10E+01	1.79E+00	1.78E-04	7.85E-02	1.56E-02	1.89E+00
2068	495211.06	3859551.99	1.72E+00	1.53E-04	7.78E-02	1.55E-02	1.81E+00	1.80E+00	1.56E+00	7.10E+00	5.32E-01	1.10E+01	1.79E+00	1.79E-04	7.78E-02	1.55E-02	1.89E+00
2069	495261.06	3859551.99	1.71E+00	1.51E-04	7.80E-02	1.55E-02	1.80E+00	1.78E+00	1.54E+00	7.11E+00	5.31E-01	1.10E+01	1.78E+00	1.77E-04	7.80E-02	1.55E-02	1.87E+00
2070	495311.06	3859551.99	1.69E+00	1.50E-04	7.77E-02	1.55E-02	1.79E+00	1.77E+00	1.53E+00	7.09E+00	5.30E-01	1.09E+01	1.76E+00	1.75E-04	7.77E-02	1.55E-02	1.86E+00

2071	495361.06	3859551.99	1.68E+00	1.50E-04	7.72E-02	1.55E-02	1.78E+00	1.76E+00	1.53E+00	7.04E+00	5.28E-01	1.09E+01	1.75E+00	1.75E-04	7.72E-02	1.55E-02	1.85E+00
2072	495411.06	3859551.99	1.68E+00	1.50E-04	7.66E-02	1.54E-02	1.77E+00	1.75E+00	1.53E+00	6.99E+00	5.27E-01	1.08E+01	1.74E+00	1.75E-04	7.66E-02	1.54E-02	1.84E+00
2073	495461.06	3859551.99	1.65E+00	1.46E-04	7.71E-02	1.53E-02	1.74E+00	1.72E+00	1.50E+00	7.03E+00	5.24E-01	1.08E+01	1.72E+00	1.71E-04	7.71E-02	1.53E-02	1.81E+00
2074	495511.06	3859551.99	1.62E+00	1.43E-04	7.74E-02	1.52E-02	1.71E+00	1.69E+00	1.46E+00	7.06E+00	5.18E-01	1.07E+01	1.69E+00	1.67E-04	7.74E-02	1.52E-02	1.78E+00
2075	495561.06	3859551.99	1.60E+00	1.42E-04	7.71E-02	1.51E-02	1.70E+00	1.67E+00	1.45E+00	7.04E+00	5.15E-01	1.07E+01	1.67E+00	1.66E-04	7.71E-02	1.51E-02	1.76E+00
2076	495611.06	3859551.99	1.58E+00	1.40E-04	7.68E-02	1.49E-02	1.68E+00	1.65E+00	1.43E+00	7.00E+00	5.10E-01	1.06E+01	1.65E+00	1.64E-04	7.68E-02	1.49E-02	1.74E+00
2077	495661.06	3859551.99	1.56E+00	1.38E-04	7.66E-02	1.47E-02	1.65E+00	1.63E+00	1.41E+00	6.98E+00	5.04E-01	1.05E+01	1.62E+00	1.61E-04	7.66E-02	1.47E-02	1.71E+00
2078	494311.06	3859601.99	2.01E+00	2.49E-04	6.17E-02	1.11E-02	2.09E+00	2.10E+00	2.54E+00	5.62E+00	3.80E-01	1.06E+01	2.10E+00	2.91E-04	6.17E-02	1.11E-02	2.17E+00
2079	494361.06	3859601.99	2.00E+00	2.25E-04	6.97E-02	1.21E-02	2.08E+00	2.09E+00	2.30E+00	6.36E+00	4.13E-01	1.12E+01	2.08E+00	2.63E-04	6.97E-02	1.21E-02	2.16E+00
2080	494411.06	3859601.99	1.99E+00	2.17E-04	7.35E-02	1.26E-02	2.07E+00	2.07E+00	2.22E+00	6.71E+00	4.30E-01	1.14E+01	2.07E+00	2.54E-04	7.35E-02	1.26E-02	2.16E+00
2081	494461.06	3859601.99	1.98E+00	2.24E-04	6.91E-02	1.23E-02	2.06E+00	2.07E+00	2.29E+00	6.30E+00	4.21E-01	1.11E+01	2.06E+00	2.62E-04	6.91E-02	1.23E-02	2.14E+00
2082	494511.06	3859601.99	1.96E+00	2.12E-04	7.43E-02	1.30E-02	2.05E+00	2.04E+00	2.16E+00	6.77E+00	4.44E-01	1.14E+01	2.04E+00	2.48E-04	7.43E-02	1.30E-02	2.13E+00
2083	494561.06	3859601.99	1.95E+00	2.15E-04	7.10E-02	1.29E-02	2.03E+00	2.03E+00	2.20E+00	6.47E+00	4.42E-01	1.11E+01	2.03E+00	2.52E-04	7.10E-02	1.29E-02	2.11E+00
2084	494611.06	3859601.99	1.93E+00	2.16E-04	6.96E-02	1.30E-02	2.01E+00	2.02E+00	2.20E+00	6.34E+00	4.45E-01	1.10E+01	2.01E+00	2.52E-04	6.96E-02	1.30E-02	2.09E+00
2085	494661.06	3859601.99	1.91E+00	2.00E-04	7.48E-02	1.38E-02	2.00E+00	1.99E+00	2.05E+00	6.82E+00	4.71E-01	1.13E+01	1.99E+00	2.35E-04	7.48E-02	1.38E-02	2.07E+00
2086	494711.06	3859601.99	1.88E+00	1.70E-04	7.97E-02	1.43E-02	1.97E+00	1.96E+00	1.74E+00	7.27E+00	4.89E-01	1.15E+01	1.95E+00	1.99E-04	7.97E-02	1.43E-02	2.05E+00
2087	494761.06	3859601.99	1.87E+00	2.04E-04	7.21E-02	1.39E-02	1.96E+00	1.96E+00	2.08E+00	6.58E+00	4.76E-01	1.11E+01	1.95E+00	2.38E-04	7.21E-02	1.39E-02	2.04E+00
2088	494811.06	3859601.99	1.84E+00	1.70E-04	7.71E-02	1.45E-02	1.93E+00	1.92E+00	1.74E+00	7.03E+00	4.97E-01	1.12E+01	1.92E+00	1.99E-04	7.71E-02	1.45E-02	2.01E+00
2089	494861.06	3859601.99	1.82E+00	1.69E-04	7.67E-02	1.47E-02	1.91E+00	1.90E+00	1.73E+00	7.00E+00	5.03E-01	1.11E+01	1.89E+00	1.98E-04	7.67E-02	1.47E-02	1.98E+00
2090	494911.06	3859601.99	1.79E+00	1.64E-04	7.89E-02	1.50E-02	1.89E+00	1.87E+00	1.67E+00	7.20E+00	5.13E-01	1.13E+01	1.87E+00	1.91E-04	7.89E-02	1.50E-02	1.96E+00
2091	494961.06	3859601.99	1.79E+00	1.68E-04	7.49E-02	1.49E-02	1.88E+00	1.87E+00	1.71E+00	6.83E+00	5.11E-01	1.09E+01	1.87E+00	1.96E-04	7.49E-02	1.49E-02	1.96E+00
2092	495011.06	3859601.99	1.77E+00	1.62E-04	7.72E-02	1.52E-02	1.86E+00	1.85E+00	1.65E+00	7.04E+00	5.21E-01	1.11E+01	1.84E+00	1.89E-04	7.72E-02	1.52E-02	1.94E+00
2093	495061.06	3859601.99	1.77E+00	1.64E-04	7.46E-02	1.52E-02	1.86E+00	1.85E+00	1.67E+00	6.80E+00	5.21E-01	1.08E+01	1.85E+00	1.92E-04	7.46E-02	1.52E-02	1.94E+00
2094	495111.06	3859601.99	1.76E+00	1.60E-04	7.53E-02	1.54E-02	1.85E+00	1.83E+00	1.64E+00	6.87E+00	5.26E-01	1.09E+01	1.83E+00	1.88E-04	7.53E-02	1.54E-02	1.92E+00
2095	495161.06	3859601.99	1.75E+00	1.61E-04	7.43E-02	1.54E-02	1.84E+00	1.83E+00	1.65E+00	6.78E+00	5.27E-01	1.08E+01	1.83E+00	1.89E-04	7.43E-02	1.54E-02	1.92E+00
2096	495211.06	3859601.99	1.74E+00	1.61E-04	7.43E-02	1.54E-02	1.83E+00	1.82E+00	1.64E+00	6.77E+00	5.28E-01	1.08E+01	1.82E+00	1.88E-04	7.43E-02	1.54E-02	1.91E+00
2097	495261.06	3859601.99	1.74E+00	1.61E-04	7.43E-02	1.55E-02	1.83E+00	1.82E+00	1.64E+00	6.77E+00	5.29E-01	1.08E+01	1.81E+00	1.88E-04	7.43E-02	1.55E-02	1.90E+00
2098	495311.06	3859601.99	1.74E+00	1.61E-04	7.41E-02	1.55E-02	1.83E+00	1.81E+00	1.65E+00	6.75E+00	5.29E-01	1.07E+01	1.81E+00	1.88E-04	7.41E-02	1.55E-02	1.90E+00
2099	495361.06	3859601.99	1.73E+00	1.60E-04	7.43E-02	1.55E-02	1.82E+00	1.80E+00	1.63E+00	6.78E+00	5.30E-01	1.07E+01	1.80E+00	1.87E-04	7.43E-02	1.55E-02	1.89E+00
2100	495411.06	3859601.99	1.72E+00	1.60E-04	7.40E-02	1.55E-02	1.81E+00	1.79E+00	1.63E+00	6.75E+00	5.29E-01	1.07E+01	1.79E+00	1.87E-04	7.40E-02	1.55E-02	1.88E+00
2101	495461.06	3859601.99	1.70E+00	1.55E-04	7.52E-02	1.55E-02	1.79E+00	1.77E+00	1.58E+00	6.85E+00	5.31E-01	1.07E+01	1.77E+00	1.81E-04	7.52E-02	1.55E-02	1.86E+00
2102	495511.06	3859601.99	1.67E+00	1.51E-04	7.58E-02	1.55E-02	1.76E+00	1.74E+00	1.54E+00	6.92E+00	5.30E-01	1.07E+01	1.74E+00	1.77E-04	7.58E-02	1.55E-02	1.83E+00
2103	495561.06	3859601.99	1.66E+00	1.52E-04	7.50E-02	1.55E-02	1.76E+00	1.74E+00	1.55E+00	6.84E+00	5.29E-01	1.07E+01	1.73E+00	1.78E-04	7.50E-02	1.55E-02	1.82E+00
2104	495611.06	3859601.99	1.63E+00	1.47E-04	7.57E-02	1.53E-02	1.72E+00	1.70E+00	1.50E+00	6.90E+00	5.25E-01	1.06E+01	1.70E+00	1.72E-04	7.57E-02	1.53E-02	1.79E+00
2105	495661.06	3859601.99	1.62E+00	1.47E-04	7.52E-02	1.53E-02	1.71E+00	1.69E+00	1.50E+00	6.86E+00	5.23E-01	1.06E+01	1.69E+00	1.72E-04	7.52E-02	1.53E-02	1.78E+00
2106	494311.06	3859651.99	2.02E+00	2.58E-04	6.08E-02	1.06E-02	2.09E+00	2.11E+00	2.64E+00	5.54E+00	3.63E-01	1.06E+01	2.10E+00	3.02E-04	6.08E-02	1.06E-02	2.17E+00
2107	494361.06	3859651.99	2.01E+00	2.38E-04	6.85E-02	1.15E-02	2.09E+00	2.10E+00	2.43E+00	6.24E+00	3.94E-01	1.12E+01	2.09E+00	2.78E-04	6.85E-02	1.15E-02	2.17E+00
2108	494411.06	3859651.99	2.00E+00	2.34E-04	6.93E-02	1.17E-02	2.08E+00	2.08E+00	2.39E+00	6.32E+00	4.00E-01	1.12E+01	2.08E+00	2.74E-04	6.93E-02	1.17E-02	2.16E+00
2109	494461.06	3859651.99	1.98E+00	2.40E-04	6.57E-02	1.14E-02	2.06E+00	2.07E+00	2.46E+00	5.99E+00	3.91E-01	1.09E+01	2.06E+00	2.81E-04	6.57E-02	1.14E-02	2.14E+00
2110	494511.06	3859651.99	1.97E+00	2.35E-04	6.69E-02	1.17E-02	2.05E+00	2.05E+00	2.40E+00	6.11E+00	3.99E-01	1.10E+01	2.05E+00	2.75E-04	6.69E-02	1.17E-02	2.13E+00
2111	494561.06	3859651.99	1.96E+00	2.34E-04	6.64E-02	1.18E-02	2.04E+00	2.05E+00	2.39E+00	6.05E+00	4.03E-01	1.09E+01	2.04E+00	2.74E-04	6.64E-02	1.18E-02	2.12E+00
2112	494611.06	3859651.99	1.95E+00	2.32E-04	6.61E-02	1.20E-02	2.03E+00	2.03E+00	2.37E+00	6.03E+00	4.09E-01	1.08E+01	2.03E+00	2.72E-04	6.61E-02	1.20E-02	2.11E+00
2113	494661.06	3859651.99	1.93E+00	2.13E-04	7.23E-02	1.30E-02	2.01E+00	2.01E+00	2.18E+00	6.59E+00	4.44E-01	1.12E+01	2.01E+00	2.49E-04	7.23E-02	1.30E-02	2.09E+00
2114	494711.06	3859651.99	1.91E+00	2.12E-04	7.17E-02	1.31E-02	2.00E+00	2.00E+00	2.17E+00	6.54E+00	4.49E-01	1.12E+01	1.99E+00	2.48E-04	7.17E-02	1.31E-02	2.08E+00
2115	494761.06	3859651.99	1.90E+00	2.16E-04	7.09E-02	1.32E-02	1.99E+00	1.98E+00	2.20E+00	6.46E+00	4.51E-01	1.11E+01	1.98E+00	2.52E-04	7.09E-02	1.32E-02	2.06E+00
2116	494811.06	3859651.99	1.88E+00	2.09E-04	7.35E-02	1.37E-02	1.97E+00	1.96E+00	2.13E+00	6.70E+00	4.67E-01	1.13E+01	1.96E+00	2.44E-04	7.35E-02	1.37E-02	2.05E+00
2117	494861.06	3859651.99	1.86E+00	2.08E-04	7.27E-02	1.38E-02	1.95E+00	1.94E+00	2.12E+00	6.63E+00	4.72E-01	1.12E+01	1.94E+00	2.43E-04	7.27E-02	1.38E-02	2.03E+00
2118	494911.06	3859651.99	1.84E+00	2.04E-04	7.35E-02	1.41E-02	1.93E+00	1.92E+00	2.08E+00	6.70E+00	4.82E-01	1.12E+01	1.92E+00	2.39E-04	7.35E-02	1.41E-02	2.01E+00
2119	494961.06	3859651.99	1.82E+00	2.03E-04	7.30E-02	1.42E-02	1.91E+00	1.90E+00	2.07E+00	6.65E+00	4.87E-01	1.11E+01	1.90E+00	2.37E-04	7.30E-02	1.42E-02	1.98E+00
2120	495011.06	3859651.99	1.80E+00	1.75E-04	7.31E-02	1.45E-02	1.89E+00	1.88E+00	1.79E+00	6.67E+00	4.94E-01	1.08E+01	1.88E+00	2.05E-04	7.31E-02	1.45E-02	1.96E+00
2121	495061.06	3859651.99	1.79E+00	1.76E-04	7.17E-02	1.45E-02	1.88E+00	1.87E+00	1.80E+00	6.54E+00	4.97E-01	1.07E+01	1.87E+00	2.06E-04	7.17E-02	1.45E-02	1.95E+00
2122	495111.06	3859651.99	1.78E+00	1.73E-04	7.22E-02	1.48E-02	1.86E+00	1.85E+00	1.76E+00	6.59E+00	5.05E-01	1.07E+01	1.85E+00	2.02E-04	7.22E-02	1.48E-02	1.94E+00
2123	495161.06	3859651.99	1.77E+00	1.72E-04	7.14E-02	1.49E-02	1.86E+00	1.85E+00	1.76E+00	6.51E+00	5.09E-01	1.06E+01	1.85E+00	2.01E-04	7.14E-02	1.49E-02	1.93E+00
2124	495211.06	3859651.99	1.77E+00	1.72E-04	6.99E-02	1.49E-02	1.86E+00	1.85E+00	1.76E+00	6.38E+00	5.11E-01	1.05E+01	1.84E+00	2.01E-04	6.99E-02	1.49E-02	1.93E+00
2125	495261.06	3859651.99	1.76E+00	1.71E-04	6.93E-02	1.50E-02	1.85E+00	1.84E+00	1.74E+00	6.32E+00	5.14E-01	1.04E+01	1.84E+00	2.00E-04	6.93E-02	1.50E-02	1.92E+00
2126	495311.06	3859651.99	1.76E+00	1.70E-04	6.91E-02	1.51E-02	1.84E+00	1.83E+00	1.74E+00	6.30E+00	5.17E-01	1.04E+01	1.83E+00	1.99E-04	6.91E-02	1.51E-02	1.91E+00
2127	495361.06	3859651.99	1.75E+00	1.70E-04	6.93E-02	1.51E-02	1.83E+00	1.82E+00	1.74E+00	6.32E+00	5.18E-01	1.04E+01	1.82E+00	1.99E-04	6.93E-02	1.51E-02	1.91E+00
2128	495411.06	3859651.99	1.74E+00	1.69E-04	6.99E-02	1.52E-02	1.83E+00	1.82E+00	1.73E+00	6.37E+00	5.21E-01	1.04E+01	1.81E+00	1.98E-04	6.99E-02	1.52E-02	1.90E+00
2129	495461.06	3859651.99	1.72E+00	1.64E-04	7.15E-02	1.54E-02	1.81E+00	1.80E+00	1.67E+00	6.52E+00	5.27E-01	1.05E+01	1.80E+00	1.92E-04	7.15E-02	1.54E-02	1.88E+00
2130	495511.06	3859651.99	1.71E+00	1.60E-04	7.26E-02	1.55E-02	1.80E+00	1.78E+00	1.64E+00	6.62E+00	5.30E-01	1.06E+01	1.78E+00	1.87E-04	7.26E-02	1.55E-02	1.87E+00
2131	495561.06	3859651.99	1.70E+00	1.60E-04	7.26E-02	1.55E-02	1.79E+00	1.77E+00	1.63E+00	6.62E+00	5.30E-01	1.06E+01	1.77E+00	1.87E-04	7.26E-02	1.55E-02	1.86E+00

2132	495611.06	3859651.99	1.69E+00	1.58E-04	7.30E-02	1.55E-02	1.77E+00	1.76E+00	1.61E+00	6.65E+00	5.31E-01	1.06E+01	1.76E+00	1.85E-04	7.30E-02	1.55E-02	1.84E+00
2133	495661.06	3859651.99	1.67E+00	1.55E-04	7.34E-02	1.55E-02	1.76E+00	1.74E+00	1.59E+00	6.69E+00	5.31E-01	1.06E+01	1.74E+00	1.82E-04	7.34E-02	1.55E-02	1.83E+00
2134	494311.06	3859701.99	2.03E+00	2.48E-04	6.46E-02	1.09E-02	2.10E+00	2.12E+00	2.53E+00	5.89E+00	3.72E-01	1.09E+01	2.11E+00	2.90E-04	6.46E-02	1.09E-02	2.19E+00
2135	494361.06	3859701.99	2.01E+00	2.44E-04	6.71E-02	1.11E-02	2.09E+00	2.10E+00	2.50E+00	6.12E+00	3.80E-01	1.11E+01	2.09E+00	2.86E-04	6.71E-02	1.11E-02	2.17E+00
2136	494411.06	3859701.99	2.00E+00	2.45E-04	6.64E-02	1.11E-02	2.08E+00	2.09E+00	2.50E+00	6.05E+00	3.79E-01	1.10E+01	2.08E+00	2.87E-04	6.64E-02	1.11E-02	2.16E+00
2137	494461.06	3859701.99	1.99E+00	2.56E-04	6.15E-02	1.06E-02	2.06E+00	2.07E+00	2.61E+00	5.61E+00	3.64E-01	1.07E+01	2.07E+00	2.99E-04	6.15E-02	1.06E-02	2.14E+00
2138	494511.06	3859701.99	1.98E+00	2.52E-04	6.23E-02	1.08E-02	2.05E+00	2.06E+00	2.58E+00	5.68E+00	3.70E-01	1.07E+01	2.06E+00	2.95E-04	6.23E-02	1.08E-02	2.13E+00
2139	494561.06	3859701.99	1.96E+00	2.52E-04	6.18E-02	1.09E-02	2.03E+00	2.05E+00	2.57E+00	5.63E+00	3.72E-01	1.06E+01	2.04E+00	2.95E-04	6.18E-02	1.09E-02	2.12E+00
2140	494611.06	3859701.99	1.95E+00	2.51E-04	6.15E-02	1.10E-02	2.02E+00	2.03E+00	2.56E+00	5.61E+00	3.76E-01	1.06E+01	2.03E+00	2.93E-04	6.15E-02	1.10E-02	2.10E+00
2141	494661.06	3859701.99	1.94E+00	2.31E-04	6.90E-02	1.20E-02	2.02E+00	2.02E+00	2.36E+00	6.30E+00	4.09E-01	1.11E+01	2.02E+00	2.70E-04	6.90E-02	1.20E-02	2.10E+00
2142	494711.06	3859701.99	1.93E+00	2.34E-04	6.66E-02	1.19E-02	2.01E+00	2.01E+00	2.39E+00	6.07E+00	4.07E-01	1.09E+01	2.01E+00	2.74E-04	6.66E-02	1.19E-02	2.09E+00
2143	494761.06	3859701.99	1.92E+00	2.28E-04	6.82E-02	1.23E-02	2.00E+00	2.00E+00	2.33E+00	6.22E+00	4.22E-01	1.10E+01	1.99E+00	2.67E-04	6.82E-02	1.23E-02	2.08E+00
2144	494811.06	3859701.99	1.90E+00	2.22E-04	7.01E-02	1.28E-02	1.98E+00	1.98E+00	2.27E+00	6.39E+00	4.37E-01	1.11E+01	1.98E+00	2.60E-04	7.01E-02	1.28E-02	2.06E+00
2145	494861.06	3859701.99	1.89E+00	2.26E-04	6.70E-02	1.27E-02	1.97E+00	1.97E+00	2.31E+00	6.11E+00	4.33E-01	1.08E+01	1.97E+00	2.65E-04	6.70E-02	1.27E-02	2.05E+00
2146	494911.06	3859701.99	1.88E+00	2.22E-04	6.81E-02	1.30E-02	1.96E+00	1.96E+00	2.27E+00	6.21E+00	4.45E-01	1.09E+01	1.95E+00	2.60E-04	6.81E-02	1.30E-02	2.03E+00
2147	494961.06	3859701.99	1.86E+00	2.18E-04	6.90E-02	1.33E-02	1.94E+00	1.94E+00	2.23E+00	6.30E+00	4.55E-01	1.09E+01	1.93E+00	2.56E-04	6.90E-02	1.33E-02	2.02E+00
2148	495011.06	3859701.99	1.84E+00	2.19E-04	6.78E-02	1.34E-02	1.92E+00	1.92E+00	2.23E+00	6.19E+00	4.58E-01	1.08E+01	1.92E+00	2.56E-04	6.78E-02	1.34E-02	2.00E+00
2149	495061.06	3859701.99	1.82E+00	2.16E-04	6.79E-02	1.36E-02	1.90E+00	1.90E+00	2.21E+00	6.19E+00	4.65E-01	1.08E+01	1.90E+00	2.53E-04	6.79E-02	1.36E-02	1.98E+00
2150	495111.06	3859701.99	1.80E+00	2.14E-04	6.79E-02	1.38E-02	1.88E+00	1.88E+00	2.19E+00	6.19E+00	4.73E-01	1.07E+01	1.87E+00	2.50E-04	6.79E-02	1.38E-02	1.96E+00
2151	495161.06	3859701.99	1.78E+00	2.11E-04	6.83E-02	1.41E-02	1.87E+00	1.86E+00	2.15E+00	6.23E+00	4.81E-01	1.07E+01	1.86E+00	2.46E-04	6.83E-02	1.41E-02	1.94E+00
2152	495211.06	3859701.99	1.77E+00	2.07E-04	6.89E-02	1.43E-02	1.86E+00	1.85E+00	2.11E+00	6.29E+00	4.90E-01	1.07E+01	1.85E+00	2.42E-04	6.89E-02	1.43E-02	1.93E+00
2153	495261.06	3859701.99	1.77E+00	2.09E-04	6.63E-02	1.43E-02	1.85E+00	1.85E+00	2.14E+00	6.05E+00	4.88E-01	1.05E+01	1.84E+00	2.45E-04	6.63E-02	1.43E-02	1.92E+00
2154	495311.06	3859701.99	1.76E+00	2.07E-04	6.65E-02	1.45E-02	1.85E+00	1.84E+00	2.11E+00	6.06E+00	4.95E-01	1.05E+01	1.84E+00	2.42E-04	6.65E-02	1.45E-02	1.92E+00
2155	495361.06	3859701.99	1.76E+00	1.79E-04	6.63E-02	1.46E-02	1.84E+00	1.83E+00	1.83E+00	6.05E+00	5.01E-01	1.02E+01	1.83E+00	2.10E-04	6.63E-02	1.46E-02	1.91E+00
2156	495411.06	3859701.99	1.75E+00	1.75E-04	6.73E-02	1.49E-02	1.83E+00	1.82E+00	1.79E+00	6.14E+00	5.09E-01	1.03E+01	1.82E+00	2.05E-04	6.73E-02	1.49E-02	1.90E+00
2157	495461.06	3859701.99	1.74E+00	1.73E-04	6.72E-02	1.50E-02	1.82E+00	1.81E+00	1.77E+00	6.13E+00	5.15E-01	1.02E+01	1.81E+00	2.03E-04	6.72E-02	1.50E-02	1.89E+00
2158	495511.06	3859701.99	1.72E+00	1.66E-04	6.96E-02	1.54E-02	1.80E+00	1.79E+00	1.70E+00	6.35E+00	5.25E-01	1.04E+01	1.79E+00	1.94E-04	6.96E-02	1.54E-02	1.87E+00
2159	495561.06	3859701.99	1.72E+00	1.70E-04	6.81E-02	1.53E-02	1.80E+00	1.80E+00	1.73E+00	6.21E+00	5.22E-01	1.03E+01	1.79E+00	1.98E-04	6.81E-02	1.53E-02	1.88E+00
2160	495611.06	3859701.99	1.71E+00	1.68E-04	6.88E-02	1.54E-02	1.80E+00	1.79E+00	1.72E+00	6.28E+00	5.25E-01	1.03E+01	1.78E+00	1.96E-04	6.88E-02	1.54E-02	1.87E+00
2161	495661.06	3859701.99	1.70E+00	1.66E-04	6.96E-02	1.54E-02	1.79E+00	1.78E+00	1.69E+00	6.35E+00	5.28E-01	1.03E+01	1.77E+00	1.94E-04	6.96E-02	1.54E-02	1.86E+00
2162	494311.06	3859751.99	2.05E+00	2.67E-04	5.89E-02	1.03E-02	2.12E+00	2.14E+00	2.73E+00	5.37E+00	3.52E-01	1.06E+01	2.13E+00	3.12E-04	5.89E-02	1.03E-02	2.20E+00
2163	494361.06	3859751.99	2.02E+00	2.64E-04	5.97E-02	1.04E-02	2.09E+00	2.11E+00	2.70E+00	5.44E+00	3.56E-01	1.06E+01	2.11E+00	3.09E-04	5.97E-02	1.04E-02	2.18E+00
2164	494411.06	3859751.99	2.01E+00	2.58E-04	6.12E-02	1.06E-02	2.08E+00	2.09E+00	2.64E+00	5.58E+00	3.62E-01	1.07E+01	2.09E+00	3.02E-04	6.12E-02	1.06E-02	2.16E+00
2165	494461.06	3859751.99	1.98E+00	2.66E-04	5.82E-02	1.03E-02	2.05E+00	2.06E+00	2.72E+00	5.31E+00	3.51E-01	1.04E+01	2.06E+00	3.11E-04	5.82E-02	1.03E-02	2.13E+00
2166	494511.06	3859751.99	1.97E+00	2.70E-04	5.66E-02	1.01E-02	2.03E+00	2.05E+00	2.76E+00	5.16E+00	3.46E-01	1.03E+01	2.05E+00	3.16E-04	5.66E-02	1.01E-02	2.11E+00
2167	494561.06	3859751.99	1.96E+00	2.67E-04	5.69E-02	1.02E-02	2.03E+00	2.04E+00	2.73E+00	5.19E+00	3.49E-01	1.03E+01	2.04E+00	3.12E-04	5.69E-02	1.02E-02	2.11E+00
2168	494611.06	3859751.99	1.95E+00	2.61E-04	5.87E-02	1.04E-02	2.02E+00	2.04E+00	2.66E+00	5.36E+00	3.56E-01	1.04E+01	2.03E+00	3.05E-04	5.87E-02	1.04E-02	2.10E+00
2169	494661.06	3859751.99	1.94E+00	2.45E-04	6.32E-02	1.10E-02	2.02E+00	2.03E+00	2.50E+00	5.76E+00	3.78E-01	1.07E+01	2.02E+00	2.86E-04	6.32E-02	1.10E-02	2.10E+00
2170	494711.06	3859751.99	1.93E+00	2.51E-04	6.16E-02	1.10E-02	2.00E+00	2.01E+00	2.56E+00	5.62E+00	3.75E-01	1.06E+01	2.01E+00	2.93E-04	6.16E-02	1.10E-02	2.08E+00
2171	494761.06	3859751.99	1.92E+00	2.50E-04	6.11E-02	1.10E-02	1.99E+00	2.00E+00	2.56E+00	5.57E+00	3.78E-01	1.05E+01	1.99E+00	2.93E-04	6.11E-02	1.10E-02	2.07E+00
2172	494811.06	3859751.99	1.91E+00	2.45E-04	6.24E-02	1.13E-02	1.98E+00	1.99E+00	2.51E+00	5.69E+00	3.88E-01	1.06E+01	1.99E+00	2.87E-04	6.24E-02	1.13E-02	2.06E+00
2173	494861.06	3859751.99	1.90E+00	2.44E-04	6.23E-02	1.15E-02	1.97E+00	1.98E+00	2.49E+00	5.68E+00	3.93E-01	1.05E+01	1.97E+00	2.85E-04	6.23E-02	1.15E-02	2.05E+00
2174	494911.06	3859751.99	1.88E+00	2.42E-04	6.23E-02	1.17E-02	1.96E+00	1.97E+00	2.47E+00	5.68E+00	3.99E-01	1.05E+01	1.96E+00	2.83E-04	6.23E-02	1.17E-02	2.04E+00
2175	494961.06	3859751.99	1.87E+00	2.40E-04	6.22E-02	1.19E-02	1.95E+00	1.96E+00	2.45E+00	5.67E+00	4.07E-01	1.05E+01	1.95E+00	2.80E-04	6.22E-02	1.19E-02	2.03E+00
2176	495011.06	3859751.99	1.86E+00	2.37E-04	6.24E-02	1.22E-02	1.94E+00	1.94E+00	2.42E+00	5.69E+00	4.16E-01	1.05E+01	1.94E+00	2.77E-04	6.24E-02	1.22E-02	2.02E+00
2177	495061.06	3859751.99	1.85E+00	2.37E-04	6.14E-02	1.23E-02	1.92E+00	1.93E+00	2.42E+00	5.60E+00	4.20E-01	1.04E+01	1.93E+00	2.77E-04	6.14E-02	1.23E-02	2.00E+00
2178	495111.06	3859751.99	1.83E+00	2.34E-04	6.15E-02	1.25E-02	1.91E+00	1.91E+00	2.39E+00	5.61E+00	4.29E-01	1.03E+01	1.91E+00	2.73E-04	6.15E-02	1.25E-02	1.98E+00
2179	495161.06	3859751.99	1.82E+00	2.30E-04	6.23E-02	1.29E-02	1.89E+00	1.89E+00	2.35E+00	5.68E+00	4.40E-01	1.04E+01	1.89E+00	2.69E-04	6.23E-02	1.29E-02	1.97E+00
2180	495211.06	3859751.99	1.80E+00	2.26E-04	6.33E-02	1.32E-02	1.87E+00	1.87E+00	2.31E+00	5.78E+00	4.51E-01	1.04E+01	1.87E+00	2.64E-04	6.33E-02	1.32E-02	1.95E+00
2181	495261.06	3859751.99	1.77E+00	2.25E-04	6.26E-02	1.33E-02	1.85E+00	1.85E+00	2.30E+00	5.71E+00	4.55E-01	1.03E+01	1.85E+00	2.63E-04	6.26E-02	1.33E-02	1.92E+00
2182	495311.06	3859751.99	1.77E+00	2.22E-04	6.31E-02	1.36E-02	1.84E+00	1.84E+00	2.27E+00	5.75E+00	4.64E-01	1.03E+01	1.84E+00	2.60E-04	6.31E-02	1.36E-02	1.92E+00
2183	495361.06	3859751.99	1.75E+00	2.20E-04	6.31E-02	1.38E-02	1.83E+00	1.83E+00	2.24E+00	5.76E+00	4.71E-01	1.03E+01	1.83E+00	2.57E-04	6.31E-02	1.38E-02	1.90E+00
2184	495411.06	3859751.99	1.75E+00	2.17E-04	6.30E-02	1.40E-02	1.83E+00	1.83E+00	2.22E+00	5.75E+00	4.78E-01	1.03E+01	1.82E+00	2.54E-04	6.30E-02	1.40E-02	1.90E+00
2185	495461.06	3859751.99	1.75E+00	2.12E-04	6.46E-02	1.43E-02	1.82E+00	1.82E+00	2.16E+00	5.89E+00	4.90E-01	1.04E+01	1.82E+00	2.48E-04	6.46E-02	1.43E-02	1.90E+00
2186	495511.06	3859751.99	1.74E+00	2.07E-04	6.60E-02	1.46E-02	1.82E+00	1.81E+00	2.11E+00	6.02E+00	5.01E-01	1.04E+01	1.81E+00	2.42E-04	6.60E-02	1.46E-02	1.89E+00
2187	495561.06	3859751.99	1.73E+00	1.78E-04	6.58E-02	1.48E-02	1.81E+00	1.81E+00	1.82E+00	6.00E+00	5.06E-01	1.01E+01	1.80E+00	2.09E-04	6.58E-02	1.48E-02	1.88E+00
2188	495611.06	3859751.99	1.72E+00	1.77E-04	6.55E-02	1.49E-02	1.80E+00	1.80E+00	1.81E+00	5.98E+00	5.11E-01	1.01E+01	1.79E+00	2.07E-04	6.55E-02	1.49E-02	1.88E+00
2189	495661.06	3859751.99	1.72E+00	1.77E-04	6.47E-02	1.50E-02	1.80E+00	1.79E+00	1.81E+00	5.90E+00	5.13E-01	1.00E+01	1.79E+00	2.07E-04	6.47E-02	1.50E-02	1.87E+00
2190	494311.06	3859801.99	2.05E+00	2.82E-04	5.24E-02	9.76E-03	2.11E+00	2.14E+00	2.89E+00	4.78E+00	3.34E-01	1.01E+01	2.14E+00	3.30E-04	5.24E-02	9.76E-03	2.20E+00
2191	494361.06	3859801.99	2.04E+00	2.75E-04	5.48E-02	9.98E-03	2.10E+00	2.13E+00	2.81E+00	5.00E+00	3.41E-01	1.03E+01	2.12E+00	3.22E-04	5.48E-02	9.98E-03	2.19E+00
2192	494411.06	3859801.99	2.02E+00	2.66E-04	5.75E-02	1.03E-02	2.09E+00	2.11E+00	2.72E+00	5.24E+00	3.51E-01	1.04E+01	2.11E+00	3.12E-04	5.75E-02	1.03E-02	2.18E+00

2193	494461.06	3859801.99	1.99E+00	2.73E-04	5.53E-02	9.99E-03	2.06E+00	2.08E+00	2.79E+00	5.04E+00	3.42E-01	1.03E+01	2.07E+00	3.20E-04	5.53E-02	9.99E-03	2.14E+00
2194	494511.06	3859801.99	1.96E+00	2.82E-04	5.27E-02	9.71E-03	2.02E+00	2.04E+00	2.88E+00	4.81E+00	3.32E-01	1.01E+01	2.04E+00	3.30E-04	5.27E-02	9.71E-03	2.10E+00
2195	494561.06	3859801.99	1.94E+00	2.80E-04	5.32E-02	9.76E-03	2.00E+00	2.03E+00	2.86E+00	4.85E+00	3.34E-01	1.01E+01	2.02E+00	3.27E-04	5.32E-02	9.76E-03	2.08E+00
2196	494611.06	3859801.99	1.94E+00	2.67E-04	5.65E-02	1.01E-02	2.01E+00	2.03E+00	2.73E+00	5.15E+00	3.47E-01	1.03E+01	2.02E+00	3.13E-04	5.65E-02	1.01E-02	2.09E+00
2197	494661.06	3859801.99	1.94E+00	2.64E-04	5.73E-02	1.03E-02	2.01E+00	2.02E+00	2.69E+00	5.22E+00	3.51E-01	1.03E+01	2.02E+00	3.08E-04	5.73E-02	1.03E-02	2.09E+00
2198	494711.06	3859801.99	1.93E+00	2.57E-04	5.90E-02	1.05E-02	2.00E+00	2.02E+00	2.63E+00	5.38E+00	3.59E-01	1.04E+01	2.01E+00	3.01E-04	5.90E-02	1.05E-02	2.08E+00
2199	494761.06	3859801.99	1.92E+00	2.64E-04	5.60E-02	1.02E-02	1.98E+00	2.00E+00	2.70E+00	5.10E+00	3.49E-01	1.02E+01	2.00E+00	3.09E-04	5.60E-02	1.02E-02	2.06E+00
2200	494811.06	3859801.99	1.90E+00	2.61E-04	5.69E-02	1.04E-02	1.97E+00	1.99E+00	2.66E+00	5.19E+00	3.54E-01	1.02E+01	1.98E+00	3.05E-04	5.69E-02	1.04E-02	2.05E+00
2201	494861.06	3859801.99	1.89E+00	2.60E-04	5.66E-02	1.04E-02	1.96E+00	1.97E+00	2.66E+00	5.17E+00	3.57E-01	1.02E+01	1.97E+00	3.04E-04	5.66E-02	1.04E-02	2.04E+00
2202	494911.06	3859801.99	1.88E+00	2.55E-04	5.81E-02	1.08E-02	1.95E+00	1.96E+00	2.60E+00	5.30E+00	3.68E-01	1.02E+01	1.96E+00	2.98E-04	5.81E-02	1.08E-02	2.03E+00
2203	494961.06	3859801.99	1.87E+00	2.53E-04	5.82E-02	1.09E-02	1.94E+00	1.95E+00	2.58E+00	5.31E+00	3.74E-01	1.02E+01	1.95E+00	2.96E-04	5.82E-02	1.09E-02	2.02E+00
2204	495011.06	3859801.99	1.86E+00	2.50E-04	5.85E-02	1.11E-02	1.93E+00	1.94E+00	2.56E+00	5.34E+00	3.80E-01	1.02E+01	1.94E+00	2.93E-04	5.85E-02	1.11E-02	2.01E+00
2205	495061.06	3859801.99	1.85E+00	2.50E-04	5.81E-02	1.12E-02	1.92E+00	1.93E+00	2.55E+00	5.30E+00	3.83E-01	1.02E+01	1.93E+00	2.92E-04	5.81E-02	1.12E-02	2.00E+00
2206	495111.06	3859801.99	1.85E+00	2.45E-04	5.90E-02	1.15E-02	1.92E+00	1.93E+00	2.51E+00	5.38E+00	3.95E-01	1.02E+01	1.92E+00	2.87E-04	5.90E-02	1.15E-02	1.99E+00
2207	495161.06	3859801.99	1.83E+00	2.42E-04	5.96E-02	1.19E-02	1.91E+00	1.91E+00	2.47E+00	5.44E+00	4.06E-01	1.02E+01	1.91E+00	2.83E-04	5.96E-02	1.19E-02	1.98E+00
2208	495211.06	3859801.99	1.82E+00	2.41E-04	5.91E-02	1.20E-02	1.89E+00	1.90E+00	2.46E+00	5.39E+00	4.11E-01	1.02E+01	1.90E+00	2.82E-04	5.91E-02	1.20E-02	1.97E+00
2209	495261.06	3859801.99	1.80E+00	2.37E-04	5.98E-02	1.24E-02	1.88E+00	1.88E+00	2.42E+00	5.45E+00	4.24E-01	1.02E+01	1.88E+00	2.77E-04	5.98E-02	1.24E-02	1.95E+00
2210	495311.06	3859801.99	1.79E+00	2.36E-04	5.90E-02	1.25E-02	1.86E+00	1.86E+00	2.41E+00	5.38E+00	4.28E-01	1.01E+01	1.86E+00	2.76E-04	5.90E-02	1.25E-02	1.93E+00
2211	495361.06	3859801.99	1.77E+00	2.33E-04	5.93E-02	1.28E-02	1.84E+00	1.84E+00	2.38E+00	5.41E+00	4.37E-01	1.01E+01	1.84E+00	2.73E-04	5.93E-02	1.28E-02	1.91E+00
2212	495411.06	3859801.99	1.75E+00	2.28E-04	6.06E-02	1.32E-02	1.82E+00	1.83E+00	2.33E+00	5.53E+00	4.50E-01	1.01E+01	1.82E+00	2.67E-04	6.06E-02	1.32E-02	1.90E+00
2213	495461.06	3859801.99	1.74E+00	2.26E-04	6.09E-02	1.34E-02	1.82E+00	1.82E+00	2.31E+00	5.55E+00	4.58E-01	1.01E+01	1.81E+00	2.64E-04	6.09E-02	1.34E-02	1.89E+00
2214	495511.06	3859801.99	1.73E+00	2.19E-04	6.30E-02	1.38E-02	1.81E+00	1.81E+00	2.24E+00	5.75E+00	4.73E-01	1.03E+01	1.80E+00	2.57E-04	6.30E-02	1.38E-02	1.88E+00
2215	495561.06	3859801.99	1.73E+00	2.18E-04	6.26E-02	1.40E-02	1.81E+00	1.80E+00	2.23E+00	5.71E+00	4.78E-01	1.02E+01	1.80E+00	2.55E-04	6.26E-02	1.40E-02	1.88E+00
2216	495611.06	3859801.99	1.73E+00	2.19E-04	6.07E-02	1.39E-02	1.80E+00	1.80E+00	2.24E+00	5.54E+00	4.77E-01	1.01E+01	1.80E+00	2.57E-04	6.07E-02	1.39E-02	1.88E+00
2217	495661.06	3859801.99	1.72E+00	2.14E-04	6.21E-02	1.43E-02	1.80E+00	1.80E+00	2.19E+00	5.66E+00	4.89E-01	1.01E+01	1.79E+00	2.51E-04	6.21E-02	1.43E-02	1.87E+00
2218	494311.06	3859851.99	2.05E+00	2.92E-04	4.70E-02	9.51E-03	2.10E+00	2.14E+00	2.99E+00	4.29E+00	3.25E-01	9.74E+00	2.13E+00	3.42E-04	4.70E-02	9.51E-03	2.19E+00
2219	494361.06	3859851.99	2.04E+00	2.88E-04	4.87E-02	9.65E-03	2.10E+00	2.13E+00	2.94E+00	4.44E+00	3.30E-01	9.84E+00	2.12E+00	3.36E-04	4.87E-02	9.65E-03	2.18E+00
2220	494411.06	3859851.99	2.03E+00	2.81E-04	5.09E-02	9.85E-03	2.09E+00	2.12E+00	2.87E+00	4.64E+00	3.37E-01	9.97E+00	2.11E+00	3.29E-04	5.09E-02	9.85E-03	2.17E+00
2221	494461.06	3859851.99	2.01E+00	2.78E-04	5.20E-02	9.93E-03	2.07E+00	2.10E+00	2.84E+00	4.74E+00	3.40E-01	1.00E+01	2.09E+00	3.25E-04	5.20E-02	9.93E-03	2.15E+00
2222	494511.06	3859851.99	1.97E+00	2.81E-04	5.10E-02	9.76E-03	2.03E+00	2.06E+00	2.87E+00	4.65E+00	3.34E-01	9.91E+00	2.05E+00	3.29E-04	5.10E-02	9.76E-03	2.12E+00
2223	494561.06	3859851.99	1.94E+00	2.86E-04	4.94E-02	9.52E-03	2.00E+00	2.02E+00	2.92E+00	4.50E+00	3.25E-01	9.78E+00	2.02E+00	3.35E-04	4.94E-02	9.52E-03	2.08E+00
2224	494611.06	3859851.99	1.94E+00	2.73E-04	5.32E-02	9.96E-03	2.00E+00	2.03E+00	2.79E+00	4.85E+00	3.41E-01	1.00E+01	2.02E+00	3.20E-04	5.32E-02	9.96E-03	2.08E+00
2225	494661.06	3859851.99	1.92E+00	2.76E-04	5.23E-02	9.85E-03	1.98E+00	2.00E+00	2.82E+00	4.77E+00	3.37E-01	9.93E+00	2.00E+00	3.23E-04	5.23E-02	9.85E-03	2.06E+00
2226	494711.06	3859851.99	1.91E+00	2.68E-04	5.46E-02	1.01E-02	1.98E+00	2.00E+00	2.74E+00	4.98E+00	3.46E-01	1.01E+01	1.99E+00	3.13E-04	5.46E-02	1.01E-02	2.06E+00
2227	494761.06	3859851.99	1.90E+00	2.74E-04	5.26E-02	9.89E-03	1.96E+00	1.98E+00	2.80E+00	4.79E+00	3.38E-01	9.91E+00	1.98E+00	3.20E-04	5.26E-02	9.89E-03	2.04E+00
2228	494811.06	3859851.99	1.90E+00	2.71E-04	5.31E-02	9.97E-03	1.96E+00	1.98E+00	2.77E+00	4.84E+00	3.41E-01	9.93E+00	1.97E+00	3.17E-04	5.31E-02	9.97E-03	2.04E+00
2229	494861.06	3859851.99	1.88E+00	2.72E-04	5.24E-02	9.92E-03	1.95E+00	1.97E+00	2.78E+00	4.78E+00	3.39E-01	9.86E+00	1.96E+00	3.18E-04	5.24E-02	9.92E-03	2.02E+00
2230	494911.06	3859851.99	1.88E+00	2.67E-04	5.33E-02	1.01E-02	1.94E+00	1.96E+00	2.73E+00	4.86E+00	3.44E-01	9.89E+00	1.95E+00	3.13E-04	5.33E-02	1.01E-02	2.02E+00
2231	494961.06	3859851.99	1.87E+00	2.65E-04	5.34E-02	1.01E-02	1.93E+00	1.95E+00	2.71E+00	4.87E+00	3.46E-01	9.87E+00	1.94E+00	3.10E-04	5.34E-02	1.01E-02	2.01E+00
2232	495011.06	3859851.99	1.85E+00	2.63E-04	5.37E-02	1.02E-02	1.92E+00	1.93E+00	2.69E+00	4.89E+00	3.48E-01	9.86E+00	1.93E+00	3.08E-04	5.37E-02	1.02E-02	2.00E+00
2233	495061.06	3859851.99	1.84E+00	2.62E-04	5.34E-02	1.02E-02	1.90E+00	1.92E+00	2.68E+00	4.87E+00	3.50E-01	9.82E+00	1.92E+00	3.07E-04	5.34E-02	1.02E-02	1.98E+00
2234	495111.06	3859851.99	1.83E+00	2.58E-04	5.45E-02	1.05E-02	1.90E+00	1.91E+00	2.63E+00	4.97E+00	3.60E-01	9.87E+00	1.91E+00	3.01E-04	5.45E-02	1.05E-02	1.98E+00
2235	495161.06	3859851.99	1.83E+00	2.55E-04	5.50E-02	1.07E-02	1.90E+00	1.91E+00	2.60E+00	5.02E+00	3.67E-01	9.90E+00	1.91E+00	2.98E-04	5.50E-02	1.07E-02	1.97E+00
2236	495211.06	3859851.99	1.82E+00	2.52E-04	5.53E-02	1.09E-02	1.89E+00	1.90E+00	2.58E+00	5.04E+00	3.73E-01	9.90E+00	1.90E+00	2.95E-04	5.53E-02	1.09E-02	1.96E+00
2237	495261.06	3859851.99	1.81E+00	2.49E-04	5.58E-02	1.11E-02	1.88E+00	1.89E+00	2.55E+00	5.09E+00	3.81E-01	9.91E+00	1.89E+00	2.92E-04	5.58E-02	1.11E-02	1.96E+00
2238	495311.06	3859851.99	1.80E+00	2.48E-04	5.55E-02	1.13E-02	1.87E+00	1.88E+00	2.53E+00	5.06E+00	3.87E-01	9.86E+00	1.88E+00	2.90E-04	5.55E-02	1.13E-02	1.94E+00
2239	495361.06	3859851.99	1.79E+00	2.46E-04	5.55E-02	1.16E-02	1.86E+00	1.87E+00	2.51E+00	5.06E+00	3.95E-01	9.84E+00	1.86E+00	2.88E-04	5.55E-02	1.16E-02	1.93E+00
2240	495411.06	3859851.99	1.77E+00	2.41E-04	5.64E-02	1.19E-02	1.84E+00	1.85E+00	2.47E+00	5.15E+00	4.09E-01	9.87E+00	1.85E+00	2.82E-04	5.64E-02	1.19E-02	1.92E+00
2241	495461.06	3859851.99	1.76E+00	2.37E-04	5.72E-02	1.23E-02	1.83E+00	1.83E+00	2.43E+00	5.21E+00	4.21E-01	9.89E+00	1.83E+00	2.78E-04	5.72E-02	1.23E-02	1.90E+00
2242	495511.06	3859851.99	1.74E+00	2.32E-04	5.84E-02	1.27E-02	1.81E+00	1.81E+00	2.37E+00	5.32E+00	4.36E-01	9.94E+00	1.81E+00	2.72E-04	5.84E-02	1.27E-02	1.88E+00
2243	495561.06	3859851.99	1.72E+00	2.32E-04	5.75E-02	1.28E-02	1.79E+00	1.80E+00	2.37E+00	5.24E+00	4.39E-01	9.85E+00	1.80E+00	2.71E-04	5.75E-02	1.28E-02	1.87E+00
2244	495611.06	3859851.99	1.72E+00	2.31E-04	5.70E-02	1.30E-02	1.79E+00	1.79E+00	2.36E+00	5.20E+00	4.44E-01	9.79E+00	1.79E+00	2.70E-04	5.70E-02	1.30E-02	1.86E+00
2245	495661.06	3859851.99	1.71E+00	2.26E-04	5.85E-02	1.34E-02	1.78E+00	1.79E+00	2.31E+00	5.33E+00	4.57E-01	9.88E+00	1.78E+00	2.64E-04	5.85E-02	1.34E-02	1.85E+00
2246	494311.06	3859901.99	2.02E+00	3.03E-04	4.46E-02	9.25E-03	2.07E+00	2.10E+00	3.10E+00	4.07E+00	3.16E-01	9.59E+00	2.10E+00	3.55E-04	4.46E-02	9.25E-03	2.15E+00
2247	494361.06	3859901.99	2.04E+00	2.93E-04	4.61E-02	9.61E-03	2.09E+00	2.13E+00	2.99E+00	4.20E+00	3.29E-01	9.64E+00	2.12E+00	3.42E-04	4.61E-02	9.61E-03	2.18E+00
2248	494411.06	3859901.99	2.02E+00	2.94E-04	4.59E-02	9.51E-03	2.07E+00	2.10E+00	3.00E+00	4.19E+00	3.25E-01	9.61E+00	2.10E+00	3.44E-04	4.59E-02	9.51E-03	2.15E+00
2249	494461.06	3859901.99	2.00E+00	2.91E-04	4.63E-02	9.57E-03	2.06E+00	2.09E+00	2.97E+00	4.22E+00	3.27E-01	9.61E+00	2.09E+00	3.40E-04	4.63E-02	9.57E-03	2.14E+00
2250	494511.06	3859901.99	1.98E+00	2.91E-04	4.63E-02	9.50E-03	2.03E+00	2.06E+00	2.97E+00	4.22E+00	3.25E-01	9.58E+00	2.06E+00	3.40E-04	4.63E-02	9.50E-03	2.12E+00
2251	494561.06	3859901.99	1.92E+00	2.98E-04	4.49E-02	9.13E-03	1.98E+00	2.01E+00	3.05E+00	4.09E+00	3.12E-01	9.46E+00	2.00E+00	3.49E-04	4.49E-02	9.13E-03	2.06E+00
2252	494611.06	3859901.99	1.94E+00	2.84E-04	4.84E-02	9.64E-03	2.00E+00	2.02E+00	2.91E+00	4.41E+00	3.30E-01	9.67E+00	2.02E+00	3.33E-04	4.84E-02	9.64E-03	2.08E+00
2253	494661.06	3859901.99	1.90E+00	2.90E-04	4.68E-02	9.36E-03	1.96E+00	1.98E+00	2.96E+00	4.27E+00	3.20E-01	9.53E+00	1.98E+00	3.39E-04	4.68E-02	9.36E-03	2.04E+00

2254	494711.06	3859901.99	1.91E+00	2.77E-04	5.06E-02	9.85E-03	1.97E+00	1.99E+00	2.83E+00	4.62E+00	3.37E-01	9.78E+00	1.99E+00	3.24E-04	5.06E-02	9.85E-03	2.05E+00
2255	494761.06	3859901.99	1.89E+00	2.80E-04	4.96E-02	9.68E-03	1.95E+00	1.97E+00	2.86E+00	4.53E+00	3.31E-01	9.68E+00	1.96E+00	3.27E-04	4.96E-02	9.68E-03	2.02E+00
2256	494811.06	3859901.99	1.86E+00	2.82E-04	4.85E-02	9.51E-03	1.92E+00	1.94E+00	2.88E+00	4.43E+00	3.25E-01	9.58E+00	1.94E+00	3.30E-04	4.85E-02	9.51E-03	2.00E+00
2257	494861.06	3859901.99	1.85E+00	2.82E-04	4.84E-02	9.48E-03	1.91E+00	1.93E+00	2.88E+00	4.41E+00	3.24E-01	9.54E+00	1.93E+00	3.29E-04	4.84E-02	9.48E-03	1.99E+00
2258	494911.06	3859901.99	1.86E+00	2.77E-04	4.95E-02	9.64E-03	1.91E+00	1.94E+00	2.83E+00	4.51E+00	3.30E-01	9.60E+00	1.93E+00	3.24E-04	4.95E-02	9.64E-03	1.99E+00
2259	494961.06	3859901.99	1.85E+00	2.76E-04	4.94E-02	9.64E-03	1.91E+00	1.93E+00	2.82E+00	4.50E+00	3.30E-01	9.58E+00	1.92E+00	3.23E-04	4.94E-02	9.64E-03	1.98E+00
2260	495011.06	3859901.99	1.84E+00	2.72E-04	5.00E-02	9.76E-03	1.90E+00	1.92E+00	2.78E+00	4.56E+00	3.34E-01	9.60E+00	1.92E+00	3.19E-04	5.00E-02	9.76E-03	1.98E+00
2261	495061.06	3859901.99	1.83E+00	2.70E-04	5.03E-02	9.83E-03	1.89E+00	1.91E+00	2.76E+00	4.59E+00	3.36E-01	9.59E+00	1.91E+00	3.16E-04	5.03E-02	9.83E-03	1.97E+00
2262	495111.06	3859901.99	1.83E+00	2.65E-04	5.13E-02	1.00E-02	1.89E+00	1.91E+00	2.71E+00	4.68E+00	3.42E-01	9.64E+00	1.90E+00	3.10E-04	5.13E-02	1.00E-02	1.97E+00
2263	495161.06	3859901.99	1.82E+00	2.61E-04	5.22E-02	1.01E-02	1.88E+00	1.90E+00	2.67E+00	4.76E+00	3.47E-01	9.67E+00	1.89E+00	3.05E-04	5.22E-02	1.01E-02	1.96E+00
2264	495211.06	3859901.99	1.80E+00	2.61E-04	5.17E-02	1.01E-02	1.87E+00	1.88E+00	2.67E+00	4.71E+00	3.46E-01	9.61E+00	1.88E+00	3.05E-04	5.17E-02	1.01E-02	1.94E+00
2265	495261.06	3859901.99	1.80E+00	2.55E-04	5.31E-02	1.04E-02	1.87E+00	1.88E+00	2.61E+00	4.84E+00	3.57E-01	9.69E+00	1.88E+00	2.98E-04	5.31E-02	1.04E-02	1.94E+00
2266	495311.06	3859901.99	1.80E+00	2.55E-04	5.25E-02	1.05E-02	1.86E+00	1.88E+00	2.60E+00	4.78E+00	3.58E-01	9.62E+00	1.87E+00	2.98E-04	5.25E-02	1.05E-02	1.94E+00
2267	495361.06	3859901.99	1.79E+00	2.52E-04	5.29E-02	1.07E-02	1.86E+00	1.87E+00	2.57E+00	4.83E+00	3.65E-01	9.63E+00	1.87E+00	2.95E-04	5.29E-02	1.07E-02	1.93E+00
2268	495411.06	3859901.99	1.78E+00	2.47E-04	5.41E-02	1.10E-02	1.85E+00	1.86E+00	2.53E+00	4.93E+00	3.76E-01	9.70E+00	1.86E+00	2.89E-04	5.41E-02	1.10E-02	1.92E+00
2269	495461.06	3859901.99	1.77E+00	2.44E-04	5.48E-02	1.13E-02	1.84E+00	1.85E+00	2.49E+00	4.99E+00	3.87E-01	9.72E+00	1.85E+00	2.85E-04	5.48E-02	1.13E-02	1.91E+00
2270	495511.06	3859901.99	1.76E+00	2.43E-04	5.43E-02	1.15E-02	1.82E+00	1.84E+00	2.48E+00	4.95E+00	3.92E-01	9.66E+00	1.83E+00	2.84E-04	5.43E-02	1.15E-02	1.90E+00
2271	495561.06	3859901.99	1.74E+00	2.42E-04	5.38E-02	1.16E-02	1.81E+00	1.82E+00	2.48E+00	4.91E+00	3.97E-01	9.60E+00	1.81E+00	2.83E-04	5.38E-02	1.16E-02	1.88E+00
2272	495611.06	3859901.99	1.73E+00	2.38E-04	5.46E-02	1.20E-02	1.79E+00	1.80E+00	2.43E+00	4.98E+00	4.10E-01	9.63E+00	1.80E+00	2.79E-04	5.46E-02	1.20E-02	1.86E+00
2273	495661.06	3859901.99	1.71E+00	2.34E-04	5.57E-02	1.24E-02	1.78E+00	1.78E+00	2.39E+00	5.08E+00	4.24E-01	9.67E+00	1.78E+00	2.73E-04	5.57E-02	1.24E-02	1.85E+00
2274	494311.06	3859951.99	1.89E+00	3.17E-04	4.17E-02	8.83E-03	1.94E+00	1.97E+00	3.24E+00	3.80E+00	3.02E-01	9.31E+00	1.97E+00	3.71E-04	4.17E-02	8.83E-03	2.02E+00
2275	494361.06	3859951.99	1.88E+00	3.11E-04	4.25E-02	9.00E-03	1.93E+00	1.96E+00	3.18E+00	3.88E+00	3.08E-01	9.32E+00	1.95E+00	3.64E-04	4.25E-02	9.00E-03	2.01E+00
2276	494411.06	3859951.99	1.97E+00	3.06E-04	4.33E-02	9.13E-03	2.03E+00	2.06E+00	3.13E+00	3.95E+00	3.12E-01	9.45E+00	2.05E+00	3.58E-04	4.33E-02	9.13E-03	2.11E+00
2277	494461.06	3859951.99	1.97E+00	3.04E-04	4.37E-02	9.18E-03	2.02E+00	2.06E+00	3.10E+00	3.99E+00	3.14E-01	9.46E+00	2.05E+00	3.55E-04	4.37E-02	9.18E-03	2.10E+00
2278	494511.06	3859951.99	1.95E+00	3.04E-04	4.37E-02	9.09E-03	2.00E+00	2.03E+00	3.11E+00	3.98E+00	3.11E-01	9.44E+00	2.03E+00	3.56E-04	4.37E-02	9.09E-03	2.08E+00
2279	494561.06	3859951.99	1.83E+00	3.14E-04	4.23E-02	8.62E-03	1.88E+00	1.91E+00	3.21E+00	3.86E+00	2.95E-01	9.27E+00	1.90E+00	3.68E-04	4.23E-02	8.62E-03	1.95E+00
2280	494611.06	3859951.99	1.91E+00	3.02E-04	4.39E-02	9.05E-03	1.97E+00	2.00E+00	3.09E+00	4.00E+00	3.10E-01	9.39E+00	1.99E+00	3.54E-04	4.39E-02	9.05E-03	2.05E+00
2281	494661.06	3859951.99	1.79E+00	3.07E-04	4.32E-02	8.80E-03	1.84E+00	1.87E+00	3.13E+00	3.94E+00	3.01E-01	9.24E+00	1.86E+00	3.59E-04	4.32E-02	8.80E-03	1.91E+00
2282	494711.06	3859951.99	1.88E+00	2.96E-04	4.45E-02	9.18E-03	1.94E+00	1.96E+00	3.02E+00	4.06E+00	3.14E-01	9.36E+00	1.96E+00	3.46E-04	4.45E-02	9.18E-03	2.01E+00
2283	494761.06	3859951.99	1.86E+00	2.96E-04	4.42E-02	9.12E-03	1.91E+00	1.94E+00	3.02E+00	4.03E+00	3.12E-01	9.31E+00	1.93E+00	3.46E-04	4.42E-02	9.12E-03	1.99E+00
2284	494811.06	3859951.99	1.84E+00	2.95E-04	4.44E-02	9.11E-03	1.89E+00	1.92E+00	3.01E+00	4.05E+00	3.12E-01	9.29E+00	1.91E+00	3.45E-04	4.44E-02	9.11E-03	1.97E+00
2285	494861.06	3859951.99	1.81E+00	2.96E-04	4.42E-02	8.97E-03	1.87E+00	1.89E+00	3.03E+00	4.04E+00	3.07E-01	9.26E+00	1.89E+00	3.47E-04	4.42E-02	8.97E-03	1.94E+00
2286	494911.06	3859951.99	1.81E+00	2.90E-04	4.52E-02	9.15E-03	1.87E+00	1.89E+00	2.97E+00	4.13E+00	3.13E-01	9.30E+00	1.89E+00	3.40E-04	4.52E-02	9.15E-03	1.94E+00
2287	494961.06	3859951.99	1.81E+00	2.86E-04	4.63E-02	9.29E-03	1.87E+00	1.89E+00	2.92E+00	4.22E+00	3.18E-01	9.35E+00	1.89E+00	3.34E-04	4.63E-02	9.29E-03	1.94E+00
2288	495011.06	3859951.99	1.82E+00	2.82E-04	4.70E-02	9.39E-03	1.87E+00	1.89E+00	2.88E+00	4.29E+00	3.21E-01	9.38E+00	1.89E+00	3.29E-04	4.70E-02	9.39E-03	1.95E+00
2289	495061.06	3859951.99	1.81E+00	2.79E-04	4.72E-02	9.43E-03	1.87E+00	1.89E+00	2.85E+00	4.31E+00	3.22E-01	9.38E+00	1.89E+00	3.27E-04	4.72E-02	9.43E-03	1.94E+00
2290	495111.06	3859951.99	1.81E+00	2.74E-04	4.84E-02	9.61E-03	1.87E+00	1.89E+00	2.80E+00	4.41E+00	3.29E-01	9.43E+00	1.89E+00	3.20E-04	4.84E-02	9.61E-03	1.95E+00
2291	495161.06	3859951.99	1.81E+00	2.69E-04	4.94E-02	9.78E-03	1.87E+00	1.89E+00	2.74E+00	4.50E+00	3.34E-01	9.47E+00	1.88E+00	3.14E-04	4.94E-02	9.78E-03	1.94E+00
2292	495211.06	3859951.99	1.80E+00	2.64E-04	5.02E-02	9.94E-03	1.86E+00	1.88E+00	2.69E+00	4.58E+00	3.40E-01	9.49E+00	1.88E+00	3.08E-04	5.02E-02	9.94E-03	1.94E+00
2293	495261.06	3859951.99	1.80E+00	2.61E-04	5.05E-02	1.00E-02	1.86E+00	1.87E+00	2.66E+00	4.60E+00	3.43E-01	9.48E+00	1.87E+00	3.05E-04	5.05E-02	1.00E-02	1.93E+00
2294	495311.06	3859951.99	1.78E+00	2.61E-04	4.96E-02	9.95E-03	1.84E+00	1.86E+00	2.66E+00	4.53E+00	3.40E-01	9.39E+00	1.85E+00	3.05E-04	4.96E-02	9.95E-03	1.91E+00
2295	495361.06	3859951.99	1.77E+00	2.59E-04	4.97E-02	1.00E-02	1.83E+00	1.85E+00	2.65E+00	4.53E+00	3.42E-01	9.37E+00	1.84E+00	3.03E-04	4.97E-02	1.00E-02	1.90E+00
2296	495411.06	3859951.99	1.77E+00	2.55E-04	5.06E-02	1.02E-02	1.83E+00	1.85E+00	2.61E+00	4.62E+00	3.48E-01	9.42E+00	1.84E+00	2.98E-04	5.06E-02	1.02E-02	1.91E+00
2297	495461.06	3859951.99	1.77E+00	2.52E-04	5.11E-02	1.04E-02	1.83E+00	1.84E+00	2.57E+00	4.66E+00	3.54E-01	9.43E+00	1.84E+00	2.95E-04	5.11E-02	1.04E-02	1.90E+00
2298	495511.06	3859951.99	1.76E+00	2.49E-04	5.16E-02	1.06E-02	1.82E+00	1.84E+00	2.54E+00	4.71E+00	3.61E-01	9.45E+00	1.83E+00	2.91E-04	5.16E-02	1.06E-02	1.90E+00
2299	495561.06	3859951.99	1.75E+00	2.50E-04	5.05E-02	1.05E-02	1.81E+00	1.82E+00	2.55E+00	4.61E+00	3.61E-01	9.35E+00	1.82E+00	2.92E-04	5.05E-02	1.05E-02	1.88E+00
2300	495611.06	3859951.99	1.74E+00	2.46E-04	5.12E-02	1.08E-02	1.80E+00	1.81E+00	2.51E+00	4.67E+00	3.70E-01	9.37E+00	1.81E+00	2.88E-04	5.12E-02	1.08E-02	1.87E+00
2301	495661.06	3859951.99	1.73E+00	2.41E-04	5.28E-02	1.13E-02	1.79E+00	1.80E+00	2.46E+00	4.81E+00	3.87E-01	9.46E+00	1.80E+00	2.81E-04	5.28E-02	1.13E-02	1.86E+00
2302	494311.06	3860001.99	1.91E+00	3.26E-04	4.00E-02	8.40E-03	1.95E+00	1.99E+00	3.33E+00	3.65E+00	2.87E-01	9.25E+00	1.98E+00	3.81E-04	4.00E-02	8.40E-03	2.03E+00
2303	494361.06	3860001.99	1.89E+00	3.23E-04	4.00E-02	8.46E-03	1.94E+00	1.97E+00	3.30E+00	3.65E+00	2.89E-01	9.21E+00	1.97E+00	3.78E-04	4.00E-02	8.46E-03	2.02E+00
2304	494411.06	3860001.99	1.87E+00	3.15E-04	4.06E-02	8.72E-03	1.92E+00	1.95E+00	3.22E+00	3.71E+00	2.98E-01	9.18E+00	1.95E+00	3.69E-04	4.06E-02	8.72E-03	2.00E+00
2305	494461.06	3860001.99	1.85E+00	3.15E-04	4.08E-02	8.67E-03	1.90E+00	1.93E+00	3.22E+00	3.72E+00	2.96E-01	9.17E+00	1.93E+00	3.69E-04	4.08E-02	8.67E-03	1.98E+00
2306	494511.06	3860001.99	1.84E+00	3.11E-04	4.15E-02	8.80E-03	1.89E+00	1.92E+00	3.17E+00	3.79E+00	3.01E-01	9.19E+00	1.92E+00	3.63E-04	4.15E-02	8.80E-03	1.97E+00
2307	494561.06	3860001.99	1.83E+00	3.25E-04	4.04E-02	8.14E-03	1.88E+00	1.91E+00	3.32E+00	3.68E+00	2.78E-01	9.19E+00	1.91E+00	3.80E-04	4.04E-02	8.14E-03	1.96E+00
2308	494611.06	3860001.99	1.82E+00	3.19E-04	4.08E-02	8.32E-03	1.87E+00	1.90E+00	3.26E+00	3.72E+00	2.85E-01	9.16E+00	1.90E+00	3.73E-04	4.08E-02	8.32E-03	1.95E+00
2309	494661.06	3860001.99	1.81E+00	3.18E-04	4.09E-02	8.29E-03	1.86E+00	1.89E+00	3.25E+00	3.73E+00	2.83E-01	9.15E+00	1.88E+00	3.72E-04	4.09E-02	8.29E-03	1.93E+00
2310	494711.06	3860001.99	1.88E+00	3.02E-04	4.29E-02	8.94E-03	1.93E+00	1.96E+00	3.08E+00	3.91E+00	3.06E-01	9.27E+00	1.96E+00	3.53E-04	4.29E-02	8.94E-03	2.01E+00
2311	494761.06	3860001.99	1.77E+00	3.08E-04	4.20E-02	8.58E-03	1.82E+00	1.85E+00	3.15E+00	3.83E+00	2.93E-01	9.12E+00	1.84E+00	3.61E-04	4.20E-02	8.58E-03	1.89E+00
2312	494811.06	3860001.99	1.75E+00	3.08E-04	4.19E-02	8.50E-03	1.80E+00	1.82E+00	3.15E+00	3.82E+00	2.91E-01	9.08E+00	1.82E+00	3.61E-04	4.19E-02	8.50E-03	1.87E+00
2313	494861.06	3860001.99	1.73E+00	3.10E-04	4.16E-02	8.37E-03	1.78E+00	1.80E+00	3.16E+00	3.79E+00	2.86E-01	9.04E+00	1.80E+00	3.62E-04	4.16E-02	8.37E-03	1.85E+00
2314	494911.06	3860001.99	1.81E+00	2.95E-04	4.33E-02	8.97E-03	1.86E+00	1.89E+00	3.01E+00	3.95E+00	3.07E-01	9.16E+00	1.88E+00	3.45E-04	4.33E-02	8.97E-03	1.93E+00

2315	494961.06	3860001.99	1.78E+00	2.96E-04	4.32E-02	8.88E-03	1.84E+00	1.86E+00	3.02E+00	3.94E+00	3.04E-01	9.12E+00	1.86E+00	3.46E-04	4.32E-02	8.88E-03	1.91E+00
2316	495011.06	3860001.99	1.79E+00	2.91E-04	4.39E-02	9.03E-03	1.84E+00	1.86E+00	2.97E+00	4.01E+00	3.09E-01	9.15E+00	1.86E+00	3.40E-04	4.39E-02	9.03E-03	1.91E+00
2317	495061.06	3860001.99	1.76E+00	2.92E-04	4.38E-02	8.93E-03	1.82E+00	1.84E+00	2.98E+00	4.00E+00	3.05E-01	9.12E+00	1.84E+00	3.41E-04	4.38E-02	8.93E-03	1.89E+00
2318	495111.06	3860001.99	1.77E+00	2.86E-04	4.47E-02	9.10E-03	1.83E+00	1.85E+00	2.92E+00	4.07E+00	3.11E-01	9.16E+00	1.85E+00	3.35E-04	4.47E-02	9.10E-03	1.90E+00
2319	495161.06	3860001.99	1.78E+00	2.81E-04	4.58E-02	9.27E-03	1.84E+00	1.86E+00	2.87E+00	4.18E+00	3.17E-01	9.23E+00	1.85E+00	3.29E-04	4.58E-02	9.27E-03	1.91E+00
2320	495211.06	3860001.99	1.77E+00	2.81E-04	4.54E-02	9.20E-03	1.82E+00	1.85E+00	2.87E+00	4.14E+00	3.15E-01	9.17E+00	1.84E+00	3.29E-04	4.54E-02	9.20E-03	1.90E+00
2321	495261.06	3860001.99	1.77E+00	2.76E-04	4.63E-02	9.34E-03	1.82E+00	1.85E+00	2.82E+00	4.22E+00	3.20E-01	9.21E+00	1.84E+00	3.23E-04	4.63E-02	9.34E-03	1.90E+00
2322	495311.06	3860001.99	1.76E+00	2.74E-04	4.64E-02	9.39E-03	1.82E+00	1.84E+00	2.80E+00	4.23E+00	3.21E-01	9.19E+00	1.83E+00	3.21E-04	4.64E-02	9.39E-03	1.89E+00
2323	495361.06	3860001.99	1.77E+00	2.65E-04	4.84E-02	9.74E-03	1.82E+00	1.84E+00	2.71E+00	4.41E+00	3.33E-01	9.30E+00	1.84E+00	3.10E-04	4.84E-02	9.74E-03	1.90E+00
2324	495411.06	3860001.99	1.75E+00	2.67E-04	4.73E-02	9.61E-03	1.80E+00	1.82E+00	2.72E+00	4.31E+00	3.28E-01	9.19E+00	1.82E+00	3.12E-04	4.73E-02	9.61E-03	1.88E+00
2325	495461.06	3860001.99	1.74E+00	2.63E-04	4.76E-02	9.71E-03	1.80E+00	1.81E+00	2.69E+00	4.34E+00	3.32E-01	9.17E+00	1.81E+00	3.08E-04	4.76E-02	9.71E-03	1.87E+00
2326	495511.06	3860001.99	1.74E+00	2.60E-04	4.78E-02	9.80E-03	1.79E+00	1.81E+00	2.65E+00	4.36E+00	3.35E-01	9.16E+00	1.81E+00	3.04E-04	4.78E-02	9.80E-03	1.87E+00
2327	495561.06	3860001.99	1.73E+00	2.59E-04	4.73E-02	9.76E-03	1.79E+00	1.80E+00	2.65E+00	4.31E+00	3.34E-01	9.10E+00	1.80E+00	3.03E-04	4.73E-02	9.76E-03	1.86E+00
2328	495611.06	3860001.99	1.73E+00	2.54E-04	4.84E-02	9.99E-03	1.79E+00	1.80E+00	2.59E+00	4.41E+00	3.42E-01	9.15E+00	1.80E+00	2.97E-04	4.84E-02	9.99E-03	1.86E+00
2329	495661.06	3860001.99	1.73E+00	2.48E-04	4.92E-02	1.02E-02	1.79E+00	1.80E+00	2.54E+00	4.49E+00	3.50E-01	9.18E+00	1.80E+00	2.91E-04	4.92E-02	1.02E-02	1.86E+00
2330	494411.06	3860051.99	1.88E+00	3.26E-04	3.93E-02	8.11E-03	1.93E+00	1.96E+00	3.33E+00	3.58E+00	2.77E-01	9.15E+00	1.96E+00	3.81E-04	3.93E-02	8.11E-03	2.01E+00
2331	494461.06	3860051.99	1.86E+00	3.22E-04	3.94E-02	8.18E-03	1.91E+00	1.95E+00	3.29E+00	3.59E+00	2.80E-01	9.11E+00	1.94E+00	3.77E-04	3.94E-02	8.18E-03	1.99E+00
2332	494511.06	3860051.99	1.85E+00	3.20E-04	3.93E-02	8.22E-03	1.89E+00	1.93E+00	3.27E+00	3.59E+00	2.81E-01	9.07E+00	1.92E+00	3.75E-04	3.93E-02	8.22E-03	1.97E+00
2333	494561.06	3860051.99	1.83E+00	3.29E-04	3.92E-02	7.87E-03	1.87E+00	1.91E+00	3.36E+00	3.57E+00	2.69E-01	9.11E+00	1.90E+00	3.85E-04	3.92E-02	7.87E-03	1.95E+00
2334	494611.06	3860051.99	1.82E+00	3.31E-04	3.92E-02	7.76E-03	1.87E+00	1.90E+00	3.38E+00	3.58E+00	2.66E-01	9.12E+00	1.89E+00	3.87E-04	3.92E-02	7.76E-03	1.94E+00
2335	494661.06	3860051.99	1.81E+00	3.30E-04	3.93E-02	7.73E-03	1.86E+00	1.89E+00	3.37E+00	3.59E+00	2.64E-01	9.11E+00	1.89E+00	3.86E-04	3.93E-02	7.73E-03	1.93E+00
2336	494711.06	3860051.99	1.80E+00	3.19E-04	3.98E-02	8.06E-03	1.85E+00	1.88E+00	3.26E+00	3.63E+00	2.76E-01	9.05E+00	1.87E+00	3.74E-04	3.98E-02	8.06E-03	1.92E+00
2337	494761.06	3860051.99	1.79E+00	3.20E-04	3.99E-02	7.99E-03	1.83E+00	1.86E+00	3.27E+00	3.64E+00	2.73E-01	9.04E+00	1.86E+00	3.74E-04	3.99E-02	7.99E-03	1.91E+00
2338	494811.06	3860051.99	1.77E+00	3.24E-04	3.96E-02	7.78E-03	1.82E+00	1.85E+00	3.31E+00	3.62E+00	2.66E-01	9.04E+00	1.84E+00	3.79E-04	3.96E-02	7.78E-03	1.89E+00
2339	494861.06	3860051.99	1.75E+00	3.27E-04	3.94E-02	7.62E-03	1.80E+00	1.83E+00	3.34E+00	3.60E+00	2.60E-01	9.02E+00	1.82E+00	3.83E-04	3.94E-02	7.62E-03	1.87E+00
2340	494911.06	3860051.99	1.73E+00	3.19E-04	3.97E-02	7.84E-03	1.78E+00	1.81E+00	3.26E+00	3.62E+00	2.68E-01	8.96E+00	1.80E+00	3.74E-04	3.97E-02	7.84E-03	1.85E+00
2341	494961.06	3860051.99	1.71E+00	3.11E-04	4.05E-02	8.10E-03	1.76E+00	1.78E+00	3.17E+00	3.69E+00	2.77E-01	8.93E+00	1.78E+00	3.64E-04	4.05E-02	8.10E-03	1.83E+00
2342	495011.06	3860051.99	1.69E+00	3.04E-04	4.11E-02	8.29E-03	1.74E+00	1.76E+00	3.11E+00	3.75E+00	2.84E-01	8.90E+00	1.76E+00	3.56E-04	4.11E-02	8.29E-03	1.81E+00
2343	495061.06	3860051.99	1.67E+00	3.00E-04	4.14E-02	8.39E-03	1.72E+00	1.75E+00	3.07E+00	3.77E+00	2.87E-01	8.87E+00	1.74E+00	3.51E-04	4.14E-02	8.39E-03	1.79E+00
2344	495111.06	3860051.99	1.66E+00	2.93E-04	4.21E-02	8.63E-03	1.71E+00	1.74E+00	3.00E+00	3.84E+00	2.95E-01	8.87E+00	1.73E+00	3.43E-04	4.21E-02	8.63E-03	1.78E+00
2345	495161.06	3860051.99	1.73E+00	2.90E-04	4.26E-02	8.72E-03	1.78E+00	1.81E+00	2.97E+00	3.89E+00	2.98E-01	8.96E+00	1.80E+00	3.40E-04	4.26E-02	8.72E-03	1.85E+00
2346	495211.06	3860051.99	1.74E+00	2.86E-04	4.33E-02	8.87E-03	1.79E+00	1.81E+00	2.92E+00	3.95E+00	3.03E-01	8.98E+00	1.81E+00	3.34E-04	4.33E-02	8.87E-03	1.86E+00
2347	495261.06	3860051.99	1.73E+00	2.84E-04	4.35E-02	8.88E-03	1.79E+00	1.81E+00	2.90E+00	3.96E+00	3.04E-01	8.98E+00	1.81E+00	3.33E-04	4.35E-02	8.88E-03	1.86E+00
2348	495311.06	3860051.99	1.73E+00	2.84E-04	4.34E-02	8.84E-03	1.78E+00	1.80E+00	2.90E+00	3.96E+00	3.02E-01	8.96E+00	1.80E+00	3.32E-04	4.34E-02	8.84E-03	1.85E+00
2349	495361.06	3860051.99	1.72E+00	2.82E-04	4.36E-02	8.87E-03	1.77E+00	1.80E+00	2.88E+00	3.97E+00	3.03E-01	8.95E+00	1.79E+00	3.29E-04	4.36E-02	8.87E-03	1.84E+00
2350	495411.06	3860051.99	1.72E+00	2.79E-04	4.38E-02	8.95E-03	1.77E+00	1.79E+00	2.85E+00	3.99E+00	3.06E-01	8.94E+00	1.79E+00	3.26E-04	4.38E-02	8.95E-03	1.84E+00
2351	495461.06	3860051.99	1.71E+00	2.75E-04	4.45E-02	9.08E-03	1.77E+00	1.79E+00	2.80E+00	4.06E+00	3.10E-01	8.96E+00	1.78E+00	3.21E-04	4.45E-02	9.08E-03	1.84E+00
2352	495511.06	3860051.99	1.70E+00	2.73E-04	4.44E-02	9.08E-03	1.76E+00	1.78E+00	2.79E+00	4.05E+00	3.11E-01	8.92E+00	1.77E+00	3.19E-04	4.44E-02	9.08E-03	1.83E+00
2353	495561.06	3860051.99	1.70E+00	2.70E-04	4.46E-02	9.17E-03	1.75E+00	1.77E+00	2.76E+00	4.07E+00	3.14E-01	8.91E+00	1.77E+00	3.16E-04	4.46E-02	9.17E-03	1.82E+00
2354	495611.06	3860051.99	1.69E+00	2.66E-04	4.52E-02	9.32E-03	1.75E+00	1.77E+00	2.71E+00	4.12E+00	3.19E-01	8.92E+00	1.77E+00	3.11E-04	4.52E-02	9.32E-03	1.82E+00
2355	495661.06	3860051.99	1.70E+00	2.59E-04	4.64E-02	9.60E-03	1.76E+00	1.78E+00	2.65E+00	4.23E+00	3.28E-01	8.98E+00	1.77E+00	3.03E-04	4.64E-02	9.60E-03	1.83E+00
2356	494411.06	3860101.99	1.88E+00	3.30E-04	3.96E-02	7.87E-03	1.92E+00	1.96E+00	3.37E+00	3.61E+00	2.69E-01	9.21E+00	1.95E+00	3.86E-04	3.96E-02	7.87E-03	2.00E+00
2357	494461.06	3860101.99	1.87E+00	3.36E-04	3.91E-02	7.59E-03	1.91E+00	1.95E+00	3.43E+00	3.57E+00	2.59E-01	9.21E+00	1.94E+00	3.93E-04	3.91E-02	7.59E-03	1.99E+00
2358	494511.06	3860101.99	1.86E+00	3.28E-04	3.88E-02	7.82E-03	1.90E+00	1.94E+00	3.35E+00	3.54E+00	2.67E-01	9.09E+00	1.93E+00	3.83E-04	3.88E-02	7.82E-03	1.98E+00
2359	494561.06	3860101.99	1.84E+00	3.30E-04	3.85E-02	7.67E-03	1.89E+00	1.92E+00	3.37E+00	3.51E+00	2.62E-01	9.07E+00	1.92E+00	3.86E-04	3.85E-02	7.67E-03	1.96E+00
2360	494611.06	3860101.99	1.82E+00	3.37E-04	3.82E-02	7.45E-03	1.87E+00	1.90E+00	3.44E+00	3.48E+00	2.55E-01	9.08E+00	1.90E+00	3.94E-04	3.82E-02	7.45E-03	1.95E+00
2361	494661.06	3860101.99	1.80E+00	3.38E-04	3.80E-02	7.40E-03	1.85E+00	1.88E+00	3.45E+00	3.47E+00	2.53E-01	9.05E+00	1.88E+00	3.95E-04	3.80E-02	7.40E-03	1.92E+00
2362	494711.06	3860101.99	1.79E+00	3.29E-04	3.84E-02	7.49E-03	1.84E+00	1.87E+00	3.37E+00	3.50E+00	2.56E-01	8.99E+00	1.87E+00	3.85E-04	3.84E-02	7.49E-03	1.91E+00
2363	494761.06	3860101.99	1.79E+00	3.30E-04	3.85E-02	7.45E-03	1.83E+00	1.86E+00	3.37E+00	3.51E+00	2.55E-01	9.00E+00	1.86E+00	3.86E-04	3.85E-02	7.45E-03	1.91E+00
2364	494811.06	3860101.99	1.78E+00	3.30E-04	3.86E-02	7.40E-03	1.82E+00	1.85E+00	3.38E+00	3.52E+00	2.53E-01	9.00E+00	1.85E+00	3.87E-04	3.86E-02	7.40E-03	1.90E+00
2365	494861.06	3860101.99	1.76E+00	3.42E-04	3.82E-02	7.31E-03	1.81E+00	1.84E+00	3.50E+00	3.48E+00	2.50E-01	9.07E+00	1.83E+00	4.00E-04	3.82E-02	7.31E-03	1.88E+00
2366	494911.06	3860101.99	1.75E+00	3.22E-04	3.90E-02	7.57E-03	1.80E+00	1.82E+00	3.29E+00	3.55E+00	2.59E-01	8.93E+00	1.82E+00	3.77E-04	3.90E-02	7.57E-03	1.87E+00
2367	494961.06	3860101.99	1.73E+00	3.21E-04	3.90E-02	7.57E-03	1.78E+00	1.81E+00	3.28E+00	3.56E+00	2.59E-01	8.91E+00	1.80E+00	3.76E-04	3.90E-02	7.57E-03	1.85E+00
2368	495011.06	3860101.99	1.71E+00	3.16E-04	3.93E-02	7.74E-03	1.76E+00	1.79E+00	3.22E+00	3.59E+00	2.65E-01	8.86E+00	1.78E+00	3.69E-04	3.93E-02	7.74E-03	1.83E+00
2369	495061.06	3860101.99	1.69E+00	3.11E-04	3.98E-02	7.88E-03	1.74E+00	1.77E+00	3.17E+00	3.63E+00	2.70E-01	8.84E+00	1.76E+00	3.64E-04	3.98E-02	7.88E-03	1.81E+00
2370	495111.06	3860101.99	1.67E+00	3.03E-04	4.05E-02	8.14E-03	1.72E+00	1.75E+00	3.09E+00	3.69E+00	2.79E-01	8.81E+00	1.74E+00	3.54E-04	4.05E-02	8.14E-03	1.79E+00
2371	495161.06	3860101.99	1.66E+00	3.02E-04	4.05E-02	8.12E-03	1.71E+00	1.73E+00	3.09E+00	3.69E+00	2.78E-01	8.78E+00	1.73E+00	3.54E-04	4.05E-02	8.12E-03	1.77E+00
2372	495211.06	3860101.99	1.64E+00	2.99E-04	4.07E-02	8.19E-03	1.69E+00	1.72E+00	3.05E+00	3.71E+00	2.80E-01	8.76E+00	1.71E+00	3.50E-04	4.07E-02	8.19E-03	1.76E+00
2373	495261.06	3860101.99	1.63E+00	2.95E-04	4.09E-02	8.28E-03	1.68E+00	1.70E+00	3.02E+00	3.73E+00	2.83E-01	8.74E+00	1.70E+00	3.46E-04	4.09E-02	8.28E-03	1.75E+00
2374	495311.06	3860101.99	1.62E+00	2.93E-04	4.12E-02	8.32E-03	1.67E+00	1.69E+00	2.99E+00	3.76E+00	2.85E-01	8.73E+00	1.69E+00	3.43E-04	4.12E-02	8.32E-03	1.74E+00
2375	495361.06	3860101.99	1.62E+00	2.93E-04	4.13E-02	8.26E-03	1.67E+00	1.69E+00	2.99E+00	3.77E+00	2.83E-01	8.74E+00	1.69E+00	3.43E-04	4.13E-02	8.26E-03	1.74E+00

2376	495411.06	3860101.99	1.61E+00	2.89E-04	4.18E-02	8.36E-03	1.66E+00	1.68E+00	2.96E+00	3.81E+00	2.86E-01	8.73E+00	1.68E+00	3.38E-04	4.18E-02	8.36E-03	1.73E+00
2377	495461.06	3860101.99	1.69E+00	2.81E-04	4.26E-02	8.62E-03	1.74E+00	1.76E+00	2.88E+00	3.89E+00	2.95E-01	8.82E+00	1.76E+00	3.29E-04	4.26E-02	8.62E-03	1.81E+00
2378	495511.06	3860101.99	1.67E+00	2.81E-04	4.25E-02	8.56E-03	1.73E+00	1.75E+00	2.87E+00	3.88E+00	2.93E-01	8.79E+00	1.74E+00	3.29E-04	4.25E-02	8.56E-03	1.79E+00
2379	495561.06	3860101.99	1.66E+00	2.81E-04	4.24E-02	8.52E-03	1.71E+00	1.73E+00	2.87E+00	3.87E+00	2.91E-01	8.76E+00	1.73E+00	3.29E-04	4.24E-02	8.52E-03	1.78E+00
2380	495611.06	3860101.99	1.67E+00	2.73E-04	4.31E-02	8.78E-03	1.72E+00	1.74E+00	2.79E+00	3.93E+00	3.00E-01	8.77E+00	1.74E+00	3.20E-04	4.31E-02	8.78E-03	1.79E+00
2381	495661.06	3860101.99	1.67E+00	2.70E-04	4.32E-02	8.86E-03	1.72E+00	1.74E+00	2.76E+00	3.94E+00	3.03E-01	8.74E+00	1.73E+00	3.16E-04	4.32E-02	8.86E-03	1.79E+00
2382	494861.06	3860151.99	1.76E+00	3.55E-04	3.71E-02	7.29E-03	1.80E+00	1.83E+00	3.62E+00	3.38E+00	2.49E-01	9.09E+00	1.83E+00	4.15E-04	3.71E-02	7.29E-03	1.87E+00
2383	494911.06	3860151.99	1.75E+00	3.35E-04	3.77E-02	7.27E-03	1.80E+00	1.83E+00	3.42E+00	3.43E+00	2.48E-01	8.93E+00	1.83E+00	3.92E-04	3.77E-02	7.27E-03	1.87E+00
2384	494961.06	3860151.99	1.74E+00	3.30E-04	3.79E-02	7.25E-03	1.79E+00	1.82E+00	3.38E+00	3.46E+00	2.48E-01	8.90E+00	1.81E+00	3.87E-04	3.79E-02	7.25E-03	1.86E+00
2385	495011.06	3860151.99	1.73E+00	3.25E-04	3.81E-02	7.23E-03	1.77E+00	1.80E+00	3.32E+00	3.48E+00	2.47E-01	8.85E+00	1.80E+00	3.80E-04	3.81E-02	7.23E-03	1.85E+00
2386	495061.06	3860151.99	1.71E+00	3.19E-04	3.84E-02	7.31E-03	1.76E+00	1.79E+00	3.26E+00	3.50E+00	2.50E-01	8.79E+00	1.78E+00	3.73E-04	3.84E-02	7.31E-03	1.83E+00
2387	495111.06	3860151.99	1.69E+00	3.16E-04	3.85E-02	7.39E-03	1.74E+00	1.77E+00	3.22E+00	3.51E+00	2.53E-01	8.76E+00	1.76E+00	3.69E-04	3.85E-02	7.39E-03	1.81E+00
2388	495161.06	3860151.99	1.67E+00	3.14E-04	3.86E-02	7.44E-03	1.72E+00	1.75E+00	3.20E+00	3.52E+00	2.54E-01	8.72E+00	1.74E+00	3.67E-04	3.86E-02	7.44E-03	1.79E+00
2389	495211.06	3860151.99	1.66E+00	3.10E-04	3.89E-02	7.54E-03	1.70E+00	1.73E+00	3.17E+00	3.55E+00	2.58E-01	8.70E+00	1.73E+00	3.63E-04	3.89E-02	7.54E-03	1.77E+00
2390	495261.06	3860151.99	1.64E+00	3.08E-04	3.90E-02	7.57E-03	1.69E+00	1.71E+00	3.15E+00	3.56E+00	2.59E-01	8.68E+00	1.71E+00	3.61E-04	3.90E-02	7.57E-03	1.75E+00
2391	495311.06	3860151.99	1.63E+00	3.06E-04	3.91E-02	7.61E-03	1.67E+00	1.70E+00	3.13E+00	3.57E+00	2.60E-01	8.65E+00	1.69E+00	3.58E-04	3.91E-02	7.61E-03	1.74E+00
2392	495361.06	3860151.99	1.62E+00	3.05E-04	3.92E-02	7.63E-03	1.66E+00	1.69E+00	3.11E+00	3.58E+00	2.61E-01	8.64E+00	1.68E+00	3.57E-04	3.92E-02	7.63E-03	1.73E+00
2393	495411.06	3860151.99	1.60E+00	3.02E-04	3.94E-02	7.71E-03	1.65E+00	1.67E+00	3.08E+00	3.60E+00	2.64E-01	8.61E+00	1.67E+00	3.53E-04	3.94E-02	7.71E-03	1.72E+00
2394	495461.06	3860151.99	1.60E+00	2.99E-04	3.97E-02	7.78E-03	1.65E+00	1.67E+00	3.06E+00	3.62E+00	2.66E-01	8.61E+00	1.66E+00	3.50E-04	3.97E-02	7.78E-03	1.71E+00
2395	495511.06	3860151.99	1.59E+00	2.95E-04	4.03E-02	7.92E-03	1.64E+00	1.66E+00	3.01E+00	3.67E+00	2.71E-01	8.62E+00	1.66E+00	3.45E-04	4.03E-02	7.92E-03	1.71E+00
2396	495561.06	3860151.99	1.59E+00	2.93E-04	4.06E-02	7.94E-03	1.64E+00	1.66E+00	2.99E+00	3.70E+00	2.72E-01	8.62E+00	1.65E+00	3.43E-04	4.06E-02	7.94E-03	1.70E+00
2397	495611.06	3860151.99	1.58E+00	2.89E-04	4.10E-02	8.07E-03	1.63E+00	1.65E+00	2.95E+00	3.74E+00	2.76E-01	8.61E+00	1.64E+00	3.38E-04	4.10E-02	8.07E-03	1.69E+00
2398	495661.06	3860151.99	1.57E+00	2.83E-04	4.16E-02	8.25E-03	1.62E+00	1.63E+00	2.89E+00	3.79E+00	2.82E-01	8.60E+00	1.63E+00	3.31E-04	4.16E-02	8.25E-03	1.68E+00
2399	495718.25	3859442.96	1.35E+00	1.27E-04	7.25E-02	1.22E-02	1.43E+00	1.41E+00	1.29E+00	6.61E+00	4.17E-01	9.73E+00	1.41E+00	1.48E-04	7.25E-02	1.22E-02	1.49E+00
2400	495818.25	3859442.96	1.29E+00	1.27E-04	7.13E-02	1.15E-02	1.38E+00	1.35E+00	1.30E+00	6.50E+00	3.94E-01	9.54E+00	1.35E+00	1.48E-04	7.13E-02	1.15E-02	1.43E+00
2401	495918.25	3859442.96	1.26E+00	1.27E-04	7.01E-02	1.10E-02	1.34E+00	1.32E+00	1.30E+00	6.39E+00	3.77E-01	9.39E+00	1.31E+00	1.49E-04	7.01E-02	1.10E-02	1.40E+00
2402	496018.25	3859442.96	1.24E+00	1.28E-04	6.90E-02	1.06E-02	1.32E+00	1.29E+00	1.31E+00	6.29E+00	3.63E-01	9.25E+00	1.29E+00	1.50E-04	6.90E-02	1.06E-02	1.37E+00
2403	496118.25	3859442.96	1.26E+00	1.28E-04	6.87E-02	1.09E-02	1.34E+00	1.31E+00	1.31E+00	6.27E+00	3.73E-01	9.26E+00	1.31E+00	1.50E-04	6.87E-02	1.09E-02	1.39E+00
2404	496218.25	3859442.96	1.26E+00	1.29E-04	6.81E-02	1.10E-02	1.34E+00	1.32E+00	1.32E+00	6.21E+00	3.77E-01	9.22E+00	1.32E+00	1.51E-04	6.81E-02	1.10E-02	1.39E+00
2405	496318.25	3859442.96	1.24E+00	1.30E-04	6.70E-02	1.07E-02	1.32E+00	1.29E+00	1.32E+00	6.11E+00	3.65E-01	9.09E+00	1.29E+00	1.52E-04	6.70E-02	1.07E-02	1.37E+00
2406	496418.25	3859442.96	1.21E+00	1.30E-04	6.58E-02	1.03E-02	1.29E+00	1.27E+00	1.32E+00	6.00E+00	3.53E-01	8.95E+00	1.26E+00	1.52E-04	6.58E-02	1.03E-02	1.34E+00
2407	495718.25	3859542.96	1.52E+00	1.34E-04	7.60E-02	1.44E-02	1.61E+00	1.58E+00	1.37E+00	6.93E+00	4.92E-01	1.04E+01	1.58E+00	1.57E-04	7.60E-02	1.44E-02	1.67E+00
2408	495818.25	3859542.96	1.47E+00	1.33E-04	7.46E-02	1.40E-02	1.56E+00	1.54E+00	1.36E+00	6.80E+00	4.80E-01	1.02E+01	1.53E+00	1.55E-04	7.46E-02	1.40E-02	1.62E+00
2409	495918.25	3859542.96	1.42E+00	1.31E-04	7.31E-02	1.36E-02	1.51E+00	1.48E+00	1.34E+00	6.67E+00	4.64E-01	9.95E+00	1.48E+00	1.53E-04	7.31E-02	1.36E-02	1.56E+00
2410	496018.25	3859542.96	1.37E+00	1.30E-04	7.13E-02	1.31E-02	1.46E+00	1.43E+00	1.33E+00	6.51E+00	4.48E-01	9.72E+00	1.43E+00	1.53E-04	7.13E-02	1.31E-02	1.51E+00
2411	496118.25	3859542.96	1.37E+00	1.34E-04	6.95E-02	1.33E-02	1.45E+00	1.43E+00	1.37E+00	6.34E+00	4.54E-01	9.59E+00	1.43E+00	1.57E-04	6.95E-02	1.33E-02	1.51E+00
2412	496218.25	3859542.96	1.37E+00	1.36E-04	6.81E-02	1.32E-02	1.45E+00	1.43E+00	1.39E+00	6.21E+00	4.52E-01	9.48E+00	1.43E+00	1.60E-04	6.81E-02	1.32E-02	1.51E+00
2413	496318.25	3859542.96	1.36E+00	1.38E-04	6.72E-02	1.30E-02	1.44E+00	1.42E+00	1.41E+00	6.13E+00	4.46E-01	9.41E+00	1.42E+00	1.62E-04	6.72E-02	1.30E-02	1.50E+00
2414	496418.25	3859542.96	1.33E+00	1.37E-04	6.68E-02	1.26E-02	1.41E+00	1.39E+00	1.40E+00	6.09E+00	4.31E-01	9.30E+00	1.38E+00	1.60E-04	6.68E-02	1.26E-02	1.46E+00
2415	495718.25	3859642.96	1.64E+00	1.50E-04	7.42E-02	1.54E-02	1.73E+00	1.71E+00	1.54E+00	6.77E+00	5.28E-01	1.05E+01	1.70E+00	1.76E-04	7.42E-02	1.54E-02	1.79E+00
2416	495818.25	3859642.96	1.60E+00	1.47E-04	7.40E-02	1.53E-02	1.69E+00	1.67E+00	1.50E+00	6.74E+00	5.23E-01	1.04E+01	1.66E+00	1.72E-04	7.40E-02	1.53E-02	1.75E+00
2417	495918.25	3859642.96	1.57E+00	1.46E-04	7.32E-02	1.51E-02	1.65E+00	1.63E+00	1.49E+00	6.68E+00	5.17E-01	1.03E+01	1.63E+00	1.70E-04	7.32E-02	1.51E-02	1.72E+00
2418	496018.25	3859642.96	1.52E+00	1.43E-04	7.28E-02	1.49E-02	1.61E+00	1.59E+00	1.46E+00	6.64E+00	5.09E-01	1.02E+01	1.59E+00	1.67E-04	7.28E-02	1.49E-02	1.67E+00
2419	496118.25	3859642.96	1.51E+00	1.51E-04	7.02E-02	1.49E-02	1.60E+00	1.58E+00	1.54E+00	6.40E+00	5.09E-01	1.00E+01	1.58E+00	1.76E-04	7.02E-02	1.49E-02	1.66E+00
2420	496218.25	3859642.96	1.49E+00	1.56E-04	6.78E-02	1.47E-02	1.58E+00	1.56E+00	1.59E+00	6.18E+00	5.04E-01	9.84E+00	1.55E+00	1.83E-04	6.78E-02	1.47E-02	1.64E+00
2421	496318.25	3859642.96	1.45E+00	1.54E-04	6.69E-02	1.45E-02	1.53E+00	1.52E+00	1.57E+00	6.10E+00	4.97E-01	9.69E+00	1.51E+00	1.80E-04	6.69E-02	1.45E-02	1.59E+00
2422	496418.25	3859642.96	1.36E+00	1.38E-04	6.83E-02	1.38E-02	1.45E+00	1.42E+00	1.41E+00	6.23E+00	4.71E-01	9.53E+00	1.42E+00	1.62E-04	6.83E-02	1.38E-02	1.50E+00
2423	495718.25	3859742.96	1.71E+00	1.73E-04	6.59E-02	1.52E-02	1.79E+00	1.78E+00	1.77E+00	6.01E+00	5.20E-01	1.01E+01	1.78E+00	2.03E-04	6.59E-02	1.52E-02	1.86E+00
2424	495818.25	3859742.96	1.68E+00	1.67E-04	6.79E-02	1.54E-02	1.77E+00	1.76E+00	1.71E+00	6.19E+00	5.28E-01	1.02E+01	1.75E+00	1.96E-04	6.79E-02	1.54E-02	1.84E+00
2425	495918.25	3859742.96	1.66E+00	1.65E-04	6.87E-02	1.55E-02	1.75E+00	1.73E+00	1.68E+00	6.27E+00	5.30E-01	1.02E+01	1.73E+00	1.93E-04	6.87E-02	1.55E-02	1.81E+00
2426	496018.25	3859742.96	1.63E+00	1.61E-04	6.94E-02	1.55E-02	1.72E+00	1.70E+00	1.65E+00	6.33E+00	5.31E-01	1.02E+01	1.70E+00	1.89E-04	6.94E-02	1.55E-02	1.78E+00
2427	496118.25	3859742.96	1.62E+00	1.69E-04	6.72E-02	1.53E-02	1.70E+00	1.69E+00	1.72E+00	6.12E+00	5.24E-01	1.01E+01	1.69E+00	1.97E-04	6.72E-02	1.53E-02	1.77E+00
2428	496218.25	3859742.96	1.60E+00	1.79E-04	6.39E-02	1.49E-02	1.68E+00	1.67E+00	1.82E+00	5.83E+00	5.10E-01	9.84E+00	1.67E+00	2.09E-04	6.39E-02	1.49E-02	1.75E+00
2429	496318.25	3859742.96	1.54E+00	1.62E-04	6.72E-02	1.52E-02	1.62E+00	1.61E+00	1.66E+00	6.13E+00	5.21E-01	9.92E+00	1.61E+00	1.90E-04	6.72E-02	1.52E-02	1.69E+00
2430	496418.25	3859742.96	1.47E+00	1.48E-04	6.93E-02	1.56E-02	1.56E+00	1.54E+00	1.51E+00	6.32E+00	5.35E-01	9.90E+00	1.53E+00	1.73E-04	6.93E-02	1.56E-02	1.62E+00
2431	495718.25	3859842.96	1.71E+00	2.22E-04	5.92E-02	1.38E-02	1.79E+00	1.79E+00	2.26E+00	5.40E+00	4.71E-01	9.92E+00	1.78E+00	2.59E-04	5.92E-02	1.38E-02	1.86E+00
2432	495818.25	3859842.96	1.71E+00	2.17E-04	5.94E-02	1.41E-02	1.78E+00	1.78E+00	2.22E+00	5.41E+00	4.84E-01	9.89E+00	1.78E+00	2.54E-04	5.94E-02	1.41E-02	1.85E+00
2433	495918.25	3859842.96	1.69E+00	2.12E-04	5.98E-02	1.45E-02	1.77E+00	1.77E+00	2.16E+00	5.45E+00	4.97E-01	9.88E+00	1.76E+00	2.48E-04	5.98E-02	1.45E-02	1.84E+00
2434	496018.25	3859842.96	1.69E+00	2.11E-04	5.93E-02	1.46E-02	1.76E+00	1.76E+00	2.16E+00	5.41E+00	4.99E-01	9.83E+00	1.76E+00	2.47E-04	5.93E-02	1.46E-02	1.83E+00
2435	496118.25	3859842.96	1.68E+00	2.23E-04	5.55E-02	1.38E-02	1.75E+00	1.75E+00	2.28E+00	5.06E+00	4.71E-01	9.56E+00	1.75E+00	2.61E-04	5.55E-02	1.38E-02	1.82E+00
2436	496218.25	3859842.96	1.65E+00	1.82E-04	6.07E-02	1.49E-02	1.73E+00	1.72E+00	1.86E+00	5.54E+00	5.10E-01	9.63E+00	1.72E+00	2.13E-04	6.07E-02	1.49E-02	1.80E+00

2437	496318.25	3859842.96	1.57E+00	1.51E-04	6.93E-02	1.56E-02	1.65E+00	1.63E+00	1.54E+00	6.32E+00	5.34E-01	1.00E+01	1.63E+00	1.77E-04	6.93E-02	1.56E-02	1.72E+00
2438	496418.25	3859842.96	1.48E+00	1.36E-04	7.13E-02	1.49E-02	1.57E+00	1.54E+00	1.39E+00	6.50E+00	5.09E-01	9.94E+00	1.54E+00	1.59E-04	7.13E-02	1.49E-02	1.63E+00
2439	495718.25	3859942.96	1.71E+00	2.38E-04	5.29E-02	1.17E-02	1.77E+00	1.78E+00	2.43E+00	4.82E+00	4.00E-01	9.44E+00	1.78E+00	2.79E-04	5.29E-02	1.17E-02	1.84E+00
2440	495818.25	3859942.96	1.68E+00	2.32E-04	5.37E-02	1.23E-02	1.74E+00	1.75E+00	2.37E+00	4.90E+00	4.20E-01	9.44E+00	1.75E+00	2.71E-04	5.37E-02	1.23E-02	1.81E+00
2441	495918.25	3859942.96	1.67E+00	2.30E-04	5.27E-02	1.26E-02	1.74E+00	1.75E+00	2.35E+00	4.81E+00	4.30E-01	9.33E+00	1.74E+00	2.69E-04	5.27E-02	1.26E-02	1.81E+00
2442	496018.25	3859942.96	1.66E+00	2.38E-04	4.94E-02	1.20E-02	1.73E+00	1.74E+00	2.43E+00	4.51E+00	4.10E-01	9.08E+00	1.73E+00	2.78E-04	4.94E-02	1.20E-02	1.79E+00
2443	496118.25	3859942.96	1.67E+00	2.23E-04	5.27E-02	1.32E-02	1.73E+00	1.74E+00	2.28E+00	4.80E+00	4.53E-01	9.28E+00	1.74E+00	2.61E-04	5.27E-02	1.32E-02	1.80E+00
2444	496218.25	3859942.96	1.65E+00	1.76E-04	6.26E-02	1.50E-02	1.73E+00	1.72E+00	1.80E+00	5.71E+00	5.12E-01	9.74E+00	1.72E+00	2.06E-04	6.26E-02	1.50E-02	1.80E+00
2445	496318.25	3859942.96	1.61E+00	1.58E-04	7.12E-02	1.58E-02	1.70E+00	1.68E+00	1.61E+00	6.49E+00	5.39E-01	1.03E+01	1.67E+00	1.85E-04	7.12E-02	1.58E-02	1.76E+00
2446	496418.25	3859942.96	1.51E+00	1.34E-04	7.71E-02	1.52E-02	1.60E+00	1.58E+00	1.37E+00	7.03E+00	5.20E-01	1.05E+01	1.57E+00	1.57E-04	7.71E-02	1.52E-02	1.67E+00
2447	496856.82	3858864.83	6.47E-01	1.21E-04	4.01E-02	6.19E-03	6.94E-01	6.76E-01	1.23E+00	3.66E+00	2.12E-01	5.78E+00	6.74E-01	1.41E-04	4.01E-02	6.19E-03	7.21E-01
2448	496956.82	3858864.83	6.40E-01	1.20E-04	3.80E-02	6.15E-03	6.84E-01	6.68E-01	1.23E+00	3.47E+00	2.10E-01	5.57E+00	6.66E-01	1.41E-04	3.80E-02	6.15E-03	7.11E-01
2449	497056.82	3858864.83	6.36E-01	1.20E-04	3.71E-02	6.13E-03	6.79E-01	6.63E-01	1.23E+00	3.38E+00	2.10E-01	5.48E+00	6.62E-01	1.40E-04	3.71E-02	6.13E-03	7.06E-01
2450	497156.82	3858864.83	6.26E-01	1.20E-04	3.62E-02	6.11E-03	6.68E-01	6.53E-01	1.22E+00	3.31E+00	2.09E-01	5.39E+00	6.52E-01	1.40E-04	3.62E-02	6.11E-03	6.94E-01
2451	497256.82	3858864.83	6.34E-01	1.19E-04	3.58E-02	6.09E-03	6.76E-01	6.62E-01	1.22E+00	3.27E+00	2.08E-01	5.35E+00	6.60E-01	1.39E-04	3.58E-02	6.09E-03	7.02E-01
2452	496856.82	3858964.83	7.04E-01	1.16E-04	4.78E-02	6.24E-03	7.58E-01	7.35E-01	1.19E+00	4.36E+00	2.13E-01	6.49E+00	7.33E-01	1.36E-04	4.78E-02	6.24E-03	7.87E-01
2453	496956.82	3858964.83	6.85E-01	1.16E-04	4.49E-02	6.17E-03	7.36E-01	7.15E-01	1.18E+00	4.10E+00	2.11E-01	6.21E+00	7.13E-01	1.35E-04	4.49E-02	6.17E-03	7.64E-01
2454	497056.82	3858964.83	6.74E-01	1.15E-04	4.31E-02	6.11E-03	7.24E-01	7.04E-01	1.18E+00	3.93E+00	2.09E-01	6.01E+00	7.02E-01	1.35E-04	4.31E-02	6.11E-03	7.51E-01
2455	497156.82	3858964.83	6.62E-01	1.14E-04	4.13E-02	6.06E-03	7.10E-01	6.91E-01	1.17E+00	3.77E+00	2.07E-01	5.84E+00	6.90E-01	1.34E-04	4.13E-02	6.06E-03	7.37E-01
2456	497256.82	3858964.83	6.94E-01	1.14E-04	4.25E-02	6.05E-03	7.42E-01	7.24E-01	1.16E+00	3.88E+00	2.07E-01	5.98E+00	7.22E-01	1.33E-04	4.25E-02	6.05E-03	7.71E-01
2457	496856.82	3859064.83	7.31E-01	1.14E-04	5.48E-02	6.27E-03	7.92E-01	7.63E-01	1.17E+00	5.00E+00	2.14E-01	7.14E+00	7.61E-01	1.34E-04	5.48E-02	6.27E-03	8.23E-01
2458	496956.82	3859064.83	7.19E-01	1.14E-04	5.27E-02	6.23E-03	7.78E-01	7.50E-01	1.16E+00	4.80E+00	2.13E-01	6.93E+00	7.49E-01	1.33E-04	5.27E-02	6.23E-03	8.08E-01
2459	497056.82	3859064.83	7.13E-01	1.13E-04	5.11E-02	6.19E-03	7.71E-01	7.44E-01	1.16E+00	4.66E+00	2.12E-01	6.77E+00	7.43E-01	1.32E-04	5.11E-02	6.19E-03	8.00E-01
2460	497156.82	3859064.83	7.10E-01	1.13E-04	4.98E-02	6.15E-03	7.67E-01	7.41E-01	1.15E+00	4.54E+00	2.10E-01	6.65E+00	7.40E-01	1.32E-04	4.98E-02	6.15E-03	7.96E-01
2461	497256.82	3859064.83	7.57E-01	1.12E-04	5.35E-02	6.19E-03	8.17E-01	7.90E-01	1.15E+00	4.88E+00	2.12E-01	7.03E+00	7.88E-01	1.31E-04	5.35E-02	6.19E-03	8.48E-01
2462	496856.82	3859164.83	7.63E-01	1.11E-04	5.72E-02	6.28E-03	8.26E-01	7.96E-01	1.14E+00	5.22E+00	2.15E-01	7.37E+00	7.94E-01	1.30E-04	5.72E-02	6.28E-03	8.58E-01
2463	496956.82	3859164.83	7.36E-01	1.11E-04	5.49E-02	6.24E-03	7.97E-01	7.68E-01	1.13E+00	5.01E+00	2.13E-01	7.12E+00	7.66E-01	1.30E-04	5.49E-02	6.24E-03	8.28E-01
2464	497056.82	3859164.83	7.34E-01	1.11E-04	5.48E-02	6.22E-03	7.95E-01	7.66E-01	1.13E+00	4.99E+00	2.13E-01	7.10E+00	7.64E-01	1.29E-04	5.48E-02	6.22E-03	8.25E-01
2465	497156.82	3859164.83	7.61E-01	1.10E-04	5.70E-02	6.24E-03	8.24E-01	7.94E-01	1.13E+00	5.20E+00	2.13E-01	7.33E+00	7.92E-01	1.29E-04	5.70E-02	6.24E-03	8.56E-01
2466	497256.82	3859164.83	8.27E-01	1.10E-04	6.23E-02	6.35E-03	8.96E-01	8.63E-01	1.12E+00	5.68E+00	2.17E-01	7.89E+00	8.61E-01	1.29E-04	6.23E-02	6.35E-03	9.30E-01
2467	496856.82	3859264.83	7.93E-01	1.10E-04	5.68E-02	6.33E-03	8.56E-01	8.27E-01	1.13E+00	5.18E+00	2.17E-01	7.35E+00	8.25E-01	1.29E-04	5.68E-02	6.33E-03	8.89E-01
2468	496956.82	3859264.83	8.00E-01	1.10E-04	5.76E-02	6.35E-03	8.64E-01	8.34E-01	1.12E+00	5.25E+00	2.17E-01	7.43E+00	8.33E-01	1.29E-04	5.76E-02	6.35E-03	8.97E-01
2469	497056.82	3859264.83	8.31E-01	1.10E-04	6.01E-02	6.42E-03	8.98E-01	8.67E-01	1.12E+00	5.48E+00	2.19E-01	7.69E+00	8.66E-01	1.28E-04	6.01E-02	6.42E-03	9.32E-01
2470	497156.82	3859264.83	8.58E-01	1.10E-04	6.21E-02	6.54E-03	9.26E-01	8.95E-01	1.12E+00	5.67E+00	2.24E-01	7.90E+00	8.93E-01	1.28E-04	6.21E-02	6.54E-03	9.62E-01
2471	497256.82	3859264.83	9.08E-01	1.09E-04	6.63E-02	6.80E-03	9.81E-01	9.47E-01	1.12E+00	6.05E+00	2.33E-01	8.34E+00	9.45E-01	1.28E-04	6.63E-02	6.80E-03	1.02E+00
2472	497088.92	3858620.93	5.00E-01	1.26E-04	3.12E-02	5.82E-03	5.37E-01	5.21E-01	1.28E+00	2.84E+00	1.99E-01	4.85E+00	5.20E-01	1.47E-04	3.12E-02	5.82E-03	5.57E-01
2473	497138.92	3858620.93	5.01E-01	1.26E-04	3.11E-02	5.81E-03	5.38E-01	5.23E-01	1.28E+00	2.84E+00	1.99E-01	4.84E+00	5.22E-01	1.47E-04	3.11E-02	5.81E-03	5.59E-01
2474	497188.92	3858620.93	5.01E-01	1.25E-04	3.09E-02	5.79E-03	5.37E-01	5.22E-01	1.28E+00	2.81E+00	1.98E-01	4.82E+00	5.21E-01	1.47E-04	3.09E-02	5.79E-03	5.58E-01
2475	497238.92	3858620.93	5.01E-01	1.25E-04	3.08E-02	5.78E-03	5.38E-01	5.23E-01	1.28E+00	2.81E+00	1.98E-01	4.81E+00	5.22E-01	1.47E-04	3.08E-02	5.78E-03	5.58E-01
2476	497088.92	3858670.93	4.94E-01	1.25E-04	3.03E-02	5.88E-03	5.30E-01	5.15E-01	1.28E+00	2.77E+00	2.01E-01	4.76E+00	5.14E-01	1.47E-04	3.03E-02	5.88E-03	5.51E-01
2477	497138.92	3858670.93	4.97E-01	1.25E-04	3.04E-02	5.88E-03	5.34E-01	5.19E-01	1.28E+00	2.77E+00	2.01E-01	4.77E+00	5.18E-01	1.47E-04	3.04E-02	5.88E-03	5.54E-01
2478	497188.92	3858670.93	4.97E-01	1.25E-04	3.02E-02	5.86E-03	5.33E-01	5.19E-01	1.28E+00	2.76E+00	2.00E-01	4.76E+00	5.18E-01	1.46E-04	3.02E-02	5.86E-03	5.54E-01
2479	497238.92	3858670.93	4.99E-01	1.25E-04	3.02E-02	5.85E-03	5.35E-01	5.20E-01	1.28E+00	2.75E+00	2.00E-01	4.75E+00	5.19E-01	1.46E-04	3.02E-02	5.85E-03	5.55E-01
2480	497088.92	3858720.93	6.12E-01	1.25E-04	3.18E-02	5.94E-03	6.50E-01	6.38E-01	1.27E+00	2.90E+00	2.03E-01	5.02E+00	6.37E-01	1.46E-04	3.18E-02	5.94E-03	6.75E-01
2481	497138.92	3858720.93	4.89E-01	1.25E-04	3.01E-02	5.92E-03	5.25E-01	5.10E-01	1.27E+00	2.75E+00	2.03E-01	4.73E+00	5.09E-01	1.46E-04	3.01E-02	5.92E-03	5.46E-01
2482	497188.92	3858720.93	4.90E-01	1.24E-04	2.98E-02	5.91E-03	5.26E-01	5.12E-01	1.27E+00	2.72E+00	2.02E-01	4.70E+00	5.11E-01	1.45E-04	2.98E-02	5.91E-03	5.47E-01
2483	497238.92	3858720.93	6.15E-01	1.24E-04	3.12E-02	5.91E-03	6.52E-01	6.42E-01	1.27E+00	2.85E+00	2.02E-01	4.96E+00	6.41E-01	1.45E-04	3.12E-02	5.91E-03	6.78E-01
2484	497088.92	3858770.93	6.12E-01	1.23E-04	3.22E-02	5.98E-03	6.50E-01	6.38E-01	1.26E+00	2.94E+00	2.05E-01	5.04E+00	6.37E-01	1.44E-04	3.22E-02	5.98E-03	6.76E-01
2485	497138.92	3858770.93	6.10E-01	1.23E-04	3.20E-02	5.97E-03	6.48E-01	6.36E-01	1.26E+00	2.92E+00	2.04E-01	5.02E+00	6.35E-01	1.44E-04	3.20E-02	5.97E-03	6.73E-01
2486	497188.92	3858770.93	6.10E-01	1.23E-04	3.19E-02	5.96E-03	6.48E-01	6.36E-01	1.26E+00	2.91E+00	2.04E-01	5.01E+00	6.35E-01	1.44E-04	3.19E-02	5.96E-03	6.73E-01
2487	497238.92	3858770.93	6.19E-01	1.23E-04	3.18E-02	5.95E-03	6.57E-01	6.46E-01	1.26E+00	2.90E+00	2.04E-01	5.01E+00	6.45E-01	1.44E-04	3.18E-02	5.95E-03	6.83E-01
2488	497396.65	3858622.63	6.38E-01	1.25E-04	3.18E-02	5.79E-03	6.76E-01	6.66E-01	1.28E+00	2.90E+00	1.98E-01	5.04E+00	6.64E-01	1.46E-04	3.18E-02	5.79E-03	7.02E-01
2489	497496.65	3858622.63	6.50E-01	1.25E-04	3.18E-02	5.90E-03	6.88E-01	6.78E-01	1.27E+00	2.90E+00	2.02E-01	5.05E+00	6.77E-01	1.46E-04	3.18E-02	5.90E-03	7.15E-01
2490	497596.65	3858622.63	6.90E-01	1.24E-04	3.56E-02	6.08E-03	7.32E-01	7.20E-01	1.27E+00	3.25E+00	2.08E-01	5.45E+00	7.19E-01	1.46E-04	3.56E-02	6.08E-03	7.61E-01
2491	497696.65	3858622.63	7.12E-01	1.24E-04	3.65E-02	6.10E-03	7.55E-01	7.43E-01	1.27E+00	3.33E+00	2.09E-01	5.55E+00	7.42E-01	1.45E-04	3.65E-02	6.10E-03	7.85E-01
2492	497796.65	3858622.63	7.53E-01	1.24E-04	3.86E-02	6.20E-03	7.98E-01	7.86E-01	1.27E+00	3.52E+00	2.12E-01	5.78E+00	7.85E-01	1.45E-04	3.86E-02	6.20E-03	8.29E-01
2493	497896.65	3858622.63	7.93E-01	1.32E-04	4.20E-02	6.29E-03	8.41E-01	8.27E-01	1.35E+00	3.83E+00	2.15E-01	6.22E+00	8.26E-01	1.54E-04	4.20E-02	6.29E-03	8.74E-01
2494	497396.65	3858722.63	6.58E-01	1.24E-04	3.19E-02	6.07E-03	6.96E-01	6.87E-01	1.26E+00	2.91E+00	2.08E-01	5.07E+00	6.86E-01	1.45E-04	3.19E-02	6.07E-03	7.24E-01
2495	497496.65	3858722.63	6.90E-01	1.23E-04	3.50E-02	6.09E-03	7.32E-01	7.20E-01	1.26E+00	3.19E+00	2.08E-01	5.38E+00	7.19E-01	1.44E-04	3.50E-02	6.09E-03	7.60E-01
2496	497596.65	3858722.63	7.58E-01	1.23E-04	3.93E-02	6.24E-03	8.03E-01	7.91E-01	1.26E+00	3.59E+00	2.13E-01	5.85E+00	7.89E-01	1.44E-04	3.93E-02	6.24E-03	8.35E-01
2497	497696.65	3858722.63	8.00E-01	1.29E-04	4.19E-02	6.31E-03	8.49E-01	8.35E-01	1.32E+00	3.82E+00	2.16E-01	6.19E+00	8.33E-01	1.51E-04	4.19E-02	6.31E-03	8.82E-01

2498	497796.65	3858722.63	8.26E-01	1.29E-04	4.39E-02	6.35E-03	8.76E-01	8.62E-01	1.32E+00	4.00E+00	2.17E-01	6.40E+00	8.60E-01	1.51E-04	4.39E-02	6.35E-03	9.11E-01
2499	497896.65	3858722.63	8.59E-01	1.28E-04	4.71E-02	6.40E-03	9.13E-01	8.97E-01	1.31E+00	4.30E+00	2.19E-01	6.72E+00	8.95E-01	1.50E-04	4.71E-02	6.40E-03	9.49E-01
2500	497396.65	3858822.63	6.88E-01	1.21E-04	3.82E-02	6.09E-03	7.33E-01	7.18E-01	1.23E+00	3.49E+00	2.08E-01	5.65E+00	7.17E-01	1.41E-04	3.82E-02	6.09E-03	7.61E-01
2501	497496.65	3858822.63	7.30E-01	1.20E-04	3.97E-02	6.16E-03	7.76E-01	7.62E-01	1.23E+00	3.62E+00	2.11E-01	5.82E+00	7.61E-01	1.41E-04	3.97E-02	6.16E-03	8.07E-01
2502	497596.65	3858822.63	8.13E-01	1.24E-04	5.01E-02	6.35E-03	8.69E-01	8.48E-01	1.27E+00	4.57E+00	2.17E-01	6.90E+00	8.46E-01	1.46E-04	5.01E-02	6.35E-03	9.03E-01
2503	497696.65	3858822.63	8.48E-01	1.24E-04	4.99E-02	6.36E-03	9.05E-01	8.85E-01	1.27E+00	4.55E+00	2.17E-01	6.92E+00	8.83E-01	1.45E-04	4.99E-02	6.36E-03	9.40E-01
2504	497796.65	3858822.63	8.78E-01	1.24E-04	5.63E-02	6.40E-03	9.41E-01	9.16E-01	1.26E+00	5.14E+00	2.19E-01	7.54E+00	9.14E-01	1.45E-04	5.63E-02	6.40E-03	9.77E-01
2505	497896.65	3858822.63	9.34E-01	1.23E-04	6.11E-02	6.47E-03	1.00E+00	9.75E-01	1.26E+00	5.57E+00	2.21E-01	8.03E+00	9.73E-01	1.44E-04	6.11E-02	6.47E-03	1.04E+00
2506	497396.65	3858922.63	7.30E-01	1.16E-04	4.29E-02	6.11E-03	7.80E-01	7.62E-01	1.18E+00	3.91E+00	2.09E-01	6.07E+00	7.61E-01	1.36E-04	4.29E-02	6.11E-03	8.10E-01
2507	497496.65	3858922.63	8.07E-01	1.18E-04	5.10E-02	6.23E-03	8.64E-01	8.42E-01	1.21E+00	4.65E+00	2.13E-01	6.91E+00	8.40E-01	1.38E-04	5.10E-02	6.23E-03	8.97E-01
2508	497596.65	3858922.63	8.21E-01	1.18E-04	5.18E-02	6.21E-03	8.79E-01	8.56E-01	1.21E+00	4.73E+00	2.12E-01	7.00E+00	8.54E-01	1.38E-04	5.18E-02	6.21E-03	9.13E-01
2509	497696.65	3858922.63	9.05E-01	1.18E-04	6.80E-02	6.36E-03	9.79E-01	9.44E-01	1.20E+00	6.20E+00	2.18E-01	8.57E+00	9.42E-01	1.38E-04	6.80E-02	6.36E-03	1.02E+00
2510	497796.65	3858922.63	9.50E-01	1.17E-04	6.99E-02	6.40E-03	1.03E+00	9.91E-01	1.20E+00	6.37E+00	2.19E-01	8.78E+00	9.89E-01	1.37E-04	6.99E-02	6.40E-03	1.07E+00
2511	497896.65	3858922.63	1.02E+00	1.20E-04	8.50E-02	6.81E-03	1.11E+00	1.06E+00	1.22E+00	7.75E+00	2.33E-01	1.03E+01	1.06E+00	1.40E-04	8.50E-02	6.81E-03	1.15E+00
2512	497364.44	3858201.52	4.32E-01	9.52E-05	3.01E-02	5.17E-03	4.68E-01	4.51E-01	9.73E-01	2.74E+00	1.77E-01	4.34E+00	4.50E-01	1.11E-04	3.01E-02	5.17E-03	4.86E-01
2513	497414.44	3858201.52	4.51E-01	1.01E-04	3.00E-02	5.27E-03	4.86E-01	4.70E-01	1.04E+00	2.73E+00	1.80E-01	4.42E+00	4.69E-01	1.19E-04	3.00E-02	5.27E-03	5.04E-01
2514	497464.44	3858201.52	4.49E-01	1.01E-04	2.99E-02	5.26E-03	4.84E-01	4.68E-01	1.04E+00	2.73E+00	1.80E-01	4.41E+00	4.67E-01	1.19E-04	2.99E-02	5.26E-03	5.03E-01
2515	497514.44	3858201.52	4.46E-01	1.01E-04	2.98E-02	5.25E-03	4.81E-01	4.66E-01	1.04E+00	2.71E+00	1.79E-01	4.40E+00	4.65E-01	1.19E-04	2.98E-02	5.25E-03	5.00E-01
2516	497564.44	3858201.52	4.43E-01	1.01E-04	2.97E-02	5.24E-03	4.78E-01	4.62E-01	1.04E+00	2.70E+00	1.79E-01	4.38E+00	4.62E-01	1.19E-04	2.97E-02	5.24E-03	4.97E-01
2517	497614.44	3858201.52	4.41E-01	1.11E-04	2.95E-02	5.23E-03	4.76E-01	4.60E-01	1.14E+00	2.69E+00	1.79E-01	4.47E+00	4.59E-01	1.30E-04	2.95E-02	5.23E-03	4.94E-01
2518	497364.44	3858251.52	4.66E-01	1.03E-04	2.97E-02	5.30E-03	5.01E-01	4.86E-01	1.05E+00	2.70E+00	1.81E-01	4.43E+00	4.85E-01	1.21E-04	2.97E-02	5.30E-03	5.20E-01
2519	497414.44	3858251.52	4.65E-01	1.14E-04	2.97E-02	5.29E-03	5.01E-01	4.86E-01	1.16E+00	2.71E+00	1.81E-01	4.54E+00	4.85E-01	1.33E-04	2.97E-02	5.29E-03	5.20E-01
2520	497464.44	3858251.52	4.62E-01	1.14E-04	2.95E-02	5.28E-03	4.97E-01	4.82E-01	1.16E+00	2.69E+00	1.81E-01	4.52E+00	4.81E-01	1.33E-04	2.95E-02	5.28E-03	5.16E-01
2521	497514.44	3858251.52	4.59E-01	1.03E-04	2.93E-02	5.27E-03	4.93E-01	4.79E-01	1.05E+00	2.67E+00	1.80E-01	4.39E+00	4.78E-01	1.21E-04	2.93E-02	5.27E-03	5.12E-01
2522	497564.44	3858251.52	4.56E-01	1.03E-04	2.92E-02	5.26E-03	4.90E-01	4.76E-01	1.05E+00	2.66E+00	1.80E-01	4.37E+00	4.75E-01	1.21E-04	2.92E-02	5.26E-03	5.09E-01
2523	497614.44	3858251.52	4.53E-01	1.03E-04	2.91E-02	5.25E-03	4.87E-01	4.73E-01	1.05E+00	2.65E+00	1.80E-01	4.36E+00	4.72E-01	1.21E-04	2.91E-02	5.25E-03	5.06E-01
2524	497364.44	3858301.52	4.77E-01	1.17E-04	2.94E-02	5.31E-03	5.12E-01	4.98E-01	1.19E+00	2.68E+00	1.82E-01	4.55E+00	4.97E-01	1.36E-04	2.94E-02	5.31E-03	5.32E-01
2525	497414.44	3858301.52	4.76E-01	1.17E-04	3.02E-02	5.30E-03	5.12E-01	4.97E-01	1.19E+00	2.75E+00	1.81E-01	4.62E+00	4.96E-01	1.36E-04	3.02E-02	5.30E-03	5.32E-01
2526	497464.44	3858301.52	4.73E-01	1.17E-04	2.93E-02	5.29E-03	5.08E-01	4.94E-01	1.19E+00	2.67E+00	1.81E-01	4.53E+00	4.93E-01	1.36E-04	2.93E-02	5.29E-03	5.27E-01
2527	497514.44	3858301.52	4.70E-01	1.16E-04	2.91E-02	5.28E-03	5.05E-01	4.91E-01	1.19E+00	2.65E+00	1.81E-01	4.52E+00	4.90E-01	1.36E-04	2.91E-02	5.28E-03	5.24E-01
2528	497564.44	3858301.52	4.67E-01	1.05E-04	2.89E-02	5.27E-03	5.01E-01	4.87E-01	1.07E+00	2.63E+00	1.80E-01	4.37E+00	4.86E-01	1.23E-04	2.89E-02	5.27E-03	5.20E-01
2529	497614.44	3858301.52	4.64E-01	1.05E-04	2.88E-02	5.26E-03	4.99E-01	4.85E-01	1.07E+00	2.62E+00	1.80E-01	4.36E+00	4.84E-01	1.23E-04	2.88E-02	5.26E-03	5.18E-01
2530	497364.44	3858351.52	4.87E-01	1.19E-04	3.07E-02	5.32E-03	5.23E-01	5.08E-01	1.21E+00	2.80E+00	1.82E-01	4.71E+00	5.07E-01	1.39E-04	3.07E-02	5.32E-03	5.43E-01
2531	497414.44	3858351.52	4.85E-01	1.19E-04	3.00E-02	5.31E-03	5.20E-01	5.06E-01	1.21E+00	2.74E+00	1.82E-01	4.64E+00	5.05E-01	1.39E-04	3.00E-02	5.31E-03	5.40E-01
2532	497464.44	3858351.52	4.83E-01	1.19E-04	3.02E-02	5.30E-03	5.18E-01	5.04E-01	1.21E+00	2.76E+00	1.81E-01	4.66E+00	5.03E-01	1.39E-04	3.02E-02	5.30E-03	5.38E-01
2533	497514.44	3858351.52	4.80E-01	1.19E-04	2.96E-02	5.29E-03	5.15E-01	5.01E-01	1.21E+00	2.70E+00	1.81E-01	4.59E+00	5.00E-01	1.39E-04	2.96E-02	5.29E-03	5.35E-01
2534	497564.44	3858351.52	4.77E-01	1.19E-04	2.87E-02	5.28E-03	5.11E-01	4.98E-01	1.21E+00	2.62E+00	1.81E-01	4.51E+00	4.97E-01	1.39E-04	2.87E-02	5.28E-03	5.31E-01
2535	497614.44	3858351.52	4.75E-01	1.19E-04	2.86E-02	5.27E-03	5.09E-01	4.96E-01	1.21E+00	2.61E+00	1.80E-01	4.50E+00	4.95E-01	1.39E-04	2.86E-02	5.27E-03	5.29E-01
2536	497364.44	3858401.52	4.94E-01	1.21E-04	3.19E-02	5.45E-03	5.31E-01	5.15E-01	1.24E+00	2.91E+00	1.87E-01	4.85E+00	5.14E-01	1.41E-04	3.19E-02	5.45E-03	5.52E-01
2537	497414.44	3858401.52	4.92E-01	1.21E-04	3.08E-02	5.37E-03	5.28E-01	5.13E-01	1.23E+00	2.81E+00	1.84E-01	4.74E+00	5.12E-01	1.41E-04	3.08E-02	5.37E-03	5.49E-01
2538	497464.44	3858401.52	4.90E-01	1.21E-04	3.03E-02	5.33E-03	5.26E-01	5.11E-01	1.23E+00	2.77E+00	1.82E-01	4.70E+00	5.10E-01	1.41E-04	3.03E-02	5.33E-03	5.46E-01
2539	497514.44	3858401.52	4.88E-01	1.21E-04	3.00E-02	5.31E-03	5.23E-01	5.09E-01	1.23E+00	2.73E+00	1.82E-01	4.66E+00	5.08E-01	1.41E-04	3.00E-02	5.31E-03	5.43E-01
2540	497564.44	3858401.52	4.88E-01	1.21E-04	3.20E-02	5.39E-03	5.25E-01	5.09E-01	1.23E+00	2.92E+00	1.85E-01	4.84E+00	5.08E-01	1.41E-04	3.20E-02	5.39E-03	5.45E-01
2541	497614.44	3858401.52	4.88E-01	1.21E-04	3.26E-02	5.44E-03	5.26E-01	5.09E-01	1.23E+00	2.97E+00	1.86E-01	4.90E+00	5.08E-01	1.41E-04	3.26E-02	5.44E-03	5.46E-01
2542	493478.11	3860497.94	2.23E+00	4.71E-04	3.97E-02	8.03E-03	2.28E+00	2.33E+00	4.81E+00	3.62E+00	2.75E-01	1.10E+01	2.32E+00	5.51E-04	3.97E-02	8.03E-03	2.37E+00
2543	493528.11	3860497.94	2.21E+00	4.67E-04	3.99E-02	8.07E-03	2.25E+00	2.30E+00	4.77E+00	3.63E+00	2.76E-01	1.10E+01	2.30E+00	5.46E-04	3.99E-02	8.07E-03	2.35E+00
2544	493478.11	3860547.94	2.22E+00	4.67E-04	3.80E-02	7.98E-03	2.26E+00	2.31E+00	4.77E+00	3.46E+00	2.73E-01	1.08E+01	2.31E+00	5.46E-04	3.80E-02	7.98E-03	2.35E+00
2545	493528.11	3860547.94	2.20E+00	4.57E-04	3.82E-02	8.03E-03	2.25E+00	2.30E+00	4.67E+00	3.48E+00	2.75E-01	1.07E+01	2.29E+00	5.35E-04	3.82E-02	8.03E-03	2.34E+00
2546	493478.11	3860597.94	2.18E+00	4.63E-04	3.62E-02	7.93E-03	2.22E+00	2.27E+00	4.73E+00	3.30E+00	2.71E-01	1.06E+01	2.27E+00	5.42E-04	3.62E-02	7.93E-03	2.31E+00
2547	493528.11	3860597.94	2.18E+00	4.59E-04	3.65E-02	7.97E-03	2.22E+00	2.27E+00	4.69E+00	3.33E+00	2.72E-01	1.06E+01	2.27E+00	5.37E-04	3.65E-02	7.97E-03	2.31E+00
2548	493561.88	3860524.64	2.19E+00	4.63E-04	3.92E-02	8.08E-03	2.24E+00	2.29E+00	4.73E+00	3.57E+00	2.76E-01	1.09E+01	2.28E+00	5.42E-04	3.92E-02	8.08E-03	2.33E+00
2549	493591.88	3860524.64	2.18E+00	4.62E-04	3.94E-02	8.09E-03	2.22E+00	2.27E+00	4.72E+00	3.60E+00	2.77E-01	1.09E+01	2.27E+00	5.40E-04	3.94E-02	8.09E-03	2.31E+00
2550	493561.88	3860554.64	2.19E+00	4.55E-04	3.82E-02	8.04E-03	2.23E+00	2.28E+00	4.65E+00	3.48E+00	2.75E-01	1.07E+01	2.28E+00	5.32E-04	3.82E-02	8.04E-03	2.32E+00
2551	493591.88	3860554.64	2.18E+00	4.60E-04	3.86E-02	8.06E-03	2.23E+00	2.27E+00	4.70E+00	3.52E+00	2.76E-01	1.08E+01	2.27E+00	5.38E-04	3.86E-02	8.06E-03	2.32E+00
2552	492880.5	3860293.11	2.42E+00	5.13E-04	4.05E-02	8.01E-03	2.47E+00	2.52E+00	5.24E+00	3.69E+00	2.74E-01	1.17E+01	2.52E+00	6.00E-04	4.05E-02	8.01E-03	2.57E+00
2553	492930.5	3860293.11	2.41E+00	5.10E-04	4.14E-02	7.99E-03	2.46E+00	2.52E+00	5.21E+00	3.78E+00	2.73E-01	1.18E+01	2.51E+00	5.96E-04	4.14E-02	7.99E-03	2.56E+00
2554	492980.5	3860293.11	2.42E+00	5.06E-04	4.24E-02	7.97E-03	2.47E+00	2.53E+00	5.17E+00	3.86E+00	2.73E-01	1.18E+01	2.52E+00	5.92E-04	4.24E-02	7.97E-03	2.57E+00
2555	493030.5	3860293.11	2.44E+00	4.99E-04	4.34E-02	7.90E-03	2.50E+00	2.55E+00	5.10E+00	3.96E+00	2.70E-01	1.19E+01	2.55E+00	5.84E-04	4.34E-02	7.90E-03	2.60E+00
2556	493080.5	3860293.11	2.45E+00	4.82E-04	4.29E-02	7.85E-03	2.51E+00	2.56E+00	4.93E+00	3.91E+00	2.68E-01	1.17E+01	2.56E+00	5.64E-04	4.29E-02	7.85E-03	2.61E+00
2557	493130.5	3860293.11	2.41E+00	4.88E-04	4.36E-02	7.89E-03	2.47E+00	2.52E+00	4.99E+00	3.98E+00	2.70E-01	1.18E+01	2.51E+00	5.71E-04	4.36E-02	7.89E-03	2.57E+00
2558	493180.5	3860293.11	2.37E+00	4.88E-04	4.43E-02	7.94E-03	2.42E+00	2.47E+00	4.99E+00	4.04E+00	2.71E-01	1.18E+01	2.47E+00	5.71E-04	4.43E-02	7.94E-03	2.52E+00

2559	493230.5	3860293.11	2.34E+00	4.84E-04	4.46E-02	7.95E-03	2.39E+00	2.44E+00	4.95E+00	4.06E+00	2.72E-01	1.17E+01	2.44E+00	5.67E-04	4.46E-02	7.95E-03	2.49E+00
2560	493280.5	3860293.11	2.33E+00	4.77E-04	4.45E-02	7.92E-03	2.39E+00	2.44E+00	4.87E+00	4.05E+00	2.71E-01	1.16E+01	2.43E+00	5.58E-04	4.45E-02	7.92E-03	2.48E+00
2561	493330.5	3860293.11	2.32E+00	4.70E-04	4.46E-02	7.91E-03	2.37E+00	2.42E+00	4.80E+00	4.07E+00	2.71E-01	1.16E+01	2.41E+00	5.50E-04	4.46E-02	7.91E-03	2.46E+00
2562	493380.5	3860293.11	2.30E+00	4.64E-04	4.48E-02	7.91E-03	2.35E+00	2.40E+00	4.74E+00	4.09E+00	2.70E-01	1.15E+01	2.39E+00	5.43E-04	4.48E-02	7.91E-03	2.45E+00
2563	492880.5	3860343.11	2.37E+00	5.14E-04	3.81E-02	8.09E-03	2.42E+00	2.48E+00	5.25E+00	3.47E+00	2.77E-01	1.15E+01	2.47E+00	6.01E-04	3.81E-02	8.09E-03	2.52E+00
2564	492930.5	3860343.11	2.38E+00	5.10E-04	3.90E-02	8.03E-03	2.43E+00	2.48E+00	5.21E+00	3.55E+00	2.75E-01	1.15E+01	2.48E+00	5.97E-04	3.90E-02	8.03E-03	2.53E+00
2565	492980.5	3860343.11	2.41E+00	5.07E-04	4.11E-02	7.92E-03	2.45E+00	2.51E+00	5.18E+00	3.75E+00	2.71E-01	1.17E+01	2.50E+00	5.93E-04	4.11E-02	7.92E-03	2.55E+00
2566	493030.5	3860343.11	2.40E+00	5.03E-04	4.18E-02	7.87E-03	2.45E+00	2.50E+00	5.14E+00	3.81E+00	2.69E-01	1.17E+01	2.50E+00	5.88E-04	4.18E-02	7.87E-03	2.55E+00
2567	493080.5	3860343.11	2.42E+00	4.93E-04	4.21E-02	7.81E-03	2.47E+00	2.53E+00	5.03E+00	3.84E+00	2.67E-01	1.17E+01	2.52E+00	5.76E-04	4.21E-02	7.81E-03	2.57E+00
2568	493130.5	3860343.11	2.41E+00	4.91E-04	4.27E-02	7.79E-03	2.46E+00	2.51E+00	5.02E+00	3.89E+00	2.66E-01	1.17E+01	2.51E+00	5.74E-04	4.27E-02	7.79E-03	2.56E+00
2569	493180.5	3860343.11	2.37E+00	4.91E-04	4.32E-02	7.85E-03	2.43E+00	2.48E+00	5.02E+00	3.94E+00	2.68E-01	1.17E+01	2.47E+00	5.74E-04	4.32E-02	7.85E-03	2.52E+00
2570	493230.5	3860343.11	2.35E+00	4.88E-04	4.34E-02	7.86E-03	2.40E+00	2.45E+00	4.98E+00	3.96E+00	2.69E-01	1.17E+01	2.45E+00	5.71E-04	4.34E-02	7.86E-03	2.50E+00
2571	493280.5	3860343.11	2.33E+00	4.83E-04	4.36E-02	7.82E-03	2.38E+00	2.43E+00	4.93E+00	3.98E+00	2.68E-01	1.16E+01	2.43E+00	5.65E-04	4.36E-02	7.82E-03	2.48E+00
2572	493330.5	3860343.11	2.31E+00	4.77E-04	4.35E-02	7.81E-03	2.36E+00	2.41E+00	4.87E+00	3.97E+00	2.67E-01	1.15E+01	2.41E+00	5.58E-04	4.35E-02	7.81E-03	2.46E+00
2573	493380.5	3860343.11	2.30E+00	4.73E-04	4.39E-02	7.81E-03	2.35E+00	2.40E+00	4.83E+00	4.01E+00	2.67E-01	1.15E+01	2.39E+00	5.53E-04	4.39E-02	7.81E-03	2.44E+00
2574	492880.5	3860393.11	2.30E+00	5.05E-04	3.58E-02	8.16E-03	2.34E+00	2.40E+00	5.16E+00	3.26E+00	2.79E-01	1.11E+01	2.39E+00	5.91E-04	3.58E-02	8.16E-03	2.44E+00
2575	492930.5	3860393.11	2.33E+00	5.09E-04	3.67E-02	8.09E-03	2.37E+00	2.43E+00	5.20E+00	3.35E+00	2.77E-01	1.13E+01	2.42E+00	5.95E-04	3.67E-02	8.09E-03	2.47E+00
2576	492980.5	3860393.11	2.35E+00	5.08E-04	3.81E-02	8.02E-03	2.40E+00	2.46E+00	5.19E+00	3.48E+00	2.74E-01	1.14E+01	2.45E+00	5.94E-04	3.81E-02	8.02E-03	2.50E+00
2577	493030.5	3860393.11	2.37E+00	5.05E-04	3.93E-02	7.95E-03	2.41E+00	2.47E+00	5.15E+00	3.58E+00	2.72E-01	1.15E+01	2.46E+00	5.90E-04	3.93E-02	7.95E-03	2.51E+00
2578	493080.5	3860393.11	2.38E+00	4.97E-04	4.09E-02	7.87E-03	2.43E+00	2.48E+00	5.08E+00	3.73E+00	2.69E-01	1.16E+01	2.48E+00	5.82E-04	4.09E-02	7.87E-03	2.53E+00
2579	493130.5	3860393.11	2.37E+00	4.96E-04	4.14E-02	7.85E-03	2.42E+00	2.47E+00	5.06E+00	3.77E+00	2.68E-01	1.16E+01	2.46E+00	5.80E-04	4.14E-02	7.85E-03	2.51E+00
2580	493180.5	3860393.11	2.35E+00	4.93E-04	4.10E-02	7.90E-03	2.40E+00	2.45E+00	5.04E+00	3.74E+00	2.70E-01	1.15E+01	2.45E+00	5.77E-04	4.10E-02	7.90E-03	2.49E+00
2581	493230.5	3860393.11	2.34E+00	4.89E-04	4.16E-02	7.90E-03	2.39E+00	2.44E+00	5.00E+00	3.79E+00	2.70E-01	1.15E+01	2.44E+00	5.73E-04	4.16E-02	7.90E-03	2.49E+00
2582	493280.5	3860393.11	2.34E+00	4.85E-04	4.27E-02	7.85E-03	2.39E+00	2.44E+00	4.96E+00	3.89E+00	2.69E-01	1.16E+01	2.43E+00	5.67E-04	4.27E-02	7.85E-03	2.49E+00
2583	493330.5	3860393.11	2.32E+00	4.80E-04	4.29E-02	7.84E-03	2.37E+00	2.42E+00	4.90E+00	3.91E+00	2.68E-01	1.15E+01	2.42E+00	5.62E-04	4.29E-02	7.84E-03	2.47E+00
2584	493380.5	3860393.11	2.29E+00	4.76E-04	4.30E-02	7.84E-03	2.34E+00	2.39E+00	4.86E+00	3.92E+00	2.68E-01	1.14E+01	2.39E+00	5.56E-04	4.30E-02	7.84E-03	2.44E+00
2585	492880.5	3860443.11	2.25E+00	5.08E-04	3.44E-02	8.18E-03	2.29E+00	2.35E+00	5.19E+00	3.14E+00	2.80E-01	1.10E+01	2.34E+00	5.94E-04	3.44E-02	8.18E-03	2.38E+00
2586	492930.5	3860443.11	2.24E+00	5.03E-04	3.46E-02	8.14E-03	2.29E+00	2.34E+00	5.14E+00	3.16E+00	2.78E-01	1.09E+01	2.34E+00	5.89E-04	3.46E-02	8.14E-03	2.38E+00
2587	492980.5	3860443.11	2.28E+00	4.98E-04	3.54E-02	8.07E-03	2.32E+00	2.38E+00	5.09E+00	3.23E+00	2.76E-01	1.10E+01	2.37E+00	5.83E-04	3.54E-02	8.07E-03	2.42E+00
2588	493030.5	3860443.11	2.31E+00	5.01E-04	3.66E-02	8.01E-03	2.35E+00	2.41E+00	5.12E+00	3.34E+00	2.74E-01	1.11E+01	2.40E+00	5.87E-04	3.66E-02	8.01E-03	2.45E+00
2589	493080.5	3860443.11	2.32E+00	4.99E-04	3.75E-02	7.97E-03	2.37E+00	2.42E+00	5.10E+00	3.42E+00	2.72E-01	1.12E+01	2.42E+00	5.84E-04	3.75E-02	7.97E-03	2.46E+00
2590	493130.5	3860443.11	2.32E+00	4.96E-04	3.84E-02	7.92E-03	2.37E+00	2.42E+00	5.07E+00	3.50E+00	2.71E-01	1.13E+01	2.42E+00	5.81E-04	3.84E-02	7.92E-03	2.46E+00
2591	493180.5	3860443.11	2.30E+00	4.91E-04	3.84E-02	7.96E-03	2.35E+00	2.40E+00	5.02E+00	3.51E+00	2.72E-01	1.12E+01	2.39E+00	5.74E-04	3.84E-02	7.96E-03	2.44E+00
2592	493230.5	3860443.11	2.31E+00	4.89E-04	3.97E-02	7.90E-03	2.36E+00	2.41E+00	5.00E+00	3.62E+00	2.70E-01	1.13E+01	2.41E+00	5.73E-04	3.97E-02	7.90E-03	2.45E+00
2593	493280.5	3860443.11	2.32E+00	4.86E-04	4.06E-02	7.88E-03	2.36E+00	2.42E+00	4.96E+00	3.70E+00	2.69E-01	1.14E+01	2.41E+00	5.68E-04	4.06E-02	7.88E-03	2.46E+00
2594	493330.5	3860443.11	2.32E+00	4.82E-04	4.18E-02	7.84E-03	2.37E+00	2.42E+00	4.93E+00	3.81E+00	2.68E-01	1.14E+01	2.41E+00	5.64E-04	4.18E-02	7.84E-03	2.46E+00
2595	493380.5	3860443.11	2.30E+00	4.79E-04	4.20E-02	7.86E-03	2.35E+00	2.40E+00	4.90E+00	3.83E+00	2.69E-01	1.14E+01	2.39E+00	5.61E-04	4.20E-02	7.86E-03	2.44E+00
2596	493180.5	3860493.11	2.27E+00	4.89E-04	3.65E-02	7.92E-03	2.32E+00	2.37E+00	4.99E+00	3.33E+00	2.71E-01	1.10E+01	2.37E+00	5.72E-04	3.65E-02	7.92E-03	2.41E+00
2597	493230.5	3860493.11	2.28E+00	4.86E-04	3.75E-02	7.90E-03	2.32E+00	2.38E+00	4.97E+00	3.42E+00	2.70E-01	1.10E+01	2.37E+00	5.69E-04	3.75E-02	7.90E-03	2.42E+00
2598	493280.5	3860493.11	2.27E+00	4.85E-04	3.85E-02	7.87E-03	2.32E+00	2.37E+00	4.95E+00	3.51E+00	2.69E-01	1.11E+01	2.37E+00	5.67E-04	3.85E-02	7.87E-03	2.42E+00
2599	493330.5	3860493.11	2.28E+00	4.82E-04	3.93E-02	7.86E-03	2.33E+00	2.38E+00	4.93E+00	3.59E+00	2.69E-01	1.12E+01	2.38E+00	5.64E-04	3.93E-02	7.86E-03	2.42E+00
2600	493380.5	3860493.11	2.27E+00	4.79E-04	3.97E-02	7.89E-03	2.32E+00	2.37E+00	4.89E+00	3.62E+00	2.70E-01	1.12E+01	2.37E+00	5.60E-04	3.97E-02	7.89E-03	2.42E+00
2601	493330.5	3860543.11	2.25E+00	4.80E-04	3.71E-02	7.82E-03	2.29E+00	2.35E+00	4.91E+00	3.39E+00	2.68E-01	1.09E+01	2.34E+00	5.62E-04	3.71E-02	7.82E-03	2.39E+00
2602	493380.5	3860543.11	2.23E+00	4.76E-04	3.76E-02	7.88E-03	2.28E+00	2.33E+00	4.86E+00	3.43E+00	2.69E-01	1.09E+01	2.32E+00	5.57E-04	3.76E-02	7.88E-03	2.37E+00
2603	494135.94	3860876.85	1.96E+00	4.19E-04	3.30E-02	7.68E-03	2.00E+00	2.04E+00	4.28E+00	3.01E+00	2.63E-01	9.59E+00	2.04E+00	4.90E-04	3.30E-02	7.68E-03	2.08E+00
2604	494185.94	3860876.85	1.94E+00	4.17E-04	3.33E-02	7.69E-03	1.98E+00	2.02E+00	4.26E+00	3.04E+00	2.63E-01	9.59E+00	2.02E+00	4.88E-04	3.33E-02	7.69E-03	2.06E+00
2605	494135.94	3860926.85	1.93E+00	4.15E-04	3.15E-02	7.49E-03	1.97E+00	2.02E+00	4.24E+00	2.87E+00	2.56E-01	9.39E+00	2.01E+00	4.86E-04	3.15E-02	7.49E-03	2.05E+00
2606	494185.94	3860926.85	1.93E+00	4.12E-04	3.20E-02	7.52E-03	1.97E+00	2.01E+00	4.21E+00	2.91E+00	2.57E-01	9.40E+00	2.01E+00	4.82E-04	3.20E-02	7.52E-03	2.05E+00
2607	494135.94	3860976.85	1.91E+00	4.16E-04	3.00E-02	7.35E-03	1.94E+00	1.99E+00	4.25E+00	2.74E+00	2.51E-01	9.22E+00	1.98E+00	4.86E-04	3.00E-02	7.35E-03	2.02E+00
2608	494185.94	3860976.85	1.90E+00	4.13E-04	3.05E-02	7.37E-03	1.94E+00	1.99E+00	4.22E+00	2.78E+00	2.52E-01	9.24E+00	1.98E+00	4.83E-04	3.05E-02	7.37E-03	2.02E+00
2609	494135.94	3861026.85	1.89E+00	4.18E-04	2.84E-02	7.24E-03	1.92E+00	1.97E+00	4.27E+00	2.59E+00	2.48E-01	9.08E+00	1.96E+00	4.89E-04	2.84E-02	7.24E-03	2.00E+00
2610	494185.94	3861026.85	1.88E+00	4.14E-04	2.90E-02	7.26E-03	1.92E+00	1.96E+00	4.23E+00	2.64E+00	2.48E-01	9.09E+00	1.96E+00	4.85E-04	2.90E-02	7.26E-03	2.00E+00
2611	494135.94	3861076.85	1.85E+00	4.21E-04	2.73E-02	7.13E-03	1.88E+00	1.93E+00	4.30E+00	2.49E+00	2.44E-01	8.96E+00	1.92E+00	4.92E-04	2.73E-02	7.13E-03	1.96E+00
2612	494185.94	3861076.85	1.85E+00	4.17E-04	2.75E-02	7.14E-03	1.89E+00	1.93E+00	4.26E+00	2.51E+00	2.44E-01	8.95E+00	1.93E+00	4.88E-04	2.75E-02	7.14E-03	1.97E+00
2613	490360.04	3858710.04	3.71E+00	6.15E-04	6.67E-02	8.92E-03	3.79E+00	3.88E+00	6.28E+00	6.09E+00	3.05E-01	1.65E+01	3.87E+00	7.19E-04	6.67E-02	8.92E-03	3.94E+00
2614	490410.04	3858710.04	3.68E+00	5.96E-04	6.69E-02	9.02E-03	3.76E+00	3.84E+00	6.09E+00	6.10E+00	3.08E-01	1.63E+01	3.83E+00	6.97E-04	6.69E-02	9.02E-03	3.91E+00
2615	490460.04	3858710.04	3.67E+00	5.65E-04	6.71E-02	9.39E-03	3.74E+00	3.83E+00	5.77E+00	6.12E+00	3.21E-01	1.60E+01	3.82E+00	6.61E-04	6.71E-02	9.39E-03	3.90E+00
2616	490510.04	3858710.04	3.66E+00	5.46E-04	6.75E-02	9.58E-03	3.74E+00	3.82E+00	5.58E+00	6.16E+00	3.28E-01	1.59E+01	3.81E+00	6.39E-04	6.75E-02	9.58E-03	3.89E+00
2617	490560.04	3858710.04	3.67E+00	5.32E-04	6.77E-02	9.70E-03	3.74E+00	3.83E+00	5.43E+00	6.17E+00	3.32E-01	1.58E+01	3.82E+00	6.22E-04	6.77E-02	9.70E-03	3.90E+00
2618	490610.04	3858710.04	3.65E+00	5.15E-04	6.76E-02	9.81E-03	3.73E+00	3.81E+00	5.26E+00	6.17E+00	3.35E-01	1.56E+01	3.81E+00	6.03E-04	6.76E-02	9.81E-03	3.88E+00
2619	490660.04	3858710.04	3.64E+00	5.11E-04	6.77E-02	9.86E-03	3.72E+00	3.80E+00	5.22E+00	6.17E+00	3.37E-01	1.55E+01	3.79E+00	5.97E-04	6.77E-02	9.86E-03	3.87E+00

2620	490710.04	3858710.04	3.62E+00	4.87E-04	6.76E-02	1.01E-02	3.70E+00	3.78E+00	4.97E+00	6.16E+00	3.47E-01	1.53E+01	3.77E+00	5.69E-04	6.76E-02	1.01E-02	3.85E+00
2621	490760.04	3858710.04	3.61E+00	4.68E-04	6.73E-02	1.03E-02	3.69E+00	3.76E+00	4.78E+00	6.14E+00	3.53E-01	1.50E+01	3.76E+00	5.47E-04	6.73E-02	1.03E-02	3.84E+00
2622	490810.04	3858710.04	3.59E+00	4.51E-04	6.68E-02	1.05E-02	3.67E+00	3.74E+00	4.61E+00	6.09E+00	3.61E-01	1.48E+01	3.74E+00	5.28E-04	6.68E-02	1.05E-02	3.82E+00
2623	490860.04	3858710.04	3.56E+00	4.30E-04	6.67E-02	1.10E-02	3.64E+00	3.72E+00	4.39E+00	6.08E+00	3.76E-01	1.46E+01	3.71E+00	5.03E-04	6.67E-02	1.10E-02	3.79E+00
2624	490360.04	3858760.04	3.74E+00	6.38E-04	6.33E-02	9.35E-03	3.81E+00	3.90E+00	6.52E+00	5.77E+00	3.20E-01	1.65E+01	3.89E+00	7.46E-04	6.33E-02	9.35E-03	3.97E+00
2625	490410.04	3858760.04	3.73E+00	6.13E-04	6.33E-02	9.46E-03	3.80E+00	3.89E+00	6.26E+00	5.78E+00	3.24E-01	1.63E+01	3.88E+00	7.17E-04	6.33E-02	9.46E-03	3.95E+00
2626	490460.04	3858760.04	3.70E+00	5.85E-04	6.31E-02	9.62E-03	3.77E+00	3.86E+00	5.97E+00	5.76E+00	3.29E-01	1.59E+01	3.85E+00	6.84E-04	6.31E-02	9.62E-03	3.92E+00
2627	490510.04	3858760.04	3.65E+00	5.54E-04	6.30E-02	9.85E-03	3.73E+00	3.81E+00	5.66E+00	5.75E+00	3.37E-01	1.56E+01	3.81E+00	6.49E-04	6.30E-02	9.85E-03	3.88E+00
2628	490560.04	3858760.04	3.62E+00	5.34E-04	6.34E-02	1.00E-02	3.70E+00	3.78E+00	5.45E+00	5.78E+00	3.43E-01	1.54E+01	3.77E+00	6.25E-04	6.34E-02	1.00E-02	3.85E+00
2629	490610.04	3858760.04	3.62E+00	5.11E-04	6.42E-02	1.03E-02	3.70E+00	3.78E+00	5.22E+00	5.86E+00	3.52E-01	1.52E+01	3.77E+00	5.98E-04	6.42E-02	1.03E-02	3.85E+00
2630	490660.04	3858760.04	3.63E+00	4.93E-04	6.48E-02	1.05E-02	3.71E+00	3.79E+00	5.03E+00	5.91E+00	3.58E-01	1.51E+01	3.78E+00	5.76E-04	6.48E-02	1.05E-02	3.86E+00
2631	490710.04	3858760.04	3.64E+00	4.74E-04	6.51E-02	1.06E-02	3.71E+00	3.80E+00	4.84E+00	5.93E+00	3.64E-01	1.49E+01	3.79E+00	5.54E-04	6.51E-02	1.06E-02	3.87E+00
2632	490760.04	3858760.04	3.63E+00	4.55E-04	6.52E-02	1.10E-02	3.71E+00	3.79E+00	4.65E+00	5.95E+00	3.76E-01	1.48E+01	3.78E+00	5.32E-04	6.52E-02	1.10E-02	3.86E+00
2633	490810.04	3858760.04	3.61E+00	4.39E-04	6.55E-02	1.13E-02	3.69E+00	3.76E+00	4.48E+00	5.98E+00	3.86E-01	1.46E+01	3.76E+00	5.13E-04	6.55E-02	1.13E-02	3.83E+00
2634	490860.04	3858760.04	3.60E+00	4.26E-04	6.56E-02	1.16E-02	3.68E+00	3.75E+00	4.36E+00	5.98E+00	3.95E-01	1.45E+01	3.75E+00	4.99E-04	6.56E-02	1.16E-02	3.82E+00
2635	490360.04	3858810.04	3.74E+00	6.42E-04	6.05E-02	9.77E-03	3.81E+00	3.90E+00	6.56E+00	5.52E+00	3.34E-01	1.63E+01	3.89E+00	7.51E-04	6.05E-02	9.77E-03	3.96E+00
2636	490410.04	3858810.04	3.73E+00	6.15E-04	6.04E-02	9.89E-03	3.80E+00	3.89E+00	6.28E+00	5.51E+00	3.38E-01	1.60E+01	3.88E+00	7.19E-04	6.04E-02	9.89E-03	3.95E+00
2637	490460.04	3858810.04	3.72E+00	5.86E-04	6.01E-02	1.00E-02	3.79E+00	3.88E+00	5.99E+00	5.48E+00	3.42E-01	1.57E+01	3.87E+00	6.86E-04	6.01E-02	1.00E-02	3.94E+00
2638	490510.04	3858810.04	3.69E+00	5.67E-04	6.01E-02	1.01E-02	3.76E+00	3.85E+00	5.79E+00	5.48E+00	3.47E-01	1.55E+01	3.85E+00	6.63E-04	6.01E-02	1.01E-02	3.92E+00
2639	490560.04	3858810.04	3.64E+00	5.46E-04	5.98E-02	1.03E-02	3.71E+00	3.80E+00	5.57E+00	5.46E+00	3.53E-01	1.52E+01	3.79E+00	6.38E-04	5.98E-02	1.03E-02	3.86E+00
2640	490610.04	3858810.04	3.61E+00	5.14E-04	5.96E-02	1.06E-02	3.68E+00	3.77E+00	5.25E+00	5.44E+00	3.62E-01	1.48E+01	3.76E+00	6.02E-04	5.96E-02	1.06E-02	3.83E+00
2641	490660.04	3858810.04	3.60E+00	4.92E-04	6.01E-02	1.08E-02	3.67E+00	3.76E+00	5.03E+00	5.48E+00	3.70E-01	1.46E+01	3.75E+00	5.76E-04	6.01E-02	1.08E-02	3.82E+00
2642	490710.04	3858810.04	3.61E+00	4.71E-04	6.08E-02	1.11E-02	3.68E+00	3.76E+00	4.81E+00	5.55E+00	3.80E-01	1.45E+01	3.76E+00	5.50E-04	6.08E-02	1.11E-02	3.83E+00
2643	490760.04	3858810.04	3.62E+00	4.43E-04	6.18E-02	1.16E-02	3.70E+00	3.78E+00	4.53E+00	5.63E+00	3.97E-01	1.43E+01	3.77E+00	5.18E-04	6.18E-02	1.16E-02	3.85E+00
2644	490810.04	3858810.04	3.62E+00	4.36E-04	6.23E-02	1.17E-02	3.70E+00	3.78E+00	4.45E+00	5.69E+00	4.01E-01	1.43E+01	3.77E+00	5.10E-04	6.23E-02	1.17E-02	3.84E+00
2645	490860.04	3858810.04	3.61E+00	4.18E-04	6.28E-02	1.22E-02	3.69E+00	3.77E+00	4.27E+00	5.73E+00	4.17E-01	1.42E+01	3.76E+00	4.89E-04	6.28E-02	1.22E-02	3.83E+00
2646	490360.04	3858860.04	3.70E+00	6.36E-04	5.74E-02	1.02E-02	3.77E+00	3.86E+00	6.50E+00	5.24E+00	3.47E-01	1.59E+01	3.85E+00	7.44E-04	5.74E-02	1.02E-02	3.92E+00
2647	490410.04	3858860.04	3.71E+00	6.23E-04	5.75E-02	1.02E-02	3.78E+00	3.87E+00	6.36E+00	5.24E+00	3.48E-01	1.58E+01	3.86E+00	7.28E-04	5.75E-02	1.02E-02	3.93E+00
2648	490460.04	3858860.04	3.71E+00	5.87E-04	5.79E-02	1.04E-02	3.78E+00	3.87E+00	6.00E+00	5.28E+00	3.57E-01	1.55E+01	3.86E+00	6.87E-04	5.79E-02	1.04E-02	3.93E+00
2649	490510.04	3858860.04	3.69E+00	5.76E-04	5.81E-02	1.05E-02	3.76E+00	3.85E+00	5.88E+00	5.30E+00	3.58E-01	1.54E+01	3.85E+00	6.73E-04	5.81E-02	1.05E-02	3.92E+00
2650	490560.04	3858860.04	3.67E+00	5.46E-04	5.81E-02	1.06E-02	3.74E+00	3.83E+00	5.58E+00	5.30E+00	3.64E-01	1.51E+01	3.82E+00	6.39E-04	5.81E-02	1.06E-02	3.89E+00
2651	490610.04	3858860.04	3.65E+00	5.06E-04	5.83E-02	1.10E-02	3.72E+00	3.81E+00	5.17E+00	5.31E+00	3.75E-01	1.47E+01	3.81E+00	5.92E-04	5.83E-02	1.10E-02	3.88E+00
2652	490660.04	3858860.04	3.62E+00	4.87E-04	5.85E-02	1.11E-02	3.69E+00	3.77E+00	4.98E+00	5.33E+00	3.80E-01	1.45E+01	3.76E+00	5.70E-04	5.85E-02	1.11E-02	3.84E+00
2653	490710.04	3858860.04	3.58E+00	4.75E-04	5.83E-02	1.11E-02	3.65E+00	3.74E+00	4.85E+00	5.31E+00	3.80E-01	1.43E+01	3.73E+00	5.55E-04	5.83E-02	1.11E-02	3.80E+00
2654	490760.04	3858860.04	3.58E+00	4.47E-04	5.82E-02	1.17E-02	3.65E+00	3.74E+00	4.57E+00	5.31E+00	3.99E-01	1.40E+01	3.73E+00	5.23E-04	5.82E-02	1.17E-02	3.80E+00
2655	490810.04	3858860.04	3.59E+00	4.25E-04	5.85E-02	1.21E-02	3.66E+00	3.75E+00	4.35E+00	5.34E+00	4.14E-01	1.38E+01	3.74E+00	4.98E-04	5.85E-02	1.21E-02	3.81E+00
2656	490860.04	3858860.04	3.60E+00	4.04E-04	5.99E-02	1.25E-02	3.67E+00	3.76E+00	4.13E+00	5.46E+00	4.27E-01	1.38E+01	3.75E+00	4.73E-04	5.99E-02	1.25E-02	3.82E+00
2657	490360.04	3858910.04	3.67E+00	6.58E-04	5.62E-02	1.03E-02	3.73E+00	3.83E+00	6.73E+00	5.13E+00	3.52E-01	1.60E+01	3.82E+00	7.70E-04	5.62E-02	1.03E-02	3.89E+00
2658	490410.04	3858910.04	3.64E+00	6.32E-04	5.58E-02	1.04E-02	3.71E+00	3.80E+00	6.46E+00	5.09E+00	3.57E-01	1.57E+01	3.79E+00	7.40E-04	5.58E-02	1.04E-02	3.86E+00
2659	490460.04	3858910.04	3.67E+00	6.03E-04	5.65E-02	1.06E-02	3.74E+00	3.83E+00	6.16E+00	5.15E+00	3.63E-01	1.55E+01	3.82E+00	7.06E-04	5.65E-02	1.06E-02	3.89E+00
2660	490510.04	3858910.04	3.69E+00	5.71E-04	5.69E-02	1.08E-02	3.75E+00	3.85E+00	5.83E+00	5.19E+00	3.69E-01	1.52E+01	3.84E+00	6.68E-04	5.69E-02	1.08E-02	3.91E+00
2661	490560.04	3858910.04	3.66E+00	5.35E-04	5.70E-02	1.09E-02	3.73E+00	3.82E+00	5.47E+00	5.20E+00	3.74E-01	1.49E+01	3.81E+00	6.26E-04	5.70E-02	1.09E-02	3.88E+00
2662	490610.04	3858910.04	3.66E+00	5.06E-04	5.81E-02	1.11E-02	3.73E+00	3.82E+00	5.17E+00	5.30E+00	3.80E-01	1.47E+01	3.81E+00	5.92E-04	5.81E-02	1.11E-02	3.88E+00
2663	490660.04	3858910.04	3.65E+00	4.85E-04	5.88E-02	1.12E-02	3.72E+00	3.81E+00	4.95E+00	5.36E+00	3.83E-01	1.45E+01	3.80E+00	5.67E-04	5.88E-02	1.12E-02	3.87E+00
2664	490710.04	3858910.04	3.62E+00	4.59E-04	5.92E-02	1.15E-02	3.69E+00	3.78E+00	4.69E+00	5.40E+00	3.93E-01	1.43E+01	3.77E+00	5.37E-04	5.92E-02	1.15E-02	3.84E+00
2665	490760.04	3858910.04	3.59E+00	4.29E-04	5.95E-02	1.19E-02	3.66E+00	3.74E+00	4.38E+00	5.43E+00	4.08E-01	1.40E+01	3.74E+00	5.01E-04	5.95E-02	1.19E-02	3.81E+00
2666	490810.04	3858910.04	3.56E+00	4.11E-04	5.93E-02	1.20E-02	3.63E+00	3.72E+00	4.20E+00	5.41E+00	4.10E-01	1.37E+01	3.71E+00	4.81E-04	5.93E-02	1.20E-02	3.78E+00
2667	490860.04	3858910.04	3.56E+00	3.90E-04	5.99E-02	1.23E-02	3.64E+00	3.72E+00	3.98E+00	5.46E+00	4.21E-01	1.36E+01	3.71E+00	4.56E-04	5.99E-02	1.23E-02	3.78E+00
2668	490360.04	3858960.04	3.62E+00	6.54E-04	5.94E-02	1.06E-02	3.69E+00	3.78E+00	6.68E+00	5.41E+00	3.61E-01	1.62E+01	3.77E+00	7.65E-04	5.94E-02	1.06E-02	3.84E+00
2669	490410.04	3858960.04	3.63E+00	6.20E-04	5.80E-02	1.08E-02	3.70E+00	3.79E+00	6.34E+00	5.29E+00	3.68E-01	1.58E+01	3.79E+00	7.26E-04	5.80E-02	1.08E-02	3.85E+00
2670	490460.04	3858960.04	3.62E+00	5.83E-04	5.64E-02	1.09E-02	3.69E+00	3.78E+00	5.95E+00	5.14E+00	3.74E-01	1.52E+01	3.77E+00	6.82E-04	5.64E-02	1.09E-02	3.84E+00
2671	490510.04	3858960.04	3.61E+00	5.50E-04	5.53E-02	1.10E-02	3.68E+00	3.77E+00	5.62E+00	5.04E+00	3.77E-01	1.48E+01	3.76E+00	6.44E-04	5.53E-02	1.10E-02	3.83E+00
2672	490560.04	3858960.04	3.63E+00	5.24E-04	5.64E-02	1.11E-02	3.70E+00	3.79E+00	5.35E+00	5.14E+00	3.78E-01	1.47E+01	3.78E+00	6.13E-04	5.64E-02	1.11E-02	3.85E+00
2673	490610.04	3858960.04	3.65E+00	4.88E-04	5.74E-02	1.12E-02	3.72E+00	3.81E+00	4.98E+00	5.24E+00	3.83E-01	1.44E+01	3.80E+00	5.71E-04	5.74E-02	1.12E-02	3.87E+00
2674	490660.04	3858960.04	3.63E+00	4.76E-04	5.76E-02	1.10E-02	3.70E+00	3.79E+00	4.86E+00	5.26E+00	3.76E-01	1.43E+01	3.78E+00	5.57E-04	5.76E-02	1.10E-02	3.85E+00
2675	490710.04	3858960.04	3.64E+00	4.42E-04	5.91E-02	1.13E-02	3.71E+00	3.79E+00	4.52E+00	5.39E+00	3.88E-01	1.41E+01	3.79E+00	5.18E-04	5.91E-02	1.13E-02	3.86E+00
2676	490760.04	3858960.04	3.62E+00	4.18E-04	6.01E-02	1.15E-02	3.69E+00	3.78E+00	4.27E+00	5.48E+00	3.93E-01	1.39E+01	3.77E+00	4.89E-04	6.01E-02	1.15E-02	3.84E+00
2677	490810.04	3858960.04	3.59E+00	3.96E-04	6.09E-02	1.17E-02	3.67E+00	3.75E+00	4.05E+00	5.55E+00	4.01E-01	1.37E+01	3.74E+00	4.63E-04	6.09E-02	1.17E-02	3.81E+00
2678	490860.04	3858960.04	3.55E+00	3.74E-04	6.17E-02	1.22E-02	3.62E+00	3.70E+00	3.82E+00	5.62E+00	4.18E-01	1.36E+01	3.70E+00	4.38E-04	6.17E-02	1.22E-02	3.77E+00
2679	490360.04	3859010.04	3.59E+00	6.40E-04	6.04E-02	1.09E-02	3.67E+00	3.75E+00	6.54E+00	5.51E+00	3.71E-01	1.62E+01	3.74E+00	7.48E-04	6.04E-02	1.09E-02	3.81E+00
2680	490410.04	3859010.04	3.58E+00	6.00E-04	6.00E-02	1.10E-02	3.65E+00	3.74E+00	6.13E+00	5.47E+00	3.76E-01	1.57E+01	3.73E+00	7.02E-04	6.00E-02	1.10E-02	3.80E+00

2681	490460.04	3859010.04	3.59E+00	5.51E-04	5.92E-02	1.12E-02	3.66E+00	3.74E+00	5.63E+00	5.40E+00	3.82E-01	1.51E+01	3.74E+00	6.44E-04	5.92E-02	1.12E-02	3.81E+00
2682	490510.04	3859010.04	3.59E+00	5.13E-04	5.81E-02	1.12E-02	3.66E+00	3.75E+00	5.24E+00	5.30E+00	3.84E-01	1.47E+01	3.74E+00	6.00E-04	5.81E-02	1.12E-02	3.81E+00
2683	490560.04	3859010.04	3.57E+00	4.97E-04	5.66E-02	1.11E-02	3.64E+00	3.72E+00	5.07E+00	5.17E+00	3.80E-01	1.43E+01	3.72E+00	5.81E-04	5.66E-02	1.11E-02	3.78E+00
2684	490610.04	3859010.04	3.60E+00	4.62E-04	5.63E-02	1.11E-02	3.67E+00	3.76E+00	4.72E+00	5.14E+00	3.80E-01	1.40E+01	3.75E+00	5.40E-04	5.63E-02	1.11E-02	3.82E+00
2685	490660.04	3859010.04	3.62E+00	4.51E-04	5.65E-02	1.10E-02	3.68E+00	3.77E+00	4.61E+00	5.15E+00	3.75E-01	1.39E+01	3.77E+00	5.28E-04	5.65E-02	1.10E-02	3.83E+00
2686	490710.04	3859010.04	3.62E+00	4.21E-04	5.83E-02	1.12E-02	3.69E+00	3.77E+00	4.30E+00	5.32E+00	3.83E-01	1.38E+01	3.77E+00	4.93E-04	5.83E-02	1.12E-02	3.84E+00
2687	490760.04	3859010.04	3.61E+00	3.98E-04	5.98E-02	1.16E-02	3.68E+00	3.77E+00	4.07E+00	5.46E+00	3.96E-01	1.37E+01	3.76E+00	4.66E-04	5.98E-02	1.16E-02	3.83E+00
2688	490810.04	3859010.04	3.60E+00	3.75E-04	6.12E-02	1.19E-02	3.68E+00	3.76E+00	3.83E+00	5.58E+00	4.08E-01	1.36E+01	3.75E+00	4.39E-04	6.12E-02	1.19E-02	3.83E+00
2689	490860.04	3859010.04	3.58E+00	3.56E-04	6.26E-02	1.22E-02	3.66E+00	3.74E+00	3.64E+00	5.70E+00	4.16E-01	1.35E+01	3.73E+00	4.17E-04	6.26E-02	1.22E-02	3.81E+00
2690	490360.04	3859060.04	3.55E+00	6.20E-04	6.02E-02	1.11E-02	3.63E+00	3.71E+00	6.33E+00	5.49E+00	3.80E-01	1.59E+01	3.70E+00	7.25E-04	6.02E-02	1.11E-02	3.77E+00
2691	490410.04	3859060.04	3.56E+00	5.64E-04	6.01E-02	1.13E-02	3.63E+00	3.71E+00	5.76E+00	5.48E+00	3.85E-01	1.53E+01	3.70E+00	6.60E-04	6.01E-02	1.13E-02	3.78E+00
2692	490460.04	3859060.04	3.55E+00	5.28E-04	6.00E-02	1.13E-02	3.62E+00	3.70E+00	5.40E+00	5.47E+00	3.85E-01	1.50E+01	3.69E+00	6.18E-04	6.00E-02	1.13E-02	3.76E+00
2693	490510.04	3859060.04	3.55E+00	5.00E-04	5.98E-02	1.12E-02	3.62E+00	3.70E+00	5.11E+00	5.45E+00	3.83E-01	1.46E+01	3.70E+00	5.85E-04	5.98E-02	1.12E-02	3.77E+00
2694	490560.04	3859060.04	3.56E+00	4.67E-04	5.93E-02	1.12E-02	3.63E+00	3.72E+00	4.77E+00	5.41E+00	3.82E-01	1.43E+01	3.71E+00	5.46E-04	5.93E-02	1.12E-02	3.78E+00
2695	490610.04	3859060.04	3.55E+00	4.49E-04	5.83E-02	1.11E-02	3.62E+00	3.70E+00	4.59E+00	5.32E+00	3.79E-01	1.40E+01	3.69E+00	5.25E-04	5.83E-02	1.11E-02	3.76E+00
2696	490660.04	3859060.04	3.55E+00	4.33E-04	5.78E-02	1.11E-02	3.62E+00	3.70E+00	4.43E+00	5.27E+00	3.79E-01	1.38E+01	3.70E+00	5.07E-04	5.78E-02	1.11E-02	3.76E+00
2697	490710.04	3859060.04	3.58E+00	4.04E-04	6.01E-02	1.14E-02	3.65E+00	3.73E+00	4.13E+00	5.48E+00	3.90E-01	1.37E+01	3.73E+00	4.73E-04	6.01E-02	1.14E-02	3.80E+00
2698	490760.04	3859060.04	3.59E+00	3.80E-04	6.18E-02	1.17E-02	3.66E+00	3.74E+00	3.88E+00	5.64E+00	3.99E-01	1.37E+01	3.74E+00	4.44E-04	6.18E-02	1.17E-02	3.81E+00
2699	490810.04	3859060.04	3.58E+00	3.59E-04	6.31E-02	1.20E-02	3.65E+00	3.73E+00	3.67E+00	5.76E+00	4.10E-01	1.36E+01	3.72E+00	4.20E-04	6.31E-02	1.20E-02	3.80E+00
2700	490860.04	3859060.04	3.82E+00	3.44E-04	6.40E-02	1.24E-02	3.89E+00	3.98E+00	3.51E+00	5.84E+00	4.25E-01	1.38E+01	3.97E+00	4.02E-04	6.40E-02	1.24E-02	4.05E+00
2701	490360.04	3859110.04	3.50E+00	6.38E-04	5.81E-02	1.11E-02	3.57E+00	3.65E+00	6.52E+00	5.30E+00	3.81E-01	1.58E+01	3.64E+00	7.46E-04	5.81E-02	1.11E-02	3.71E+00
2702	490410.04	3859110.04	3.49E+00	5.78E-04	5.88E-02	1.12E-02	3.56E+00	3.64E+00	5.90E+00	5.37E+00	3.83E-01	1.53E+01	3.64E+00	6.76E-04	5.88E-02	1.12E-02	3.71E+00
2703	490460.04	3859110.04	3.51E+00	5.47E-04	5.92E-02	1.11E-02	3.59E+00	3.67E+00	5.59E+00	5.40E+00	3.79E-01	1.50E+01	3.66E+00	6.40E-04	5.92E-02	1.11E-02	3.73E+00
2704	490510.04	3859110.04	3.53E+00	4.90E-04	5.96E-02	1.11E-02	3.60E+00	3.68E+00	5.00E+00	5.43E+00	3.81E-01	1.45E+01	3.68E+00	5.73E-04	5.96E-02	1.11E-02	3.75E+00
2705	490560.04	3859110.04	3.52E+00	4.63E-04	5.99E-02	1.11E-02	3.59E+00	3.67E+00	4.73E+00	5.46E+00	3.81E-01	1.42E+01	3.66E+00	5.42E-04	5.99E-02	1.11E-02	3.73E+00
2706	490610.04	3859110.04	3.53E+00	4.35E-04	6.01E-02	1.13E-02	3.60E+00	3.68E+00	4.44E+00	5.48E+00	3.87E-01	1.40E+01	3.67E+00	5.08E-04	6.01E-02	1.13E-02	3.74E+00
2707	490660.04	3859110.04	3.52E+00	4.03E-04	6.10E-02	1.16E-02	3.59E+00	3.67E+00	4.12E+00	5.57E+00	3.98E-01	1.38E+01	3.66E+00	4.72E-04	6.10E-02	1.16E-02	3.74E+00
2708	490710.04	3859110.04	3.49E+00	3.88E-04	6.11E-02	1.16E-02	3.57E+00	3.65E+00	3.97E+00	5.58E+00	3.98E-01	1.36E+01	3.64E+00	4.54E-04	6.11E-02	1.16E-02	3.71E+00
2709	490760.04	3859110.04	3.52E+00	3.71E-04	6.38E-02	1.20E-02	3.60E+00	3.67E+00	3.79E+00	5.82E+00	4.11E-01	1.37E+01	3.67E+00	4.34E-04	6.38E-02	1.20E-02	3.74E+00
2710	490810.04	3859110.04	3.81E+00	3.51E-04	6.70E-02	1.29E-02	3.89E+00	3.98E+00	3.58E+00	6.11E+00	4.42E-01	1.41E+01	3.97E+00	4.10E-04	6.70E-02	1.29E-02	4.05E+00
2711	490860.04	3859110.04	3.90E+00	3.32E-04	6.98E-02	1.40E-02	3.99E+00	4.07E+00	3.39E+00	6.36E+00	4.80E-01	1.43E+01	4.06E+00	3.88E-04	6.98E-02	1.40E-02	4.15E+00
2712	490360.04	3859160.04	3.49E+00	6.63E-04	5.75E-02	1.11E-02	3.56E+00	3.64E+00	6.77E+00	5.24E+00	3.80E-01	1.60E+01	3.64E+00	7.76E-04	5.75E-02	1.11E-02	3.71E+00
2713	490410.04	3859160.04	3.48E+00	6.02E-04	5.68E-02	1.10E-02	3.55E+00	3.63E+00	6.15E+00	5.18E+00	3.77E-01	1.53E+01	3.62E+00	7.05E-04	5.68E-02	1.10E-02	3.69E+00
2714	490460.04	3859160.04	3.44E+00	5.59E-04	5.70E-02	1.09E-02	3.51E+00	3.59E+00	5.71E+00	5.20E+00	3.73E-01	1.49E+01	3.58E+00	6.54E-04	5.70E-02	1.09E-02	3.65E+00
2715	490510.04	3859160.04	3.48E+00	5.16E-04	5.79E-02	1.10E-02	3.55E+00	3.63E+00	5.27E+00	5.28E+00	3.74E-01	1.45E+01	3.62E+00	6.03E-04	5.79E-02	1.10E-02	3.69E+00
2716	490560.04	3859160.04	3.49E+00	4.64E-04	5.85E-02	1.11E-02	3.56E+00	3.65E+00	4.74E+00	5.33E+00	3.80E-01	1.41E+01	3.64E+00	5.43E-04	5.85E-02	1.11E-02	3.71E+00
2717	490610.04	3859160.04	3.49E+00	4.38E-04	5.92E-02	1.12E-02	3.56E+00	3.64E+00	4.48E+00	5.40E+00	3.81E-01	1.39E+01	3.63E+00	5.13E-04	5.92E-02	1.12E-02	3.70E+00
2718	490660.04	3859160.04	3.48E+00	3.92E-04	6.13E-02	1.22E-02	3.55E+00	3.63E+00	4.00E+00	5.59E+00	4.17E-01	1.36E+01	3.62E+00	4.58E-04	6.13E-02	1.22E-02	3.69E+00
2719	490710.04	3859160.04	3.47E+00	3.78E-04	6.24E-02	1.29E-02	3.55E+00	3.62E+00	3.86E+00	5.69E+00	4.40E-01	1.36E+01	3.62E+00	4.42E-04	6.24E-02	1.29E-02	3.69E+00
2720	490760.04	3859160.04	3.77E+00	3.53E-04	6.45E-02	1.41E-02	3.84E+00	3.93E+00	3.60E+00	5.88E+00	4.83E-01	1.39E+01	3.92E+00	4.13E-04	6.45E-02	1.41E-02	4.00E+00
2721	490810.04	3859160.04	3.81E+00	3.40E-04	6.72E-02	1.47E-02	3.89E+00	3.97E+00	3.47E+00	6.13E+00	5.03E-01	1.41E+01	3.96E+00	3.98E-04	6.72E-02	1.47E-02	4.05E+00
2722	490860.04	3859160.04	3.87E+00	3.26E-04	7.14E-02	1.54E-02	3.95E+00	4.03E+00	3.33E+00	6.51E+00	5.27E-01	1.44E+01	4.03E+00	3.81E-04	7.14E-02	1.54E-02	4.11E+00
2723	490360.04	3859210.04	3.49E+00	6.83E-04	5.70E-02	1.10E-02	3.55E+00	3.64E+00	6.98E+00	5.20E+00	3.77E-01	1.62E+01	3.63E+00	7.99E-04	5.70E-02	1.10E-02	3.70E+00
2724	490410.04	3859210.04	3.47E+00	6.49E-04	5.66E-02	1.08E-02	3.53E+00	3.62E+00	6.64E+00	5.17E+00	3.68E-01	1.58E+01	3.61E+00	7.60E-04	5.66E-02	1.08E-02	3.68E+00
2725	490460.04	3859210.04	3.45E+00	5.63E-04	5.59E-02	1.08E-02	3.51E+00	3.60E+00	5.75E+00	5.10E+00	3.70E-01	1.48E+01	3.59E+00	6.58E-04	5.59E-02	1.08E-02	3.66E+00
2726	490510.04	3859210.04	3.43E+00	5.18E-04	5.57E-02	1.09E-02	3.50E+00	3.58E+00	5.29E+00	5.08E+00	3.74E-01	1.43E+01	3.57E+00	6.06E-04	5.57E-02	1.09E-02	3.64E+00
2727	490560.04	3859210.04	3.42E+00	4.87E-04	5.61E-02	1.10E-02	3.49E+00	3.57E+00	4.98E+00	5.12E+00	3.77E-01	1.40E+01	3.57E+00	5.70E-04	5.61E-02	1.10E-02	3.63E+00
2728	490610.04	3859210.04	3.45E+00	4.44E-04	5.70E-02	1.13E-02	3.52E+00	3.60E+00	4.54E+00	5.20E+00	3.87E-01	1.37E+01	3.59E+00	5.20E-04	5.70E-02	1.13E-02	3.66E+00
2729	490660.04	3859210.04	3.45E+00	3.95E-04	5.82E-02	1.26E-02	3.53E+00	3.60E+00	4.04E+00	5.31E+00	4.31E-01	1.34E+01	3.60E+00	4.62E-04	5.82E-02	1.26E-02	3.67E+00
2730	490710.04	3859210.04	3.44E+00	3.77E-04	6.00E-02	1.32E-02	3.51E+00	3.59E+00	3.85E+00	5.47E+00	4.50E-01	1.34E+01	3.58E+00	4.41E-04	6.00E-02	1.32E-02	3.65E+00
2731	490760.04	3859210.04	3.73E+00	3.53E-04	6.27E-02	1.46E-02	3.81E+00	3.89E+00	3.61E+00	5.72E+00	4.98E-01	1.37E+01	3.88E+00	4.13E-04	6.27E-02	1.46E-02	3.96E+00
2732	490810.04	3859210.04	3.74E+00	3.49E-04	6.33E-02	1.47E-02	3.82E+00	3.90E+00	3.56E+00	5.77E+00	5.03E-01	1.37E+01	3.89E+00	4.08E-04	6.33E-02	1.47E-02	3.97E+00
2733	490860.04	3859210.04	3.73E+00	3.43E-04	6.39E-02	1.48E-02	3.81E+00	3.90E+00	3.50E+00	5.83E+00	5.08E-01	1.37E+01	3.89E+00	4.01E-04	6.39E-02	1.48E-02	3.97E+00
2734	490360.04	3859260.04	3.43E+00	6.93E-04	5.53E-02	1.09E-02	3.50E+00	3.58E+00	7.08E+00	5.04E+00	3.71E-01	1.61E+01	3.57E+00	8.11E-04	5.53E-02	1.09E-02	3.64E+00
2735	490410.04	3859260.04	3.45E+00	6.49E-04	5.56E-02	1.08E-02	3.52E+00	3.60E+00	6.63E+00	5.07E+00	3.68E-01	1.57E+01	3.60E+00	7.60E-04	5.56E-02	1.08E-02	3.66E+00
2736	490460.04	3859260.04	3.45E+00	6.16E-04	5.55E-02	1.06E-02	3.51E+00	3.60E+00	6.30E+00	5.06E+00	3.64E-01	1.53E+01	3.59E+00	7.21E-04	5.55E-02	1.06E-02	3.65E+00
2737	490510.04	3859260.04	3.41E+00	5.77E-04	5.52E-02	1.05E-02	3.48E+00	3.56E+00	5.89E+00	5.03E+00	3.61E-01	1.48E+01	3.55E+00	6.74E-04	5.52E-02	1.05E-02	3.62E+00
2738	490560.04	3859260.04	3.40E+00	5.33E-04	5.46E-02	1.07E-02	3.46E+00	3.54E+00	5.44E+00	4.98E+00	3.64E-01	1.43E+01	3.54E+00	6.23E-04	5.46E-02	1.07E-02	3.60E+00
2739	490610.04	3859260.04	3.37E+00	4.68E-04	5.46E-02	1.11E-02	3.44E+00	3.52E+00	4.78E+00	4.98E+00	3.79E-01	1.37E+01	3.51E+00	5.48E-04	5.46E-02	1.11E-02	3.58E+00
2740	490660.04	3859260.04	3.39E+00	4.58E-04	5.51E-02	1.11E-02	3.46E+00	3.54E+00	4.68E+00	5.02E+00	3.80E-01	1.36E+01	3.53E+00	5.36E-04	5.51E-02	1.11E-02	3.60E+00
2741	490710.04	3859260.04	3.41E+00	4.23E-04	5.59E-02	1.15E-02	3.48E+00	3.56E+00	4.32E+00	5.10E+00	3.92E-01	1.34E+01	3.55E+00	4.94E-04	5.59E-02	1.15E-02	3.62E+00

2742	490760.04	3859260.04	3.40E+00	3.82E-04	5.74E-02	1.29E-02	3.47E+00	3.55E+00	3.90E+00	5.23E+00	4.40E-01	1.31E+01	3.54E+00	4.47E-04	5.74E-02	1.29E-02	3.61E+00
2743	490810.04	3859260.04	3.37E+00	3.75E-04	5.88E-02	1.30E-02	3.44E+00	3.52E+00	3.83E+00	5.37E+00	4.45E-01	1.32E+01	3.51E+00	4.38E-04	5.88E-02	1.30E-02	3.58E+00
2744	490860.04	3859260.04	3.37E+00	3.67E-04	6.00E-02	1.31E-02	3.44E+00	3.52E+00	3.75E+00	5.47E+00	4.49E-01	1.32E+01	3.51E+00	4.29E-04	6.00E-02	1.31E-02	3.58E+00
2745	490360.04	3859310.04	3.37E+00	7.39E-04	5.34E-02	1.07E-02	3.44E+00	3.52E+00	7.55E+00	4.87E+00	3.67E-01	1.63E+01	3.51E+00	8.65E-04	5.34E-02	1.07E-02	3.58E+00
2746	490410.04	3859310.04	3.39E+00	6.93E-04	5.38E-02	1.06E-02	3.45E+00	3.53E+00	7.08E+00	4.91E+00	3.63E-01	1.59E+01	3.53E+00	8.11E-04	5.38E-02	1.06E-02	3.59E+00
2747	490460.04	3859310.04	3.41E+00	6.54E-04	5.41E-02	1.05E-02	3.47E+00	3.55E+00	6.68E+00	4.93E+00	3.59E-01	1.55E+01	3.55E+00	7.65E-04	5.41E-02	1.05E-02	3.61E+00
2748	490510.04	3859310.04	3.41E+00	6.27E-04	5.43E-02	1.05E-02	3.48E+00	3.56E+00	6.40E+00	4.95E+00	3.59E-01	1.53E+01	3.55E+00	7.33E-04	5.43E-02	1.05E-02	3.62E+00
2749	490560.04	3859310.04	3.38E+00	5.94E-04	5.42E-02	1.05E-02	3.45E+00	3.53E+00	6.07E+00	4.94E+00	3.59E-01	1.49E+01	3.52E+00	6.95E-04	5.42E-02	1.05E-02	3.59E+00
2750	490610.04	3859310.04	3.35E+00	5.69E-04	5.38E-02	1.05E-02	3.42E+00	3.50E+00	5.81E+00	4.91E+00	3.59E-01	1.46E+01	3.49E+00	6.66E-04	5.38E-02	1.05E-02	3.56E+00
2751	490660.04	3859310.04	3.33E+00	5.31E-04	5.35E-02	1.05E-02	3.40E+00	3.48E+00	5.43E+00	4.88E+00	3.59E-01	1.41E+01	3.47E+00	6.22E-04	5.35E-02	1.05E-02	3.53E+00
2752	490710.04	3859310.04	3.33E+00	4.66E-04	5.34E-02	1.08E-02	3.40E+00	3.48E+00	4.76E+00	4.87E+00	3.68E-01	1.35E+01	3.47E+00	5.45E-04	5.34E-02	1.08E-02	3.54E+00
2753	490760.04	3859310.04	3.36E+00	4.32E-04	5.40E-02	1.10E-02	3.42E+00	3.50E+00	4.41E+00	4.93E+00	3.77E-01	1.32E+01	3.50E+00	5.06E-04	5.40E-02	1.10E-02	3.56E+00
2754	490810.04	3859310.04	3.36E+00	4.15E-04	5.49E-02	1.11E-02	3.43E+00	3.51E+00	4.24E+00	5.01E+00	3.80E-01	1.31E+01	3.50E+00	4.86E-04	5.49E-02	1.11E-02	3.57E+00
2755	490860.04	3859310.04	3.34E+00	3.87E-04	5.60E-02	1.18E-02	3.41E+00	3.48E+00	3.96E+00	5.11E+00	4.02E-01	1.30E+01	3.48E+00	4.53E-04	5.60E-02	1.18E-02	3.55E+00
2756	490360.04	3859360.04	3.39E+00	7.84E-04	5.17E-02	1.07E-02	3.46E+00	3.54E+00	8.01E+00	4.72E+00	3.66E-01	1.66E+01	3.53E+00	9.18E-04	5.17E-02	1.07E-02	3.60E+00
2757	490410.04	3859360.04	3.35E+00	7.54E-04	5.18E-02	1.07E-02	3.41E+00	3.49E+00	7.70E+00	4.73E+00	3.64E-01	1.63E+01	3.49E+00	8.82E-04	5.18E-02	1.07E-02	3.55E+00
2758	490460.04	3859360.04	3.33E+00	7.26E-04	5.24E-02	1.06E-02	3.39E+00	3.47E+00	7.42E+00	4.78E+00	3.63E-01	1.60E+01	3.47E+00	8.50E-04	5.24E-02	1.06E-02	3.53E+00
2759	490510.04	3859360.04	3.34E+00	6.97E-04	5.28E-02	1.06E-02	3.41E+00	3.49E+00	7.12E+00	4.81E+00	3.61E-01	1.58E+01	3.48E+00	8.16E-04	5.28E-02	1.06E-02	3.54E+00
2760	490560.04	3859360.04	3.37E+00	6.53E-04	5.30E-02	1.05E-02	3.43E+00	3.51E+00	6.67E+00	4.84E+00	3.58E-01	1.54E+01	3.51E+00	7.64E-04	5.30E-02	1.05E-02	3.57E+00
2761	490610.04	3859360.04	3.35E+00	6.12E-04	5.31E-02	1.04E-02	3.42E+00	3.50E+00	6.25E+00	4.84E+00	3.56E-01	1.49E+01	3.49E+00	7.16E-04	5.31E-02	1.04E-02	3.56E+00
2762	490660.04	3859360.04	3.32E+00	5.79E-04	5.29E-02	1.03E-02	3.39E+00	3.47E+00	5.91E+00	4.83E+00	3.53E-01	1.46E+01	3.46E+00	6.77E-04	5.29E-02	1.03E-02	3.52E+00
2763	490710.04	3859360.04	3.31E+00	5.27E-04	5.25E-02	1.02E-02	3.37E+00	3.45E+00	5.39E+00	4.79E+00	3.50E-01	1.40E+01	3.44E+00	6.17E-04	5.25E-02	1.02E-02	3.51E+00
2764	490760.04	3859360.04	3.28E+00	4.78E-04	5.24E-02	1.03E-02	3.34E+00	3.42E+00	4.88E+00	4.78E+00	3.54E-01	1.34E+01	3.41E+00	5.59E-04	5.24E-02	1.03E-02	3.47E+00
2765	490810.04	3859360.04	3.30E+00	4.71E-04	5.23E-02	1.04E-02	3.36E+00	3.44E+00	4.81E+00	4.77E+00	3.54E-01	1.34E+01	3.44E+00	5.51E-04	5.23E-02	1.04E-02	3.50E+00
2766	490860.04	3859360.04	3.32E+00	4.43E-04	5.28E-02	1.08E-02	3.38E+00	3.46E+00	4.53E+00	4.82E+00	3.69E-01	1.32E+01	3.45E+00	5.18E-04	5.28E-02	1.08E-02	3.52E+00
2767	490360.04	3859410.04	3.37E+00	8.26E-04	5.14E-02	1.09E-02	3.44E+00	3.52E+00	8.44E+00	4.68E+00	3.72E-01	1.70E+01	3.51E+00	9.66E-04	5.14E-02	1.09E-02	3.58E+00
2768	490410.04	3859410.04	3.35E+00	7.99E-04	5.07E-02	1.08E-02	3.41E+00	3.50E+00	8.17E+00	4.63E+00	3.70E-01	1.67E+01	3.49E+00	9.35E-04	5.07E-02	1.08E-02	3.55E+00
2769	490460.04	3859410.04	3.32E+00	7.72E-04	5.07E-02	1.08E-02	3.38E+00	3.46E+00	7.89E+00	4.62E+00	3.68E-01	1.63E+01	3.46E+00	9.03E-04	5.07E-02	1.08E-02	3.52E+00
2770	490510.04	3859410.04	3.28E+00	7.43E-04	5.10E-02	1.07E-02	3.34E+00	3.42E+00	7.59E+00	4.65E+00	3.66E-01	1.60E+01	3.41E+00	8.69E-04	5.10E-02	1.07E-02	3.47E+00
2771	490560.04	3859410.04	3.30E+00	7.14E-04	5.14E-02	1.06E-02	3.36E+00	3.44E+00	7.29E+00	4.68E+00	3.63E-01	1.58E+01	3.43E+00	8.35E-04	5.14E-02	1.06E-02	3.50E+00
2772	490610.04	3859410.04	3.31E+00	6.84E-04	5.17E-02	1.05E-02	3.38E+00	3.46E+00	6.99E+00	4.71E+00	3.61E-01	1.55E+01	3.45E+00	8.00E-04	5.17E-02	1.05E-02	3.51E+00
2773	490660.04	3859410.04	3.32E+00	6.29E-04	5.19E-02	1.05E-02	3.38E+00	3.46E+00	6.42E+00	4.73E+00	3.57E-01	1.50E+01	3.45E+00	7.35E-04	5.19E-02	1.05E-02	3.52E+00
2774	490710.04	3859410.04	3.29E+00	5.87E-04	5.19E-02	1.04E-02	3.35E+00	3.43E+00	5.99E+00	4.73E+00	3.54E-01	1.45E+01	3.43E+00	6.86E-04	5.19E-02	1.04E-02	3.49E+00
2775	490760.04	3859410.04	3.27E+00	5.28E-04	5.17E-02	1.03E-02	3.33E+00	3.41E+00	5.40E+00	4.71E+00	3.51E-01	1.39E+01	3.41E+00	6.18E-04	5.17E-02	1.03E-02	3.47E+00
2776	490810.04	3859410.04	3.24E+00	5.20E-04	5.12E-02	1.02E-02	3.30E+00	3.38E+00	5.31E+00	4.67E+00	3.50E-01	1.37E+01	3.37E+00	6.08E-04	5.12E-02	1.02E-02	3.43E+00
2777	490860.04	3859410.04	3.24E+00	5.16E-04	5.14E-02	1.02E-02	3.30E+00	3.38E+00	5.28E+00	4.68E+00	3.49E-01	1.37E+01	3.37E+00	6.04E-04	5.14E-02	1.02E-02	3.43E+00
2778	490360.04	3859460.04	3.32E+00	8.53E-04	5.21E-02	1.10E-02	3.38E+00	3.46E+00	8.72E+00	4.75E+00	3.75E-01	1.73E+01	3.46E+00	9.98E-04	5.21E-02	1.10E-02	3.52E+00
2779	490410.04	3859460.04	3.33E+00	8.27E-04	5.07E-02	1.09E-02	3.40E+00	3.48E+00	8.44E+00	4.63E+00	3.73E-01	1.69E+01	3.47E+00	9.67E-04	5.07E-02	1.09E-02	3.53E+00
2780	490460.04	3859460.04	3.32E+00	8.03E-04	5.01E-02	1.08E-02	3.38E+00	3.47E+00	8.21E+00	4.57E+00	3.71E-01	1.66E+01	3.46E+00	9.40E-04	5.01E-02	1.08E-02	3.52E+00
2781	490510.04	3859460.04	3.28E+00	7.78E-04	4.98E-02	1.08E-02	3.34E+00	3.42E+00	7.95E+00	4.54E+00	3.68E-01	1.63E+01	3.42E+00	9.10E-04	4.98E-02	1.08E-02	3.48E+00
2782	490560.04	3859460.04	3.24E+00	7.53E-04	4.98E-02	1.07E-02	3.30E+00	3.38E+00	7.69E+00	4.55E+00	3.66E-01	1.60E+01	3.37E+00	8.81E-04	4.98E-02	1.07E-02	3.44E+00
2783	490610.04	3859460.04	3.25E+00	7.21E-04	5.01E-02	1.06E-02	3.31E+00	3.39E+00	7.37E+00	4.57E+00	3.63E-01	1.57E+01	3.38E+00	8.44E-04	5.01E-02	1.06E-02	3.45E+00
2784	490660.04	3859460.04	3.26E+00	6.86E-04	5.03E-02	1.05E-02	3.33E+00	3.41E+00	7.00E+00	4.59E+00	3.60E-01	1.54E+01	3.40E+00	8.02E-04	5.03E-02	1.05E-02	3.46E+00
2785	490710.04	3859460.04	3.28E+00	6.55E-04	5.06E-02	1.04E-02	3.34E+00	3.42E+00	6.70E+00	4.62E+00	3.57E-01	1.51E+01	3.41E+00	7.67E-04	5.06E-02	1.04E-02	3.47E+00
2786	490760.04	3859460.04	3.26E+00	6.22E-04	5.08E-02	1.03E-02	3.32E+00	3.40E+00	6.36E+00	4.63E+00	3.53E-01	1.47E+01	3.40E+00	7.28E-04	5.08E-02	1.03E-02	3.46E+00
2787	490810.04	3859460.04	3.23E+00	5.88E-04	5.08E-02	1.02E-02	3.29E+00	3.37E+00	6.00E+00	4.63E+00	3.50E-01	1.44E+01	3.36E+00	6.88E-04	5.08E-02	1.02E-02	3.43E+00
2788	490860.04	3859460.04	3.20E+00	5.75E-04	5.05E-02	1.01E-02	3.26E+00	3.34E+00	5.87E+00	4.61E+00	3.47E-01	1.42E+01	3.33E+00	6.73E-04	5.05E-02	1.01E-02	3.39E+00
2789	490360.04	3859510.04	3.25E+00	8.65E-04	5.22E-02	1.10E-02	3.31E+00	3.39E+00	8.84E+00	4.76E+00	3.76E-01	1.74E+01	3.38E+00	1.01E-03	5.22E-02	1.10E-02	3.45E+00
2790	490410.04	3859510.04	3.29E+00	8.46E-04	5.16E-02	1.09E-02	3.35E+00	3.43E+00	8.65E+00	4.70E+00	3.74E-01	1.72E+01	3.42E+00	9.90E-04	5.16E-02	1.09E-02	3.49E+00
2791	490460.04	3859510.04	3.29E+00	8.24E-04	5.06E-02	1.09E-02	3.35E+00	3.43E+00	8.42E+00	4.61E+00	3.72E-01	1.68E+01	3.43E+00	9.64E-04	5.06E-02	1.09E-02	3.49E+00
2792	490510.04	3859510.04	3.29E+00	8.02E-04	4.94E-02	1.08E-02	3.35E+00	3.43E+00	8.20E+00	4.50E+00	3.69E-01	1.65E+01	3.42E+00	9.39E-04	4.94E-02	1.08E-02	3.48E+00
2793	490560.04	3859510.04	3.25E+00	7.80E-04	4.90E-02	1.07E-02	3.31E+00	3.39E+00	7.97E+00	4.47E+00	3.66E-01	1.62E+01	3.38E+00	9.12E-04	4.90E-02	1.07E-02	3.44E+00
2794	490610.04	3859510.04	3.22E+00	7.53E-04	4.88E-02	1.06E-02	3.28E+00	3.35E+00	7.69E+00	4.45E+00	3.63E-01	1.59E+01	3.35E+00	8.81E-04	4.88E-02	1.06E-02	3.41E+00
2795	490660.04	3859510.04	3.20E+00	7.25E-04	4.90E-02	1.05E-02	3.26E+00	3.34E+00	7.41E+00	4.47E+00	3.60E-01	1.56E+01	3.33E+00	8.48E-04	4.90E-02	1.05E-02	3.39E+00
2796	490710.04	3859510.04	3.21E+00	6.95E-04	4.92E-02	1.04E-02	3.27E+00	3.35E+00	7.10E+00	4.48E+00	3.57E-01	1.53E+01	3.34E+00	8.13E-04	4.92E-02	1.04E-02	3.40E+00
2797	490760.04	3859510.04	3.23E+00	6.67E-04	4.93E-02	1.03E-02	3.29E+00	3.37E+00	6.81E+00	4.49E+00	3.53E-01	1.50E+01	3.37E+00	7.80E-04	4.93E-02	1.03E-02	3.43E+00
2798	490810.04	3859510.04	3.22E+00	6.45E-04	4.96E-02	1.02E-02	3.28E+00	3.36E+00	6.59E+00	4.52E+00	3.50E-01	1.48E+01	3.36E+00	7.55E-04	4.96E-02	1.02E-02	3.42E+00
2799	490860.04	3859510.04	3.20E+00	6.18E-04	4.98E-02	1.01E-02	3.26E+00	3.34E+00	6.32E+00	4.54E+00	3.47E-01	1.45E+01	3.33E+00	7.23E-04	4.98E-02	1.01E-02	3.39E+00
2800	490360.04	3859560.04	3.17E+00	8.80E-04	5.18E-02	1.10E-02	3.24E+00	3.31E+00	8.99E+00	4.72E+00	3.75E-01	1.74E+01	3.30E+00	1.03E-03	5.18E-02	1.10E-02	3.37E+00
2801	490410.04	3859560.04	3.19E+00	8.62E-04	5.14E-02	1.09E-02	3.26E+00	3.33E+00	8.81E+00	4.69E+00	3.73E-01	1.72E+01	3.33E+00	1.01E-03	5.14E-02	1.09E-02	3.39E+00
2802	490460.04	3859560.04	3.24E+00	8.43E-04	5.09E-02	1.08E-02	3.30E+00	3.38E+00	8.61E+00	4.64E+00	3.70E-01	1.70E+01	3.37E+00	9.86E-04	5.09E-02	1.08E-02	3.44E+00

2803	490510.04	3859560.04	3.25E+00	8.19E-04	5.02E-02	1.08E-02	3.31E+00	3.39E+00	8.37E+00	4.58E+00	3.68E-01	1.67E+01	3.38E+00	9.58E-04	5.02E-02	1.08E-02	3.45E+00
2804	490560.04	3859560.04	3.25E+00	8.00E-04	4.90E-02	1.07E-02	3.31E+00	3.39E+00	8.17E+00	4.47E+00	3.65E-01	1.64E+01	3.39E+00	9.36E-04	4.90E-02	1.07E-02	3.45E+00
2805	490610.04	3859560.04	3.22E+00	7.76E-04	4.83E-02	1.06E-02	3.28E+00	3.36E+00	7.93E+00	4.41E+00	3.61E-01	1.61E+01	3.35E+00	9.08E-04	4.83E-02	1.06E-02	3.41E+00
2806	490660.04	3859560.04	3.18E+00	7.54E-04	4.79E-02	1.05E-02	3.24E+00	3.32E+00	7.70E+00	4.37E+00	3.58E-01	1.57E+01	3.32E+00	8.82E-04	4.79E-02	1.05E-02	3.37E+00
2807	490710.04	3859560.04	3.15E+00	7.28E-04	4.79E-02	1.04E-02	3.21E+00	3.29E+00	7.44E+00	4.37E+00	3.55E-01	1.55E+01	3.28E+00	8.52E-04	4.79E-02	1.04E-02	3.34E+00
2808	490760.04	3859560.04	3.17E+00	6.96E-04	4.82E-02	1.03E-02	3.23E+00	3.31E+00	7.11E+00	4.39E+00	3.51E-01	1.52E+01	3.30E+00	8.14E-04	4.82E-02	1.03E-02	3.36E+00
2809	490810.04	3859560.04	3.19E+00	6.71E-04	4.83E-02	1.02E-02	3.25E+00	3.33E+00	6.85E+00	4.40E+00	3.47E-01	1.49E+01	3.32E+00	7.85E-04	4.83E-02	1.02E-02	3.38E+00
2810	490860.04	3859560.04	3.19E+00	6.43E-04	4.83E-02	1.01E-02	3.25E+00	3.33E+00	6.57E+00	4.40E+00	3.44E-01	1.46E+01	3.32E+00	7.53E-04	4.83E-02	1.01E-02	3.38E+00
2811	490187.25	3859422.08	3.28E+00	9.18E-04	5.45E-02	1.10E-02	3.34E+00	3.42E+00	9.38E+00	4.97E+00	3.77E-01	1.81E+01	3.41E+00	1.07E-03	5.45E-02	1.10E-02	3.48E+00
2812	490237.25	3859422.08	3.31E+00	8.95E-04	5.40E-02	1.10E-02	3.38E+00	3.45E+00	9.14E+00	4.93E+00	3.74E-01	1.79E+01	3.45E+00	1.05E-03	5.40E-02	1.10E-02	3.51E+00
2813	490287.25	3859422.08	3.34E+00	8.71E-04	5.32E-02	1.09E-02	3.41E+00	3.49E+00	8.90E+00	4.85E+00	3.74E-01	1.76E+01	3.48E+00	1.02E-03	5.32E-02	1.09E-02	3.54E+00
2814	490337.25	3859422.08	3.36E+00	8.43E-04	5.19E-02	1.09E-02	3.42E+00	3.51E+00	8.62E+00	4.73E+00	3.73E-01	1.72E+01	3.50E+00	9.87E-04	5.19E-02	1.09E-02	3.56E+00
2815	490187.25	3859472.08	3.18E+00	9.27E-04	5.41E-02	1.11E-02	3.25E+00	3.32E+00	9.48E+00	4.93E+00	3.80E-01	1.81E+01	3.32E+00	1.09E-03	5.41E-02	1.11E-02	3.38E+00
2816	490237.25	3859472.08	3.23E+00	9.08E-04	5.36E-02	1.11E-02	3.30E+00	3.37E+00	9.28E+00	4.89E+00	3.78E-01	1.79E+01	3.37E+00	1.06E-03	5.36E-02	1.11E-02	3.43E+00
2817	490287.25	3859472.08	3.25E+00	8.85E-04	5.33E-02	1.10E-02	3.32E+00	3.40E+00	9.04E+00	4.86E+00	3.77E-01	1.77E+01	3.39E+00	1.04E-03	5.33E-02	1.10E-02	3.45E+00
2818	490337.25	3859472.08	3.31E+00	8.66E-04	5.26E-02	1.10E-02	3.37E+00	3.45E+00	8.85E+00	4.80E+00	3.76E-01	1.75E+01	3.44E+00	1.01E-03	5.26E-02	1.10E-02	3.51E+00
2819	490297.07	3859500.42	3.23E+00	8.86E-04	5.30E-02	1.10E-02	3.29E+00	3.37E+00	9.06E+00	4.83E+00	3.78E-01	1.76E+01	3.36E+00	1.04E-03	5.30E-02	1.10E-02	3.42E+00
2820	490327.07	3859500.42	3.23E+00	8.78E-04	5.26E-02	1.10E-02	3.30E+00	3.37E+00	8.97E+00	4.80E+00	3.77E-01	1.75E+01	3.37E+00	1.03E-03	5.26E-02	1.10E-02	3.43E+00
2821	490297.07	3859530.42	3.18E+00	8.95E-04	5.25E-02	1.10E-02	3.24E+00	3.31E+00	9.15E+00	4.79E+00	3.78E-01	1.76E+01	3.31E+00	1.05E-03	5.25E-02	1.10E-02	3.37E+00
2822	490327.07	3859530.42	3.20E+00	8.83E-04	5.23E-02	1.10E-02	3.26E+00	3.34E+00	9.03E+00	4.77E+00	3.77E-01	1.75E+01	3.33E+00	1.03E-03	5.23E-02	1.10E-02	3.39E+00
2823	490319.73	3859055.34	3.53E+00	6.65E-04	6.02E-02	1.09E-02	3.61E+00	3.69E+00	6.80E+00	5.49E+00	3.74E-01	1.63E+01	3.68E+00	7.78E-04	6.02E-02	1.09E-02	3.75E+00
2824	490319.73	3859105.34	3.51E+00	6.79E-04	5.82E-02	1.11E-02	3.58E+00	3.66E+00	6.93E+00	5.31E+00	3.79E-01	1.63E+01	3.66E+00	7.94E-04	5.82E-02	1.11E-02	3.73E+00
2825	490069.73	3859155.34	3.54E+00	8.47E-04	5.74E-02	1.12E-02	3.61E+00	3.70E+00	8.65E+00	5.23E+00	3.82E-01	1.80E+01	3.69E+00	9.90E-04	5.74E-02	1.12E-02	3.76E+00
2826	490119.73	3859155.34	3.51E+00	8.26E-04	5.83E-02	1.12E-02	3.58E+00	3.67E+00	8.44E+00	5.31E+00	3.84E-01	1.78E+01	3.66E+00	9.67E-04	5.83E-02	1.12E-02	3.73E+00
2827	490269.73	3859155.34	3.52E+00	7.57E-04	5.87E-02	1.12E-02	3.59E+00	3.67E+00	7.73E+00	5.36E+00	3.83E-01	1.71E+01	3.66E+00	8.86E-04	5.87E-02	1.12E-02	3.73E+00
2828	490319.73	3859155.34	3.51E+00	7.08E-04	5.82E-02	1.12E-02	3.58E+00	3.66E+00	7.23E+00	5.30E+00	3.82E-01	1.66E+01	3.65E+00	8.28E-04	5.82E-02	1.12E-02	3.72E+00
2829	490069.73	3859205.34	3.52E+00	8.81E-04	5.57E-02	1.14E-02	3.59E+00	3.68E+00	9.00E+00	5.08E+00	3.90E-01	1.81E+01	3.67E+00	1.03E-03	5.57E-02	1.14E-02	3.74E+00
2830	490119.73	3859205.34	3.50E+00	8.70E-04	5.59E-02	1.14E-02	3.57E+00	3.65E+00	8.89E+00	5.09E+00	3.90E-01	1.80E+01	3.64E+00	1.02E-03	5.59E-02	1.14E-02	3.71E+00
2831	490169.73	3859205.34	3.48E+00	8.47E-04	5.66E-02	1.14E-02	3.55E+00	3.63E+00	8.65E+00	5.16E+00	3.90E-01	1.78E+01	3.62E+00	9.91E-04	5.66E-02	1.14E-02	3.69E+00
2832	490219.73	3859205.34	3.44E+00	8.08E-04	5.70E-02	1.14E-02	3.51E+00	3.59E+00	8.26E+00	5.20E+00	3.89E-01	1.74E+01	3.59E+00	9.46E-04	5.70E-02	1.14E-02	3.66E+00
2833	490269.73	3859205.34	3.47E+00	7.54E-04	5.70E-02	1.13E-02	3.54E+00	3.62E+00	7.71E+00	5.20E+00	3.87E-01	1.69E+01	3.61E+00	8.82E-04	5.70E-02	1.13E-02	3.68E+00
2834	490319.73	3859205.34	3.48E+00	7.20E-04	5.72E-02	1.12E-02	3.55E+00	3.63E+00	7.36E+00	5.22E+00	3.82E-01	1.66E+01	3.62E+00	8.43E-04	5.72E-02	1.12E-02	3.69E+00
2835	490069.73	3859255.34	3.47E+00	8.95E-04	5.59E-02	1.16E-02	3.54E+00	3.62E+00	9.14E+00	5.10E+00	3.98E-01	1.83E+01	3.61E+00	1.05E-03	5.59E-02	1.16E-02	3.68E+00
2836	490119.73	3859255.34	3.48E+00	8.81E-04	5.49E-02	1.16E-02	3.55E+00	3.63E+00	9.00E+00	5.01E+00	3.96E-01	1.80E+01	3.63E+00	1.03E-03	5.49E-02	1.16E-02	3.69E+00
2837	490169.73	3859255.34	3.47E+00	8.60E-04	5.44E-02	1.15E-02	3.54E+00	3.63E+00	8.78E+00	4.96E+00	3.93E-01	1.78E+01	3.62E+00	1.01E-03	5.44E-02	1.15E-02	3.69E+00
2838	490219.73	3859255.34	3.46E+00	8.24E-04	5.43E-02	1.14E-02	3.53E+00	3.61E+00	8.41E+00	4.95E+00	3.89E-01	1.74E+01	3.60E+00	9.64E-04	5.43E-02	1.14E-02	3.67E+00
2839	490269.73	3859255.34	3.43E+00	7.81E-04	5.50E-02	1.12E-02	3.50E+00	3.58E+00	7.98E+00	5.02E+00	3.84E-01	1.70E+01	3.58E+00	9.14E-04	5.50E-02	1.12E-02	3.64E+00
2840	490319.73	3859255.34	3.42E+00	7.47E-04	5.55E-02	1.10E-02	3.49E+00	3.57E+00	7.63E+00	5.06E+00	3.76E-01	1.66E+01	3.56E+00	8.74E-04	5.55E-02	1.10E-02	3.63E+00
2841	490069.73	3859305.34	3.39E+00	9.14E-04	5.66E-02	1.18E-02	3.46E+00	3.53E+00	9.34E+00	5.16E+00	4.03E-01	1.84E+01	3.53E+00	1.07E-03	5.66E-02	1.18E-02	3.60E+00
2842	490119.73	3859305.34	3.43E+00	9.03E-04	5.54E-02	1.16E-02	3.50E+00	3.58E+00	9.22E+00	5.05E+00	3.98E-01	1.83E+01	3.57E+00	1.06E-03	5.54E-02	1.16E-02	3.64E+00
2843	490169.73	3859305.34	3.44E+00	8.82E-04	5.41E-02	1.14E-02	3.51E+00	3.59E+00	9.02E+00	4.93E+00	3.91E-01	1.79E+01	3.58E+00	1.03E-03	5.41E-02	1.14E-02	3.65E+00
2844	490219.73	3859305.34	3.45E+00	8.53E-04	5.34E-02	1.12E-02	3.51E+00	3.60E+00	8.71E+00	4.87E+00	3.84E-01	1.76E+01	3.59E+00	9.97E-04	5.34E-02	1.12E-02	3.66E+00
2845	490269.73	3859305.34	3.43E+00	8.20E-04	5.30E-02	1.10E-02	3.50E+00	3.58E+00	8.37E+00	4.84E+00	3.76E-01	1.72E+01	3.57E+00	9.59E-04	5.30E-02	1.10E-02	3.64E+00
2846	490319.73	3859305.34	3.41E+00	7.76E-04	5.31E-02	1.08E-02	3.47E+00	3.56E+00	7.93E+00	4.84E+00	3.70E-01	1.67E+01	3.55E+00	9.08E-04	5.31E-02	1.08E-02	3.61E+00
2847	490069.73	3859355.34	3.30E+00	9.40E-04	5.63E-02	1.17E-02	3.37E+00	3.45E+00	9.60E+00	5.14E+00	4.01E-01	1.86E+01	3.44E+00	1.10E-03	5.63E-02	1.17E-02	3.51E+00
2848	490119.73	3859355.34	3.33E+00	9.25E-04	5.56E-02	1.15E-02	3.40E+00	3.48E+00	9.45E+00	5.07E+00	3.93E-01	1.84E+01	3.47E+00	1.08E-03	5.56E-02	1.15E-02	3.54E+00
2849	490169.73	3859355.34	3.38E+00	9.03E-04	5.48E-02	1.12E-02	3.44E+00	3.52E+00	9.22E+00	5.00E+00	3.84E-01	1.81E+01	3.52E+00	1.06E-03	5.48E-02	1.12E-02	3.58E+00
2850	490219.73	3859355.34	3.40E+00	8.75E-04	5.38E-02	1.10E-02	3.46E+00	3.55E+00	8.94E+00	4.91E+00	3.75E-01	1.78E+01	3.54E+00	1.02E-03	5.38E-02	1.10E-02	3.60E+00
2851	490269.73	3859355.34	3.41E+00	8.49E-04	5.26E-02	1.09E-02	3.48E+00	3.56E+00	8.67E+00	4.80E+00	3.72E-01	1.74E+01	3.55E+00	9.93E-04	5.26E-02	1.09E-02	3.62E+00
2852	490319.73	3859355.34	3.41E+00	8.14E-04	5.20E-02	1.07E-02	3.47E+00	3.55E+00	8.32E+00	4.74E+00	3.67E-01	1.70E+01	3.55E+00	9.52E-04	5.20E-02	1.07E-02	3.61E+00
2853	490069.73	3859405.34	3.23E+00	9.60E-04	5.57E-02	1.15E-02	3.30E+00	3.37E+00	9.81E+00	5.08E+00	3.95E-01	1.87E+01	3.36E+00	1.12E-03	5.57E-02	1.15E-02	3.43E+00
2854	490119.73	3859405.34	3.25E+00	9.43E-04	5.52E-02	1.12E-02	3.32E+00	3.39E+00	9.63E+00	5.03E+00	3.84E-01	1.84E+01	3.38E+00	1.10E-03	5.52E-02	1.12E-02	3.45E+00
2855	490169.73	3859405.34	3.29E+00	9.21E-04	5.48E-02	1.11E-02	3.36E+00	3.43E+00	9.41E+00	5.00E+00	3.79E-01	1.82E+01	3.43E+00	1.08E-03	5.48E-02	1.11E-02	3.50E+00
2856	490219.73	3859405.34	3.33E+00	8.98E-04	5.42E-02	1.09E-02	3.39E+00	3.47E+00	9.18E+00	4.95E+00	3.74E-01	1.80E+01	3.46E+00	1.05E-03	5.42E-02	1.09E-02	3.53E+00
2857	490269.73	3859405.34	3.36E+00	8.71E-04	5.34E-02	1.09E-02	3.42E+00	3.50E+00	8.89E+00	4.87E+00	3.73E-01	1.76E+01	3.50E+00	1.02E-03	5.34E-02	1.09E-02	3.56E+00
2858	490319.73	3859405.34	3.38E+00	8.41E-04	5.20E-02	1.09E-02	3.44E+00	3.52E+00	8.60E+00	4.74E+00	3.72E-01	1.72E+01	3.51E+00	9.84E-04	5.20E-02	1.09E-02	3.58E+00
2859	490161.89	3859541.83	3.12E+00	9.46E-04	5.41E-02	1.12E-02	3.19E+00	3.26E+00	9.66E+00	4.93E+00	3.82E-01	1.82E+01	3.25E+00	1.11E-03	5.41E-02	1.12E-02	3.32E+00
2860	490171.89	3859541.83	3.12E+00	9.42E-04	5.40E-02	1.12E-02	3.18E+00	3.25E+00	9.63E+00	4.93E+00	3.81E-01	1.82E+01	3.25E+00	1.10E-03	5.40E-02	1.12E-02	3.31E+00
2861	490161.89	3859551.83	3.12E+00	9.47E-04	5.40E-02	1.11E-02	3.19E+00	3.26E+00	9.68E+00	4.93E+00	3.81E-01	1.82E+01	3.25E+00	1.11E-03	5.40E-02	1.11E-02	3.32E+00
2862	490171.89	3859551.83	3.12E+00	9.44E-04	5.40E-02	1.11E-02	3.18E+00	3.25E+00	9.64E+00	4.92E+00	3.81E-01	1.82E+01	3.25E+00	1.10E-03	5.40E-02	1.11E-02	3.31E+00
2863	489799.72	3859348.21	3.16E+00	1.04E-03	5.84E-02	1.18E-02	3.23E+00	3.30E+00	1.06E+01	5.32E+00	4.04E-01	1.97E+01	3.29E+00	1.22E-03	5.84E-02	1.18E-02	3.37E+00

2864	489819.72	3859348.21	3.18E+00	1.03E-03	5.85E-02	1.19E-02	3.25E+00	3.32E+00	1.06E+01	5.33E+00	4.05E-01	1.96E+01	3.31E+00	1.21E-03	5.85E-02	1.19E-02	3.39E+00
2865	489799.72	3859368.21	3.14E+00	1.05E-03	5.77E-02	1.19E-02	3.21E+00	3.28E+00	1.07E+01	5.27E+00	4.07E-01	1.97E+01	3.27E+00	1.23E-03	5.77E-02	1.19E-02	3.34E+00
2866	489819.72	3859368.21	3.16E+00	1.04E-03	5.80E-02	1.20E-02	3.23E+00	3.29E+00	1.06E+01	5.29E+00	4.09E-01	1.96E+01	3.29E+00	1.21E-03	5.80E-02	1.20E-02	3.36E+00
2867	489775.41	3859329.72	3.16E+00	1.05E-03	5.85E-02	1.16E-02	3.23E+00	3.30E+00	1.07E+01	5.34E+00	3.98E-01	1.98E+01	3.29E+00	1.23E-03	5.85E-02	1.16E-02	3.36E+00
2868	489795.41	3859329.72	3.18E+00	1.04E-03	5.86E-02	1.17E-02	3.25E+00	3.32E+00	1.06E+01	5.35E+00	4.00E-01	1.97E+01	3.31E+00	1.22E-03	5.86E-02	1.17E-02	3.38E+00
2869	489775.41	3859349.72	3.14E+00	1.05E-03	5.80E-02	1.18E-02	3.21E+00	3.28E+00	1.08E+01	5.29E+00	4.02E-01	1.97E+01	3.27E+00	1.23E-03	5.80E-02	1.18E-02	3.34E+00
2870	489795.41	3859349.72	3.16E+00	1.04E-03	5.83E-02	1.18E-02	3.23E+00	3.29E+00	1.07E+01	5.32E+00	4.04E-01	1.97E+01	3.29E+00	1.22E-03	5.83E-02	1.18E-02	3.36E+00
2871	489595.05	3859219.43	3.09E+00	1.09E-03	5.91E-02	1.11E-02	3.16E+00	3.22E+00	1.12E+01	5.39E+00	3.80E-01	2.02E+01	3.21E+00	1.28E-03	5.91E-02	1.11E-02	3.29E+00
2872	489615.05	3859219.43	3.11E+00	1.08E-03	5.96E-02	1.09E-02	3.18E+00	3.24E+00	1.10E+01	5.44E+00	3.73E-01	2.01E+01	3.24E+00	1.26E-03	5.96E-02	1.09E-02	3.31E+00
2873	489595.05	3859239.43	3.08E+00	1.11E-03	5.85E-02	1.10E-02	3.15E+00	3.21E+00	1.13E+01	5.34E+00	3.77E-01	2.02E+01	3.21E+00	1.29E-03	5.85E-02	1.10E-02	3.28E+00
2874	489615.05	3859239.43	3.10E+00	1.09E-03	5.89E-02	1.08E-02	3.17E+00	3.23E+00	1.12E+01	5.37E+00	3.71E-01	2.01E+01	3.22E+00	1.28E-03	5.89E-02	1.08E-02	3.30E+00
2875	489372.4	3859092.58	2.91E+00	1.17E-03	5.96E-02	1.12E-02	2.98E+00	3.04E+00	1.20E+01	5.43E+00	3.82E-01	2.08E+01	3.03E+00	1.37E-03	5.96E-02	1.12E-02	3.10E+00
2876	489422.4	3859092.58	2.89E+00	1.14E-03	6.15E-02	1.09E-02	2.96E+00	3.02E+00	1.16E+01	5.61E+00	3.74E-01	2.06E+01	3.01E+00	1.33E-03	6.15E-02	1.09E-02	3.08E+00
2877	489372.4	3859142.58	3.10E+00	1.20E-03	5.85E-02	1.20E-02	3.17E+00	3.23E+00	1.22E+01	5.34E+00	4.11E-01	2.12E+01	3.23E+00	1.40E-03	5.85E-02	1.20E-02	3.30E+00
2878	489422.4	3859142.58	3.00E+00	1.16E-03	5.91E-02	1.18E-02	3.07E+00	3.13E+00	1.19E+01	5.39E+00	4.04E-01	2.08E+01	3.13E+00	1.36E-03	5.91E-02	1.18E-02	3.20E+00
2879	488870.84	3858666.64	3.54E+00	1.16E-03	9.47E-02	1.31E-02	3.65E+00	3.69E+00	1.19E+01	8.64E+00	4.50E-01	2.47E+01	3.69E+00	1.36E-03	9.47E-02	1.31E-02	3.80E+00
2880	488900.84	3858666.64	3.36E+00	1.14E-03	9.52E-02	1.34E-02	3.47E+00	3.51E+00	1.17E+01	8.68E+00	4.57E-01	2.43E+01	3.50E+00	1.34E-03	9.52E-02	1.34E-02	3.61E+00
2881	488870.84	3858696.64	3.68E+00	1.19E-03	8.76E-02	1.34E-02	3.78E+00	3.84E+00	1.21E+01	7.99E+00	4.58E-01	2.44E+01	3.83E+00	1.39E-03	8.76E-02	1.34E-02	3.93E+00
2882	488900.84	3858696.64	3.53E+00	1.18E-03	8.99E-02	1.38E-02	3.63E+00	3.68E+00	1.20E+01	8.20E+00	4.70E-01	2.44E+01	3.67E+00	1.37E-03	8.99E-02	1.38E-02	3.78E+00
2883	488889.67	3858683.97	3.52E+00	1.16E-03	9.20E-02	1.35E-02	3.63E+00	3.68E+00	1.19E+01	8.39E+00	4.60E-01	2.44E+01	3.67E+00	1.36E-03	9.20E-02	1.35E-02	3.78E+00
2884	488919.67	3858683.97	3.34E+00	1.16E-03	9.25E-02	1.38E-02	3.45E+00	3.49E+00	1.18E+01	8.44E+00	4.73E-01	2.42E+01	3.48E+00	1.35E-03	9.25E-02	1.38E-02	3.59E+00
2885	488889.67	3858713.97	3.67E+00	1.20E-03	8.52E-02	1.38E-02	3.77E+00	3.83E+00	1.22E+01	7.77E+00	4.71E-01	2.43E+01	3.82E+00	1.40E-03	8.52E-02	1.38E-02	3.92E+00
2886	488919.67	3858713.97	3.51E+00	1.19E-03	8.74E-02	1.42E-02	3.62E+00	3.67E+00	1.21E+01	7.97E+00	4.87E-01	2.42E+01	3.66E+00	1.39E-03	8.74E-02	1.42E-02	3.76E+00
2887	488906.61	3858703.33	3.53E+00	1.18E-03	8.88E-02	1.39E-02	3.64E+00	3.68E+00	1.21E+01	8.10E+00	4.76E-01	2.43E+01	3.68E+00	1.38E-03	8.88E-02	1.39E-02	3.78E+00
2888	488936.61	3858703.33	3.34E+00	1.17E-03	8.98E-02	1.43E-02	3.45E+00	3.49E+00	1.19E+01	8.19E+00	4.91E-01	2.41E+01	3.48E+00	1.36E-03	8.98E-02	1.43E-02	3.59E+00
2889	488906.61	3858733.33	3.67E+00	1.21E-03	8.22E-02	1.42E-02	3.76E+00	3.83E+00	1.23E+01	7.49E+00	4.87E-01	2.41E+01	3.82E+00	1.41E-03	8.22E-02	1.42E-02	3.92E+00
2890	488936.61	3858733.33	3.53E+00	1.19E-03	8.46E-02	1.46E-02	3.63E+00	3.68E+00	1.22E+01	7.71E+00	5.00E-01	2.41E+01	3.67E+00	1.40E-03	8.46E-02	1.46E-02	3.77E+00
2891	488637.63	3858467.85	3.85E+00	1.13E-03	1.54E-01	1.27E-02	4.02E+00	4.02E+00	1.15E+01	1.40E+01	4.33E-01	3.00E+01	4.01E+00	1.32E-03	1.54E-01	1.27E-02	4.18E+00
2892	488662.63	3858467.85	3.76E+00	1.13E-03	1.50E-01	1.27E-02	3.93E+00	3.92E+00	1.15E+01	1.37E+01	4.36E-01	2.96E+01	3.92E+00	1.32E-03	1.50E-01	1.27E-02	4.08E+00
2893	488637.63	3858492.85	3.85E+00	1.15E-03	1.40E-01	1.30E-02	4.01E+00	4.02E+00	1.18E+01	1.28E+01	4.46E-01	2.90E+01	4.01E+00	1.35E-03	1.40E-01	1.30E-02	4.17E+00
2894	488662.63	3858492.85	3.82E+00	1.15E-03	1.41E-01	1.31E-02	3.97E+00	3.98E+00	1.17E+01	1.28E+01	4.49E-01	2.90E+01	3.97E+00	1.34E-03	1.41E-01	1.31E-02	4.13E+00
2895	488687.63	3858492.85	3.74E+00	1.14E-03	1.38E-01	1.32E-02	3.89E+00	3.90E+00	1.16E+01	1.26E+01	4.51E-01	2.86E+01	3.89E+00	1.33E-03	1.38E-01	1.32E-02	4.04E+00
2896	488637.63	3858517.85	3.84E+00	1.18E-03	1.24E-01	1.38E-02	3.98E+00	4.01E+00	1.20E+01	1.13E+01	4.72E-01	2.78E+01	4.00E+00	1.38E-03	1.24E-01	1.38E-02	4.14E+00
2897	488662.63	3858517.85	3.82E+00	1.17E-03	1.28E-01	1.39E-02	3.97E+00	3.99E+00	1.20E+01	1.17E+01	4.77E-01	2.81E+01	3.98E+00	1.37E-03	1.28E-01	1.39E-02	4.13E+00
2898	488687.63	3858517.85	3.78E+00	1.16E-03	1.29E-01	1.39E-02	3.93E+00	3.95E+00	1.19E+01	1.18E+01	4.76E-01	2.81E+01	3.94E+00	1.36E-03	1.29E-01	1.39E-02	4.08E+00
2899	488194.42	3857168.98	5.09E+00	5.00E-04	7.77E-02	8.74E-03	5.17E+00	5.31E+00	5.11E+00	7.09E+00	2.99E-01	1.78E+01	5.30E+00	5.85E-04	7.77E-02	8.74E-03	5.38E+00
2900	488244.42	3857168.98	4.96E+00	5.12E-04	7.74E-02	8.71E-03	5.04E+00	5.17E+00	5.23E+00	7.05E+00	2.98E-01	1.78E+01	5.16E+00	5.99E-04	7.74E-02	8.71E-03	5.25E+00
2901	488294.42	3857168.98	4.85E+00	5.11E-04	7.02E-02	8.78E-03	4.93E+00	5.06E+00	5.23E+00	6.40E+00	3.00E-01	1.70E+01	5.05E+00	5.98E-04	7.02E-02	8.78E-03	5.13E+00
2902	488244.42	3857218.98	5.07E+00	5.17E-04	7.95E-02	9.02E-03	5.16E+00	5.29E+00	5.28E+00	7.25E+00	3.08E-01	1.81E+01	5.28E+00	6.05E-04	7.95E-02	9.02E-03	5.37E+00
2903	488294.42	3857218.98	4.96E+00	5.20E-04	7.01E-02	9.10E-03	5.04E+00	5.18E+00	5.31E+00	6.40E+00	3.11E-01	1.72E+01	5.17E+00	6.08E-04	7.01E-02	9.10E-03	5.25E+00
2904	488294.42	3857268.98	5.07E+00	5.33E-04	6.93E-02	9.40E-03	5.15E+00	5.29E+00	5.45E+00	6.32E+00	3.22E-01	1.74E+01	5.28E+00	6.24E-04	6.93E-02	9.40E-03	5.36E+00
2905	488139.13	3857111.68	5.10E+00	4.78E-04	6.43E-02	9.08E-03	5.17E+00	5.32E+00	4.89E+00	5.87E+00	3.11E-01	1.64E+01	5.31E+00	5.60E-04	6.43E-02	9.08E-03	5.38E+00
2906	488189.13	3857111.68	4.98E+00	5.02E-04	7.26E-02	8.93E-03	5.06E+00	5.19E+00	5.12E+00	6.62E+00	3.05E-01	1.72E+01	5.18E+00	5.87E-04	7.26E-02	8.93E-03	5.26E+00
2907	488189.13	3857161.68	5.08E+00	4.99E-04	7.66E-02	8.79E-03	5.17E+00	5.30E+00	5.10E+00	6.99E+00	3.00E-01	1.77E+01	5.29E+00	5.84E-04	7.66E-02	8.79E-03	5.38E+00
2908	487951.04	3856961.26	5.25E+00	4.10E-04	7.45E-02	1.13E-02	5.34E+00	5.48E+00	4.18E+00	6.80E+00	3.87E-01	1.68E+01	5.47E+00	4.79E-04	7.45E-02	1.13E-02	5.55E+00
2909	488001.04	3856961.26	5.15E+00	4.16E-04	6.05E-02	1.11E-02	5.22E+00	5.37E+00	4.25E+00	5.52E+00	3.78E-01	1.55E+01	5.36E+00	4.87E-04	6.05E-02	1.11E-02	5.43E+00
2910	488051.04	3856961.26	5.06E+00	4.20E-04	5.28E-02	1.09E-02	5.13E+00	5.28E+00	4.29E+00	4.82E+00	3.73E-01	1.48E+01	5.27E+00	4.91E-04	5.28E-02	1.09E-02	5.34E+00
2911	488101.04	3856961.26	4.95E+00	4.53E-04	5.01E-02	1.05E-02	5.01E+00	5.16E+00	4.63E+00	4.57E+00	3.58E-01	1.47E+01	5.15E+00	5.30E-04	5.01E-02	1.05E-02	5.21E+00
2912	487951.04	3857011.26	5.33E+00	4.20E-04	7.80E-02	1.03E-02	5.42E+00	5.56E+00	4.29E+00	7.11E+00	3.53E-01	1.73E+01	5.55E+00	4.91E-04	7.80E-02	1.03E-02	5.64E+00
2913	488001.04	3857011.26	5.24E+00	4.20E-04	6.35E-02	1.02E-02	5.32E+00	5.47E+00	4.29E+00	5.79E+00	3.49E-01	1.59E+01	5.46E+00	4.91E-04	6.35E-02	1.02E-02	5.53E+00
2914	488051.04	3857011.26	5.15E+00	4.25E-04	5.55E-02	1.01E-02	5.22E+00	5.37E+00	4.35E+00	5.06E+00	3.45E-01	1.51E+01	5.36E+00	4.98E-04	5.55E-02	1.01E-02	5.43E+00
2915	488101.04	3857011.26	5.03E+00	4.59E-04	5.28E-02	9.76E-03	5.09E+00	5.25E+00	4.69E+00	4.81E+00	3.34E-01	1.51E+01	5.24E+00	5.37E-04	5.28E-02	9.76E-03	5.30E+00
2916	488001.04	3857061.26	5.32E+00	4.27E-04	6.66E-02	9.64E-03	5.40E+00	5.55E+00	4.36E+00	6.07E+00	3.30E-01	1.63E+01	5.54E+00	4.99E-04	6.66E-02	9.64E-03	5.62E+00
2917	488051.04	3857061.26	5.21E+00	4.42E-04	5.88E-02	9.46E-03	5.28E+00	5.44E+00	4.52E+00	5.36E+00	3.24E-01	1.56E+01	5.43E+00	5.17E-04	5.88E-02	9.46E-03	5.50E+00
2918	488101.04	3857061.26	5.10E+00	4.66E-04	5.57E-02	9.37E-03	5.17E+00	5.33E+00	4.76E+00	5.08E+00	3.21E-01	1.55E+01	5.31E+00	5.46E-04	5.57E-02	9.37E-03	5.38E+00
2919	487638.98	3856673.79	5.32E+00	3.51E-04	6.98E-02	1.66E-02	5.40E+00	5.55E+00	3.58E+00	6.36E+00	5.69E-01	1.61E+01	5.54E+00	4.10E-04	6.98E-02	1.66E-02	5.62E+00
2920	487688.98	3856673.79	5.22E+00	3.54E-04	6.83E-02	1.59E-02	5.31E+00	5.45E+00	3.62E+00	6.23E+00	5.45E-01	1.58E+01	5.44E+00	4.15E-04	6.83E-02	1.59E-02	5.52E+00
2921	487638.98	3856723.79	5.43E+00	3.59E-04	7.11E-02	1.66E-02	5.51E+00	5.66E+00	3.67E+00	6.48E+00	5.67E-01	1.64E+01	5.65E+00	4.20E-04	7.11E-02	1.66E-02	5.74E+00
2922	487688.98	3856723.79	5.33E+00	3.62E-04	6.92E-02	1.60E-02	5.41E+00	5.56E+00	3.70E+00	6.31E+00	5.47E-01	1.61E+01	5.55E+00	4.24E-04	6.92E-02	1.60E-02	5.63E+00
2923	486324.61	3855740.57	4.66E+00	2.15E-04	3.67E-02	2.80E-02	4.73E+00	4.87E+00	2.20E+00	3.34E+00	9.57E-01	1.14E+01	4.86E+00	2.52E-04	3.67E-02	2.80E-02	4.92E+00
2924	486374.61	3855740.57	4.26E+00	2.10E-04	3.69E-02	2.81E-02	4.32E+00	4.44E+00	2.14E+00	3.36E+00	9.60E-01	1.09E+01	4.43E+00	2.45E-04	3.69E-02	2.81E-02	4.50E+00

2925	486424.61	3855740.57	4.08E+00	2.07E-04	3.63E-02	2.78E-02	4.15E+00	4.26E+00	2.12E+00	3.31E+00	9.50E-01	1.06E+01	4.25E+00	2.43E-04	3.63E-02	2.78E-02	4.32E+00
2926	486324.61	3855790.57	4.89E+00	2.17E-04	3.89E-02	2.80E-02	4.96E+00	5.10E+00	2.22E+00	3.55E+00	9.56E-01	1.18E+01	5.09E+00	2.54E-04	3.89E-02	2.80E-02	5.16E+00
2927	486374.61	3855790.57	4.51E+00	2.12E-04	3.85E-02	2.83E-02	4.57E+00	4.70E+00	2.17E+00	3.51E+00	9.68E-01	1.13E+01	4.69E+00	2.48E-04	3.85E-02	2.83E-02	4.76E+00
2928	486424.61	3855790.57	4.42E+00	2.11E-04	3.62E-02	2.80E-02	4.48E+00	4.61E+00	2.15E+00	3.30E+00	9.56E-01	1.10E+01	4.60E+00	2.47E-04	3.62E-02	2.80E-02	4.67E+00
2929	486324.61	3855840.57	5.09E+00	2.19E-04	4.11E-02	2.89E-02	5.16E+00	5.31E+00	2.23E+00	3.75E+00	9.90E-01	1.23E+01	5.30E+00	2.56E-04	4.11E-02	2.89E-02	5.37E+00
2930	486374.61	3855840.57	4.96E+00	2.18E-04	3.89E-02	2.89E-02	5.02E+00	5.17E+00	2.22E+00	3.55E+00	9.87E-01	1.19E+01	5.16E+00	2.55E-04	3.89E-02	2.89E-02	5.23E+00
2931	486424.61	3855840.57	4.75E+00	2.15E-04	3.71E-02	2.89E-02	4.82E+00	4.96E+00	2.20E+00	3.38E+00	9.90E-01	1.15E+01	4.95E+00	2.52E-04	3.71E-02	2.89E-02	5.02E+00
2932	486324.61	3855890.57	5.48E+00	2.24E-04	4.03E-02	3.03E-02	5.55E+00	5.71E+00	2.28E+00	3.67E+00	1.04E+00	1.27E+01	5.70E+00	2.61E-04	4.03E-02	3.03E-02	5.77E+00
2933	486374.61	3855890.57	5.32E+00	2.23E-04	3.97E-02	3.00E-02	5.39E+00	5.55E+00	2.27E+00	3.62E+00	1.03E+00	1.25E+01	5.54E+00	2.60E-04	3.97E-02	3.00E-02	5.61E+00
2934	486424.61	3855890.57	5.11E+00	2.20E-04	3.81E-02	2.97E-02	5.17E+00	5.33E+00	2.25E+00	3.47E+00	1.02E+00	1.21E+01	5.32E+00	2.57E-04	3.81E-02	2.97E-02	5.38E+00
2935	488735.69	3858285.64	4.48E+00	9.84E-04	2.26E-01	1.22E-02	4.72E+00	4.68E+00	1.01E+01	2.06E+01	4.19E-01	3.57E+01	4.67E+00	1.15E-03	2.26E-01	1.22E-02	4.91E+00
2936	488765.69	3858285.64	4.53E+00	9.78E-04	2.18E-01	1.23E-02	4.76E+00	4.72E+00	9.99E+00	1.99E+01	4.22E-01	3.50E+01	4.71E+00	1.14E-03	2.18E-01	1.23E-02	4.95E+00
2937	488735.69	3858315.64	4.37E+00	1.00E-03	2.16E-01	1.25E-02	4.60E+00	4.56E+00	1.02E+01	1.97E+01	4.29E-01	3.49E+01	4.55E+00	1.17E-03	2.16E-01	1.25E-02	4.78E+00
2938	488765.69	3858315.64	4.43E+00	9.91E-04	2.14E-01	1.26E-02	4.66E+00	4.63E+00	1.01E+01	1.95E+01	4.33E-01	3.47E+01	4.62E+00	1.16E-03	2.14E-01	1.26E-02	4.84E+00
2939	478676.63	3849871.93	2.17E+00	4.14E-04	1.09E-02	5.74E-03	2.19E+00	2.27E+00	4.23E+00	9.95E-01	1.96E-01	7.69E+00	2.26E+00	4.85E-04	1.09E-02	5.74E-03	2.28E+00
2940	479326.63	3849871.93	3.25E+00	2.79E-04	1.03E-02	7.05E-03	3.27E+00	3.39E+00	2.85E+00	9.37E-01	2.41E-01	7.42E+00	3.38E+00	3.26E-04	1.03E-02	7.05E-03	3.40E+00
2941	479376.63	3849871.93	3.34E+00	2.67E-04	1.02E-02	7.03E-03	3.36E+00	3.49E+00	2.73E+00	9.27E-01	2.40E-01	7.38E+00	3.48E+00	3.13E-04	1.02E-02	7.03E-03	3.50E+00
2942	479426.63	3849871.93	3.38E+00	2.58E-04	1.01E-02	7.00E-03	3.40E+00	3.53E+00	2.64E+00	9.17E-01	2.39E-01	7.32E+00	3.52E+00	3.02E-04	1.01E-02	7.00E-03	3.54E+00
2943	478726.63	3849921.93	2.17E+00	4.21E-04	1.10E-02	5.69E-03	2.19E+00	2.27E+00	4.30E+00	1.00E+00	1.95E-01	7.76E+00	2.26E+00	4.92E-04	1.10E-02	5.69E-03	2.28E+00
2944	478776.63	3849921.93	2.27E+00	4.12E-04	1.10E-02	5.82E-03	2.29E+00	2.37E+00	4.21E+00	1.00E+00	1.99E-01	7.78E+00	2.36E+00	4.82E-04	1.10E-02	5.82E-03	2.38E+00
2945	478826.63	3849921.93	2.39E+00	4.02E-04	1.10E-02	6.00E-03	2.41E+00	2.49E+00	4.10E+00	1.00E+00	2.05E-01	7.80E+00	2.49E+00	4.70E-04	1.10E-02	6.00E-03	2.50E+00
2946	478976.63	3849921.93	2.67E+00	3.70E-04	1.09E-02	6.44E-03	2.69E+00	2.79E+00	3.78E+00	9.94E-01	2.20E-01	7.79E+00	2.78E+00	4.33E-04	1.09E-02	6.44E-03	2.80E+00
2947	479026.63	3849921.93	2.73E+00	3.66E-04	1.09E-02	6.44E-03	2.75E+00	2.85E+00	3.74E+00	9.90E-01	2.20E-01	7.80E+00	2.84E+00	4.28E-04	1.09E-02	6.44E-03	2.86E+00
2948	479076.63	3849921.93	2.80E+00	3.59E-04	1.08E-02	6.50E-03	2.81E+00	2.92E+00	3.67E+00	9.86E-01	2.22E-01	7.79E+00	2.91E+00	4.20E-04	1.08E-02	6.50E-03	2.93E+00
2949	479126.63	3849921.93	2.92E+00	3.51E-04	1.08E-02	6.58E-03	2.94E+00	3.05E+00	3.59E+00	9.81E-01	2.25E-01	7.84E+00	3.04E+00	4.11E-04	1.08E-02	6.58E-03	3.06E+00
2950	479176.63	3849921.93	3.03E+00	3.45E-04	1.07E-02	6.61E-03	3.05E+00	3.17E+00	3.53E+00	9.75E-01	2.26E-01	7.89E+00	3.16E+00	4.04E-04	1.07E-02	6.61E-03	3.18E+00
2951	479226.63	3849921.93	3.13E+00	3.26E-04	1.06E-02	6.79E-03	3.15E+00	3.27E+00	3.33E+00	9.68E-01	2.32E-01	7.80E+00	3.26E+00	3.82E-04	1.06E-02	6.79E-03	3.28E+00
2952	479276.63	3849921.93	3.18E+00	3.02E-04	1.05E-02	7.05E-03	3.20E+00	3.32E+00	3.08E+00	9.60E-01	2.41E-01	7.60E+00	3.31E+00	3.53E-04	1.05E-02	7.05E-03	3.33E+00
2953	479326.63	3849921.93	3.14E+00	3.09E-04	1.04E-02	6.82E-03	3.16E+00	3.28E+00	3.15E+00	9.52E-01	2.33E-01	7.62E+00	3.27E+00	3.61E-04	1.04E-02	6.82E-03	3.29E+00
2954	479376.63	3849921.93	3.27E+00	2.82E-04	1.03E-02	7.01E-03	3.28E+00	3.41E+00	2.89E+00	9.43E-01	2.40E-01	7.48E+00	3.40E+00	3.30E-04	1.03E-02	7.01E-03	3.42E+00
2955	479426.63	3849921.93	3.34E+00	2.81E-04	1.02E-02	6.88E-03	3.36E+00	3.48E+00	2.87E+00	9.33E-01	2.35E-01	7.52E+00	3.48E+00	3.29E-04	1.02E-02	6.88E-03	3.49E+00
2956	478726.63	3849971.93	2.06E+00	4.35E-04	1.10E-02	5.53E-03	2.07E+00	2.15E+00	4.44E+00	1.00E+00	1.89E-01	7.78E+00	2.14E+00	5.08E-04	1.10E-02	5.53E-03	2.16E+00
2957	478776.63	3849971.93	2.17E+00	4.26E-04	1.10E-02	5.66E-03	2.19E+00	2.27E+00	4.35E+00	1.00E+00	1.94E-01	7.82E+00	2.26E+00	4.98E-04	1.10E-02	5.66E-03	2.28E+00
2958	478826.63	3849971.93	2.27E+00	4.16E-04	1.10E-02	5.81E-03	2.29E+00	2.37E+00	4.25E+00	1.01E+00	1.99E-01	7.82E+00	2.37E+00	4.86E-04	1.10E-02	5.81E-03	2.38E+00
2959	478976.63	3849971.93	2.55E+00	3.96E-04	1.10E-02	6.13E-03	2.57E+00	2.66E+00	4.04E+00	1.00E+00	2.10E-01	7.92E+00	2.66E+00	4.63E-04	1.10E-02	6.13E-03	2.67E+00
2960	479026.63	3849971.93	2.66E+00	3.83E-04	1.10E-02	6.27E-03	2.67E+00	2.77E+00	3.92E+00	9.99E-01	2.15E-01	7.90E+00	2.76E+00	4.49E-04	1.10E-02	6.27E-03	2.78E+00
2961	479076.63	3849971.93	2.74E+00	3.71E-04	1.09E-02	6.39E-03	2.76E+00	2.86E+00	3.79E+00	9.96E-01	2.19E-01	7.86E+00	2.85E+00	4.34E-04	1.09E-02	6.39E-03	2.87E+00
2962	479126.63	3849971.93	2.80E+00	3.64E-04	1.09E-02	6.45E-03	2.82E+00	2.93E+00	3.72E+00	9.92E-01	2.21E-01	7.86E+00	2.92E+00	4.26E-04	1.09E-02	6.45E-03	2.94E+00
2963	479176.63	3849971.93	2.91E+00	3.56E-04	1.08E-02	6.49E-03	2.93E+00	3.04E+00	3.64E+00	9.86E-01	2.22E-01	7.89E+00	3.03E+00	4.17E-04	1.08E-02	6.49E-03	3.05E+00
2964	479226.63	3849971.93	3.11E+00	3.25E-04	1.07E-02	6.96E-03	3.12E+00	3.24E+00	3.32E+00	9.80E-01	2.38E-01	7.78E+00	3.24E+00	3.81E-04	1.07E-02	6.96E-03	3.25E+00
2965	479276.63	3849971.93	3.15E+00	3.32E-04	1.07E-02	6.75E-03	3.17E+00	3.29E+00	3.39E+00	9.74E-01	2.31E-01	7.88E+00	3.28E+00	3.89E-04	1.07E-02	6.75E-03	3.30E+00
2966	479326.63	3849971.93	3.13E+00	3.32E-04	1.06E-02	6.59E-03	3.15E+00	3.27E+00	3.39E+00	9.66E-01	2.25E-01	7.85E+00	3.26E+00	3.88E-04	1.06E-02	6.59E-03	3.28E+00
2967	479376.63	3849971.93	3.18E+00	3.06E-04	1.05E-02	6.87E-03	3.19E+00	3.31E+00	3.12E+00	9.58E-01	2.35E-01	7.63E+00	3.31E+00	3.57E-04	1.05E-02	6.87E-03	3.32E+00
2968	479426.63	3849971.93	3.25E+00	2.98E-04	1.04E-02	6.82E-03	3.27E+00	3.40E+00	3.04E+00	9.49E-01	2.33E-01	7.62E+00	3.39E+00	3.48E-04	1.04E-02	6.82E-03	3.41E+00
2969	478726.63	3850021.93	1.93E+00	4.48E-04	1.10E-02	5.37E-03	1.94E+00	2.01E+00	4.57E+00	1.01E+00	1.84E-01	7.77E+00	2.01E+00	5.24E-04	1.10E-02	5.37E-03	2.02E+00
2970	478776.63	3850021.93	2.06E+00	4.39E-04	1.11E-02	5.51E-03	2.07E+00	2.15E+00	4.49E+00	1.01E+00	1.89E-01	7.83E+00	2.14E+00	5.14E-04	1.11E-02	5.51E-03	2.16E+00
2971	478826.63	3850021.93	2.17E+00	4.31E-04	1.11E-02	5.64E-03	2.19E+00	2.27E+00	4.40E+00	1.01E+00	1.93E-01	7.87E+00	2.26E+00	5.04E-04	1.11E-02	5.64E-03	2.28E+00
2972	478976.63	3850021.93	2.47E+00	4.10E-04	1.11E-02	5.97E-03	2.48E+00	2.57E+00	4.19E+00	1.01E+00	2.04E-01	7.98E+00	2.57E+00	4.80E-04	1.11E-02	5.97E-03	2.59E+00
2973	478726.63	3850071.93	1.84E+00	4.61E-04	1.10E-02	5.22E-03	1.86E+00	1.92E+00	4.71E+00	1.01E+00	1.78E-01	7.82E+00	1.92E+00	5.39E-04	1.10E-02	5.22E-03	1.94E+00
2974	478776.63	3850071.93	1.92E+00	4.54E-04	1.11E-02	5.34E-03	1.94E+00	2.00E+00	4.64E+00	1.01E+00	1.82E-01	7.84E+00	2.00E+00	5.31E-04	1.11E-02	5.34E-03	2.02E+00
2975	478826.63	3850071.93	2.05E+00	4.46E-04	1.11E-02	5.47E-03	2.07E+00	2.14E+00	4.56E+00	1.01E+00	1.87E-01	7.90E+00	2.14E+00	5.22E-04	1.11E-02	5.47E-03	2.15E+00
2976	478876.63	3850071.93	2.17E+00	4.38E-04	1.11E-02	5.58E-03	2.18E+00	2.26E+00	4.48E+00	1.01E+00	1.91E-01	7.94E+00	2.26E+00	5.12E-04	1.11E-02	5.58E-03	2.27E+00
2977	478976.63	3850071.93	2.37E+00	4.25E-04	1.11E-02	5.79E-03	2.38E+00	2.47E+00	4.34E+00	1.02E+00	1.98E-01	8.02E+00	2.46E+00	4.97E-04	1.11E-02	5.79E-03	2.48E+00
2978	478726.63	3850121.93	1.83E+00	4.73E-04	1.10E-02	5.12E-03	1.84E+00	1.91E+00	4.83E+00	1.01E+00	1.75E-01	7.92E+00	1.90E+00	5.53E-04	1.10E-02	5.12E-03	1.92E+00
2979	478776.63	3850121.93	1.84E+00	4.68E-04	1.11E-02	5.18E-03	1.86E+00	1.92E+00	4.79E+00	1.01E+00	1.77E-01	7.89E+00	1.92E+00	5.48E-04	1.11E-02	5.18E-03	1.93E+00
2980	478826.63	3850121.93	1.92E+00	4.61E-04	1.11E-02	5.30E-03	1.94E+00	2.00E+00	4.71E+00	1.01E+00	1.81E-01	7.91E+00	2.00E+00	5.39E-04	1.11E-02	5.30E-03	2.02E+00
2981	478876.63	3850121.93	2.05E+00	4.52E-04	1.12E-02	5.43E-03	2.07E+00	2.14E+00	4.62E+00	1.02E+00	1.86E-01	7.96E+00	2.14E+00	5.29E-04	1.12E-02	5.43E-03	2.15E+00
2982	478976.63	3850121.93	2.26E+00	4.39E-04	1.12E-02	5.61E-03	2.28E+00	2.36E+00	4.49E+00	1.02E+00	1.92E-01	8.06E+00	2.35E+00	5.14E-04	1.12E-02	5.61E-03	2.37E+00
2983	479026.63	3850121.93	2.36E+00	4.33E-04	1.12E-02	5.71E-03	2.37E+00	2.46E+00	4.42E+00	1.02E+00	1.95E-01	8.10E+00	2.45E+00	5.06E-04	1.12E-02	5.71E-03	2.47E+00
2984	479076.63	3850121.93	2.45E+00	4.23E-04	1.12E-02	5.84E-03	2.47E+00	2.56E+00	4.33E+00	1.02E+00	2.00E-01	8.11E+00	2.56E+00	4.95E-04	1.12E-02	5.84E-03	2.57E+00
2985	479126.63	3850121.93	2.53E+00	4.14E-04	1.12E-02	5.95E-03	2.55E+00	2.64E+00	4.23E+00	1.02E+00	2.04E-01	8.09E+00	2.64E+00	4.84E-04	1.12E-02	5.95E-03	2.66E+00

2986	478776.63	3850171.93	1.84E+00	4.81E-04	1.11E-02	5.09E-03	1.85E+00	1.92E+00	4.91E+00	1.01E+00	1.74E-01	8.01E+00	1.91E+00	5.62E-04	1.11E-02	5.09E-03	1.93E+00
2987	478826.63	3850171.93	1.85E+00	4.74E-04	1.11E-02	5.16E-03	1.86E+00	1.93E+00	4.84E+00	1.02E+00	1.77E-01	7.96E+00	1.92E+00	5.55E-04	1.11E-02	5.16E-03	1.94E+00
2988	478876.63	3850171.93	1.92E+00	4.66E-04	1.12E-02	5.28E-03	1.94E+00	2.00E+00	4.77E+00	1.02E+00	1.80E-01	7.97E+00	2.00E+00	5.46E-04	1.12E-02	5.28E-03	2.02E+00
2989	478976.63	3850171.93	2.15E+00	4.54E-04	1.12E-02	5.43E-03	2.17E+00	2.25E+00	4.64E+00	1.02E+00	1.86E-01	8.10E+00	2.24E+00	5.32E-04	1.12E-02	5.43E-03	2.26E+00
2990	479026.63	3850171.93	2.25E+00	4.49E-04	1.13E-02	5.51E-03	2.27E+00	2.35E+00	4.59E+00	1.03E+00	1.89E-01	8.15E+00	2.35E+00	5.25E-04	1.13E-02	5.51E-03	2.36E+00
2991	479076.63	3850171.93	2.35E+00	4.40E-04	1.13E-02	5.65E-03	2.36E+00	2.45E+00	4.50E+00	1.03E+00	1.93E-01	8.16E+00	2.44E+00	5.15E-04	1.13E-02	5.65E-03	2.46E+00
2992	479126.63	3850171.93	2.44E+00	4.32E-04	1.12E-02	5.76E-03	2.46E+00	2.55E+00	4.41E+00	1.03E+00	1.97E-01	8.18E+00	2.54E+00	5.05E-04	1.12E-02	5.76E-03	2.56E+00
2993	479176.63	3850171.93	2.51E+00	4.24E-04	1.12E-02	5.82E-03	2.53E+00	2.62E+00	4.34E+00	1.02E+00	1.99E-01	8.18E+00	2.61E+00	4.96E-04	1.12E-02	5.82E-03	2.63E+00
2994	479226.63	3850171.93	2.60E+00	4.22E-04	1.12E-02	5.78E-03	2.61E+00	2.71E+00	4.31E+00	1.02E+00	1.98E-01	8.23E+00	2.70E+00	4.93E-04	1.12E-02	5.78E-03	2.72E+00
2995	479276.63	3850171.93	2.64E+00	4.18E-04	1.12E-02	5.72E-03	2.66E+00	2.75E+00	4.27E+00	1.02E+00	1.96E-01	8.24E+00	2.75E+00	4.89E-04	1.12E-02	5.72E-03	2.76E+00
2996	479326.63	3850171.93	2.73E+00	4.04E-04	1.11E-02	5.83E-03	2.74E+00	2.84E+00	4.13E+00	1.02E+00	1.99E-01	8.19E+00	2.84E+00	4.73E-04	1.11E-02	5.83E-03	2.86E+00
2997	479376.63	3850171.93	2.84E+00	3.93E-04	1.11E-02	5.95E-03	2.85E+00	2.96E+00	4.02E+00	1.01E+00	2.04E-01	8.19E+00	2.95E+00	4.60E-04	1.11E-02	5.95E-03	2.97E+00
2998	478676.63	3850221.93	1.92E+00	4.94E-04	1.09E-02	4.92E-03	1.93E+00	2.00E+00	5.05E+00	9.97E-01	1.68E-01	8.22E+00	2.00E+00	5.78E-04	1.09E-02	4.92E-03	2.01E+00
2999	478726.63	3850221.93	1.91E+00	4.96E-04	1.10E-02	4.96E-03	1.92E+00	1.99E+00	5.07E+00	1.00E+00	1.70E-01	8.23E+00	1.99E+00	5.80E-04	1.10E-02	4.96E-03	2.00E+00
3000	478976.63	3850221.93	2.03E+00	4.71E-04	1.13E-02	5.27E-03	2.05E+00	2.12E+00	4.81E+00	1.03E+00	1.80E-01	8.13E+00	2.11E+00	5.51E-04	1.13E-02	5.27E-03	2.13E+00
3001	479026.63	3850221.93	2.14E+00	4.64E-04	1.13E-02	5.33E-03	2.15E+00	2.23E+00	4.75E+00	1.03E+00	1.82E-01	8.19E+00	2.23E+00	5.43E-04	1.13E-02	5.33E-03	2.24E+00
3002	479076.63	3850221.93	2.24E+00	4.56E-04	1.13E-02	5.46E-03	2.26E+00	2.34E+00	4.66E+00	1.03E+00	1.87E-01	8.22E+00	2.34E+00	5.33E-04	1.13E-02	5.46E-03	2.35E+00
3003	479126.63	3850221.93	2.33E+00	4.48E-04	1.13E-02	5.57E-03	2.35E+00	2.43E+00	4.58E+00	1.03E+00	1.90E-01	8.24E+00	2.43E+00	5.25E-04	1.13E-02	5.57E-03	2.45E+00
3004	479176.63	3850221.93	2.41E+00	4.44E-04	1.13E-02	5.60E-03	2.43E+00	2.52E+00	4.54E+00	1.03E+00	1.92E-01	8.28E+00	2.51E+00	5.20E-04	1.13E-02	5.60E-03	2.53E+00
3005	479226.63	3850221.93	2.46E+00	4.39E-04	1.13E-02	5.62E-03	2.48E+00	2.57E+00	4.49E+00	1.03E+00	1.92E-01	8.28E+00	2.57E+00	5.14E-04	1.13E-02	5.62E-03	2.58E+00
3006	479276.63	3850221.93	2.54E+00	4.34E-04	1.13E-02	5.61E-03	2.56E+00	2.65E+00	4.43E+00	1.03E+00	1.92E-01	8.30E+00	2.65E+00	5.07E-04	1.13E-02	5.61E-03	2.66E+00
3007	479326.63	3850221.93	2.65E+00	4.19E-04	1.12E-02	5.73E-03	2.67E+00	2.77E+00	4.28E+00	1.02E+00	1.96E-01	8.27E+00	2.76E+00	4.90E-04	1.12E-02	5.73E-03	2.78E+00
3008	479376.63	3850221.93	2.73E+00	4.08E-04	1.12E-02	5.80E-03	2.74E+00	2.85E+00	4.16E+00	1.02E+00	1.98E-01	8.23E+00	2.84E+00	4.77E-04	1.12E-02	5.80E-03	2.86E+00
3009	478676.63	3850271.93	1.90E+00	5.01E-04	1.09E-02	4.85E-03	1.92E+00	1.98E+00	5.12E+00	9.92E-01	1.66E-01	8.26E+00	1.98E+00	5.86E-04	1.09E-02	4.85E-03	1.99E+00
3010	478726.63	3850271.93	1.91E+00	5.05E-04	1.10E-02	4.89E-03	1.93E+00	2.00E+00	5.16E+00	1.00E+00	1.67E-01	8.32E+00	1.99E+00	5.91E-04	1.10E-02	4.89E-03	2.01E+00
3011	478976.63	3850271.93	1.91E+00	4.84E-04	1.13E-02	5.15E-03	1.92E+00	1.99E+00	4.95E+00	1.03E+00	1.76E-01	8.14E+00	1.98E+00	5.67E-04	1.13E-02	5.15E-03	2.00E+00
3012	479026.63	3850271.93	2.01E+00	4.80E-04	1.13E-02	5.20E-03	2.03E+00	2.10E+00	4.90E+00	1.03E+00	1.78E-01	8.21E+00	2.09E+00	5.61E-04	1.13E-02	5.20E-03	2.11E+00
3013	479076.63	3850271.93	2.12E+00	4.72E-04	1.13E-02	5.27E-03	2.14E+00	2.21E+00	4.82E+00	1.04E+00	1.80E-01	8.25E+00	2.21E+00	5.52E-04	1.13E-02	5.27E-03	2.23E+00
3014	479126.63	3850271.93	2.22E+00	4.66E-04	1.14E-02	5.37E-03	2.24E+00	2.32E+00	4.76E+00	1.04E+00	1.83E-01	8.30E+00	2.31E+00	5.45E-04	1.14E-02	5.37E-03	2.33E+00
3015	479176.63	3850271.93	2.29E+00	4.61E-04	1.14E-02	5.43E-03	2.31E+00	2.39E+00	4.71E+00	1.04E+00	1.86E-01	8.32E+00	2.39E+00	5.39E-04	1.14E-02	5.43E-03	2.41E+00
3016	479226.63	3850271.93	2.37E+00	4.56E-04	1.14E-02	5.46E-03	2.38E+00	2.47E+00	4.66E+00	1.04E+00	1.87E-01	8.35E+00	2.46E+00	5.33E-04	1.14E-02	5.46E-03	2.48E+00
3017	479276.63	3850271.93	2.44E+00	4.48E-04	1.14E-02	5.52E-03	2.46E+00	2.54E+00	4.57E+00	1.04E+00	1.89E-01	8.34E+00	2.54E+00	5.24E-04	1.14E-02	5.52E-03	2.56E+00
3018	479326.63	3850271.93	2.55E+00	4.35E-04	1.13E-02	5.62E-03	2.57E+00	2.66E+00	4.44E+00	1.03E+00	1.92E-01	8.33E+00	2.66E+00	5.09E-04	1.13E-02	5.62E-03	2.67E+00
3019	479376.63	3850271.93	2.67E+00	4.19E-04	1.13E-02	5.76E-03	2.69E+00	2.79E+00	4.28E+00	1.03E+00	1.97E-01	8.29E+00	2.78E+00	4.90E-04	1.13E-02	5.76E-03	2.80E+00
3020	479053.24	3850293.52	2.01E+00	4.84E-04	1.14E-02	5.16E-03	2.03E+00	2.10E+00	4.94E+00	1.04E+00	1.76E-01	8.25E+00	2.09E+00	5.66E-04	1.14E-02	5.16E-03	2.11E+00
3021	479103.24	3850293.52	2.12E+00	4.77E-04	1.14E-02	5.23E-03	2.13E+00	2.21E+00	4.87E+00	1.04E+00	1.79E-01	8.30E+00	2.21E+00	5.58E-04	1.14E-02	5.23E-03	2.22E+00
3022	479153.24	3850293.52	2.22E+00	4.69E-04	1.14E-02	5.33E-03	2.23E+00	2.31E+00	4.80E+00	1.04E+00	1.82E-01	8.33E+00	2.31E+00	5.49E-04	1.14E-02	5.33E-03	2.33E+00
3023	479203.24	3850293.52	2.28E+00	4.65E-04	1.14E-02	5.38E-03	2.30E+00	2.38E+00	4.75E+00	1.04E+00	1.84E-01	8.36E+00	2.38E+00	5.44E-04	1.14E-02	5.38E-03	2.40E+00
3024	479253.24	3850293.52	2.36E+00	4.58E-04	1.14E-02	5.43E-03	2.38E+00	2.46E+00	4.68E+00	1.04E+00	1.86E-01	8.37E+00	2.46E+00	5.36E-04	1.14E-02	5.43E-03	2.48E+00
3025	479303.24	3850293.52	2.45E+00	4.47E-04	1.14E-02	5.53E-03	2.47E+00	2.56E+00	4.57E+00	1.04E+00	1.89E-01	8.35E+00	2.55E+00	5.23E-04	1.14E-02	5.53E-03	2.57E+00
3026	479353.24	3850293.52	2.57E+00	4.33E-04	1.14E-02	5.66E-03	2.59E+00	2.69E+00	4.42E+00	1.04E+00	1.94E-01	8.34E+00	2.68E+00	5.06E-04	1.14E-02	5.66E-03	2.70E+00
3027	479153.24	3850343.52	2.09E+00	4.86E-04	1.14E-02	5.15E-03	2.11E+00	2.18E+00	4.96E+00	1.04E+00	1.76E-01	8.37E+00	2.18E+00	5.69E-04	1.14E-02	5.15E-03	2.20E+00
3028	479203.24	3850343.52	2.07E+00	4.81E-04	1.15E-02	5.22E-03	2.09E+00	2.16E+00	4.91E+00	1.04E+00	1.78E-01	8.29E+00	2.16E+00	5.62E-04	1.15E-02	5.22E-03	2.17E+00
3029	479253.24	3850343.52	2.27E+00	4.71E-04	1.15E-02	5.32E-03	2.29E+00	2.37E+00	4.81E+00	1.05E+00	1.82E-01	8.41E+00	2.36E+00	5.51E-04	1.15E-02	5.32E-03	2.38E+00
3030	479303.24	3850343.52	2.37E+00	4.60E-04	1.15E-02	5.44E-03	2.38E+00	2.47E+00	4.70E+00	1.05E+00	1.86E-01	8.40E+00	2.46E+00	5.38E-04	1.15E-02	5.44E-03	2.48E+00
3031	479353.24	3850343.52	2.47E+00	4.47E-04	1.14E-02	5.56E-03	2.48E+00	2.57E+00	4.57E+00	1.04E+00	1.90E-01	8.38E+00	2.57E+00	5.23E-04	1.14E-02	5.56E-03	2.59E+00
3032	479203.24	3850393.52	2.00E+00	4.94E-04	1.15E-02	5.09E-03	2.01E+00	2.08E+00	5.05E+00	1.05E+00	1.74E-01	8.35E+00	2.08E+00	5.78E-04	1.15E-02	5.09E-03	2.10E+00
3033	479253.24	3850393.52	2.08E+00	4.85E-04	1.15E-02	5.20E-03	2.10E+00	2.17E+00	4.95E+00	1.05E+00	1.78E-01	8.35E+00	2.16E+00	5.67E-04	1.15E-02	5.20E-03	2.18E+00
3034	479303.24	3850393.52	2.15E+00	4.74E-04	1.15E-02	5.32E-03	2.17E+00	2.24E+00	4.84E+00	1.05E+00	1.82E-01	8.32E+00	2.24E+00	5.55E-04	1.15E-02	5.32E-03	2.25E+00
3035	479353.24	3850393.52	2.37E+00	4.62E-04	1.15E-02	5.45E-03	2.39E+00	2.47E+00	4.72E+00	1.05E+00	1.86E-01	8.43E+00	2.47E+00	5.40E-04	1.15E-02	5.45E-03	2.48E+00
3036	479403.24	3850393.52	2.47E+00	4.49E-04	1.15E-02	5.57E-03	2.49E+00	2.58E+00	4.59E+00	1.05E+00	1.90E-01	8.41E+00	2.57E+00	5.25E-04	1.15E-02	5.57E-03	2.59E+00
3037	479453.24	3850393.52	2.60E+00	4.33E-04	1.15E-02	5.71E-03	2.62E+00	2.72E+00	4.42E+00	1.05E+00	1.95E-01	8.38E+00	2.71E+00	5.06E-04	1.15E-02	5.71E-03	2.73E+00
3038	479503.24	3850393.52	2.74E+00	4.15E-04	1.15E-02	5.87E-03	2.76E+00	2.86E+00	4.24E+00	1.05E+00	2.01E-01	8.35E+00	2.86E+00	4.85E-04	1.15E-02	5.87E-03	2.88E+00
3039	479303.24	3850443.52	2.09E+00	4.86E-04	1.16E-02	5.22E-03	2.10E+00	2.18E+00	4.96E+00	1.06E+00	1.79E-01	8.37E+00	2.17E+00	5.68E-04	1.16E-02	5.22E-03	2.19E+00
3040	479353.24	3850443.52	2.29E+00	4.73E-04	1.16E-02	5.38E-03	2.30E+00	2.39E+00	4.83E+00	1.06E+00	1.84E-01	8.46E+00	2.38E+00	5.53E-04	1.16E-02	5.38E-03	2.40E+00
3041	479403.24	3850443.52	2.40E+00	4.58E-04	1.16E-02	5.53E-03	2.42E+00	2.51E+00	4.68E+00	1.06E+00	1.89E-01	8.44E+00	2.50E+00	5.36E-04	1.16E-02	5.53E-03	2.52E+00
3042	479453.24	3850443.52	2.52E+00	4.43E-04	1.16E-02	5.69E-03	2.53E+00	2.62E+00	4.53E+00	1.06E+00	1.94E-01	8.40E+00	2.62E+00	5.19E-04	1.16E-02	5.69E-03	2.64E+00
3043	479503.24	3850443.52	2.65E+00	4.26E-04	1.16E-02	5.84E-03	2.67E+00	2.77E+00	4.36E+00	1.05E+00	2.00E-01	8.38E+00	2.76E+00	4.99E-04	1.16E-02	5.84E-03	2.78E+00
3044	480327.18	3850987.04	2.91E+00	4.09E-04	1.21E-02	5.37E-03	2.93E+00	3.04E+00	4.18E+00	1.10E+00	1.84E-01	8.50E+00	3.03E+00	4.78E-04	1.21E-02	5.37E-03	3.05E+00
3045	480377.18	3850987.04	2.95E+00	3.93E-04	1.20E-02	5.42E-03	2.96E+00	3.07E+00	4.01E+00	1.09E+00	1.85E-01	8.37E+00	3.07E+00	4.60E-04	1.20E-02	5.42E-03	3.08E+00
3046	480427.18	3850987.04	2.95E+00	3.83E-04	1.19E-02	5.49E-03	2.97E+00	3.08E+00	3.91E+00	1.08E+00	1.88E-01	8.26E+00	3.07E+00	4.48E-04	1.19E-02	5.49E-03	3.09E+00

3047	480477.18	3850987.04	2.98E+00	3.76E-04	1.18E-02	5.57E-03	2.99E+00	3.10E+00	3.84E+00	1.08E+00	1.90E-01	8.21E+00	3.10E+00	4.40E-04	1.18E-02	5.57E-03	3.12E+00
3048	480327.18	3851037.04	2.84E+00	4.23E-04	1.22E-02	5.30E-03	2.86E+00	2.96E+00	4.32E+00	1.11E+00	1.81E-01	8.58E+00	2.96E+00	4.95E-04	1.22E-02	5.30E-03	2.97E+00
3049	480377.18	3851037.04	2.92E+00	4.09E-04	1.22E-02	5.37E-03	2.93E+00	3.04E+00	4.18E+00	1.11E+00	1.83E-01	8.51E+00	3.04E+00	4.78E-04	1.22E-02	5.37E-03	3.05E+00
3050	480427.18	3851037.04	2.96E+00	3.91E-04	1.21E-02	5.43E-03	2.98E+00	3.09E+00	4.00E+00	1.10E+00	1.86E-01	8.37E+00	3.08E+00	4.58E-04	1.21E-02	5.43E-03	3.10E+00
3051	480477.18	3851037.04	2.96E+00	3.87E-04	1.20E-02	5.48E-03	2.98E+00	3.09E+00	3.95E+00	1.09E+00	1.87E-01	8.32E+00	3.08E+00	4.53E-04	1.20E-02	5.48E-03	3.10E+00
3052	480622.06	3851087.39	3.02E+00	3.80E-04	1.18E-02	5.52E-03	3.04E+00	3.15E+00	3.88E+00	1.08E+00	1.89E-01	8.30E+00	3.14E+00	4.44E-04	1.18E-02	5.52E-03	3.16E+00
3053	480672.06	3851087.39	3.06E+00	3.71E-04	1.17E-02	5.65E-03	3.08E+00	3.19E+00	3.79E+00	1.07E+00	1.93E-01	8.24E+00	3.19E+00	4.34E-04	1.17E-02	5.65E-03	3.21E+00
3054	480622.06	3851137.39	2.99E+00	3.96E-04	1.20E-02	5.43E-03	3.01E+00	3.12E+00	4.05E+00	1.10E+00	1.86E-01	8.45E+00	3.12E+00	4.63E-04	1.20E-02	5.43E-03	3.14E+00
3055	480672.06	3851137.39	3.02E+00	3.84E-04	1.19E-02	5.46E-03	3.04E+00	3.15E+00	3.93E+00	1.09E+00	1.87E-01	8.35E+00	3.15E+00	4.50E-04	1.19E-02	5.46E-03	3.16E+00
3056	480722.06	3851137.39	3.06E+00	3.76E-04	1.18E-02	5.57E-03	3.08E+00	3.19E+00	3.84E+00	1.08E+00	1.91E-01	8.30E+00	3.19E+00	4.40E-04	1.18E-02	5.57E-03	3.20E+00
3057	480622.06	3851187.39	2.97E+00	4.10E-04	1.22E-02	5.36E-03	2.98E+00	3.09E+00	4.19E+00	1.12E+00	1.83E-01	8.58E+00	3.09E+00	4.79E-04	1.22E-02	5.36E-03	3.11E+00
3058	480672.06	3851187.39	2.99E+00	4.02E-04	1.21E-02	5.38E-03	3.01E+00	3.12E+00	4.10E+00	1.11E+00	1.84E-01	8.52E+00	3.11E+00	4.70E-04	1.21E-02	5.38E-03	3.13E+00
3059	480722.06	3851187.39	3.03E+00	3.91E-04	1.20E-02	5.38E-03	3.05E+00	3.16E+00	4.00E+00	1.10E+00	1.84E-01	8.44E+00	3.15E+00	4.58E-04	1.20E-02	5.38E-03	3.17E+00
3060	471363.09	3845877.25	6.80E-01	1.21E-04	4.92E-03	3.64E-03	6.89E-01	7.10E-01	1.23E+00	4.49E-01	1.25E-01	2.52E+00	7.09E-01	1.41E-04	4.92E-03	3.64E-03	7.17E-01
3061	471863.09	3845877.25	5.32E-01	1.27E-04	5.32E-03	3.69E-03	5.41E-01	5.55E-01	1.29E+00	4.85E-01	1.26E-01	2.46E+00	5.54E-01	1.48E-04	5.32E-03	3.69E-03	5.63E-01
3062	472363.09	3845877.25	7.36E-01	1.23E-04	5.97E-03	3.66E-03	7.46E-01	7.68E-01	1.26E+00	5.45E-01	1.25E-01	2.70E+00	7.67E-01	1.44E-04	5.97E-03	3.66E-03	7.76E-01
3063	472863.09	3845877.25	5.89E-01	8.00E-05	6.75E-03	3.57E-03	6.00E-01	6.15E-01	8.17E-01	6.16E-01	1.22E-01	2.17E+00	6.14E-01	9.36E-05	6.75E-03	3.57E-03	6.24E-01
3064	473363.09	3845877.25	6.02E-01	7.92E-05	7.35E-03	3.34E-03	6.13E-01	6.28E-01	8.09E-01	6.71E-01	1.14E-01	2.22E+00	6.27E-01	9.26E-05	7.35E-03	3.34E-03	6.37E-01
3065	473863.09	3845877.25	7.44E-01	1.00E-04	7.68E-03	2.99E-03	7.54E-01	7.76E-01	1.02E+00	7.00E-01	1.02E-01	2.60E+00	7.74E-01	1.17E-04	7.68E-03	2.99E-03	7.85E-01
3066	474363.09	3845877.25	8.43E-01	1.24E-04	7.67E-03	2.59E-03	8.54E-01	8.80E-01	1.27E+00	6.99E-01	8.87E-02	2.94E+00	8.78E-01	1.45E-04	7.67E-03	2.59E-03	8.88E-01
3067	474863.09	3845877.25	1.08E+00	1.28E-04	7.31E-03	3.06E-03	1.09E+00	1.13E+00	1.30E+00	6.67E-01	1.05E-01	3.20E+00	1.13E+00	1.49E-04	7.31E-03	3.06E-03	1.14E+00
3068	475363.09	3845877.25	1.44E+00	1.32E-04	6.66E-03	4.24E-03	1.45E+00	1.50E+00	1.35E+00	6.08E-01	1.45E-01	3.60E+00	1.50E+00	1.55E-04	6.66E-03	4.24E-03	1.51E+00
3069	475863.09	3845877.25	1.40E+00	1.07E-04	5.83E-03	4.50E-03	1.41E+00	1.46E+00	1.09E+00	5.32E-01	1.54E-01	3.23E+00	1.45E+00	1.25E-04	5.83E-03	4.50E-03	1.46E+00
3070	476363.09	3845877.25	1.30E+00	9.43E-05	4.96E-03	3.96E-03	1.31E+00	1.36E+00	9.63E-01	4.53E-01	1.35E-01	2.91E+00	1.36E+00	1.10E-04	4.96E-03	3.96E-03	1.37E+00
3071	476863.09	3845877.25	1.17E+00	8.61E-05	5.97E-03	3.36E-03	1.18E+00	1.22E+00	8.80E-01	5.45E-01	1.15E-01	2.76E+00	1.21E+00	1.01E-04	5.97E-03	3.36E-03	1.22E+00
3072	477363.09	3845877.25	9.22E-01	8.29E-05	9.07E-03	3.03E-03	9.35E-01	9.62E-01	8.47E-01	8.27E-01	1.04E-01	2.74E+00	9.61E-01	9.70E-05	9.07E-03	3.03E-03	9.73E-01
3073	477863.09	3845877.25	7.45E-01	7.33E-05	1.02E-02	2.65E-03	7.58E-01	7.78E-01	7.49E-01	9.28E-01	9.07E-02	2.55E+00	7.76E-01	8.58E-05	1.02E-02	2.65E-03	7.89E-01
3074	478363.09	3845877.25	8.28E-01	7.05E-05	8.82E-03	2.50E-03	8.39E-01	8.64E-01	7.20E-01	8.04E-01	8.56E-02	2.47E+00	8.62E-01	8.24E-05	8.82E-03	2.50E-03	8.74E-01
3075	478863.09	3845877.25	6.83E-01	6.11E-05	7.18E-03	2.77E-03	6.93E-01	7.13E-01	6.24E-01	6.55E-01	9.46E-02	2.09E+00	7.11E-01	7.15E-05	7.18E-03	2.77E-03	7.21E-01
3076	479363.09	3845877.25	6.10E-01	5.10E-05	6.55E-03	2.91E-03	6.20E-01	6.37E-01	5.21E-01	5.98E-01	9.94E-02	1.85E+00	6.35E-01	5.96E-05	6.55E-03	2.91E-03	6.45E-01
3077	479863.09	3845877.25	4.40E-01	5.84E-05	5.78E-03	3.03E-03	4.49E-01	4.60E-01	5.97E-01	5.27E-01	1.04E-01	1.69E+00	4.59E-01	6.83E-05	5.78E-03	3.03E-03	4.68E-01
3078	480363.09	3845877.25	3.44E-01	5.41E-05	5.51E-03	3.30E-03	3.52E-01	3.58E-01	5.53E-01	5.03E-01	1.13E-01	1.53E+00	3.58E-01	6.33E-05	5.51E-03	3.30E-03	3.67E-01
3079	480863.09	3845877.25	2.57E-01	4.58E-05	6.78E-03	3.62E-03	2.67E-01	2.68E-01	4.68E-01	6.18E-01	1.24E-01	1.48E+00	2.67E-01	5.36E-05	6.78E-03	3.62E-03	2.78E-01
3080	481363.09	3845877.25	2.23E-01	3.84E-05	8.00E-03	3.42E-03	2.34E-01	2.32E-01	3.92E-01	7.30E-01	1.17E-01	1.47E+00	2.32E-01	4.49E-05	8.00E-03	3.42E-03	2.43E-01
3081	481863.09	3845877.25	2.64E-01	5.39E-05	8.72E-03	3.05E-03	2.76E-01	2.76E-01	5.51E-01	7.95E-01	1.04E-01	1.73E+00	2.75E-01	6.31E-05	8.72E-03	3.05E-03	2.87E-01
3082	482363.09	3845877.25	3.06E-01	6.45E-05	8.57E-03	2.81E-03	3.17E-01	3.19E-01	6.59E-01	7.82E-01	9.62E-02	1.86E+00	3.18E-01	7.55E-05	8.57E-03	2.81E-03	3.30E-01
3083	482863.09	3845877.25	2.13E-01	6.39E-05	8.43E-03	2.87E-03	2.24E-01	2.22E-01	6.53E-01	7.69E-01	9.83E-02	1.74E+00	2.22E-01	7.47E-05	8.43E-03	2.87E-03	2.33E-01
3084	483363.09	3845877.25	1.96E-01	5.42E-05	9.67E-03	2.60E-03	2.09E-01	2.05E-01	5.54E-01	8.82E-01	8.88E-02	1.73E+00	2.05E-01	6.34E-05	9.67E-03	2.60E-03	2.17E-01
3085	483863.09	3845877.25	2.58E-01	4.70E-05	1.17E-02	3.13E-03	2.73E-01	2.70E-01	4.80E-01	1.07E+00	1.07E-01	1.93E+00	2.69E-01	5.50E-05	1.17E-02	3.13E-03	2.84E-01
3086	484363.09	3845877.25	2.71E-01	4.48E-05	1.24E-02	3.32E-03	2.87E-01	2.83E-01	4.58E-01	1.13E+00	1.13E-01	1.99E+00	2.82E-01	5.24E-05	1.24E-02	3.32E-03	2.98E-01
3087	484863.09	3845877.25	2.80E-01	5.43E-05	1.15E-02	3.28E-03	2.95E-01	2.92E-01	5.55E-01	1.04E+00	1.12E-01	2.00E+00	2.92E-01	6.35E-05	1.15E-02	3.28E-03	3.06E-01
3088	485363.09	3845877.25	2.93E-01	5.46E-05	8.92E-03	3.21E-03	3.06E-01	3.06E-01	5.58E-01	8.13E-01	1.10E-01	1.79E+00	3.06E-01	6.39E-05	8.92E-03	3.21E-03	3.18E-01
3089	485863.09	3845877.25	2.42E-01	5.23E-05	7.34E-03	3.08E-03	2.52E-01	2.53E-01	5.34E-01	6.70E-01	1.05E-01	1.56E+00	2.52E-01	6.12E-05	7.34E-03	3.08E-03	2.62E-01
3090	486363.09	3845877.25	2.30E-01	5.77E-05	7.91E-03	2.80E-03	2.41E-01	2.40E-01	5.89E-01	7.22E-01	9.56E-02	1.65E+00	2.40E-01	6.75E-05	7.91E-03	2.80E-03	2.50E-01
3091	486863.09	3845877.25	1.68E-01	5.45E-05	7.50E-03	2.67E-03	1.78E-01	1.75E-01	5.57E-01	6.84E-01	9.14E-02	1.51E+00	1.75E-01	6.38E-05	7.50E-03	2.67E-03	1.85E-01
3092	487363.09	3845877.25	1.44E-01	4.31E-05	6.86E-03	2.72E-03	1.54E-01	1.51E-01	4.41E-01	6.26E-01	9.29E-02	1.31E+00	1.50E-01	5.05E-05	6.86E-03	2.72E-03	1.60E-01
3093	487863.09	3845877.25	1.01E-01	3.05E-05	7.74E-03	2.44E-03	1.12E-01	1.06E-01	3.11E-01	7.06E-01	8.36E-02	1.21E+00	1.06E-01	3.57E-05	7.74E-03	2.44E-03	1.16E-01
3094	488363.09	3845877.25	9.64E-02	2.70E-05	8.62E-03	2.28E-03	1.07E-01	1.01E-01	2.76E-01	7.86E-01	7.80E-02	1.24E+00	1.00E-01	3.16E-05	8.62E-03	2.28E-03	1.11E-01
3095	488863.09	3845877.25	1.14E-01	3.48E-05	1.37E-02	2.63E-03	1.30E-01	1.19E-01	3.56E-01	1.25E+00	9.00E-02	1.82E+00	1.19E-01	4.07E-05	1.37E-02	2.63E-03	1.35E-01
3096	489363.09	3845877.25	1.15E-01	3.23E-05	1.34E-02	2.69E-03	1.32E-01	1.20E-01	3.30E-01	1.22E+00	9.19E-02	1.76E+00	1.20E-01	3.78E-05	1.34E-02	2.69E-03	1.36E-01
3097	489863.09	3845877.25	1.13E-01	2.31E-05	1.25E-02	2.53E-03	1.28E-01	1.18E-01	2.36E-01	1.14E+00	8.66E-02	1.58E+00	1.18E-01	2.71E-05	1.25E-02	2.53E-03	1.33E-01
3098	490363.09	3845877.25	8.57E-02	2.71E-05	8.50E-03	2.02E-03	9.62E-02	8.94E-02	2.77E-01	7.75E-01	6.93E-02	1.21E+00	8.92E-02	3.17E-05	8.50E-03	2.02E-03	9.98E-02
3099	490863.09	3845877.25	9.17E-02	3.05E-05	7.27E-03	1.90E-03	1.01E-01	9.57E-02	3.12E-01	6.63E-01	6.49E-02	1.14E+00	9.55E-02	3.57E-05	7.27E-03	1.90E-03	1.05E-01
3100	491363.09	3845877.25	1.11E-01	3.46E-05	7.54E-03	2.10E-03	1.21E-01	1.16E-01	3.53E-01	6.87E-01	7.17E-02	1.23E+00	1.16E-01	4.05E-05	7.54E-03	2.10E-03	1.25E-01
3101	491863.09	3845877.25	1.55E-01	3.79E-05	8.30E-03	2.16E-03	1.65E-01	1.61E-01	3.88E-01	7.57E-01	7.37E-02	1.38E+00	1.61E-01	4.44E-05	8.30E-03	2.16E-03	1.72E-01
3102	492363.09	3845877.25	1.96E-01	4.17E-05	7.40E-03	2.12E-03	2.06E-01	2.05E-01	4.26E-01	6.75E-01	7.25E-02	1.38E+00	2.05E-01	4.88E-05	7.40E-03	2.12E-03	2.14E-01
3103	492863.09	3845877.25	2.38E-01	3.98E-05	7.08E-03	2.22E-03	2.47E-01	2.48E-01	4.06E-01	6.46E-01	7.58E-02	1.38E+00	2.48E-01	4.65E-05	7.08E-03	2.22E-03	2.57E-01
3104	493363.09	3845877.25	2.42E-01	3.42E-05	7.12E-03	1.99E-03	2.51E-01	2.53E-01	3.49E-01	6.50E-01	6.80E-02	1.32E+00	2.52E-01	4.00E-05	7.12E-03	1.99E-03	2.61E-01
3105	493863.09	3845877.25	2.37E-01	3.05E-05	7.14E-03	1.86E-03	2.46E-01	2.47E-01	3.12E-01	6.51E-01	6.35E-02	1.27E+00	2.46E-01	3.57E-05	7.14E-03	1.86E-03	2.55E-01
3106	494363.09	3845877.25	2.30E-01	2.81E-05	6.48E-03	1.92E-03	2.38E-01	2.39E-01	2.87E-01	5.91E-01	6.56E-02	1.18E+00	2.39E-01	3.29E-05	6.48E-03	1.92E-03	2.47E-01
3107	494863.09	3845877.25	2.10E-01	2.72E-05	6.94E-03	1.92E-03	2.19E-01	2.20E-01	2.78E-01	6.33E-01	6.58E-02	1.20E+00	2.19E-01	3.19E-05	6.94E-03	1.92E-03	2.28E-01

3108	495363.09	3845877.25	1.77E-01	2.91E-05	7.79E-03	1.93E-03	1.86E-01	1.84E-01	2.97E-01	7.11E-01	6.60E-02	1.26E+00	1.84E-01	3.40E-05	7.79E-03	1.93E-03	1.94E-01
3109	495863.09	3845877.25	1.41E-01	3.51E-05	7.94E-03	1.98E-03	1.51E-01	1.47E-01	3.58E-01	7.24E-01	6.77E-02	1.30E+00	1.47E-01	4.10E-05	7.94E-03	1.98E-03	1.57E-01
3110	496363.09	3845877.25	1.20E-01	4.23E-05	8.46E-03	1.98E-03	1.30E-01	1.25E-01	4.32E-01	7.72E-01	6.78E-02	1.40E+00	1.25E-01	4.94E-05	8.46E-03	1.98E-03	1.35E-01
3111	496863.09	3845877.25	1.17E-01	4.61E-05	1.00E-02	2.05E-03	1.29E-01	1.22E-01	4.71E-01	9.12E-01	7.03E-02	1.58E+00	1.22E-01	5.39E-05	1.00E-02	2.05E-03	1.34E-01
3112	497363.09	3845877.25	1.28E-01	4.60E-05	1.11E-02	2.28E-03	1.42E-01	1.34E-01	4.69E-01	1.01E+00	7.80E-02	1.69E+00	1.33E-01	5.38E-05	1.11E-02	2.28E-03	1.47E-01
3113	497863.09	3845877.25	1.32E-01	4.56E-05	1.10E-02	2.46E-03	1.46E-01	1.38E-01	4.66E-01	1.00E+00	8.40E-02	1.69E+00	1.38E-01	5.33E-05	1.10E-02	2.46E-03	1.51E-01
3114	498363.09	3845877.25	1.39E-01	4.84E-05	9.84E-03	2.51E-03	1.51E-01	1.45E-01	4.94E-01	8.98E-01	8.59E-02	1.62E+00	1.45E-01	5.66E-05	9.84E-03	2.51E-03	1.57E-01
3115	471363.09	3846377.25	9.33E-01	2.28E-04	5.16E-03	3.54E-03	9.42E-01	9.74E-01	2.33E+00	4.70E-01	1.21E-01	3.89E+00	9.72E-01	2.66E-04	5.16E-03	3.54E-03	9.81E-01
3116	471863.09	3846377.25	1.17E+00	1.89E-04	5.05E-03	3.76E-03	1.18E+00	1.22E+00	1.93E+00	4.61E-01	1.29E-01	3.74E+00	1.22E+00	2.21E-04	5.05E-03	3.76E-03	1.23E+00
3117	472363.09	3846377.25	5.78E-01	1.30E-04	5.42E-03	3.83E-03	5.87E-01	6.03E-01	1.33E+00	4.95E-01	1.31E-01	2.56E+00	6.02E-01	1.52E-04	5.42E-03	3.83E-03	6.11E-01
3118	472863.09	3846377.25	6.34E-01	1.20E-04	5.96E-03	3.79E-03	6.44E-01	6.61E-01	1.22E+00	5.44E-01	1.30E-01	2.56E+00	6.60E-01	1.40E-04	5.96E-03	3.79E-03	6.70E-01
3119	473363.09	3846377.25	8.03E-01	9.53E-05	6.83E-03	3.72E-03	8.13E-01	8.38E-01	9.73E-01	6.23E-01	1.27E-01	2.56E+00	8.36E-01	1.11E-04	6.83E-03	3.72E-03	8.47E-01
3120	473863.09	3846377.25	8.06E-01	1.02E-04	7.53E-03	3.50E-03	8.17E-01	8.41E-01	1.05E+00	6.86E-01	1.20E-01	2.69E+00	8.39E-01	1.20E-04	7.53E-03	3.50E-03	8.50E-01
3121	474363.09	3846377.25	8.48E-01	1.31E-04	7.94E-03	3.12E-03	8.59E-01	8.84E-01	1.34E+00	7.24E-01	1.07E-01	3.05E+00	8.83E-01	1.53E-04	7.94E-03	3.12E-03	8.94E-01
3122	474863.09	3846377.25	1.01E+00	1.53E-04	7.99E-03	2.72E-03	1.02E+00	1.06E+00	1.57E+00	7.29E-01	9.31E-02	3.45E+00	1.05E+00	1.80E-04	7.99E-03	2.72E-03	1.06E+00
3123	475363.09	3846377.25	1.29E+00	1.51E-04	7.65E-03	3.73E-03	1.30E+00	1.35E+00	1.54E+00	6.98E-01	1.28E-01	3.72E+00	1.35E+00	1.77E-04	7.65E-03	3.73E-03	1.36E+00
3124	475863.09	3846377.25	1.67E+00	1.53E-04	6.99E-03	5.05E-03	1.68E+00	1.74E+00	1.56E+00	6.37E-01	1.73E-01	4.11E+00	1.74E+00	1.79E-04	6.99E-03	5.05E-03	1.75E+00
3125	476363.09	3846377.25	1.52E+00	1.13E-04	6.11E-03	4.83E-03	1.53E+00	1.59E+00	1.15E+00	5.57E-01	1.65E-01	3.46E+00	1.58E+00	1.32E-04	6.11E-03	4.83E-03	1.60E+00
3126	476863.09	3846377.25	1.41E+00	9.92E-05	5.20E-03	4.16E-03	1.42E+00	1.47E+00	1.01E+00	4.75E-01	1.42E-01	3.10E+00	1.47E+00	1.16E-04	5.20E-03	4.16E-03	1.48E+00
3127	477363.09	3846377.25	1.21E+00	9.23E-05	6.94E-03	3.51E-03	1.22E+00	1.26E+00	9.43E-01	6.32E-01	1.20E-01	2.96E+00	1.26E+00	1.08E-04	6.94E-03	3.51E-03	1.27E+00
3128	477863.09	3846377.25	9.07E-01	8.42E-05	1.03E-02	3.36E-03	9.21E-01	9.46E-01	8.60E-01	9.40E-01	1.15E-01	2.86E+00	9.44E-01	9.85E-05	1.03E-02	3.36E-03	9.58E-01
3129	478363.09	3846377.25	8.75E-01	7.86E-05	1.15E-02	3.28E-03	8.90E-01	9.13E-01	8.03E-01	1.05E+00	1.12E-01	2.88E+00	9.11E-01	9.20E-05	1.15E-02	3.28E-03	9.26E-01
3130	478863.09	3846377.25	9.02E-01	6.79E-05	9.74E-03	2.97E-03	9.15E-01	9.41E-01	6.94E-01	8.88E-01	1.01E-01	2.63E+00	9.39E-01	7.95E-05	9.74E-03	2.97E-03	9.52E-01
3131	479363.09	3846377.25	7.13E-01	6.02E-05	7.29E-03	2.95E-03	7.24E-01	7.44E-01	6.15E-01	6.65E-01	1.01E-01	2.12E+00	7.43E-01	7.04E-05	7.29E-03	2.95E-03	7.53E-01
3132	479863.09	3846377.25	5.78E-01	5.67E-05	6.61E-03	3.03E-03	5.88E-01	6.03E-01	5.79E-01	6.03E-01	1.04E-01	1.89E+00	6.02E-01	6.63E-05	6.61E-03	3.03E-03	6.12E-01
3133	480363.09	3846377.25	4.70E-01	6.12E-05	6.02E-03	3.31E-03	4.79E-01	4.90E-01	6.25E-01	5.49E-01	1.13E-01	1.78E+00	4.89E-01	7.16E-05	6.02E-03	3.31E-03	4.99E-01
3134	480863.09	3846377.25	3.38E-01	5.61E-05	6.24E-03	3.62E-03	3.48E-01	3.53E-01	5.74E-01	5.69E-01	1.24E-01	1.62E+00	3.52E-01	6.57E-05	6.24E-03	3.62E-03	3.62E-01
3135	481363.09	3846377.25	2.49E-01	4.27E-05	7.63E-03	3.76E-03	2.61E-01	2.60E-01	4.37E-01	6.96E-01	1.29E-01	1.52E+00	2.60E-01	5.00E-05	7.63E-03	3.76E-03	2.71E-01
3136	481863.09	3846377.25	2.58E-01	5.27E-05	8.77E-03	3.23E-03	2.71E-01	2.70E-01	5.38E-01	7.99E-01	1.10E-01	1.72E+00	2.69E-01	6.16E-05	8.77E-03	3.23E-03	2.81E-01
3137	482363.09	3846377.25	2.98E-01	6.38E-05	9.11E-03	2.89E-03	3.10E-01	3.10E-01	6.52E-01	8.31E-01	9.87E-02	1.89E+00	3.10E-01	7.47E-05	9.11E-03	2.89E-03	3.22E-01
3138	482863.09	3846377.25	2.36E-01	6.44E-05	8.82E-03	2.89E-03	2.48E-01	2.46E-01	6.58E-01	8.04E-01	9.88E-02	1.81E+00	2.46E-01	7.54E-05	8.82E-03	2.89E-03	2.58E-01
3139	483363.09	3846377.25	2.03E-01	5.87E-05	9.58E-03	2.95E-03	2.15E-01	2.12E-01	6.00E-01	8.73E-01	1.01E-01	1.79E+00	2.11E-01	6.87E-05	9.58E-03	2.95E-03	2.24E-01
3140	483863.09	3846377.25	2.62E-01	5.12E-05	1.17E-02	3.19E-03	2.77E-01	2.73E-01	5.23E-01	1.07E+00	1.09E-01	1.98E+00	2.72E-01	5.99E-05	1.17E-02	3.19E-03	2.87E-01
3141	484363.09	3846377.25	2.75E-01	4.42E-05	1.27E-02	3.42E-03	2.91E-01	2.87E-01	4.52E-01	1.16E+00	1.17E-01	2.01E+00	2.87E-01	5.17E-05	1.27E-02	3.42E-03	3.03E-01
3142	484863.09	3846377.25	2.88E-01	5.69E-05	1.23E-02	3.47E-03	3.04E-01	3.00E-01	5.81E-01	1.12E+00	1.19E-01	2.12E+00	3.00E-01	6.66E-05	1.23E-02	3.47E-03	3.16E-01
3143	485363.09	3846377.25	3.10E-01	5.68E-05	1.01E-02	3.40E-03	3.24E-01	3.24E-01	5.80E-01	9.17E-01	1.16E-01	1.94E+00	3.23E-01	6.64E-05	1.01E-02	3.40E-03	3.36E-01
3144	485863.09	3846377.25	2.53E-01	5.19E-05	7.75E-03	3.11E-03	2.64E-01	2.64E-01	5.31E-01	7.06E-01	1.06E-01	1.61E+00	2.64E-01	6.08E-05	7.75E-03	3.11E-03	2.75E-01
3145	486363.09	3846377.25	1.87E-01	5.73E-05	8.06E-03	2.83E-03	1.98E-01	1.95E-01	5.86E-01	7.35E-01	9.66E-02	1.61E+00	1.95E-01	6.71E-05	8.06E-03	2.83E-03	2.06E-01
3146	486863.09	3846377.25	1.71E-01	5.70E-05	7.87E-03	2.70E-03	1.81E-01	1.78E-01	5.82E-01	7.18E-01	9.23E-02	1.57E+00	1.78E-01	6.67E-05	7.87E-03	2.70E-03	1.89E-01
3147	487363.09	3846377.25	1.43E-01	4.55E-05	7.48E-03	2.76E-03	1.54E-01	1.50E-01	4.65E-01	6.82E-01	9.45E-02	1.39E+00	1.49E-01	5.32E-05	7.48E-03	2.76E-03	1.60E-01
3148	487863.09	3846377.25	1.22E-01	3.73E-05	8.90E-03	2.94E-03	1.34E-01	1.27E-01	3.81E-01	8.11E-01	1.01E-01	1.42E+00	1.27E-01	4.36E-05	8.90E-03	2.94E-03	1.39E-01
3149	488363.09	3846377.25	1.19E-01	3.31E-05	1.21E-02	2.95E-03	1.34E-01	1.25E-01	3.38E-01	1.10E+00	1.01E-01	1.67E+00	1.24E-01	3.88E-05	1.21E-02	2.95E-03	1.39E-01
3150	488863.09	3846377.25	1.17E-01	3.55E-05	1.48E-02	2.97E-03	1.35E-01	1.22E-01	3.63E-01	1.35E+00	1.01E-01	1.94E+00	1.22E-01	4.15E-05	1.48E-02	2.97E-03	1.40E-01
3151	489363.09	3846377.25	1.17E-01	3.26E-05	1.56E-02	2.97E-03	1.36E-01	1.22E-01	3.33E-01	1.42E+00	1.02E-01	1.98E+00	1.22E-01	3.82E-05	1.56E-02	2.97E-03	1.40E-01
3152	489863.09	3846377.25	1.16E-01	2.64E-05	1.28E-02	2.65E-03	1.32E-01	1.21E-01	2.70E-01	1.17E+00	9.05E-02	1.65E+00	1.21E-01	3.09E-05	1.28E-02	2.65E-03	1.36E-01
3153	490363.09	3846377.25	9.19E-02	2.87E-05	8.32E-03	2.10E-03	1.02E-01	9.59E-02	2.93E-01	7.59E-01	7.18E-02	1.22E+00	9.57E-02	3.36E-05	8.32E-03	2.10E-03	1.06E-01
3154	490863.09	3846377.25	1.01E-01	3.37E-05	7.78E-03	2.10E-03	1.11E-01	1.06E-01	3.44E-01	7.09E-01	7.17E-02	1.23E+00	1.05E-01	3.94E-05	7.78E-03	2.10E-03	1.15E-01
3155	491363.09	3846377.25	1.27E-01	3.78E-05	8.07E-03	2.08E-03	1.37E-01	1.32E-01	3.86E-01	7.36E-01	7.11E-02	1.33E+00	1.32E-01	4.42E-05	8.07E-03	2.08E-03	1.42E-01
3156	491863.09	3846377.25	2.05E-01	4.22E-05	8.90E-03	2.38E-03	2.16E-01	2.14E-01	4.31E-01	8.12E-01	8.15E-02	1.54E+00	2.13E-01	4.94E-05	8.90E-03	2.38E-03	2.25E-01
3157	492363.09	3846377.25	2.37E-01	4.27E-05	7.89E-03	2.27E-03	2.47E-01	2.47E-01	4.37E-01	7.19E-01	7.76E-02	1.48E+00	2.46E-01	5.00E-05	7.89E-03	2.27E-03	2.57E-01
3158	492863.09	3846377.25	2.44E-01	3.58E-05	7.23E-03	2.08E-03	2.53E-01	2.54E-01	3.66E-01	6.60E-01	7.10E-02	1.35E+00	2.54E-01	4.19E-05	7.23E-03	2.08E-03	2.63E-01
3159	493363.09	3846377.25	2.40E-01	3.12E-05	7.53E-03	1.91E-03	2.49E-01	2.50E-01	3.19E-01	6.87E-01	6.52E-02	1.32E+00	2.50E-01	3.65E-05	7.53E-03	1.91E-03	2.59E-01
3160	493863.09	3846377.25	2.35E-01	2.84E-05	7.02E-03	1.93E-03	2.44E-01	2.45E-01	2.90E-01	6.40E-01	6.60E-02	1.24E+00	2.44E-01	3.32E-05	7.02E-03	1.93E-03	2.53E-01
3161	494363.09	3846377.25	2.19E-01	2.69E-05	6.88E-03	1.95E-03	2.28E-01	2.29E-01	2.75E-01	6.28E-01	6.65E-02	1.20E+00	2.28E-01	3.15E-05	6.88E-03	1.95E-03	2.37E-01
3162	494863.09	3846377.25	1.86E-01	2.80E-05	7.93E-03	1.95E-03	1.96E-01	1.94E-01	2.86E-01	7.23E-01	6.65E-02	1.27E+00	1.94E-01	3.28E-05	7.93E-03	1.95E-03	2.04E-01
3163	495363.09	3846377.25	1.50E-01	3.32E-05	8.06E-03	1.99E-03	1.60E-01	1.57E-01	3.39E-01	7.35E-01	6.81E-02	1.30E+00	1.56E-01	3.88E-05	8.06E-03	1.99E-03	1.66E-01
3164	495863.09	3846377.25	1.22E-01	4.08E-05	8.66E-03	2.01E-03	1.33E-01	1.27E-01	4.17E-01	7.90E-01	6.86E-02	1.40E+00	1.27E-01	4.78E-05	8.66E-03	2.01E-03	1.38E-01
3165	496363.09	3846377.25	1.20E-01	4.59E-05	9.84E-03	2.18E-03	1.32E-01	1.25E-01	4.69E-01	8.98E-01	7.45E-02	1.57E+00	1.25E-01	5.37E-05	9.84E-03	2.18E-03	1.37E-01
3166	496863.09	3846377.25	1.33E-01	4.64E-05	1.13E-02	2.39E-03	1.47E-01	1.39E-01	4.74E-01	1.03E+00	8.17E-02	1.73E+00	1.39E-01	5.43E-05	1.13E-02	2.39E-03	1.53E-01
3167	497363.09	3846377.25	1.37E-01	4.67E-05	1.20E-02	2.53E-03	1.52E-01	1.43E-01	4.77E-01	1.09E+00	8.64E-02	1.80E+00	1.43E-01	5.46E-05	1.20E-02	2.53E-03	1.57E-01
3168	497863.09	3846377.25	1.42E-01	4.95E-05	1.14E-02	2.58E-03	1.56E-01	1.49E-01	5.06E-01	1.04E+00	8.82E-02	1.78E+00	1.48E-01	5.79E-05	1.14E-02	2.58E-03	1.62E-01

3169	498363.09	3846377.25	1.43E-01	5.24E-05	1.03E-02	2.55E-03	1.56E-01	1.50E-01	5.36E-01	9.38E-01	8.73E-02	1.71E+00	1.49E-01	6.13E-05	1.03E-02	2.55E-03	1.62E-01
3170	471363.09	3846877.25	1.41E+00	2.57E-04	5.76E-03	3.32E-03	1.42E+00	1.48E+00	2.63E+00	5.25E-01	1.14E-01	4.74E+00	1.47E+00	3.01E-04	5.76E-03	3.32E-03	1.48E+00
3171	471863.09	3846877.25	1.15E+00	2.64E-04	5.51E-03	3.59E-03	1.16E+00	1.20E+00	2.70E+00	5.03E-01	1.23E-01	4.53E+00	1.20E+00	3.09E-04	5.51E-03	3.59E-03	1.21E+00
3172	472363.09	3846877.25	1.13E+00	2.23E-04	5.30E-03	3.87E-03	1.14E+00	1.18E+00	2.28E+00	4.84E-01	1.32E-01	4.07E+00	1.18E+00	2.61E-04	5.30E-03	3.87E-03	1.19E+00
3173	472863.09	3846877.25	6.72E-01	1.31E-04	5.53E-03	3.98E-03	6.82E-01	7.02E-01	1.34E+00	5.05E-01	1.36E-01	2.68E+00	7.00E-01	1.54E-04	5.53E-03	3.98E-03	7.10E-01
3174	473363.09	3846877.25	7.44E-01	1.40E-04	6.02E-03	3.94E-03	7.54E-01	7.76E-01	1.43E+00	5.49E-01	1.35E-01	2.89E+00	7.75E-01	1.64E-04	6.02E-03	3.94E-03	7.85E-01
3175	473863.09	3846877.25	1.07E+00	1.30E-04	6.89E-03	3.89E-03	1.08E+00	1.12E+00	1.33E+00	6.29E-01	1.33E-01	3.21E+00	1.12E+00	1.52E-04	6.89E-03	3.89E-03	1.13E+00
3176	474363.09	3846877.25	9.33E-01	1.25E-04	7.69E-03	3.66E-03	9.45E-01	9.74E-01	1.28E+00	7.02E-01	1.25E-01	3.08E+00	9.72E-01	1.46E-04	7.69E-03	3.66E-03	9.83E-01
3177	474863.09	3846877.25	9.01E-01	1.49E-04	8.20E-03	3.27E-03	9.13E-01	9.40E-01	1.52E+00	7.48E-01	1.12E-01	3.32E+00	9.38E-01	1.74E-04	8.20E-03	3.27E-03	9.50E-01
3178	475363.09	3846877.25	1.05E+00	1.53E-04	8.33E-03	2.87E-03	1.07E+00	1.10E+00	1.57E+00	7.59E-01	9.83E-02	3.53E+00	1.10E+00	1.79E-04	8.33E-03	2.87E-03	1.11E+00
3179	475863.09	3846877.25	1.42E+00	1.68E-04	8.02E-03	4.32E-03	1.43E+00	1.48E+00	1.72E+00	7.31E-01	1.48E-01	4.08E+00	1.48E+00	1.97E-04	8.02E-03	4.32E-03	1.49E+00
3180	476363.09	3846877.25	1.82E+00	1.60E-04	7.34E-03	5.51E-03	1.83E+00	1.90E+00	1.64E+00	6.69E-01	1.88E-01	4.39E+00	1.89E+00	1.88E-04	7.34E-03	5.51E-03	1.91E+00
3181	476863.09	3846877.25	1.65E+00	1.40E-04	6.40E-03	5.09E-03	1.66E+00	1.72E+00	1.43E+00	5.84E-01	1.74E-01	3.91E+00	1.72E+00	1.64E-04	6.40E-03	5.09E-03	1.73E+00
3182	477363.09	3846877.25	1.60E+00	1.05E-04	5.47E-03	4.42E-03	1.61E+00	1.66E+00	1.07E+00	4.98E-01	1.51E-01	3.39E+00	1.66E+00	1.23E-04	5.47E-03	4.42E-03	1.67E+00
3183	477863.09	3846877.25	1.20E+00	9.69E-05	7.85E-03	3.85E-03	1.21E+00	1.25E+00	9.90E-01	7.16E-01	1.32E-01	3.09E+00	1.25E+00	1.13E-04	7.85E-03	3.85E-03	1.26E+00
3184	478363.09	3846877.25	9.90E-01	8.87E-05	1.25E-02	3.91E-03	1.01E+00	1.03E+00	9.06E-01	1.14E+00	1.34E-01	3.22E+00	1.03E+00	1.04E-04	1.25E-02	3.91E-03	1.05E+00
3185	478863.09	3846877.25	1.12E+00	7.95E-05	1.45E-02	3.77E-03	1.14E+00	1.17E+00	8.12E-01	1.33E+00	1.29E-01	3.43E+00	1.16E+00	9.30E-05	1.45E-02	3.77E-03	1.18E+00
3186	479363.09	3846877.25	9.82E-01	7.05E-05	1.03E-02	3.26E-03	9.96E-01	1.03E+00	7.20E-01	9.41E-01	1.11E-01	2.80E+00	1.02E+00	8.25E-05	1.03E-02	3.26E-03	1.04E+00
3187	479863.09	3846877.25	6.33E-01	5.40E-05	7.36E-03	3.10E-03	6.43E-01	6.60E-01	5.52E-01	6.72E-01	1.06E-01	1.99E+00	6.59E-01	6.32E-05	7.36E-03	3.10E-03	6.70E-01
3188	480363.09	3846877.25	3.32E-01	5.89E-05	6.60E-03	3.30E-03	3.42E-01	3.47E-01	6.01E-01	6.02E-01	1.13E-01	1.66E+00	3.46E-01	6.89E-05	6.60E-03	3.30E-03	3.56E-01
3189	480863.09	3846877.25	3.28E-01	5.33E-05	5.81E-03	3.56E-03	3.38E-01	3.42E-01	5.44E-01	5.30E-01	1.22E-01	1.54E+00	3.42E-01	6.23E-05	5.81E-03	3.56E-03	3.51E-01
3190	481363.09	3846877.25	2.81E-01	4.61E-05	7.09E-03	3.86E-03	2.92E-01	2.93E-01	4.71E-01	6.47E-01	1.32E-01	1.54E+00	2.93E-01	5.39E-05	7.09E-03	3.86E-03	3.04E-01
3191	481863.09	3846877.25	2.60E-01	5.14E-05	8.54E-03	3.61E-03	2.72E-01	2.71E-01	5.25E-01	7.79E-01	1.23E-01	1.70E+00	2.71E-01	6.01E-05	8.54E-03	3.61E-03	2.83E-01
3192	482363.09	3846877.25	2.94E-01	6.30E-05	9.42E-03	3.02E-03	3.07E-01	3.07E-01	6.44E-01	8.60E-01	1.03E-01	1.91E+00	3.06E-01	7.37E-05	9.42E-03	3.02E-03	3.19E-01
3193	482863.09	3846877.25	3.32E-01	6.43E-05	9.28E-03	2.92E-03	3.45E-01	3.47E-01	6.57E-01	8.47E-01	9.99E-02	1.95E+00	3.46E-01	7.52E-05	9.28E-03	2.92E-03	3.58E-01
3194	483363.09	3846877.25	2.86E-01	5.96E-05	9.32E-03	2.97E-03	2.98E-01	2.99E-01	6.09E-01	8.50E-01	1.01E-01	1.86E+00	2.98E-01	6.97E-05	9.32E-03	2.97E-03	3.10E-01
3195	483863.09	3846877.25	2.99E-01	5.39E-05	1.14E-02	3.23E-03	3.14E-01	3.12E-01	5.51E-01	1.04E+00	1.11E-01	2.02E+00	3.12E-01	6.31E-05	1.14E-02	3.23E-03	3.26E-01
3196	484363.09	3846877.25	2.87E-01	4.87E-05	1.30E-02	3.49E-03	3.03E-01	2.99E-01	4.97E-01	1.18E+00	1.19E-01	2.10E+00	2.99E-01	5.69E-05	1.30E-02	3.49E-03	3.15E-01
3197	484863.09	3846877.25	2.95E-01	5.53E-05	1.31E-02	3.61E-03	3.11E-01	3.07E-01	5.65E-01	1.19E+00	1.24E-01	2.19E+00	3.07E-01	6.47E-05	1.31E-02	3.61E-03	3.24E-01
3198	485363.09	3846877.25	3.26E-01	5.68E-05	1.10E-02	3.44E-03	3.40E-01	3.40E-01	5.80E-01	1.00E+00	1.18E-01	2.04E+00	3.39E-01	6.64E-05	1.10E-02	3.44E-03	3.53E-01
3199	485863.09	3846877.25	2.66E-01	5.18E-05	8.48E-03	3.09E-03	2.77E-01	2.77E-01	5.29E-01	7.73E-01	1.06E-01	1.68E+00	2.77E-01	6.06E-05	8.48E-03	3.09E-03	2.88E-01
3200	486363.09	3846877.25	2.38E-01	5.79E-05	8.64E-03	2.88E-03	2.49E-01	2.48E-01	5.92E-01	7.88E-01	9.86E-02	1.73E+00	2.47E-01	6.78E-05	8.64E-03	2.88E-03	2.59E-01
3201	486863.09	3846877.25	2.14E-01	5.94E-05	8.58E-03	2.87E-03	2.26E-01	2.23E-01	6.07E-01	7.82E-01	9.83E-02	1.71E+00	2.23E-01	6.95E-05	8.58E-03	2.87E-03	2.34E-01
3202	487363.09	3846877.25	1.66E-01	4.80E-05	7.77E-03	2.93E-03	1.77E-01	1.73E-01	4.91E-01	7.09E-01	1.00E-01	1.47E+00	1.73E-01	5.62E-05	7.77E-03	2.93E-03	1.84E-01
3203	487863.09	3846877.25	1.28E-01	3.70E-05	9.97E-03	2.96E-03	1.41E-01	1.33E-01	3.78E-01	9.10E-01	1.01E-01	1.52E+00	1.33E-01	4.32E-05	9.97E-03	2.96E-03	1.46E-01
3204	488363.09	3846877.25	1.22E-01	3.35E-05	1.27E-02	2.98E-03	1.37E-01	1.27E-01	3.42E-01	1.16E+00	1.02E-01	1.73E+00	1.27E-01	3.92E-05	1.27E-02	2.98E-03	1.42E-01
3205	488863.09	3846877.25	1.21E-01	3.65E-05	1.55E-02	3.10E-03	1.40E-01	1.27E-01	3.73E-01	1.41E+00	1.06E-01	2.02E+00	1.26E-01	4.27E-05	1.55E-02	3.10E-03	1.45E-01
3206	489363.09	3846877.25	1.26E-01	3.54E-05	1.62E-02	3.13E-03	1.46E-01	1.32E-01	3.61E-01	1.47E+00	1.07E-01	2.07E+00	1.31E-01	4.14E-05	1.62E-02	3.13E-03	1.51E-01
3207	489863.09	3846877.25	1.17E-01	3.01E-05	1.51E-02	2.86E-03	1.35E-01	1.22E-01	3.07E-01	1.38E+00	9.78E-02	1.90E+00	1.21E-01	3.52E-05	1.51E-02	2.86E-03	1.39E-01
3208	490363.09	3846877.25	9.88E-02	3.42E-05	1.04E-02	2.41E-03	1.12E-01	1.03E-01	3.49E-01	9.49E-01	8.23E-02	1.48E+00	1.03E-01	4.00E-05	1.04E-02	2.41E-03	1.16E-01
3209	490863.09	3846877.25	1.24E-01	3.99E-05	8.77E-03	2.32E-03	1.35E-01	1.29E-01	4.08E-01	8.00E-01	7.93E-02	1.42E+00	1.29E-01	4.67E-05	8.77E-03	2.32E-03	1.40E-01
3210	491363.09	3846877.25	1.95E-01	4.21E-05	9.12E-03	2.38E-03	2.07E-01	2.04E-01	4.31E-01	8.32E-01	8.14E-02	1.55E+00	2.03E-01	4.93E-05	9.12E-03	2.38E-03	2.15E-01
3211	491863.09	3846877.25	2.34E-01	4.18E-05	8.70E-03	2.31E-03	2.45E-01	2.44E-01	4.27E-01	7.93E-01	7.91E-02	1.54E+00	2.44E-01	4.89E-05	8.70E-03	2.31E-03	2.55E-01
3212	492363.09	3846877.25	2.45E-01	3.99E-05	8.09E-03	2.40E-03	2.55E-01	2.55E-01	4.07E-01	7.38E-01	8.20E-02	1.48E+00	2.55E-01	4.67E-05	8.09E-03	2.40E-03	2.65E-01
3213	492863.09	3846877.25	2.43E-01	3.20E-05	7.72E-03	2.06E-03	2.53E-01	2.53E-01	3.27E-01	7.04E-01	7.04E-02	1.35E+00	2.53E-01	3.74E-05	7.72E-03	2.06E-03	2.63E-01
3214	493363.09	3846877.25	2.39E-01	2.88E-05	7.88E-03	1.98E-03	2.49E-01	2.50E-01	2.94E-01	7.19E-01	6.77E-02	1.33E+00	2.49E-01	3.37E-05	7.88E-03	1.98E-03	2.59E-01
3215	493863.09	3846877.25	2.27E-01	2.68E-05	7.55E-03	1.96E-03	2.36E-01	2.37E-01	2.74E-01	6.88E-01	6.70E-02	1.27E+00	2.36E-01	3.13E-05	7.55E-03	1.96E-03	2.46E-01
3216	494363.09	3846877.25	1.97E-01	2.71E-05	7.74E-03	1.96E-03	2.06E-01	2.05E-01	2.77E-01	7.06E-01	6.71E-02	1.25E+00	2.05E-01	3.17E-05	7.74E-03	1.96E-03	2.14E-01
3217	494863.09	3846877.25	1.60E-01	3.13E-05	8.41E-03	2.00E-03	1.70E-01	1.66E-01	3.20E-01	7.67E-01	6.83E-02	1.32E+00	1.66E-01	3.66E-05	8.41E-03	2.00E-03	1.77E-01
3218	495363.09	3846877.25	1.24E-01	3.92E-05	8.86E-03	2.02E-03	1.35E-01	1.30E-01	4.00E-01	8.08E-01	6.92E-02	1.41E+00	1.30E-01	4.58E-05	8.86E-03	2.02E-03	1.40E-01
3219	495863.09	3846877.25	1.27E-01	4.53E-05	9.59E-03	2.14E-03	1.39E-01	1.32E-01	4.63E-01	8.74E-01	7.31E-02	1.54E+00	1.32E-01	5.30E-05	9.59E-03	2.14E-03	1.44E-01
3220	496363.09	3846877.25	1.37E-01	4.69E-05	1.15E-02	2.30E-03	1.51E-01	1.43E-01	4.79E-01	1.05E+00	7.88E-02	1.75E+00	1.43E-01	5.48E-05	1.15E-02	2.30E-03	1.57E-01
3221	496863.09	3846877.25	1.41E-01	4.55E-05	1.19E-02	2.59E-03	1.56E-01	1.48E-01	4.64E-01	1.09E+00	8.86E-02	1.79E+00	1.47E-01	5.32E-05	1.19E-02	2.59E-03	1.62E-01
3222	497363.09	3846877.25	1.45E-01	4.90E-05	1.20E-02	2.64E-03	1.60E-01	1.52E-01	5.01E-01	1.09E+00	9.03E-02	1.83E+00	1.51E-01	5.74E-05	1.20E-02	2.64E-03	1.66E-01
3223	497863.09	3846877.25	1.55E-01	5.30E-05	1.24E-02	2.59E-03	1.70E-01	1.62E-01	5.42E-01	1.13E+00	8.87E-02	1.92E+00	1.62E-01	6.20E-05	1.24E-02	2.59E-03	1.77E-01
3224	498363.09	3846877.25	1.47E-01	5.04E-05	1.19E-02	2.43E-03	1.61E-01	1.53E-01	5.15E-01	1.08E+00	8.31E-02	1.83E+00	1.53E-01	5.89E-05	1.19E-02	2.43E-03	1.67E-01
3225	471363.09	3847377.25	1.28E+00	2.66E-04	6.22E-03	3.29E-03	1.29E+00	1.34E+00	2.72E+00	5.67E-01	1.13E-01	4.73E+00	1.34E+00	3.11E-04	6.22E-03	3.29E-03	1.35E+00
3226	471863.09	3847377.25	1.46E+00	2.68E-04	6.12E-03	3.43E-03	1.47E+00	1.53E+00	2.74E+00	5.58E-01	1.17E-01	4.94E+00	1.52E+00	3.14E-04	6.12E-03	3.43E-03	1.53E+00
3227	472363.09	3847377.25	1.40E+00	2.93E-04	5.90E-03	3.64E-03	1.41E+00	1.46E+00	2.99E+00	5.38E-01	1.24E-01	5.12E+00	1.46E+00	3.43E-04	5.90E-03	3.64E-03	1.47E+00
3228	472863.09	3847377.25	1.08E+00	2.37E-04	5.64E-03	3.98E-03	1.09E+00	1.13E+00	2.42E+00	5.14E-01	1.36E-01	4.20E+00	1.12E+00	2.77E-04	5.64E-03	3.98E-03	1.13E+00
3229	473363.09	3847377.25	1.15E+00	1.79E-04	5.67E-03	4.15E-03	1.16E+00	1.20E+00	1.83E+00	5.17E-01	1.42E-01	3.69E+00	1.20E+00	2.09E-04	5.67E-03	4.15E-03	1.21E+00

3230	473863.09	3847377.25	9.58E-01	1.75E-04	6.16E-03	4.13E-03	9.68E-01	1.00E+00	1.79E+00	5.62E-01	1.41E-01	3.49E+00	9.98E-01	2.05E-04	6.16E-03	4.13E-03	1.01E+00
3231	474363.09	3847377.25	1.21E+00	1.67E-04	6.94E-03	4.07E-03	1.22E+00	1.26E+00	1.70E+00	6.33E-01	1.39E-01	3.74E+00	1.26E+00	1.95E-04	6.94E-03	4.07E-03	1.27E+00
3232	474863.09	3847377.25	1.01E+00	1.43E-04	7.85E-03	3.85E-03	1.02E+00	1.05E+00	1.46E+00	7.16E-01	1.32E-01	3.36E+00	1.05E+00	1.68E-04	7.85E-03	3.85E-03	1.06E+00
3233	475363.09	3847377.25	9.55E-01	1.52E-04	8.47E-03	3.43E-03	9.67E-01	9.97E-01	1.55E+00	7.72E-01	1.17E-01	3.44E+00	9.95E-01	1.78E-04	8.47E-03	3.43E-03	1.01E+00
3234	475863.09	3847377.25	1.24E+00	1.83E-04	8.68E-03	3.37E-03	1.25E+00	1.29E+00	1.87E+00	7.92E-01	1.15E-01	4.07E+00	1.29E+00	2.14E-04	8.68E-03	3.37E-03	1.30E+00
3235	476363.09	3847377.25	1.70E+00	2.19E-04	8.41E-03	5.26E-03	1.72E+00	1.78E+00	2.24E+00	7.67E-01	1.80E-01	4.96E+00	1.77E+00	2.56E-04	8.41E-03	5.26E-03	1.79E+00
3236	476863.09	3847377.25	2.01E+00	1.76E-04	7.71E-03	6.02E-03	2.02E+00	2.10E+00	1.79E+00	7.04E-01	2.06E-01	4.80E+00	2.09E+00	2.05E-04	7.71E-03	6.02E-03	2.11E+00
3237	477363.09	3847377.25	1.84E+00	1.56E-04	6.72E-03	5.56E-03	1.86E+00	1.92E+00	1.59E+00	6.13E-01	1.90E-01	4.32E+00	1.92E+00	1.82E-04	6.72E-03	5.56E-03	1.93E+00
3238	477863.09	3847377.25	1.81E+00	1.40E-04	5.75E-03	4.65E-03	1.82E+00	1.89E+00	1.43E+00	5.24E-01	1.59E-01	4.01E+00	1.89E+00	1.64E-04	5.75E-03	4.65E-03	1.90E+00
3239	478363.09	3847377.25	1.41E+00	1.39E-04	9.44E-03	4.89E-03	1.42E+00	1.47E+00	1.42E+00	8.61E-01	1.67E-01	3.92E+00	1.47E+00	1.63E-04	9.44E-03	4.89E-03	1.48E+00
3240	478863.09	3847377.25	1.11E+00	1.31E-04	2.00E-02	7.10E-03	1.14E+00	1.16E+00	1.34E+00	1.82E+00	2.43E-01	4.56E+00	1.16E+00	1.53E-04	2.00E-02	7.10E-03	1.18E+00
3241	479363.09	3847377.25	1.04E+00	7.36E-05	1.63E-02	3.96E-03	1.06E+00	1.09E+00	7.52E-01	1.49E+00	1.35E-01	3.46E+00	1.08E+00	8.61E-05	1.63E-02	3.96E-03	1.10E+00
3242	479863.09	3847377.25	6.22E-01	6.14E-05	8.31E-03	3.15E-03	6.34E-01	6.49E-01	6.27E-01	7.58E-01	1.08E-01	2.14E+00	6.48E-01	7.18E-05	8.31E-03	3.15E-03	6.59E-01
3243	480363.09	3847377.25	2.87E-01	5.33E-05	7.45E-03	3.28E-03	2.98E-01	2.99E-01	5.44E-01	6.79E-01	1.12E-01	1.63E+00	2.99E-01	6.23E-05	7.45E-03	3.28E-03	3.09E-01
3244	480863.09	3847377.25	2.49E-01	5.19E-05	6.51E-03	3.59E-03	2.59E-01	2.59E-01	5.30E-01	5.94E-01	1.23E-01	1.51E+00	2.59E-01	6.07E-05	6.51E-03	3.59E-03	2.69E-01
3245	481363.09	3847377.25	2.61E-01	4.65E-05	6.46E-03	3.75E-03	2.71E-01	2.72E-01	4.75E-01	5.89E-01	1.28E-01	1.46E+00	2.71E-01	5.44E-05	6.46E-03	3.75E-03	2.82E-01
3246	481863.09	3847377.25	2.63E-01	5.21E-05	8.06E-03	3.81E-03	2.75E-01	2.74E-01	5.32E-01	7.36E-01	1.30E-01	1.67E+00	2.73E-01	6.10E-05	8.06E-03	3.81E-03	2.85E-01
3247	482363.09	3847377.25	3.05E-01	6.39E-05	9.44E-03	3.27E-03	3.17E-01	3.18E-01	6.53E-01	8.61E-01	1.12E-01	1.94E+00	3.17E-01	7.47E-05	9.44E-03	3.27E-03	3.30E-01
3248	482863.09	3847377.25	3.40E-01	6.35E-05	9.90E-03	2.98E-03	3.53E-01	3.55E-01	6.49E-01	9.03E-01	1.02E-01	2.01E+00	3.54E-01	7.43E-05	9.90E-03	2.98E-03	3.67E-01
3249	483363.09	3847377.25	3.11E-01	6.01E-05	9.59E-03	2.98E-03	3.24E-01	3.25E-01	6.14E-01	8.74E-01	1.02E-01	1.91E+00	3.24E-01	7.03E-05	9.59E-03	2.98E-03	3.37E-01
3250	483863.09	3847377.25	3.23E-01	5.62E-05	1.10E-02	3.27E-03	3.38E-01	3.37E-01	5.74E-01	1.01E+00	1.12E-01	2.03E+00	3.37E-01	6.57E-05	1.10E-02	3.27E-03	3.51E-01
3251	484363.09	3847377.25	3.15E-01	5.09E-05	1.45E-02	3.66E-03	3.33E-01	3.28E-01	5.20E-01	1.32E+00	1.25E-01	2.29E+00	3.28E-01	5.95E-05	1.45E-02	3.66E-03	3.46E-01
3252	484863.09	3847377.25	3.06E-01	5.34E-05	1.52E-02	3.75E-03	3.25E-01	3.19E-01	5.46E-01	1.39E+00	1.28E-01	2.38E+00	3.19E-01	6.25E-05	1.52E-02	3.75E-03	3.38E-01
3253	485363.09	3847377.25	3.39E-01	5.71E-05	1.21E-02	3.50E-03	3.55E-01	3.54E-01	5.84E-01	1.11E+00	1.20E-01	2.16E+00	3.53E-01	6.69E-05	1.21E-02	3.50E-03	3.69E-01
3254	485863.09	3847377.25	2.80E-01	5.19E-05	1.07E-02	3.05E-03	2.94E-01	2.92E-01	5.30E-01	9.72E-01	1.04E-01	1.90E+00	2.92E-01	6.07E-05	1.07E-02	3.05E-03	3.06E-01
3255	486363.09	3847377.25	2.41E-01	6.01E-05	8.99E-03	3.13E-03	2.53E-01	2.52E-01	6.14E-01	8.20E-01	1.07E-01	1.79E+00	2.51E-01	7.03E-05	8.99E-03	3.13E-03	2.63E-01
3256	486863.09	3847377.25	2.24E-01	6.54E-05	9.27E-03	3.00E-03	2.36E-01	2.33E-01	6.68E-01	8.46E-01	1.02E-01	1.85E+00	2.33E-01	7.65E-05	9.27E-03	3.00E-03	2.45E-01
3257	487363.09	3847377.25	1.93E-01	5.68E-05	8.07E-03	3.06E-03	2.04E-01	2.01E-01	5.80E-01	7.36E-01	1.05E-01	1.62E+00	2.01E-01	6.64E-05	8.07E-03	3.06E-03	2.12E-01
3258	487863.09	3847377.25	1.50E-01	4.44E-05	1.04E-02	3.08E-03	1.63E-01	1.57E-01	4.54E-01	9.45E-01	1.05E-01	1.66E+00	1.56E-01	5.19E-05	1.04E-02	3.08E-03	1.70E-01
3259	488363.09	3847377.25	1.44E-01	3.41E-05	1.47E-02	3.03E-03	1.62E-01	1.50E-01	3.48E-01	1.34E+00	1.04E-01	1.94E+00	1.50E-01	3.99E-05	1.47E-02	3.03E-03	1.68E-01
3260	488863.09	3847377.25	1.30E-01	3.90E-05	1.81E-02	3.22E-03	1.51E-01	1.35E-01	3.99E-01	1.65E+00	1.10E-01	2.29E+00	1.35E-01	4.56E-05	1.81E-02	3.22E-03	1.56E-01
3261	489363.09	3847377.25	1.37E-01	3.91E-05	1.87E-02	3.20E-03	1.59E-01	1.43E-01	3.99E-01	1.70E+00	1.09E-01	2.36E+00	1.43E-01	4.57E-05	1.87E-02	3.20E-03	1.65E-01
3262	489863.09	3847377.25	1.13E-01	3.27E-05	1.51E-02	3.03E-03	1.31E-01	1.18E-01	3.34E-01	1.38E+00	1.04E-01	1.94E+00	1.18E-01	3.82E-05	1.51E-02	3.03E-03	1.36E-01
3263	490363.09	3847377.25	1.18E-01	3.80E-05	1.06E-02	2.62E-03	1.31E-01	1.23E-01	3.89E-01	9.66E-01	8.94E-02	1.57E+00	1.23E-01	4.45E-05	1.06E-02	2.62E-03	1.36E-01
3264	490863.09	3847377.25	1.82E-01	4.32E-05	1.06E-02	2.81E-03	1.96E-01	1.90E-01	4.42E-01	9.62E-01	9.60E-02	1.69E+00	1.90E-01	5.06E-05	1.06E-02	2.81E-03	2.03E-01
3265	491363.09	3847377.25	2.31E-01	4.22E-05	1.02E-02	2.72E-03	2.44E-01	2.42E-01	4.31E-01	9.32E-01	9.32E-02	1.70E+00	2.41E-01	4.93E-05	1.02E-02	2.72E-03	2.54E-01
3266	491863.09	3847377.25	2.51E-01	4.19E-05	1.07E-02	2.73E-03	2.65E-01	2.62E-01	4.28E-01	9.79E-01	9.33E-02	1.76E+00	2.62E-01	4.91E-05	1.07E-02	2.73E-03	2.75E-01
3267	492363.09	3847377.25	2.45E-01	3.55E-05	9.24E-03	2.34E-03	2.57E-01	2.56E-01	3.62E-01	8.42E-01	8.01E-02	1.54E+00	2.55E-01	4.15E-05	9.24E-03	2.34E-03	2.67E-01
3268	492863.09	3847377.25	2.44E-01	2.94E-05	9.69E-03	2.11E-03	2.55E-01	2.54E-01	3.00E-01	8.84E-01	7.22E-02	1.51E+00	2.54E-01	3.44E-05	9.69E-03	2.11E-03	2.66E-01
3269	493363.09	3847377.25	2.34E-01	2.68E-05	8.57E-03	1.99E-03	2.44E-01	2.44E-01	2.74E-01	7.81E-01	6.81E-02	1.37E+00	2.43E-01	3.14E-05	8.57E-03	1.99E-03	2.54E-01
3270	493863.09	3847377.25	2.07E-01	2.63E-05	7.72E-03	1.98E-03	2.17E-01	2.16E-01	2.68E-01	7.04E-01	6.77E-02	1.26E+00	2.15E-01	3.07E-05	7.72E-03	1.98E-03	2.25E-01
3271	494363.09	3847377.25	1.70E-01	2.96E-05	8.61E-03	1.99E-03	1.80E-01	1.77E-01	3.03E-01	7.86E-01	6.82E-02	1.33E+00	1.77E-01	3.46E-05	8.61E-03	1.99E-03	1.87E-01
3272	494863.09	3847377.25	1.32E-01	3.73E-05	9.03E-03	1.98E-03	1.43E-01	1.38E-01	3.81E-01	8.24E-01	6.77E-02	1.41E+00	1.38E-01	4.36E-05	9.03E-03	1.98E-03	1.49E-01
3273	495363.09	3847377.25	1.33E-01	4.45E-05	9.71E-03	2.09E-03	1.45E-01	1.39E-01	4.55E-01	8.85E-01	7.16E-02	1.55E+00	1.39E-01	5.20E-05	9.71E-03	2.09E-03	1.51E-01
3274	495863.09	3847377.25	1.40E-01	4.72E-05	1.16E-02	2.30E-03	1.54E-01	1.47E-01	4.82E-01	1.05E+00	7.87E-02	1.76E+00	1.46E-01	5.53E-05	1.16E-02	2.30E-03	1.60E-01
3275	496363.09	3847377.25	1.45E-01	4.57E-05	1.24E-02	2.48E-03	1.60E-01	1.52E-01	4.67E-01	1.13E+00	8.46E-02	1.83E+00	1.51E-01	5.35E-05	1.24E-02	2.48E-03	1.66E-01
3276	496863.09	3847377.25	1.47E-01	4.64E-05	1.17E-02	2.52E-03	1.61E-01	1.54E-01	4.74E-01	1.07E+00	8.61E-02	1.78E+00	1.53E-01	5.43E-05	1.17E-02	2.52E-03	1.68E-01
3277	497363.09	3847377.25	1.47E-01	5.14E-05	1.12E-02	2.62E-03	1.61E-01	1.54E-01	5.25E-01	1.02E+00	8.96E-02	1.79E+00	1.54E-01	6.01E-05	1.12E-02	2.62E-03	1.67E-01
3278	497863.09	3847377.25	1.51E-01	5.24E-05	1.23E-02	2.44E-03	1.66E-01	1.58E-01	5.36E-01	1.12E+00	8.33E-02	1.90E+00	1.57E-01	6.13E-05	1.23E-02	2.44E-03	1.72E-01
3279	498363.09	3847377.25	1.43E-01	4.24E-05	1.24E-02	2.20E-03	1.58E-01	1.50E-01	4.33E-01	1.13E+00	7.53E-02	1.79E+00	1.49E-01	4.96E-05	1.24E-02	2.20E-03	1.64E-01
3280	471363.09	3847877.25	1.31E+00	2.54E-04	7.03E-03	3.06E-03	1.32E+00	1.37E+00	2.60E+00	6.41E-01	1.05E-01	4.71E+00	1.37E+00	2.97E-04	7.03E-03	3.06E-03	1.38E+00
3281	471863.09	3847877.25	1.18E+00	2.91E-04	6.82E-03	3.36E-03	1.19E+00	1.23E+00	2.98E+00	6.22E-01	1.15E-01	4.94E+00	1.23E+00	3.41E-04	6.82E-03	3.36E-03	1.24E+00
3282	472363.09	3847877.25	1.47E+00	2.81E-04	6.47E-03	3.54E-03	1.48E+00	1.54E+00	2.87E+00	5.90E-01	1.21E-01	5.12E+00	1.53E+00	3.29E-04	6.47E-03	3.54E-03	1.54E+00
3283	472863.09	3847877.25	1.61E+00	3.11E-04	6.30E-03	3.74E-03	1.62E+00	1.68E+00	3.17E+00	5.75E-01	1.28E-01	5.55E+00	1.67E+00	3.64E-04	6.30E-03	3.74E-03	1.68E+00
3284	473363.09	3847877.25	1.32E+00	2.85E-04	6.06E-03	4.08E-03	1.33E+00	1.38E+00	2.91E+00	5.52E-01	1.39E-01	4.98E+00	1.38E+00	3.33E-04	6.06E-03	4.08E-03	1.39E+00
3285	473863.09	3847877.25	1.32E+00	2.64E-04	5.88E-03	4.31E-03	1.33E+00	1.38E+00	2.70E+00	5.36E-01	1.47E-01	4.76E+00	1.37E+00	3.09E-04	5.88E-03	4.31E-03	1.38E+00
3286	474363.09	3847877.25	1.22E+00	2.03E-04	6.30E-03	4.33E-03	1.23E+00	1.27E+00	2.07E+00	5.75E-01	1.48E-01	4.06E+00	1.27E+00	2.37E-04	6.30E-03	4.33E-03	1.28E+00
3287	474863.09	3847877.25	1.30E+00	2.02E-04	6.96E-03	4.26E-03	1.31E+00	1.35E+00	2.06E+00	6.34E-01	1.46E-01	4.20E+00	1.35E+00	2.36E-04	6.96E-03	4.26E-03	1.36E+00
3288	475363.09	3847877.25	1.29E+00	1.60E-04	7.98E-03	4.04E-03	1.30E+00	1.34E+00	1.64E+00	7.28E-01	1.38E-01	3.85E+00	1.34E+00	1.88E-04	7.98E-03	4.04E-03	1.35E+00
3289	475863.09	3847877.25	1.11E+00	1.63E-04	8.73E-03	3.60E-03	1.12E+00	1.16E+00	1.67E+00	7.97E-01	1.23E-01	3.75E+00	1.16E+00	1.91E-04	8.73E-03	3.60E-03	1.17E+00
3290	476363.09	3847877.25	1.43E+00	2.38E-04	9.05E-03	3.96E-03	1.45E+00	1.49E+00	2.44E+00	8.25E-01	1.35E-01	4.89E+00	1.49E+00	2.79E-04	9.05E-03	3.96E-03	1.50E+00

3291	476863.09	3847877.25	1.87E+00	2.37E-04	8.84E-03	5.81E-03	1.89E+00	1.95E+00	2.42E+00	8.06E-01	1.99E-01	5.38E+00	1.95E+00	2.77E-04	8.84E-03	5.81E-03	1.96E+00
3292	477363.09	3847877.25	2.30E+00	2.03E-04	8.13E-03	6.60E-03	2.31E+00	2.40E+00	2.07E+00	7.41E-01	2.26E-01	5.44E+00	2.39E+00	2.37E-04	8.13E-03	6.60E-03	2.41E+00
3293	477863.09	3847877.25	2.04E+00	1.69E-04	7.07E-03	5.91E-03	2.05E+00	2.12E+00	1.72E+00	6.44E-01	2.02E-01	4.69E+00	2.12E+00	1.97E-04	7.07E-03	5.91E-03	2.13E+00
3294	478363.09	3847877.25	2.11E+00	1.51E-04	6.23E-03	5.45E-03	2.12E+00	2.20E+00	1.54E+00	5.68E-01	1.86E-01	4.49E+00	2.19E+00	1.76E-04	6.23E-03	5.45E-03	2.21E+00
3295	478863.09	3847877.25	1.56E+00	1.46E-04	1.33E-02	8.73E-03	1.59E+00	1.63E+00	1.49E+00	1.21E+00	2.99E-01	4.63E+00	1.63E+00	1.71E-04	1.33E-02	8.73E-03	1.65E+00
3296	479363.09	3847877.25	8.26E-01	7.99E-05	1.48E-02	4.32E-03	8.45E-01	8.61E-01	8.17E-01	1.35E+00	1.48E-01	3.18E+00	8.60E-01	9.35E-05	1.48E-02	4.32E-03	8.79E-01
3297	479863.09	3847877.25	4.25E-01	6.48E-05	8.58E-03	3.15E-03	4.37E-01	4.44E-01	6.62E-01	7.83E-01	1.08E-01	2.00E+00	4.43E-01	7.59E-05	8.58E-03	3.15E-03	4.55E-01
3298	480363.09	3847877.25	3.87E-01	5.58E-05	8.39E-03	3.32E-03	3.98E-01	4.03E-01	5.70E-01	7.65E-01	1.13E-01	1.85E+00	4.02E-01	6.53E-05	8.39E-03	3.32E-03	4.14E-01
3299	480863.09	3847877.25	2.73E-01	5.61E-05	7.56E-03	3.61E-03	2.84E-01	2.84E-01	5.74E-01	6.89E-01	1.23E-01	1.67E+00	2.84E-01	6.57E-05	7.56E-03	3.61E-03	2.95E-01
3300	481363.09	3847877.25	2.91E-01	5.04E-05	6.38E-03	3.80E-03	3.02E-01	3.04E-01	5.15E-01	5.82E-01	1.30E-01	1.53E+00	3.03E-01	5.90E-05	6.38E-03	3.80E-03	3.14E-01
3301	481863.09	3847877.25	3.32E-01	5.81E-05	7.89E-03	3.98E-03	3.43E-01	3.46E-01	5.93E-01	7.19E-01	1.36E-01	1.79E+00	3.45E-01	6.79E-05	7.89E-03	3.98E-03	3.57E-01
3302	482363.09	3847877.25	3.55E-01	6.69E-05	9.13E-03	3.49E-03	3.68E-01	3.70E-01	6.83E-01	8.33E-01	1.20E-01	2.01E+00	3.70E-01	7.82E-05	9.13E-03	3.49E-03	3.82E-01
3303	482863.09	3847877.25	3.40E-01	6.39E-05	1.02E-02	3.05E-03	3.53E-01	3.54E-01	6.53E-01	9.35E-01	1.04E-01	2.05E+00	3.54E-01	7.48E-05	1.02E-02	3.05E-03	3.67E-01
3304	483363.09	3847877.25	3.38E-01	6.07E-05	1.01E-02	3.00E-03	3.51E-01	3.52E-01	6.20E-01	9.22E-01	1.03E-01	2.00E+00	3.52E-01	7.10E-05	1.01E-02	3.00E-03	3.65E-01
3305	483863.09	3847877.25	3.49E-01	5.79E-05	1.06E-02	3.37E-03	3.63E-01	3.64E-01	5.91E-01	9.68E-01	1.15E-01	2.04E+00	3.64E-01	6.77E-05	1.06E-02	3.37E-03	3.78E-01
3306	484363.09	3847877.25	3.40E-01	5.31E-05	1.37E-02	3.97E-03	3.57E-01	3.54E-01	5.43E-01	1.25E+00	1.36E-01	2.29E+00	3.54E-01	6.22E-05	1.37E-02	3.97E-03	3.71E-01
3307	484863.09	3847877.25	3.17E-01	5.33E-05	1.64E-02	3.90E-03	3.37E-01	3.31E-01	5.44E-01	1.49E+00	1.33E-01	2.50E+00	3.30E-01	6.23E-05	1.64E-02	3.90E-03	3.51E-01
3308	485363.09	3847877.25	3.53E-01	6.08E-05	1.51E-02	3.74E-03	3.71E-01	3.68E-01	6.21E-01	1.38E+00	1.28E-01	2.50E+00	3.67E-01	7.11E-05	1.51E-02	3.74E-03	3.86E-01
3309	485863.09	3847877.25	2.96E-01	5.67E-05	1.38E-02	3.39E-03	3.13E-01	3.09E-01	5.79E-01	1.26E+00	1.16E-01	2.27E+00	3.08E-01	6.64E-05	1.38E-02	3.39E-03	3.26E-01
3310	486363.09	3847877.25	2.44E-01	6.01E-05	9.49E-03	3.37E-03	2.57E-01	2.54E-01	6.14E-01	8.66E-01	1.15E-01	1.85E+00	2.54E-01	7.03E-05	9.49E-03	3.37E-03	2.67E-01
3311	486863.09	3847877.25	2.25E-01	6.74E-05	9.92E-03	3.38E-03	2.39E-01	2.35E-01	6.88E-01	9.05E-01	1.16E-01	1.94E+00	2.35E-01	7.88E-05	9.92E-03	3.38E-03	2.48E-01
3312	487363.09	3847877.25	1.93E-01	5.97E-05	8.41E-03	3.36E-03	2.05E-01	2.02E-01	6.10E-01	7.67E-01	1.15E-01	1.69E+00	2.01E-01	6.99E-05	8.41E-03	3.36E-03	2.13E-01
3313	487863.09	3847877.25	1.61E-01	4.41E-05	1.08E-02	3.37E-03	1.75E-01	1.68E-01	4.51E-01	9.81E-01	1.15E-01	1.72E+00	1.68E-01	5.16E-05	1.08E-02	3.37E-03	1.82E-01
3314	488363.09	3847877.25	1.55E-01	4.36E-05	1.54E-02	3.17E-03	1.73E-01	1.61E-01	4.46E-01	1.41E+00	1.08E-01	2.12E+00	1.61E-01	5.10E-05	1.54E-02	3.17E-03	1.80E-01
3315	488863.09	3847877.25	1.58E-01	4.88E-05	1.89E-02	3.41E-03	1.80E-01	1.65E-01	4.99E-01	1.72E+00	1.17E-01	2.50E+00	1.65E-01	5.71E-05	1.89E-02	3.41E-03	1.87E-01
3316	489363.09	3847877.25	1.59E-01	4.09E-05	1.93E-02	3.36E-03	1.82E-01	1.66E-01	4.18E-01	1.76E+00	1.15E-01	2.46E+00	1.66E-01	4.78E-05	1.93E-02	3.36E-03	1.89E-01
3317	489863.09	3847877.25	1.39E-01	3.60E-05	1.64E-02	3.20E-03	1.59E-01	1.45E-01	3.68E-01	1.50E+00	1.09E-01	2.12E+00	1.45E-01	4.21E-05	1.64E-02	3.20E-03	1.65E-01
3318	490363.09	3847877.25	1.68E-01	4.23E-05	1.20E-02	2.90E-03	1.82E-01	1.75E-01	4.32E-01	1.09E+00	9.91E-02	1.80E+00	1.74E-01	4.95E-05	1.20E-02	2.90E-03	1.89E-01
3319	490863.09	3847877.25	2.29E-01	4.57E-05	1.14E-02	2.97E-03	2.43E-01	2.39E-01	4.67E-01	1.04E+00	1.02E-01	1.84E+00	2.38E-01	5.34E-05	1.14E-02	2.97E-03	2.53E-01
3320	491363.09	3847877.25	2.52E-01	4.35E-05	1.18E-02	2.92E-03	2.66E-01	2.63E-01	4.44E-01	1.07E+00	9.97E-02	1.88E+00	2.62E-01	5.09E-05	1.18E-02	2.92E-03	2.77E-01
3321	491863.09	3847877.25	2.53E-01	4.17E-05	1.07E-02	2.84E-03	2.67E-01	2.64E-01	4.26E-01	9.72E-01	9.71E-02	1.76E+00	2.63E-01	4.87E-05	1.07E-02	2.84E-03	2.77E-01
3322	492363.09	3847877.25	2.48E-01	3.45E-05	9.99E-03	2.58E-03	2.60E-01	2.58E-01	3.52E-01	9.11E-01	8.81E-02	1.61E+00	2.58E-01	4.04E-05	9.99E-03	2.58E-03	2.70E-01
3323	492863.09	3847877.25	2.39E-01	2.93E-05	9.86E-03	2.35E-03	2.52E-01	2.50E-01	2.99E-01	8.99E-01	8.05E-02	1.53E+00	2.49E-01	3.43E-05	9.86E-03	2.35E-03	2.62E-01
3324	493363.09	3847877.25	2.17E-01	2.57E-05	8.29E-03	2.00E-03	2.28E-01	2.27E-01	2.62E-01	7.56E-01	6.82E-02	1.31E+00	2.26E-01	3.00E-05	8.29E-03	2.00E-03	2.37E-01
3325	493863.09	3847877.25	1.79E-01	2.82E-05	8.51E-03	2.03E-03	1.89E-01	1.86E-01	2.88E-01	7.76E-01	6.95E-02	1.32E+00	1.86E-01	3.29E-05	8.51E-03	2.03E-03	1.97E-01
3326	494363.09	3847877.25	1.24E-01	3.52E-05	8.80E-03	2.01E-03	1.35E-01	1.30E-01	3.59E-01	8.03E-01	6.89E-02	1.36E+00	1.30E-01	4.12E-05	8.80E-03	2.01E-03	1.40E-01
3327	494863.09	3847877.25	1.20E-01	4.34E-05	9.36E-03	2.14E-03	1.32E-01	1.25E-01	4.43E-01	8.53E-01	7.31E-02	1.49E+00	1.25E-01	5.07E-05	9.36E-03	2.14E-03	1.37E-01
3328	495363.09	3847877.25	1.23E-01	4.74E-05	1.07E-02	2.15E-03	1.36E-01	1.28E-01	4.84E-01	9.76E-01	7.36E-02	1.66E+00	1.28E-01	5.55E-05	1.07E-02	2.15E-03	1.41E-01
3329	495863.09	3847877.25	1.19E-01	4.27E-05	1.03E-02	2.02E-03	1.32E-01	1.25E-01	4.36E-01	9.38E-01	6.92E-02	1.57E+00	1.24E-01	4.99E-05	1.03E-02	2.02E-03	1.37E-01
3330	496363.09	3847877.25	1.16E-01	4.57E-05	1.16E-02	2.37E-03	1.30E-01	1.21E-01	4.67E-01	1.06E+00	8.10E-02	1.73E+00	1.21E-01	5.34E-05	1.16E-02	2.37E-03	1.35E-01
3331	496863.09	3847877.25	1.47E-01	5.09E-05	1.10E-02	2.34E-03	1.61E-01	1.54E-01	5.20E-01	9.99E-01	7.99E-02	1.75E+00	1.53E-01	5.95E-05	1.10E-02	2.34E-03	1.67E-01
3332	497363.09	3847877.25	1.45E-01	5.33E-05	1.03E-02	2.29E-03	1.58E-01	1.52E-01	5.44E-01	9.43E-01	7.84E-02	1.72E+00	1.51E-01	6.23E-05	1.03E-02	2.29E-03	1.64E-01
3333	497863.09	3847877.25	1.42E-01	4.60E-05	1.29E-02	2.22E-03	1.57E-01	1.48E-01	4.70E-01	1.17E+00	7.61E-02	1.87E+00	1.48E-01	5.38E-05	1.29E-02	2.22E-03	1.63E-01
3334	498363.09	3847877.25	1.32E-01	3.68E-05	1.29E-02	2.29E-03	1.47E-01	1.37E-01	3.76E-01	1.17E+00	7.83E-02	1.77E+00	1.37E-01	4.31E-05	1.29E-02	2.29E-03	1.52E-01
3335	471363.09	3848377.25	1.33E+00	3.00E-04	6.23E-03	2.82E-03	1.34E+00	1.39E+00	3.06E+00	5.68E-01	9.63E-02	5.11E+00	1.38E+00	3.51E-04	6.23E-03	2.82E-03	1.39E+00
3336	471863.09	3848377.25	1.36E+00	2.65E-04	7.05E-03	3.01E-03	1.37E+00	1.42E+00	2.71E+00	6.43E-01	1.03E-01	4.87E+00	1.41E+00	3.11E-04	7.05E-03	3.01E-03	1.42E+00
3337	472363.09	3848377.25	1.36E+00	2.99E-04	7.24E-03	3.39E-03	1.38E+00	1.42E+00	3.06E+00	6.61E-01	1.16E-01	5.26E+00	1.42E+00	3.50E-04	7.24E-03	3.39E-03	1.43E+00
3338	472863.09	3848377.25	1.39E+00	3.10E-04	6.83E-03	3.64E-03	1.40E+00	1.45E+00	3.16E+00	6.23E-01	1.24E-01	5.36E+00	1.44E+00	3.62E-04	6.83E-03	3.64E-03	1.45E+00
3339	473363.09	3848377.25	1.64E+00	3.17E-04	6.70E-03	3.83E-03	1.65E+00	1.71E+00	3.24E+00	6.11E-01	1.31E-01	5.69E+00	1.71E+00	3.70E-04	6.70E-03	3.83E-03	1.72E+00
3340	473863.09	3848377.25	1.64E+00	3.14E-04	6.49E-03	4.16E-03	1.65E+00	1.71E+00	3.21E+00	5.92E-01	1.42E-01	5.65E+00	1.71E+00	3.68E-04	6.49E-03	4.16E-03	1.72E+00
3341	474363.09	3848377.25	1.32E+00	2.93E-04	6.23E-03	4.47E-03	1.33E+00	1.37E+00	2.99E+00	5.69E-01	1.53E-01	5.09E+00	1.37E+00	3.43E-04	6.23E-03	4.47E-03	1.38E+00
3342	474863.09	3848377.25	1.54E+00	2.39E-04	6.46E-03	4.54E-03	1.55E+00	1.61E+00	2.44E+00	5.90E-01	1.55E-01	4.79E+00	1.61E+00	2.79E-04	6.46E-03	4.54E-03	1.62E+00
3343	475363.09	3848377.25	1.43E+00	2.71E-04	7.06E-03	4.46E-03	1.44E+00	1.49E+00	2.76E+00	6.44E-01	1.52E-01	5.05E+00	1.49E+00	3.17E-04	7.06E-03	4.46E-03	1.50E+00
3344	475863.09	3848377.25	1.60E+00	2.01E-04	8.10E-03	4.26E-03	1.62E+00	1.67E+00	2.06E+00	7.39E-01	1.46E-01	4.61E+00	1.67E+00	2.35E-04	8.10E-03	4.26E-03	1.68E+00
3345	476363.09	3848377.25	1.27E+00	1.80E-04	9.00E-03	3.79E-03	1.29E+00	1.33E+00	1.84E+00	8.20E-01	1.30E-01	4.11E+00	1.32E+00	2.10E-04	9.00E-03	3.79E-03	1.34E+00
3346	476863.09	3848377.25	1.55E+00	2.87E-04	9.44E-03	4.40E-03	1.56E+00	1.61E+00	2.93E+00	8.61E-01	1.50E-01	5.55E+00	1.61E+00	3.35E-04	9.44E-03	4.40E-03	1.62E+00
3347	477363.09	3848377.25	2.04E+00	2.47E-04	9.29E-03	6.30E-03	2.06E+00	2.13E+00	2.53E+00	8.48E-01	2.15E-01	5.72E+00	2.13E+00	2.89E-04	9.29E-03	6.30E-03	2.15E+00
3348	477863.09	3848377.25	2.53E+00	2.20E-04	8.58E-03	6.88E-03	2.55E+00	2.64E+00	2.25E+00	7.82E-01	2.35E-01	5.91E+00	2.64E+00	2.57E-04	8.58E-03	6.88E-03	2.65E+00
3349	478363.09	3848377.25	2.20E+00	1.76E-04	7.45E-03	6.07E-03	2.21E+00	2.29E+00	1.80E+00	6.79E-01	2.08E-01	4.98E+00	2.29E+00	2.06E-04	7.45E-03	6.07E-03	2.30E+00
3350	478863.09	3848377.25	2.17E+00	1.46E-04	7.42E-03	8.39E-03	2.19E+00	2.27E+00	1.50E+00	6.76E-01	2.87E-01	4.73E+00	2.26E+00	1.71E-04	7.42E-03	8.39E-03	2.28E+00
3351	479363.09	3848377.25	1.10E+00	8.55E-05	1.16E-02	5.36E-03	1.12E+00	1.15E+00	8.74E-01	1.06E+00	1.83E-01	3.27E+00	1.15E+00	1.00E-04	1.16E-02	5.36E-03	1.17E+00

3352	479863.09	3848377.25	3.32E-01	6.62E-05	8.28E-03	3.17E-03	3.43E-01	3.46E-01	6.76E-01	7.56E-01	1.09E-01	1.89E+00	3.45E-01	7.74E-05	8.28E-03	3.17E-03	3.57E-01
3353	480363.09	3848377.25	4.25E-01	6.30E-05	8.97E-03	3.38E-03	4.38E-01	4.44E-01	6.44E-01	8.18E-01	1.16E-01	2.02E+00	4.43E-01	7.37E-05	8.97E-03	3.38E-03	4.55E-01
3354	480863.09	3848377.25	6.18E-01	6.17E-05	8.56E-03	3.62E-03	6.30E-01	6.45E-01	6.30E-01	7.81E-01	1.24E-01	2.18E+00	6.43E-01	7.21E-05	8.56E-03	3.62E-03	6.56E-01
3355	481363.09	3848377.25	4.45E-01	6.47E-05	7.61E-03	3.89E-03	4.56E-01	4.64E-01	6.61E-01	6.94E-01	1.33E-01	1.95E+00	4.63E-01	7.57E-05	7.61E-03	3.89E-03	4.75E-01
3356	481863.09	3848377.25	4.35E-01	6.00E-05	8.09E-03	4.14E-03	4.48E-01	4.54E-01	6.13E-01	7.38E-01	1.41E-01	1.95E+00	4.53E-01	7.01E-05	8.09E-03	4.14E-03	4.66E-01
3357	482363.09	3848377.25	4.40E-01	7.03E-05	9.80E-03	3.82E-03	4.53E-01	4.59E-01	7.19E-01	8.94E-01	1.30E-01	2.20E+00	4.58E-01	8.23E-05	9.80E-03	3.82E-03	4.72E-01
3358	482863.09	3848377.25	4.23E-01	6.66E-05	1.02E-02	3.20E-03	4.37E-01	4.42E-01	6.80E-01	9.33E-01	1.09E-01	2.16E+00	4.41E-01	7.79E-05	1.02E-02	3.20E-03	4.54E-01
3359	483363.09	3848377.25	4.25E-01	6.91E-05	1.08E-02	3.05E-03	4.39E-01	4.43E-01	7.06E-01	9.88E-01	1.04E-01	2.24E+00	4.42E-01	8.09E-05	1.08E-02	3.05E-03	4.56E-01
3360	483863.09	3848377.25	3.70E-01	5.94E-05	1.06E-02	3.38E-03	3.84E-01	3.86E-01	6.07E-01	9.67E-01	1.16E-01	2.07E+00	3.85E-01	6.95E-05	1.06E-02	3.38E-03	3.99E-01
3361	484363.09	3848377.25	3.55E-01	5.53E-05	1.29E-02	4.08E-03	3.72E-01	3.70E-01	5.65E-01	1.17E+00	1.40E-01	2.25E+00	3.69E-01	6.47E-05	1.29E-02	4.08E-03	3.86E-01
3362	484863.09	3848377.25	3.30E-01	6.41E-05	1.64E-02	4.13E-03	3.51E-01	3.45E-01	6.54E-01	1.49E+00	1.41E-01	2.63E+00	3.44E-01	7.49E-05	1.64E-02	4.13E-03	3.65E-01
3363	485363.09	3848377.25	3.66E-01	6.10E-05	1.65E-02	3.77E-03	3.87E-01	3.82E-01	6.23E-01	1.51E+00	1.29E-01	2.64E+00	3.81E-01	7.14E-05	1.65E-02	3.77E-03	4.02E-01
3364	485863.09	3848377.25	3.13E-01	5.76E-05	1.54E-02	3.42E-03	3.32E-01	3.26E-01	5.89E-01	1.41E+00	1.17E-01	2.44E+00	3.26E-01	6.74E-05	1.54E-02	3.42E-03	3.45E-01
3365	486363.09	3848377.25	2.46E-01	5.98E-05	1.07E-02	3.48E-03	2.61E-01	2.57E-01	6.11E-01	9.76E-01	1.19E-01	1.96E+00	2.56E-01	6.99E-05	1.07E-02	3.48E-03	2.71E-01
3366	486863.09	3848377.25	2.54E-01	6.90E-05	1.06E-02	3.45E-03	2.68E-01	2.65E-01	7.05E-01	9.63E-01	1.18E-01	2.05E+00	2.65E-01	8.08E-05	1.06E-02	3.45E-03	2.79E-01
3367	487363.09	3848377.25	1.92E-01	6.27E-05	9.02E-03	3.42E-03	2.05E-01	2.01E-01	6.41E-01	8.22E-01	1.17E-01	1.78E+00	2.00E-01	7.34E-05	9.02E-03	3.42E-03	2.13E-01
3368	487863.09	3848377.25	1.65E-01	4.64E-05	1.12E-02	3.48E-03	1.80E-01	1.72E-01	4.74E-01	1.02E+00	1.19E-01	1.79E+00	1.72E-01	5.43E-05	1.12E-02	3.48E-03	1.87E-01
3369	488363.09	3848377.25	1.60E-01	4.58E-05	1.62E-02	3.40E-03	1.79E-01	1.66E-01	4.68E-01	1.48E+00	1.16E-01	2.23E+00	1.66E-01	5.36E-05	1.62E-02	3.40E-03	1.86E-01
3370	488863.09	3848377.25	1.66E-01	5.20E-05	1.97E-02	3.53E-03	1.89E-01	1.73E-01	5.31E-01	1.80E+00	1.21E-01	2.62E+00	1.72E-01	6.08E-05	1.97E-02	3.53E-03	1.96E-01
3371	489363.09	3848377.25	1.59E-01	4.24E-05	1.98E-02	3.43E-03	1.82E-01	1.66E-01	4.33E-01	1.81E+00	1.17E-01	2.52E+00	1.65E-01	4.96E-05	1.98E-02	3.43E-03	1.89E-01
3372	489863.09	3848377.25	1.52E-01	4.02E-05	1.61E-02	3.32E-03	1.72E-01	1.59E-01	4.11E-01	1.47E+00	1.14E-01	2.15E+00	1.58E-01	4.71E-05	1.61E-02	3.32E-03	1.78E-01
3373	490363.09	3848377.25	2.24E-01	4.52E-05	1.25E-02	2.94E-03	2.39E-01	2.33E-01	4.62E-01	1.14E+00	1.00E-01	1.94E+00	2.33E-01	5.29E-05	1.25E-02	2.94E-03	2.48E-01
3374	490863.09	3848377.25	2.51E-01	4.45E-05	1.22E-02	3.02E-03	2.67E-01	2.62E-01	4.55E-01	1.11E+00	1.03E-01	1.93E+00	2.62E-01	5.21E-05	1.22E-02	3.02E-03	2.77E-01
3375	491363.09	3848377.25	2.55E-01	4.18E-05	1.30E-02	2.89E-03	2.71E-01	2.66E-01	4.27E-01	1.19E+00	9.88E-02	1.98E+00	2.65E-01	4.89E-05	1.30E-02	2.89E-03	2.81E-01
3376	491863.09	3848377.25	2.51E-01	3.85E-05	1.05E-02	2.73E-03	2.64E-01	2.62E-01	3.93E-01	9.55E-01	9.32E-02	1.70E+00	2.61E-01	4.50E-05	1.05E-02	2.73E-03	2.74E-01
3377	492363.09	3848377.25	2.45E-01	3.09E-05	1.07E-02	2.49E-03	2.58E-01	2.55E-01	3.15E-01	9.79E-01	8.53E-02	1.64E+00	2.55E-01	3.61E-05	1.07E-02	2.49E-03	2.68E-01
3378	492863.09	3848377.25	2.27E-01	2.53E-05	9.42E-03	2.09E-03	2.38E-01	2.36E-01	2.58E-01	8.59E-01	7.14E-02	1.43E+00	2.36E-01	2.96E-05	9.42E-03	2.09E-03	2.47E-01
3379	493363.09	3848377.25	1.89E-01	2.68E-05	8.33E-03	2.10E-03	2.00E-01	1.97E-01	2.74E-01	7.60E-01	7.18E-02	1.30E+00	1.97E-01	3.14E-05	8.33E-03	2.10E-03	2.07E-01
3380	493863.09	3848377.25	1.32E-01	3.30E-05	9.22E-03	1.97E-03	1.43E-01	1.37E-01	3.37E-01	8.41E-01	6.75E-02	1.38E+00	1.37E-01	3.86E-05	9.22E-03	1.97E-03	1.48E-01
3381	494363.09	3848377.25	1.24E-01	4.20E-05	9.56E-03	1.99E-03	1.35E-01	1.29E-01	4.29E-01	8.72E-01	6.81E-02	1.50E+00	1.29E-01	4.92E-05	9.56E-03	1.99E-03	1.40E-01
3382	494863.09	3848377.25	1.25E-01	4.74E-05	1.02E-02	2.10E-03	1.37E-01	1.31E-01	4.84E-01	9.26E-01	7.19E-02	1.61E+00	1.30E-01	5.54E-05	1.02E-02	2.10E-03	1.43E-01
3383	495363.09	3848377.25	1.20E-01	4.33E-05	1.06E-02	2.10E-03	1.33E-01	1.26E-01	4.42E-01	9.66E-01	7.18E-02	1.61E+00	1.25E-01	5.06E-05	1.06E-02	2.10E-03	1.38E-01
3384	495863.09	3848377.25	1.16E-01	4.18E-05	1.05E-02	2.02E-03	1.29E-01	1.21E-01	4.27E-01	9.58E-01	6.91E-02	1.58E+00	1.21E-01	4.89E-05	1.05E-02	2.02E-03	1.33E-01
3385	496363.09	3848377.25	1.16E-01	5.00E-05	1.01E-02	2.03E-03	1.28E-01	1.21E-01	5.11E-01	9.18E-01	6.94E-02	1.62E+00	1.20E-01	5.85E-05	1.01E-02	2.03E-03	1.33E-01
3386	496863.09	3848377.25	1.13E-01	5.45E-05	9.90E-03	2.06E-03	1.25E-01	1.18E-01	5.56E-01	9.03E-01	7.04E-02	1.65E+00	1.17E-01	6.37E-05	9.90E-03	2.06E-03	1.29E-01
3387	497363.09	3848377.25	1.15E-01	4.86E-05	1.08E-02	2.09E-03	1.28E-01	1.20E-01	4.96E-01	9.81E-01	7.14E-02	1.67E+00	1.20E-01	5.68E-05	1.08E-02	2.09E-03	1.33E-01
3388	497863.09	3848377.25	1.30E-01	3.95E-05	1.31E-02	2.45E-03	1.45E-01	1.36E-01	4.04E-01	1.19E+00	8.37E-02	1.82E+00	1.35E-01	4.62E-05	1.31E-02	2.45E-03	1.51E-01
3389	498363.09	3848377.25	1.32E-01	3.29E-05	1.23E-02	2.39E-03	1.46E-01	1.37E-01	3.36E-01	1.12E+00	8.18E-02	1.67E+00	1.37E-01	3.85E-05	1.23E-02	2.39E-03	1.52E-01
3390	471363.09	3848877.25	8.66E-01	3.32E-04	4.60E-03	2.69E-03	8.73E-01	9.03E-01	3.39E+00	4.19E-01	9.20E-02	4.81E+00	9.01E-01	3.89E-04	4.60E-03	2.69E-03	9.09E-01
3391	471863.09	3848877.25	1.24E+00	3.44E-04	5.55E-03	2.81E-03	1.25E+00	1.29E+00	3.52E+00	5.07E-01	9.60E-02	5.41E+00	1.29E+00	4.03E-04	5.55E-03	2.81E-03	1.30E+00
3392	472363.09	3848877.25	1.43E+00	2.96E-04	6.73E-03	3.03E-03	1.44E+00	1.49E+00	3.03E+00	6.14E-01	1.04E-01	5.24E+00	1.49E+00	3.47E-04	6.73E-03	3.03E-03	1.50E+00
3393	472863.09	3848877.25	1.49E+00	2.98E-04	7.42E-03	3.38E-03	1.50E+00	1.55E+00	3.05E+00	6.76E-01	1.15E-01	5.39E+00	1.55E+00	3.49E-04	7.42E-03	3.38E-03	1.56E+00
3394	473363.09	3848877.25	1.40E+00	3.40E-04	7.42E-03	3.73E-03	1.42E+00	1.47E+00	3.48E+00	6.77E-01	1.27E-01	5.75E+00	1.46E+00	3.98E-04	7.42E-03	3.73E-03	1.47E+00
3395	473863.09	3848877.25	1.62E+00	3.37E-04	7.05E-03	3.96E-03	1.63E+00	1.69E+00	3.44E+00	6.43E-01	1.35E-01	5.90E+00	1.68E+00	3.94E-04	7.05E-03	3.96E-03	1.70E+00
3396	474363.09	3848877.25	1.77E+00	3.63E-04	6.95E-03	4.23E-03	1.78E+00	1.85E+00	3.71E+00	6.34E-01	1.45E-01	6.34E+00	1.85E+00	4.25E-04	6.95E-03	4.23E-03	1.86E+00
3397	474863.09	3848877.25	1.60E+00	2.98E-04	6.67E-03	4.63E-03	1.61E+00	1.67E+00	3.04E+00	6.08E-01	1.58E-01	5.48E+00	1.67E+00	3.48E-04	6.67E-03	4.63E-03	1.68E+00
3398	475363.09	3848877.25	1.68E+00	2.91E-04	6.64E-03	4.77E-03	1.69E+00	1.75E+00	2.97E+00	6.05E-01	1.63E-01	5.49E+00	1.75E+00	3.40E-04	6.64E-03	4.77E-03	1.76E+00
3399	475863.09	3848877.25	1.71E+00	3.26E-04	7.26E-03	4.68E-03	1.73E+00	1.79E+00	3.33E+00	6.62E-01	1.60E-01	5.94E+00	1.79E+00	3.81E-04	7.26E-03	4.68E-03	1.80E+00
3400	476363.09	3848877.25	1.83E+00	2.74E-04	8.20E-03	4.49E-03	1.84E+00	1.91E+00	2.80E+00	7.48E-01	1.54E-01	5.61E+00	1.91E+00	3.21E-04	8.20E-03	4.49E-03	1.92E+00
3401	476863.09	3848877.25	1.54E+00	2.51E-04	9.25E-03	4.00E-03	1.55E+00	1.60E+00	2.57E+00	8.44E-01	1.37E-01	5.15E+00	1.60E+00	2.94E-04	9.25E-03	4.00E-03	1.61E+00
3402	477363.09	3848877.25	1.58E+00	3.51E-04	9.84E-03	4.63E-03	1.59E+00	1.65E+00	3.59E+00	8.98E-01	1.58E-01	6.29E+00	1.64E+00	4.11E-04	9.84E-03	4.63E-03	1.66E+00
3403	477863.09	3848877.25	2.27E+00	2.85E-04	9.78E-03	6.62E-03	2.29E+00	2.37E+00	2.92E+00	8.92E-01	2.26E-01	6.40E+00	2.37E+00	3.34E-04	9.78E-03	6.62E-03	2.38E+00
3404	478363.09	3848877.25	2.83E+00	2.47E-04	9.07E-03	7.05E-03	2.84E+00	2.95E+00	2.52E+00	8.27E-01	2.41E-01	6.54E+00	2.94E+00	2.89E-04	9.07E-03	7.05E-03	2.96E+00
3405	478863.09	3848877.25	2.37E+00	1.81E-04	7.87E-03	8.12E-03	2.39E+00	2.47E+00	1.85E+00	7.17E-01	2.78E-01	5.32E+00	2.47E+00	2.12E-04	7.87E-03	8.12E-03	2.48E+00
3406	479363.09	3848877.25	2.15E+00	1.40E-04	8.14E-03	9.66E-03	2.17E+00	2.25E+00	1.43E+00	7.42E-01	3.30E-01	4.75E+00	2.24E+00	1.64E-04	8.14E-03	9.66E-03	2.26E+00
3407	479863.09	3848877.25	1.14E+00	8.62E-05	1.39E-02	5.91E-03	1.16E+00	1.19E+00	8.80E-01	1.26E+00	2.02E-01	3.54E+00	1.19E+00	1.01E-04	1.39E-02	5.91E-03	1.21E+00
3408	480363.09	3848877.25	1.21E+00	7.93E-05	2.21E-02	4.75E-03	1.23E+00	1.26E+00	8.10E-01	2.02E+00	1.62E-01	4.25E+00	1.26E+00	9.27E-05	2.21E-02	4.75E-03	1.28E+00
3409	480863.09	3848877.25	1.11E+00	8.01E-05	1.85E-02	4.51E-03	1.13E+00	1.16E+00	8.19E-01	1.69E+00	1.54E-01	3.82E+00	1.15E+00	9.37E-05	1.85E-02	4.51E-03	1.18E+00
3410	481363.09	3848877.25	8.45E-01	6.95E-05	8.69E-03	4.99E-03	8.59E-01	8.82E-01	7.10E-01	7.92E-01	1.71E-01	2.56E+00	8.80E-01	8.13E-05	8.69E-03	4.99E-03	8.94E-01
3411	481863.09	3848877.25	5.25E-01	6.40E-05	8.53E-03	4.16E-03	5.38E-01	5.48E-01	6.54E-01	7.78E-01	1.42E-01	2.12E+00	5.47E-01	7.49E-05	8.53E-03	4.16E-03	5.60E-01
3412	482363.09	3848877.25	3.62E-01	7.12E-05	7.93E-03	3.95E-03	3.74E-01	3.78E-01	7.27E-01	7.23E-01	1.35E-01	1.96E+00	3.77E-01	8.32E-05	7.93E-03	3.95E-03	3.89E-01

3413	482863.09	3848877.25	3.18E-01	6.63E-05	9.80E-03	3.39E-03	3.31E-01	3.32E-01	6.78E-01	8.94E-01	1.16E-01	2.02E+00	3.31E-01	7.76E-05	9.80E-03	3.39E-03	3.44E-01
3414	483363.09	3848877.25	3.59E-01	6.13E-05	1.12E-02	3.09E-03	3.73E-01	3.74E-01	6.26E-01	1.02E+00	1.06E-01	2.13E+00	3.73E-01	7.17E-05	1.12E-02	3.09E-03	3.88E-01
3415	483863.09	3848877.25	3.76E-01	6.09E-05	1.11E-02	3.43E-03	3.90E-01	3.92E-01	6.22E-01	1.01E+00	1.17E-01	2.14E+00	3.91E-01	7.13E-05	1.11E-02	3.43E-03	4.06E-01
3416	484363.09	3848877.25	3.77E-01	5.72E-05	1.23E-02	4.14E-03	3.93E-01	3.93E-01	5.84E-01	1.13E+00	1.42E-01	2.24E+00	3.92E-01	6.69E-05	1.23E-02	4.14E-03	4.09E-01
3417	484863.09	3848877.25	3.53E-01	6.56E-05	1.63E-02	4.34E-03	3.74E-01	3.69E-01	6.70E-01	1.49E+00	1.49E-01	2.67E+00	3.68E-01	7.67E-05	1.63E-02	4.34E-03	3.89E-01
3418	485363.09	3848877.25	3.79E-01	7.08E-05	1.81E-02	4.09E-03	4.01E-01	3.95E-01	7.23E-01	1.65E+00	1.40E-01	2.91E+00	3.94E-01	8.28E-05	1.81E-02	4.09E-03	4.17E-01
3419	485863.09	3848877.25	3.30E-01	6.30E-05	1.67E-02	3.67E-03	3.51E-01	3.45E-01	6.44E-01	1.53E+00	1.26E-01	2.64E+00	3.44E-01	7.38E-05	1.67E-02	3.67E-03	3.65E-01
3420	486363.09	3848877.25	2.49E-01	5.92E-05	1.23E-02	3.61E-03	2.65E-01	2.60E-01	6.05E-01	1.12E+00	1.24E-01	2.11E+00	2.60E-01	6.93E-05	1.23E-02	3.61E-03	2.76E-01
3421	486863.09	3848877.25	2.65E-01	7.03E-05	1.11E-02	3.56E-03	2.80E-01	2.77E-01	7.19E-01	1.01E+00	1.22E-01	2.13E+00	2.76E-01	8.23E-05	1.11E-02	3.56E-03	2.91E-01
3422	487363.09	3848877.25	2.31E-01	6.58E-05	9.78E-03	3.53E-03	2.44E-01	2.41E-01	6.73E-01	8.92E-01	1.21E-01	1.93E+00	2.41E-01	7.70E-05	9.78E-03	3.53E-03	2.54E-01
3423	487863.09	3848877.25	1.70E-01	4.62E-05	1.16E-02	3.47E-03	1.85E-01	1.77E-01	4.72E-01	1.06E+00	1.19E-01	1.83E+00	1.77E-01	5.41E-05	1.16E-02	3.47E-03	1.92E-01
3424	488363.09	3848877.25	1.88E-01	4.95E-05	1.71E-02	3.43E-03	2.09E-01	1.97E-01	5.06E-01	1.56E+00	1.17E-01	2.38E+00	1.96E-01	5.79E-05	1.71E-02	3.43E-03	2.17E-01
3425	488863.09	3848877.25	2.06E-01	5.44E-05	2.10E-02	3.65E-03	2.30E-01	2.15E-01	5.56E-01	1.92E+00	1.25E-01	2.81E+00	2.14E-01	6.36E-05	2.10E-02	3.65E-03	2.39E-01
3426	489363.09	3848877.25	1.91E-01	4.49E-05	2.17E-02	3.60E-03	2.17E-01	2.00E-01	4.59E-01	1.98E+00	1.23E-01	2.76E+00	1.99E-01	5.25E-05	2.17E-02	3.60E-03	2.25E-01
3427	489863.09	3848877.25	2.16E-01	4.38E-05	1.81E-02	3.39E-03	2.37E-01	2.25E-01	4.48E-01	1.65E+00	1.16E-01	2.44E+00	2.25E-01	5.13E-05	1.81E-02	3.39E-03	2.46E-01
3428	490363.09	3848877.25	2.50E-01	4.55E-05	1.38E-02	3.03E-03	2.67E-01	2.61E-01	4.65E-01	1.25E+00	1.04E-01	2.08E+00	2.61E-01	5.33E-05	1.38E-02	3.03E-03	2.77E-01
3429	490863.09	3848877.25	2.67E-01	4.12E-05	1.31E-02	2.97E-03	2.83E-01	2.79E-01	4.21E-01	1.19E+00	1.01E-01	2.00E+00	2.78E-01	4.82E-05	1.31E-02	2.97E-03	2.94E-01
3430	491363.09	3848877.25	2.54E-01	3.98E-05	1.29E-02	2.82E-03	2.70E-01	2.65E-01	4.07E-01	1.17E+00	9.63E-02	1.94E+00	2.64E-01	4.66E-05	1.29E-02	2.82E-03	2.80E-01
3431	491863.09	3848877.25	2.49E-01	3.48E-05	1.08E-02	2.68E-03	2.63E-01	2.60E-01	3.55E-01	9.86E-01	9.17E-02	1.69E+00	2.60E-01	4.07E-05	1.08E-02	2.68E-03	2.73E-01
3432	492363.09	3848877.25	2.34E-01	2.78E-05	1.09E-02	2.43E-03	2.48E-01	2.45E-01	2.84E-01	9.93E-01	8.31E-02	1.60E+00	2.44E-01	3.25E-05	1.09E-02	2.43E-03	2.57E-01
3433	492863.09	3848877.25	2.00E-01	2.56E-05	8.45E-03	2.18E-03	2.10E-01	2.08E-01	2.61E-01	7.71E-01	7.45E-02	1.32E+00	2.08E-01	2.99E-05	8.45E-03	2.18E-03	2.19E-01
3434	493363.09	3848877.25	1.43E-01	3.07E-05	9.12E-03	1.97E-03	1.54E-01	1.49E-01	3.14E-01	8.32E-01	6.73E-02	1.36E+00	1.49E-01	3.60E-05	9.12E-03	1.97E-03	1.60E-01
3435	493863.09	3848877.25	1.27E-01	4.03E-05	9.75E-03	2.01E-03	1.39E-01	1.33E-01	4.12E-01	8.89E-01	6.87E-02	1.50E+00	1.32E-01	4.72E-05	9.75E-03	2.01E-03	1.44E-01
3436	494363.09	3848877.25	1.27E-01	4.71E-05	1.04E-02	2.14E-03	1.39E-01	1.32E-01	4.81E-01	9.48E-01	7.32E-02	1.63E+00	1.32E-01	5.51E-05	1.04E-02	2.14E-03	1.45E-01
3437	494863.09	3848877.25	1.21E-01	4.77E-05	1.10E-02	2.20E-03	1.35E-01	1.27E-01	4.87E-01	1.00E+00	7.51E-02	1.69E+00	1.26E-01	5.58E-05	1.10E-02	2.20E-03	1.40E-01
3438	495363.09	3848877.25	1.18E-01	4.52E-05	1.12E-02	2.14E-03	1.31E-01	1.23E-01	4.61E-01	1.02E+00	7.30E-02	1.68E+00	1.22E-01	5.28E-05	1.12E-02	2.14E-03	1.36E-01
3439	495863.09	3848877.25	1.12E-01	4.55E-05	9.88E-03	1.96E-03	1.24E-01	1.17E-01	4.65E-01	9.01E-01	6.69E-02	1.55E+00	1.17E-01	5.33E-05	9.88E-03	1.96E-03	1.29E-01
3440	496363.09	3848877.25	1.10E-01	5.24E-05	1.00E-02	2.02E-03	1.22E-01	1.15E-01	5.35E-01	9.13E-01	6.90E-02	1.63E+00	1.15E-01	6.12E-05	1.00E-02	2.02E-03	1.27E-01
3441	496863.09	3848877.25	1.15E-01	5.17E-05	1.09E-02	2.15E-03	1.28E-01	1.20E-01	5.28E-01	9.98E-01	7.35E-02	1.72E+00	1.20E-01	6.04E-05	1.09E-02	2.15E-03	1.33E-01
3442	497363.09	3848877.25	1.30E-01	4.24E-05	1.32E-02	2.27E-03	1.45E-01	1.36E-01	4.33E-01	1.21E+00	7.77E-02	1.85E+00	1.35E-01	4.96E-05	1.32E-02	2.27E-03	1.51E-01
3443	497863.09	3848877.25	1.65E-01	3.52E-05	1.25E-02	2.51E-03	1.80E-01	1.72E-01	3.59E-01	1.14E+00	8.60E-02	1.75E+00	1.72E-01	4.11E-05	1.25E-02	2.51E-03	1.87E-01
3444	498363.09	3848877.25	2.03E-01	3.15E-05	1.11E-02	2.55E-03	2.17E-01	2.12E-01	3.22E-01	1.01E+00	8.72E-02	1.64E+00	2.12E-01	3.69E-05	1.11E-02	2.55E-03	2.25E-01
3445	471363.09	3849377.25	1.17E+00	2.66E-04	4.46E-03	2.35E-03	1.17E+00	1.22E+00	2.72E+00	4.06E-01	8.03E-02	4.42E+00	1.21E+00	3.11E-04	4.46E-03	2.35E-03	1.22E+00
3446	471863.09	3849377.25	9.98E-01	3.42E-04	4.64E-03	2.63E-03	1.01E+00	1.04E+00	3.49E+00	4.23E-01	8.99E-02	5.05E+00	1.04E+00	4.00E-04	4.64E-03	2.63E-03	1.05E+00
3447	472363.09	3849377.25	9.76E-01	3.74E-04	4.94E-03	2.84E-03	9.84E-01	1.02E+00	3.82E+00	4.51E-01	9.72E-02	5.39E+00	1.02E+00	4.37E-04	4.94E-03	2.84E-03	1.02E+00
3448	472863.09	3849377.25	1.34E+00	3.64E-04	6.10E-03	3.04E-03	1.35E+00	1.40E+00	3.72E+00	5.56E-01	1.04E-01	5.78E+00	1.40E+00	4.26E-04	6.10E-03	3.04E-03	1.40E+00
3449	473363.09	3849377.25	1.56E+00	3.20E-04	7.24E-03	3.32E-03	1.57E+00	1.62E+00	3.27E+00	6.60E-01	1.14E-01	5.67E+00	1.62E+00	3.75E-04	7.24E-03	3.32E-03	1.63E+00
3450	473863.09	3849377.25	1.60E+00	3.53E-04	7.76E-03	3.77E-03	1.61E+00	1.67E+00	3.61E+00	7.07E-01	1.29E-01	6.11E+00	1.66E+00	4.13E-04	7.76E-03	3.77E-03	1.67E+00
3451	474363.09	3849377.25	1.50E+00	3.56E-04	7.51E-03	4.08E-03	1.52E+00	1.57E+00	3.64E+00	6.85E-01	1.39E-01	6.04E+00	1.57E+00	4.17E-04	7.51E-03	4.08E-03	1.58E+00
3452	474863.09	3849377.25	1.79E+00	3.92E-04	7.38E-03	4.37E-03	1.80E+00	1.87E+00	4.00E+00	6.73E-01	1.50E-01	6.69E+00	1.86E+00	4.58E-04	7.38E-03	4.37E-03	1.88E+00
3453	475363.09	3849377.25	1.90E+00	3.51E-04	7.19E-03	4.78E-03	1.91E+00	1.99E+00	3.59E+00	6.56E-01	1.63E-01	6.39E+00	1.98E+00	4.11E-04	7.19E-03	4.78E-03	1.99E+00
3454	475863.09	3849377.25	1.57E+00	3.67E-04	7.02E-03	5.01E-03	1.59E+00	1.64E+00	3.75E+00	6.40E-01	1.71E-01	6.20E+00	1.64E+00	4.29E-04	7.02E-03	5.01E-03	1.65E+00
3455	476363.09	3849377.25	1.79E+00	4.43E-04	7.49E-03	4.91E-03	1.81E+00	1.87E+00	4.52E+00	6.83E-01	1.68E-01	7.24E+00	1.87E+00	5.18E-04	7.49E-03	4.91E-03	1.88E+00
3456	476863.09	3849377.25	1.86E+00	4.26E-04	8.26E-03	4.75E-03	1.87E+00	1.94E+00	4.35E+00	7.54E-01	1.63E-01	7.21E+00	1.94E+00	4.99E-04	8.26E-03	4.75E-03	1.95E+00
3457	477363.09	3849377.25	1.79E+00	3.97E-04	9.50E-03	4.24E-03	1.80E+00	1.86E+00	4.05E+00	8.66E-01	1.45E-01	6.93E+00	1.86E+00	4.64E-04	9.50E-03	4.24E-03	1.87E+00
3458	477863.09	3849377.25	1.70E+00	3.48E-04	1.03E-02	5.14E-03	1.71E+00	1.77E+00	3.56E+00	9.35E-01	1.76E-01	6.44E+00	1.77E+00	4.07E-04	1.03E-02	5.14E-03	1.78E+00
3459	478363.09	3849377.25	2.47E+00	3.18E-04	1.03E-02	6.75E-03	2.49E+00	2.58E+00	3.25E+00	9.41E-01	2.31E-01	7.00E+00	2.57E+00	3.73E-04	1.03E-02	6.75E-03	2.59E+00
3460	478863.09	3849377.25	3.02E+00	2.37E-04	9.61E-03	7.19E-03	3.04E+00	3.15E+00	2.42E+00	8.77E-01	2.46E-01	6.70E+00	3.15E+00	2.77E-04	9.61E-03	7.19E-03	3.16E+00
3461	479363.09	3849377.25	2.60E+00	1.85E-04	8.33E-03	9.74E-03	2.62E+00	2.71E+00	1.89E+00	7.59E-01	3.33E-01	5.69E+00	2.71E+00	2.16E-04	8.33E-03	9.74E-03	2.72E+00
3462	479863.09	3849377.25	2.17E+00	1.44E-04	9.07E-03	1.12E-02	2.19E+00	2.27E+00	1.47E+00	8.27E-01	3.83E-01	4.95E+00	2.26E+00	1.68E-04	9.07E-03	1.12E-02	2.28E+00
3463	480363.09	3849377.25	1.77E+00	1.52E-04	2.02E-02	1.07E-02	1.80E+00	1.84E+00	1.56E+00	1.84E+00	3.67E-01	5.61E+00	1.84E+00	1.78E-04	2.02E-02	1.07E-02	1.87E+00
3464	480863.09	3849377.25	1.71E+00	1.23E-04	2.94E-02	6.21E-03	1.75E+00	1.79E+00	1.26E+00	2.68E+00	2.12E-01	5.93E+00	1.78E+00	1.44E-04	2.94E-02	6.21E-03	1.82E+00
3465	481363.09	3849377.25	1.05E+00	7.99E-05	1.42E-02	4.84E-03	1.07E+00	1.10E+00	8.16E-01	1.29E+00	1.66E-01	3.37E+00	1.10E+00	9.35E-05	1.42E-02	4.84E-03	1.11E+00
3466	481863.09	3849377.25	5.13E-01	6.54E-05	8.82E-03	4.15E-03	5.26E-01	5.35E-01	6.68E-01	8.04E-01	1.42E-01	2.15E+00	5.34E-01	7.65E-05	8.82E-03	4.15E-03	5.47E-01
3467	482363.09	3849377.25	3.73E-01	7.22E-05	7.44E-03	4.11E-03	3.85E-01	3.90E-01	7.38E-01	6.78E-01	1.41E-01	1.95E+00	3.89E-01	8.45E-05	7.44E-03	4.11E-03	4.00E-01
3468	482863.09	3849377.25	2.91E-01	6.74E-05	9.04E-03	3.60E-03	3.04E-01	3.04E-01	6.88E-01	8.24E-01	1.23E-01	1.94E+00	3.03E-01	7.88E-05	9.04E-03	3.60E-03	3.16E-01
3469	483363.09	3849377.25	3.53E-01	6.32E-05	1.11E-02	3.16E-03	3.67E-01	3.68E-01	6.45E-01	1.01E+00	1.08E-01	2.14E+00	3.68E-01	7.39E-05	1.11E-02	3.16E-03	3.82E-01
3470	483863.09	3849377.25	2.98E-01	6.22E-05	1.19E-02	3.47E-03	3.14E-01	3.11E-01	6.35E-01	1.09E+00	1.19E-01	2.15E+00	3.11E-01	7.27E-05	1.19E-02	3.47E-03	3.26E-01
3471	484363.09	3849377.25	4.26E-01	6.94E-05	1.19E-02	4.14E-03	4.42E-01	4.45E-01	7.09E-01	1.09E+00	1.42E-01	2.38E+00	4.44E-01	8.12E-05	1.19E-02	4.14E-03	4.60E-01
3472	484863.09	3849377.25	3.90E-01	6.67E-05	1.53E-02	4.55E-03	4.10E-01	4.07E-01	6.82E-01	1.39E+00	1.55E-01	2.64E+00	4.06E-01	7.81E-05	1.53E-02	4.55E-03	4.26E-01
3473	485363.09	3849377.25	4.44E-01	7.47E-05	2.08E-02	4.41E-03	4.70E-01	4.64E-01	7.63E-01	1.90E+00	1.51E-01	3.28E+00	4.63E-01	8.74E-05	2.08E-02	4.41E-03	4.88E-01

3474	485863.09	3849377.25	3.48E-01	5.94E-05	1.57E-02	3.62E-03	3.67E-01	3.63E-01	6.07E-01	1.43E+00	1.24E-01	2.53E+00	3.62E-01	6.95E-05	1.57E-02	3.62E-03	3.81E-01
3475	486363.09	3849377.25	2.52E-01	5.84E-05	1.18E-02	3.69E-03	2.68E-01	2.63E-01	5.97E-01	1.08E+00	1.26E-01	2.07E+00	2.63E-01	6.83E-05	1.18E-02	3.69E-03	2.78E-01
3476	486863.09	3849377.25	2.73E-01	7.13E-05	1.17E-02	3.64E-03	2.88E-01	2.85E-01	7.28E-01	1.07E+00	1.24E-01	2.20E+00	2.84E-01	8.34E-05	1.17E-02	3.64E-03	3.00E-01
3477	487363.09	3849377.25	2.34E-01	6.91E-05	1.06E-02	3.75E-03	2.49E-01	2.44E-01	7.06E-01	9.67E-01	1.28E-01	2.05E+00	2.44E-01	8.09E-05	1.06E-02	3.75E-03	2.58E-01
3478	487863.09	3849377.25	2.19E-01	5.04E-05	1.21E-02	3.48E-03	2.34E-01	2.28E-01	5.14E-01	1.10E+00	1.19E-01	1.96E+00	2.28E-01	5.89E-05	1.21E-02	3.48E-03	2.44E-01
3479	488363.09	3849377.25	2.42E-01	5.19E-05	1.80E-02	3.67E-03	2.64E-01	2.53E-01	5.30E-01	1.64E+00	1.25E-01	2.55E+00	2.52E-01	6.07E-05	1.80E-02	3.67E-03	2.74E-01
3480	488863.09	3849377.25	2.36E-01	5.85E-05	2.20E-02	3.92E-03	2.62E-01	2.46E-01	5.98E-01	2.01E+00	1.34E-01	2.99E+00	2.46E-01	6.84E-05	2.20E-02	3.92E-03	2.72E-01
3481	489363.09	3849377.25	2.73E-01	5.10E-05	2.23E-02	3.94E-03	3.00E-01	2.85E-01	5.21E-01	2.04E+00	1.35E-01	2.98E+00	2.85E-01	5.97E-05	2.23E-02	3.94E-03	3.11E-01
3482	489863.09	3849377.25	3.00E-01	4.82E-05	1.76E-02	3.61E-03	3.21E-01	3.13E-01	4.92E-01	1.60E+00	1.23E-01	2.53E+00	3.12E-01	5.64E-05	1.76E-02	3.61E-03	3.34E-01
3483	490363.09	3849377.25	2.72E-01	4.35E-05	1.52E-02	2.98E-03	2.91E-01	2.84E-01	4.44E-01	1.38E+00	1.02E-01	2.21E+00	2.84E-01	5.09E-05	1.52E-02	2.98E-03	3.02E-01
3484	490863.09	3849377.25	2.93E-01	3.82E-05	1.57E-02	2.87E-03	3.11E-01	3.05E-01	3.90E-01	1.43E+00	9.82E-02	2.23E+00	3.05E-01	4.47E-05	1.57E-02	2.87E-03	3.23E-01
3485	491363.09	3849377.25	2.72E-01	3.77E-05	1.41E-02	2.82E-03	2.89E-01	2.84E-01	3.85E-01	1.29E+00	9.63E-02	2.05E+00	2.83E-01	4.41E-05	1.41E-02	2.82E-03	3.00E-01
3486	491863.09	3849377.25	2.41E-01	3.06E-05	1.20E-02	2.66E-03	2.56E-01	2.52E-01	3.13E-01	1.09E+00	9.08E-02	1.75E+00	2.51E-01	3.58E-05	1.20E-02	2.66E-03	2.66E-01
3487	492363.09	3849377.25	2.15E-01	2.67E-05	1.06E-02	2.44E-03	2.28E-01	2.24E-01	2.72E-01	9.66E-01	8.34E-02	1.55E+00	2.23E-01	3.12E-05	1.06E-02	2.44E-03	2.37E-01
3488	492863.09	3849377.25	1.54E-01	2.87E-05	9.30E-03	2.16E-03	1.66E-01	1.61E-01	2.94E-01	8.48E-01	7.40E-02	1.38E+00	1.61E-01	3.36E-05	9.30E-03	2.16E-03	1.72E-01
3489	493363.09	3849377.25	1.30E-01	3.83E-05	9.95E-03	2.04E-03	1.42E-01	1.36E-01	3.92E-01	9.08E-01	6.96E-02	1.50E+00	1.35E-01	4.48E-05	9.95E-03	2.04E-03	1.47E-01
3490	493863.09	3849377.25	1.28E-01	4.65E-05	1.08E-02	2.18E-03	1.41E-01	1.34E-01	4.75E-01	9.81E-01	7.45E-02	1.66E+00	1.33E-01	5.44E-05	1.08E-02	2.18E-03	1.46E-01
3491	494363.09	3849377.25	1.22E-01	4.85E-05	1.14E-02	2.26E-03	1.36E-01	1.28E-01	4.96E-01	1.04E+00	7.71E-02	1.74E+00	1.27E-01	5.68E-05	1.14E-02	2.26E-03	1.41E-01
3492	494863.09	3849377.25	1.52E-01	4.56E-05	1.46E-02	2.37E-03	1.69E-01	1.58E-01	4.66E-01	1.33E+00	8.11E-02	2.04E+00	1.58E-01	5.34E-05	1.46E-02	2.37E-03	1.75E-01
3493	495363.09	3849377.25	1.48E-01	4.75E-05	1.35E-02	2.37E-03	1.64E-01	1.54E-01	4.85E-01	1.23E+00	8.12E-02	1.95E+00	1.54E-01	5.55E-05	1.35E-02	2.37E-03	1.70E-01
3494	495863.09	3849377.25	1.11E-01	5.20E-05	1.03E-02	1.98E-03	1.24E-01	1.16E-01	5.32E-01	9.41E-01	6.77E-02	1.66E+00	1.16E-01	6.09E-05	1.03E-02	1.98E-03	1.28E-01
3495	496363.09	3849377.25	1.13E-01	5.28E-05	1.10E-02	1.92E-03	1.26E-01	1.18E-01	5.40E-01	1.01E+00	6.56E-02	1.73E+00	1.17E-01	6.18E-05	1.10E-02	1.92E-03	1.30E-01
3496	496863.09	3849377.25	1.56E-01	4.55E-05	1.28E-02	2.36E-03	1.71E-01	1.63E-01	4.65E-01	1.17E+00	8.07E-02	1.87E+00	1.62E-01	5.32E-05	1.28E-02	2.36E-03	1.78E-01
3497	497363.09	3849377.25	1.88E-01	3.76E-05	1.30E-02	2.37E-03	2.04E-01	1.97E-01	3.84E-01	1.18E+00	8.10E-02	1.85E+00	1.96E-01	4.40E-05	1.30E-02	2.37E-03	2.12E-01
3498	497863.09	3849377.25	2.54E-01	3.48E-05	1.35E-02	2.73E-03	2.71E-01	2.65E-01	3.56E-01	1.23E+00	9.32E-02	1.95E+00	2.65E-01	4.07E-05	1.35E-02	2.73E-03	2.81E-01
3499	498363.09	3849377.25	2.46E-01	3.65E-05	1.25E-02	2.73E-03	2.61E-01	2.56E-01	3.73E-01	1.14E+00	9.33E-02	1.87E+00	2.56E-01	4.27E-05	1.25E-02	2.73E-03	2.71E-01
3500	471363.09	3849877.25	1.02E+00	1.63E-04	6.29E-03	2.23E-03	1.03E+00	1.07E+00	1.67E+00	5.74E-01	7.61E-02	3.38E+00	1.06E+00	1.91E-04	6.29E-03	2.23E-03	1.07E+00
3501	471863.09	3849877.25	1.20E+00	2.48E-04	5.09E-03	2.24E-03	1.21E+00	1.26E+00	2.53E+00	4.64E-01	7.65E-02	4.33E+00	1.25E+00	2.90E-04	5.09E-03	2.24E-03	1.26E+00
3502	472363.09	3849877.25	1.30E+00	3.19E-04	4.72E-03	2.50E-03	1.30E+00	1.35E+00	3.26E+00	4.31E-01	8.56E-02	5.13E+00	1.35E+00	3.73E-04	4.72E-03	2.50E-03	1.36E+00
3503	472863.09	3849877.25	1.11E+00	3.95E-04	4.92E-03	2.80E-03	1.12E+00	1.16E+00	4.04E+00	4.48E-01	9.57E-02	5.74E+00	1.15E+00	4.62E-04	4.92E-03	2.80E-03	1.16E+00
3504	473363.09	3849877.25	1.09E+00	3.98E-04	5.32E-03	3.00E-03	1.10E+00	1.14E+00	4.07E+00	4.85E-01	1.03E-01	5.80E+00	1.14E+00	4.66E-04	5.32E-03	3.00E-03	1.15E+00
3505	473863.09	3849877.25	1.47E+00	3.59E-04	6.67E-03	3.31E-03	1.48E+00	1.53E+00	3.66E+00	6.09E-01	1.13E-01	5.92E+00	1.53E+00	4.20E-04	6.67E-03	3.31E-03	1.54E+00
3506	474363.09	3849877.25	1.67E+00	3.60E-04	7.74E-03	3.77E-03	1.69E+00	1.75E+00	3.68E+00	7.06E-01	1.29E-01	6.26E+00	1.74E+00	4.21E-04	7.74E-03	3.77E-03	1.75E+00
3507	474863.09	3849877.25	1.68E+00	3.97E-04	8.04E-03	4.17E-03	1.69E+00	1.76E+00	4.06E+00	7.33E-01	1.43E-01	6.69E+00	1.75E+00	4.65E-04	8.04E-03	4.17E-03	1.76E+00
3508	475363.09	3849877.25	1.78E+00	4.01E-04	7.71E-03	4.50E-03	1.80E+00	1.86E+00	4.09E+00	7.03E-01	1.54E-01	6.81E+00	1.86E+00	4.69E-04	7.71E-03	4.50E-03	1.87E+00
3509	475863.09	3849877.25	2.01E+00	3.99E-04	7.69E-03	4.92E-03	2.03E+00	2.10E+00	4.08E+00	7.02E-01	1.68E-01	7.05E+00	2.10E+00	4.67E-04	7.69E-03	4.92E-03	2.11E+00
3510	476363.09	3849877.25	1.82E+00	3.95E-04	7.47E-03	5.25E-03	1.83E+00	1.90E+00	4.03E+00	6.81E-01	1.80E-01	6.79E+00	1.89E+00	4.62E-04	7.47E-03	5.25E-03	1.91E+00
3511	476863.09	3849877.25	1.75E+00	4.92E-04	7.71E-03	5.21E-03	1.76E+00	1.82E+00	5.03E+00	7.03E-01	1.78E-01	7.73E+00	1.82E+00	5.76E-04	7.71E-03	5.21E-03	1.83E+00
3512	477363.09	3849877.25	1.78E+00	5.45E-04	8.46E-03	5.04E-03	1.79E+00	1.85E+00	5.57E+00	7.71E-01	1.72E-01	8.37E+00	1.85E+00	6.38E-04	8.46E-03	5.04E-03	1.86E+00
3513	477863.09	3849877.25	2.03E+00	5.14E-04	9.72E-03	4.49E-03	2.04E+00	2.12E+00	5.25E+00	8.86E-01	1.54E-01	8.41E+00	2.11E+00	6.01E-04	9.72E-03	4.49E-03	2.13E+00
3514	478363.09	3849877.25	1.87E+00	4.28E-04	1.07E-02	5.12E-03	1.88E+00	1.95E+00	4.37E+00	9.74E-01	1.75E-01	7.47E+00	1.94E+00	5.00E-04	1.07E-02	5.12E-03	1.96E+00
3515	478863.09	3849877.25	2.53E+00	3.86E-04	1.09E-02	6.22E-03	2.55E+00	2.64E+00	3.94E+00	9.93E-01	2.13E-01	7.79E+00	2.64E+00	4.51E-04	1.09E-02	6.22E-03	2.65E+00
3516	479363.09	3849877.25	3.31E+00	2.71E-04	1.02E-02	7.04E-03	3.33E+00	3.46E+00	2.77E+00	9.32E-01	2.41E-01	7.40E+00	3.45E+00	3.17E-04	1.02E-02	7.04E-03	3.47E+00
3517	479863.09	3849877.25	3.03E+00	2.23E-04	8.84E-03	8.69E-03	3.05E+00	3.16E+00	2.28E+00	8.07E-01	2.97E-01	6.54E+00	3.16E+00	2.61E-04	8.84E-03	8.69E-03	3.17E+00
3518	480363.09	3849877.25	2.79E+00	1.81E-04	9.38E-03	9.91E-03	2.81E+00	2.91E+00	1.85E+00	8.56E-01	3.39E-01	5.95E+00	2.90E+00	2.12E-04	9.38E-03	9.91E-03	2.92E+00
3519	480863.09	3849877.25	1.63E+00	1.34E-04	1.92E-02	6.41E-03	1.65E+00	1.70E+00	1.37E+00	1.75E+00	2.19E-01	5.04E+00	1.69E+00	1.57E-04	1.92E-02	6.41E-03	1.72E+00
3520	481363.09	3849877.25	1.47E+00	1.11E-04	2.35E-02	4.94E-03	1.50E+00	1.53E+00	1.13E+00	2.14E+00	1.69E-01	4.97E+00	1.53E+00	1.29E-04	2.35E-02	4.94E-03	1.56E+00
3521	481863.09	3849877.25	6.45E-01	6.69E-05	1.01E-02	4.28E-03	6.60E-01	6.73E-01	6.83E-01	9.18E-01	1.46E-01	2.42E+00	6.72E-01	7.83E-05	1.01E-02	4.28E-03	6.86E-01
3522	482363.09	3849877.25	3.82E-01	7.30E-05	8.91E-03	4.22E-03	3.95E-01	3.98E-01	7.45E-01	8.13E-01	1.44E-01	2.10E+00	3.97E-01	8.54E-05	8.91E-03	4.22E-03	4.11E-01
3523	482863.09	3849877.25	3.16E-01	6.86E-05	8.07E-03	3.81E-03	3.28E-01	3.29E-01	7.01E-01	7.36E-01	1.30E-01	1.90E+00	3.29E-01	8.03E-05	8.07E-03	3.81E-03	3.41E-01
3524	483363.09	3849877.25	3.34E-01	6.46E-05	1.05E-02	3.33E-03	3.48E-01	3.49E-01	6.60E-01	9.61E-01	1.14E-01	2.08E+00	3.48E-01	7.56E-05	1.05E-02	3.33E-03	3.62E-01
3525	483863.09	3849877.25	3.76E-01	6.32E-05	1.24E-02	3.46E-03	3.92E-01	3.93E-01	6.45E-01	1.13E+00	1.18E-01	2.28E+00	3.92E-01	7.39E-05	1.24E-02	3.46E-03	4.08E-01
3526	484363.09	3849877.25	4.76E-01	7.06E-05	1.23E-02	4.22E-03	4.92E-01	4.96E-01	7.21E-01	1.12E+00	1.44E-01	2.49E+00	4.95E-01	8.26E-05	1.23E-02	4.22E-03	5.12E-01
3527	484863.09	3849877.25	4.35E-01	6.76E-05	1.65E-02	4.67E-03	4.56E-01	4.54E-01	6.91E-01	1.51E+00	1.60E-01	2.81E+00	4.53E-01	7.91E-05	1.65E-02	4.67E-03	4.74E-01
3528	485363.09	3849877.25	4.58E-01	7.76E-05	2.07E-02	4.59E-03	4.84E-01	4.78E-01	7.93E-01	1.89E+00	1.57E-01	3.31E+00	4.77E-01	9.08E-05	2.07E-02	4.59E-03	5.03E-01
3529	485863.09	3849877.25	3.64E-01	6.75E-05	1.75E-02	4.02E-03	3.86E-01	3.80E-01	6.89E-01	1.60E+00	1.38E-01	2.81E+00	3.80E-01	7.89E-05	1.75E-02	4.02E-03	4.01E-01
3530	486363.09	3849877.25	2.82E-01	5.84E-05	1.61E-02	3.76E-03	3.02E-01	2.94E-01	5.97E-01	1.47E+00	1.28E-01	2.49E+00	2.94E-01	6.83E-05	1.61E-02	3.76E-03	3.14E-01
3531	486863.09	3849877.25	2.77E-01	7.54E-05	1.32E-02	3.92E-03	2.95E-01	2.89E-01	7.71E-01	1.20E+00	1.34E-01	2.40E+00	2.89E-01	8.83E-05	1.32E-02	3.92E-03	3.06E-01
3532	487363.09	3849877.25	2.46E-01	7.57E-05	1.16E-02	3.88E-03	2.61E-01	2.56E-01	7.73E-01	1.05E+00	1.33E-01	2.22E+00	2.56E-01	8.86E-05	1.16E-02	3.88E-03	2.71E-01
3533	487863.09	3849877.25	2.46E-01	5.24E-05	1.26E-02	3.94E-03	2.63E-01	2.57E-01	5.35E-01	1.15E+00	1.35E-01	2.07E+00	2.56E-01	6.12E-05	1.26E-02	3.94E-03	2.73E-01
3534	488363.09	3849877.25	2.54E-01	5.57E-05	1.90E-02	4.17E-03	2.77E-01	2.65E-01	5.69E-01	1.73E+00	1.43E-01	2.71E+00	2.65E-01	6.52E-05	1.90E-02	4.17E-03	2.88E-01

3535	488863.09	3849877.25	2.71E-01	6.20E-05	2.31E-02	4.15E-03	2.99E-01	2.83E-01	6.33E-01	2.11E+00	1.42E-01	3.17E+00	2.83E-01	7.25E-05	2.31E-02	4.15E-03	3.10E-01
3536	489363.09	3849877.25	3.29E-01	5.36E-05	2.28E-02	4.31E-03	3.56E-01	3.43E-01	5.48E-01	2.08E+00	1.47E-01	3.12E+00	3.43E-01	6.27E-05	2.28E-02	4.31E-03	3.70E-01
3537	489863.09	3849877.25	3.46E-01	5.09E-05	1.77E-02	3.90E-03	3.67E-01	3.61E-01	5.20E-01	1.61E+00	1.33E-01	2.63E+00	3.60E-01	5.96E-05	1.77E-02	3.90E-03	3.81E-01
3538	490363.09	3849877.25	2.95E-01	4.10E-05	1.66E-02	2.99E-03	3.15E-01	3.08E-01	4.19E-01	1.51E+00	1.02E-01	2.34E+00	3.07E-01	4.80E-05	1.66E-02	2.99E-03	3.27E-01
3539	490863.09	3849877.25	2.99E-01	3.67E-05	1.74E-02	2.97E-03	3.19E-01	3.12E-01	3.75E-01	1.58E+00	1.02E-01	2.37E+00	3.11E-01	4.29E-05	1.74E-02	2.97E-03	3.31E-01
3540	491363.09	3849877.25	2.89E-01	3.52E-05	1.57E-02	3.02E-03	3.08E-01	3.02E-01	3.59E-01	1.43E+00	1.03E-01	2.20E+00	3.01E-01	4.11E-05	1.57E-02	3.02E-03	3.20E-01
3541	491863.09	3849877.25	2.33E-01	2.81E-05	1.26E-02	2.73E-03	2.48E-01	2.43E-01	2.87E-01	1.15E+00	9.34E-02	1.77E+00	2.42E-01	3.28E-05	1.26E-02	2.73E-03	2.58E-01
3542	492363.09	3849877.25	2.02E-01	2.94E-05	1.03E-02	2.62E-03	2.15E-01	2.10E-01	3.00E-01	9.42E-01	8.96E-02	1.54E+00	2.10E-01	3.43E-05	1.03E-02	2.62E-03	2.23E-01
3543	492863.09	3849877.25	1.55E-01	3.61E-05	1.06E-02	2.45E-03	1.68E-01	1.62E-01	3.69E-01	9.63E-01	8.37E-02	1.58E+00	1.62E-01	4.22E-05	1.06E-02	2.45E-03	1.75E-01
3544	493363.09	3849877.25	1.29E-01	4.55E-05	1.12E-02	2.21E-03	1.43E-01	1.35E-01	4.65E-01	1.02E+00	7.54E-02	1.70E+00	1.35E-01	5.32E-05	1.12E-02	2.21E-03	1.48E-01
3545	493863.09	3849877.25	1.23E-01	4.92E-05	1.19E-02	2.30E-03	1.37E-01	1.28E-01	5.02E-01	1.08E+00	7.85E-02	1.79E+00	1.28E-01	5.75E-05	1.19E-02	2.30E-03	1.42E-01
3546	494363.09	3849877.25	1.53E-01	4.64E-05	1.53E-02	2.51E-03	1.71E-01	1.59E-01	4.74E-01	1.39E+00	8.58E-02	2.11E+00	1.59E-01	5.43E-05	1.53E-02	2.51E-03	1.77E-01
3547	494863.09	3849877.25	1.51E-01	4.74E-05	1.45E-02	2.55E-03	1.68E-01	1.58E-01	4.84E-01	1.32E+00	8.71E-02	2.05E+00	1.57E-01	5.54E-05	1.45E-02	2.55E-03	1.75E-01
3548	495363.09	3849877.25	1.34E-01	5.43E-05	1.24E-02	2.40E-03	1.49E-01	1.40E-01	5.55E-01	1.13E+00	8.20E-02	1.90E+00	1.40E-01	6.35E-05	1.24E-02	2.40E-03	1.55E-01
3549	495863.09	3849877.25	1.69E-01	5.69E-05	1.52E-02	2.69E-03	1.87E-01	1.76E-01	5.81E-01	1.39E+00	9.19E-02	2.24E+00	1.76E-01	6.66E-05	1.52E-02	2.69E-03	1.94E-01
3550	496363.09	3849877.25	1.99E-01	4.92E-05	1.46E-02	2.74E-03	2.16E-01	2.07E-01	5.02E-01	1.33E+00	9.38E-02	2.14E+00	2.07E-01	5.75E-05	1.46E-02	2.74E-03	2.24E-01
3551	496863.09	3849877.25	2.21E-01	4.11E-05	1.36E-02	2.75E-03	2.38E-01	2.31E-01	4.20E-01	1.24E+00	9.39E-02	1.98E+00	2.31E-01	4.81E-05	1.36E-02	2.75E-03	2.47E-01
3552	497363.09	3849877.25	2.51E-01	3.82E-05	1.42E-02	2.87E-03	2.68E-01	2.62E-01	3.91E-01	1.29E+00	9.82E-02	2.04E+00	2.62E-01	4.47E-05	1.42E-02	2.87E-03	2.79E-01
3553	497863.09	3849877.25	2.77E-01	4.04E-05	1.33E-02	2.80E-03	2.93E-01	2.89E-01	4.13E-01	1.21E+00	9.59E-02	2.01E+00	2.89E-01	4.72E-05	1.33E-02	2.80E-03	3.05E-01
3554	498363.09	3849877.25	2.56E-01	4.17E-05	1.31E-02	2.73E-03	2.71E-01	2.67E-01	4.26E-01	1.19E+00	9.34E-02	1.98E+00	2.66E-01	4.87E-05	1.31E-02	2.73E-03	2.82E-01
3555	471363.09	3850377.25	5.55E-01	6.30E-05	8.74E-03	2.52E-03	5.67E-01	5.79E-01	6.44E-01	7.97E-01	8.61E-02	2.11E+00	5.78E-01	7.37E-05	8.74E-03	2.52E-03	5.89E-01
3556	471863.09	3850377.25	9.06E-01	1.36E-04	8.65E-03	2.50E-03	9.17E-01	9.45E-01	1.39E+00	7.89E-01	8.56E-02	3.21E+00	9.44E-01	1.59E-04	8.65E-03	2.50E-03	9.55E-01
3557	472363.09	3850377.25	1.12E+00	1.97E-04	7.09E-03	2.34E-03	1.13E+00	1.17E+00	2.01E+00	6.47E-01	8.00E-02	3.91E+00	1.16E+00	2.30E-04	7.09E-03	2.34E-03	1.17E+00
3558	472863.09	3850377.25	1.32E+00	3.06E-04	5.73E-03	2.39E-03	1.33E+00	1.38E+00	3.13E+00	5.23E-01	8.17E-02	5.11E+00	1.37E+00	3.58E-04	5.73E-03	2.39E-03	1.38E+00
3559	473363.09	3850377.25	1.43E+00	3.54E-04	5.02E-03	2.65E-03	1.44E+00	1.49E+00	3.61E+00	4.58E-01	9.05E-02	5.65E+00	1.49E+00	4.14E-04	5.02E-03	2.65E-03	1.49E+00
3560	473863.09	3850377.25	1.27E+00	4.17E-04	5.23E-03	2.97E-03	1.28E+00	1.32E+00	4.26E+00	4.77E-01	1.01E-01	6.17E+00	1.32E+00	4.88E-04	5.23E-03	2.97E-03	1.33E+00
3561	474363.09	3850377.25	1.23E+00	4.29E-04	5.79E-03	3.28E-03	1.24E+00	1.28E+00	4.38E+00	5.28E-01	1.12E-01	6.30E+00	1.28E+00	5.02E-04	5.79E-03	3.28E-03	1.29E+00
3562	474863.09	3850377.25	1.60E+00	3.90E-04	7.29E-03	3.70E-03	1.62E+00	1.67E+00	3.99E+00	6.65E-01	1.26E-01	6.45E+00	1.67E+00	4.57E-04	7.29E-03	3.70E-03	1.68E+00
3563	475363.09	3850377.25	1.78E+00	4.31E-04	8.23E-03	4.24E-03	1.79E+00	1.86E+00	4.41E+00	7.50E-01	1.45E-01	7.16E+00	1.85E+00	5.05E-04	8.23E-03	4.24E-03	1.87E+00
3564	475863.09	3850377.25	1.78E+00	4.30E-04	8.24E-03	4.63E-03	1.80E+00	1.86E+00	4.40E+00	7.51E-01	1.58E-01	7.17E+00	1.86E+00	5.04E-04	8.24E-03	4.63E-03	1.87E+00
3565	476363.09	3850377.25	2.07E+00	4.47E-04	8.15E-03	5.03E-03	2.09E+00	2.16E+00	4.56E+00	7.43E-01	1.72E-01	7.64E+00	2.16E+00	5.23E-04	8.15E-03	5.03E-03	2.17E+00
3566	476863.09	3850377.25	2.16E+00	4.31E-04	8.04E-03	5.50E-03	2.17E+00	2.25E+00	4.41E+00	7.33E-01	1.88E-01	7.58E+00	2.25E+00	5.05E-04	8.04E-03	5.50E-03	2.26E+00
3567	477363.09	3850377.25	1.78E+00	5.32E-04	7.97E-03	5.55E-03	1.79E+00	1.86E+00	5.44E+00	7.26E-01	1.90E-01	8.21E+00	1.85E+00	6.23E-04	7.97E-03	5.55E-03	1.87E+00
3568	477863.09	3850377.25	1.91E+00	5.85E-04	8.74E-03	5.36E-03	1.93E+00	1.99E+00	5.97E+00	7.97E-01	1.83E-01	8.95E+00	1.99E+00	6.84E-04	8.74E-03	5.36E-03	2.00E+00
3569	478363.09	3850377.25	2.27E+00	5.53E-04	9.91E-03	4.78E-03	2.28E+00	2.37E+00	5.64E+00	9.04E-01	1.64E-01	9.08E+00	2.36E+00	6.46E-04	9.91E-03	4.78E-03	2.38E+00
3570	478863.09	3850377.25	1.87E+00	5.29E-04	1.11E-02	4.83E-03	1.89E+00	1.96E+00	5.40E+00	1.01E+00	1.65E-01	8.54E+00	1.95E+00	6.19E-04	1.11E-02	4.83E-03	1.97E+00
3571	479363.09	3850377.25	2.42E+00	4.54E-04	1.15E-02	5.51E-03	2.44E+00	2.53E+00	4.64E+00	1.05E+00	1.89E-01	8.41E+00	2.52E+00	5.32E-04	1.15E-02	5.51E-03	2.54E+00
3572	479863.09	3850377.25	3.41E+00	3.08E-04	1.09E-02	6.55E-03	3.42E+00	3.55E+00	3.15E+00	9.92E-01	2.24E-01	7.92E+00	3.55E+00	3.61E-04	1.09E-02	6.55E-03	3.56E+00
3573	480363.09	3850377.25	3.32E+00	2.31E-04	9.42E-03	9.51E-03	3.34E+00	3.47E+00	2.36E+00	8.59E-01	3.25E-01	7.01E+00	3.46E+00	2.70E-04	9.42E-03	9.51E-03	3.48E+00
3574	480863.09	3850377.25	3.24E+00	2.35E-04	9.69E-03	9.27E-03	3.26E+00	3.38E+00	2.40E+00	8.84E-01	3.17E-01	6.98E+00	3.37E+00	2.75E-04	9.69E-03	9.27E-03	3.39E+00
3575	481363.09	3850377.25	1.70E+00	1.27E-04	2.18E-02	5.73E-03	1.73E+00	1.77E+00	1.30E+00	1.99E+00	1.96E-01	5.26E+00	1.77E+00	1.49E-04	2.18E-02	5.73E-03	1.80E+00
3576	481863.09	3850377.25	1.47E+00	1.05E-04	2.87E-02	7.22E-03	1.51E+00	1.53E+00	1.07E+00	2.62E+00	2.47E-01	5.47E+00	1.53E+00	1.23E-04	2.87E-02	7.22E-03	1.57E+00
3577	482363.09	3850377.25	1.02E+00	8.72E-05	1.47E-02	7.58E-03	1.04E+00	1.06E+00	8.91E-01	1.34E+00	2.59E-01	3.55E+00	1.06E+00	1.02E-04	1.47E-02	7.58E-03	1.08E+00
3578	482863.09	3850377.25	4.83E-01	7.69E-05	9.47E-03	4.03E-03	4.97E-01	5.04E-01	7.85E-01	8.64E-01	1.38E-01	2.29E+00	5.03E-01	8.99E-05	9.47E-03	4.03E-03	5.17E-01
3579	483363.09	3850377.25	3.54E-01	6.75E-05	9.57E-03	3.54E-03	3.67E-01	3.69E-01	6.90E-01	8.73E-01	1.21E-01	2.05E+00	3.68E-01	7.90E-05	9.57E-03	3.54E-03	3.82E-01
3580	483863.09	3850377.25	4.63E-01	6.82E-05	1.22E-02	3.42E-03	4.79E-01	4.83E-01	6.97E-01	1.11E+00	1.17E-01	2.41E+00	4.82E-01	7.98E-05	1.22E-02	3.42E-03	4.98E-01
3581	484363.09	3850377.25	6.10E-01	7.10E-05	1.42E-02	4.31E-03	6.29E-01	6.37E-01	7.26E-01	1.29E+00	1.47E-01	2.80E+00	6.35E-01	8.31E-05	1.42E-02	4.31E-03	6.54E-01
3582	484863.09	3850377.25	4.94E-01	6.84E-05	1.56E-02	4.72E-03	5.15E-01	5.16E-01	6.98E-01	1.42E+00	1.61E-01	2.80E+00	5.15E-01	8.00E-05	1.56E-02	4.72E-03	5.35E-01
3583	485363.09	3850377.25	5.02E-01	7.94E-05	2.08E-02	4.90E-03	5.28E-01	5.24E-01	8.11E-01	1.90E+00	1.67E-01	3.40E+00	5.23E-01	9.29E-05	2.08E-02	4.90E-03	5.49E-01
3584	485863.09	3850377.25	4.37E-01	7.14E-05	2.34E-02	4.77E-03	4.65E-01	4.56E-01	7.29E-01	2.14E+00	1.63E-01	3.49E+00	4.55E-01	8.35E-05	2.34E-02	4.77E-03	4.84E-01
3585	486363.09	3850377.25	3.54E-01	6.00E-05	2.56E-02	4.27E-03	3.84E-01	3.69E-01	6.13E-01	2.33E+00	1.46E-01	3.46E+00	3.68E-01	7.01E-05	2.56E-02	4.27E-03	3.98E-01
3586	486863.09	3850377.25	3.46E-01	7.77E-05	2.10E-02	3.98E-03	3.71E-01	3.61E-01	7.94E-01	1.91E+00	1.36E-01	3.20E+00	3.60E-01	9.09E-05	2.10E-02	3.98E-03	3.85E-01
3587	487363.09	3850377.25	2.66E-01	7.87E-05	1.27E-02	3.93E-03	2.82E-01	2.77E-01	8.04E-01	1.16E+00	1.35E-01	2.38E+00	2.77E-01	9.21E-05	1.27E-02	3.93E-03	2.93E-01
3588	487863.09	3850377.25	2.68E-01	5.57E-05	1.31E-02	4.24E-03	2.86E-01	2.80E-01	5.69E-01	1.19E+00	1.45E-01	2.19E+00	2.79E-01	6.51E-05	1.31E-02	4.24E-03	2.97E-01
3589	488363.09	3850377.25	2.68E-01	6.06E-05	2.01E-02	4.40E-03	2.93E-01	2.80E-01	6.19E-01	1.83E+00	1.51E-01	2.88E+00	2.79E-01	7.09E-05	2.01E-02	4.40E-03	3.04E-01
3590	488863.09	3850377.25	3.37E-01	6.34E-05	2.43E-02	4.49E-03	3.66E-01	3.52E-01	6.47E-01	2.22E+00	1.53E-01	3.37E+00	3.51E-01	7.41E-05	2.43E-02	4.49E-03	3.80E-01
3591	489363.09	3850377.25	3.47E-01	5.27E-05	2.32E-02	4.34E-03	3.75E-01	3.62E-01	5.38E-01	2.11E+00	1.48E-01	3.16E+00	3.62E-01	6.16E-05	2.32E-02	4.34E-03	3.89E-01
3592	489863.09	3850377.25	3.64E-01	4.97E-05	1.85E-02	3.99E-03	3.87E-01	3.80E-01	5.08E-01	1.69E+00	1.36E-01	2.71E+00	3.79E-01	5.82E-05	1.85E-02	3.99E-03	4.02E-01
3593	490363.09	3850377.25	3.67E-01	4.74E-05	1.78E-02	3.70E-03	3.88E-01	3.82E-01	4.84E-01	1.62E+00	1.27E-01	2.62E+00	3.82E-01	5.55E-05	1.78E-02	3.70E-03	4.03E-01
3594	490863.09	3850377.25	3.45E-01	4.07E-05	1.81E-02	3.52E-03	3.66E-01	3.60E-01	4.16E-01	1.65E+00	1.20E-01	2.55E+00	3.59E-01	4.76E-05	1.81E-02	3.52E-03	3.81E-01
3595	491363.09	3850377.25	2.83E-01	3.29E-05	1.69E-02	3.18E-03	3.03E-01	2.95E-01	3.37E-01	1.54E+00	1.09E-01	2.28E+00	2.94E-01	3.85E-05	1.69E-02	3.18E-03	3.15E-01

3596	491863.09	3850377.25	2.37E-01	2.99E-05	1.43E-02	2.90E-03	2.54E-01	2.47E-01	3.05E-01	1.31E+00	9.91E-02	1.96E+00	2.47E-01	3.49E-05	1.43E-02	2.90E-03	2.64E-01
3597	492363.09	3850377.25	1.72E-01	3.55E-05	1.10E-02	2.74E-03	1.86E-01	1.80E-01	3.63E-01	1.01E+00	9.39E-02	1.64E+00	1.79E-01	4.16E-05	1.10E-02	2.74E-03	1.93E-01
3598	492863.09	3850377.25	1.59E-01	4.65E-05	1.22E-02	2.81E-03	1.74E-01	1.66E-01	4.75E-01	1.11E+00	9.61E-02	1.85E+00	1.65E-01	5.44E-05	1.22E-02	2.81E-03	1.80E-01
3599	493363.09	3850377.25	1.56E-01	4.95E-05	1.35E-02	2.46E-03	1.72E-01	1.63E-01	5.06E-01	1.23E+00	8.42E-02	1.99E+00	1.63E-01	5.79E-05	1.35E-02	2.46E-03	1.79E-01
3600	493863.09	3850377.25	1.54E-01	4.76E-05	1.59E-02	2.61E-03	1.73E-01	1.61E-01	4.87E-01	1.45E+00	8.92E-02	2.18E+00	1.60E-01	5.57E-05	1.59E-02	2.61E-03	1.79E-01
3601	494363.09	3850377.25	1.51E-01	4.54E-05	1.56E-02	2.63E-03	1.69E-01	1.57E-01	4.64E-01	1.42E+00	9.01E-02	2.14E+00	1.57E-01	5.32E-05	1.56E-02	2.63E-03	1.75E-01
3602	494863.09	3850377.25	1.83E-01	5.29E-05	1.68E-02	2.96E-03	2.03E-01	1.91E-01	5.41E-01	1.53E+00	1.01E-01	2.36E+00	1.91E-01	6.19E-05	1.68E-02	2.96E-03	2.11E-01
3603	495363.09	3850377.25	2.24E-01	5.87E-05	1.61E-02	3.38E-03	2.43E-01	2.33E-01	6.00E-01	1.46E+00	1.16E-01	2.41E+00	2.33E-01	6.87E-05	1.61E-02	3.38E-03	2.52E-01
3604	495863.09	3850377.25	2.30E-01	5.48E-05	1.56E-02	3.48E-03	2.50E-01	2.40E-01	5.59E-01	1.42E+00	1.19E-01	2.34E+00	2.40E-01	6.41E-05	1.56E-02	3.48E-03	2.59E-01
3605	496363.09	3850377.25	2.53E-01	4.71E-05	1.61E-02	3.31E-03	2.72E-01	2.64E-01	4.81E-01	1.47E+00	1.13E-01	2.32E+00	2.63E-01	5.51E-05	1.61E-02	3.31E-03	2.83E-01
3606	496863.09	3850377.25	2.82E-01	4.22E-05	1.48E-02	2.96E-03	2.99E-01	2.94E-01	4.31E-01	1.35E+00	1.01E-01	2.18E+00	2.93E-01	4.93E-05	1.48E-02	2.96E-03	3.11E-01
3607	497363.09	3850377.25	2.81E-01	4.24E-05	1.41E-02	2.87E-03	2.98E-01	2.94E-01	4.33E-01	1.29E+00	9.82E-02	2.11E+00	2.93E-01	4.96E-05	1.41E-02	2.87E-03	3.10E-01
3608	497863.09	3850377.25	2.74E-01	4.51E-05	1.38E-02	2.77E-03	2.90E-01	2.85E-01	4.61E-01	1.25E+00	9.47E-02	2.10E+00	2.85E-01	5.28E-05	1.38E-02	2.77E-03	3.01E-01
3609	498363.09	3850377.25	2.62E-01	4.50E-05	1.42E-02	2.81E-03	2.79E-01	2.73E-01	4.60E-01	1.29E+00	9.60E-02	2.12E+00	2.73E-01	5.27E-05	1.42E-02	2.81E-03	2.90E-01
3610	471363.09	3850877.25	6.59E-01	7.64E-05	1.12E-02	3.24E-03	6.74E-01	6.88E-01	7.81E-01	1.02E+00	1.11E-01	2.60E+00	6.86E-01	8.94E-05	1.12E-02	3.24E-03	7.01E-01
3611	471863.09	3850877.25	7.81E-01	9.51E-05	1.17E-02	3.28E-03	7.96E-01	8.15E-01	9.71E-01	1.07E+00	1.12E-01	2.97E+00	8.13E-01	1.11E-04	1.17E-02	3.28E-03	8.28E-01
3612	472363.09	3850877.25	9.41E-01	1.48E-04	1.14E-02	3.19E-03	9.56E-01	9.82E-01	1.51E+00	1.04E+00	1.09E-01	3.64E+00	9.80E-01	1.73E-04	1.14E-02	3.19E-03	9.94E-01
3613	472863.09	3850877.25	1.11E+00	2.37E-04	1.01E-02	2.87E-03	1.12E+00	1.15E+00	2.42E+00	9.23E-01	9.82E-02	4.60E+00	1.15E+00	2.77E-04	1.01E-02	2.87E-03	1.17E+00
3614	473363.09	3850877.25	1.22E+00	2.27E-04	7.94E-03	2.47E-03	1.23E+00	1.28E+00	2.32E+00	7.24E-01	8.44E-02	4.41E+00	1.27E+00	2.66E-04	7.94E-03	2.47E-03	1.29E+00
3615	473863.09	3850877.25	1.40E+00	3.13E-04	6.17E-03	2.54E-03	1.41E+00	1.47E+00	3.20E+00	5.63E-01	8.69E-02	5.32E+00	1.46E+00	3.67E-04	6.17E-03	2.54E-03	1.47E+00
3616	474363.09	3850877.25	1.54E+00	4.38E-04	5.37E-03	2.86E-03	1.55E+00	1.61E+00	4.47E+00	4.89E-01	9.77E-02	6.67E+00	1.60E+00	5.12E-04	5.37E-03	2.86E-03	1.61E+00
3617	474863.09	3850877.25	1.42E+00	4.72E-04	5.59E-03	3.19E-03	1.43E+00	1.49E+00	4.82E+00	5.10E-01	1.09E-01	6.93E+00	1.48E+00	5.52E-04	5.59E-03	3.19E-03	1.49E+00
3618	475363.09	3850877.25	1.37E+00	4.40E-04	6.42E-03	3.63E-03	1.38E+00	1.43E+00	4.49E+00	5.86E-01	1.24E-01	6.63E+00	1.42E+00	5.14E-04	6.42E-03	3.63E-03	1.43E+00
3619	475863.09	3850877.25	1.74E+00	4.37E-04	7.93E-03	4.24E-03	1.76E+00	1.82E+00	4.47E+00	7.23E-01	1.45E-01	7.15E+00	1.82E+00	5.12E-04	7.93E-03	4.24E-03	1.83E+00
3620	476363.09	3850877.25	1.78E+00	4.67E-04	8.65E-03	4.76E-03	1.79E+00	1.85E+00	4.77E+00	7.89E-01	1.63E-01	7.58E+00	1.85E+00	5.47E-04	8.65E-03	4.76E-03	1.86E+00
3621	476863.09	3850877.25	1.83E+00	4.89E-04	8.48E-03	5.23E-03	1.84E+00	1.91E+00	5.00E+00	7.73E-01	1.79E-01	7.86E+00	1.90E+00	5.73E-04	8.48E-03	5.23E-03	1.92E+00
3622	477363.09	3850877.25	2.19E+00	4.78E-04	8.62E-03	5.75E-03	2.21E+00	2.29E+00	4.88E+00	7.86E-01	1.97E-01	8.15E+00	2.29E+00	5.59E-04	8.62E-03	5.75E-03	2.30E+00
3623	477863.09	3850877.25	2.12E+00	5.75E-04	8.51E-03	5.92E-03	2.14E+00	2.21E+00	5.88E+00	7.76E-01	2.02E-01	9.07E+00	2.21E+00	6.73E-04	8.51E-03	5.92E-03	2.22E+00
3624	478363.09	3850877.25	2.10E+00	6.53E-04	9.04E-03	5.71E-03	2.12E+00	2.19E+00	6.67E+00	8.24E-01	1.95E-01	9.89E+00	2.19E+00	7.64E-04	9.04E-03	5.71E-03	2.21E+00
3625	478863.09	3850877.25	2.17E+00	6.93E-04	1.01E-02	5.11E-03	2.19E+00	2.26E+00	7.08E+00	9.18E-01	1.75E-01	1.04E+01	2.26E+00	8.11E-04	1.01E-02	5.11E-03	2.28E+00
3626	479363.09	3850877.25	2.04E+00	6.04E-04	1.15E-02	4.70E-03	2.05E+00	2.13E+00	6.17E+00	1.05E+00	1.61E-01	9.51E+00	2.12E+00	7.06E-04	1.15E-02	4.70E-03	2.14E+00
3627	479863.09	3850877.25	2.30E+00	4.70E-04	1.22E-02	5.59E-03	2.32E+00	2.40E+00	4.80E+00	1.11E+00	1.91E-01	8.50E+00	2.40E+00	5.49E-04	1.22E-02	5.59E-03	2.41E+00
3628	480363.09	3850877.25	2.95E+00	3.72E-04	1.16E-02	5.55E-03	2.96E+00	3.07E+00	3.80E+00	1.06E+00	1.90E-01	8.12E+00	3.07E+00	4.35E-04	1.16E-02	5.55E-03	3.09E+00
3629	480863.09	3850877.25	3.53E+00	3.13E-04	1.01E-02	7.13E-03	3.55E+00	3.69E+00	3.20E+00	9.18E-01	2.44E-01	8.05E+00	3.68E+00	3.66E-04	1.01E-02	7.13E-03	3.70E+00
3630	481363.09	3850877.25	3.38E+00	2.74E-04	9.83E-03	7.72E-03	3.39E+00	3.52E+00	2.80E+00	8.96E-01	2.64E-01	7.48E+00	3.52E+00	3.21E-04	9.83E-03	7.72E-03	3.53E+00
3631	481863.09	3850877.25	2.82E+00	1.82E-04	2.24E-02	7.19E-03	2.85E+00	2.94E+00	1.86E+00	2.04E+00	2.46E-01	7.09E+00	2.94E+00	2.13E-04	2.24E-02	7.19E-03	2.97E+00
3632	482363.09	3850877.25	1.68E+00	1.17E-04	2.63E-02	7.90E-03	1.71E+00	1.75E+00	1.20E+00	2.39E+00	2.70E-01	5.61E+00	1.75E+00	1.37E-04	2.63E-02	7.90E-03	1.78E+00
3633	482863.09	3850877.25	1.04E+00	9.72E-05	1.44E-02	8.66E-03	1.07E+00	1.09E+00	9.93E-01	1.31E+00	2.96E-01	3.69E+00	1.09E+00	1.14E-04	1.44E-02	8.66E-03	1.11E+00
3634	483363.09	3850877.25	6.50E-01	7.53E-05	1.48E-02	4.95E-03	6.70E-01	6.78E-01	7.69E-01	1.35E+00	1.69E-01	2.97E+00	6.77E-01	8.80E-05	1.48E-02	4.95E-03	6.97E-01
3635	483863.09	3850877.25	6.28E-01	6.74E-05	1.93E-02	3.53E-03	6.51E-01	6.56E-01	6.88E-01	1.76E+00	1.21E-01	3.22E+00	6.54E-01	7.88E-05	1.93E-02	3.53E-03	6.77E-01
3636	484363.09	3850877.25	7.79E-01	8.11E-05	2.23E-02	4.46E-03	8.06E-01	8.13E-01	8.29E-01	2.04E+00	1.52E-01	3.83E+00	8.11E-01	9.49E-05	2.23E-02	4.46E-03	8.38E-01
3637	484863.09	3850877.25	5.90E-01	7.91E-05	1.49E-02	5.51E-03	6.10E-01	6.15E-01	8.08E-01	1.36E+00	1.89E-01	2.97E+00	6.14E-01	9.25E-05	1.49E-02	5.51E-03	6.34E-01
3638	485363.09	3850877.25	5.59E-01	8.91E-05	1.99E-02	5.51E-03	5.84E-01	5.83E-01	9.11E-01	1.82E+00	1.88E-01	3.50E+00	5.82E-01	1.04E-04	1.99E-02	5.51E-03	6.07E-01
3639	485863.09	3850877.25	4.60E-01	7.66E-05	2.79E-02	5.01E-03	4.93E-01	4.80E-01	7.83E-01	2.54E+00	1.71E-01	3.98E+00	4.79E-01	8.97E-05	2.79E-02	5.01E-03	5.12E-01
3640	486363.09	3850877.25	3.73E-01	6.40E-05	2.94E-02	4.74E-03	4.07E-01	3.89E-01	6.54E-01	2.68E+00	1.62E-01	3.89E+00	3.89E-01	7.48E-05	2.94E-02	4.74E-03	4.23E-01
3641	486863.09	3850877.25	3.59E-01	7.84E-05	2.83E-02	4.45E-03	3.91E-01	3.74E-01	8.01E-01	2.58E+00	1.52E-01	3.91E+00	3.73E-01	9.17E-05	2.83E-02	4.45E-03	4.06E-01
3642	487363.09	3850877.25	2.90E-01	8.18E-05	1.57E-02	4.10E-03	3.10E-01	3.03E-01	8.35E-01	1.43E+00	1.40E-01	2.71E+00	3.02E-01	9.57E-05	1.57E-02	4.10E-03	3.22E-01
3643	487863.09	3850877.25	2.81E-01	6.51E-05	1.36E-02	4.32E-03	2.99E-01	2.93E-01	6.65E-01	1.24E+00	1.48E-01	2.35E+00	2.93E-01	7.61E-05	1.36E-02	4.32E-03	3.11E-01
3644	488363.09	3850877.25	3.48E-01	7.29E-05	2.13E-02	4.68E-03	3.74E-01	3.63E-01	7.45E-01	1.94E+00	1.60E-01	3.21E+00	3.62E-01	8.53E-05	2.13E-02	4.68E-03	3.88E-01
3645	488863.09	3850877.25	3.58E-01	6.24E-05	2.55E-02	4.98E-03	3.89E-01	3.74E-01	6.38E-01	2.33E+00	1.70E-01	3.51E+00	3.73E-01	7.31E-05	2.55E-02	4.98E-03	4.03E-01
3646	489363.09	3850877.25	3.67E-01	5.02E-05	2.32E-02	4.51E-03	3.95E-01	3.83E-01	5.13E-01	2.11E+00	1.54E-01	3.16E+00	3.82E-01	5.87E-05	2.32E-02	4.51E-03	4.10E-01
3647	489863.09	3850877.25	3.70E-01	4.83E-05	1.91E-02	4.21E-03	3.94E-01	3.86E-01	4.93E-01	1.74E+00	1.44E-01	2.76E+00	3.86E-01	5.65E-05	1.91E-02	4.21E-03	4.09E-01
3648	490363.09	3850877.25	3.63E-01	4.31E-05	2.07E-02	4.13E-03	3.88E-01	3.78E-01	4.40E-01	1.89E+00	1.41E-01	2.85E+00	3.78E-01	5.04E-05	2.07E-02	4.13E-03	4.03E-01
3649	490863.09	3850877.25	3.45E-01	4.19E-05	1.89E-02	3.70E-03	3.68E-01	3.60E-01	4.28E-01	1.73E+00	1.27E-01	2.64E+00	3.59E-01	4.90E-05	1.89E-02	3.70E-03	3.82E-01
3650	491363.09	3850877.25	2.92E-01	3.84E-05	1.79E-02	3.46E-03	3.14E-01	3.05E-01	3.93E-01	1.63E+00	1.18E-01	2.44E+00	3.05E-01	4.50E-05	1.79E-02	3.46E-03	3.26E-01
3651	491863.09	3850877.25	2.23E-01	3.78E-05	1.29E-02	3.29E-03	2.39E-01	2.33E-01	3.86E-01	1.17E+00	1.13E-01	1.91E+00	2.32E-01	4.42E-05	1.29E-02	3.29E-03	2.49E-01
3652	492363.09	3850877.25	1.84E-01	4.48E-05	1.27E-02	2.75E-03	2.00E-01	1.92E-01	4.57E-01	1.16E+00	9.41E-02	1.90E+00	1.92E-01	5.24E-05	1.27E-02	2.75E-03	2.08E-01
3653	492863.09	3850877.25	1.74E-01	5.16E-05	1.39E-02	2.75E-03	1.91E-01	1.82E-01	5.27E-01	1.27E+00	9.39E-02	2.07E+00	1.82E-01	6.04E-05	1.39E-02	2.75E-03	1.98E-01
3654	493363.09	3850877.25	1.68E-01	5.02E-05	1.71E-02	2.70E-03	1.88E-01	1.75E-01	5.13E-01	1.56E+00	9.25E-02	2.34E+00	1.75E-01	5.88E-05	1.71E-02	2.70E-03	1.94E-01
3655	493863.09	3850877.25	1.95E-01	4.55E-05	1.87E-02	2.99E-03	2.17E-01	2.04E-01	4.65E-01	1.71E+00	1.02E-01	2.48E+00	2.03E-01	5.32E-05	1.87E-02	2.99E-03	2.25E-01
3656	494363.09	3850877.25	2.27E-01	5.11E-05	1.77E-02	3.33E-03	2.48E-01	2.37E-01	5.22E-01	1.61E+00	1.14E-01	2.48E+00	2.37E-01	5.97E-05	1.77E-02	3.33E-03	2.58E-01

3657	494863.09	3850877.25	2.68E-01	6.12E-05	1.69E-02	3.61E-03	2.89E-01	2.80E-01	6.25E-01	1.54E+00	1.24E-01	2.57E+00	2.80E-01	7.16E-05	1.69E-02	3.61E-03	3.00E-01
3658	495363.09	3850877.25	2.83E-01	6.13E-05	1.88E-02	3.66E-03	3.06E-01	2.96E-01	6.27E-01	1.71E+00	1.25E-01	2.76E+00	2.95E-01	7.18E-05	1.88E-02	3.66E-03	3.18E-01
3659	495863.09	3850877.25	2.83E-01	5.29E-05	1.69E-02	3.42E-03	3.04E-01	2.96E-01	5.40E-01	1.54E+00	1.17E-01	2.49E+00	2.95E-01	6.19E-05	1.69E-02	3.42E-03	3.15E-01
3660	496363.09	3850877.25	2.84E-01	4.55E-05	1.59E-02	3.06E-03	3.03E-01	2.96E-01	4.65E-01	1.45E+00	1.05E-01	2.32E+00	2.96E-01	5.32E-05	1.59E-02	3.06E-03	3.15E-01
3661	496863.09	3850877.25	3.13E-01	4.49E-05	1.50E-02	2.95E-03	3.31E-01	3.27E-01	4.59E-01	1.37E+00	1.01E-01	2.26E+00	3.26E-01	5.25E-05	1.50E-02	2.95E-03	3.44E-01
3662	497363.09	3850877.25	3.03E-01	4.56E-05	1.44E-02	2.96E-03	3.21E-01	3.16E-01	4.65E-01	1.32E+00	1.01E-01	2.20E+00	3.16E-01	5.33E-05	1.44E-02	2.96E-03	3.33E-01
3663	497863.09	3850877.25	2.78E-01	4.32E-05	1.50E-02	3.11E-03	2.96E-01	2.90E-01	4.42E-01	1.37E+00	1.06E-01	2.21E+00	2.90E-01	5.06E-05	1.50E-02	3.11E-03	3.08E-01
3664	498363.09	3850877.25	2.52E-01	3.96E-05	1.47E-02	2.92E-03	2.70E-01	2.63E-01	4.05E-01	1.34E+00	1.00E-01	2.11E+00	2.63E-01	4.64E-05	1.47E-02	2.92E-03	2.80E-01
3665	471363.09	3851377.25	7.49E-01	8.14E-05	1.50E-02	3.64E-03	7.67E-01	7.81E-01	8.31E-01	1.37E+00	1.25E-01	3.10E+00	7.79E-01	9.52E-05	1.50E-02	3.64E-03	7.98E-01
3666	471863.09	3851377.25	1.00E+00	1.24E-04	1.42E-02	3.75E-03	1.02E+00	1.04E+00	1.27E+00	1.30E+00	1.28E-01	3.74E+00	1.04E+00	1.45E-04	1.42E-02	3.75E-03	1.06E+00
3667	472363.09	3851377.25	9.57E-01	1.18E-04	1.27E-02	3.77E-03	9.74E-01	9.99E-01	1.21E+00	1.16E+00	1.29E-01	3.49E+00	9.97E-01	1.38E-04	1.27E-02	3.77E-03	1.01E+00
3668	472863.09	3851377.25	9.60E-01	1.24E-04	1.31E-02	3.72E-03	9.77E-01	1.00E+00	1.27E+00	1.20E+00	1.27E-01	3.59E+00	1.00E+00	1.45E-04	1.31E-02	3.72E-03	1.02E+00
3669	473363.09	3851377.25	8.69E-01	1.11E-04	1.20E-02	3.25E-03	8.84E-01	9.06E-01	1.13E+00	1.10E+00	1.11E-01	3.25E+00	9.05E-01	1.30E-04	1.20E-02	3.25E-03	9.20E-01
3670	473863.09	3851377.25	9.95E-01	1.53E-04	1.06E-02	2.87E-03	1.01E+00	1.04E+00	1.56E+00	9.66E-01	9.83E-02	3.66E+00	1.04E+00	1.79E-04	1.06E-02	2.87E-03	1.05E+00
3671	474363.09	3851377.25	1.31E+00	2.57E-04	8.86E-03	2.64E-03	1.32E+00	1.36E+00	2.63E+00	8.08E-01	9.04E-02	4.89E+00	1.36E+00	3.01E-04	8.86E-03	2.64E-03	1.37E+00
3672	474863.09	3851377.25	1.51E+00	3.64E-04	6.84E-03	2.73E-03	1.52E+00	1.58E+00	3.72E+00	6.24E-01	9.32E-02	6.02E+00	1.58E+00	4.26E-04	6.84E-03	2.73E-03	1.59E+00
3673	475363.09	3851377.25	1.69E+00	4.78E-04	5.76E-03	3.07E-03	1.70E+00	1.77E+00	4.88E+00	5.25E-01	1.05E-01	7.28E+00	1.76E+00	5.59E-04	5.76E-03	3.07E-03	1.77E+00
3674	475863.09	3851377.25	1.64E+00	4.84E-04	6.00E-03	3.54E-03	1.65E+00	1.71E+00	4.95E+00	5.47E-01	1.21E-01	7.32E+00	1.70E+00	5.66E-04	6.00E-03	3.54E-03	1.71E+00
3675	476363.09	3851377.25	1.56E+00	4.53E-04	7.09E-03	4.15E-03	1.57E+00	1.63E+00	4.63E+00	6.47E-01	1.42E-01	7.05E+00	1.63E+00	5.30E-04	7.09E-03	4.15E-03	1.64E+00
3676	476863.09	3851377.25	2.12E+00	4.64E-04	8.47E-03	4.81E-03	2.13E+00	2.21E+00	4.74E+00	7.73E-01	1.65E-01	7.89E+00	2.21E+00	5.43E-04	8.47E-03	4.81E-03	2.22E+00
3677	477363.09	3851377.25	2.04E+00	5.25E-04	9.01E-03	5.41E-03	2.05E+00	2.13E+00	5.36E+00	8.22E-01	1.85E-01	8.50E+00	2.12E+00	6.14E-04	9.01E-03	5.41E-03	2.14E+00
3678	477863.09	3851377.25	2.26E+00	5.23E-04	9.09E-03	5.98E-03	2.27E+00	2.35E+00	5.34E+00	8.29E-01	2.05E-01	8.73E+00	2.35E+00	6.12E-04	9.09E-03	5.98E-03	2.36E+00
3679	478363.09	3851377.25	2.52E+00	6.02E-04	9.10E-03	6.31E-03	2.54E+00	2.63E+00	6.15E+00	8.30E-01	2.16E-01	9.83E+00	2.62E+00	7.05E-04	9.10E-03	6.31E-03	2.64E+00
3680	478863.09	3851377.25	2.31E+00	7.08E-04	9.33E-03	6.11E-03	2.33E+00	2.41E+00	7.24E+00	8.51E-01	2.09E-01	1.07E+01	2.41E+00	8.29E-04	9.33E-03	6.11E-03	2.43E+00
3681	479363.09	3851377.25	2.40E+00	7.50E-04	1.03E-02	5.48E-03	2.42E+00	2.50E+00	7.67E+00	9.44E-01	1.87E-01	1.13E+01	2.50E+00	8.78E-04	1.03E-02	5.48E-03	2.51E+00
3682	479863.09	3851377.25	2.48E+00	6.57E-04	1.20E-02	4.90E-03	2.50E+00	2.59E+00	6.71E+00	1.09E+00	1.68E-01	1.06E+01	2.58E+00	7.68E-04	1.20E-02	4.90E-03	2.60E+00
3683	480363.09	3851377.25	2.63E+00	5.33E-04	1.29E-02	4.95E-03	2.65E+00	2.74E+00	5.44E+00	1.17E+00	1.69E-01	9.53E+00	2.74E+00	6.23E-04	1.29E-02	4.95E-03	2.75E+00
3684	480863.09	3851377.25	2.97E+00	4.20E-04	1.25E-02	5.21E-03	2.99E+00	3.10E+00	4.29E+00	1.14E+00	1.78E-01	8.70E+00	3.09E+00	4.91E-04	1.25E-02	5.21E-03	3.11E+00
3685	481363.09	3851377.25	3.64E+00	3.53E-04	1.08E-02	6.25E-03	3.65E+00	3.80E+00	3.61E+00	9.84E-01	2.14E-01	8.60E+00	3.79E+00	4.14E-04	1.08E-02	6.25E-03	3.81E+00
3686	481863.09	3851377.25	3.47E+00	2.79E-04	1.05E-02	6.93E-03	3.48E+00	3.62E+00	2.85E+00	9.56E-01	2.37E-01	7.66E+00	3.61E+00	3.26E-04	1.05E-02	6.93E-03	3.63E+00
3687	482363.09	3851377.25	3.24E+00	2.08E-04	2.27E-02	8.44E-03	3.27E+00	3.38E+00	2.13E+00	2.07E+00	2.89E-01	7.87E+00	3.37E+00	2.44E-04	2.27E-02	8.44E-03	3.41E+00
3688	482863.09	3851377.25	2.05E+00	1.31E-04	2.55E-02	9.92E-03	2.08E+00	2.14E+00	1.34E+00	2.32E+00	3.39E-01	6.14E+00	2.13E+00	1.53E-04	2.55E-02	9.92E-03	2.17E+00
3689	483363.09	3851377.25	9.05E-01	8.85E-05	1.26E-02	6.05E-03	9.24E-01	9.44E-01	9.04E-01	1.15E+00	2.07E-01	3.20E+00	9.42E-01	1.04E-04	1.26E-02	6.05E-03	9.61E-01
3690	483863.09	3851377.25	7.80E-01	7.26E-05	2.01E-02	4.12E-03	8.04E-01	8.14E-01	7.42E-01	1.83E+00	1.41E-01	3.53E+00	8.12E-01	8.50E-05	2.01E-02	4.12E-03	8.36E-01
3691	484363.09	3851377.25	1.15E+00	1.01E-04	4.17E-02	4.75E-03	1.20E+00	1.20E+00	1.03E+00	3.80E+00	1.62E-01	6.19E+00	1.20E+00	1.18E-04	4.17E-02	4.75E-03	1.24E+00
3692	484863.09	3851377.25	6.35E-01	7.07E-05	1.66E-02	5.39E-03	6.57E-01	6.63E-01	7.23E-01	1.51E+00	1.84E-01	3.08E+00	6.62E-01	8.27E-05	1.66E-02	5.39E-03	6.84E-01
3693	485363.09	3851377.25	8.41E-01	9.29E-05	1.91E-02	5.87E-03	8.66E-01	8.78E-01	9.49E-01	1.74E+00	2.01E-01	3.77E+00	8.76E-01	1.09E-04	1.91E-02	5.87E-03	9.01E-01
3694	485863.09	3851377.25	5.07E-01	8.87E-05	2.93E-02	5.42E-03	5.41E-01	5.29E-01	9.06E-01	2.67E+00	1.85E-01	4.29E+00	5.28E-01	1.04E-04	2.93E-02	5.42E-03	5.62E-01
3695	486363.09	3851377.25	4.56E-01	6.85E-05	3.28E-02	6.59E-03	4.96E-01	4.76E-01	7.00E-01	2.99E+00	2.25E-01	4.39E+00	4.75E-01	8.02E-05	3.28E-02	6.59E-03	5.15E-01
3696	486863.09	3851377.25	3.87E-01	7.79E-05	3.91E-02	4.83E-03	4.31E-01	4.03E-01	7.96E-01	3.56E+00	1.65E-01	4.93E+00	4.03E-01	9.11E-05	3.91E-02	4.83E-03	4.47E-01
3697	487363.09	3851377.25	3.04E-01	8.68E-05	1.79E-02	4.25E-03	3.26E-01	3.17E-01	8.87E-01	1.63E+00	1.45E-01	2.98E+00	3.16E-01	1.02E-04	1.79E-02	4.25E-03	3.38E-01
3698	487863.09	3851377.25	3.45E-01	7.01E-05	1.42E-02	4.50E-03	3.64E-01	3.60E-01	7.16E-01	1.30E+00	1.54E-01	2.53E+00	3.60E-01	8.20E-05	1.42E-02	4.50E-03	3.79E-01
3699	488363.09	3851377.25	3.80E-01	7.37E-05	2.26E-02	4.99E-03	4.07E-01	3.96E-01	7.53E-01	2.07E+00	1.71E-01	3.38E+00	3.95E-01	8.62E-05	2.26E-02	4.99E-03	4.23E-01
3700	488863.09	3851377.25	3.69E-01	6.70E-05	2.68E-02	4.98E-03	4.01E-01	3.85E-01	6.84E-01	2.44E+00	1.70E-01	3.68E+00	3.85E-01	7.84E-05	2.68E-02	4.98E-03	4.16E-01
3701	489363.09	3851377.25	3.73E-01	5.23E-05	2.39E-02	4.54E-03	4.02E-01	3.89E-01	5.35E-01	2.18E+00	1.55E-01	3.26E+00	3.88E-01	6.12E-05	2.39E-02	4.54E-03	4.17E-01
3702	489863.09	3851377.25	3.68E-01	4.62E-05	2.32E-02	4.20E-03	3.95E-01	3.84E-01	4.72E-01	2.12E+00	1.44E-01	3.12E+00	3.83E-01	5.40E-05	2.32E-02	4.20E-03	4.11E-01
3703	490363.09	3851377.25	3.53E-01	4.18E-05	2.35E-02	3.81E-03	3.81E-01	3.69E-01	4.27E-01	2.14E+00	1.30E-01	3.07E+00	3.68E-01	4.89E-05	2.35E-02	3.81E-03	3.95E-01
3704	490863.09	3851377.25	3.20E-01	4.34E-05	2.10E-02	3.65E-03	3.44E-01	3.33E-01	4.43E-01	1.92E+00	1.25E-01	2.82E+00	3.33E-01	5.08E-05	2.10E-02	3.65E-03	3.57E-01
3705	491363.09	3851377.25	2.34E-01	3.93E-05	1.71E-02	3.37E-03	2.55E-01	2.45E-01	4.02E-01	1.56E+00	1.15E-01	2.32E+00	2.44E-01	4.60E-05	1.71E-02	3.37E-03	2.65E-01
3706	491863.09	3851377.25	2.09E-01	4.33E-05	1.34E-02	3.16E-03	2.26E-01	2.18E-01	4.43E-01	1.22E+00	1.08E-01	1.99E+00	2.18E-01	5.07E-05	1.34E-02	3.16E-03	2.34E-01
3707	492363.09	3851377.25	2.01E-01	5.09E-05	1.41E-02	2.83E-03	2.18E-01	2.10E-01	5.21E-01	1.29E+00	9.68E-02	2.12E+00	2.10E-01	5.96E-05	1.41E-02	2.83E-03	2.27E-01
3708	492863.09	3851377.25	2.25E-01	5.11E-05	1.68E-02	2.93E-03	2.45E-01	2.35E-01	5.22E-01	1.53E+00	1.00E-01	2.39E+00	2.34E-01	5.97E-05	1.68E-02	2.93E-03	2.54E-01
3709	493363.09	3851377.25	2.19E-01	4.60E-05	1.99E-02	3.16E-03	2.42E-01	2.29E-01	4.70E-01	1.81E+00	1.08E-01	2.62E+00	2.28E-01	5.38E-05	1.99E-02	3.16E-03	2.52E-01
3710	493863.09	3851377.25	2.42E-01	5.02E-05	1.87E-02	3.57E-03	2.64E-01	2.53E-01	5.13E-01	1.71E+00	1.22E-01	2.60E+00	2.52E-01	5.87E-05	1.87E-02	3.57E-03	2.74E-01
3711	494363.09	3851377.25	2.82E-01	6.39E-05	1.78E-02	3.76E-03	3.04E-01	2.95E-01	6.53E-01	1.63E+00	1.28E-01	2.70E+00	2.94E-01	7.48E-05	1.78E-02	3.76E-03	3.16E-01
3712	494863.09	3851377.25	2.84E-01	6.67E-05	1.97E-02	3.73E-03	3.07E-01	2.96E-01	6.82E-01	1.80E+00	1.28E-01	2.90E+00	2.96E-01	7.80E-05	1.97E-02	3.73E-03	3.19E-01
3713	495363.09	3851377.25	3.24E-01	6.35E-05	2.34E-02	3.63E-03	3.51E-01	3.38E-01	6.49E-01	2.13E+00	1.24E-01	3.24E+00	3.37E-01	7.43E-05	2.34E-02	3.63E-03	3.65E-01
3714	495863.09	3851377.25	3.30E-01	5.34E-05	1.86E-02	3.57E-03	3.52E-01	3.44E-01	5.46E-01	1.69E+00	1.22E-01	2.71E+00	3.43E-01	6.25E-05	1.86E-02	3.57E-03	3.65E-01
3715	496363.09	3851377.25	3.22E-01	4.81E-05	1.60E-02	3.30E-03	3.41E-01	3.36E-01	4.92E-01	1.46E+00	1.13E-01	2.40E+00	3.35E-01	5.63E-05	1.60E-02	3.30E-03	3.55E-01
3716	496863.09	3851377.25	3.14E-01	4.39E-05	1.56E-02	3.10E-03	3.33E-01	3.28E-01	4.49E-01	1.42E+00	1.06E-01	2.31E+00	3.27E-01	5.14E-05	1.56E-02	3.10E-03	3.46E-01
3717	497363.09	3851377.25	3.10E-01	4.04E-05	1.59E-02	3.14E-03	3.29E-01	3.23E-01	4.12E-01	1.45E+00	1.07E-01	2.29E+00	3.23E-01	4.72E-05	1.59E-02	3.14E-03	3.42E-01

3718	497863.09	3851377.25	2.97E-01	3.72E-05	1.51E-02	3.11E-03	3.15E-01	3.10E-01	3.80E-01	1.38E+00	1.06E-01	2.17E+00	3.09E-01	4.35E-05	1.51E-02	3.11E-03	3.27E-01
3719	498363.09	3851377.25	2.35E-01	3.62E-05	1.33E-02	2.96E-03	2.51E-01	2.45E-01	3.69E-01	1.22E+00	1.01E-01	1.93E+00	2.44E-01	4.23E-05	1.33E-02	2.96E-03	2.61E-01
3720	471363.09	3851877.25	8.05E-01	9.01E-05	1.59E-02	4.16E-03	8.25E-01	8.40E-01	9.20E-01	1.45E+00	1.42E-01	3.35E+00	8.38E-01	1.05E-04	1.59E-02	4.16E-03	8.58E-01
3721	471863.09	3851877.25	8.01E-01	8.45E-05	1.67E-02	4.02E-03	8.22E-01	8.36E-01	8.64E-01	1.52E+00	1.37E-01	3.36E+00	8.34E-01	9.89E-05	1.67E-02	4.02E-03	8.55E-01
3722	472363.09	3851877.25	9.01E-01	9.94E-05	1.75E-02	4.18E-03	9.23E-01	9.41E-01	1.02E+00	1.60E+00	1.43E-01	3.70E+00	9.39E-01	1.16E-04	1.75E-02	4.18E-03	9.61E-01
3723	472863.09	3851877.25	1.02E+00	1.19E-04	1.64E-02	4.12E-03	1.04E+00	1.06E+00	1.21E+00	1.50E+00	1.41E-01	3.91E+00	1.06E+00	1.39E-04	1.64E-02	4.12E-03	1.08E+00
3724	473363.09	3851877.25	9.41E-01	9.67E-05	1.30E-02	3.76E-03	9.58E-01	9.82E-01	9.88E-01	1.19E+00	1.29E-01	3.28E+00	9.80E-01	1.13E-04	1.30E-02	3.76E-03	9.97E-01
3725	473863.09	3851877.25	9.14E-01	1.00E-04	1.37E-02	3.79E-03	9.31E-01	9.53E-01	1.02E+00	1.25E+00	1.30E-01	3.35E+00	9.52E-01	1.17E-04	1.37E-02	3.79E-03	9.69E-01
3726	474363.09	3851877.25	1.08E+00	1.55E-04	1.38E-02	3.74E-03	1.09E+00	1.12E+00	1.58E+00	1.26E+00	1.28E-01	4.09E+00	1.12E+00	1.81E-04	1.38E-02	3.74E-03	1.14E+00
3727	474863.09	3851877.25	1.25E+00	2.54E-04	1.23E-02	3.32E-03	1.27E+00	1.31E+00	2.60E+00	1.12E+00	1.13E-01	5.14E+00	1.31E+00	2.98E-04	1.23E-02	3.32E-03	1.32E+00
3728	475363.09	3851877.25	1.45E+00	3.31E-04	1.00E-02	2.88E-03	1.46E+00	1.51E+00	3.38E+00	9.15E-01	9.83E-02	5.90E+00	1.51E+00	3.87E-04	1.00E-02	2.88E-03	1.52E+00
3729	475863.09	3851877.25	1.64E+00	3.99E-04	7.48E-03	2.94E-03	1.65E+00	1.71E+00	4.08E+00	6.82E-01	1.00E-01	6.57E+00	1.71E+00	4.67E-04	7.48E-03	2.94E-03	1.72E+00
3730	476363.09	3851877.25	1.85E+00	3.76E-04	6.20E-03	3.31E-03	1.86E+00	1.94E+00	3.84E+00	5.65E-01	1.13E-01	6.45E+00	1.93E+00	4.40E-04	6.20E-03	3.31E-03	1.94E+00
3731	476863.09	3851877.25	1.92E+00	3.74E-04	6.48E-03	3.96E-03	1.93E+00	2.01E+00	3.82E+00	5.91E-01	1.35E-01	6.56E+00	2.00E+00	4.38E-04	6.48E-03	3.96E-03	2.01E+00
3732	477363.09	3851877.25	1.87E+00	4.11E-04	7.71E-03	4.81E-03	1.89E+00	1.95E+00	4.20E+00	7.03E-01	1.65E-01	7.02E+00	1.95E+00	4.81E-04	7.71E-03	4.81E-03	1.96E+00
3733	477863.09	3851877.25	2.54E+00	4.46E-04	8.99E-03	5.54E-03	2.55E+00	2.65E+00	4.55E+00	8.20E-01	1.89E-01	8.21E+00	2.64E+00	5.21E-04	8.99E-03	5.54E-03	2.66E+00
3734	478363.09	3851877.25	2.72E+00	4.42E-04	9.19E-03	6.18E-03	2.74E+00	2.84E+00	4.52E+00	8.38E-01	2.11E-01	8.41E+00	2.84E+00	5.18E-04	9.19E-03	6.18E-03	2.85E+00
3735	478863.09	3851877.25	2.94E+00	5.49E-04	9.65E-03	6.73E-03	2.96E+00	3.07E+00	5.61E+00	8.80E-01	2.30E-01	9.79E+00	3.06E+00	6.42E-04	9.65E-03	6.73E-03	3.08E+00
3736	479363.09	3851877.25	2.78E+00	7.24E-04	9.80E-03	6.56E-03	2.79E+00	2.90E+00	7.40E+00	8.94E-01	2.24E-01	1.14E+01	2.89E+00	8.47E-04	9.80E-03	6.56E-03	2.91E+00
3737	479863.09	3851877.25	2.76E+00	8.26E-04	1.08E-02	5.91E-03	2.78E+00	2.88E+00	8.44E+00	9.84E-01	2.02E-01	1.25E+01	2.87E+00	9.67E-04	1.08E-02	5.91E-03	2.89E+00
3738	480363.09	3851877.25	2.87E+00	6.80E-04	1.23E-02	5.25E-03	2.89E+00	3.00E+00	6.95E+00	1.12E+00	1.80E-01	1.13E+01	2.99E+00	7.96E-04	1.23E-02	5.25E-03	3.01E+00
3739	480863.09	3851877.25	2.77E+00	5.59E-04	1.36E-02	5.16E-03	2.79E+00	2.89E+00	5.71E+00	1.24E+00	1.77E-01	1.00E+01	2.89E+00	6.54E-04	1.36E-02	5.16E-03	2.90E+00
3740	481363.09	3851877.25	3.56E+00	4.45E-04	1.34E-02	5.54E-03	3.58E+00	3.71E+00	4.55E+00	1.22E+00	1.90E-01	9.67E+00	3.70E+00	5.21E-04	1.34E-02	5.54E-03	3.72E+00
3741	481863.09	3851877.25	4.11E+00	3.72E-04	1.16E-02	6.77E-03	4.13E+00	4.29E+00	3.80E+00	1.06E+00	2.32E-01	9.38E+00	4.28E+00	4.35E-04	1.16E-02	6.77E-03	4.30E+00
3742	482363.09	3851877.25	3.56E+00	2.19E-04	1.37E-02	8.41E-03	3.58E+00	3.71E+00	2.24E+00	1.25E+00	2.88E-01	7.48E+00	3.70E+00	2.56E-04	1.37E-02	8.41E-03	3.73E+00
3743	482863.09	3851877.25	2.18E+00	1.40E-04	3.27E-02	9.17E-03	2.22E+00	2.28E+00	1.43E+00	2.98E+00	3.14E-01	7.01E+00	2.27E+00	1.64E-04	3.27E-02	9.17E-03	2.31E+00
3744	483363.09	3851877.25	1.98E+00	1.18E-04	2.35E-02	9.64E-03	2.01E+00	2.06E+00	1.20E+00	2.14E+00	3.30E-01	5.74E+00	2.06E+00	1.38E-04	2.35E-02	9.64E-03	2.09E+00
3745	483863.09	3851877.25	1.34E+00	1.02E-04	1.82E-02	6.88E-03	1.36E+00	1.40E+00	1.04E+00	1.66E+00	2.35E-01	4.33E+00	1.39E+00	1.19E-04	1.82E-02	6.88E-03	1.42E+00
3746	484363.09	3851877.25	1.36E+00	1.14E-04	4.47E-02	5.56E-03	1.41E+00	1.42E+00	1.16E+00	4.08E+00	1.90E-01	6.85E+00	1.42E+00	1.33E-04	4.47E-02	5.56E-03	1.47E+00
3747	484863.09	3851877.25	1.20E+00	1.01E-04	3.81E-02	6.50E-03	1.25E+00	1.25E+00	1.03E+00	3.48E+00	2.22E-01	5.99E+00	1.25E+00	1.18E-04	3.81E-02	6.50E-03	1.30E+00
3748	485363.09	3851877.25	9.79E-01	1.07E-04	1.78E-02	6.57E-03	1.00E+00	1.02E+00	1.09E+00	1.62E+00	2.25E-01	3.96E+00	1.02E+00	1.25E-04	1.78E-02	6.57E-03	1.04E+00
3749	485863.09	3851877.25	9.28E-01	1.11E-04	2.74E-02	8.80E-03	9.64E-01	9.68E-01	1.14E+00	2.50E+00	3.01E-01	4.91E+00	9.66E-01	1.30E-04	2.74E-02	8.80E-03	1.00E+00
3750	486363.09	3851877.25	5.02E-01	7.23E-05	3.73E-02	7.97E-03	5.47E-01	5.24E-01	7.39E-01	3.40E+00	2.72E-01	4.94E+00	5.23E-01	8.46E-05	3.73E-02	7.97E-03	5.68E-01
3751	486863.09	3851877.25	4.30E-01	7.96E-05	4.86E-02	5.46E-03	4.84E-01	4.48E-01	8.13E-01	4.43E+00	1.87E-01	5.88E+00	4.47E-01	9.31E-05	4.86E-02	5.46E-03	5.02E-01
3752	487363.09	3851877.25	3.77E-01	9.13E-05	2.61E-02	4.47E-03	4.08E-01	3.93E-01	9.33E-01	2.38E+00	1.53E-01	3.86E+00	3.93E-01	1.07E-04	2.61E-02	4.47E-03	4.23E-01
3753	487863.09	3851877.25	3.81E-01	7.22E-05	1.50E-02	4.87E-03	4.01E-01	3.97E-01	7.38E-01	1.36E+00	1.66E-01	2.67E+00	3.96E-01	8.45E-05	1.50E-02	4.87E-03	4.16E-01
3754	488363.09	3851877.25	3.81E-01	7.15E-05	2.43E-02	5.17E-03	4.11E-01	3.98E-01	7.31E-01	2.22E+00	1.77E-01	3.52E+00	3.97E-01	8.37E-05	2.43E-02	5.17E-03	4.27E-01
3755	488863.09	3851877.25	3.74E-01	5.62E-05	2.83E-02	5.13E-03	4.08E-01	3.90E-01	5.75E-01	2.58E+00	1.75E-01	3.72E+00	3.90E-01	6.58E-05	2.83E-02	5.13E-03	4.23E-01
3756	489363.09	3851877.25	3.71E-01	4.40E-05	2.47E-02	4.20E-03	4.00E-01	3.87E-01	4.49E-01	2.25E+00	1.44E-01	3.23E+00	3.86E-01	5.15E-05	2.47E-02	4.20E-03	4.15E-01
3757	489863.09	3851877.25	3.60E-01	4.31E-05	2.15E-02	3.98E-03	3.85E-01	3.75E-01	4.40E-01	1.96E+00	1.36E-01	2.91E+00	3.75E-01	5.04E-05	2.15E-02	3.98E-03	4.00E-01
3758	490363.09	3851877.25	3.35E-01	4.20E-05	2.18E-02	3.66E-03	3.60E-01	3.49E-01	4.29E-01	1.99E+00	1.25E-01	2.89E+00	3.48E-01	4.91E-05	2.18E-02	3.66E-03	3.74E-01
3759	490863.09	3851877.25	2.55E-01	4.28E-05	2.31E-02	3.57E-03	2.82E-01	2.67E-01	4.37E-01	2.11E+00	1.22E-01	2.93E+00	2.66E-01	5.00E-05	2.31E-02	3.57E-03	2.93E-01
3760	491363.09	3851877.25	2.29E-01	4.47E-05	1.88E-02	3.34E-03	2.51E-01	2.39E-01	4.56E-01	1.71E+00	1.14E-01	2.52E+00	2.39E-01	5.23E-05	1.88E-02	3.34E-03	2.61E-01
3761	491863.09	3851877.25	2.73E-01	4.98E-05	1.83E-02	3.41E-03	2.94E-01	2.84E-01	5.09E-01	1.67E+00	1.17E-01	2.58E+00	2.84E-01	5.83E-05	1.83E-02	3.41E-03	3.06E-01
3762	492363.09	3851877.25	3.00E-01	5.36E-05	1.65E-02	3.70E-03	3.20E-01	3.13E-01	5.48E-01	1.51E+00	1.27E-01	2.49E+00	3.12E-01	6.27E-05	1.65E-02	3.70E-03	3.32E-01
3763	492863.09	3851877.25	2.50E-01	5.00E-05	2.07E-02	3.60E-03	2.74E-01	2.61E-01	5.11E-01	1.89E+00	1.23E-01	2.78E+00	2.60E-01	5.85E-05	2.07E-02	3.60E-03	2.85E-01
3764	493363.09	3851877.25	3.18E-01	5.18E-05	2.13E-02	3.97E-03	3.43E-01	3.32E-01	5.30E-01	1.94E+00	1.36E-01	2.94E+00	3.31E-01	6.06E-05	2.13E-02	3.97E-03	3.56E-01
3765	493863.09	3851877.25	3.42E-01	6.98E-05	2.57E-02	4.29E-03	3.72E-01	3.57E-01	7.13E-01	2.34E+00	1.47E-01	3.56E+00	3.57E-01	8.17E-05	2.57E-02	4.29E-03	3.87E-01
3766	494363.09	3851877.25	3.34E-01	7.24E-05	2.71E-02	3.90E-03	3.65E-01	3.49E-01	7.40E-01	2.48E+00	1.33E-01	3.70E+00	3.48E-01	8.47E-05	2.71E-02	3.90E-03	3.79E-01
3767	494863.09	3851877.25	3.39E-01	6.77E-05	2.46E-02	3.92E-03	3.68E-01	3.54E-01	6.91E-01	2.24E+00	1.34E-01	3.42E+00	3.53E-01	7.92E-05	2.46E-02	3.92E-03	3.82E-01
3768	495363.09	3851877.25	3.36E-01	5.82E-05	1.89E-02	3.85E-03	3.58E-01	3.50E-01	5.95E-01	1.73E+00	1.32E-01	2.80E+00	3.49E-01	6.81E-05	1.89E-02	3.85E-03	3.72E-01
3769	495863.09	3851877.25	3.36E-01	5.50E-05	1.70E-02	3.90E-03	3.57E-01	3.51E-01	5.62E-01	1.55E+00	1.33E-01	2.60E+00	3.50E-01	6.44E-05	1.70E-02	3.90E-03	3.71E-01
3770	496363.09	3851877.25	3.30E-01	4.92E-05	1.69E-02	3.74E-03	3.51E-01	3.45E-01	5.03E-01	1.54E+00	1.28E-01	2.51E+00	3.44E-01	5.76E-05	1.69E-02	3.74E-03	3.65E-01
3771	496863.09	3851877.25	3.23E-01	3.93E-05	1.66E-02	3.27E-03	3.42E-01	3.37E-01	4.01E-01	1.51E+00	1.12E-01	2.36E+00	3.36E-01	4.59E-05	1.66E-02	3.27E-03	3.56E-01
3772	497363.09	3851877.25	3.10E-01	3.58E-05	1.52E-02	3.36E-03	3.28E-01	3.23E-01	3.66E-01	1.38E+00	1.15E-01	2.19E+00	3.23E-01	4.19E-05	1.52E-02	3.36E-03	3.41E-01
3773	497863.09	3851877.25	2.80E-01	3.62E-05	1.34E-02	3.19E-03	2.97E-01	2.93E-01	3.70E-01	1.22E+00	1.09E-01	1.99E+00	2.92E-01	4.24E-05	1.34E-02	3.19E-03	3.09E-01
3774	498363.09	3851877.25	2.16E-01	3.73E-05	1.35E-02	3.25E-03	2.32E-01	2.25E-01	3.81E-01	1.23E+00	1.11E-01	1.94E+00	2.25E-01	4.36E-05	1.35E-02	3.25E-03	2.41E-01
3775	471363.09	3852377.25	7.81E-01	8.14E-05	1.38E-02	4.67E-03	7.99E-01	8.15E-01	8.32E-01	1.26E+00	1.60E-01	3.06E+00	8.13E-01	9.52E-05	1.38E-02	4.67E-03	8.32E-01
3776	471863.09	3852377.25	9.65E-01	8.72E-05	1.41E-02	4.59E-03	9.84E-01	1.01E+00	8.91E-01	1.29E+00	1.57E-01	3.34E+00	1.00E+00	1.02E-04	1.41E-02	4.59E-03	1.02E+00
3777	472363.09	3852377.25	9.59E-01	9.30E-05	1.57E-02	4.49E-03	9.79E-01	1.00E+00	9.50E-01	1.44E+00	1.54E-01	3.54E+00	9.98E-01	1.09E-04	1.57E-02	4.49E-03	1.02E+00
3778	472863.09	3852377.25	9.32E-01	9.93E-05	1.80E-02	4.38E-03	9.54E-01	9.72E-01	1.01E+00	1.64E+00	1.50E-01	3.78E+00	9.70E-01	1.16E-04	1.80E-02	4.38E-03	9.93E-01

3779	473363.09	3852377.25	9.54E-01	1.02E-04	1.92E-02	4.41E-03	9.78E-01	9.96E-01	1.04E+00	1.75E+00	1.51E-01	3.94E+00	9.94E-01	1.19E-04	1.92E-02	4.41E-03	1.02E+00
3780	473863.09	3852377.25	9.67E-01	9.97E-05	1.83E-02	4.37E-03	9.90E-01	1.01E+00	1.02E+00	1.67E+00	1.49E-01	3.85E+00	1.01E+00	1.17E-04	1.83E-02	4.37E-03	1.03E+00
3781	474363.09	3852377.25	1.00E+00	1.03E-04	1.57E-02	4.02E-03	1.02E+00	1.05E+00	1.05E+00	1.43E+00	1.37E-01	3.66E+00	1.04E+00	1.20E-04	1.57E-02	4.02E-03	1.06E+00
3782	474863.09	3852377.25	1.37E+00	1.68E-04	1.55E-02	4.45E-03	1.39E+00	1.43E+00	1.72E+00	1.41E+00	1.52E-01	4.71E+00	1.42E+00	1.97E-04	1.55E-02	4.45E-03	1.44E+00
3783	475363.09	3852377.25	1.34E+00	2.05E-04	1.55E-02	4.25E-03	1.36E+00	1.40E+00	2.09E+00	1.41E+00	1.45E-01	5.05E+00	1.40E+00	2.40E-04	1.55E-02	4.25E-03	1.42E+00
3784	475863.09	3852377.25	1.30E+00	2.40E-04	1.37E-02	3.57E-03	1.32E+00	1.36E+00	2.45E+00	1.25E+00	1.22E-01	5.19E+00	1.36E+00	2.81E-04	1.37E-02	3.57E-03	1.37E+00
3785	476363.09	3852377.25	1.42E+00	2.49E-04	1.09E-02	3.14E-03	1.43E+00	1.48E+00	2.54E+00	9.93E-01	1.08E-01	5.12E+00	1.47E+00	2.91E-04	1.09E-02	3.14E-03	1.49E+00
3786	476863.09	3852377.25	1.62E+00	2.91E-04	7.88E-03	3.22E-03	1.63E+00	1.69E+00	2.98E+00	7.19E-01	1.10E-01	5.50E+00	1.69E+00	3.41E-04	7.88E-03	3.22E-03	1.70E+00
3787	477363.09	3852377.25	1.86E+00	2.70E-04	6.72E-03	3.75E-03	1.87E+00	1.94E+00	2.76E+00	6.13E-01	1.28E-01	5.44E+00	1.94E+00	3.16E-04	6.72E-03	3.75E-03	1.95E+00
3788	477863.09	3852377.25	1.59E+00	1.62E-04	7.04E-03	4.66E-03	1.60E+00	1.66E+00	1.65E+00	6.42E-01	1.59E-01	4.11E+00	1.65E+00	1.90E-04	7.04E-03	4.66E-03	1.66E+00
3789	478363.09	3852377.25	1.35E+00	1.70E-04	8.01E-03	5.56E-03	1.37E+00	1.41E+00	1.74E+00	7.30E-01	1.90E-01	4.07E+00	1.41E+00	1.99E-04	8.01E-03	5.56E-03	1.42E+00
3790	478863.09	3852377.25	2.56E+00	2.62E-04	9.15E-03	6.43E-03	2.58E+00	2.68E+00	2.67E+00	8.34E-01	2.20E-01	6.40E+00	2.67E+00	3.06E-04	9.15E-03	6.43E-03	2.69E+00
3791	479363.09	3852377.25	3.02E+00	3.67E-04	9.92E-03	7.16E-03	3.04E+00	3.16E+00	3.75E+00	9.05E-01	2.45E-01	8.05E+00	3.15E+00	4.29E-04	9.92E-03	7.16E-03	3.17E+00
3792	479863.09	3852377.25	3.48E+00	5.83E-04	1.04E-02	7.11E-03	3.50E+00	3.63E+00	5.95E+00	9.45E-01	2.43E-01	1.08E+01	3.62E+00	6.82E-04	1.04E-02	7.11E-03	3.64E+00
3793	480363.09	3852377.25	3.02E+00	9.04E-04	1.12E-02	6.41E-03	3.03E+00	3.15E+00	9.23E+00	1.02E+00	2.19E-01	1.36E+01	3.14E+00	1.06E-03	1.12E-02	6.41E-03	3.16E+00
3794	480863.09	3852377.25	3.17E+00	7.13E-04	1.27E-02	5.63E-03	3.19E+00	3.30E+00	7.28E+00	1.16E+00	1.93E-01	1.19E+01	3.30E+00	8.34E-04	1.27E-02	5.63E-03	3.32E+00
3795	481363.09	3852377.25	2.91E+00	5.84E-04	1.44E-02	5.61E-03	2.93E+00	3.04E+00	5.96E+00	1.31E+00	1.92E-01	1.05E+01	3.03E+00	6.83E-04	1.44E-02	5.61E-03	3.05E+00
3796	481863.09	3852377.25	3.90E+00	4.69E-04	1.44E-02	6.11E-03	3.92E+00	4.07E+00	4.79E+00	1.32E+00	2.09E-01	1.04E+01	4.06E+00	5.48E-04	1.44E-02	6.11E-03	4.08E+00
3797	482363.09	3852377.25	4.61E+00	4.01E-04	1.26E-02	7.06E-03	4.63E+00	4.81E+00	4.10E+00	1.15E+00	2.41E-01	1.03E+01	4.80E+00	4.69E-04	1.26E-02	7.06E-03	4.82E+00
3798	482863.09	3852377.25	4.02E+00	2.85E-04	1.28E-02	7.47E-03	4.04E+00	4.19E+00	2.92E+00	1.16E+00	2.55E-01	8.53E+00	4.19E+00	3.34E-04	1.28E-02	7.47E-03	4.21E+00
3799	483363.09	3852377.25	2.93E+00	1.59E-04	3.19E-02	1.08E-02	2.98E+00	3.06E+00	1.62E+00	2.91E+00	3.71E-01	7.97E+00	3.06E+00	1.86E-04	3.19E-02	1.08E-02	3.10E+00
3800	483863.09	3852377.25	1.78E+00	1.06E-04	2.11E-02	8.32E-03	1.81E+00	1.86E+00	1.08E+00	1.93E+00	2.85E-01	5.15E+00	1.85E+00	1.24E-04	2.11E-02	8.32E-03	1.88E+00
3801	484363.09	3852377.25	1.76E+00	1.19E-04	2.70E-02	7.44E-03	1.80E+00	1.84E+00	1.22E+00	2.47E+00	2.54E-01	5.78E+00	1.84E+00	1.40E-04	2.70E-02	7.44E-03	1.87E+00
3802	484863.09	3852377.25	1.70E+00	1.24E-04	5.19E-02	5.98E-03	1.76E+00	1.78E+00	1.26E+00	4.73E+00	2.04E-01	7.97E+00	1.77E+00	1.44E-04	5.19E-02	5.98E-03	1.83E+00
3803	485363.09	3852377.25	1.45E+00	1.20E-04	2.68E-02	7.39E-03	1.48E+00	1.51E+00	1.23E+00	2.45E+00	2.53E-01	5.43E+00	1.51E+00	1.40E-04	2.68E-02	7.39E-03	1.54E+00
3804	485863.09	3852377.25	1.15E+00	1.25E-04	2.38E-02	1.19E-02	1.19E+00	1.20E+00	1.28E+00	2.17E+00	4.08E-01	5.05E+00	1.20E+00	1.46E-04	2.38E-02	1.19E-02	1.23E+00
3805	486363.09	3852377.25	6.06E-01	8.01E-05	4.26E-02	7.79E-03	6.56E-01	6.32E-01	8.19E-01	3.88E+00	2.67E-01	5.60E+00	6.31E-01	9.37E-05	4.26E-02	7.79E-03	6.81E-01
3806	486863.09	3852377.25	5.19E-01	8.20E-05	5.10E-02	5.89E-03	5.76E-01	5.42E-01	8.38E-01	4.66E+00	2.01E-01	6.24E+00	5.41E-01	9.59E-05	5.10E-02	5.89E-03	5.98E-01
3807	487363.09	3852377.25	4.18E-01	9.33E-05	2.89E-02	4.77E-03	4.52E-01	4.36E-01	9.53E-01	2.64E+00	1.63E-01	4.19E+00	4.36E-01	1.09E-04	2.89E-02	4.77E-03	4.69E-01
3808	487863.09	3852377.25	3.87E-01	7.48E-05	1.57E-02	5.20E-03	4.08E-01	4.04E-01	7.64E-01	1.43E+00	1.78E-01	2.78E+00	4.03E-01	8.75E-05	1.57E-02	5.20E-03	4.24E-01
3809	488363.09	3852377.25	3.80E-01	6.74E-05	2.63E-02	5.35E-03	4.12E-01	3.97E-01	6.89E-01	2.40E+00	1.83E-01	3.67E+00	3.96E-01	7.89E-05	2.63E-02	5.35E-03	4.28E-01
3810	488863.09	3852377.25	3.73E-01	5.34E-05	3.00E-02	4.87E-03	4.08E-01	3.89E-01	5.45E-01	2.74E+00	1.67E-01	3.84E+00	3.88E-01	6.24E-05	3.00E-02	4.87E-03	4.23E-01
3811	489363.09	3852377.25	3.65E-01	4.15E-05	2.42E-02	4.18E-03	3.94E-01	3.81E-01	4.24E-01	2.21E+00	1.43E-01	3.16E+00	3.80E-01	4.85E-05	2.42E-02	4.18E-03	4.09E-01
3812	489863.09	3852377.25	3.34E-01	3.82E-05	2.25E-02	3.54E-03	3.60E-01	3.49E-01	3.91E-01	2.05E+00	1.21E-01	2.91E+00	3.48E-01	4.47E-05	2.25E-02	3.54E-03	3.74E-01
3813	490363.09	3852377.25	2.94E-01	4.37E-05	2.19E-02	3.68E-03	3.19E-01	3.06E-01	4.47E-01	1.99E+00	1.26E-01	2.87E+00	3.06E-01	5.11E-05	2.19E-02	3.68E-03	3.31E-01
3814	490863.09	3852377.25	2.86E-01	4.63E-05	2.13E-02	3.78E-03	3.11E-01	2.99E-01	4.73E-01	1.94E+00	1.29E-01	2.84E+00	2.98E-01	5.41E-05	2.13E-02	3.78E-03	3.23E-01
3815	491363.09	3852377.25	3.40E-01	5.11E-05	2.16E-02	4.49E-03	3.66E-01	3.55E-01	5.22E-01	1.97E+00	1.54E-01	3.00E+00	3.54E-01	5.98E-05	2.16E-02	4.49E-03	3.80E-01
3816	491863.09	3852377.25	3.52E-01	5.84E-05	2.24E-02	4.55E-03	3.79E-01	3.67E-01	5.96E-01	2.04E+00	1.56E-01	3.16E+00	3.67E-01	6.83E-05	2.24E-02	4.55E-03	3.94E-01
3817	492363.09	3852377.25	3.52E-01	6.00E-05	2.32E-02	4.83E-03	3.80E-01	3.67E-01	6.13E-01	2.12E+00	1.65E-01	3.26E+00	3.66E-01	7.02E-05	2.32E-02	4.83E-03	3.94E-01
3818	492863.09	3852377.25	3.55E-01	6.07E-05	2.60E-02	4.94E-03	3.86E-01	3.71E-01	6.20E-01	2.37E+00	1.69E-01	3.53E+00	3.70E-01	7.10E-05	2.60E-02	4.94E-03	4.01E-01
3819	493363.09	3852377.25	3.63E-01	7.27E-05	2.77E-02	4.90E-03	3.95E-01	3.78E-01	7.43E-01	2.52E+00	1.68E-01	3.81E+00	3.78E-01	8.50E-05	2.77E-02	4.90E-03	4.10E-01
3820	493863.09	3852377.25	3.56E-01	7.52E-05	3.15E-02	4.43E-03	3.92E-01	3.71E-01	7.68E-01	2.87E+00	1.51E-01	4.16E+00	3.71E-01	8.80E-05	3.15E-02	4.43E-03	4.07E-01
3821	494363.09	3852377.25	3.46E-01	6.89E-05	2.64E-02	4.07E-03	3.77E-01	3.61E-01	7.04E-01	2.41E+00	1.39E-01	3.61E+00	3.61E-01	8.06E-05	2.64E-02	4.07E-03	3.91E-01
3822	494863.09	3852377.25	3.48E-01	5.85E-05	1.95E-02	4.00E-03	3.71E-01	3.63E-01	5.98E-01	1.78E+00	1.37E-01	2.88E+00	3.62E-01	6.84E-05	1.95E-02	4.00E-03	3.86E-01
3823	495363.09	3852377.25	3.49E-01	5.40E-05	1.80E-02	3.96E-03	3.71E-01	3.65E-01	5.51E-01	1.65E+00	1.35E-01	2.70E+00	3.64E-01	6.31E-05	1.80E-02	3.96E-03	3.86E-01
3824	495863.09	3852377.25	3.42E-01	4.81E-05	1.80E-02	3.82E-03	3.64E-01	3.56E-01	4.91E-01	1.64E+00	1.31E-01	2.62E+00	3.56E-01	5.63E-05	1.80E-02	3.82E-03	3.78E-01
3825	496363.09	3852377.25	3.25E-01	4.05E-05	1.78E-02	3.76E-03	3.46E-01	3.39E-01	4.14E-01	1.63E+00	1.29E-01	2.51E+00	3.38E-01	4.74E-05	1.78E-02	3.76E-03	3.60E-01
3826	496863.09	3852377.25	2.95E-01	4.00E-05	1.68E-02	3.69E-03	3.15E-01	3.08E-01	4.09E-01	1.53E+00	1.26E-01	2.37E+00	3.07E-01	4.68E-05	1.68E-02	3.69E-03	3.27E-01
3827	497363.09	3852377.25	3.04E-01	3.92E-05	1.53E-02	3.51E-03	3.23E-01	3.17E-01	4.00E-01	1.40E+00	1.20E-01	2.24E+00	3.17E-01	4.58E-05	1.53E-02	3.51E-03	3.35E-01
3828	497863.09	3852377.25	2.72E-01	4.10E-05	1.67E-02	3.52E-03	2.92E-01	2.84E-01	4.19E-01	1.52E+00	1.21E-01	2.34E+00	2.83E-01	4.80E-05	1.67E-02	3.52E-03	3.03E-01
3829	498363.09	3852377.25	2.39E-01	3.96E-05	1.52E-02	3.27E-03	2.57E-01	2.49E-01	4.04E-01	1.39E+00	1.12E-01	2.15E+00	2.49E-01	4.63E-05	1.52E-02	3.27E-03	2.67E-01
3830	471363.09	3852877.25	8.15E-01	8.99E-05	1.47E-02	5.03E-03	8.35E-01	8.50E-01	9.18E-01	1.34E+00	1.72E-01	3.28E+00	8.49E-01	1.05E-04	1.47E-02	5.03E-03	8.68E-01
3831	471863.09	3852877.25	8.73E-01	9.16E-05	1.47E-02	5.05E-03	8.93E-01	9.11E-01	9.36E-01	1.34E+00	1.73E-01	3.36E+00	9.09E-01	1.07E-04	1.47E-02	5.05E-03	9.29E-01
3832	472363.09	3852877.25	1.05E+00	9.72E-05	1.51E-02	5.04E-03	1.07E+00	1.10E+00	9.93E-01	1.38E+00	1.72E-01	3.64E+00	1.09E+00	1.14E-04	1.51E-02	5.04E-03	1.11E+00
3833	472863.09	3852877.25	1.10E+00	1.01E-04	1.51E-02	5.04E-03	1.12E+00	1.14E+00	1.04E+00	1.37E+00	1.72E-01	3.73E+00	1.14E+00	1.19E-04	1.51E-02	5.04E-03	1.16E+00
3834	473363.09	3852877.25	1.11E+00	1.06E-04	1.59E-02	4.97E-03	1.14E+00	1.16E+00	1.08E+00	1.45E+00	1.70E-01	3.87E+00	1.16E+00	1.24E-04	1.59E-02	4.97E-03	1.18E+00
3835	473863.09	3852877.25	1.14E+00	1.14E-04	1.85E-02	4.83E-03	1.16E+00	1.19E+00	1.17E+00	1.69E+00	1.65E-01	4.20E+00	1.18E+00	1.34E-04	1.85E-02	4.83E-03	1.21E+00
3836	474363.09	3852877.25	1.33E+00	1.33E-04	2.10E-02	4.98E-03	1.35E+00	1.38E+00	1.36E+00	1.91E+00	1.70E-01	4.83E+00	1.38E+00	1.56E-04	2.10E-02	4.98E-03	1.41E+00
3837	474863.09	3852877.25	1.07E+00	1.09E-04	2.09E-02	4.87E-03	1.10E+00	1.12E+00	1.12E+00	1.91E+00	1.67E-01	4.31E+00	1.11E+00	1.28E-04	2.09E-02	4.87E-03	1.14E+00
3838	475363.09	3852877.25	1.23E+00	1.29E-04	1.94E-02	4.94E-03	1.25E+00	1.28E+00	1.32E+00	1.77E+00	1.69E-01	4.53E+00	1.28E+00	1.51E-04	1.94E-02	4.94E-03	1.30E+00
3839	475863.09	3852877.25	1.27E+00	1.37E-04	1.62E-02	4.57E-03	1.29E+00	1.33E+00	1.40E+00	1.48E+00	1.56E-01	4.36E+00	1.32E+00	1.60E-04	1.62E-02	4.57E-03	1.34E+00

3840	476363.09	3852877.25	1.20E+00	1.40E-04	1.65E-02	4.38E-03	1.22E+00	1.25E+00	1.43E+00	1.50E+00	1.50E-01	4.33E+00	1.25E+00	1.64E-04	1.65E-02	4.38E-03	1.27E+00
3841	476863.09	3852877.25	9.41E-01	1.29E-04	1.41E-02	3.46E-03	9.59E-01	9.82E-01	1.31E+00	1.29E+00	1.18E-01	3.70E+00	9.80E-01	1.50E-04	1.41E-02	3.46E-03	9.98E-01
3842	477363.09	3852877.25	7.74E-01	1.26E-04	1.02E-02	3.46E-03	7.88E-01	8.08E-01	1.28E+00	9.35E-01	1.18E-01	3.14E+00	8.06E-01	1.47E-04	1.02E-02	3.46E-03	8.20E-01
3843	477863.09	3852877.25	6.57E-01	1.12E-04	7.13E-03	3.66E-03	6.68E-01	6.86E-01	1.15E+00	6.50E-01	1.25E-01	2.61E+00	6.85E-01	1.32E-04	7.13E-03	3.66E-03	6.96E-01
3844	478363.09	3852877.25	4.47E-01	1.04E-04	7.32E-03	4.41E-03	4.58E-01	4.66E-01	1.06E+00	6.68E-01	1.51E-01	2.35E+00	4.65E-01	1.22E-04	7.32E-03	4.41E-03	4.77E-01
3845	478863.09	3852877.25	5.76E-01	1.41E-04	7.71E-03	5.49E-03	5.89E-01	6.01E-01	1.44E+00	7.03E-01	1.88E-01	2.94E+00	6.00E-01	1.65E-04	7.71E-03	5.49E-03	6.13E-01
3846	479363.09	3852877.25	1.05E+00	1.83E-04	8.60E-03	6.64E-03	1.06E+00	1.09E+00	1.87E+00	7.84E-01	2.27E-01	3.97E+00	1.09E+00	2.14E-04	8.60E-03	6.64E-03	1.11E+00
3847	479863.09	3852877.25	3.31E+00	3.73E-04	9.98E-03	7.58E-03	3.33E+00	3.46E+00	3.81E+00	9.10E-01	2.59E-01	8.44E+00	3.45E+00	4.37E-04	9.98E-03	7.58E-03	3.47E+00
3848	480363.09	3852877.25	3.03E+00	7.34E-04	1.11E-02	7.79E-03	3.05E+00	3.16E+00	7.50E+00	1.01E+00	2.66E-01	1.19E+01	3.16E+00	8.59E-04	1.11E-02	7.79E-03	3.18E+00
3849	480863.09	3852877.25	3.53E+00	8.70E-04	1.16E-02	7.27E-03	3.55E+00	3.69E+00	8.88E+00	1.06E+00	2.49E-01	1.39E+01	3.68E+00	1.02E-03	1.16E-02	7.27E-03	3.70E+00
3850	481363.09	3852877.25	3.55E+00	7.50E-04	1.31E-02	6.08E-03	3.57E+00	3.70E+00	7.66E+00	1.20E+00	2.08E-01	1.28E+01	3.70E+00	8.78E-04	1.31E-02	6.08E-03	3.72E+00
3851	481863.09	3852877.25	3.48E+00	5.94E-04	1.52E-02	7.95E-03	3.50E+00	3.63E+00	6.06E+00	1.39E+00	2.72E-01	1.14E+01	3.62E+00	6.94E-04	1.52E-02	7.95E-03	3.65E+00
3852	482363.09	3852877.25	4.28E+00	5.43E-04	1.56E-02	7.28E-03	4.30E+00	4.47E+00	5.54E+00	1.42E+00	2.49E-01	1.17E+01	4.46E+00	6.35E-04	1.56E-02	7.28E-03	4.48E+00
3853	482863.09	3852877.25	5.10E+00	4.02E-04	1.37E-02	6.62E-03	5.12E+00	5.32E+00	4.10E+00	1.25E+00	2.26E-01	1.09E+01	5.31E+00	4.70E-04	1.37E-02	6.62E-03	5.33E+00
3854	483363.09	3852877.25	4.50E+00	2.89E-04	1.42E-02	8.25E-03	4.52E+00	4.70E+00	2.96E+00	1.30E+00	2.82E-01	9.23E+00	4.69E+00	3.39E-04	1.42E-02	8.25E-03	4.71E+00
3855	483863.09	3852877.25	2.89E+00	1.40E-04	3.45E-02	1.07E-02	2.93E+00	3.01E+00	1.43E+00	3.14E+00	3.66E-01	7.95E+00	3.00E+00	1.64E-04	3.45E-02	1.07E-02	3.05E+00
3856	484363.09	3852877.25	2.61E+00	1.37E-04	1.78E-02	1.02E-02	2.64E+00	2.72E+00	1.40E+00	1.62E+00	3.48E-01	6.09E+00	2.72E+00	1.60E-04	1.78E-02	1.02E-02	2.75E+00
3857	484863.09	3852877.25	2.20E+00	1.58E-04	3.49E-02	7.31E-03	2.24E+00	2.30E+00	1.61E+00	3.19E+00	2.50E-01	7.34E+00	2.29E+00	1.85E-04	3.49E-02	7.31E-03	2.34E+00
3858	485363.09	3852877.25	1.29E+00	1.05E-04	4.93E-02	9.73E-03	1.35E+00	1.35E+00	1.07E+00	4.49E+00	3.33E-01	7.25E+00	1.35E+00	1.23E-04	4.93E-02	9.73E-03	1.40E+00
3859	485863.09	3852877.25	8.32E-01	1.16E-04	2.15E-02	9.50E-03	8.63E-01	8.68E-01	1.18E+00	1.96E+00	3.25E-01	4.34E+00	8.67E-01	1.35E-04	2.15E-02	9.50E-03	8.98E-01
3860	486363.09	3852877.25	4.49E-01	9.19E-05	3.61E-02	6.65E-03	4.92E-01	4.69E-01	9.39E-01	3.29E+00	2.28E-01	4.93E+00	4.68E-01	1.08E-04	3.61E-02	6.65E-03	5.10E-01
3861	486863.09	3852877.25	4.61E-01	8.22E-05	3.97E-02	5.16E-03	5.06E-01	4.81E-01	8.40E-01	3.62E+00	1.76E-01	5.11E+00	4.81E-01	9.62E-05	3.97E-02	5.16E-03	5.25E-01
3862	487363.09	3852877.25	4.03E-01	9.36E-05	2.81E-02	5.32E-03	4.37E-01	4.21E-01	9.56E-01	2.56E+00	1.82E-01	4.12E+00	4.20E-01	1.10E-04	2.81E-02	5.32E-03	4.53E-01
3863	487863.09	3852877.25	3.87E-01	7.41E-05	1.67E-02	5.33E-03	4.09E-01	4.04E-01	7.57E-01	1.52E+00	1.82E-01	2.86E+00	4.03E-01	8.67E-05	1.67E-02	5.33E-03	4.25E-01
3864	488363.09	3852877.25	3.73E-01	6.24E-05	2.94E-02	4.71E-03	4.07E-01	3.89E-01	6.37E-01	2.68E+00	1.61E-01	3.86E+00	3.88E-01	7.30E-05	2.94E-02	4.71E-03	4.22E-01
3865	488863.09	3852877.25	3.69E-01	5.42E-05	3.17E-02	4.79E-03	4.06E-01	3.85E-01	5.53E-01	2.89E+00	1.64E-01	3.99E+00	3.84E-01	6.34E-05	3.17E-02	4.79E-03	4.21E-01
3866	489363.09	3852877.25	3.65E-01	4.22E-05	2.54E-02	4.20E-03	3.94E-01	3.81E-01	4.31E-01	2.32E+00	1.44E-01	3.27E+00	3.80E-01	4.94E-05	2.54E-02	4.20E-03	4.10E-01
3867	489863.09	3852877.25	3.47E-01	4.24E-05	2.37E-02	3.86E-03	3.75E-01	3.62E-01	4.33E-01	2.17E+00	1.32E-01	3.09E+00	3.61E-01	4.96E-05	2.37E-02	3.86E-03	3.89E-01
3868	490363.09	3852877.25	3.55E-01	5.33E-05	2.73E-02	5.27E-03	3.88E-01	3.71E-01	5.44E-01	2.49E+00	1.80E-01	3.59E+00	3.70E-01	6.23E-05	2.73E-02	5.27E-03	4.03E-01
3869	490863.09	3852877.25	3.69E-01	5.56E-05	2.34E-02	5.48E-03	3.98E-01	3.86E-01	5.68E-01	2.13E+00	1.87E-01	3.27E+00	3.85E-01	6.50E-05	2.34E-02	5.48E-03	4.14E-01
3870	491363.09	3852877.25	4.05E-01	7.68E-05	2.38E-02	5.64E-03	4.35E-01	4.23E-01	7.84E-01	2.17E+00	1.93E-01	3.57E+00	4.22E-01	8.98E-05	2.38E-02	5.64E-03	4.52E-01
3871	491863.09	3852877.25	4.01E-01	7.38E-05	2.56E-02	5.44E-03	4.32E-01	4.19E-01	7.54E-01	2.33E+00	1.86E-01	3.69E+00	4.18E-01	8.64E-05	2.56E-02	5.44E-03	4.49E-01
3872	492363.09	3852877.25	3.77E-01	6.99E-05	2.76E-02	5.18E-03	4.10E-01	3.94E-01	7.15E-01	2.51E+00	1.77E-01	3.80E+00	3.93E-01	8.18E-05	2.76E-02	5.18E-03	4.26E-01
3873	492863.09	3852877.25	4.06E-01	8.05E-05	3.51E-02	4.98E-03	4.46E-01	4.23E-01	8.23E-01	3.20E+00	1.70E-01	4.62E+00	4.22E-01	9.42E-05	3.51E-02	4.98E-03	4.63E-01
3874	493363.09	3852877.25	4.12E-01	9.32E-05	4.90E-02	4.83E-03	4.66E-01	4.30E-01	9.52E-01	4.47E+00	1.65E-01	6.02E+00	4.30E-01	1.09E-04	4.90E-02	4.83E-03	4.83E-01
3875	493863.09	3852877.25	4.22E-01	7.80E-05	3.34E-02	4.60E-03	4.60E-01	4.40E-01	7.97E-01	3.05E+00	1.57E-01	4.44E+00	4.39E-01	9.13E-05	3.34E-02	4.60E-03	4.77E-01
3876	494363.09	3852877.25	3.97E-01	5.95E-05	2.22E-02	4.28E-03	4.24E-01	4.15E-01	6.08E-01	2.02E+00	1.46E-01	3.19E+00	4.14E-01	6.96E-05	2.22E-02	4.28E-03	4.40E-01
3877	494863.09	3852877.25	4.12E-01	5.40E-05	1.91E-02	4.20E-03	4.35E-01	4.29E-01	5.52E-01	1.74E+00	1.44E-01	2.87E+00	4.29E-01	6.32E-05	1.91E-02	4.20E-03	4.52E-01
3878	495363.09	3852877.25	4.05E-01	5.01E-05	2.00E-02	4.15E-03	4.29E-01	4.22E-01	5.12E-01	1.82E+00	1.42E-01	2.90E+00	4.21E-01	5.86E-05	2.00E-02	4.15E-03	4.46E-01
3879	495863.09	3852877.25	3.50E-01	4.60E-05	1.97E-02	4.03E-03	3.74E-01	3.65E-01	4.70E-01	1.79E+00	1.38E-01	2.77E+00	3.64E-01	5.39E-05	1.97E-02	4.03E-03	3.88E-01
3880	496363.09	3852877.25	3.85E-01	4.40E-05	1.93E-02	3.85E-03	4.08E-01	4.02E-01	4.49E-01	1.76E+00	1.32E-01	2.74E+00	4.01E-01	5.14E-05	1.93E-02	3.85E-03	4.24E-01
3881	496863.09	3852877.25	3.52E-01	4.56E-05	2.25E-02	3.82E-03	3.78E-01	3.67E-01	4.65E-01	2.05E+00	1.31E-01	3.01E+00	3.67E-01	5.33E-05	2.25E-02	3.82E-03	3.93E-01
3882	497363.09	3852877.25	3.23E-01	4.47E-05	2.23E-02	3.79E-03	3.49E-01	3.37E-01	4.57E-01	2.04E+00	1.30E-01	2.96E+00	3.36E-01	5.23E-05	2.23E-02	3.79E-03	3.62E-01
3883	497863.09	3852877.25	2.53E-01	4.24E-05	1.84E-02	3.60E-03	2.75E-01	2.64E-01	4.33E-01	1.68E+00	1.23E-01	2.50E+00	2.63E-01	4.96E-05	1.84E-02	3.60E-03	2.86E-01
3884	498363.09	3852877.25	2.55E-01	4.40E-05	2.00E-02	3.28E-03	2.78E-01	2.66E-01	4.50E-01	1.82E+00	1.12E-01	2.65E+00	2.66E-01	5.15E-05	2.00E-02	3.28E-03	2.89E-01
3885	471363.09	3853377.25	6.79E-01	1.14E-04	1.79E-02	5.27E-03	7.02E-01	7.08E-01	1.16E+00	1.64E+00	1.80E-01	3.69E+00	7.07E-01	1.33E-04	1.79E-02	5.27E-03	7.30E-01
3886	471863.09	3853377.25	9.16E-01	1.10E-04	1.80E-02	5.32E-03	9.39E-01	9.55E-01	1.13E+00	1.64E+00	1.82E-01	3.90E+00	9.54E-01	1.29E-04	1.80E-02	5.32E-03	9.77E-01
3887	472363.09	3853377.25	9.91E-01	1.06E-04	1.74E-02	5.57E-03	1.01E+00	1.03E+00	1.08E+00	1.58E+00	1.90E-01	3.89E+00	1.03E+00	1.24E-04	1.74E-02	5.57E-03	1.06E+00
3888	472863.09	3853377.25	1.07E+00	1.03E-04	1.66E-02	5.77E-03	1.09E+00	1.11E+00	1.05E+00	1.51E+00	1.97E-01	3.87E+00	1.11E+00	1.20E-04	1.66E-02	5.77E-03	1.13E+00
3889	473363.09	3853377.25	1.12E+00	1.06E-04	1.65E-02	5.73E-03	1.14E+00	1.17E+00	1.08E+00	1.51E+00	1.96E-01	3.95E+00	1.17E+00	1.24E-04	1.65E-02	5.73E-03	1.19E+00
3890	473863.09	3853377.25	1.15E+00	1.07E-04	1.67E-02	5.59E-03	1.17E+00	1.20E+00	1.10E+00	1.52E+00	1.91E-01	4.01E+00	1.20E+00	1.25E-04	1.67E-02	5.59E-03	1.22E+00
3891	474363.09	3853377.25	1.19E+00	1.09E-04	1.66E-02	5.39E-03	1.21E+00	1.24E+00	1.11E+00	1.51E+00	1.84E-01	4.05E+00	1.23E+00	1.28E-04	1.66E-02	5.39E-03	1.26E+00
3892	474863.09	3853377.25	1.19E+00	9.97E-05	1.77E-02	5.30E-03	1.22E+00	1.25E+00	1.02E+00	1.61E+00	1.81E-01	4.06E+00	1.24E+00	1.17E-04	1.77E-02	5.30E-03	1.27E+00
3893	475363.09	3853377.25	1.18E+00	9.71E-05	1.99E-02	5.13E-03	1.21E+00	1.24E+00	9.92E-01	1.81E+00	1.75E-01	4.22E+00	1.23E+00	1.14E-04	1.99E-02	5.13E-03	1.26E+00
3894	475863.09	3853377.25	1.14E+00	9.33E-05	2.15E-02	4.86E-03	1.16E+00	1.19E+00	9.53E-01	1.96E+00	1.66E-01	4.27E+00	1.18E+00	1.09E-04	2.15E-02	4.86E-03	1.21E+00
3895	476363.09	3853377.25	1.04E+00	8.50E-05	1.96E-02	4.56E-03	1.07E+00	1.09E+00	8.68E-01	1.79E+00	1.56E-01	3.90E+00	1.09E+00	9.94E-05	1.96E-02	4.56E-03	1.11E+00
3896	476863.09	3853377.25	7.85E-01	7.65E-05	1.47E-02	4.25E-03	8.04E-01	8.19E-01	7.82E-01	1.34E+00	1.45E-01	3.09E+00	8.18E-01	8.96E-05	1.47E-02	4.25E-03	8.37E-01
3897	477363.09	3853377.25	7.05E-01	7.52E-05	1.45E-02	3.88E-03	7.24E-01	7.36E-01	7.68E-01	1.32E+00	1.33E-01	2.96E+00	7.34E-01	8.80E-05	1.45E-02	3.88E-03	7.53E-01
3898	477863.09	3853377.25	6.27E-01	8.75E-05	1.27E-02	3.79E-03	6.44E-01	6.54E-01	8.94E-01	1.16E+00	1.30E-01	2.84E+00	6.53E-01	1.02E-04	1.27E-02	3.79E-03	6.70E-01
3899	478363.09	3853377.25	4.26E-01	9.30E-05	8.18E-03	3.85E-03	4.39E-01	4.45E-01	9.50E-01	7.46E-01	1.32E-01	2.27E+00	4.44E-01	1.09E-04	8.18E-03	3.85E-03	4.56E-01
3900	478863.09	3853377.25	3.51E-01	8.01E-05	7.75E-03	3.77E-03	3.63E-01	3.66E-01	8.18E-01	7.07E-01	1.29E-01	2.02E+00	3.65E-01	9.37E-05	7.75E-03	3.77E-03	3.77E-01

3901	479363.09	3853377.25	5.77E-01	1.40E-04	8.09E-03	5.36E-03	5.90E-01	6.02E-01	1.43E+00	7.37E-01	1.83E-01	2.96E+00	6.01E-01	1.64E-04	8.09E-03	5.36E-03	6.14E-01
3902	479863.09	3853377.25	1.30E+00	1.99E-04	8.57E-03	6.77E-03	1.31E+00	1.35E+00	2.03E+00	7.82E-01	2.32E-01	4.40E+00	1.35E+00	2.33E-04	8.57E-03	6.77E-03	1.37E+00
3903	480363.09	3853377.25	3.06E+00	4.20E-04	9.83E-03	7.97E-03	3.08E+00	3.19E+00	4.29E+00	8.97E-01	2.72E-01	8.65E+00	3.19E+00	4.91E-04	9.83E-03	7.97E-03	3.20E+00
3904	480863.09	3853377.25	3.74E+00	3.69E-04	1.12E-02	8.54E-03	3.76E+00	3.90E+00	3.77E+00	1.03E+00	2.92E-01	8.99E+00	3.90E+00	4.31E-04	1.12E-02	8.54E-03	3.92E+00
3905	481363.09	3853377.25	3.84E+00	6.69E-04	1.22E-02	9.53E-03	3.86E+00	4.00E+00	6.84E+00	1.12E+00	3.26E-01	1.23E+01	3.99E+00	7.83E-04	1.22E-02	9.53E-03	4.02E+00
3906	481863.09	3853377.25	3.79E+00	8.21E-04	1.39E-02	6.81E-03	3.81E+00	3.96E+00	8.38E+00	1.26E+00	2.33E-01	1.38E+01	3.95E+00	9.60E-04	1.39E-02	6.81E-03	3.97E+00
3907	482363.09	3853377.25	4.11E+00	5.93E-04	1.60E-02	8.97E-03	4.14E+00	4.29E+00	6.06E+00	1.46E+00	3.07E-01	1.21E+01	4.28E+00	6.93E-04	1.60E-02	8.97E-03	4.31E+00
3908	482863.09	3853377.25	4.91E+00	5.23E-04	1.69E-02	7.79E-03	4.94E+00	5.12E+00	5.34E+00	1.55E+00	2.66E-01	1.23E+01	5.11E+00	6.12E-04	1.69E-02	7.79E-03	5.14E+00
3909	483363.09	3853377.25	5.69E+00	3.35E-04	1.50E-02	7.34E-03	5.71E+00	5.93E+00	3.42E+00	1.37E+00	2.51E-01	1.10E+01	5.92E+00	3.92E-04	1.50E-02	7.34E-03	5.94E+00
3910	483863.09	3853377.25	4.96E+00	2.61E-04	1.69E-02	8.88E-03	4.98E+00	5.17E+00	2.67E+00	1.54E+00	3.04E-01	9.69E+00	5.16E+00	3.06E-04	1.69E-02	8.88E-03	5.19E+00
3911	484363.09	3853377.25	3.96E+00	2.00E-04	2.36E-02	8.96E-03	3.99E+00	4.13E+00	2.04E+00	2.15E+00	3.07E-01	8.62E+00	4.12E+00	2.34E-04	2.36E-02	8.96E-03	4.15E+00
3912	484863.09	3853377.25	2.32E+00	1.43E-04	2.13E-02	1.03E-02	2.35E+00	2.42E+00	1.46E+00	1.94E+00	3.52E-01	6.17E+00	2.41E+00	1.67E-04	2.13E-02	1.03E-02	2.45E+00
3913	485363.09	3853377.25	1.11E+00	1.00E-04	5.94E-02	1.25E-02	1.18E+00	1.16E+00	1.02E+00	5.42E+00	4.29E-01	8.02E+00	1.15E+00	1.17E-04	5.94E-02	1.25E-02	1.23E+00
3914	485863.09	3853377.25	4.99E-01	9.52E-05	2.15E-02	6.89E-03	5.28E-01	5.21E-01	9.73E-01	1.97E+00	2.36E-01	3.69E+00	5.20E-01	1.11E-04	2.15E-02	6.89E-03	5.48E-01
3915	486363.09	3853377.25	4.89E-01	9.28E-05	2.86E-02	6.35E-03	5.24E-01	5.11E-01	9.48E-01	2.61E+00	2.17E-01	4.28E+00	5.10E-01	1.09E-04	2.86E-02	6.35E-03	5.45E-01
3916	486863.09	3853377.25	4.47E-01	8.09E-05	3.15E-02	6.43E-03	4.85E-01	4.66E-01	8.26E-01	2.87E+00	2.20E-01	4.38E+00	4.65E-01	9.46E-05	3.15E-02	6.43E-03	5.03E-01
3917	487363.09	3853377.25	4.07E-01	9.12E-05	3.76E-02	5.50E-03	4.50E-01	4.24E-01	9.32E-01	3.43E+00	1.88E-01	4.97E+00	4.23E-01	1.07E-04	3.76E-02	5.50E-03	4.67E-01
3918	487863.09	3853377.25	3.98E-01	7.58E-05	1.74E-02	4.92E-03	4.20E-01	4.15E-01	7.74E-01	1.58E+00	1.68E-01	2.94E+00	4.14E-01	8.87E-05	1.74E-02	4.92E-03	4.37E-01
3919	488363.09	3853377.25	4.13E-01	6.91E-05	3.01E-02	5.04E-03	4.48E-01	4.31E-01	7.06E-01	2.75E+00	1.72E-01	4.06E+00	4.30E-01	8.09E-05	3.01E-02	5.04E-03	4.65E-01
3920	488863.09	3853377.25	4.38E-01	5.78E-05	3.20E-02	6.77E-03	4.77E-01	4.57E-01	5.90E-01	2.92E+00	2.32E-01	4.20E+00	4.56E-01	6.76E-05	3.20E-02	6.77E-03	4.95E-01
3921	489363.09	3853377.25	4.42E-01	5.52E-05	3.22E-02	6.77E-03	4.81E-01	4.61E-01	5.64E-01	2.93E+00	2.31E-01	4.19E+00	4.60E-01	6.45E-05	3.22E-02	6.77E-03	4.99E-01
3922	489863.09	3853377.25	4.22E-01	6.20E-05	3.03E-02	6.88E-03	4.59E-01	4.40E-01	6.34E-01	2.77E+00	2.35E-01	4.08E+00	4.39E-01	7.26E-05	3.03E-02	6.88E-03	4.76E-01
3923	490363.09	3853377.25	4.25E-01	7.32E-05	4.00E-02	6.88E-03	4.72E-01	4.43E-01	7.48E-01	3.65E+00	2.35E-01	5.08E+00	4.42E-01	8.56E-05	4.00E-02	6.88E-03	4.89E-01
3924	490863.09	3853377.25	4.26E-01	8.07E-05	3.53E-02	6.19E-03	4.67E-01	4.44E-01	8.25E-01	3.22E+00	2.12E-01	4.70E+00	4.43E-01	9.45E-05	3.53E-02	6.19E-03	4.85E-01
3925	491363.09	3853377.25	4.23E-01	7.89E-05	2.72E-02	5.60E-03	4.56E-01	4.42E-01	8.06E-01	2.48E+00	1.91E-01	3.92E+00	4.41E-01	9.23E-05	2.72E-02	5.60E-03	4.74E-01
3926	491863.09	3853377.25	4.37E-01	7.20E-05	2.95E-02	5.05E-03	4.71E-01	4.56E-01	7.35E-01	2.69E+00	1.73E-01	4.05E+00	4.55E-01	8.42E-05	2.95E-02	5.05E-03	4.89E-01
3927	492363.09	3853377.25	4.76E-01	7.49E-05	3.90E-02	4.64E-03	5.20E-01	4.96E-01	7.65E-01	3.56E+00	1.59E-01	4.98E+00	4.95E-01	8.76E-05	3.90E-02	4.64E-03	5.39E-01
3928	492863.09	3853377.25	5.36E-01	9.30E-05	6.41E-02	5.08E-03	6.05E-01	5.59E-01	9.50E-01	5.85E+00	1.74E-01	7.53E+00	5.58E-01	1.09E-04	6.41E-02	5.08E-03	6.27E-01
3929	493363.09	3853377.25	5.51E-01	8.58E-05	4.35E-02	5.10E-03	5.99E-01	5.74E-01	8.77E-01	3.97E+00	1.75E-01	5.59E+00	5.73E-01	1.00E-04	4.35E-02	5.10E-03	6.22E-01
3930	493863.09	3853377.25	5.39E-01	6.43E-05	3.12E-02	4.88E-03	5.75E-01	5.62E-01	6.57E-01	2.85E+00	1.67E-01	4.23E+00	5.61E-01	7.52E-05	3.12E-02	4.88E-03	5.97E-01
3931	494363.09	3853377.25	5.08E-01	5.76E-05	2.15E-02	4.52E-03	5.34E-01	5.30E-01	5.89E-01	1.96E+00	1.55E-01	3.23E+00	5.29E-01	6.74E-05	2.15E-02	4.52E-03	5.55E-01
3932	494863.09	3853377.25	4.95E-01	5.62E-05	2.67E-02	4.62E-03	5.27E-01	5.17E-01	5.74E-01	2.43E+00	1.58E-01	3.68E+00	5.16E-01	6.57E-05	2.67E-02	4.62E-03	5.47E-01
3933	495363.09	3853377.25	5.08E-01	5.32E-05	2.64E-02	4.61E-03	5.39E-01	5.30E-01	5.43E-01	2.41E+00	1.58E-01	3.64E+00	5.29E-01	6.22E-05	2.64E-02	4.61E-03	5.60E-01
3934	495863.09	3853377.25	5.15E-01	5.40E-05	2.74E-02	4.35E-03	5.47E-01	5.38E-01	5.52E-01	2.50E+00	1.49E-01	3.74E+00	5.36E-01	6.32E-05	2.74E-02	4.35E-03	5.68E-01
3935	496363.09	3853377.25	4.21E-01	4.86E-05	2.99E-02	4.08E-03	4.55E-01	4.40E-01	4.96E-01	2.73E+00	1.39E-01	3.80E+00	4.39E-01	5.69E-05	2.99E-02	4.08E-03	4.73E-01
3936	496863.09	3853377.25	3.59E-01	4.78E-05	2.93E-02	3.89E-03	3.92E-01	3.74E-01	4.89E-01	2.67E+00	1.33E-01	3.67E+00	3.74E-01	5.60E-05	2.93E-02	3.89E-03	4.07E-01
3937	497363.09	3853377.25	2.84E-01	4.80E-05	2.47E-02	3.74E-03	3.13E-01	2.97E-01	4.90E-01	2.25E+00	1.28E-01	3.17E+00	2.96E-01	5.62E-05	2.47E-02	3.74E-03	3.25E-01
3938	497863.09	3853377.25	2.61E-01	5.07E-05	1.61E-02	3.22E-03	2.80E-01	2.72E-01	5.18E-01	1.47E+00	1.10E-01	2.37E+00	2.71E-01	5.93E-05	1.61E-02	3.22E-03	2.91E-01
3939	498363.09	3853377.25	2.53E-01	5.29E-05	1.37E-02	2.46E-03	2.69E-01	2.64E-01	5.40E-01	1.25E+00	8.41E-02	2.13E+00	2.64E-01	6.19E-05	1.37E-02	2.46E-03	2.80E-01
3940	471363.09	3853877.25	6.17E-01	1.30E-04	2.08E-02	5.47E-03	6.43E-01	6.43E-01	1.32E+00	1.90E+00	1.87E-01	4.05E+00	6.42E-01	1.52E-04	2.08E-02	5.47E-03	6.69E-01
3941	471863.09	3853877.25	8.06E-01	1.32E-04	2.32E-02	5.54E-03	8.35E-01	8.41E-01	1.35E+00	2.12E+00	1.90E-01	4.50E+00	8.39E-01	1.54E-04	2.32E-02	5.54E-03	8.68E-01
3942	472363.09	3853877.25	8.52E-01	1.30E-04	2.37E-02	5.60E-03	8.82E-01	8.89E-01	1.33E+00	2.16E+00	1.92E-01	4.57E+00	8.88E-01	1.52E-04	2.37E-02	5.60E-03	9.17E-01
3943	472863.09	3853877.25	9.12E-01	1.27E-04	2.38E-02	5.69E-03	9.41E-01	9.51E-01	1.29E+00	2.17E+00	1.95E-01	4.61E+00	9.49E-01	1.48E-04	2.38E-02	5.69E-03	9.79E-01
3944	473363.09	3853877.25	9.72E-01	1.20E-04	2.25E-02	5.97E-03	1.00E+00	1.01E+00	1.23E+00	2.05E+00	2.04E-01	4.50E+00	1.01E+00	1.41E-04	2.25E-02	5.97E-03	1.04E+00
3945	473863.09	3853877.25	1.02E+00	1.15E-04	2.08E-02	6.24E-03	1.05E+00	1.06E+00	1.17E+00	1.89E+00	2.13E-01	4.34E+00	1.06E+00	1.34E-04	2.08E-02	6.24E-03	1.09E+00
3946	474363.09	3853877.25	1.07E+00	1.09E-04	1.92E-02	6.50E-03	1.09E+00	1.11E+00	1.12E+00	1.75E+00	2.22E-01	4.20E+00	1.11E+00	1.28E-04	1.92E-02	6.50E-03	1.14E+00
3947	474863.09	3853877.25	1.13E+00	1.06E-04	1.82E-02	6.41E-03	1.16E+00	1.18E+00	1.08E+00	1.66E+00	2.19E-01	4.15E+00	1.18E+00	1.24E-04	1.82E-02	6.41E-03	1.21E+00
3948	475363.09	3853877.25	1.14E+00	9.39E-05	1.84E-02	5.69E-03	1.17E+00	1.19E+00	9.59E-01	1.68E+00	1.95E-01	4.02E+00	1.19E+00	1.10E-04	1.84E-02	5.69E-03	1.22E+00
3949	475863.09	3853877.25	9.43E-01	8.15E-05	1.80E-02	5.62E-03	9.66E-01	9.84E-01	8.32E-01	1.64E+00	1.92E-01	3.65E+00	9.82E-01	9.53E-05	1.80E-02	5.62E-03	1.01E+00
3950	476363.09	3853877.25	7.94E-01	6.84E-05	1.82E-02	5.37E-03	8.17E-01	8.28E-01	6.99E-01	1.66E+00	1.84E-01	3.37E+00	8.26E-01	8.00E-05	1.82E-02	5.37E-03	8.50E-01
3951	476863.09	3853877.25	7.17E-01	7.01E-05	1.61E-02	5.15E-03	7.38E-01	7.48E-01	7.16E-01	1.47E+00	1.76E-01	3.11E+00	7.47E-01	8.20E-05	1.61E-02	5.15E-03	7.68E-01
3952	477363.09	3853877.25	7.03E-01	7.05E-05	1.60E-02	4.79E-03	7.24E-01	7.34E-01	7.20E-01	1.45E+00	1.64E-01	3.07E+00	7.32E-01	8.24E-05	1.60E-02	4.79E-03	7.53E-01
3953	477863.09	3853877.25	6.93E-01	7.02E-05	1.50E-02	4.48E-03	7.12E-01	7.23E-01	7.17E-01	1.36E+00	1.53E-01	2.96E+00	7.21E-01	8.21E-05	1.50E-02	4.48E-03	7.41E-01
3954	478363.09	3853877.25	6.52E-01	7.18E-05	1.38E-02	4.30E-03	6.70E-01	6.80E-01	7.33E-01	1.25E+00	1.47E-01	2.81E+00	6.79E-01	8.40E-05	1.38E-02	4.30E-03	6.97E-01
3955	478863.09	3853877.25	5.71E-01	6.67E-05	1.04E-02	4.00E-03	5.86E-01	5.96E-01	6.81E-01	9.52E-01	1.37E-01	2.37E+00	5.95E-01	7.80E-05	1.04E-02	4.00E-03	6.09E-01
3956	479363.09	3853877.25	5.23E-01	9.20E-05	8.88E-03	4.14E-03	5.36E-01	5.46E-01	9.40E-01	8.09E-01	1.42E-01	2.44E+00	5.45E-01	1.08E-04	8.88E-03	4.14E-03	5.58E-01
3957	479863.09	3853877.25	9.55E-01	1.57E-04	9.20E-03	5.11E-03	9.69E-01	9.96E-01	1.61E+00	8.39E-01	1.75E-01	3.62E+00	9.94E-01	1.84E-04	9.20E-03	5.11E-03	1.01E+00
3958	480363.09	3853877.25	1.81E+00	2.21E-04	9.05E-03	6.76E-03	1.83E+00	1.89E+00	2.25E+00	8.26E-01	2.31E-01	5.20E+00	1.89E+00	2.58E-04	9.05E-03	6.76E-03	1.90E+00
3959	480863.09	3853877.25	3.23E+00	4.65E-04	9.68E-03	8.26E-03	3.24E+00	3.37E+00	4.75E+00	8.83E-01	2.82E-01	9.28E+00	3.36E+00	5.44E-04	9.68E-03	8.26E-03	3.38E+00
3960	481363.09	3853877.25	3.32E+00	7.32E-04	1.13E-02	9.35E-03	3.34E+00	3.46E+00	7.48E+00	1.03E+00	3.20E-01	1.23E+01	3.46E+00	8.57E-04	1.13E-02	9.35E-03	3.48E+00
3961	481863.09	3853877.25	3.30E+00	1.25E-03	1.32E-02	1.13E-02	3.32E+00	3.44E+00	1.28E+01	1.20E+00	3.88E-01	1.78E+01	3.43E+00	1.46E-03	1.32E-02	1.13E-02	3.46E+00

3962	482363.09	3853877.25	3.90E+00	8.58E-04	1.46E-02	1.16E-02	3.93E+00	4.07E+00	8.77E+00	1.33E+00	3.98E-01	1.46E+01	4.07E+00	1.00E-03	1.46E-02	1.16E-02	4.09E+00
3963	482863.09	3853877.25	4.54E+00	5.21E-04	1.68E-02	1.12E-02	4.57E+00	4.74E+00	5.32E+00	1.53E+00	3.84E-01	1.20E+01	4.73E+00	6.09E-04	1.68E-02	1.12E-02	4.76E+00
3964	483363.09	3853877.25	5.60E+00	4.19E-04	1.85E-02	8.12E-03	5.62E+00	5.84E+00	4.29E+00	1.69E+00	2.78E-01	1.21E+01	5.83E+00	4.91E-04	1.85E-02	8.12E-03	5.85E+00
3965	483863.09	3853877.25	6.13E+00	3.15E-04	1.65E-02	9.98E-03	6.15E+00	6.39E+00	3.22E+00	1.51E+00	3.41E-01	1.15E+01	6.38E+00	3.69E-04	1.65E-02	9.98E-03	6.41E+00
3966	484363.09	3853877.25	4.84E+00	2.01E-04	2.32E-02	8.90E-03	4.87E+00	5.05E+00	2.06E+00	2.11E+00	3.04E-01	9.52E+00	5.04E+00	2.35E-04	2.32E-02	8.90E-03	5.07E+00
3967	484863.09	3853877.25	2.07E+00	1.21E-04	3.67E-02	1.39E-02	2.12E+00	2.16E+00	1.23E+00	3.35E+00	4.75E-01	7.21E+00	2.15E+00	1.41E-04	3.67E-02	1.39E-02	2.20E+00
3968	485363.09	3853877.25	7.63E-01	9.46E-05	3.09E-02	1.20E-02	8.06E-01	7.96E-01	9.66E-01	2.82E+00	4.09E-01	4.99E+00	7.94E-01	1.11E-04	3.09E-02	1.20E-02	8.37E-01
3969	485863.09	3853877.25	9.00E-01	1.09E-04	5.47E-02	1.10E-02	9.66E-01	9.39E-01	1.12E+00	4.99E+00	3.75E-01	7.42E+00	9.37E-01	1.28E-04	5.47E-02	1.10E-02	1.00E+00
3970	486363.09	3853877.25	6.65E-01	1.08E-04	2.74E-02	9.68E-03	7.02E-01	6.93E-01	1.10E+00	2.50E+00	3.31E-01	4.63E+00	6.92E-01	1.26E-04	2.74E-02	9.68E-03	7.29E-01
3971	486863.09	3853877.25	4.62E-01	7.89E-05	4.08E-02	6.79E-03	5.10E-01	4.82E-01	8.06E-01	3.72E+00	2.32E-01	5.24E+00	4.81E-01	9.23E-05	4.08E-02	6.79E-03	5.29E-01
3972	487363.09	3853877.25	4.44E-01	8.64E-05	5.70E-02	6.57E-03	5.08E-01	4.64E-01	8.82E-01	5.20E+00	2.25E-01	6.77E+00	4.63E-01	1.01E-04	5.70E-02	6.57E-03	5.26E-01
3973	487863.09	3853877.25	6.20E-01	7.92E-05	2.04E-02	9.47E-03	6.50E-01	6.47E-01	8.09E-01	1.86E+00	3.24E-01	3.64E+00	6.45E-01	9.26E-05	2.04E-02	9.47E-03	6.75E-01
3974	488363.09	3853877.25	6.35E-01	7.12E-05	3.33E-02	9.20E-03	6.78E-01	6.63E-01	7.28E-01	3.04E+00	3.15E-01	4.74E+00	6.61E-01	8.33E-05	3.33E-02	9.20E-03	7.04E-01
3975	488863.09	3853877.25	7.54E-01	7.55E-05	3.50E-02	1.16E-02	8.01E-01	7.87E-01	7.72E-01	3.19E+00	3.95E-01	5.15E+00	7.86E-01	8.84E-05	3.50E-02	1.16E-02	8.32E-01
3976	489363.09	3853877.25	5.49E-01	6.82E-05	4.69E-02	9.73E-03	6.06E-01	5.73E-01	6.97E-01	4.28E+00	3.33E-01	5.88E+00	5.72E-01	7.98E-05	4.69E-02	9.73E-03	6.28E-01
3977	489863.09	3853877.25	5.19E-01	7.56E-05	5.96E-02	8.66E-03	5.87E-01	5.42E-01	7.73E-01	5.44E+00	2.96E-01	7.05E+00	5.41E-01	8.85E-05	5.96E-02	8.66E-03	6.09E-01
3978	490363.09	3853877.25	5.25E-01	8.49E-05	7.71E-02	7.13E-03	6.09E-01	5.48E-01	8.67E-01	7.03E+00	2.44E-01	8.69E+00	5.47E-01	9.93E-05	7.71E-02	7.13E-03	6.31E-01
3979	490863.09	3853877.25	5.53E-01	8.22E-05	2.87E-02	5.94E-03	5.88E-01	5.77E-01	8.39E-01	2.61E+00	2.03E-01	4.23E+00	5.76E-01	9.61E-05	2.87E-02	5.94E-03	6.11E-01
3980	491363.09	3853877.25	5.83E-01	7.35E-05	3.12E-02	6.14E-03	6.21E-01	6.09E-01	7.51E-01	2.85E+00	2.10E-01	4.42E+00	6.07E-01	8.60E-05	3.12E-02	6.14E-03	6.45E-01
3981	491863.09	3853877.25	6.02E-01	7.75E-05	5.54E-02	5.89E-03	6.64E-01	6.29E-01	7.92E-01	5.05E+00	2.01E-01	6.67E+00	6.27E-01	9.07E-05	5.54E-02	5.89E-03	6.89E-01
3982	492363.09	3853877.25	6.59E-01	9.58E-05	7.55E-02	6.43E-03	7.41E-01	6.87E-01	9.79E-01	6.89E+00	2.20E-01	8.78E+00	6.86E-01	1.12E-04	7.55E-02	6.43E-03	7.68E-01
3983	492863.09	3853877.25	7.16E-01	9.76E-05	6.09E-02	6.73E-03	7.84E-01	7.47E-01	9.97E-01	5.56E+00	2.30E-01	7.53E+00	7.46E-01	1.14E-04	6.09E-02	6.73E-03	8.13E-01
3984	493363.09	3853877.25	6.65E-01	7.45E-05	4.00E-02	6.65E-03	7.11E-01	6.93E-01	7.62E-01	3.65E+00	2.27E-01	5.33E+00	6.92E-01	8.72E-05	4.00E-02	6.65E-03	7.39E-01
3985	493863.09	3853877.25	6.39E-01	6.67E-05	3.32E-02	6.15E-03	6.79E-01	6.67E-01	6.81E-01	3.03E+00	2.10E-01	4.59E+00	6.66E-01	7.80E-05	3.32E-02	6.15E-03	7.05E-01
3986	494363.09	3853877.25	6.27E-01	6.25E-05	5.20E-02	5.69E-03	6.85E-01	6.55E-01	6.38E-01	4.74E+00	1.95E-01	6.23E+00	6.53E-01	7.31E-05	5.20E-02	5.69E-03	7.11E-01
3987	494863.09	3853877.25	5.88E-01	6.12E-05	4.78E-02	5.16E-03	6.41E-01	6.13E-01	6.26E-01	4.36E+00	1.77E-01	5.77E+00	6.12E-01	7.17E-05	4.78E-02	5.16E-03	6.65E-01
3988	495363.09	3853877.25	5.30E-01	5.64E-05	3.71E-02	4.56E-03	5.71E-01	5.53E-01	5.76E-01	3.38E+00	1.56E-01	4.67E+00	5.52E-01	6.59E-05	3.71E-02	4.56E-03	5.93E-01
3989	495863.09	3853877.25	4.38E-01	5.06E-05	3.44E-02	4.07E-03	4.76E-01	4.57E-01	5.17E-01	3.14E+00	1.39E-01	4.25E+00	4.56E-01	5.92E-05	3.44E-02	4.07E-03	4.94E-01
3990	496363.09	3853877.25	3.68E-01	5.32E-05	3.07E-02	3.87E-03	4.02E-01	3.83E-01	5.44E-01	2.80E+00	1.33E-01	3.86E+00	3.83E-01	6.23E-05	3.07E-02	3.87E-03	4.17E-01
3991	496863.09	3853877.25	3.03E-01	5.34E-05	2.76E-02	3.64E-03	3.35E-01	3.16E-01	5.46E-01	2.52E+00	1.24E-01	3.50E+00	3.16E-01	6.25E-05	2.76E-02	3.64E-03	3.47E-01
3992	497363.09	3853877.25	2.75E-01	5.48E-05	2.29E-02	3.55E-03	3.01E-01	2.87E-01	5.60E-01	2.08E+00	1.21E-01	3.05E+00	2.86E-01	6.42E-05	2.29E-02	3.55E-03	3.13E-01
3993	497863.09	3853877.25	2.44E-01	5.52E-05	2.02E-02	3.16E-03	2.67E-01	2.54E-01	5.64E-01	1.84E+00	1.08E-01	2.77E+00	2.54E-01	6.46E-05	2.02E-02	3.16E-03	2.77E-01
3994	498363.09	3853877.25	2.33E-01	5.60E-05	1.72E-02	3.09E-03	2.53E-01	2.43E-01	5.72E-01	1.56E+00	1.06E-01	2.49E+00	2.42E-01	6.55E-05	1.72E-02	3.09E-03	2.63E-01
3995	471363.09	3854377.25	6.57E-01	1.26E-04	1.73E-02	5.29E-03	6.80E-01	6.86E-01	1.29E+00	1.58E+00	1.81E-01	3.74E+00	6.84E-01	1.48E-04	1.73E-02	5.29E-03	7.07E-01
3996	471863.09	3854377.25	7.29E-01	1.29E-04	2.05E-02	5.40E-03	7.56E-01	7.61E-01	1.31E+00	1.87E+00	1.85E-01	4.13E+00	7.60E-01	1.50E-04	2.05E-02	5.40E-03	7.86E-01
3997	472363.09	3854377.25	7.80E-01	1.31E-04	2.33E-02	5.52E-03	8.09E-01	8.14E-01	1.34E+00	2.12E+00	1.89E-01	4.47E+00	8.12E-01	1.54E-04	2.33E-02	5.52E-03	8.41E-01
3998	472863.09	3854377.25	8.16E-01	1.34E-04	2.54E-02	5.64E-03	8.47E-01	8.51E-01	1.37E+00	2.31E+00	1.93E-01	4.72E+00	8.50E-01	1.57E-04	2.54E-02	5.64E-03	8.81E-01
3999	473363.09	3854377.25	8.68E-01	1.37E-04	2.75E-02	5.77E-03	9.01E-01	9.05E-01	1.40E+00	2.51E+00	1.97E-01	5.01E+00	9.03E-01	1.60E-04	2.75E-02	5.77E-03	9.37E-01
4000	473863.09	3854377.25	9.31E-01	1.38E-04	2.92E-02	5.89E-03	9.66E-01	9.71E-01	1.41E+00	2.66E+00	2.02E-01	5.25E+00	9.69E-01	1.62E-04	2.92E-02	5.89E-03	1.00E+00
4001	474363.09	3854377.25	9.88E-01	1.36E-04	2.97E-02	6.03E-03	1.02E+00	1.03E+00	1.39E+00	2.70E+00	2.06E-01	5.34E+00	1.03E+00	1.60E-04	2.97E-02	6.03E-03	1.07E+00
4002	474863.09	3854377.25	9.41E-01	1.28E-04	2.61E-02	6.06E-03	9.73E-01	9.82E-01	1.31E+00	2.38E+00	2.07E-01	4.87E+00	9.80E-01	1.50E-04	2.61E-02	6.06E-03	1.01E+00
4003	475363.09	3854377.25	6.48E-01	1.14E-04	2.31E-02	6.17E-03	6.77E-01	6.76E-01	1.17E+00	2.10E+00	2.11E-01	4.16E+00	6.74E-01	1.33E-04	2.31E-02	6.17E-03	7.04E-01
4004	475863.09	3854377.25	5.04E-01	1.05E-04	2.00E-02	6.20E-03	5.31E-01	5.26E-01	1.07E+00	1.83E+00	2.12E-01	3.63E+00	5.25E-01	1.23E-04	2.00E-02	6.20E-03	5.52E-01
4005	476363.09	3854377.25	5.66E-01	9.40E-05	1.98E-02	6.26E-03	5.92E-01	5.91E-01	9.60E-01	1.80E+00	2.14E-01	3.57E+00	5.90E-01	1.10E-04	1.98E-02	6.26E-03	6.16E-01
4006	476863.09	3854377.25	6.25E-01	8.30E-05	1.91E-02	6.26E-03	6.51E-01	6.52E-01	8.48E-01	1.75E+00	2.14E-01	3.46E+00	6.51E-01	9.71E-05	1.91E-02	6.26E-03	6.77E-01
4007	477363.09	3854377.25	6.88E-01	7.46E-05	1.84E-02	6.23E-03	7.13E-01	7.18E-01	7.62E-01	1.68E+00	2.13E-01	3.37E+00	7.16E-01	8.72E-05	1.84E-02	6.23E-03	7.41E-01
4008	477863.09	3854377.25	7.35E-01	7.47E-05	1.82E-02	6.07E-03	7.59E-01	7.67E-01	7.63E-01	1.66E+00	2.07E-01	3.40E+00	7.65E-01	8.73E-05	1.82E-02	6.07E-03	7.90E-01
4009	478363.09	3854377.25	7.62E-01	7.76E-05	1.75E-02	5.68E-03	7.86E-01	7.95E-01	7.93E-01	1.60E+00	1.94E-01	3.38E+00	7.94E-01	9.08E-05	1.75E-02	5.68E-03	8.17E-01
4010	478863.09	3854377.25	7.70E-01	7.14E-05	1.70E-02	5.17E-03	7.92E-01	8.03E-01	7.29E-01	1.55E+00	1.77E-01	3.26E+00	8.02E-01	8.35E-05	1.70E-02	5.17E-03	8.24E-01
4011	479363.09	3854377.25	9.10E-01	8.92E-05	1.68E-02	4.91E-03	9.32E-01	9.50E-01	9.11E-01	1.53E+00	1.68E-01	3.56E+00	9.48E-01	1.04E-04	1.68E-02	4.91E-03	9.70E-01
4012	479863.09	3854377.25	1.30E+00	1.27E-04	1.91E-02	4.92E-03	1.33E+00	1.36E+00	1.30E+00	1.74E+00	1.68E-01	4.57E+00	1.36E+00	1.49E-04	1.91E-02	4.92E-03	1.38E+00
4013	480363.09	3854377.25	1.39E+00	1.76E-04	1.78E-02	6.18E-03	1.41E+00	1.45E+00	1.80E+00	1.62E+00	2.11E-01	5.07E+00	1.44E+00	2.06E-04	1.78E-02	6.18E-03	1.47E+00
4014	480863.09	3854377.25	2.34E+00	2.64E-04	1.27E-02	7.84E-03	2.36E+00	2.44E+00	2.70E+00	1.15E+00	2.68E-01	6.56E+00	2.43E+00	3.09E-04	1.27E-02	7.84E-03	2.45E+00
4015	481363.09	3854377.25	3.24E+00	5.01E-04	1.03E-02	8.58E-03	3.26E+00	3.38E+00	5.12E+00	9.39E-01	2.94E-01	9.74E+00	3.38E+00	5.87E-04	1.03E-02	8.58E-03	3.40E+00
4016	481863.09	3854377.25	3.35E+00	1.44E-03	1.12E-02	1.01E-02	3.37E+00	3.49E+00	1.47E+01	1.03E+00	3.45E-01	1.95E+01	3.49E+00	1.68E-03	1.12E-02	1.01E-02	3.51E+00
4017	482363.09	3854377.25	3.12E+00	1.45E-03	1.37E-02	1.38E-02	3.15E+00	3.25E+00	1.48E+01	1.25E+00	4.71E-01	1.98E+01	3.25E+00	1.69E-03	1.37E-02	1.38E-02	3.28E+00
4018	482863.09	3854377.25	4.13E+00	8.14E-04	1.51E-02	1.69E-02	4.16E+00	4.31E+00	8.32E+00	1.38E+00	5.78E-01	1.46E+01	4.30E+00	9.53E-04	1.51E-02	1.69E-02	4.33E+00
4019	483363.09	3854377.25	5.41E+00	4.33E-04	1.75E-02	1.27E-02	5.44E+00	5.65E+00	4.42E+00	1.60E+00	4.36E-01	1.21E+01	5.63E+00	5.06E-04	1.75E-02	1.27E-02	5.67E+00
4020	483863.09	3854377.25	7.37E+00	2.70E-04	2.03E-02	1.39E-02	7.40E+00	7.69E+00	2.76E+00	1.85E+00	4.76E-01	1.28E+01	7.67E+00	3.16E-04	2.03E-02	1.39E-02	7.71E+00
4021	484363.09	3854377.25	4.94E+00	1.68E-04	1.84E-02	1.71E-02	4.98E+00	5.16E+00	1.72E+00	1.68E+00	5.86E-01	9.13E+00	5.15E+00	1.96E-04	1.84E-02	1.71E-02	5.18E+00
4022	484863.09	3854377.25	1.47E+00	1.07E-04	4.29E-02	1.46E-02	1.53E+00	1.54E+00	1.09E+00	3.91E+00	5.00E-01	7.04E+00	1.53E+00	1.25E-04	4.29E-02	1.46E-02	1.59E+00

4023	485363.09	3854377.25	1.52E+00	1.25E-04	3.51E-02	1.17E-02	1.56E+00	1.58E+00	1.27E+00	3.20E+00	4.00E-01	6.46E+00	1.58E+00	1.46E-04	3.51E-02	1.17E-02	1.63E+00
4024	485863.09	3854377.25	1.04E+00	1.10E-04	6.09E-02	1.71E-02	1.11E+00	1.08E+00	1.12E+00	5.55E+00	5.84E-01	8.34E+00	1.08E+00	1.29E-04	6.09E-02	1.71E-02	1.16E+00
4025	486363.09	3854377.25	9.26E-01	1.22E-04	3.86E-02	1.10E-02	9.76E-01	9.66E-01	1.25E+00	3.52E+00	3.77E-01	6.11E+00	9.64E-01	1.43E-04	3.86E-02	1.10E-02	1.01E+00
4026	486863.09	3854377.25	7.47E-01	8.54E-05	5.02E-02	1.60E-02	8.13E-01	7.79E-01	8.72E-01	4.57E+00	5.47E-01	6.77E+00	7.78E-01	9.99E-05	5.02E-02	1.60E-02	8.44E-01
4027	487363.09	3854377.25	7.60E-01	9.63E-05	8.94E-02	1.54E-02	8.65E-01	7.93E-01	9.83E-01	8.15E+00	5.26E-01	1.05E+01	7.91E-01	1.13E-04	8.94E-02	1.54E-02	8.96E-01
4028	487863.09	3854377.25	8.16E-01	9.24E-05	2.70E-02	1.83E-02	8.61E-01	8.51E-01	9.44E-01	2.46E+00	6.25E-01	4.88E+00	8.49E-01	1.08E-04	2.70E-02	1.83E-02	8.95E-01
4029	488363.09	3854377.25	8.97E-01	9.28E-05	3.62E-02	1.81E-02	9.51E-01	9.35E-01	9.49E-01	3.30E+00	6.18E-01	5.80E+00	9.34E-01	1.09E-04	3.62E-02	1.81E-02	9.88E-01
4030	488863.09	3854377.25	9.39E-01	9.10E-05	3.83E-02	1.52E-02	9.92E-01	9.79E-01	9.30E-01	3.49E+00	5.21E-01	5.92E+00	9.77E-01	1.06E-04	3.83E-02	1.52E-02	1.03E+00
4031	489363.09	3854377.25	9.05E-01	8.21E-05	6.15E-02	1.27E-02	9.80E-01	9.45E-01	8.38E-01	5.61E+00	4.34E-01	7.83E+00	9.43E-01	9.60E-05	6.15E-02	1.27E-02	1.02E+00
4032	489863.09	3854377.25	8.91E-01	9.16E-05	9.96E-02	1.13E-02	1.00E+00	9.30E-01	9.36E-01	9.09E+00	3.86E-01	1.13E+01	9.28E-01	1.07E-04	9.96E-02	1.13E-02	1.04E+00
4033	490363.09	3854377.25	8.48E-01	8.55E-05	6.32E-02	8.58E-03	9.20E-01	8.85E-01	8.73E-01	5.77E+00	2.93E-01	7.82E+00	8.83E-01	1.00E-04	6.32E-02	8.58E-03	9.55E-01
4034	490863.09	3854377.25	5.92E-01	7.35E-05	3.31E-02	8.95E-03	6.34E-01	6.18E-01	7.51E-01	3.02E+00	3.06E-01	4.70E+00	6.16E-01	8.60E-05	3.31E-02	8.95E-03	6.58E-01
4035	491363.09	3854377.25	7.34E-01	8.11E-05	7.03E-02	9.00E-03	8.14E-01	7.66E-01	8.29E-01	6.41E+00	3.08E-01	8.32E+00	7.65E-01	9.49E-05	7.03E-02	9.00E-03	8.44E-01
4036	491863.09	3854377.25	8.67E-01	9.70E-05	9.28E-02	9.57E-03	9.70E-01	9.05E-01	9.91E-01	8.47E+00	3.27E-01	1.07E+01	9.03E-01	1.14E-04	9.28E-02	9.57E-03	1.01E+00
4037	492363.09	3854377.25	8.90E-01	1.13E-04	7.30E-02	9.90E-03	9.73E-01	9.28E-01	1.15E+00	6.66E+00	3.38E-01	9.08E+00	9.27E-01	1.32E-04	7.30E-02	9.90E-03	1.01E+00
4038	492863.09	3854377.25	8.59E-01	9.85E-05	4.53E-02	9.22E-03	9.13E-01	8.96E-01	1.01E+00	4.13E+00	3.15E-01	6.35E+00	8.94E-01	1.15E-04	4.53E-02	9.22E-03	9.49E-01
4039	493363.09	3854377.25	7.98E-01	9.45E-05	6.38E-02	7.96E-03	8.70E-01	8.33E-01	9.66E-01	5.82E+00	2.72E-01	7.89E+00	8.31E-01	1.11E-04	6.38E-02	7.96E-03	9.03E-01
4040	493863.09	3854377.25	7.33E-01	7.75E-05	9.53E-02	7.52E-03	8.36E-01	7.65E-01	7.92E-01	8.69E+00	2.57E-01	1.05E+01	7.63E-01	9.07E-05	9.53E-02	7.52E-03	8.66E-01
4041	494363.09	3854377.25	6.73E-01	7.63E-05	7.49E-02	6.13E-03	7.55E-01	7.03E-01	7.79E-01	6.83E+00	2.10E-01	8.52E+00	7.01E-01	8.92E-05	7.49E-02	6.13E-03	7.82E-01
4042	494863.09	3854377.25	5.40E-01	6.53E-05	4.76E-02	4.35E-03	5.92E-01	5.64E-01	6.67E-01	4.34E+00	1.49E-01	5.72E+00	5.63E-01	7.64E-05	4.76E-02	4.35E-03	6.15E-01
4043	495363.09	3854377.25	3.77E-01	5.59E-05	3.48E-02	3.87E-03	4.16E-01	3.94E-01	5.71E-01	3.18E+00	1.32E-01	4.27E+00	3.93E-01	6.54E-05	3.48E-02	3.87E-03	4.32E-01
4044	495863.09	3854377.25	3.52E-01	5.58E-05	3.08E-02	3.70E-03	3.87E-01	3.68E-01	5.70E-01	2.81E+00	1.27E-01	3.87E+00	3.67E-01	6.53E-05	3.08E-02	3.70E-03	4.01E-01
4045	496363.09	3854377.25	3.23E-01	5.60E-05	2.74E-02	3.49E-03	3.54E-01	3.37E-01	5.73E-01	2.50E+00	1.19E-01	3.53E+00	3.36E-01	6.56E-05	2.74E-02	3.49E-03	3.67E-01
4046	496863.09	3854377.25	3.05E-01	5.53E-05	2.18E-02	3.50E-03	3.31E-01	3.18E-01	5.65E-01	1.99E+00	1.20E-01	3.00E+00	3.18E-01	6.47E-05	2.18E-02	3.50E-03	3.43E-01
4047	497363.09	3854377.25	2.64E-01	5.56E-05	2.12E-02	3.30E-03	2.89E-01	2.75E-01	5.68E-01	1.93E+00	1.13E-01	2.89E+00	2.75E-01	6.51E-05	2.12E-02	3.30E-03	2.99E-01
4048	497863.09	3854377.25	2.58E-01	5.70E-05	2.10E-02	3.37E-03	2.83E-01	2.69E-01	5.83E-01	1.92E+00	1.15E-01	2.89E+00	2.69E-01	6.67E-05	2.10E-02	3.37E-03	2.93E-01
4049	498363.09	3854377.25	2.54E-01	5.77E-05	2.07E-02	3.37E-03	2.78E-01	2.65E-01	5.89E-01	1.89E+00	1.15E-01	2.86E+00	2.65E-01	6.75E-05	2.07E-02	3.37E-03	2.89E-01
4050	471363.09	3854877.25	6.56E-01	1.33E-04	1.54E-02	5.17E-03	6.77E-01	6.85E-01	1.36E+00	1.41E+00	1.77E-01	3.63E+00	6.83E-01	1.55E-04	1.54E-02	5.17E-03	7.04E-01
4051	471863.09	3854877.25	7.09E-01	1.33E-04	1.60E-02	5.43E-03	7.30E-01	7.39E-01	1.36E+00	1.46E+00	1.86E-01	3.74E+00	7.38E-01	1.56E-04	1.60E-02	5.43E-03	7.59E-01
4052	472363.09	3854877.25	7.45E-01	1.31E-04	1.63E-02	5.72E-03	7.67E-01	7.77E-01	1.34E+00	1.49E+00	1.96E-01	3.80E+00	7.75E-01	1.53E-04	1.63E-02	5.72E-03	7.98E-01
4053	472863.09	3854877.25	7.40E-01	1.30E-04	1.74E-02	5.76E-03	7.63E-01	7.72E-01	1.33E+00	1.59E+00	1.97E-01	3.88E+00	7.71E-01	1.52E-04	1.74E-02	5.76E-03	7.94E-01
4054	473363.09	3854877.25	8.05E-01	1.31E-04	2.06E-02	6.23E-03	8.32E-01	8.40E-01	1.34E+00	1.88E+00	2.13E-01	4.27E+00	8.38E-01	1.53E-04	2.06E-02	6.23E-03	8.65E-01
4055	473863.09	3854877.25	8.59E-01	1.32E-04	2.44E-02	6.64E-03	8.90E-01	8.96E-01	1.35E+00	2.23E+00	2.27E-01	4.71E+00	8.95E-01	1.55E-04	2.44E-02	6.64E-03	9.26E-01
4056	474363.09	3854877.25	9.34E-01	1.53E-04	2.90E-02	7.21E-03	9.71E-01	9.75E-01	1.56E+00	2.64E+00	2.46E-01	5.43E+00	9.73E-01	1.79E-04	2.90E-02	7.21E-03	1.01E+00
4057	474863.09	3854877.25	7.33E-01	1.30E-04	3.09E-02	6.41E-03	7.70E-01	7.65E-01	1.33E+00	2.82E+00	2.19E-01	5.14E+00	7.63E-01	1.52E-04	3.09E-02	6.41E-03	8.01E-01
4058	475363.09	3854877.25	4.23E-01	1.27E-04	2.40E-02	5.95E-03	4.53E-01	4.42E-01	1.30E+00	2.19E+00	2.04E-01	4.13E+00	4.41E-01	1.49E-04	2.40E-02	5.95E-03	4.71E-01
4059	475863.09	3854877.25	3.41E-01	1.30E-04	2.19E-02	6.20E-03	3.69E-01	3.56E-01	1.33E+00	2.00E+00	2.12E-01	3.89E+00	3.55E-01	1.52E-04	2.19E-02	6.20E-03	3.83E-01
4060	476363.09	3854877.25	3.26E-01	1.30E-04	2.27E-02	6.25E-03	3.55E-01	3.40E-01	1.33E+00	2.07E+00	2.14E-01	3.95E+00	3.39E-01	1.52E-04	2.27E-02	6.25E-03	3.68E-01
4061	476863.09	3854877.25	3.55E-01	1.26E-04	2.32E-02	6.49E-03	3.85E-01	3.71E-01	1.29E+00	2.12E+00	2.22E-01	3.99E+00	3.70E-01	1.47E-04	2.32E-02	6.49E-03	4.00E-01
4062	477363.09	3854877.25	4.07E-01	1.18E-04	2.31E-02	6.68E-03	4.37E-01	4.25E-01	1.20E+00	2.11E+00	2.29E-01	3.96E+00	4.24E-01	1.38E-04	2.31E-02	6.68E-03	4.54E-01
4063	477863.09	3854877.25	4.86E-01	1.06E-04	2.27E-02	6.82E-03	5.15E-01	5.07E-01	1.09E+00	2.07E+00	2.33E-01	3.90E+00	5.06E-01	1.24E-04	2.27E-02	6.82E-03	5.35E-01
4064	478363.09	3854877.25	5.76E-01	9.36E-05	2.16E-02	6.92E-03	6.05E-01	6.02E-01	9.56E-01	1.97E+00	2.37E-01	3.77E+00	6.00E-01	1.10E-04	2.16E-02	6.92E-03	6.29E-01
4065	478863.09	3854877.25	6.93E-01	8.98E-05	2.23E-02	6.65E-03	7.22E-01	7.23E-01	9.17E-01	2.04E+00	2.27E-01	3.90E+00	7.21E-01	1.05E-04	2.23E-02	6.65E-03	7.50E-01
4066	479363.09	3854877.25	1.17E+00	1.04E-04	2.41E-02	6.41E-03	1.20E+00	1.22E+00	1.07E+00	2.20E+00	2.19E-01	4.70E+00	1.22E+00	1.22E-04	2.41E-02	6.41E-03	1.25E+00
4067	479863.09	3854877.25	1.39E+00	1.41E-04	3.05E-02	8.01E-03	1.43E+00	1.45E+00	1.44E+00	2.79E+00	2.74E-01	5.94E+00	1.44E+00	1.65E-04	3.05E-02	8.01E-03	1.48E+00
4068	480363.09	3854877.25	1.85E+00	1.91E-04	2.89E-02	1.03E-02	1.88E+00	1.93E+00	1.95E+00	2.63E+00	3.52E-01	6.86E+00	1.92E+00	2.23E-04	2.89E-02	1.03E-02	1.96E+00
4069	480863.09	3854877.25	2.39E+00	3.39E-04	2.57E-02	1.06E-02	2.43E+00	2.50E+00	3.46E+00	2.34E+00	3.62E-01	8.66E+00	2.49E+00	3.96E-04	2.57E-02	1.06E-02	2.53E+00
4070	481363.09	3854877.25	2.80E+00	4.43E-04	2.18E-02	8.74E-03	2.84E+00	2.93E+00	4.52E+00	1.99E+00	2.99E-01	9.73E+00	2.92E+00	5.18E-04	2.18E-02	8.74E-03	2.95E+00
4071	481863.09	3854877.25	2.94E+00	3.69E-04	1.46E-02	1.11E-02	2.97E+00	3.07E+00	3.77E+00	1.33E+00	3.79E-01	8.56E+00	3.07E+00	4.32E-04	1.46E-02	1.11E-02	3.09E+00
4072	482363.09	3854877.25	3.50E+00	1.78E-03	1.20E-02	1.16E-02	3.52E+00	3.65E+00	1.81E+01	1.09E+00	3.97E-01	2.33E+01	3.64E+00	2.08E-03	1.20E-02	1.16E-02	3.67E+00
4073	482863.09	3854877.25	3.76E+00	1.39E-03	1.32E-02	1.60E-02	3.79E+00	3.92E+00	1.42E+01	1.20E+00	5.46E-01	1.99E+01	3.92E+00	1.63E-03	1.32E-02	1.60E-02	3.95E+00
4074	483363.09	3854877.25	3.76E+00	9.25E-04	1.61E-02	1.50E-02	3.79E+00	3.92E+00	9.45E+00	1.46E+00	5.12E-01	1.54E+01	3.92E+00	1.08E-03	1.61E-02	1.50E-02	3.95E+00
4075	483863.09	3854877.25	7.79E+00	4.42E-04	1.89E-02	1.86E-02	7.83E+00	8.13E+00	4.52E+00	1.72E+00	6.35E-01	1.50E+01	8.11E+00	5.18E-04	1.89E-02	1.86E-02	8.15E+00
4076	484363.09	3854877.25	8.52E+00	2.13E-04	2.21E-02	1.88E-02	8.57E+00	8.89E+00	2.18E+00	2.01E+00	6.44E-01	1.37E+01	8.88E+00	2.50E-04	2.21E-02	1.88E-02	8.92E+00
4077	484863.09	3854877.25	5.63E+00	1.91E-04	2.07E-02	1.45E-02	5.66E+00	5.87E+00	1.95E+00	1.89E+00	4.96E-01	1.02E+01	5.86E+00	2.24E-04	2.07E-02	1.45E-02	5.90E+00
4078	485363.09	3854877.25	3.34E+00	1.46E-04	4.51E-02	2.74E-02	3.41E+00	3.49E+00	1.50E+00	4.11E+00	9.36E-01	1.00E+01	3.48E+00	1.71E-04	4.51E-02	2.74E-02	3.55E+00
4079	485863.09	3854877.25	1.73E+00	1.36E-04	3.58E-02	2.51E-02	1.79E+00	1.81E+00	1.39E+00	3.26E+00	8.58E-01	7.32E+00	1.81E+00	1.59E-04	3.58E-02	2.51E-02	1.87E+00
4080	486363.09	3854877.25	1.13E+00	1.28E-04	7.48E-02	2.70E-02	1.23E+00	1.18E+00	1.31E+00	6.82E+00	9.23E-01	1.02E+01	1.18E+00	1.50E-04	7.48E-02	2.70E-02	1.28E+00
4081	486863.09	3854877.25	8.71E-01	1.16E-04	3.84E-02	2.86E-02	9.38E-01	9.09E-01	1.19E+00	3.50E+00	9.79E-01	6.58E+00	9.07E-01	1.36E-04	3.84E-02	2.86E-02	9.74E-01
4082	487363.09	3854877.25	9.52E-01	1.07E-04	1.03E-01	2.48E-02	1.08E+00	9.93E-01	1.10E+00	9.38E+00	8.47E-01	1.23E+01	9.91E-01	1.26E-04	1.03E-01	2.48E-02	1.12E+00
4083	487863.09	3854877.25	1.12E+00	1.04E-04	3.60E-02	1.84E-02	1.17E+00	1.17E+00	1.06E+00	3.29E+00	6.28E-01	6.14E+00	1.17E+00	1.21E-04	3.60E-02	1.84E-02	1.22E+00

4084	488363.09	3854877.25	1.30E+00	1.09E-04	3.94E-02	1.70E-02	1.35E+00	1.35E+00	1.11E+00	3.60E+00	5.81E-01	6.64E+00	1.35E+00	1.27E-04	3.94E-02	1.70E-02	1.41E+00
4085	488863.09	3854877.25	1.46E+00	9.69E-05	4.28E-02	1.42E-02	1.51E+00	1.52E+00	9.90E-01	3.90E+00	4.85E-01	6.89E+00	1.52E+00	1.13E-04	4.28E-02	1.42E-02	1.57E+00
4086	489363.09	3854877.25	1.44E+00	9.97E-05	7.41E-02	1.27E-02	1.53E+00	1.51E+00	1.02E+00	6.76E+00	4.36E-01	9.72E+00	1.50E+00	1.17E-04	7.41E-02	1.27E-02	1.59E+00
4087	489863.09	3854877.25	1.27E+00	1.01E-04	1.27E-01	1.32E-02	1.41E+00	1.33E+00	1.03E+00	1.16E+01	4.51E-01	1.44E+01	1.33E+00	1.18E-04	1.27E-01	1.32E-02	1.47E+00
4088	490363.09	3854877.25	7.71E-01	8.37E-05	3.55E-02	9.76E-03	8.16E-01	8.04E-01	8.55E-01	3.24E+00	3.34E-01	5.23E+00	8.03E-01	9.79E-05	3.55E-02	9.76E-03	8.48E-01
4089	490863.09	3854877.25	5.94E-01	7.87E-05	4.12E-02	6.34E-03	6.42E-01	6.20E-01	8.04E-01	3.76E+00	2.17E-01	5.40E+00	6.19E-01	9.20E-05	4.12E-02	6.34E-03	6.66E-01
4090	491363.09	3854877.25	6.05E-01	9.05E-05	6.83E-02	6.10E-03	6.80E-01	6.31E-01	9.24E-01	6.23E+00	2.09E-01	7.99E+00	6.30E-01	1.06E-04	6.83E-02	6.10E-03	7.05E-01
4091	491863.09	3854877.25	1.16E+00	1.22E-04	7.60E-02	1.00E-02	1.25E+00	1.21E+00	1.25E+00	6.93E+00	3.44E-01	9.73E+00	1.21E+00	1.43E-04	7.60E-02	1.00E-02	1.30E+00
4092	492363.09	3854877.25	1.20E+00	1.11E-04	5.46E-02	1.00E-02	1.26E+00	1.25E+00	1.14E+00	4.98E+00	3.44E-01	7.71E+00	1.25E+00	1.30E-04	5.46E-02	1.00E-02	1.31E+00
4093	492863.09	3854877.25	1.14E+00	9.86E-05	1.16E-01	1.05E-02	1.27E+00	1.19E+00	1.01E+00	1.06E+01	3.61E-01	1.32E+01	1.19E+00	1.15E-04	1.16E-01	1.05E-02	1.32E+00
4094	493363.09	3854877.25	1.05E+00	9.62E-05	1.33E-01	1.02E-02	1.19E+00	1.10E+00	9.83E-01	1.21E+01	3.50E-01	1.45E+01	1.09E+00	1.13E-04	1.33E-01	1.02E-02	1.24E+00
4095	493863.09	3854877.25	9.83E-01	1.00E-04	8.71E-02	8.34E-03	1.08E+00	1.03E+00	1.02E+00	7.94E+00	2.85E-01	1.03E+01	1.02E+00	1.17E-04	8.71E-02	8.34E-03	1.12E+00
4096	494363.09	3854877.25	5.99E-01	6.82E-05	6.60E-02	5.87E-03	6.71E-01	6.25E-01	6.97E-01	6.02E+00	2.01E-01	7.54E+00	6.24E-01	7.98E-05	6.60E-02	5.87E-03	6.96E-01
4097	494863.09	3854877.25	4.71E-01	6.66E-05	3.89E-02	4.26E-03	5.14E-01	4.91E-01	6.81E-01	3.55E+00	1.46E-01	4.87E+00	4.91E-01	7.79E-05	3.89E-02	4.26E-03	5.34E-01
4098	495363.09	3854877.25	4.47E-01	6.13E-05	2.95E-02	3.92E-03	4.80E-01	4.66E-01	6.26E-01	2.69E+00	1.34E-01	3.92E+00	4.65E-01	7.17E-05	2.95E-02	3.92E-03	4.99E-01
4099	495863.09	3854877.25	4.08E-01	5.96E-05	2.39E-02	3.86E-03	4.35E-01	4.25E-01	6.09E-01	2.18E+00	1.32E-01	3.35E+00	4.24E-01	6.98E-05	2.39E-02	3.86E-03	4.52E-01
4100	496363.09	3854877.25	3.35E-01	6.03E-05	2.36E-02	3.69E-03	3.62E-01	3.49E-01	6.16E-01	2.15E+00	1.26E-01	3.25E+00	3.49E-01	7.06E-05	2.36E-02	3.69E-03	3.76E-01
4101	496863.09	3854877.25	3.31E-01	6.26E-05	2.32E-02	3.67E-03	3.58E-01	3.45E-01	6.39E-01	2.11E+00	1.26E-01	3.22E+00	3.45E-01	7.32E-05	2.32E-02	3.67E-03	3.72E-01
4102	497363.09	3854877.25	3.30E-01	6.39E-05	2.22E-02	3.43E-03	3.56E-01	3.45E-01	6.53E-01	2.03E+00	1.17E-01	3.14E+00	3.44E-01	7.48E-05	2.22E-02	3.43E-03	3.70E-01
4103	497863.09	3854877.25	3.33E-01	6.30E-05	2.25E-02	3.71E-03	3.59E-01	3.48E-01	6.43E-01	2.05E+00	1.27E-01	3.17E+00	3.47E-01	7.37E-05	2.25E-02	3.71E-03	3.73E-01
4104	498363.09	3854877.25	3.36E-01	6.09E-05	2.13E-02	3.64E-03	3.60E-01	3.50E-01	6.23E-01	1.94E+00	1.25E-01	3.04E+00	3.49E-01	7.13E-05	2.13E-02	3.64E-03	3.74E-01
4105	471363.09	3855377.25	6.41E-01	1.23E-04	1.92E-02	5.01E-03	6.66E-01	6.69E-01	1.26E+00	1.75E+00	1.71E-01	3.85E+00	6.68E-01	1.44E-04	1.92E-02	5.01E-03	6.92E-01
4106	471863.09	3855377.25	6.52E-01	1.28E-04	1.95E-02	5.14E-03	6.77E-01	6.80E-01	1.30E+00	1.78E+00	1.76E-01	3.94E+00	6.79E-01	1.49E-04	1.95E-02	5.14E-03	7.04E-01
4107	472363.09	3855377.25	6.94E-01	1.33E-04	2.08E-02	5.31E-03	7.20E-01	7.24E-01	1.36E+00	1.90E+00	1.82E-01	4.17E+00	7.22E-01	1.56E-04	2.08E-02	5.31E-03	7.49E-01
4108	472863.09	3855377.25	7.02E-01	1.36E-04	2.07E-02	5.37E-03	7.28E-01	7.32E-01	1.39E+00	1.89E+00	1.84E-01	4.20E+00	7.31E-01	1.59E-04	2.07E-02	5.37E-03	7.57E-01
4109	473363.09	3855377.25	7.74E-01	1.57E-04	2.19E-02	5.77E-03	8.02E-01	8.08E-01	1.60E+00	2.00E+00	1.97E-01	4.60E+00	8.06E-01	1.83E-04	2.19E-02	5.77E-03	8.34E-01
4110	473863.09	3855377.25	8.29E-01	1.57E-04	2.21E-02	6.26E-03	8.58E-01	8.65E-01	1.61E+00	2.02E+00	2.14E-01	4.70E+00	8.63E-01	1.84E-04	2.21E-02	6.26E-03	8.92E-01
4111	474363.09	3855377.25	8.72E-01	1.57E-04	2.90E-02	9.03E-03	9.10E-01	9.10E-01	1.60E+00	2.65E+00	3.09E-01	5.47E+00	9.08E-01	1.83E-04	2.90E-02	9.03E-03	9.47E-01
4112	474863.09	3855377.25	6.72E-01	1.28E-04	2.26E-02	6.42E-03	7.01E-01	7.01E-01	1.31E+00	2.06E+00	2.19E-01	4.29E+00	7.00E-01	1.50E-04	2.26E-02	6.42E-03	7.29E-01
4113	475363.09	3855377.25	3.02E-01	1.16E-04	2.03E-02	5.81E-03	3.28E-01	3.15E-01	1.19E+00	1.85E+00	1.99E-01	3.55E+00	3.14E-01	1.36E-04	2.03E-02	5.81E-03	3.41E-01
4114	475863.09	3855377.25	2.48E-01	1.15E-04	1.97E-02	5.95E-03	2.74E-01	2.59E-01	1.17E+00	1.80E+00	2.03E-01	3.43E+00	2.59E-01	1.34E-04	1.97E-02	5.95E-03	2.84E-01
4115	476363.09	3855377.25	2.56E-01	1.17E-04	2.08E-02	6.00E-03	2.83E-01	2.67E-01	1.19E+00	1.90E+00	2.05E-01	3.56E+00	2.66E-01	1.36E-04	2.08E-02	6.00E-03	2.93E-01
4116	476863.09	3855377.25	2.70E-01	1.22E-04	2.24E-02	6.12E-03	2.99E-01	2.82E-01	1.25E+00	2.04E+00	2.09E-01	3.78E+00	2.81E-01	1.43E-04	2.24E-02	6.12E-03	3.10E-01
4117	477363.09	3855377.25	2.92E-01	1.30E-04	2.38E-02	6.22E-03	3.22E-01	3.05E-01	1.33E+00	2.17E+00	2.13E-01	4.01E+00	3.04E-01	1.52E-04	2.38E-02	6.22E-03	3.34E-01
4118	477863.09	3855377.25	3.61E-01	1.37E-04	2.53E-02	6.55E-03	3.93E-01	3.77E-01	1.40E+00	2.31E+00	2.24E-01	4.30E+00	3.76E-01	1.60E-04	2.53E-02	6.55E-03	4.08E-01
4119	478363.09	3855377.25	3.94E-01	1.39E-04	2.52E-02	6.72E-03	4.26E-01	4.11E-01	1.42E+00	2.30E+00	2.30E-01	4.36E+00	4.11E-01	1.62E-04	2.52E-02	6.72E-03	4.43E-01
4120	478863.09	3855377.25	4.45E-01	1.32E-04	2.53E-02	6.96E-03	4.78E-01	4.65E-01	1.35E+00	2.31E+00	2.38E-01	4.36E+00	4.64E-01	1.55E-04	2.53E-02	6.96E-03	4.96E-01
4121	479363.09	3855377.25	7.29E-01	1.22E-04	2.53E-02	7.20E-03	7.62E-01	7.61E-01	1.25E+00	2.30E+00	2.46E-01	4.56E+00	7.59E-01	1.43E-04	2.53E-02	7.20E-03	7.92E-01
4122	479863.09	3855377.25	9.66E-01	1.17E-04	2.62E-02	8.13E-03	1.00E+00	1.01E+00	1.19E+00	2.39E+00	2.78E-01	4.86E+00	1.01E+00	1.37E-04	2.62E-02	8.13E-03	1.04E+00
4123	480363.09	3855377.25	1.61E+00	1.61E-04	2.89E-02	1.25E-02	1.65E+00	1.68E+00	1.65E+00	2.63E+00	4.27E-01	6.38E+00	1.68E+00	1.89E-04	2.89E-02	1.25E-02	1.72E+00
4124	480863.09	3855377.25	2.22E+00	2.85E-04	3.27E-02	1.08E-02	2.26E+00	2.31E+00	2.91E+00	2.98E+00	3.68E-01	8.57E+00	2.31E+00	3.33E-04	3.27E-02	1.08E-02	2.35E+00
4125	481363.09	3855377.25	2.63E+00	6.56E-04	2.95E-02	1.33E-02	2.68E+00	2.75E+00	6.70E+00	2.69E+00	4.54E-01	1.26E+01	2.74E+00	7.67E-04	2.95E-02	1.33E-02	2.79E+00
4126	481863.09	3855377.25	2.90E+00	1.23E-03	2.62E-02	1.41E-02	2.94E+00	3.03E+00	1.26E+01	2.39E+00	4.83E-01	1.85E+01	3.02E+00	1.44E-03	2.62E-02	1.41E-02	3.06E+00
4127	482363.09	3855377.25	3.07E+00	1.88E-03	2.44E-02	1.26E-02	3.11E+00	3.20E+00	1.92E+01	2.23E+00	4.30E-01	2.51E+01	3.19E+00	2.20E-03	2.44E-02	1.26E-02	3.23E+00
4128	482863.09	3855377.25	3.50E+00	2.16E-03	1.75E-02	2.93E-02	3.55E+00	3.65E+00	2.21E+01	1.60E+00	1.00E+00	2.83E+01	3.64E+00	2.53E-03	1.75E-02	2.93E-02	3.69E+00
4129	483363.09	3855377.25	3.96E+00	1.44E-03	1.42E-02	2.36E-02	4.00E+00	4.13E+00	1.47E+01	1.29E+00	8.07E-01	2.10E+01	4.12E+00	1.69E-03	1.42E-02	2.36E-02	4.16E+00
4130	483863.09	3855377.25	4.42E+00	1.06E-03	1.65E-02	1.90E-02	4.46E+00	4.61E+00	1.08E+01	1.50E+00	6.51E-01	1.76E+01	4.60E+00	1.24E-03	1.65E-02	1.90E-02	4.64E+00
4131	484363.09	3855377.25	7.64E+00	5.04E-04	2.00E-02	1.77E-02	7.67E+00	7.97E+00	5.15E+00	1.82E+00	6.07E-01	1.56E+01	7.95E+00	5.90E-04	2.00E-02	1.77E-02	7.99E+00
4132	484863.09	3855377.25	1.66E+01	2.57E-04	2.38E-02	2.34E-02	1.66E+01	1.73E+01	2.63E+00	2.17E+00	8.00E-01	2.29E+01	1.73E+01	3.01E-04	2.38E-02	2.34E-02	1.73E+01
4133	485363.09	3855377.25	7.00E+00	2.11E-04	2.37E-02	3.75E-02	7.06E+00	7.30E+00	2.15E+00	2.16E+00	1.28E+00	1.29E+01	7.29E+00	2.46E-04	2.37E-02	3.75E-02	7.35E+00
4134	485863.09	3855377.25	4.52E+00	2.08E-04	3.78E-02	3.71E-02	4.59E+00	4.72E+00	2.12E+00	3.44E+00	1.27E+00	1.15E+01	4.71E+00	2.43E-04	3.78E-02	3.71E-02	4.78E+00
4135	486363.09	3855377.25	2.47E+00	1.55E-04	5.20E-02	2.48E-02	2.54E+00	2.57E+00	1.58E+00	4.74E+00	8.47E-01	9.74E+00	2.57E+00	1.81E-04	5.20E-02	2.48E-02	2.65E+00
4136	486863.09	3855377.25	1.70E+00	1.32E-04	5.05E-02	2.24E-02	1.78E+00	1.78E+00	1.35E+00	4.61E+00	7.67E-01	8.50E+00	1.77E+00	1.54E-04	5.05E-02	2.24E-02	1.85E+00
4137	487363.09	3855377.25	1.95E+00	1.15E-04	1.00E-01	2.25E-02	2.08E+00	2.04E+00	1.18E+00	9.14E+00	7.71E-01	1.31E+01	2.04E+00	1.35E-04	1.00E-01	2.25E-02	2.16E+00
4138	487863.09	3855377.25	2.08E+00	1.18E-04	4.60E-02	1.85E-02	2.14E+00	2.17E+00	1.21E+00	4.19E+00	6.31E-01	8.20E+00	2.16E+00	1.38E-04	4.60E-02	1.85E-02	2.23E+00
4139	488363.09	3855377.25	2.09E+00	1.48E-04	4.26E-02	1.45E-02	2.15E+00	2.18E+00	1.51E+00	3.88E+00	4.96E-01	8.07E+00	2.18E+00	1.73E-04	4.26E-02	1.45E-02	2.23E+00
4140	488863.09	3855377.25	2.03E+00	1.60E-04	6.44E-02	1.29E-02	2.11E+00	2.12E+00	1.63E+00	5.87E+00	4.43E-01	1.01E+01	2.12E+00	1.87E-04	6.44E-02	1.29E-02	2.19E+00
4141	489363.09	3855377.25	1.94E+00	1.62E-04	9.79E-02	1.23E-02	2.05E+00	2.02E+00	1.65E+00	8.92E+00	4.20E-01	1.30E+01	2.02E+00	1.89E-04	9.79E-02	1.23E-02	2.13E+00
4142	489863.09	3855377.25	1.80E+00	1.44E-04	4.99E-02	1.26E-02	1.86E+00	1.87E+00	1.47E+00	4.55E+00	4.32E-01	8.33E+00	1.87E+00	1.69E-04	4.99E-02	1.26E-02	1.93E+00
4143	490363.09	3855377.25	1.76E+00	1.42E-04	8.16E-02	2.23E-02	1.87E+00	1.84E+00	1.45E+00	7.44E+00	7.64E-01	1.15E+01	1.84E+00	1.66E-04	8.16E-02	2.23E-02	1.94E+00
4144	490863.09	3855377.25	9.28E-01	1.03E-04	1.08E-01	7.99E-03	1.04E+00	9.69E-01	1.06E+00	9.87E+00	2.73E-01	1.22E+01	9.67E-01	1.21E-04	1.08E-01	7.99E-03	1.08E+00

4145	491363.09	3855377.25	6.98E-01	1.13E-04	4.52E-02	7.07E-03	7.50E-01	7.28E-01	1.16E+00	4.12E+00	2.42E-01	6.25E+00	7.27E-01	1.32E-04	4.52E-02	7.07E-03	7.79E-01
4146	491863.09	3855377.25	1.47E+00	1.15E-04	8.26E-02	1.13E-02	1.56E+00	1.53E+00	1.17E+00	7.54E+00	3.85E-01	1.06E+01	1.53E+00	1.34E-04	8.26E-02	1.13E-02	1.62E+00
4147	492363.09	3855377.25	1.46E+00	1.00E-04	1.43E-01	1.28E-02	1.61E+00	1.52E+00	1.02E+00	1.30E+01	4.38E-01	1.60E+01	1.52E+00	1.17E-04	1.43E-01	1.28E-02	1.67E+00
4148	492863.09	3855377.25	1.37E+00	9.51E-05	1.12E-01	1.34E-02	1.50E+00	1.43E+00	9.72E-01	1.03E+01	4.58E-01	1.31E+01	1.43E+00	1.11E-04	1.12E-01	1.34E-02	1.55E+00
4149	493363.09	3855377.25	1.18E+00	9.57E-05	1.31E-01	9.99E-03	1.32E+00	1.23E+00	9.77E-01	1.19E+01	3.42E-01	1.45E+01	1.23E+00	1.12E-04	1.31E-01	9.99E-03	1.37E+00
4150	493863.09	3855377.25	6.16E-01	7.95E-05	1.05E-01	7.16E-03	7.28E-01	6.43E-01	8.13E-01	9.57E+00	2.45E-01	1.13E+01	6.42E-01	9.31E-05	1.05E-01	7.16E-03	7.54E-01
4151	494363.09	3855377.25	5.69E-01	7.72E-05	3.79E-02	4.96E-03	6.11E-01	5.93E-01	7.88E-01	3.46E+00	1.70E-01	5.01E+00	5.92E-01	9.03E-05	3.79E-02	4.96E-03	6.35E-01
4152	494863.09	3855377.25	5.40E-01	6.52E-05	2.84E-02	4.24E-03	5.72E-01	5.63E-01	6.66E-01	2.59E+00	1.45E-01	3.97E+00	5.62E-01	7.63E-05	2.84E-02	4.24E-03	5.95E-01
4153	495363.09	3855377.25	3.97E-01	6.63E-05	2.61E-02	4.07E-03	4.27E-01	4.14E-01	6.77E-01	2.38E+00	1.39E-01	3.61E+00	4.13E-01	7.76E-05	2.61E-02	4.07E-03	4.44E-01
4154	495863.09	3855377.25	3.82E-01	6.94E-05	2.60E-02	4.03E-03	4.12E-01	3.99E-01	7.09E-01	2.37E+00	1.38E-01	3.62E+00	3.98E-01	8.12E-05	2.60E-02	4.03E-03	4.28E-01
4155	496363.09	3855377.25	3.82E-01	7.14E-05	2.46E-02	3.90E-03	4.10E-01	3.98E-01	7.30E-01	2.25E+00	1.34E-01	3.51E+00	3.98E-01	8.35E-05	2.46E-02	3.90E-03	4.26E-01
4156	496863.09	3855377.25	3.82E-01	7.06E-05	2.32E-02	3.63E-03	4.09E-01	3.98E-01	7.22E-01	2.12E+00	1.24E-01	3.36E+00	3.97E-01	8.26E-05	2.32E-02	3.63E-03	4.24E-01
4157	497363.09	3855377.25	3.81E-01	6.86E-05	2.23E-02	3.95E-03	4.07E-01	3.98E-01	7.01E-01	2.04E+00	1.35E-01	3.27E+00	3.97E-01	8.03E-05	2.23E-02	3.95E-03	4.23E-01
4158	497863.09	3855377.25	3.80E-01	6.76E-05	2.30E-02	3.93E-03	4.07E-01	3.97E-01	6.91E-01	2.10E+00	1.34E-01	3.32E+00	3.96E-01	7.91E-05	2.30E-02	3.93E-03	4.23E-01
4159	498363.09	3855377.25	3.85E-01	6.66E-05	2.39E-02	3.94E-03	4.13E-01	4.01E-01	6.80E-01	2.18E+00	1.35E-01	3.39E+00	4.01E-01	7.79E-05	2.39E-02	3.94E-03	4.28E-01
4160	471363.09	3855877.25	6.06E-01	1.16E-04	1.94E-02	5.54E-03	6.31E-01	6.33E-01	1.18E+00	1.77E+00	1.89E-01	3.78E+00	6.31E-01	1.36E-04	1.94E-02	5.54E-03	6.56E-01
4161	471863.09	3855877.25	6.17E-01	1.19E-04	2.06E-02	5.71E-03	6.43E-01	6.44E-01	1.22E+00	1.88E+00	1.95E-01	3.94E+00	6.42E-01	1.40E-04	2.06E-02	5.71E-03	6.69E-01
4162	472363.09	3855877.25	6.74E-01	1.28E-04	2.39E-02	6.39E-03	7.05E-01	7.03E-01	1.31E+00	2.18E+00	2.18E-01	4.42E+00	7.02E-01	1.50E-04	2.39E-02	6.39E-03	7.32E-01
4163	472863.09	3855877.25	6.71E-01	1.26E-04	2.42E-02	6.36E-03	7.02E-01	7.00E-01	1.29E+00	2.21E+00	2.17E-01	4.42E+00	6.99E-01	1.48E-04	2.42E-02	6.36E-03	7.29E-01
4164	473363.09	3855877.25	7.47E-01	1.41E-04	2.77E-02	7.29E-03	7.82E-01	7.80E-01	1.44E+00	2.53E+00	2.49E-01	5.00E+00	7.78E-01	1.65E-04	2.77E-02	7.29E-03	8.13E-01
4165	473863.09	3855877.25	7.94E-01	1.50E-04	2.94E-02	7.79E-03	8.32E-01	8.29E-01	1.53E+00	2.68E+00	2.67E-01	5.31E+00	8.27E-01	1.76E-04	2.94E-02	7.79E-03	8.65E-01
4166	474363.09	3855877.25	8.17E-01	1.57E-04	4.49E-02	1.01E-02	8.73E-01	8.53E-01	1.60E+00	4.10E+00	3.44E-01	6.90E+00	8.51E-01	1.83E-04	4.49E-02	1.01E-02	9.06E-01
4167	474863.09	3855877.25	5.84E-01	1.33E-04	2.82E-02	6.56E-03	6.19E-01	6.09E-01	1.35E+00	2.57E+00	2.24E-01	4.76E+00	6.08E-01	1.55E-04	2.82E-02	6.56E-03	6.43E-01
4168	475363.09	3855877.25	3.36E-01	1.31E-04	1.57E-02	5.57E-03	3.58E-01	3.51E-01	1.34E+00	1.43E+00	1.90E-01	3.31E+00	3.50E-01	1.53E-04	1.57E-02	5.57E-03	3.72E-01
4169	475863.09	3855877.25	2.12E-01	1.21E-04	1.54E-02	5.14E-03	2.33E-01	2.21E-01	1.24E+00	1.41E+00	1.76E-01	3.04E+00	2.21E-01	1.41E-04	1.54E-02	5.14E-03	2.42E-01
4170	476363.09	3855877.25	2.17E-01	1.16E-04	1.71E-02	5.21E-03	2.40E-01	2.27E-01	1.19E+00	1.56E+00	1.78E-01	3.15E+00	2.26E-01	1.36E-04	1.71E-02	5.21E-03	2.49E-01
4171	476863.09	3855877.25	2.70E-01	1.18E-04	1.89E-02	5.90E-03	2.95E-01	2.82E-01	1.20E+00	1.72E+00	2.02E-01	3.41E+00	2.81E-01	1.38E-04	1.89E-02	5.90E-03	3.06E-01
4172	477363.09	3855877.25	3.27E-01	1.13E-04	2.27E-02	5.93E-03	3.56E-01	3.42E-01	1.15E+00	2.07E+00	2.03E-01	3.76E+00	3.41E-01	1.32E-04	2.27E-02	5.93E-03	3.70E-01
4173	477863.09	3855877.25	3.47E-01	1.11E-04	2.43E-02	5.96E-03	3.78E-01	3.62E-01	1.14E+00	2.22E+00	2.04E-01	3.92E+00	3.62E-01	1.30E-04	2.43E-02	5.96E-03	3.92E-01
4174	478363.09	3855877.25	3.81E-01	1.16E-04	2.58E-02	6.31E-03	4.13E-01	3.97E-01	1.18E+00	2.35E+00	2.16E-01	4.15E+00	3.97E-01	1.36E-04	2.58E-02	6.31E-03	4.29E-01
4175	478863.09	3855877.25	4.29E-01	1.27E-04	2.71E-02	6.41E-03	4.63E-01	4.48E-01	1.30E+00	2.48E+00	2.19E-01	4.44E+00	4.47E-01	1.49E-04	2.71E-02	6.41E-03	4.81E-01
4176	479363.09	3855877.25	6.12E-01	1.41E-04	3.69E-02	6.58E-03	6.56E-01	6.39E-01	1.44E+00	3.37E+00	2.25E-01	5.67E+00	6.37E-01	1.65E-04	3.69E-02	6.58E-03	6.81E-01
4177	479863.09	3855877.25	9.22E-01	1.69E-04	4.69E-02	9.76E-03	9.79E-01	9.62E-01	1.73E+00	4.27E+00	3.34E-01	7.30E+00	9.60E-01	1.98E-04	4.69E-02	9.76E-03	1.02E+00
4178	480363.09	3855877.25	1.40E+00	2.08E-04	4.89E-02	1.36E-02	1.46E+00	1.46E+00	2.12E+00	4.46E+00	4.66E-01	8.51E+00	1.45E+00	2.43E-04	4.89E-02	1.36E-02	1.52E+00
4179	480863.09	3855877.25	1.91E+00	2.60E-04	3.87E-02	1.57E-02	1.97E+00	2.00E+00	2.66E+00	3.53E+00	5.36E-01	8.72E+00	1.99E+00	3.05E-04	3.87E-02	1.57E-02	2.05E+00
4180	481363.09	3855877.25	2.02E+00	2.61E-04	3.26E-02	1.68E-02	2.07E+00	2.10E+00	2.67E+00	2.97E+00	5.75E-01	8.32E+00	2.10E+00	3.06E-04	3.26E-02	1.68E-02	2.15E+00
4181	481863.09	3855877.25	2.52E+00	7.48E-04	3.15E-02	8.99E-03	2.56E+00	2.63E+00	7.64E+00	2.87E+00	3.08E-01	1.34E+01	2.62E+00	8.75E-04	3.15E-02	8.99E-03	2.67E+00
4182	482363.09	3855877.25	2.57E+00	1.52E-03	3.18E-02	1.03E-02	2.61E+00	2.68E+00	1.55E+01	2.90E+00	3.53E-01	2.14E+01	2.67E+00	1.77E-03	3.18E-02	1.03E-02	2.72E+00
4183	482863.09	3855877.25	2.87E+00	2.16E-03	2.89E-02	1.40E-02	2.91E+00	2.99E+00	2.20E+01	2.64E+00	4.78E-01	2.81E+01	2.99E+00	2.52E-03	2.89E-02	1.40E-02	3.03E+00
4184	483363.09	3855877.25	3.26E+00	2.29E-03	2.67E-02	1.86E-02	3.31E+00	3.41E+00	2.33E+01	2.43E+00	6.35E-01	2.98E+01	3.40E+00	2.67E-03	2.67E-02	1.86E-02	3.45E+00
4185	483863.09	3855877.25	3.70E+00	1.75E-03	1.84E-02	2.23E-02	3.74E+00	3.86E+00	1.79E+01	1.68E+00	7.64E-01	2.42E+01	3.85E+00	2.05E-03	1.84E-02	2.23E-02	3.89E+00
4186	484363.09	3855877.25	4.12E+00	1.16E-03	1.75E-02	4.25E-02	4.18E+00	4.30E+00	1.18E+01	1.60E+00	1.46E+00	1.92E+01	4.29E+00	1.36E-03	1.75E-02	4.25E-02	4.35E+00
4187	484863.09	3855877.25	6.02E+00	6.44E-04	2.12E-02	3.93E-02	6.08E+00	6.28E+00	6.58E+00	1.94E+00	1.34E+00	1.61E+01	6.27E+00	7.53E-04	2.12E-02	3.93E-02	6.33E+00
4188	485363.09	3855877.25	1.68E+01	3.56E-04	2.58E-02	3.51E-02	1.68E+01	1.75E+01	3.64E+00	2.36E+00	1.20E+00	2.47E+01	1.74E+01	4.16E-04	2.58E-02	3.51E-02	1.75E+01
4189	485863.09	3855877.25	7.94E+00	2.10E-04	2.77E-02	2.76E-02	8.00E+00	8.29E+00	2.15E+00	2.53E+00	9.45E-01	1.39E+01	8.27E+00	2.46E-04	2.77E-02	2.76E-02	8.33E+00
4190	486363.09	3855877.25	5.27E+00	2.22E-04	3.99E-02	2.99E-02	5.34E+00	5.50E+00	2.26E+00	3.64E+00	1.02E+00	1.24E+01	5.49E+00	2.59E-04	3.99E-02	2.99E-02	5.56E+00
4191	486863.09	3855877.25	3.83E+00	2.04E-04	7.15E-02	2.59E-02	3.93E+00	4.00E+00	2.09E+00	6.52E+00	8.87E-01	1.35E+01	3.99E+00	2.39E-04	7.15E-02	2.59E-02	4.09E+00
4192	487363.09	3855877.25	3.47E+00	2.01E-04	7.19E-02	2.14E-02	3.57E+00	3.63E+00	2.06E+00	6.56E+00	7.32E-01	1.30E+01	3.62E+00	2.36E-04	7.19E-02	2.14E-02	3.71E+00
4193	487863.09	3855877.25	3.18E+00	2.21E-04	5.44E-02	1.72E-02	3.26E+00	3.32E+00	2.26E+00	4.96E+00	5.88E-01	1.11E+01	3.32E+00	2.58E-04	5.44E-02	1.72E-02	3.39E+00
4194	488363.09	3855877.25	2.85E+00	1.98E-04	4.72E-02	1.45E-02	2.92E+00	2.98E+00	2.03E+00	4.31E+00	4.95E-01	9.81E+00	2.97E+00	2.32E-04	4.72E-02	1.45E-02	3.03E+00
4195	488863.09	3855877.25	2.59E+00	2.05E-04	6.92E-02	1.23E-02	2.67E+00	2.70E+00	2.09E+00	6.31E+00	4.22E-01	1.15E+01	2.70E+00	2.39E-04	6.92E-02	1.23E-02	2.78E+00
4196	489363.09	3855877.25	2.34E+00	2.11E-04	7.81E-02	1.12E-02	2.43E+00	2.45E+00	2.16E+00	7.12E+00	3.83E-01	1.21E+01	2.44E+00	2.47E-04	7.81E-02	1.12E-02	2.53E+00
4197	489863.09	3855877.25	2.14E+00	1.90E-04	5.91E-02	1.18E-02	2.21E+00	2.23E+00	1.95E+00	5.39E+00	4.05E-01	9.97E+00	2.22E+00	2.23E-04	5.91E-02	1.18E-02	2.30E+00
4198	490363.09	3855877.25	2.00E+00	1.96E-04	7.72E-02	1.50E-02	2.09E+00	2.09E+00	2.00E+00	7.04E+00	5.12E-01	1.16E+01	2.08E+00	2.29E-04	7.72E-02	1.50E-02	2.18E+00
4199	490863.09	3855877.25	1.85E+00	2.08E-04	5.02E-02	1.13E-02	1.91E+00	1.93E+00	2.12E+00	4.58E+00	3.87E-01	9.02E+00	1.93E+00	2.43E-04	5.02E-02	1.13E-02	1.99E+00
4200	491363.09	3855877.25	1.58E+00	1.24E-04	1.57E-01	1.05E-02	1.75E+00	1.65E+00	1.27E+00	1.43E+01	3.59E-01	1.76E+01	1.64E+00	1.45E-04	1.57E-01	1.05E-02	1.81E+00
4201	491863.09	3855877.25	1.68E+00	1.74E-04	1.03E-01	1.27E-02	1.79E+00	1.75E+00	1.78E+00	9.36E+00	4.34E-01	1.33E+01	1.75E+00	2.04E-04	1.03E-01	1.27E-02	1.86E+00
4202	492363.09	3855877.25	1.56E+00	1.15E-04	1.28E-01	1.43E-02	1.70E+00	1.62E+00	1.18E+00	1.17E+01	4.87E-01	1.49E+01	1.62E+00	1.35E-04	1.28E-01	1.43E-02	1.76E+00
4203	492863.09	3855877.25	1.45E+00	1.14E-04	1.63E-01	1.17E-02	1.62E+00	1.51E+00	1.17E+00	1.48E+01	3.99E-01	1.79E+01	1.51E+00	1.34E-04	1.63E-01	1.17E-02	1.68E+00
4204	493363.09	3855877.25	9.84E-01	9.87E-05	1.03E-01	7.10E-03	1.09E+00	1.03E+00	1.01E+00	9.40E+00	2.43E-01	1.17E+01	1.02E+00	1.16E-04	1.03E-01	7.10E-03	1.13E+00
4205	493863.09	3855877.25	5.83E-01	9.24E-05	3.64E-02	5.10E-03	6.25E-01	6.08E-01	9.44E-01	3.32E+00	1.75E-01	5.05E+00	6.07E-01	1.08E-04	3.64E-02	5.10E-03	6.49E-01

4206	494363.09	3855877.25	5.36E-01	8.04E-05	2.91E-02	4.45E-03	5.70E-01	5.60E-01	8.21E-01	2.65E+00	1.52E-01	4.18E+00	5.59E-01	9.40E-05	2.91E-02	4.45E-03	5.92E-01
4207	494863.09	3855877.25	4.01E-01	8.10E-05	2.85E-02	4.17E-03	4.34E-01	4.18E-01	8.28E-01	2.60E+00	1.43E-01	3.99E+00	4.17E-01	9.48E-05	2.85E-02	4.17E-03	4.50E-01
4208	495363.09	3855877.25	3.85E-01	8.30E-05	2.24E-02	3.14E-03	4.11E-01	4.02E-01	8.48E-01	2.04E+00	1.07E-01	3.40E+00	4.01E-01	9.71E-05	2.24E-02	3.14E-03	4.27E-01
4209	495863.09	3855877.25	3.83E-01	8.16E-05	2.28E-02	3.19E-03	4.09E-01	3.99E-01	8.33E-01	2.08E+00	1.09E-01	3.43E+00	3.99E-01	9.54E-05	2.28E-02	3.19E-03	4.25E-01
4210	496363.09	3855877.25	3.80E-01	7.88E-05	2.25E-02	3.19E-03	4.05E-01	3.96E-01	8.05E-01	2.05E+00	1.09E-01	3.36E+00	3.95E-01	9.21E-05	2.25E-02	3.19E-03	4.21E-01
4211	496863.09	3855877.25	3.76E-01	7.69E-05	2.48E-02	3.58E-03	4.04E-01	3.92E-01	7.86E-01	2.26E+00	1.22E-01	3.56E+00	3.91E-01	9.00E-05	2.48E-02	3.58E-03	4.20E-01
4212	497363.09	3855877.25	3.71E-01	7.53E-05	2.36E-02	4.18E-03	3.99E-01	3.87E-01	7.69E-01	2.15E+00	1.43E-01	3.45E+00	3.87E-01	8.81E-05	2.36E-02	4.18E-03	4.15E-01
4213	497863.09	3855877.25	3.66E-01	7.45E-05	2.35E-02	4.22E-03	3.94E-01	3.82E-01	7.61E-01	2.14E+00	1.44E-01	3.43E+00	3.81E-01	8.71E-05	2.35E-02	4.22E-03	4.09E-01
4214	498363.09	3855877.25	3.97E-01	7.44E-05	2.45E-02	4.34E-03	4.26E-01	4.14E-01	7.60E-01	2.23E+00	1.48E-01	3.56E+00	4.13E-01	8.70E-05	2.45E-02	4.34E-03	4.42E-01
4215	471363.09	3856377.25	5.75E-01	9.53E-05	1.34E-02	4.53E-03	5.93E-01	5.99E-01	9.73E-01	1.22E+00	1.55E-01	2.95E+00	5.98E-01	1.11E-04	1.34E-02	4.53E-03	6.16E-01
4216	471863.09	3856377.25	5.82E-01	1.03E-04	1.46E-02	4.67E-03	6.02E-01	6.08E-01	1.05E+00	1.33E+00	1.60E-01	3.15E+00	6.06E-01	1.20E-04	1.46E-02	4.67E-03	6.26E-01
4217	472363.09	3856377.25	6.17E-01	1.12E-04	1.68E-02	4.94E-03	6.39E-01	6.43E-01	1.14E+00	1.53E+00	1.69E-01	3.48E+00	6.42E-01	1.30E-04	1.68E-02	4.94E-03	6.64E-01
4218	472863.09	3856377.25	6.62E-01	1.20E-04	1.94E-02	5.30E-03	6.87E-01	6.91E-01	1.23E+00	1.77E+00	1.81E-01	3.87E+00	6.89E-01	1.41E-04	1.94E-02	5.30E-03	7.14E-01
4219	473363.09	3856377.25	6.95E-01	1.29E-04	2.18E-02	5.81E-03	7.22E-01	7.25E-01	1.31E+00	1.98E+00	1.99E-01	4.22E+00	7.23E-01	1.50E-04	2.18E-02	5.81E-03	7.51E-01
4220	473863.09	3856377.25	7.65E-01	1.59E-04	2.46E-02	6.71E-03	7.96E-01	7.98E-01	1.63E+00	2.24E+00	2.30E-01	4.90E+00	7.96E-01	1.87E-04	2.46E-02	6.71E-03	8.28E-01
4221	474363.09	3856377.25	7.29E-01	1.37E-04	2.60E-02	6.47E-03	7.62E-01	7.61E-01	1.40E+00	2.37E+00	2.21E-01	4.75E+00	7.59E-01	1.61E-04	2.60E-02	6.47E-03	7.92E-01
4222	474863.09	3856377.25	6.55E-01	1.37E-04	3.73E-02	7.30E-03	6.99E-01	6.83E-01	1.40E+00	3.40E+00	2.50E-01	5.74E+00	6.82E-01	1.61E-04	3.73E-02	7.30E-03	7.26E-01
4223	475363.09	3856377.25	4.34E-01	1.29E-04	2.18E-02	5.32E-03	4.61E-01	4.53E-01	1.32E+00	1.99E+00	1.82E-01	3.95E+00	4.52E-01	1.51E-04	2.18E-02	5.32E-03	4.79E-01
4224	475863.09	3856377.25	3.15E-01	1.33E-04	1.33E-02	5.23E-03	3.34E-01	3.29E-01	1.36E+00	1.22E+00	1.79E-01	3.09E+00	3.28E-01	1.56E-04	1.33E-02	5.23E-03	3.47E-01
4225	476363.09	3856377.25	3.17E-01	1.36E-04	1.36E-02	5.34E-03	3.36E-01	3.31E-01	1.38E+00	1.24E+00	1.82E-01	3.14E+00	3.30E-01	1.59E-04	1.36E-02	5.34E-03	3.49E-01
4226	476863.09	3856377.25	3.24E-01	1.36E-04	1.50E-02	5.41E-03	3.44E-01	3.38E-01	1.39E+00	1.37E+00	1.85E-01	3.28E+00	3.37E-01	1.59E-04	1.50E-02	5.41E-03	3.58E-01
4227	477363.09	3856377.25	3.35E-01	1.34E-04	1.64E-02	5.45E-03	3.57E-01	3.49E-01	1.37E+00	1.50E+00	1.87E-01	3.41E+00	3.48E-01	1.57E-04	1.64E-02	5.45E-03	3.70E-01
4228	477863.09	3856377.25	3.01E-01	1.29E-04	1.82E-02	5.56E-03	3.25E-01	3.14E-01	1.32E+00	1.66E+00	1.90E-01	3.49E+00	3.14E-01	1.51E-04	1.82E-02	5.56E-03	3.38E-01
4229	478363.09	3856377.25	2.58E-01	1.22E-04	1.89E-02	5.67E-03	2.82E-01	2.69E-01	1.25E+00	1.72E+00	1.94E-01	3.43E+00	2.68E-01	1.43E-04	1.89E-02	5.67E-03	2.93E-01
4230	478863.09	3856377.25	3.84E-01	1.14E-04	2.24E-02	6.05E-03	4.13E-01	4.01E-01	1.16E+00	2.04E+00	2.07E-01	3.81E+00	4.00E-01	1.33E-04	2.24E-02	6.05E-03	4.29E-01
4231	479363.09	3856377.25	4.29E-01	1.09E-04	2.72E-02	6.61E-03	4.63E-01	4.47E-01	1.11E+00	2.48E+00	2.26E-01	4.27E+00	4.47E-01	1.27E-04	2.72E-02	6.61E-03	4.80E-01
4232	479863.09	3856377.25	7.81E-01	1.28E-04	5.29E-02	1.15E-02	8.45E-01	8.15E-01	1.31E+00	4.82E+00	3.92E-01	7.34E+00	8.13E-01	1.50E-04	5.29E-02	1.15E-02	8.77E-01
4233	480363.09	3856377.25	1.35E+00	1.74E-04	5.79E-02	1.46E-02	1.42E+00	1.40E+00	1.78E+00	5.28E+00	4.98E-01	8.97E+00	1.40E+00	2.04E-04	5.79E-02	1.46E-02	1.47E+00
4234	480863.09	3856377.25	1.73E+00	2.51E-04	4.51E-02	1.18E-02	1.78E+00	1.80E+00	2.56E+00	4.11E+00	4.02E-01	8.88E+00	1.80E+00	2.93E-04	4.51E-02	1.18E-02	1.86E+00
4235	481363.09	3856377.25	2.02E+00	3.51E-04	4.05E-02	1.00E-02	2.07E+00	2.11E+00	3.59E+00	3.69E+00	3.42E-01	9.73E+00	2.11E+00	4.11E-04	4.05E-02	1.00E-02	2.16E+00
4236	481863.09	3856377.25	2.19E+00	5.65E-04	3.80E-02	8.57E-03	2.24E+00	2.29E+00	5.78E+00	3.47E+00	2.93E-01	1.18E+01	2.28E+00	6.61E-04	3.80E-02	8.57E-03	2.33E+00
4237	482363.09	3856377.25	2.19E+00	1.01E-03	3.88E-02	1.23E-02	2.24E+00	2.29E+00	1.03E+01	3.54E+00	4.20E-01	1.65E+01	2.28E+00	1.18E-03	3.88E-02	1.23E-02	2.34E+00
4238	482863.09	3856377.25	2.37E+00	1.47E-03	3.85E-02	9.21E-03	2.42E+00	2.47E+00	1.50E+01	3.51E+00	3.15E-01	2.13E+01	2.46E+00	1.72E-03	3.85E-02	9.21E-03	2.51E+00
4239	483363.09	3856377.25	2.60E+00	2.54E-03	3.78E-02	1.12E-02	2.65E+00	2.71E+00	2.59E+01	3.45E+00	3.83E-01	3.25E+01	2.71E+00	2.97E-03	3.78E-02	1.12E-02	2.76E+00
4240	483863.09	3856377.25	2.97E+00	2.56E-03	3.36E-02	3.95E-02	3.05E+00	3.10E+00	2.62E+01	3.07E+00	1.35E+00	3.37E+01	3.10E+00	3.00E-03	3.36E-02	3.95E-02	3.17E+00
4241	484363.09	3856377.25	3.41E+00	2.41E-03	2.85E-02	4.21E-02	3.48E+00	3.56E+00	2.47E+01	2.60E+00	1.44E+00	3.22E+01	3.55E+00	2.82E-03	2.85E-02	4.21E-02	3.62E+00
4242	484863.09	3856377.25	3.83E+00	1.36E-03	1.99E-02	4.39E-02	3.90E+00	4.00E+00	1.39E+01	1.81E+00	1.50E+00	2.12E+01	3.99E+00	1.59E-03	1.99E-02	4.39E-02	4.06E+00
4243	485363.09	3856377.25	5.13E+00	8.27E-04	2.27E-02	3.75E-02	5.19E+00	5.35E+00	8.45E+00	2.07E+00	1.28E+00	1.72E+01	5.34E+00	9.68E-04	2.27E-02	3.75E-02	5.40E+00
4244	485863.09	3856377.25	1.48E+01	4.62E-04	2.93E-02	2.89E-02	1.49E+01	1.54E+01	4.73E+00	2.67E+00	9.87E-01	2.38E+01	1.54E+01	5.41E-04	2.93E-02	2.89E-02	1.55E+01
4245	486363.09	3856377.25	9.69E+00	2.44E-04	3.33E-02	2.48E-02	9.74E+00	1.01E+01	2.50E+00	3.03E+00	8.47E-01	1.65E+01	1.01E+01	2.86E-04	3.33E-02	2.48E-02	1.01E+01
4246	486863.09	3856377.25	6.13E+00	2.49E-04	3.47E-02	2.33E-02	6.18E+00	6.39E+00	2.55E+00	3.17E+00	7.98E-01	1.29E+01	6.38E+00	2.92E-04	3.47E-02	2.33E-02	6.44E+00
4247	487363.09	3856377.25	5.10E+00	2.71E-04	5.31E-02	1.88E-02	5.17E+00	5.32E+00	2.77E+00	4.84E+00	6.44E-01	1.36E+01	5.31E+00	3.17E-04	5.31E-02	1.88E-02	5.38E+00
4248	487863.09	3856377.25	4.29E+00	3.15E-04	6.65E-02	1.30E-02	4.37E+00	4.47E+00	3.22E+00	6.07E+00	4.45E-01	1.42E+01	4.47E+00	3.68E-04	6.65E-02	1.30E-02	4.55E+00
4249	488363.09	3856377.25	3.61E+00	2.95E-04	5.48E-02	1.03E-02	3.67E+00	3.76E+00	3.02E+00	4.99E+00	3.53E-01	1.21E+01	3.76E+00	3.45E-04	5.48E-02	1.03E-02	3.82E+00
4250	488863.09	3856377.25	3.12E+00	3.04E-04	6.51E-02	9.18E-03	3.20E+00	3.26E+00	3.10E+00	5.93E+00	3.14E-01	1.26E+01	3.25E+00	3.55E-04	6.51E-02	9.18E-03	3.33E+00
4251	489363.09	3856377.25	2.79E+00	2.90E-04	5.57E-02	9.79E-03	2.85E+00	2.91E+00	2.97E+00	5.08E+00	3.35E-01	1.13E+01	2.90E+00	3.40E-04	5.57E-02	9.79E-03	2.97E+00
4252	489863.09	3856377.25	2.51E+00	2.87E-04	6.78E-02	1.09E-02	2.59E+00	2.62E+00	2.93E+00	6.18E+00	3.71E-01	1.21E+01	2.62E+00	3.36E-04	6.78E-02	1.09E-02	2.70E+00
4253	490363.09	3856377.25	2.30E+00	2.87E-04	5.43E-02	1.12E-02	2.36E+00	2.39E+00	2.93E+00	4.95E+00	3.84E-01	1.07E+01	2.39E+00	3.36E-04	5.43E-02	1.12E-02	2.46E+00
4254	490863.09	3856377.25	2.14E+00	2.74E-04	7.20E-02	8.59E-03	2.22E+00	2.24E+00	2.80E+00	6.56E+00	2.94E-01	1.19E+01	2.23E+00	3.21E-04	7.20E-02	8.59E-03	2.31E+00
4255	491363.09	3856377.25	2.02E+00	2.20E-04	6.70E-02	1.12E-02	2.09E+00	2.10E+00	2.25E+00	6.11E+00	3.84E-01	1.09E+01	2.10E+00	2.58E-04	6.70E-02	1.12E-02	2.18E+00
4256	491863.09	3856377.25	1.89E+00	1.96E-04	1.09E-01	1.29E-02	2.01E+00	1.97E+00	2.00E+00	9.91E+00	4.41E-01	1.43E+01	1.96E+00	2.30E-04	1.09E-01	1.29E-02	2.09E+00
4257	492363.09	3856377.25	1.72E+00	1.28E-04	1.18E-01	1.34E-02	1.85E+00	1.79E+00	1.30E+00	1.08E+01	4.58E-01	1.43E+01	1.79E+00	1.49E-04	1.18E-01	1.34E-02	1.92E+00
4258	492863.09	3856377.25	1.33E+00	1.19E-04	8.97E-02	9.70E-03	1.43E+00	1.38E+00	1.21E+00	8.18E+00	3.32E-01	1.11E+01	1.38E+00	1.39E-04	8.97E-02	9.70E-03	1.48E+00
4259	493363.09	3856377.25	5.66E-01	1.05E-04	4.07E-02	4.97E-03	6.12E-01	5.90E-01	1.07E+00	3.71E+00	1.70E-01	5.54E+00	5.89E-01	1.23E-04	4.07E-02	4.97E-03	6.35E-01
4260	493863.09	3856377.25	5.45E-01	9.25E-05	3.84E-02	4.64E-03	5.88E-01	5.68E-01	9.45E-01	3.51E+00	1.59E-01	5.18E+00	5.67E-01	1.08E-04	3.84E-02	4.64E-03	6.10E-01
4261	494363.09	3856377.25	3.94E-01	8.93E-05	3.59E-02	4.68E-03	4.35E-01	4.12E-01	9.12E-01	3.27E+00	1.60E-01	4.76E+00	4.11E-01	1.04E-04	3.59E-02	4.68E-03	4.51E-01
4262	494863.09	3856377.25	3.40E-01	8.63E-05	3.08E-02	4.16E-03	3.75E-01	3.55E-01	8.81E-01	2.80E+00	1.42E-01	4.18E+00	3.54E-01	1.01E-04	3.08E-02	4.16E-03	3.89E-01
4263	495363.09	3856377.25	3.27E-01	8.18E-05	2.29E-02	3.14E-03	3.53E-01	3.41E-01	8.36E-01	2.09E+00	1.07E-01	3.38E+00	3.41E-01	9.57E-05	2.29E-02	3.14E-03	3.67E-01
4264	495863.09	3856377.25	3.15E-01	7.92E-05	2.12E-02	3.13E-03	3.39E-01	3.28E-01	8.09E-01	1.93E+00	1.07E-01	3.18E+00	3.28E-01	9.27E-05	2.12E-02	3.13E-03	3.52E-01
4265	496363.09	3856377.25	3.05E-01	7.71E-05	2.12E-02	3.30E-03	3.30E-01	3.18E-01	7.88E-01	1.93E+00	1.13E-01	3.15E+00	3.18E-01	9.02E-05	2.12E-02	3.30E-03	3.42E-01
4266	496863.09	3856377.25	2.97E-01	7.54E-05	2.44E-02	4.35E-03	3.26E-01	3.10E-01	7.70E-01	2.23E+00	1.49E-01	3.45E+00	3.10E-01	8.82E-05	2.44E-02	4.35E-03	3.38E-01

4267	497363.09	3856377.25	2.89E-01	7.64E-05	2.26E-02	4.51E-03	3.16E-01	3.01E-01	7.81E-01	2.06E+00	1.54E-01	3.30E+00	3.01E-01	8.94E-05	2.26E-02	4.51E-03	3.28E-01
4268	497863.09	3856377.25	3.20E-01	7.80E-05	2.29E-02	4.48E-03	3.47E-01	3.34E-01	7.96E-01	2.09E+00	1.53E-01	3.37E+00	3.33E-01	9.12E-05	2.29E-02	4.48E-03	3.61E-01
4269	498363.09	3856377.25	3.27E-01	7.82E-05	2.16E-02	4.41E-03	3.54E-01	3.42E-01	7.99E-01	1.97E+00	1.51E-01	3.26E+00	3.41E-01	9.15E-05	2.16E-02	4.41E-03	3.67E-01
4270	471363.09	3856877.25	5.95E-01	1.03E-04	1.66E-02	4.73E-03	6.16E-01	6.20E-01	1.05E+00	1.51E+00	1.62E-01	3.34E+00	6.19E-01	1.20E-04	1.66E-02	4.73E-03	6.41E-01
4271	471863.09	3856877.25	6.01E-01	9.95E-05	1.63E-02	4.73E-03	6.22E-01	6.27E-01	1.02E+00	1.49E+00	1.62E-01	3.29E+00	6.26E-01	1.16E-04	1.63E-02	4.73E-03	6.47E-01
4272	472363.09	3856877.25	6.41E-01	1.02E-04	1.65E-02	5.13E-03	6.62E-01	6.69E-01	1.04E+00	1.50E+00	1.75E-01	3.39E+00	6.67E-01	1.19E-04	1.65E-02	5.13E-03	6.89E-01
4273	472863.09	3856877.25	6.84E-01	1.04E-04	1.66E-02	5.50E-03	7.06E-01	7.14E-01	1.06E+00	1.51E+00	1.88E-01	3.47E+00	7.12E-01	1.22E-04	1.66E-02	5.50E-03	7.35E-01
4274	473363.09	3856877.25	7.71E-01	1.14E-04	1.68E-02	6.34E-03	7.94E-01	8.05E-01	1.16E+00	1.53E+00	2.17E-01	3.72E+00	8.03E-01	1.33E-04	1.68E-02	6.34E-03	8.26E-01
4275	473863.09	3856877.25	8.11E-01	1.20E-04	1.66E-02	6.73E-03	8.35E-01	8.46E-01	1.23E+00	1.52E+00	2.30E-01	3.82E+00	8.45E-01	1.41E-04	1.66E-02	6.73E-03	8.68E-01
4276	474363.09	3856877.25	7.63E-01	1.15E-04	1.67E-02	6.30E-03	7.86E-01	7.96E-01	1.18E+00	1.52E+00	2.16E-01	3.71E+00	7.94E-01	1.35E-04	1.67E-02	6.30E-03	8.17E-01
4277	474863.09	3856877.25	6.62E-01	1.11E-04	2.25E-02	7.54E-03	6.92E-01	6.91E-01	1.13E+00	2.05E+00	2.58E-01	4.14E+00	6.89E-01	1.30E-04	2.25E-02	7.54E-03	7.19E-01
4278	475363.09	3856877.25	4.69E-01	1.12E-04	1.57E-02	5.01E-03	4.90E-01	4.90E-01	1.14E+00	1.44E+00	1.71E-01	3.24E+00	4.89E-01	1.31E-04	1.57E-02	5.01E-03	5.10E-01
4279	475863.09	3856877.25	4.41E-01	1.18E-04	1.55E-02	5.16E-03	4.62E-01	4.60E-01	1.20E+00	1.42E+00	1.76E-01	3.25E+00	4.59E-01	1.38E-04	1.55E-02	5.16E-03	4.80E-01
4280	476363.09	3856877.25	3.66E-01	1.23E-04	1.46E-02	5.29E-03	3.86E-01	3.82E-01	1.25E+00	1.33E+00	1.81E-01	3.15E+00	3.82E-01	1.44E-04	1.46E-02	5.29E-03	4.02E-01
4281	476863.09	3856877.25	3.65E-01	1.29E-04	1.50E-02	5.40E-03	3.86E-01	3.81E-01	1.32E+00	1.37E+00	1.85E-01	3.25E+00	3.80E-01	1.51E-04	1.50E-02	5.40E-03	4.01E-01
4282	477363.09	3856877.25	3.69E-01	1.35E-04	1.55E-02	5.53E-03	3.90E-01	3.85E-01	1.38E+00	1.41E+00	1.89E-01	3.36E+00	3.84E-01	1.58E-04	1.55E-02	5.53E-03	4.05E-01
4283	477863.09	3856877.25	2.59E-01	1.37E-04	1.37E-02	5.44E-03	2.78E-01	2.70E-01	1.40E+00	1.25E+00	1.86E-01	3.11E+00	2.70E-01	1.61E-04	1.37E-02	5.44E-03	2.89E-01
4284	478363.09	3856877.25	2.56E-01	1.41E-04	1.45E-02	5.58E-03	2.77E-01	2.68E-01	1.44E+00	1.32E+00	1.91E-01	3.22E+00	2.67E-01	1.65E-04	1.45E-02	5.58E-03	2.87E-01
4285	478863.09	3856877.25	3.04E-01	1.42E-04	1.55E-02	5.61E-03	3.25E-01	3.17E-01	1.45E+00	1.42E+00	1.92E-01	3.37E+00	3.16E-01	1.66E-04	1.55E-02	5.61E-03	3.38E-01
4286	479363.09	3856877.25	3.50E-01	1.39E-04	1.69E-02	5.57E-03	3.72E-01	3.65E-01	1.42E+00	1.54E+00	1.91E-01	3.51E+00	3.64E-01	1.62E-04	1.69E-02	5.57E-03	3.87E-01
4287	479863.09	3856877.25	7.46E-01	1.55E-04	5.92E-02	1.43E-02	8.20E-01	7.78E-01	1.59E+00	5.40E+00	4.90E-01	8.26E+00	7.77E-01	1.82E-04	5.92E-02	1.43E-02	8.50E-01
4288	480363.09	3856877.25	1.26E+00	1.93E-04	6.40E-02	2.42E-02	1.35E+00	1.31E+00	1.97E+00	5.83E+00	8.28E-01	9.95E+00	1.31E+00	2.26E-04	6.40E-02	2.42E-02	1.40E+00
4289	480863.09	3856877.25	1.66E+00	2.43E-04	3.55E-02	1.15E-02	1.71E+00	1.73E+00	2.48E+00	3.24E+00	3.93E-01	7.84E+00	1.73E+00	2.84E-04	3.55E-02	1.15E-02	1.77E+00
4290	481363.09	3856877.25	1.85E+00	3.37E-04	2.87E-02	8.40E-03	1.89E+00	1.93E+00	3.44E+00	2.62E+00	2.87E-01	8.28E+00	1.93E+00	3.94E-04	2.87E-02	8.40E-03	1.96E+00
4291	481863.09	3856877.25	1.98E+00	4.02E-04	3.32E-02	9.49E-03	2.03E+00	2.07E+00	4.11E+00	3.02E+00	3.25E-01	9.53E+00	2.06E+00	4.71E-04	3.32E-02	9.49E-03	2.11E+00
4292	482363.09	3856877.25	1.98E+00	7.19E-04	3.89E-02	9.17E-03	2.03E+00	2.07E+00	7.35E+00	3.54E+00	3.14E-01	1.33E+01	2.06E+00	8.41E-04	3.89E-02	9.17E-03	2.11E+00
4293	482863.09	3856877.25	2.06E+00	9.61E-04	4.27E-02	8.40E-03	2.11E+00	2.15E+00	9.81E+00	3.90E+00	2.87E-01	1.61E+01	2.15E+00	1.12E-03	4.27E-02	8.40E-03	2.20E+00
4294	483363.09	3856877.25	2.21E+00	1.39E-03	4.62E-02	2.81E-02	2.29E+00	2.31E+00	1.42E+01	4.22E+00	9.61E-01	2.17E+01	2.30E+00	1.63E-03	4.62E-02	2.81E-02	2.38E+00
4295	483863.09	3856877.25	2.39E+00	2.22E-03	4.80E-02	2.61E-02	2.47E+00	2.50E+00	2.27E+01	4.38E+00	8.92E-01	3.04E+01	2.49E+00	2.60E-03	4.80E-02	2.61E-02	2.57E+00
4296	484363.09	3856877.25	2.66E+00	2.45E-03	4.73E-02	3.88E-02	2.75E+00	2.78E+00	2.50E+01	4.32E+00	1.33E+00	3.35E+01	2.77E+00	2.87E-03	4.73E-02	3.88E-02	2.86E+00
4297	484863.09	3856877.25	3.06E+00	2.61E-03	4.34E-02	4.20E-02	3.14E+00	3.19E+00	2.67E+01	3.96E+00	1.44E+00	3.53E+01	3.18E+00	3.05E-03	4.34E-02	4.20E-02	3.27E+00
4298	485363.09	3856877.25	3.69E+00	1.55E-03	3.57E-02	3.29E-02	3.76E+00	3.85E+00	1.58E+01	3.25E+00	1.12E+00	2.41E+01	3.84E+00	1.81E-03	3.57E-02	3.29E-02	3.91E+00
4299	485863.09	3856877.25	4.81E+00	9.16E-04	2.76E-02	3.69E-02	4.88E+00	5.02E+00	9.36E+00	2.52E+00	1.26E+00	1.82E+01	5.01E+00	1.07E-03	2.76E-02	3.69E-02	5.08E+00
4300	486363.09	3856877.25	1.15E+01	3.21E-04	3.28E-02	3.74E-02	1.16E+01	1.20E+01	3.28E+00	3.00E+00	1.28E+00	1.96E+01	1.20E+01	3.76E-04	3.28E-02	3.74E-02	1.21E+01
4301	486863.09	3856877.25	1.61E+01	2.58E-04	4.19E-02	1.61E-02	1.62E+01	1.68E+01	2.63E+00	3.82E+00	5.51E-01	2.38E+01	1.68E+01	3.01E-04	4.19E-02	1.61E-02	1.69E+01
4302	487363.09	3856877.25	6.65E+00	3.58E-04	4.81E-02	1.55E-02	6.71E+00	6.93E+00	3.66E+00	4.39E+00	5.30E-01	1.55E+01	6.92E+00	4.19E-04	4.81E-02	1.55E-02	6.98E+00
4303	487863.09	3856877.25	5.27E+00	3.94E-04	8.12E-02	1.31E-02	5.37E+00	5.50E+00	4.02E+00	7.41E+00	4.46E-01	1.74E+01	5.49E+00	4.61E-04	8.12E-02	1.31E-02	5.58E+00
4304	488363.09	3856877.25	4.40E+00	4.20E-04	6.73E-02	1.02E-02	4.48E+00	4.59E+00	4.29E+00	6.14E+00	3.48E-01	1.54E+01	4.58E+00	4.92E-04	6.73E-02	1.02E-02	4.66E+00
4305	488863.09	3856877.25	3.72E+00	4.21E-04	6.69E-02	9.42E-03	3.80E+00	3.88E+00	4.30E+00	6.10E+00	3.22E-01	1.46E+01	3.87E+00	4.92E-04	6.69E-02	9.42E-03	3.95E+00
4306	489363.09	3856877.25	3.23E+00	4.25E-04	8.11E-02	1.03E-02	3.33E+00	3.37E+00	4.34E+00	7.39E+00	3.54E-01	1.55E+01	3.37E+00	4.97E-04	8.11E-02	1.03E-02	3.46E+00
4307	489863.09	3856877.25	2.88E+00	3.60E-04	6.28E-02	1.07E-02	2.95E+00	3.00E+00	3.68E+00	5.72E+00	3.66E-01	1.28E+01	3.00E+00	4.21E-04	6.28E-02	1.07E-02	3.07E+00
4308	490363.09	3856877.25	2.59E+00	3.31E-04	6.80E-02	8.07E-03	2.67E+00	2.70E+00	3.38E+00	6.20E+00	2.76E-01	1.26E+01	2.70E+00	3.87E-04	6.80E-02	8.07E-03	2.77E+00
4309	490863.09	3856877.25	2.34E+00	2.58E-04	7.10E-02	9.26E-03	2.42E+00	2.45E+00	2.63E+00	6.47E+00	3.17E-01	1.19E+01	2.44E+00	3.02E-04	7.10E-02	9.26E-03	2.52E+00
4310	491363.09	3856877.25	2.16E+00	2.20E-04	6.73E-02	1.12E-02	2.24E+00	2.26E+00	2.25E+00	6.14E+00	3.83E-01	1.10E+01	2.25E+00	2.57E-04	6.73E-02	1.12E-02	2.33E+00
4311	491863.09	3856877.25	1.99E+00	1.93E-04	7.43E-02	1.27E-02	2.08E+00	2.08E+00	1.98E+00	6.77E+00	4.35E-01	1.13E+01	2.07E+00	2.26E-04	7.43E-02	1.27E-02	2.16E+00
4312	492363.09	3856877.25	1.51E+00	1.13E-04	1.39E-01	1.47E-02	1.66E+00	1.57E+00	1.15E+00	1.27E+01	5.02E-01	1.59E+01	1.57E+00	1.32E-04	1.39E-01	1.47E-02	1.73E+00
4313	492863.09	3856877.25	9.07E-01	1.01E-04	1.19E-01	9.47E-03	1.04E+00	9.46E-01	1.04E+00	1.08E+01	3.24E-01	1.31E+01	9.44E-01	1.19E-04	1.19E-01	9.47E-03	1.07E+00
4314	493363.09	3856877.25	5.06E-01	9.86E-05	5.23E-02	5.93E-03	5.64E-01	5.28E-01	1.01E+00	4.77E+00	2.03E-01	6.51E+00	5.27E-01	1.15E-04	5.23E-02	5.93E-03	5.85E-01
4315	493863.09	3856877.25	3.77E-01	7.82E-05	3.81E-02	5.12E-03	4.20E-01	3.93E-01	7.99E-01	3.48E+00	1.75E-01	4.84E+00	3.92E-01	9.15E-05	3.81E-02	5.12E-03	4.36E-01
4316	494363.09	3856877.25	3.04E-01	7.31E-05	3.04E-02	4.65E-03	3.39E-01	3.17E-01	7.47E-01	2.77E+00	1.59E-01	4.00E+00	3.16E-01	8.55E-05	3.04E-02	4.65E-03	3.51E-01
4317	494863.09	3856877.25	2.61E-01	7.25E-05	2.88E-02	4.63E-03	2.95E-01	2.73E-01	7.41E-01	2.62E+00	1.58E-01	3.79E+00	2.72E-01	8.48E-05	2.88E-02	4.63E-03	3.05E-01
4318	495363.09	3856877.25	2.53E-01	7.24E-05	2.74E-02	3.78E-03	2.84E-01	2.64E-01	7.40E-01	2.50E+00	1.29E-01	3.63E+00	2.63E-01	8.47E-05	2.74E-02	3.78E-03	2.95E-01
4319	495863.09	3856877.25	2.45E-01	7.14E-05	2.68E-02	4.06E-03	2.76E-01	2.55E-01	7.29E-01	2.45E+00	1.39E-01	3.57E+00	2.55E-01	8.35E-05	2.68E-02	4.06E-03	2.86E-01
4320	496363.09	3856877.25	2.37E-01	7.20E-05	2.64E-02	4.65E-03	2.68E-01	2.47E-01	7.36E-01	2.41E+00	1.59E-01	3.55E+00	2.47E-01	8.43E-05	2.64E-02	4.65E-03	2.78E-01
4321	496863.09	3856877.25	2.29E-01	7.24E-05	2.64E-02	4.72E-03	2.60E-01	2.39E-01	7.39E-01	2.41E+00	1.62E-01	3.55E+00	2.38E-01	8.47E-05	2.64E-02	4.72E-03	2.70E-01
4322	497363.09	3856877.25	2.51E-01	7.18E-05	2.58E-02	4.62E-03	2.82E-01	2.62E-01	7.34E-01	2.35E+00	1.58E-01	3.50E+00	2.61E-01	8.40E-05	2.58E-02	4.62E-03	2.92E-01
4323	497863.09	3856877.25	2.44E-01	7.09E-05	2.57E-02	4.64E-03	2.74E-01	2.55E-01	7.24E-01	2.34E+00	1.59E-01	3.48E+00	2.54E-01	8.29E-05	2.57E-02	4.64E-03	2.85E-01
4324	498363.09	3856877.25	2.64E-01	7.55E-05	2.64E-02	4.81E-03	2.95E-01	2.76E-01	7.72E-01	2.41E+00	1.65E-01	3.62E+00	2.75E-01	8.84E-05	2.64E-02	4.81E-03	3.06E-01
4325	471363.09	3857377.25	7.01E-01	1.05E-04	2.36E-02	7.69E-03	7.33E-01	7.32E-01	1.07E+00	2.15E+00	2.63E-01	4.22E+00	7.30E-01	1.22E-04	2.36E-02	7.69E-03	7.62E-01
4326	471863.09	3857377.25	6.97E-01	1.01E-04	2.39E-02	7.65E-03	7.28E-01	7.27E-01	1.03E+00	2.18E+00	2.62E-01	4.20E+00	7.25E-01	1.18E-04	2.39E-02	7.65E-03	7.57E-01
4327	472363.09	3857377.25	7.15E-01	1.04E-04	2.46E-02	8.03E-03	7.48E-01	7.46E-01	1.06E+00	2.24E+00	2.74E-01	4.32E+00	7.45E-01	1.21E-04	2.46E-02	8.03E-03	7.77E-01

4328	472863.09	3857377.25	7.45E-01	1.09E-04	2.55E-02	8.59E-03	7.79E-01	7.77E-01	1.12E+00	2.32E+00	2.94E-01	4.51E+00	7.76E-01	1.28E-04	2.55E-02	8.59E-03	8.10E-01
4329	473363.09	3857377.25	7.92E-01	1.20E-04	2.63E-02	9.34E-03	8.28E-01	8.26E-01	1.22E+00	2.40E+00	3.20E-01	4.77E+00	8.24E-01	1.40E-04	2.63E-02	9.34E-03	8.60E-01
4330	473863.09	3857377.25	8.62E-01	1.35E-04	2.67E-02	1.00E-02	8.99E-01	9.00E-01	1.38E+00	2.43E+00	3.43E-01	5.05E+00	8.98E-01	1.58E-04	2.67E-02	1.00E-02	9.35E-01
4331	474363.09	3857377.25	7.85E-01	1.12E-04	2.70E-02	8.85E-03	8.21E-01	8.19E-01	1.14E+00	2.46E+00	3.03E-01	4.73E+00	8.17E-01	1.31E-04	2.70E-02	8.85E-03	8.53E-01
4332	474863.09	3857377.25	4.92E-01	7.78E-05	2.43E-02	5.48E-03	5.22E-01	5.13E-01	7.95E-01	2.21E+00	1.88E-01	3.71E+00	5.12E-01	9.10E-05	2.43E-02	5.48E-03	5.42E-01
4333	475363.09	3857377.25	3.39E-01	8.22E-05	1.44E-02	4.22E-03	3.57E-01	3.53E-01	8.39E-01	1.31E+00	1.44E-01	2.65E+00	3.53E-01	9.61E-05	1.44E-02	4.22E-03	3.71E-01
4334	475863.09	3857377.25	3.37E-01	9.05E-05	1.48E-02	4.44E-03	3.56E-01	3.52E-01	9.25E-01	1.35E+00	1.52E-01	2.78E+00	3.51E-01	1.06E-04	1.48E-02	4.44E-03	3.70E-01
4335	476363.09	3857377.25	3.75E-01	9.93E-05	1.85E-02	4.63E-03	3.99E-01	3.92E-01	1.01E+00	1.69E+00	1.58E-01	3.25E+00	3.91E-01	1.16E-04	1.85E-02	4.63E-03	4.14E-01
4336	476863.09	3857377.25	3.83E-01	1.07E-04	1.73E-02	4.85E-03	4.05E-01	3.99E-01	1.10E+00	1.58E+00	1.66E-01	3.24E+00	3.98E-01	1.25E-04	1.73E-02	4.85E-03	4.21E-01
4337	477363.09	3857377.25	3.82E-01	1.14E-04	1.63E-02	5.08E-03	4.03E-01	3.98E-01	1.16E+00	1.49E+00	1.74E-01	3.22E+00	3.98E-01	1.33E-04	1.63E-02	5.08E-03	4.19E-01
4338	477863.09	3857377.25	3.28E-01	1.17E-04	1.37E-02	5.02E-03	3.47E-01	3.42E-01	1.20E+00	1.25E+00	1.72E-01	2.96E+00	3.42E-01	1.37E-04	1.37E-02	5.02E-03	3.60E-01
4339	478363.09	3857377.25	2.85E-01	1.22E-04	1.43E-02	5.24E-03	3.04E-01	2.97E-01	1.25E+00	1.30E+00	1.79E-01	3.03E+00	2.96E-01	1.43E-04	1.43E-02	5.24E-03	3.16E-01
4340	478863.09	3857377.25	2.85E-01	1.26E-04	1.49E-02	5.72E-03	3.05E-01	2.97E-01	1.29E+00	1.36E+00	1.96E-01	3.14E+00	2.96E-01	1.48E-04	1.49E-02	5.72E-03	3.17E-01
4341	479363.09	3857377.25	3.47E-01	1.37E-04	1.56E-02	5.98E-03	3.68E-01	3.62E-01	1.40E+00	1.42E+00	2.04E-01	3.39E+00	3.61E-01	1.60E-04	1.56E-02	5.98E-03	3.83E-01
4342	479863.09	3857377.25	6.34E-01	1.48E-04	3.09E-02	9.42E-03	6.75E-01	6.62E-01	1.51E+00	2.82E+00	3.22E-01	5.32E+00	6.60E-01	1.73E-04	3.09E-02	9.42E-03	7.01E-01
4343	480363.09	3857377.25	4.61E-01	1.52E-04	2.15E-02	8.20E-03	4.91E-01	4.81E-01	1.55E+00	1.96E+00	2.80E-01	4.28E+00	4.80E-01	1.78E-04	2.15E-02	8.20E-03	5.10E-01
4344	480863.09	3857377.25	1.56E+00	2.77E-04	2.90E-02	1.40E-02	1.61E+00	1.63E+00	2.83E+00	2.65E+00	4.80E-01	7.59E+00	1.63E+00	3.24E-04	2.90E-02	1.40E-02	1.67E+00
4345	481363.09	3857377.25	1.63E+00	2.75E-04	2.76E-02	1.15E-02	1.67E+00	1.70E+00	2.81E+00	2.52E+00	3.92E-01	7.43E+00	1.70E+00	3.22E-04	2.76E-02	1.15E-02	1.74E+00
4346	481863.09	3857377.25	1.78E+00	3.42E-04	2.47E-02	9.99E-03	1.81E+00	1.86E+00	3.49E+00	2.25E+00	3.42E-01	7.94E+00	1.85E+00	4.00E-04	2.47E-02	9.99E-03	1.89E+00
4347	482363.09	3857377.25	1.82E+00	5.06E-04	2.76E-02	9.52E-03	1.86E+00	1.90E+00	5.17E+00	2.51E+00	3.26E-01	9.92E+00	1.90E+00	5.92E-04	2.76E-02	9.52E-03	1.94E+00
4348	482863.09	3857377.25	1.85E+00	6.37E-04	3.02E-02	1.63E-02	1.89E+00	1.93E+00	6.51E+00	2.75E+00	5.57E-01	1.17E+01	1.92E+00	7.45E-04	3.02E-02	1.63E-02	1.97E+00
4349	483363.09	3857377.25	1.93E+00	7.61E-04	3.29E-02	2.08E-02	1.99E+00	2.02E+00	7.78E+00	3.00E+00	7.13E-01	1.35E+01	2.01E+00	8.91E-04	3.29E-02	2.08E-02	2.07E+00
4350	483863.09	3857377.25	2.08E+00	1.10E-03	3.72E-02	2.84E-02	2.15E+00	2.17E+00	1.13E+01	3.39E+00	9.71E-01	1.78E+01	2.17E+00	1.29E-03	3.72E-02	2.84E-02	2.24E+00
4351	484363.09	3857377.25	2.21E+00	2.00E-03	4.45E-02	7.94E-03	2.27E+00	2.31E+00	2.04E+01	4.06E+00	2.72E-01	2.70E+01	2.30E+00	2.34E-03	4.45E-02	7.94E-03	2.36E+00
4352	484863.09	3857377.25	2.45E+00	2.11E-03	5.21E-02	1.31E-02	2.51E+00	2.55E+00	2.15E+01	4.75E+00	4.48E-01	2.93E+01	2.55E+00	2.47E-03	5.21E-02	1.31E-02	2.61E+00
4353	485363.09	3857377.25	2.75E+00	2.54E-03	5.60E-02	1.58E-02	2.83E+00	2.87E+00	2.59E+01	5.10E+00	5.41E-01	3.44E+01	2.87E+00	2.97E-03	5.60E-02	1.58E-02	2.94E+00
4354	485863.09	3857377.25	3.52E+00	1.97E-03	5.30E-02	2.45E-02	3.60E+00	3.67E+00	2.01E+01	4.83E+00	8.37E-01	2.94E+01	3.67E+00	2.30E-03	5.30E-02	2.45E-02	3.75E+00
4355	486363.09	3857377.25	4.89E+00	9.06E-04	5.54E-02	1.29E-02	4.96E+00	5.10E+00	9.26E+00	5.05E+00	4.41E-01	1.98E+01	5.09E+00	1.06E-03	5.54E-02	1.29E-02	5.16E+00
4356	486863.09	3857377.25	9.34E+00	3.79E-04	4.66E-02	1.65E-02	9.40E+00	9.74E+00	3.88E+00	4.25E+00	5.64E-01	1.84E+01	9.72E+00	4.44E-04	4.66E-02	1.65E-02	9.79E+00
4357	487363.09	3857377.25	9.91E+00	3.76E-04	5.78E-02	1.19E-02	9.98E+00	1.03E+01	3.84E+00	5.27E+00	4.06E-01	1.99E+01	1.03E+01	4.40E-04	5.78E-02	1.19E-02	1.04E+01
4358	487863.09	3857377.25	6.16E+00	5.22E-04	1.10E-01	1.00E-02	6.28E+00	6.42E+00	5.33E+00	1.00E+01	3.43E-01	2.21E+01	6.41E+00	6.11E-04	1.10E-01	1.00E-02	6.53E+00
4359	488363.09	3857377.25	5.22E+00	5.74E-04	8.67E-02	9.99E-03	5.31E+00	5.44E+00	5.87E+00	7.91E+00	3.42E-01	1.96E+01	5.43E+00	6.72E-04	8.67E-02	9.99E-03	5.53E+00
4360	488863.09	3857377.25	4.30E+00	5.77E-04	1.03E-01	1.10E-02	4.41E+00	4.49E+00	5.89E+00	9.38E+00	3.76E-01	2.01E+01	4.48E+00	6.74E-04	1.03E-01	1.10E-02	4.59E+00
4361	489363.09	3857377.25	3.61E+00	5.43E-04	1.03E-01	1.14E-02	3.73E+00	3.77E+00	5.54E+00	9.38E+00	3.89E-01	1.91E+01	3.76E+00	6.35E-04	1.03E-01	1.14E-02	3.88E+00
4362	489863.09	3857377.25	3.20E+00	4.47E-04	8.06E-02	9.44E-03	3.29E+00	3.34E+00	4.57E+00	7.35E+00	3.23E-01	1.56E+01	3.33E+00	5.23E-04	8.06E-02	9.44E-03	3.43E+00
4363	490363.09	3857377.25	2.87E+00	3.42E-04	8.48E-02	9.10E-03	2.96E+00	2.99E+00	3.49E+00	7.73E+00	3.11E-01	1.45E+01	2.99E+00	4.00E-04	8.48E-02	9.10E-03	3.08E+00
4364	490863.09	3857377.25	2.56E+00	2.77E-04	8.27E-02	9.66E-03	2.65E+00	2.67E+00	2.83E+00	7.54E+00	3.31E-01	1.34E+01	2.66E+00	3.24E-04	8.27E-02	9.66E-03	2.75E+00
4365	491363.09	3857377.25	2.34E+00	2.52E-04	7.40E-02	9.32E-03	2.42E+00	2.44E+00	2.57E+00	6.75E+00	3.19E-01	1.21E+01	2.43E+00	2.95E-04	7.40E-02	9.32E-03	2.52E+00
4366	491863.09	3857377.25	2.18E+00	1.95E-04	9.09E-02	1.20E-02	2.29E+00	2.28E+00	2.00E+00	8.29E+00	4.09E-01	1.30E+01	2.27E+00	2.29E-04	9.09E-02	1.20E-02	2.38E+00
4367	492363.09	3857377.25	1.48E+00	1.17E-04	1.48E-01	1.73E-02	1.65E+00	1.55E+00	1.20E+00	1.35E+01	5.92E-01	1.69E+01	1.55E+00	1.37E-04	1.48E-01	1.73E-02	1.71E+00
4368	492863.09	3857377.25	7.13E-01	9.44E-05	7.32E-02	8.10E-03	7.94E-01	7.44E-01	9.65E-01	6.68E+00	2.77E-01	8.66E+00	7.42E-01	1.10E-04	7.32E-02	8.10E-03	8.24E-01
4369	493363.09	3857377.25	4.81E-01	7.18E-05	4.42E-02	5.48E-03	5.31E-01	5.02E-01	7.33E-01	4.03E+00	1.87E-01	5.46E+00	5.01E-01	8.40E-05	4.42E-02	5.48E-03	5.50E-01
4370	493863.09	3857377.25	4.38E-01	7.10E-05	3.77E-02	5.21E-03	4.81E-01	4.57E-01	7.25E-01	3.44E+00	1.78E-01	4.80E+00	4.56E-01	8.31E-05	3.77E-02	5.21E-03	4.99E-01
4371	494363.09	3857377.25	3.75E-01	6.83E-05	3.66E-02	5.06E-03	4.17E-01	3.92E-01	6.97E-01	3.34E+00	1.73E-01	4.60E+00	3.91E-01	7.99E-05	3.66E-02	5.06E-03	4.33E-01
4372	494863.09	3857377.25	3.45E-01	6.92E-05	3.36E-02	5.09E-03	3.84E-01	3.60E-01	7.07E-01	3.06E+00	1.74E-01	4.30E+00	3.60E-01	8.09E-05	3.36E-02	5.09E-03	3.98E-01
4373	495363.09	3857377.25	2.86E-01	6.93E-05	3.23E-02	5.02E-03	3.23E-01	2.98E-01	7.08E-01	2.95E+00	1.72E-01	4.13E+00	2.97E-01	8.11E-05	3.23E-02	5.02E-03	3.35E-01
4374	495863.09	3857377.25	2.67E-01	6.87E-05	3.09E-02	4.93E-03	3.02E-01	2.78E-01	7.02E-01	2.81E+00	1.69E-01	3.96E+00	2.78E-01	8.04E-05	3.09E-02	4.93E-03	3.13E-01
4375	496363.09	3857377.25	2.92E-01	6.77E-05	2.95E-02	4.84E-03	3.26E-01	3.05E-01	6.91E-01	2.69E+00	1.65E-01	3.85E+00	3.04E-01	7.92E-05	2.95E-02	4.84E-03	3.38E-01
4376	496863.09	3857377.25	3.04E-01	6.64E-05	2.81E-02	4.79E-03	3.37E-01	3.17E-01	6.78E-01	2.56E+00	1.64E-01	3.72E+00	3.16E-01	7.77E-05	2.81E-02	4.79E-03	3.49E-01
4377	497363.09	3857377.25	2.98E-01	6.56E-05	2.90E-02	4.89E-03	3.32E-01	3.11E-01	6.70E-01	2.64E+00	1.67E-01	3.79E+00	3.11E-01	7.67E-05	2.90E-02	4.89E-03	3.45E-01
4378	497863.09	3857377.25	3.37E-01	6.45E-05	2.83E-02	4.93E-03	3.71E-01	3.52E-01	6.59E-01	2.58E+00	1.69E-01	3.76E+00	3.51E-01	7.54E-05	2.83E-02	4.93E-03	3.85E-01
4379	498363.09	3857377.25	4.22E-01	7.44E-05	3.10E-02	4.92E-03	4.58E-01	4.41E-01	7.60E-01	2.83E+00	1.68E-01	4.20E+00	4.40E-01	8.70E-05	3.10E-02	4.92E-03	4.76E-01
4380	471363.09	3857877.25	7.29E-01	1.05E-04	1.94E-02	7.48E-03	7.56E-01	7.61E-01	1.07E+00	1.77E+00	2.56E-01	3.86E+00	7.59E-01	1.23E-04	1.94E-02	7.48E-03	7.86E-01
4381	471863.09	3857877.25	7.38E-01	1.02E-04	2.00E-02	7.55E-03	7.65E-01	7.70E-01	1.04E+00	1.83E+00	2.58E-01	3.90E+00	7.68E-01	1.19E-04	2.00E-02	7.55E-03	7.96E-01
4382	472363.09	3857877.25	7.59E-01	1.04E-04	2.08E-02	7.90E-03	7.88E-01	7.92E-01	1.06E+00	1.90E+00	2.70E-01	4.02E+00	7.90E-01	1.21E-04	2.08E-02	7.90E-03	8.19E-01
4383	472863.09	3857877.25	8.05E-01	1.14E-04	2.17E-02	8.59E-03	8.35E-01	8.40E-01	1.17E+00	1.98E+00	2.94E-01	4.28E+00	8.38E-01	1.34E-04	2.17E-02	8.59E-03	8.69E-01
4384	473363.09	3857877.25	8.24E-01	1.16E-04	2.25E-02	8.97E-03	8.56E-01	8.60E-01	1.19E+00	2.05E+00	3.07E-01	4.41E+00	8.58E-01	1.36E-04	2.25E-02	8.97E-03	8.90E-01
4385	473863.09	3857877.25	8.70E-01	1.27E-04	2.31E-02	9.54E-03	9.03E-01	9.08E-01	1.30E+00	2.11E+00	3.26E-01	4.64E+00	9.06E-01	1.49E-04	2.31E-02	9.54E-03	9.39E-01
4386	474363.09	3857877.25	7.74E-01	9.15E-05	2.83E-02	1.35E-02	8.16E-01	8.07E-01	9.34E-01	2.58E+00	4.63E-01	4.78E+00	8.06E-01	1.07E-04	2.83E-02	1.35E-02	8.48E-01
4387	474863.09	3857877.25	4.92E-01	6.67E-05	2.05E-02	5.95E-03	5.19E-01	5.13E-01	6.81E-01	1.87E+00	2.04E-01	3.27E+00	5.12E-01	7.80E-05	2.05E-02	5.95E-03	5.39E-01
4388	475363.09	3857877.25	2.88E-01	6.12E-05	1.41E-02	4.07E-03	3.06E-01	3.00E-01	6.26E-01	1.29E+00	1.39E-01	2.35E+00	3.00E-01	7.16E-05	1.41E-02	4.07E-03	3.18E-01

4389	475863.09	3857877.25	2.20E-01	5.59E-05	1.25E-02	3.80E-03	2.36E-01	2.29E-01	5.72E-01	1.14E+00	1.30E-01	2.07E+00	2.29E-01	6.55E-05	1.25E-02	3.80E-03	2.45E-01
4390	476363.09	3857877.25	3.16E-01	6.67E-05	1.50E-02	4.57E-03	3.36E-01	3.30E-01	6.81E-01	1.37E+00	1.56E-01	2.54E+00	3.29E-01	7.80E-05	1.50E-02	4.57E-03	3.49E-01
4391	476863.09	3857877.25	3.87E-01	7.01E-05	1.75E-02	4.80E-03	4.10E-01	4.04E-01	7.17E-01	1.60E+00	1.64E-01	2.88E+00	4.03E-01	8.21E-05	1.75E-02	4.80E-03	4.26E-01
4392	477363.09	3857877.25	3.88E-01	7.90E-05	1.82E-02	5.00E-03	4.11E-01	4.04E-01	8.07E-01	1.66E+00	1.71E-01	3.04E+00	4.04E-01	9.24E-05	1.82E-02	5.00E-03	4.27E-01
4393	477863.09	3857877.25	3.37E-01	8.93E-05	1.81E-02	5.20E-03	3.61E-01	3.52E-01	9.12E-01	1.65E+00	1.78E-01	3.09E+00	3.51E-01	1.04E-04	1.81E-02	5.20E-03	3.75E-01
4394	478363.09	3857877.25	3.05E-01	1.00E-04	1.68E-02	5.26E-03	3.27E-01	3.18E-01	1.03E+00	1.53E+00	1.80E-01	3.05E+00	3.17E-01	1.17E-04	1.68E-02	5.26E-03	3.39E-01
4395	478863.09	3857877.25	2.94E-01	1.01E-04	1.56E-02	5.78E-03	3.16E-01	3.07E-01	1.03E+00	1.43E+00	1.98E-01	2.96E+00	3.06E-01	1.18E-04	1.56E-02	5.78E-03	3.28E-01
4396	479363.09	3857877.25	6.45E-01	1.17E-04	3.71E-02	9.87E-03	6.92E-01	6.73E-01	1.20E+00	3.38E+00	3.38E-01	5.59E+00	6.71E-01	1.37E-04	3.71E-02	9.87E-03	7.18E-01
4397	479863.09	3857877.25	1.17E+00	2.16E-04	4.46E-02	1.96E-02	1.23E+00	1.22E+00	2.21E+00	4.07E+00	6.71E-01	8.17E+00	1.22E+00	2.53E-04	4.46E-02	1.96E-02	1.28E+00
4398	480363.09	3857877.25	1.36E+00	2.47E-04	3.66E-02	1.47E-02	1.41E+00	1.42E+00	2.52E+00	3.34E+00	5.03E-01	7.78E+00	1.42E+00	2.88E-04	3.66E-02	1.47E-02	1.47E+00
4399	480863.09	3857877.25	1.42E+00	2.68E-04	3.49E-02	1.09E-02	1.47E+00	1.48E+00	2.73E+00	3.18E+00	3.74E-01	7.77E+00	1.48E+00	3.13E-04	3.49E-02	1.09E-02	1.53E+00
4400	481363.09	3857877.25	1.48E+00	3.26E-04	3.52E-02	1.09E-02	1.52E+00	1.54E+00	3.33E+00	3.21E+00	3.74E-01	8.46E+00	1.54E+00	3.81E-04	3.52E-02	1.09E-02	1.59E+00
4401	481863.09	3857877.25	1.57E+00	3.63E-04	3.33E-02	1.13E-02	1.61E+00	1.64E+00	3.70E+00	3.04E+00	3.85E-01	8.76E+00	1.63E+00	4.24E-04	3.33E-02	1.13E-02	1.68E+00
4402	482363.09	3857877.25	1.65E+00	4.62E-04	2.99E-02	1.19E-02	1.69E+00	1.72E+00	4.72E+00	2.73E+00	4.07E-01	9.58E+00	1.72E+00	5.41E-04	2.99E-02	1.19E-02	1.76E+00
4403	482863.09	3857877.25	1.60E+00	5.65E-04	3.18E-02	1.89E-02	1.65E+00	1.67E+00	5.77E+00	2.90E+00	6.46E-01	1.10E+01	1.67E+00	6.61E-04	3.18E-02	1.89E-02	1.72E+00
4404	483363.09	3857877.25	1.69E+00	6.05E-04	3.38E-02	2.31E-02	1.75E+00	1.76E+00	6.19E+00	3.09E+00	7.91E-01	1.18E+01	1.76E+00	7.08E-04	3.38E-02	2.31E-02	1.82E+00
4405	483863.09	3857877.25	1.79E+00	7.38E-04	3.64E-02	1.31E-02	1.84E+00	1.87E+00	7.54E+00	3.32E+00	4.47E-01	1.32E+01	1.87E+00	8.63E-04	3.64E-02	1.31E-02	1.92E+00
4406	484363.09	3857877.25	1.90E+00	1.07E-03	3.93E-02	1.47E-02	1.95E+00	1.98E+00	1.09E+01	3.59E+00	5.02E-01	1.70E+01	1.98E+00	1.25E-03	3.93E-02	1.47E-02	2.03E+00
4407	484863.09	3857877.25	2.08E+00	1.27E-03	4.28E-02	7.84E-03	2.13E+00	2.17E+00	1.30E+01	3.91E+00	2.68E-01	1.93E+01	2.16E+00	1.49E-03	4.28E-02	7.84E-03	2.21E+00
4408	485363.09	3857877.25	2.31E+00	1.37E-03	4.70E-02	1.10E-02	2.37E+00	2.41E+00	1.40E+01	4.29E+00	3.75E-01	2.11E+01	2.40E+00	1.60E-03	4.70E-02	1.10E-02	2.46E+00
4409	485863.09	3857877.25	2.81E+00	1.87E-03	5.33E-02	1.08E-02	2.88E+00	2.93E+00	1.91E+01	4.86E+00	3.69E-01	2.72E+01	2.93E+00	2.18E-03	5.33E-02	1.08E-02	2.99E+00
4410	486363.09	3857877.25	3.72E+00	2.83E-03	6.23E-02	1.47E-02	3.80E+00	3.88E+00	2.89E+01	5.68E+00	5.03E-01	3.90E+01	3.87E+00	3.31E-03	6.23E-02	1.47E-02	3.95E+00
4411	486863.09	3857877.25	4.42E+00	1.19E-03	7.09E-02	1.20E-02	4.50E+00	4.61E+00	1.21E+01	6.46E+00	4.09E-01	2.36E+01	4.60E+00	1.39E-03	7.09E-02	1.20E-02	4.69E+00
4412	487363.09	3857877.25	5.54E+00	8.19E-04	1.19E-01	1.50E-02	5.67E+00	5.78E+00	8.36E+00	1.09E+01	5.14E-01	2.55E+01	5.77E+00	9.58E-04	1.19E-01	1.50E-02	5.90E+00
4413	487863.09	3857877.25	5.94E+00	7.16E-04	2.08E-01	1.12E-02	6.16E+00	6.20E+00	7.31E+00	1.89E+01	3.83E-01	3.28E+01	6.19E+00	8.38E-04	2.08E-01	1.12E-02	6.41E+00
4414	488363.09	3857877.25	5.15E+00	7.81E-04	2.54E-01	1.23E-02	5.42E+00	5.37E+00	7.97E+00	2.32E+01	4.20E-01	3.70E+01	5.36E+00	9.13E-04	2.54E-01	1.23E-02	5.63E+00
4415	488863.09	3857877.25	4.91E+00	7.80E-04	1.84E-01	1.52E-02	5.11E+00	5.13E+00	7.97E+00	1.68E+01	5.19E-01	3.04E+01	5.12E+00	9.12E-04	1.84E-01	1.52E-02	5.32E+00
4416	489363.09	3857877.25	4.45E+00	6.27E-04	1.24E-01	1.38E-02	4.59E+00	4.65E+00	6.40E+00	1.13E+01	4.73E-01	2.29E+01	4.64E+00	7.33E-04	1.24E-01	1.38E-02	4.78E+00
4417	489863.09	3857877.25	3.78E+00	4.83E-04	9.88E-02	8.48E-03	3.89E+00	3.94E+00	4.93E+00	9.01E+00	2.90E-01	1.82E+01	3.94E+00	5.65E-04	9.88E-02	8.48E-03	4.04E+00
4418	490363.09	3857877.25	3.20E+00	3.72E-04	8.70E-02	8.87E-03	3.29E+00	3.34E+00	3.80E+00	7.93E+00	3.03E-01	1.54E+01	3.33E+00	4.35E-04	8.70E-02	8.87E-03	3.43E+00
4419	490863.09	3857877.25	2.82E+00	3.44E-04	7.99E-02	8.05E-03	2.91E+00	2.94E+00	3.52E+00	7.29E+00	2.75E-01	1.40E+01	2.94E+00	4.03E-04	7.99E-02	8.05E-03	3.02E+00
4420	491363.09	3857877.25	2.56E+00	2.41E-04	8.39E-02	1.28E-02	2.66E+00	2.67E+00	2.46E+00	7.65E+00	4.39E-01	1.32E+01	2.67E+00	2.81E-04	8.39E-02	1.28E-02	2.76E+00
4421	491863.09	3857877.25	2.28E+00	1.71E-04	1.09E-01	1.98E-02	2.41E+00	2.38E+00	1.75E+00	9.98E+00	6.76E-01	1.48E+01	2.37E+00	2.00E-04	1.09E-01	1.98E-02	2.50E+00
4422	492363.09	3857877.25	1.23E+00	1.24E-04	1.08E-01	1.25E-02	1.35E+00	1.28E+00	1.27E+00	9.84E+00	4.26E-01	1.28E+01	1.28E+00	1.45E-04	1.08E-01	1.25E-02	1.40E+00
4423	492863.09	3857877.25	6.83E-01	9.16E-05	5.47E-02	6.54E-03	7.44E-01	7.13E-01	9.36E-01	4.99E+00	2.24E-01	6.86E+00	7.11E-01	1.07E-04	5.47E-02	6.54E-03	7.73E-01
4424	493363.09	3857877.25	5.27E-01	8.49E-05	4.85E-02	5.57E-03	5.81E-01	5.50E-01	8.68E-01	4.42E+00	1.91E-01	6.03E+00	5.49E-01	9.94E-05	4.85E-02	5.57E-03	6.03E-01
4425	493863.09	3857877.25	4.52E-01	8.50E-05	4.51E-02	5.64E-03	5.03E-01	4.72E-01	8.69E-01	4.11E+00	1.93E-01	5.65E+00	4.71E-01	9.95E-05	4.51E-02	5.64E-03	5.22E-01
4426	494363.09	3857877.25	4.50E-01	8.46E-05	4.23E-02	5.77E-03	4.98E-01	4.70E-01	8.65E-01	3.85E+00	1.97E-01	5.38E+00	4.69E-01	9.90E-05	4.23E-02	5.77E-03	5.17E-01
4427	494863.09	3857877.25	3.80E-01	7.55E-05	3.55E-02	5.59E-03	4.21E-01	3.97E-01	7.71E-01	3.23E+00	1.91E-01	4.59E+00	3.96E-01	8.83E-05	3.55E-02	5.59E-03	4.37E-01
4428	495363.09	3857877.25	3.57E-01	7.48E-05	3.31E-02	5.32E-03	3.96E-01	3.73E-01	7.64E-01	3.02E+00	1.82E-01	4.34E+00	3.72E-01	8.75E-05	3.31E-02	5.32E-03	4.10E-01
4429	495863.09	3857877.25	3.56E-01	7.43E-05	3.13E-02	5.23E-03	3.92E-01	3.71E-01	7.59E-01	2.86E+00	1.79E-01	4.17E+00	3.70E-01	8.70E-05	3.13E-02	5.23E-03	4.07E-01
4430	496363.09	3857877.25	3.92E-01	7.40E-05	3.01E-02	5.39E-03	4.28E-01	4.09E-01	7.56E-01	2.75E+00	1.84E-01	4.10E+00	4.09E-01	8.66E-05	3.01E-02	5.39E-03	4.44E-01
4431	496863.09	3857877.25	3.89E-01	7.36E-05	2.88E-02	5.25E-03	4.23E-01	4.05E-01	7.52E-01	2.63E+00	1.80E-01	3.97E+00	4.05E-01	8.61E-05	2.88E-02	5.25E-03	4.39E-01
4432	497363.09	3857877.25	3.81E-01	8.22E-05	2.77E-02	5.04E-03	4.14E-01	3.98E-01	8.40E-01	2.53E+00	1.72E-01	3.94E+00	3.97E-01	9.61E-05	2.77E-02	5.04E-03	4.30E-01
4433	497863.09	3857877.25	4.02E-01	8.25E-05	2.98E-02	4.90E-03	4.37E-01	4.19E-01	8.43E-01	2.72E+00	1.68E-01	4.15E+00	4.19E-01	9.66E-05	2.98E-02	4.90E-03	4.53E-01
4434	498363.09	3857877.25	4.69E-01	9.21E-05	3.10E-02	4.92E-03	5.05E-01	4.90E-01	9.41E-01	2.82E+00	1.68E-01	4.42E+00	4.89E-01	1.08E-04	3.10E-02	4.92E-03	5.25E-01
4435	471363.09	3858377.25	7.38E-01	1.10E-04	1.40E-02	8.00E-03	7.60E-01	7.70E-01	1.12E+00	1.28E+00	2.74E-01	3.44E+00	7.68E-01	1.28E-04	1.40E-02	8.00E-03	7.90E-01
4436	471863.09	3858377.25	7.43E-01	1.08E-04	1.44E-02	8.32E-03	7.66E-01	7.76E-01	1.11E+00	1.31E+00	2.84E-01	3.48E+00	7.74E-01	1.27E-04	1.44E-02	8.32E-03	7.97E-01
4437	472363.09	3858377.25	7.45E-01	1.08E-04	1.48E-02	8.58E-03	7.68E-01	7.77E-01	1.10E+00	1.35E+00	2.94E-01	3.53E+00	7.76E-01	1.26E-04	1.48E-02	8.58E-03	7.99E-01
4438	472863.09	3858377.25	7.61E-01	1.14E-04	1.54E-02	8.89E-03	7.85E-01	7.94E-01	1.16E+00	1.40E+00	3.04E-01	3.66E+00	7.92E-01	1.33E-04	1.54E-02	8.89E-03	8.17E-01
4439	473363.09	3858377.25	8.05E-01	1.36E-04	1.60E-02	9.01E-03	8.30E-01	8.40E-01	1.39E+00	1.46E+00	3.08E-01	4.00E+00	8.38E-01	1.60E-04	1.60E-02	9.01E-03	8.63E-01
4440	473863.09	3858377.25	7.90E-01	1.24E-04	1.65E-02	9.46E-03	8.16E-01	8.25E-01	1.27E+00	1.50E+00	3.23E-01	3.92E+00	8.23E-01	1.45E-04	1.65E-02	9.46E-03	8.49E-01
4441	474363.09	3858377.25	7.11E-01	9.02E-05	1.67E-02	7.94E-03	7.36E-01	7.42E-01	9.22E-01	1.53E+00	2.71E-01	3.46E+00	7.40E-01	1.06E-04	1.67E-02	7.94E-03	7.65E-01
4442	474863.09	3858377.25	5.15E-01	7.17E-05	1.68E-02	6.28E-03	5.38E-01	5.37E-01	7.32E-01	1.53E+00	2.15E-01	3.02E+00	5.36E-01	8.38E-05	1.68E-02	6.28E-03	5.59E-01
4443	475363.09	3858377.25	3.82E-01	5.78E-05	1.72E-02	4.72E-03	4.04E-01	3.99E-01	5.91E-01	1.56E+00	1.61E-01	2.71E+00	3.98E-01	6.76E-05	1.72E-02	4.72E-03	4.20E-01
4444	475863.09	3858377.25	3.11E-01	5.94E-05	1.76E-02	4.56E-03	3.34E-01	3.25E-01	6.07E-01	1.61E+00	1.56E-01	2.69E+00	3.24E-01	6.95E-05	1.76E-02	4.56E-03	3.46E-01
4445	476363.09	3858377.25	3.23E-01	6.33E-05	1.82E-02	4.64E-03	3.46E-01	3.37E-01	6.46E-01	1.66E+00	1.59E-01	2.80E+00	3.36E-01	7.40E-05	1.82E-02	4.64E-03	3.59E-01
4446	476863.09	3858377.25	3.25E-01	6.74E-05	1.88E-02	4.69E-03	3.49E-01	3.40E-01	6.88E-01	1.71E+00	1.60E-01	2.90E+00	3.39E-01	7.88E-05	1.88E-02	4.69E-03	3.62E-01
4447	477363.09	3858377.25	3.21E-01	7.14E-05	1.94E-02	4.70E-03	3.46E-01	3.35E-01	7.30E-01	1.77E+00	1.61E-01	2.99E+00	3.35E-01	8.36E-05	1.94E-02	4.70E-03	3.59E-01
4448	477863.09	3858377.25	4.20E-01	7.52E-05	2.01E-02	4.77E-03	4.45E-01	4.39E-01	7.68E-01	1.83E+00	1.63E-01	3.20E+00	4.38E-01	8.79E-05	2.01E-02	4.77E-03	4.63E-01
4449	478363.09	3858377.25	4.34E-01	7.80E-05	2.08E-02	4.97E-03	4.60E-01	4.53E-01	7.97E-01	1.89E+00	1.70E-01	3.31E+00	4.52E-01	9.13E-05	2.08E-02	4.97E-03	4.78E-01

4450	478863.09	3858377.25	3.36E-01	7.99E-05	2.14E-02	5.03E-03	3.62E-01	3.50E-01	8.17E-01	1.95E+00	1.72E-01	3.29E+00	3.50E-01	9.35E-05	2.14E-02	5.03E-03	3.76E-01
4451	479363.09	3858377.25	6.93E-01	9.88E-05	3.18E-02	1.10E-02	7.36E-01	7.23E-01	1.01E+00	2.90E+00	3.77E-01	5.01E+00	7.22E-01	1.16E-04	3.18E-02	1.10E-02	7.65E-01
4452	479863.09	3858377.25	1.16E+00	1.94E-04	3.55E-02	1.85E-02	1.21E+00	1.21E+00	1.98E+00	3.23E+00	6.33E-01	7.06E+00	1.21E+00	2.27E-04	3.55E-02	1.85E-02	1.26E+00
4453	480363.09	3858377.25	1.26E+00	2.67E-04	3.30E-02	1.20E-02	1.30E+00	1.31E+00	2.72E+00	3.01E+00	4.12E-01	7.46E+00	1.31E+00	3.12E-04	3.30E-02	1.20E-02	1.35E+00
4454	480863.09	3858377.25	1.30E+00	2.85E-04	3.39E-02	9.29E-03	1.34E+00	1.36E+00	2.91E+00	3.09E+00	3.18E-01	7.68E+00	1.35E+00	3.34E-04	3.39E-02	9.29E-03	1.40E+00
4455	481363.09	3858377.25	1.38E+00	3.11E-04	3.48E-02	9.47E-03	1.42E+00	1.43E+00	3.17E+00	3.18E+00	3.24E-01	8.11E+00	1.43E+00	3.63E-04	3.48E-02	9.47E-03	1.48E+00
4456	481863.09	3858377.25	1.44E+00	3.18E-04	3.78E-02	1.10E-02	1.49E+00	1.50E+00	3.25E+00	3.45E+00	3.77E-01	8.58E+00	1.50E+00	3.72E-04	3.78E-02	1.10E-02	1.55E+00
4457	482363.09	3858377.25	1.54E+00	3.54E-04	3.76E-02	1.42E-02	1.59E+00	1.60E+00	3.62E+00	3.43E+00	4.86E-01	9.14E+00	1.60E+00	4.15E-04	3.76E-02	1.42E-02	1.65E+00
4458	482863.09	3858377.25	1.60E+00	4.82E-04	3.34E-02	1.72E-02	1.65E+00	1.67E+00	4.92E+00	3.05E+00	5.87E-01	1.02E+01	1.67E+00	5.64E-04	3.34E-02	1.72E-02	1.72E+00
4459	483363.09	3858377.25	1.58E+00	6.23E-04	3.49E-02	1.00E-02	1.62E+00	1.65E+00	6.36E+00	3.18E+00	3.43E-01	1.15E+01	1.64E+00	7.28E-04	3.49E-02	1.00E-02	1.69E+00
4460	483863.09	3858377.25	1.60E+00	7.04E-04	3.51E-02	8.89E-03	1.65E+00	1.67E+00	7.19E+00	3.20E+00	3.04E-01	1.24E+01	1.67E+00	8.23E-04	3.51E-02	8.89E-03	1.71E+00
4461	484363.09	3858377.25	1.68E+00	7.90E-04	3.85E-02	1.03E-02	1.73E+00	1.76E+00	8.07E+00	3.51E+00	3.51E-01	1.37E+01	1.75E+00	9.24E-04	3.85E-02	1.03E-02	1.80E+00
4462	484863.09	3858377.25	1.85E+00	1.06E-03	4.32E-02	8.38E-03	1.90E+00	1.93E+00	1.08E+01	3.94E+00	2.87E-01	1.69E+01	1.92E+00	1.23E-03	4.32E-02	8.38E-03	1.98E+00
4463	485363.09	3858377.25	2.01E+00	1.19E-03	4.92E-02	9.37E-03	2.07E+00	2.09E+00	1.21E+01	4.48E+00	3.20E-01	1.90E+01	2.09E+00	1.39E-03	4.92E-02	9.37E-03	2.15E+00
4464	485863.09	3858377.25	2.34E+00	1.67E-03	5.72E-02	1.27E-02	2.41E+00	2.44E+00	1.70E+01	5.22E+00	4.36E-01	2.51E+01	2.44E+00	1.95E-03	5.72E-02	1.27E-02	2.51E+00
4465	486363.09	3858377.25	2.83E+00	2.58E-03	6.24E-02	3.44E-02	2.93E+00	2.95E+00	2.64E+01	5.69E+00	1.18E+00	3.62E+01	2.95E+00	3.02E-03	6.24E-02	3.44E-02	3.05E+00
4466	486863.09	3858377.25	3.75E+00	2.60E-03	7.29E-02	1.96E-02	3.85E+00	3.92E+00	2.65E+01	6.65E+00	6.70E-01	3.78E+01	3.91E+00	3.04E-03	7.29E-02	1.96E-02	4.00E+00
4467	487363.09	3858377.25	4.32E+00	1.44E-03	7.55E-02	1.28E-02	4.41E+00	4.51E+00	1.47E+01	6.88E+00	4.37E-01	2.65E+01	4.50E+00	1.68E-03	7.55E-02	1.28E-02	4.59E+00
4468	487863.09	3858377.25	4.03E+00	1.08E-03	7.31E-02	2.16E-02	4.13E+00	4.21E+00	1.10E+01	6.67E+00	7.39E-01	2.26E+01	4.20E+00	1.26E-03	7.31E-02	2.16E-02	4.30E+00
4469	488363.09	3858377.25	4.01E+00	1.17E-03	1.76E-01	1.38E-02	4.20E+00	4.18E+00	1.20E+01	1.61E+01	4.71E-01	3.27E+01	4.17E+00	1.37E-03	1.76E-01	1.38E-02	4.36E+00
4470	488863.09	3858377.25	4.37E+00	9.88E-04	1.80E-01	1.34E-02	4.56E+00	4.56E+00	1.01E+01	1.64E+01	4.58E-01	3.15E+01	4.55E+00	1.16E-03	1.80E-01	1.34E-02	4.74E+00
4471	489363.09	3858377.25	4.25E+00	7.60E-04	1.06E-01	1.20E-02	4.36E+00	4.43E+00	7.76E+00	9.65E+00	4.09E-01	2.23E+01	4.42E+00	8.89E-04	1.06E-01	1.20E-02	4.54E+00
4472	489863.09	3858377.25	3.41E+00	5.75E-04	9.12E-02	9.86E-03	3.52E+00	3.56E+00	5.88E+00	8.32E+00	3.37E-01	1.81E+01	3.55E+00	6.73E-04	9.12E-02	9.86E-03	3.66E+00
4473	490363.09	3858377.25	3.20E+00	4.89E-04	7.72E-02	8.44E-03	3.29E+00	3.34E+00	5.00E+00	7.04E+00	2.89E-01	1.57E+01	3.33E+00	5.73E-04	7.72E-02	8.44E-03	3.42E+00
4474	490863.09	3858377.25	2.90E+00	4.10E-04	6.99E-02	8.57E-03	2.98E+00	3.03E+00	4.19E+00	6.38E+00	2.93E-01	1.39E+01	3.02E+00	4.79E-04	6.99E-02	8.57E-03	3.10E+00
4475	491363.09	3858377.25	2.81E+00	2.85E-04	7.71E-02	1.33E-02	2.90E+00	2.93E+00	2.91E+00	7.03E+00	4.55E-01	1.33E+01	2.93E+00	3.34E-04	7.71E-02	1.33E-02	3.02E+00
4476	491863.09	3858377.25	2.26E+00	1.64E-04	1.73E-01	2.15E-02	2.46E+00	2.36E+00	1.68E+00	1.58E+01	7.36E-01	2.06E+01	2.35E+00	1.92E-04	1.73E-01	2.15E-02	2.55E+00
4477	492363.09	3858377.25	7.28E-01	1.22E-04	9.20E-02	6.62E-03	8.27E-01	7.60E-01	1.25E+00	8.39E+00	2.26E-01	1.06E+01	7.59E-01	1.43E-04	9.20E-02	6.62E-03	8.57E-01
4478	492863.09	3858377.25	1.00E+00	1.31E-04	1.30E-01	8.57E-03	1.14E+00	1.04E+00	1.34E+00	1.19E+01	2.93E-01	1.45E+01	1.04E+00	1.53E-04	1.30E-01	8.57E-03	1.18E+00
4479	493363.09	3858377.25	6.25E-01	1.22E-04	6.41E-02	6.54E-03	6.96E-01	6.52E-01	1.24E+00	5.85E+00	2.24E-01	7.97E+00	6.51E-01	1.42E-04	6.41E-02	6.54E-03	7.22E-01
4480	493863.09	3858377.25	6.06E-01	1.16E-04	4.98E-02	6.51E-03	6.62E-01	6.32E-01	1.19E+00	4.54E+00	2.23E-01	6.59E+00	6.31E-01	1.36E-04	4.98E-02	6.51E-03	6.87E-01
4481	494363.09	3858377.25	6.06E-01	1.17E-04	4.42E-02	6.33E-03	6.57E-01	6.32E-01	1.20E+00	4.03E+00	2.17E-01	6.08E+00	6.31E-01	1.37E-04	4.42E-02	6.33E-03	6.82E-01
4482	494863.09	3858377.25	4.98E-01	1.18E-04	3.98E-02	6.24E-03	5.44E-01	5.19E-01	1.21E+00	3.63E+00	2.13E-01	5.57E+00	5.18E-01	1.39E-04	3.98E-02	6.24E-03	5.65E-01
4483	495363.09	3858377.25	4.14E-01	1.04E-04	3.35E-02	5.61E-03	4.53E-01	4.32E-01	1.06E+00	3.06E+00	1.92E-01	4.74E+00	4.31E-01	1.21E-04	3.35E-02	5.61E-03	4.71E-01
4484	495863.09	3858377.25	4.27E-01	1.03E-04	3.18E-02	5.39E-03	4.64E-01	4.46E-01	1.05E+00	2.90E+00	1.84E-01	4.58E+00	4.45E-01	1.20E-04	3.18E-02	5.39E-03	4.82E-01
4485	496363.09	3858377.25	4.32E-01	1.01E-04	3.05E-02	5.15E-03	4.68E-01	4.51E-01	1.04E+00	2.78E+00	1.76E-01	4.45E+00	4.50E-01	1.19E-04	3.05E-02	5.15E-03	4.85E-01
4486	496863.09	3858377.25	5.02E-01	1.08E-04	2.97E-02	5.41E-03	5.37E-01	5.23E-01	1.11E+00	2.71E+00	1.85E-01	4.52E+00	5.22E-01	1.27E-04	2.97E-02	5.41E-03	5.57E-01
4487	497363.09	3858377.25	4.91E-01	1.20E-04	3.14E-02	5.39E-03	5.27E-01	5.12E-01	1.23E+00	2.86E+00	1.84E-01	4.78E+00	5.11E-01	1.40E-04	3.14E-02	5.39E-03	5.48E-01
4488	497863.09	3858377.25	6.16E-01	1.20E-04	3.52E-02	5.56E-03	6.57E-01	6.43E-01	1.22E+00	3.21E+00	1.90E-01	5.26E+00	6.41E-01	1.40E-04	3.52E-02	5.56E-03	6.82E-01
4489	498363.09	3858377.25	7.54E-01	1.30E-04	4.51E-02	6.31E-03	8.05E-01	7.86E-01	1.33E+00	4.12E+00	2.16E-01	6.45E+00	7.85E-01	1.52E-04	4.51E-02	6.31E-03	8.36E-01
4490	471363.09	3858877.25	6.78E-01	1.09E-04	1.90E-02	8.19E-03	7.05E-01	7.07E-01	1.11E+00	1.73E+00	2.80E-01	3.83E+00	7.06E-01	1.27E-04	1.90E-02	8.19E-03	7.33E-01
4491	471863.09	3858877.25	6.89E-01	1.05E-04	2.02E-02	8.16E-03	7.18E-01	7.19E-01	1.07E+00	1.84E+00	2.79E-01	3.91E+00	7.18E-01	1.23E-04	2.02E-02	8.16E-03	7.46E-01
4492	472363.09	3858877.25	7.47E-01	1.14E-04	2.16E-02	8.05E-03	7.76E-01	7.79E-01	1.16E+00	1.97E+00	2.75E-01	4.19E+00	7.77E-01	1.33E-04	2.16E-02	8.05E-03	8.07E-01
4493	472863.09	3858877.25	7.91E-01	1.19E-04	2.31E-02	7.83E-03	8.23E-01	8.26E-01	1.22E+00	2.11E+00	2.68E-01	4.42E+00	8.24E-01	1.40E-04	2.31E-02	7.83E-03	8.55E-01
4494	473363.09	3858877.25	8.39E-01	1.37E-04	2.41E-02	7.38E-03	8.70E-01	8.75E-01	1.39E+00	2.20E+00	2.53E-01	4.72E+00	8.73E-01	1.60E-04	2.41E-02	7.38E-03	9.05E-01
4495	473863.09	3858877.25	8.39E-01	1.25E-04	2.65E-02	7.32E-03	8.73E-01	8.76E-01	1.27E+00	2.42E+00	2.50E-01	4.82E+00	8.74E-01	1.46E-04	2.65E-02	7.32E-03	9.08E-01
4496	474363.09	3858877.25	7.70E-01	8.91E-05	3.37E-02	8.78E-03	8.13E-01	8.04E-01	9.11E-01	3.08E+00	3.00E-01	5.09E+00	8.02E-01	1.04E-04	3.37E-02	8.78E-03	8.45E-01
4497	474863.09	3858877.25	3.73E-01	5.95E-05	1.46E-02	4.43E-03	3.92E-01	3.89E-01	6.07E-01	1.33E+00	1.52E-01	2.48E+00	3.88E-01	6.96E-05	1.46E-02	4.43E-03	4.07E-01
4498	475363.09	3858877.25	3.12E-01	5.98E-05	1.48E-02	4.26E-03	3.31E-01	3.25E-01	6.11E-01	1.35E+00	1.46E-01	2.43E+00	3.25E-01	7.00E-05	1.48E-02	4.26E-03	3.44E-01
4499	475863.09	3858877.25	3.11E-01	6.20E-05	1.50E-02	4.36E-03	3.31E-01	3.25E-01	6.33E-01	1.37E+00	1.49E-01	2.48E+00	3.24E-01	7.25E-05	1.50E-02	4.36E-03	3.43E-01
4500	476363.09	3858877.25	2.89E-01	5.77E-05	1.28E-02	4.37E-03	3.06E-01	3.02E-01	5.90E-01	1.16E+00	1.50E-01	2.21E+00	3.01E-01	6.75E-05	1.28E-02	4.37E-03	3.18E-01
4501	476863.09	3858877.25	3.07E-01	6.15E-05	1.53E-02	4.47E-03	3.27E-01	3.21E-01	6.28E-01	1.40E+00	1.53E-01	2.50E+00	3.20E-01	7.19E-05	1.53E-02	4.47E-03	3.40E-01
4502	477363.09	3858877.25	3.18E-01	6.20E-05	1.55E-02	4.57E-03	3.38E-01	3.31E-01	6.33E-01	1.41E+00	1.56E-01	2.53E+00	3.31E-01	7.25E-05	1.55E-02	4.57E-03	3.51E-01
4503	477863.09	3858877.25	3.35E-01	6.35E-05	1.57E-02	4.64E-03	3.55E-01	3.50E-01	6.49E-01	1.43E+00	1.59E-01	2.59E+00	3.49E-01	7.43E-05	1.57E-02	4.64E-03	3.69E-01
4504	478363.09	3858877.25	4.46E-01	7.27E-05	3.58E-02	6.03E-03	4.88E-01	4.65E-01	7.43E-01	3.27E+00	2.06E-01	4.68E+00	4.64E-01	8.50E-05	3.58E-02	6.03E-03	5.06E-01
4505	478863.09	3858877.25	4.25E-01	7.26E-05	2.44E-02	5.74E-03	4.55E-01	4.43E-01	7.41E-01	2.22E+00	1.96E-01	3.61E+00	4.43E-01	8.49E-05	2.44E-02	5.74E-03	4.73E-01
4506	479363.09	3858877.25	3.74E-01	6.47E-05	1.66E-02	4.96E-03	3.96E-01	3.90E-01	6.61E-01	1.51E+00	1.70E-01	2.73E+00	3.89E-01	7.56E-05	1.66E-02	4.96E-03	4.11E-01
4507	479863.09	3858877.25	1.13E+00	1.91E-04	4.86E-02	1.31E-02	1.19E+00	1.18E+00	1.95E+00	4.43E+00	4.47E-01	8.01E+00	1.18E+00	2.23E-04	4.86E-02	1.31E-02	1.24E+00
4508	480363.09	3858877.25	1.20E+00	2.40E-04	3.61E-02	8.93E-03	1.24E+00	1.25E+00	2.45E+00	3.29E+00	3.05E-01	7.30E+00	1.25E+00	2.81E-04	3.61E-02	8.93E-03	1.29E+00
4509	480863.09	3858877.25	1.25E+00	2.73E-04	2.84E-02	6.94E-03	1.29E+00	1.31E+00	2.79E+00	2.59E+00	2.37E-01	6.92E+00	1.30E+00	3.19E-04	2.84E-02	6.94E-03	1.34E+00
4510	481363.09	3858877.25	1.29E+00	2.91E-04	2.72E-02	7.57E-03	1.33E+00	1.35E+00	2.97E+00	2.48E+00	2.59E-01	7.06E+00	1.35E+00	3.40E-04	2.72E-02	7.57E-03	1.38E+00

4511	481863.09	3858877.25	1.36E+00	3.16E-04	2.81E-02	8.80E-03	1.39E+00	1.41E+00	3.22E+00	2.56E+00	3.01E-01	7.50E+00	1.41E+00	3.69E-04	2.81E-02	8.80E-03	1.45E+00
4512	482363.09	3858877.25	1.40E+00	3.18E-04	3.05E-02	1.36E-02	1.45E+00	1.46E+00	3.25E+00	2.78E+00	4.63E-01	7.96E+00	1.46E+00	3.72E-04	3.05E-02	1.36E-02	1.50E+00
4513	482863.09	3858877.25	1.45E+00	3.58E-04	3.44E-02	8.21E-03	1.49E+00	1.51E+00	3.66E+00	3.14E+00	2.81E-01	8.60E+00	1.51E+00	4.19E-04	3.44E-02	8.21E-03	1.55E+00
4514	483363.09	3858877.25	1.42E+00	5.79E-04	4.03E-02	8.84E-03	1.47E+00	1.48E+00	5.92E+00	3.68E+00	3.02E-01	1.14E+01	1.48E+00	6.78E-04	4.03E-02	8.84E-03	1.53E+00
4515	483863.09	3858877.25	1.47E+00	6.52E-04	4.60E-02	8.94E-03	1.52E+00	1.53E+00	6.66E+00	4.20E+00	3.06E-01	1.27E+01	1.53E+00	7.62E-04	4.60E-02	8.94E-03	1.58E+00
4516	484363.09	3858877.25	1.55E+00	7.55E-04	5.23E-02	1.05E-02	1.61E+00	1.61E+00	7.71E+00	4.77E+00	3.60E-01	1.44E+01	1.61E+00	8.83E-04	5.23E-02	1.05E-02	1.67E+00
4517	484863.09	3858877.25	1.66E+00	9.11E-04	5.66E-02	1.10E-02	1.73E+00	1.73E+00	9.30E+00	5.16E+00	3.77E-01	1.66E+01	1.73E+00	1.07E-03	5.66E-02	1.10E-02	1.80E+00
4518	485363.09	3858877.25	1.79E+00	1.16E-03	5.93E-02	1.21E-02	1.86E+00	1.86E+00	1.19E+01	5.41E+00	4.13E-01	1.95E+01	1.86E+00	1.36E-03	5.93E-02	1.21E-02	1.93E+00
4519	485863.09	3858877.25	2.07E+00	1.52E-03	6.68E-02	1.64E-02	2.15E+00	2.16E+00	1.56E+01	6.09E+00	5.60E-01	2.44E+01	2.15E+00	1.78E-03	6.68E-02	1.64E-02	2.24E+00
4520	486363.09	3858877.25	2.39E+00	2.44E-03	6.87E-02	1.21E-02	2.47E+00	2.49E+00	2.50E+01	6.27E+00	4.14E-01	3.41E+01	2.49E+00	2.86E-03	6.87E-02	1.21E-02	2.57E+00
4521	486863.09	3858877.25	2.95E+00	2.33E-03	6.35E-02	1.07E-02	3.03E+00	3.08E+00	2.38E+01	5.79E+00	3.67E-01	3.31E+01	3.08E+00	2.73E-03	6.35E-02	1.07E-02	3.15E+00
4522	487363.09	3858877.25	3.89E+00	2.58E-03	4.83E-02	1.26E-02	3.95E+00	4.06E+00	2.63E+01	4.40E+00	4.33E-01	3.52E+01	4.05E+00	3.02E-03	4.83E-02	1.26E-02	4.11E+00
4523	487863.09	3858877.25	4.13E+00	1.73E-03	2.90E-02	1.46E-02	4.17E+00	4.31E+00	1.77E+01	2.64E+00	4.98E-01	2.51E+01	4.30E+00	2.03E-03	2.90E-02	1.46E-02	4.34E+00
4524	488363.09	3858877.25	3.80E+00	1.83E-03	2.74E-02	1.51E-02	3.84E+00	3.97E+00	1.87E+01	2.50E+00	5.17E-01	2.57E+01	3.96E+00	2.14E-03	2.74E-02	1.51E-02	4.00E+00
4525	488863.09	3858877.25	3.53E+00	1.42E-03	5.81E-02	1.59E-02	3.60E+00	3.68E+00	1.45E+01	5.30E+00	5.44E-01	2.40E+01	3.67E+00	1.66E-03	5.81E-02	1.59E-02	3.75E+00
4526	489363.09	3858877.25	3.36E+00	1.01E-03	7.18E-02	1.22E-02	3.45E+00	3.51E+00	1.04E+01	6.55E+00	4.18E-01	2.08E+01	3.50E+00	1.19E-03	7.18E-02	1.22E-02	3.59E+00
4527	489863.09	3858877.25	3.73E+00	8.27E-04	6.65E-02	9.84E-03	3.81E+00	3.89E+00	8.45E+00	6.06E+00	3.37E-01	1.87E+01	3.88E+00	9.68E-04	6.65E-02	9.84E-03	3.96E+00
4528	490363.09	3858877.25	3.67E+00	6.43E-04	5.69E-02	1.02E-02	3.74E+00	3.83E+00	6.56E+00	5.19E+00	3.49E-01	1.59E+01	3.82E+00	7.52E-04	5.69E-02	1.02E-02	3.89E+00
4529	490863.09	3858877.25	3.59E+00	3.97E-04	6.00E-02	1.25E-02	3.66E+00	3.74E+00	4.06E+00	5.47E+00	4.27E-01	1.37E+01	3.74E+00	4.65E-04	6.00E-02	1.25E-02	3.81E+00
4530	491363.09	3858877.25	3.61E+00	2.43E-04	1.41E-01	1.66E-02	3.77E+00	3.77E+00	2.48E+00	1.28E+01	5.66E-01	1.96E+01	3.76E+00	2.84E-04	1.41E-01	1.66E-02	3.92E+00
4531	491863.09	3858877.25	1.83E+00	1.67E-04	1.54E-01	1.13E-02	2.00E+00	1.91E+00	1.70E+00	1.40E+01	3.88E-01	1.80E+01	1.91E+00	1.95E-04	1.54E-01	1.13E-02	2.07E+00
4532	492363.09	3858877.25	2.19E+00	1.69E-04	1.34E-01	1.95E-02	2.34E+00	2.28E+00	1.73E+00	1.23E+01	6.67E-01	1.69E+01	2.28E+00	1.98E-04	1.34E-01	1.95E-02	2.43E+00
4533	492863.09	3858877.25	2.25E+00	1.83E-04	8.73E-02	1.69E-02	2.35E+00	2.34E+00	1.87E+00	7.96E+00	5.78E-01	1.28E+01	2.34E+00	2.14E-04	8.73E-02	1.69E-02	2.44E+00
4534	493363.09	3858877.25	1.95E+00	1.73E-04	1.04E-01	1.66E-02	2.07E+00	2.03E+00	1.77E+00	9.45E+00	5.67E-01	1.38E+01	2.03E+00	2.02E-04	1.04E-01	1.66E-02	2.15E+00
4535	493863.09	3858877.25	1.31E+00	1.69E-04	1.04E-01	1.04E-02	1.42E+00	1.37E+00	1.73E+00	9.50E+00	3.57E-01	1.29E+01	1.36E+00	1.98E-04	1.04E-01	1.04E-02	1.48E+00
4536	494363.09	3858877.25	1.05E+00	1.44E-04	1.10E-01	9.92E-03	1.17E+00	1.10E+00	1.47E+00	1.01E+01	3.39E-01	1.30E+01	1.09E+00	1.69E-04	1.10E-01	9.92E-03	1.21E+00
4537	494863.09	3858877.25	7.57E-01	1.40E-04	7.01E-02	6.85E-03	8.34E-01	7.90E-01	1.43E+00	6.39E+00	2.34E-01	8.85E+00	7.89E-01	1.64E-04	7.01E-02	6.85E-03	8.66E-01
4538	495363.09	3858877.25	5.76E-01	1.29E-04	5.10E-02	6.44E-03	6.34E-01	6.01E-01	1.32E+00	4.66E+00	2.20E-01	6.80E+00	6.00E-01	1.51E-04	5.10E-02	6.44E-03	6.57E-01
4539	495863.09	3858877.25	5.76E-01	1.26E-04	4.48E-02	6.31E-03	6.27E-01	6.01E-01	1.29E+00	4.09E+00	2.16E-01	6.20E+00	5.99E-01	1.48E-04	4.48E-02	6.31E-03	6.51E-01
4540	496363.09	3858877.25	6.16E-01	1.23E-04	4.22E-02	6.27E-03	6.64E-01	6.42E-01	1.26E+00	3.85E+00	2.14E-01	5.96E+00	6.41E-01	1.44E-04	4.22E-02	6.27E-03	6.90E-01
4541	496863.09	3858877.25	6.57E-01	1.20E-04	4.10E-02	6.20E-03	7.05E-01	6.86E-01	1.23E+00	3.73E+00	2.12E-01	5.86E+00	6.84E-01	1.41E-04	4.10E-02	6.20E-03	7.32E-01
4542	497363.09	3858877.25	6.96E-01	1.18E-04	3.95E-02	6.09E-03	7.41E-01	7.26E-01	1.21E+00	3.61E+00	2.08E-01	5.75E+00	7.24E-01	1.38E-04	3.95E-02	6.09E-03	7.70E-01
4543	497863.09	3858877.25	9.28E-01	1.20E-04	6.37E-02	6.41E-03	9.98E-01	9.69E-01	1.23E+00	5.81E+00	2.19E-01	8.22E+00	9.67E-01	1.40E-04	6.37E-02	6.41E-03	1.04E+00
4544	498363.09	3858877.25	1.10E+00	1.20E-04	8.46E-02	7.17E-03	1.19E+00	1.15E+00	1.22E+00	7.72E+00	2.45E-01	1.03E+01	1.14E+00	1.40E-04	8.46E-02	7.17E-03	1.24E+00
4545	471363.09	3859377.25	7.38E-01	9.80E-05	2.97E-02	6.28E-03	7.74E-01	7.70E-01	1.00E+00	2.71E+00	2.15E-01	4.69E+00	7.69E-01	1.15E-04	2.97E-02	6.28E-03	8.05E-01
4546	471863.09	3859377.25	7.55E-01	9.94E-05	3.09E-02	6.15E-03	7.92E-01	7.88E-01	1.02E+00	2.82E+00	2.10E-01	4.83E+00	7.86E-01	1.16E-04	3.09E-02	6.15E-03	8.24E-01
4547	472363.09	3859377.25	7.84E-01	1.15E-04	3.10E-02	6.34E-03	8.21E-01	8.18E-01	1.17E+00	2.83E+00	2.17E-01	5.04E+00	8.16E-01	1.34E-04	3.10E-02	6.34E-03	8.54E-01
4548	472863.09	3859377.25	8.01E-01	1.22E-04	3.13E-02	6.54E-03	8.39E-01	8.36E-01	1.25E+00	2.86E+00	2.24E-01	5.17E+00	8.34E-01	1.43E-04	3.13E-02	6.54E-03	8.72E-01
4549	473363.09	3859377.25	8.25E-01	1.33E-04	3.06E-02	6.52E-03	8.62E-01	8.60E-01	1.36E+00	2.79E+00	2.23E-01	5.24E+00	8.59E-01	1.56E-04	3.06E-02	6.52E-03	8.96E-01
4550	473863.09	3859377.25	8.34E-01	1.34E-04	3.20E-02	6.54E-03	8.73E-01	8.70E-01	1.37E+00	2.92E+00	2.24E-01	5.38E+00	8.69E-01	1.57E-04	3.20E-02	6.54E-03	9.07E-01
4551	474363.09	3859377.25	7.86E-01	8.73E-05	4.84E-02	7.60E-03	8.42E-01	8.21E-01	8.91E-01	4.42E+00	2.60E-01	6.39E+00	8.19E-01	1.02E-04	4.84E-02	7.60E-03	8.75E-01
4552	474863.09	3859377.25	5.95E-01	6.83E-05	3.31E-02	5.32E-03	6.34E-01	6.21E-01	6.98E-01	3.02E+00	1.82E-01	4.52E+00	6.20E-01	7.99E-05	3.31E-02	5.32E-03	6.59E-01
4553	475363.09	3859377.25	3.61E-01	5.83E-05	1.09E-02	4.30E-03	3.77E-01	3.77E-01	5.96E-01	9.96E-01	1.47E-01	2.12E+00	3.76E-01	6.82E-05	1.09E-02	4.30E-03	3.92E-01
4554	475863.09	3859377.25	3.03E-01	5.55E-05	1.10E-02	4.10E-03	3.18E-01	3.16E-01	5.67E-01	1.00E+00	1.40E-01	2.02E+00	3.16E-01	6.49E-05	1.10E-02	4.10E-03	3.31E-01
4555	476363.09	3859377.25	3.17E-01	5.39E-05	1.16E-02	4.14E-03	3.33E-01	3.31E-01	5.51E-01	1.06E+00	1.42E-01	2.08E+00	3.30E-01	6.31E-05	1.16E-02	4.14E-03	3.46E-01
4556	476863.09	3859377.25	2.94E-01	5.28E-05	1.24E-02	4.03E-03	3.11E-01	3.07E-01	5.40E-01	1.13E+00	1.38E-01	2.12E+00	3.06E-01	6.18E-05	1.24E-02	4.03E-03	3.23E-01
4557	477363.09	3859377.25	2.97E-01	5.17E-05	1.33E-02	3.92E-03	3.14E-01	3.09E-01	5.28E-01	1.21E+00	1.34E-01	2.19E+00	3.09E-01	6.04E-05	1.33E-02	3.92E-03	3.26E-01
4558	477863.09	3859377.25	3.64E-01	5.69E-05	1.49E-02	4.43E-03	3.83E-01	3.80E-01	5.81E-01	1.36E+00	1.51E-01	2.47E+00	3.79E-01	6.65E-05	1.49E-02	4.43E-03	3.99E-01
4559	478363.09	3859377.25	3.88E-01	7.18E-05	2.68E-02	6.31E-03	4.21E-01	4.05E-01	7.34E-01	2.44E+00	2.16E-01	3.80E+00	4.04E-01	8.40E-05	2.68E-02	6.31E-03	4.37E-01
4560	478863.09	3859377.25	6.00E-01	8.14E-05	6.21E-02	1.06E-02	6.72E-01	6.26E-01	8.32E-01	5.67E+00	3.63E-01	7.49E+00	6.24E-01	9.52E-05	6.21E-02	1.06E-02	6.97E-01
4561	479363.09	3859377.25	8.83E-01	9.04E-05	6.50E-02	1.36E-02	9.61E-01	9.21E-01	9.23E-01	5.93E+00	4.67E-01	8.24E+00	9.19E-01	1.06E-04	6.50E-02	1.36E-02	9.98E-01
4562	479863.09	3859377.25	1.06E+00	1.32E-04	5.25E-02	1.20E-02	1.12E+00	1.10E+00	1.35E+00	4.79E+00	4.10E-01	7.64E+00	1.10E+00	1.54E-04	5.25E-02	1.20E-02	1.16E+00
4563	480363.09	3859377.25	1.12E+00	1.96E-04	3.11E-02	8.41E-03	1.16E+00	1.17E+00	2.00E+00	2.84E+00	2.88E-01	6.29E+00	1.16E+00	2.29E-04	3.11E-02	8.41E-03	1.20E+00
4564	480863.09	3859377.25	1.16E+00	2.39E-04	2.96E-02	6.65E-03	1.20E+00	1.21E+00	2.44E+00	2.70E+00	2.27E-01	6.57E+00	1.21E+00	2.79E-04	2.96E-02	6.65E-03	1.25E+00
4565	481363.09	3859377.25	1.20E+00	2.66E-04	3.32E-02	6.42E-03	1.24E+00	1.25E+00	2.71E+00	3.03E+00	2.20E-01	7.21E+00	1.25E+00	3.11E-04	3.32E-02	6.42E-03	1.29E+00
4566	481863.09	3859377.25	1.21E+00	2.82E-04	3.73E-02	8.14E-03	1.26E+00	1.27E+00	2.89E+00	3.40E+00	2.78E-01	7.83E+00	1.26E+00	3.30E-04	3.73E-02	8.14E-03	1.31E+00
4567	482363.09	3859377.25	1.27E+00	2.91E-04	4.19E-02	6.67E-03	1.32E+00	1.33E+00	2.97E+00	3.82E+00	2.28E-01	8.34E+00	1.33E+00	3.40E-04	4.19E-02	6.67E-03	1.37E+00
4568	482863.09	3859377.25	1.34E+00	3.33E-04	4.50E-02	7.07E-03	1.39E+00	1.40E+00	3.40E+00	4.11E+00	2.42E-01	9.15E+00	1.39E+00	3.90E-04	4.50E-02	7.07E-03	1.45E+00
4569	483363.09	3859377.25	1.38E+00	4.50E-04	4.67E-02	7.53E-03	1.43E+00	1.44E+00	4.59E+00	4.26E+00	2.58E-01	1.06E+01	1.44E+00	5.26E-04	4.67E-02	7.53E-03	1.49E+00
4570	483863.09	3859377.25	1.36E+00	5.52E-04	4.63E-02	9.28E-03	1.42E+00	1.42E+00	5.64E+00	4.22E+00	3.17E-01	1.16E+01	1.42E+00	6.46E-04	4.63E-02	9.28E-03	1.48E+00
4571	484363.09	3859377.25	1.42E+00	6.27E-04	5.28E-02	9.43E-03	1.48E+00	1.48E+00	6.40E+00	4.82E+00	3.23E-01	1.30E+01	1.48E+00	7.33E-04	5.28E-02	9.43E-03	1.54E+00

4572	484863.09	3859377.25	1.53E+00	7.18E-04	5.60E-02	1.14E-02	1.60E+00	1.60E+00	7.34E+00	5.11E+00	3.89E-01	1.44E+01	1.60E+00	8.40E-04	5.60E-02	1.14E-02	1.66E+00
4573	485363.09	3859377.25	1.64E+00	8.41E-04	5.49E-02	1.60E-02	1.71E+00	1.71E+00	8.60E+00	5.01E+00	5.48E-01	1.59E+01	1.71E+00	9.84E-04	5.49E-02	1.60E-02	1.78E+00
4574	485863.09	3859377.25	1.83E+00	1.02E-03	5.38E-02	1.54E-02	1.90E+00	1.91E+00	1.04E+01	4.91E+00	5.28E-01	1.78E+01	1.91E+00	1.19E-03	5.38E-02	1.54E-02	1.98E+00
4575	486363.09	3859377.25	2.07E+00	1.36E-03	5.50E-02	1.87E-02	2.14E+00	2.16E+00	1.39E+01	5.02E+00	6.39E-01	2.17E+01	2.16E+00	1.59E-03	5.50E-02	1.87E-02	2.23E+00
4576	486863.09	3859377.25	2.38E+00	2.21E-03	4.72E-02	1.98E-02	2.45E+00	2.48E+00	2.26E+01	4.31E+00	6.79E-01	3.01E+01	2.48E+00	2.59E-03	4.72E-02	1.98E-02	2.55E+00
4577	487363.09	3859377.25	2.94E+00	2.45E-03	1.70E-02	1.57E-02	2.98E+00	3.07E+00	2.51E+01	1.55E+00	5.38E-01	3.02E+01	3.07E+00	2.87E-03	1.70E-02	1.57E-02	3.10E+00
4578	487863.09	3859377.25	3.87E+00	2.20E-03	2.70E-02	2.21E-02	3.93E+00	4.04E+00	2.25E+01	2.46E+00	7.57E-01	2.97E+01	4.03E+00	2.57E-03	2.70E-02	2.21E-02	4.09E+00
4579	488363.09	3859377.25	3.65E+00	2.51E-03	2.33E-02	7.51E-02	3.76E+00	3.81E+00	2.56E+01	2.12E+00	2.57E+00	3.41E+01	3.81E+00	2.93E-03	2.33E-02	7.51E-02	3.91E+00
4580	488863.09	3859377.25	3.47E+00	2.25E-03	4.38E-02	1.56E-02	3.53E+00	3.62E+00	2.29E+01	3.99E+00	5.33E-01	3.11E+01	3.61E+00	2.63E-03	4.38E-02	1.56E-02	3.68E+00
4581	489363.09	3859377.25	3.14E+00	1.33E-03	4.64E-02	1.19E-02	3.20E+00	3.27E+00	1.35E+01	4.23E+00	4.06E-01	2.14E+01	3.27E+00	1.55E-03	4.64E-02	1.19E-02	3.33E+00
4582	489863.09	3859377.25	3.19E+00	1.02E-03	5.80E-02	1.21E-02	3.26E+00	3.32E+00	1.05E+01	5.29E+00	4.12E-01	1.95E+01	3.32E+00	1.20E-03	5.80E-02	1.21E-02	3.39E+00
4583	490363.09	3859377.25	3.38E+00	7.97E-04	5.13E-02	1.08E-02	3.45E+00	3.53E+00	8.14E+00	4.68E+00	3.68E-01	1.67E+01	3.52E+00	9.33E-04	5.13E-02	1.08E-02	3.59E+00
4584	490863.09	3859377.25	3.29E+00	4.71E-04	5.18E-02	1.05E-02	3.36E+00	3.44E+00	4.81E+00	4.73E+00	3.59E-01	1.33E+01	3.43E+00	5.51E-04	5.18E-02	1.05E-02	3.49E+00
4585	491363.09	3859377.25	3.78E+00	2.22E-04	8.55E-02	2.06E-02	3.88E+00	3.94E+00	2.27E+00	7.79E+00	7.04E-01	1.47E+01	3.93E+00	2.60E-04	8.55E-02	2.06E-02	4.04E+00
4586	491863.09	3859377.25	3.48E+00	2.92E-04	5.63E-02	1.33E-02	3.55E+00	3.63E+00	2.99E+00	5.13E+00	4.55E-01	1.22E+01	3.62E+00	3.42E-04	5.63E-02	1.33E-02	3.69E+00
4587	492363.09	3859377.25	3.11E+00	2.82E-04	5.58E-02	1.25E-02	3.18E+00	3.24E+00	2.88E+00	5.09E+00	4.27E-01	1.16E+01	3.24E+00	3.30E-04	5.58E-02	1.25E-02	3.30E+00
4588	492863.09	3859377.25	2.56E+00	2.85E-04	6.12E-02	1.14E-02	2.64E+00	2.67E+00	2.92E+00	5.58E+00	3.90E-01	1.16E+01	2.67E+00	3.34E-04	6.12E-02	1.14E-02	2.74E+00
4589	493363.09	3859377.25	2.33E+00	2.18E-04	8.28E-02	1.36E-02	2.43E+00	2.43E+00	2.23E+00	7.55E+00	4.65E-01	1.27E+01	2.43E+00	2.55E-04	8.28E-02	1.36E-02	2.52E+00
4590	493863.09	3859377.25	2.11E+00	2.12E-04	7.17E-02	1.41E-02	2.20E+00	2.20E+00	2.17E+00	6.54E+00	4.82E-01	1.14E+01	2.20E+00	2.48E-04	7.17E-02	1.41E-02	2.28E+00
4591	494363.09	3859377.25	1.90E+00	1.68E-04	7.94E-02	1.50E-02	1.99E+00	1.98E+00	1.72E+00	7.25E+00	5.14E-01	1.15E+01	1.98E+00	1.97E-04	7.94E-02	1.50E-02	2.07E+00
4592	494863.09	3859377.25	1.58E+00	1.26E-04	8.60E-02	1.41E-02	1.68E+00	1.65E+00	1.28E+00	7.85E+00	4.83E-01	1.13E+01	1.64E+00	1.47E-04	8.60E-02	1.41E-02	1.74E+00
4593	495363.09	3859377.25	1.42E+00	1.27E-04	7.60E-02	1.26E-02	1.51E+00	1.48E+00	1.29E+00	6.93E+00	4.31E-01	1.01E+01	1.48E+00	1.48E-04	7.60E-02	1.26E-02	1.57E+00
4594	495863.09	3859377.25	1.19E+00	1.29E-04	6.85E-02	9.65E-03	1.27E+00	1.25E+00	1.31E+00	6.25E+00	3.30E-01	9.14E+00	1.24E+00	1.50E-04	6.85E-02	9.65E-03	1.32E+00
4595	496363.09	3859377.25	1.15E+00	1.30E-04	6.53E-02	9.36E-03	1.22E+00	1.20E+00	1.33E+00	5.95E+00	3.20E-01	8.80E+00	1.20E+00	1.52E-04	6.53E-02	9.36E-03	1.27E+00
4596	496863.09	3859377.25	9.47E-01	1.12E-04	5.97E-02	6.79E-03	1.01E+00	9.88E-01	1.14E+00	5.44E+00	2.32E-01	7.80E+00	9.86E-01	1.31E-04	5.97E-02	6.79E-03	1.05E+00
4597	497363.09	3859377.25	1.06E+00	1.29E-04	6.91E-02	7.69E-03	1.14E+00	1.11E+00	1.31E+00	6.31E+00	2.63E-01	8.99E+00	1.10E+00	1.50E-04	6.91E-02	7.69E-03	1.18E+00
4598	497863.09	3859377.25	1.21E+00	1.42E-04	7.21E-02	9.31E-03	1.29E+00	1.26E+00	1.45E+00	6.57E+00	3.18E-01	9.61E+00	1.26E+00	1.66E-04	7.21E-02	9.31E-03	1.34E+00
4599	498363.09	3859377.25	1.27E+00	1.92E-04	6.10E-02	8.91E-03	1.34E+00	1.32E+00	1.96E+00	5.56E+00	3.05E-01	9.15E+00	1.32E+00	2.24E-04	6.10E-02	8.91E-03	1.39E+00
4600	471363.09	3859877.25	7.48E-01	1.17E-04	2.43E-02	5.29E-03	7.78E-01	7.80E-01	1.19E+00	2.22E+00	1.81E-01	4.37E+00	7.79E-01	1.37E-04	2.43E-02	5.29E-03	8.08E-01
4601	471863.09	3859877.25	7.60E-01	1.22E-04	2.36E-02	5.34E-03	7.89E-01	7.93E-01	1.25E+00	2.15E+00	1.83E-01	4.37E+00	7.91E-01	1.43E-04	2.36E-02	5.34E-03	8.20E-01
4602	472363.09	3859877.25	7.67E-01	1.23E-04	2.35E-02	5.33E-03	7.96E-01	8.00E-01	1.26E+00	2.14E+00	1.82E-01	4.39E+00	7.98E-01	1.44E-04	2.35E-02	5.33E-03	8.27E-01
4603	472863.09	3859877.25	7.86E-01	1.29E-04	2.16E-02	5.25E-03	8.12E-01	8.20E-01	1.32E+00	1.97E+00	1.79E-01	4.29E+00	8.18E-01	1.51E-04	2.16E-02	5.25E-03	8.45E-01
4604	473363.09	3859877.25	8.06E-01	1.35E-04	1.99E-02	5.48E-03	8.31E-01	8.41E-01	1.38E+00	1.82E+00	1.87E-01	4.22E+00	8.39E-01	1.58E-04	1.99E-02	5.48E-03	8.65E-01
4605	473863.09	3859877.25	8.19E-01	1.35E-04	1.95E-02	6.40E-03	8.45E-01	8.55E-01	1.38E+00	1.77E+00	2.19E-01	4.22E+00	8.53E-01	1.58E-04	1.95E-02	6.40E-03	8.79E-01
4606	474363.09	3859877.25	7.89E-01	9.39E-05	4.19E-02	1.23E-02	8.44E-01	8.24E-01	9.60E-01	3.82E+00	4.21E-01	6.02E+00	8.22E-01	1.10E-04	4.19E-02	1.23E-02	8.76E-01
4607	474863.09	3859877.25	6.86E-01	7.43E-05	4.72E-02	1.07E-02	7.44E-01	7.16E-01	7.59E-01	4.31E+00	3.67E-01	6.15E+00	7.14E-01	8.69E-05	4.72E-02	1.07E-02	7.72E-01
4608	475363.09	3859877.25	4.07E-01	6.23E-05	1.92E-02	4.75E-03	4.31E-01	4.25E-01	6.37E-01	1.75E+00	1.62E-01	2.97E+00	4.24E-01	7.29E-05	1.92E-02	4.75E-03	4.48E-01
4609	475863.09	3859877.25	3.10E-01	5.12E-05	1.27E-02	4.32E-03	3.27E-01	3.23E-01	5.23E-01	1.16E+00	1.48E-01	2.15E+00	3.22E-01	5.99E-05	1.27E-02	4.32E-03	3.40E-01
4610	476363.09	3859877.25	2.67E-01	4.13E-05	1.18E-02	3.65E-03	2.83E-01	2.79E-01	4.22E-01	1.08E+00	1.25E-01	1.91E+00	2.78E-01	4.83E-05	1.18E-02	3.65E-03	2.94E-01
4611	476863.09	3859877.25	2.53E-01	4.42E-05	1.47E-02	3.81E-03	2.72E-01	2.64E-01	4.52E-01	1.34E+00	1.30E-01	2.19E+00	2.64E-01	5.17E-05	1.47E-02	3.81E-03	2.82E-01
4612	477363.09	3859877.25	2.46E-01	4.83E-05	1.62E-02	3.84E-03	2.66E-01	2.56E-01	4.93E-01	1.48E+00	1.31E-01	2.36E+00	2.56E-01	5.65E-05	1.62E-02	3.84E-03	2.76E-01
4613	477863.09	3859877.25	3.03E-01	5.20E-05	1.91E-02	4.56E-03	3.27E-01	3.16E-01	5.31E-01	1.74E+00	1.56E-01	2.75E+00	3.15E-01	6.08E-05	1.91E-02	4.56E-03	3.39E-01
4614	478363.09	3859877.25	4.18E-01	7.35E-05	3.37E-02	6.18E-03	4.58E-01	4.36E-01	7.51E-01	3.07E+00	2.11E-01	4.47E+00	4.35E-01	8.60E-05	3.37E-02	6.18E-03	4.75E-01
4615	478863.09	3859877.25	6.24E-01	8.21E-05	6.60E-02	1.03E-02	7.00E-01	6.51E-01	8.39E-01	6.02E+00	3.51E-01	7.86E+00	6.50E-01	9.61E-05	6.60E-02	1.03E-02	7.26E-01
4616	479363.09	3859877.25	8.92E-01	1.05E-04	6.04E-02	1.44E-02	9.67E-01	9.31E-01	1.08E+00	5.51E+00	4.92E-01	8.01E+00	9.29E-01	1.23E-04	6.04E-02	1.44E-02	1.00E+00
4617	479863.09	3859877.25	1.01E+00	1.72E-04	3.96E-02	1.25E-02	1.06E+00	1.05E+00	1.76E+00	3.61E+00	4.29E-01	6.85E+00	1.05E+00	2.01E-04	3.96E-02	1.25E-02	1.10E+00
4618	480363.09	3859877.25	1.04E+00	2.45E-04	3.40E-02	6.16E-03	1.08E+00	1.09E+00	2.51E+00	3.10E+00	2.11E-01	6.90E+00	1.08E+00	2.87E-04	3.40E-02	6.16E-03	1.13E+00
4619	480863.09	3859877.25	1.06E+00	2.86E-04	3.61E-02	5.38E-03	1.10E+00	1.10E+00	2.92E+00	3.29E+00	1.84E-01	7.50E+00	1.10E+00	3.35E-04	3.61E-02	5.38E-03	1.14E+00
4620	481363.09	3859877.25	1.10E+00	3.16E-04	3.68E-02	5.13E-03	1.14E+00	1.15E+00	3.23E+00	3.36E+00	1.75E-01	7.91E+00	1.14E+00	3.70E-04	3.68E-02	5.13E-03	1.19E+00
4621	481863.09	3859877.25	1.15E+00	3.31E-04	3.58E-02	5.98E-03	1.19E+00	1.20E+00	3.39E+00	3.26E+00	2.05E-01	8.05E+00	1.19E+00	3.88E-04	3.58E-02	5.98E-03	1.24E+00
4622	482363.09	3859877.25	1.21E+00	3.55E-04	3.71E-02	6.19E-03	1.25E+00	1.26E+00	3.63E+00	3.39E+00	2.12E-01	8.49E+00	1.26E+00	4.15E-04	3.71E-02	6.19E-03	1.30E+00
4623	482863.09	3859877.25	1.26E+00	3.77E-04	4.23E-02	6.23E-03	1.31E+00	1.31E+00	3.85E+00	3.86E+00	2.13E-01	9.23E+00	1.31E+00	4.41E-04	4.23E-02	6.23E-03	1.36E+00
4624	483363.09	3859877.25	1.30E+00	4.09E-04	4.62E-02	6.79E-03	1.36E+00	1.36E+00	4.18E+00	4.21E+00	2.32E-01	9.98E+00	1.36E+00	4.78E-04	4.62E-02	6.79E-03	1.41E+00
4625	483863.09	3859877.25	1.27E+00	4.79E-04	4.50E-02	7.69E-03	1.32E+00	1.33E+00	4.90E+00	4.11E+00	2.63E-01	1.06E+01	1.32E+00	5.61E-04	4.50E-02	7.69E-03	1.38E+00
4626	484363.09	3859877.25	1.34E+00	5.17E-04	4.41E-02	7.18E-03	1.40E+00	1.40E+00	5.28E+00	4.02E+00	2.46E-01	1.09E+01	1.40E+00	6.05E-04	4.41E-02	7.18E-03	1.45E+00
4627	484863.09	3859877.25	1.43E+00	5.62E-04	4.57E-02	8.83E-03	1.48E+00	1.49E+00	5.74E+00	4.17E+00	3.02E-01	1.17E+01	1.48E+00	6.58E-04	4.57E-02	8.83E-03	1.54E+00
4628	485363.09	3859877.25	1.53E+00	6.00E-04	5.19E-02	8.24E-03	1.59E+00	1.59E+00	6.13E+00	4.74E+00	2.82E-01	1.27E+01	1.59E+00	7.02E-04	5.19E-02	8.24E-03	1.65E+00
4629	485863.09	3859877.25	1.66E+00	7.13E-04	5.47E-02	8.86E-03	1.72E+00	1.73E+00	7.28E+00	4.99E+00	3.03E-01	1.43E+01	1.73E+00	8.34E-04	5.47E-02	8.86E-03	1.79E+00
4630	486363.09	3859877.25	1.83E+00	7.51E-04	4.96E-02	9.94E-03	1.89E+00	1.91E+00	7.67E+00	4.52E+00	3.40E-01	1.44E+01	1.90E+00	8.79E-04	4.96E-02	9.94E-03	1.96E+00
4631	486863.09	3859877.25	2.06E+00	1.00E-03	2.05E-02	1.39E-02	2.10E+00	2.15E+00	1.03E+01	1.87E+00	4.75E-01	1.47E+01	2.15E+00	1.17E-03	2.05E-02	1.39E-02	2.18E+00
4632	487363.09	3859877.25	2.48E+00	1.52E-03	1.89E-02	1.32E-02	2.51E+00	2.59E+00	1.56E+01	1.73E+00	4.52E-01	2.03E+01	2.58E+00	1.78E-03	1.89E-02	1.32E-02	2.62E+00

4633	487863.09	3859877.25	3.16E+00	2.26E-03	4.03E-02	1.23E-02	3.22E+00	3.30E+00	2.31E+01	3.68E+00	4.20E-01	3.05E+01	3.29E+00	2.64E-03	4.03E-02	1.23E-02	3.35E+00
4634	488363.09	3859877.25	3.31E+00	2.65E-03	2.85E-02	2.62E-02	3.37E+00	3.46E+00	2.71E+01	2.60E+00	8.95E-01	3.40E+01	3.45E+00	3.10E-03	2.85E-02	2.62E-02	3.51E+00
4635	488863.09	3859877.25	3.49E+00	1.67E-03	3.02E-02	4.49E-02	3.56E+00	3.64E+00	1.71E+01	2.76E+00	1.53E+00	2.50E+01	3.63E+00	1.96E-03	3.02E-02	4.49E-02	3.71E+00
4636	489363.09	3859877.25	3.23E+00	1.67E-03	3.95E-02	2.56E-02	3.30E+00	3.37E+00	1.70E+01	3.61E+00	8.75E-01	2.49E+01	3.36E+00	1.95E-03	3.95E-02	2.56E-02	3.43E+00
4637	489863.09	3859877.25	3.17E+00	1.35E-03	4.91E-02	1.68E-02	3.24E+00	3.31E+00	1.38E+01	4.48E+00	5.73E-01	2.22E+01	3.30E+00	1.58E-03	4.91E-02	1.68E-02	3.37E+00
4638	490363.09	3859877.25	2.86E+00	9.43E-04	5.20E-02	1.32E-02	2.92E+00	2.98E+00	9.63E+00	4.74E+00	4.51E-01	1.78E+01	2.97E+00	1.10E-03	5.20E-02	1.32E-02	3.04E+00
4639	490863.09	3859877.25	2.94E+00	7.48E-04	4.74E-02	1.15E-02	3.00E+00	3.07E+00	7.64E+00	4.32E+00	3.95E-01	1.54E+01	3.07E+00	8.75E-04	4.74E-02	1.15E-02	3.13E+00
4640	491363.09	3859877.25	2.85E+00	6.65E-04	4.37E-02	1.04E-02	2.90E+00	2.97E+00	6.80E+00	3.98E+00	3.56E-01	1.41E+01	2.97E+00	7.78E-04	4.37E-02	1.04E-02	3.02E+00
4641	491863.09	3859877.25	2.76E+00	5.91E-04	4.45E-02	9.46E-03	2.81E+00	2.88E+00	6.04E+00	4.06E+00	3.23E-01	1.33E+01	2.87E+00	6.92E-04	4.45E-02	9.46E-03	2.93E+00
4642	492363.09	3859877.25	2.77E+00	5.22E-04	4.82E-02	9.05E-03	2.83E+00	2.90E+00	5.34E+00	4.40E+00	3.09E-01	1.29E+01	2.89E+00	6.11E-04	4.82E-02	9.05E-03	2.95E+00
4643	492863.09	3859877.25	2.69E+00	4.31E-04	4.89E-02	8.63E-03	2.75E+00	2.81E+00	4.41E+00	4.46E+00	2.95E-01	1.20E+01	2.80E+00	5.04E-04	4.89E-02	8.63E-03	2.86E+00
4644	493363.09	3859877.25	2.42E+00	3.79E-04	4.54E-02	8.27E-03	2.47E+00	2.52E+00	3.88E+00	4.14E+00	2.83E-01	1.08E+01	2.52E+00	4.44E-04	4.54E-02	8.27E-03	2.57E+00
4645	493863.09	3859877.25	2.02E+00	3.40E-04	4.13E-02	8.36E-03	2.07E+00	2.11E+00	3.47E+00	3.76E+00	2.86E-01	9.62E+00	2.10E+00	3.97E-04	4.13E-02	8.36E-03	2.15E+00
4646	494363.09	3859877.25	2.04E+00	2.88E-04	4.72E-02	9.69E-03	2.10E+00	2.13E+00	2.95E+00	4.31E+00	3.31E-01	9.72E+00	2.13E+00	3.37E-04	4.72E-02	9.69E-03	2.19E+00
4647	494863.09	3859877.25	1.87E+00	2.76E-04	5.05E-02	9.73E-03	1.93E+00	1.95E+00	2.82E+00	4.61E+00	3.33E-01	9.72E+00	1.95E+00	3.23E-04	5.05E-02	9.73E-03	2.01E+00
4648	495363.09	3859877.25	1.79E+00	2.49E-04	5.45E-02	1.11E-02	1.86E+00	1.87E+00	2.54E+00	4.97E+00	3.80E-01	9.76E+00	1.87E+00	2.91E-04	5.45E-02	1.11E-02	1.93E+00
4649	495863.09	3859877.25	1.70E+00	2.17E-04	5.94E-02	1.40E-02	1.77E+00	1.77E+00	2.22E+00	5.41E+00	4.78E-01	9.88E+00	1.77E+00	2.54E-04	5.94E-02	1.40E-02	1.84E+00
4650	496363.09	3859877.25	1.56E+00	1.48E-04	7.01E-02	1.56E-02	1.64E+00	1.63E+00	1.51E+00	6.39E+00	5.34E-01	1.01E+01	1.62E+00	1.73E-04	7.01E-02	1.56E-02	1.71E+00
4651	496863.09	3859877.25	9.07E-01	1.12E-04	4.72E-02	6.31E-03	9.60E-01	9.46E-01	1.15E+00	4.30E+00	2.16E-01	6.61E+00	9.44E-01	1.31E-04	4.72E-02	6.31E-03	9.98E-01
4652	497363.09	3859877.25	1.22E+00	1.31E-04	6.34E-02	1.35E-02	1.30E+00	1.28E+00	1.34E+00	5.78E+00	4.63E-01	8.86E+00	1.27E+00	1.53E-04	6.34E-02	1.35E-02	1.35E+00
4653	497863.09	3859877.25	1.30E+00	2.19E-04	4.64E-02	1.13E-02	1.36E+00	1.35E+00	2.24E+00	4.23E+00	3.86E-01	8.21E+00	1.35E+00	2.57E-04	4.64E-02	1.13E-02	1.41E+00
4654	498363.09	3859877.25	1.16E+00	2.58E-04	4.25E-02	7.41E-03	1.21E+00	1.21E+00	2.64E+00	3.88E+00	2.53E-01	7.98E+00	1.21E+00	3.02E-04	4.25E-02	7.41E-03	1.26E+00
4655	471363.09	3860377.25	7.34E-01	1.31E-04	1.57E-02	5.02E-03	7.55E-01	7.66E-01	1.33E+00	1.43E+00	1.72E-01	3.70E+00	7.65E-01	1.53E-04	1.57E-02	5.02E-03	7.86E-01
4656	471863.09	3860377.25	7.45E-01	1.35E-04	1.63E-02	5.28E-03	7.67E-01	7.78E-01	1.38E+00	1.49E+00	1.81E-01	3.83E+00	7.76E-01	1.58E-04	1.63E-02	5.28E-03	7.98E-01
4657	472363.09	3860377.25	7.51E-01	1.42E-04	1.64E-02	5.96E-03	7.74E-01	7.84E-01	1.45E+00	1.49E+00	2.04E-01	3.94E+00	7.82E-01	1.67E-04	1.64E-02	5.96E-03	8.05E-01
4658	472863.09	3860377.25	7.73E-01	1.50E-04	1.58E-02	6.38E-03	7.95E-01	8.06E-01	1.53E+00	1.44E+00	2.18E-01	4.00E+00	8.05E-01	1.76E-04	1.58E-02	6.38E-03	8.27E-01
4659	473363.09	3860377.25	7.94E-01	1.55E-04	1.60E-02	6.70E-03	8.16E-01	8.28E-01	1.59E+00	1.46E+00	2.29E-01	4.10E+00	8.26E-01	1.82E-04	1.60E-02	6.70E-03	8.49E-01
4660	473863.09	3860377.25	8.04E-01	1.57E-04	1.76E-02	7.09E-03	8.28E-01	8.38E-01	1.60E+00	1.60E+00	2.43E-01	4.28E+00	8.37E-01	1.83E-04	1.76E-02	7.09E-03	8.62E-01
4661	474363.09	3860377.25	7.93E-01	1.45E-04	2.39E-02	8.09E-03	8.25E-01	8.27E-01	1.48E+00	2.18E+00	2.77E-01	4.77E+00	8.26E-01	1.70E-04	2.39E-02	8.09E-03	8.58E-01
4662	474863.09	3860377.25	7.52E-01	1.19E-04	5.01E-02	1.17E-02	8.14E-01	7.84E-01	1.22E+00	4.57E+00	3.99E-01	6.97E+00	7.83E-01	1.39E-04	5.01E-02	1.17E-02	8.45E-01
4663	475363.09	3860377.25	6.35E-01	8.27E-05	5.78E-02	8.80E-03	7.01E-01	6.62E-01	8.45E-01	5.27E+00	3.01E-01	7.08E+00	6.61E-01	9.67E-05	5.78E-02	8.80E-03	7.28E-01
4664	475863.09	3860377.25	4.90E-01	7.45E-05	4.75E-02	5.83E-03	5.43E-01	5.11E-01	7.61E-01	4.33E+00	1.99E-01	5.80E+00	5.10E-01	8.72E-05	4.75E-02	5.83E-03	5.64E-01
4665	476363.09	3860377.25	3.74E-01	6.66E-05	2.68E-02	4.59E-03	4.06E-01	3.91E-01	6.81E-01	2.45E+00	1.57E-01	3.68E+00	3.90E-01	7.80E-05	2.68E-02	4.59E-03	4.21E-01
4666	476863.09	3860377.25	3.55E-01	6.16E-05	2.26E-02	4.94E-03	3.83E-01	3.71E-01	6.29E-01	2.06E+00	1.69E-01	3.23E+00	3.70E-01	7.20E-05	2.26E-02	4.94E-03	3.98E-01
4667	477363.09	3860377.25	2.93E-01	5.01E-05	1.98E-02	4.44E-03	3.17E-01	3.06E-01	5.11E-01	1.80E+00	1.52E-01	2.77E+00	3.05E-01	5.86E-05	1.98E-02	4.44E-03	3.29E-01
4668	477863.09	3860377.25	3.11E-01	5.04E-05	2.29E-02	4.57E-03	3.38E-01	3.24E-01	5.15E-01	2.09E+00	1.56E-01	3.09E+00	3.23E-01	5.90E-05	2.29E-02	4.57E-03	3.51E-01
4669	478363.09	3860377.25	4.59E-01	6.81E-05	3.07E-02	6.00E-03	4.96E-01	4.79E-01	6.96E-01	2.80E+00	2.05E-01	4.18E+00	4.78E-01	7.97E-05	3.07E-02	6.00E-03	5.15E-01
4670	478863.09	3860377.25	6.53E-01	8.49E-05	3.74E-02	8.87E-03	6.99E-01	6.81E-01	8.67E-01	3.41E+00	3.03E-01	5.26E+00	6.80E-01	9.93E-05	3.74E-02	8.87E-03	7.26E-01
4671	479363.09	3860377.25	8.61E-01	1.13E-04	4.05E-02	1.21E-02	9.14E-01	8.99E-01	1.16E+00	3.70E+00	4.12E-01	6.16E+00	8.97E-01	1.32E-04	4.05E-02	1.21E-02	9.50E-01
4672	479863.09	3860377.25	9.32E-01	1.77E-04	3.47E-02	8.52E-03	9.76E-01	9.73E-01	1.81E+00	3.17E+00	2.91E-01	6.24E+00	9.71E-01	2.07E-04	3.47E-02	8.52E-03	1.01E+00
4673	480363.09	3860377.25	9.75E-01	2.30E-04	3.12E-02	5.95E-03	1.01E+00	1.02E+00	2.35E+00	2.84E+00	2.03E-01	6.41E+00	1.01E+00	2.69E-04	3.12E-02	5.95E-03	1.05E+00
4674	480863.09	3860377.25	1.02E+00	2.57E-04	3.25E-02	5.29E-03	1.05E+00	1.06E+00	2.63E+00	2.96E+00	1.81E-01	6.83E+00	1.06E+00	3.01E-04	3.25E-02	5.29E-03	1.10E+00
4675	481363.09	3860377.25	1.05E+00	2.70E-04	3.68E-02	5.58E-03	1.10E+00	1.10E+00	2.75E+00	3.36E+00	1.91E-01	7.41E+00	1.10E+00	3.15E-04	3.68E-02	5.58E-03	1.14E+00
4676	481863.09	3860377.25	1.10E+00	2.91E-04	3.81E-02	5.86E-03	1.15E+00	1.15E+00	2.98E+00	3.47E+00	2.00E-01	7.80E+00	1.15E+00	3.41E-04	3.81E-02	5.86E-03	1.19E+00
4677	482363.09	3860377.25	1.15E+00	3.09E-04	3.91E-02	5.77E-03	1.19E+00	1.20E+00	3.16E+00	3.56E+00	1.97E-01	8.12E+00	1.19E+00	3.62E-04	3.91E-02	5.77E-03	1.24E+00
4678	482863.09	3860377.25	1.18E+00	3.29E-04	3.95E-02	5.94E-03	1.22E+00	1.23E+00	3.36E+00	3.60E+00	2.03E-01	8.39E+00	1.22E+00	3.85E-04	3.95E-02	5.94E-03	1.27E+00
4679	483363.09	3860377.25	1.20E+00	3.60E-04	3.93E-02	6.84E-03	1.24E+00	1.25E+00	3.68E+00	3.58E+00	2.34E-01	8.74E+00	1.25E+00	4.21E-04	3.93E-02	6.84E-03	1.29E+00
4680	483863.09	3860377.25	1.20E+00	3.80E-04	3.98E-02	7.39E-03	1.25E+00	1.25E+00	3.88E+00	3.63E+00	2.53E-01	9.01E+00	1.25E+00	4.45E-04	3.98E-02	7.39E-03	1.30E+00
4681	484363.09	3860377.25	1.28E+00	4.11E-04	4.75E-02	6.59E-03	1.33E+00	1.34E+00	4.20E+00	4.33E+00	2.25E-01	1.01E+01	1.33E+00	4.81E-04	4.75E-02	6.59E-03	1.39E+00
4682	484863.09	3860377.25	1.35E+00	4.41E-04	4.53E-02	6.70E-03	1.40E+00	1.40E+00	4.51E+00	4.13E+00	2.29E-01	1.03E+01	1.40E+00	5.16E-04	4.53E-02	6.70E-03	1.45E+00
4683	485363.09	3860377.25	1.44E+00	4.88E-04	5.31E-02	7.10E-03	1.50E+00	1.50E+00	4.98E+00	4.85E+00	2.43E-01	1.16E+01	1.49E+00	5.70E-04	5.31E-02	7.10E-03	1.56E+00
4684	485863.09	3860377.25	1.51E+00	5.31E-04	4.80E-02	8.52E-03	1.57E+00	1.58E+00	5.42E+00	4.38E+00	2.91E-01	1.17E+01	1.58E+00	6.21E-04	4.80E-02	8.52E-03	1.63E+00
4685	486363.09	3860377.25	1.66E+00	6.54E-04	2.84E-02	9.56E-03	1.70E+00	1.73E+00	6.68E+00	2.59E+00	3.27E-01	1.13E+01	1.73E+00	7.65E-04	2.84E-02	9.56E-03	1.77E+00
4686	486863.09	3860377.25	1.80E+00	7.75E-04	1.95E-02	1.03E-02	1.83E+00	1.88E+00	7.92E+00	1.78E+00	3.53E-01	1.19E+01	1.87E+00	9.07E-04	1.95E-02	1.03E-02	1.91E+00
4687	487363.09	3860377.25	2.05E+00	1.16E-03	2.68E-02	9.99E-03	2.09E+00	2.14E+00	1.18E+01	2.45E+00	3.42E-01	1.68E+01	2.14E+00	1.36E-03	2.68E-02	9.99E-03	2.18E+00
4688	487863.09	3860377.25	2.40E+00	2.03E-03	4.67E-02	8.36E-03	2.46E+00	2.50E+00	2.07E+01	4.26E+00	2.86E-01	2.78E+01	2.50E+00	2.37E-03	4.67E-02	8.36E-03	2.56E+00
4689	488363.09	3860377.25	3.14E+00	2.53E-03	3.16E-02	2.16E-02	3.20E+00	3.28E+00	2.59E+01	2.88E+00	7.38E-01	3.28E+01	3.27E+00	2.96E-03	3.16E-02	2.16E-02	3.33E+00
4690	488863.09	3860377.25	2.98E+00	2.80E-03	2.25E-02	2.99E-02	3.04E+00	3.11E+00	2.86E+01	2.05E+00	1.02E+00	3.48E+01	3.11E+00	3.28E-03	2.25E-02	2.99E-02	3.16E+00
4691	489363.09	3860377.25	3.14E+00	1.47E-03	3.22E-02	2.21E-02	3.19E+00	3.27E+00	1.50E+01	2.94E+00	7.55E-01	2.20E+01	3.27E+00	1.72E-03	3.22E-02	2.21E-02	3.32E+00
4692	489863.09	3860377.25	2.96E+00	1.22E-03	4.02E-02	1.42E-02	3.02E+00	3.09E+00	1.25E+01	3.66E+00	4.85E-01	1.97E+01	3.09E+00	1.43E-03	4.02E-02	1.42E-02	3.14E+00
4693	490363.09	3860377.25	2.95E+00	1.16E-03	4.89E-02	1.60E-02	3.02E+00	3.08E+00	1.19E+01	4.46E+00	5.48E-01	2.00E+01	3.08E+00	1.36E-03	4.89E-02	1.60E-02	3.14E+00

4694	490863.09	3860377.25	2.70E+00	1.00E-03	4.84E-02	1.19E-02	2.76E+00	2.82E+00	1.03E+01	4.41E+00	4.07E-01	1.79E+01	2.81E+00	1.17E-03	4.84E-02	1.19E-02	2.88E+00
4695	491363.09	3860377.25	2.49E+00	7.59E-04	3.86E-02	9.11E-03	2.54E+00	2.60E+00	7.75E+00	3.52E+00	3.12E-01	1.42E+01	2.59E+00	8.87E-04	3.86E-02	9.11E-03	2.64E+00
4696	491863.09	3860377.25	2.39E+00	6.15E-04	3.51E-02	8.76E-03	2.43E+00	2.49E+00	6.28E+00	3.20E+00	3.00E-01	1.23E+01	2.48E+00	7.19E-04	3.51E-02	8.76E-03	2.53E+00
4697	492363.09	3860377.25	2.35E+00	5.51E-04	3.60E-02	8.50E-03	2.39E+00	2.45E+00	5.63E+00	3.28E+00	2.91E-01	1.16E+01	2.44E+00	6.44E-04	3.60E-02	8.50E-03	2.49E+00
4698	492863.09	3860377.25	2.32E+00	5.07E-04	3.61E-02	8.16E-03	2.36E+00	2.42E+00	5.18E+00	3.29E+00	2.79E-01	1.12E+01	2.41E+00	5.93E-04	3.61E-02	8.16E-03	2.46E+00
4699	493363.09	3860377.25	2.30E+00	4.76E-04	4.31E-02	7.83E-03	2.35E+00	2.40E+00	4.87E+00	3.93E+00	2.68E-01	1.15E+01	2.39E+00	5.57E-04	4.31E-02	7.83E-03	2.44E+00
4700	493863.09	3860377.25	2.25E+00	4.38E-04	4.76E-02	8.04E-03	2.30E+00	2.34E+00	4.47E+00	4.34E+00	2.75E-01	1.14E+01	2.34E+00	5.12E-04	4.76E-02	8.04E-03	2.40E+00
4701	494363.09	3860377.25	2.08E+00	3.87E-04	4.30E-02	7.70E-03	2.13E+00	2.17E+00	3.96E+00	3.93E+00	2.63E-01	1.03E+01	2.16E+00	4.53E-04	4.30E-02	7.70E-03	2.21E+00
4702	494863.09	3860377.25	1.73E+00	3.70E-04	3.99E-02	7.34E-03	1.78E+00	1.81E+00	3.78E+00	3.64E+00	2.51E-01	9.48E+00	1.80E+00	4.33E-04	3.99E-02	7.34E-03	1.85E+00
4703	495363.09	3860377.25	1.65E+00	3.46E-04	3.62E-02	7.09E-03	1.69E+00	1.72E+00	3.53E+00	3.30E+00	2.43E-01	8.79E+00	1.71E+00	4.05E-04	3.62E-02	7.09E-03	1.76E+00
4704	495863.09	3860377.25	1.62E+00	2.69E-04	4.00E-02	9.07E-03	1.67E+00	1.69E+00	2.75E+00	3.65E+00	3.10E-01	8.41E+00	1.69E+00	3.15E-04	4.00E-02	9.07E-03	1.74E+00
4705	496363.09	3860377.25	1.65E+00	1.92E-04	6.19E-02	1.40E-02	1.72E+00	1.72E+00	1.96E+00	5.65E+00	4.80E-01	9.81E+00	1.71E+00	2.25E-04	6.19E-02	1.40E-02	1.79E+00
4706	496863.09	3860377.25	1.51E+00	1.51E-04	8.24E-02	1.50E-02	1.61E+00	1.58E+00	1.55E+00	7.52E+00	5.12E-01	1.12E+01	1.57E+00	1.77E-04	8.24E-02	1.50E-02	1.67E+00
4707	497363.09	3860377.25	1.33E+00	1.15E-04	8.42E-02	1.37E-02	1.42E+00	1.38E+00	1.18E+00	7.68E+00	4.70E-01	1.07E+01	1.38E+00	1.35E-04	8.42E-02	1.37E-02	1.48E+00
4708	497863.09	3860377.25	1.46E+00	1.68E-04	5.32E-02	1.50E-02	1.52E+00	1.52E+00	1.71E+00	4.85E+00	5.13E-01	8.60E+00	1.52E+00	1.96E-04	5.32E-02	1.50E-02	1.58E+00
4709	498363.09	3860377.25	1.15E+00	2.44E-04	3.89E-02	7.74E-03	1.20E+00	1.20E+00	2.49E+00	3.55E+00	2.65E-01	7.50E+00	1.20E+00	2.85E-04	3.89E-02	7.74E-03	1.25E+00
4710	471363.09	3860877.25	7.16E-01	1.55E-04	1.57E-02	6.33E-03	7.38E-01	7.47E-01	1.59E+00	1.44E+00	2.16E-01	3.98E+00	7.45E-01	1.82E-04	1.57E-02	6.33E-03	7.67E-01
4711	471863.09	3860877.25	7.36E-01	1.56E-04	1.60E-02	6.70E-03	7.59E-01	7.68E-01	1.59E+00	1.46E+00	2.29E-01	4.04E+00	7.66E-01	1.82E-04	1.60E-02	6.70E-03	7.89E-01
4712	472363.09	3860877.25	7.43E-01	1.60E-04	1.63E-02	6.91E-03	7.66E-01	7.75E-01	1.63E+00	1.49E+00	2.36E-01	4.14E+00	7.73E-01	1.87E-04	1.63E-02	6.91E-03	7.97E-01
4713	472863.09	3860877.25	7.40E-01	1.66E-04	1.73E-02	6.60E-03	7.64E-01	7.72E-01	1.70E+00	1.58E+00	2.26E-01	4.28E+00	7.70E-01	1.95E-04	1.73E-02	6.60E-03	7.95E-01
4714	473363.09	3860877.25	7.27E-01	1.67E-04	1.89E-02	6.45E-03	7.53E-01	7.59E-01	1.71E+00	1.72E+00	2.21E-01	4.41E+00	7.57E-01	1.96E-04	1.89E-02	6.45E-03	7.83E-01
4715	473863.09	3860877.25	7.36E-01	1.65E-04	2.07E-02	6.37E-03	7.64E-01	7.68E-01	1.69E+00	1.89E+00	2.18E-01	4.56E+00	7.67E-01	1.93E-04	2.07E-02	6.37E-03	7.94E-01
4716	474363.09	3860877.25	7.61E-01	1.61E-04	2.30E-02	6.63E-03	7.91E-01	7.94E-01	1.64E+00	2.10E+00	2.27E-01	4.76E+00	7.93E-01	1.88E-04	2.30E-02	6.63E-03	8.23E-01
4717	474863.09	3860877.25	7.76E-01	1.57E-04	2.62E-02	8.68E-03	8.11E-01	8.10E-01	1.61E+00	2.39E+00	2.97E-01	5.10E+00	8.08E-01	1.84E-04	2.62E-02	8.68E-03	8.43E-01
4718	475363.09	3860877.25	7.76E-01	1.35E-04	3.16E-02	1.04E-02	8.18E-01	8.10E-01	1.38E+00	2.88E+00	3.54E-01	5.42E+00	8.08E-01	1.57E-04	3.16E-02	1.04E-02	8.51E-01
4719	475863.09	3860877.25	7.40E-01	1.02E-04	3.74E-02	1.12E-02	7.89E-01	7.72E-01	1.04E+00	3.41E+00	3.82E-01	5.61E+00	7.71E-01	1.19E-04	3.74E-02	1.12E-02	8.19E-01
4720	476363.09	3860877.25	6.46E-01	7.93E-05	3.71E-02	1.06E-02	6.94E-01	6.74E-01	8.10E-01	3.39E+00	3.63E-01	5.23E+00	6.73E-01	9.28E-05	3.71E-02	1.06E-02	7.20E-01
4721	476863.09	3860877.25	5.88E-01	7.91E-05	3.50E-02	1.18E-02	6.35E-01	6.14E-01	8.08E-01	3.20E+00	4.02E-01	5.02E+00	6.13E-01	9.26E-05	3.50E-02	1.18E-02	6.60E-01
4722	477363.09	3860877.25	5.97E-01	8.36E-05	3.77E-02	1.16E-02	6.47E-01	6.23E-01	8.54E-01	3.44E+00	3.97E-01	5.31E+00	6.22E-01	9.78E-05	3.77E-02	1.16E-02	6.71E-01
4723	477863.09	3860877.25	5.10E-01	8.09E-05	3.38E-02	7.75E-03	5.52E-01	5.32E-01	8.26E-01	3.09E+00	2.65E-01	4.71E+00	5.31E-01	9.46E-05	3.38E-02	7.75E-03	5.73E-01
4724	478363.09	3860877.25	2.97E-01	6.89E-05	2.33E-02	4.78E-03	3.25E-01	3.10E-01	7.04E-01	2.13E+00	1.63E-01	3.31E+00	3.09E-01	8.06E-05	2.33E-02	4.78E-03	3.37E-01
4725	478863.09	3860877.25	6.23E-01	9.13E-05	3.95E-02	1.93E-02	6.82E-01	6.50E-01	9.33E-01	3.60E+00	6.61E-01	5.84E+00	6.49E-01	1.07E-04	3.95E-02	1.93E-02	7.08E-01
4726	479363.09	3860877.25	8.21E-01	1.41E-04	4.66E-02	2.04E-02	8.89E-01	8.57E-01	1.44E+00	4.25E+00	6.99E-01	7.24E+00	8.55E-01	1.65E-04	4.66E-02	2.04E-02	9.23E-01
4727	479863.09	3860877.25	9.11E-01	1.88E-04	3.66E-02	7.36E-03	9.56E-01	9.51E-01	1.92E+00	3.34E+00	2.52E-01	6.46E+00	9.49E-01	2.20E-04	3.66E-02	7.36E-03	9.93E-01
4728	480363.09	3860877.25	9.48E-01	2.30E-04	3.55E-02	5.25E-03	9.89E-01	9.89E-01	2.35E+00	3.24E+00	1.80E-01	6.75E+00	9.87E-01	2.69E-04	3.55E-02	5.25E-03	1.03E+00
4729	480863.09	3860877.25	9.80E-01	2.52E-04	3.36E-02	5.28E-03	1.02E+00	1.02E+00	2.57E+00	3.07E+00	1.80E-01	6.84E+00	1.02E+00	2.95E-04	3.36E-02	5.28E-03	1.06E+00
4730	481363.09	3860877.25	1.02E+00	2.66E-04	3.35E-02	5.62E-03	1.05E+00	1.06E+00	2.72E+00	3.05E+00	1.92E-01	7.02E+00	1.06E+00	3.11E-04	3.35E-02	5.62E-03	1.10E+00
4731	481863.09	3860877.25	1.06E+00	2.70E-04	3.55E-02	5.82E-03	1.10E+00	1.10E+00	2.76E+00	3.24E+00	1.99E-01	7.30E+00	1.10E+00	3.16E-04	3.55E-02	5.82E-03	1.14E+00
4732	482363.09	3860877.25	1.06E+00	2.84E-04	3.62E-02	6.10E-03	1.11E+00	1.11E+00	2.90E+00	3.30E+00	2.09E-01	7.52E+00	1.11E+00	3.32E-04	3.62E-02	6.10E-03	1.15E+00
4733	482863.09	3860877.25	1.10E+00	2.93E-04	3.29E-02	6.33E-03	1.14E+00	1.14E+00	3.00E+00	3.00E+00	2.16E-01	7.36E+00	1.14E+00	3.43E-04	3.29E-02	6.33E-03	1.18E+00
4734	483363.09	3860877.25	1.09E+00	3.11E-04	4.20E-02	7.21E-03	1.14E+00	1.14E+00	3.17E+00	3.83E+00	2.47E-01	8.40E+00	1.14E+00	3.64E-04	4.20E-02	7.21E-03	1.19E+00
4735	483863.09	3860877.25	1.11E+00	3.40E-04	4.46E-02	7.40E-03	1.16E+00	1.16E+00	3.47E+00	4.07E+00	2.53E-01	8.95E+00	1.15E+00	3.97E-04	4.46E-02	7.40E-03	1.21E+00
4736	484363.09	3860877.25	1.25E+00	3.80E-04	4.64E-02	6.99E-03	1.30E+00	1.31E+00	3.88E+00	4.23E+00	2.39E-01	9.66E+00	1.30E+00	4.44E-04	4.64E-02	6.99E-03	1.36E+00
4737	484863.09	3860877.25	1.28E+00	4.21E-04	4.88E-02	7.60E-03	1.33E+00	1.33E+00	4.30E+00	4.45E+00	2.60E-01	1.03E+01	1.33E+00	4.92E-04	4.88E-02	7.60E-03	1.39E+00
4738	485363.09	3860877.25	1.37E+00	4.60E-04	4.43E-02	7.93E-03	1.42E+00	1.42E+00	4.70E+00	4.04E+00	2.71E-01	1.04E+01	1.42E+00	5.38E-04	4.43E-02	7.93E-03	1.47E+00
4739	485863.09	3860877.25	1.45E+00	4.95E-04	3.41E-02	8.32E-03	1.49E+00	1.51E+00	5.06E+00	3.11E+00	2.85E-01	9.97E+00	1.51E+00	5.79E-04	3.41E-02	8.32E-03	1.55E+00
4740	486363.09	3860877.25	1.52E+00	5.82E-04	2.62E-02	7.98E-03	1.55E+00	1.58E+00	5.95E+00	2.39E+00	2.73E-01	1.02E+01	1.58E+00	6.81E-04	2.62E-02	7.98E-03	1.62E+00
4741	486863.09	3860877.25	1.63E+00	7.25E-04	1.36E-02	1.03E-02	1.66E+00	1.70E+00	7.41E+00	1.24E+00	3.51E-01	1.07E+01	1.70E+00	8.49E-04	1.36E-02	1.03E-02	1.72E+00
4742	487363.09	3860877.25	1.79E+00	9.91E-04	3.05E-02	1.57E-02	1.84E+00	1.87E+00	1.01E+01	2.78E+00	5.37E-01	1.53E+01	1.87E+00	1.16E-03	3.05E-02	1.57E-02	1.91E+00
4743	487863.09	3860877.25	2.09E+00	1.24E-03	4.74E-02	1.07E-02	2.15E+00	2.18E+00	1.27E+01	4.32E+00	3.66E-01	1.96E+01	2.17E+00	1.46E-03	4.74E-02	1.07E-02	2.23E+00
4744	488363.09	3860877.25	2.50E+00	1.72E-03	3.28E-02	1.25E-02	2.55E+00	2.61E+00	1.76E+01	2.99E+00	4.28E-01	2.36E+01	2.60E+00	2.02E-03	3.28E-02	1.25E-02	2.65E+00
4745	488863.09	3860877.25	2.89E+00	1.86E-03	2.20E-02	1.45E-02	2.93E+00	3.02E+00	1.90E+01	2.00E+00	4.95E-01	2.45E+01	3.01E+00	2.18E-03	2.20E-02	1.45E-02	3.05E+00
4746	489363.09	3860877.25	2.77E+00	2.00E-03	2.76E-02	2.09E-02	2.82E+00	2.89E+00	2.04E+01	2.51E+00	7.14E-01	2.66E+01	2.88E+00	2.34E-03	2.76E-02	2.09E-02	2.93E+00
4747	489863.09	3860877.25	2.75E+00	1.38E-03	3.05E-02	1.56E-02	2.79E+00	2.87E+00	1.41E+01	2.78E+00	5.33E-01	2.03E+01	2.86E+00	1.61E-03	3.05E-02	1.56E-02	2.91E+00
4748	490363.09	3860877.25	2.70E+00	1.04E-03	4.04E-02	1.26E-02	2.76E+00	2.82E+00	1.06E+01	3.69E+00	4.30E-01	1.75E+01	2.82E+00	1.21E-03	4.04E-02	1.26E-02	2.87E+00
4749	490863.09	3860877.25	2.71E+00	9.80E-04	4.58E-02	1.05E-02	2.76E+00	2.82E+00	1.00E+01	4.17E+00	3.59E-01	1.74E+01	2.82E+00	1.15E-03	4.58E-02	1.05E-02	2.87E+00
4750	491363.09	3860877.25	2.44E+00	9.06E-04	4.57E-02	9.38E-03	2.49E+00	2.54E+00	9.26E+00	4.17E+00	3.21E-01	1.63E+01	2.54E+00	1.06E-03	4.57E-02	9.38E-03	2.60E+00
4751	491863.09	3860877.25	2.25E+00	8.08E-04	3.44E-02	8.18E-03	2.29E+00	2.35E+00	8.26E+00	3.14E+00	2.80E-01	1.40E+01	2.34E+00	9.45E-04	3.44E-02	8.18E-03	2.38E+00
4752	492363.09	3860877.25	2.09E+00	6.32E-04	3.15E-02	7.40E-03	2.13E+00	2.18E+00	6.46E+00	2.87E+00	2.53E-01	1.18E+01	2.18E+00	7.39E-04	3.15E-02	7.40E-03	2.22E+00
4753	492863.09	3860877.25	1.98E+00	5.35E-04	3.08E-02	7.32E-03	2.02E+00	2.07E+00	5.47E+00	2.81E+00	2.50E-01	1.06E+01	2.06E+00	6.26E-04	3.08E-02	7.32E-03	2.10E+00
4754	493363.09	3860877.25	1.94E+00	4.77E-04	3.06E-02	7.51E-03	1.98E+00	2.02E+00	4.87E+00	2.79E+00	2.57E-01	9.93E+00	2.02E+00	5.58E-04	3.06E-02	7.51E-03	2.06E+00

4755	493863.09	3860877.25	1.98E+00	4.32E-04	3.02E-02	7.52E-03	2.02E+00	2.07E+00	4.41E+00	2.76E+00	2.57E-01	9.49E+00	2.06E+00	5.05E-04	3.02E-02	7.52E-03	2.10E+00
4756	494363.09	3860877.25	1.88E+00	4.10E-04	3.41E-02	7.71E-03	1.92E+00	1.96E+00	4.19E+00	3.11E+00	2.64E-01	9.53E+00	1.96E+00	4.79E-04	3.41E-02	7.71E-03	2.00E+00
4757	494863.09	3860877.25	1.91E+00	3.84E-04	3.73E-02	8.11E-03	1.95E+00	1.99E+00	3.92E+00	3.40E+00	2.77E-01	9.59E+00	1.99E+00	4.49E-04	3.73E-02	8.11E-03	2.03E+00
4758	495363.09	3860877.25	1.78E+00	3.60E-04	3.96E-02	8.13E-03	1.83E+00	1.86E+00	3.68E+00	3.61E+00	2.78E-01	9.43E+00	1.85E+00	4.21E-04	3.96E-02	8.13E-03	1.90E+00
4759	495863.09	3860877.25	1.50E+00	3.43E-04	3.50E-02	7.91E-03	1.54E+00	1.56E+00	3.50E+00	3.19E+00	2.70E-01	8.53E+00	1.56E+00	4.01E-04	3.50E-02	7.91E-03	1.60E+00
4760	496363.09	3860877.25	1.45E+00	3.23E-04	3.40E-02	7.43E-03	1.49E+00	1.52E+00	3.29E+00	3.10E+00	2.54E-01	8.16E+00	1.51E+00	3.77E-04	3.40E-02	7.43E-03	1.55E+00
4761	496863.09	3860877.25	1.47E+00	2.65E-04	3.24E-02	8.09E-03	1.51E+00	1.53E+00	2.71E+00	2.96E+00	2.77E-01	7.48E+00	1.53E+00	3.11E-04	3.24E-02	8.09E-03	1.57E+00
4762	497363.09	3860877.25	1.41E+00	2.52E-04	3.59E-02	8.17E-03	1.45E+00	1.47E+00	2.57E+00	3.27E+00	2.79E-01	7.59E+00	1.46E+00	2.95E-04	3.59E-02	8.17E-03	1.51E+00
4763	497863.09	3860877.25	1.40E+00	2.24E-04	4.23E-02	9.70E-03	1.45E+00	1.46E+00	2.28E+00	3.86E+00	3.32E-01	7.93E+00	1.46E+00	2.62E-04	4.23E-02	9.70E-03	1.51E+00
4764	498363.09	3860877.25	1.16E+00	2.47E-04	3.50E-02	7.08E-03	1.21E+00	1.21E+00	2.52E+00	3.19E+00	2.42E-01	7.17E+00	1.21E+00	2.89E-04	3.50E-02	7.08E-03	1.25E+00
4765	471363.09	3861377.25	6.79E-01	1.42E-04	1.80E-02	6.39E-03	7.04E-01	7.09E-01	1.45E+00	1.64E+00	2.18E-01	4.02E+00	7.07E-01	1.66E-04	1.80E-02	6.39E-03	7.32E-01
4766	471863.09	3861377.25	6.64E-01	1.44E-04	1.88E-02	6.17E-03	6.89E-01	6.93E-01	1.48E+00	1.72E+00	2.11E-01	4.10E+00	6.91E-01	1.69E-04	1.88E-02	6.17E-03	7.16E-01
4767	472363.09	3861377.25	6.70E-01	1.47E-04	1.94E-02	5.81E-03	6.96E-01	6.99E-01	1.50E+00	1.77E+00	1.99E-01	4.17E+00	6.98E-01	1.72E-04	1.94E-02	5.81E-03	7.23E-01
4768	472863.09	3861377.25	6.89E-01	1.51E-04	1.93E-02	5.61E-03	7.14E-01	7.19E-01	1.54E+00	1.76E+00	1.92E-01	4.21E+00	7.17E-01	1.76E-04	1.93E-02	5.61E-03	7.42E-01
4769	473363.09	3861377.25	7.08E-01	1.51E-04	1.95E-02	5.57E-03	7.33E-01	7.39E-01	1.55E+00	1.78E+00	1.90E-01	4.25E+00	7.37E-01	1.77E-04	1.95E-02	5.57E-03	7.62E-01
4770	473863.09	3861377.25	7.28E-01	1.47E-04	2.04E-02	5.75E-03	7.55E-01	7.60E-01	1.50E+00	1.86E+00	1.97E-01	4.32E+00	7.59E-01	1.72E-04	2.04E-02	5.75E-03	7.85E-01
4771	474363.09	3861377.25	7.29E-01	1.53E-04	2.23E-02	5.47E-03	7.57E-01	7.61E-01	1.56E+00	2.03E+00	1.87E-01	4.55E+00	7.60E-01	1.79E-04	2.23E-02	5.47E-03	7.88E-01
4772	474863.09	3861377.25	7.43E-01	1.53E-04	2.46E-02	5.89E-03	7.73E-01	7.75E-01	1.56E+00	2.24E+00	2.01E-01	4.78E+00	7.73E-01	1.79E-04	2.46E-02	5.89E-03	8.04E-01
4773	475363.09	3861377.25	7.50E-01	1.60E-04	2.60E-02	5.72E-03	7.81E-01	7.82E-01	1.64E+00	2.37E+00	1.96E-01	4.98E+00	7.81E-01	1.87E-04	2.60E-02	5.72E-03	8.13E-01
4774	475863.09	3861377.25	7.58E-01	1.51E-04	2.84E-02	8.62E-03	7.96E-01	7.91E-01	1.54E+00	2.59E+00	2.95E-01	5.22E+00	7.90E-01	1.76E-04	2.84E-02	8.62E-03	8.27E-01
4775	476363.09	3861377.25	7.56E-01	1.43E-04	3.00E-02	1.14E-02	7.97E-01	7.88E-01	1.46E+00	2.73E+00	3.91E-01	5.38E+00	7.87E-01	1.68E-04	3.00E-02	1.14E-02	8.28E-01
4776	476863.09	3861377.25	7.43E-01	1.40E-04	3.02E-02	1.33E-02	7.87E-01	7.75E-01	1.43E+00	2.75E+00	4.54E-01	5.41E+00	7.74E-01	1.63E-04	3.02E-02	1.33E-02	8.17E-01
4777	477363.09	3861377.25	7.33E-01	1.38E-04	3.22E-02	1.50E-02	7.81E-01	7.65E-01	1.41E+00	2.93E+00	5.12E-01	5.62E+00	7.64E-01	1.62E-04	3.22E-02	1.50E-02	8.11E-01
4778	477863.09	3861377.25	6.25E-01	9.62E-05	4.71E-02	1.59E-02	6.88E-01	6.52E-01	9.83E-01	4.29E+00	5.45E-01	6.47E+00	6.51E-01	1.13E-04	4.71E-02	1.59E-02	7.14E-01
4779	478363.09	3861377.25	4.34E-01	7.42E-05	3.43E-02	6.00E-03	4.74E-01	4.53E-01	7.58E-01	3.12E+00	2.05E-01	4.54E+00	4.52E-01	8.68E-05	3.43E-02	6.00E-03	4.92E-01
4780	478863.09	3861377.25	4.79E-01	7.32E-05	5.36E-02	9.79E-03	5.43E-01	5.00E-01	7.47E-01	4.89E+00	3.35E-01	6.47E+00	4.99E-01	8.56E-05	5.36E-02	9.79E-03	5.63E-01
4781	479363.09	3861377.25	8.04E-01	1.34E-04	8.03E-02	2.02E-02	9.05E-01	8.39E-01	1.37E+00	7.32E+00	6.92E-01	1.02E+01	8.37E-01	1.56E-04	8.03E-02	2.02E-02	9.38E-01
4782	479863.09	3861377.25	8.85E-01	1.80E-04	3.46E-02	6.94E-03	9.27E-01	9.23E-01	1.84E+00	3.16E+00	2.37E-01	6.16E+00	9.21E-01	2.11E-04	3.46E-02	6.94E-03	9.63E-01
4783	480363.09	3861377.25	9.17E-01	2.22E-04	2.95E-02	5.49E-03	9.52E-01	9.57E-01	2.27E+00	2.69E+00	1.88E-01	6.11E+00	9.55E-01	2.60E-04	2.95E-02	5.49E-03	9.90E-01
4784	480863.09	3861377.25	9.42E-01	2.36E-04	3.27E-02	5.74E-03	9.80E-01	9.82E-01	2.41E+00	2.98E+00	1.96E-01	6.57E+00	9.80E-01	2.77E-04	3.27E-02	5.74E-03	1.02E+00
4785	481363.09	3861377.25	9.76E-01	2.50E-04	3.35E-02	5.92E-03	1.02E+00	1.02E+00	2.56E+00	3.06E+00	2.03E-01	6.84E+00	1.02E+00	2.93E-04	3.35E-02	5.92E-03	1.06E+00
4786	481863.09	3861377.25	9.72E-01	2.62E-04	3.11E-02	6.03E-03	1.01E+00	1.01E+00	2.68E+00	2.84E+00	2.06E-01	6.74E+00	1.01E+00	3.07E-04	3.11E-02	6.03E-03	1.05E+00
4787	482363.09	3861377.25	1.01E+00	2.71E-04	3.51E-02	6.11E-03	1.05E+00	1.05E+00	2.77E+00	3.20E+00	2.09E-01	7.23E+00	1.05E+00	3.17E-04	3.51E-02	6.11E-03	1.09E+00
4788	482863.09	3861377.25	1.00E+00	2.87E-04	4.04E-02	6.48E-03	1.05E+00	1.05E+00	2.93E+00	3.68E+00	2.22E-01	7.88E+00	1.04E+00	3.36E-04	4.04E-02	6.48E-03	1.09E+00
4789	483363.09	3861377.25	1.02E+00	3.02E-04	3.87E-02	7.34E-03	1.07E+00	1.06E+00	3.08E+00	3.53E+00	2.51E-01	7.93E+00	1.06E+00	3.53E-04	3.87E-02	7.34E-03	1.11E+00
4790	483863.09	3861377.25	1.04E+00	3.25E-04	4.87E-02	7.75E-03	1.09E+00	1.08E+00	3.32E+00	4.44E+00	2.65E-01	9.11E+00	1.08E+00	3.80E-04	4.87E-02	7.75E-03	1.14E+00
4791	484363.09	3861377.25	1.22E+00	3.52E-04	4.77E-02	7.13E-03	1.28E+00	1.28E+00	3.60E+00	4.35E+00	2.44E-01	9.47E+00	1.27E+00	4.12E-04	4.77E-02	7.13E-03	1.33E+00
4792	484863.09	3861377.25	1.25E+00	3.63E-04	4.17E-02	6.81E-03	1.30E+00	1.31E+00	3.70E+00	3.80E+00	2.33E-01	9.04E+00	1.30E+00	4.24E-04	4.17E-02	6.81E-03	1.35E+00
4793	485363.09	3861377.25	1.30E+00	3.90E-04	3.42E-02	6.79E-03	1.34E+00	1.35E+00	3.99E+00	3.12E+00	2.32E-01	8.69E+00	1.35E+00	4.57E-04	3.42E-02	6.79E-03	1.39E+00
4794	485863.09	3861377.25	1.37E+00	4.44E-04	2.25E-02	9.23E-03	1.40E+00	1.42E+00	4.54E+00	2.05E+00	3.16E-01	8.33E+00	1.42E+00	5.20E-04	2.25E-02	9.23E-03	1.45E+00
4795	486363.09	3861377.25	1.40E+00	5.63E-04	2.55E-02	9.67E-03	1.44E+00	1.46E+00	5.75E+00	2.33E+00	3.31E-01	9.88E+00	1.46E+00	6.59E-04	2.55E-02	9.67E-03	1.50E+00
4796	486863.09	3861377.25	1.50E+00	6.70E-04	1.81E-02	1.06E-02	1.53E+00	1.56E+00	6.84E+00	1.65E+00	3.64E-01	1.04E+01	1.56E+00	7.83E-04	1.81E-02	1.06E-02	1.59E+00
4797	487363.09	3861377.25	1.61E+00	8.28E-04	3.23E-02	7.00E-03	1.65E+00	1.68E+00	8.46E+00	2.94E+00	2.39E-01	1.33E+01	1.68E+00	9.68E-04	3.23E-02	7.00E-03	1.72E+00
4798	487863.09	3861377.25	1.82E+00	8.67E-04	4.66E-02	5.93E-03	1.88E+00	1.90E+00	8.85E+00	4.25E+00	2.03E-01	1.52E+01	1.90E+00	1.01E-03	4.66E-02	5.93E-03	1.95E+00
4799	488363.09	3861377.25	1.98E+00	1.02E-03	3.09E-02	7.75E-03	2.02E+00	2.06E+00	1.04E+01	2.82E+00	2.65E-01	1.56E+01	2.06E+00	1.19E-03	3.09E-02	7.75E-03	2.10E+00
4800	488863.09	3861377.25	2.60E+00	1.31E-03	2.33E-02	1.24E-02	2.64E+00	2.72E+00	1.34E+01	2.13E+00	4.24E-01	1.87E+01	2.71E+00	1.53E-03	2.33E-02	1.24E-02	2.75E+00
4801	489363.09	3861377.25	2.45E+00	1.41E-03	2.06E-02	1.43E-02	2.48E+00	2.55E+00	1.44E+01	1.88E+00	4.90E-01	1.93E+01	2.55E+00	1.65E-03	2.06E-02	1.43E-02	2.58E+00
4802	489863.09	3861377.25	2.47E+00	1.47E-03	2.57E-02	1.52E-02	2.51E+00	2.58E+00	1.50E+01	2.34E+00	5.20E-01	2.05E+01	2.57E+00	1.72E-03	2.57E-02	1.52E-02	2.62E+00
4803	490363.09	3861377.25	2.34E+00	1.24E-03	3.00E-02	1.40E-02	2.38E+00	2.44E+00	1.27E+01	2.74E+00	4.78E-01	1.84E+01	2.43E+00	1.46E-03	3.00E-02	1.40E-02	2.48E+00
4804	490863.09	3861377.25	2.40E+00	9.58E-04	3.81E-02	1.18E-02	2.45E+00	2.50E+00	9.79E+00	3.48E+00	4.04E-01	1.62E+01	2.50E+00	1.12E-03	3.81E-02	1.18E-02	2.55E+00
4805	491363.09	3861377.25	2.41E+00	8.52E-04	4.21E-02	9.82E-03	2.46E+00	2.52E+00	8.71E+00	3.84E+00	3.36E-01	1.54E+01	2.51E+00	9.97E-04	4.21E-02	9.82E-03	2.56E+00
4806	491863.09	3861377.25	2.12E+00	7.98E-04	4.25E-02	9.20E-03	2.18E+00	2.22E+00	8.15E+00	3.87E+00	3.15E-01	1.46E+01	2.21E+00	9.34E-04	4.25E-02	9.20E-03	2.26E+00
4807	492363.09	3861377.25	2.02E+00	7.42E-04	3.20E-02	8.54E-03	2.06E+00	2.10E+00	7.58E+00	2.92E+00	2.92E-01	1.29E+01	2.10E+00	8.68E-04	3.20E-02	8.54E-03	2.14E+00
4808	492863.09	3861377.25	1.91E+00	6.73E-04	2.90E-02	7.90E-03	1.95E+00	1.99E+00	6.87E+00	2.64E+00	2.70E-01	1.18E+01	1.99E+00	7.87E-04	2.90E-02	7.90E-03	2.03E+00
4809	493363.09	3861377.25	1.76E+00	5.52E-04	2.72E-02	7.41E-03	1.79E+00	1.83E+00	5.64E+00	2.48E+00	2.53E-01	1.02E+01	1.83E+00	6.46E-04	2.72E-02	7.41E-03	1.86E+00
4810	493863.09	3861377.25	1.67E+00	4.75E-04	2.92E-02	6.92E-03	1.71E+00	1.74E+00	4.85E+00	2.67E+00	2.37E-01	9.50E+00	1.74E+00	5.55E-04	2.92E-02	6.92E-03	1.78E+00
4811	494363.09	3861377.25	1.64E+00	4.22E-04	2.65E-02	6.56E-03	1.68E+00	1.71E+00	4.31E+00	2.41E+00	2.25E-01	8.66E+00	1.71E+00	4.94E-04	2.65E-02	6.56E-03	1.75E+00
4812	494863.09	3861377.25	1.67E+00	3.86E-04	2.57E-02	6.64E-03	1.70E+00	1.74E+00	3.95E+00	2.34E+00	2.27E-01	8.25E+00	1.74E+00	4.52E-04	2.57E-02	6.64E-03	1.77E+00
4813	495363.09	3861377.25	1.58E+00	3.56E-04	2.88E-02	6.64E-03	1.62E+00	1.65E+00	3.64E+00	2.63E+00	2.27E-01	8.15E+00	1.65E+00	4.17E-04	2.88E-02	6.64E-03	1.68E+00
4814	495863.09	3861377.25	1.60E+00	3.34E-04	3.10E-02	6.73E-03	1.64E+00	1.67E+00	3.41E+00	2.83E+00	2.30E-01	8.14E+00	1.67E+00	3.91E-04	3.10E-02	6.73E-03	1.70E+00
4815	496363.09	3861377.25	1.53E+00	3.26E-04	3.28E-02	7.00E-03	1.57E+00	1.59E+00	3.34E+00	2.99E+00	2.39E-01	8.16E+00	1.59E+00	3.82E-04	3.28E-02	7.00E-03	1.63E+00

4816	496863.09	3861377.25	1.34E+00	3.11E-04	3.46E-02	7.53E-03	1.38E+00	1.39E+00	3.18E+00	3.16E+00	2.58E-01	7.99E+00	1.39E+00	3.64E-04	3.46E-02	7.53E-03	1.43E+00
4817	497363.09	3861377.25	1.29E+00	3.10E-04	3.10E-02	7.40E-03	1.33E+00	1.35E+00	3.17E+00	2.83E+00	2.53E-01	7.59E+00	1.34E+00	3.63E-04	3.10E-02	7.40E-03	1.38E+00
4818	497863.09	3861377.25	1.24E+00	2.96E-04	2.93E-02	7.30E-03	1.27E+00	1.29E+00	3.02E+00	2.68E+00	2.50E-01	7.24E+00	1.29E+00	3.46E-04	2.93E-02	7.30E-03	1.32E+00
4819	498363.09	3861377.25	1.16E+00	2.80E-04	2.92E-02	7.14E-03	1.20E+00	1.21E+00	2.86E+00	2.66E+00	2.44E-01	6.98E+00	1.21E+00	3.27E-04	2.92E-02	7.14E-03	1.25E+00
4820	471363.09	3861877.25	6.28E-01	1.34E-04	1.74E-02	4.73E-03	6.50E-01	6.55E-01	1.37E+00	1.59E+00	1.62E-01	3.78E+00	6.54E-01	1.57E-04	1.74E-02	4.73E-03	6.76E-01
4821	471863.09	3861877.25	6.49E-01	1.39E-04	1.85E-02	4.63E-03	6.73E-01	6.78E-01	1.42E+00	1.69E+00	1.58E-01	3.94E+00	6.76E-01	1.63E-04	1.85E-02	4.63E-03	7.00E-01
4822	472363.09	3861877.25	6.63E-01	1.43E-04	2.01E-02	4.61E-03	6.88E-01	6.92E-01	1.46E+00	1.83E+00	1.58E-01	4.14E+00	6.90E-01	1.67E-04	2.01E-02	4.61E-03	7.15E-01
4823	472863.09	3861877.25	6.71E-01	1.47E-04	2.16E-02	4.63E-03	6.98E-01	7.01E-01	1.50E+00	1.97E+00	1.58E-01	4.33E+00	6.99E-01	1.72E-04	2.16E-02	4.63E-03	7.26E-01
4824	473363.09	3861877.25	6.76E-01	1.53E-04	2.29E-02	4.53E-03	7.04E-01	7.06E-01	1.56E+00	2.09E+00	1.55E-01	4.51E+00	7.04E-01	1.79E-04	2.29E-02	4.53E-03	7.32E-01
4825	473863.09	3861877.25	6.89E-01	1.55E-04	2.37E-02	4.53E-03	7.18E-01	7.19E-01	1.58E+00	2.16E+00	1.55E-01	4.62E+00	7.18E-01	1.81E-04	2.37E-02	4.53E-03	7.46E-01
4826	474363.09	3861877.25	7.03E-01	1.58E-04	2.38E-02	4.45E-03	7.31E-01	7.34E-01	1.62E+00	2.17E+00	1.52E-01	4.67E+00	7.32E-01	1.85E-04	2.38E-02	4.45E-03	7.61E-01
4827	474863.09	3861877.25	7.10E-01	1.61E-04	2.33E-02	4.76E-03	7.38E-01	7.41E-01	1.64E+00	2.12E+00	1.63E-01	4.67E+00	7.39E-01	1.88E-04	2.33E-02	4.76E-03	7.68E-01
4828	475363.09	3861877.25	7.08E-01	1.68E-04	2.25E-02	4.94E-03	7.35E-01	7.38E-01	1.72E+00	2.05E+00	1.69E-01	4.68E+00	7.37E-01	1.97E-04	2.25E-02	4.94E-03	7.64E-01
4829	475863.09	3861877.25	7.02E-01	1.77E-04	2.27E-02	4.90E-03	7.30E-01	7.32E-01	1.81E+00	2.07E+00	1.68E-01	4.78E+00	7.31E-01	2.08E-04	2.27E-02	4.90E-03	7.59E-01
4830	476363.09	3861877.25	6.96E-01	1.80E-04	2.41E-02	5.22E-03	7.26E-01	7.26E-01	1.84E+00	2.20E+00	1.78E-01	4.94E+00	7.25E-01	2.10E-04	2.41E-02	5.22E-03	7.54E-01
4831	476863.09	3861877.25	6.99E-01	1.72E-04	2.86E-02	6.55E-03	7.34E-01	7.29E-01	1.75E+00	2.60E+00	2.24E-01	5.31E+00	7.28E-01	2.01E-04	2.86E-02	6.55E-03	7.63E-01
4832	477363.09	3861877.25	6.81E-01	1.56E-04	3.77E-02	7.71E-03	7.27E-01	7.11E-01	1.60E+00	3.44E+00	2.64E-01	6.01E+00	7.10E-01	1.83E-04	3.77E-02	7.71E-03	7.55E-01
4833	477863.09	3861877.25	6.19E-01	9.34E-05	8.17E-02	2.07E-02	7.22E-01	6.46E-01	9.55E-01	7.45E+00	7.07E-01	9.76E+00	6.45E-01	1.09E-04	8.17E-02	2.07E-02	7.47E-01
4834	478363.09	3861877.25	3.55E-01	6.80E-05	2.60E-02	4.84E-03	3.86E-01	3.70E-01	6.95E-01	2.38E+00	1.66E-01	3.61E+00	3.69E-01	7.95E-05	2.60E-02	4.84E-03	4.00E-01
4835	478863.09	3861877.25	5.39E-01	8.40E-05	3.82E-02	8.11E-03	5.85E-01	5.62E-01	8.58E-01	3.48E+00	2.77E-01	5.18E+00	5.61E-01	9.82E-05	3.82E-02	8.11E-03	6.07E-01
4836	479363.09	3861877.25	5.05E-01	7.70E-05	3.19E-02	5.97E-03	5.43E-01	5.27E-01	7.87E-01	2.91E+00	2.04E-01	4.43E+00	5.26E-01	9.01E-05	3.19E-02	5.97E-03	5.64E-01
4837	479863.09	3861877.25	8.59E-01	1.61E-04	3.21E-02	7.70E-03	8.99E-01	8.97E-01	1.65E+00	2.93E+00	2.63E-01	5.74E+00	8.95E-01	1.88E-04	3.21E-02	7.70E-03	9.35E-01
4838	480363.09	3861877.25	8.86E-01	2.10E-04	3.10E-02	5.47E-03	9.23E-01	9.24E-01	2.15E+00	2.83E+00	1.87E-01	6.09E+00	9.23E-01	2.46E-04	3.10E-02	5.47E-03	9.59E-01
4839	480863.09	3861877.25	9.09E-01	2.27E-04	2.92E-02	5.61E-03	9.44E-01	9.48E-01	2.32E+00	2.67E+00	1.92E-01	6.13E+00	9.46E-01	2.66E-04	2.92E-02	5.61E-03	9.81E-01
4840	481363.09	3861877.25	9.01E-01	2.36E-04	3.00E-02	5.63E-03	9.37E-01	9.40E-01	2.41E+00	2.73E+00	1.93E-01	6.28E+00	9.39E-01	2.76E-04	3.00E-02	5.63E-03	9.75E-01
4841	481863.09	3861877.25	9.29E-01	2.49E-04	3.54E-02	5.73E-03	9.70E-01	9.69E-01	2.54E+00	3.23E+00	1.96E-01	6.94E+00	9.67E-01	2.91E-04	3.54E-02	5.73E-03	1.01E+00
4842	482363.09	3861877.25	9.32E-01	2.57E-04	3.63E-02	6.03E-03	9.75E-01	9.72E-01	2.63E+00	3.31E+00	2.06E-01	7.12E+00	9.70E-01	3.01E-04	3.63E-02	6.03E-03	1.01E+00
4843	482863.09	3861877.25	9.50E-01	2.65E-04	3.98E-02	6.85E-03	9.97E-01	9.91E-01	2.70E+00	3.63E+00	2.34E-01	7.56E+00	9.89E-01	3.09E-04	3.98E-02	6.85E-03	1.04E+00
4844	483363.09	3861877.25	9.55E-01	2.90E-04	4.76E-02	7.85E-03	1.01E+00	9.97E-01	2.96E+00	4.34E+00	2.68E-01	8.57E+00	9.95E-01	3.39E-04	4.76E-02	7.85E-03	1.05E+00
4845	483863.09	3861877.25	1.01E+00	3.07E-04	4.30E-02	7.78E-03	1.06E+00	1.05E+00	3.14E+00	3.92E+00	2.66E-01	8.37E+00	1.05E+00	3.59E-04	4.30E-02	7.78E-03	1.10E+00
4846	484363.09	3861877.25	1.16E+00	3.15E-04	3.87E-02	6.46E-03	1.21E+00	1.21E+00	3.22E+00	3.53E+00	2.21E-01	8.18E+00	1.21E+00	3.68E-04	3.87E-02	6.46E-03	1.25E+00
4847	484863.09	3861877.25	1.22E+00	3.39E-04	3.56E-02	6.45E-03	1.26E+00	1.27E+00	3.46E+00	3.25E+00	2.21E-01	8.19E+00	1.27E+00	3.96E-04	3.56E-02	6.45E-03	1.31E+00
4848	485363.09	3861877.25	1.26E+00	3.61E-04	2.05E-02	6.41E-03	1.29E+00	1.32E+00	3.69E+00	1.87E+00	2.19E-01	7.10E+00	1.31E+00	4.23E-04	2.05E-02	6.41E-03	1.34E+00
4849	485863.09	3861877.25	1.30E+00	4.66E-04	3.30E-02	7.12E-03	1.34E+00	1.35E+00	4.76E+00	3.01E+00	2.43E-01	9.36E+00	1.35E+00	5.45E-04	3.30E-02	7.12E-03	1.39E+00
4850	486363.09	3861877.25	1.30E+00	5.13E-04	1.67E-02	7.75E-03	1.33E+00	1.36E+00	5.24E+00	1.52E+00	2.65E-01	8.39E+00	1.36E+00	6.00E-04	1.67E-02	7.75E-03	1.38E+00
4851	486863.09	3861877.25	1.40E+00	5.98E-04	2.22E-02	5.98E-03	1.43E+00	1.46E+00	6.11E+00	2.02E+00	2.05E-01	9.80E+00	1.46E+00	7.00E-04	2.22E-02	5.98E-03	1.48E+00
4852	487363.09	3861877.25	1.45E+00	6.41E-04	3.46E-02	4.79E-03	1.49E+00	1.51E+00	6.55E+00	3.16E+00	1.64E-01	1.14E+01	1.51E+00	7.50E-04	3.46E-02	4.79E-03	1.55E+00
4853	487863.09	3861877.25	1.64E+00	6.90E-04	4.44E-02	6.44E-03	1.69E+00	1.71E+00	7.04E+00	4.05E+00	2.20E-01	1.30E+01	1.71E+00	8.07E-04	4.44E-02	6.44E-03	1.76E+00
4854	488363.09	3861877.25	1.78E+00	7.17E-04	2.98E-02	7.08E-03	1.82E+00	1.86E+00	7.32E+00	2.71E+00	2.42E-01	1.21E+01	1.86E+00	8.39E-04	2.98E-02	7.08E-03	1.89E+00
4855	488863.09	3861877.25	1.94E+00	9.59E-04	2.24E-02	1.09E-02	1.97E+00	2.02E+00	9.80E+00	2.04E+00	3.72E-01	1.42E+01	2.02E+00	1.12E-03	2.24E-02	1.09E-02	2.05E+00
4856	489363.09	3861877.25	2.46E+00	1.08E-03	1.78E-02	9.42E-03	2.48E+00	2.56E+00	1.11E+01	1.62E+00	3.22E-01	1.56E+01	2.56E+00	1.27E-03	1.78E-02	9.42E-03	2.59E+00
4857	489863.09	3861877.25	2.19E+00	1.16E-03	2.17E-02	1.29E-02	2.22E+00	2.28E+00	1.19E+01	1.98E+00	4.40E-01	1.66E+01	2.28E+00	1.36E-03	2.17E-02	1.29E-02	2.31E+00
4858	490363.09	3861877.25	2.27E+00	1.17E-03	2.38E-02	1.41E-02	2.31E+00	2.37E+00	1.20E+01	2.17E+00	4.83E-01	1.70E+01	2.37E+00	1.37E-03	2.38E-02	1.41E-02	2.41E+00
4859	490863.09	3861877.25	2.04E+00	1.08E-03	2.90E-02	1.31E-02	2.08E+00	2.12E+00	1.10E+01	2.65E+00	4.48E-01	1.63E+01	2.12E+00	1.26E-03	2.90E-02	1.31E-02	2.16E+00
4860	491363.09	3861877.25	2.11E+00	8.96E-04	3.47E-02	1.11E-02	2.16E+00	2.20E+00	9.15E+00	3.17E+00	3.80E-01	1.49E+01	2.20E+00	1.05E-03	3.47E-02	1.11E-02	2.24E+00
4861	491863.09	3861877.25	2.14E+00	7.83E-04	3.87E-02	9.71E-03	2.18E+00	2.23E+00	8.00E+00	3.53E+00	3.32E-01	1.41E+01	2.22E+00	9.16E-04	3.87E-02	9.71E-03	2.27E+00
4862	492363.09	3861877.25	1.82E+00	7.24E-04	4.06E-02	8.41E-03	1.87E+00	1.90E+00	7.39E+00	3.70E+00	2.88E-01	1.33E+01	1.89E+00	8.46E-04	4.06E-02	8.41E-03	1.94E+00
4863	492863.09	3861877.25	1.83E+00	6.82E-04	3.06E-02	8.24E-03	1.87E+00	1.90E+00	6.96E+00	2.79E+00	2.82E-01	1.19E+01	1.90E+00	7.98E-04	3.06E-02	8.24E-03	1.94E+00
4864	493363.09	3861877.25	1.67E+00	6.37E-04	2.55E-02	8.05E-03	1.70E+00	1.74E+00	6.51E+00	2.33E+00	2.75E-01	1.09E+01	1.74E+00	7.45E-04	2.55E-02	8.05E-03	1.77E+00
4865	493863.09	3861877.25	1.57E+00	5.78E-04	2.47E-02	7.75E-03	1.61E+00	1.64E+00	5.91E+00	2.25E+00	2.65E-01	1.01E+01	1.64E+00	6.76E-04	2.47E-02	7.75E-03	1.67E+00
4866	494363.09	3861877.25	1.52E+00	4.83E-04	2.58E-02	7.26E-03	1.55E+00	1.58E+00	4.94E+00	2.35E+00	2.48E-01	9.12E+00	1.58E+00	5.65E-04	2.58E-02	7.26E-03	1.61E+00
4867	494863.09	3861877.25	1.47E+00	4.23E-04	2.86E-02	6.80E-03	1.51E+00	1.54E+00	4.33E+00	2.61E+00	2.33E-01	8.71E+00	1.53E+00	4.95E-04	2.86E-02	6.80E-03	1.57E+00
4868	495363.09	3861877.25	1.43E+00	3.86E-04	2.35E-02	6.33E-03	1.46E+00	1.50E+00	3.94E+00	2.14E+00	2.17E-01	7.80E+00	1.49E+00	4.52E-04	2.35E-02	6.33E-03	1.52E+00
4869	495863.09	3861877.25	1.45E+00	3.53E-04	2.25E-02	6.00E-03	1.48E+00	1.52E+00	3.61E+00	2.05E+00	2.05E-01	7.38E+00	1.52E+00	4.13E-04	2.25E-02	6.00E-03	1.54E+00
4870	496363.09	3861877.25	1.39E+00	3.30E-04	2.52E-02	6.04E-03	1.42E+00	1.45E+00	3.38E+00	2.30E+00	2.07E-01	7.33E+00	1.44E+00	3.87E-04	2.52E-02	6.04E-03	1.48E+00
4871	496863.09	3861877.25	1.55E+00	3.22E-04	3.34E-02	6.76E-03	1.59E+00	1.62E+00	3.29E+00	3.04E+00	2.31E-01	8.18E+00	1.62E+00	3.76E-04	3.34E-02	6.76E-03	1.66E+00
4872	497363.09	3861877.25	1.38E+00	2.97E-04	3.00E-02	6.57E-03	1.42E+00	1.44E+00	3.04E+00	2.74E+00	2.25E-01	7.44E+00	1.44E+00	3.48E-04	3.00E-02	6.57E-03	1.48E+00
4873	497863.09	3861877.25	1.16E+00	2.84E-04	2.93E-02	6.37E-03	1.20E+00	1.21E+00	2.90E+00	2.67E+00	2.18E-01	7.00E+00	1.21E+00	3.32E-04	2.93E-02	6.37E-03	1.25E+00
4874	498363.09	3861877.25	1.11E+00	2.74E-04	2.65E-02	6.33E-03	1.14E+00	1.15E+00	2.80E+00	2.42E+00	2.16E-01	6.58E+00	1.15E+00	3.20E-04	2.65E-02	6.33E-03	1.18E+00
4875	471363.09	3862377.25	6.21E-01	1.37E-04	2.10E-02	4.15E-03	6.46E-01	6.48E-01	1.40E+00	1.91E+00	1.42E-01	4.11E+00	6.47E-01	1.61E-04	2.10E-02	4.15E-03	6.72E-01
4876	471863.09	3862377.25	6.24E-01	1.39E-04	2.17E-02	4.38E-03	6.50E-01	6.51E-01	1.42E+00	1.98E+00	1.50E-01	4.20E+00	6.50E-01	1.63E-04	2.17E-02	4.38E-03	6.76E-01

4877	472363.09	3862377.25	6.31E-01	1.43E-04	2.20E-02	4.27E-03	6.57E-01	6.58E-01	1.46E+00	2.00E+00	1.46E-01	4.27E+00	6.57E-01	1.68E-04	2.20E-02	4.27E-03	6.83E-01
4878	472863.09	3862377.25	6.49E-01	1.52E-04	2.17E-02	4.19E-03	6.75E-01	6.77E-01	1.55E+00	1.98E+00	1.43E-01	4.35E+00	6.76E-01	1.77E-04	2.17E-02	4.19E-03	7.02E-01
4879	473363.09	3862377.25	6.62E-01	1.59E-04	2.09E-02	4.17E-03	6.87E-01	6.90E-01	1.62E+00	1.90E+00	1.43E-01	4.36E+00	6.89E-01	1.86E-04	2.09E-02	4.17E-03	7.14E-01
4880	473863.09	3862377.25	6.66E-01	1.64E-04	2.06E-02	4.35E-03	6.91E-01	6.95E-01	1.68E+00	1.88E+00	1.49E-01	4.40E+00	6.93E-01	1.92E-04	2.06E-02	4.35E-03	7.19E-01
4881	474363.09	3862377.25	6.60E-01	1.69E-04	2.08E-02	4.59E-03	6.85E-01	6.88E-01	1.73E+00	1.90E+00	1.57E-01	4.47E+00	6.87E-01	1.98E-04	2.08E-02	4.59E-03	7.13E-01
4882	474863.09	3862377.25	6.55E-01	1.70E-04	2.23E-02	4.89E-03	6.83E-01	6.84E-01	1.74E+00	2.04E+00	1.67E-01	4.62E+00	6.82E-01	1.99E-04	2.23E-02	4.89E-03	7.10E-01
4883	475363.09	3862377.25	6.49E-01	1.76E-04	2.46E-02	4.82E-03	6.79E-01	6.77E-01	1.79E+00	2.25E+00	1.65E-01	4.88E+00	6.76E-01	2.05E-04	2.46E-02	4.82E-03	7.06E-01
4884	475863.09	3862377.25	6.36E-01	1.80E-04	2.65E-02	4.89E-03	6.67E-01	6.63E-01	1.84E+00	2.42E+00	1.67E-01	5.08E+00	6.62E-01	2.10E-04	2.65E-02	4.89E-03	6.93E-01
4885	476363.09	3862377.25	6.37E-01	1.80E-04	2.73E-02	5.22E-03	6.70E-01	6.65E-01	1.84E+00	2.49E+00	1.79E-01	5.17E+00	6.64E-01	2.10E-04	2.73E-02	5.22E-03	6.96E-01
4886	476863.09	3862377.25	6.49E-01	1.77E-04	2.67E-02	5.51E-03	6.82E-01	6.78E-01	1.81E+00	2.44E+00	1.88E-01	5.11E+00	6.76E-01	2.07E-04	2.67E-02	5.51E-03	7.09E-01
4887	477363.09	3862377.25	6.76E-01	1.65E-04	2.67E-02	5.72E-03	7.09E-01	7.06E-01	1.69E+00	2.43E+00	1.96E-01	5.03E+00	7.04E-01	1.94E-04	2.67E-02	5.72E-03	7.37E-01
4888	477863.09	3862377.25	6.87E-01	9.48E-05	5.73E-02	1.76E-02	7.62E-01	7.17E-01	9.68E-01	5.22E+00	6.03E-01	7.51E+00	7.16E-01	1.11E-04	5.73E-02	1.76E-02	7.91E-01
4889	478363.09	3862377.25	5.94E-01	8.34E-05	5.01E-02	1.37E-02	6.58E-01	6.20E-01	8.52E-01	4.57E+00	4.68E-01	6.51E+00	6.18E-01	9.76E-05	5.01E-02	1.37E-02	6.82E-01
4890	478863.09	3862377.25	6.22E-01	8.35E-05	3.52E-02	7.28E-03	6.64E-01	6.49E-01	8.53E-01	3.21E+00	2.49E-01	4.96E+00	6.47E-01	9.77E-05	3.52E-02	7.28E-03	6.90E-01
4891	479363.09	3862377.25	7.23E-01	8.41E-05	3.74E-02	6.92E-03	7.67E-01	7.54E-01	8.59E-01	3.41E+00	2.37E-01	5.26E+00	7.53E-01	9.84E-05	3.74E-02	6.92E-03	7.97E-01
4892	479863.09	3862377.25	8.37E-01	1.71E-04	2.88E-02	5.52E-03	8.72E-01	8.74E-01	1.74E+00	2.62E+00	1.89E-01	5.43E+00	8.72E-01	2.00E-04	2.88E-02	5.52E-03	9.07E-01
4893	480363.09	3862377.25	8.47E-01	2.10E-04	2.61E-02	5.55E-03	8.79E-01	8.84E-01	2.14E+00	2.38E+00	1.90E-01	5.60E+00	8.83E-01	2.45E-04	2.61E-02	5.55E-03	9.14E-01
4894	480863.09	3862377.25	8.41E-01	2.20E-04	3.11E-02	5.67E-03	8.78E-01	8.78E-01	2.25E+00	2.84E+00	1.94E-01	6.16E+00	8.76E-01	2.58E-04	3.11E-02	5.67E-03	9.13E-01
4895	481363.09	3862377.25	8.51E-01	2.24E-04	3.38E-02	5.47E-03	8.90E-01	8.88E-01	2.29E+00	3.08E+00	1.87E-01	6.45E+00	8.86E-01	2.62E-04	3.38E-02	5.47E-03	9.25E-01
4896	481863.09	3862377.25	8.68E-01	2.34E-04	3.22E-02	5.47E-03	9.06E-01	9.05E-01	2.39E+00	2.93E+00	1.87E-01	6.42E+00	9.04E-01	2.74E-04	3.22E-02	5.47E-03	9.41E-01
4897	482363.09	3862377.25	8.82E-01	2.47E-04	4.01E-02	5.89E-03	9.28E-01	9.20E-01	2.52E+00	3.65E+00	2.01E-01	7.30E+00	9.18E-01	2.89E-04	4.01E-02	5.89E-03	9.64E-01
4898	482863.09	3862377.25	8.85E-01	2.60E-04	4.45E-02	6.74E-03	9.37E-01	9.24E-01	2.65E+00	4.06E+00	2.30E-01	7.86E+00	9.22E-01	3.04E-04	4.45E-02	6.74E-03	9.73E-01
4899	483363.09	3862377.25	9.06E-01	2.75E-04	3.92E-02	7.10E-03	9.52E-01	9.45E-01	2.81E+00	3.57E+00	2.43E-01	7.57E+00	9.43E-01	3.21E-04	3.92E-02	7.10E-03	9.90E-01
4900	483863.09	3862377.25	9.85E-01	2.77E-04	3.48E-02	7.08E-03	1.03E+00	1.03E+00	2.83E+00	3.18E+00	2.42E-01	7.28E+00	1.03E+00	3.24E-04	3.48E-02	7.08E-03	1.07E+00
4901	484363.09	3862377.25	1.13E+00	2.99E-04	3.38E-02	6.21E-03	1.17E+00	1.18E+00	3.05E+00	3.08E+00	2.12E-01	7.53E+00	1.18E+00	3.50E-04	3.38E-02	6.21E-03	1.22E+00
4902	484863.09	3862377.25	1.14E+00	3.14E-04	2.14E-02	6.19E-03	1.17E+00	1.19E+00	3.21E+00	1.95E+00	2.12E-01	6.56E+00	1.18E+00	3.67E-04	2.14E-02	6.19E-03	1.21E+00
4903	485363.09	3862377.25	1.20E+00	3.99E-04	2.98E-02	6.96E-03	1.23E+00	1.25E+00	4.07E+00	2.72E+00	2.38E-01	8.28E+00	1.25E+00	4.67E-04	2.98E-02	6.96E-03	1.28E+00
4904	485863.09	3862377.25	1.25E+00	4.16E-04	2.91E-02	6.59E-03	1.28E+00	1.30E+00	4.25E+00	2.65E+00	2.25E-01	8.43E+00	1.30E+00	4.87E-04	2.91E-02	6.59E-03	1.34E+00
4905	486363.09	3862377.25	1.21E+00	4.73E-04	1.37E-02	5.46E-03	1.23E+00	1.27E+00	4.83E+00	1.25E+00	1.87E-01	7.54E+00	1.27E+00	5.54E-04	1.37E-02	5.46E-03	1.28E+00
4906	486863.09	3862377.25	1.31E+00	5.34E-04	2.33E-02	4.70E-03	1.34E+00	1.37E+00	5.46E+00	2.12E+00	1.61E-01	9.10E+00	1.36E+00	6.25E-04	2.33E-02	4.70E-03	1.39E+00
4907	487363.09	3862377.25	1.35E+00	5.58E-04	3.61E-02	5.26E-03	1.39E+00	1.40E+00	5.70E+00	3.29E+00	1.80E-01	1.06E+01	1.40E+00	6.53E-04	3.61E-02	5.26E-03	1.44E+00
4908	487863.09	3862377.25	1.46E+00	5.74E-04	4.17E-02	7.56E-03	1.51E+00	1.53E+00	5.87E+00	3.80E+00	2.59E-01	1.15E+01	1.52E+00	6.72E-04	4.17E-02	7.56E-03	1.57E+00
4909	488363.09	3862377.25	1.60E+00	5.75E-04	2.90E-02	7.44E-03	1.64E+00	1.67E+00	5.88E+00	2.64E+00	2.54E-01	1.04E+01	1.67E+00	6.73E-04	2.90E-02	7.44E-03	1.70E+00
4910	488863.09	3862377.25	1.69E+00	7.07E-04	2.12E-02	8.52E-03	1.72E+00	1.76E+00	7.22E+00	1.93E+00	2.91E-01	1.12E+01	1.76E+00	8.27E-04	2.12E-02	8.52E-03	1.79E+00
4911	489363.09	3862377.25	2.12E+00	8.79E-04	1.85E-02	7.77E-03	2.15E+00	2.22E+00	8.98E+00	1.69E+00	2.66E-01	1.32E+01	2.21E+00	1.03E-03	1.85E-02	7.77E-03	2.24E+00
4912	489863.09	3862377.25	2.21E+00	9.37E-04	1.82E-02	9.91E-03	2.24E+00	2.30E+00	9.57E+00	1.66E+00	3.39E-01	1.39E+01	2.30E+00	1.10E-03	1.82E-02	9.91E-03	2.33E+00
4913	490363.09	3862377.25	1.94E+00	1.01E-03	2.08E-02	1.27E-02	1.98E+00	2.03E+00	1.03E+01	1.89E+00	4.34E-01	1.47E+01	2.02E+00	1.18E-03	2.08E-02	1.27E-02	2.06E+00
4914	490863.09	3862377.25	2.09E+00	1.00E-03	2.45E-02	1.40E-02	2.13E+00	2.18E+00	1.02E+01	2.23E+00	4.78E-01	1.51E+01	2.18E+00	1.17E-03	2.45E-02	1.40E-02	2.22E+00
4915	491363.09	3862377.25	1.87E+00	9.69E-04	3.02E-02	1.30E-02	1.92E+00	1.95E+00	9.90E+00	2.75E+00	4.46E-01	1.50E+01	1.95E+00	1.13E-03	3.02E-02	1.30E-02	1.99E+00
4916	491863.09	3862377.25	1.89E+00	8.34E-04	3.22E-02	1.04E-02	1.94E+00	1.98E+00	8.52E+00	2.93E+00	3.55E-01	1.38E+01	1.97E+00	9.76E-04	3.22E-02	1.04E-02	2.02E+00
4917	492363.09	3862377.25	1.91E+00	7.20E-04	3.56E-02	9.30E-03	1.96E+00	1.99E+00	7.35E+00	3.25E+00	3.18E-01	1.29E+01	1.99E+00	8.42E-04	3.56E-02	9.30E-03	2.04E+00
4918	492863.09	3862377.25	1.64E+00	6.77E-04	3.92E-02	8.42E-03	1.69E+00	1.71E+00	6.92E+00	3.57E+00	2.88E-01	1.25E+01	1.71E+00	7.92E-04	3.92E-02	8.42E-03	1.76E+00
4919	493363.09	3862377.25	1.68E+00	6.29E-04	3.13E-02	7.78E-03	1.72E+00	1.75E+00	6.42E+00	2.86E+00	2.66E-01	1.13E+01	1.75E+00	7.36E-04	3.13E-02	7.78E-03	1.79E+00
4920	493863.09	3862377.25	1.51E+00	5.99E-04	2.27E-02	7.81E-03	1.54E+00	1.58E+00	6.12E+00	2.07E+00	2.67E-01	1.00E+01	1.57E+00	7.01E-04	2.27E-02	7.81E-03	1.60E+00
4921	494363.09	3862377.25	1.48E+00	5.65E-04	2.29E-02	7.85E-03	1.51E+00	1.54E+00	5.77E+00	2.08E+00	2.69E-01	9.67E+00	1.54E+00	6.61E-04	2.29E-02	7.85E-03	1.57E+00
4922	494863.09	3862377.25	1.39E+00	5.15E-04	2.21E-02	7.54E-03	1.42E+00	1.45E+00	5.26E+00	2.01E+00	2.58E-01	8.98E+00	1.45E+00	6.02E-04	2.21E-02	7.54E-03	1.48E+00
4923	495363.09	3862377.25	1.32E+00	4.33E-04	2.71E-02	7.19E-03	1.36E+00	1.38E+00	4.43E+00	2.47E+00	2.46E-01	8.52E+00	1.38E+00	5.07E-04	2.71E-02	7.19E-03	1.41E+00
4924	495863.09	3862377.25	1.27E+00	3.84E-04	2.74E-02	6.77E-03	1.30E+00	1.33E+00	3.93E+00	2.50E+00	2.31E-01	7.99E+00	1.32E+00	4.50E-04	2.74E-02	6.77E-03	1.36E+00
4925	496363.09	3862377.25	1.30E+00	3.53E-04	2.19E-02	6.27E-03	1.33E+00	1.36E+00	3.61E+00	2.00E+00	2.14E-01	7.18E+00	1.36E+00	4.13E-04	2.19E-02	6.27E-03	1.38E+00
4926	496863.09	3862377.25	1.29E+00	3.29E-04	2.01E-02	5.89E-03	1.32E+00	1.35E+00	3.36E+00	1.83E+00	2.01E-01	6.74E+00	1.35E+00	3.85E-04	2.01E-02	5.89E-03	1.37E+00
4927	497363.09	3862377.25	1.24E+00	3.04E-04	2.22E-02	5.68E-03	1.27E+00	1.29E+00	3.10E+00	2.03E+00	1.94E-01	6.62E+00	1.29E+00	3.55E-04	2.22E-02	5.68E-03	1.32E+00
4928	497863.09	3862377.25	1.26E+00	2.88E-04	2.45E-02	5.62E-03	1.29E+00	1.31E+00	2.94E+00	2.23E+00	1.92E-01	6.67E+00	1.31E+00	3.36E-04	2.45E-02	5.62E-03	1.34E+00
4929	498363.09	3862377.25	1.17E+00	2.68E-04	2.53E-02	5.55E-03	1.20E+00	1.22E+00	2.74E+00	2.31E+00	1.90E-01	6.46E+00	1.22E+00	3.14E-04	2.53E-02	5.55E-03	1.25E+00
4930	471363.09	3862877.25	5.91E-01	1.44E-04	1.98E-02	4.31E-03	6.15E-01	6.16E-01	1.47E+00	1.81E+00	1.47E-01	4.04E+00	6.15E-01	1.68E-04	1.98E-02	4.31E-03	6.39E-01
4931	471863.09	3862877.25	6.13E-01	1.51E-04	1.90E-02	4.25E-03	6.36E-01	6.39E-01	1.54E+00	1.73E+00	1.45E-01	4.06E+00	6.38E-01	1.77E-04	1.90E-02	4.25E-03	6.61E-01
4932	472363.09	3862877.25	6.24E-01	1.56E-04	1.92E-02	4.12E-03	6.48E-01	6.51E-01	1.60E+00	1.75E+00	1.41E-01	4.15E+00	6.50E-01	1.83E-04	1.92E-02	4.12E-03	6.74E-01
4933	472863.09	3862877.25	6.27E-01	1.61E-04	1.97E-02	4.26E-03	6.51E-01	6.54E-01	1.64E+00	1.79E+00	1.46E-01	4.23E+00	6.53E-01	1.88E-04	1.97E-02	4.26E-03	6.77E-01
4934	473363.09	3862877.25	6.17E-01	1.64E-04	2.11E-02	4.43E-03	6.42E-01	6.44E-01	1.68E+00	1.92E+00	1.52E-01	4.39E+00	6.42E-01	1.92E-04	2.11E-02	4.43E-03	6.68E-01
4935	473863.09	3862877.25	6.12E-01	1.67E-04	2.32E-02	4.57E-03	6.40E-01	6.38E-01	1.71E+00	2.11E+00	1.56E-01	4.61E+00	6.37E-01	1.95E-04	2.32E-02	4.57E-03	6.65E-01
4936	474363.09	3862877.25	6.08E-01	1.67E-04	2.48E-02	4.63E-03	6.38E-01	6.34E-01	1.71E+00	2.26E+00	1.58E-01	4.76E+00	6.33E-01	1.96E-04	2.48E-02	4.63E-03	6.63E-01
4937	474863.09	3862877.25	5.98E-01	1.68E-04	2.54E-02	4.62E-03	6.28E-01	6.24E-01	1.72E+00	2.32E+00	1.58E-01	4.82E+00	6.22E-01	1.97E-04	2.54E-02	4.62E-03	6.53E-01

4938	475363.09	3862877.25	5.96E-01	1.71E-04	2.52E-02	4.78E-03	6.26E-01	6.21E-01	1.75E+00	2.29E+00	1.64E-01	4.83E+00	6.20E-01	2.00E-04	2.52E-02	4.78E-03	6.50E-01
4939	475863.09	3862877.25	6.10E-01	1.73E-04	2.37E-02	5.07E-03	6.39E-01	6.36E-01	1.77E+00	2.17E+00	1.73E-01	4.75E+00	6.35E-01	2.03E-04	2.37E-02	5.07E-03	6.64E-01
4940	476363.09	3862877.25	6.19E-01	1.73E-04	2.15E-02	5.18E-03	6.45E-01	6.46E-01	1.77E+00	1.96E+00	1.77E-01	4.55E+00	6.44E-01	2.02E-04	2.15E-02	5.18E-03	6.71E-01
4941	476863.09	3862877.25	6.37E-01	1.72E-04	2.16E-02	5.14E-03	6.64E-01	6.64E-01	1.76E+00	1.97E+00	1.76E-01	4.57E+00	6.63E-01	2.01E-04	2.16E-02	5.14E-03	6.90E-01
4942	477363.09	3862877.25	6.66E-01	1.66E-04	2.39E-02	5.18E-03	6.96E-01	6.95E-01	1.70E+00	2.18E+00	1.77E-01	4.76E+00	6.94E-01	1.95E-04	2.39E-02	5.18E-03	7.23E-01
4943	477863.09	3862877.25	7.26E-01	1.41E-04	2.73E-02	6.36E-03	7.60E-01	7.58E-01	1.44E+00	2.49E+00	2.17E-01	4.91E+00	7.56E-01	1.65E-04	2.73E-02	6.36E-03	7.90E-01
4944	478363.09	3862877.25	6.85E-01	8.64E-05	3.22E-02	7.83E-03	7.25E-01	7.14E-01	8.82E-01	2.94E+00	2.68E-01	4.80E+00	7.13E-01	1.01E-04	3.22E-02	7.83E-03	7.53E-01
4945	478863.09	3862877.25	7.09E-01	8.97E-05	3.39E-02	7.32E-03	7.51E-01	7.40E-01	9.16E-01	3.09E+00	2.50E-01	5.00E+00	7.39E-01	1.05E-04	3.39E-02	7.32E-03	7.80E-01
4946	479363.09	3862877.25	7.38E-01	9.24E-05	3.13E-02	7.24E-03	7.76E-01	7.70E-01	9.44E-01	2.86E+00	2.48E-01	4.82E+00	7.68E-01	1.08E-04	3.13E-02	7.24E-03	8.07E-01
4947	479863.09	3862877.25	7.97E-01	1.88E-04	2.70E-02	5.59E-03	8.30E-01	8.31E-01	1.92E+00	2.46E+00	1.91E-01	5.40E+00	8.30E-01	2.20E-04	2.70E-02	5.59E-03	8.63E-01
4948	480363.09	3862877.25	7.89E-01	2.01E-04	3.06E-02	5.97E-03	8.26E-01	8.23E-01	2.06E+00	2.79E+00	2.04E-01	5.88E+00	8.21E-01	2.36E-04	3.06E-02	5.97E-03	8.58E-01
4949	480863.09	3862877.25	7.94E-01	2.10E-04	3.10E-02	5.67E-03	8.31E-01	8.28E-01	2.14E+00	2.83E+00	1.94E-01	5.99E+00	8.27E-01	2.45E-04	3.10E-02	5.67E-03	8.64E-01
4950	481363.09	3862877.25	8.11E-01	2.20E-04	3.15E-02	5.12E-03	8.48E-01	8.46E-01	2.25E+00	2.87E+00	1.75E-01	6.14E+00	8.44E-01	2.57E-04	3.15E-02	5.12E-03	8.81E-01
4951	481863.09	3862877.25	8.19E-01	2.21E-04	3.95E-02	5.10E-03	8.64E-01	8.55E-01	2.25E+00	3.60E+00	1.74E-01	6.89E+00	8.53E-01	2.58E-04	3.95E-02	5.10E-03	8.98E-01
4952	482363.09	3862877.25	8.29E-01	2.33E-04	4.02E-02	5.38E-03	8.74E-01	8.65E-01	2.38E+00	3.67E+00	1.84E-01	7.10E+00	8.63E-01	2.73E-04	4.02E-02	5.38E-03	9.09E-01
4953	482863.09	3862877.25	8.45E-01	2.57E-04	3.53E-02	6.11E-03	8.86E-01	8.81E-01	2.62E+00	3.22E+00	2.09E-01	6.93E+00	8.80E-01	3.00E-04	3.53E-02	6.11E-03	9.21E-01
4954	483363.09	3862877.25	8.49E-01	2.60E-04	3.18E-02	7.14E-03	8.88E-01	8.86E-01	2.66E+00	2.90E+00	2.44E-01	6.69E+00	8.84E-01	3.04E-04	3.18E-02	7.14E-03	9.23E-01
4955	483863.09	3862877.25	9.76E-01	2.61E-04	3.12E-02	6.85E-03	1.01E+00	1.02E+00	2.67E+00	2.85E+00	2.34E-01	6.77E+00	1.02E+00	3.06E-04	3.12E-02	6.85E-03	1.06E+00
4956	484363.09	3862877.25	1.08E+00	2.80E-04	2.23E-02	6.54E-03	1.11E+00	1.13E+00	2.86E+00	2.03E+00	2.24E-01	6.25E+00	1.13E+00	3.28E-04	2.23E-02	6.54E-03	1.16E+00
4957	484863.09	3862877.25	1.09E+00	3.48E-04	2.33E-02	6.63E-03	1.12E+00	1.14E+00	3.56E+00	2.12E+00	2.27E-01	7.05E+00	1.14E+00	4.08E-04	2.33E-02	6.63E-03	1.17E+00
4958	485363.09	3862877.25	1.15E+00	3.57E-04	3.73E-02	6.25E-03	1.20E+00	1.20E+00	3.65E+00	3.40E+00	2.14E-01	8.47E+00	1.20E+00	4.18E-04	3.73E-02	6.25E-03	1.25E+00
4959	485863.09	3862877.25	1.18E+00	3.99E-04	2.05E-02	5.93E-03	1.21E+00	1.24E+00	4.08E+00	1.87E+00	2.03E-01	7.38E+00	1.23E+00	4.67E-04	2.05E-02	5.93E-03	1.26E+00
4960	486363.09	3862877.25	1.14E+00	4.33E-04	1.70E-02	4.31E-03	1.16E+00	1.19E+00	4.42E+00	1.55E+00	1.47E-01	7.30E+00	1.19E+00	5.06E-04	1.70E-02	4.31E-03	1.21E+00
4961	486863.09	3862877.25	1.23E+00	4.53E-04	2.28E-02	4.87E-03	1.26E+00	1.28E+00	4.62E+00	2.08E+00	1.67E-01	8.16E+00	1.28E+00	5.29E-04	2.28E-02	4.87E-03	1.31E+00
4962	487363.09	3862877.25	1.25E+00	4.90E-04	3.64E-02	5.73E-03	1.29E+00	1.30E+00	5.01E+00	3.32E+00	1.96E-01	9.82E+00	1.30E+00	5.73E-04	3.64E-02	5.73E-03	1.34E+00
4963	487863.09	3862877.25	1.35E+00	5.04E-04	3.87E-02	8.25E-03	1.39E+00	1.40E+00	5.15E+00	3.53E+00	2.82E-01	1.04E+01	1.40E+00	5.89E-04	3.87E-02	8.25E-03	1.45E+00
4964	488363.09	3862877.25	1.49E+00	4.95E-04	2.94E-02	7.41E-03	1.53E+00	1.56E+00	5.06E+00	2.68E+00	2.54E-01	9.55E+00	1.56E+00	5.79E-04	2.94E-02	7.41E-03	1.59E+00
4965	488863.09	3862877.25	1.58E+00	5.32E-04	2.01E-02	6.43E-03	1.61E+00	1.65E+00	5.44E+00	1.83E+00	2.20E-01	9.14E+00	1.64E+00	6.23E-04	2.01E-02	6.43E-03	1.67E+00
4966	489363.09	3862877.25	1.61E+00	7.10E-04	2.05E-02	6.23E-03	1.64E+00	1.68E+00	7.25E+00	1.87E+00	2.13E-01	1.10E+01	1.68E+00	8.30E-04	2.05E-02	6.23E-03	1.71E+00
4967	489863.09	3862877.25	2.12E+00	7.89E-04	1.49E-02	8.32E-03	2.15E+00	2.21E+00	8.06E+00	1.36E+00	2.84E-01	1.19E+01	2.21E+00	9.23E-04	1.49E-02	8.32E-03	2.23E+00
4968	490363.09	3862877.25	1.85E+00	8.00E-04	1.80E-02	1.02E-02	1.88E+00	1.93E+00	8.18E+00	1.64E+00	3.48E-01	1.21E+01	1.93E+00	9.36E-04	1.80E-02	1.02E-02	1.96E+00
4969	490863.09	3862877.25	1.79E+00	8.88E-04	1.93E-02	1.25E-02	1.82E+00	1.87E+00	9.08E+00	1.76E+00	4.28E-01	1.31E+01	1.86E+00	1.04E-03	1.93E-02	1.25E-02	1.90E+00
4970	491363.09	3862877.25	1.90E+00	8.82E-04	2.43E-02	1.39E-02	1.94E+00	1.99E+00	9.01E+00	2.22E+00	4.74E-01	1.37E+01	1.98E+00	1.03E-03	2.43E-02	1.39E-02	2.02E+00
4971	491863.09	3862877.25	1.72E+00	8.61E-04	2.95E-02	1.30E-02	1.76E+00	1.79E+00	8.79E+00	2.69E+00	4.45E-01	1.37E+01	1.79E+00	1.01E-03	2.95E-02	1.30E-02	1.83E+00
4972	492363.09	3862877.25	1.73E+00	7.61E-04	3.09E-02	1.00E-02	1.77E+00	1.80E+00	7.78E+00	2.82E+00	3.42E-01	1.27E+01	1.80E+00	8.90E-04	3.09E-02	1.00E-02	1.84E+00
4973	492863.09	3862877.25	1.73E+00	6.81E-04	3.30E-02	8.82E-03	1.78E+00	1.81E+00	6.96E+00	3.01E+00	3.02E-01	1.21E+01	1.81E+00	7.97E-04	3.30E-02	8.82E-03	1.85E+00
4974	493363.09	3862877.25	1.51E+00	6.25E-04	3.75E-02	8.40E-03	1.56E+00	1.57E+00	6.39E+00	3.42E+00	2.87E-01	1.17E+01	1.57E+00	7.32E-04	3.75E-02	8.40E-03	1.62E+00
4975	493863.09	3862877.25	1.55E+00	6.02E-04	3.27E-02	7.77E-03	1.60E+00	1.62E+00	6.15E+00	2.98E+00	2.66E-01	1.10E+01	1.62E+00	7.05E-04	3.27E-02	7.77E-03	1.66E+00
4976	494363.09	3862877.25	1.39E+00	5.65E-04	2.22E-02	7.62E-03	1.42E+00	1.45E+00	5.77E+00	2.03E+00	2.61E-01	9.51E+00	1.45E+00	6.61E-04	2.22E-02	7.62E-03	1.48E+00
4977	494863.09	3862877.25	1.37E+00	5.28E-04	2.07E-02	7.75E-03	1.40E+00	1.43E+00	5.39E+00	1.89E+00	2.65E-01	8.97E+00	1.43E+00	6.17E-04	2.07E-02	7.75E-03	1.46E+00
4978	495363.09	3862877.25	1.25E+00	5.05E-04	2.08E-02	7.60E-03	1.28E+00	1.31E+00	5.16E+00	1.90E+00	2.60E-01	8.62E+00	1.31E+00	5.90E-04	2.08E-02	7.60E-03	1.33E+00
4979	495863.09	3862877.25	1.24E+00	4.61E-04	2.24E-02	7.21E-03	1.27E+00	1.29E+00	4.71E+00	2.04E+00	2.47E-01	8.29E+00	1.29E+00	5.39E-04	2.24E-02	7.21E-03	1.32E+00
4980	496363.09	3862877.25	1.19E+00	3.95E-04	2.76E-02	7.01E-03	1.23E+00	1.25E+00	4.04E+00	2.51E+00	2.40E-01	8.04E+00	1.24E+00	4.62E-04	2.76E-02	7.01E-03	1.28E+00
4981	496863.09	3862877.25	1.15E+00	3.55E-04	2.60E-02	6.70E-03	1.18E+00	1.20E+00	3.63E+00	2.37E+00	2.29E-01	7.43E+00	1.20E+00	4.16E-04	2.60E-02	6.70E-03	1.23E+00
4982	497363.09	3862877.25	1.19E+00	3.27E-04	2.05E-02	6.25E-03	1.21E+00	1.24E+00	3.34E+00	1.87E+00	2.14E-01	6.67E+00	1.23E+00	3.83E-04	2.05E-02	6.25E-03	1.26E+00
4983	497863.09	3862877.25	1.13E+00	3.01E-04	1.79E-02	5.80E-03	1.16E+00	1.18E+00	3.07E+00	1.63E+00	1.98E-01	6.08E+00	1.18E+00	3.52E-04	1.79E-02	5.80E-03	1.20E+00
4984	498363.09	3862877.25	1.12E+00	2.85E-04	1.99E-02	5.49E-03	1.15E+00	1.17E+00	2.91E+00	1.81E+00	1.88E-01	6.08E+00	1.17E+00	3.33E-04	1.99E-02	5.49E-03	1.19E+00
4985	471363.09	3863377.25	5.91E-01	1.52E-04	1.85E-02	4.10E-03	6.14E-01	6.17E-01	1.55E+00	1.68E+00	1.40E-01	3.99E+00	6.16E-01	1.77E-04	1.85E-02	4.10E-03	6.38E-01
4986	471863.09	3863377.25	5.92E-01	1.54E-04	1.99E-02	4.11E-03	6.16E-01	6.17E-01	1.58E+00	1.82E+00	1.40E-01	4.15E+00	6.16E-01	1.81E-04	1.99E-02	4.11E-03	6.40E-01
4987	472363.09	3863377.25	5.83E-01	1.56E-04	2.19E-02	4.28E-03	6.09E-01	6.08E-01	1.60E+00	2.00E+00	1.46E-01	4.35E+00	6.07E-01	1.83E-04	2.19E-02	4.28E-03	6.33E-01
4988	472863.09	3863377.25	5.73E-01	1.58E-04	2.36E-02	4.43E-03	6.01E-01	5.98E-01	1.62E+00	2.15E+00	1.51E-01	4.52E+00	5.96E-01	1.85E-04	2.36E-02	4.43E-03	6.25E-01
4989	473363.09	3863377.25	5.70E-01	1.60E-04	2.42E-02	4.53E-03	5.99E-01	5.95E-01	1.63E+00	2.21E+00	1.55E-01	4.59E+00	5.94E-01	1.87E-04	2.42E-02	4.53E-03	6.23E-01
4990	473863.09	3863377.25	5.57E-01	1.61E-04	2.40E-02	4.56E-03	5.86E-01	5.81E-01	1.64E+00	2.19E+00	1.56E-01	4.57E+00	5.80E-01	1.88E-04	2.40E-02	4.56E-03	6.09E-01
4991	474363.09	3863377.25	5.65E-01	1.62E-04	2.30E-02	4.65E-03	5.93E-01	5.90E-01	1.65E+00	2.10E+00	1.59E-01	4.50E+00	5.88E-01	1.89E-04	2.30E-02	4.65E-03	6.16E-01
4992	474863.09	3863377.25	5.74E-01	1.63E-04	2.16E-02	4.84E-03	6.00E-01	5.99E-01	1.66E+00	1.97E+00	1.66E-01	4.40E+00	5.97E-01	1.90E-04	2.16E-02	4.84E-03	6.24E-01
4993	475363.09	3863377.25	5.85E-01	1.65E-04	1.96E-02	5.05E-03	6.10E-01	6.10E-01	1.69E+00	1.79E+00	1.73E-01	4.26E+00	6.09E-01	1.93E-04	1.96E-02	5.05E-03	6.34E-01
4994	475863.09	3863377.25	5.92E-01	1.67E-04	2.09E-02	5.03E-03	6.19E-01	6.18E-01	1.70E+00	1.91E+00	1.72E-01	4.40E+00	6.17E-01	1.95E-04	2.09E-02	5.03E-03	6.43E-01
4995	476363.09	3863377.25	6.05E-01	1.68E-04	2.33E-02	4.69E-03	6.33E-01	6.31E-01	1.71E+00	2.12E+00	1.60E-01	4.63E+00	6.30E-01	1.96E-04	2.33E-02	4.69E-03	6.58E-01
4996	476863.09	3863377.25	6.29E-01	1.71E-04	2.53E-02	4.49E-03	6.59E-01	6.56E-01	1.75E+00	2.31E+00	1.54E-01	4.86E+00	6.55E-01	2.00E-04	2.53E-02	4.49E-03	6.85E-01
4997	477363.09	3863377.25	6.67E-01	1.73E-04	2.57E-02	4.56E-03	6.97E-01	6.96E-01	1.77E+00	2.34E+00	1.56E-01	4.96E+00	6.94E-01	2.03E-04	2.57E-02	4.56E-03	7.25E-01
4998	477863.09	3863377.25	7.16E-01	1.63E-04	2.50E-02	4.96E-03	7.46E-01	7.47E-01	1.67E+00	2.28E+00	1.70E-01	4.86E+00	7.46E-01	1.91E-04	2.50E-02	4.96E-03	7.76E-01

4999	478363.09	3863377.25	7.31E-01	1.27E-04	2.57E-02	7.17E-03	7.64E-01	7.62E-01	1.29E+00	2.34E+00	2.45E-01	4.64E+00	7.61E-01	1.48E-04	2.57E-02	7.17E-03	7.94E-01
5000	478863.09	3863377.25	7.53E-01	1.30E-04	2.57E-02	7.04E-03	7.86E-01	7.85E-01	1.33E+00	2.34E+00	2.41E-01	4.70E+00	7.84E-01	1.52E-04	2.57E-02	7.04E-03	8.17E-01
5001	479363.09	3863377.25	7.55E-01	1.64E-04	2.71E-02	5.22E-03	7.87E-01	7.87E-01	1.67E+00	2.47E+00	1.79E-01	5.11E+00	7.86E-01	1.92E-04	2.71E-02	5.22E-03	8.18E-01
5002	479863.09	3863377.25	7.42E-01	1.91E-04	2.91E-02	5.92E-03	7.78E-01	7.75E-01	1.95E+00	2.65E+00	2.02E-01	5.59E+00	7.73E-01	2.24E-04	2.91E-02	5.92E-03	8.08E-01
5003	480363.09	3863377.25	7.47E-01	1.98E-04	2.74E-02	5.94E-03	7.81E-01	7.80E-01	2.03E+00	2.50E+00	2.03E-01	5.51E+00	7.78E-01	2.32E-04	2.74E-02	5.94E-03	8.12E-01
5004	480863.09	3863377.25	7.52E-01	2.01E-04	3.22E-02	5.26E-03	7.90E-01	7.85E-01	2.05E+00	2.93E+00	1.80E-01	5.95E+00	7.83E-01	2.35E-04	3.22E-02	5.26E-03	8.21E-01
5005	481363.09	3863377.25	7.64E-01	2.02E-04	3.66E-02	5.06E-03	8.06E-01	7.97E-01	2.06E+00	3.34E+00	1.73E-01	6.37E+00	7.95E-01	2.36E-04	3.66E-02	5.06E-03	8.37E-01
5006	481863.09	3863377.25	7.77E-01	2.07E-04	3.66E-02	4.87E-03	8.18E-01	8.10E-01	2.12E+00	3.34E+00	1.67E-01	6.43E+00	8.09E-01	2.42E-04	3.66E-02	4.87E-03	8.50E-01
5007	482363.09	3863377.25	7.92E-01	2.26E-04	3.18E-02	5.40E-03	8.29E-01	8.26E-01	2.31E+00	2.90E+00	1.85E-01	6.22E+00	8.25E-01	2.65E-04	3.18E-02	5.40E-03	8.62E-01
5008	482863.09	3863377.25	7.97E-01	2.42E-04	2.84E-02	6.27E-03	8.32E-01	8.32E-01	2.48E+00	2.59E+00	2.15E-01	6.12E+00	8.30E-01	2.84E-04	2.84E-02	6.27E-03	8.65E-01
5009	483363.09	3863377.25	8.09E-01	2.56E-04	2.88E-02	6.95E-03	8.45E-01	8.44E-01	2.61E+00	2.63E+00	2.38E-01	6.32E+00	8.43E-01	2.99E-04	2.88E-02	6.95E-03	8.79E-01
5010	483863.09	3863377.25	9.58E-01	2.54E-04	2.22E-02	7.09E-03	9.88E-01	1.00E+00	2.59E+00	2.03E+00	2.42E-01	5.86E+00	9.98E-01	2.97E-04	2.22E-02	7.09E-03	1.03E+00
5011	484363.09	3863377.25	1.03E+00	3.09E-04	1.81E-02	6.50E-03	1.05E+00	1.07E+00	3.16E+00	1.65E+00	2.22E-01	6.10E+00	1.07E+00	3.62E-04	1.81E-02	6.50E-03	1.10E+00
5012	484863.09	3863377.25	1.06E+00	3.14E-04	3.70E-02	5.85E-03	1.10E+00	1.10E+00	3.20E+00	3.38E+00	2.00E-01	7.88E+00	1.10E+00	3.67E-04	3.70E-02	5.85E-03	1.14E+00
5013	485363.09	3863377.25	1.11E+00	3.32E-04	3.02E-02	5.86E-03	1.14E+00	1.16E+00	3.39E+00	2.76E+00	2.00E-01	7.51E+00	1.15E+00	3.89E-04	3.02E-02	5.86E-03	1.19E+00
5014	485863.09	3863377.25	1.12E+00	3.63E-04	1.49E-02	4.62E-03	1.14E+00	1.17E+00	3.70E+00	1.36E+00	1.58E-01	6.39E+00	1.17E+00	4.24E-04	1.49E-02	4.62E-03	1.19E+00
5015	486363.09	3863377.25	1.06E+00	3.95E-04	1.93E-02	4.50E-03	1.08E+00	1.11E+00	4.03E+00	1.76E+00	1.54E-01	7.05E+00	1.10E+00	4.62E-04	1.93E-02	4.50E-03	1.13E+00
5016	486863.09	3863377.25	1.17E+00	3.74E-04	2.26E-02	4.84E-03	1.20E+00	1.22E+00	3.82E+00	2.06E+00	1.65E-01	7.27E+00	1.22E+00	4.37E-04	2.26E-02	4.84E-03	1.25E+00
5017	487363.09	3863377.25	1.16E+00	4.46E-04	3.70E-02	5.85E-03	1.20E+00	1.21E+00	4.56E+00	3.37E+00	2.00E-01	9.34E+00	1.21E+00	5.22E-04	3.70E-02	5.85E-03	1.25E+00
5018	487863.09	3863377.25	1.25E+00	4.51E-04	3.60E-02	8.37E-03	1.29E+00	1.30E+00	4.60E+00	3.28E+00	2.86E-01	9.47E+00	1.30E+00	5.27E-04	3.60E-02	8.37E-03	1.34E+00
5019	488363.09	3863377.25	1.34E+00	4.40E-04	2.89E-02	7.09E-03	1.38E+00	1.40E+00	4.49E+00	2.63E+00	2.42E-01	8.77E+00	1.40E+00	5.14E-04	2.89E-02	7.09E-03	1.44E+00
5020	488863.09	3863377.25	1.40E+00	4.47E-04	1.93E-02	5.98E-03	1.43E+00	1.46E+00	4.57E+00	1.76E+00	2.04E-01	7.99E+00	1.46E+00	5.23E-04	1.93E-02	5.98E-03	1.48E+00
5021	489363.09	3863377.25	1.46E+00	5.47E-04	2.11E-02	5.27E-03	1.48E+00	1.52E+00	5.59E+00	1.92E+00	1.80E-01	9.21E+00	1.52E+00	6.40E-04	2.11E-02	5.27E-03	1.54E+00
5022	489863.09	3863377.25	1.73E+00	6.64E-04	1.40E-02	6.83E-03	1.75E+00	1.80E+00	6.79E+00	1.28E+00	2.34E-01	1.01E+01	1.80E+00	7.77E-04	1.40E-02	6.83E-03	1.82E+00
5023	490363.09	3863377.25	1.92E+00	7.27E-04	1.54E-02	8.35E-03	1.94E+00	2.00E+00	7.43E+00	1.40E+00	2.85E-01	1.11E+01	2.00E+00	8.51E-04	1.54E-02	8.35E-03	2.02E+00
5024	490863.09	3863377.25	1.68E+00	6.91E-04	1.73E-02	1.04E-02	1.70E+00	1.75E+00	7.06E+00	1.58E+00	3.55E-01	1.07E+01	1.75E+00	8.09E-04	1.73E-02	1.04E-02	1.77E+00
5025	491363.09	3863377.25	1.66E+00	7.91E-04	1.95E-02	1.20E-02	1.70E+00	1.74E+00	8.08E+00	1.78E+00	4.11E-01	1.20E+01	1.73E+00	9.25E-04	1.95E-02	1.20E-02	1.77E+00
5026	491863.09	3863377.25	1.68E+00	7.82E-04	2.30E-02	1.29E-02	1.72E+00	1.75E+00	7.99E+00	2.10E+00	4.43E-01	1.23E+01	1.75E+00	9.15E-04	2.30E-02	1.29E-02	1.79E+00
5027	492363.09	3863377.25	1.61E+00	7.66E-04	2.97E-02	1.34E-02	1.65E+00	1.68E+00	7.83E+00	2.71E+00	4.60E-01	1.27E+01	1.67E+00	8.96E-04	2.97E-02	1.34E-02	1.72E+00
5028	492863.09	3863377.25	1.64E+00	7.16E-04	3.17E-02	1.07E-02	1.68E+00	1.71E+00	7.31E+00	2.90E+00	3.67E-01	1.23E+01	1.71E+00	8.37E-04	3.17E-02	1.07E-02	1.75E+00
5029	493363.09	3863377.25	1.68E+00	7.07E-04	3.52E-02	8.95E-03	1.73E+00	1.75E+00	7.23E+00	3.21E+00	3.06E-01	1.25E+01	1.75E+00	8.27E-04	3.52E-02	8.95E-03	1.80E+00
5030	493863.09	3863377.25	1.48E+00	6.27E-04	4.12E-02	8.72E-03	1.53E+00	1.55E+00	6.40E+00	3.76E+00	2.98E-01	1.20E+01	1.54E+00	7.33E-04	4.12E-02	8.72E-03	1.59E+00
5031	494363.09	3863377.25	1.47E+00	5.67E-04	3.54E-02	8.45E-03	1.51E+00	1.53E+00	5.79E+00	3.22E+00	2.89E-01	1.08E+01	1.53E+00	6.63E-04	3.54E-02	8.45E-03	1.57E+00
5032	494863.09	3863377.25	1.36E+00	5.39E-04	2.37E-02	8.74E-03	1.39E+00	1.42E+00	5.50E+00	2.16E+00	2.99E-01	9.38E+00	1.42E+00	6.30E-04	2.37E-02	8.74E-03	1.45E+00
5033	495363.09	3863377.25	1.31E+00	5.35E-04	2.14E-02	9.09E-03	1.34E+00	1.36E+00	5.47E+00	1.95E+00	3.11E-01	9.10E+00	1.36E+00	6.26E-04	2.14E-02	9.09E-03	1.39E+00
5034	495863.09	3863377.25	1.27E+00	5.15E-04	2.24E-02	9.03E-03	1.30E+00	1.33E+00	5.26E+00	2.04E+00	3.09E-01	8.93E+00	1.33E+00	6.02E-04	2.24E-02	9.03E-03	1.36E+00
5035	496363.09	3863377.25	1.17E+00	4.65E-04	2.00E-02	7.54E-03	1.20E+00	1.22E+00	4.75E+00	1.82E+00	2.58E-01	8.06E+00	1.22E+00	5.44E-04	2.00E-02	7.54E-03	1.25E+00
5036	496863.09	3863377.25	1.10E+00	4.17E-04	2.43E-02	6.85E-03	1.13E+00	1.15E+00	4.26E+00	2.21E+00	2.34E-01	7.86E+00	1.15E+00	4.88E-04	2.43E-02	6.85E-03	1.18E+00
5037	497363.09	3863377.25	1.06E+00	3.60E-04	2.72E-02	6.67E-03	1.10E+00	1.11E+00	3.68E+00	2.48E+00	2.28E-01	7.50E+00	1.11E+00	4.22E-04	2.72E-02	6.67E-03	1.14E+00
5038	497863.09	3863377.25	1.04E+00	3.29E-04	2.44E-02	6.51E-03	1.07E+00	1.09E+00	3.36E+00	2.23E+00	2.23E-01	6.90E+00	1.08E+00	3.85E-04	2.44E-02	6.51E-03	1.12E+00
5039	498363.09	3863377.25	1.07E+00	3.06E-04	1.91E-02	6.17E-03	1.10E+00	1.12E+00	3.13E+00	1.74E+00	2.11E-01	6.20E+00	1.12E+00	3.58E-04	1.91E-02	6.17E-03	1.14E+00
5040	471363.09	3863877.25	5.51E-01	1.49E-04	2.24E-02	4.19E-03	5.78E-01	5.75E-01	1.52E+00	2.04E+00	1.43E-01	4.28E+00	5.74E-01	1.74E-04	2.24E-02	4.19E-03	6.01E-01
5041	471863.09	3863877.25	5.44E-01	1.48E-04	2.31E-02	4.35E-03	5.71E-01	5.67E-01	1.52E+00	2.11E+00	1.49E-01	4.34E+00	5.66E-01	1.74E-04	2.31E-02	4.35E-03	5.94E-01
5042	472363.09	3863877.25	5.37E-01	1.50E-04	2.30E-02	4.46E-03	5.65E-01	5.60E-01	1.54E+00	2.10E+00	1.53E-01	4.34E+00	5.59E-01	1.76E-04	2.30E-02	4.46E-03	5.87E-01
5043	472863.09	3863877.25	5.25E-01	1.50E-04	2.22E-02	4.50E-03	5.52E-01	5.48E-01	1.54E+00	2.02E+00	1.54E-01	4.26E+00	5.47E-01	1.76E-04	2.22E-02	4.50E-03	5.74E-01
5044	473363.09	3863877.25	5.31E-01	1.52E-04	2.12E-02	4.56E-03	5.57E-01	5.54E-01	1.55E+00	1.93E+00	1.56E-01	4.19E+00	5.53E-01	1.78E-04	2.12E-02	4.56E-03	5.79E-01
5045	473863.09	3863877.25	5.46E-01	1.53E-04	1.92E-02	4.53E-03	5.70E-01	5.70E-01	1.57E+00	1.75E+00	1.55E-01	4.05E+00	5.69E-01	1.79E-04	1.92E-02	4.53E-03	5.93E-01
5046	474363.09	3863877.25	5.56E-01	1.57E-04	1.83E-02	4.69E-03	5.80E-01	5.81E-01	1.60E+00	1.67E+00	1.61E-01	4.01E+00	5.80E-01	1.83E-04	1.83E-02	4.69E-03	6.03E-01
5047	474863.09	3863877.25	5.61E-01	1.59E-04	2.06E-02	4.81E-03	5.87E-01	5.86E-01	1.62E+00	1.88E+00	1.65E-01	4.26E+00	5.84E-01	1.86E-04	2.06E-02	4.81E-03	6.10E-01
5048	475363.09	3863877.25	5.65E-01	1.59E-04	2.25E-02	4.76E-03	5.93E-01	5.90E-01	1.62E+00	2.05E+00	1.63E-01	4.42E+00	5.89E-01	1.86E-04	2.25E-02	4.76E-03	6.16E-01
5049	475863.09	3863877.25	5.76E-01	1.64E-04	2.45E-02	4.48E-03	6.05E-01	6.01E-01	1.67E+00	2.24E+00	1.53E-01	4.66E+00	6.00E-01	1.91E-04	2.45E-02	4.48E-03	6.29E-01
5050	476363.09	3863877.25	5.94E-01	1.64E-04	2.48E-02	4.49E-03	6.24E-01	6.20E-01	1.68E+00	2.26E+00	1.53E-01	4.71E+00	6.19E-01	1.92E-04	2.48E-02	4.49E-03	6.48E-01
5051	476863.09	3863877.25	6.28E-01	1.67E-04	2.40E-02	4.64E-03	6.57E-01	6.56E-01	1.71E+00	2.19E+00	1.59E-01	4.71E+00	6.54E-01	1.95E-04	2.40E-02	4.64E-03	6.83E-01
5052	477363.09	3863877.25	6.79E-01	1.66E-04	2.27E-02	4.76E-03	7.07E-01	7.09E-01	1.69E+00	2.07E+00	1.63E-01	4.63E+00	7.08E-01	1.94E-04	2.27E-02	4.76E-03	7.35E-01
5053	477863.09	3863877.25	7.05E-01	1.60E-04	2.14E-02	4.90E-03	7.31E-01	7.35E-01	1.63E+00	1.95E+00	1.68E-01	4.48E+00	7.34E-01	1.87E-04	2.14E-02	4.90E-03	7.61E-01
5054	478363.09	3863877.25	7.21E-01	1.40E-04	2.55E-02	5.91E-03	7.52E-01	7.52E-01	1.43E+00	2.33E+00	2.02E-01	4.71E+00	7.50E-01	1.63E-04	2.55E-02	5.91E-03	7.82E-01
5055	478863.09	3863877.25	7.14E-01	1.69E-04	2.66E-02	4.46E-03	7.45E-01	7.45E-01	1.73E+00	2.42E+00	1.52E-01	5.05E+00	7.44E-01	1.98E-04	2.66E-02	4.46E-03	7.75E-01
5056	479363.09	3863877.25	7.01E-01	1.81E-04	2.68E-02	5.28E-03	7.34E-01	7.32E-01	1.85E+00	2.45E+00	1.80E-01	5.21E+00	7.30E-01	2.11E-04	2.68E-02	5.28E-03	7.63E-01
5057	479863.09	3863877.25	7.10E-01	1.83E-04	2.59E-02	6.05E-03	7.42E-01	7.40E-01	1.87E+00	2.36E+00	2.07E-01	5.18E+00	7.39E-01	2.14E-04	2.59E-02	6.05E-03	7.71E-01
5058	480363.09	3863877.25	7.06E-01	1.82E-04	3.15E-02	5.61E-03	7.43E-01	7.36E-01	1.86E+00	2.87E+00	1.92E-01	5.67E+00	7.35E-01	2.13E-04	3.15E-02	5.61E-03	7.72E-01
5059	480863.09	3863877.25	7.22E-01	1.82E-04	3.54E-02	5.08E-03	7.63E-01	7.53E-01	1.86E+00	3.23E+00	1.74E-01	6.02E+00	7.52E-01	2.13E-04	3.54E-02	5.08E-03	7.93E-01

5060	481363.09	3863877.25	7.26E-01	1.88E-04	3.34E-02	4.96E-03	7.64E-01	7.57E-01	1.92E+00	3.05E+00	1.70E-01	5.90E+00	7.56E-01	2.20E-04	3.34E-02	4.96E-03	7.95E-01
5061	481863.09	3863877.25	7.42E-01	1.96E-04	2.89E-02	5.06E-03	7.76E-01	7.74E-01	2.00E+00	2.63E+00	1.73E-01	5.58E+00	7.72E-01	2.29E-04	2.89E-02	5.06E-03	8.06E-01
5062	482363.09	3863877.25	7.57E-01	2.20E-04	2.60E-02	5.51E-03	7.89E-01	7.90E-01	2.25E+00	2.37E+00	1.88E-01	5.60E+00	7.89E-01	2.58E-04	2.60E-02	5.51E-03	8.20E-01
5063	482863.09	3863877.25	7.55E-01	2.40E-04	2.64E-02	6.56E-03	7.88E-01	7.87E-01	2.45E+00	2.41E+00	2.24E-01	5.87E+00	7.86E-01	2.81E-04	2.64E-02	6.56E-03	8.19E-01
5064	483363.09	3863877.25	7.72E-01	2.45E-04	2.17E-02	7.19E-03	8.01E-01	8.06E-01	2.50E+00	1.98E+00	2.46E-01	5.54E+00	8.04E-01	2.87E-04	2.17E-02	7.19E-03	8.33E-01
5065	483863.09	3863877.25	9.39E-01	2.77E-04	1.65E-02	6.46E-03	9.62E-01	9.79E-01	2.83E+00	1.50E+00	2.21E-01	5.54E+00	9.78E-01	3.25E-04	1.65E-02	6.46E-03	1.00E+00
5066	484363.09	3863877.25	9.84E-01	2.78E-04	2.96E-02	5.75E-03	1.02E+00	1.03E+00	2.84E+00	2.70E+00	1.97E-01	6.77E+00	1.02E+00	3.26E-04	2.96E-02	5.75E-03	1.06E+00
5067	484863.09	3863877.25	1.02E+00	2.80E-04	3.83E-02	5.42E-03	1.06E+00	1.06E+00	2.86E+00	3.49E+00	1.86E-01	7.60E+00	1.06E+00	3.28E-04	3.83E-02	5.42E-03	1.10E+00
5068	485363.09	3863877.25	1.07E+00	3.10E-04	2.20E-02	4.60E-03	1.09E+00	1.11E+00	3.16E+00	2.00E+00	1.57E-01	6.44E+00	1.11E+00	3.62E-04	2.20E-02	4.60E-03	1.14E+00
5069	485863.09	3863877.25	1.07E+00	3.47E-04	1.36E-02	4.77E-03	1.09E+00	1.12E+00	3.55E+00	1.24E+00	1.63E-01	6.06E+00	1.11E+00	4.06E-04	1.36E-02	4.77E-03	1.13E+00
5070	486363.09	3863877.25	9.97E-01	3.74E-04	1.96E-02	4.74E-03	1.02E+00	1.04E+00	3.83E+00	1.79E+00	1.62E-01	6.81E+00	1.04E+00	4.38E-04	1.96E-02	4.74E-03	1.06E+00
5071	486863.09	3863877.25	1.11E+00	3.56E-04	2.26E-02	4.97E-03	1.14E+00	1.16E+00	3.64E+00	2.06E+00	1.70E-01	7.02E+00	1.15E+00	4.16E-04	2.26E-02	4.97E-03	1.18E+00
5072	487363.09	3863877.25	1.10E+00	4.03E-04	3.70E-02	5.89E-03	1.14E+00	1.15E+00	4.11E+00	3.37E+00	2.01E-01	8.84E+00	1.15E+00	4.71E-04	3.70E-02	5.89E-03	1.19E+00
5073	487863.09	3863877.25	1.17E+00	4.05E-04	3.38E-02	8.14E-03	1.21E+00	1.22E+00	4.14E+00	3.08E+00	2.78E-01	8.72E+00	1.22E+00	4.74E-04	3.38E-02	8.14E-03	1.26E+00
5074	488363.09	3863877.25	1.22E+00	3.89E-04	2.82E-02	6.68E-03	1.25E+00	1.27E+00	3.97E+00	2.58E+00	2.28E-01	8.05E+00	1.27E+00	4.55E-04	2.82E-02	6.68E-03	1.30E+00
5075	488863.09	3863877.25	1.33E+00	4.06E-04	1.85E-02	5.71E-03	1.36E+00	1.39E+00	4.15E+00	1.68E+00	1.95E-01	7.41E+00	1.39E+00	4.75E-04	1.85E-02	5.71E-03	1.41E+00
5076	489363.09	3863877.25	1.40E+00	4.47E-04	2.02E-02	5.19E-03	1.42E+00	1.46E+00	4.57E+00	1.84E+00	1.77E-01	8.05E+00	1.45E+00	5.23E-04	2.02E-02	5.19E-03	1.48E+00
5077	489863.09	3863877.25	1.36E+00	5.59E-04	1.60E-02	5.72E-03	1.38E+00	1.42E+00	5.72E+00	1.46E+00	1.96E-01	8.79E+00	1.41E+00	6.55E-04	1.60E-02	5.72E-03	1.44E+00
5078	490363.09	3863877.25	1.80E+00	6.14E-04	1.30E-02	7.16E-03	1.82E+00	1.88E+00	6.28E+00	1.19E+00	2.45E-01	9.59E+00	1.88E+00	7.19E-04	1.30E-02	7.16E-03	1.90E+00
5079	490863.09	3863877.25	1.71E+00	6.63E-04	1.51E-02	8.43E-03	1.73E+00	1.78E+00	6.77E+00	1.37E+00	2.88E-01	1.02E+01	1.78E+00	7.76E-04	1.51E-02	8.43E-03	1.80E+00
5080	491363.09	3863877.25	1.51E+00	6.16E-04	1.60E-02	1.01E-02	1.54E+00	1.58E+00	6.30E+00	1.46E+00	3.45E-01	9.68E+00	1.58E+00	7.21E-04	1.60E-02	1.01E-02	1.60E+00
5081	491863.09	3863877.25	1.64E+00	7.22E-04	2.13E-02	1.23E-02	1.67E+00	1.71E+00	7.38E+00	1.94E+00	4.21E-01	1.15E+01	1.71E+00	8.45E-04	2.13E-02	1.23E-02	1.74E+00
5082	492363.09	3863877.25	1.62E+00	8.09E-04	2.57E-02	1.37E-02	1.66E+00	1.69E+00	8.26E+00	2.34E+00	4.69E-01	1.28E+01	1.69E+00	9.46E-04	2.57E-02	1.37E-02	1.73E+00
5083	492863.09	3863877.25	1.58E+00	7.65E-04	3.25E-02	1.47E-02	1.62E+00	1.64E+00	7.81E+00	2.97E+00	5.04E-01	1.29E+01	1.64E+00	8.95E-04	3.25E-02	1.47E-02	1.69E+00
5084	493363.09	3863877.25	1.55E+00	7.15E-04	3.12E-02	1.09E-02	1.60E+00	1.62E+00	7.31E+00	2.85E+00	3.72E-01	1.21E+01	1.62E+00	8.37E-04	3.12E-02	1.09E-02	1.66E+00
5085	493863.09	3863877.25	1.56E+00	6.72E-04	3.18E-02	7.95E-03	1.60E+00	1.63E+00	6.86E+00	2.90E+00	2.72E-01	1.17E+01	1.63E+00	7.86E-04	3.18E-02	7.95E-03	1.67E+00
5086	494363.09	3863877.25	1.40E+00	6.08E-04	3.93E-02	8.35E-03	1.45E+00	1.46E+00	6.21E+00	3.58E+00	2.86E-01	1.15E+01	1.46E+00	7.11E-04	3.93E-02	8.35E-03	1.51E+00
5087	494863.09	3863877.25	1.36E+00	5.71E-04	3.90E-02	8.71E-03	1.41E+00	1.42E+00	5.83E+00	3.56E+00	2.98E-01	1.11E+01	1.42E+00	6.68E-04	3.90E-02	8.71E-03	1.46E+00
5088	495363.09	3863877.25	1.30E+00	5.45E-04	2.72E-02	8.69E-03	1.34E+00	1.36E+00	5.57E+00	2.48E+00	2.97E-01	9.71E+00	1.35E+00	6.38E-04	2.72E-02	8.69E-03	1.39E+00
5089	495863.09	3863877.25	1.21E+00	5.12E-04	1.98E-02	9.14E-03	1.24E+00	1.26E+00	5.24E+00	1.81E+00	3.12E-01	8.62E+00	1.26E+00	6.00E-04	1.98E-02	9.14E-03	1.29E+00
5090	496363.09	3863877.25	1.19E+00	4.70E-04	1.91E-02	8.92E-03	1.22E+00	1.24E+00	4.80E+00	1.74E+00	3.05E-01	8.10E+00	1.24E+00	5.50E-04	1.91E-02	8.92E-03	1.27E+00
5091	496863.09	3863877.25	1.07E+00	4.48E-04	1.96E-02	7.78E-03	1.10E+00	1.12E+00	4.58E+00	1.78E+00	2.66E-01	7.75E+00	1.11E+00	5.25E-04	1.96E-02	7.78E-03	1.14E+00
5092	497363.09	3863877.25	1.06E+00	4.23E-04	2.05E-02	7.18E-03	1.09E+00	1.11E+00	4.32E+00	1.87E+00	2.46E-01	7.54E+00	1.10E+00	4.95E-04	2.05E-02	7.18E-03	1.13E+00
5093	497863.09	3863877.25	1.01E+00	3.89E-04	2.54E-02	6.62E-03	1.04E+00	1.05E+00	3.97E+00	2.31E+00	2.26E-01	7.56E+00	1.05E+00	4.55E-04	2.54E-02	6.62E-03	1.08E+00
5094	498363.09	3863877.25	9.58E-01	3.35E-04	2.62E-02	6.41E-03	9.91E-01	1.00E+00	3.43E+00	2.39E+00	2.19E-01	7.04E+00	9.98E-01	3.92E-04	2.62E-02	6.41E-03	1.03E+00
5095	471363.09	3864377.25	5.06E-01	1.41E-04	2.13E-02	4.31E-03	5.32E-01	5.28E-01	1.44E+00	1.95E+00	1.47E-01	4.06E+00	5.27E-01	1.65E-04	2.13E-02	4.31E-03	5.53E-01
5096	471863.09	3864377.25	4.98E-01	1.42E-04	2.02E-02	4.31E-03	5.23E-01	5.20E-01	1.45E+00	1.84E+00	1.47E-01	3.95E+00	5.19E-01	1.66E-04	2.02E-02	4.31E-03	5.43E-01
5097	472363.09	3864377.25	4.99E-01	1.43E-04	1.87E-02	4.30E-03	5.22E-01	5.21E-01	1.46E+00	1.71E+00	1.47E-01	3.84E+00	5.20E-01	1.68E-04	1.87E-02	4.30E-03	5.43E-01
5098	472863.09	3864377.25	5.23E-01	1.45E-04	1.70E-02	4.22E-03	5.45E-01	5.46E-01	1.49E+00	1.55E+00	1.44E-01	3.73E+00	5.45E-01	1.70E-04	1.70E-02	4.22E-03	5.66E-01
5099	473363.09	3864377.25	5.28E-01	1.48E-04	1.77E-02	4.23E-03	5.50E-01	5.51E-01	1.52E+00	1.62E+00	1.45E-01	3.83E+00	5.50E-01	1.74E-04	1.77E-02	4.23E-03	5.72E-01
5100	473863.09	3864377.25	5.36E-01	1.49E-04	1.97E-02	4.55E-03	5.61E-01	5.60E-01	1.52E+00	1.80E+00	1.56E-01	4.04E+00	5.58E-01	1.74E-04	1.97E-02	4.55E-03	5.83E-01
5101	474363.09	3864377.25	5.43E-01	1.49E-04	2.16E-02	4.79E-03	5.69E-01	5.66E-01	1.52E+00	1.97E+00	1.64E-01	4.22E+00	5.65E-01	1.74E-04	2.16E-02	4.79E-03	5.92E-01
5102	474863.09	3864377.25	5.38E-01	1.50E-04	2.32E-02	4.81E-03	5.66E-01	5.62E-01	1.53E+00	2.11E+00	1.64E-01	4.37E+00	5.61E-01	1.76E-04	2.32E-02	4.81E-03	5.89E-01
5103	475363.09	3864377.25	5.53E-01	1.54E-04	2.38E-02	4.57E-03	5.81E-01	5.77E-01	1.57E+00	2.17E+00	1.56E-01	4.47E+00	5.75E-01	1.80E-04	2.38E-02	4.57E-03	6.04E-01
5104	475863.09	3864377.25	5.64E-01	1.56E-04	2.29E-02	4.68E-03	5.92E-01	5.89E-01	1.59E+00	2.09E+00	1.60E-01	4.43E+00	5.88E-01	1.82E-04	2.29E-02	4.68E-03	6.15E-01
5105	476363.09	3864377.25	5.99E-01	1.56E-04	2.24E-02	4.69E-03	6.26E-01	6.25E-01	1.59E+00	2.04E+00	1.61E-01	4.42E+00	6.23E-01	1.83E-04	2.24E-02	4.69E-03	6.51E-01
5106	476863.09	3864377.25	6.49E-01	1.57E-04	2.09E-02	4.54E-03	6.74E-01	6.77E-01	1.60E+00	1.91E+00	1.55E-01	4.34E+00	6.75E-01	1.84E-04	2.09E-02	4.54E-03	7.01E-01
5107	477363.09	3864377.25	6.69E-01	1.60E-04	2.21E-02	4.51E-03	6.95E-01	6.98E-01	1.64E+00	2.02E+00	1.54E-01	4.50E+00	6.96E-01	1.87E-04	2.21E-02	4.51E-03	7.23E-01
5108	477863.09	3864377.25	6.75E-01	1.64E-04	2.44E-02	4.47E-03	7.04E-01	7.05E-01	1.68E+00	2.23E+00	1.53E-01	4.76E+00	7.03E-01	1.92E-04	2.44E-02	4.47E-03	7.32E-01
5109	478363.09	3864377.25	6.71E-01	1.68E-04	2.53E-02	4.37E-03	7.00E-01	7.00E-01	1.71E+00	2.30E+00	1.50E-01	4.87E+00	6.98E-01	1.96E-04	2.53E-02	4.37E-03	7.28E-01
5110	478863.09	3864377.25	6.57E-01	1.69E-04	2.42E-02	4.93E-03	6.86E-01	6.85E-01	1.72E+00	2.20E+00	1.69E-01	4.78E+00	6.84E-01	1.97E-04	2.42E-02	4.93E-03	7.13E-01
5111	479363.09	3864377.25	6.69E-01	1.67E-04	2.58E-02	5.89E-03	7.01E-01	6.98E-01	1.70E+00	2.36E+00	2.01E-01	4.96E+00	6.97E-01	1.95E-04	2.58E-02	5.89E-03	7.29E-01
5112	479863.09	3864377.25	6.74E-01	1.66E-04	3.09E-02	5.63E-03	7.11E-01	7.03E-01	1.69E+00	2.82E+00	1.92E-01	5.40E+00	7.02E-01	1.94E-04	3.09E-02	5.63E-03	7.39E-01
5113	480363.09	3864377.25	6.74E-01	1.65E-04	3.38E-02	5.06E-03	7.13E-01	7.03E-01	1.68E+00	3.08E+00	1.73E-01	5.64E+00	7.02E-01	1.92E-04	3.38E-02	5.06E-03	7.41E-01
5114	480863.09	3864377.25	6.88E-01	1.77E-04	3.04E-02	4.89E-03	7.23E-01	7.18E-01	1.80E+00	2.77E+00	1.67E-01	5.46E+00	7.16E-01	2.07E-04	3.04E-02	4.89E-03	7.52E-01
5115	481363.09	3864377.25	6.86E-01	1.82E-04	2.64E-02	4.78E-03	7.17E-01	7.16E-01	1.86E+00	2.41E+00	1.63E-01	5.15E+00	7.14E-01	2.13E-04	2.64E-02	4.78E-03	7.46E-01
5116	481863.09	3864377.25	7.16E-01	1.90E-04	2.36E-02	5.09E-03	7.45E-01	7.47E-01	1.94E+00	2.15E+00	1.74E-01	5.01E+00	7.46E-01	2.22E-04	2.36E-02	5.09E-03	7.75E-01
5117	482363.09	3864377.25	7.19E-01	2.11E-04	2.42E-02	6.15E-03	7.50E-01	7.50E-01	2.16E+00	2.21E+00	2.10E-01	5.33E+00	7.49E-01	2.47E-04	2.42E-02	6.15E-03	7.79E-01
5118	482863.09	3864377.25	7.14E-01	2.34E-04	2.11E-02	6.84E-03	7.42E-01	7.45E-01	2.39E+00	1.92E+00	2.34E-01	5.29E+00	7.43E-01	2.73E-04	2.11E-02	6.84E-03	7.71E-01
5119	483363.09	3864377.25	7.46E-01	2.60E-04	1.52E-02	6.37E-03	7.68E-01	7.78E-01	2.66E+00	1.39E+00	2.18E-01	5.04E+00	7.77E-01	3.04E-04	1.52E-02	6.37E-03	7.99E-01
5120	483863.09	3864377.25	9.10E-01	2.49E-04	2.16E-02	5.62E-03	9.38E-01	9.50E-01	2.55E+00	1.97E+00	1.92E-01	5.66E+00	9.48E-01	2.92E-04	2.16E-02	5.62E-03	9.75E-01

5121	484363.09	3864377.25	9.50E-01	2.47E-04	3.94E-02	5.24E-03	9.95E-01	9.91E-01	2.53E+00	3.60E+00	1.79E-01	7.29E+00	9.89E-01	2.89E-04	3.94E-02	5.24E-03	1.03E+00
5122	484863.09	3864377.25	9.73E-01	2.81E-04	2.93E-02	4.76E-03	1.01E+00	1.01E+00	2.87E+00	2.67E+00	1.63E-01	6.72E+00	1.01E+00	3.29E-04	2.93E-02	4.76E-03	1.05E+00
5123	485363.09	3864377.25	1.02E+00	2.77E-04	1.51E-02	4.12E-03	1.04E+00	1.07E+00	2.83E+00	1.38E+00	1.41E-01	5.42E+00	1.07E+00	3.25E-04	1.51E-02	4.12E-03	1.08E+00
5124	485863.09	3864377.25	1.00E+00	3.22E-04	1.63E-02	4.91E-03	1.02E+00	1.05E+00	3.29E+00	1.49E+00	1.68E-01	5.99E+00	1.04E+00	3.77E-04	1.63E-02	4.91E-03	1.07E+00
5125	486363.09	3864377.25	9.43E-01	3.30E-04	1.86E-02	4.99E-03	9.67E-01	9.84E-01	3.37E+00	1.70E+00	1.71E-01	6.23E+00	9.82E-01	3.86E-04	1.86E-02	4.99E-03	1.01E+00
5126	486863.09	3864377.25	1.05E+00	3.37E-04	2.32E-02	5.30E-03	1.08E+00	1.09E+00	3.45E+00	2.11E+00	1.81E-01	6.83E+00	1.09E+00	3.95E-04	2.32E-02	5.30E-03	1.12E+00
5127	487363.09	3864377.25	1.06E+00	3.69E-04	3.67E-02	6.03E-03	1.10E+00	1.10E+00	3.77E+00	3.35E+00	2.06E-01	8.43E+00	1.10E+00	4.32E-04	3.67E-02	6.03E-03	1.14E+00
5128	487863.09	3864377.25	1.10E+00	3.67E-04	3.18E-02	7.74E-03	1.14E+00	1.14E+00	3.75E+00	2.90E+00	2.65E-01	8.05E+00	1.14E+00	4.29E-04	3.18E-02	7.74E-03	1.18E+00
5129	488363.09	3864377.25	1.14E+00	3.47E-04	2.74E-02	6.21E-03	1.17E+00	1.19E+00	3.54E+00	2.50E+00	2.12E-01	7.44E+00	1.19E+00	4.06E-04	2.74E-02	6.21E-03	1.22E+00
5130	488863.09	3864377.25	1.25E+00	3.73E-04	1.76E-02	5.41E-03	1.27E+00	1.30E+00	3.82E+00	1.61E+00	1.85E-01	6.91E+00	1.30E+00	4.37E-04	1.76E-02	5.41E-03	1.32E+00
5131	489363.09	3864377.25	1.25E+00	3.82E-04	1.85E-02	5.07E-03	1.28E+00	1.31E+00	3.91E+00	1.69E+00	1.73E-01	7.08E+00	1.30E+00	4.47E-04	1.85E-02	5.07E-03	1.33E+00
5132	489863.09	3864377.25	1.27E+00	4.47E-04	1.81E-02	4.87E-03	1.30E+00	1.33E+00	4.57E+00	1.66E+00	1.66E-01	7.72E+00	1.33E+00	5.23E-04	1.81E-02	4.87E-03	1.35E+00
5133	490363.09	3864377.25	1.43E+00	5.51E-04	1.16E-02	6.05E-03	1.45E+00	1.49E+00	5.63E+00	1.06E+00	2.07E-01	8.39E+00	1.49E+00	6.45E-04	1.16E-02	6.05E-03	1.51E+00
5134	490863.09	3864377.25	1.70E+00	5.70E-04	1.33E-02	7.31E-03	1.72E+00	1.78E+00	5.83E+00	1.21E+00	2.50E-01	9.06E+00	1.77E+00	6.67E-04	1.33E-02	7.31E-03	1.79E+00
5135	491363.09	3864377.25	1.52E+00	6.23E-04	1.58E-02	9.78E-03	1.55E+00	1.59E+00	6.37E+00	1.44E+00	3.35E-01	9.73E+00	1.58E+00	7.29E-04	1.58E-02	9.78E-03	1.61E+00
5136	491863.09	3864377.25	1.37E+00	1.31E-04	1.65E-02	1.20E-02	1.40E+00	1.43E+00	1.34E+00	1.50E+00	4.09E-01	4.68E+00	1.43E+00	1.53E-04	1.65E-02	1.20E-02	1.46E+00
5137	492363.09	3864377.25	2.08E+00	5.16E-04	2.32E-02	1.66E-02	2.12E+00	2.17E+00	5.27E+00	2.11E+00	5.68E-01	1.01E+01	2.16E+00	6.04E-04	2.32E-02	1.66E-02	2.21E+00
5138	492863.09	3864377.25	1.79E+00	2.45E-04	4.67E-02	1.51E-02	1.85E+00	1.87E+00	2.50E+00	4.26E+00	5.17E-01	9.14E+00	1.87E+00	2.86E-04	4.67E-02	1.51E-02	1.93E+00
5139	493363.09	3864377.25	2.00E+00	4.42E-04	6.30E-02	1.55E-02	2.08E+00	2.08E+00	4.51E+00	5.75E+00	5.29E-01	1.29E+01	2.08E+00	5.17E-04	6.30E-02	1.55E-02	2.16E+00
5140	493863.09	3864377.25	1.69E+00	6.13E-04	2.93E-02	1.14E-02	1.73E+00	1.76E+00	6.26E+00	2.67E+00	3.91E-01	1.11E+01	1.76E+00	7.17E-04	2.93E-02	1.14E-02	1.80E+00
5141	494363.09	3864377.25	1.44E+00	6.11E-04	2.90E-02	7.60E-03	1.48E+00	1.50E+00	6.24E+00	2.65E+00	2.60E-01	1.06E+01	1.50E+00	7.15E-04	2.90E-02	7.60E-03	1.54E+00
5142	494863.09	3864377.25	1.32E+00	5.89E-04	3.62E-02	7.58E-03	1.36E+00	1.37E+00	6.02E+00	3.30E+00	2.59E-01	1.10E+01	1.37E+00	6.89E-04	3.62E-02	7.58E-03	1.42E+00
5143	495363.09	3864377.25	1.25E+00	5.48E-04	3.76E-02	8.41E-03	1.30E+00	1.30E+00	5.60E+00	3.43E+00	2.88E-01	1.06E+01	1.30E+00	6.41E-04	3.76E-02	8.41E-03	1.35E+00
5144	495863.09	3864377.25	1.22E+00	5.22E-04	2.80E-02	8.36E-03	1.26E+00	1.28E+00	5.33E+00	2.55E+00	2.86E-01	9.45E+00	1.27E+00	6.11E-04	2.80E-02	8.36E-03	1.31E+00
5145	496363.09	3864377.25	1.11E+00	4.92E-04	1.85E-02	9.02E-03	1.14E+00	1.16E+00	5.03E+00	1.69E+00	3.09E-01	8.19E+00	1.16E+00	5.76E-04	1.85E-02	9.02E-03	1.19E+00
5146	496863.09	3864377.25	1.12E+00	4.60E-04	1.80E-02	9.30E-03	1.15E+00	1.17E+00	4.70E+00	1.64E+00	3.18E-01	7.82E+00	1.17E+00	5.38E-04	1.80E-02	9.30E-03	1.19E+00
5147	497363.09	3864377.25	1.03E+00	4.24E-04	1.88E-02	8.49E-03	1.06E+00	1.08E+00	4.33E+00	1.71E+00	2.90E-01	7.41E+00	1.08E+00	4.96E-04	1.88E-02	8.49E-03	1.10E+00
5148	497863.09	3864377.25	1.02E+00	4.16E-04	1.93E-02	8.15E-03	1.05E+00	1.07E+00	4.25E+00	1.76E+00	2.79E-01	7.35E+00	1.06E+00	4.87E-04	1.93E-02	8.15E-03	1.09E+00
5149	498363.09	3864377.25	9.65E-01	3.92E-04	2.19E-02	6.93E-03	9.95E-01	1.01E+00	4.01E+00	2.00E+00	2.37E-01	7.25E+00	1.01E+00	4.59E-04	2.19E-02	6.93E-03	1.03E+00
5150	471363.09	3864877.25	4.66E-01	1.37E-04	1.69E-02	3.94E-03	4.87E-01	4.86E-01	1.39E+00	1.54E+00	1.35E-01	3.56E+00	4.85E-01	1.60E-04	1.69E-02	3.94E-03	5.06E-01
5151	471863.09	3864877.25	4.94E-01	1.38E-04	1.56E-02	3.83E-03	5.14E-01	5.16E-01	1.41E+00	1.43E+00	1.31E-01	3.48E+00	5.15E-01	1.61E-04	1.56E-02	3.83E-03	5.34E-01
5152	472363.09	3864877.25	5.09E-01	1.38E-04	1.68E-02	3.86E-03	5.30E-01	5.31E-01	1.41E+00	1.54E+00	1.32E-01	3.61E+00	5.30E-01	1.61E-04	1.68E-02	3.86E-03	5.51E-01
5153	472863.09	3864877.25	5.16E-01	1.37E-04	1.86E-02	4.31E-03	5.39E-01	5.39E-01	1.40E+00	1.70E+00	1.47E-01	3.78E+00	5.38E-01	1.60E-04	1.86E-02	4.31E-03	5.61E-01
5154	473363.09	3864877.25	5.20E-01	1.37E-04	2.07E-02	4.74E-03	5.46E-01	5.43E-01	1.40E+00	1.89E+00	1.62E-01	3.99E+00	5.42E-01	1.60E-04	2.07E-02	4.74E-03	5.67E-01
5155	473863.09	3864877.25	5.20E-01	1.41E-04	2.17E-02	4.95E-03	5.47E-01	5.43E-01	1.45E+00	1.98E+00	1.69E-01	4.14E+00	5.41E-01	1.66E-04	2.17E-02	4.95E-03	5.68E-01
5156	474363.09	3864877.25	5.18E-01	1.44E-04	2.20E-02	4.90E-03	5.45E-01	5.41E-01	1.47E+00	2.01E+00	1.67E-01	4.19E+00	5.40E-01	1.69E-04	2.20E-02	4.90E-03	5.67E-01
5157	474863.09	3864877.25	5.30E-01	1.46E-04	2.13E-02	4.73E-03	5.56E-01	5.53E-01	1.49E+00	1.94E+00	1.62E-01	4.15E+00	5.52E-01	1.71E-04	2.13E-02	4.73E-03	5.78E-01
5158	475363.09	3864877.25	5.36E-01	1.47E-04	2.09E-02	4.64E-03	5.62E-01	5.60E-01	1.50E+00	1.90E+00	1.59E-01	4.12E+00	5.58E-01	1.71E-04	2.09E-02	4.64E-03	5.84E-01
5159	475863.09	3864877.25	5.70E-01	1.48E-04	1.91E-02	4.49E-03	5.94E-01	5.95E-01	1.51E+00	1.75E+00	1.54E-01	4.01E+00	5.93E-01	1.73E-04	1.91E-02	4.49E-03	6.17E-01
5160	476363.09	3864877.25	6.18E-01	1.50E-04	1.97E-02	4.35E-03	6.42E-01	6.45E-01	1.54E+00	1.80E+00	1.49E-01	4.13E+00	6.43E-01	1.76E-04	1.97E-02	4.35E-03	6.68E-01
5161	476863.09	3864877.25	6.41E-01	1.54E-04	2.23E-02	4.40E-03	6.68E-01	6.69E-01	1.57E+00	2.03E+00	1.50E-01	4.42E+00	6.68E-01	1.80E-04	2.23E-02	4.40E-03	6.94E-01
5162	477363.09	3864877.25	6.44E-01	1.56E-04	2.35E-02	4.46E-03	6.72E-01	6.71E-01	1.59E+00	2.14E+00	1.53E-01	4.56E+00	6.70E-01	1.83E-04	2.35E-02	4.46E-03	6.98E-01
5163	477863.09	3864877.25	6.36E-01	1.55E-04	2.32E-02	4.33E-03	6.64E-01	6.64E-01	1.58E+00	2.12E+00	1.48E-01	4.51E+00	6.63E-01	1.81E-04	2.32E-02	4.33E-03	6.91E-01
5164	478363.09	3864877.25	6.15E-01	1.53E-04	2.17E-02	4.80E-03	6.41E-01	6.41E-01	1.57E+00	1.98E+00	1.64E-01	4.35E+00	6.40E-01	1.79E-04	2.17E-02	4.80E-03	6.67E-01
5165	478863.09	3864877.25	6.30E-01	1.53E-04	2.59E-02	5.29E-03	6.61E-01	6.57E-01	1.56E+00	2.36E+00	1.81E-01	4.76E+00	6.56E-01	1.78E-04	2.59E-02	5.29E-03	6.87E-01
5166	479363.09	3864877.25	6.42E-01	1.50E-04	2.95E-02	5.43E-03	6.77E-01	6.70E-01	1.53E+00	2.69E+00	1.86E-01	5.08E+00	6.68E-01	1.76E-04	2.95E-02	5.43E-03	7.03E-01
5167	479863.09	3864877.25	6.34E-01	1.53E-04	3.11E-02	5.02E-03	6.70E-01	6.62E-01	1.57E+00	2.84E+00	1.72E-01	5.24E+00	6.60E-01	1.79E-04	3.11E-02	5.02E-03	6.97E-01
5168	480363.09	3864877.25	6.52E-01	1.66E-04	2.79E-02	4.95E-03	6.85E-01	6.80E-01	1.70E+00	2.55E+00	1.69E-01	5.10E+00	6.79E-01	1.95E-04	2.79E-02	4.95E-03	7.12E-01
5169	480863.09	3864877.25	6.53E-01	1.71E-04	2.43E-02	4.58E-03	6.82E-01	6.81E-01	1.75E+00	2.21E+00	1.57E-01	4.80E+00	6.80E-01	2.00E-04	2.43E-02	4.58E-03	7.09E-01
5170	481363.09	3864877.25	6.73E-01	1.74E-04	2.16E-02	4.98E-03	7.00E-01	7.02E-01	1.78E+00	1.97E+00	1.70E-01	4.62E+00	7.01E-01	2.04E-04	2.16E-02	4.98E-03	7.28E-01
5171	481863.09	3864877.25	6.82E-01	1.78E-04	2.22E-02	5.64E-03	7.10E-01	7.12E-01	1.81E+00	2.02E+00	1.93E-01	4.74E+00	7.11E-01	2.08E-04	2.22E-02	5.64E-03	7.39E-01
5172	482363.09	3864877.25	6.78E-01	2.12E-04	2.02E-02	6.20E-03	7.05E-01	7.07E-01	2.16E+00	1.84E+00	2.12E-01	4.92E+00	7.06E-01	2.48E-04	2.02E-02	6.20E-03	7.33E-01
5173	482863.09	3864877.25	6.90E-01	2.48E-04	1.51E-02	5.89E-03	7.12E-01	7.20E-01	2.53E+00	1.38E+00	2.01E-01	4.83E+00	7.19E-01	2.90E-04	1.51E-02	5.89E-03	7.40E-01
5174	483363.09	3864877.25	7.31E-01	2.35E-04	1.69E-02	5.83E-03	7.54E-01	7.63E-01	2.40E+00	1.54E+00	1.99E-01	4.90E+00	7.61E-01	2.75E-04	1.69E-02	5.83E-03	7.84E-01
5175	483863.09	3864877.25	8.80E-01	2.21E-04	3.43E-02	5.21E-03	9.20E-01	9.18E-01	2.26E+00	3.12E+00	1.78E-01	6.48E+00	9.16E-01	2.59E-04	3.43E-02	5.21E-03	9.56E-01
5176	484363.09	3864877.25	9.18E-01	2.47E-04	3.72E-02	5.01E-03	9.60E-01	9.58E-01	2.52E+00	3.39E+00	1.71E-01	7.04E+00	9.56E-01	2.89E-04	3.72E-02	5.01E-03	9.98E-01
5177	484863.09	3864877.25	9.39E-01	2.49E-04	2.19E-02	3.84E-03	9.65E-01	9.80E-01	2.55E+00	2.00E+00	1.31E-01	5.65E+00	9.78E-01	2.92E-04	2.19E-02	3.84E-03	1.00E+00
5178	485363.09	3864877.25	9.86E-01	2.74E-04	1.33E-02	5.31E-03	1.00E+00	1.03E+00	2.80E+00	1.22E+00	1.82E-01	5.22E+00	1.03E+00	3.20E-04	1.33E-02	5.31E-03	1.05E+00
5179	485863.09	3864877.25	9.43E-01	3.17E-04	1.79E-02	4.54E-03	9.66E-01	9.84E-01	3.24E+00	1.63E+00	1.55E-01	6.02E+00	9.82E-01	3.71E-04	1.79E-02	4.54E-03	1.01E+00
5180	486363.09	3864877.25	8.96E-01	2.95E-04	1.75E-02	4.71E-03	9.19E-01	9.35E-01	3.01E+00	1.59E+00	1.61E-01	5.70E+00	9.34E-01	3.45E-04	1.75E-02	4.71E-03	9.56E-01
5181	486863.09	3864877.25	9.90E-01	3.03E-04	2.42E-02	5.30E-03	1.02E+00	1.03E+00	3.10E+00	2.21E+00	1.81E-01	6.52E+00	1.03E+00	3.55E-04	2.42E-02	5.30E-03	1.06E+00

5182	487363.09	3864877.25	1.01E+00	3.34E-04	3.61E-02	6.05E-03	1.05E+00	1.05E+00	3.42E+00	3.29E+00	2.07E-01	7.97E+00	1.05E+00	3.91E-04	3.61E-02	6.05E-03	1.09E+00
5183	487863.09	3864877.25	1.02E+00	3.32E-04	2.99E-02	7.24E-03	1.06E+00	1.07E+00	3.39E+00	2.72E+00	2.48E-01	7.43E+00	1.07E+00	3.88E-04	2.99E-02	7.24E-03	1.10E+00
5184	488363.09	3864877.25	1.08E+00	3.16E-04	2.66E-02	5.96E-03	1.11E+00	1.12E+00	3.23E+00	2.42E+00	2.04E-01	6.98E+00	1.12E+00	3.69E-04	2.66E-02	5.96E-03	1.16E+00
5185	488863.09	3864877.25	1.14E+00	3.38E-04	1.68E-02	5.14E-03	1.16E+00	1.19E+00	3.46E+00	1.53E+00	1.76E-01	6.35E+00	1.19E+00	3.96E-04	1.68E-02	5.14E-03	1.21E+00
5186	489363.09	3864877.25	1.17E+00	3.37E-04	1.66E-02	4.90E-03	1.19E+00	1.22E+00	3.45E+00	1.51E+00	1.68E-01	6.34E+00	1.22E+00	3.95E-04	1.66E-02	4.90E-03	1.24E+00
5187	489863.09	3864877.25	1.24E+00	3.88E-04	1.95E-02	4.40E-03	1.27E+00	1.30E+00	3.96E+00	1.78E+00	1.51E-01	7.19E+00	1.29E+00	4.54E-04	1.95E-02	4.40E-03	1.32E+00
5188	490363.09	3864877.25	1.17E+00	4.62E-04	1.18E-02	5.18E-03	1.19E+00	1.22E+00	4.72E+00	1.07E+00	1.77E-01	7.20E+00	1.22E+00	5.41E-04	1.18E-02	5.18E-03	1.24E+00
5189	490863.09	3864877.25	1.64E+00	4.95E-04	1.22E-02	6.34E-03	1.66E+00	1.71E+00	5.05E+00	1.11E+00	2.17E-01	8.09E+00	1.71E+00	5.79E-04	1.22E-02	6.34E-03	1.73E+00
5190	491363.09	3864877.25	1.62E+00	5.46E-04	1.40E-02	7.87E-03	1.65E+00	1.69E+00	5.58E+00	1.27E+00	2.69E-01	8.82E+00	1.69E+00	6.39E-04	1.40E-02	7.87E-03	1.71E+00
5191	491863.09	3864877.25	1.42E+00	4.95E-04	1.45E-02	1.10E-02	1.45E+00	1.48E+00	5.06E+00	1.32E+00	3.76E-01	8.24E+00	1.48E+00	5.80E-04	1.45E-02	1.10E-02	1.50E+00
5192	492363.09	3864877.25	6.72E-01	1.13E-04	1.61E-02	7.95E-03	6.96E-01	7.01E-01	1.15E+00	1.47E+00	2.72E-01	3.59E+00	7.00E-01	1.32E-04	1.61E-02	7.95E-03	7.24E-01
5193	492863.09	3864877.25	1.30E+00	1.52E-04	2.39E-02	9.56E-03	1.33E+00	1.35E+00	1.55E+00	2.18E+00	3.27E-01	5.41E+00	1.35E+00	1.78E-04	2.39E-02	9.56E-03	1.38E+00
5194	493363.09	3864877.25	1.07E+00	1.66E-04	3.11E-02	1.15E-02	1.11E+00	1.12E+00	1.70E+00	2.84E+00	3.92E-01	6.04E+00	1.12E+00	1.94E-04	3.11E-02	1.15E-02	1.16E+00
5195	493863.09	3864877.25	1.80E+00	4.55E-04	5.21E-02	1.46E-02	1.87E+00	1.88E+00	4.65E+00	4.75E+00	4.99E-01	1.18E+01	1.88E+00	5.32E-04	5.21E-02	1.46E-02	1.95E+00
5196	494363.09	3864877.25	1.44E+00	6.18E-04	2.72E-02	1.15E-02	1.48E+00	1.50E+00	6.31E+00	2.48E+00	3.94E-01	1.07E+01	1.50E+00	7.23E-04	2.72E-02	1.15E-02	1.54E+00
5197	494863.09	3864877.25	1.33E+00	5.72E-04	2.71E-02	7.65E-03	1.37E+00	1.39E+00	5.85E+00	2.47E+00	2.61E-01	9.97E+00	1.39E+00	6.69E-04	2.71E-02	7.65E-03	1.42E+00
5198	495363.09	3864877.25	1.24E+00	5.70E-04	3.37E-02	6.70E-03	1.28E+00	1.29E+00	5.82E+00	3.07E+00	2.29E-01	1.04E+01	1.29E+00	6.67E-04	3.37E-02	6.70E-03	1.33E+00
5199	495863.09	3864877.25	1.13E+00	5.08E-04	3.68E-02	7.63E-03	1.18E+00	1.18E+00	5.19E+00	3.35E+00	2.61E-01	9.98E+00	1.18E+00	5.94E-04	3.68E-02	7.63E-03	1.22E+00
5200	496363.09	3864877.25	1.16E+00	4.97E-04	2.84E-02	8.21E-03	1.19E+00	1.21E+00	5.08E+00	2.59E+00	2.81E-01	9.15E+00	1.20E+00	5.81E-04	2.84E-02	8.21E-03	1.24E+00
5201	496863.09	3864877.25	1.03E+00	4.81E-04	1.86E-02	8.52E-03	1.06E+00	1.08E+00	4.92E+00	1.70E+00	2.91E-01	7.98E+00	1.08E+00	5.63E-04	1.86E-02	8.52E-03	1.10E+00
5202	497363.09	3864877.25	1.01E+00	4.43E-04	1.65E-02	9.21E-03	1.04E+00	1.06E+00	4.52E+00	1.50E+00	3.15E-01	7.40E+00	1.06E+00	5.18E-04	1.65E-02	9.21E-03	1.08E+00
5203	497863.09	3864877.25	9.99E-01	4.30E-04	1.84E-02	9.18E-03	1.03E+00	1.04E+00	4.39E+00	1.67E+00	3.14E-01	7.42E+00	1.04E+00	5.03E-04	1.84E-02	9.18E-03	1.07E+00
5204	498363.09	3864877.25	9.18E-01	3.87E-04	1.86E-02	8.45E-03	9.45E-01	9.57E-01	3.95E+00	1.69E+00	2.89E-01	6.89E+00	9.56E-01	4.53E-04	1.86E-02	8.45E-03	9.83E-01
5205	471363.09	3865377.25	4.84E-01	1.27E-04	1.64E-02	3.82E-03	5.05E-01	5.05E-01	1.30E+00	1.49E+00	1.31E-01	3.43E+00	5.04E-01	1.48E-04	1.64E-02	3.82E-03	5.25E-01
5206	471863.09	3865377.25	4.92E-01	1.26E-04	1.79E-02	4.15E-03	5.14E-01	5.13E-01	1.29E+00	1.64E+00	1.42E-01	3.58E+00	5.12E-01	1.47E-04	1.79E-02	4.15E-03	5.34E-01
5207	472363.09	3865377.25	5.00E-01	1.31E-04	1.97E-02	4.55E-03	5.24E-01	5.21E-01	1.33E+00	1.79E+00	1.55E-01	3.80E+00	5.20E-01	1.53E-04	1.97E-02	4.55E-03	5.45E-01
5208	472863.09	3865377.25	5.07E-01	1.34E-04	2.08E-02	4.81E-03	5.33E-01	5.29E-01	1.37E+00	1.90E+00	1.65E-01	3.96E+00	5.28E-01	1.57E-04	2.08E-02	4.81E-03	5.54E-01
5209	473363.09	3865377.25	5.04E-01	1.36E-04	2.08E-02	4.99E-03	5.30E-01	5.26E-01	1.39E+00	1.90E+00	1.71E-01	3.98E+00	5.25E-01	1.59E-04	2.08E-02	4.99E-03	5.51E-01
5210	473863.09	3865377.25	4.96E-01	1.37E-04	2.00E-02	4.92E-03	5.21E-01	5.18E-01	1.40E+00	1.82E+00	1.68E-01	3.90E+00	5.17E-01	1.60E-04	2.00E-02	4.92E-03	5.42E-01
5211	474363.09	3865377.25	5.08E-01	1.37E-04	1.98E-02	4.58E-03	5.33E-01	5.30E-01	1.40E+00	1.80E+00	1.57E-01	3.89E+00	5.29E-01	1.61E-04	1.98E-02	4.58E-03	5.54E-01
5212	474863.09	3865377.25	5.15E-01	1.39E-04	1.86E-02	4.33E-03	5.38E-01	5.37E-01	1.42E+00	1.70E+00	1.48E-01	3.80E+00	5.36E-01	1.62E-04	1.86E-02	4.33E-03	5.59E-01
5213	475363.09	3865377.25	5.45E-01	1.41E-04	1.79E-02	4.29E-03	5.67E-01	5.68E-01	1.44E+00	1.63E+00	1.47E-01	3.79E+00	5.67E-01	1.65E-04	1.79E-02	4.29E-03	5.90E-01
5214	475863.09	3865377.25	5.91E-01	1.44E-04	1.99E-02	4.25E-03	6.16E-01	6.17E-01	1.47E+00	1.81E+00	1.45E-01	4.04E+00	6.16E-01	1.68E-04	1.99E-02	4.25E-03	6.40E-01
5215	476363.09	3865377.25	6.20E-01	1.46E-04	2.20E-02	4.24E-03	6.46E-01	6.47E-01	1.49E+00	2.01E+00	1.45E-01	4.28E+00	6.45E-01	1.70E-04	2.20E-02	4.24E-03	6.72E-01
5216	476863.09	3865377.25	6.32E-01	1.27E-04	2.46E-02	4.40E-03	6.61E-01	6.60E-01	1.30E+00	2.24E+00	1.50E-01	4.35E+00	6.58E-01	1.48E-04	2.46E-02	4.40E-03	6.87E-01
5217	477363.09	3865377.25	6.13E-01	1.46E-04	2.18E-02	4.26E-03	6.39E-01	6.39E-01	1.49E+00	1.98E+00	1.46E-01	4.26E+00	6.38E-01	1.70E-04	2.18E-02	4.26E-03	6.64E-01
5218	477863.09	3865377.25	5.86E-01	1.41E-04	2.13E-02	4.63E-03	6.12E-01	6.12E-01	1.44E+00	1.94E+00	1.58E-01	4.16E+00	6.11E-01	1.65E-04	2.13E-02	4.63E-03	6.37E-01
5219	478363.09	3865377.25	5.94E-01	1.39E-04	2.59E-02	4.96E-03	6.25E-01	6.20E-01	1.42E+00	2.36E+00	1.70E-01	4.57E+00	6.19E-01	1.62E-04	2.59E-02	4.96E-03	6.50E-01
5220	478863.09	3865377.25	6.12E-01	1.39E-04	2.86E-02	5.28E-03	6.47E-01	6.39E-01	1.42E+00	2.61E+00	1.80E-01	4.85E+00	6.38E-01	1.63E-04	2.86E-02	5.28E-03	6.72E-01
5221	479363.09	3865377.25	6.08E-01	1.46E-04	2.91E-02	5.06E-03	6.42E-01	6.34E-01	1.49E+00	2.65E+00	1.73E-01	4.95E+00	6.33E-01	1.71E-04	2.91E-02	5.06E-03	6.67E-01
5222	479863.09	3865377.25	6.09E-01	1.57E-04	2.55E-02	4.83E-03	6.39E-01	6.35E-01	1.60E+00	2.32E+00	1.65E-01	4.72E+00	6.34E-01	1.83E-04	2.55E-02	4.83E-03	6.65E-01
5223	480363.09	3865377.25	6.22E-01	1.61E-04	2.24E-02	4.75E-03	6.49E-01	6.49E-01	1.64E+00	2.04E+00	1.63E-01	4.49E+00	6.48E-01	1.88E-04	2.24E-02	4.75E-03	6.75E-01
5224	480863.09	3865377.25	6.23E-01	1.60E-04	1.98E-02	4.90E-03	6.48E-01	6.50E-01	1.64E+00	1.81E+00	1.68E-01	4.26E+00	6.48E-01	1.87E-04	1.98E-02	4.90E-03	6.73E-01
5225	481363.09	3865377.25	6.52E-01	1.61E-04	2.05E-02	5.34E-03	6.78E-01	6.80E-01	1.65E+00	1.87E+00	1.82E-01	4.38E+00	6.79E-01	1.89E-04	2.05E-02	5.34E-03	7.05E-01
5226	481863.09	3865377.25	6.54E-01	1.85E-04	1.92E-02	5.49E-03	6.78E-01	6.82E-01	1.89E+00	1.75E+00	1.88E-01	4.51E+00	6.81E-01	2.17E-04	1.92E-02	5.49E-03	7.05E-01
5227	482363.09	3865377.25	6.35E-01	2.25E-04	1.52E-02	5.28E-03	6.56E-01	6.62E-01	2.30E+00	1.39E+00	1.81E-01	4.53E+00	6.61E-01	2.64E-04	1.52E-02	5.28E-03	6.82E-01
5228	482863.09	3865377.25	6.60E-01	2.26E-04	1.48E-02	5.30E-03	6.81E-01	6.89E-01	2.30E+00	1.35E+00	1.81E-01	4.52E+00	6.88E-01	2.64E-04	1.48E-02	5.30E-03	7.08E-01
5229	483363.09	3865377.25	7.29E-01	2.04E-04	2.71E-02	5.69E-03	7.62E-01	7.60E-01	2.09E+00	2.47E+00	1.95E-01	5.51E+00	7.59E-01	2.39E-04	2.71E-02	5.69E-03	7.92E-01
5230	483863.09	3865377.25	8.58E-01	2.13E-04	3.97E-02	5.04E-03	9.03E-01	8.95E-01	2.17E+00	3.62E+00	1.72E-01	6.86E+00	8.94E-01	2.49E-04	3.97E-02	5.04E-03	9.39E-01
5231	484363.09	3865377.25	8.87E-01	2.27E-04	2.79E-02	4.36E-03	9.20E-01	9.26E-01	2.32E+00	2.54E+00	1.49E-01	5.94E+00	9.24E-01	2.65E-04	2.79E-02	4.36E-03	9.56E-01
5232	484863.09	3865377.25	9.15E-01	2.27E-04	1.57E-02	4.88E-03	9.36E-01	9.55E-01	2.32E+00	1.43E+00	1.67E-01	4.87E+00	9.53E-01	2.66E-04	1.57E-02	4.88E-03	9.74E-01
5233	485363.09	3865377.25	9.47E-01	2.54E-04	1.38E-02	5.37E-03	9.66E-01	9.88E-01	2.59E+00	1.26E+00	1.84E-01	5.03E+00	9.86E-01	2.97E-04	1.38E-02	5.37E-03	1.01E+00
5234	485863.09	3865377.25	8.87E-01	2.89E-04	1.77E-02	4.54E-03	9.10E-01	9.25E-01	2.96E+00	1.62E+00	1.55E-01	5.65E+00	9.24E-01	3.38E-04	1.77E-02	4.54E-03	9.46E-01
5235	486363.09	3865377.25	8.55E-01	2.79E-04	1.67E-02	5.12E-03	8.77E-01	8.92E-01	2.85E+00	1.52E+00	1.75E-01	5.44E+00	8.91E-01	3.27E-04	1.67E-02	5.12E-03	9.13E-01
5236	486863.09	3865377.25	9.32E-01	2.87E-04	2.53E-02	5.12E-03	9.63E-01	9.73E-01	2.93E+00	2.31E+00	1.75E-01	6.39E+00	9.71E-01	3.36E-04	2.53E-02	5.12E-03	1.00E+00
5237	487363.09	3865377.25	9.70E-01	3.17E-04	3.54E-02	6.02E-03	1.01E+00	1.01E+00	3.24E+00	3.23E+00	2.06E-01	7.69E+00	1.01E+00	3.71E-04	3.54E-02	6.02E-03	1.05E+00
5238	487863.09	3865377.25	9.64E-01	3.05E-04	2.82E-02	6.82E-03	9.99E-01	1.01E+00	3.11E+00	2.57E+00	2.33E-01	6.92E+00	1.00E+00	3.57E-04	2.82E-02	6.82E-03	1.04E+00
5239	488363.09	3865377.25	1.03E+00	2.91E-04	2.57E-02	5.69E-03	1.07E+00	1.08E+00	2.97E+00	2.35E+00	1.95E-01	6.59E+00	1.08E+00	3.40E-04	2.57E-02	5.69E-03	1.11E+00
5240	488863.09	3865377.25	1.04E+00	3.11E-04	1.61E-02	4.96E-03	1.06E+00	1.09E+00	3.17E+00	1.46E+00	1.69E-01	5.89E+00	1.08E+00	3.63E-04	1.61E-02	4.96E-03	1.11E+00
5241	489363.09	3865377.25	1.14E+00	3.03E-04	1.55E-02	4.79E-03	1.16E+00	1.19E+00	3.10E+00	1.41E+00	1.64E-01	5.86E+00	1.19E+00	3.55E-04	1.55E-02	4.79E-03	1.21E+00
5242	489863.09	3865377.25	1.16E+00	3.40E-04	2.01E-02	4.50E-03	1.18E+00	1.21E+00	3.48E+00	1.83E+00	1.54E-01	6.67E+00	1.20E+00	3.98E-04	2.01E-02	4.50E-03	1.23E+00

5243	490363.09	3865377.25	1.18E+00	3.64E-04	1.56E-02	4.55E-03	1.20E+00	1.23E+00	3.72E+00	1.43E+00	1.56E-01	6.54E+00	1.23E+00	4.26E-04	1.56E-02	4.55E-03	1.25E+00
5244	490863.09	3865377.25	1.28E+00	4.48E-04	1.04E-02	5.49E-03	1.29E+00	1.33E+00	4.57E+00	9.50E-01	1.88E-01	7.05E+00	1.33E+00	5.24E-04	1.04E-02	5.49E-03	1.35E+00
5245	491363.09	3865377.25	1.60E+00	4.20E-04	1.23E-02	6.42E-03	1.62E+00	1.67E+00	4.29E+00	1.12E+00	2.20E-01	7.30E+00	1.67E+00	4.91E-04	1.23E-02	6.42E-03	1.69E+00
5246	491863.09	3865377.25	1.47E+00	4.48E-04	1.36E-02	8.92E-03	1.49E+00	1.53E+00	4.58E+00	1.24E+00	3.05E-01	7.66E+00	1.53E+00	5.24E-04	1.36E-02	8.92E-03	1.55E+00
5247	492363.09	3865377.25	1.67E+00	2.61E-04	1.45E-02	2.20E-02	1.70E+00	1.74E+00	2.66E+00	1.32E+00	7.51E-01	6.48E+00	1.74E+00	3.05E-04	1.45E-02	2.20E-02	1.77E+00
5248	492863.09	3865377.25	1.46E+00	1.52E-04	1.90E-02	1.11E-02	1.49E+00	1.52E+00	1.55E+00	1.73E+00	3.79E-01	5.19E+00	1.52E+00	1.77E-04	1.90E-02	1.11E-02	1.55E+00
5249	493363.09	3865377.25	1.10E+00	1.42E-04	2.05E-02	8.47E-03	1.13E+00	1.14E+00	1.45E+00	1.87E+00	2.90E-01	4.76E+00	1.14E+00	1.66E-04	2.05E-02	8.47E-03	1.17E+00
5250	493863.09	3865377.25	1.57E+00	2.77E-04	5.80E-02	1.37E-02	1.64E+00	1.64E+00	2.83E+00	5.29E+00	4.69E-01	1.02E+01	1.64E+00	3.24E-04	5.80E-02	1.37E-02	1.71E+00
5251	494363.09	3865377.25	1.62E+00	4.51E-04	3.71E-02	1.35E-02	1.68E+00	1.69E+00	4.61E+00	3.38E+00	4.62E-01	1.01E+01	1.69E+00	5.28E-04	3.71E-02	1.35E-02	1.74E+00
5252	494863.09	3865377.25	1.41E+00	5.81E-04	2.54E-02	1.16E-02	1.44E+00	1.47E+00	5.94E+00	2.32E+00	3.97E-01	1.01E+01	1.47E+00	6.80E-04	2.54E-02	1.16E-02	1.50E+00
5253	495363.09	3865377.25	1.23E+00	5.35E-04	2.52E-02	8.01E-03	1.27E+00	1.29E+00	5.46E+00	2.30E+00	2.74E-01	9.32E+00	1.29E+00	6.26E-04	2.52E-02	8.01E-03	1.32E+00
5254	495863.09	3865377.25	1.16E+00	5.44E-04	3.17E-02	6.10E-03	1.20E+00	1.21E+00	5.56E+00	2.89E+00	2.09E-01	9.87E+00	1.21E+00	6.37E-04	3.17E-02	6.10E-03	1.25E+00
5255	496363.09	3865377.25	1.04E+00	4.96E-04	3.43E-02	7.42E-03	1.08E+00	1.08E+00	5.07E+00	3.13E+00	2.54E-01	9.53E+00	1.08E+00	5.81E-04	3.43E-02	7.42E-03	1.12E+00
5256	496863.09	3865377.25	1.09E+00	4.76E-04	2.78E-02	8.36E-03	1.13E+00	1.14E+00	4.86E+00	2.54E+00	2.86E-01	8.82E+00	1.13E+00	5.57E-04	2.78E-02	8.36E-03	1.17E+00
5257	497363.09	3865377.25	9.84E-01	4.58E-04	1.92E-02	7.95E-03	1.01E+00	1.03E+00	4.68E+00	1.75E+00	2.72E-01	7.74E+00	1.02E+00	5.36E-04	1.92E-02	7.95E-03	1.05E+00
5258	497863.09	3865377.25	9.46E-01	4.32E-04	1.51E-02	8.75E-03	9.70E-01	9.87E-01	4.42E+00	1.38E+00	2.99E-01	7.08E+00	9.85E-01	5.06E-04	1.51E-02	8.75E-03	1.01E+00
5259	498363.09	3865377.25	9.64E-01	4.17E-04	1.74E-02	9.06E-03	9.91E-01	1.01E+00	4.26E+00	1.59E+00	3.10E-01	7.17E+00	1.00E+00	4.88E-04	1.74E-02	9.06E-03	1.03E+00
5260	471363.09	3865877.25	4.79E-01	1.25E-04	1.88E-02	4.32E-03	5.03E-01	5.00E-01	1.27E+00	1.71E+00	1.48E-01	3.63E+00	4.99E-01	1.46E-04	1.88E-02	4.32E-03	5.23E-01
5261	471863.09	3865877.25	4.86E-01	1.27E-04	1.98E-02	4.65E-03	5.10E-01	5.07E-01	1.30E+00	1.80E+00	1.59E-01	3.77E+00	5.06E-01	1.49E-04	1.98E-02	4.65E-03	5.30E-01
5262	472363.09	3865877.25	4.91E-01	1.28E-04	2.01E-02	4.78E-03	5.16E-01	5.13E-01	1.31E+00	1.83E+00	1.64E-01	3.82E+00	5.12E-01	1.50E-04	2.01E-02	4.78E-03	5.37E-01
5263	472863.09	3865877.25	4.88E-01	1.29E-04	1.94E-02	4.89E-03	5.12E-01	5.09E-01	1.31E+00	1.76E+00	1.67E-01	3.76E+00	5.08E-01	1.51E-04	1.94E-02	4.89E-03	5.33E-01
5264	473363.09	3865877.25	4.77E-01	1.27E-04	1.90E-02	4.65E-03	5.01E-01	4.98E-01	1.30E+00	1.73E+00	1.59E-01	3.69E+00	4.97E-01	1.49E-04	1.90E-02	4.65E-03	5.20E-01
5265	473863.09	3865877.25	4.88E-01	1.30E-04	1.81E-02	4.32E-03	5.10E-01	5.09E-01	1.33E+00	1.65E+00	1.48E-01	3.63E+00	5.08E-01	1.52E-04	1.81E-02	4.32E-03	5.30E-01
5266	474363.09	3865877.25	4.92E-01	1.34E-04	1.66E-02	4.23E-03	5.13E-01	5.14E-01	1.36E+00	1.52E+00	1.45E-01	3.54E+00	5.13E-01	1.56E-04	1.66E-02	4.23E-03	5.34E-01
5267	474863.09	3865877.25	5.28E-01	1.36E-04	1.85E-02	4.10E-03	5.51E-01	5.51E-01	1.38E+00	1.69E+00	1.40E-01	3.77E+00	5.50E-01	1.59E-04	1.85E-02	4.10E-03	5.72E-01
5268	475363.09	3865877.25	5.69E-01	1.36E-04	1.98E-02	4.10E-03	5.93E-01	5.93E-01	1.39E+00	1.81E+00	1.40E-01	3.93E+00	5.92E-01	1.59E-04	1.98E-02	4.10E-03	6.16E-01
5269	475863.09	3865877.25	5.89E-01	1.35E-04	2.08E-02	4.34E-03	6.14E-01	6.15E-01	1.38E+00	1.90E+00	1.49E-01	4.04E+00	6.13E-01	1.58E-04	2.08E-02	4.34E-03	6.39E-01
5270	476363.09	3865877.25	5.98E-01	1.33E-04	2.15E-02	4.29E-03	6.24E-01	6.24E-01	1.36E+00	1.96E+00	1.47E-01	4.09E+00	6.22E-01	1.56E-04	2.15E-02	4.29E-03	6.48E-01
5271	476863.09	3865877.25	6.06E-01	1.21E-04	2.31E-02	4.30E-03	6.34E-01	6.33E-01	1.24E+00	2.11E+00	1.47E-01	4.12E+00	6.31E-01	1.41E-04	2.31E-02	4.30E-03	6.59E-01
5272	477363.09	3865877.25	5.68E-01	1.34E-04	2.25E-02	4.20E-03	5.95E-01	5.93E-01	1.37E+00	2.05E+00	1.44E-01	4.16E+00	5.91E-01	1.57E-04	2.25E-02	4.20E-03	6.18E-01
5273	477863.09	3865877.25	5.65E-01	1.29E-04	2.58E-02	4.60E-03	5.96E-01	5.90E-01	1.32E+00	2.35E+00	1.57E-01	4.42E+00	5.89E-01	1.51E-04	2.58E-02	4.60E-03	6.19E-01
5274	478363.09	3865877.25	5.86E-01	1.34E-04	2.80E-02	5.05E-03	6.19E-01	6.11E-01	1.36E+00	2.56E+00	1.73E-01	4.70E+00	6.10E-01	1.56E-04	2.80E-02	5.05E-03	6.43E-01
5275	478863.09	3865877.25	5.86E-01	1.41E-04	2.74E-02	5.26E-03	6.19E-01	6.11E-01	1.44E+00	2.50E+00	1.80E-01	4.73E+00	6.10E-01	1.65E-04	2.74E-02	5.26E-03	6.43E-01
5276	479363.09	3865877.25	5.75E-01	1.48E-04	2.34E-02	4.75E-03	6.04E-01	6.00E-01	1.51E+00	2.13E+00	1.63E-01	4.41E+00	5.99E-01	1.73E-04	2.34E-02	4.75E-03	6.27E-01
5277	479863.09	3865877.25	5.93E-01	1.51E-04	2.08E-02	4.86E-03	6.19E-01	6.19E-01	1.54E+00	1.89E+00	1.66E-01	4.22E+00	6.18E-01	1.77E-04	2.08E-02	4.86E-03	6.43E-01
5278	480363.09	3865877.25	5.89E-01	1.47E-04	1.84E-02	4.91E-03	6.12E-01	6.14E-01	1.50E+00	1.68E+00	1.68E-01	3.96E+00	6.13E-01	1.72E-04	1.84E-02	4.91E-03	6.37E-01
5279	480863.09	3865877.25	6.15E-01	1.53E-04	1.90E-02	5.17E-03	6.40E-01	6.42E-01	1.57E+00	1.73E+00	1.77E-01	4.12E+00	6.41E-01	1.79E-04	1.90E-02	5.17E-03	6.65E-01
5280	481363.09	3865877.25	6.27E-01	1.75E-04	1.82E-02	4.87E-03	6.51E-01	6.55E-01	1.79E+00	1.66E+00	1.67E-01	4.27E+00	6.53E-01	2.04E-04	1.82E-02	4.87E-03	6.77E-01
5281	481863.09	3865877.25	6.19E-01	1.98E-04	1.52E-02	4.65E-03	6.39E-01	6.45E-01	2.02E+00	1.39E+00	1.59E-01	4.22E+00	6.44E-01	2.32E-04	1.52E-02	4.65E-03	6.64E-01
5282	482363.09	3865877.25	6.09E-01	2.07E-04	1.35E-02	4.62E-03	6.27E-01	6.35E-01	2.12E+00	1.23E+00	1.58E-01	4.14E+00	6.34E-01	2.42E-04	1.35E-02	4.62E-03	6.52E-01
5283	482863.09	3865877.25	6.42E-01	1.98E-04	2.01E-02	5.28E-03	6.67E-01	6.70E-01	2.03E+00	1.83E+00	1.80E-01	4.71E+00	6.68E-01	2.32E-04	2.01E-02	5.28E-03	6.94E-01
5284	483363.09	3865877.25	7.25E-01	2.03E-04	3.64E-02	5.61E-03	7.68E-01	7.57E-01	2.07E+00	3.32E+00	1.92E-01	6.34E+00	7.55E-01	2.37E-04	3.64E-02	5.61E-03	7.98E-01
5285	483863.09	3865877.25	8.41E-01	2.12E-04	3.54E-02	4.71E-03	8.82E-01	8.78E-01	2.17E+00	3.23E+00	1.61E-01	6.43E+00	8.76E-01	2.48E-04	3.54E-02	4.71E-03	9.17E-01
5286	484363.09	3865877.25	8.59E-01	2.06E-04	2.15E-02	4.17E-03	8.85E-01	8.97E-01	2.10E+00	1.96E+00	1.43E-01	5.10E+00	8.95E-01	2.41E-04	2.15E-02	4.17E-03	9.21E-01
5287	484863.09	3865877.25	8.92E-01	2.31E-04	1.33E-02	6.03E-03	9.11E-01	9.30E-01	2.36E+00	1.21E+00	2.06E-01	4.71E+00	9.29E-01	2.70E-04	1.33E-02	6.03E-03	9.48E-01
5288	485363.09	3865877.25	9.08E-01	2.53E-04	1.59E-02	4.58E-03	9.29E-01	9.48E-01	2.58E+00	1.45E+00	1.57E-01	5.14E+00	9.46E-01	2.96E-04	1.59E-02	4.58E-03	9.67E-01
5289	485863.09	3865877.25	8.34E-01	2.63E-04	1.67E-02	4.10E-03	8.55E-01	8.70E-01	2.69E+00	1.52E+00	1.40E-01	5.22E+00	8.68E-01	3.08E-04	1.67E-02	4.10E-03	8.89E-01
5290	486363.09	3865877.25	8.15E-01	2.63E-04	1.62E-02	5.39E-03	8.37E-01	8.50E-01	2.69E+00	1.47E+00	1.84E-01	5.20E+00	8.49E-01	3.08E-04	1.62E-02	5.39E-03	8.71E-01
5291	486863.09	3865877.25	8.74E-01	2.72E-04	2.62E-02	5.07E-03	9.05E-01	9.12E-01	2.78E+00	2.39E+00	1.73E-01	6.26E+00	9.10E-01	3.19E-04	2.62E-02	5.07E-03	9.42E-01
5292	487363.09	3865877.25	9.36E-01	3.00E-04	3.45E-02	5.94E-03	9.77E-01	9.76E-01	3.06E+00	3.15E+00	2.03E-01	7.39E+00	9.74E-01	3.51E-04	3.45E-02	5.94E-03	1.02E+00
5293	487863.09	3865877.25	9.18E-01	2.82E-04	2.67E-02	6.48E-03	9.52E-01	9.58E-01	2.88E+00	2.44E+00	2.22E-01	6.50E+00	9.56E-01	3.30E-04	2.67E-02	6.48E-03	9.90E-01
5294	488363.09	3865877.25	9.76E-01	2.69E-04	2.48E-02	5.40E-03	1.01E+00	1.02E+00	2.75E+00	2.26E+00	1.85E-01	6.21E+00	1.02E+00	3.15E-04	2.48E-02	5.40E-03	1.05E+00
5295	488863.09	3865877.25	9.86E-01	2.85E-04	1.57E-02	4.80E-03	1.01E+00	1.03E+00	2.91E+00	1.43E+00	1.64E-01	5.54E+00	1.03E+00	3.33E-04	1.57E-02	4.80E-03	1.05E+00
5296	489363.09	3865877.25	1.07E+00	2.75E-04	1.46E-02	4.69E-03	1.09E+00	1.12E+00	2.81E+00	1.33E+00	1.60E-01	5.41E+00	1.11E+00	3.21E-04	1.46E-02	4.69E-03	1.13E+00
5297	489863.09	3865877.25	1.06E+00	3.05E-04	1.96E-02	4.90E-03	1.09E+00	1.11E+00	3.12E+00	1.79E+00	1.68E-01	6.19E+00	1.11E+00	3.57E-04	1.96E-02	4.90E-03	1.13E+00
5298	490363.09	3865877.25	1.15E+00	3.46E-04	1.88E-02	4.25E-03	1.17E+00	1.20E+00	3.54E+00	1.72E+00	1.45E-01	6.60E+00	1.19E+00	4.05E-04	1.88E-02	4.25E-03	1.22E+00
5299	490863.09	3865877.25	1.09E+00	3.81E-04	9.49E-03	4.73E-03	1.10E+00	1.13E+00	3.89E+00	8.66E-01	1.62E-01	6.05E+00	1.13E+00	4.46E-04	9.49E-03	4.73E-03	1.15E+00
5300	491363.09	3865877.25	1.50E+00	3.93E-04	1.06E-02	5.79E-03	1.51E+00	1.56E+00	4.02E+00	9.69E-01	1.98E-01	6.75E+00	1.56E+00	4.60E-04	1.06E-02	5.79E-03	1.58E+00
5301	491863.09	3865877.25	1.70E+00	3.59E-04	1.21E-02	7.19E-03	1.72E+00	1.78E+00	3.66E+00	1.11E+00	2.46E-01	6.79E+00	1.77E+00	4.20E-04	1.21E-02	7.19E-03	1.79E+00
5302	492363.09	3865877.25	1.46E+00	3.34E-04	1.27E-02	1.13E-02	1.49E+00	1.53E+00	3.42E+00	1.16E+00	3.85E-01	6.48E+00	1.52E+00	3.91E-04	1.27E-02	1.13E-02	1.55E+00
5303	492863.09	3865877.25	1.45E+00	1.59E-04	1.45E-02	1.25E-02	1.48E+00	1.51E+00	1.62E+00	1.32E+00	4.27E-01	4.88E+00	1.51E+00	1.86E-04	1.45E-02	1.25E-02	1.54E+00

5304	493363.09	3865877.25	1.53E+00	1.79E-04	2.23E-02	1.34E-02	1.57E+00	1.60E+00	1.83E+00	2.03E+00	4.57E-01	5.91E+00	1.59E+00	2.09E-04	2.23E-02	1.34E-02	1.63E+00
5305	493863.09	3865877.25	1.72E+00	2.99E-04	3.21E-02	9.87E-03	1.76E+00	1.80E+00	3.06E+00	2.93E+00	3.38E-01	8.12E+00	1.79E+00	3.50E-04	3.21E-02	9.87E-03	1.84E+00
5306	494363.09	3865877.25	1.50E+00	4.48E-04	3.71E-02	1.19E-02	1.55E+00	1.56E+00	4.58E+00	3.38E+00	4.06E-01	9.93E+00	1.56E+00	5.24E-04	3.71E-02	1.19E-02	1.61E+00
5307	494863.09	3865877.25	1.12E+00	5.06E-04	2.70E-02	1.26E-02	1.16E+00	1.17E+00	5.17E+00	2.46E+00	4.31E-01	9.22E+00	1.16E+00	5.92E-04	2.70E-02	1.26E-02	1.20E+00
5308	495363.09	3865877.25	1.13E+00	5.72E-04	2.39E-02	1.15E-02	1.16E+00	1.18E+00	5.84E+00	2.18E+00	3.92E-01	9.59E+00	1.17E+00	6.69E-04	2.39E-02	1.15E-02	1.21E+00
5309	495863.09	3865877.25	1.15E+00	5.07E-04	2.35E-02	8.23E-03	1.18E+00	1.20E+00	5.18E+00	2.14E+00	2.81E-01	8.80E+00	1.20E+00	5.93E-04	2.35E-02	8.23E-03	1.23E+00
5310	496363.09	3865877.25	1.26E+00	4.75E-04	2.88E-02	5.92E-03	1.30E+00	1.31E+00	4.85E+00	2.63E+00	2.02E-01	9.00E+00	1.31E+00	5.55E-04	2.88E-02	5.92E-03	1.35E+00
5311	496863.09	3865877.25	1.20E+00	4.38E-04	3.29E-02	7.46E-03	1.24E+00	1.25E+00	4.48E+00	3.00E+00	2.55E-01	8.99E+00	1.25E+00	5.13E-04	3.29E-02	7.46E-03	1.29E+00
5312	497363.09	3865877.25	1.03E+00	4.30E-04	2.79E-02	8.31E-03	1.07E+00	1.07E+00	4.40E+00	2.54E+00	2.84E-01	8.30E+00	1.07E+00	5.03E-04	2.79E-02	8.31E-03	1.11E+00
5313	497863.09	3865877.25	9.44E-01	4.40E-04	1.92E-02	8.39E-03	9.72E-01	9.85E-01	4.50E+00	1.75E+00	2.87E-01	7.52E+00	9.83E-01	5.15E-04	1.92E-02	8.39E-03	1.01E+00
5314	498363.09	3865877.25	1.03E+00	4.11E-04	1.40E-02	9.90E-03	1.05E+00	1.08E+00	4.20E+00	1.28E+00	3.39E-01	6.89E+00	1.07E+00	4.81E-04	1.40E-02	9.90E-03	1.10E+00
5315	471363.09	3866377.25	4.71E-01	1.21E-04	1.89E-02	4.65E-03	4.95E-01	4.92E-01	1.24E+00	1.72E+00	1.59E-01	3.61E+00	4.91E-01	1.42E-04	1.89E-02	4.65E-03	5.15E-01
5316	471863.09	3866377.25	4.73E-01	1.21E-04	1.93E-02	4.65E-03	4.97E-01	4.94E-01	1.24E+00	1.76E+00	1.59E-01	3.65E+00	4.93E-01	1.42E-04	1.93E-02	4.65E-03	5.17E-01
5317	472363.09	3866377.25	4.78E-01	1.22E-04	1.95E-02	4.58E-03	5.02E-01	4.98E-01	1.25E+00	1.78E+00	1.57E-01	3.68E+00	4.97E-01	1.43E-04	1.95E-02	4.58E-03	5.21E-01
5318	472863.09	3866377.25	4.60E-01	1.24E-04	1.76E-02	4.48E-03	4.83E-01	4.80E-01	1.26E+00	1.61E+00	1.53E-01	3.50E+00	4.79E-01	1.45E-04	1.76E-02	4.48E-03	5.02E-01
5319	473363.09	3866377.25	4.72E-01	1.27E-04	1.62E-02	4.18E-03	4.92E-01	4.92E-01	1.29E+00	1.48E+00	1.43E-01	3.40E+00	4.91E-01	1.48E-04	1.62E-02	4.18E-03	5.12E-01
5320	473863.09	3866377.25	4.74E-01	1.28E-04	1.71E-02	4.12E-03	4.95E-01	4.94E-01	1.31E+00	1.56E+00	1.41E-01	3.51E+00	4.93E-01	1.50E-04	1.71E-02	4.12E-03	5.15E-01
5321	474363.09	3866377.25	5.08E-01	1.28E-04	1.83E-02	3.98E-03	5.31E-01	5.30E-01	1.31E+00	1.67E+00	1.36E-01	3.65E+00	5.29E-01	1.50E-04	1.83E-02	3.98E-03	5.52E-01
5322	474863.09	3866377.25	5.48E-01	1.27E-04	1.94E-02	4.02E-03	5.71E-01	5.71E-01	1.30E+00	1.77E+00	1.37E-01	3.77E+00	5.70E-01	1.49E-04	1.94E-02	4.02E-03	5.94E-01
5323	475363.09	3866377.25	5.66E-01	1.26E-04	1.96E-02	4.25E-03	5.90E-01	5.90E-01	1.29E+00	1.79E+00	1.46E-01	3.81E+00	5.89E-01	1.47E-04	1.96E-02	4.25E-03	6.13E-01
5324	475863.09	3866377.25	5.62E-01	1.25E-04	1.89E-02	4.29E-03	5.85E-01	5.86E-01	1.28E+00	1.72E+00	1.47E-01	3.73E+00	5.85E-01	1.47E-04	1.89E-02	4.29E-03	6.08E-01
5325	476363.09	3866377.25	5.62E-01	1.25E-04	1.90E-02	4.04E-03	5.85E-01	5.87E-01	1.28E+00	1.73E+00	1.38E-01	3.73E+00	5.85E-01	1.46E-04	1.90E-02	4.04E-03	6.09E-01
5326	476863.09	3866377.25	5.66E-01	1.09E-04	2.45E-02	4.56E-03	5.95E-01	5.90E-01	1.12E+00	2.23E+00	1.56E-01	4.09E+00	5.89E-01	1.28E-04	2.45E-02	4.56E-03	6.18E-01
5327	477363.09	3866377.25	5.45E-01	1.26E-04	2.61E-02	4.32E-03	5.76E-01	5.69E-01	1.29E+00	2.38E+00	1.48E-01	4.39E+00	5.68E-01	1.48E-04	2.61E-02	4.32E-03	5.99E-01
5328	477863.09	3866377.25	5.61E-01	1.30E-04	2.79E-02	5.02E-03	5.95E-01	5.86E-01	1.33E+00	2.55E+00	1.72E-01	4.64E+00	5.85E-01	1.53E-04	2.79E-02	5.02E-03	6.18E-01
5329	478363.09	3866377.25	5.64E-01	1.36E-04	2.57E-02	5.23E-03	5.95E-01	5.89E-01	1.39E+00	2.35E+00	1.79E-01	4.50E+00	5.87E-01	1.59E-04	2.57E-02	5.23E-03	6.18E-01
5330	478863.09	3866377.25	5.58E-01	1.41E-04	2.17E-02	4.98E-03	5.85E-01	5.82E-01	1.44E+00	1.98E+00	1.70E-01	4.17E+00	5.81E-01	1.64E-04	2.17E-02	4.98E-03	6.08E-01
5331	479363.09	3866377.25	5.64E-01	1.42E-04	1.95E-02	4.93E-03	5.88E-01	5.88E-01	1.45E+00	1.78E+00	1.69E-01	3.98E+00	5.87E-01	1.66E-04	1.95E-02	4.93E-03	6.11E-01
5332	479863.09	3866377.25	5.72E-01	1.43E-04	1.75E-02	5.22E-03	5.95E-01	5.97E-01	1.46E+00	1.60E+00	1.78E-01	3.83E+00	5.96E-01	1.67E-04	1.75E-02	5.22E-03	6.19E-01
5333	480363.09	3866377.25	5.80E-01	1.48E-04	1.80E-02	5.09E-03	6.03E-01	6.05E-01	1.51E+00	1.65E+00	1.74E-01	3.94E+00	6.04E-01	1.73E-04	1.80E-02	5.09E-03	6.27E-01
5334	480863.09	3866377.25	6.04E-01	1.66E-04	1.76E-02	4.62E-03	6.26E-01	6.30E-01	1.70E+00	1.60E+00	1.58E-01	4.09E+00	6.29E-01	1.94E-04	1.76E-02	4.62E-03	6.51E-01
5335	481363.09	3866377.25	6.07E-01	1.82E-04	1.52E-02	4.13E-03	6.26E-01	6.33E-01	1.86E+00	1.39E+00	1.41E-01	4.02E+00	6.32E-01	2.12E-04	1.52E-02	4.13E-03	6.52E-01
5336	481863.09	3866377.25	5.81E-01	1.83E-04	1.26E-02	4.09E-03	5.98E-01	6.06E-01	1.87E+00	1.15E+00	1.40E-01	3.76E+00	6.05E-01	2.14E-04	1.26E-02	4.09E-03	6.22E-01
5337	482363.09	3866377.25	5.95E-01	1.86E-04	1.58E-02	4.57E-03	6.15E-01	6.21E-01	1.90E+00	1.44E+00	1.56E-01	4.11E+00	6.20E-01	2.17E-04	1.58E-02	4.57E-03	6.40E-01
5338	482863.09	3866377.25	6.26E-01	1.98E-04	3.05E-02	5.31E-03	6.62E-01	6.53E-01	2.02E+00	2.78E+00	1.82E-01	5.63E+00	6.52E-01	2.31E-04	3.05E-02	5.31E-03	6.88E-01
5339	483363.09	3866377.25	7.20E-01	2.03E-04	3.85E-02	5.35E-03	7.64E-01	7.51E-01	2.08E+00	3.51E+00	1.83E-01	6.52E+00	7.50E-01	2.38E-04	3.85E-02	5.35E-03	7.94E-01
5340	483863.09	3866377.25	8.25E-01	1.92E-04	2.62E-02	4.28E-03	8.56E-01	8.61E-01	1.97E+00	2.39E+00	1.47E-01	5.37E+00	8.59E-01	2.25E-04	2.62E-02	4.28E-03	8.90E-01
5341	484363.09	3866377.25	8.29E-01	1.94E-04	1.58E-02	5.41E-03	8.50E-01	8.65E-01	1.98E+00	1.44E+00	1.85E-01	4.47E+00	8.63E-01	2.26E-04	1.58E-02	5.41E-03	8.84E-01
5342	484863.09	3866377.25	8.71E-01	2.16E-04	1.22E-02	5.72E-03	8.89E-01	9.09E-01	2.20E+00	1.11E+00	1.96E-01	4.42E+00	9.07E-01	2.52E-04	1.22E-02	5.72E-03	9.25E-01
5343	485363.09	3866377.25	8.71E-01	2.39E-04	1.76E-02	4.01E-03	8.93E-01	9.09E-01	2.44E+00	1.60E+00	1.37E-01	5.10E+00	9.07E-01	2.80E-04	1.76E-02	4.01E-03	9.29E-01
5344	485863.09	3866377.25	7.86E-01	2.48E-04	1.52E-02	3.94E-03	8.06E-01	8.20E-01	2.53E+00	1.39E+00	1.35E-01	4.88E+00	8.19E-01	2.90E-04	1.52E-02	3.94E-03	8.38E-01
5345	486363.09	3866377.25	7.78E-01	2.48E-04	1.60E-02	5.40E-03	7.99E-01	8.11E-01	2.53E+00	1.46E+00	1.85E-01	4.99E+00	8.10E-01	2.90E-04	1.60E-02	5.40E-03	8.32E-01
5346	486863.09	3866377.25	8.19E-01	2.58E-04	2.70E-02	5.14E-03	8.52E-01	8.55E-01	2.64E+00	2.46E+00	1.76E-01	6.13E+00	8.53E-01	3.02E-04	2.70E-02	5.14E-03	8.86E-01
5347	487363.09	3866377.25	9.24E-01	3.00E-04	3.47E-02	6.16E-03	9.65E-01	9.64E-01	3.06E+00	3.16E+00	2.11E-01	7.40E+00	9.63E-01	3.51E-04	3.47E-02	6.16E-03	1.00E+00
5348	487863.09	3866377.25	9.10E-01	2.73E-04	2.76E-02	6.62E-03	9.44E-01	9.49E-01	2.79E+00	2.52E+00	2.26E-01	6.49E+00	9.47E-01	3.19E-04	2.76E-02	6.62E-03	9.82E-01
5349	488363.09	3866377.25	9.44E-01	2.61E-04	2.69E-02	5.58E-03	9.76E-01	9.85E-01	2.67E+00	2.45E+00	1.91E-01	6.30E+00	9.83E-01	3.05E-04	2.69E-02	5.58E-03	1.02E+00
5350	488863.09	3866377.25	9.77E-01	2.66E-04	1.74E-02	4.75E-03	1.00E+00	1.02E+00	2.71E+00	1.59E+00	1.62E-01	5.48E+00	1.02E+00	3.11E-04	1.74E-02	4.75E-03	1.04E+00
5351	489363.09	3866377.25	1.03E+00	2.64E-04	1.41E-02	4.54E-03	1.04E+00	1.07E+00	2.70E+00	1.29E+00	1.55E-01	5.21E+00	1.07E+00	3.09E-04	1.41E-02	4.54E-03	1.09E+00
5352	489863.09	3866377.25	1.07E+00	2.71E-04	2.06E-02	5.93E-03	1.09E+00	1.11E+00	2.77E+00	1.88E+00	2.03E-01	5.96E+00	1.11E+00	3.17E-04	2.06E-02	5.93E-03	1.14E+00
5353	490363.09	3866377.25	1.08E+00	3.16E-04	2.12E-02	3.97E-03	1.10E+00	1.12E+00	3.23E+00	1.93E+00	1.36E-01	6.42E+00	1.12E+00	3.70E-04	2.12E-02	3.97E-03	1.15E+00
5354	490863.09	3866377.25	1.03E+00	3.40E-04	1.17E-02	4.20E-03	1.05E+00	1.07E+00	3.47E+00	1.07E+00	1.44E-01	5.76E+00	1.07E+00	3.97E-04	1.17E-02	4.20E-03	1.09E+00
5355	491363.09	3866377.25	1.10E+00	4.20E-04	9.38E-03	4.91E-03	1.11E+00	1.14E+00	4.29E+00	8.56E-01	1.68E-01	6.46E+00	1.14E+00	4.91E-04	9.38E-03	4.91E-03	1.16E+00
5356	491863.09	3866377.25	1.70E+00	3.20E-04	1.08E-02	7.10E-03	1.72E+00	1.78E+00	3.26E+00	9.81E-01	2.43E-01	6.27E+00	1.77E+00	3.74E-04	1.08E-02	7.10E-03	1.79E+00
5357	492363.09	3866377.25	1.67E+00	3.09E-04	1.19E-02	8.49E-03	1.69E+00	1.74E+00	3.16E+00	1.09E+00	2.90E-01	6.28E+00	1.74E+00	3.62E-04	1.19E-02	8.49E-03	1.76E+00
5358	492863.09	3866377.25	1.32E+00	2.39E-04	1.27E-02	1.36E-02	1.35E+00	1.38E+00	2.45E+00	1.16E+00	4.64E-01	5.44E+00	1.37E+00	2.80E-04	1.27E-02	1.36E-02	1.40E+00
5359	493363.09	3866377.25	1.46E+00	2.68E-04	1.59E-02	1.48E-02	1.49E+00	1.52E+00	2.74E+00	1.45E+00	5.05E-01	6.21E+00	1.52E+00	3.13E-04	1.59E-02	1.48E-02	1.55E+00
5360	493863.09	3866377.25	1.63E+00	3.57E-04	1.84E-02	1.24E-02	1.66E+00	1.70E+00	3.65E+00	1.68E+00	4.24E-01	7.45E+00	1.69E+00	4.18E-04	1.84E-02	1.24E-02	1.72E+00
5361	494363.09	3866377.25	1.39E+00	4.97E-04	2.01E-02	8.88E-03	1.42E+00	1.45E+00	5.07E+00	1.83E+00	3.04E-01	8.66E+00	1.45E+00	5.81E-04	2.01E-02	8.88E-03	1.48E+00
5362	494863.09	3866377.25	1.28E+00	5.19E-04	2.80E-02	1.06E-02	1.32E+00	1.34E+00	5.30E+00	2.55E+00	3.63E-01	9.55E+00	1.34E+00	6.07E-04	2.80E-02	1.06E-02	1.38E+00
5363	495363.09	3866377.25	1.35E+00	4.22E-04	2.98E-02	1.21E-02	1.40E+00	1.41E+00	4.32E+00	2.72E+00	4.12E-01	8.86E+00	1.41E+00	4.94E-04	2.98E-02	1.21E-02	1.45E+00
5364	495863.09	3866377.25	1.45E+00	4.50E-04	2.19E-02	1.15E-02	1.48E+00	1.51E+00	4.60E+00	2.00E+00	3.92E-01	8.51E+00	1.51E+00	5.27E-04	2.19E-02	1.15E-02	1.54E+00

5365	496363.09	3866377.25	1.52E+00	4.22E-04	2.22E-02	8.41E-03	1.55E+00	1.58E+00	4.31E+00	2.02E+00	2.88E-01	8.21E+00	1.58E+00	4.94E-04	2.22E-02	8.41E-03	1.61E+00
5366	496863.09	3866377.25	1.52E+00	3.68E-04	2.93E-02	5.70E-03	1.55E+00	1.58E+00	3.76E+00	2.68E+00	1.95E-01	8.21E+00	1.58E+00	4.30E-04	2.93E-02	5.70E-03	1.62E+00
5367	497363.09	3866377.25	1.27E+00	3.81E-04	3.21E-02	7.58E-03	1.31E+00	1.33E+00	3.89E+00	2.93E+00	2.59E-01	8.41E+00	1.33E+00	4.46E-04	3.21E-02	7.58E-03	1.37E+00
5368	497863.09	3866377.25	1.28E+00	3.74E-04	2.84E-02	9.24E-03	1.32E+00	1.33E+00	3.83E+00	2.59E+00	3.16E-01	8.07E+00	1.33E+00	4.38E-04	2.84E-02	9.24E-03	1.37E+00
5369	498363.09	3866377.25	1.33E+00	2.80E-04	1.96E-02	1.10E-02	1.36E+00	1.39E+00	2.86E+00	1.79E+00	3.78E-01	6.42E+00	1.39E+00	3.28E-04	1.96E-02	1.10E-02	1.42E+00
5370	474494.92	3848334.16	1.44E+00	2.80E-04	6.18E-03	4.51E-03	1.45E+00	1.51E+00	2.86E+00	5.64E-01	1.54E-01	5.08E+00	1.50E+00	3.27E-04	6.18E-03	4.51E-03	1.51E+00
5371	475167.27	3848920.79	1.45E+00	3.04E-04	6.61E-03	4.76E-03	1.46E+00	1.51E+00	3.10E+00	6.03E-01	1.63E-01	5.38E+00	1.51E+00	3.55E-04	6.61E-03	4.76E-03	1.52E+00
5372	475297.89	3848997.96	1.48E+00	3.06E-04	6.67E-03	4.80E-03	1.49E+00	1.54E+00	3.13E+00	6.08E-01	1.64E-01	5.45E+00	1.54E+00	3.58E-04	6.67E-03	4.80E-03	1.55E+00
5373	475439.05	3849062	1.50E+00	2.97E-04	6.71E-03	4.84E-03	1.52E+00	1.57E+00	3.04E+00	6.12E-01	1.66E-01	5.38E+00	1.57E+00	3.48E-04	6.71E-03	4.84E-03	1.58E+00
5374	475486.86	3849061.09	1.53E+00	2.95E-04	6.70E-03	4.85E-03	1.54E+00	1.59E+00	3.01E+00	6.11E-01	1.66E-01	5.38E+00	1.59E+00	3.45E-04	6.70E-03	4.85E-03	1.60E+00
5375	475538.46	3849075.56	1.58E+00	2.97E-04	6.72E-03	4.86E-03	1.59E+00	1.65E+00	3.04E+00	6.13E-01	1.66E-01	5.46E+00	1.64E+00	3.48E-04	6.72E-03	4.86E-03	1.66E+00
5376	475751.79	3849137.15	1.77E+00	3.31E-04	6.89E-03	4.89E-03	1.78E+00	1.85E+00	3.38E+00	6.28E-01	1.67E-01	6.02E+00	1.84E+00	3.87E-04	6.89E-03	4.89E-03	1.85E+00
5377	476303.62	3849223.38	1.82E+00	3.84E-04	7.53E-03	4.83E-03	1.84E+00	1.90E+00	3.92E+00	6.87E-01	1.65E-01	6.68E+00	1.90E+00	4.49E-04	7.53E-03	4.83E-03	1.91E+00
5378	476304.51	3849238.92	1.83E+00	3.87E-04	7.52E-03	4.84E-03	1.85E+00	1.91E+00	3.95E+00	6.86E-01	1.66E-01	6.72E+00	1.91E+00	4.52E-04	7.52E-03	4.84E-03	1.92E+00
5379	476365.04	3849247.98	1.82E+00	3.90E-04	7.60E-03	4.84E-03	1.83E+00	1.90E+00	3.98E+00	6.93E-01	1.66E-01	6.74E+00	1.89E+00	4.56E-04	7.60E-03	4.84E-03	1.90E+00
5380	476444.86	3849267.13	1.79E+00	3.82E-04	7.69E-03	4.84E-03	1.80E+00	1.87E+00	3.91E+00	7.01E-01	1.66E-01	6.64E+00	1.87E+00	4.47E-04	7.69E-03	4.84E-03	1.88E+00
5381	476550.75	3849300.66	1.73E+00	4.05E-04	7.81E-03	4.84E-03	1.74E+00	1.80E+00	4.14E+00	7.12E-01	1.65E-01	6.82E+00	1.80E+00	4.74E-04	7.81E-03	4.84E-03	1.81E+00
5382	476656.71	3849346.88	1.73E+00	4.23E-04	7.91E-03	4.84E-03	1.74E+00	1.80E+00	4.32E+00	7.22E-01	1.65E-01	7.01E+00	1.80E+00	4.95E-04	7.91E-03	4.84E-03	1.81E+00
5383	476873.55	3849454.53	1.77E+00	4.55E-04	8.12E-03	4.84E-03	1.79E+00	1.85E+00	4.65E+00	7.41E-01	1.65E-01	7.41E+00	1.85E+00	5.33E-04	8.12E-03	4.84E-03	1.86E+00
5384	477700	3849859.7	1.97E+00	5.63E-04	9.33E-03	4.68E-03	1.98E+00	2.05E+00	5.75E+00	8.51E-01	1.60E-01	8.82E+00	2.05E+00	6.59E-04	9.33E-03	4.68E-03	2.06E+00
5385	477743.16	3849856.38	2.02E+00	5.45E-04	9.46E-03	4.62E-03	2.03E+00	2.10E+00	5.56E+00	8.63E-01	1.58E-01	8.69E+00	2.10E+00	6.37E-04	9.46E-03	4.62E-03	2.11E+00
5386	478477.35	3850216.33	1.94E+00	5.04E-04	1.05E-02	4.67E-03	1.96E+00	2.03E+00	5.15E+00	9.62E-01	1.60E-01	8.30E+00	2.02E+00	5.90E-04	1.05E-02	4.67E-03	2.04E+00
5387	478485.8	3850201.6	1.91E+00	4.99E-04	1.06E-02	4.69E-03	1.92E+00	1.99E+00	5.10E+00	9.66E-01	1.60E-01	8.21E+00	1.99E+00	5.84E-04	1.06E-02	4.69E-03	2.00E+00
5388	479113.21	3850501.53	1.76E+00	5.33E-04	1.14E-02	4.86E-03	1.78E+00	1.84E+00	5.44E+00	1.04E+00	1.66E-01	8.49E+00	1.84E+00	6.23E-04	1.14E-02	4.86E-03	1.85E+00
5389	479108.11	3850382.28	1.85E+00	5.02E-04	1.14E-02	5.02E-03	1.86E+00	1.93E+00	5.13E+00	1.04E+00	1.72E-01	8.26E+00	1.92E+00	5.87E-04	1.14E-02	5.02E-03	1.94E+00
5390	479689.85	3850674.28	2.60E+00	4.40E-04	1.19E-02	5.86E-03	2.62E+00	2.72E+00	4.49E+00	1.08E+00	2.00E-01	8.49E+00	2.71E+00	5.14E-04	1.19E-02	5.86E-03	2.73E+00
5391	479952.42	3850774.28	2.91E+00	4.20E-04	1.19E-02	5.88E-03	2.93E+00	3.03E+00	4.29E+00	1.09E+00	2.01E-01	8.61E+00	3.03E+00	4.91E-04	1.19E-02	5.88E-03	3.05E+00
5392	479911.32	3850884.85	2.40E+00	4.61E-04	1.22E-02	5.62E-03	2.41E+00	2.50E+00	4.71E+00	1.11E+00	1.92E-01	8.51E+00	2.49E+00	5.39E-04	1.22E-02	5.62E-03	2.51E+00
5393	480500.92	3851178.12	2.88E+00	4.13E-04	1.24E-02	5.31E-03	2.89E+00	3.00E+00	4.22E+00	1.13E+00	1.81E-01	8.53E+00	2.99E+00	4.83E-04	1.24E-02	5.31E-03	3.01E+00
5394	480738.01	3851289.27	2.94E+00	4.20E-04	1.24E-02	5.25E-03	2.96E+00	3.07E+00	4.29E+00	1.13E+00	1.79E-01	8.67E+00	3.06E+00	4.92E-04	1.24E-02	5.25E-03	3.08E+00
5395	481055.42	3851443.58	3.02E+00	3.87E-04	1.23E-02	5.40E-03	3.04E+00	3.15E+00	3.95E+00	1.12E+00	1.85E-01	8.41E+00	3.15E+00	4.53E-04	1.23E-02	5.40E-03	3.17E+00
5396	481110.22	3851443.15	3.27E+00	3.87E-04	1.21E-02	5.46E-03	3.28E+00	3.41E+00	3.96E+00	1.10E+00	1.87E-01	8.65E+00	3.40E+00	4.53E-04	1.21E-02	5.46E-03	3.42E+00
5397	481111.1	3851417.45	3.36E+00	3.85E-04	1.20E-02	5.52E-03	3.38E+00	3.51E+00	3.93E+00	1.09E+00	1.89E-01	8.72E+00	3.50E+00	4.51E-04	1.20E-02	5.52E-03	3.52E+00
5398	482248.44	3852605.09	4.12E+00	4.84E-04	1.46E-02	6.33E-03	4.14E+00	4.29E+00	4.95E+00	1.33E+00	2.16E-01	1.08E+01	4.29E+00	5.67E-04	1.46E-02	6.33E-03	4.31E+00
5399	482273.34	3852632.31	4.13E+00	4.90E-04	1.46E-02	6.40E-03	4.15E+00	4.31E+00	5.00E+00	1.33E+00	2.19E-01	1.09E+01	4.30E+00	5.73E-04	1.46E-02	6.40E-03	4.32E+00
5400	482665.46	3853038.72	4.84E+00	5.22E-04	1.57E-02	7.14E-03	4.87E+00	5.05E+00	5.34E+00	1.43E+00	2.44E-01	1.21E+01	5.05E+00	6.11E-04	1.57E-02	7.14E-03	5.07E+00
5401	483077.95	3853844.31	4.90E+00	4.75E-04	1.80E-02	9.78E-03	4.93E+00	5.12E+00	4.85E+00	1.64E+00	3.34E-01	1.19E+01	5.11E+00	5.55E-04	1.80E-02	9.78E-03	5.13E+00
5402	483121.38	3853909.38	5.14E+00	4.62E-04	1.80E-02	1.00E-02	5.16E+00	5.36E+00	4.72E+00	1.65E+00	3.44E-01	1.21E+01	5.35E+00	5.40E-04	1.80E-02	1.00E-02	5.38E+00
5403	483492.64	3853911.49	6.02E+00	4.00E-04	1.85E-02	8.63E-03	6.05E+00	6.29E+00	4.09E+00	1.69E+00	2.95E-01	1.24E+01	6.27E+00	4.68E-04	1.85E-02	8.63E-03	6.30E+00
5404	483498.29	3854204.73	5.82E+00	4.23E-04	1.91E-02	1.26E-02	5.85E+00	6.08E+00	4.32E+00	1.75E+00	4.31E-01	1.26E+01	6.06E+00	4.95E-04	1.91E-02	1.26E-02	6.10E+00
5405	484132.44	3854662.55	6.34E+00	2.10E-04	2.13E-02	1.75E-02	6.38E+00	6.62E+00	2.15E+00	1.94E+00	6.00E-01	1.13E+01	6.61E+00	2.46E-04	2.13E-02	1.75E-02	6.64E+00
5406	484627.62	3854876.13	7.33E+00	2.03E-04	2.23E-02	1.74E-02	7.37E+00	7.65E+00	2.07E+00	2.03E+00	5.96E-01	1.24E+01	7.64E+00	2.37E-04	2.23E-02	1.74E-02	7.68E+00
5407	484756.14	3854949.04	7.41E+00	2.08E-04	2.25E-02	1.25E-02	7.44E+00	7.73E+00	2.13E+00	2.05E+00	4.28E-01	1.23E+01	7.71E+00	2.44E-04	2.25E-02	1.25E-02	7.75E+00
5408	486697.51	3856599.17	8.51E+00	2.52E-04	3.45E-02	2.33E-02	8.57E+00	8.88E+00	2.57E+00	3.15E+00	7.97E-01	1.54E+01	8.86E+00	2.95E-04	3.45E-02	2.33E-02	8.92E+00
5409	487105.31	3856962.27	9.30E+00	2.70E-04	4.16E-02	1.47E-02	9.36E+00	9.71E+00	2.76E+00	3.80E+00	5.02E-01	1.68E+01	9.69E+00	3.16E-04	4.16E-02	1.47E-02	9.75E+00
5410	487157.57	3856901.7	7.70E+00	3.10E-04	4.10E-02	1.55E-02	7.76E+00	8.03E+00	3.17E+00	3.74E+00	5.30E-01	1.55E+01	8.02E+00	3.62E-04	4.10E-02	1.55E-02	8.08E+00
5411	487173.5	3856853.74	7.34E+00	3.22E-04	3.93E-02	1.62E-02	7.40E+00	7.66E+00	3.29E+00	3.58E+00	5.54E-01	1.51E+01	7.64E+00	3.77E-04	3.93E-02	1.62E-02	7.70E+00
5412	487564.41	3856860.83	5.93E+00	3.74E-04	6.28E-02	1.52E-02	6.01E+00	6.19E+00	3.82E+00	5.73E+00	5.21E-01	1.63E+01	6.18E+00	4.37E-04	6.28E-02	1.52E-02	6.26E+00
5413	487563.31	3856931.58	6.12E+00	3.83E-04	6.06E-02	1.36E-02	6.20E+00	6.39E+00	3.91E+00	5.52E+00	4.65E-01	1.63E+01	6.38E+00	4.48E-04	6.06E-02	1.36E-02	6.45E+00
5414	487782.7	3856926.85	5.54E+00	3.97E-04	7.94E-02	1.26E-02	5.63E+00	5.78E+00	4.05E+00	7.24E+00	4.32E-01	1.75E+01	5.76E+00	4.64E-04	7.94E-02	1.26E-02	5.86E+00
5415	487782.39	3856757.07	5.21E+00	3.69E-04	7.81E-02	1.48E-02	5.31E+00	5.44E+00	3.77E+00	7.13E+00	5.05E-01	1.68E+01	5.43E+00	4.32E-04	7.81E-02	1.48E-02	5.52E+00
5416	487917.26	3856752.41	4.95E+00	3.86E-04	6.81E-02	1.36E-02	5.03E+00	5.16E+00	3.95E+00	6.21E+00	4.64E-01	1.58E+01	5.15E+00	4.52E-04	6.81E-02	1.36E-02	5.23E+00
5417	487919.57	3856953.35	5.28E+00	4.12E-04	8.00E-02	1.15E-02	5.38E+00	5.51E+00	4.21E+00	7.30E+00	3.92E-01	1.74E+01	5.50E+00	4.82E-04	8.00E-02	1.15E-02	5.59E+00
5418	487932.76	3857000.32	5.35E+00	4.15E-04	8.10E-02	1.06E-02	5.44E+00	5.58E+00	4.24E+00	7.39E+00	3.63E-01	1.76E+01	5.57E+00	4.86E-04	8.10E-02	1.06E-02	5.67E+00
5419	487960.5	3857044.75	5.38E+00	4.24E-04	7.81E-02	9.96E-03	5.46E+00	5.61E+00	4.33E+00	7.13E+00	3.40E-01	1.74E+01	5.60E+00	4.96E-04	7.81E-02	9.96E-03	5.69E+00
5420	488016.54	3857089.54	5.32E+00	4.35E-04	6.42E-02	9.48E-03	5.40E+00	5.55E+00	4.45E+00	5.86E+00	3.24E-01	1.62E+01	5.54E+00	5.09E-04	6.42E-02	9.48E-03	5.62E+00
5421	488114.39	3857165.47	5.25E+00	4.86E-04	6.54E-02	8.88E-03	5.33E+00	5.48E+00	4.96E+00	5.96E+00	3.04E-01	1.67E+01	5.47E+00	5.68E-04	6.54E-02	8.88E-03	5.54E+00
5422	488171.49	3857234.24	5.28E+00	5.24E-04	8.12E-02	8.91E-03	5.37E+00	5.51E+00	5.35E+00	7.40E+00	3.05E-01	1.86E+01	5.50E+00	6.13E-04	8.12E-02	8.91E-03	5.59E+00
5423	488193.16	3857297.8	5.41E+00	5.59E-04	8.87E-02	9.48E-03	5.51E+00	5.64E+00	5.71E+00	8.09E+00	3.24E-01	1.98E+01	5.63E+00	6.53E-04	8.87E-02	9.48E-03	5.73E+00
5424	488189.27	3857649.94	5.59E+00	7.07E-04	1.45E-01	1.34E-02	5.75E+00	5.83E+00	7.22E+00	1.32E+01	4.58E-01	2.67E+01	5.82E+00	8.27E-04	1.45E-01	1.34E-02	5.98E+00
5425	488127.43	3857732.32	5.52E+00	7.04E-04	2.00E-01	1.38E-02	5.74E+00	5.76E+00	7.19E+00	1.83E+01	4.73E-01	3.17E+01	5.75E+00	8.23E-04	2.00E-01	1.38E-02	5.96E+00

5426	488149.93	3857752.94	5.49E+00	7.12E-04	1.97E-01	1.47E-02	5.70E+00	5.72E+00	7.27E+00	1.80E+01	5.02E-01	3.15E+01	5.71E+00	8.33E-04	1.97E-01	1.47E-02	5.92E+00
5427	488144.76	3857758.71	5.48E+00	7.09E-04	2.04E-01	1.47E-02	5.70E+00	5.71E+00	7.25E+00	1.86E+01	5.03E-01	3.21E+01	5.70E+00	8.30E-04	2.04E-01	1.47E-02	5.92E+00
5428	488335.58	3857932.55	5.09E+00	8.14E-04	2.71E-01	1.20E-02	5.38E+00	5.31E+00	8.32E+00	2.47E+01	4.12E-01	3.88E+01	5.30E+00	9.52E-04	2.71E-01	1.20E-02	5.59E+00
5429	488372.29	3857943.79	5.08E+00	8.06E-04	2.69E-01	1.31E-02	5.36E+00	5.30E+00	8.23E+00	2.46E+01	4.47E-01	3.86E+01	5.29E+00	9.43E-04	2.69E-01	1.31E-02	5.57E+00
5430	488828.64	3857936.4	4.89E+00	8.09E-04	1.98E-01	1.58E-02	5.10E+00	5.10E+00	8.26E+00	1.80E+01	5.40E-01	3.19E+01	5.09E+00	9.46E-04	1.98E-01	1.58E-02	5.30E+00
5431	488829.08	3857959.58	4.90E+00	8.15E-04	1.94E-01	1.61E-02	5.11E+00	5.11E+00	8.33E+00	1.77E+01	5.51E-01	3.17E+01	5.10E+00	9.54E-04	1.94E-01	1.61E-02	5.31E+00
5432	488351.61	3857964.55	4.99E+00	8.25E-04	2.85E-01	1.35E-02	5.29E+00	5.21E+00	8.42E+00	2.60E+01	4.62E-01	4.01E+01	5.20E+00	9.65E-04	2.85E-01	1.35E-02	5.50E+00
5433	488316.87	3857947.65	5.01E+00	8.25E-04	2.76E-01	1.24E-02	5.29E+00	5.22E+00	8.43E+00	2.52E+01	4.22E-01	3.93E+01	5.21E+00	9.66E-04	2.76E-01	1.24E-02	5.50E+00
5434	488129.1	3857775.77	5.42E+00	7.05E-04	2.19E-01	1.49E-02	5.66E+00	5.66E+00	7.20E+00	1.99E+01	5.09E-01	3.33E+01	5.65E+00	8.25E-04	2.19E-01	1.49E-02	5.88E+00
5435	488062.53	3857846.13	5.37E+00	7.00E-04	2.56E-01	1.56E-02	5.64E+00	5.60E+00	7.15E+00	2.34E+01	5.35E-01	3.67E+01	5.59E+00	8.19E-04	2.56E-01	1.56E-02	5.87E+00
5436	488330.41	3858091.34	4.56E+00	8.61E-04	4.06E-01	1.86E-02	4.99E+00	4.76E+00	8.80E+00	3.71E+01	6.36E-01	5.13E+01	4.75E+00	1.01E-03	4.06E-01	1.86E-02	5.17E+00
5437	488470.87	3858174.45	4.39E+00	9.18E-04	3.02E-01	1.84E-02	4.71E+00	4.58E+00	9.38E+00	2.75E+01	6.31E-01	4.21E+01	4.57E+00	1.07E-03	3.02E-01	1.84E-02	4.89E+00
5438	488568.9	3858262.31	4.11E+00	1.01E-03	2.49E-01	1.38E-02	4.37E+00	4.29E+00	1.03E+01	2.27E+01	4.71E-01	3.78E+01	4.28E+00	1.18E-03	2.49E-01	1.38E-02	4.54E+00
5439	488964.27	3858025.71	4.77E+00	8.14E-04	1.70E-01	1.52E-02	4.95E+00	4.97E+00	8.32E+00	1.55E+01	5.20E-01	2.93E+01	4.96E+00	9.53E-04	1.70E-01	1.52E-02	5.15E+00
5440	489147.25	3857956.64	4.77E+00	7.23E-04	1.40E-01	1.50E-02	4.93E+00	4.98E+00	7.39E+00	1.28E+01	5.12E-01	2.57E+01	4.97E+00	8.46E-04	1.40E-01	1.50E-02	5.12E+00
5441	489343.52	3857932.45	4.58E+00	6.46E-04	1.19E-01	1.32E-02	4.71E+00	4.78E+00	6.60E+00	1.09E+01	4.51E-01	2.27E+01	4.77E+00	7.56E-04	1.19E-01	1.32E-02	4.90E+00
5442	489866.19	3857923.19	3.83E+00	4.88E-04	9.85E-02	8.59E-03	3.94E+00	4.00E+00	4.99E+00	8.98E+00	2.94E-01	1.83E+01	3.99E+00	5.71E-04	9.85E-02	8.59E-03	4.10E+00
5443	489955.65	3857902.27	3.70E+00	4.43E-04	9.61E-02	8.83E-03	3.81E+00	3.86E+00	4.53E+00	8.76E+00	3.02E-01	1.75E+01	3.85E+00	5.19E-04	9.61E-02	8.83E-03	3.96E+00
5444	490079.44	3857847.9	3.46E+00	4.25E-04	9.25E-02	8.78E-03	3.56E+00	3.61E+00	4.35E+00	8.44E+00	3.00E-01	1.67E+01	3.60E+00	4.98E-04	9.25E-02	8.78E-03	3.70E+00
5445	490108.49	3857934.13	3.53E+00	4.16E-04	9.30E-02	9.31E-03	3.63E+00	3.68E+00	4.25E+00	8.49E+00	3.18E-01	1.67E+01	3.67E+00	4.86E-04	9.30E-02	9.31E-03	3.77E+00
5446	489884.48	3858014.17	3.91E+00	4.80E-04	1.02E-01	9.03E-03	4.02E+00	4.08E+00	4.91E+00	9.26E+00	3.09E-01	1.86E+01	4.07E+00	5.62E-04	1.02E-01	9.03E-03	4.18E+00
5447	489326.56	3858025.86	4.65E+00	6.92E-04	1.25E-01	1.20E-02	4.79E+00	4.86E+00	7.07E+00	1.14E+01	4.10E-01	2.37E+01	4.85E+00	8.10E-04	1.25E-01	1.20E-02	4.98E+00
5448	489130.38	3858056.71	4.69E+00	7.40E-04	1.51E-01	1.34E-02	4.86E+00	4.90E+00	7.56E+00	1.37E+01	4.57E-01	2.66E+01	4.89E+00	8.66E-04	1.51E-01	1.34E-02	5.05E+00
5449	488936.49	3858143.93	4.68E+00	8.61E-04	1.70E-01	1.31E-02	4.86E+00	4.88E+00	8.80E+00	1.55E+01	4.48E-01	2.96E+01	4.87E+00	1.01E-03	1.70E-01	1.31E-02	5.06E+00
5450	488638.08	3858327.45	3.95E+00	1.03E-03	2.05E-01	1.14E-02	4.17E+00	4.12E+00	1.06E+01	1.87E+01	3.89E-01	3.38E+01	4.11E+00	1.21E-03	2.05E-01	1.14E-02	4.33E+00
5451	488663.79	3858349.57	3.91E+00	1.04E-03	1.93E-01	1.21E-02	4.12E+00	4.08E+00	1.06E+01	1.76E+01	4.13E-01	3.27E+01	4.07E+00	1.22E-03	1.93E-01	1.21E-02	4.28E+00
5452	488694.56	3858349.5	4.04E+00	1.03E-03	1.91E-01	1.27E-02	4.25E+00	4.22E+00	1.06E+01	1.74E+01	4.34E-01	3.26E+01	4.21E+00	1.21E-03	1.91E-01	1.27E-02	4.41E+00
5453	488694.35	3858336.75	4.12E+00	1.03E-03	2.01E-01	1.24E-02	4.34E+00	4.30E+00	1.05E+01	1.83E+01	4.24E-01	3.35E+01	4.29E+00	1.20E-03	2.01E-01	1.24E-02	4.51E+00
5454	488712.81	3858336.38	4.20E+00	1.02E-03	2.02E-01	1.27E-02	4.41E+00	4.38E+00	1.04E+01	1.85E+01	4.34E-01	3.37E+01	4.37E+00	1.20E-03	2.02E-01	1.27E-02	4.59E+00
5455	488713.23	3858367.46	4.01E+00	1.04E-03	1.79E-01	1.31E-02	4.20E+00	4.18E+00	1.06E+01	1.63E+01	4.48E-01	3.16E+01	4.17E+00	1.22E-03	1.79E-01	1.31E-02	4.37E+00
5456	488704.63	3858384.05	3.86E+00	1.06E-03	1.71E-01	1.31E-02	4.04E+00	4.03E+00	1.08E+01	1.56E+01	4.47E-01	3.08E+01	4.02E+00	1.23E-03	1.71E-01	1.31E-02	4.20E+00
5457	488604.15	3858488.29	3.87E+00	1.16E-03	1.37E-01	1.30E-02	4.03E+00	4.04E+00	1.19E+01	1.25E+01	4.46E-01	2.89E+01	4.03E+00	1.36E-03	1.37E-01	1.30E-02	4.19E+00
5458	488605.66	3858550.47	3.81E+00	1.22E-03	1.04E-01	1.43E-02	3.93E+00	3.98E+00	1.25E+01	9.44E+00	4.89E-01	2.64E+01	3.97E+00	1.43E-03	1.04E-01	1.43E-02	4.09E+00
5459	488692.68	3858548.71	3.80E+00	1.19E-03	1.16E-01	1.43E-02	3.94E+00	3.97E+00	1.22E+01	1.06E+01	4.88E-01	2.72E+01	3.96E+00	1.39E-03	1.16E-01	1.43E-02	4.09E+00
5460	488759.93	3858461.81	3.57E+00	1.08E-03	1.35E-01	1.26E-02	3.72E+00	3.73E+00	1.11E+01	1.23E+01	4.32E-01	2.75E+01	3.72E+00	1.27E-03	1.35E-01	1.26E-02	3.87E+00
5461	488816.57	3858541.79	3.44E+00	1.10E-03	1.14E-01	1.51E-02	3.57E+00	3.59E+00	1.13E+01	1.04E+01	5.18E-01	2.58E+01	3.58E+00	1.29E-03	1.14E-01	1.51E-02	3.71E+00
5462	488944.63	3858656.77	3.28E+00	1.12E-03	9.43E-02	1.38E-02	3.39E+00	3.42E+00	1.15E+01	8.60E+00	4.71E-01	2.40E+01	3.41E+00	1.31E-03	9.43E-02	1.38E-02	3.52E+00
5463	489134.91	3858830.7	3.05E+00	1.05E-03	7.44E-02	1.29E-02	3.14E+00	3.19E+00	1.07E+01	6.78E+00	4.41E-01	2.11E+01	3.18E+00	1.23E-03	7.44E-02	1.29E-02	3.27E+00
5464	489193.99	3858886.05	2.99E+00	1.10E-03	6.90E-02	1.30E-02	3.07E+00	3.12E+00	1.12E+01	6.29E+00	4.46E-01	2.11E+01	3.11E+00	1.29E-03	6.90E-02	1.30E-02	3.19E+00
5465	489295.2	3858954.34	2.87E+00	1.13E-03	6.63E-02	1.25E-02	2.95E+00	2.99E+00	1.15E+01	6.05E+00	4.29E-01	2.10E+01	2.99E+00	1.32E-03	6.63E-02	1.25E-02	3.07E+00
5466	489295.64	3858992.74	2.87E+00	1.16E-03	6.41E-02	1.19E-02	2.95E+00	2.99E+00	1.18E+01	5.84E+00	4.06E-01	2.11E+01	2.99E+00	1.35E-03	6.41E-02	1.19E-02	3.06E+00
5467	489183.74	3858911.72	2.99E+00	1.14E-03	6.66E-02	1.28E-02	3.07E+00	3.12E+00	1.17E+01	6.08E+00	4.37E-01	2.13E+01	3.12E+00	1.34E-03	6.66E-02	1.28E-02	3.20E+00
5468	488873.37	3858625.59	3.40E+00	1.13E-03	1.01E-01	1.33E-02	3.51E+00	3.54E+00	1.16E+01	9.21E+00	4.53E-01	2.48E+01	3.54E+00	1.32E-03	1.01E-01	1.33E-02	3.65E+00
5469	488842.84	3858658.69	3.65E+00	1.19E-03	9.46E-02	1.32E-02	3.76E+00	3.81E+00	1.22E+01	8.63E+00	4.51E-01	2.50E+01	3.80E+00	1.39E-03	9.46E-02	1.32E-02	3.91E+00
5470	488856.39	3858670.93	3.64E+00	1.18E-03	9.28E-02	1.32E-02	3.75E+00	3.80E+00	1.21E+01	8.46E+00	4.50E-01	2.48E+01	3.79E+00	1.38E-03	9.28E-02	1.32E-02	3.90E+00
5471	488805.7	3858724.5	3.73E+00	1.27E-03	7.60E-02	1.36E-02	3.82E+00	3.89E+00	1.30E+01	6.93E+00	4.64E-01	2.43E+01	3.88E+00	1.49E-03	7.60E-02	1.36E-02	3.98E+00
5472	488805.87	3858804.16	3.67E+00	1.36E-03	6.14E-02	1.32E-02	3.74E+00	3.83E+00	1.39E+01	5.60E+00	4.50E-01	2.37E+01	3.82E+00	1.59E-03	6.14E-02	1.32E-02	3.90E+00
5473	488995.78	3858936.96	3.61E+00	1.33E-03	5.58E-02	1.57E-02	3.68E+00	3.76E+00	1.36E+01	5.09E+00	5.38E-01	2.30E+01	3.76E+00	1.56E-03	5.58E-02	1.57E-02	3.83E+00
5474	489130.76	3859017.38	3.53E+00	1.29E-03	5.69E-02	1.38E-02	3.60E+00	3.68E+00	1.32E+01	5.19E+00	4.73E-01	2.25E+01	3.67E+00	1.51E-03	5.69E-02	1.38E-02	3.75E+00
5475	489130.92	3859052.24	3.43E+00	1.32E-03	5.43E-02	1.35E-02	3.49E+00	3.57E+00	1.35E+01	4.95E+00	4.63E-01	2.25E+01	3.57E+00	1.54E-03	5.43E-02	1.35E-02	3.64E+00
5476	489200.33	3859090.6	3.37E+00	1.29E-03	5.57E-02	1.21E-02	3.44E+00	3.51E+00	1.32E+01	5.08E+00	4.15E-01	2.22E+01	3.51E+00	1.51E-03	5.57E-02	1.21E-02	3.58E+00
5477	489296.07	3859143.7	3.04E+00	1.25E-03	5.74E-02	1.22E-02	3.11E+00	3.18E+00	1.28E+01	5.23E+00	4.16E-01	2.16E+01	3.17E+00	1.46E-03	5.74E-02	1.22E-02	3.24E+00
5478	489296.43	3858954.74	2.86E+00	1.13E-03	6.64E-02	1.25E-02	2.94E+00	2.99E+00	1.15E+01	6.05E+00	4.29E-01	2.10E+01	2.98E+00	1.32E-03	6.64E-02	1.25E-02	3.06E+00
5479	489410.33	3859033.19	2.96E+00	1.09E-03	6.44E-02	1.05E-02	3.03E+00	3.09E+00	1.12E+01	5.87E+00	3.60E-01	2.05E+01	3.08E+00	1.28E-03	6.44E-02	1.05E-02	3.16E+00
5480	489371.37	3859089.8	2.90E+00	1.17E-03	5.97E-02	1.11E-02	2.97E+00	3.03E+00	1.20E+01	5.45E+00	3.81E-01	2.08E+01	3.02E+00	1.37E-03	5.97E-02	1.11E-02	3.09E+00
5481	489390.52	3859102.82	2.92E+00	1.17E-03	5.97E-02	1.12E-02	2.99E+00	3.05E+00	1.19E+01	5.44E+00	3.82E-01	2.08E+01	3.04E+00	1.37E-03	5.97E-02	1.12E-02	3.11E+00
5482	489382.3	3859114.53	2.98E+00	1.18E-03	5.92E-02	1.15E-02	3.06E+00	3.11E+00	1.20E+01	5.40E+00	3.92E-01	2.09E+01	3.11E+00	1.38E-03	5.92E-02	1.15E-02	3.18E+00
5483	489363.04	3859102.45	2.98E+00	1.18E-03	5.92E-02	1.13E-02	3.05E+00	3.11E+00	1.21E+01	5.40E+00	3.87E-01	2.10E+01	3.10E+00	1.38E-03	5.92E-02	1.13E-02	3.18E+00
5484	489337.52	3859140.71	3.13E+00	1.22E-03	5.81E-02	1.21E-02	3.20E+00	3.26E+00	1.25E+01	5.30E+00	4.14E-01	2.15E+01	3.26E+00	1.43E-03	5.81E-02	1.21E-02	3.33E+00
5485	489375.14	3859164.55	3.13E+00	1.20E-03	5.85E-02	1.21E-02	3.20E+00	3.27E+00	1.23E+01	5.34E+00	4.15E-01	2.13E+01	3.26E+00	1.41E-03	5.85E-02	1.21E-02	3.33E+00
5486	489409.3	3859114.5	2.94E+00	1.16E-03	5.96E-02	1.14E-02	3.01E+00	3.06E+00	1.19E+01	5.44E+00	3.90E-01	2.08E+01	3.06E+00	1.36E-03	5.96E-02	1.14E-02	3.13E+00

5487	489434.87	3859131.81	2.96E+00	1.15E-03	5.97E-02	1.16E-02	3.03E+00	3.09E+00	1.17E+01	5.44E+00	3.98E-01	2.07E+01	3.08E+00	1.34E-03	5.97E-02	1.16E-02	3.16E+00
5488	489471.87	3859075.75	3.06E+00	1.09E-03	6.34E-02	1.06E-02	3.13E+00	3.19E+00	1.12E+01	5.78E+00	3.62E-01	2.05E+01	3.18E+00	1.28E-03	6.34E-02	1.06E-02	3.26E+00
5489	489602.62	3859164.69	3.18E+00	1.06E-03	6.13E-02	1.10E-02	3.25E+00	3.32E+00	1.09E+01	5.59E+00	3.77E-01	2.02E+01	3.31E+00	1.25E-03	6.13E-02	1.10E-02	3.38E+00
5490	489558.29	3859232.45	3.07E+00	1.12E-03	5.88E-02	1.14E-02	3.14E+00	3.20E+00	1.14E+01	5.36E+00	3.89E-01	2.04E+01	3.19E+00	1.31E-03	5.88E-02	1.14E-02	3.26E+00
5491	489620.11	3859273.56	3.09E+00	1.11E-03	5.81E-02	1.11E-02	3.16E+00	3.22E+00	1.13E+01	5.30E+00	3.79E-01	2.02E+01	3.22E+00	1.30E-03	5.81E-02	1.11E-02	3.29E+00
5492	489666.06	3859206.42	3.21E+00	1.05E-03	6.05E-02	1.05E-02	3.29E+00	3.35E+00	1.08E+01	5.52E+00	3.59E-01	2.00E+01	3.35E+00	1.23E-03	6.05E-02	1.05E-02	3.42E+00
5493	489787.9	3859285.65	3.25E+00	1.03E-03	5.92E-02	1.15E-02	3.32E+00	3.39E+00	1.05E+01	5.40E+00	3.93E-01	1.97E+01	3.38E+00	1.21E-03	5.92E-02	1.15E-02	3.45E+00
5494	489752.17	3859343.13	3.13E+00	1.07E-03	5.77E-02	1.16E-02	3.20E+00	3.27E+00	1.09E+01	5.26E+00	3.98E-01	1.98E+01	3.26E+00	1.25E-03	5.77E-02	1.16E-02	3.33E+00
5495	489814.94	3859385.33	3.14E+00	1.05E-03	5.73E-02	1.20E-02	3.21E+00	3.27E+00	1.07E+01	5.23E+00	4.11E-01	1.96E+01	3.26E+00	1.22E-03	5.73E-02	1.20E-02	3.34E+00
5496	489853.42	3859330.74	3.24E+00	1.02E-03	5.85E-02	1.18E-02	3.31E+00	3.38E+00	1.04E+01	5.34E+00	4.04E-01	1.95E+01	3.38E+00	1.19E-03	5.85E-02	1.18E-02	3.45E+00
5497	489969.5	3859401.91	3.22E+00	9.90E-04	5.73E-02	1.20E-02	3.29E+00	3.36E+00	1.01E+01	5.22E+00	4.11E-01	1.91E+01	3.36E+00	1.16E-03	5.73E-02	1.20E-02	3.43E+00
5498	490166.91	3859486.96	3.17E+00	9.36E-04	5.43E-02	1.12E-02	3.24E+00	3.31E+00	9.56E+00	4.95E+00	3.82E-01	1.82E+01	3.30E+00	1.09E-03	5.43E-02	1.12E-02	3.37E+00
5499	490128.86	3859571.46	3.09E+00	9.57E-04	5.41E-02	1.12E-02	3.15E+00	3.22E+00	9.78E+00	4.93E+00	3.83E-01	1.83E+01	3.22E+00	1.12E-03	5.41E-02	1.12E-02	3.28E+00
5500	490186.65	3859593.65	3.08E+00	9.39E-04	5.36E-02	1.11E-02	3.15E+00	3.22E+00	9.60E+00	4.89E+00	3.79E-01	1.81E+01	3.21E+00	1.10E-03	5.36E-02	1.11E-02	3.28E+00
5501	490223.74	3859517.48	3.14E+00	9.19E-04	5.36E-02	1.11E-02	3.21E+00	3.28E+00	9.38E+00	4.88E+00	3.80E-01	1.79E+01	3.27E+00	1.07E-03	5.36E-02	1.11E-02	3.34E+00
5502	490846.34	3859817.22	3.06E+00	7.48E-04	4.70E-02	1.12E-02	3.12E+00	3.20E+00	7.65E+00	4.28E+00	3.83E-01	1.55E+01	3.19E+00	8.76E-04	4.70E-02	1.12E-02	3.25E+00
5503	490925.65	3859844.59	3.04E+00	7.30E-04	4.60E-02	1.12E-02	3.10E+00	3.17E+00	7.46E+00	4.20E+00	3.83E-01	1.52E+01	3.17E+00	8.55E-04	4.60E-02	1.12E-02	3.22E+00
5504	491159.29	3859896.28	2.86E+00	7.06E-04	4.25E-02	1.09E-02	2.91E+00	2.98E+00	7.21E+00	3.88E+00	3.74E-01	1.44E+01	2.98E+00	8.26E-04	4.25E-02	1.09E-02	3.03E+00
5505	491370.69	3859960.89	2.79E+00	6.80E-04	4.06E-02	1.07E-02	2.84E+00	2.91E+00	6.95E+00	3.70E+00	3.65E-01	1.39E+01	2.91E+00	7.96E-04	4.06E-02	1.07E-02	2.96E+00
5506	491330.28	3860063.17	2.69E+00	6.78E-04	3.92E-02	1.11E-02	2.75E+00	2.81E+00	6.93E+00	3.58E+00	3.80E-01	1.37E+01	2.81E+00	7.93E-04	3.92E-02	1.11E-02	2.86E+00
5507	491636.45	3860180.75	2.58E+00	6.33E-04	3.77E-02	1.02E-02	2.62E+00	2.69E+00	6.46E+00	3.44E+00	3.50E-01	1.29E+01	2.68E+00	7.40E-04	3.77E-02	1.02E-02	2.73E+00
5508	491617.94	3860203.93	2.55E+00	6.35E-04	3.75E-02	1.02E-02	2.59E+00	2.66E+00	6.49E+00	3.42E+00	3.49E-01	1.29E+01	2.65E+00	7.43E-04	3.75E-02	1.02E-02	2.70E+00
5509	491805.68	3860271.59	2.51E+00	6.11E-04	3.64E-02	9.62E-03	2.56E+00	2.62E+00	6.24E+00	3.32E+00	3.29E-01	1.25E+01	2.62E+00	7.15E-04	3.64E-02	9.62E-03	2.66E+00
5510	491654.23	3860414.02	2.26E+00	6.80E-04	3.73E-02	8.74E-03	2.30E+00	2.35E+00	6.95E+00	3.40E+00	2.99E-01	1.30E+01	2.35E+00	7.95E-04	3.73E-02	8.74E-03	2.40E+00
5511	491592.62	3860510.76	2.41E+00	7.42E-04	3.69E-02	8.39E-03	2.45E+00	2.51E+00	7.58E+00	3.37E+00	2.87E-01	1.37E+01	2.51E+00	8.68E-04	3.69E-02	8.39E-03	2.55E+00
5512	491475.41	3860368.93	2.47E+00	7.11E-04	3.79E-02	8.99E-03	2.52E+00	2.58E+00	7.27E+00	3.45E+00	3.07E-01	1.36E+01	2.57E+00	8.32E-04	3.79E-02	8.99E-03	2.62E+00
5513	491445.61	3860337.28	2.48E+00	7.08E-04	3.81E-02	9.29E-03	2.53E+00	2.59E+00	7.24E+00	3.47E+00	3.18E-01	1.36E+01	2.58E+00	8.29E-04	3.81E-02	9.29E-03	2.63E+00
5514	491399.05	3860300.37	2.50E+00	7.10E-04	3.85E-02	9.70E-03	2.55E+00	2.61E+00	7.25E+00	3.51E+00	3.32E-01	1.37E+01	2.60E+00	8.30E-04	3.85E-02	9.70E-03	2.65E+00
5515	491228.84	3860235.98	2.56E+00	7.39E-04	3.99E-02	1.05E-02	2.61E+00	2.67E+00	7.55E+00	3.64E+00	3.58E-01	1.42E+01	2.66E+00	8.64E-04	3.99E-02	1.05E-02	2.71E+00
5516	491228.47	3860174.57	2.58E+00	7.14E-04	4.00E-02	1.09E-02	2.64E+00	2.70E+00	7.30E+00	3.65E+00	3.73E-01	1.40E+01	2.69E+00	8.36E-04	4.00E-02	1.09E-02	2.74E+00
5517	491145.77	3860112.55	2.62E+00	7.20E-04	4.12E-02	1.17E-02	2.68E+00	2.74E+00	7.36E+00	3.75E+00	4.01E-01	1.42E+01	2.73E+00	8.43E-04	4.12E-02	1.17E-02	2.79E+00
5518	490844.41	3859966.22	2.68E+00	7.69E-04	4.59E-02	1.27E-02	2.74E+00	2.80E+00	7.86E+00	4.19E+00	4.34E-01	1.53E+01	2.79E+00	9.00E-04	4.59E-02	1.27E-02	2.85E+00
5519	490845.55	3859928.15	2.65E+00	7.62E-04	4.60E-02	1.20E-02	2.71E+00	2.76E+00	7.79E+00	4.19E+00	4.12E-01	1.52E+01	2.76E+00	8.92E-04	4.60E-02	1.20E-02	2.82E+00
5520	490046.91	3859625.6	2.79E+00	9.74E-04	5.50E-02	1.13E-02	2.86E+00	2.91E+00	9.95E+00	5.01E+00	3.85E-01	1.83E+01	2.91E+00	1.14E-03	5.50E-02	1.13E-02	2.97E+00
5521	489970.48	3859589.4	2.81E+00	1.00E-03	5.61E-02	1.14E-02	2.87E+00	2.93E+00	1.02E+01	5.12E+00	3.91E-01	1.87E+01	2.92E+00	1.17E-03	5.61E-02	1.14E-02	2.99E+00
5522	489865.89	3859529.06	2.80E+00	1.03E-03	5.77E-02	1.19E-02	2.88E+00	2.93E+00	1.06E+01	5.27E+00	4.08E-01	1.92E+01	2.92E+00	1.21E-03	5.77E-02	1.19E-02	2.99E+00
5523	489826.89	3859531.74	2.87E+00	1.05E-03	5.87E-02	1.21E-02	2.94E+00	2.99E+00	1.07E+01	5.36E+00	4.15E-01	1.95E+01	2.99E+00	1.23E-03	5.87E-02	1.21E-02	3.06E+00
5524	489410.47	3859303.06	2.95E+00	1.24E-03	5.56E-02	1.22E-02	3.02E+00	3.08E+00	1.26E+01	5.07E+00	4.18E-01	2.12E+01	3.07E+00	1.45E-03	5.56E-02	1.22E-02	3.14E+00
5525	489407.15	3859286.09	2.90E+00	1.24E-03	5.63E-02	1.23E-02	2.97E+00	3.03E+00	1.26E+01	5.13E+00	4.21E-01	2.12E+01	3.02E+00	1.45E-03	5.63E-02	1.23E-02	3.09E+00
5526	488806.07	3858963.62	3.54E+00	1.67E-03	5.83E-02	1.70E-02	3.62E+00	3.69E+00	1.70E+01	5.31E+00	5.82E-01	2.66E+01	3.69E+00	1.95E-03	5.83E-02	1.70E-02	3.76E+00
5527	488817.64	3859546.3	3.39E+00	2.57E-03	3.92E-02	2.05E-02	3.45E+00	3.54E+00	2.63E+01	3.57E+00	7.00E-01	3.41E+01	3.53E+00	3.01E-03	3.92E-02	2.05E-02	3.59E+00
5528	489187.25	3859549.52	3.40E+00	1.78E-03	4.33E-02	1.52E-02	3.46E+00	3.55E+00	1.82E+01	3.95E+00	5.18E-01	2.62E+01	3.55E+00	2.09E-03	4.33E-02	1.52E-02	3.61E+00
5529	489187.66	3859523.74	3.41E+00	1.76E-03	4.34E-02	1.43E-02	3.47E+00	3.55E+00	1.80E+01	3.96E+00	4.91E-01	2.60E+01	3.55E+00	2.06E-03	4.34E-02	1.43E-02	3.61E+00
5530	489232.59	3859522.85	2.87E+00	1.70E-03	4.22E-02	1.40E-02	2.93E+00	2.99E+00	1.74E+01	3.85E+00	4.77E-01	2.47E+01	2.99E+00	1.99E-03	4.22E-02	1.40E-02	3.05E+00
5531	489224.98	3859759.91	3.25E+00	1.80E-03	4.01E-02	1.45E-02	3.30E+00	3.39E+00	1.84E+01	3.65E+00	4.97E-01	2.60E+01	3.38E+00	2.11E-03	4.01E-02	1.45E-02	3.44E+00
5532	488401.39	3859763.34	3.34E+00	2.62E-03	2.56E-02	2.67E-02	3.40E+00	3.49E+00	2.68E+01	2.33E+00	9.14E-01	3.35E+01	3.48E+00	3.06E-03	2.56E-02	2.67E-02	3.53E+00
5533	488405.51	3859966.16	3.29E+00	2.64E-03	2.80E-02	3.18E-02	3.35E+00	3.43E+00	2.69E+01	2.55E+00	1.09E+00	3.40E+01	3.42E+00	3.09E-03	2.80E-02	3.18E-02	3.49E+00
5534	489202.85	3859956.57	3.24E+00	1.55E-03	3.51E-02	3.12E-02	3.31E+00	3.38E+00	1.58E+01	3.20E+00	1.07E+00	2.35E+01	3.38E+00	1.81E-03	3.51E-02	3.12E-02	3.45E+00
5535	489191.9	3860676.74	2.83E+00	2.39E-03	2.66E-02	2.17E-02	2.88E+00	2.95E+00	2.44E+01	2.42E+00	7.43E-01	3.05E+01	2.94E+00	2.79E-03	2.66E-02	2.17E-02	2.99E+00
5536	488392.82	3860687.88	2.82E+00	2.15E-03	3.19E-02	1.74E-02	2.87E+00	2.94E+00	2.19E+01	2.91E+00	5.95E-01	2.84E+01	2.94E+00	2.51E-03	3.19E-02	1.74E-02	2.99E+00
5537	488392.82	3860760.27	2.73E+00	1.97E-03	3.23E-02	1.69E-02	2.78E+00	2.85E+00	2.02E+01	2.95E+00	5.79E-01	2.65E+01	2.84E+00	2.31E-03	3.23E-02	1.69E-02	2.89E+00
5538	487549.05	3860777.45	1.96E+00	1.25E-03	3.72E-02	1.84E-02	2.02E+00	2.04E+00	1.28E+01	3.39E+00	6.30E-01	1.88E+01	2.04E+00	1.46E-03	3.72E-02	1.84E-02	2.10E+00
5539	487554.62	3859571.83	2.98E+00	2.15E-03	2.17E-02	3.13E-02	3.04E+00	3.11E+00	2.20E+01	1.98E+00	1.07E+00	2.81E+01	3.11E+00	2.52E-03	2.17E-02	3.13E-02	3.16E+00
5540	485949.46	3859558.54	1.80E+00	9.41E-04	5.52E-02	1.35E-02	1.87E+00	1.88E+00	9.61E+00	5.03E+00	4.61E-01	1.70E+01	1.87E+00	1.10E-03	5.52E-02	1.35E-02	1.94E+00
5541	485947.55	3857943.61	2.89E+00	2.01E-03	5.59E-02	1.08E-02	2.96E+00	3.01E+00	2.06E+01	5.10E+00	3.69E-01	2.90E+01	3.01E+00	2.36E-03	5.59E-02	1.08E-02	3.08E+00
5542	484738.38	3857940.21	1.97E+00	1.24E-03	4.27E-02	1.26E-02	2.03E+00	2.06E+00	1.27E+01	3.89E+00	4.31E-01	1.90E+01	2.05E+00	1.45E-03	4.27E-02	1.26E-02	2.11E+00
5543	484737.06	3857535.68	2.18E+00	1.63E-03	4.20E-02	1.68E-02	2.25E+00	2.28E+00	1.67E+01	3.83E+00	5.75E-01	2.34E+01	2.28E+00	1.91E-03	4.20E-02	1.68E-02	2.34E+00
5544	483730.2	3857530.13	1.94E+00	8.20E-04	3.38E-02	2.97E-02	2.00E+00	2.02E+00	8.38E+00	3.08E+00	1.01E+00	1.45E+01	2.02E+00	9.60E-04	3.38E-02	2.97E-02	2.08E+00
5545	483727.27	3857130.01	2.21E+00	1.35E-03	4.58E-02	2.72E-02	2.28E+00	2.30E+00	1.38E+01	4.18E+00	9.30E-01	2.12E+01	2.30E+00	1.58E-03	4.58E-02	2.72E-02	2.37E+00
5546	483124.42	3857123.45	2.04E+00	8.60E-04	3.91E-02	1.63E-02	2.09E+00	2.12E+00	8.79E+00	3.57E+00	5.58E-01	1.50E+01	2.12E+00	1.01E-03	3.91E-02	1.63E-02	2.18E+00
5547	483111.13	3855921.03	2.99E+00	2.47E-03	2.91E-02	1.66E-02	3.04E+00	3.12E+00	2.52E+01	2.66E+00	5.68E-01	3.16E+01	3.12E+00	2.89E-03	2.91E-02	1.66E-02	3.17E+00

5548	482701.73	3855918.24	2.72E+00	1.91E-03	3.01E-02	1.50E-02	2.77E+00	2.84E+00	1.95E+01	2.75E+00	5.12E-01	2.56E+01	2.83E+00	2.23E-03	3.01E-02	1.50E-02	2.88E+00
5549	482668.02	3853521.78	4.13E+00	6.02E-04	1.69E-02	1.10E-02	4.16E+00	4.31E+00	6.15E+00	1.54E+00	3.77E-01	1.24E+01	4.30E+00	7.04E-04	1.69E-02	1.10E-02	4.33E+00
5550	482579.91	3853219.19	4.32E+00	5.88E-04	1.66E-02	9.33E-03	4.35E+00	4.51E+00	6.01E+00	1.51E+00	3.19E-01	1.23E+01	4.50E+00	6.88E-04	1.66E-02	9.33E-03	4.53E+00
5551	482434.06	3852961.94	4.32E+00	5.55E-04	1.58E-02	7.97E-03	4.34E+00	4.51E+00	5.67E+00	1.44E+00	2.73E-01	1.19E+01	4.50E+00	6.49E-04	1.58E-02	7.97E-03	4.52E+00
5552	482332.11	3852832.85	4.24E+00	5.35E-04	1.55E-02	6.98E-03	4.26E+00	4.43E+00	5.46E+00	1.41E+00	2.39E-01	1.15E+01	4.42E+00	6.25E-04	1.55E-02	6.98E-03	4.44E+00
5553	481334.99	3851818.96	3.49E+00	4.37E-04	1.32E-02	5.51E-03	3.51E+00	3.65E+00	4.47E+00	1.20E+00	1.88E-01	9.51E+00	3.64E+00	5.12E-04	1.32E-02	5.51E-03	3.66E+00
5554	481127.62	3851646.36	3.43E+00	4.30E-04	1.29E-02	5.24E-03	3.44E+00	3.57E+00	4.39E+00	1.18E+00	1.79E-01	9.33E+00	3.57E+00	5.03E-04	1.29E-02	5.24E-03	3.59E+00
5555	481025.04	3851591.73	3.41E+00	4.49E-04	1.29E-02	5.12E-03	3.42E+00	3.55E+00	4.59E+00	1.18E+00	1.75E-01	9.50E+00	3.55E+00	5.26E-04	1.29E-02	5.12E-03	3.56E+00
5556	480513.6	3851335.76	2.99E+00	4.76E-04	1.28E-02	5.09E-03	3.01E+00	3.12E+00	4.86E+00	1.17E+00	1.74E-01	9.33E+00	3.12E+00	5.57E-04	1.28E-02	5.09E-03	3.14E+00
5557	480523.56	3851317.66	3.01E+00	4.69E-04	1.28E-02	5.11E-03	3.03E+00	3.14E+00	4.79E+00	1.16E+00	1.75E-01	9.28E+00	3.14E+00	5.49E-04	1.28E-02	5.11E-03	3.16E+00
5558	476921.56	3849569.11	1.75E+00	4.95E-04	8.09E-03	4.94E-03	1.77E+00	1.83E+00	5.06E+00	7.38E-01	1.69E-01	7.79E+00	1.83E+00	5.79E-04	8.09E-03	4.94E-03	1.84E+00
5559	476521.19	3849373.96	1.82E+00	4.28E-04	7.70E-03	4.90E-03	1.83E+00	1.90E+00	4.37E+00	7.02E-01	1.68E-01	7.14E+00	1.90E+00	5.00E-04	7.70E-03	4.90E-03	1.91E+00
5560	476391.45	3849333.38	1.81E+00	4.23E-04	7.56E-03	4.89E-03	1.83E+00	1.89E+00	4.32E+00	6.89E-01	1.67E-01	7.07E+00	1.89E+00	4.95E-04	7.56E-03	4.89E-03	1.90E+00
5561	476219.41	3849304.29	1.81E+00	4.18E-04	7.36E-03	4.90E-03	1.82E+00	1.89E+00	4.27E+00	6.71E-01	1.67E-01	7.00E+00	1.88E+00	4.89E-04	7.36E-03	4.90E-03	1.90E+00
5562	475679.11	3849218.47	1.59E+00	3.38E-04	6.86E-03	4.93E-03	1.61E+00	1.66E+00	3.46E+00	6.26E-01	1.69E-01	5.91E+00	1.66E+00	3.96E-04	6.86E-03	4.93E-03	1.67E+00
5563	475677.71	3849233.88	1.59E+00	3.41E-04	6.87E-03	4.93E-03	1.60E+00	1.66E+00	3.48E+00	6.27E-01	1.69E-01	5.93E+00	1.65E+00	3.99E-04	6.87E-03	4.93E-03	1.67E+00
5564	475492.74	3849204.66	1.51E+00	2.76E-04	6.81E-03	4.88E-03	1.53E+00	1.58E+00	2.82E+00	6.21E-01	1.67E-01	5.19E+00	1.58E+00	3.23E-04	6.81E-03	4.88E-03	1.59E+00
5565	475497.64	3849158.75	1.50E+00	2.96E-04	6.79E-03	4.88E-03	1.51E+00	1.56E+00	3.02E+00	6.19E-01	1.67E-01	5.37E+00	1.56E+00	3.46E-04	6.79E-03	4.88E-03	1.57E+00
5566	475391.35	3849141.94	1.55E+00	3.17E-04	6.80E-03	4.85E-03	1.56E+00	1.62E+00	3.24E+00	6.20E-01	1.66E-01	5.64E+00	1.62E+00	3.71E-04	6.80E-03	4.85E-03	1.63E+00
5567	475277	3849095.47	1.59E+00	3.19E-04	6.78E-03	4.80E-03	1.60E+00	1.66E+00	3.26E+00	6.18E-01	1.64E-01	5.70E+00	1.65E+00	3.74E-04	6.78E-03	4.80E-03	1.66E+00
5568	475183.93	3849025.66	1.56E+00	3.14E-04	6.72E-03	4.77E-03	1.57E+00	1.62E+00	3.21E+00	6.13E-01	1.63E-01	5.61E+00	1.62E+00	3.68E-04	6.72E-03	4.77E-03	1.63E+00
5569	474453.23	3848378.77	1.31E+00	2.89E-04	6.22E-03	4.50E-03	1.32E+00	1.37E+00	2.95E+00	5.68E-01	1.54E-01	5.04E+00	1.36E+00	3.38E-04	6.22E-03	4.50E-03	1.38E+00
5570	474569.63	3848399.34	1.43E+00	2.83E-04	6.23E-03	4.53E-03	1.44E+00	1.49E+00	2.89E+00	5.68E-01	1.55E-01	5.11E+00	1.49E+00	3.31E-04	6.23E-03	4.53E-03	1.50E+00
5571	474644.33	3848464.52	1.42E+00	2.88E-04	6.27E-03	4.56E-03	1.43E+00	1.48E+00	2.94E+00	5.72E-01	1.56E-01	5.15E+00	1.48E+00	3.37E-04	6.27E-03	4.56E-03	1.49E+00
5572	474719.04	3848529.7	1.40E+00	2.91E-04	6.32E-03	4.59E-03	1.42E+00	1.47E+00	2.97E+00	5.77E-01	1.57E-01	5.17E+00	1.46E+00	3.40E-04	6.32E-03	4.59E-03	1.47E+00
5573	474793.74	3848594.88	1.40E+00	2.90E-04	6.37E-03	4.62E-03	1.41E+00	1.46E+00	2.96E+00	5.81E-01	1.58E-01	5.16E+00	1.46E+00	3.39E-04	6.37E-03	4.62E-03	1.47E+00
5574	474868.45	3848660.07	1.40E+00	2.85E-04	6.41E-03	4.64E-03	1.41E+00	1.46E+00	2.91E+00	5.84E-01	1.59E-01	5.11E+00	1.45E+00	3.33E-04	6.41E-03	4.64E-03	1.47E+00
5575	474943.15	3848725.25	1.40E+00	2.84E-04	6.46E-03	4.67E-03	1.41E+00	1.46E+00	2.91E+00	5.89E-01	1.60E-01	5.12E+00	1.46E+00	3.33E-04	6.46E-03	4.67E-03	1.47E+00
5576	475017.86	3848790.43	1.42E+00	2.90E-04	6.51E-03	4.70E-03	1.43E+00	1.48E+00	2.96E+00	5.93E-01	1.61E-01	5.19E+00	1.48E+00	3.39E-04	6.51E-03	4.70E-03	1.49E+00
5577	475092.56	3848855.61	1.44E+00	2.97E-04	6.56E-03	4.73E-03	1.45E+00	1.50E+00	3.04E+00	5.98E-01	1.62E-01	5.30E+00	1.50E+00	3.48E-04	6.56E-03	4.73E-03	1.51E+00
5578	475232.58	3848959.38	1.47E+00	3.06E-04	6.64E-03	4.78E-03	1.48E+00	1.53E+00	3.13E+00	6.06E-01	1.63E-01	5.42E+00	1.53E+00	3.58E-04	6.64E-03	4.78E-03	1.54E+00
5579	475368.47	3849029.98	1.50E+00	3.04E-04	6.69E-03	4.82E-03	1.51E+00	1.56E+00	3.11E+00	6.10E-01	1.65E-01	5.45E+00	1.56E+00	3.56E-04	6.69E-03	4.82E-03	1.57E+00
5580	475609.57	3849096.09	1.66E+00	3.02E-04	6.74E-03	4.87E-03	1.67E+00	1.73E+00	3.09E+00	6.15E-01	1.67E-01	5.60E+00	1.72E+00	3.54E-04	6.74E-03	4.87E-03	1.74E+00
5581	475680.68	3849116.62	1.72E+00	3.21E-04	6.82E-03	4.88E-03	1.73E+00	1.79E+00	3.28E+00	6.22E-01	1.67E-01	5.86E+00	1.79E+00	3.76E-04	6.82E-03	4.88E-03	1.80E+00
5582	475843.76	3849151.52	1.82E+00	3.50E-04	6.99E-03	4.88E-03	1.83E+00	1.90E+00	3.57E+00	6.38E-01	1.67E-01	6.28E+00	1.90E+00	4.09E-04	6.99E-03	4.88E-03	1.91E+00
5583	475935.73	3849165.89	1.81E+00	3.79E-04	7.10E-03	4.87E-03	1.83E+00	1.89E+00	3.87E+00	6.48E-01	1.67E-01	6.58E+00	1.89E+00	4.44E-04	7.10E-03	4.87E-03	1.90E+00
5584	476027.71	3849180.27	1.78E+00	4.01E-04	7.21E-03	4.86E-03	1.79E+00	1.86E+00	4.09E+00	6.58E-01	1.66E-01	6.77E+00	1.85E+00	4.69E-04	7.21E-03	4.86E-03	1.87E+00
5585	476119.68	3849194.64	1.83E+00	3.86E-04	7.32E-03	4.83E-03	1.84E+00	1.91E+00	3.94E+00	6.67E-01	1.65E-01	6.68E+00	1.90E+00	4.52E-04	7.32E-03	4.83E-03	1.92E+00
5586	476211.65	3849209.01	1.82E+00	3.85E-04	7.42E-03	4.83E-03	1.84E+00	1.90E+00	3.94E+00	6.77E-01	1.65E-01	6.68E+00	1.90E+00	4.51E-04	7.42E-03	4.83E-03	1.91E+00
5587	476497.8	3849283.9	1.77E+00	3.96E-04	7.75E-03	4.84E-03	1.78E+00	1.84E+00	4.05E+00	7.06E-01	1.65E-01	6.76E+00	1.84E+00	4.63E-04	7.75E-03	4.84E-03	1.85E+00
5588	476603.73	3849323.77	1.72E+00	4.17E-04	7.86E-03	4.84E-03	1.74E+00	1.80E+00	4.26E+00	7.17E-01	1.65E-01	6.94E+00	1.79E+00	4.87E-04	7.86E-03	4.84E-03	1.81E+00
5589	476728.99	3849382.76	1.73E+00	4.37E-04	7.98E-03	4.84E-03	1.75E+00	1.81E+00	4.47E+00	7.28E-01	1.65E-01	7.17E+00	1.81E+00	5.12E-04	7.98E-03	4.84E-03	1.82E+00
5590	476801.27	3849418.65	1.76E+00	4.49E-04	8.05E-03	4.84E-03	1.77E+00	1.83E+00	4.59E+00	7.34E-01	1.65E-01	7.32E+00	1.83E+00	5.25E-04	8.05E-03	4.84E-03	1.84E+00
5591	476956.2	3849495.05	1.79E+00	4.68E-04	8.21E-03	4.83E-03	1.80E+00	1.86E+00	4.78E+00	7.48E-01	1.65E-01	7.55E+00	1.86E+00	5.47E-04	8.21E-03	4.83E-03	1.87E+00
5592	477038.84	3849535.56	1.82E+00	4.72E-04	8.33E-03	4.83E-03	1.84E+00	1.90E+00	4.82E+00	7.60E-01	1.65E-01	7.64E+00	1.90E+00	5.52E-04	8.33E-03	4.83E-03	1.91E+00
5593	477121.48	3849576.08	1.85E+00	4.87E-04	8.45E-03	4.82E-03	1.86E+00	1.93E+00	4.97E+00	7.71E-01	1.65E-01	7.83E+00	1.92E+00	5.69E-04	8.45E-03	4.82E-03	1.94E+00
5594	477204.13	3849616.6	1.88E+00	4.91E-04	8.58E-03	4.81E-03	1.90E+00	1.96E+00	5.01E+00	7.82E-01	1.64E-01	7.92E+00	1.96E+00	5.74E-04	8.58E-03	4.81E-03	1.97E+00
5595	477286.78	3849657.12	1.97E+00	4.67E-04	8.70E-03	4.79E-03	1.99E+00	2.06E+00	4.77E+00	7.93E-01	1.64E-01	7.78E+00	2.05E+00	5.46E-04	8.70E-03	4.79E-03	2.07E+00
5596	477369.42	3849697.63	1.94E+00	5.10E-04	8.83E-03	4.77E-03	1.96E+00	2.03E+00	5.22E+00	8.05E-01	1.63E-01	8.21E+00	2.02E+00	5.97E-04	8.83E-03	4.77E-03	2.04E+00
5597	477452.07	3849738.15	1.98E+00	5.17E-04	8.95E-03	4.75E-03	2.00E+00	2.07E+00	5.28E+00	8.16E-01	1.63E-01	8.33E+00	2.06E+00	6.05E-04	8.95E-03	4.75E-03	2.08E+00
5598	477534.71	3849778.67	1.96E+00	5.48E-04	9.08E-03	4.73E-03	1.97E+00	2.04E+00	5.59E+00	8.28E-01	1.62E-01	8.63E+00	2.04E+00	6.41E-04	9.08E-03	4.73E-03	2.05E+00
5599	477617.35	3849819.18	1.99E+00	5.49E-04	9.21E-03	4.71E-03	2.00E+00	2.08E+00	5.61E+00	8.40E-01	1.61E-01	8.68E+00	2.07E+00	6.42E-04	9.21E-03	4.71E-03	2.09E+00
5600	477824.74	3849896.37	1.99E+00	5.49E-04	9.58E-03	4.58E-03	2.00E+00	2.08E+00	5.61E+00	8.74E-01	1.57E-01	8.72E+00	2.07E+00	6.42E-04	9.58E-03	4.58E-03	2.09E+00
5601	477906.31	3849936.37	2.08E+00	5.18E-04	9.70E-03	4.55E-03	2.09E+00	2.17E+00	5.29E+00	8.85E-01	1.56E-01	8.50E+00	2.16E+00	6.06E-04	9.70E-03	4.55E-03	2.18E+00
5602	477987.89	3849976.36	2.04E+00	5.27E-04	9.83E-03	4.51E-03	2.06E+00	2.13E+00	5.39E+00	8.96E-01	1.54E-01	8.57E+00	2.13E+00	6.17E-04	9.83E-03	4.51E-03	2.14E+00
5603	478069.47	3850016.36	2.07E+00	5.10E-04	9.95E-03	4.47E-03	2.09E+00	2.16E+00	5.21E+00	9.07E-01	1.53E-01	8.43E+00	2.16E+00	5.96E-04	9.95E-03	4.47E-03	2.17E+00
5604	478151.04	3850056.35	2.07E+00	4.93E-04	1.01E-02	4.49E-03	2.09E+00	2.16E+00	5.03E+00	9.18E-01	1.53E-01	8.27E+00	2.16E+00	5.76E-04	1.01E-02	4.49E-03	2.17E+00
5605	478232.62	3850096.35	2.04E+00	4.96E-04	1.02E-02	4.54E-03	2.06E+00	2.13E+00	5.07E+00	9.29E-01	1.55E-01	8.28E+00	2.13E+00	5.80E-04	1.02E-02	4.54E-03	2.14E+00
5606	478314.2	3850136.34	2.02E+00	5.00E-04	1.03E-02	4.58E-03	2.03E+00	2.10E+00	5.11E+00	9.40E-01	1.57E-01	8.31E+00	2.10E+00	5.86E-04	1.03E-02	4.58E-03	2.11E+00
5607	478395.77	3850176.34	1.98E+00	5.04E-04	1.04E-02	4.63E-03	2.00E+00	2.07E+00	5.15E+00	9.51E-01	1.58E-01	8.32E+00	2.06E+00	5.89E-04	1.04E-02	4.63E-03	2.08E+00
5608	478575.43	3850244.45	1.86E+00	4.99E-04	1.07E-02	4.74E-03	1.88E+00	1.94E+00	5.10E+00	9.77E-01	1.62E-01	8.18E+00	1.94E+00	5.84E-04	1.07E-02	4.74E-03	1.95E+00

5609	478665.06	3850287.29	1.88E+00	5.03E-04	1.08E-02	4.81E-03	1.89E+00	1.96E+00	5.14E+00	9.89E-01	1.64E-01	8.25E+00	1.95E+00	5.89E-04	1.08E-02	4.81E-03	1.97E+00
5610	478754.69	3850330.14	1.89E+00	5.14E-04	1.10E-02	4.85E-03	1.91E+00	1.98E+00	5.25E+00	1.00E+00	1.66E-01	8.39E+00	1.97E+00	6.01E-04	1.10E-02	4.85E-03	1.99E+00
5611	478844.32	3850372.99	1.88E+00	5.25E-04	1.11E-02	4.85E-03	1.90E+00	1.97E+00	5.37E+00	1.01E+00	1.66E-01	8.51E+00	1.96E+00	6.15E-04	1.11E-02	4.85E-03	1.98E+00
5612	478933.95	3850415.84	1.74E+00	5.37E-04	1.12E-02	4.80E-03	1.75E+00	1.81E+00	5.49E+00	1.02E+00	1.64E-01	8.49E+00	1.81E+00	6.29E-04	1.12E-02	4.80E-03	1.83E+00
5613	479023.58	3850458.68	1.87E+00	5.28E-04	1.13E-02	4.90E-03	1.89E+00	1.95E+00	5.39E+00	1.03E+00	1.68E-01	8.54E+00	1.95E+00	6.17E-04	1.13E-02	4.90E-03	1.96E+00
5614	479110.66	3850441.9	1.74E+00	5.20E-04	1.14E-02	4.87E-03	1.75E+00	1.81E+00	5.32E+00	1.04E+00	1.67E-01	8.34E+00	1.81E+00	6.09E-04	1.14E-02	4.87E-03	1.83E+00
5615	479191.22	3850423.99	1.92E+00	5.03E-04	1.15E-02	5.00E-03	1.94E+00	2.01E+00	5.14E+00	1.05E+00	1.71E-01	8.36E+00	2.00E+00	5.88E-04	1.15E-02	5.00E-03	2.02E+00
5616	479274.32	3850465.71	2.00E+00	4.98E-04	1.16E-02	5.10E-03	2.01E+00	2.08E+00	5.08E+00	1.06E+00	1.74E-01	8.40E+00	2.08E+00	5.82E-04	1.16E-02	5.10E-03	2.10E+00
5617	479357.43	3850507.42	2.07E+00	4.83E-04	1.16E-02	5.31E-03	2.09E+00	2.16E+00	4.94E+00	1.06E+00	1.82E-01	8.35E+00	2.16E+00	5.65E-04	1.16E-02	5.31E-03	2.18E+00
5618	479440.53	3850549.14	2.32E+00	4.66E-04	1.17E-02	5.56E-03	2.33E+00	2.42E+00	4.77E+00	1.07E+00	1.90E-01	8.44E+00	2.41E+00	5.46E-04	1.17E-02	5.56E-03	2.43E+00
5619	479523.64	3850590.85	2.42E+00	4.55E-04	1.18E-02	5.72E-03	2.44E+00	2.53E+00	4.65E+00	1.07E+00	1.96E-01	8.44E+00	2.52E+00	5.32E-04	1.18E-02	5.72E-03	2.54E+00
5620	479606.74	3850632.57	2.51E+00	4.48E-04	1.18E-02	5.79E-03	2.53E+00	2.62E+00	4.58E+00	1.08E+00	1.98E-01	8.48E+00	2.62E+00	5.24E-04	1.18E-02	5.79E-03	2.63E+00
5621	479777.37	3850707.61	2.73E+00	4.28E-04	1.19E-02	5.92E-03	2.75E+00	2.85E+00	4.37E+00	1.09E+00	2.02E-01	8.51E+00	2.84E+00	5.00E-04	1.19E-02	5.92E-03	2.86E+00
5622	479864.9	3850740.95	2.84E+00	4.25E-04	1.19E-02	5.90E-03	2.86E+00	2.96E+00	4.34E+00	1.09E+00	2.02E-01	8.59E+00	2.95E+00	4.97E-04	1.19E-02	5.90E-03	2.97E+00
5623	479931.87	3850829.56	2.74E+00	4.38E-04	1.21E-02	5.77E-03	2.76E+00	2.86E+00	4.47E+00	1.10E+00	1.98E-01	8.63E+00	2.86E+00	5.12E-04	1.21E-02	5.77E-03	2.88E+00
5624	479995.55	3850926.75	2.48E+00	4.62E-04	1.22E-02	5.49E-03	2.50E+00	2.59E+00	4.72E+00	1.11E+00	1.88E-01	8.61E+00	2.58E+00	5.41E-04	1.22E-02	5.49E-03	2.60E+00
5625	480079.78	3850968.64	2.56E+00	4.61E-04	1.23E-02	5.39E-03	2.57E+00	2.67E+00	4.71E+00	1.12E+00	1.84E-01	8.68E+00	2.66E+00	5.40E-04	1.23E-02	5.39E-03	2.68E+00
5626	480164.01	3851010.54	2.62E+00	4.57E-04	1.23E-02	5.31E-03	2.64E+00	2.73E+00	4.67E+00	1.12E+00	1.81E-01	8.71E+00	2.73E+00	5.35E-04	1.23E-02	5.31E-03	2.75E+00
5627	480248.23	3851052.43	2.68E+00	4.51E-04	1.23E-02	5.23E-03	2.70E+00	2.79E+00	4.61E+00	1.13E+00	1.79E-01	8.71E+00	2.79E+00	5.28E-04	1.23E-02	5.23E-03	2.81E+00
5628	480332.46	3851094.33	2.73E+00	4.39E-04	1.24E-02	5.22E-03	2.75E+00	2.85E+00	4.49E+00	1.13E+00	1.78E-01	8.65E+00	2.85E+00	5.14E-04	1.24E-02	5.22E-03	2.87E+00
5629	480416.69	3851136.22	2.80E+00	4.26E-04	1.24E-02	5.28E-03	2.82E+00	2.93E+00	4.35E+00	1.13E+00	1.81E-01	8.59E+00	2.92E+00	4.98E-04	1.24E-02	5.28E-03	2.94E+00
5630	480579.95	3851215.17	2.93E+00	4.16E-04	1.24E-02	5.31E-03	2.94E+00	3.05E+00	4.25E+00	1.13E+00	1.81E-01	8.62E+00	3.05E+00	4.87E-04	1.24E-02	5.31E-03	3.06E+00
5631	480658.98	3851252.22	2.95E+00	4.21E-04	1.24E-02	5.29E-03	2.97E+00	3.08E+00	4.30E+00	1.13E+00	1.81E-01	8.69E+00	3.07E+00	4.93E-04	1.24E-02	5.29E-03	3.09E+00
5632	480817.36	3851327.85	2.95E+00	4.15E-04	1.24E-02	5.24E-03	2.96E+00	3.07E+00	4.24E+00	1.13E+00	1.79E-01	8.62E+00	3.07E+00	4.86E-04	1.24E-02	5.24E-03	3.09E+00
5633	480896.72	3851366.42	2.94E+00	4.05E-04	1.23E-02	5.31E-03	2.95E+00	3.06E+00	4.14E+00	1.12E+00	1.82E-01	8.51E+00	3.06E+00	4.74E-04	1.23E-02	5.31E-03	3.08E+00
5634	480976.07	3851405	2.93E+00	3.92E-04	1.23E-02	5.38E-03	2.95E+00	3.06E+00	4.01E+00	1.12E+00	1.84E-01	8.37E+00	3.05E+00	4.59E-04	1.23E-02	5.38E-03	3.07E+00
5635	481178	3851487.31	3.37E+00	3.92E-04	1.21E-02	5.49E-03	3.39E+00	3.52E+00	4.01E+00	1.10E+00	1.88E-01	8.82E+00	3.51E+00	4.59E-04	1.21E-02	5.49E-03	3.53E+00
5636	481244.9	3851557.17	3.39E+00	3.95E-04	1.22E-02	5.50E-03	3.41E+00	3.54E+00	4.04E+00	1.12E+00	1.88E-01	8.88E+00	3.53E+00	4.62E-04	1.22E-02	5.50E-03	3.55E+00
5637	481311.81	3851627.03	3.42E+00	4.00E-04	1.24E-02	5.56E-03	3.44E+00	3.57E+00	4.08E+00	1.13E+00	1.90E-01	8.97E+00	3.56E+00	4.68E-04	1.24E-02	5.56E-03	3.58E+00
5638	481378.71	3851696.89	3.44E+00	4.02E-04	1.25E-02	5.65E-03	3.46E+00	3.59E+00	4.11E+00	1.14E+00	1.93E-01	9.03E+00	3.58E+00	4.71E-04	1.25E-02	5.65E-03	3.60E+00
5639	481445.61	3851766.76	3.48E+00	4.04E-04	1.26E-02	5.72E-03	3.49E+00	3.63E+00	4.13E+00	1.15E+00	1.96E-01	9.10E+00	3.62E+00	4.72E-04	1.26E-02	5.72E-03	3.64E+00
5640	481512.51	3851836.62	3.52E+00	4.01E-04	1.28E-02	5.84E-03	3.54E+00	3.67E+00	4.10E+00	1.17E+00	2.00E-01	9.14E+00	3.67E+00	4.69E-04	1.28E-02	5.84E-03	3.69E+00
5641	481579.42	3851906.48	3.57E+00	3.98E-04	1.29E-02	5.90E-03	3.59E+00	3.72E+00	4.07E+00	1.18E+00	2.02E-01	9.17E+00	3.72E+00	4.66E-04	1.29E-02	5.90E-03	3.74E+00
5642	481646.32	3851976.34	3.62E+00	3.97E-04	1.31E-02	6.00E-03	3.64E+00	3.77E+00	4.05E+00	1.19E+00	2.05E-01	9.22E+00	3.77E+00	4.64E-04	1.31E-02	6.00E-03	3.79E+00
5643	481713.22	3852046.2	3.67E+00	3.89E-04	1.32E-02	6.22E-03	3.69E+00	3.83E+00	3.97E+00	1.21E+00	2.13E-01	9.22E+00	3.82E+00	4.55E-04	1.32E-02	6.22E-03	3.84E+00
5644	481780.12	3852116.06	3.72E+00	3.89E-04	1.34E-02	6.24E-03	3.74E+00	3.88E+00	3.97E+00	1.22E+00	2.13E-01	9.29E+00	3.87E+00	4.55E-04	1.34E-02	6.24E-03	3.89E+00
5645	481847.03	3852185.92	3.77E+00	3.92E-04	1.35E-02	6.18E-03	3.79E+00	3.94E+00	4.01E+00	1.24E+00	2.11E-01	9.39E+00	3.93E+00	4.59E-04	1.35E-02	6.18E-03	3.95E+00
5646	481913.93	3852255.78	3.83E+00	4.01E-04	1.37E-02	6.12E-03	3.85E+00	3.99E+00	4.09E+00	1.25E+00	2.09E-01	9.55E+00	3.98E+00	4.69E-04	1.37E-02	6.12E-03	4.01E+00
5647	481980.83	3852325.65	3.86E+00	4.28E-04	1.39E-02	6.04E-03	3.88E+00	4.03E+00	4.37E+00	1.27E+00	2.06E-01	9.88E+00	4.02E+00	5.01E-04	1.39E-02	6.04E-03	4.04E+00
5648	482047.73	3852395.51	3.92E+00	4.47E-04	1.40E-02	6.09E-03	3.94E+00	4.09E+00	4.57E+00	1.28E+00	2.08E-01	1.01E+01	4.08E+00	5.23E-04	1.40E-02	6.09E-03	4.10E+00
5649	482114.64	3852465.37	3.98E+00	4.67E-04	1.42E-02	6.09E-03	4.00E+00	4.16E+00	4.77E+00	1.30E+00	2.08E-01	1.04E+01	4.15E+00	5.46E-04	1.42E-02	6.09E-03	4.17E+00
5650	482181.54	3852535.23	4.04E+00	4.74E-04	1.44E-02	6.23E-03	4.06E+00	4.22E+00	4.85E+00	1.31E+00	2.13E-01	1.06E+01	4.21E+00	5.55E-04	1.44E-02	6.23E-03	4.23E+00
5651	482338.69	3852700.04	4.22E+00	5.04E-04	1.48E-02	6.84E-03	4.24E+00	4.40E+00	5.15E+00	1.35E+00	2.34E-01	1.11E+01	4.40E+00	5.90E-04	1.48E-02	6.84E-03	4.42E+00
5652	482404.05	3852767.78	4.33E+00	5.14E-04	1.50E-02	7.23E-03	4.35E+00	4.52E+00	5.25E+00	1.37E+00	2.47E-01	1.14E+01	4.51E+00	6.02E-04	1.50E-02	7.23E-03	4.53E+00
5653	482469.4	3852835.52	4.45E+00	5.22E-04	1.52E-02	7.47E-03	4.47E+00	4.64E+00	5.33E+00	1.38E+00	2.55E-01	1.16E+01	4.64E+00	6.11E-04	1.52E-02	7.47E-03	4.66E+00
5654	482534.75	3852903.25	4.59E+00	5.24E-04	1.53E-02	7.48E-03	4.62E+00	4.79E+00	5.35E+00	1.40E+00	2.56E-01	1.18E+01	4.78E+00	6.13E-04	1.53E-02	7.48E-03	4.81E+00
5655	482600.11	3852970.98	4.75E+00	5.29E-04	1.55E-02	7.37E-03	4.77E+00	4.95E+00	5.40E+00	1.42E+00	2.52E-01	1.20E+01	4.94E+00	6.19E-04	1.55E-02	7.37E-03	4.97E+00
5656	482706.71	3853119.28	4.85E+00	5.20E-04	1.60E-02	7.29E-03	4.88E+00	5.06E+00	5.31E+00	1.46E+00	2.49E-01	1.21E+01	5.05E+00	6.08E-04	1.60E-02	7.29E-03	5.08E+00
5657	482747.96	3853199.84	4.86E+00	5.24E-04	1.64E-02	7.50E-03	4.88E+00	5.07E+00	5.35E+00	1.49E+00	2.56E-01	1.22E+01	5.06E+00	6.13E-04	1.64E-02	7.50E-03	5.08E+00
5658	482789.21	3853280.4	4.87E+00	5.29E-04	1.66E-02	7.67E-03	4.89E+00	5.08E+00	5.41E+00	1.52E+00	2.62E-01	1.23E+01	5.07E+00	6.19E-04	1.66E-02	7.67E-03	5.09E+00
5659	482830.46	3853360.96	4.86E+00	5.31E-04	1.69E-02	7.87E-03	4.89E+00	5.07E+00	5.42E+00	1.54E+00	2.69E-01	1.23E+01	5.06E+00	6.21E-04	1.69E-02	7.87E-03	5.09E+00
5660	482871.71	3853441.52	4.83E+00	5.33E-04	1.72E-02	8.11E-03	4.85E+00	5.04E+00	5.45E+00	1.57E+00	2.77E-01	1.23E+01	5.03E+00	6.24E-04	1.72E-02	8.11E-03	5.05E+00
5661	482912.95	3853522.07	4.78E+00	5.28E-04	1.74E-02	8.39E-03	4.80E+00	4.98E+00	5.39E+00	1.59E+00	2.87E-01	1.23E+01	4.97E+00	6.18E-04	1.74E-02	8.39E-03	5.00E+00
5662	482954.2	3853602.63	4.70E+00	5.22E-04	1.76E-02	8.71E-03	4.72E+00	4.90E+00	5.33E+00	1.60E+00	2.98E-01	1.21E+01	4.89E+00	6.10E-04	1.76E-02	8.71E-03	4.92E+00
5663	482995.45	3853683.19	4.58E+00	5.10E-04	1.78E-02	9.05E-03	4.61E+00	4.78E+00	5.21E+00	1.62E+00	3.10E-01	1.19E+01	4.77E+00	5.97E-04	1.78E-02	9.05E-03	4.80E+00
5664	483036.7	3853763.75	4.65E+00	4.97E-04	1.79E-02	9.37E-03	4.68E+00	4.85E+00	5.08E+00	1.63E+00	3.20E-01	1.19E+01	4.84E+00	5.81E-04	1.79E-02	9.37E-03	4.87E+00
5665	483214.2	3853909.91	5.04E+00	4.35E-04	1.84E-02	9.74E-03	5.07E+00	5.26E+00	4.44E+00	1.67E+00	3.33E-01	1.17E+01	5.25E+00	5.09E-04	1.84E-02	9.74E-03	5.28E+00
5666	483307.01	3853910.44	5.37E+00	4.43E-04	1.86E-02	8.54E-03	5.40E+00	5.60E+00	4.53E+00	1.69E+00	2.92E-01	1.21E+01	5.59E+00	5.18E-04	1.86E-02	8.54E-03	5.62E+00
5667	483399.83	3853910.96	5.66E+00	4.26E-04	1.86E-02	7.95E-03	5.69E+00	5.91E+00	4.35E+00	1.70E+00	2.72E-01	1.22E+01	5.89E+00	4.98E-04	1.86E-02	7.95E-03	5.92E+00
5668	483494.52	3854009.24	5.88E+00	4.18E-04	1.89E-02	9.55E-03	5.91E+00	6.14E+00	4.27E+00	1.73E+00	3.27E-01	1.25E+01	6.12E+00	4.89E-04	1.89E-02	9.55E-03	6.15E+00
5669	483496.41	3854106.98	5.79E+00	4.33E-04	1.92E-02	1.05E-02	5.82E+00	6.04E+00	4.42E+00	1.75E+00	3.61E-01	1.26E+01	6.03E+00	5.06E-04	1.92E-02	1.05E-02	6.06E+00

5670	483577.56	3854261.96	5.95E+00	3.92E-04	1.94E-02	1.12E-02	5.98E+00	6.20E+00	4.00E+00	1.77E+00	3.84E-01	1.24E+01	6.19E+00	4.58E-04	1.94E-02	1.12E-02	6.22E+00
5671	483656.83	3854319.19	6.29E+00	3.53E-04	1.97E-02	1.16E-02	6.32E+00	6.56E+00	3.61E+00	1.79E+00	3.96E-01	1.24E+01	6.55E+00	4.13E-04	1.97E-02	1.16E-02	6.58E+00
5672	483736.1	3854376.41	6.60E+00	3.14E-04	1.99E-02	1.20E-02	6.63E+00	6.89E+00	3.21E+00	1.82E+00	4.09E-01	1.23E+01	6.87E+00	3.67E-04	1.99E-02	1.20E-02	6.91E+00
5673	483815.36	3854433.64	6.84E+00	2.82E-04	2.02E-02	1.35E-02	6.88E+00	7.14E+00	2.88E+00	1.84E+00	4.63E-01	1.23E+01	7.13E+00	3.30E-04	2.02E-02	1.35E-02	7.16E+00
5674	483894.63	3854490.87	6.88E+00	2.61E-04	2.05E-02	1.56E-02	6.92E+00	7.18E+00	2.67E+00	1.87E+00	5.32E-01	1.22E+01	7.17E+00	3.05E-04	2.05E-02	1.56E-02	7.20E+00
5675	483973.9	3854548.1	6.76E+00	2.45E-04	2.07E-02	1.92E-02	6.80E+00	7.05E+00	2.50E+00	1.89E+00	6.57E-01	1.21E+01	7.04E+00	2.86E-04	2.07E-02	1.92E-02	7.08E+00
5676	484053.17	3854605.32	6.64E+00	2.25E-04	2.10E-02	1.97E-02	6.68E+00	6.93E+00	2.30E+00	1.92E+00	6.73E-01	1.18E+01	6.91E+00	2.63E-04	2.10E-02	1.97E-02	6.95E+00
5677	484214.97	3854698.15	6.51E+00	2.05E-04	2.16E-02	1.90E-02	6.55E+00	6.79E+00	2.09E+00	1.97E+00	6.49E-01	1.15E+01	6.78E+00	2.40E-04	2.16E-02	1.90E-02	6.82E+00
5678	484297.5	3854733.74	7.00E+00	2.02E-04	2.18E-02	1.97E-02	7.04E+00	7.31E+00	2.06E+00	1.99E+00	6.75E-01	1.20E+01	7.29E+00	2.36E-04	2.18E-02	1.97E-02	7.33E+00
5679	484380.03	3854769.34	7.05E+00	1.99E-04	2.20E-02	1.69E-02	7.09E+00	7.36E+00	2.03E+00	2.01E+00	5.79E-01	1.20E+01	7.34E+00	2.33E-04	2.20E-02	1.69E-02	7.38E+00
5680	484462.56	3854804.94	7.57E+00	2.03E-04	2.21E-02	1.72E-02	7.61E+00	7.90E+00	2.08E+00	2.02E+00	5.89E-01	1.26E+01	7.89E+00	2.38E-04	2.21E-02	1.72E-02	7.93E+00
5681	484545.09	3854840.53	7.16E+00	2.00E-04	2.22E-02	2.10E-02	7.20E+00	7.47E+00	2.04E+00	2.03E+00	7.20E-01	1.23E+01	7.45E+00	2.33E-04	2.22E-02	2.10E-02	7.50E+00
5682	484691.88	3854912.58	7.38E+00	2.06E-04	2.24E-02	1.40E-02	7.42E+00	7.70E+00	2.11E+00	2.04E+00	4.80E-01	1.23E+01	7.69E+00	2.41E-04	2.24E-02	1.40E-02	7.73E+00
5683	484830.81	3855012.51	7.67E+00	2.10E-04	2.28E-02	1.32E-02	7.71E+00	8.00E+00	2.15E+00	2.08E+00	4.53E-01	1.27E+01	7.99E+00	2.46E-04	2.28E-02	1.32E-02	8.03E+00
5684	484905.48	3855075.97	8.33E+00	2.13E-04	2.31E-02	1.69E-02	8.37E+00	8.69E+00	2.17E+00	2.11E+00	5.77E-01	1.35E+01	8.67E+00	2.49E-04	2.31E-02	1.69E-02	8.71E+00
5685	484980.14	3855139.44	8.57E+00	2.13E-04	2.34E-02	2.27E-02	8.61E+00	8.94E+00	2.17E+00	2.13E+00	7.76E-01	1.40E+01	8.92E+00	2.49E-04	2.34E-02	2.27E-02	8.97E+00
5686	485054.81	3855202.91	8.49E+00	2.11E-04	2.37E-02	2.33E-02	8.54E+00	8.86E+00	2.16E+00	2.16E+00	7.97E-01	1.40E+01	8.84E+00	2.47E-04	2.37E-02	2.33E-02	8.89E+00
5687	485129.48	3855266.37	8.06E+00	2.08E-04	2.41E-02	2.06E-02	8.10E+00	8.41E+00	2.12E+00	2.20E+00	7.03E-01	1.34E+01	8.39E+00	2.43E-04	2.41E-02	2.06E-02	8.43E+00
5688	485204.15	3855329.84	8.24E+00	2.08E-04	2.44E-02	3.04E-02	8.29E+00	8.59E+00	2.13E+00	2.23E+00	1.04E+00	1.40E+01	8.58E+00	2.43E-04	2.44E-02	3.04E-02	8.63E+00
5689	485278.82	3855393.31	8.09E+00	2.08E-04	2.48E-02	3.66E-02	8.15E+00	8.44E+00	2.13E+00	2.26E+00	1.25E+00	1.41E+01	8.42E+00	2.44E-04	2.48E-02	3.66E-02	8.49E+00
5690	485353.48	3855456.77	8.05E+00	2.08E-04	2.52E-02	3.19E-02	8.11E+00	8.40E+00	2.13E+00	2.29E+00	1.09E+00	1.39E+01	8.39E+00	2.44E-04	2.52E-02	3.19E-02	8.44E+00
5691	485428.15	3855520.24	7.94E+00	2.11E-04	2.55E-02	3.75E-02	8.00E+00	8.28E+00	2.15E+00	2.33E+00	1.28E+00	1.40E+01	8.26E+00	2.46E-04	2.55E-02	3.75E-02	8.33E+00
5692	485502.82	3855583.71	7.91E+00	2.12E-04	2.59E-02	3.48E-02	7.97E+00	8.25E+00	2.16E+00	2.36E+00	1.19E+00	1.40E+01	8.23E+00	2.47E-04	2.59E-02	3.48E-02	8.29E+00
5693	485577.49	3855647.17	8.15E+00	2.13E-04	2.63E-02	2.74E-02	8.20E+00	8.50E+00	2.18E+00	2.40E+00	9.37E-01	1.40E+01	8.49E+00	2.49E-04	2.63E-02	2.74E-02	8.54E+00
5694	485652.16	3855710.64	8.34E+00	2.17E-04	2.67E-02	2.34E-02	8.39E+00	8.70E+00	2.22E+00	2.44E+00	7.99E-01	1.42E+01	8.68E+00	2.54E-04	2.67E-02	2.34E-02	8.73E+00
5695	485726.83	3855774.1	8.44E+00	2.15E-04	2.72E-02	2.83E-02	8.49E+00	8.80E+00	2.20E+00	2.48E+00	9.68E-01	1.44E+01	8.79E+00	2.52E-04	2.72E-02	2.83E-02	8.84E+00
5696	485801.49	3855837.57	8.22E+00	2.10E-04	2.76E-02	2.76E-02	8.27E+00	8.57E+00	2.15E+00	2.52E+00	9.45E-01	1.42E+01	8.56E+00	2.46E-04	2.76E-02	2.76E-02	8.61E+00
5697	485876.16	3855901.04	8.33E+00	2.14E-04	2.81E-02	2.74E-02	8.38E+00	8.69E+00	2.18E+00	2.56E+00	9.36E-01	1.44E+01	8.67E+00	2.50E-04	2.81E-02	2.74E-02	8.73E+00
5698	485950.83	3855964.5	8.15E+00	2.27E-04	2.85E-02	2.85E-02	8.21E+00	8.50E+00	2.32E+00	2.60E+00	9.74E-01	1.44E+01	8.49E+00	2.65E-04	2.85E-02	2.85E-02	8.54E+00
5699	486025.5	3856027.97	8.11E+00	2.35E-04	2.90E-02	3.04E-02	8.17E+00	8.46E+00	2.40E+00	2.64E+00	1.04E+00	1.45E+01	8.44E+00	2.75E-04	2.90E-02	3.04E-02	8.50E+00
5700	486100.17	3856091.44	8.40E+00	2.46E-04	2.95E-02	2.53E-02	8.46E+00	8.77E+00	2.52E+00	2.69E+00	8.64E-01	1.48E+01	8.75E+00	2.88E-04	2.95E-02	2.53E-02	8.81E+00
5701	486174.83	3856154.9	8.38E+00	2.47E-04	3.00E-02	2.17E-02	8.44E+00	8.75E+00	2.52E+00	2.74E+00	7.42E-01	1.48E+01	8.73E+00	2.89E-04	3.00E-02	2.17E-02	8.78E+00
5702	486249.5	3856218.37	8.00E+00	2.42E-04	3.05E-02	2.36E-02	8.05E+00	8.34E+00	2.48E+00	2.78E+00	8.09E-01	1.44E+01	8.33E+00	2.84E-04	3.05E-02	2.36E-02	8.38E+00
5703	486324.17	3856281.84	7.60E+00	2.40E-04	3.11E-02	2.51E-02	7.65E+00	7.93E+00	2.45E+00	2.83E+00	8.59E-01	1.41E+01	7.91E+00	2.81E-04	3.11E-02	2.51E-02	7.97E+00
5704	486398.84	3856345.3	7.80E+00	2.42E-04	3.16E-02	2.52E-02	7.86E+00	8.14E+00	2.48E+00	2.88E+00	8.61E-01	1.44E+01	8.12E+00	2.84E-04	3.16E-02	2.52E-02	8.18E+00
5705	486473.51	3856408.77	7.85E+00	2.44E-04	3.23E-02	2.66E-02	7.91E+00	8.19E+00	2.49E+00	2.95E+00	9.09E-01	1.45E+01	8.17E+00	2.85E-04	3.23E-02	2.66E-02	8.23E+00
5706	486548.17	3856472.24	8.08E+00	2.47E-04	3.30E-02	2.63E-02	8.14E+00	8.43E+00	2.52E+00	3.01E+00	8.98E-01	1.49E+01	8.42E+00	2.89E-04	3.30E-02	2.63E-02	8.48E+00
5707	486622.84	3856535.7	8.31E+00	2.50E-04	3.37E-02	2.50E-02	8.37E+00	8.67E+00	2.55E+00	3.08E+00	8.56E-01	1.51E+01	8.65E+00	2.92E-04	3.37E-02	2.50E-02	8.71E+00
5708	486765.48	3856659.69	8.75E+00	2.53E-04	3.54E-02	2.08E-02	8.81E+00	9.13E+00	2.59E+00	3.23E+00	7.11E-01	1.57E+01	9.11E+00	2.96E-04	3.54E-02	2.08E-02	9.17E+00
5709	486833.44	3856720.2	8.90E+00	2.55E-04	3.64E-02	1.93E-02	8.95E+00	9.28E+00	2.60E+00	3.32E+00	6.59E-01	1.59E+01	9.26E+00	2.98E-04	3.64E-02	1.93E-02	9.32E+00
5710	486901.41	3856780.72	9.03E+00	2.60E-04	3.74E-02	1.76E-02	9.09E+00	9.43E+00	2.66E+00	3.41E+00	6.03E-01	1.61E+01	9.41E+00	3.05E-04	3.74E-02	1.76E-02	9.46E+00
5711	486969.38	3856841.24	9.14E+00	2.65E-04	3.85E-02	1.62E-02	9.19E+00	9.53E+00	2.70E+00	3.52E+00	5.53E-01	1.63E+01	9.52E+00	3.10E-04	3.85E-02	1.62E-02	9.57E+00
5712	487037.34	3856901.75	9.24E+00	2.68E-04	4.00E-02	1.56E-02	9.29E+00	9.64E+00	2.74E+00	3.64E+00	5.34E-01	1.66E+01	9.62E+00	3.14E-04	4.00E-02	1.56E-02	9.68E+00
5713	487271.23	3856855.51	6.91E+00	3.48E-04	4.29E-02	1.62E-02	6.97E+00	7.21E+00	3.56E+00	3.91E+00	5.53E-01	1.52E+01	7.20E+00	4.07E-04	4.29E-02	1.62E-02	7.26E+00
5714	487368.96	3856857.29	6.55E+00	3.56E-04	4.86E-02	1.59E-02	6.61E+00	6.83E+00	3.64E+00	4.44E+00	5.45E-01	1.55E+01	6.82E+00	4.17E-04	4.86E-02	1.59E-02	6.88E+00
5715	487466.68	3856859.06	6.21E+00	3.65E-04	5.52E-02	1.54E-02	6.28E+00	6.48E+00	3.73E+00	5.03E+00	5.28E-01	1.58E+01	6.47E+00	4.28E-04	5.52E-02	1.54E-02	6.54E+00
5716	487636.44	3856930	5.92E+00	3.90E-04	7.01E-02	1.37E-02	6.00E+00	6.17E+00	3.99E+00	6.40E+00	4.69E-01	1.70E+01	6.16E+00	4.57E-04	7.01E-02	1.37E-02	6.25E+00
5717	487709.57	3856928.43	5.71E+00	3.97E-04	7.61E-02	1.33E-02	5.80E+00	5.96E+00	4.05E+00	6.94E+00	4.56E-01	1.74E+01	5.95E+00	4.64E-04	7.61E-02	1.33E-02	6.04E+00
5718	487782.54	3856841.96	5.37E+00	3.83E-04	7.66E-02	1.40E-02	5.46E+00	5.61E+00	3.91E+00	6.99E+00	4.80E-01	1.70E+01	5.59E+00	4.48E-04	7.66E-02	1.40E-02	5.69E+00
5719	487849.83	3856754.74	5.08E+00	3.76E-04	8.03E-02	1.42E-02	5.18E+00	5.30E+00	3.84E+00	7.32E+00	4.86E-01	1.70E+01	5.29E+00	4.40E-04	8.03E-02	1.42E-02	5.39E+00
5720	487918.03	3856819.39	5.06E+00	3.97E-04	7.20E-02	1.33E-02	5.15E+00	5.28E+00	4.05E+00	6.57E+00	4.53E-01	1.64E+01	5.27E+00	4.64E-04	7.20E-02	1.33E-02	5.36E+00
5721	487918.8	3856886.37	5.16E+00	4.07E-04	7.60E-02	1.25E-02	5.25E+00	5.39E+00	4.16E+00	6.93E+00	4.27E-01	1.69E+01	5.38E+00	4.76E-04	7.60E-02	1.25E-02	5.47E+00
5722	488065.47	3857127.5	5.27E+00	4.64E-04	6.24E-02	9.26E-03	5.35E+00	5.50E+00	4.74E+00	5.69E+00	3.17E-01	1.62E+01	5.49E+00	5.43E-04	6.24E-02	9.26E-03	5.56E+00
5723	488192.19	3857385.83	5.62E+00	5.90E-04	9.64E-02	1.00E-02	5.72E+00	5.86E+00	6.03E+00	8.80E+00	3.42E-01	2.10E+01	5.85E+00	6.91E-04	9.64E-02	1.00E-02	5.96E+00
5724	488191.22	3857473.87	5.71E+00	6.31E-04	1.06E-01	9.09E-03	5.83E+00	5.96E+00	6.44E+00	9.68E+00	3.11E-01	2.24E+01	5.95E+00	7.38E-04	1.06E-01	9.09E-03	6.06E+00
5725	488190.24	3857561.9	5.65E+00	6.71E-04	1.20E-01	1.14E-02	5.78E+00	5.89E+00	6.85E+00	1.10E+01	3.89E-01	2.41E+01	5.88E+00	7.85E-04	1.20E-01	1.14E-02	6.02E+00
5726	488158.35	3857691.13	5.50E+00	7.11E-04	1.72E-01	1.35E-02	5.68E+00	5.73E+00	7.27E+00	1.57E+01	4.61E-01	2.92E+01	5.72E+00	8.32E-04	1.72E-01	1.35E-02	5.91E+00
5727	488208.37	3857816.66	5.34E+00	7.66E-04	2.30E-01	1.51E-02	5.58E+00	5.57E+00	7.82E+00	2.10E+01	5.15E-01	3.49E+01	5.56E+00	8.96E-04	2.30E-01	1.51E-02	5.80E+00
5728	488271.97	3857874.6	5.22E+00	7.90E-04	2.66E-01	1.41E-02	5.50E+00	5.45E+00	8.07E+00	2.43E+01	4.82E-01	3.83E+01	5.43E+00	9.25E-04	2.66E-01	1.41E-02	5.72E+00
5729	488463.56	3857942.31	5.02E+00	8.20E-04	2.57E-01	1.54E-02	5.29E+00	5.24E+00	8.38E+00	2.35E+01	5.26E-01	3.76E+01	5.23E+00	9.59E-04	2.57E-01	1.54E-02	5.50E+00
5730	488554.83	3857940.83	4.97E+00	8.27E-04	2.49E-01	1.67E-02	5.24E+00	5.19E+00	8.45E+00	2.27E+01	5.70E-01	3.69E+01	5.18E+00	9.68E-04	2.49E-01	1.67E-02	5.44E+00

5731	488646.1	3857939.36	5.00E+00	8.13E-04	2.30E-01	1.65E-02	5.24E+00	5.21E+00	8.31E+00	2.09E+01	5.64E-01	3.50E+01	5.20E+00	9.51E-04	2.30E-01	1.65E-02	5.45E+00
5732	488737.37	3857937.88	4.98E+00	7.92E-04	2.12E-01	1.59E-02	5.21E+00	5.19E+00	8.09E+00	1.93E+01	5.44E-01	3.32E+01	5.18E+00	9.27E-04	2.12E-01	1.59E-02	5.41E+00
5733	488733.59	3857960.57	4.95E+00	8.00E-04	2.10E-01	1.62E-02	5.18E+00	5.17E+00	8.17E+00	1.92E+01	5.52E-01	3.30E+01	5.16E+00	9.36E-04	2.10E-01	1.62E-02	5.38E+00
5734	488638.09	3857961.57	4.95E+00	8.21E-04	2.33E-01	1.65E-02	5.20E+00	5.16E+00	8.38E+00	2.13E+01	5.63E-01	3.54E+01	5.15E+00	9.60E-04	2.33E-01	1.65E-02	5.40E+00
5735	488542.6	3857962.56	4.97E+00	8.36E-04	2.56E-01	1.70E-02	5.25E+00	5.19E+00	8.54E+00	2.33E+01	5.80E-01	3.76E+01	5.18E+00	9.78E-04	2.56E-01	1.70E-02	5.45E+00
5736	488447.1	3857963.56	5.03E+00	8.28E-04	2.73E-01	1.60E-02	5.32E+00	5.25E+00	8.46E+00	2.49E+01	5.47E-01	3.92E+01	5.24E+00	9.68E-04	2.73E-01	1.60E-02	5.53E+00
5737	488254.28	3857890.36	5.14E+00	7.97E-04	2.69E-01	1.42E-02	5.42E+00	5.36E+00	8.14E+00	2.46E+01	4.86E-01	3.86E+01	5.35E+00	9.32E-04	2.69E-01	1.42E-02	5.63E+00
5738	488191.69	3857833.06	5.27E+00	7.66E-04	2.33E-01	1.52E-02	5.52E+00	5.50E+00	7.82E+00	2.13E+01	5.20E-01	3.51E+01	5.49E+00	8.96E-04	2.33E-01	1.52E-02	5.74E+00
5739	488129.5	3857907.43	5.17E+00	7.79E-04	2.26E-01	1.60E-02	5.41E+00	5.39E+00	7.96E+00	2.06E+01	5.46E-01	3.45E+01	5.38E+00	9.11E-04	2.26E-01	1.60E-02	5.63E+00
5740	488196.47	3857968.73	5.00E+00	8.28E-04	2.64E-01	1.42E-02	5.27E+00	5.21E+00	8.46E+00	2.41E+01	4.86E-01	3.83E+01	5.20E+00	9.68E-04	2.64E-01	1.42E-02	5.48E+00
5741	488263.44	3858030.04	4.81E+00	8.56E-04	3.49E-01	1.48E-02	5.18E+00	5.02E+00	8.74E+00	3.19E+01	5.06E-01	4.61E+01	5.01E+00	1.00E-03	3.49E-01	1.48E-02	5.38E+00
5742	488400.64	3858132.9	4.46E+00	8.81E-04	3.54E-01	1.85E-02	4.83E+00	4.65E+00	9.00E+00	3.23E+01	6.33E-01	4.66E+01	4.65E+00	1.03E-03	3.54E-01	1.85E-02	5.02E+00
5743	488519.89	3858218.38	4.23E+00	9.82E-04	2.75E-01	1.71E-02	4.52E+00	4.41E+00	1.00E+01	2.51E+01	5.84E-01	4.01E+01	4.40E+00	1.15E-03	2.75E-01	1.71E-02	4.70E+00
5744	488647.97	3858214.99	4.57E+00	9.54E-04	2.46E-01	1.42E-02	4.84E+00	4.77E+00	9.75E+00	2.24E+01	4.85E-01	3.75E+01	4.76E+00	1.12E-03	2.46E-01	1.42E-02	5.02E+00
5745	488727.05	3858167.67	4.70E+00	9.26E-04	2.14E-01	1.49E-02	4.93E+00	4.91E+00	9.46E+00	1.95E+01	5.10E-01	3.44E+01	4.90E+00	1.08E-03	2.14E-01	1.49E-02	5.13E+00
5746	488806.12	3858120.35	4.70E+00	8.95E-04	1.91E-01	1.57E-02	4.91E+00	4.91E+00	9.15E+00	1.74E+01	5.35E-01	3.20E+01	4.90E+00	1.05E-03	1.91E-01	1.57E-02	5.11E+00
5747	488885.2	3858073.03	4.78E+00	8.58E-04	1.81E-01	1.55E-02	4.98E+00	4.99E+00	8.76E+00	1.65E+01	5.32E-01	3.08E+01	4.98E+00	1.00E-03	1.81E-01	1.55E-02	5.18E+00
5748	489055.76	3857991.17	4.74E+00	7.75E-04	1.52E-01	1.50E-02	4.91E+00	4.95E+00	7.92E+00	1.38E+01	5.11E-01	2.72E+01	4.94E+00	9.07E-04	1.52E-01	1.50E-02	5.11E+00
5749	489245.39	3857944.54	4.71E+00	6.65E-04	1.29E-01	1.43E-02	4.86E+00	4.92E+00	6.79E+00	1.18E+01	4.90E-01	2.40E+01	4.91E+00	7.78E-04	1.29E-01	1.43E-02	5.05E+00
5750	489430.63	3857930.91	4.45E+00	6.39E-04	1.14E-01	1.21E-02	4.58E+00	4.65E+00	6.53E+00	1.04E+01	4.14E-01	2.20E+01	4.64E+00	7.47E-04	1.14E-01	1.21E-02	4.77E+00
5751	489517.74	3857929.36	4.31E+00	6.16E-04	1.11E-01	1.09E-02	4.43E+00	4.50E+00	6.29E+00	1.01E+01	3.71E-01	2.13E+01	4.49E+00	7.20E-04	1.11E-01	1.09E-02	4.61E+00
5752	489604.85	3857927.82	4.16E+00	5.69E-04	1.08E-01	9.34E-03	4.28E+00	4.34E+00	5.82E+00	9.84E+00	3.19E-01	2.03E+01	4.33E+00	6.66E-04	1.08E-01	9.34E-03	4.45E+00
5753	489691.97	3857926.28	4.03E+00	5.47E-04	1.04E-01	8.69E-03	4.14E+00	4.20E+00	5.59E+00	9.52E+00	2.97E-01	1.96E+01	4.19E+00	6.40E-04	1.04E-01	8.69E-03	4.31E+00
5754	489779.08	3857924.73	3.92E+00	5.17E-04	1.01E-01	8.62E-03	4.03E+00	4.09E+00	5.28E+00	9.25E+00	2.95E-01	1.89E+01	4.09E+00	6.05E-04	1.01E-01	8.62E-03	4.20E+00
5755	490017.54	3857875.08	3.56E+00	4.24E-04	9.41E-02	8.93E-03	3.66E+00	3.72E+00	4.33E+00	8.58E+00	3.05E-01	1.69E+01	3.71E+00	4.96E-04	9.41E-02	8.93E-03	3.81E+00
5756	490033.82	3857960.81	3.68E+00	4.34E-04	9.62E-02	9.30E-03	3.78E+00	3.83E+00	4.44E+00	8.77E+00	3.18E-01	1.74E+01	3.83E+00	5.08E-04	9.62E-02	9.30E-03	3.93E+00
5757	489959.15	3857987.49	3.77E+00	4.65E-04	9.90E-02	9.06E-03	3.87E+00	3.93E+00	4.75E+00	9.03E+00	3.10E-01	1.80E+01	3.92E+00	5.44E-04	9.90E-02	9.06E-03	4.03E+00
5758	489791.49	3858016.12	4.05E+00	5.17E-04	1.05E-01	8.75E-03	4.16E+00	4.22E+00	5.28E+00	9.54E+00	2.99E-01	1.93E+01	4.21E+00	6.05E-04	1.05E-01	8.75E-03	4.33E+00
5759	489698.51	3858018.07	4.20E+00	5.55E-04	1.08E-01	8.90E-03	4.32E+00	4.38E+00	5.67E+00	9.81E+00	3.04E-01	2.02E+01	4.37E+00	6.49E-04	1.08E-01	8.90E-03	4.49E+00
5760	489605.52	3858020.02	4.35E+00	5.90E-04	1.10E-01	9.19E-03	4.47E+00	4.54E+00	6.03E+00	1.01E+01	3.14E-01	2.10E+01	4.53E+00	6.90E-04	1.10E-01	9.19E-03	4.65E+00
5761	489512.53	3858021.96	4.48E+00	6.28E-04	1.13E-01	1.05E-02	4.61E+00	4.68E+00	6.42E+00	1.03E+01	3.58E-01	2.18E+01	4.67E+00	7.35E-04	1.13E-01	1.05E-02	4.79E+00
5762	489419.55	3858023.91	4.58E+00	6.77E-04	1.17E-01	1.16E-02	4.71E+00	4.78E+00	6.92E+00	1.06E+01	3.95E-01	2.27E+01	4.77E+00	7.92E-04	1.17E-01	1.16E-02	4.90E+00
5763	489228.47	3858041.29	4.69E+00	6.87E-04	1.37E-01	1.27E-02	4.84E+00	4.89E+00	7.02E+00	1.25E+01	4.33E-01	2.49E+01	4.88E+00	8.04E-04	1.37E-01	1.27E-02	5.03E+00
5764	489065.75	3858085.78	4.69E+00	7.88E-04	1.55E-01	1.32E-02	4.86E+00	4.89E+00	8.05E+00	1.41E+01	4.52E-01	2.75E+01	4.88E+00	9.21E-04	1.55E-01	1.32E-02	5.05E+00
5765	489001.12	3858114.86	4.71E+00	8.27E-04	1.64E-01	1.31E-02	4.89E+00	4.91E+00	8.44E+00	1.50E+01	4.47E-01	2.88E+01	4.90E+00	9.67E-04	1.64E-01	1.31E-02	5.08E+00
5766	488861.89	3858189.81	4.65E+00	8.87E-04	1.84E-01	1.27E-02	4.85E+00	4.85E+00	9.06E+00	1.68E+01	4.36E-01	3.12E+01	4.84E+00	1.04E-03	1.84E-01	1.27E-02	5.04E+00
5767	488787.28	3858235.69	4.63E+00	9.48E-04	1.91E-01	1.26E-02	4.83E+00	4.83E+00	9.69E+00	1.74E+01	4.30E-01	3.24E+01	4.82E+00	1.11E-03	1.91E-01	1.26E-02	5.02E+00
5768	488712.68	3858281.57	4.47E+00	9.73E-04	2.32E-01	1.21E-02	4.72E+00	4.67E+00	9.94E+00	2.11E+01	4.13E-01	3.62E+01	4.66E+00	1.14E-03	2.32E-01	1.21E-02	4.90E+00
5769	488654.39	3858436.17	3.73E+00	1.10E-03	1.58E-01	1.24E-02	3.90E+00	3.89E+00	1.13E+01	1.44E+01	4.23E-01	3.00E+01	3.89E+00	1.29E-03	1.58E-01	1.24E-02	4.06E+00
5770	488726.3	3858505.26	3.62E+00	1.13E-03	1.31E-01	1.35E-02	3.76E+00	3.77E+00	1.16E+01	1.20E+01	4.63E-01	2.78E+01	3.77E+00	1.33E-03	1.31E-01	1.35E-02	3.91E+00
5771	488880.6	3858599.28	3.35E+00	1.11E-03	1.02E-01	1.35E-02	3.47E+00	3.50E+00	1.14E+01	9.34E+00	4.62E-01	2.47E+01	3.49E+00	1.30E-03	1.02E-01	1.35E-02	3.61E+00
5772	489008.06	3858714.75	3.20E+00	1.12E-03	8.68E-02	1.52E-02	3.30E+00	3.34E+00	1.15E+01	7.92E+00	5.20E-01	2.33E+01	3.33E+00	1.32E-03	8.68E-02	1.52E-02	3.44E+00
5773	489071.48	3858772.72	3.13E+00	1.05E-03	8.03E-02	1.44E-02	3.22E+00	3.26E+00	1.08E+01	7.32E+00	4.92E-01	2.19E+01	3.26E+00	1.23E-03	8.03E-02	1.44E-02	3.35E+00
5774	489244.59	3858920.19	2.93E+00	1.11E-03	6.73E-02	1.27E-02	3.01E+00	3.06E+00	1.13E+01	6.14E+00	4.34E-01	2.10E+01	3.05E+00	1.30E-03	6.73E-02	1.27E-02	3.13E+00
5775	489239.69	3858952.23	2.93E+00	1.16E-03	6.43E-02	1.29E-02	3.01E+00	3.06E+00	1.18E+01	5.86E+00	4.40E-01	2.12E+01	3.05E+00	1.35E-03	6.43E-02	1.29E-02	3.13E+00
5776	489121.67	3858854.49	3.07E+00	1.09E-03	7.17E-02	1.32E-02	3.16E+00	3.20E+00	1.12E+01	6.54E+00	4.50E-01	2.14E+01	3.20E+00	1.28E-03	7.17E-02	1.32E-02	3.28E+00
5777	489059.59	3858797.27	3.15E+00	1.07E-03	7.79E-02	1.45E-02	3.24E+00	3.29E+00	1.10E+01	7.10E+00	4.96E-01	2.18E+01	3.28E+00	1.25E-03	7.79E-02	1.45E-02	3.37E+00
5778	488997.52	3858740.04	3.23E+00	1.14E-03	8.45E-02	1.53E-02	3.33E+00	3.37E+00	1.16E+01	7.71E+00	5.25E-01	2.32E+01	3.37E+00	1.33E-03	8.45E-02	1.53E-02	3.47E+00
5779	488935.44	3858682.82	3.31E+00	1.15E-03	9.19E-02	1.40E-02	3.42E+00	3.46E+00	1.17E+01	8.38E+00	4.80E-01	2.40E+01	3.45E+00	1.34E-03	9.19E-02	1.40E-02	3.56E+00
5780	488869.17	3858848.43	3.65E+00	1.38E-03	5.92E-02	1.53E-02	3.72E+00	3.80E+00	1.41E+01	5.39E+00	5.24E-01	2.38E+01	3.80E+00	1.61E-03	5.92E-02	1.53E-02	3.87E+00
5781	488932.48	3858892.69	3.63E+00	1.33E-03	5.76E-02	1.55E-02	3.71E+00	3.79E+00	1.36E+01	5.25E+00	5.29E-01	2.32E+01	3.78E+00	1.56E-03	5.76E-02	1.55E-02	3.86E+00
5782	489063.27	3858977.17	3.57E+00	1.33E-03	5.62E-02	1.51E-02	3.65E+00	3.73E+00	1.36E+01	5.12E+00	5.16E-01	2.30E+01	3.72E+00	1.56E-03	5.62E-02	1.51E-02	3.79E+00
5783	489248.2	3859117.15	2.96E+00	1.27E-03	5.66E-02	1.18E-02	3.03E+00	3.09E+00	1.29E+01	5.16E+00	4.04E-01	2.16E+01	3.08E+00	1.48E-03	5.66E-02	1.18E-02	3.15E+00
5784	489296.25	3859049.22	2.94E+00	1.20E-03	6.03E-02	1.14E-02	3.01E+00	3.06E+00	1.22E+01	5.50E+00	3.90E-01	2.12E+01	3.06E+00	1.40E-03	6.03E-02	1.14E-02	3.13E+00
5785	489353.38	3858993.96	2.86E+00	1.12E-03	6.56E-02	1.13E-02	2.93E+00	2.98E+00	1.14E+01	5.98E+00	3.86E-01	2.08E+01	2.98E+00	1.31E-03	6.56E-02	1.13E-02	3.05E+00
5786	489537.24	3859120.22	3.13E+00	1.08E-03	6.24E-02	1.09E-02	3.20E+00	3.26E+00	1.10E+01	5.69E+00	3.72E-01	2.03E+01	3.26E+00	1.26E-03	6.24E-02	1.09E-02	3.33E+00
5787	489726.98	3859246.04	3.24E+00	1.04E-03	5.98E-02	1.12E-02	3.31E+00	3.38E+00	1.06E+01	5.45E+00	3.82E-01	1.98E+01	3.37E+00	1.22E-03	5.98E-02	1.12E-02	3.44E+00
5788	489911.46	3859366.33	3.24E+00	9.91E-04	5.85E-02	1.21E-02	3.32E+00	3.39E+00	1.01E+01	5.33E+00	4.13E-01	1.93E+01	3.38E+00	1.16E-03	5.85E-02	1.21E-02	3.45E+00
5789	490035.3	3859430.26	3.20E+00	9.77E-04	5.61E-02	1.16E-02	3.27E+00	3.34E+00	9.99E+00	5.12E+00	3.96E-01	1.88E+01	3.33E+00	1.14E-03	5.61E-02	1.16E-02	3.40E+00
5790	490101.11	3859458.61	3.19E+00	9.57E-04	5.53E-02	1.13E-02	3.25E+00	3.32E+00	9.78E+00	5.04E+00	3.88E-01	1.85E+01	3.32E+00	1.12E-03	5.53E-02	1.13E-02	3.39E+00
5791	490312.68	3859560.3	3.13E+00	8.99E-04	5.23E-02	1.10E-02	3.20E+00	3.27E+00	9.19E+00	4.77E+00	3.76E-01	1.76E+01	3.26E+00	1.05E-03	5.23E-02	1.10E-02	3.32E+00

5792	490401.63	3859603.12	3.13E+00	8.76E-04	5.12E-02	1.08E-02	3.19E+00	3.26E+00	8.95E+00	4.67E+00	3.70E-01	1.73E+01	3.26E+00	1.03E-03	5.12E-02	1.08E-02	3.32E+00
5793	490490.57	3859645.94	3.10E+00	8.50E-04	5.01E-02	1.05E-02	3.16E+00	3.23E+00	8.69E+00	4.57E+00	3.61E-01	1.68E+01	3.23E+00	9.95E-04	5.01E-02	1.05E-02	3.29E+00
5794	490579.51	3859688.76	3.10E+00	8.20E-04	4.91E-02	1.07E-02	3.16E+00	3.23E+00	8.38E+00	4.48E+00	3.64E-01	1.65E+01	3.23E+00	9.60E-04	4.91E-02	1.07E-02	3.29E+00
5795	490668.45	3859731.58	3.11E+00	7.83E-04	4.86E-02	1.09E-02	3.17E+00	3.24E+00	8.00E+00	4.43E+00	3.72E-01	1.61E+01	3.24E+00	9.16E-04	4.86E-02	1.09E-02	3.30E+00
5796	490757.4	3859774.4	3.08E+00	7.71E-04	4.74E-02	1.11E-02	3.14E+00	3.22E+00	7.87E+00	4.33E+00	3.78E-01	1.58E+01	3.21E+00	9.01E-04	4.74E-02	1.11E-02	3.27E+00
5797	491003.53	3859861.82	2.97E+00	7.27E-04	4.43E-02	1.11E-02	3.02E+00	3.09E+00	7.42E+00	4.04E+00	3.80E-01	1.49E+01	3.09E+00	8.50E-04	4.43E-02	1.11E-02	3.14E+00
5798	491081.41	3859879.05	2.91E+00	7.17E-04	4.30E-02	1.10E-02	2.96E+00	3.03E+00	7.33E+00	3.92E+00	3.78E-01	1.47E+01	3.03E+00	8.39E-04	4.30E-02	1.10E-02	3.08E+00
5799	491229.76	3859917.82	2.84E+00	6.99E-04	4.18E-02	1.09E-02	2.89E+00	2.96E+00	7.14E+00	3.81E+00	3.72E-01	1.43E+01	2.95E+00	8.18E-04	4.18E-02	1.09E-02	3.01E+00
5800	491300.22	3859939.35	2.81E+00	6.91E-04	4.10E-02	1.08E-02	2.86E+00	2.93E+00	7.06E+00	3.74E+00	3.69E-01	1.41E+01	2.93E+00	8.08E-04	4.10E-02	1.08E-02	2.98E+00
5801	491350.48	3860012.03	2.72E+00	6.77E-04	4.00E-02	1.09E-02	2.77E+00	2.83E+00	6.91E+00	3.65E+00	3.73E-01	1.38E+01	2.83E+00	7.92E-04	4.00E-02	1.09E-02	2.88E+00
5802	491406.82	3860092.56	2.65E+00	6.67E-04	3.89E-02	1.09E-02	2.70E+00	2.76E+00	6.81E+00	3.55E+00	3.72E-01	1.35E+01	2.76E+00	7.80E-04	3.89E-02	1.09E-02	2.81E+00
5803	491483.36	3860121.96	2.61E+00	6.55E-04	3.85E-02	1.07E-02	2.66E+00	2.72E+00	6.69E+00	3.51E+00	3.65E-01	1.33E+01	2.72E+00	7.66E-04	3.85E-02	1.07E-02	2.77E+00
5804	491559.91	3860151.35	2.59E+00	6.44E-04	3.81E-02	1.04E-02	2.64E+00	2.70E+00	6.58E+00	3.47E+00	3.57E-01	1.31E+01	2.69E+00	7.53E-04	3.81E-02	1.04E-02	2.74E+00
5805	491711.81	3860237.76	2.61E+00	6.20E-04	3.89E-02	1.00E-02	2.65E+00	2.72E+00	6.34E+00	3.55E+00	3.42E-01	1.30E+01	2.71E+00	7.26E-04	3.89E-02	1.00E-02	2.76E+00
5806	491755.2	3860319.07	2.43E+00	6.24E-04	3.58E-02	9.31E-03	2.47E+00	2.53E+00	6.38E+00	3.27E+00	3.18E-01	1.25E+01	2.53E+00	7.30E-04	3.58E-02	9.31E-03	2.57E+00
5807	491704.71	3860366.54	2.44E+00	6.48E-04	3.62E-02	9.02E-03	2.49E+00	2.55E+00	6.62E+00	3.30E+00	3.08E-01	1.28E+01	2.54E+00	7.58E-04	3.62E-02	9.02E-03	2.59E+00
5808	491623.42	3860462.39	2.39E+00	7.04E-04	3.71E-02	8.34E-03	2.44E+00	2.50E+00	7.20E+00	3.39E+00	2.85E-01	1.34E+01	2.49E+00	8.24E-04	3.71E-02	8.34E-03	2.54E+00
5809	491534.02	3860439.85	2.53E+00	7.51E-04	4.16E-02	9.13E-03	2.58E+00	2.64E+00	7.67E+00	3.79E+00	3.12E-01	1.44E+01	2.63E+00	8.79E-04	4.16E-02	9.13E-03	2.68E+00
5810	491313.95	3860268.17	2.53E+00	7.22E-04	3.90E-02	1.00E-02	2.58E+00	2.64E+00	7.38E+00	3.55E+00	3.42E-01	1.39E+01	2.64E+00	8.45E-04	3.90E-02	1.00E-02	2.69E+00
5811	491187.12	3860143.56	2.61E+00	7.17E-04	4.07E-02	1.13E-02	2.66E+00	2.72E+00	7.33E+00	3.71E+00	3.88E-01	1.41E+01	2.71E+00	8.39E-04	4.07E-02	1.13E-02	2.77E+00
5812	491070.43	3860075.97	2.64E+00	7.31E-04	4.23E-02	1.23E-02	2.69E+00	2.75E+00	7.47E+00	3.86E+00	4.22E-01	1.45E+01	2.75E+00	8.55E-04	4.23E-02	1.23E-02	2.80E+00
5813	490995.09	3860039.38	2.66E+00	7.41E-04	4.33E-02	1.26E-02	2.72E+00	2.77E+00	7.57E+00	3.95E+00	4.31E-01	1.47E+01	2.77E+00	8.67E-04	4.33E-02	1.26E-02	2.83E+00
5814	490919.75	3860002.8	2.68E+00	7.51E-04	4.43E-02	1.27E-02	2.73E+00	2.79E+00	7.68E+00	4.04E+00	4.35E-01	1.49E+01	2.79E+00	8.79E-04	4.43E-02	1.27E-02	2.84E+00
5815	490756.81	3859894.53	2.65E+00	7.79E-04	4.72E-02	1.19E-02	2.71E+00	2.77E+00	7.96E+00	4.30E+00	4.08E-01	1.54E+01	2.76E+00	9.12E-04	4.72E-02	1.19E-02	2.82E+00
5816	490668.07	3859860.92	2.67E+00	7.99E-04	4.79E-02	1.18E-02	2.73E+00	2.79E+00	8.16E+00	4.37E+00	4.05E-01	1.57E+01	2.78E+00	9.35E-04	4.79E-02	1.18E-02	2.84E+00
5817	490579.34	3859827.3	2.69E+00	8.20E-04	4.91E-02	1.17E-02	2.75E+00	2.80E+00	8.37E+00	4.48E+00	4.00E-01	1.61E+01	2.80E+00	9.59E-04	4.91E-02	1.17E-02	2.86E+00
5818	490490.6	3859793.68	2.71E+00	8.43E-04	4.97E-02	1.16E-02	2.78E+00	2.83E+00	8.61E+00	4.53E+00	3.95E-01	1.64E+01	2.83E+00	9.86E-04	4.97E-02	1.16E-02	2.89E+00
5819	490401.86	3859760.07	2.76E+00	8.63E-04	5.03E-02	1.14E-02	2.82E+00	2.88E+00	8.82E+00	4.59E+00	3.89E-01	1.67E+01	2.87E+00	1.01E-03	5.03E-02	1.14E-02	2.94E+00
5820	490313.12	3859726.45	2.78E+00	8.88E-04	5.11E-02	1.12E-02	2.84E+00	2.90E+00	9.07E+00	4.66E+00	3.83E-01	1.70E+01	2.90E+00	1.04E-03	5.11E-02	1.12E-02	2.96E+00
5821	490224.39	3859692.83	2.78E+00	9.12E-04	5.23E-02	1.10E-02	2.84E+00	2.90E+00	9.31E+00	4.77E+00	3.77E-01	1.74E+01	2.89E+00	1.07E-03	5.23E-02	1.10E-02	2.96E+00
5822	490135.65	3859659.22	2.78E+00	9.41E-04	5.39E-02	1.11E-02	2.85E+00	2.90E+00	9.61E+00	4.92E+00	3.80E-01	1.78E+01	2.89E+00	1.10E-03	5.39E-02	1.11E-02	2.96E+00
5823	489918.18	3859559.23	2.80E+00	1.02E-03	5.70E-02	1.17E-02	2.87E+00	2.92E+00	1.04E+01	5.20E+00	3.99E-01	1.89E+01	2.92E+00	1.19E-03	5.70E-02	1.17E-02	2.99E+00
5824	489743.61	3859486	2.89E+00	1.08E-03	5.91E-02	1.23E-02	2.96E+00	3.01E+00	1.10E+01	5.39E+00	4.20E-01	1.98E+01	3.01E+00	1.26E-03	5.91E-02	1.23E-02	3.08E+00
5825	489660.32	3859440.27	2.90E+00	1.12E-03	5.88E-02	1.19E-02	2.97E+00	3.03E+00	1.14E+01	5.36E+00	4.06E-01	2.02E+01	3.02E+00	1.30E-03	5.88E-02	1.19E-02	3.09E+00
5826	489577.04	3859394.53	2.91E+00	1.15E-03	5.82E-02	1.14E-02	2.98E+00	3.04E+00	1.18E+01	5.31E+00	3.91E-01	2.05E+01	3.03E+00	1.35E-03	5.82E-02	1.14E-02	3.11E+00
5827	489493.75	3859348.8	2.93E+00	1.20E-03	5.72E-02	1.09E-02	3.00E+00	3.06E+00	1.22E+01	5.21E+00	3.74E-01	2.09E+01	3.05E+00	1.40E-03	5.72E-02	1.09E-02	3.12E+00
5828	489321.28	3859240.02	2.88E+00	1.29E-03	5.38E-02	1.24E-02	2.95E+00	3.01E+00	1.31E+01	4.91E+00	4.24E-01	2.15E+01	3.00E+00	1.50E-03	5.38E-02	1.24E-02	3.07E+00
5829	489235.41	3859193.96	2.75E+00	1.32E-03	5.09E-02	1.25E-02	2.81E+00	2.87E+00	1.34E+01	4.64E+00	4.29E-01	2.14E+01	2.86E+00	1.54E-03	5.09E-02	1.25E-02	2.93E+00
5830	489149.54	3859147.89	3.27E+00	1.40E-03	4.77E-02	1.25E-02	3.33E+00	3.41E+00	1.43E+01	4.35E+00	4.26E-01	2.25E+01	3.40E+00	1.63E-03	4.77E-02	1.25E-02	3.46E+00
5831	489063.68	3859101.82	3.36E+00	1.45E-03	4.91E-02	1.42E-02	3.43E+00	3.51E+00	1.48E+01	4.48E+00	4.85E-01	2.33E+01	3.50E+00	1.70E-03	4.91E-02	1.42E-02	3.57E+00
5832	488977.81	3859055.75	3.43E+00	1.50E-03	5.18E-02	1.75E-02	3.50E+00	3.58E+00	1.53E+01	4.72E+00	5.98E-01	2.42E+01	3.58E+00	1.75E-03	5.18E-02	1.75E-02	3.65E+00
5833	488891.94	3859009.69	3.50E+00	1.63E-03	5.45E-02	1.79E-02	3.57E+00	3.65E+00	1.66E+01	4.97E+00	6.12E-01	2.59E+01	3.64E+00	1.90E-03	5.45E-02	1.79E-02	3.72E+00
5834	488808	3859060.73	3.60E+00	1.83E-03	5.61E-02	1.87E-02	3.67E+00	3.75E+00	1.87E+01	5.11E+00	6.38E-01	2.82E+01	3.75E+00	2.14E-03	5.61E-02	1.87E-02	3.82E+00
5835	488809.93	3859157.85	3.55E+00	2.01E-03	5.20E-02	2.09E-02	3.63E+00	3.71E+00	2.06E+01	4.75E+00	7.16E-01	2.97E+01	3.70E+00	2.36E-03	5.20E-02	2.09E-02	3.78E+00
5836	488811.85	3859254.96	3.46E+00	2.21E-03	4.71E-02	1.69E-02	3.52E+00	3.61E+00	2.25E+01	4.29E+00	5.79E-01	3.10E+01	3.60E+00	2.58E-03	4.71E-02	1.69E-02	3.67E+00
5837	488813.78	3859352.07	3.49E+00	2.38E-03	4.30E-02	1.79E-02	3.56E+00	3.65E+00	2.43E+01	3.92E+00	6.11E-01	3.25E+01	3.64E+00	2.78E-03	4.30E-02	1.79E-02	3.70E+00
5838	488815.71	3859449.19	3.47E+00	2.51E-03	4.14E-02	1.79E-02	3.53E+00	3.62E+00	2.57E+01	3.78E+00	6.11E-01	3.37E+01	3.61E+00	2.94E-03	4.14E-02	1.79E-02	3.67E+00
5839	488910.04	3859547.1	3.45E+00	2.29E-03	3.98E-02	1.95E-02	3.51E+00	3.60E+00	2.34E+01	3.63E+00	6.68E-01	3.13E+01	3.59E+00	2.68E-03	3.98E-02	1.95E-02	3.65E+00
5840	489002.45	3859547.91	3.43E+00	2.07E-03	4.19E-02	1.70E-02	3.49E+00	3.58E+00	2.12E+01	3.82E+00	5.81E-01	2.92E+01	3.57E+00	2.43E-03	4.19E-02	1.70E-02	3.63E+00
5841	489094.85	3859548.71	3.37E+00	1.91E-03	4.38E-02	1.59E-02	3.43E+00	3.51E+00	1.95E+01	4.00E+00	5.42E-01	2.76E+01	3.51E+00	2.24E-03	4.38E-02	1.59E-02	3.57E+00
5842	489230.05	3859601.87	3.33E+00	1.76E-03	4.22E-02	1.46E-02	3.39E+00	3.48E+00	1.80E+01	3.85E+00	4.99E-01	2.58E+01	3.47E+00	2.06E-03	4.22E-02	1.46E-02	3.53E+00
5843	489227.52	3859680.89	3.27E+00	1.80E-03	4.14E-02	1.52E-02	3.32E+00	3.41E+00	1.83E+01	3.78E+00	5.19E-01	2.60E+01	3.40E+00	2.10E-03	4.14E-02	1.52E-02	3.46E+00
5844	489133.47	3859760.29	3.37E+00	1.86E-03	3.85E-02	1.62E-02	3.43E+00	3.52E+00	1.90E+01	3.51E+00	5.54E-01	2.66E+01	3.51E+00	2.17E-03	3.85E-02	1.62E-02	3.57E+00
5845	489041.96	3859760.67	3.34E+00	1.88E-03	3.67E-02	1.80E-02	3.39E+00	3.48E+00	1.92E+01	3.35E+00	6.16E-01	2.66E+01	3.47E+00	2.19E-03	3.67E-02	1.80E-02	3.53E+00
5846	488950.45	3859761.05	3.37E+00	1.85E-03	3.70E-02	2.02E-02	3.43E+00	3.52E+00	1.89E+01	3.37E+00	6.91E-01	2.65E+01	3.51E+00	2.17E-03	3.70E-02	2.02E-02	3.57E+00
5847	488858.94	3859761.43	3.48E+00	1.81E-03	3.39E-02	2.25E-02	3.54E+00	3.63E+00	1.85E+01	3.09E+00	7.70E-01	2.60E+01	3.62E+00	2.12E-03	3.39E-02	2.25E-02	3.68E+00
5848	488767.43	3859761.82	3.53E+00	1.82E-03	2.88E-02	2.56E-02	3.58E+00	3.68E+00	1.86E+01	2.63E+00	8.75E-01	2.57E+01	3.67E+00	2.13E-03	2.88E-02	2.56E-02	3.73E+00
5849	488675.92	3859762.2	3.48E+00	1.86E-03	2.34E-02	3.07E-02	3.54E+00	3.64E+00	1.91E+01	2.14E+00	1.05E+00	2.59E+01	3.63E+00	2.18E-03	2.34E-02	3.07E-02	3.68E+00
5850	488584.41	3859762.58	3.46E+00	2.00E-03	2.30E-02	4.00E-02	3.52E+00	3.61E+00	2.04E+01	2.10E+00	1.37E+00	2.75E+01	3.60E+00	2.34E-03	2.30E-02	4.00E-02	3.66E+00
5851	488492.9	3859762.96	3.41E+00	2.23E-03	2.38E-02	4.64E-02	3.48E+00	3.56E+00	2.28E+01	2.17E+00	1.59E+00	3.01E+01	3.55E+00	2.61E-03	2.38E-02	4.64E-02	3.62E+00
5852	488402.76	3859830.95	3.32E+00	2.63E-03	2.66E-02	7.55E-02	3.42E+00	3.46E+00	2.69E+01	2.42E+00	2.58E+00	3.53E+01	3.45E+00	3.08E-03	2.66E-02	7.55E-02	3.56E+00

5853	488404.14	3859898.55	3.26E+00	2.64E-03	2.72E-02	4.86E-02	3.34E+00	3.40E+00	2.70E+01	2.48E+00	1.66E+00	3.45E+01	3.40E+00	3.09E-03	2.72E-02	4.86E-02	3.47E+00
5854	488505.18	3859964.96	3.31E+00	2.25E-03	2.49E-02	4.05E-02	3.38E+00	3.46E+00	2.30E+01	2.27E+00	1.39E+00	3.01E+01	3.45E+00	2.63E-03	2.49E-02	4.05E-02	3.52E+00
5855	488604.84	3859963.76	3.32E+00	2.02E-03	2.34E-02	3.94E-02	3.38E+00	3.46E+00	2.07E+01	2.14E+00	1.35E+00	2.76E+01	3.46E+00	2.37E-03	2.34E-02	3.94E-02	3.52E+00
5856	488704.51	3859962.56	3.34E+00	1.85E-03	2.28E-02	3.34E-02	3.40E+00	3.49E+00	1.89E+01	2.08E+00	1.14E+00	2.57E+01	3.48E+00	2.17E-03	2.28E-02	3.34E-02	3.54E+00
5857	488804.18	3859961.37	3.38E+00	1.73E-03	2.54E-02	3.48E-02	3.45E+00	3.53E+00	1.77E+01	2.32E+00	1.19E+00	2.47E+01	3.52E+00	2.02E-03	2.54E-02	3.48E-02	3.59E+00
5858	488903.85	3859960.17	3.45E+00	1.62E-03	2.98E-02	4.06E-02	3.52E+00	3.60E+00	1.66E+01	2.72E+00	1.39E+00	2.43E+01	3.59E+00	1.90E-03	2.98E-02	4.06E-02	3.66E+00
5859	489003.52	3859958.97	3.41E+00	1.57E-03	3.41E-02	4.07E-02	3.49E+00	3.56E+00	1.60E+01	3.11E+00	1.39E+00	2.41E+01	3.55E+00	1.83E-03	3.41E-02	4.07E-02	3.63E+00
5860	489103.18	3859957.77	3.30E+00	1.54E-03	3.51E-02	3.64E-02	3.38E+00	3.45E+00	1.57E+01	3.20E+00	1.24E+00	2.36E+01	3.44E+00	1.80E-03	3.51E-02	3.64E-02	3.51E+00
5861	489201.48	3860046.59	3.23E+00	1.46E-03	3.41E-02	3.11E-02	3.30E+00	3.38E+00	1.49E+01	3.11E+00	1.06E+00	2.25E+01	3.37E+00	1.71E-03	3.41E-02	3.11E-02	3.44E+00
5862	489200.11	3860136.61	3.27E+00	1.43E-03	3.43E-02	1.97E-02	3.32E+00	3.41E+00	1.46E+01	3.12E+00	6.72E-01	2.18E+01	3.40E+00	1.68E-03	3.43E-02	1.97E-02	3.46E+00
5863	489198.74	3860226.63	3.26E+00	1.44E-03	3.37E-02	1.99E-02	3.32E+00	3.40E+00	1.47E+01	3.08E+00	6.81E-01	2.19E+01	3.40E+00	1.69E-03	3.37E-02	1.99E-02	3.45E+00
5864	489197.38	3860316.65	3.24E+00	1.85E-03	3.26E-02	2.54E-02	3.30E+00	3.38E+00	1.89E+01	2.97E+00	8.68E-01	2.61E+01	3.37E+00	2.16E-03	3.26E-02	2.54E-02	3.43E+00
5865	489196.01	3860406.68	3.13E+00	2.20E-03	3.11E-02	2.23E-02	3.19E+00	3.27E+00	2.24E+01	2.84E+00	7.61E-01	2.93E+01	3.26E+00	2.57E-03	3.11E-02	2.23E-02	3.32E+00
5866	489194.64	3860496.7	3.01E+00	2.45E-03	2.92E-02	2.23E-02	3.06E+00	3.14E+00	2.51E+01	2.66E+00	7.62E-01	3.16E+01	3.13E+00	2.87E-03	2.92E-02	2.23E-02	3.19E+00
5867	489193.27	3860586.72	2.92E+00	2.63E-03	2.79E-02	2.41E-02	2.98E+00	3.05E+00	2.69E+01	2.54E+00	8.23E-01	3.33E+01	3.05E+00	3.08E-03	2.79E-02	2.41E-02	3.10E+00
5868	489092.02	3860678.13	2.81E+00	2.39E-03	2.37E-02	2.42E-02	2.86E+00	2.94E+00	2.45E+01	2.16E+00	8.29E-01	3.04E+01	2.93E+00	2.80E-03	2.37E-02	2.42E-02	2.98E+00
5869	488992.13	3860679.52	2.81E+00	2.35E-03	2.17E-02	2.20E-02	2.86E+00	2.93E+00	2.41E+01	1.98E+00	7.51E-01	2.97E+01	2.93E+00	2.76E-03	2.17E-02	2.20E-02	2.97E+00
5870	488892.24	3860680.92	2.83E+00	2.30E-03	2.18E-02	1.97E-02	2.88E+00	2.96E+00	2.35E+01	1.99E+00	6.74E-01	2.92E+01	2.95E+00	2.70E-03	2.18E-02	1.97E-02	3.00E+00
5871	488792.36	3860682.31	2.93E+00	2.25E-03	2.25E-02	1.68E-02	2.97E+00	3.06E+00	2.30E+01	2.05E+00	5.75E-01	2.87E+01	3.05E+00	2.64E-03	2.25E-02	1.68E-02	3.10E+00
5872	488692.47	3860683.7	3.01E+00	2.22E-03	2.44E-02	1.79E-02	3.05E+00	3.14E+00	2.27E+01	2.23E+00	6.12E-01	2.87E+01	3.13E+00	2.60E-03	2.44E-02	1.79E-02	3.18E+00
5873	488592.59	3860685.1	3.02E+00	2.16E-03	2.53E-02	2.37E-02	3.07E+00	3.15E+00	2.20E+01	2.31E+00	8.12E-01	2.83E+01	3.15E+00	2.52E-03	2.53E-02	2.37E-02	3.20E+00
5874	488492.71	3860686.49	2.96E+00	2.13E-03	2.90E-02	2.30E-02	3.01E+00	3.08E+00	2.18E+01	2.64E+00	7.86E-01	2.83E+01	3.08E+00	2.49E-03	2.90E-02	2.30E-02	3.13E+00
5875	488299.07	3860762.18	2.55E+00	1.92E-03	3.50E-02	1.21E-02	2.60E+00	2.66E+00	1.97E+01	3.20E+00	4.14E-01	2.59E+01	2.65E+00	2.25E-03	3.50E-02	1.21E-02	2.70E+00
5876	488205.32	3860764.09	2.40E+00	1.85E-03	3.79E-02	8.30E-03	2.45E+00	2.50E+00	1.89E+01	3.45E+00	2.84E-01	2.52E+01	2.50E+00	2.17E-03	3.79E-02	8.30E-03	2.55E+00
5877	488111.56	3860766	2.27E+00	1.72E-03	4.11E-02	9.87E-03	2.32E+00	2.36E+00	1.76E+01	3.75E+00	3.38E-01	2.41E+01	2.36E+00	2.02E-03	4.11E-02	9.87E-03	2.41E+00
5878	488017.81	3860767.91	2.21E+00	1.54E-03	4.39E-02	1.27E-02	2.27E+00	2.31E+00	1.57E+01	4.01E+00	4.34E-01	2.25E+01	2.30E+00	1.80E-03	4.39E-02	1.27E-02	2.36E+00
5879	487924.06	3860769.81	2.17E+00	1.47E-03	4.69E-02	1.54E-02	2.24E+00	2.27E+00	1.51E+01	4.28E+00	5.25E-01	2.21E+01	2.26E+00	1.73E-03	4.69E-02	1.54E-02	2.33E+00
5880	487830.31	3860771.72	2.14E+00	1.38E-03	4.72E-02	1.77E-02	2.20E+00	2.23E+00	1.41E+01	4.31E+00	6.07E-01	2.12E+01	2.22E+00	1.61E-03	4.72E-02	1.77E-02	2.29E+00
5881	487736.55	3860773.63	2.07E+00	1.32E-03	4.54E-02	1.75E-02	2.13E+00	2.16E+00	1.34E+01	4.14E+00	5.99E-01	2.03E+01	2.15E+00	1.54E-03	4.54E-02	1.75E-02	2.22E+00
5882	487642.8	3860775.54	2.01E+00	1.30E-03	4.18E-02	1.75E-02	2.07E+00	2.10E+00	1.33E+01	3.81E+00	5.97E-01	1.98E+01	2.10E+00	1.52E-03	4.18E-02	1.75E-02	2.16E+00
5883	487549.48	3860684.71	2.01E+00	1.29E-03	3.67E-02	1.69E-02	2.06E+00	2.09E+00	1.32E+01	3.35E+00	5.78E-01	1.92E+01	2.09E+00	1.51E-03	3.67E-02	1.69E-02	2.14E+00
5884	487549.91	3860591.97	2.06E+00	1.34E-03	3.62E-02	1.10E-02	2.11E+00	2.15E+00	1.37E+01	3.30E+00	3.76E-01	1.96E+01	2.15E+00	1.57E-03	3.62E-02	1.10E-02	2.19E+00
5885	487550.34	3860499.23	2.12E+00	1.36E-03	3.57E-02	9.88E-03	2.17E+00	2.21E+00	1.39E+01	3.26E+00	3.38E-01	1.97E+01	2.21E+00	1.59E-03	3.57E-02	9.88E-03	2.26E+00
5886	487550.76	3860406.49	2.19E+00	1.39E-03	3.51E-02	9.32E-03	2.24E+00	2.29E+00	1.42E+01	3.21E+00	3.19E-01	2.01E+01	2.28E+00	1.63E-03	3.51E-02	9.32E-03	2.33E+00
5887	487551.19	3860313.75	2.27E+00	1.44E-03	3.39E-02	1.24E-02	2.31E+00	2.37E+00	1.47E+01	3.09E+00	4.25E-01	2.06E+01	2.36E+00	1.68E-03	3.39E-02	1.24E-02	2.41E+00
5888	487551.62	3860221.01	2.34E+00	1.48E-03	3.25E-02	1.23E-02	2.39E+00	2.45E+00	1.51E+01	2.96E+00	4.20E-01	2.09E+01	2.44E+00	1.73E-03	3.25E-02	1.23E-02	2.49E+00
5889	487552.05	3860128.27	2.43E+00	1.51E-03	3.11E-02	1.07E-02	2.47E+00	2.54E+00	1.54E+01	2.83E+00	3.66E-01	2.11E+01	2.53E+00	1.76E-03	3.11E-02	1.07E-02	2.57E+00
5890	487552.48	3860035.53	2.51E+00	1.57E-03	2.94E-02	1.26E-02	2.55E+00	2.62E+00	1.60E+01	2.68E+00	4.32E-01	2.18E+01	2.61E+00	1.84E-03	2.94E-02	1.26E-02	2.66E+00
5891	487552.91	3859942.79	2.57E+00	1.58E-03	2.73E-02	1.40E-02	2.62E+00	2.68E+00	1.62E+01	2.49E+00	4.80E-01	2.18E+01	2.68E+00	1.85E-03	2.73E-02	1.40E-02	2.72E+00
5892	487553.33	3859850.05	2.66E+00	1.65E-03	2.53E-02	1.45E-02	2.70E+00	2.78E+00	1.68E+01	2.31E+00	4.94E-01	2.24E+01	2.77E+00	1.93E-03	2.53E-02	1.45E-02	2.81E+00
5893	487553.76	3859757.31	2.73E+00	1.78E-03	2.37E-02	2.33E-02	2.78E+00	2.85E+00	1.81E+01	2.17E+00	7.97E-01	2.40E+01	2.84E+00	2.08E-03	2.37E-02	2.33E-02	2.89E+00
5894	487554.19	3859664.57	2.83E+00	1.96E-03	2.22E-02	3.58E-02	2.89E+00	2.95E+00	2.00E+01	2.02E+00	1.22E+00	2.62E+01	2.95E+00	2.29E-03	2.22E-02	3.58E-02	3.01E+00
5895	487460.2	3859571.05	2.83E+00	2.24E-03	1.99E-02	2.97E-02	2.88E+00	2.95E+00	2.29E+01	1.81E+00	1.02E+00	2.86E+01	2.95E+00	2.62E-03	1.99E-02	2.97E-02	3.00E+00
5896	487365.78	3859570.27	2.77E+00	2.21E-03	1.68E-02	2.87E-02	2.82E+00	2.89E+00	2.26E+01	1.53E+00	9.83E-01	2.80E+01	2.88E+00	2.58E-03	1.68E-02	2.87E-02	2.93E+00
5897	487271.36	3859569.48	2.68E+00	2.17E-03	1.56E-02	2.90E-02	2.72E+00	2.79E+00	2.21E+01	1.42E+00	9.91E-01	2.73E+01	2.79E+00	2.54E-03	1.56E-02	2.90E-02	2.83E+00
5898	487176.94	3859568.7	2.57E+00	2.10E-03	1.74E-02	2.83E-02	2.61E+00	2.68E+00	2.15E+01	1.58E+00	9.69E-01	2.67E+01	2.67E+00	2.46E-03	1.74E-02	2.83E-02	2.72E+00
5899	487082.51	3859567.92	2.44E+00	2.03E-03	1.89E-02	2.81E-02	2.49E+00	2.55E+00	2.07E+01	1.72E+00	9.60E-01	2.60E+01	2.54E+00	2.37E-03	1.89E-02	2.81E-02	2.59E+00
5900	486988.09	3859567.14	2.33E+00	1.93E-03	2.79E-02	2.49E-02	2.39E+00	2.43E+00	1.98E+01	2.54E+00	8.51E-01	2.56E+01	2.43E+00	2.26E-03	2.79E-02	2.49E-02	2.48E+00
5901	486893.67	3859566.36	2.26E+00	1.78E-03	3.66E-02	2.55E-02	2.33E+00	2.36E+00	1.82E+01	3.34E+00	8.70E-01	2.48E+01	2.36E+00	2.09E-03	3.66E-02	2.55E-02	2.42E+00
5902	486799.25	3859565.58	2.20E+00	1.49E-03	4.41E-02	2.07E-02	2.26E+00	2.29E+00	1.52E+01	4.02E+00	7.09E-01	2.23E+01	2.29E+00	1.75E-03	4.41E-02	2.07E-02	2.36E+00
5903	486704.83	3859564.79	2.13E+00	1.26E-03	4.88E-02	2.10E-02	2.21E+00	2.23E+00	1.29E+01	4.45E+00	7.20E-01	2.03E+01	2.22E+00	1.48E-03	4.88E-02	2.10E-02	2.29E+00
5904	486610.41	3859564.01	2.08E+00	1.17E-03	5.21E-02	2.01E-02	2.15E+00	2.17E+00	1.20E+01	4.75E+00	6.88E-01	1.96E+01	2.16E+00	1.37E-03	5.21E-02	2.01E-02	2.24E+00
5905	486515.99	3859563.23	2.03E+00	1.12E-03	5.55E-02	1.84E-02	2.10E+00	2.12E+00	1.15E+01	5.06E+00	6.31E-01	1.93E+01	2.11E+00	1.31E-03	5.55E-02	1.84E-02	2.19E+00
5906	486421.57	3859562.45	2.00E+00	1.08E-03	5.57E-02	1.73E-02	2.07E+00	2.08E+00	1.10E+01	5.08E+00	5.91E-01	1.87E+01	2.08E+00	1.26E-03	5.57E-02	1.73E-02	2.15E+00
5907	486327.14	3859561.67	1.96E+00	1.03E-03	5.52E-02	1.63E-02	2.03E+00	2.05E+00	1.05E+01	5.03E+00	5.59E-01	1.82E+01	2.04E+00	1.21E-03	5.52E-02	1.63E-02	2.11E+00
5908	486232.72	3859560.89	1.91E+00	9.88E-04	5.39E-02	1.56E-02	1.98E+00	1.99E+00	1.01E+01	4.92E+00	5.35E-01	1.75E+01	1.99E+00	1.16E-03	5.39E-02	1.56E-02	2.06E+00
5909	486138.3	3859560.1	1.88E+00	9.63E-04	5.33E-02	1.49E-02	1.94E+00	1.96E+00	9.84E+00	4.86E+00	5.10E-01	1.72E+01	1.95E+00	1.13E-03	5.33E-02	1.49E-02	2.02E+00
5910	486043.88	3859559.32	1.84E+00	9.53E-04	5.36E-02	1.42E-02	1.91E+00	1.92E+00	9.73E+00	4.89E+00	4.84E-01	1.70E+01	1.91E+00	1.11E-03	5.36E-02	1.42E-02	1.98E+00
5911	485949.35	3859463.54	1.83E+00	1.01E-03	5.60E-02	1.51E-02	1.90E+00	1.91E+00	1.04E+01	5.11E+00	5.17E-01	1.79E+01	1.91E+00	1.19E-03	5.60E-02	1.51E-02	1.98E+00
5912	485949.24	3859368.55	1.87E+00	1.07E-03	5.48E-02	1.59E-02	1.94E+00	1.95E+00	1.09E+01	5.00E+00	5.44E-01	1.84E+01	1.95E+00	1.25E-03	5.48E-02	1.59E-02	2.02E+00
5913	485949.12	3859273.55	1.91E+00	1.13E-03	5.44E-02	1.62E-02	1.99E+00	2.00E+00	1.15E+01	4.96E+00	5.53E-01	1.90E+01	1.99E+00	1.32E-03	5.44E-02	1.62E-02	2.06E+00

5914	485949.01	3859178.56	1.96E+00	1.21E-03	5.87E-02	1.63E-02	2.03E+00	2.04E+00	1.23E+01	5.35E+00	5.56E-01	2.03E+01	2.04E+00	1.41E-03	5.87E-02	1.63E-02	2.11E+00
5915	485948.9	3859083.56	2.01E+00	1.35E-03	6.23E-02	1.69E-02	2.09E+00	2.09E+00	1.37E+01	5.68E+00	5.78E-01	2.21E+01	2.09E+00	1.57E-03	6.23E-02	1.69E-02	2.17E+00
5916	485948.79	3858988.56	2.05E+00	1.54E-03	6.51E-02	1.84E-02	2.13E+00	2.14E+00	1.57E+01	5.94E+00	6.30E-01	2.44E+01	2.13E+00	1.80E-03	6.51E-02	1.84E-02	2.22E+00
5917	485948.67	3858893.57	2.09E+00	1.65E-03	6.79E-02	1.77E-02	2.18E+00	2.18E+00	1.68E+01	6.19E+00	6.05E-01	2.58E+01	2.18E+00	1.93E-03	6.79E-02	1.77E-02	2.27E+00
5918	485948.56	3858798.57	2.15E+00	1.67E-03	6.75E-02	1.59E-02	2.23E+00	2.24E+00	1.71E+01	6.16E+00	5.43E-01	2.60E+01	2.23E+00	1.95E-03	6.75E-02	1.59E-02	2.32E+00
5919	485948.45	3858703.58	2.18E+00	1.73E-03	6.54E-02	1.39E-02	2.26E+00	2.28E+00	1.77E+01	5.97E+00	4.77E-01	2.64E+01	2.27E+00	2.02E-03	6.54E-02	1.39E-02	2.35E+00
5920	485948.34	3858608.58	2.25E+00	1.80E-03	6.12E-02	1.51E-02	2.32E+00	2.34E+00	1.84E+01	5.58E+00	5.15E-01	2.69E+01	2.34E+00	2.11E-03	6.12E-02	1.51E-02	2.42E+00
5921	485948.22	3858513.59	2.32E+00	1.81E-03	6.10E-02	1.43E-02	2.39E+00	2.42E+00	1.85E+01	5.56E+00	4.88E-01	2.69E+01	2.41E+00	2.12E-03	6.10E-02	1.43E-02	2.49E+00
5922	485948.11	3858418.59	2.38E+00	1.77E-03	5.99E-02	1.34E-02	2.46E+00	2.49E+00	1.81E+01	5.46E+00	4.59E-01	2.65E+01	2.48E+00	2.07E-03	5.99E-02	1.34E-02	2.56E+00
5923	485948	3858323.59	2.46E+00	1.78E-03	5.57E-02	1.24E-02	2.53E+00	2.57E+00	1.82E+01	5.08E+00	4.25E-01	2.63E+01	2.56E+00	2.09E-03	5.57E-02	1.24E-02	2.63E+00
5924	485947.89	3858228.6	2.53E+00	1.87E-03	5.19E-02	1.26E-02	2.60E+00	2.64E+00	1.91E+01	4.74E+00	4.30E-01	2.69E+01	2.64E+00	2.18E-03	5.19E-02	1.26E-02	2.70E+00
5925	485947.77	3858133.6	2.62E+00	1.97E-03	5.27E-02	1.26E-02	2.69E+00	2.73E+00	2.01E+01	4.81E+00	4.30E-01	2.81E+01	2.73E+00	2.30E-03	5.27E-02	1.26E-02	2.79E+00
5926	485947.66	3858038.61	2.75E+00	2.00E-03	5.51E-02	1.13E-02	2.81E+00	2.87E+00	2.05E+01	5.03E+00	3.86E-01	2.88E+01	2.86E+00	2.35E-03	5.51E-02	1.13E-02	2.93E+00
5927	485854.54	3857943.35	2.71E+00	1.84E-03	5.38E-02	1.14E-02	2.78E+00	2.83E+00	1.88E+01	4.91E+00	3.90E-01	2.69E+01	2.82E+00	2.15E-03	5.38E-02	1.14E-02	2.89E+00
5928	485761.52	3857943.09	2.60E+00	1.69E-03	5.24E-02	1.37E-02	2.67E+00	2.72E+00	1.73E+01	4.78E+00	4.70E-01	2.53E+01	2.71E+00	1.98E-03	5.24E-02	1.37E-02	2.78E+00
5929	485668.51	3857942.83	2.51E+00	1.57E-03	5.13E-02	1.42E-02	2.58E+00	2.62E+00	1.60E+01	4.68E+00	4.86E-01	2.38E+01	2.62E+00	1.84E-03	5.13E-02	1.42E-02	2.68E+00
5930	485575.5	3857942.56	2.43E+00	1.46E-03	5.00E-02	1.28E-02	2.50E+00	2.54E+00	1.49E+01	4.56E+00	4.36E-01	2.25E+01	2.53E+00	1.71E-03	5.00E-02	1.28E-02	2.60E+00
5931	485482.48	3857942.3	2.36E+00	1.40E-03	4.91E-02	1.14E-02	2.42E+00	2.46E+00	1.43E+01	4.47E+00	3.90E-01	2.17E+01	2.45E+00	1.64E-03	4.91E-02	1.14E-02	2.51E+00
5932	485389.47	3857942.04	2.28E+00	1.36E-03	4.82E-02	1.10E-02	2.34E+00	2.38E+00	1.39E+01	4.39E+00	3.76E-01	2.10E+01	2.37E+00	1.59E-03	4.82E-02	1.10E-02	2.43E+00
5933	485296.46	3857941.78	2.22E+00	1.32E-03	4.73E-02	1.14E-02	2.28E+00	2.32E+00	1.35E+01	4.32E+00	3.89E-01	2.05E+01	2.32E+00	1.54E-03	4.73E-02	1.14E-02	2.38E+00
5934	485203.45	3857941.52	2.17E+00	1.28E-03	4.66E-02	1.14E-02	2.23E+00	2.27E+00	1.31E+01	4.25E+00	3.90E-01	2.00E+01	2.26E+00	1.50E-03	4.66E-02	1.14E-02	2.32E+00
5935	485110.43	3857941.26	2.14E+00	1.26E-03	4.57E-02	1.04E-02	2.19E+00	2.23E+00	1.28E+01	4.17E+00	3.56E-01	1.96E+01	2.22E+00	1.47E-03	4.57E-02	1.04E-02	2.28E+00
5936	485017.42	3857940.99	2.09E+00	1.25E-03	4.49E-02	9.14E-03	2.15E+00	2.18E+00	1.27E+01	4.09E+00	3.13E-01	1.93E+01	2.18E+00	1.46E-03	4.49E-02	9.14E-03	2.23E+00
5937	484924.41	3857940.73	2.05E+00	1.24E-03	4.41E-02	7.28E-03	2.10E+00	2.13E+00	1.27E+01	4.02E+00	2.49E-01	1.91E+01	2.13E+00	1.45E-03	4.41E-02	7.28E-03	2.18E+00
5938	484831.39	3857940.47	2.01E+00	1.24E-03	4.33E-02	9.12E-03	2.06E+00	2.10E+00	1.27E+01	3.95E+00	3.12E-01	1.90E+01	2.09E+00	1.45E-03	4.33E-02	9.12E-03	2.15E+00
5939	484738.12	3857859.3	2.01E+00	1.30E-03	4.15E-02	1.29E-02	2.06E+00	2.10E+00	1.33E+01	3.79E+00	4.40E-01	1.96E+01	2.09E+00	1.52E-03	4.15E-02	1.29E-02	2.15E+00
5940	484737.85	3857778.4	2.06E+00	1.37E-03	4.01E-02	1.35E-02	2.11E+00	2.14E+00	1.40E+01	3.65E+00	4.62E-01	2.03E+01	2.14E+00	1.61E-03	4.01E-02	1.35E-02	2.20E+00
5941	484737.59	3857697.49	2.10E+00	1.44E-03	3.98E-02	1.44E-02	2.16E+00	2.19E+00	1.47E+01	3.63E+00	4.91E-01	2.10E+01	2.19E+00	1.68E-03	3.98E-02	1.44E-02	2.24E+00
5942	484737.32	3857616.59	2.14E+00	1.53E-03	4.06E-02	1.51E-02	2.20E+00	2.23E+00	1.56E+01	3.70E+00	5.18E-01	2.21E+01	2.23E+00	1.79E-03	4.06E-02	1.51E-02	2.29E+00
5943	484645.53	3857535.18	2.16E+00	1.64E-03	4.11E-02	1.57E-02	2.22E+00	2.25E+00	1.68E+01	3.75E+00	5.37E-01	2.33E+01	2.25E+00	1.92E-03	4.11E-02	1.57E-02	2.31E+00
5944	484553.99	3857534.67	2.13E+00	1.68E-03	4.01E-02	1.10E-02	2.19E+00	2.22E+00	1.71E+01	3.66E+00	3.77E-01	2.34E+01	2.22E+00	1.96E-03	4.01E-02	1.10E-02	2.27E+00
5945	484462.46	3857534.17	2.11E+00	1.67E-03	3.92E-02	1.49E-02	2.17E+00	2.21E+00	1.71E+01	3.58E+00	5.10E-01	2.34E+01	2.20E+00	1.95E-03	3.92E-02	1.49E-02	2.26E+00
5946	484370.93	3857533.66	2.09E+00	1.68E-03	3.85E-02	1.18E-02	2.14E+00	2.18E+00	1.71E+01	3.51E+00	4.02E-01	2.32E+01	2.18E+00	1.96E-03	3.85E-02	1.18E-02	2.23E+00
5947	484279.4	3857533.16	2.07E+00	1.60E-03	3.78E-02	7.66E-03	2.12E+00	2.16E+00	1.64E+01	3.45E+00	2.62E-01	2.23E+01	2.16E+00	1.88E-03	3.78E-02	7.66E-03	2.20E+00
5948	484187.86	3857532.65	2.05E+00	1.40E-03	3.71E-02	1.29E-02	2.10E+00	2.14E+00	1.43E+01	3.38E+00	4.40E-01	2.03E+01	2.13E+00	1.64E-03	3.71E-02	1.29E-02	2.18E+00
5949	484096.33	3857532.15	2.03E+00	1.22E-03	3.65E-02	1.74E-02	2.08E+00	2.12E+00	1.25E+01	3.33E+00	5.94E-01	1.85E+01	2.11E+00	1.43E-03	3.65E-02	1.74E-02	2.17E+00
5950	484004.8	3857531.64	2.00E+00	1.08E-03	3.58E-02	1.84E-02	2.06E+00	2.09E+00	1.10E+01	3.26E+00	6.28E-01	1.70E+01	2.09E+00	1.26E-03	3.58E-02	1.84E-02	2.14E+00
5951	483913.27	3857531.14	1.97E+00	9.56E-04	3.50E-02	2.10E-02	2.03E+00	2.06E+00	9.77E+00	3.19E+00	7.17E-01	1.57E+01	2.05E+00	1.12E-03	3.50E-02	2.10E-02	2.11E+00
5952	483821.73	3857530.63	1.95E+00	8.84E-04	3.43E-02	2.41E-02	2.01E+00	2.03E+00	9.03E+00	3.13E+00	8.24E-01	1.50E+01	2.03E+00	1.03E-03	3.43E-02	2.41E-02	2.09E+00
5953	483729.61	3857450.11	1.98E+00	8.83E-04	3.45E-02	2.98E-02	2.05E+00	2.07E+00	9.02E+00	3.15E+00	1.02E+00	1.53E+01	2.06E+00	1.03E-03	3.45E-02	2.98E-02	2.13E+00
5954	483729.03	3857370.08	2.06E+00	9.62E-04	3.62E-02	2.90E-02	2.12E+00	2.15E+00	9.83E+00	3.30E+00	9.92E-01	1.63E+01	2.14E+00	1.13E-03	3.62E-02	2.90E-02	2.21E+00
5955	483728.44	3857290.06	2.11E+00	1.08E-03	3.98E-02	2.53E-02	2.17E+00	2.20E+00	1.10E+01	3.63E+00	8.65E-01	1.77E+01	2.20E+00	1.26E-03	3.98E-02	2.53E-02	2.26E+00
5956	483727.86	3857210.03	2.15E+00	1.19E-03	4.32E-02	2.66E-02	2.22E+00	2.24E+00	1.22E+01	3.94E+00	9.11E-01	1.93E+01	2.24E+00	1.39E-03	4.32E-02	2.66E-02	2.31E+00
5957	483641.15	3857129.07	2.19E+00	1.20E-03	4.50E-02	2.43E-02	2.26E+00	2.28E+00	1.22E+01	4.10E+00	8.32E-01	1.94E+01	2.28E+00	1.40E-03	4.50E-02	2.43E-02	2.35E+00
5958	483555.03	3857128.14	2.16E+00	1.10E-03	4.40E-02	2.49E-02	2.23E+00	2.25E+00	1.12E+01	4.01E+00	8.52E-01	1.83E+01	2.25E+00	1.28E-03	4.40E-02	2.49E-02	2.32E+00
5959	483468.91	3857127.2	2.12E+00	1.06E-03	4.28E-02	2.43E-02	2.19E+00	2.21E+00	1.08E+01	3.91E+00	8.30E-01	1.78E+01	2.21E+00	1.24E-03	4.28E-02	2.43E-02	2.28E+00
5960	483382.78	3857126.26	2.10E+00	9.92E-04	4.20E-02	2.39E-02	2.17E+00	2.19E+00	1.01E+01	3.83E+00	8.16E-01	1.70E+01	2.19E+00	1.16E-03	4.20E-02	2.39E-02	2.26E+00
5961	483296.66	3857125.32	2.08E+00	9.47E-04	4.10E-02	3.34E-02	2.15E+00	2.17E+00	9.67E+00	3.74E+00	1.14E+00	1.67E+01	2.16E+00	1.11E-03	4.10E-02	3.34E-02	2.24E+00
5962	483210.54	3857124.39	2.05E+00	9.11E-04	3.99E-02	2.43E-02	2.11E+00	2.13E+00	9.31E+00	3.64E+00	8.31E-01	1.59E+01	2.13E+00	1.07E-03	3.99E-02	2.43E-02	2.19E+00
5963	483123.4	3857030.96	2.07E+00	9.41E-04	4.19E-02	1.72E-02	2.13E+00	2.15E+00	9.61E+00	3.82E+00	5.89E-01	1.62E+01	2.15E+00	1.10E-03	4.19E-02	1.72E-02	2.21E+00
5964	483122.38	3856938.46	2.12E+00	1.05E-03	4.40E-02	1.44E-02	2.18E+00	2.21E+00	1.08E+01	4.01E+00	4.92E-01	1.75E+01	2.20E+00	1.23E-03	4.40E-02	1.44E-02	2.26E+00
5965	483121.35	3856845.97	2.17E+00	1.15E-03	4.51E-02	9.64E-03	2.22E+00	2.26E+00	1.18E+01	4.11E+00	3.30E-01	1.85E+01	2.26E+00	1.35E-03	4.51E-02	9.64E-03	2.31E+00
5966	483120.33	3856753.47	2.22E+00	1.29E-03	4.49E-02	7.51E-03	2.27E+00	2.31E+00	1.32E+01	4.09E+00	2.57E-01	1.99E+01	2.31E+00	1.51E-03	4.49E-02	7.51E-03	2.36E+00
5967	483119.31	3856660.98	2.28E+00	1.47E-03	4.36E-02	8.02E-03	2.33E+00	2.38E+00	1.50E+01	3.98E+00	2.74E-01	2.16E+01	2.37E+00	1.72E-03	4.36E-02	8.02E-03	2.43E+00
5968	483118.29	3856568.49	2.34E+00	1.63E-03	4.18E-02	9.00E-03	2.39E+00	2.44E+00	1.66E+01	3.81E+00	3.08E-01	2.32E+01	2.44E+00	1.90E-03	4.18E-02	9.00E-03	2.49E+00
5969	483117.26	3856475.99	2.40E+00	1.76E-03	4.01E-02	8.47E-03	2.45E+00	2.50E+00	1.80E+01	3.66E+00	2.90E-01	2.45E+01	2.50E+00	2.06E-03	4.01E-02	8.47E-03	2.55E+00
5970	483116.24	3856383.5	2.47E+00	1.93E-03	3.85E-02	8.39E-03	2.52E+00	2.57E+00	1.97E+01	3.51E+00	2.87E-01	2.61E+01	2.57E+00	2.25E-03	3.85E-02	8.39E-03	2.62E+00
5971	483115.22	3856291.01	2.57E+00	2.12E-03	3.68E-02	1.13E-02	2.62E+00	2.69E+00	2.17E+01	3.35E+00	3.87E-01	2.81E+01	2.68E+00	2.48E-03	3.68E-02	1.13E-02	2.73E+00
5972	483114.2	3856198.51	2.68E+00	2.31E-03	3.42E-02	1.25E-02	2.73E+00	2.80E+00	2.36E+01	3.12E+00	4.26E-01	2.99E+01	2.79E+00	2.70E-03	3.42E-02	1.25E-02	2.84E+00
5973	483113.17	3856106.02	2.79E+00	2.39E-03	3.11E-02	1.48E-02	2.84E+00	2.91E+00	2.44E+01	2.84E+00	5.06E-01	3.07E+01	2.91E+00	2.79E-03	3.11E-02	1.48E-02	2.96E+00
5974	483112.15	3856013.52	2.87E+00	2.46E-03	2.92E-02	1.71E-02	2.92E+00	2.99E+00	2.51E+01	2.67E+00	5.84E-01	3.13E+01	2.99E+00	2.87E-03	2.92E-02	1.71E-02	3.04E+00

5975	483029.25	3855920.47	2.94E+00	2.32E-03	2.93E-02	1.56E-02	2.99E+00	3.07E+00	2.37E+01	2.67E+00	5.34E-01	3.00E+01	3.06E+00	2.72E-03	2.93E-02	1.56E-02	3.11E+00
5976	482947.37	3855919.91	2.87E+00	2.24E-03	2.91E-02	1.49E-02	2.92E+00	3.00E+00	2.29E+01	2.66E+00	5.09E-01	2.90E+01	2.99E+00	2.62E-03	2.91E-02	1.49E-02	3.04E+00
5977	482865.49	3855919.36	2.80E+00	2.15E-03	2.87E-02	1.47E-02	2.85E+00	2.92E+00	2.19E+01	2.62E+00	5.04E-01	2.80E+01	2.92E+00	2.51E-03	2.87E-02	1.47E-02	2.96E+00
5978	482783.61	3855918.8	2.76E+00	2.02E-03	2.95E-02	1.45E-02	2.81E+00	2.88E+00	2.07E+01	2.69E+00	4.97E-01	2.68E+01	2.88E+00	2.37E-03	2.95E-02	1.45E-02	2.92E+00
5979	482700.33	3855818.39	2.83E+00	2.00E-03	2.86E-02	1.61E-02	2.87E+00	2.95E+00	2.04E+01	2.61E+00	5.50E-01	2.65E+01	2.94E+00	2.34E-03	2.86E-02	1.61E-02	2.99E+00
5980	482698.92	3855718.54	2.96E+00	1.99E-03	2.86E-02	1.90E-02	3.01E+00	3.09E+00	2.03E+01	2.61E+00	6.50E-01	2.67E+01	3.09E+00	2.33E-03	2.86E-02	1.90E-02	3.14E+00
5981	482697.52	3855618.68	3.07E+00	2.10E-03	2.72E-02	1.95E-02	3.12E+00	3.20E+00	2.15E+01	2.48E+00	6.65E-01	2.78E+01	3.19E+00	2.46E-03	2.72E-02	1.95E-02	3.24E+00
5982	482696.11	3855518.83	3.20E+00	2.10E-03	2.48E-02	1.57E-02	3.24E+00	3.34E+00	2.15E+01	2.26E+00	5.38E-01	2.76E+01	3.33E+00	2.46E-03	2.48E-02	1.57E-02	3.37E+00
5983	482694.71	3855418.98	3.31E+00	2.05E-03	2.14E-02	1.29E-02	3.35E+00	3.45E+00	2.09E+01	1.95E+00	4.41E-01	2.68E+01	3.45E+00	2.40E-03	2.14E-02	1.29E-02	3.48E+00
5984	482693.3	3855319.13	3.43E+00	2.00E-03	1.81E-02	1.12E-02	3.46E+00	3.58E+00	2.04E+01	1.65E+00	3.83E-01	2.60E+01	3.57E+00	2.34E-03	1.81E-02	1.12E-02	3.60E+00
5985	482691.9	3855219.27	3.58E+00	2.00E-03	1.54E-02	1.86E-02	3.62E+00	3.74E+00	2.04E+01	1.40E+00	6.35E-01	2.62E+01	3.73E+00	2.33E-03	1.54E-02	1.86E-02	3.77E+00
5986	482690.49	3855119.42	3.60E+00	2.07E-03	1.33E-02	2.84E-02	3.64E+00	3.75E+00	2.11E+01	1.21E+00	9.70E-01	2.70E+01	3.75E+00	2.42E-03	1.33E-02	2.84E-02	3.79E+00
5987	482689.09	3855019.57	3.73E+00	1.96E-03	1.26E-02	2.99E-02	3.77E+00	3.89E+00	2.00E+01	1.15E+00	1.02E+00	2.61E+01	3.88E+00	2.29E-03	1.26E-02	2.99E-02	3.93E+00
5988	482687.68	3854919.71	3.71E+00	1.86E-03	1.27E-02	1.89E-02	3.74E+00	3.87E+00	1.90E+01	1.16E+00	6.45E-01	2.47E+01	3.86E+00	2.18E-03	1.27E-02	1.89E-02	3.89E+00
5989	482686.28	3854819.86	3.71E+00	1.63E-03	1.27E-02	1.57E-02	3.74E+00	3.87E+00	1.67E+01	1.16E+00	5.37E-01	2.22E+01	3.87E+00	1.91E-03	1.27E-02	1.57E-02	3.90E+00
5990	482684.88	3854720.01	3.58E+00	1.45E-03	1.33E-02	1.49E-02	3.61E+00	3.74E+00	1.49E+01	1.21E+00	5.08E-01	2.03E+01	3.73E+00	1.70E-03	1.33E-02	1.49E-02	3.76E+00
5991	482683.47	3854620.16	3.27E+00	1.21E-03	1.39E-02	1.43E-02	3.30E+00	3.42E+00	1.23E+01	1.27E+00	4.89E-01	1.75E+01	3.41E+00	1.41E-03	1.39E-02	1.43E-02	3.44E+00
5992	482682.07	3854520.31	3.11E+00	1.06E-03	1.43E-02	1.48E-02	3.14E+00	3.25E+00	1.09E+01	1.31E+00	5.07E-01	1.59E+01	3.24E+00	1.24E-03	1.43E-02	1.48E-02	3.27E+00
5993	482680.66	3854420.45	3.35E+00	9.74E-04	1.46E-02	1.62E-02	3.38E+00	3.50E+00	9.95E+00	1.33E+00	5.54E-01	1.53E+01	3.49E+00	1.14E-03	1.46E-02	1.62E-02	3.52E+00
5994	482679.26	3854320.6	3.58E+00	9.15E-04	1.48E-02	1.67E-02	3.62E+00	3.74E+00	9.35E+00	1.35E+00	5.69E-01	1.50E+01	3.73E+00	1.07E-03	1.48E-02	1.67E-02	3.76E+00
5995	482677.85	3854220.75	4.06E+00	8.58E-04	1.48E-02	1.54E-02	4.09E+00	4.24E+00	8.76E+00	1.35E+00	5.28E-01	1.49E+01	4.23E+00	1.00E-03	1.48E-02	1.54E-02	4.26E+00
5996	482676.45	3854120.9	4.19E+00	8.27E-04	1.52E-02	1.34E-02	4.22E+00	4.38E+00	8.45E+00	1.39E+00	4.58E-01	1.47E+01	4.37E+00	9.67E-04	1.52E-02	1.34E-02	4.40E+00
5997	482675.04	3854021.04	4.15E+00	7.67E-04	1.55E-02	1.20E-02	4.18E+00	4.33E+00	7.83E+00	1.41E+00	4.09E-01	1.40E+01	4.33E+00	8.97E-04	1.55E-02	1.20E-02	4.35E+00
5998	482673.64	3853921.19	4.17E+00	7.12E-04	1.57E-02	1.17E-02	4.20E+00	4.35E+00	7.27E+00	1.43E+00	4.00E-01	1.35E+01	4.34E+00	8.33E-04	1.57E-02	1.17E-02	4.37E+00
5999	482672.23	3853821.34	4.31E+00	6.64E-04	1.58E-02	1.19E-02	4.33E+00	4.49E+00	6.79E+00	1.44E+00	4.07E-01	1.31E+01	4.48E+00	7.77E-04	1.58E-02	1.19E-02	4.51E+00
6000	482670.83	3853721.48	4.34E+00	6.37E-04	1.64E-02	1.18E-02	4.36E+00	4.52E+00	6.51E+00	1.49E+00	4.05E-01	1.29E+01	4.51E+00	7.45E-04	1.64E-02	1.18E-02	4.54E+00
6001	482669.42	3853621.63	4.38E+00	6.23E-04	1.67E-02	1.16E-02	4.41E+00	4.57E+00	6.37E+00	1.52E+00	3.96E-01	1.29E+01	4.56E+00	7.29E-04	1.67E-02	1.16E-02	4.59E+00
6002	482645.99	3853446.13	4.02E+00	6.00E-04	1.69E-02	1.06E-02	4.05E+00	4.20E+00	6.13E+00	1.54E+00	3.62E-01	1.22E+01	4.19E+00	7.02E-04	1.69E-02	1.06E-02	4.22E+00
6003	482623.97	3853370.48	4.11E+00	5.98E-04	1.68E-02	1.02E-02	4.13E+00	4.29E+00	6.11E+00	1.54E+00	3.47E-01	1.23E+01	4.28E+00	7.00E-04	1.68E-02	1.02E-02	4.30E+00
6004	482601.94	3853294.84	4.23E+00	5.94E-04	1.67E-02	9.74E-03	4.26E+00	4.41E+00	6.07E+00	1.53E+00	3.33E-01	1.23E+01	4.41E+00	6.95E-04	1.67E-02	9.74E-03	4.43E+00
6005	482531.29	3853133.44	4.34E+00	5.78E-04	1.63E-02	8.94E-03	4.37E+00	4.53E+00	5.91E+00	1.49E+00	3.06E-01	1.22E+01	4.52E+00	6.77E-04	1.63E-02	8.94E-03	4.55E+00
6006	482482.68	3853047.69	4.34E+00	5.64E-04	1.61E-02	8.49E-03	4.36E+00	4.52E+00	5.76E+00	1.47E+00	2.90E-01	1.20E+01	4.51E+00	6.60E-04	1.61E-02	8.49E-03	4.54E+00
6007	482383.09	3852897.4	4.29E+00	5.47E-04	1.57E-02	7.47E-03	4.32E+00	4.48E+00	5.58E+00	1.43E+00	2.56E-01	1.17E+01	4.47E+00	6.39E-04	1.57E-02	7.47E-03	4.49E+00
6008	482265.64	3852765.26	4.19E+00	5.17E-04	1.53E-02	6.62E-03	4.21E+00	4.37E+00	5.29E+00	1.40E+00	2.26E-01	1.13E+01	4.36E+00	6.05E-04	1.53E-02	6.62E-03	4.38E+00
6009	482199.16	3852697.66	4.13E+00	5.05E-04	1.51E-02	6.50E-03	4.15E+00	4.31E+00	5.15E+00	1.38E+00	2.22E-01	1.11E+01	4.30E+00	5.90E-04	1.51E-02	6.50E-03	4.32E+00
6010	482132.69	3852630.07	4.07E+00	4.90E-04	1.50E-02	6.41E-03	4.09E+00	4.24E+00	5.00E+00	1.37E+00	2.19E-01	1.08E+01	4.24E+00	5.73E-04	1.50E-02	6.41E-03	4.26E+00
6011	482066.21	3852562.48	4.01E+00	4.72E-04	1.48E-02	6.32E-03	4.03E+00	4.19E+00	4.82E+00	1.35E+00	2.16E-01	1.06E+01	4.18E+00	5.52E-04	1.48E-02	6.32E-03	4.20E+00
6012	481999.74	3852494.89	3.95E+00	4.59E-04	1.46E-02	6.23E-03	3.98E+00	4.13E+00	4.69E+00	1.34E+00	2.13E-01	1.04E+01	4.12E+00	5.37E-04	1.46E-02	6.23E-03	4.14E+00
6013	481933.26	3852427.29	3.90E+00	4.62E-04	1.45E-02	6.14E-03	3.92E+00	4.07E+00	4.72E+00	1.32E+00	2.10E-01	1.03E+01	4.06E+00	5.41E-04	1.45E-02	6.14E-03	4.08E+00
6014	481866.79	3852359.7	3.85E+00	4.63E-04	1.43E-02	6.10E-03	3.87E+00	4.02E+00	4.73E+00	1.31E+00	2.09E-01	1.03E+01	4.01E+00	5.42E-04	1.43E-02	6.10E-03	4.03E+00
6015	481800.31	3852292.11	3.81E+00	4.62E-04	1.42E-02	6.07E-03	3.83E+00	3.97E+00	4.72E+00	1.29E+00	2.08E-01	1.02E+01	3.96E+00	5.40E-04	1.42E-02	6.07E-03	3.98E+00
6016	481733.84	3852224.52	3.76E+00	4.61E-04	1.40E-02	6.11E-03	3.78E+00	3.92E+00	4.71E+00	1.28E+00	2.09E-01	1.01E+01	3.92E+00	5.39E-04	1.40E-02	6.11E-03	3.94E+00
6017	481667.36	3852156.92	3.72E+00	4.58E-04	1.39E-02	6.13E-03	3.74E+00	3.88E+00	4.68E+00	1.27E+00	2.10E-01	1.00E+01	3.87E+00	5.36E-04	1.39E-02	6.13E-03	3.89E+00
6018	481600.89	3852089.33	3.67E+00	4.61E-04	1.38E-02	6.01E-03	3.69E+00	3.83E+00	4.71E+00	1.25E+00	2.05E-01	1.00E+01	3.82E+00	5.39E-04	1.38E-02	6.01E-03	3.84E+00
6019	481534.41	3852021.74	3.62E+00	4.61E-04	1.36E-02	5.85E-03	3.64E+00	3.78E+00	4.71E+00	1.24E+00	2.00E-01	9.93E+00	3.77E+00	5.40E-04	1.36E-02	5.85E-03	3.79E+00
6020	481467.94	3851954.15	3.58E+00	4.57E-04	1.35E-02	5.72E-03	3.60E+00	3.73E+00	4.67E+00	1.23E+00	1.96E-01	9.82E+00	3.73E+00	5.34E-04	1.35E-02	5.72E-03	3.75E+00
6021	481401.46	3851886.55	3.53E+00	4.46E-04	1.33E-02	5.65E-03	3.55E+00	3.69E+00	4.55E+00	1.22E+00	1.93E-01	9.65E+00	3.68E+00	5.21E-04	1.33E-02	5.65E-03	3.70E+00
6022	481265.87	3851761.43	3.47E+00	4.35E-04	1.31E-02	5.37E-03	3.49E+00	3.62E+00	4.44E+00	1.20E+00	1.84E-01	9.45E+00	3.61E+00	5.09E-04	1.31E-02	5.37E-03	3.63E+00
6023	481196.74	3851703.89	3.45E+00	4.27E-04	1.30E-02	5.32E-03	3.46E+00	3.60E+00	4.36E+00	1.19E+00	1.82E-01	9.33E+00	3.59E+00	4.99E-04	1.30E-02	5.32E-03	3.61E+00
6024	481076.33	3851619.04	3.41E+00	4.40E-04	1.29E-02	5.17E-03	3.43E+00	3.56E+00	4.50E+00	1.18E+00	1.77E-01	9.41E+00	3.55E+00	5.15E-04	1.29E-02	5.17E-03	3.57E+00
6025	480939.8	3851549.07	3.38E+00	4.58E-04	1.29E-02	5.10E-03	3.40E+00	3.52E+00	4.68E+00	1.18E+00	1.74E-01	9.56E+00	3.52E+00	5.36E-04	1.29E-02	5.10E-03	3.54E+00
6026	480854.56	3851506.41	3.32E+00	4.61E-04	1.29E-02	5.11E-03	3.34E+00	3.46E+00	4.71E+00	1.18E+00	1.75E-01	9.53E+00	3.46E+00	5.40E-04	1.29E-02	5.11E-03	3.48E+00
6027	480769.32	3851463.75	3.24E+00	4.56E-04	1.29E-02	5.13E-03	3.26E+00	3.38E+00	4.66E+00	1.18E+00	1.76E-01	9.40E+00	3.38E+00	5.34E-04	1.29E-02	5.13E-03	3.39E+00
6028	480684.08	3851421.08	3.16E+00	4.55E-04	1.29E-02	5.15E-03	3.18E+00	3.29E+00	4.65E+00	1.17E+00	1.76E-01	9.29E+00	3.29E+00	5.32E-04	1.29E-02	5.15E-03	3.31E+00
6029	480598.84	3851378.42	3.06E+00	4.68E-04	1.28E-02	5.12E-03	3.08E+00	3.19E+00	4.78E+00	1.17E+00	1.75E-01	9.32E+00	3.19E+00	5.47E-04	1.28E-02	5.12E-03	3.21E+00
6030	480435.71	3851275.01	2.94E+00	4.76E-04	1.27E-02	5.11E-03	2.96E+00	3.07E+00	4.87E+00	1.16E+00	1.75E-01	9.27E+00	3.06E+00	5.57E-04	1.27E-02	5.11E-03	3.08E+00
6031	480347.85	3851232.36	2.84E+00	4.86E-04	1.27E-02	5.09E-03	2.86E+00	2.97E+00	4.97E+00	1.15E+00	1.74E-01	9.26E+00	2.96E+00	5.69E-04	1.27E-02	5.09E-03	2.98E+00
6032	480260	3851189.72	2.73E+00	4.97E-04	1.26E-02	5.07E-03	2.75E+00	2.85E+00	5.08E+00	1.15E+00	1.73E-01	9.25E+00	2.84E+00	5.82E-04	1.26E-02	5.07E-03	2.86E+00
6033	480172.15	3851147.07	2.62E+00	5.07E-04	1.25E-02	5.06E-03	2.63E+00	2.73E+00	5.18E+00	1.14E+00	1.73E-01	9.22E+00	2.72E+00	5.93E-04	1.25E-02	5.06E-03	2.74E+00
6034	480084.29	3851104.42	2.53E+00	5.14E-04	1.25E-02	5.08E-03	2.55E+00	2.64E+00	5.25E+00	1.14E+00	1.74E-01	9.20E+00	2.63E+00	6.01E-04	1.25E-02	5.08E-03	2.65E+00
6035	479996.44	3851061.77	2.44E+00	5.17E-04	1.24E-02	5.12E-03	2.46E+00	2.54E+00	5.29E+00	1.13E+00	1.75E-01	9.13E+00	2.54E+00	6.05E-04	1.24E-02	5.12E-03	2.56E+00

6036	479908.58	3851019.13	2.34E+00	5.07E-04	1.23E-02	5.33E-03	2.36E+00	2.44E+00	5.18E+00	1.12E+00	1.82E-01	8.93E+00	2.44E+00	5.93E-04	1.23E-02	5.33E-03	2.45E+00
6037	479820.73	3850976.48	2.24E+00	5.09E-04	1.22E-02	5.33E-03	2.26E+00	2.33E+00	5.20E+00	1.11E+00	1.82E-01	8.83E+00	2.33E+00	5.95E-04	1.22E-02	5.33E-03	2.35E+00
6038	479732.88	3850933.83	2.13E+00	5.11E-04	1.21E-02	5.30E-03	2.15E+00	2.22E+00	5.22E+00	1.11E+00	1.81E-01	8.73E+00	2.22E+00	5.98E-04	1.21E-02	5.30E-03	2.24E+00
6039	479645.02	3850891.18	2.02E+00	5.14E-04	1.20E-02	5.23E-03	2.04E+00	2.11E+00	5.26E+00	1.10E+00	1.79E-01	8.64E+00	2.10E+00	6.02E-04	1.20E-02	5.23E-03	2.12E+00
6040	479557.17	3850848.54	1.96E+00	5.23E-04	1.19E-02	5.12E-03	1.98E+00	2.05E+00	5.35E+00	1.09E+00	1.75E-01	8.66E+00	2.04E+00	6.12E-04	1.19E-02	5.12E-03	2.06E+00
6041	479469.32	3850805.89	1.96E+00	5.23E-04	1.18E-02	5.13E-03	1.98E+00	2.04E+00	5.34E+00	1.08E+00	1.76E-01	8.64E+00	2.04E+00	6.12E-04	1.18E-02	5.13E-03	2.06E+00
6042	479381.46	3850763.24	1.95E+00	5.36E-04	1.17E-02	5.03E-03	1.96E+00	2.03E+00	5.48E+00	1.07E+00	1.72E-01	8.75E+00	2.03E+00	6.27E-04	1.17E-02	5.03E-03	2.04E+00
6043	479293.61	3850720.59	1.93E+00	5.57E-04	1.16E-02	4.85E-03	1.94E+00	2.01E+00	5.69E+00	1.06E+00	1.66E-01	8.92E+00	2.01E+00	6.52E-04	1.16E-02	4.85E-03	2.02E+00
6044	479205.76	3850677.95	1.91E+00	5.74E-04	1.15E-02	4.71E-03	1.92E+00	1.99E+00	5.87E+00	1.04E+00	1.61E-01	9.06E+00	1.99E+00	6.72E-04	1.15E-02	4.71E-03	2.00E+00
6045	479117.9	3850635.3	1.90E+00	5.94E-04	1.13E-02	4.56E-03	1.91E+00	1.98E+00	6.07E+00	1.03E+00	1.56E-01	9.24E+00	1.98E+00	6.95E-04	1.13E-02	4.56E-03	1.99E+00
6046	479030.05	3850592.65	1.88E+00	6.05E-04	1.12E-02	4.46E-03	1.90E+00	1.96E+00	6.18E+00	1.02E+00	1.53E-01	9.32E+00	1.96E+00	7.08E-04	1.12E-02	4.46E-03	1.98E+00
6047	478942.19	3850550	1.90E+00	5.95E-04	1.11E-02	4.49E-03	1.92E+00	1.99E+00	6.08E+00	1.01E+00	1.54E-01	9.23E+00	1.98E+00	6.96E-04	1.11E-02	4.49E-03	2.00E+00
6048	478854.34	3850507.36	2.02E+00	5.55E-04	1.09E-02	4.68E-03	2.04E+00	2.11E+00	5.67E+00	9.98E-01	1.60E-01	8.93E+00	2.10E+00	6.49E-04	1.09E-02	4.68E-03	2.12E+00
6049	478766.49	3850464.71	2.09E+00	5.42E-04	1.08E-02	4.68E-03	2.10E+00	2.18E+00	5.54E+00	9.85E-01	1.60E-01	8.86E+00	2.17E+00	6.34E-04	1.08E-02	4.68E-03	2.19E+00
6050	478678.63	3850422.06	2.13E+00	5.42E-04	1.07E-02	4.66E-03	2.15E+00	2.22E+00	5.54E+00	9.73E-01	1.59E-01	8.90E+00	2.22E+00	6.34E-04	1.07E-02	4.66E-03	2.23E+00
6051	478590.78	3850379.41	2.17E+00	5.38E-04	1.05E-02	4.65E-03	2.18E+00	2.26E+00	5.50E+00	9.60E-01	1.59E-01	8.88E+00	2.26E+00	6.29E-04	1.05E-02	4.65E-03	2.27E+00
6052	478502.93	3850336.77	2.19E+00	5.38E-04	1.04E-02	4.61E-03	2.20E+00	2.28E+00	5.50E+00	9.48E-01	1.58E-01	8.88E+00	2.28E+00	6.30E-04	1.04E-02	4.61E-03	2.29E+00
6053	478415.07	3850294.12	2.19E+00	5.39E-04	1.03E-02	4.56E-03	2.20E+00	2.28E+00	5.51E+00	9.35E-01	1.56E-01	8.88E+00	2.28E+00	6.31E-04	1.03E-02	4.56E-03	2.29E+00
6054	478327.22	3850251.47	2.22E+00	5.28E-04	1.01E-02	4.56E-03	2.23E+00	2.31E+00	5.39E+00	9.22E-01	1.56E-01	8.79E+00	2.31E+00	6.18E-04	1.01E-02	4.56E-03	2.32E+00
6055	478239.36	3850208.82	2.24E+00	5.18E-04	9.97E-03	4.61E-03	2.26E+00	2.34E+00	5.29E+00	9.09E-01	1.58E-01	8.70E+00	2.34E+00	6.06E-04	9.97E-03	4.61E-03	2.35E+00
6056	478151.51	3850166.18	2.25E+00	5.14E-04	9.83E-03	4.66E-03	2.27E+00	2.35E+00	5.25E+00	8.97E-01	1.59E-01	8.66E+00	2.35E+00	6.01E-04	9.83E-03	4.66E-03	2.36E+00
6057	478063.66	3850123.53	2.24E+00	5.13E-04	9.69E-03	4.70E-03	2.26E+00	2.34E+00	5.24E+00	8.84E-01	1.61E-01	8.62E+00	2.34E+00	6.00E-04	9.69E-03	4.70E-03	2.35E+00
6058	477975.8	3850080.88	2.11E+00	5.56E-04	9.55E-03	4.74E-03	2.12E+00	2.20E+00	5.68E+00	8.71E-01	1.62E-01	8.91E+00	2.19E+00	6.50E-04	9.55E-03	4.74E-03	2.21E+00
6059	477887.95	3850038.23	2.05E+00	5.69E-04	9.41E-03	4.77E-03	2.06E+00	2.14E+00	5.81E+00	8.58E-01	1.63E-01	8.97E+00	2.13E+00	6.66E-04	9.41E-03	4.77E-03	2.15E+00
6060	477800.1	3849995.59	1.98E+00	5.85E-04	9.27E-03	4.80E-03	1.99E+00	2.06E+00	5.98E+00	8.45E-01	1.64E-01	9.05E+00	2.06E+00	6.84E-04	9.27E-03	4.80E-03	2.07E+00
6061	477712.24	3849952.94	1.94E+00	5.86E-04	9.13E-03	4.83E-03	1.95E+00	2.02E+00	5.98E+00	8.32E-01	1.65E-01	9.00E+00	2.02E+00	6.85E-04	9.13E-03	4.83E-03	2.03E+00
6062	477624.39	3849910.29	1.89E+00	5.82E-04	8.99E-03	4.85E-03	1.91E+00	1.98E+00	5.95E+00	8.20E-01	1.66E-01	8.91E+00	1.97E+00	6.81E-04	8.99E-03	4.85E-03	1.99E+00
6063	477536.54	3849867.64	1.84E+00	5.78E-04	8.85E-03	4.88E-03	1.85E+00	1.92E+00	5.91E+00	8.07E-01	1.67E-01	8.80E+00	1.91E+00	6.77E-04	8.85E-03	4.88E-03	1.93E+00
6064	477448.68	3849825	1.80E+00	5.70E-04	8.71E-03	4.89E-03	1.82E+00	1.88E+00	5.82E+00	7.94E-01	1.67E-01	8.67E+00	1.88E+00	6.67E-04	8.71E-03	4.89E-03	1.89E+00
6065	477360.83	3849782.35	1.78E+00	5.60E-04	8.57E-03	4.91E-03	1.79E+00	1.85E+00	5.72E+00	7.82E-01	1.68E-01	8.53E+00	1.85E+00	6.55E-04	8.57E-03	4.91E-03	1.86E+00
6066	477272.97	3849739.7	1.75E+00	5.44E-04	8.45E-03	4.92E-03	1.77E+00	1.83E+00	5.56E+00	7.71E-01	1.68E-01	8.33E+00	1.83E+00	6.37E-04	8.45E-03	4.92E-03	1.84E+00
6067	477185.12	3849697.05	1.72E+00	5.32E-04	8.36E-03	4.93E-03	1.73E+00	1.79E+00	5.44E+00	7.63E-01	1.69E-01	8.17E+00	1.79E+00	6.23E-04	8.36E-03	4.93E-03	1.81E+00
6068	477097.27	3849654.41	1.71E+00	5.26E-04	8.27E-03	4.93E-03	1.73E+00	1.79E+00	5.38E+00	7.55E-01	1.69E-01	8.09E+00	1.78E+00	6.16E-04	8.27E-03	4.93E-03	1.80E+00
6069	477009.41	3849611.76	1.75E+00	5.08E-04	8.18E-03	4.94E-03	1.76E+00	1.83E+00	5.19E+00	7.46E-01	1.69E-01	7.93E+00	1.82E+00	5.94E-04	8.18E-03	4.94E-03	1.84E+00
6070	476841.49	3849530.08	1.76E+00	4.87E-04	8.01E-03	4.93E-03	1.77E+00	1.83E+00	4.97E+00	7.31E-01	1.69E-01	7.71E+00	1.83E+00	5.70E-04	8.01E-03	4.93E-03	1.84E+00
6071	476761.41	3849491.05	1.76E+00	4.79E-04	7.94E-03	4.93E-03	1.77E+00	1.83E+00	4.89E+00	7.24E-01	1.69E-01	7.62E+00	1.83E+00	5.60E-04	7.94E-03	4.93E-03	1.84E+00
6072	476681.34	3849452.02	1.77E+00	4.65E-04	7.86E-03	4.92E-03	1.79E+00	1.85E+00	4.75E+00	7.17E-01	1.68E-01	7.49E+00	1.85E+00	5.44E-04	7.86E-03	4.92E-03	1.86E+00
6073	476601.26	3849412.99	1.79E+00	4.49E-04	7.78E-03	4.91E-03	1.81E+00	1.87E+00	4.59E+00	7.10E-01	1.68E-01	7.34E+00	1.87E+00	5.25E-04	7.78E-03	4.91E-03	1.88E+00
6074	476456.32	3849353.67	1.84E+00	4.14E-04	7.63E-03	4.90E-03	1.85E+00	1.92E+00	4.23E+00	6.96E-01	1.67E-01	7.01E+00	1.91E+00	4.84E-04	7.63E-03	4.90E-03	1.93E+00
6075	476305.43	3849318.83	1.82E+00	4.24E-04	7.46E-03	4.88E-03	1.83E+00	1.90E+00	4.33E+00	6.80E-01	1.67E-01	7.08E+00	1.89E+00	4.96E-04	7.46E-03	4.88E-03	1.91E+00
6076	476129.36	3849289.99	1.79E+00	4.16E-04	7.25E-03	4.92E-03	1.80E+00	1.87E+00	4.25E+00	6.61E-01	1.68E-01	6.94E+00	1.86E+00	4.86E-04	7.25E-03	4.92E-03	1.87E+00
6077	476039.31	3849275.68	1.76E+00	4.07E-04	7.15E-03	4.94E-03	1.77E+00	1.84E+00	4.16E+00	6.52E-01	1.69E-01	6.82E+00	1.83E+00	4.76E-04	7.15E-03	4.94E-03	1.85E+00
6078	475949.26	3849261.38	1.76E+00	3.83E-04	7.04E-03	4.94E-03	1.77E+00	1.83E+00	3.92E+00	6.42E-01	1.69E-01	6.56E+00	1.83E+00	4.48E-04	7.04E-03	4.94E-03	1.84E+00
6079	475859.21	3849247.08	1.68E+00	3.68E-04	6.94E-03	4.94E-03	1.70E+00	1.76E+00	3.76E+00	6.33E-01	1.69E-01	6.32E+00	1.75E+00	4.31E-04	6.94E-03	4.94E-03	1.77E+00
6080	475769.16	3849232.77	1.61E+00	3.51E-04	6.87E-03	4.94E-03	1.63E+00	1.68E+00	3.59E+00	6.27E-01	1.69E-01	6.07E+00	1.68E+00	4.11E-04	6.87E-03	4.94E-03	1.69E+00
6081	475585.22	3849219.27	1.45E+00	2.74E-04	6.82E-03	4.91E-03	1.46E+00	1.51E+00	2.80E+00	6.22E-01	1.68E-01	5.11E+00	1.51E+00	3.21E-04	6.82E-03	4.91E-03	1.52E+00
6082	475444.49	3849150.35	1.52E+00	3.13E-04	6.79E-03	4.86E-03	1.53E+00	1.58E+00	3.20E+00	6.20E-01	1.66E-01	5.57E+00	1.58E+00	3.66E-04	6.79E-03	4.86E-03	1.59E+00
6083	475334.17	3849118.71	1.57E+00	3.20E-04	6.78E-03	4.82E-03	1.58E+00	1.64E+00	3.27E+00	6.19E-01	1.65E-01	5.69E+00	1.64E+00	3.74E-04	6.78E-03	4.82E-03	1.65E+00
6084	475230.47	3849060.56	1.57E+00	3.17E-04	6.75E-03	4.78E-03	1.58E+00	1.64E+00	3.23E+00	6.16E-01	1.64E-01	5.65E+00	1.64E+00	3.70E-04	6.75E-03	4.78E-03	1.65E+00
6085	475110.86	3848960.97	1.51E+00	3.11E-04	6.67E-03	4.74E-03	1.52E+00	1.58E+00	3.17E+00	6.08E-01	1.62E-01	5.52E+00	1.57E+00	3.63E-04	6.67E-03	4.74E-03	1.59E+00
6086	475037.79	3848896.28	1.47E+00	3.03E-04	6.60E-03	4.71E-03	1.48E+00	1.53E+00	3.10E+00	6.02E-01	1.61E-01	5.39E+00	1.53E+00	3.54E-04	6.60E-03	4.71E-03	1.54E+00
6087	474964.72	3848831.59	1.43E+00	2.96E-04	6.55E-03	4.68E-03	1.44E+00	1.49E+00	3.02E+00	5.97E-01	1.60E-01	5.27E+00	1.49E+00	3.46E-04	6.55E-03	4.68E-03	1.50E+00
6088	474891.65	3848766.9	1.39E+00	2.93E-04	6.50E-03	4.66E-03	1.40E+00	1.45E+00	3.00E+00	5.93E-01	1.59E-01	5.20E+00	1.45E+00	3.43E-04	6.50E-03	4.66E-03	1.46E+00
6089	474818.58	3848702.21	1.36E+00	2.92E-04	6.45E-03	4.63E-03	1.37E+00	1.42E+00	2.99E+00	5.88E-01	1.58E-01	5.15E+00	1.41E+00	3.42E-04	6.45E-03	4.63E-03	1.43E+00
6090	474745.51	3848637.53	1.36E+00	3.00E-04	6.41E-03	4.60E-03	1.37E+00	1.42E+00	3.07E+00	5.85E-01	1.57E-01	5.23E+00	1.42E+00	3.51E-04	6.41E-03	4.60E-03	1.43E+00
6091	474672.44	3848572.84	1.35E+00	3.02E-04	6.37E-03	4.58E-03	1.37E+00	1.41E+00	3.09E+00	5.81E-01	1.57E-01	5.24E+00	1.41E+00	3.53E-04	6.37E-03	4.58E-03	1.42E+00
6092	474599.37	3848508.15	1.34E+00	2.96E-04	6.32E-03	4.55E-03	1.35E+00	1.40E+00	3.02E+00	5.76E-01	1.56E-01	5.15E+00	1.39E+00	3.46E-04	6.32E-03	4.55E-03	1.41E+00
6093	474526.3	3848443.46	1.33E+00	2.93E-04	6.27E-03	4.53E-03	1.34E+00	1.38E+00	3.00E+00	5.72E-01	1.55E-01	5.11E+00	1.38E+00	3.43E-04	6.27E-03	4.53E-03	1.39E+00

			NO2				2028 Unmitigated					2028 Mitigated					2033 Unmitigated				
			8th				Rates (g/s	1.64E-01	7.76E-01	1.94E-01	7.36E-02	1.61E-01	3.36E-05	2.13E-03	2.15E-03		1.96E-01	7.76E-01	1.94E-01	7.36E-02	
			Concentration [ug/m^3] at 1 g/s					Concentration [ug/m^3]				Concentration [ug/m^3]					Concentration [ug/m^3]				
	X	Y	CHE (PARE	WHS (PAR	STCK1-10	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	5.86223	0.86574	0.7846	1.92341		9.59E-01	6.72E-01	1.52E-01	1.42E-01	1.92E+00	9.45E-01	2.91E-05	1.67E-03	4.14E-03	9.50E-01	1.15E+00	6.72E-01	1.52E-01	1.42E-01	2.11E+00
2	486023.61	3854936.51	5.46495	0.83765	0.8101	1.98473		8.94E-01	6.50E-01	1.57E-01	1.46E-01	1.85E+00	8.81E-01	2.81E-05	1.72E-03	4.27E-03	8.87E-01	1.07E+00	6.50E-01	1.57E-01	1.46E-01	2.02E+00
3	486073.61	3854936.51	5.27833	0.81818	0.8432	2.01514		8.63E-01	6.35E-01	1.64E-01	1.48E-01	1.81E+00	8.51E-01	2.75E-05	1.79E-03	4.34E-03	8.57E-01	1.03E+00	6.35E-01	1.64E-01	1.48E-01	1.98E+00
4	486123.61	3854936.51	4.77192	0.77401	0.9136	2.03448		7.80E-01	6.00E-01	1.77E-01	1.50E-01	1.71E+00	7.69E-01	2.60E-05	1.94E-03	4.38E-03	7.75E-01	9.34E-01	6.00E-01	1.77E-01	1.50E-01	1.86E+00
5	486173.61	3854936.51	4.73259	0.76184	0.9602	2.05095		7.74E-01	5.91E-01	1.86E-01	1.51E-01	1.70E+00	7.63E-01	2.56E-05	2.04E-03	4.42E-03	7.69E-01	9.26E-01	5.91E-01	1.86E-01	1.51E-01	1.85E+00
6	486223.61	3854936.51	4.43882	0.735	0.9891	2.07457		7.26E-01	5.70E-01	1.92E-01	1.53E-01	1.64E+00	7.15E-01	2.47E-05	2.10E-03	4.47E-03	7.22E-01	8.69E-01	5.70E-01	1.92E-01	1.53E-01	1.78E+00
7	486273.61	3854936.51	4.26081	0.72519	1.0198	2.08166		6.97E-01	5.63E-01	1.98E-01	1.53E-01	1.61E+00	6.87E-01	2.44E-05	2.17E-03	4.48E-03	6.93E-01	8.34E-01	5.63E-01	1.98E-01	1.53E-01	1.75E+00
8	486323.61	3854936.51	4.06414	0.71533	1.0389	2.08981		6.65E-01	5.55E-01	2.01E-01	1.54E-01	1.57E+00	6.55E-01	2.40E-05	2.21E-03	4.50E-03	6.62E-01	7.95E-01	5.55E-01	2.01E-01	1.54E-01	1.71E+00
9	485973.61	3854986.51	6.3002	0.89875	0.7974	2.02718		1.03E+00	6.97E-01	1.55E-01	1.49E-01	2.03E+00	1.02E+00	3.02E-05	1.70E-03	4.36E-03	1.02E+00	1.23E+00	6.97E-01	1.55E-01	1.49E-01	2.23E+00
10	486023.61	3854986.51	6.06167	0.87922	0.799	2.06098		9.91E-01	6.82E-01	1.55E-01	1.52E-01	1.98E+00	9.77E-01	2.95E-05	1.70E-03	4.44E-03	9.83E-01	1.19E+00	6.82E-01	1.55E-01	1.52E-01	2.17E+00
11	486073.61	3854986.51	5.63861	0.85468	0.8355	2.05736		9.22E-01	6.63E-01	1.62E-01	1.51E-01	1.90E+00	9.09E-01	2.87E-05	1.78E-03	4.43E-03	9.15E-01	1.10E+00	6.63E-01	1.62E-01	1.51E-01	2.08E+00
12	486123.61	3854986.51	5.34269	0.81542	0.8877	2.09458		8.74E-01	6.33E-01	1.72E-01	1.54E-01	1.83E+00	8.61E-01	2.74E-05	1.89E-03	4.51E-03	8.67E-01	1.05E+00	6.33E-01	1.72E-01	1.54E-01	2.00E+00
13	486173.61	3854986.51	5.1426	0.79845	0.9487	2.1078		8.41E-01	6.19E-01	1.84E-01	1.55E-01	1.80E+00	8.29E-01	2.68E-05	2.02E-03	4.54E-03	8.35E-01	1.01E+00	6.19E-01	1.84E-01	1.55E-01	1.96E+00
14	486223.61	3854986.51	4.80826	0.76722	0.9922	2.12553		7.86E-01	5.95E-01	1.92E-01	1.56E-01	1.73E+00	7.75E-01	2.58E-05	2.11E-03	4.58E-03	7.81E-01	9.41E-01	5.95E-01	1.92E-01	1.56E-01	1.88E+00
15	486273.61	3854986.51	4.45863	0.74232	1.0156	2.16075		7.29E-01	5.76E-01	1.97E-01	1.59E-01	1.66E+00	7.18E-01	2.49E-05	2.16E-03	4.65E-03	7.25E-01	8.72E-01	5.76E-01	1.97E-01	1.59E-01	1.80E+00
16	486323.61	3854986.51	4.44005	0.74639	1.0553	2.17391		7.26E-01	5.79E-01	2.05E-01	1.60E-01	1.67E+00	7.15E-01	2.51E-05	2.24E-03	4.68E-03	7.22E-01	8.69E-01	5.79E-01	2.05E-01	1.60E-01	1.81E+00
17	485973.61	3855036.51	6.99308	0.94855	0.8146	2.02084		1.14E+00	7.36E-01	1.58E-01	1.49E-01	2.19E+00	1.13E+00	3.19E-05	1.73E-03	4.35E-03	1.13E+00	1.37E+00	7.36E-01	1.58E-01	1.49E-01	2.41E+00
18	486023.61	3855036.51	6.59642	0.91242	0.812	2.06087		1.08E+00	7.08E-01	1.57E-01	1.52E-01	2.10E+00	1.06E+00	3.06E-05	1.73E-03	4.44E-03	1.07E+00	1.29E+00	7.08E-01	1.57E-01	1.52E-01	2.31E+00
19	486073.61	3855036.51	5.97955	0.88846	0.8276	2.10236		9.78E-01	6.89E-01	1.60E-01	1.55E-01	1.98E+00	9.63E-01	2.98E-05	1.76E-03	4.53E-03	9.70E-01	1.17E+00	6.89E-01	1.60E-01	1.55E-01	2.17E+00
20	486123.61	3855036.51	5.69409	0.8503	0.8607	2.17844		9.31E-01	6.60E-01	1.67E-01	1.60E-01	1.92E+00	9.17E-01	2.86E-05	1.83E-03	4.69E-03	9.24E-01	1.11E+00	6.60E-01	1.67E-01	1.60E-01	2.10E+00
21	486173.61	3855036.51	5.50631	0.824	0.9405	2.28847		9.01E-01	6.39E-01	1.82E-01	1.68E-01	1.89E+00	8.87E-01	2.77E-05	2.00E-03	4.93E-03	8.94E-01	1.08E+00	6.39E-01	1.82E-01	1.68E-01	2.07E+00
22	486223.61	3855036.51	5.11661	0.79078	0.9778	2.26677		8.37E-01	6.13E-01	1.90E-01	1.67E-01	1.81E+00	8.24E-01	2.66E-05	2.08E-03	4.88E-03	8.31E-01	1.00E+00	6.13E-01	1.90E-01	1.67E-01	1.97E+00
23	486273.61	3855036.51	5.04707	0.78008	1.0135	2.32749		8.26E-01	6.05E-01	1.97E-01	1.71E-01	1.80E+00	8.13E-01	2.62E-05	2.15E-03	5.01E-03	8.20E-01	9.88E-01	6.05E-01	1.97E-01	1.71E-01	1.96E+00
24	486323.61	3855036.51	4.74537	0.76394	1.059	2.41784		7.76E-01	5.93E-01	2.05E-01	1.78E-01	1.75E+00	7.65E-01	2.57E-05	2.25E-03	5.21E-03	7.72E-01	9.29E-01	5.93E-01	2.05E-01	1.78E-01	1.90E+00
25	485973.61	3855086.51	7.64802	0.98649	0.8317	2.12035		1.25E+00	7.65E-01	1.61E-01	1.56E-01	2.33E+00	1.23E+00	3.31E-05	1.77E-03	4.56E-03	1.24E+00	1.50E+00	7.65E-01	1.61E-01	1.56E-01	2.58E+00
26	486023.61	3855086.51	7.3236	0.96524	0.8276	2.20904		1.20E+00	7.49E-01	1.60E-01	1.63E-01	2.27E+00	1.18E+00	3.24E-05	1.76E-03	4.76E-03	1.19E+00	1.43E+00	7.49E-01	1.60E-01	1.63E-01	2.50E+00
27	486073.61	3855086.51	6.66473	0.91617	0.822	2.24985		1.09E+00	7.11E-01	1.59E-01	1.66E-01	2.13E+00	1.07E+00	3.08E-05	1.75E-03	4.84E-03	1.08E+00	1.30E+00	7.11E-01	1.59E-01	1.66E-01	2.34E+00
28	486123.61	3855086.51	6.31897	0.89975	0.8604	2.34087		1.03E+00	6.98E-01	1.67E-01	1.72E-01	2.07E+00	1.02E+00	3.02E-05	1.83E-03	5.04E-03	1.03E+00	1.24E+00	6.98E-01	1.67E-01	1.72E-01	2.27E+00
29	486173.61	3855086.51	5.86659	0.85704	0.9093	2.46289		9.60E-01	6.65E-01	1.76E-01	1.81E-01	1.98E+00	9.45E-01	2.88E-05	1.93E-03	5.30E-03	9.53E-01	1.15E+00	6.65E-01	1.76E-01	1.81E-01	2.17E+00
30	486223.61	3855086.51	5.61947	0.82784	0.9691	2.54861		9.19E-01	6.42E-01	1.88E-01	1.88E-01	1.94E+00	9.05E-01	2.78E-05	2.06E-03	5.49E-03	9.13E-01	1.10E+00	6.42E-01	1.88E-01	1.88E-01	2.12E+00
31	485973.61	3855136.51	8.60721	1.04264	0.8489	2.29971		1.41E+00	8.09E-01	1.65E-01	1.69E-01	2.55E+00	1.39E+00	3.50E-05	1.80E-03	4.95E-03	1.39E+00	1.68E+00	8.09E-01	1.65E-01	1.69E-01	2.83E+00
32	486023.61	3855136.51	8.10758	1.01549	0.8457	2.32825		1.33E+00	7.88E-01	1.64E-01	1.71E-01	2.45E+00	1.31E+00	3.41E-05	1.80E-03	5.01E-03	1.31E+00	1.59E+00	7.88E-01	1.64E-01	1.71E-01	2.71E+00
33	486073.61	3855136.51	7.49931	0.97105	0.841	2.41301		1.23E+00	7.53E-01	1.63E-01	1.78E-01	2.32E+00	1.21E+00	3.26E-05	1.79E-03	5.19E-03	1.22E+00	1.47E+00	7.53E-01	1.63E-01	1.78E-01	2.56E+00
34	486123.61	3855136.51	6.93487	0.94181	0.846	2.63222		1.13E+00	7.31E-01	1.64E-01	1.94E-01	2.22E+00	1.12E+00	3.16E-05	1.80E-03	5.67E-03	1.12E+00	1.36E+00	7.31E-01	1.64E-01	1.94E-01	2.45E+00
35	486173.61	3855136.51	6.40349	0.90708	0.8831	2.74675		1.05E+00	7.04E-01	1.71E-01	2.02E-01	2.12E+00	1.03E+00	3.05E-05	1.88E-03	5.91E-03	1.04E+00	1.25E+00	7.04E-01	1.71E-01	2.02E-01	2.33E+00
36	486223.61	3855136.51	6.07765	0.86632	0.9688	2.81013		9.94E-01	6.72E-01	1.88E-01	2.07E-01	2.06E+00	9.79E-01	2.91E-05	2.06E-03	6.05E-03	9.87E-01	1.19E+00	6.72E-01	1.88E-01	2.07E-01	2.26E+00
37	485973.61	3855186.51	9.90784	1.10797	0.866	2.56339		1.62E+00	8.59E-01	1.68E-01	1.89E-01	2.84E+00	1.60E+00	3.72E-05	1.84E-03	5.52E-03	1.60E+00	1.94E+00	8.60E-01	1.68E-01	1.89E-01	3.15E+00
38	486023.61	3855186.51	9.28708	1.06152	0.8639	2.69034		1.52E+00	8.23E-01	1.68E-01	1.98E-01	2.71E+00	1.50E+00	3.57E-05	1.84E-03	5.79E-03	1.50E+00	1.82E+00	8.23E-01	1.68E-01	1.98E-01	3.01E+00
39	486073.61	3855186.51	8.46	1.02276	0.8601	2.70982		1.38E+00	7.93E-01	1.67E-01	2.00E-01	2.54E+00	1.36E+00	3.44E-05	1.83E-03	5.83E-03	1.37E+00	1.66E+00	7.93E-01	1.67E-01	2.00E-01	2.82E+00
40	486123.61	3855186.51	7.54333	0.97015	0.8548	2.77314		1.23E+00	7.53E-01	1.66E-01	2.04E-01	2.36E+00	1.22E+00	3.26E-05	1.82E-03	5.97E-03	1.22E+00	1.48E+00	7.53E-01	1.66E-01	2.04E-01	2.60E+00
41	486173.61	3855186.51	7.02663	0.93851	0.8807	2.78758		1.15E+00	7.28E-01	1.71E-01	2.05E-01	2.25E+00	1.13E+00	3.15E-05	1.87E-03	6.00E-03	1.14E+00	1.37E+00	7.28E-01	1.71E-01	2.05E-01	2.48E+00
42	486223.61	3855186.51	6.61316	0.9082	0.9333	2.80015		1.08E+00	7.04E-01	1.81E-01	2.06E-01	2.17E+00	1.07E+00	3.05E-05	1.98E-03	6.03E-03	1.07E+00	1.29E+00	7.05E-01	1.81E-01	2.06E-01	2.39E+00
43	486273.61	3855186.51	6.22172	0.85978	1.0041	2.71864		1.02E+00	6.67E-01	1.95E-01	2.00E-01	2.08E+00	1.00E+00	2.89E-05	2.13E-03	5.85E-03	1.01E+00	1.22E+00	6.67E-01	1.95E-01	2.00E-01	2.28E+00
44	486323.61	3855186.51	6.40135	0.86238	1.0368	2.66341		1.05E+00	6.69E-01	2.01E-01	1.96E-01	2.11E+00	1.03E+00	2.90E-05	2.20E-03	5.73E-03	1.04E+00	1.25E+00	6.69E-01	2.01E-01	1.96E-01	2.32E+00
45	485973.61	3855236.51	11.1185	1.18088	0.8829	2.65151		1.82E+00	9.16E-01	1.71E-01	1.95E-01	3.10E+00	1.79E+00	3.97E-05	1.88E-03	5.71E-03	1.80E+00	2.18E+00	9.16E-01	1.71E-01	1.95E-01	3.46E+00
46	486023.61	3855236.51	10.1451	1.11009	0.8817	2.79855		1.66E+00	8.61E-01	1.71E-01	2.06E-01	2.90E+00	1.63E+00	3.73E-05	1.87E-03	6.02E-03	1.64E+00	1.99E+00	8.61E-01	1.71E-01	2.06E-01	3.22E+00
47	486073.61	3855236.51	9.10673	1.04676	0.879	2.82648		1.49E+00	8.12E-01	1.70E-01	2.08E-01	2.68E+00	1.47E+00	3.52E-05	1.87E-03	6.08E-03	1.48E+00	1.78E+00	8.12E-01	1.70E-01	2.08E-01	2.97E+00
48	486123.61	3855236.51	8.41142	1.01966	0.8749	2.90446		1.38E+00	7.91E-01	1.70E-01	2.14E-01	2.55E+00	1.36E+00	3.43E-05	1.86E-03	6.25E-03	1.36E+00	1.65E+00	7.91E-01	1.70E-01	2.14E-01	2.82E+00
49	486173.61	3855236.51	7.84002	0.96884	0.8713	2.98234		1.28E+00	7.52E-01	1.69E-01	2.20E-01	2.42E+00	1.26E+00	3.25E-05	1.85E-03	6.42E-03	1.27E+00	1.53E+00	7.52E-01	1.69E-01	2.20E-01	2.67E+00
50	486223.61	3855236.51	7.308	0.93956	0.9119	2.94201		1.20E+00	7.29E-01	1.77E-01	2.17E-01	2.32E+00	1.18E+00	3.16E-05	1.94E-03	6.33E-03	1.19E+00	1.43E+00	7.29E-01	1.77E-01	2.17E-01	2.55E+00
51	486273.61	3855236.51	6.47184	0.87884	0.9948	2.81696		1.06E+00	6.82E-01	1.93E-01	2.07E-01	2.14E+00	1.04E+00	2.95E-05	2.12E-03	6.06E-03	1.05E+00	1.27E+00	6.82E-01	1.93E-01	2.07E-01	2.35E+00
52	486323.61	3855236.51	7.07463	0.89449	1.0244	2.69571		1.16E+00	6.94E-01	1.99E-01	1.98E-01	2.25E+00	1.14E+00	3.00E-05	2.18E-03	5.80E-03	1.15E+00	1.38E+00	6.94E-01	1.99E-01	1.98E-01	2.48E+00
53	485973.61	3855286.51	12.3872	1.22556	0.8929	2.89907		2.03E+00	9.51E-01	1.73E-01	2.13E-01	3.36E+00	2.00E+00	4.12E-05	1.90E-03	6.24E-03	2.00E+00	2.42E+00	9.51E-01	1.73E-01	2.13E-01	3.76E+00
54	486023.61	3855286.51	11.1031	1.16703	0.8995	2.9021		1.82E+00	9.05E-01	1.74E-01	2.14E-01	3.11E+00	1.79E+00	3.92E-05	1.91E-03	6.25E-03	1.80E+00	2.17E+00	9.05E-01	1.74E-01	2.14E-01	3.47E+00
55	486073.61	3855286.51	10.1558	1.10115	0.898	3.00668		1.66E+00	8.54E-01	1.74E-01	2.21E-01	2.91E+00	1.64E+00	3.70E-05	1.91E-03	6.47E-03	1.64E+00	1.99E+00	8.54E-01	1.74E-01	2.21E-01	3.24E+00
56	486123.61	3855286.51	9.23859	1.05574	0.8949	3.07812		1.51E+00	8.19E-01	1.74E-01	2.27E-01	2.73E+00	1.49E+00	3.55E-05	1.90E-03	6.63E-03	1.50E+00	1.81E+00	8.19E-01	1.74E-01	2.27E-01	3.03E+00
57	486173.61	3855286.51	8.46851	1.00999	0.8859	3.07895		1.39E+00	7.83E-01	1.72E-01	2.27E-01	2.57E+00	1.36E+00	3.39E-05	1.88E-03	6.63E-03	1.37E+00	1.66E+00	7.83E-01	1.72E-01	2.27E-01	2.84E+00

58	486223.61	3855286.51	8.03785	0.97515	0.9051	3.03982	1.31E+00	7.56E-01	1.76E-01	2.24E-01	2.47E+00	1.30E+00	3.28E-05	1.92E-03	6.54E-03	1.30E+00	1.57E+00	7.56E-01	1.76E-01	2.24E-01	2.73E+00
59	486123.61	3855336.51	10.0132	1.10273	0.9148	3.15593	1.64E+00	8.55E-01	1.77E-01	2.32E-01	2.90E+00	1.61E+00	3.70E-05	1.95E-03	6.79E-03	1.62E+00	1.96E+00	8.55E-01	1.77E-01	2.32E-01	3.22E+00
60	486173.61	3855336.51	9.38805	1.06195	0.9096	3.14127	1.54E+00	8.24E-01	1.76E-01	2.31E-01	2.77E+00	1.51E+00	3.57E-05	1.93E-03	6.76E-03	1.52E+00	1.84E+00	8.24E-01	1.76E-01	2.31E-01	3.07E+00
61	486223.61	3855336.51	8.76962	1.01862	0.9063	3.13273	1.43E+00	7.90E-01	1.76E-01	2.31E-01	2.63E+00	1.41E+00	3.42E-05	1.93E-03	6.74E-03	1.42E+00	1.72E+00	7.90E-01	1.76E-01	2.31E-01	2.91E+00
62	486123.61	3855386.51	11.2673	1.15248	0.9347	3.17291	1.84E+00	8.94E-01	1.81E-01	2.34E-01	3.15E+00	1.82E+00	3.87E-05	1.99E-03	6.83E-03	1.82E+00	2.20E+00	8.94E-01	1.81E-01	2.34E-01	3.51E+00
63	486173.61	3855386.51	10.4774	1.11417	0.9326	3.28822	1.71E+00	8.64E-01	1.81E-01	2.42E-01	3.00E+00	1.69E+00	3.74E-05	1.98E-03	7.08E-03	1.70E+00	2.05E+00	8.64E-01	1.81E-01	2.42E-01	3.34E+00
64	486223.61	3855386.51	9.85669	1.0681	0.9217	3.35981	1.61E+00	8.29E-01	1.79E-01	2.47E-01	2.87E+00	1.59E+00	3.59E-05	1.96E-03	7.23E-03	1.60E+00	1.93E+00	8.29E-01	1.79E-01	2.47E-01	3.18E+00
65	486533.18	3855443.15	8.45306	0.9632	1.1662	3.23887	1.38E+00	7.47E-01	2.26E-01	2.38E-01	2.59E+00	1.36E+00	3.24E-05	2.48E-03	6.97E-03	1.37E+00	1.65E+00	7.47E-01	2.26E-01	2.38E-01	2.87E+00
66	486583.18	3855443.15	8.05295	0.94363	1.2576	3.24523	1.32E+00	7.32E-01	2.44E-01	2.39E-01	2.53E+00	1.30E+00	3.17E-05	2.67E-03	6.99E-03	1.31E+00	1.58E+00	7.32E-01	2.44E-01	2.39E-01	2.79E+00
67	486633.18	3855443.15	7.6841	0.91268	1.3269	3.31665	1.26E+00	7.08E-01	2.57E-01	2.44E-01	2.47E+00	1.24E+00	3.07E-05	2.82E-03	7.14E-03	1.25E+00	1.50E+00	7.08E-01	2.57E-01	2.44E-01	2.71E+00
68	486683.18	3855443.15	7.48504	0.90363	1.2935	3.366	1.22E+00	7.01E-01	2.51E-01	2.48E-01	2.42E+00	1.21E+00	3.04E-05	2.75E-03	7.25E-03	1.22E+00	1.46E+00	7.01E-01	2.51E-01	2.48E-01	2.66E+00
69	486533.18	3855493.15	9.1505	0.99433	1.1442	3.40971	1.50E+00	7.71E-01	2.22E-01	2.51E-01	2.74E+00	1.47E+00	3.34E-05	2.43E-03	7.34E-03	1.48E+00	1.79E+00	7.71E-01	2.22E-01	2.51E-01	3.03E+00
70	486583.18	3855493.15	8.7677	0.9736	1.2219	3.53801	1.43E+00	7.55E-01	2.37E-01	2.60E-01	2.69E+00	1.41E+00	3.27E-05	2.60E-03	7.62E-03	1.42E+00	1.72E+00	7.55E-01	2.37E-01	2.60E-01	2.97E+00
71	486633.18	3855493.15	8.37899	0.95215	1.3084	3.61285	1.37E+00	7.39E-01	2.54E-01	2.66E-01	2.63E+00	1.35E+00	3.20E-05	2.78E-03	7.78E-03	1.36E+00	1.64E+00	7.39E-01	2.54E-01	2.66E-01	2.90E+00
72	486683.18	3855493.15	8.0142	0.92215	1.3698	3.64216	1.31E+00	7.15E-01	2.66E-01	2.68E-01	2.56E+00	1.29E+00	3.10E-05	2.91E-03	7.84E-03	1.30E+00	1.57E+00	7.15E-01	2.66E-01	2.68E-01	2.82E+00
73	486533.18	3855543.15	10.2249	1.03487	1.1523	3.63798	1.67E+00	8.03E-01	2.23E-01	2.68E-01	2.97E+00	1.65E+00	3.48E-05	2.45E-03	7.83E-03	1.66E+00	2.00E+00	8.03E-01	2.23E-01	2.68E-01	3.29E+00
74	486583.18	3855543.15	9.46356	1.00088	1.1882	3.68691	1.55E+00	7.76E-01	2.30E-01	2.71E-01	2.83E+00	1.52E+00	3.36E-05	2.53E-03	7.94E-03	1.54E+00	1.85E+00	7.76E-01	2.30E-01	2.71E-01	3.13E+00
75	486633.18	3855543.15	9.10178	0.97585	1.2678	3.72371	1.49E+00	7.57E-01	2.46E-01	2.74E-01	2.77E+00	1.47E+00	3.28E-05	2.70E-03	8.02E-03	1.48E+00	1.78E+00	7.57E-01	2.46E-01	2.74E-01	3.06E+00
76	486683.18	3855543.15	8.47686	0.93453	1.3709	3.67996	1.39E+00	7.25E-01	2.66E-01	2.71E-01	2.65E+00	1.37E+00	3.14E-05	2.91E-03	7.92E-03	1.38E+00	1.66E+00	7.25E-01	2.66E-01	2.71E-01	2.92E+00
77	486533.18	3855593.15	11.266	1.07023	1.1803	3.9149	1.84E+00	8.30E-01	2.29E-01	2.88E-01	3.19E+00	1.82E+00	3.60E-05	2.51E-03	8.43E-03	1.83E+00	2.20E+00	8.30E-01	2.29E-01	2.88E-01	3.55E+00
78	486583.18	3855593.15	10.5518	1.03408	1.1758	3.84486	1.73E+00	8.02E-01	2.28E-01	2.83E-01	3.04E+00	1.70E+00	3.47E-05	2.50E-03	8.28E-03	1.71E+00	2.06E+00	8.02E-01	2.28E-01	2.83E-01	3.38E+00
79	486633.18	3855593.15	9.93832	1.00698	1.2317	3.66313	1.63E+00	7.81E-01	2.39E-01	2.70E-01	2.92E+00	1.60E+00	3.38E-05	2.62E-03	7.89E-03	1.61E+00	1.94E+00	7.81E-01	2.39E-01	2.70E-01	3.23E+00
80	486683.18	3855593.15	9.45986	0.97191	1.3186	3.59974	1.55E+00	7.54E-01	2.56E-01	2.65E-01	2.82E+00	1.52E+00	3.26E-05	2.80E-03	7.75E-03	1.53E+00	1.85E+00	7.54E-01	2.56E-01	2.65E-01	3.13E+00
81	486533.18	3855643.15	12.281	1.09938	1.2084	3.94326	2.01E+00	8.53E-01	2.34E-01	2.90E-01	3.39E+00	1.98E+00	3.69E-05	2.57E-03	8.49E-03	1.99E+00	2.40E+00	8.53E-01	2.34E-01	2.90E-01	3.78E+00
82	486583.18	3855643.15	11.5176	1.0709	1.206	3.91088	1.88E+00	8.31E-01	2.34E-01	2.88E-01	3.24E+00	1.86E+00	3.60E-05	2.56E-03	8.42E-03	1.87E+00	2.25E+00	8.31E-01	2.34E-01	2.88E-01	3.61E+00
83	486633.18	3855643.15	10.8844	1.03904	1.2003	3.84875	1.78E+00	8.06E-01	2.33E-01	2.83E-01	3.10E+00	1.75E+00	3.49E-05	2.55E-03	8.29E-03	1.76E+00	2.13E+00	8.06E-01	2.33E-01	2.83E-01	3.45E+00
84	486683.18	3855643.15	10.2612	1.01055	1.2816	3.83628	1.68E+00	7.84E-01	2.49E-01	2.82E-01	2.99E+00	1.65E+00	3.39E-05	2.72E-03	8.26E-03	1.66E+00	2.01E+00	7.84E-01	2.49E-01	2.82E-01	3.32E+00
85	486533.18	3855693.15	13.6245	1.14743	1.2166	4.08414	2.23E+00	8.90E-01	2.36E-01	3.01E-01	3.66E+00	2.20E+00	3.85E-05	2.59E-03	8.79E-03	2.21E+00	2.67E+00	8.90E-01	2.36E-01	3.01E-01	4.09E+00
86	486583.18	3855693.15	12.5786	1.09932	1.2361	4.14571	2.06E+00	8.53E-01	2.40E-01	3.05E-01	3.46E+00	2.03E+00	3.69E-05	2.63E-03	8.92E-03	2.04E+00	2.46E+00	8.53E-01	2.40E-01	3.05E-01	3.86E+00
87	486633.18	3855693.15	11.5951	1.05293	1.2323	4.05506	1.90E+00	8.17E-01	2.39E-01	2.99E-01	3.25E+00	1.87E+00	3.54E-05	2.62E-03	8.73E-03	1.88E+00	2.27E+00	8.17E-01	2.39E-01	2.99E-01	3.62E+00
88	486683.18	3855693.15	11.299	1.04087	1.2535	4.00291	1.85E+00	8.07E-01	2.43E-01	2.95E-01	3.19E+00	1.82E+00	3.50E-05	2.67E-03	8.62E-03	1.83E+00	2.21E+00	8.07E-01	2.43E-01	2.95E-01	3.56E+00
89	486733.18	3855693.15	11.31	1.05943	1.3323	4.03918	1.85E+00	8.22E-01	2.58E-01	2.97E-01	3.23E+00	1.82E+00	3.56E-05	2.83E-03	8.70E-03	1.83E+00	2.21E+00	8.22E-01	2.58E-01	2.97E-01	3.59E+00
90	486783.18	3855693.15	11.4024	1.08485	1.4611	4.11247	1.86E+00	8.42E-01	2.83E-01	3.03E-01	3.29E+00	1.84E+00	3.64E-05	3.11E-03	8.85E-03	1.85E+00	2.23E+00	8.42E-01	2.83E-01	3.03E-01	3.66E+00
91	486533.18	3855743.15	14.7516	1.20096	1.178	4.33994	2.41E+00	9.32E-01	2.28E-01	3.20E-01	3.89E+00	2.38E+00	4.03E-05	2.50E-03	9.34E-03	2.39E+00	2.89E+00	9.32E-01	2.28E-01	3.20E-01	4.37E+00
92	486583.18	3855743.15	13.4401	1.11681	1.2661	4.31548	2.20E+00	8.66E-01	2.46E-01	3.18E-01	3.63E+00	2.17E+00	3.75E-05	2.69E-03	9.29E-03	2.18E+00	2.63E+00	8.66E-01	2.46E-01	3.18E-01	4.06E+00
93	486633.18	3855743.15	12.6122	1.0816	1.2649	4.34671	2.06E+00	8.39E-01	2.45E-01	3.20E-01	3.47E+00	2.03E+00	3.63E-05	2.69E-03	9.36E-03	2.04E+00	2.47E+00	8.39E-01	2.45E-01	3.20E-01	3.87E+00
94	486683.18	3855743.15	12.5166	1.08875	1.2607	4.30282	2.05E+00	8.45E-01	2.44E-01	3.17E-01	3.45E+00	2.02E+00	3.66E-05	2.68E-03	9.26E-03	2.03E+00	2.45E+00	8.45E-01	2.44E-01	3.17E-01	3.86E+00
95	486733.18	3855743.15	12.0903	1.08631	1.2999	4.23869	1.98E+00	8.43E-01	2.52E-01	3.12E-01	3.38E+00	1.95E+00	3.65E-05	2.76E-03	9.12E-03	1.96E+00	2.37E+00	8.43E-01	2.52E-01	3.12E-01	3.77E+00
96	486783.18	3855743.15	12.447	1.11751	1.413	4.14626	2.04E+00	8.67E-01	2.74E-01	3.05E-01	3.48E+00	2.01E+00	3.75E-05	3.00E-03	8.93E-03	2.02E+00	2.44E+00	8.67E-01	2.74E-01	3.05E-01	3.88E+00
97	486533.18	3855793.15	15.9058	1.25956	1.1526	4.48207	2.60E+00	9.77E-01	2.24E-01	3.30E-01	4.13E+00	2.56E+00	4.23E-05	2.45E-03	9.65E-03	2.58E+00	3.11E+00	9.77E-01	2.24E-01	3.30E-01	4.64E+00
98	486583.18	3855793.15	13.9775	1.12904	1.2653	4.39167	2.29E+00	8.76E-01	2.45E-01	3.23E-01	3.73E+00	2.25E+00	3.79E-05	2.69E-03	9.45E-03	2.26E+00	2.74E+00	8.76E-01	2.45E-01	3.23E-01	4.18E+00
99	486633.18	3855793.15	13.9407	1.13026	1.2978	4.39	2.28E+00	8.77E-01	2.52E-01	3.23E-01	3.73E+00	2.25E+00	3.80E-05	2.76E-03	9.45E-03	2.26E+00	2.73E+00	8.77E-01	2.52E-01	3.23E-01	4.18E+00
100	486683.18	3855793.15	13.9004	1.13638	1.2961	4.39464	2.27E+00	8.81E-01	2.51E-01	3.24E-01	3.73E+00	2.24E+00	3.82E-05	2.76E-03	9.46E-03	2.25E+00	2.72E+00	8.82E-01	2.51E-01	3.24E-01	4.18E+00
101	486733.18	3855793.15	13.6172	1.14831	1.3033	4.40611	2.23E+00	8.91E-01	2.53E-01	3.24E-01	3.70E+00	2.19E+00	3.86E-05	2.77E-03	9.49E-03	2.21E+00	2.66E+00	8.91E-01	2.53E-01	3.24E-01	4.13E+00
102	486783.18	3855793.15	13.4462	1.1471	1.3593	4.33227	2.20E+00	8.90E-01	2.64E-01	3.19E-01	3.67E+00	2.17E+00	3.85E-05	2.89E-03	9.33E-03	2.18E+00	2.63E+00	8.90E-01	2.64E-01	3.19E-01	4.10E+00
103	486533.18	3855843.15	16.6739	1.28347	1.1129	4.8048	2.73E+00	9.96E-01	2.16E-01	3.54E-01	4.29E+00	2.69E+00	4.31E-05	2.37E-03	1.03E-02	2.70E+00	3.26E+00	9.96E-01	2.16E-01	3.54E-01	4.83E+00
104	486583.18	3855843.15	15.1737	1.18082	1.2146	4.92272	2.48E+00	9.16E-01	2.36E-01	3.62E-01	4.00E+00	2.44E+00	3.97E-05	2.58E-03	1.06E-02	2.46E+00	2.97E+00	9.16E-01	2.36E-01	3.62E-01	4.48E+00
105	486633.18	3855843.15	15.0265	1.17277	1.3363	4.89247	2.46E+00	9.10E-01	2.59E-01	3.60E-01	3.99E+00	2.42E+00	3.94E-05	2.84E-03	1.05E-02	2.43E+00	2.94E+00	9.10E-01	2.59E-01	3.60E-01	4.47E+00
106	486683.18	3855843.15	14.9173	1.18247	1.3315	4.78328	2.44E+00	9.17E-01	2.58E-01	3.52E-01	3.97E+00	2.40E+00	3.97E-05	2.83E-03	1.03E-02	2.42E+00	2.92E+00	9.17E-01	2.58E-01	3.52E-01	4.45E+00
107	486733.18	3855843.15	14.8561	1.19641	1.3285	4.60431	2.43E+00	9.28E-01	2.58E-01	3.39E-01	3.95E+00	2.39E+00	4.02E-05	2.82E-03	9.91E-03	2.41E+00	2.91E+00	9.28E-01	2.58E-01	3.39E-01	4.43E+00
108	486783.18	3855843.15	14.5691	1.19417	1.3347	4.55343	2.38E+00	9.26E-01	2.59E-01	3.35E-01	3.90E+00	2.35E+00	4.01E-05	2.84E-03	9.80E-03	2.36E+00	2.85E+00	9.26E-01	2.59E-01	3.35E-01	4.37E+00
109	486533.18	3855893.15	16.897	1.26434	1.148	4.85093	2.76E+00	9.81E-01	2.23E-01	3.57E-01	4.32E+00	2.72E+00	4.25E-05	2.44E-03	1.04E-02	2.74E+00	3.31E+00	9.81E-01	2.23E-01	3.57E-01	4.87E+00
110	486583.18	3855893.15	16.7581	1.25348	1.1729	4.75998	2.74E+00	9.72E-01	2.27E-01	3.50E-01	4.29E+00	2.70E+00	4.21E-05	2.49E-03	1.02E-02	2.71E+00	3.28E+00	9.72E-01	2.27E-01	3.50E-01	4.83E+00
111	486633.18	3855893.15	16.5058	1.23304	1.3104	4.64528	2.70E+00	9.56E-01	2.54E-01	3.42E-01	4.25E+00	2.66E+00	4.14E-05	2.79E-03	1.00E-02	2.67E+00	3.23E+00	9.57E-01	2.54E-01	3.42E-01	4.78E+00
112	486683.18	3855893.15	16.2658	1.22365	1.3696	4.57316	2.66E+00	9.49E-01	2.66E-01	3.37E-01	4.21E+00	2.62E+00	4.11E-05	2.91E-03	9.84E-03	2.63E+00	3.18E+00	9.49E-01	2.66E-01	3.37E-01	4.73E+00
113	486733.18	3855893.15	15.8657	1.22973	1.3669	4.45903	2.59E+00	9.54E-01	2.65E-01	3.28E-01	4.14E+00	2.56E+00	4.13E-05	2.91E-03	9.60E-03	2.57E+00	3.10E+00	9.54E-01	2.65E-01	3.28E-01	4.65E+00
114	486783.18	3855893.15	15.9315	1.24521	1.3762	4.33016	2.61E+00	9.66E-01	2.67E-01	3.19E-01	4.16E+00	2.57E+00	4.18E-05	2.93E-03	9.32E-03	2.58E+00	3.12E+00	9.66E-01	2.67E-01	3.19E-01	4.67E+00
115	486533.18	3855943.15	18.242	1.30472	1.1826	4.8052	2.98E+00	1.01E+00	2.29E-01	3.54E-01	4.58E+00	2.94E+00	4.38E-05	2.51E-03	1.03E-02	2.95E+00	3.57E+00	1.01E+00	2.29E-01	3.54E-01	5.16E+00
116	486583.18	3855943.15	18.2908	1.32564	1.1798	4.69456	2.99E+00	1.03E+00	2.29E-01	3.46E-01	4.59E+00	2.95E+00	4.45E-05	2.51E-03	1.01E-02	2.96E+00	3.58E+00	1.03E+00	2.29E-01	3.46E-01	5.18E+00
117	486633.18	3855943.15	17.7491	1.31338	1.2726	4.5906	2.90E+00	1.02E+00	2.47E-01	3.38E-01	4.51E+00	2.86E+00	4.41E-05	2.71E-03	9.88E-03	2.87E+00	3.47E+00	1.02E+00	2.47E-01	3.38E-01	5.08E+00
118	486683.18	3855943.15	17.7164	1.30653	1.3938	4.46695	2.90E+00	1.01E+00	2.70E-01	3.29E-01	4.51E+00	2.85E+00	4.39E-05	2.96E-03	9.62E-03	2.87E+00	3.47E+00	1.01E+00	2.70E-01	3.29E-01	5.08E+00

119	486733.18	3855943.15	17.3575	1.28867	1.4054	4.4268	2.84E+00	1.00E+00	2.73E-01	3.26E-01	4.44E+00	2.80E+00	4.33E-05	2.99E-03	9.53E-03	2.81E+00	3.40E+00	1.00E+00	2.73E-01	3.26E-01	4.99E+00
120	486783.18	3855943.15	17.1626	1.29346	1.4042	4.3722	2.81E+00	1.00E+00	2.72E-01	3.22E-01	4.40E+00	2.77E+00	4.34E-05	2.99E-03	9.41E-03	2.78E+00	3.36E+00	1.00E+00	2.72E-01	3.22E-01	4.96E+00
121	486533.18	3855993.15	20.2405	1.35803	1.2086	4.74328	3.31E+00	1.05E+00	2.34E-01	3.49E-01	4.95E+00	3.26E+00	4.56E-05	2.57E-03	1.02E-02	3.27E+00	3.96E+00	1.05E+00	2.34E-01	3.49E-01	5.60E+00
122	486583.18	3855993.15	19.7085	1.36037	1.2109	4.5847	3.22E+00	1.06E+00	2.35E-01	3.38E-01	4.85E+00	3.18E+00	4.57E-05	2.57E-03	9.87E-03	3.19E+00	3.86E+00	1.06E+00	2.35E-01	3.38E-01	5.48E+00
123	486633.18	3855993.15	19.2986	1.36619	1.2157	4.48977	3.16E+00	1.06E+00	2.36E-01	3.31E-01	4.78E+00	3.11E+00	4.59E-05	2.58E-03	9.67E-03	3.12E+00	3.78E+00	1.06E+00	2.36E-01	3.31E-01	5.40E+00
124	486683.18	3855993.15	19.1176	1.3589	1.3573	4.43794	3.13E+00	1.05E+00	2.63E-01	3.27E-01	4.77E+00	3.08E+00	4.56E-05	2.89E-03	9.55E-03	3.09E+00	3.74E+00	1.05E+00	2.63E-01	3.27E-01	5.39E+00
125	486733.18	3855993.15	18.7135	1.34682	1.4578	4.40846	3.06E+00	1.04E+00	2.83E-01	3.25E-01	4.71E+00	3.02E+00	4.52E-05	3.10E-03	9.49E-03	3.03E+00	3.66E+00	1.04E+00	2.83E-01	3.25E-01	5.31E+00
126	486783.18	3855993.15	18.3547	1.32412	1.446	4.32924	3.00E+00	1.03E+00	2.80E-01	3.19E-01	4.63E+00	2.96E+00	4.45E-05	3.07E-03	9.32E-03	2.97E+00	3.59E+00	1.03E+00	2.80E-01	3.19E-01	5.22E+00
127	486533.18	3856043.15	21.8554	1.39099	1.2342	4.83391	3.57E+00	1.08E+00	2.39E-01	3.56E-01	5.25E+00	3.52E+00	4.67E-05	2.62E-03	1.04E-02	3.53E+00	4.28E+00	1.08E+00	2.39E-01	3.56E-01	5.95E+00
128	486583.18	3856043.15	21.6126	1.4096	1.2355	4.78578	3.53E+00	1.09E+00	2.40E-01	3.52E-01	5.22E+00	3.48E+00	4.74E-05	2.63E-03	1.03E-02	3.50E+00	4.23E+00	1.09E+00	2.40E-01	3.52E-01	5.91E+00
129	486633.18	3856043.15	20.9144	1.39952	1.2449	4.69571	3.42E+00	1.09E+00	2.41E-01	3.46E-01	5.09E+00	3.37E+00	4.70E-05	2.65E-03	1.01E-02	3.38E+00	4.09E+00	1.09E+00	2.41E-01	3.46E-01	5.77E+00
130	486683.18	3856043.15	20.5741	1.40528	1.2978	4.6554	3.37E+00	1.09E+00	2.52E-01	3.43E-01	5.05E+00	3.32E+00	4.72E-05	2.76E-03	1.00E-02	3.33E+00	4.03E+00	1.09E+00	2.52E-01	3.43E-01	5.71E+00
131	486733.18	3856043.15	20.0699	1.3872	1.4513	4.56323	3.28E+00	1.08E+00	2.81E-01	3.36E-01	4.98E+00	3.23E+00	4.66E-05	3.09E-03	9.82E-03	3.25E+00	3.93E+00	1.08E+00	2.81E-01	3.36E-01	5.62E+00
132	486783.18	3856043.15	19.8929	1.37874	1.5011	4.47222	3.25E+00	1.07E+00	2.91E-01	3.29E-01	4.94E+00	3.21E+00	4.63E-05	3.19E-03	9.63E-03	3.22E+00	3.89E+00	1.07E+00	2.91E-01	3.29E-01	5.58E+00
133	486533.18	3856093.15	23.6414	1.45091	1.2647	4.73004	3.87E+00	1.13E+00	2.45E-01	3.48E-01	5.59E+00	3.81E+00	4.87E-05	2.69E-03	1.02E-02	3.82E+00	4.63E+00	1.13E+00	2.45E-01	3.48E-01	6.35E+00
134	486583.18	3856093.15	23.0965	1.44819	1.2627	4.67417	3.78E+00	1.12E+00	2.45E-01	3.44E-01	5.49E+00	3.72E+00	4.86E-05	2.68E-03	1.01E-02	3.73E+00	4.52E+00	1.12E+00	2.45E-01	3.44E-01	6.23E+00
135	486633.18	3856093.15	22.5621	1.44816	1.2716	4.57403	3.69E+00	1.12E+00	2.47E-01	3.37E-01	5.40E+00	3.64E+00	4.86E-05	2.70E-03	9.85E-03	3.65E+00	4.41E+00	1.12E+00	2.47E-01	3.37E-01	6.12E+00
136	486683.18	3856093.15	22.1664	1.45001	1.2865	4.45686	3.63E+00	1.12E+00	2.49E-01	3.28E-01	5.33E+00	3.57E+00	4.87E-05	2.74E-03	9.59E-03	3.58E+00	4.34E+00	1.12E+00	2.49E-01	3.28E-01	6.04E+00
137	486733.18	3856093.15	21.5779	1.43566	1.4108	4.38064	3.53E+00	1.11E+00	2.74E-01	3.23E-01	5.24E+00	3.48E+00	4.82E-05	3.00E-03	9.43E-03	3.49E+00	4.22E+00	1.11E+00	2.74E-01	3.23E-01	5.93E+00
138	486783.18	3856093.15	21.2167	1.41534	1.5439	4.29877	3.47E+00	1.10E+00	2.99E-01	3.16E-01	5.18E+00	3.42E+00	4.75E-05	3.28E-03	9.25E-03	3.43E+00	4.15E+00	1.10E+00	2.99E-01	3.16E-01	5.87E+00
139	486533.18	3856143.15	25.2542	1.48496	1.2997	4.82763	4.13E+00	1.15E+00	2.52E-01	3.55E-01	5.89E+00	4.07E+00	4.99E-05	2.76E-03	1.04E-02	4.08E+00	4.94E+00	1.15E+00	2.52E-01	3.55E-01	6.70E+00
140	486583.18	3856143.15	24.6249	1.47473	1.3003	4.76916	4.03E+00	1.14E+00	2.52E-01	3.51E-01	5.77E+00	3.97E+00	4.95E-05	2.76E-03	1.03E-02	3.98E+00	4.82E+00	1.14E+00	2.52E-01	3.51E-01	6.57E+00
141	486633.18	3856143.15	24.1195	1.48306	1.2943	4.65161	3.94E+00	1.15E+00	2.51E-01	3.42E-01	5.69E+00	3.89E+00	4.98E-05	2.75E-03	1.00E-02	3.90E+00	4.72E+00	1.15E+00	2.51E-01	3.42E-01	6.46E+00
142	486683.18	3856143.15	23.5847	1.49549	1.3111	4.56989	3.86E+00	1.16E+00	2.54E-01	3.36E-01	5.61E+00	3.80E+00	5.02E-05	2.79E-03	9.84E-03	3.81E+00	4.62E+00	1.16E+00	2.54E-01	3.36E-01	6.37E+00
143	486733.18	3856143.15	23.1187	1.48425	1.3417	4.49233	3.78E+00	1.15E+00	2.60E-01	3.31E-01	5.52E+00	3.73E+00	4.99E-05	2.85E-03	9.67E-03	3.74E+00	4.52E+00	1.15E+00	2.60E-01	3.31E-01	6.27E+00
144	486783.18	3856143.15	22.8027	1.48378	1.5152	4.37874	3.73E+00	1.15E+00	2.94E-01	3.22E-01	5.50E+00	3.67E+00	4.98E-05	3.22E-03	9.43E-03	3.69E+00	4.46E+00	1.15E+00	2.94E-01	3.22E-01	6.23E+00
145	486533.18	3856193.15	27.1553	1.53109	1.2773	4.69841	4.44E+00	1.19E+00	2.48E-01	3.46E-01	6.22E+00	4.38E+00	5.14E-05	2.72E-03	1.01E-02	4.39E+00	5.31E+00	1.19E+00	2.48E-01	3.46E-01	7.10E+00
146	486583.18	3856193.15	26.2446	1.52301	1.3473	4.67027	4.29E+00	1.18E+00	2.61E-01	3.44E-01	6.08E+00	4.23E+00	5.12E-05	2.86E-03	1.01E-02	4.24E+00	5.14E+00	1.18E+00	2.61E-01	3.44E-01	6.92E+00
147	486633.18	3856193.15	25.58	1.53172	1.3566	4.61191	4.18E+00	1.19E+00	2.63E-01	3.40E-01	5.97E+00	4.12E+00	5.15E-05	2.88E-03	9.93E-03	4.13E+00	5.01E+00	1.19E+00	2.63E-01	3.40E-01	6.80E+00
148	486683.18	3856193.15	25.2815	1.55137	1.3363	4.45007	4.14E+00	1.20E+00	2.59E-01	3.28E-01	5.93E+00	4.07E+00	5.21E-05	2.84E-03	9.58E-03	4.09E+00	4.95E+00	1.20E+00	2.59E-01	3.28E-01	6.74E+00
149	486733.18	3856193.15	24.6363	1.53688	1.3578	4.34409	4.03E+00	1.19E+00	2.63E-01	3.20E-01	5.80E+00	3.97E+00	5.16E-05	2.89E-03	9.35E-03	3.98E+00	4.82E+00	1.19E+00	2.63E-01	3.20E-01	6.60E+00
150	486783.18	3856193.15	24.2973	1.53628	1.4413	4.22774	3.97E+00	1.19E+00	2.79E-01	3.11E-01	5.76E+00	3.92E+00	5.16E-05	3.06E-03	9.10E-03	3.93E+00	4.75E+00	1.19E+00	2.79E-01	3.11E-01	6.54E+00
151	486533.18	3856243.15	28.7931	1.58182	1.3417	4.73433	4.71E+00	1.23E+00	2.60E-01	3.49E-01	6.55E+00	4.64E+00	5.31E-05	2.85E-03	1.02E-02	4.65E+00	5.63E+00	1.23E+00	2.60E-01	3.49E-01	7.47E+00
152	486583.18	3856243.15	27.9988	1.57103	1.3333	4.66124	4.58E+00	1.22E+00	2.59E-01	3.43E-01	6.40E+00	4.51E+00	5.28E-05	2.83E-03	1.00E-02	4.52E+00	5.48E+00	1.22E+00	2.59E-01	3.43E-01	7.30E+00
153	486633.18	3856243.15	27.3631	1.57905	1.3854	4.60505	4.48E+00	1.22E+00	2.69E-01	3.39E-01	6.31E+00	4.41E+00	5.30E-05	2.95E-03	9.91E-03	4.42E+00	5.35E+00	1.22E+00	2.69E-01	3.39E-01	7.19E+00
154	486683.18	3856243.15	26.7904	1.58671	1.4015	4.329	4.38E+00	1.23E+00	2.72E-01	3.19E-01	6.20E+00	4.32E+00	5.33E-05	2.98E-03	9.32E-03	4.33E+00	5.24E+00	1.23E+00	2.72E-01	3.19E-01	7.06E+00
155	486733.18	3856243.15	26.2858	1.59136	1.3809	4.18547	4.30E+00	1.23E+00	2.68E-01	3.08E-01	6.11E+00	4.24E+00	5.35E-05	2.94E-03	9.01E-03	4.25E+00	5.14E+00	1.23E+00	2.68E-01	3.08E-01	6.95E+00
156	486783.18	3856243.15	25.6638	1.55918	1.4104	4.10459	4.20E+00	1.21E+00	2.73E-01	3.02E-01	5.98E+00	4.14E+00	5.24E-05	3.00E-03	8.84E-03	4.15E+00	5.02E+00	1.21E+00	2.73E-01	3.02E-01	6.81E+00
157	486533.18	3856293.15	30.4284	1.62101	1.4163	4.53822	4.98E+00	1.26E+00	2.75E-01	3.34E-01	6.84E+00	4.90E+00	5.45E-05	3.01E-03	9.77E-03	4.92E+00	5.95E+00	1.26E+00	2.75E-01	3.34E-01	7.82E+00
158	486583.18	3856293.15	29.6998	1.61288	1.3829	4.4381	4.86E+00	1.25E+00	2.68E-01	3.27E-01	6.70E+00	4.79E+00	5.42E-05	2.94E-03	9.55E-03	4.80E+00	5.81E+00	1.25E+00	2.68E-01	3.27E-01	7.66E+00
159	486633.18	3856293.15	28.9509	1.62306	1.3809	4.33909	4.74E+00	1.26E+00	2.68E-01	3.19E-01	6.58E+00	4.66E+00	5.45E-05	2.94E-03	9.34E-03	4.68E+00	5.67E+00	1.26E+00	2.68E-01	3.19E-01	7.51E+00
160	486683.18	3856293.15	28.4065	1.62996	1.4267	4.16131	4.65E+00	1.26E+00	2.77E-01	3.06E-01	6.49E+00	4.58E+00	5.48E-05	3.03E-03	8.96E-03	4.59E+00	5.56E+00	1.26E+00	2.77E-01	3.06E-01	7.41E+00
161	486733.18	3856293.15	27.9719	1.63965	1.4475	4.10258	4.58E+00	1.27E+00	2.81E-01	3.02E-01	6.43E+00	4.51E+00	5.51E-05	3.08E-03	8.83E-03	4.52E+00	5.47E+00	1.27E+00	2.81E-01	3.02E-01	7.33E+00
162	486783.18	3856293.15	27.2065	1.61247	1.4293	4.05803	4.45E+00	1.25E+00	2.77E-01	2.99E-01	6.28E+00	4.38E+00	5.42E-05	3.04E-03	8.74E-03	4.40E+00	5.32E+00	1.25E+00	2.77E-01	2.99E-01	7.15E+00
163	486783.18	3856343.15	29.0005	1.69252	1.4967	4.02897	4.74E+00	1.31E+00	2.90E-01	2.97E-01	6.64E+00	4.67E+00	5.69E-05	3.18E-03	8.67E-03	4.68E+00	5.67E+00	1.31E+00	2.90E-01	2.97E-01	7.57E+00
164	486833.18	3856343.15	28.3759	1.70069	1.4899	3.96595	4.64E+00	1.32E+00	2.89E-01	2.92E-01	6.54E+00	4.57E+00	5.71E-05	3.17E-03	8.54E-03	4.58E+00	5.55E+00	1.32E+00	2.89E-01	2.92E-01	7.45E+00
165	486883.18	3856343.15	27.7352	1.72261	1.5886	3.90508	4.54E+00	1.34E+00	3.08E-01	2.88E-01	6.47E+00	4.47E+00	5.79E-05	3.38E-03	8.41E-03	4.48E+00	5.43E+00	1.34E+00	3.08E-01	2.88E-01	7.36E+00
166	486783.18	3856393.15	30.2334	1.74033	1.6026	3.86399	4.94E+00	1.35E+00	3.11E-01	2.84E-01	6.89E+00	4.87E+00	5.85E-05	3.41E-03	8.32E-03	4.88E+00	5.92E+00	1.35E+00	3.11E-01	2.84E-01	7.86E+00
167	486833.18	3856393.15	29.5985	1.74891	1.5489	3.80411	4.84E+00	1.36E+00	3.00E-01	2.80E-01	6.78E+00	4.77E+00	5.87E-05	3.29E-03	8.19E-03	4.78E+00	5.79E+00	1.36E+00	3.00E-01	2.80E-01	7.73E+00
168	486883.18	3856393.15	28.9383	1.7632	1.5649	3.7524	4.73E+00	1.37E+00	3.03E-01	2.76E-01	6.68E+00	4.66E+00	5.92E-05	3.33E-03	8.08E-03	4.67E+00	5.66E+00	1.37E+00	3.03E-01	2.76E-01	7.61E+00
169	487208.74	3856886.11	36.0726	2.76881	2.6195	3.15063	5.90E+00	2.15E+00	5.08E-01	2.32E-01	8.79E+00	5.81E+00	9.30E-05	5.57E-03	6.78E-03	5.82E+00	7.06E+00	2.15E+00	5.08E-01	2.32E-01	9.95E+00
170	487258.74	3856886.11	34.8408	2.82904	2.9112	3.14825	5.70E+00	2.19E+00	5.65E-01	2.32E-01	8.69E+00	5.61E+00	9.50E-05	6.19E-03	6.78E-03	5.63E+00	6.82E+00	2.19E+00	5.65E-01	2.32E-01	9.81E+00
171	487308.74	3856886.11	33.6717	2.94453	3.0933	3.13944	5.51E+00	2.28E+00	6.00E-01	2.31E-01	8.62E+00	5.43E+00	9.89E-05	6.58E-03	6.76E-03	5.44E+00	6.59E+00	2.28E+00	6.00E-01	2.31E-01	9.70E+00
172	487358.74	3856886.11	32.6193	3.00448	3.0867	3.07316	5.34E+00	2.33E+00	5.99E-01	2.26E-01	8.49E+00	5.26E+00	1.01E-04	6.56E-03	6.62E-03	5.27E+00	6.38E+00	2.33E+00	5.99E-01	2.26E-01	9.54E+00
173	487208.74	3856936.11	37.4933	2.82209	2.8528	3.12006	6.13E+00	2.19E+00	5.53E-01	2.30E-01	9.10E+00	6.04E+00	9.48E-05	6.07E-03	6.72E-03	6.05E+00	7.34E+00	2.19E+00	5.53E-01	2.30E-01	1.03E+01
174	487258.74	3856936.11	36.1007	2.91683	2.942	3.12556	5.90E+00	2.26E+00	5.70E-01	2.30E-01	8.97E+00	5.82E+00	9.80E-05	6.26E-03	6.73E-03	5.83E+00	7.06E+00	2.26E+00	5.70E-01	2.30E-01	1.01E+01
175	487308.74	3856936.11	34.6951	3.03943	3.1281	3.10377	5.67E+00	2.36E+00	6.07E-01	2.29E-01	8.87E+00	5.59E+00	1.02E-04	6.65E-03	6.68E-03	5.60E+00	6.79E+00	2.36E+00	6.07E-01	2.29E-01	9.98E+00
176	487358.74	3856936.11	33.524	3.11145	3.342	3.07981	5.48E+00	2.41E+00	6.48E-01	2.27E-01	8.77E+00	5.40E+00	1.05E-04	7.11E-03	6.63E-03	5.42E+00	6.56E+00	2.41E+00	6.48E-01	2.27E-01	9.85E+00
177	487208.74	3856986.11	38.8568	2.89403	3.0234	3.13849	6.36E+00	2.24E+00	5.86E-01	2.31E-01	9.42E+00	6.26E+00	9.72E-05	6.43E-03	6.76E-03	6.27E+00	7.60E+00	2.25E+00	5.86E-01	2.31E-01	1.07E+01
178	487258.74	3856986.11	37.0258	3.03966	3.0761	3.11809	6.06E+00	2.36E+00	5.96E-01	2.30E-01	9.24E+00	5.97E+00	1.02E-04	6.54E-03	6.71E-03	5.98E+00	7.25E+00	2.36E+00	5.96E-01	2.30E-01	1.04E+01
179	487308.74	3856986.11	35.739	3.11081	3.2197	3.08675	5.85E+00	2.41E+00	6.24E-01	2.27E-01	9.11E+00	5.76E+00	1.04E-04	6.85E-03	6.65E-03	5.77E+00	6.99E+00	2.41E+00	6.24E-01	2.27E-01	1.03E+01

180	487358.74	3856986.11	34.4144	3.19924	3.5042	3.04775	5.63E+00	2.48E+00	6.79E-01	2.24E-01	9.01E+00	5.55E+00	1.07E-04	7.45E-03	6.56E-03	5.56E+00	6.73E+00	2.48E+00	6.79E-01	2.24E-01	1.01E+01
181	487208.74	3857036.11	40.4415	2.97802	3.2065	3.18339	6.61E+00	2.31E+00	6.22E-01	2.34E-01	9.78E+00	6.52E+00	1.00E-04	6.82E-03	6.85E-03	6.53E+00	7.91E+00	2.31E+00	6.22E-01	2.34E-01	1.11E+01
182	487258.74	3857036.11	38	3.11113	3.2826	3.17652	6.22E+00	2.41E+00	6.37E-01	2.34E-01	9.50E+00	6.12E+00	1.05E-04	6.98E-03	6.84E-03	6.14E+00	7.44E+00	2.41E+00	6.37E-01	2.34E-01	1.07E+01
183	487308.74	3857036.11	36.2304	3.21211	3.4074	3.13573	5.93E+00	2.49E+00	6.61E-01	2.31E-01	9.31E+00	5.84E+00	1.08E-04	7.24E-03	6.75E-03	5.85E+00	7.09E+00	2.49E+00	6.61E-01	2.31E-01	1.05E+01
184	487358.74	3857036.11	34.8783	3.31153	3.4732	3.1057	5.70E+00	2.57E+00	6.73E-01	2.29E-01	9.18E+00	5.62E+00	1.11E-04	7.38E-03	6.69E-03	5.63E+00	6.82E+00	2.57E+00	6.73E-01	2.29E-01	1.03E+01
185	487427.14	3856878.23	31.1293	3.10445	3.1985	3.07534	5.09E+00	2.41E+00	6.20E-01	2.26E-01	8.35E+00	5.02E+00	1.04E-04	6.80E-03	6.62E-03	5.03E+00	6.09E+00	2.41E+00	6.20E-01	2.26E-01	9.35E+00
186	487477.14	3856878.23	30.2748	3.16429	3.3565	3.0479	4.95E+00	2.45E+00	6.51E-01	2.24E-01	8.28E+00	4.88E+00	1.06E-04	7.14E-03	6.56E-03	4.89E+00	5.92E+00	2.45E+00	6.51E-01	2.24E-01	9.25E+00
187	487527.14	3856878.23	29.3373	3.18418	3.5348	2.99529	4.80E+00	2.47E+00	6.85E-01	2.21E-01	8.17E+00	4.73E+00	1.07E-04	7.52E-03	6.45E-03	4.74E+00	5.74E+00	2.47E+00	6.85E-01	2.21E-01	9.12E+00
188	487427.14	3856928.23	31.9582	3.21055	3.3672	3.06535	5.23E+00	2.49E+00	6.53E-01	2.26E-01	8.60E+00	5.15E+00	1.08E-04	7.16E-03	6.60E-03	5.16E+00	6.25E+00	2.49E+00	6.53E-01	2.26E-01	9.62E+00
189	487477.14	3856928.23	31.0666	3.2612	3.4789	3.04575	5.08E+00	2.53E+00	6.75E-01	2.24E-01	8.51E+00	5.01E+00	1.10E-04	7.40E-03	6.56E-03	5.02E+00	6.08E+00	2.53E+00	6.75E-01	2.24E-01	9.51E+00
190	487527.14	3856928.23	30.1409	3.32707	3.7667	3.02604	4.93E+00	2.58E+00	7.30E-01	2.23E-01	8.46E+00	4.86E+00	1.12E-04	8.01E-03	6.51E-03	4.87E+00	5.90E+00	2.58E+00	7.30E-01	2.23E-01	9.43E+00
191	487577.14	3856928.23	29.248	3.36279	3.7008	3.00322	4.78E+00	2.61E+00	7.18E-01	2.21E-01	8.33E+00	4.71E+00	1.13E-04	7.87E-03	6.47E-03	4.73E+00	5.72E+00	2.61E+00	7.18E-01	2.21E-01	9.27E+00
192	487627.14	3856928.23	28.4729	3.38219	3.3734	3.00084	4.66E+00	2.62E+00	6.54E-01	2.21E-01	8.16E+00	4.59E+00	1.14E-04	7.17E-03	6.46E-03	4.60E+00	5.57E+00	2.62E+00	6.54E-01	2.21E-01	9.07E+00
193	487677.14	3856928.23	27.6358	3.47196	3.3647	2.96055	4.52E+00	2.69E+00	6.52E-01	2.18E-01	8.08E+00	4.45E+00	1.17E-04	7.15E-03	6.37E-03	4.47E+00	5.41E+00	2.69E+00	6.52E-01	2.18E-01	8.97E+00
194	487727.14	3856928.23	26.8845	3.56615	3.8858	2.94577	4.40E+00	2.77E+00	7.53E-01	2.17E-01	8.13E+00	4.33E+00	1.20E-04	8.26E-03	6.34E-03	4.35E+00	5.26E+00	2.77E+00	7.53E-01	2.17E-01	9.00E+00
195	487777.14	3856928.23	26.2722	3.65276	4.7433	2.94454	4.30E+00	2.83E+00	9.20E-01	2.17E-01	8.27E+00	4.23E+00	1.23E-04	1.01E-02	6.34E-03	4.25E+00	5.14E+00	2.83E+00	9.20E-01	2.17E-01	9.11E+00
196	487427.14	3856978.23	32.7191	3.2975	3.4227	3.00493	5.35E+00	2.56E+00	6.64E-01	2.21E-01	8.79E+00	5.27E+00	1.11E-04	7.28E-03	6.47E-03	5.29E+00	6.40E+00	2.56E+00	6.64E-01	2.21E-01	9.85E+00
197	487477.14	3856978.23	31.6748	3.37589	3.7091	3.04037	5.18E+00	2.62E+00	7.19E-01	2.24E-01	8.74E+00	5.10E+00	1.13E-04	7.89E-03	6.55E-03	5.12E+00	6.20E+00	2.62E+00	7.19E-01	2.24E-01	9.76E+00
198	487527.14	3856978.23	30.686	3.44643	3.9526	3.03913	5.02E+00	2.67E+00	7.66E-01	2.24E-01	8.68E+00	4.94E+00	1.16E-04	8.40E-03	6.54E-03	4.96E+00	6.00E+00	2.67E+00	7.66E-01	2.24E-01	9.67E+00
199	487577.14	3856978.23	29.766	3.50887	4.0588	2.98538	4.87E+00	2.72E+00	7.87E-01	2.20E-01	8.60E+00	4.80E+00	1.18E-04	8.63E-03	6.43E-03	4.81E+00	5.82E+00	2.72E+00	7.87E-01	2.20E-01	9.55E+00
200	487627.14	3856978.23	28.9522	3.54452	3.8542	3.01632	4.74E+00	2.75E+00	7.47E-01	2.22E-01	8.45E+00	4.67E+00	1.19E-04	8.19E-03	6.49E-03	4.68E+00	5.67E+00	2.75E+00	7.47E-01	2.22E-01	9.38E+00
201	487677.14	3856978.23	28.1496	3.62514	3.4761	3.0243	4.60E+00	2.81E+00	6.74E-01	2.23E-01	8.31E+00	4.54E+00	1.22E-04	7.39E-03	6.51E-03	4.55E+00	5.51E+00	2.81E+00	6.74E-01	2.23E-01	9.22E+00
202	487727.14	3856978.23	27.5641	3.61247	4.2556	3.0252	4.51E+00	2.80E+00	8.25E-01	2.23E-01	8.36E+00	4.44E+00	1.21E-04	9.05E-03	6.51E-03	4.46E+00	5.39E+00	2.80E+00	8.25E-01	2.23E-01	9.24E+00
203	487777.14	3856978.23	26.7705	3.79602	4.7701	2.96731	4.38E+00	2.94E+00	9.25E-01	2.18E-01	8.47E+00	4.31E+00	1.28E-04	1.01E-02	6.39E-03	4.33E+00	5.24E+00	2.94E+00	9.25E-01	2.18E-01	9.33E+00
204	487427.14	3857028.23	33.1495	3.42043	3.8002	3.02417	5.42E+00	2.65E+00	7.37E-01	2.23E-01	9.03E+00	5.34E+00	1.15E-04	8.08E-03	6.51E-03	5.36E+00	6.49E+00	2.65E+00	7.37E-01	2.23E-01	1.01E+01
205	487477.14	3857028.23	32.1135	3.47854	3.7911	2.97257	5.25E+00	2.70E+00	7.35E-01	2.19E-01	8.90E+00	5.17E+00	1.17E-04	8.06E-03	6.40E-03	5.19E+00	6.28E+00	2.70E+00	7.35E-01	2.19E-01	9.94E+00
206	487527.14	3857028.23	31.1852	3.54035	4.1142	2.99678	5.10E+00	2.75E+00	7.98E-01	2.21E-01	8.87E+00	5.02E+00	1.19E-04	8.75E-03	6.45E-03	5.04E+00	6.10E+00	2.75E+00	7.98E-01	2.21E-01	9.87E+00
207	487577.14	3857028.23	30.299	3.6017	4.3843	2.98052	4.96E+00	2.79E+00	8.50E-01	2.19E-01	8.82E+00	4.88E+00	1.21E-04	9.32E-03	6.42E-03	4.90E+00	5.93E+00	2.79E+00	8.50E-01	2.19E-01	9.79E+00
208	487627.14	3857028.23	29.5454	3.62466	4.308	3.01718	4.83E+00	2.81E+00	8.35E-01	2.22E-01	8.70E+00	4.76E+00	1.22E-04	9.16E-03	6.50E-03	4.78E+00	5.78E+00	2.81E+00	8.35E-01	2.22E-01	9.65E+00
209	487677.14	3857028.23	28.7592	3.69277	3.7865	3.01044	4.70E+00	2.86E+00	7.34E-01	2.22E-01	8.52E+00	4.63E+00	1.24E-04	8.05E-03	6.48E-03	4.65E+00	5.63E+00	2.86E+00	7.34E-01	2.22E-01	9.45E+00
210	487727.14	3857028.23	27.9774	3.79158	4.2238	3.00536	4.58E+00	2.94E+00	8.19E-01	2.21E-01	8.56E+00	4.51E+00	1.27E-04	8.98E-03	6.47E-03	4.52E+00	5.47E+00	2.94E+00	8.19E-01	2.21E-01	9.46E+00
211	487777.14	3857028.23	27.285	3.85724	4.8831	3.00672	4.46E+00	2.99E+00	9.47E-01	2.21E-01	8.62E+00	4.40E+00	1.30E-04	1.04E-02	6.47E-03	4.41E+00	5.34E+00	2.99E+00	9.47E-01	2.21E-01	9.50E+00
212	487427.14	3857078.23	33.9688	3.48658	4.0515	3.05084	5.56E+00	2.70E+00	7.86E-01	2.25E-01	9.27E+00	5.47E+00	1.17E-04	8.61E-03	6.57E-03	5.49E+00	6.65E+00	2.70E+00	7.86E-01	2.25E-01	1.04E+01
213	487477.14	3857078.23	32.9348	3.52742	3.9634	3.03573	5.39E+00	2.74E+00	7.69E-01	2.24E-01	9.12E+00	5.31E+00	1.18E-04	8.43E-03	6.54E-03	5.32E+00	6.44E+00	2.74E+00	7.69E-01	2.24E-01	1.02E+01
214	487527.14	3857078.23	31.9253	3.59947	4.3653	3.00521	5.22E+00	2.79E+00	8.46E-01	2.21E-01	9.08E+00	5.14E+00	1.21E-04	9.28E-03	6.47E-03	5.16E+00	6.25E+00	2.79E+00	8.46E-01	2.21E-01	1.01E+01
215	487577.14	3857078.23	31.0065	3.65443	4.6492	2.93998	5.07E+00	2.83E+00	9.02E-01	2.16E-01	9.02E+00	5.00E+00	1.23E-04	9.89E-03	6.33E-03	5.01E+00	6.07E+00	2.83E+00	9.02E-01	2.16E-01	1.00E+01
216	487627.14	3857078.23	30.169	3.73601	4.794	2.92414	4.93E+00	2.90E+00	9.30E-01	2.15E-01	8.98E+00	4.86E+00	1.25E-04	1.02E-02	6.29E-03	4.88E+00	5.90E+00	2.90E+00	9.30E-01	2.15E-01	9.95E+00
217	487677.14	3857078.23	29.3291	3.82652	4.2548	2.92351	4.80E+00	2.97E+00	8.25E-01	2.15E-01	8.81E+00	4.73E+00	1.29E-04	9.05E-03	6.29E-03	4.74E+00	5.74E+00	2.97E+00	8.25E-01	2.15E-01	9.75E+00
218	487727.14	3857078.23	28.5298	3.87973	4.2675	2.9391	4.67E+00	3.01E+00	8.28E-01	2.16E-01	8.72E+00	4.60E+00	1.30E-04	9.07E-03	6.33E-03	4.61E+00	5.58E+00	3.01E+00	8.28E-01	2.16E-01	9.64E+00
219	487777.14	3857078.23	27.7814	3.91691	5.0005	2.96427	4.54E+00	3.04E+00	9.70E-01	2.18E-01	8.77E+00	4.48E+00	1.32E-04	1.06E-02	6.38E-03	4.49E+00	5.44E+00	3.04E+00	9.70E-01	2.18E-01	9.66E+00
220	487427.14	3857128.23	34.5043	3.49061	4.0688	2.90127	5.64E+00	2.71E+00	7.89E-01	2.14E-01	9.35E+00	5.56E+00	1.17E-04	8.65E-03	6.25E-03	5.57E+00	6.75E+00	2.71E+00	7.89E-01	2.14E-01	1.05E+01
221	487477.14	3857128.23	33.565	3.57584	4.4832	2.91914	5.49E+00	2.77E+00	8.69E-01	2.15E-01	9.35E+00	5.41E+00	1.20E-04	9.53E-03	6.28E-03	5.42E+00	6.57E+00	2.77E+00	8.69E-01	2.15E-01	1.04E+01
222	487527.14	3857128.23	32.623	3.62605	4.3221	2.93437	5.34E+00	2.81E+00	8.38E-01	2.16E-01	9.20E+00	5.26E+00	1.22E-04	9.19E-03	6.32E-03	5.27E+00	6.38E+00	2.81E+00	8.38E-01	2.16E-01	1.03E+01
223	487577.14	3857128.23	31.6265	3.70593	4.9131	2.94071	5.17E+00	2.87E+00	9.53E-01	2.17E-01	9.22E+00	5.10E+00	1.24E-04	1.04E-02	6.33E-03	5.11E+00	6.19E+00	2.87E+00	9.53E-01	2.17E-01	1.02E+01
224	487627.14	3857128.23	30.7333	3.80458	5.2377	2.9842	5.03E+00	2.95E+00	1.02E+00	2.20E-01	9.21E+00	4.95E+00	1.28E-04	1.11E-02	6.42E-03	4.97E+00	6.01E+00	2.95E+00	1.02E+00	2.20E-01	1.02E+01
225	487677.14	3857128.23	29.9792	3.88719	4.8468	2.97899	4.90E+00	3.02E+00	9.40E-01	2.19E-01	9.08E+00	4.83E+00	1.31E-04	1.03E-02	6.41E-03	4.85E+00	5.87E+00	3.02E+00	9.40E-01	2.19E-01	1.00E+01
226	487727.14	3857128.23	29.1801	3.94481	4.6396	2.96251	4.77E+00	3.06E+00	9.00E-01	2.18E-01	8.95E+00	4.70E+00	1.33E-04	9.86E-03	6.38E-03	4.72E+00	5.71E+00	3.06E+00	9.00E-01	2.18E-01	9.89E+00
227	487777.14	3857128.23	28.4565	3.99699	5.3243	2.97279	4.65E+00	3.10E+00	1.03E+00	2.19E-01	9.01E+00	4.59E+00	1.34E-04	1.13E-02	6.40E-03	4.60E+00	5.57E+00	3.10E+00	1.03E+00	2.19E-01	9.92E+00
228	488049.44	3856539.39	18.6687	2.80916	3.5523	2.90423	3.05E+00	2.18E+00	6.89E-01	2.14E-01	6.14E+00	3.01E+00	9.44E-05	7.55E-03	6.25E-03	3.02E+00	3.65E+00	2.18E+00	6.89E-01	2.14E-01	6.73E+00
229	488099.44	3856539.39	18.2779	2.7409	3.6557	2.87006	2.99E+00	2.13E+00	7.09E-01	2.11E-01	6.04E+00	2.95E+00	9.21E-05	7.77E-03	6.18E-03	2.96E+00	3.58E+00	2.13E+00	7.09E-01	2.11E-01	6.62E+00
230	488149.44	3856539.39	17.9211	2.68159	3.3807	2.84351	2.93E+00	2.08E+00	6.56E-01	2.09E-01	5.88E+00	2.89E+00	9.01E-05	7.19E-03	6.12E-03	2.90E+00	3.51E+00	2.08E+00	6.56E-01	2.09E-01	6.45E+00
231	488049.44	3856589.39	19.137	2.92457	3.7722	2.91166	3.13E+00	2.27E+00	7.31E-01	2.14E-01	6.34E+00	3.08E+00	9.82E-05	8.02E-03	6.27E-03	3.10E+00	3.74E+00	2.27E+00	7.31E-01	2.14E-01	6.96E+00
232	488099.44	3856589.39	18.7222	2.87532	3.8507	2.79513	3.06E+00	2.23E+00	7.47E-01	2.06E-01	6.25E+00	3.02E+00	9.66E-05	8.19E-03	6.02E-03	3.03E+00	3.66E+00	2.23E+00	7.47E-01	2.06E-01	6.85E+00
233	488149.44	3856589.39	18.2853	2.79345	3.5563	2.76673	2.99E+00	2.17E+00	6.90E-01	2.04E-01	6.05E+00	2.95E+00	9.38E-05	7.56E-03	5.96E-03	2.96E+00	3.58E+00	2.17E+00	6.90E-01	2.04E-01	6.64E+00
234	488199.44	3856589.39	17.908	2.77558	3.5887	2.75664	2.93E+00	2.15E+00	6.96E-01	2.03E-01	5.98E+00	2.89E+00	9.32E-05	7.63E-03	5.93E-03	2.90E+00	3.50E+00	2.15E+00	6.96E-01	2.03E-01	6.56E+00
235	488249.44	3856589.39	17.5415	2.84862	3.5249	2.73227	2.87E+00	2.21E+00	6.83E-01	2.01E-01	5.96E+00	2.83E+00	9.57E-05	7.49E-03	5.88E-03	2.84E+00	3.43E+00	2.21E+00	6.83E-01	2.01E-01	6.53E+00
236	488049.44	3856639.39	19.6736	3.04874	4.0579	2.90291	3.22E+00	2.36E+00	7.87E-01	2.14E-01	6.58E+00	3.17E+00	1.02E-04	8.63E-03	6.25E-03	3.19E+00	3.85E+00	2.37E+00	7.87E-01	2.14E-01	7.22E+00
237	488099.44	3856639.39	19.2486	3.00075	4.054	2.86534	3.15E+00	2.33E+00	7.86E-01	2.11E-01	6.47E+00	3.10E+00	1.01E-04	8.62E-03	6.17E-03	3.12E+00	3.77E+00	2.33E+00	7.86E-01	2.11E-01	7.09E+00
238	488149.44	3856639.39	18.8416	2.93226	3.7473	2.83661	3.08E+00	2.27E+00	7.27E-01	2.09E-01	6.29E+00	3.04E+00	9.85E-05	7.97E-03	6.11E-03	3.05E+00	3.69E+00	2.27E+00	7.27E-01	2.09E-01	6.90E+00
239	488199.44	3856639.39	18.4323	2.93631	3.7604	2.81384	3.01E+00	2.28E+00	7.29E-01	2.07E-01	6.23E+00	2.97E+00	9.86E-05	8.00E-03	6.06E-03	2.98E+00	3.61E+00	2.28E+00	7.29E-01	2.07E-01	6.82E+00
240	488249.44	3856639.39	18.0422	2.96558	3.7573	2.78194	2.95E+00	2.30E+00	7.29E-01	2.05E-01	6.18E+00	2.91E+00	9.96E-05	7.99E-03	5.99E-03	2.92E+00	3.53E+00	2.30E+00	7.29E-01	2.05E-01	6.76E+00

241	488299.44	3856639.39	17.6429	2.99114	4.0713	2.79038	2.89E+00	2.32E+00	7.89E-01	2.05E-01	6.20E+00	2.84E+00	1.00E-04	8.66E-03	6.01E-03	2.86E+00	3.45E+00	2.32E+00	7.89E-01	2.05E-01	6.77E+00
242	488349.44	3856639.39	17.2853	2.97943	4.4249	2.77723	2.83E+00	2.31E+00	8.58E-01	2.04E-01	6.20E+00	2.79E+00	1.00E-04	9.41E-03	5.98E-03	2.80E+00	3.38E+00	2.31E+00	8.58E-01	2.04E-01	6.76E+00
243	488399.44	3856639.39	16.9254	3.0106	4.3909	2.76584	2.77E+00	2.34E+00	8.51E-01	2.04E-01	6.16E+00	2.73E+00	1.01E-04	9.34E-03	5.95E-03	2.74E+00	3.31E+00	2.34E+00	8.51E-01	2.04E-01	6.70E+00
244	488099.44	3856689.39	19.768	3.12189	4.2974	2.87997	3.23E+00	2.42E+00	8.33E-01	2.12E-01	6.70E+00	3.19E+00	1.05E-04	9.14E-03	6.20E-03	3.20E+00	3.87E+00	2.42E+00	8.33E-01	2.12E-01	7.34E+00
245	488149.44	3856689.39	19.3204	3.07026	3.9517	2.89989	3.16E+00	2.38E+00	7.66E-01	2.14E-01	6.52E+00	3.11E+00	1.03E-04	8.40E-03	6.24E-03	3.13E+00	3.78E+00	2.38E+00	7.66E-01	2.14E-01	7.14E+00
246	488199.44	3856689.39	18.9007	3.0561	3.9353	2.86675	3.09E+00	2.37E+00	7.63E-01	2.11E-01	6.44E+00	3.05E+00	1.03E-04	8.37E-03	6.17E-03	3.06E+00	3.70E+00	2.37E+00	7.63E-01	2.11E-01	7.04E+00
247	488249.44	3856689.39	18.5064	3.065	4.0172	2.83947	3.03E+00	2.38E+00	7.79E-01	2.09E-01	6.39E+00	2.98E+00	1.03E-04	8.54E-03	6.11E-03	3.00E+00	3.62E+00	2.38E+00	7.79E-01	2.09E-01	6.99E+00
248	488299.44	3856689.39	18.1112	3.12653	4.3188	2.82834	2.96E+00	2.43E+00	8.37E-01	2.08E-01	6.43E+00	2.92E+00	1.05E-04	9.18E-03	6.09E-03	2.93E+00	3.54E+00	2.43E+00	8.37E-01	2.08E-01	7.02E+00
249	488349.44	3856689.39	17.7014	3.11638	4.5094	2.82094	2.90E+00	2.42E+00	8.74E-01	2.08E-01	6.39E+00	2.85E+00	1.05E-04	9.59E-03	6.07E-03	2.87E+00	3.46E+00	2.42E+00	8.74E-01	2.08E-01	6.96E+00
250	488399.44	3856689.39	17.3346	3.07658	4.6517	2.8344	2.84E+00	2.39E+00	9.02E-01	2.09E-01	6.33E+00	2.79E+00	1.03E-04	9.89E-03	6.10E-03	2.81E+00	3.39E+00	2.39E+00	9.02E-01	2.09E-01	6.89E+00
251	488099.44	3856739.39	20.2643	3.26727	4.52	2.99782	3.31E+00	2.53E+00	8.76E-01	2.21E-01	6.95E+00	3.27E+00	1.10E-04	9.61E-03	6.45E-03	3.28E+00	3.97E+00	2.53E+00	8.76E-01	2.21E-01	7.60E+00
252	488149.44	3856739.39	19.8584	3.21275	4.118	2.93944	3.25E+00	2.49E+00	7.99E-01	2.16E-01	6.76E+00	3.20E+00	1.08E-04	8.76E-03	6.33E-03	3.22E+00	3.89E+00	2.49E+00	7.99E-01	2.16E-01	7.39E+00
253	488199.44	3856739.39	19.4014	3.20514	4.1879	2.92452	3.17E+00	2.49E+00	8.12E-01	2.15E-01	6.69E+00	3.13E+00	1.08E-04	8.90E-03	6.30E-03	3.14E+00	3.80E+00	2.49E+00	8.12E-01	2.15E-01	7.31E+00
254	488249.44	3856739.39	18.9769	3.1838	4.3512	2.94811	3.10E+00	2.47E+00	8.44E-01	2.17E-01	6.63E+00	3.06E+00	1.07E-04	9.25E-03	6.35E-03	3.07E+00	3.71E+00	2.47E+00	8.44E-01	2.17E-01	7.24E+00
255	488299.44	3856739.39	18.5831	3.16295	4.5665	2.94234	3.04E+00	2.45E+00	8.85E-01	2.17E-01	6.60E+00	2.99E+00	1.06E-04	9.71E-03	6.33E-03	3.01E+00	3.64E+00	2.45E+00	8.85E-01	2.17E-01	7.19E+00
256	488349.44	3856739.39	18.1557	3.21067	4.6537	2.93389	2.97E+00	2.49E+00	9.02E-01	2.16E-01	6.58E+00	2.93E+00	1.08E-04	9.89E-03	6.32E-03	2.94E+00	3.55E+00	2.49E+00	9.02E-01	2.16E-01	7.16E+00
257	488399.44	3856739.39	17.73	3.27574	4.9435	2.93807	2.90E+00	2.54E+00	9.59E-01	2.16E-01	6.62E+00	2.86E+00	1.10E-04	1.05E-02	6.32E-03	2.87E+00	3.47E+00	2.54E+00	9.59E-01	2.16E-01	7.19E+00
258	487999.44	3856789.39	21.7698	3.41122	4.9723	2.99344	3.56E+00	2.65E+00	9.64E-01	2.20E-01	7.39E+00	3.51E+00	1.15E-04	1.06E-02	6.44E-03	3.52E+00	4.26E+00	2.65E+00	9.64E-01	2.20E-01	8.09E+00
259	488049.44	3856789.39	21.2696	3.39988	4.6866	2.99293	3.48E+00	2.64E+00	9.09E-01	2.20E-01	7.25E+00	3.43E+00	1.14E-04	9.96E-03	6.44E-03	3.44E+00	4.16E+00	2.64E+00	9.09E-01	2.20E-01	7.93E+00
260	488099.44	3856789.39	20.7377	3.39692	4.6599	2.98462	3.39E+00	2.63E+00	9.04E-01	2.20E-01	7.15E+00	3.34E+00	1.14E-04	9.91E-03	6.43E-03	3.36E+00	4.06E+00	2.64E+00	9.04E-01	2.20E-01	7.82E+00
261	488149.44	3856789.39	20.2829	3.37638	4.2847	2.92032	3.32E+00	2.62E+00	8.31E-01	2.15E-01	6.98E+00	3.27E+00	1.13E-04	9.11E-03	6.29E-03	3.28E+00	3.97E+00	2.62E+00	8.31E-01	2.15E-01	7.63E+00
262	488199.44	3856789.39	19.8585	3.33565	4.4915	2.88586	3.25E+00	2.59E+00	8.71E-01	2.12E-01	6.92E+00	3.20E+00	1.12E-04	9.55E-03	6.21E-03	3.22E+00	3.89E+00	2.59E+00	8.71E-01	2.12E-01	7.56E+00
263	488249.44	3856789.39	19.4658	3.31813	4.6525	2.94651	3.18E+00	2.57E+00	9.02E-01	2.17E-01	6.88E+00	3.14E+00	1.11E-04	9.89E-03	6.34E-03	3.15E+00	3.81E+00	2.57E+00	9.02E-01	2.17E-01	7.50E+00
264	488299.44	3856789.39	19.0539	3.30041	4.8271	2.92746	3.12E+00	2.56E+00	9.36E-01	2.16E-01	6.83E+00	3.07E+00	1.11E-04	1.03E-02	6.30E-03	3.09E+00	3.73E+00	2.56E+00	9.36E-01	2.16E-01	7.44E+00
265	488349.44	3856789.39	18.5421	3.37637	5.0337	2.91104	3.03E+00	2.62E+00	9.76E-01	2.14E-01	6.84E+00	2.99E+00	1.13E-04	1.07E-02	6.27E-03	3.00E+00	3.63E+00	2.62E+00	9.76E-01	2.14E-01	7.44E+00
266	488399.44	3856789.39	18.0422	3.42111	5.4336	2.90198	2.95E+00	2.65E+00	1.05E+00	2.14E-01	6.87E+00	2.91E+00	1.15E-04	1.16E-02	6.25E-03	2.93E+00	3.53E+00	2.65E+00	1.05E+00	2.14E-01	7.45E+00
267	487949.44	3856839.39	22.9459	3.51653	4.5106	2.99687	3.75E+00	2.73E+00	8.75E-01	2.21E-01	7.58E+00	3.70E+00	1.18E-04	9.59E-03	6.45E-03	3.71E+00	4.49E+00	2.73E+00	8.75E-01	2.21E-01	8.31E+00
268	487999.44	3856839.39	22.3481	3.5297	5.2384	2.96938	3.66E+00	2.74E+00	1.02E+00	2.19E-01	7.63E+00	3.60E+00	1.19E-04	1.11E-02	6.39E-03	3.62E+00	4.37E+00	2.74E+00	1.02E+00	2.19E-01	8.35E+00
269	488049.44	3856839.39	21.7931	3.5197	4.8812	2.94763	3.56E+00	2.73E+00	9.46E-01	2.17E-01	7.46E+00	3.51E+00	1.18E-04	1.04E-02	6.35E-03	3.53E+00	4.26E+00	2.73E+00	9.46E-01	2.17E-01	8.16E+00
270	488099.44	3856839.39	21.2705	3.49005	4.7649	2.93344	3.48E+00	2.71E+00	9.24E-01	2.16E-01	7.33E+00	3.43E+00	1.17E-04	1.01E-02	6.31E-03	3.44E+00	4.16E+00	2.71E+00	9.24E-01	2.16E-01	8.01E+00
271	488149.44	3856839.39	20.7895	3.51048	4.5101	2.91895	3.40E+00	2.72E+00	8.75E-01	2.15E-01	7.21E+00	3.35E+00	1.18E-04	9.59E-03	6.28E-03	3.37E+00	4.07E+00	2.72E+00	8.75E-01	2.15E-01	7.88E+00
272	488199.44	3856839.39	20.2726	3.47858	4.7914	2.90951	3.32E+00	2.70E+00	9.29E-01	2.14E-01	7.16E+00	3.27E+00	1.17E-04	1.02E-02	6.26E-03	3.28E+00	3.97E+00	2.70E+00	9.29E-01	2.14E-01	7.81E+00
273	487949.44	3856889.39	23.5982	3.62161	4.8156	2.98551	3.86E+00	2.81E+00	9.34E-01	2.20E-01	7.82E+00	3.80E+00	1.22E-04	1.02E-02	6.43E-03	3.82E+00	4.62E+00	2.81E+00	9.34E-01	2.20E-01	8.58E+00
274	487999.44	3856889.39	22.9601	3.68782	5.493	2.97501	3.76E+00	2.86E+00	1.07E+00	2.19E-01	7.90E+00	3.70E+00	1.24E-04	1.17E-02	6.40E-03	3.72E+00	4.49E+00	2.86E+00	1.07E+00	2.19E-01	8.64E+00
275	488049.44	3856889.39	22.3948	3.6309	4.9955	2.93435	3.66E+00	2.82E+00	9.69E-01	2.16E-01	7.66E+00	3.61E+00	1.22E-04	1.06E-02	6.32E-03	3.63E+00	4.38E+00	2.82E+00	9.69E-01	2.16E-01	8.38E+00
276	488099.44	3856889.39	21.7933	3.62344	4.8513	2.9111	3.56E+00	2.81E+00	9.41E-01	2.14E-01	7.53E+00	3.51E+00	1.22E-04	1.03E-02	6.27E-03	3.53E+00	4.26E+00	2.81E+00	9.41E-01	2.14E-01	8.23E+00
277	488635.86	3857895.05	21.4537	6.53954	73.318	2.25531	3.51E+00	5.07E+00	1.42E+01	1.66E-01	2.30E+01	3.46E+00	2.20E-04	1.56E-01	4.86E-03	3.62E+00	4.20E+00	5.07E+00	1.42E+01	1.66E-01	2.37E+01
278	489137.64	3857804.15	19.0169	5.71901	33.895	2.15452	3.11E+00	4.44E+00	6.57E+00	1.59E-01	1.43E+01	3.06E+00	1.92E-04	7.21E-02	4.64E-03	3.14E+00	3.72E+00	4.44E+00	6.57E+00	1.59E-01	1.49E+01
279	488617.32	3857859.41	21.8691	6.46571	73.382	2.21254	3.58E+00	5.02E+00	1.42E+01	1.63E-01	2.30E+01	3.52E+00	2.17E-04	1.56E-01	4.76E-03	3.68E+00	4.28E+00	5.02E+00	1.42E+01	1.63E-01	2.37E+01
280	488667.32	3857859.41	21.7726	6.37531	66.866	2.22642	3.56E+00	4.95E+00	1.30E+01	1.64E-01	2.16E+01	3.51E+00	2.14E-04	1.42E-01	4.79E-03	3.66E+00	4.26E+00	4.95E+00	1.30E+01	1.64E-01	2.23E+01
281	488717.32	3857859.41	21.8142	6.20351	60.558	2.21143	3.57E+00	4.81E+00	1.17E+01	1.63E-01	2.03E+01	3.51E+00	2.08E-04	1.29E-01	4.76E-03	3.65E+00	4.27E+00	4.81E+00	1.17E+01	1.63E-01	2.10E+01
282	488767.32	3857859.41	21.7776	6.19463	55.139	2.23566	3.56E+00	4.81E+00	1.07E+01	1.65E-01	1.92E+01	3.51E+00	2.08E-04	1.17E-01	4.81E-03	3.63E+00	4.26E+00	4.81E+00	1.07E+01	1.65E-01	1.99E+01
283	488617.32	3857909.41	20.9915	6.57611	76.567	2.25471	3.43E+00	5.10E+00	1.48E+01	1.66E-01	2.35E+01	3.38E+00	2.21E-04	1.63E-01	4.85E-03	3.55E+00	4.11E+00	5.10E+00	1.48E+01	1.66E-01	2.42E+01
284	488667.32	3857909.41	21.2411	6.55434	69.685	2.23198	3.47E+00	5.08E+00	1.35E+01	1.64E-01	2.22E+01	3.42E+00	2.20E-04	1.48E-01	4.80E-03	3.58E+00	4.16E+00	5.08E+00	1.35E+01	1.64E-01	2.29E+01
285	488717.32	3857909.41	21.2545	6.37841	63.56	2.1819	3.48E+00	4.95E+00	1.23E+01	1.61E-01	2.09E+01	3.42E+00	2.14E-04	1.35E-01	4.70E-03	3.56E+00	4.16E+00	4.95E+00	1.23E+01	1.61E-01	2.16E+01
286	488767.32	3857909.41	21.2359	6.31555	57.688	2.20062	3.47E+00	4.90E+00	1.12E+01	1.62E-01	1.97E+01	3.42E+00	2.12E-04	1.23E-01	4.74E-03	3.55E+00	4.16E+00	4.90E+00	1.12E+01	1.62E-01	2.04E+01
287	488417.32	3857959.41	21.633	6.97078	117.26	2.30477	3.54E+00	5.41E+00	2.27E+01	1.70E-01	3.19E+01	3.49E+00	2.34E-04	2.49E-01	4.96E-03	3.74E+00	4.23E+00	5.41E+00	2.27E+01	1.70E-01	3.25E+01
288	488467.32	3857959.41	21.3196	6.89631	109.46	2.37085	3.49E+00	5.35E+00	2.12E+01	1.75E-01	3.02E+01	3.44E+00	2.32E-04	2.33E-01	5.10E-03	3.67E+00	4.17E+00	5.35E+00	2.12E+01	1.75E-01	3.09E+01
289	488517.32	3857959.41	20.9586	6.93307	101.12	2.3481	3.43E+00	5.38E+00	1.96E+01	1.73E-01	2.86E+01	3.38E+00	2.33E-04	2.15E-01	5.05E-03	3.60E+00	4.10E+00	5.38E+00	1.96E+01	1.73E-01	2.93E+01
290	488567.32	3857959.41	20.8564	6.85387	89.384	2.37396	3.41E+00	5.32E+00	1.73E+01	1.75E-01	2.62E+01	3.36E+00	2.30E-04	1.90E-01	5.11E-03	3.56E+00	4.08E+00	5.32E+00	1.73E+01	1.75E-01	2.69E+01
291	488617.32	3857959.41	20.7682	6.72479	79.199	2.32947	3.40E+00	5.22E+00	1.54E+01	1.72E-01	2.41E+01	3.35E+00	2.26E-04	1.68E-01	5.01E-03	3.52E+00	4.06E+00	5.22E+00	1.54E+01	1.72E-01	2.48E+01
292	488667.32	3857959.41	20.6615	6.65264	70.985	2.24686	3.38E+00	5.16E+00	1.38E+01	1.65E-01	2.25E+01	3.33E+00	2.23E-04	1.51E-01	4.84E-03	3.49E+00	4.04E+00	5.16E+00	1.38E+01	1.65E-01	2.31E+01
293	488717.32	3857959.41	20.4712	6.55535	64.153	2.26061	3.35E+00	5.08E+00	1.24E+01	1.66E-01	2.10E+01	3.30E+00	2.20E-04	1.36E-01	4.87E-03	3.44E+00	4.01E+00	5.09E+00	1.24E+01	1.66E-01	2.17E+01
294	488767.32	3857959.41	20.7799	6.51168	58.84	2.33181	3.40E+00	5.05E+00	1.14E+01	1.72E-01	2.00E+01	3.35E+00	2.19E-04	1.25E-01	5.02E-03	3.48E+00	4.07E+00	5.05E+00	1.14E+01	1.72E-01	2.07E+01
295	488417.32	3858009.41	20.815	7.22827	119.75	2.33777	3.40E+00	5.61E+00	2.32E+01	1.72E-01	3.24E+01	3.35E+00	2.43E-04	2.55E-01	5.03E-03	3.61E+00	4.07E+00	5.61E+00	2.32E+01	1.72E-01	3.31E+01
296	488467.32	3858009.41	21.0537	7.24625	111.08	2.27615	3.44E+00	5.62E+00	2.15E+01	1.68E-01	3.08E+01	3.39E+00	2.43E-04	2.36E-01	4.90E-03	3.63E+00	4.12E+00	5.62E+00	2.15E+01	1.68E-01	3.14E+01
297	488517.32	3858009.41	21.0851	7.26662	102.62	2.34091	3.45E+00	5.64E+00	1.99E+01	1.72E-01	2.92E+01	3.40E+00	2.44E-04	2.18E-01	5.04E-03	3.62E+00	4.13E+00	5.64E+00	1.99E+01	1.72E-01	2.98E+01
298	488567.32	3858009.41	20.3464	7.13949	91.026	2.38108	3.33E+00	5.54E+00	1.77E+01	1.75E-01	2.67E+01	3.28E+00	2.40E-04	1.94E-01	5.13E-03	3.48E+00	3.98E+00	5.54E+00	1.77E+01	1.75E-01	2.73E+01
299	488617.32	3858009.41	20.8075	6.97597	81.378	2.43337	3.40E+00	5.41E+00	1.58E+01	1.79E-01	2.48E+01	3.35E+00	2.34E-04	1.73E-01	5.24E-03	3.53E+00	4.07E+00	5.41E+00	1.58E+01	1.79E-01	2.54E+01
300	488667.32	3858009.41	20.338	7.01518	72.586	2.43547	3.33E+00	5.44E+00	1.41E+01	1.79E-01	2.30E+01	3.28E+00	2.36E-04	1.54E-01	5.24E-03	3.44E+00	3.98E+00	5.44E+00	1.41E+01	1.79E-01	2.37E+01
301	488717.32	3858009.41	20.158	6.81699	65.407	2.40362	3.30E+00	5.29E+00	1.27E+01	1.77E-01	2.14E+01	3.25E+00	2.29E-04	1.39E-01	5.17E-03	3.39E+00	3.94E+00	5.29E+00	1.27E+01	1.77E-01	2.21E+01

302	488767.32	3858009.41	19.8275	6.81569	59.42	2.47811	3.24E+00	5.29E+00	1.15E+01	1.82E-01	2.02E+01	3.19E+00	2.29E-04	1.26E-01	5.33E-03	3.33E+00	3.88E+00	5.29E+00	1.15E+01	1.82E-01	2.09E+01
303	488417.32	3858059.41	20.1428	7.50964	118.45	2.31796	3.29E+00	5.83E+00	2.30E+01	1.71E-01	3.23E+01	3.25E+00	2.52E-04	2.52E-01	4.99E-03	3.50E+00	3.94E+00	5.83E+00	2.30E+01	1.71E-01	3.29E+01
304	488467.32	3858059.41	20.4065	7.63331	109.74	2.31966	3.34E+00	5.92E+00	2.13E+01	1.71E-01	3.07E+01	3.29E+00	2.56E-04	2.33E-01	4.99E-03	3.53E+00	3.99E+00	5.92E+00	2.13E+01	1.71E-01	3.14E+01
305	488517.32	3858059.41	20.4832	7.61572	100.65	2.33196	3.35E+00	5.91E+00	1.95E+01	1.72E-01	2.89E+01	3.30E+00	2.56E-04	2.14E-01	5.02E-03	3.52E+00	4.01E+00	5.91E+00	1.95E+01	1.72E-01	2.96E+01
306	488567.32	3858059.41	20.6806	7.44931	88.481	2.31505	3.38E+00	5.78E+00	1.72E+01	1.70E-01	2.65E+01	3.33E+00	2.50E-04	1.88E-01	4.98E-03	3.53E+00	4.05E+00	5.78E+00	1.72E+01	1.70E-01	2.72E+01
307	488617.32	3858059.41	20.2909	7.29213	78.335	2.46953	3.32E+00	5.66E+00	1.52E+01	1.82E-01	2.43E+01	3.27E+00	2.45E-04	1.67E-01	5.32E-03	3.44E+00	3.97E+00	5.66E+00	1.52E+01	1.82E-01	2.50E+01
308	488667.32	3858059.41	19.9964	7.20006	70.544	2.40525	3.27E+00	5.59E+00	1.37E+01	1.77E-01	2.27E+01	3.22E+00	2.42E-04	1.50E-01	5.18E-03	3.38E+00	3.91E+00	5.59E+00	1.37E+01	1.77E-01	2.34E+01
309	488417.32	3858109.41	19.3801	7.53994	117.55	2.37702	3.17E+00	5.85E+00	2.28E+01	1.75E-01	3.20E+01	3.12E+00	2.53E-04	2.50E-01	5.12E-03	3.38E+00	3.79E+00	5.85E+00	2.28E+01	1.75E-01	3.26E+01
310	488467.32	3858109.41	19.7447	7.82859	108.7	2.37582	3.23E+00	6.07E+00	2.11E+01	1.75E-01	3.06E+01	3.18E+00	2.63E-04	2.31E-01	5.11E-03	3.42E+00	3.86E+00	6.07E+00	2.11E+01	1.75E-01	3.12E+01
311	488517.32	3858109.41	19.8846	7.79366	98.043	2.35861	3.25E+00	6.05E+00	1.90E+01	1.74E-01	2.85E+01	3.20E+00	2.62E-04	2.08E-01	5.08E-03	3.42E+00	3.89E+00	6.05E+00	1.90E+01	1.74E-01	2.91E+01
312	488567.32	3858109.41	19.7651	7.64396	85.682	2.47117	3.23E+00	5.93E+00	1.66E+01	1.82E-01	2.60E+01	3.18E+00	2.57E-04	1.82E-01	5.32E-03	3.37E+00	3.87E+00	5.93E+00	1.66E+01	1.82E-01	2.66E+01
313	488617.32	3858109.41	20.1788	7.64932	75.53	2.51296	3.30E+00	5.93E+00	1.46E+01	1.85E-01	2.41E+01	3.25E+00	2.57E-04	1.61E-01	5.41E-03	3.42E+00	3.95E+00	5.93E+00	1.46E+01	1.85E-01	2.47E+01
314	488667.32	3858109.41	20.0621	7.42232	67.887	2.39724	3.28E+00	5.76E+00	1.32E+01	1.76E-01	2.24E+01	3.23E+00	2.49E-04	1.44E-01	5.16E-03	3.38E+00	3.93E+00	5.76E+00	1.32E+01	1.76E-01	2.30E+01
315	488769.93	3858449.27	15.4599	8.95195	27.985	2.93178	2.53E+00	6.94E+00	5.43E+00	2.16E-01	1.51E+01	2.49E+00	3.01E-04	5.95E-02	6.31E-03	2.56E+00	3.03E+00	6.94E+00	5.43E+00	2.16E-01	1.56E+01
316	488819.93	3858449.27	16.3023	8.91534	29.092	2.87825	2.67E+00	6.92E+00	5.64E+00	2.12E-01	1.54E+01	2.63E+00	2.99E-04	6.19E-02	6.20E-03	2.70E+00	3.19E+00	6.92E+00	5.64E+00	2.12E-01	1.60E+01
317	488819.93	3858499.27	14.9279	9.34977	22.881	2.84104	2.44E+00	7.25E+00	4.44E+00	2.09E-01	1.43E+01	2.41E+00	3.14E-04	4.86E-02	6.12E-03	2.46E+00	2.92E+00	7.25E+00	4.44E+00	2.09E-01	1.48E+01
318	488869.93	3858499.27	15.9001	9.20918	24.41	2.79423	2.60E+00	7.14E+00	4.73E+00	2.06E-01	1.47E+01	2.56E+00	3.09E-04	5.19E-02	6.02E-03	2.62E+00	3.11E+00	7.14E+00	4.73E+00	2.06E-01	1.52E+01
319	488869.93	3858549.27	14.3631	9.70029	19.039	2.7871	2.35E+00	7.52E+00	3.69E+00	2.05E-01	1.38E+01	2.31E+00	3.26E-04	4.05E-02	6.00E-03	2.36E+00	2.81E+00	7.52E+00	3.69E+00	2.05E-01	1.42E+01
320	489438.17	3859571.48	13.2527	14.4916	2.0513	3.29891	2.17E+00	1.12E+01	3.98E-01	2.43E-01	1.40E+01	2.14E+00	4.87E-04	4.36E-03	7.10E-03	2.15E+00	2.59E+00	1.12E+01	3.98E-01	2.43E-01	1.45E+01
321	489488.17	3859571.48	13.0062	13.9678	2.2701	3.28558	2.13E+00	1.08E+01	4.40E-01	2.42E-01	1.36E+01	2.10E+00	4.69E-04	4.83E-03	7.07E-03	2.11E+00	2.55E+00	1.08E+01	4.40E-01	2.42E-01	1.41E+01
322	489538.17	3859571.48	13.122	13.6009	2.7686	3.33841	2.15E+00	1.06E+01	5.37E-01	2.46E-01	1.35E+01	2.11E+00	4.57E-04	5.89E-03	7.19E-03	2.13E+00	2.57E+00	1.06E+01	5.37E-01	2.46E-01	1.39E+01
323	489588.17	3859571.48	13.3151	13.2376	3.2102	3.40447	2.18E+00	1.03E+01	6.22E-01	2.51E-01	1.33E+01	2.15E+00	4.45E-04	6.83E-03	7.33E-03	2.16E+00	2.61E+00	1.03E+01	6.22E-01	2.51E-01	1.37E+01
324	489438.17	3859621.48	12.8197	14.826	1.6678	3.50895	2.10E+00	1.15E+01	3.23E-01	2.58E-01	1.42E+01	2.07E+00	4.98E-04	3.55E-03	7.55E-03	2.08E+00	2.51E+00	1.15E+01	3.23E-01	2.58E-01	1.46E+01
325	489488.17	3859621.48	13.1549	14.4035	1.9792	3.41372	2.15E+00	1.12E+01	3.84E-01	2.51E-01	1.40E+01	2.12E+00	4.84E-04	4.21E-03	7.35E-03	2.13E+00	2.57E+00	1.12E+01	3.84E-01	2.51E-01	1.44E+01
326	489538.17	3859621.48	12.9089	13.9284	2.185	3.34458	2.11E+00	1.08E+01	4.24E-01	2.46E-01	1.36E+01	2.08E+00	4.68E-04	4.65E-03	7.20E-03	2.09E+00	2.53E+00	1.08E+01	4.24E-01	2.46E-01	1.40E+01
327	489588.17	3859621.48	13.0148	13.4397	2.6226	3.34783	2.13E+00	1.04E+01	5.09E-01	2.46E-01	1.33E+01	2.10E+00	4.51E-04	5.58E-03	7.21E-03	2.11E+00	2.55E+00	1.04E+01	5.09E-01	2.46E-01	1.37E+01
328	489238.17	3859671.48	12.3777	16.7218	1.3464	3.72404	2.02E+00	1.30E+01	2.61E-01	2.74E-01	1.55E+01	1.99E+00	5.62E-04	2.86E-03	8.02E-03	2.01E+00	2.42E+00	1.30E+01	2.61E-01	2.74E-01	1.59E+01
329	489288.17	3859671.48	12.7044	16.2702	1.3318	3.69495	2.08E+00	1.26E+01	2.58E-01	2.72E-01	1.52E+01	2.05E+00	5.47E-04	2.83E-03	7.95E-03	2.06E+00	2.49E+00	1.26E+01	2.58E-01	2.72E-01	1.56E+01
330	489338.17	3859671.48	12.649	15.8739	1.4576	3.79635	2.07E+00	1.23E+01	2.83E-01	2.80E-01	1.49E+01	2.04E+00	5.33E-04	3.10E-03	8.17E-03	2.05E+00	2.48E+00	1.23E+01	2.83E-01	2.80E-01	1.54E+01
331	489388.17	3859671.48	12.6263	15.3727	1.5626	3.91524	2.07E+00	1.19E+01	3.03E-01	2.88E-01	1.46E+01	2.03E+00	5.16E-04	3.32E-03	8.43E-03	2.05E+00	2.47E+00	1.19E+01	3.03E-01	2.88E-01	1.50E+01
332	489438.17	3859671.48	12.6644	14.9338	1.5509	3.95075	2.07E+00	1.16E+01	3.01E-01	2.91E-01	1.42E+01	2.04E+00	5.02E-04	3.30E-03	8.50E-03	2.05E+00	2.48E+00	1.16E+01	3.01E-01	2.91E-01	1.47E+01
333	489488.17	3859671.48	12.6858	14.4936	1.6428	3.94191	2.07E+00	1.12E+01	3.19E-01	2.90E-01	1.39E+01	2.04E+00	4.87E-04	3.49E-03	8.49E-03	2.06E+00	2.48E+00	1.12E+01	3.19E-01	2.90E-01	1.43E+01
334	489538.17	3859671.48	13.0494	14.1272	1.9131	3.88079	2.13E+00	1.10E+01	3.71E-01	2.86E-01	1.37E+01	2.10E+00	4.75E-04	4.07E-03	8.35E-03	2.12E+00	2.55E+00	1.10E+01	3.71E-01	2.86E-01	1.42E+01
335	489588.17	3859671.48	12.8373	13.73	2.1118	3.75992	2.10E+00	1.07E+01	4.09E-01	2.77E-01	1.34E+01	2.07E+00	4.61E-04	4.49E-03	8.09E-03	2.08E+00	2.51E+00	1.07E+01	4.09E-01	2.77E-01	1.38E+01
336	489238.17	3859721.48	11.904	16.4399	1.3431	3.88944	1.95E+00	1.28E+01	2.60E-01	2.86E-01	1.52E+01	1.92E+00	5.52E-04	2.86E-03	8.37E-03	1.93E+00	2.33E+00	1.28E+01	2.60E-01	2.86E-01	1.56E+01
337	489288.17	3859721.48	12.2782	16.1473	1.286	3.81537	2.01E+00	1.25E+01	2.49E-01	2.81E-01	1.51E+01	1.98E+00	5.42E-04	2.73E-03	8.21E-03	1.99E+00	2.40E+00	1.25E+01	2.49E-01	2.81E-01	1.55E+01
338	489338.17	3859721.48	12.5277	15.6642	1.2918	3.77421	2.05E+00	1.22E+01	2.50E-01	2.78E-01	1.47E+01	2.02E+00	5.26E-04	2.75E-03	8.12E-03	2.03E+00	2.45E+00	1.22E+01	2.50E-01	2.78E-01	1.51E+01
339	489388.17	3859721.48	12.6294	15.2695	1.4819	3.70894	2.07E+00	1.18E+01	2.87E-01	2.73E-01	1.45E+01	2.03E+00	5.13E-04	3.15E-03	7.98E-03	2.05E+00	2.47E+00	1.18E+01	2.87E-01	2.73E-01	1.49E+01
340	489438.17	3859721.48	12.6061	14.9559	1.4963	3.61167	2.06E+00	1.16E+01	2.90E-01	2.66E-01	1.42E+01	2.03E+00	5.02E-04	3.18E-03	7.78E-03	2.04E+00	2.47E+00	1.16E+01	2.90E-01	2.66E-01	1.46E+01
341	489488.17	3859721.48	12.5981	14.499	1.5099	3.56629	2.06E+00	1.12E+01	2.93E-01	2.63E-01	1.39E+01	2.03E+00	4.87E-04	3.21E-03	7.68E-03	2.04E+00	2.47E+00	1.12E+01	2.93E-01	2.63E-01	1.43E+01
342	489538.17	3859721.48	12.567	14.1563	1.5752	3.62504	2.06E+00	1.10E+01	3.05E-01	2.67E-01	1.36E+01	2.02E+00	4.76E-04	3.35E-03	7.80E-03	2.04E+00	2.46E+00	1.10E+01	3.05E-01	2.67E-01	1.40E+01
343	489588.17	3859721.48	12.9354	13.7336	1.8507	3.62279	2.12E+00	1.07E+01	3.59E-01	2.67E-01	1.34E+01	2.08E+00	4.61E-04	3.93E-03	7.80E-03	2.10E+00	2.53E+00	1.07E+01	3.59E-01	2.67E-01	1.38E+01
344	489238.17	3859771.48	11.9745	16.4475	1.3617	3.75009	1.96E+00	1.28E+01	2.64E-01	2.76E-01	1.53E+01	1.93E+00	5.52E-04	2.90E-03	8.07E-03	1.94E+00	2.34E+00	1.28E+01	2.64E-01	2.76E-01	1.56E+01
345	489288.17	3859771.48	11.7637	16.0003	1.2904	3.77616	1.92E+00	1.24E+01	2.50E-01	2.78E-01	1.49E+01	1.90E+00	5.37E-04	2.74E-03	8.13E-03	1.91E+00	2.30E+00	1.24E+01	2.50E-01	2.78E-01	1.52E+01
346	489338.17	3859771.48	12.1425	15.5971	1.2785	3.75831	1.99E+00	1.21E+01	2.48E-01	2.77E-01	1.46E+01	1.96E+00	5.24E-04	2.72E-03	8.09E-03	1.97E+00	2.38E+00	1.21E+01	2.48E-01	2.77E-01	1.50E+01
347	489388.17	3859771.48	12.3422	15.2179	1.2852	3.65321	2.02E+00	1.18E+01	2.49E-01	2.69E-01	1.43E+01	1.99E+00	5.11E-04	2.73E-03	7.86E-03	2.00E+00	2.42E+00	1.18E+01	2.49E-01	2.69E-01	1.47E+01
348	489438.17	3859771.48	12.5499	14.8811	1.4581	3.65269	2.05E+00	1.15E+01	2.83E-01	2.69E-01	1.41E+01	2.02E+00	5.00E-04	3.10E-03	7.86E-03	2.03E+00	2.46E+00	1.15E+01	2.83E-01	2.69E-01	1.46E+01
349	489488.17	3859771.48	12.5574	14.5326	1.4619	3.58039	2.05E+00	1.13E+01	2.83E-01	2.64E-01	1.39E+01	2.02E+00	4.88E-04	3.11E-03	7.71E-03	2.03E+00	2.46E+00	1.13E+01	2.83E-01	2.64E-01	1.43E+01
350	489538.17	3859771.48	12.5063	14.1755	1.4717	3.57009	2.05E+00	1.10E+01	2.85E-01	2.63E-01	1.36E+01	2.02E+00	4.76E-04	3.13E-03	7.69E-03	2.03E+00	2.45E+00	1.10E+01	2.85E-01	2.63E-01	1.40E+01
351	489588.17	3859771.48	12.4481	13.7552	1.5316	3.538	2.04E+00	1.07E+01	2.97E-01	2.60E-01	1.33E+01	2.01E+00	4.62E-04	3.26E-03	7.62E-03	2.02E+00	2.44E+00	1.07E+01	2.97E-01	2.60E-01	1.37E+01
352	489238.17	3859821.48	12.2689	15.9271	1.3281	4.34708	2.01E+00	1.24E+01	2.58E-01	3.20E-01	1.49E+01	1.98E+00	5.35E-04	2.82E-03	9.36E-03	1.99E+00	2.40E+00	1.24E+01	2.58E-01	3.20E-01	1.53E+01
353	489288.17	3859821.48	11.8438	15.7357	1.2947	4.19749	1.94E+00	1.22E+01	2.51E-01	3.09E-01	1.47E+01	1.91E+00	5.29E-04	2.75E-03	9.04E-03	1.92E+00	2.32E+00	1.22E+01	2.51E-01	3.09E-01	1.51E+01
354	489338.17	3859821.48	11.5304	15.6364	1.2302	4.01602	1.89E+00	1.21E+01	2.39E-01	2.96E-01	1.45E+01	1.86E+00	5.25E-04	2.62E-03	8.65E-03	1.87E+00	2.26E+00	1.21E+01	2.39E-01	2.96E-01	1.49E+01
355	489388.17	3859821.48	11.9837	15.2488	1.2311	3.97089	1.96E+00	1.18E+01	2.39E-01	2.92E-01	1.43E+01	1.93E+00	5.12E-04	2.62E-03	8.55E-03	1.94E+00	2.34E+00	1.18E+01	2.39E-01	2.92E-01	1.47E+01
356	489438.17	3859821.48	12.1905	14.8564	1.315	3.87663	1.99E+00	1.15E+01	2.55E-01	2.85E-01	1.41E+01	1.96E+00	4.99E-04	2.80E-03	8.35E-03	1.98E+00	2.39E+00	1.15E+01	2.55E-01	2.85E-01	1.45E+01
357	489488.17	3859821.48	12.5014	14.4069	1.4353	3.86541	2.04E+00	1.12E+01	2.78E-01	2.85E-01	1.38E+01	2.01E+00	4.84E-04	3.05E-03	8.32E-03	2.03E+00	2.45E+00	1.12E+01	2.78E-01	2.85E-01	1.42E+01
358	489538.17	3859821.48	12.4885	14.0632	1.4299	3.81017	2.04E+00	1.09E+01	2.77E-01	2.81E-01	1.35E+01	2.01E+00	4.72E-04	3.04E-03	8.20E-03	2.02E+00	2.44E+00	1.09E+01	2.77E-01	2.81E-01	1.39E+01
359	489588.17	3859821.48	12.3974	13.7961	1.4345	3.75688	2.03E+00	1.07E+01	2.78E-01	2.77E-01	1.33E+01	2.00E+00	4.63E-04	3.05E-03	8.09E-03	2.01E+00	2.43E+00	1.07E+01	2.78E-01	2.77E-01	1.37E+01
360	489238.17	3859871.48	12.421	15.7011	1.2694	5.26852	2.03E+00	1.22E+01	2.46E-01	3.88E-01	1.48E+01	2.00E+00	5.27E-04	2.70E-03	1.13E-02	2.02E+00	2.43E+00	1.22E+01	2.46E-01	3.88E-01	1.52E+01
361	489288.17	3859871.48	12.0531	15.2572	1.298	5.02503	1.97E+00	1.18E+01	2.52E-01	3.70E-01	1.44E+01	1.94E+00	5.13E-04	2.76E-03	1.08E-02	1.96E+00	2.36E+00	1.18E+01	2.52E-01	3.70E-01	1.48E+01
362	489338.17	3859871.48	11.6976	15.0132	1.2332	4.83239	1.91E+00	1.16E+01	2.39E-01	3.56E-01	1.42E+01	1.88E+00	5.04E-04	2.62E-03	1.04E-02	1.90E+00	2.29E+00	1.16E+01	2.39E-01	3.56E-01	1.45E+01

363	489388.17	3859871.48	11.3737	14.9441	1.1859	4.60685	1.86E+00	1.16E+01	2.30E-01	3.39E-01	1.40E+01	1.83E+00	5.02E-04	2.52E-03	9.92E-03	1.85E+00	2.23E+00	1.16E+01	2.30E-01	3.39E-01	1.44E+01
364	489438.17	3859871.48	11.873	14.7273	1.1976	4.366	1.94E+00	1.14E+01	2.32E-01	3.21E-01	1.39E+01	1.91E+00	4.95E-04	2.55E-03	9.40E-03	1.93E+00	2.32E+00	1.14E+01	2.32E-01	3.21E-01	1.43E+01
365	489488.17	3859871.48	12.1029	14.3877	1.3641	4.29557	1.98E+00	1.12E+01	2.65E-01	3.16E-01	1.37E+01	1.95E+00	4.83E-04	2.90E-03	9.25E-03	1.96E+00	2.37E+00	1.12E+01	2.65E-01	3.16E-01	1.41E+01
366	489538.17	3859871.48	12.4391	14.1041	1.3917	4.22205	2.03E+00	1.09E+01	2.70E-01	3.11E-01	1.36E+01	2.00E+00	4.74E-04	2.96E-03	9.09E-03	2.02E+00	2.43E+00	1.09E+01	2.70E-01	3.11E-01	1.40E+01
367	489588.17	3859871.48	12.3746	13.6941	1.3991	4.10878	2.02E+00	1.06E+01	2.71E-01	3.03E-01	1.32E+01	1.99E+00	4.60E-04	2.97E-03	8.85E-03	2.01E+00	2.42E+00	1.06E+01	2.71E-01	3.03E-01	1.36E+01
368	489238.17	3859921.48	12.0214	14.9306	1.2389	5.46938	1.97E+00	1.16E+01	2.40E-01	4.03E-01	1.42E+01	1.94E+00	5.02E-04	2.63E-03	1.18E-02	1.95E+00	2.35E+00	1.16E+01	2.40E-01	4.03E-01	1.46E+01
369	489288.17	3859921.48	12.2742	14.96	1.2344	5.23301	2.01E+00	1.16E+01	2.39E-01	3.85E-01	1.42E+01	1.98E+00	5.03E-04	2.62E-03	1.13E-02	1.99E+00	2.40E+00	1.16E+01	2.39E-01	3.85E-01	1.46E+01
370	489338.17	3859921.48	11.882	14.7605	1.2503	5.00506	1.94E+00	1.14E+01	2.42E-01	3.68E-01	1.40E+01	1.91E+00	4.96E-04	2.66E-03	1.08E-02	1.93E+00	2.33E+00	1.15E+01	2.42E-01	3.68E-01	1.44E+01
371	489388.17	3859921.48	11.6038	14.4923	1.1802	4.84909	1.90E+00	1.12E+01	2.29E-01	3.57E-01	1.37E+01	1.87E+00	4.87E-04	2.51E-03	1.04E-02	1.88E+00	2.27E+00	1.12E+01	2.29E-01	3.57E-01	1.41E+01
372	489438.17	3859921.48	11.3059	14.134	1.1975	4.60598	1.85E+00	1.10E+01	2.32E-01	3.39E-01	1.34E+01	1.82E+00	4.75E-04	2.55E-03	9.92E-03	1.83E+00	2.21E+00	1.10E+01	2.32E-01	3.39E-01	1.37E+01
373	489488.17	3859921.48	11.7784	13.9975	1.1961	4.48719	1.93E+00	1.09E+01	2.32E-01	3.30E-01	1.33E+01	1.90E+00	4.70E-04	2.54E-03	9.66E-03	1.91E+00	2.30E+00	1.09E+01	2.32E-01	3.30E-01	1.37E+01
374	489538.17	3859921.48	11.9398	13.767	1.3755	4.32816	1.95E+00	1.07E+01	2.67E-01	3.19E-01	1.32E+01	1.92E+00	4.62E-04	2.92E-03	9.32E-03	1.94E+00	2.34E+00	1.07E+01	2.67E-01	3.19E-01	1.36E+01
375	489588.17	3859921.48	12.3671	13.6146	1.3635	4.24667	2.02E+00	1.06E+01	2.64E-01	3.13E-01	1.32E+01	1.99E+00	4.57E-04	2.90E-03	9.14E-03	2.01E+00	2.42E+00	1.06E+01	2.64E-01	3.13E-01	1.36E+01
376	489238.17	3859971.48	11.963	14.4568	1.223	5.48143	1.96E+00	1.12E+01	2.37E-01	4.04E-01	1.38E+01	1.93E+00	4.86E-04	2.60E-03	1.18E-02	1.94E+00	2.34E+00	1.12E+01	2.37E-01	4.04E-01	1.42E+01
377	489288.17	3859971.48	11.9495	14.3534	1.197	5.57567	1.95E+00	1.11E+01	2.32E-01	4.11E-01	1.37E+01	1.93E+00	4.82E-04	2.55E-03	1.20E-02	1.94E+00	2.34E+00	1.11E+01	2.32E-01	4.11E-01	1.41E+01
378	489338.17	3859971.48	12.1244	14.166	1.2026	5.29096	1.98E+00	1.10E+01	2.33E-01	3.90E-01	1.36E+01	1.95E+00	4.76E-04	2.56E-03	1.14E-02	1.97E+00	2.37E+00	1.10E+01	2.33E-01	3.90E-01	1.40E+01
379	489388.17	3859971.48	11.7271	14.087	1.1963	5.2539	1.92E+00	1.09E+01	2.32E-01	3.87E-01	1.35E+01	1.89E+00	4.73E-04	2.54E-03	1.13E-02	1.90E+00	2.29E+00	1.09E+01	2.32E-01	3.87E-01	1.38E+01
380	489438.17	3859971.48	11.5472	13.699	1.1341	4.97084	1.89E+00	1.06E+01	2.20E-01	3.66E-01	1.31E+01	1.86E+00	4.60E-04	2.41E-03	1.07E-02	1.87E+00	2.26E+00	1.06E+01	2.20E-01	3.66E-01	1.35E+01
381	489488.17	3859971.48	11.2667	13.1753	1.1587	4.69073	1.84E+00	1.02E+01	2.25E-01	3.45E-01	1.26E+01	1.82E+00	4.43E-04	2.46E-03	1.01E-02	1.83E+00	2.20E+00	1.02E+01	2.25E-01	3.45E-01	1.30E+01
382	489538.17	3859971.48	11.7813	12.6438	1.1907	4.51294	1.93E+00	9.81E+00	2.31E-01	3.32E-01	1.23E+01	1.90E+00	4.25E-04	2.53E-03	9.72E-03	1.91E+00	2.31E+00	9.81E+00	2.31E-01	3.32E-01	1.27E+01
383	489588.17	3859971.48	11.971	12.2347	1.3327	4.35226	1.96E+00	9.49E+00	2.58E-01	3.20E-01	1.20E+01	1.93E+00	4.11E-04	2.83E-03	9.37E-03	1.94E+00	2.34E+00	9.49E+00	2.58E-01	3.20E-01	1.24E+01
384	483577.7	3854071	22.1946	2.80691	0.4278	0.95272	3.63E+00	2.18E+00	8.30E-02	7.01E-02	5.96E+00	3.58E+00	9.43E-05	9.10E-04	2.05E-03	3.58E+00	4.34E+00	2.18E+00	8.30E-02	7.01E-02	6.67E+00
385	483627.7	3854071	23.8929	2.73302	0.4261	0.97856	3.91E+00	2.12E+00	8.26E-02	7.20E-02	6.18E+00	3.85E+00	9.18E-05	9.06E-04	2.11E-03	3.85E+00	4.68E+00	2.12E+00	8.26E-02	7.20E-02	6.95E+00
386	483677.7	3854071	24.5891	2.67921	0.4229	1.00524	4.02E+00	2.08E+00	8.20E-02	7.40E-02	6.26E+00	3.96E+00	9.00E-05	8.99E-04	2.16E-03	3.97E+00	4.81E+00	2.08E+00	8.20E-02	7.40E-02	7.05E+00
387	483727.7	3854071	25.3565	2.57013	0.4249	1.03637	4.15E+00	1.99E+00	8.24E-02	7.63E-02	6.30E+00	4.09E+00	8.63E-05	9.03E-04	2.23E-03	4.09E+00	4.96E+00	1.99E+00	8.24E-02	7.63E-02	7.11E+00
388	483777.7	3854071	25.4077	2.45893	0.4289	1.07753	4.16E+00	1.91E+00	8.32E-02	7.93E-02	6.23E+00	4.09E+00	8.26E-05	9.12E-04	2.32E-03	4.10E+00	4.97E+00	1.91E+00	8.32E-02	7.93E-02	7.04E+00
389	483577.7	3854121	21.6137	2.842	0.4343	0.9717	3.54E+00	2.20E+00	8.42E-02	7.15E-02	5.90E+00	3.48E+00	9.55E-05	9.23E-04	2.09E-03	3.49E+00	4.23E+00	2.20E+00	8.42E-02	7.15E-02	6.59E+00
390	483627.7	3854121	22.6191	2.67332	0.4324	0.98336	3.70E+00	2.07E+00	8.38E-02	7.24E-02	5.93E+00	3.64E+00	8.98E-05	9.19E-04	2.12E-03	3.65E+00	4.43E+00	2.07E+00	8.38E-02	7.24E-02	6.66E+00
391	483677.7	3854121	24.3174	2.55037	0.4298	1.04205	3.98E+00	1.98E+00	8.33E-02	7.67E-02	6.12E+00	3.92E+00	8.57E-05	9.14E-04	2.24E-03	3.92E+00	4.76E+00	1.98E+00	8.33E-02	7.67E-02	6.90E+00
392	483727.7	3854121	25.2398	2.38488	0.4258	1.09829	4.13E+00	1.85E+00	8.26E-02	8.09E-02	6.14E+00	4.07E+00	8.01E-05	9.05E-04	2.36E-03	4.07E+00	4.94E+00	1.85E+00	8.26E-02	8.09E-02	6.95E+00
393	483777.7	3854121	26.7821	2.3558	0.4272	1.06954	4.38E+00	1.83E+00	8.28E-02	7.87E-02	6.37E+00	4.32E+00	7.91E-05	9.08E-04	2.30E-03	4.32E+00	5.24E+00	1.83E+00	8.28E-02	7.87E-02	7.23E+00
394	483577.7	3854171	21.5371	2.70911	0.4403	0.98993	3.52E+00	2.10E+00	8.54E-02	7.29E-02	5.78E+00	3.47E+00	9.10E-05	9.36E-04	2.13E-03	3.47E+00	4.21E+00	2.10E+00	8.54E-02	7.29E-02	6.47E+00
395	483627.7	3854171	22.005	2.5154	0.4381	1.01734	3.60E+00	1.95E+00	8.50E-02	7.49E-02	5.71E+00	3.55E+00	8.45E-05	9.31E-04	2.19E-03	3.55E+00	4.31E+00	1.95E+00	8.50E-02	7.49E-02	6.42E+00
396	483677.7	3854171	23.1962	2.38512	0.4361	1.09122	3.79E+00	1.85E+00	8.46E-02	8.03E-02	5.81E+00	3.74E+00	8.01E-05	9.27E-04	2.35E-03	3.74E+00	4.54E+00	1.85E+00	8.46E-02	8.03E-02	6.55E+00
397	483727.7	3854171	25.6013	2.29983	0.4328	1.11281	4.19E+00	1.78E+00	8.39E-02	8.19E-02	6.14E+00	4.13E+00	7.73E-05	9.20E-04	2.40E-03	4.13E+00	5.01E+00	1.78E+00	8.39E-02	8.19E-02	6.96E+00
398	483777.7	3854171	26.0714	2.21505	0.4294	1.06258	4.26E+00	1.72E+00	8.33E-02	7.82E-02	6.14E+00	4.20E+00	7.44E-05	9.13E-04	2.29E-03	4.20E+00	5.10E+00	1.72E+00	8.33E-02	7.82E-02	6.98E+00
399	483827.7	3854171	27.4161	2.1649	0.4295	1.05466	4.48E+00	1.68E+00	8.33E-02	7.76E-02	6.32E+00	4.42E+00	7.27E-05	9.13E-04	2.27E-03	4.42E+00	5.36E+00	1.68E+00	8.33E-02	7.76E-02	7.21E+00
400	483877.7	3854171	26.7983	2.10678	0.4368	1.07303	4.38E+00	1.63E+00	8.47E-02	7.90E-02	6.18E+00	4.32E+00	7.08E-05	9.29E-04	2.31E-03	4.32E+00	5.24E+00	1.63E+00	8.47E-02	7.90E-02	7.04E+00
401	483727.7	3854221	24.4475	2.27362	0.4406	1.09812	4.00E+00	1.76E+00	8.54E-02	8.08E-02	5.93E+00	3.94E+00	7.64E-05	9.37E-04	2.36E-03	3.94E+00	4.78E+00	1.76E+00	8.54E-02	8.08E-02	6.71E+00
402	483777.7	3854221	26.3469	2.1682	0.4379	1.05975	4.31E+00	1.68E+00	8.49E-02	7.80E-02	6.15E+00	4.25E+00	7.28E-05	9.31E-04	2.28E-03	4.25E+00	5.16E+00	1.68E+00	8.49E-02	7.80E-02	7.00E+00
403	483827.7	3854221	26.538	2.15563	0.4337	1.0648	4.34E+00	1.67E+00	8.41E-02	7.84E-02	6.18E+00	4.28E+00	7.24E-05	9.22E-04	2.29E-03	4.28E+00	5.19E+00	1.67E+00	8.41E-02	7.84E-02	7.03E+00
404	483877.7	3854221	28.086	2.10844	0.4337	1.09821	4.59E+00	1.64E+00	8.41E-02	8.09E-02	6.39E+00	4.53E+00	7.08E-05	9.22E-04	2.36E-03	4.53E+00	5.50E+00	1.64E+00	8.41E-02	8.09E-02	7.30E+00
405	489150.19	3858726.45	14.7558	10.0073	12.818	2.44005	2.41E+00	7.76E+00	2.49E+00	1.80E-01	1.28E+01	2.38E+00	3.36E-04	2.73E-02	5.25E-03	2.41E+00	2.89E+00	7.76E+00	2.49E+00	1.80E-01	1.33E+01
406	489200.19	3858726.45	14.4772	9.79987	13.341	2.44093	2.37E+00	7.60E+00	2.59E+00	1.80E-01	1.27E+01	2.33E+00	3.29E-04	2.84E-02	5.25E-03	2.37E+00	2.83E+00	7.60E+00	2.59E+00	1.80E-01	1.32E+01
407	489150.19	3858776.45	13.8049	10.5589	11.22	2.58138	2.26E+00	8.19E+00	2.18E+00	1.90E-01	1.28E+01	2.22E+00	3.55E-04	2.39E-02	5.56E-03	2.25E+00	2.70E+00	8.19E+00	2.18E+00	1.90E-01	1.33E+01
408	489200.19	3858776.45	14.3815	10.1479	11.54	2.55691	2.35E+00	7.87E+00	2.24E+00	1.88E-01	1.26E+01	2.32E+00	3.41E-04	2.45E-02	5.50E-03	2.35E+00	2.81E+00	7.87E+00	2.24E+00	1.88E-01	1.31E+01
409	488919.6	3856400.76	13.1014	2.539	3.2728	2.6026	2.14E+00	1.97E+00	6.35E-01	1.92E-01	4.94E+00	2.11E+00	8.53E-05	6.96E-03	5.60E-03	2.12E+00	2.56E+00	1.97E+00	6.35E-01	1.92E-01	5.36E+00
410	488919.6	3856450.76	13.293	2.66396	3.4234	2.62648	2.17E+00	2.07E+00	6.64E-01	1.93E-01	5.10E+00	2.14E+00	8.95E-05	7.28E-03	5.65E-03	2.15E+00	2.60E+00	2.07E+00	6.64E-01	1.93E-01	5.52E+00
411	488969.6	3856450.76	13.1109	2.62338	3.5072	2.61199	2.14E+00	2.03E+00	6.80E-01	1.92E-01	5.05E+00	2.11E+00	8.81E-05	7.46E-03	5.62E-03	2.13E+00	2.57E+00	2.04E+00	6.80E-01	1.92E-01	5.47E+00
412	488919.6	3856500.76	13.4847	2.75608	3.5318	2.56139	2.21E+00	2.14E+00	6.85E-01	1.89E-01	5.22E+00	2.17E+00	9.26E-05	7.51E-03	5.51E-03	2.19E+00	2.64E+00	2.14E+00	6.85E-01	1.89E-01	5.65E+00
413	488969.6	3856500.76	13.2289	2.73513	3.6638	2.54196	2.16E+00	2.12E+00	7.10E-01	1.87E-01	5.18E+00	2.13E+00	9.19E-05	7.79E-03	5.47E-03	2.14E+00	2.59E+00	2.12E+00	7.10E-01	1.87E-01	5.61E+00
414	488919.6	3856550.76	13.8612	2.86874	3.8143	2.60507	2.27E+00	2.23E+00	7.40E-01	1.92E-01	5.42E+00	2.23E+00	9.64E-05	8.11E-03	5.61E-03	2.25E+00	2.71E+00	2.23E+00	7.40E-01	1.92E-01	5.87E+00
415	488969.6	3856550.76	13.6212	2.86311	4.0615	2.57705	2.23E+00	2.22E+00	7.88E-01	1.90E-01	5.43E+00	2.19E+00	9.62E-05	8.64E-03	5.55E-03	2.21E+00	2.67E+00	2.22E+00	7.88E-01	1.90E-01	5.86E+00
416	488819.6	3856600.76	14.7298	2.96379	3.9644	2.57398	2.41E+00	2.30E+00	7.69E-01	1.90E-01	5.67E+00	2.37E+00	9.96E-05	8.43E-03	5.54E-03	2.39E+00	2.88E+00	2.30E+00	7.69E-01	1.90E-01	6.14E+00
417	488869.6	3856600.76	14.4661	2.95497	3.9173	2.53389	2.37E+00	2.29E+00	7.60E-01	1.87E-01	5.60E+00	2.33E+00	9.93E-05	8.33E-03	5.45E-03	2.34E+00	2.83E+00	2.29E+00	7.60E-01	1.87E-01	6.07E+00
418	488919.6	3856600.76	14.2324	2.9408	4.1171	2.52116	2.33E+00	2.28E+00	7.98E-01	1.86E-01	5.59E+00	2.29E+00	9.88E-05	8.75E-03	5.43E-03	2.31E+00	2.78E+00	2.28E+00	7.98E-01	1.86E-01	6.05E+00
419	488819.6	3856650.76	14.9516	3.06117	4.0563	2.58464	2.45E+00	2.37E+00	7.87E-01	1.90E-01	5.80E+00	2.41E+00	1.03E-04	8.62E-03	5.56E-03	2.42E+00	2.93E+00	2.37E+00	7.87E-01	1.90E-01	6.28E+00
420	488869.6	3856650.76	14.7518	3.06572	4.2165	2.52115	2.41E+00	2.38E+00	8.18E-01	1.86E-01	5.79E+00	2.38E+00	1.03E-04	8.97E-03	5.43E-03	2.39E+00	2.89E+00	2.38E+00	8.18E-01	1.86E-01	6.27E+00
421	488819.6	3856700.76	15.0705	3.18238	4.3783	2.65024	2.46E+00	2.47E+00	8.49E-01	1.95E-01	5.98E+00	2.43E+00	1.07E-04	9.31E-03	5.71E-03	2.44E+00	2.95E+00	2.47E+00	8.49E-01	1.95E-01	6.46E+00
422	488869.6	3856700.76	14.8263	3.16102	4.751	2.67311	2.43E+00	2.45E+00	9.21E-01	1.97E-01	6.00E+00	2.39E+00	1.06E-04	1.01E-02	5.75E-03	2.40E+00	2.90E+00	2.45E+00	9.21E-01	1.97E-01	6.47E+00
423	488819.6	3856750.76	15.0953	3.29465	4.8002	2.77049	2.47E+00	2.56E+00	9.31E-01	2.04E-01	6.16E+00	2.43E+00	1.11E-04	1.02E-02	5.96E-03	2.45E+00	2.95E+00	2.56E+00	9.31E-01	2.04E-01	6.64E+00

424	488869.6	3856750.76	14.8423	3.28477	5.1998	2.7504	2.43E+00	2.55E+00	1.01E+00	2.02E-01	6.19E+00	2.39E+00	1.10E-04	1.11E-02	5.92E-03	2.41E+00	2.90E+00	2.55E+00	1.01E+00	2.02E-01	6.66E+00
425	488819.6	3857050.76	17.1352	3.89516	9.8	2.51497	2.80E+00	3.02E+00	1.90E+00	1.85E-01	7.91E+00	2.76E+00	1.31E-04	2.08E-02	5.41E-03	2.79E+00	3.35E+00	3.02E+00	1.90E+00	1.85E-01	8.46E+00
426	488869.6	3857050.76	16.764	3.88123	10.05	2.5027	2.74E+00	3.01E+00	1.95E+00	1.84E-01	7.89E+00	2.70E+00	1.30E-04	2.14E-02	5.39E-03	2.73E+00	3.28E+00	3.01E+00	1.95E+00	1.84E-01	8.42E+00
427	488919.6	3857050.76	16.3094	3.89817	11.595	2.47221	2.67E+00	3.02E+00	2.25E+00	1.82E-01	8.12E+00	2.63E+00	1.31E-04	2.47E-02	5.32E-03	2.66E+00	3.19E+00	3.02E+00	2.25E+00	1.82E-01	8.65E+00
428	488819.6	3857100.76	17.292	3.99603	10.825	2.51822	2.83E+00	3.10E+00	2.10E+00	1.85E-01	8.21E+00	2.79E+00	1.34E-04	2.30E-02	5.42E-03	2.81E+00	3.38E+00	3.10E+00	2.10E+00	1.85E-01	8.77E+00
429	488869.6	3857100.76	16.9792	3.99233	12.448	2.50639	2.78E+00	3.10E+00	2.41E+00	1.85E-01	8.47E+00	2.74E+00	1.34E-04	2.65E-02	5.40E-03	2.77E+00	3.32E+00	3.10E+00	2.41E+00	1.85E-01	9.02E+00
430	488919.6	3857100.76	16.6702	4.0253	13.505	2.48953	2.73E+00	3.12E+00	2.62E+00	1.83E-01	8.65E+00	2.69E+00	1.35E-04	2.87E-02	5.36E-03	2.72E+00	3.26E+00	3.12E+00	2.62E+00	1.83E-01	9.19E+00
431	488819.6	3857150.76	17.4092	4.11907	13.382	2.4037	2.85E+00	3.20E+00	2.59E+00	1.77E-01	8.81E+00	2.81E+00	1.38E-04	2.85E-02	5.17E-03	2.84E+00	3.41E+00	3.20E+00	2.59E+00	1.77E-01	9.37E+00
432	488869.6	3857150.76	17.0602	4.14759	14.48	2.46015	2.79E+00	3.22E+00	2.81E+00	1.81E-01	9.00E+00	2.75E+00	1.39E-04	3.08E-02	5.30E-03	2.79E+00	3.34E+00	3.22E+00	2.81E+00	1.81E-01	9.54E+00
433	488919.6	3857150.76	16.7411	4.14581	14.857	2.43213	2.74E+00	3.22E+00	2.88E+00	1.79E-01	9.01E+00	2.70E+00	1.39E-04	3.16E-02	5.24E-03	2.73E+00	3.28E+00	3.22E+00	2.88E+00	1.79E-01	9.55E+00
434	488969.6	3857150.76	16.3543	4.10032	15.052	2.4651	2.67E+00	3.18E+00	2.92E+00	1.81E-01	8.96E+00	2.64E+00	1.38E-04	3.20E-02	5.31E-03	2.67E+00	3.20E+00	3.18E+00	2.92E+00	1.81E-01	9.48E+00
435	488819.6	3857200.76	17.7934	4.21532	15.932	2.41498	2.91E+00	3.27E+00	3.09E+00	1.78E-01	9.45E+00	2.87E+00	1.42E-04	3.39E-02	5.20E-03	2.91E+00	3.48E+00	3.27E+00	3.09E+00	1.78E-01	1.00E+01
436	488869.6	3857200.76	17.4639	4.25369	16.121	2.48143	2.86E+00	3.30E+00	3.13E+00	1.83E-01	9.46E+00	2.81E+00	1.43E-04	3.43E-02	5.34E-03	2.85E+00	3.42E+00	3.30E+00	3.13E+00	1.83E-01	1.00E+01
437	488919.6	3857200.76	17.073	4.25858	16.453	2.43103	2.79E+00	3.30E+00	3.19E+00	1.79E-01	9.47E+00	2.75E+00	1.43E-04	3.50E-02	5.23E-03	2.79E+00	3.34E+00	3.30E+00	3.19E+00	1.79E-01	1.00E+01
438	488969.6	3857200.76	16.739	4.22936	16.267	2.41654	2.74E+00	3.28E+00	3.15E+00	1.78E-01	9.35E+00	2.70E+00	1.42E-04	3.46E-02	5.20E-03	2.74E+00	3.28E+00	3.28E+00	3.15E+00	1.78E-01	9.89E+00
439	488819.6	3857250.76	18.1737	4.34786	17.895	2.48747	2.97E+00	3.37E+00	3.47E+00	1.83E-01	1.00E+01	2.93E+00	1.46E-04	3.80E-02	5.35E-03	2.97E+00	3.56E+00	3.37E+00	3.47E+00	1.83E-01	1.06E+01
440	488869.6	3857250.76	17.7756	4.52257	17.723	2.47118	2.91E+00	3.51E+00	3.44E+00	1.82E-01	1.00E+01	2.86E+00	1.52E-04	3.77E-02	5.32E-03	2.91E+00	3.48E+00	3.51E+00	3.44E+00	1.82E-01	1.06E+01
441	488919.6	3857250.76	17.3747	4.38785	17.955	2.3971	2.84E+00	3.40E+00	3.48E+00	1.76E-01	9.90E+00	2.80E+00	1.47E-04	3.82E-02	5.16E-03	2.84E+00	3.40E+00	3.40E+00	3.48E+00	1.76E-01	1.05E+01
442	488969.6	3857250.76	17.0833	4.36059	17.602	2.3654	2.79E+00	3.38E+00	3.41E+00	1.74E-01	9.76E+00	2.75E+00	1.46E-04	3.74E-02	5.09E-03	2.80E+00	3.34E+00	3.38E+00	3.41E+00	1.74E-01	1.03E+01
443	488819.6	3857300.76	18.5475	4.56815	19.761	2.55737	3.03E+00	3.54E+00	3.83E+00	1.88E-01	1.06E+01	2.99E+00	1.53E-04	4.20E-02	5.51E-03	3.04E+00	3.63E+00	3.54E+00	3.83E+00	1.88E-01	1.12E+01
444	488869.6	3857300.76	18.1353	4.63026	19.844	2.44569	2.97E+00	3.59E+00	3.85E+00	1.80E-01	1.06E+01	2.92E+00	1.56E-04	4.22E-02	5.26E-03	2.97E+00	3.55E+00	3.59E+00	3.85E+00	1.80E-01	1.12E+01
445	488919.6	3857300.76	17.6967	4.56106	19.778	2.39531	2.89E+00	3.54E+00	3.84E+00	1.76E-01	1.04E+01	2.85E+00	1.53E-04	4.21E-02	5.16E-03	2.90E+00	3.46E+00	3.54E+00	3.84E+00	1.76E-01	1.10E+01
446	488819.6	3857450.76	19.871	5.08039	27.543	2.39091	3.25E+00	3.94E+00	5.34E+00	1.76E-01	1.27E+01	3.20E+00	1.71E-04	5.86E-02	5.15E-03	3.27E+00	3.89E+00	3.94E+00	5.34E+00	1.76E-01	1.33E+01
447	488869.6	3857450.76	19.3108	5.06653	26.757	2.40982	3.16E+00	3.93E+00	5.19E+00	1.77E-01	1.25E+01	3.11E+00	1.70E-04	5.69E-02	5.19E-03	3.17E+00	3.78E+00	3.93E+00	5.19E+00	1.77E-01	1.31E+01
448	488919.6	3857450.76	18.6144	5.07775	25.663	2.4083	3.04E+00	3.94E+00	4.98E+00	1.77E-01	1.21E+01	3.00E+00	1.71E-04	5.46E-02	5.18E-03	3.06E+00	3.64E+00	3.94E+00	4.98E+00	1.77E-01	1.27E+01
449	488819.6	3857500.76	20.2394	5.15571	30.106	2.29058	3.31E+00	4.00E+00	5.84E+00	1.69E-01	1.33E+01	3.26E+00	1.73E-04	6.40E-02	4.93E-03	3.33E+00	3.96E+00	4.00E+00	5.84E+00	1.69E-01	1.40E+01
450	488869.6	3857500.76	19.8027	5.1761	28.611	2.29367	3.24E+00	4.02E+00	5.55E+00	1.69E-01	1.30E+01	3.19E+00	1.74E-04	6.08E-02	4.94E-03	3.26E+00	3.87E+00	4.02E+00	5.55E+00	1.69E-01	1.36E+01
451	488919.6	3857500.76	19.3391	5.10764	27.796	2.34129	3.16E+00	3.96E+00	5.39E+00	1.72E-01	1.27E+01	3.12E+00	1.72E-04	5.91E-02	5.04E-03	3.18E+00	3.78E+00	3.96E+00	5.39E+00	1.72E-01	1.33E+01
452	488819.6	3857550.76	20.3677	5.25473	32.793	2.22953	3.33E+00	4.08E+00	6.36E+00	1.64E-01	1.39E+01	3.28E+00	1.77E-04	6.97E-02	4.80E-03	3.36E+00	3.99E+00	4.08E+00	6.36E+00	1.64E-01	1.46E+01
453	488869.6	3857550.76	20.023	5.25948	31.109	2.23117	3.27E+00	4.08E+00	6.03E+00	1.64E-01	1.36E+01	3.23E+00	1.77E-04	6.61E-02	4.80E-03	3.30E+00	3.92E+00	4.08E+00	6.03E+00	1.64E-01	1.42E+01
454	488919.6	3857550.76	19.6457	5.19895	30.648	2.23447	3.21E+00	4.03E+00	5.94E+00	1.65E-01	1.34E+01	3.17E+00	1.75E-04	6.52E-02	4.81E-03	3.24E+00	3.84E+00	4.03E+00	5.94E+00	1.65E-01	1.40E+01
455	489663.71	3860900.05	8.86055	15.6267	0.8727	1.59253	1.45E+00	1.21E+01	1.69E-01	1.17E-01	1.39E+01	1.43E+00	5.25E-04	1.86E-03	3.43E-03	1.43E+00	1.73E+00	1.21E+01	1.69E-01	1.17E-01	1.41E+01
456	489813.71	3860900.05	8.617	14.3214	0.8005	1.58657	1.41E+00	1.11E+01	1.55E-01	1.17E-01	1.28E+01	1.39E+00	4.81E-04	1.70E-03	3.42E-03	1.39E+00	1.69E+00	1.11E+01	1.55E-01	1.17E-01	1.31E+01
457	489863.71	3860900.05	8.70358	13.8023	0.7687	1.61076	1.42E+00	1.07E+01	1.49E-01	1.19E-01	1.24E+01	1.40E+00	4.64E-04	1.63E-03	3.47E-03	1.41E+00	1.70E+00	1.07E+01	1.49E-01	1.19E-01	1.27E+01
458	489913.71	3860900.05	8.69871	13.4348	0.754	1.58796	1.42E+00	1.04E+01	1.46E-01	1.17E-01	1.21E+01	1.40E+00	4.51E-04	1.60E-03	3.42E-03	1.41E+00	1.70E+00	1.04E+01	1.46E-01	1.17E-01	1.24E+01
459	489963.71	3860900.05	8.62379	13.0292	0.7486	1.56782	1.41E+00	1.01E+01	1.45E-01	1.15E-01	1.18E+01	1.39E+00	4.38E-04	1.59E-03	3.38E-03	1.39E+00	1.69E+00	1.01E+01	1.45E-01	1.15E-01	1.21E+01
460	490013.71	3860900.05	8.84098	12.7141	0.7525	1.58659	1.45E+00	9.86E+00	1.46E-01	1.17E-01	1.16E+01	1.42E+00	4.27E-04	1.60E-03	3.42E-03	1.43E+00	1.73E+00	9.86E+00	1.46E-01	1.17E-01	1.19E+01
461	490063.71	3860900.05	8.84015	12.3379	0.7616	1.60202	1.45E+00	9.57E+00	1.48E-01	1.18E-01	1.13E+01	1.42E+00	4.14E-04	1.62E-03	3.45E-03	1.43E+00	1.73E+00	9.57E+00	1.48E-01	1.18E-01	1.16E+01
462	489663.71	3860950.05	8.57659	15.3897	0.8657	1.59922	1.40E+00	1.19E+01	1.68E-01	1.18E-01	1.36E+01	1.38E+00	5.17E-04	1.84E-03	3.44E-03	1.39E+00	1.68E+00	1.19E+01	1.68E-01	1.18E-01	1.39E+01
463	489813.71	3860950.05	8.49077	14.3233	0.791	1.47526	1.39E+00	1.11E+01	1.53E-01	1.09E-01	1.28E+01	1.37E+00	4.81E-04	1.68E-03	3.18E-03	1.37E+00	1.66E+00	1.11E+01	1.53E-01	1.09E-01	1.30E+01
464	489863.71	3860950.05	8.48364	13.9587	0.774	1.46302	1.39E+00	1.08E+01	1.50E-01	1.08E-01	1.25E+01	1.37E+00	4.69E-04	1.65E-03	3.15E-03	1.37E+00	1.66E+00	1.08E+01	1.50E-01	1.08E-01	1.27E+01
465	489913.71	3860950.05	8.62414	13.585	0.7468	1.4993	1.41E+00	1.05E+01	1.45E-01	1.10E-01	1.22E+01	1.39E+00	4.56E-04	1.59E-03	3.23E-03	1.39E+00	1.69E+00	1.05E+01	1.45E-01	1.10E-01	1.25E+01
466	489963.71	3860950.05	8.49859	13.1821	0.7348	1.48544	1.39E+00	1.02E+01	1.42E-01	1.09E-01	1.19E+01	1.37E+00	4.43E-04	1.56E-03	3.20E-03	1.37E+00	1.66E+00	1.02E+01	1.42E-01	1.09E-01	1.21E+01
467	490013.71	3860950.05	8.5529	12.8369	0.733	1.45393	1.40E+00	9.96E+00	1.42E-01	1.07E-01	1.16E+01	1.38E+00	4.31E-04	1.56E-03	3.13E-03	1.38E+00	1.67E+00	9.96E+00	1.42E-01	1.07E-01	1.19E+01
468	490063.71	3860950.05	8.69483	12.5107	0.7382	1.47799	1.42E+00	9.70E+00	1.43E-01	1.09E-01	1.14E+01	1.40E+00	4.20E-04	1.57E-03	3.18E-03	1.41E+00	1.70E+00	9.71E+00	1.43E-01	1.09E-01	1.17E+01
469	489513.71	3861000.05	8.48981	15.6418	0.7761	1.59701	1.39E+00	1.21E+01	1.50E-01	1.18E-01	1.38E+01	1.37E+00	5.25E-04	1.65E-03	3.44E-03	1.37E+00	1.66E+00	1.21E+01	1.50E-01	1.18E-01	1.41E+01
470	489563.71	3861000.05	8.52209	15.7404	0.8213	1.59802	1.39E+00	1.22E+01	1.59E-01	1.18E-01	1.39E+01	1.37E+00	5.29E-04	1.75E-03	3.44E-03	1.38E+00	1.67E+00	1.22E+01	1.59E-01	1.18E-01	1.42E+01
471	489613.71	3861000.05	8.3234	15.6264	0.873	1.56163	1.36E+00	1.21E+01	1.69E-01	1.15E-01	1.38E+01	1.34E+00	5.25E-04	1.86E-03	3.36E-03	1.35E+00	1.63E+00	1.21E+01	1.69E-01	1.15E-01	1.40E+01
472	489663.71	3861000.05	8.15318	15.4543	0.8772	1.61036	1.33E+00	1.20E+01	1.70E-01	1.19E-01	1.36E+01	1.31E+00	5.19E-04	1.86E-03	3.47E-03	1.32E+00	1.60E+00	1.20E+01	1.70E-01	1.19E-01	1.39E+01
473	489713.71	3861000.05	8.53505	14.8704	0.8281	1.5107	1.40E+00	1.15E+01	1.61E-01	1.11E-01	1.32E+01	1.38E+00	5.00E-04	1.76E-03	3.25E-03	1.38E+00	1.67E+00	1.15E+01	1.61E-01	1.11E-01	1.35E+01
474	489763.71	3861000.05	8.4132	14.5209	0.7863	1.42013	1.38E+00	1.13E+01	1.52E-01	1.05E-01	1.29E+01	1.36E+00	4.88E-04	1.67E-03	3.06E-03	1.36E+00	1.65E+00	1.13E+01	1.52E-01	1.05E-01	1.32E+01
475	489813.71	3861000.05	8.23875	14.2621	0.7819	1.40659	1.35E+00	1.11E+01	1.52E-01	1.04E-01	1.27E+01	1.33E+00	4.79E-04	1.66E-03	3.03E-03	1.33E+00	1.61E+00	1.11E+01	1.52E-01	1.04E-01	1.29E+01
476	489863.71	3861000.05	8.36038	13.8695	0.7761	1.40064	1.37E+00	1.08E+01	1.50E-01	1.03E-01	1.24E+01	1.35E+00	4.66E-04	1.65E-03	3.02E-03	1.35E+00	1.64E+00	1.08E+01	1.50E-01	1.03E-01	1.26E+01
477	489913.71	3861000.05	8.41671	13.5263	0.7493	1.39484	1.38E+00	1.05E+01	1.45E-01	1.03E-01	1.21E+01	1.36E+00	4.54E-04	1.59E-03	3.00E-03	1.36E+00	1.65E+00	1.05E+01	1.45E-01	1.03E-01	1.24E+01
478	489963.71	3861000.05	8.513	13.229	0.7272	1.42987	1.39E+00	1.03E+01	1.41E-01	1.05E-01	1.19E+01	1.37E+00	4.44E-04	1.55E-03	3.08E-03	1.38E+00	1.67E+00	1.03E+01	1.41E-01	1.05E-01	1.22E+01
479	490013.71	3861000.05	8.31624	13.0043	0.7178	1.44382	1.36E+00	1.01E+01	1.39E-01	1.06E-01	1.17E+01	1.34E+00	4.37E-04	1.53E-03	3.11E-03	1.35E+00	1.63E+00	1.01E+01	1.39E-01	1.06E-01	1.20E+01
480	490063.71	3861000.05	8.44542	12.6478	0.7181	1.41531	1.38E+00	9.81E+00	1.39E-01	1.04E-01	1.14E+01	1.36E+00	4.25E-04	1.53E-03	3.05E-03	1.37E+00	1.65E+00	9.81E+00	1.39E-01	1.04E-01	1.17E+01
481	489513.71	3861050.05	8.20821	14.9456	0.7568	1.58724	1.34E+00	1.16E+01	1.47E-01	1.17E-01	1.32E+01	1.32E+00	5.02E-04	1.61E-03	3.42E-03	1.33E+00	1.61E+00	1.16E+01	1.47E-01	1.17E-01	1.35E+01
482	489563.71	3861050.05	8.39826	15.1348	0.7801	1.55888	1.37E+00	1.17E+01	1.51E-01	1.15E-01	1.34E+01	1.35E+00	5.08E-04	1.66E-03	3.36E-03	1.36E+00	1.64E+00	1.17E+01	1.51E-01	1.15E-01	1.37E+01
483	489613.71	3861050.05	8.46346	15.2346	0.8241	1.5548	1.38E+00	1.18E+01	1.60E-01	1.14E-01	1.35E+01	1.36E+00	5.12E-04	1.75E-03	3.35E-03	1.37E+00	1.66E+00	1.18E+01	1.60E-01	1.14E-01	1.37E+01
484	489663.71	3861050.05	8.14385	15.0825	0.8801	1.51751	1.33E+00	1.17E+01	1.71E-01	1.12E-01	1.33E+01	1.31E+00	5.07E-04	1.87E-03	3.27E-03	1.32E+00	1.59E+00	1.17E+01	1.71E-01	1.12E-01	1.36E+01

485	489713.71	3861050.05	8.07009	14.8993	0.8187	1.54942	1.32E+00	1.16E+01	1.59E-01	1.14E-01	1.32E+01	1.30E+00	5.00E-04	1.74E-03	3.34E-03	1.31E+00	1.58E+00	1.16E+01	1.59E-01	1.14E-01	1.34E+01
486	489763.71	3861050.05	8.48386	14.3365	0.7905	1.44607	1.39E+00	1.11E+01	1.53E-01	1.06E-01	1.28E+01	1.37E+00	4.82E-04	1.68E-03	3.11E-03	1.37E+00	1.66E+00	1.11E+01	1.53E-01	1.06E-01	1.30E+01
487	489813.71	3861050.05	8.20463	14.0742	0.7726	1.37332	1.34E+00	1.09E+01	1.50E-01	1.01E-01	1.25E+01	1.32E+00	4.73E-04	1.64E-03	2.96E-03	1.33E+00	1.61E+00	1.09E+01	1.50E-01	1.01E-01	1.28E+01
488	489863.71	3861050.05	8.13979	13.8165	0.7674	1.32232	1.33E+00	1.07E+01	1.49E-01	9.74E-02	1.23E+01	1.31E+00	4.64E-04	1.63E-03	2.85E-03	1.32E+00	1.59E+00	1.07E+01	1.49E-01	9.74E-02	1.26E+01
489	489913.71	3861050.05	8.24567	13.4483	0.7544	1.3489	1.35E+00	1.04E+01	1.46E-01	9.93E-02	1.20E+01	1.33E+00	4.52E-04	1.60E-03	2.90E-03	1.33E+00	1.61E+00	1.04E+01	1.46E-01	9.93E-02	1.23E+01
490	489963.71	3861050.05	8.3339	13.1931	0.725	1.33124	1.36E+00	1.02E+01	1.41E-01	9.80E-02	1.18E+01	1.34E+00	4.43E-04	1.54E-03	2.87E-03	1.35E+00	1.63E+00	1.02E+01	1.41E-01	9.80E-02	1.21E+01
491	490013.71	3861050.05	8.39487	12.8525	0.7096	1.36989	1.37E+00	9.97E+00	1.38E-01	1.01E-01	1.16E+01	1.35E+00	4.32E-04	1.51E-03	2.95E-03	1.36E+00	1.64E+00	9.97E+00	1.38E-01	1.01E-01	1.19E+01
492	490063.71	3861050.05	8.17431	12.6731	0.7026	1.39184	1.34E+00	9.83E+00	1.36E-01	1.02E-01	1.14E+01	1.32E+00	4.26E-04	1.49E-03	3.00E-03	1.32E+00	1.60E+00	9.83E+00	1.36E-01	1.02E-01	1.17E+01
493	489513.71	3861100.05	8.09668	14.6523	0.7287	1.58277	1.32E+00	1.14E+01	1.41E-01	1.17E-01	1.29E+01	1.30E+00	4.92E-04	1.55E-03	3.41E-03	1.31E+00	1.58E+00	1.14E+01	1.41E-01	1.17E-01	1.32E+01
494	489563.71	3861100.05	8.23456	14.4521	0.7529	1.51105	1.35E+00	1.12E+01	1.46E-01	1.11E-01	1.28E+01	1.33E+00	4.85E-04	1.60E-03	3.25E-03	1.33E+00	1.61E+00	1.12E+01	1.46E-01	1.11E-01	1.31E+01
495	489613.71	3861100.05	8.27477	14.5438	0.7827	1.51073	1.35E+00	1.13E+01	1.52E-01	1.11E-01	1.29E+01	1.33E+00	4.89E-04	1.66E-03	3.25E-03	1.34E+00	1.62E+00	1.13E+01	1.52E-01	1.11E-01	1.32E+01
496	489663.71	3861100.05	8.28519	14.6041	0.8348	1.50255	1.36E+00	1.13E+01	1.62E-01	1.11E-01	1.30E+01	1.34E+00	4.91E-04	1.77E-03	3.23E-03	1.34E+00	1.62E+00	1.13E+01	1.62E-01	1.11E-01	1.32E+01
497	489713.71	3861100.05	7.95104	14.5609	0.8439	1.47082	1.30E+00	1.13E+01	1.64E-01	1.08E-01	1.29E+01	1.28E+00	4.89E-04	1.79E-03	3.17E-03	1.29E+00	1.56E+00	1.13E+01	1.64E-01	1.08E-01	1.31E+01
498	489763.71	3861100.05	8.07039	14.4181	0.7854	1.50809	1.32E+00	1.12E+01	1.52E-01	1.11E-01	1.28E+01	1.30E+00	4.84E-04	1.67E-03	3.25E-03	1.31E+00	1.58E+00	1.12E+01	1.52E-01	1.11E-01	1.30E+01
499	489813.71	3861100.05	8.4015	13.8448	0.7634	1.40068	1.37E+00	1.07E+01	1.48E-01	1.03E-01	1.24E+01	1.35E+00	4.65E-04	1.62E-03	3.02E-03	1.36E+00	1.64E+00	1.07E+01	1.48E-01	1.03E-01	1.26E+01
500	489863.71	3861100.05	8.04441	13.7396	0.7593	1.34129	1.32E+00	1.07E+01	1.47E-01	9.88E-02	1.22E+01	1.30E+00	4.62E-04	1.61E-03	2.89E-03	1.30E+00	1.57E+00	1.07E+01	1.47E-01	9.88E-02	1.25E+01
501	489913.71	3861100.05	8.04424	13.4264	0.7539	1.26819	1.32E+00	1.04E+01	1.46E-01	9.34E-02	1.20E+01	1.30E+00	4.51E-04	1.60E-03	2.73E-03	1.30E+00	1.57E+00	1.04E+01	1.46E-01	9.34E-02	1.22E+01
502	489963.71	3861100.05	8.12952	13.1581	0.7302	1.28765	1.33E+00	1.02E+01	1.42E-01	9.48E-02	1.18E+01	1.31E+00	4.42E-04	1.55E-03	2.77E-03	1.31E+00	1.59E+00	1.02E+01	1.42E-01	9.48E-02	1.20E+01
503	490013.71	3861100.05	8.21485	12.8579	0.7032	1.28716	1.34E+00	9.97E+00	1.36E-01	9.48E-02	1.15E+01	1.32E+00	4.32E-04	1.50E-03	2.77E-03	1.33E+00	1.61E+00	9.97E+00	1.36E-01	9.48E-02	1.18E+01
504	490063.71	3861100.05	8.24594	12.4717	0.6919	1.307	1.35E+00	9.67E+00	1.34E-01	9.62E-02	1.13E+01	1.33E+00	4.19E-04	1.47E-03	2.81E-03	1.33E+00	1.61E+00	9.67E+00	1.34E-01	9.62E-02	1.15E+01
505	489713.71	3861150.05	8.06554	14.1738	0.8383	1.43963	1.32E+00	1.10E+01	1.63E-01	1.06E-01	1.26E+01	1.30E+00	4.76E-04	1.78E-03	3.10E-03	1.30E+00	1.58E+00	1.10E+01	1.63E-01	1.06E-01	1.28E+01
506	489763.71	3861150.05	7.81382	14.1031	0.7843	1.43276	1.28E+00	1.09E+01	1.52E-01	1.05E-01	1.25E+01	1.26E+00	4.74E-04	1.67E-03	3.08E-03	1.26E+00	1.53E+00	1.09E+01	1.52E-01	1.05E-01	1.27E+01
507	489813.71	3861150.05	8.07679	13.9839	0.7526	1.47206	1.32E+00	1.08E+01	1.46E-01	1.08E-01	1.24E+01	1.30E+00	4.70E-04	1.60E-03	3.17E-03	1.31E+00	1.58E+00	1.08E+01	1.46E-01	1.08E-01	1.27E+01
508	489863.71	3861150.05	8.24009	13.512	0.7502	1.36007	1.35E+00	1.05E+01	1.45E-01	1.00E-01	1.21E+01	1.33E+00	4.54E-04	1.60E-03	2.93E-03	1.33E+00	1.61E+00	1.05E+01	1.45E-01	1.00E-01	1.23E+01
509	489913.71	3861150.05	7.91075	13.2929	0.7454	1.30123	1.29E+00	1.03E+01	1.45E-01	9.58E-02	1.18E+01	1.27E+00	4.47E-04	1.58E-03	2.80E-03	1.28E+00	1.55E+00	1.03E+01	1.45E-01	9.58E-02	1.21E+01
510	489963.71	3861150.05	7.96919	13.048	0.7349	1.22521	1.30E+00	1.01E+01	1.43E-01	9.02E-02	1.17E+01	1.28E+00	4.38E-04	1.56E-03	2.64E-03	1.29E+00	1.56E+00	1.01E+01	1.43E-01	9.02E-02	1.19E+01
511	490013.71	3861150.05	8.02525	12.7243	0.7067	1.22398	1.31E+00	9.87E+00	1.37E-01	9.01E-02	1.14E+01	1.29E+00	4.27E-04	1.50E-03	2.63E-03	1.30E+00	1.57E+00	9.87E+00	1.37E-01	9.01E-02	1.17E+01
512	490063.71	3861150.05	8.09967	12.5047	0.6854	1.24187	1.32E+00	9.70E+00	1.33E-01	9.14E-02	1.12E+01	1.31E+00	4.20E-04	1.46E-03	2.67E-03	1.31E+00	1.58E+00	9.70E+00	1.33E-01	9.14E-02	1.15E+01
513	489613.71	3861200.05	7.81756	13.7268	0.729	1.44535	1.28E+00	1.06E+01	1.41E-01	1.06E-01	1.22E+01	1.26E+00	4.61E-04	1.55E-03	3.11E-03	1.26E+00	1.53E+00	1.06E+01	1.41E-01	1.06E-01	1.24E+01
514	489663.71	3861200.05	8.06844	13.5014	0.7481	1.38927	1.32E+00	1.05E+01	1.45E-01	1.02E-01	1.20E+01	1.30E+00	4.54E-04	1.59E-03	2.99E-03	1.31E+00	1.58E+00	1.05E+01	1.45E-01	1.02E-01	1.23E+01
515	489713.71	3861200.05	8.09353	13.6094	0.8008	1.41379	1.32E+00	1.06E+01	1.55E-01	1.04E-01	1.21E+01	1.30E+00	4.57E-04	1.70E-03	3.04E-03	1.31E+00	1.58E+00	1.06E+01	1.55E-01	1.04E-01	1.24E+01
516	489763.71	3861200.05	7.89469	13.762	0.8097	1.39121	1.29E+00	1.07E+01	1.57E-01	1.02E-01	1.22E+01	1.27E+00	4.62E-04	1.72E-03	2.99E-03	1.28E+00	1.54E+00	1.07E+01	1.57E-01	1.02E-01	1.25E+01
517	489813.71	3861200.05	7.66543	13.6427	0.7438	1.39488	1.25E+00	1.06E+01	1.44E-01	1.03E-01	1.21E+01	1.24E+00	4.58E-04	1.58E-03	3.00E-03	1.24E+00	1.50E+00	1.06E+01	1.44E-01	1.03E-01	1.23E+01
518	489863.71	3861200.05	8.04088	13.6118	0.7365	1.41388	1.32E+00	1.06E+01	1.43E-01	1.04E-01	1.21E+01	1.30E+00	4.57E-04	1.57E-03	3.04E-03	1.30E+00	1.57E+00	1.06E+01	1.43E-01	1.04E-01	1.24E+01
519	489913.71	3861200.05	8.02483	13.1158	0.7375	1.31372	1.31E+00	1.02E+01	1.43E-01	9.67E-02	1.17E+01	1.29E+00	4.41E-04	1.57E-03	2.83E-03	1.30E+00	1.57E+00	1.02E+01	1.43E-01	9.67E-02	1.20E+01
520	489963.71	3861200.05	7.77271	12.8904	0.7325	1.25959	1.27E+00	1.00E+01	1.42E-01	9.27E-02	1.15E+01	1.25E+00	4.33E-04	1.56E-03	2.71E-03	1.26E+00	1.52E+00	1.00E+01	1.42E-01	9.27E-02	1.18E+01
521	490013.71	3861200.05	7.87895	12.6568	0.712	1.19997	1.29E+00	9.82E+00	1.38E-01	8.83E-02	1.13E+01	1.27E+00	4.25E-04	1.51E-03	2.58E-03	1.27E+00	1.54E+00	9.82E+00	1.38E-01	8.83E-02	1.16E+01
522	490063.71	3861200.05	7.92254	12.4169	0.6852	1.16511	1.30E+00	9.63E+00	1.33E-01	8.58E-02	1.11E+01	1.28E+00	4.17E-04	1.46E-03	2.51E-03	1.28E+00	1.55E+00	9.63E+00	1.33E-01	8.58E-02	1.14E+01
523	489513.71	3861250.05	7.73531	13.5133	0.6163	1.54526	1.27E+00	1.05E+01	1.20E-01	1.14E-01	1.20E+01	1.25E+00	4.54E-04	1.31E-03	3.33E-03	1.25E+00	1.51E+00	1.05E+01	1.20E-01	1.14E-01	1.22E+01
524	489563.71	3861250.05	7.73926	13.7166	0.6662	1.46084	1.27E+00	1.06E+01	1.29E-01	1.08E-01	1.21E+01	1.25E+00	4.61E-04	1.42E-03	3.14E-03	1.25E+00	1.51E+00	1.06E+01	1.29E-01	1.08E-01	1.24E+01
525	489613.71	3861250.05	7.63917	13.5776	0.6978	1.43896	1.25E+00	1.05E+01	1.35E-01	1.06E-01	1.20E+01	1.23E+00	4.56E-04	1.48E-03	3.10E-03	1.24E+00	1.49E+00	1.05E+01	1.35E-01	1.06E-01	1.23E+01
526	489663.71	3861250.05	7.77848	13.4033	0.7167	1.38582	1.27E+00	1.04E+01	1.39E-01	1.02E-01	1.19E+01	1.25E+00	4.50E-04	1.52E-03	2.98E-03	1.26E+00	1.52E+00	1.04E+01	1.39E-01	1.02E-01	1.22E+01
527	489713.71	3861250.05	8.00337	13.2119	0.7515	1.34747	1.31E+00	1.02E+01	1.46E-01	9.92E-02	1.18E+01	1.29E+00	4.44E-04	1.60E-03	2.90E-03	1.29E+00	1.57E+00	1.02E+01	1.46E-01	9.92E-02	1.21E+01
528	489763.71	3861250.05	8.00935	13.1886	0.802	1.37267	1.31E+00	1.02E+01	1.56E-01	1.01E-01	1.18E+01	1.29E+00	4.43E-04	1.71E-03	2.96E-03	1.30E+00	1.57E+00	1.02E+01	1.56E-01	1.01E-01	1.21E+01
529	489813.71	3861250.05	7.69849	13.2949	0.7587	1.35093	1.26E+00	1.03E+01	1.47E-01	9.95E-02	1.18E+01	1.24E+00	4.47E-04	1.61E-03	2.91E-03	1.25E+00	1.51E+00	1.03E+01	1.47E-01	9.95E-02	1.21E+01
530	489863.71	3861250.05	7.59992	13.2189	0.717	1.35309	1.24E+00	1.03E+01	1.39E-01	9.96E-02	1.17E+01	1.22E+00	4.44E-04	1.52E-03	2.91E-03	1.23E+00	1.49E+00	1.03E+01	1.39E-01	9.96E-02	1.20E+01
531	489913.71	3861250.05	8.00687	13.2062	0.7296	1.33862	1.31E+00	1.02E+01	1.41E-01	9.86E-02	1.18E+01	1.29E+00	4.44E-04	1.55E-03	2.88E-03	1.30E+00	1.57E+00	1.02E+01	1.41E-01	9.86E-02	1.21E+01
532	489963.71	3861250.05	7.82466	12.8169	0.7251	1.26209	1.28E+00	9.94E+00	1.41E-01	9.29E-02	1.15E+01	1.26E+00	4.31E-04	1.54E-03	2.72E-03	1.27E+00	1.53E+00	9.94E+00	1.41E-01	9.29E-02	1.17E+01
533	490013.71	3861250.05	7.64416	12.575	0.7173	1.20945	1.25E+00	9.75E+00	1.39E-01	8.90E-02	1.12E+01	1.23E+00	4.22E-04	1.53E-03	2.60E-03	1.24E+00	1.50E+00	9.75E+00	1.39E-01	8.90E-02	1.15E+01
534	490063.71	3861250.05	7.79345	12.3173	0.6899	1.15956	1.27E+00	9.55E+00	1.34E-01	8.54E-02	1.10E+01	1.26E+00	4.14E-04	1.47E-03	2.50E-03	1.26E+00	1.53E+00	9.56E+00	1.34E-01	8.54E-02	1.13E+01
535	489528.13	3861308.47	7.71553	12.9682	0.6061	1.38322	1.26E+00	1.01E+01	1.18E-01	1.02E-01	1.15E+01	1.24E+00	4.36E-04	1.29E-03	2.98E-03	1.25E+00	1.51E+00	1.01E+01	1.18E-01	1.02E-01	1.18E+01
536	489578.13	3861308.47	7.55713	13.1118	0.6421	1.46733	1.24E+00	1.02E+01	1.25E-01	1.08E-01	1.16E+01	1.22E+00	4.40E-04	1.37E-03	3.16E-03	1.22E+00	1.48E+00	1.02E+01	1.25E-01	1.08E-01	1.19E+01
537	489628.13	3861308.47	7.46988	13.3059	0.6699	1.39026	1.22E+00	1.03E+01	1.30E-01	1.02E-01	1.18E+01	1.20E+00	4.47E-04	1.42E-03	2.99E-03	1.21E+00	1.46E+00	1.03E+01	1.30E-01	1.02E-01	1.20E+01
538	489678.13	3861308.47	7.60191	13.1639	0.7061	1.36577	1.24E+00	1.02E+01	1.37E-01	1.01E-01	1.17E+01	1.22E+00	4.42E-04	1.50E-03	2.94E-03	1.23E+00	1.49E+00	1.02E+01	1.37E-01	1.01E-01	1.19E+01
539	489728.13	3861308.47	7.77373	13.0295	0.7226	1.32147	1.27E+00	1.01E+01	1.40E-01	9.73E-02	1.16E+01	1.25E+00	4.38E-04	1.54E-03	2.84E-03	1.26E+00	1.52E+00	1.01E+01	1.40E-01	9.73E-02	1.19E+01
540	489778.13	3861308.47	7.88817	12.85	0.7721	1.29956	1.29E+00	9.97E+00	1.50E-01	9.57E-02	1.15E+01	1.27E+00	4.32E-04	1.64E-03	2.80E-03	1.28E+00	1.54E+00	9.97E+00	1.50E-01	9.57E-02	1.18E+01
541	489678.13	3861358.47	7.35179	12.9951	0.6922	1.33656	1.20E+00	1.01E+01	1.34E-01	9.84E-02	1.15E+01	1.18E+00	4.37E-04	1.47E-03	2.88E-03	1.19E+00	1.44E+00	1.01E+01	1.34E-01	9.84E-02	1.18E+01
542	489728.13	3861358.47	7.50406	12.8524	0.6944	1.30916	1.23E+00	9.97E+00	1.35E-01	9.64E-02	1.14E+01	1.21E+00	4.32E-04	1.48E-03	2.82E-03	1.21E+00	1.47E+00	9.97E+00	1.35E-01	9.64E-02	1.17E+01
543	489528.13	3861408.47	7.94965	12.4958	0.5814	1.16281	1.30E+00	9.69E+00	1.13E-01	8.56E-02	1.12E+01	1.28E+00	4.20E-04	1.24E-03	2.50E-03	1.29E+00	1.56E+00	9.69E+00	1.13E-01	8.56E-02	1.14E+01
544	489578.13	3861408.47	7.57183	12.38	0.5994	1.20713	1.24E+00	9.60E+00	1.16E-01	8.89E-02	1.10E+01	1.22E+00	4.16E-04	1.27E-03	2.60E-03	1.22E+00	1.48E+00	9.60E+00	1.16E-01	8.89E-02	1.13E+01
545	489628.13	3861408.47	7.41348	12.4538	0.6208	1.24743	1.21E+00	9.66E+00	1.20E-01	9.18E-02	1.11E+01	1.19E+00	4.18E-04	1.32E-03	2.69E-03	1.20E+00	1.45E+00	9.66E+00	1.20E-01	9.18E-02	1.13E+01

546	489678.13	3861408.47	7.38724	12.511	0.6505	1.32463	1.21E+00	9.70E+00	1.26E-01	9.75E-02	1.11E+01	1.19E+00	4.20E-04	1.38E-03	2.85E-03	1.19E+00	1.45E+00	9.71E+00	1.26E-01	9.75E-02	1.14E+01
547	489728.13	3861408.47	7.29096	12.6601	0.6865	1.28441	1.19E+00	9.82E+00	1.33E-01	9.46E-02	1.12E+01	1.17E+00	4.25E-04	1.46E-03	2.77E-03	1.18E+00	1.43E+00	9.82E+00	1.33E-01	9.46E-02	1.15E+01
548	489528.13	3861458.47	7.91166	12.3463	0.5652	1.07856	1.29E+00	9.58E+00	1.10E-01	7.94E-02	1.11E+01	1.27E+00	4.15E-04	1.20E-03	2.32E-03	1.28E+00	1.55E+00	9.58E+00	1.10E-01	7.94E-02	1.13E+01
549	489578.13	3861458.47	7.7248	12.2472	0.5838	1.11379	1.26E+00	9.50E+00	1.13E-01	8.20E-02	1.10E+01	1.24E+00	4.11E-04	1.24E-03	2.40E-03	1.25E+00	1.51E+00	9.50E+00	1.13E-01	8.20E-02	1.12E+01
550	489628.13	3861458.47	7.41574	12.1488	0.5977	1.1606	1.21E+00	9.42E+00	1.16E-01	8.54E-02	1.08E+01	1.19E+00	4.08E-04	1.27E-03	2.50E-03	1.20E+00	1.45E+00	9.42E+00	1.16E-01	8.54E-02	1.11E+01
551	489678.13	3861458.47	7.24701	12.1926	0.6251	1.19572	1.19E+00	9.46E+00	1.21E-01	8.80E-02	1.09E+01	1.17E+00	4.10E-04	1.33E-03	2.57E-03	1.17E+00	1.42E+00	9.46E+00	1.21E-01	8.80E-02	1.11E+01
552	489728.13	3861458.47	7.18404	12.1765	0.6755	1.25389	1.18E+00	9.45E+00	1.31E-01	9.23E-02	1.08E+01	1.16E+00	4.09E-04	1.44E-03	2.70E-03	1.16E+00	1.41E+00	9.45E+00	1.31E-01	9.23E-02	1.11E+01
553	489528.13	3861508.47	7.82126	12.1099	0.5541	0.99446	1.28E+00	9.39E+00	1.07E-01	7.32E-02	1.09E+01	1.26E+00	4.07E-04	1.18E-03	2.14E-03	1.26E+00	1.53E+00	9.39E+00	1.07E-01	7.32E-02	1.11E+01
554	489578.13	3861508.47	7.81716	12.0689	0.5741	1.03833	1.28E+00	9.36E+00	1.11E-01	7.64E-02	1.08E+01	1.26E+00	4.05E-04	1.22E-03	2.24E-03	1.26E+00	1.53E+00	9.36E+00	1.11E-01	7.64E-02	1.11E+01
555	489628.13	3861508.47	7.46164	11.953	0.591	1.0673	1.22E+00	9.27E+00	1.15E-01	7.86E-02	1.07E+01	1.20E+00	4.02E-04	1.26E-03	2.30E-03	1.21E+00	1.46E+00	9.27E+00	1.15E-01	7.86E-02	1.09E+01
556	489678.13	3861508.47	7.25583	11.8875	0.5996	1.11542	1.19E+00	9.22E+00	1.16E-01	8.21E-02	1.06E+01	1.17E+00	3.99E-04	1.27E-03	2.40E-03	1.17E+00	1.42E+00	9.22E+00	1.16E-01	8.21E-02	1.08E+01
557	489728.13	3861508.47	7.12822	11.9342	0.6309	1.14918	1.17E+00	9.26E+00	1.22E-01	8.46E-02	1.06E+01	1.15E+00	4.01E-04	1.34E-03	2.47E-03	1.15E+00	1.39E+00	9.26E+00	1.22E-01	8.46E-02	1.09E+01
558	489628.13	3861558.47	7.65797	11.8117	0.5789	1.00335	1.25E+00	9.16E+00	1.12E-01	7.39E-02	1.06E+01	1.23E+00	3.97E-04	1.23E-03	2.16E-03	1.24E+00	1.50E+00	9.16E+00	1.12E-01	7.39E-02	1.08E+01
559	489678.13	3861558.47	7.28346	11.7249	0.5826	1.03189	1.19E+00	9.09E+00	1.13E-01	7.60E-02	1.05E+01	1.17E+00	3.94E-04	1.24E-03	2.22E-03	1.18E+00	1.43E+00	9.10E+00	1.13E-01	7.60E-02	1.07E+01
560	489728.13	3861558.47	7.13287	11.6863	0.6044	1.07173	1.17E+00	9.07E+00	1.17E-01	7.89E-02	1.04E+01	1.15E+00	3.93E-04	1.29E-03	2.31E-03	1.15E+00	1.40E+00	9.07E+00	1.17E-01	7.89E-02	1.07E+01
561	489357.08	3861015.81	8.28623	15.7272	0.6552	1.79562	1.36E+00	1.22E+01	1.27E-01	1.32E-01	1.38E+01	1.34E+00	5.28E-04	1.39E-03	3.87E-03	1.34E+00	1.62E+00	1.22E+01	1.27E-01	1.32E-01	1.41E+01
562	489407.08	3861015.81	8.29038	15.4595	0.6793	1.75107	1.36E+00	1.20E+01	1.32E-01	1.29E-01	1.36E+01	1.34E+00	5.19E-04	1.44E-03	3.77E-03	1.34E+00	1.62E+00	1.20E+01	1.32E-01	1.29E-01	1.39E+01
563	489457.08	3861015.81	8.24786	15.2322	0.7407	1.62512	1.35E+00	1.18E+01	1.44E-01	1.20E-01	1.34E+01	1.33E+00	5.12E-04	1.57E-03	3.50E-03	1.33E+00	1.61E+00	1.18E+01	1.44E-01	1.20E-01	1.37E+01
564	489357.08	3861065.81	8.31294	15.242	0.6359	1.83982	1.36E+00	1.18E+01	1.23E-01	1.35E-01	1.34E+01	1.34E+00	5.12E-04	1.35E-03	3.96E-03	1.35E+00	1.63E+00	1.18E+01	1.23E-01	1.35E-01	1.37E+01
565	489407.08	3861065.81	8.17292	15.2301	0.6519	1.71823	1.34E+00	1.18E+01	1.26E-01	1.27E-01	1.34E+01	1.32E+00	5.12E-04	1.39E-03	3.70E-03	1.32E+00	1.60E+00	1.18E+01	1.26E-01	1.27E-01	1.37E+01
566	489457.08	3861065.81	8.07176	14.9816	0.6919	1.6798	1.32E+00	1.16E+01	1.34E-01	1.24E-01	1.32E+01	1.30E+00	5.03E-04	1.47E-03	3.62E-03	1.31E+00	1.58E+00	1.16E+01	1.34E-01	1.24E-01	1.35E+01
567	489357.08	3861115.81	8.36387	14.6619	0.6288	1.75553	1.37E+00	1.14E+01	1.22E-01	1.29E-01	1.30E+01	1.35E+00	4.93E-04	1.34E-03	3.78E-03	1.35E+00	1.64E+00	1.14E+01	1.22E-01	1.29E-01	1.33E+01
568	489407.08	3861115.81	8.1393	14.8141	0.6444	1.75698	1.33E+00	1.15E+01	1.25E-01	1.29E-01	1.31E+01	1.31E+00	4.98E-04	1.37E-03	3.78E-03	1.32E+00	1.59E+00	1.15E+01	1.25E-01	1.29E-01	1.33E+01
569	489457.08	3861115.81	8.0951	14.7957	0.654	1.64096	1.32E+00	1.15E+01	1.27E-01	1.21E-01	1.30E+01	1.30E+00	4.97E-04	1.39E-03	3.53E-03	1.31E+00	1.58E+00	1.15E+01	1.27E-01	1.21E-01	1.33E+01
570	489407.08	3861165.81	8.23691	14.2303	0.6162	1.6736	1.35E+00	1.10E+01	1.19E-01	1.23E-01	1.26E+01	1.33E+00	4.78E-04	1.31E-03	3.60E-03	1.33E+00	1.61E+00	1.10E+01	1.19E-01	1.23E-01	1.29E+01
571	489457.08	3861165.81	7.97467	14.4207	0.6333	1.65967	1.30E+00	1.12E+01	1.23E-01	1.22E-01	1.27E+01	1.28E+00	4.84E-04	1.35E-03	3.57E-03	1.29E+00	1.56E+00	1.12E+01	1.23E-01	1.22E-01	1.30E+01
572	489407.08	3861215.81	8.33918	13.6507	0.6084	1.49114	1.36E+00	1.06E+01	1.18E-01	1.10E-01	1.22E+01	1.34E+00	4.59E-04	1.29E-03	3.21E-03	1.35E+00	1.63E+00	1.06E+01	1.18E-01	1.10E-01	1.24E+01
573	489457.08	3861215.81	7.94888	13.7123	0.6247	1.57308	1.30E+00	1.06E+01	1.21E-01	1.16E-01	1.22E+01	1.28E+00	4.61E-04	1.33E-03	3.39E-03	1.29E+00	1.56E+00	1.06E+01	1.21E-01	1.16E-01	1.24E+01
574	489407.08	3861265.81	8.33932	13.3654	0.5945	1.33835	1.36E+00	1.04E+01	1.15E-01	9.85E-02	1.19E+01	1.34E+00	4.49E-04	1.26E-03	2.88E-03	1.35E+00	1.63E+00	1.04E+01	1.15E-01	9.85E-02	1.22E+01
575	489457.08	3861265.81	7.99278	13.195	0.5954	1.40311	1.31E+00	1.02E+01	1.15E-01	1.03E-01	1.18E+01	1.29E+00	4.43E-04	1.27E-03	3.02E-03	1.29E+00	1.56E+00	1.02E+01	1.15E-01	1.03E-01	1.20E+01
576	489309.86	3861110.14	8.7602	14.5627	0.6067	1.70694	1.43E+00	1.13E+01	1.18E-01	1.26E-01	1.30E+01	1.41E+00	4.89E-04	1.29E-03	3.67E-03	1.42E+00	1.71E+00	1.13E+01	1.18E-01	1.26E-01	1.33E+01
577	489407.08	3861315.81	8.16375	13.1543	0.5736	1.23343	1.34E+00	1.02E+01	1.11E-01	9.08E-02	1.17E+01	1.32E+00	4.42E-04	1.22E-03	2.66E-03	1.32E+00	1.60E+00	1.02E+01	1.11E-01	9.08E-02	1.20E+01
578	489457.08	3861315.81	8.19078	13.0328	0.589	1.28108	1.34E+00	1.01E+01	1.14E-01	9.43E-02	1.17E+01	1.32E+00	4.38E-04	1.25E-03	2.76E-03	1.32E+00	1.60E+00	1.01E+01	1.14E-01	9.43E-02	1.19E+01
579	488906.03	3861006.75	8.6349	15.8998	0.6196	1.51446	1.41E+00	1.23E+01	1.20E-01	1.12E-01	1.40E+01	1.39E+00	5.34E-04	1.32E-03	3.26E-03	1.40E+00	1.69E+00	1.23E+01	1.20E-01	1.12E-01	1.43E+01
580	488956.03	3861006.75	8.74376	16.0711	0.6185	1.50373	1.43E+00	1.25E+01	1.20E-01	1.11E-01	1.41E+01	1.41E+00	5.40E-04	1.31E-03	3.24E-03	1.41E+00	1.71E+00	1.25E+01	1.20E-01	1.11E-01	1.44E+01
581	488904.24	3861051.87	8.61914	15.48	0.6225	1.42947	1.41E+00	1.20E+01	1.21E-01	1.05E-01	1.36E+01	1.39E+00	5.20E-04	1.32E-03	3.08E-03	1.39E+00	1.69E+00	1.20E+01	1.21E-01	1.05E-01	1.39E+01
582	488954.24	3861051.87	8.63461	15.5371	0.6135	1.40058	1.41E+00	1.21E+01	1.19E-01	1.03E-01	1.37E+01	1.39E+00	5.22E-04	1.30E-03	3.02E-03	1.40E+00	1.69E+00	1.21E+01	1.19E-01	1.03E-01	1.40E+01
583	489004.24	3861051.87	8.79877	15.6563	0.6129	1.43746	1.44E+00	1.21E+01	1.19E-01	1.06E-01	1.38E+01	1.42E+00	5.26E-04	1.30E-03	3.09E-03	1.42E+00	1.72E+00	1.21E+01	1.19E-01	1.06E-01	1.41E+01
584	488804.24	3861101.87	8.03905	14.8145	0.6398	1.26395	1.31E+00	1.15E+01	1.24E-01	9.31E-02	1.30E+01	1.30E+00	4.98E-04	1.36E-03	2.72E-03	1.30E+00	1.57E+00	1.15E+01	1.24E-01	9.31E-02	1.33E+01
585	488854.24	3861101.87	8.15676	14.7419	0.6465	1.27272	1.33E+00	1.14E+01	1.25E-01	9.37E-02	1.30E+01	1.31E+00	4.95E-04	1.37E-03	2.74E-03	1.32E+00	1.60E+00	1.14E+01	1.25E-01	9.37E-02	1.33E+01
586	488904.24	3861101.87	8.26899	14.6542	0.6231	1.26382	1.35E+00	1.14E+01	1.21E-01	9.30E-02	1.29E+01	1.33E+00	4.92E-04	1.32E-03	2.72E-03	1.34E+00	1.62E+00	1.14E+01	1.21E-01	9.30E-02	1.32E+01
587	488954.24	3861101.87	8.3744	14.736	0.601	1.33611	1.37E+00	1.14E+01	1.17E-01	9.84E-02	1.30E+01	1.35E+00	4.95E-04	1.28E-03	2.88E-03	1.35E+00	1.64E+00	1.14E+01	1.17E-01	9.84E-02	1.33E+01
588	489004.24	3861101.87	8.41147	14.8375	0.599	1.29796	1.38E+00	1.15E+01	1.16E-01	9.56E-02	1.31E+01	1.36E+00	4.98E-04	1.27E-03	2.79E-03	1.36E+00	1.65E+00	1.15E+01	1.16E-01	9.56E-02	1.34E+01
589	488804.24	3861151.87	7.78744	14.0577	0.6269	1.11551	1.27E+00	1.09E+01	1.22E-01	8.21E-02	1.24E+01	1.25E+00	4.72E-04	1.33E-03	2.40E-03	1.26E+00	1.52E+00	1.09E+01	1.22E-01	8.21E-02	1.26E+01
590	488854.24	3861151.87	7.87582	14.0205	0.6353	1.15196	1.29E+00	1.09E+01	1.23E-01	8.48E-02	1.24E+01	1.27E+00	4.71E-04	1.35E-03	2.48E-03	1.27E+00	1.54E+00	1.09E+01	1.23E-01	8.48E-02	1.26E+01
591	489129.49	3861187.55	8.33863	14.1046	0.5787	1.19575	1.36E+00	1.09E+01	1.12E-01	8.80E-02	1.25E+01	1.34E+00	4.74E-04	1.23E-03	2.57E-03	1.35E+00	1.63E+00	1.09E+01	1.12E-01	8.80E-02	1.28E+01
592	489179.49	3861187.55	8.22831	14.0144	0.5748	1.26508	1.35E+00	1.09E+01	1.11E-01	9.31E-02	1.24E+01	1.33E+00	4.71E-04	1.22E-03	2.72E-03	1.33E+00	1.61E+00	1.09E+01	1.11E-01	9.31E-02	1.27E+01
593	488804.24	3861201.87	7.58349	13.6363	0.6192	1.01858	1.24E+00	1.06E+01	1.20E-01	7.50E-02	1.20E+01	1.22E+00	4.58E-04	1.32E-03	2.19E-03	1.23E+00	1.48E+00	1.06E+01	1.20E-01	7.50E-02	1.23E+01
594	488854.24	3861201.87	7.66768	13.5639	0.6185	1.06847	1.25E+00	1.05E+01	1.20E-01	7.87E-02	1.20E+01	1.24E+00	4.56E-04	1.31E-03	2.30E-03	1.24E+00	1.50E+00	1.05E+01	1.20E-01	7.87E-02	1.22E+01
595	489129.49	3861237.55	8.18073	13.5403	0.5726	1.10958	1.34E+00	1.05E+01	1.11E-01	8.17E-02	1.20E+01	1.32E+00	4.55E-04	1.22E-03	2.39E-03	1.32E+00	1.60E+00	1.05E+01	1.11E-01	8.17E-02	1.23E+01
596	489179.49	3861237.55	8.16099	13.6863	0.5695	1.15393	1.33E+00	1.06E+01	1.10E-01	8.50E-02	1.21E+01	1.31E+00	4.60E-04	1.21E-03	2.48E-03	1.32E+00	1.60E+00	1.06E+01	1.10E-01	8.50E-02	1.24E+01
597	488804.24	3861251.87	7.45696	13.0568	0.6119	0.92586	1.22E+00	1.01E+01	1.19E-01	6.82E-02	1.15E+01	1.20E+00	4.39E-04	1.30E-03	1.99E-03	1.21E+00	1.46E+00	1.01E+01	1.19E-01	6.82E-02	1.18E+01
598	488854.24	3861251.87	7.53454	13.1894	0.6086	0.95357	1.23E+00	1.02E+01	1.18E-01	7.02E-02	1.17E+01	1.21E+00	4.43E-04	1.29E-03	2.05E-03	1.22E+00	1.47E+00	1.02E+01	1.18E-01	7.02E-02	1.19E+01
599	488804.24	3861301.87	7.34087	12.3818	0.6039	0.85964	1.20E+00	9.60E+00	1.17E-01	6.33E-02	1.10E+01	1.18E+00	4.16E-04	1.28E-03	1.85E-03	1.19E+00	1.44E+00	9.61E+00	1.17E-01	6.33E-02	1.12E+01
600	488854.24	3861301.87	7.33944	12.6384	0.6013	0.89903	1.20E+00	9.80E+00	1.17E-01	6.62E-02	1.12E+01	1.18E+00	4.25E-04	1.28E-03	1.94E-03	1.19E+00	1.44E+00	9.80E+00	1.17E-01	6.62E-02	1.14E+01
601	490943.5	3860181.97	8.60062	8.39917	2.5325	2.69687	1.41E+00	6.52E+00	4.91E-01	1.99E-01	8.61E+00	1.39E+00	2.82E-04	5.38E-03	5.81E-03	1.40E+00	1.68E+00	6.52E+00	4.91E-01	1.99E-01	8.89E+00
602	490993.5	3860181.97	8.42601	8.24967	2.5663	2.68626	1.38E+00	6.40E+00	4.98E-01	1.98E-01	8.47E+00	1.36E+00	2.77E-04	5.46E-03	5.78E-03	1.37E+00	1.65E+00	6.40E+00	4.98E-01	1.98E-01	8.74E+00
603	491043.5	3860181.97	8.09163	8.14262	2.5362	2.66859	1.32E+00	6.32E+00	4.92E-01	1.96E-01	8.33E+00	1.30E+00	2.74E-04	5.39E-03	5.74E-03	1.32E+00	1.58E+00	6.32E+00	4.92E-01	1.96E-01	8.59E+00
604	491093.5	3860181.97	8.0638	8.06125	2.5702	2.63184	1.32E+00	6.25E+00	4.98E-01	1.94E-01	8.26E+00	1.30E+00	2.71E-04	5.46E-03	5.67E-03	1.31E+00	1.58E+00	6.25E+00	4.98E-01	1.94E-01	8.52E+00
605	490943.5	3860231.97	8.58586	8.60212	2.2724	2.75011	1.40E+00	6.67E+00	4.41E-01	2.02E-01	8.72E+00	1.38E+00	2.89E-04	4.83E-03	5.92E-03	1.39E+00	1.68E+00	6.67E+00	4.41E-01	2.02E-01	9.00E+00
606	490993.5	3860231.97	8.48916	8.46399	2.4404	2.73992	1.39E+00	6.57E+00	4.73E-01	2.02E-01	8.63E+00	1.37E+00	2.84E-04	5.19E-03	5.90E-03	1.38E+00	1.66E+00	6.57E+00	4.73E-01	2.02E-01	8.90E+00

607	491043.5	3860231.97	8.38541	8.22434	2.4691	2.68851	1.37E+00	6.38E+00	4.79E-01	1.98E-01	8.43E+00	1.35E+00	2.76E-04	5.25E-03	5.79E-03	1.36E+00	1.64E+00	6.38E+00	4.79E-01	1.98E-01	8.70E+00
608	491093.5	3860231.97	7.99606	8.03012	2.477	2.64995	1.31E+00	6.23E+00	4.80E-01	1.95E-01	8.21E+00	1.29E+00	2.70E-04	5.27E-03	5.70E-03	1.30E+00	1.56E+00	6.23E+00	4.80E-01	1.95E-01	8.47E+00
609	490943.5	3860281.97	8.38964	8.69821	2.1212	2.69837	1.37E+00	6.75E+00	4.11E-01	1.99E-01	8.73E+00	1.35E+00	2.92E-04	4.51E-03	5.81E-03	1.36E+00	1.64E+00	6.75E+00	4.11E-01	1.99E-01	9.00E+00
610	490993.5	3860281.97	8.43957	8.5903	2.1649	2.70703	1.38E+00	6.66E+00	4.20E-01	1.99E-01	8.66E+00	1.36E+00	2.89E-04	4.60E-03	5.83E-03	1.37E+00	1.65E+00	6.66E+00	4.20E-01	1.99E-01	8.93E+00
611	491043.5	3860281.97	8.30066	8.39682	2.3204	2.68472	1.36E+00	6.51E+00	4.50E-01	1.98E-01	8.52E+00	1.34E+00	2.82E-04	4.93E-03	5.78E-03	1.35E+00	1.62E+00	6.51E+00	4.50E-01	1.98E-01	8.79E+00
612	491093.5	3860281.97	8.26482	8.24156	2.3749	2.65908	1.35E+00	6.39E+00	4.61E-01	1.96E-01	8.40E+00	1.33E+00	2.77E-04	5.05E-03	5.72E-03	1.34E+00	1.62E+00	6.39E+00	4.61E-01	1.96E-01	8.67E+00
613	490943.5	3860331.97	8.34765	8.66012	2.0485	2.66336	1.37E+00	6.72E+00	3.97E-01	1.96E-01	8.68E+00	1.35E+00	2.91E-04	4.36E-03	5.73E-03	1.36E+00	1.63E+00	6.72E+00	3.97E-01	1.96E-01	8.94E+00
614	490993.5	3860331.97	8.218	8.57247	2.0344	2.6249	1.34E+00	6.65E+00	3.94E-01	1.93E-01	8.58E+00	1.32E+00	2.88E-04	4.33E-03	5.65E-03	1.33E+00	1.61E+00	6.65E+00	3.94E-01	1.93E-01	8.85E+00
615	491043.5	3860331.97	8.28923	8.46083	2.077	2.60398	1.36E+00	6.56E+00	4.03E-01	1.92E-01	8.51E+00	1.34E+00	2.84E-04	4.42E-03	5.61E-03	1.35E+00	1.62E+00	6.56E+00	4.03E-01	1.92E-01	8.78E+00
616	491093.5	3860331.97	8.1316	8.34942	2.1872	2.58125	1.33E+00	6.48E+00	4.24E-01	1.90E-01	8.42E+00	1.31E+00	2.80E-04	4.65E-03	5.56E-03	1.32E+00	1.59E+00	6.48E+00	4.24E-01	1.90E-01	8.68E+00
617	490086.72	3859935.12	11.854	11.3518	2.1136	3.42795	1.94E+00	8.81E+00	4.10E-01	2.52E-01	1.14E+01	1.91E+00	3.81E-04	4.49E-03	7.38E-03	1.92E+00	2.32E+00	8.81E+00	4.10E-01	2.52E-01	1.18E+01
618	490136.72	3859935.12	11.9073	10.9986	2.292	3.38006	1.95E+00	8.53E+00	4.44E-01	2.49E-01	1.12E+01	1.92E+00	3.69E-04	4.87E-03	7.28E-03	1.93E+00	2.33E+00	8.53E+00	4.44E-01	2.49E-01	1.16E+01
619	490186.72	3859935.12	11.5917	10.8542	2.5871	3.33094	1.90E+00	8.42E+00	5.02E-01	2.45E-01	1.11E+01	1.87E+00	3.65E-04	5.50E-03	7.17E-03	1.88E+00	2.27E+00	8.42E+00	5.02E-01	2.45E-01	1.14E+01
620	490236.72	3859935.12	11.2414	10.6473	2.7977	3.26395	1.84E+00	8.26E+00	5.43E-01	2.40E-01	1.09E+01	1.81E+00	3.58E-04	5.95E-03	7.03E-03	1.82E+00	2.20E+00	8.26E+00	5.43E-01	2.40E-01	1.12E+01
621	490286.72	3859935.12	10.7891	10.4467	2.7717	3.1817	1.76E+00	8.10E+00	5.37E-01	2.34E-01	1.06E+01	1.74E+00	3.51E-04	5.89E-03	6.85E-03	1.75E+00	2.11E+00	8.10E+00	5.37E-01	2.34E-01	1.10E+01
622	490336.72	3859935.12	10.5887	10.2206	2.6378	3.11242	1.73E+00	7.93E+00	5.11E-01	2.29E-01	1.04E+01	1.71E+00	3.43E-04	5.61E-03	6.70E-03	1.72E+00	2.07E+00	7.93E+00	5.11E-01	2.29E-01	1.07E+01
623	490386.72	3859935.12	10.1729	10.0097	2.6626	3.05956	1.66E+00	7.76E+00	5.16E-01	2.25E-01	1.02E+01	1.64E+00	3.36E-04	5.66E-03	6.59E-03	1.65E+00	1.99E+00	7.76E+00	5.16E-01	2.25E-01	1.05E+01
624	490436.72	3859935.12	9.81222	9.78035	2.7618	3.01531	1.60E+00	7.59E+00	5.36E-01	2.22E-01	9.95E+00	1.58E+00	3.29E-04	5.87E-03	6.49E-03	1.59E+00	1.92E+00	7.59E+00	5.36E-01	2.22E-01	1.03E+01
625	490486.72	3859935.12	9.56063	9.62003	2.7616	2.95931	1.56E+00	7.46E+00	5.35E-01	2.18E-01	9.78E+00	1.54E+00	3.23E-04	5.87E-03	6.37E-03	1.55E+00	1.87E+00	7.46E+00	5.35E-01	2.18E-01	1.01E+01
626	490536.72	3859935.12	9.5609	9.36715	2.8294	2.9363	1.56E+00	7.27E+00	5.49E-01	2.16E-01	9.59E+00	1.54E+00	3.15E-04	6.02E-03	6.32E-03	1.55E+00	1.87E+00	7.27E+00	5.49E-01	2.16E-01	9.90E+00
627	490586.72	3859935.12	9.53991	9.17438	2.9577	2.89752	1.56E+00	7.12E+00	5.74E-01	2.13E-01	9.46E+00	1.54E+00	3.08E-04	6.29E-03	6.24E-03	1.55E+00	1.87E+00	7.12E+00	5.74E-01	2.13E-01	9.77E+00
628	490636.72	3859935.12	9.53469	9.01818	2.9558	2.8757	1.56E+00	7.00E+00	5.73E-01	2.12E-01	9.34E+00	1.54E+00	3.03E-04	6.28E-03	6.19E-03	1.55E+00	1.87E+00	7.00E+00	5.73E-01	2.12E-01	9.65E+00
629	490686.72	3859935.12	9.32629	8.80291	2.9543	2.82682	1.53E+00	6.83E+00	5.73E-01	2.08E-01	9.13E+00	1.50E+00	2.96E-04	6.28E-03	6.09E-03	1.52E+00	1.82E+00	6.83E+00	5.73E-01	2.08E-01	9.43E+00
630	490736.72	3859935.12	8.97554	8.53108	2.9102	2.78678	1.47E+00	6.62E+00	5.64E-01	2.05E-01	8.86E+00	1.45E+00	2.87E-04	6.19E-03	6.00E-03	1.46E+00	1.76E+00	6.62E+00	5.64E-01	2.05E-01	9.14E+00
631	490086.72	3859985.12	11.6276	11.3348	2.2493	3.43413	1.90E+00	8.79E+00	4.36E-01	2.53E-01	1.14E+01	1.87E+00	3.81E-04	4.78E-03	7.39E-03	1.89E+00	2.28E+00	8.79E+00	4.36E-01	2.53E-01	1.18E+01
632	490136.72	3859985.12	11.6767	11.1174	2.0241	3.35705	1.91E+00	8.62E+00	3.92E-01	2.47E-01	1.12E+01	1.88E+00	3.73E-04	4.30E-03	7.23E-03	1.89E+00	2.28E+00	8.62E+00	3.92E-01	2.47E-01	1.15E+01
633	490186.72	3859985.12	11.7549	10.9473	2.2214	3.27093	1.92E+00	8.49E+00	4.31E-01	2.41E-01	1.11E+01	1.89E+00	3.68E-04	4.72E-03	7.04E-03	1.91E+00	2.30E+00	8.49E+00	4.31E-01	2.41E-01	1.15E+01
634	490236.72	3859985.12	11.4539	10.6657	2.4672	3.21766	1.87E+00	8.27E+00	4.78E-01	2.37E-01	1.09E+01	1.85E+00	3.58E-04	5.25E-03	6.93E-03	1.86E+00	2.24E+00	8.27E+00	4.78E-01	2.37E-01	1.12E+01
635	490286.72	3859985.12	11.127	10.5057	2.6917	3.18447	1.82E+00	8.15E+00	5.22E-01	2.34E-01	1.07E+01	1.79E+00	3.53E-04	5.72E-03	6.86E-03	1.81E+00	2.18E+00	8.15E+00	5.22E-01	2.34E-01	1.11E+01
636	490336.72	3859985.12	10.7143	10.2807	2.6735	3.16029	1.75E+00	7.97E+00	5.18E-01	2.33E-01	1.05E+01	1.73E+00	3.45E-04	5.68E-03	6.80E-03	1.74E+00	2.10E+00	7.98E+00	5.18E-01	2.33E-01	1.08E+01
637	490386.72	3859985.12	10.4284	10.1116	2.5449	3.13629	1.71E+00	7.84E+00	4.93E-01	2.31E-01	1.03E+01	1.68E+00	3.40E-04	5.41E-03	6.75E-03	1.69E+00	2.04E+00	7.84E+00	4.93E-01	2.31E-01	1.06E+01
638	490436.72	3859985.12	10.0382	9.8936	2.5702	3.1064	1.64E+00	7.67E+00	4.98E-01	2.29E-01	1.00E+01	1.62E+00	3.32E-04	5.46E-03	6.69E-03	1.63E+00	1.96E+00	7.67E+00	4.98E-01	2.29E-01	1.04E+01
639	490486.72	3859985.12	9.6989	9.73207	2.6255	3.06414	1.59E+00	7.55E+00	5.09E-01	2.26E-01	9.87E+00	1.56E+00	3.27E-04	5.58E-03	6.60E-03	1.58E+00	1.90E+00	7.55E+00	5.09E-01	2.26E-01	1.02E+01
640	490536.72	3859985.12	9.48823	9.47997	2.6298	3.0287	1.55E+00	7.35E+00	5.10E-01	2.23E-01	9.64E+00	1.53E+00	3.18E-04	5.59E-03	6.52E-03	1.54E+00	1.86E+00	7.35E+00	5.10E-01	2.23E-01	9.94E+00
641	490586.72	3859985.12	9.35496	9.3197	2.6974	2.98482	1.53E+00	7.23E+00	5.23E-01	2.20E-01	9.50E+00	1.51E+00	3.13E-04	5.74E-03	6.43E-03	1.52E+00	1.83E+00	7.23E+00	5.23E-01	2.20E-01	9.80E+00
642	490636.72	3859985.12	9.37416	9.09035	2.7946	2.94171	1.53E+00	7.05E+00	5.42E-01	2.17E-01	9.34E+00	1.51E+00	3.05E-04	5.94E-03	6.33E-03	1.52E+00	1.83E+00	7.05E+00	5.42E-01	2.17E-01	9.64E+00
643	490686.72	3859985.12	9.40945	8.96644	2.98	2.88787	1.54E+00	6.96E+00	5.78E-01	2.13E-01	9.28E+00	1.52E+00	3.01E-04	6.34E-03	6.22E-03	1.53E+00	1.84E+00	6.96E+00	5.78E-01	2.13E-01	9.59E+00
644	490736.72	3859985.12	9.28083	8.82649	2.8413	2.85269	1.52E+00	6.85E+00	5.51E-01	2.10E-01	9.13E+00	1.50E+00	2.96E-04	6.04E-03	6.14E-03	1.51E+00	1.82E+00	6.85E+00	5.51E-01	2.10E-01	9.42E+00
645	490786.72	3859985.12	8.88744	8.61552	2.8388	2.795	1.45E+00	6.68E+00	5.50E-01	2.06E-01	8.89E+00	1.43E+00	2.89E-04	6.04E-03	6.02E-03	1.44E+00	1.74E+00	6.68E+00	5.50E-01	2.06E-01	9.18E+00
646	490086.72	3860035.12	11.8167	11.527	2.3209	3.29503	1.93E+00	8.94E+00	4.50E-01	2.43E-01	1.16E+01	1.90E+00	3.87E-04	4.93E-03	7.09E-03	1.92E+00	2.31E+00	8.94E+00	4.50E-01	2.43E-01	1.19E+01
647	490136.72	3860035.12	11.4338	11.2221	2.1832	3.25067	1.87E+00	8.71E+00	4.23E-01	2.39E-01	1.12E+01	1.84E+00	3.77E-04	4.64E-03	7.00E-03	1.85E+00	2.24E+00	8.71E+00	4.23E-01	2.39E-01	1.16E+01
648	490186.72	3860035.12	11.4913	10.994	1.9437	3.22107	1.88E+00	8.53E+00	3.77E-01	2.37E-01	1.10E+01	1.85E+00	3.69E-04	4.13E-03	6.93E-03	1.86E+00	2.25E+00	8.53E+00	3.77E-01	2.37E-01	1.14E+01
649	490236.72	3860035.12	11.5747	10.7828	2.1417	3.19625	1.89E+00	8.36E+00	4.15E-01	2.35E-01	1.09E+01	1.87E+00	3.62E-04	4.55E-03	6.88E-03	1.88E+00	2.26E+00	8.36E+00	4.15E-01	2.35E-01	1.13E+01
650	490286.72	3860035.12	11.3136	10.6075	2.3414	3.1714	1.85E+00	8.23E+00	4.54E-01	2.33E-01	1.08E+01	1.82E+00	3.56E-04	4.98E-03	6.83E-03	1.84E+00	2.21E+00	8.23E+00	4.54E-01	2.33E-01	1.11E+01
651	490336.72	3860035.12	11.0048	10.3707	2.5901	3.1345	1.80E+00	8.04E+00	5.02E-01	2.31E-01	1.06E+01	1.77E+00	3.48E-04	5.51E-03	6.75E-03	1.79E+00	2.15E+00	8.05E+00	5.02E-01	2.31E-01	1.09E+01
652	490386.72	3860035.12	10.629	10.2368	2.5679	3.10948	1.74E+00	7.94E+00	4.98E-01	2.29E-01	1.04E+01	1.71E+00	3.44E-04	5.46E-03	6.69E-03	1.73E+00	2.08E+00	7.94E+00	4.98E-01	2.29E-01	1.07E+01
653	490436.72	3860035.12	10.2902	10.0033	2.4674	3.08395	1.68E+00	7.76E+00	4.78E-01	2.27E-01	1.01E+01	1.66E+00	3.36E-04	5.25E-03	6.64E-03	1.67E+00	2.01E+00	7.76E+00	4.78E-01	2.27E-01	1.05E+01
654	490486.72	3860035.12	9.92649	9.80895	2.4528	3.0617	1.62E+00	7.61E+00	4.76E-01	2.25E-01	9.93E+00	1.60E+00	3.29E-04	5.22E-03	6.59E-03	1.61E+00	1.94E+00	7.61E+00	4.76E-01	2.25E-01	1.03E+01
655	490536.72	3860035.12	9.61508	9.59382	2.4996	3.0273	1.57E+00	7.44E+00	4.85E-01	2.23E-01	9.72E+00	1.55E+00	3.22E-04	5.31E-03	6.52E-03	1.56E+00	1.88E+00	7.44E+00	4.85E-01	2.23E-01	1.00E+01
656	490586.72	3860035.12	9.36096	9.43557	2.5534	2.97311	1.53E+00	7.32E+00	4.95E-01	2.19E-01	9.56E+00	1.51E+00	3.17E-04	5.43E-03	6.40E-03	1.52E+00	1.83E+00	7.32E+00	4.95E-01	2.19E-01	9.87E+00
657	490636.72	3860035.12	9.14132	9.23848	2.5711	2.94741	1.50E+00	7.17E+00	4.99E-01	2.17E-01	9.38E+00	1.47E+00	3.10E-04	5.47E-03	6.35E-03	1.49E+00	1.79E+00	7.17E+00	4.99E-01	2.17E-01	9.67E+00
658	490686.72	3860035.12	9.2202	9.06252	2.6413	2.92881	1.51E+00	7.03E+00	5.12E-01	2.16E-01	9.27E+00	1.49E+00	3.04E-04	5.62E-03	6.31E-03	1.50E+00	1.80E+00	7.03E+00	5.12E-01	2.16E-01	9.56E+00
659	490736.72	3860035.12	9.18265	8.8687	2.8416	2.87623	1.50E+00	6.88E+00	5.51E-01	2.12E-01	9.14E+00	1.48E+00	2.98E-04	6.04E-03	6.19E-03	1.49E+00	1.80E+00	6.88E+00	5.51E-01	2.12E-01	9.44E+00
660	490786.72	3860035.12	9.1618	8.71756	2.7817	2.85119	1.50E+00	6.76E+00	5.39E-01	2.10E-01	9.01E+00	1.48E+00	2.93E-04	5.91E-03	6.14E-03	1.49E+00	1.79E+00	6.76E+00	5.39E-01	2.10E-01	9.30E+00
661	490836.72	3860035.12	8.78282	8.5974	2.7339	2.8403	1.44E+00	6.67E+00	5.30E-01	2.09E-01	8.84E+00	1.42E+00	2.89E-04	5.81E-03	6.11E-03	1.43E+00	1.72E+00	6.67E+00	5.30E-01	2.09E-01	9.13E+00
662	490086.72	3860085.12	11.7695	11.5663	1.9969	3.54702	1.93E+00	8.97E+00	3.87E-01	2.61E-01	1.15E+01	1.90E+00	3.89E-04	4.25E-03	7.64E-03	1.91E+00	2.30E+00	8.97E+00	3.87E-01	2.61E-01	1.19E+01
663	490136.72	3860085.12	11.6859	11.3975	2.2118	3.43092	1.91E+00	8.84E+00	4.29E-01	2.53E-01	1.14E+01	1.88E+00	3.83E-04	4.70E-03	7.39E-03	1.90E+00	2.29E+00	8.84E+00	4.29E-01	2.53E-01	1.18E+01
664	490186.72	3860085.12	11.267	11.1178	2.1036	3.28837	1.84E+00	8.62E+00	4.08E-01	2.42E-01	1.11E+01	1.82E+00	3.73E-04	4.47E-03	7.08E-03	1.83E+00	2.20E+00	8.62E+00	4.08E-01	2.42E-01	1.15E+01
665	490236.72	3860085.12	11.3138	10.8545	1.893	3.19474	1.85E+00	8.42E+00	3.67E-01	2.35E-01	1.09E+01	1.82E+00	3.65E-04	4.02E-03	6.88E-03	1.83E+00	2.21E+00	8.42E+00	3.67E-01	2.35E-01	1.12E+01
666	490286.72	3860085.12	11.3632	10.6366	2.0678	3.13438	1.86E+00	8.25E+00	4.01E-01	2.31E-01	1.07E+01	1.83E+00	3.57E-04	4.40E-03	6.75E-03	1.84E+00	2.22E+00	8.25E+00	4.01E-01	2.31E-01	1.11E+01
667	490336.72	3860085.12	11.1874	10.4698	2.2415	3.08121	1.83E+00	8.12E+00	4.35E-01	2.27E-01	1.06E+01	1.80E+00	3.52E-04	4.77E-03	6.63E-03	1.81E+00	2.19E+00	8.12E+00	4.35E-01	2.27E-01	1.10E+01

668	490386.72	3860085.12	10.8685	10.2895	2.4923	3.03418	1.78E+00	7.98E+00	4.83E-01	2.23E-01	1.05E+01	1.75E+00	3.46E-04	5.30E-03	6.53E-03	1.76E+00	2.13E+00	7.98E+00	4.83E-01	2.23E-01	1.08E+01
669	490436.72	3860085.12	10.5214	10.0446	2.4804	3.01452	1.72E+00	7.79E+00	4.81E-01	2.22E-01	1.02E+01	1.70E+00	3.37E-04	5.27E-03	6.49E-03	1.71E+00	2.06E+00	7.79E+00	4.81E-01	2.22E-01	1.06E+01
670	490486.72	3860085.12	10.1174	9.97029	2.412	2.97876	1.65E+00	7.73E+00	4.68E-01	2.19E-01	1.01E+01	1.63E+00	3.35E-04	5.13E-03	6.41E-03	1.64E+00	1.98E+00	7.73E+00	4.68E-01	2.19E-01	1.04E+01
671	490536.72	3860085.12	9.81372	9.75166	2.332	2.96071	1.61E+00	7.56E+00	4.52E-01	2.18E-01	9.84E+00	1.58E+00	3.28E-04	4.96E-03	6.37E-03	1.59E+00	1.92E+00	7.56E+00	4.52E-01	2.18E-01	1.02E+01
672	490586.72	3860085.12	9.4865	9.56339	2.394	2.94991	1.55E+00	7.42E+00	4.64E-01	2.17E-01	9.65E+00	1.53E+00	3.21E-04	5.09E-03	6.35E-03	1.54E+00	1.86E+00	7.42E+00	4.64E-01	2.17E-01	9.96E+00
673	490636.72	3860085.12	9.22693	9.32827	2.4604	2.93953	1.51E+00	7.24E+00	4.77E-01	2.16E-01	9.44E+00	1.49E+00	3.13E-04	5.23E-03	6.33E-03	1.50E+00	1.81E+00	7.24E+00	4.77E-01	2.16E-01	9.74E+00
674	490686.72	3860085.12	8.96621	9.13468	2.4552	2.91039	1.47E+00	7.09E+00	4.76E-01	2.14E-01	9.24E+00	1.44E+00	3.07E-04	5.22E-03	6.27E-03	1.46E+00	1.75E+00	7.09E+00	4.76E-01	2.14E-01	9.53E+00
675	490736.72	3860085.12	9.10406	8.95253	2.5104	2.89351	1.49E+00	6.94E+00	4.87E-01	2.13E-01	9.13E+00	1.47E+00	3.01E-04	5.34E-03	6.23E-03	1.48E+00	1.78E+00	6.94E+00	4.87E-01	2.13E-01	9.43E+00
676	490786.72	3860085.12	9.03138	8.84091	2.6581	2.87335	1.48E+00	6.86E+00	5.15E-01	2.12E-01	9.06E+00	1.46E+00	2.97E-04	5.65E-03	6.19E-03	1.47E+00	1.77E+00	6.86E+00	5.15E-01	2.12E-01	9.35E+00
677	490836.72	3860085.12	8.98574	8.69837	2.7654	2.87192	1.47E+00	6.75E+00	5.36E-01	2.11E-01	8.96E+00	1.45E+00	2.92E-04	5.88E-03	6.18E-03	1.46E+00	1.76E+00	6.75E+00	5.36E-01	2.11E-01	9.25E+00
678	490086.72	3860135.12	11.291	11.5779	1.6499	3.64118	1.85E+00	8.98E+00	3.20E-01	2.68E-01	1.14E+01	1.82E+00	3.89E-04	3.51E-03	7.84E-03	1.83E+00	2.21E+00	8.98E+00	3.20E-01	2.68E-01	1.18E+01
679	490136.72	3860135.12	11.5289	11.3949	1.9462	3.51401	1.89E+00	8.84E+00	3.77E-01	2.59E-01	1.14E+01	1.86E+00	3.83E-04	4.14E-03	7.56E-03	1.87E+00	2.26E+00	8.84E+00	3.77E-01	2.59E-01	1.17E+01
680	490186.72	3860135.12	11.5306	11.1939	2.1104	3.35296	1.89E+00	8.68E+00	4.09E-01	2.47E-01	1.12E+01	1.86E+00	3.76E-04	4.49E-03	7.22E-03	1.87E+00	2.26E+00	8.68E+00	4.09E-01	2.47E-01	1.16E+01
681	490236.72	3860135.12	11.0606	11.0146	2.0168	3.27614	1.81E+00	8.54E+00	3.91E-01	2.41E-01	1.10E+01	1.78E+00	3.70E-04	4.29E-03	7.05E-03	1.79E+00	2.16E+00	8.54E+00	3.91E-01	2.41E-01	1.13E+01
682	490286.72	3860135.12	11.116	10.757	1.8278	3.26626	1.82E+00	8.34E+00	3.54E-01	2.40E-01	1.08E+01	1.79E+00	3.61E-04	3.89E-03	7.03E-03	1.80E+00	2.18E+00	8.34E+00	3.54E-01	2.40E-01	1.11E+01
683	490336.72	3860135.12	11.1418	10.5152	1.9923	3.21413	1.82E+00	8.16E+00	3.86E-01	2.37E-01	1.06E+01	1.80E+00	3.53E-04	4.24E-03	6.92E-03	1.81E+00	2.18E+00	8.16E+00	3.86E-01	2.37E-01	1.10E+01
684	490386.72	3860135.12	11.042	10.297	2.152	3.15295	1.81E+00	7.99E+00	4.17E-01	2.32E-01	1.04E+01	1.78E+00	3.46E-04	4.58E-03	6.79E-03	1.79E+00	2.16E+00	7.99E+00	4.17E-01	2.32E-01	1.08E+01
685	490436.72	3860135.12	10.7167	10.1682	2.4011	3.09532	1.75E+00	7.89E+00	4.66E-01	2.28E-01	1.03E+01	1.73E+00	3.42E-04	5.11E-03	6.66E-03	1.74E+00	2.10E+00	7.89E+00	4.66E-01	2.28E-01	1.07E+01
686	490486.72	3860135.12	10.3995	9.9858	2.3972	2.99591	1.70E+00	7.75E+00	4.65E-01	2.21E-01	1.01E+01	1.68E+00	3.35E-04	5.10E-03	6.45E-03	1.69E+00	2.03E+00	7.75E+00	4.65E-01	2.21E-01	1.05E+01
687	490536.72	3860135.12	9.95798	9.74809	2.3463	2.94867	1.63E+00	7.56E+00	4.55E-01	2.17E-01	9.86E+00	1.60E+00	3.27E-04	4.99E-03	6.35E-03	1.62E+00	1.95E+00	7.56E+00	4.55E-01	2.17E-01	1.02E+01
688	490586.72	3860135.12	9.71817	9.65114	2.2332	2.90508	1.59E+00	7.49E+00	4.33E-01	2.14E-01	9.72E+00	1.57E+00	3.24E-04	4.75E-03	6.25E-03	1.58E+00	1.90E+00	7.49E+00	4.33E-01	2.14E-01	1.00E+01
689	490636.72	3860135.12	9.34068	9.49137	2.326	2.85284	1.53E+00	7.36E+00	4.51E-01	2.10E-01	9.55E+00	1.51E+00	3.19E-04	4.95E-03	6.14E-03	1.52E+00	1.83E+00	7.36E+00	4.51E-01	2.10E-01	9.85E+00
690	490686.72	3860135.12	9.07779	9.33004	2.3477	2.82852	1.48E+00	7.24E+00	4.55E-01	2.08E-01	9.39E+00	1.46E+00	3.13E-04	4.99E-03	6.09E-03	1.47E+00	1.78E+00	7.24E+00	4.55E-01	2.08E-01	9.68E+00
691	490736.72	3860135.12	8.83535	9.11026	2.345	2.8206	1.45E+00	7.07E+00	4.55E-01	2.08E-01	9.17E+00	1.42E+00	3.06E-04	4.99E-03	6.07E-03	1.44E+00	1.73E+00	7.07E+00	4.55E-01	2.08E-01	9.46E+00
692	490786.72	3860135.12	8.985	8.89756	2.4004	2.83028	1.47E+00	6.90E+00	4.65E-01	2.08E-01	9.05E+00	1.45E+00	2.99E-04	5.10E-03	6.09E-03	1.46E+00	1.76E+00	6.90E+00	4.65E-01	2.08E-01	9.33E+00
693	490836.72	3860135.12	8.86933	8.66074	2.4915	2.82846	1.45E+00	6.72E+00	4.83E-01	2.08E-01	8.86E+00	1.43E+00	2.91E-04	5.30E-03	6.09E-03	1.44E+00	1.74E+00	6.72E+00	4.83E-01	2.08E-01	9.15E+00
694	490086.72	3860185.12	11.2778	11.5521	1.4172	3.36791	1.84E+00	8.96E+00	2.75E-01	2.48E-01	1.13E+01	1.82E+00	3.88E-04	3.01E-03	7.25E-03	1.83E+00	2.21E+00	8.96E+00	2.75E-01	2.48E-01	1.17E+01
695	490136.72	3860185.12	11.1129	11.3753	1.6256	3.28369	1.82E+00	8.82E+00	3.15E-01	2.42E-01	1.12E+01	1.79E+00	3.82E-04	3.46E-03	7.07E-03	1.80E+00	2.17E+00	8.82E+00	3.15E-01	2.42E-01	1.16E+01
696	490186.72	3860185.12	11.3532	11.202	1.891	3.29484	1.86E+00	8.69E+00	3.67E-01	2.43E-01	1.12E+01	1.83E+00	3.76E-04	4.02E-03	7.09E-03	1.84E+00	2.22E+00	8.69E+00	3.67E-01	2.43E-01	1.15E+01
697	490236.72	3860185.12	11.3368	10.9586	2.0152	3.29085	1.85E+00	8.50E+00	3.91E-01	2.42E-01	1.10E+01	1.83E+00	3.68E-04	4.28E-03	7.08E-03	1.84E+00	2.22E+00	8.50E+00	3.91E-01	2.42E-01	1.14E+01
698	490286.72	3860185.12	10.8799	10.8714	1.9335	3.30937	1.78E+00	8.43E+00	3.75E-01	2.44E-01	1.08E+01	1.75E+00	3.65E-04	4.11E-03	7.12E-03	1.76E+00	2.13E+00	8.43E+00	3.75E-01	2.44E-01	1.12E+01
699	490336.72	3860185.12	10.9	10.6716	1.7659	3.29473	1.78E+00	8.28E+00	3.42E-01	2.43E-01	1.06E+01	1.76E+00	3.58E-04	3.75E-03	7.09E-03	1.77E+00	2.13E+00	8.28E+00	3.42E-01	2.43E-01	1.10E+01
700	490386.72	3860185.12	10.9023	10.4156	1.9182	3.23445	1.78E+00	8.08E+00	3.72E-01	2.38E-01	1.05E+01	1.76E+00	3.50E-04	4.08E-03	6.96E-03	1.77E+00	2.13E+00	8.08E+00	3.72E-01	2.38E-01	1.08E+01
701	490436.72	3860185.12	10.865	10.1884	2.0658	3.12163	1.78E+00	7.90E+00	4.01E-01	2.30E-01	1.03E+01	1.75E+00	3.42E-04	4.39E-03	6.72E-03	1.76E+00	2.13E+00	7.90E+00	4.01E-01	2.30E-01	1.07E+01
702	490486.72	3860185.12	10.582	9.97982	2.3162	3.03491	1.73E+00	7.74E+00	4.49E-01	2.23E-01	1.01E+01	1.71E+00	3.35E-04	4.92E-03	6.53E-03	1.72E+00	2.07E+00	7.74E+00	4.49E-01	2.23E-01	1.05E+01
703	490536.72	3860185.12	10.2865	9.8462	2.3201	2.97565	1.68E+00	7.64E+00	4.50E-01	2.19E-01	9.99E+00	1.66E+00	3.31E-04	4.93E-03	6.41E-03	1.67E+00	2.01E+00	7.64E+00	4.50E-01	2.19E-01	1.03E+01
704	490586.72	3860185.12	9.85299	9.69466	2.2764	2.94654	1.61E+00	7.52E+00	4.41E-01	2.17E-01	9.79E+00	1.59E+00	3.26E-04	4.84E-03	6.34E-03	1.60E+00	1.93E+00	7.52E+00	4.41E-01	2.17E-01	1.01E+01
705	490636.72	3860185.12	9.61413	9.46086	2.1463	2.89896	1.57E+00	7.34E+00	4.16E-01	2.13E-01	9.54E+00	1.55E+00	3.18E-04	4.56E-03	6.24E-03	1.56E+00	1.88E+00	7.34E+00	4.16E-01	2.13E-01	9.85E+00
706	490686.72	3860185.12	9.20901	9.37611	2.2428	2.84461	1.51E+00	7.27E+00	4.35E-01	2.09E-01	9.42E+00	1.48E+00	3.15E-04	4.77E-03	6.12E-03	1.50E+00	1.80E+00	7.27E+00	4.35E-01	2.09E-01	9.72E+00
707	490736.72	3860185.12	8.94486	9.21798	2.2419	2.81618	1.46E+00	7.15E+00	4.35E-01	2.07E-01	9.26E+00	1.44E+00	3.10E-04	4.77E-03	6.06E-03	1.45E+00	1.75E+00	7.15E+00	4.35E-01	2.07E-01	9.54E+00
708	490786.72	3860185.12	8.72562	9.07236	2.2645	2.82576	1.43E+00	7.04E+00	4.39E-01	2.08E-01	9.11E+00	1.41E+00	3.05E-04	4.81E-03	6.08E-03	1.42E+00	1.71E+00	7.04E+00	4.39E-01	2.08E-01	9.39E+00
709	490836.72	3860185.12	8.74693	8.87308	2.2958	2.79683	1.43E+00	6.88E+00	4.45E-01	2.06E-01	8.96E+00	1.41E+00	2.98E-04	4.88E-03	6.02E-03	1.42E+00	1.71E+00	6.88E+00	4.45E-01	2.06E-01	9.25E+00
710	490086.72	3860235.12	11.0717	11.5178	1.2532	3.22496	1.81E+00	8.93E+00	2.43E-01	2.37E-01	1.12E+01	1.78E+00	3.87E-04	2.66E-03	6.94E-03	1.79E+00	2.17E+00	8.93E+00	2.43E-01	2.37E-01	1.16E+01
711	490136.72	3860235.12	11.1212	11.335	1.3671	3.27425	1.82E+00	8.79E+00	2.65E-01	2.41E-01	1.11E+01	1.79E+00	3.81E-04	2.91E-03	7.05E-03	1.80E+00	2.18E+00	8.79E+00	2.65E-01	2.41E-01	1.15E+01
712	490186.72	3860235.12	10.9385	11.1787	1.6034	3.29839	1.79E+00	8.67E+00	3.11E-01	2.43E-01	1.10E+01	1.76E+00	3.76E-04	3.41E-03	7.10E-03	1.77E+00	2.14E+00	8.67E+00	3.11E-01	2.43E-01	1.14E+01
713	490236.72	3860235.12	11.167	11.0107	1.8148	3.23906	1.83E+00	8.54E+00	3.52E-01	2.38E-01	1.10E+01	1.80E+00	3.70E-04	3.86E-03	6.97E-03	1.81E+00	2.19E+00	8.54E+00	3.52E-01	2.38E-01	1.13E+01
714	490286.72	3860235.12	11.1626	10.8545	1.9302	3.1458	1.83E+00	8.42E+00	3.74E-01	2.32E-01	1.09E+01	1.80E+00	3.65E-04	4.10E-03	6.77E-03	1.81E+00	2.18E+00	8.42E+00	3.74E-01	2.32E-01	1.12E+01
715	490336.72	3860235.12	10.7069	10.5703	1.8552	3.08251	1.75E+00	8.20E+00	3.60E-01	2.27E-01	1.05E+01	1.73E+00	3.55E-04	3.94E-03	6.64E-03	1.74E+00	2.10E+00	8.20E+00	3.60E-01	2.27E-01	1.09E+01
716	490386.72	3860235.12	10.6782	10.5486	1.7308	3.08582	1.75E+00	8.18E+00	3.36E-01	2.27E-01	1.05E+01	1.72E+00	3.54E-04	3.68E-03	6.64E-03	1.73E+00	2.09E+00	8.18E+00	3.36E-01	2.27E-01	1.08E+01
717	490436.72	3860235.12	10.6902	10.3702	1.853	3.06581	1.75E+00	8.04E+00	3.59E-01	2.26E-01	1.04E+01	1.72E+00	3.48E-04	3.94E-03	6.60E-03	1.73E+00	2.09E+00	8.04E+00	3.59E-01	2.26E-01	1.07E+01
718	490486.72	3860235.12	10.7176	10.0897	1.9875	3.05385	1.75E+00	7.83E+00	3.85E-01	2.25E-01	1.02E+01	1.73E+00	3.39E-04	4.23E-03	6.57E-03	1.74E+00	2.10E+00	7.83E+00	3.85E-01	2.25E-01	1.05E+01
719	490536.72	3860235.12	10.461	9.87002	2.2227	3.03448	1.71E+00	7.66E+00	4.31E-01	2.23E-01	1.00E+01	1.69E+00	3.32E-04	4.73E-03	6.53E-03	1.70E+00	2.05E+00	7.66E+00	4.31E-01	2.23E-01	1.04E+01
720	490586.72	3860235.12	10.1864	9.67465	2.2477	2.97622	1.67E+00	7.50E+00	4.36E-01	2.19E-01	9.83E+00	1.64E+00	3.25E-04	4.78E-03	6.41E-03	1.65E+00	1.99E+00	7.51E+00	4.36E-01	2.19E-01	1.02E+01
721	490636.72	3860235.12	9.71615	9.54883	2.2025	2.87101	1.59E+00	7.41E+00	4.27E-01	2.11E-01	9.63E+00	1.57E+00	3.21E-04	4.68E-03	6.18E-03	1.58E+00	1.90E+00	7.41E+00	4.27E-01	2.11E-01	9.95E+00
722	490686.72	3860235.12	9.51865	9.39808	2.0604	2.83476	1.56E+00	7.29E+00	4.00E-01	2.09E-01	9.46E+00	1.53E+00	3.16E-04	4.38E-03	6.10E-03	1.54E+00	1.86E+00	7.29E+00	4.00E-01	2.09E-01	9.76E+00
723	490736.72	3860235.12	9.13282	9.19082	2.1445	2.83022	1.49E+00	7.13E+00	4.16E-01	2.08E-01	9.25E+00	1.47E+00	3.09E-04	4.56E-03	6.09E-03	1.48E+00	1.79E+00	7.13E+00	4.16E-01	2.08E-01	9.54E+00
724	490786.72	3860235.12	8.84139	9.10797	2.178	2.81297	1.45E+00	7.07E+00	4.22E-01	2.07E-01	9.14E+00	1.42E+00	3.06E-04	4.63E-03	6.06E-03	1.44E+00	1.73E+00	7.07E+00	4.22E-01	2.07E-01	9.42E+00
725	490086.72	3860285.12	10.5438	11.2325	1.128	3.03527	1.72E+00	8.71E+00	2.19E-01	2.23E-01	1.09E+01	1.70E+00	3.77E-04	2.40E-03	6.53E-03	1.71E+00	2.06E+00	8.71E+00	2.19E-01	2.23E-01	1.12E+01
726	490136.72	3860285.12	10.9075	11.226	1.2168	3.11732	1.78E+00	8.71E+00	2.36E-01	2.30E-01	1.10E+01	1.76E+00	3.77E-04	2.59E-03	6.71E-03	1.77E+00	2.13E+00	8.71E+00	2.36E-01	2.30E-01	1.13E+01
727	490186.72	3860285.12	10.9556	11.167	1.3337	3.1047	1.79E+00	8.66E+00	2.59E-01	2.29E-01	1.09E+01	1.77E+00	3.75E-04	2.84E-03	6.68E-03	1.78E+00	2.14E+00	8.66E+00	2.59E-01	2.29E-01	1.13E+01
728	490236.72	3860285.12	10.7602	10.9974	1.583	3.03609	1.76E+00	8.53E+00	3.07E-01	2.24E-01	1.08E+01	1.73E+00	3.69E-04	3.37E-03	6.54E-03	1.74E+00	2.11E+00	8.53E+00	3.07E-01	2.24E-01	1.12E+01

729	490286.72	3860285.12	10.9831	10.8389	1.7462	3.03352	1.80E+00	8.41E+00	3.39E-01	2.23E-01	1.08E+01	1.77E+00	3.64E-04	3.71E-03	6.53E-03	1.78E+00	2.15E+00	8.41E+00	3.39E-01	2.23E-01	1.11E+01
730	490336.72	3860285.12	10.9939	10.6699	1.852	3.06713	1.80E+00	8.28E+00	3.59E-01	2.26E-01	1.07E+01	1.77E+00	3.58E-04	3.94E-03	6.60E-03	1.78E+00	2.15E+00	8.28E+00	3.59E-01	2.26E-01	1.10E+01
731	490386.72	3860285.12	10.5648	10.4508	1.782	3.06199	1.73E+00	8.11E+00	3.46E-01	2.25E-01	1.04E+01	1.70E+00	3.51E-04	3.79E-03	6.59E-03	1.71E+00	2.07E+00	8.11E+00	3.46E-01	2.25E-01	1.07E+01
732	490436.72	3860285.12	10.4611	10.2608	1.6826	3.02115	1.71E+00	7.96E+00	3.26E-01	2.22E-01	1.02E+01	1.69E+00	3.45E-04	3.58E-03	6.50E-03	1.70E+00	2.05E+00	7.96E+00	3.26E-01	2.22E-01	1.06E+01
733	490486.72	3860285.12	10.4952	10.2278	1.7866	2.99104	1.72E+00	7.93E+00	3.46E-01	2.20E-01	1.02E+01	1.69E+00	3.44E-04	3.80E-03	6.44E-03	1.70E+00	2.05E+00	7.93E+00	3.46E-01	2.20E-01	1.06E+01
734	490536.72	3860285.12	10.5703	10.0541	1.9137	2.94897	1.73E+00	7.80E+00	3.71E-01	2.17E-01	1.01E+01	1.70E+00	3.38E-04	4.07E-03	6.35E-03	1.71E+00	2.07E+00	7.80E+00	3.71E-01	2.17E-01	1.05E+01
735	490586.72	3860285.12	10.33	9.77561	2.1185	2.91383	1.69E+00	7.58E+00	4.11E-01	2.15E-01	9.90E+00	1.66E+00	3.28E-04	4.50E-03	6.27E-03	1.68E+00	2.02E+00	7.58E+00	4.11E-01	2.15E-01	1.02E+01
736	490636.72	3860285.12	10.097	9.57819	2.1772	2.87824	1.65E+00	7.43E+00	4.22E-01	2.12E-01	9.72E+00	1.63E+00	3.22E-04	4.63E-03	6.20E-03	1.64E+00	1.98E+00	7.43E+00	4.22E-01	2.12E-01	1.00E+01
737	490686.72	3860285.12	9.57316	9.40217	2.1328	2.84344	1.57E+00	7.29E+00	4.14E-01	2.09E-01	9.48E+00	1.54E+00	3.16E-04	4.53E-03	6.12E-03	1.55E+00	1.87E+00	7.29E+00	4.14E-01	2.09E-01	9.79E+00
738	490736.72	3860285.12	9.37775	9.26445	1.9976	2.80607	1.53E+00	7.19E+00	3.87E-01	2.07E-01	9.31E+00	1.51E+00	3.11E-04	4.25E-03	6.04E-03	1.52E+00	1.84E+00	7.19E+00	3.87E-01	2.07E-01	9.62E+00
739	490786.72	3860285.12	9.057	9.10872	2.057	2.77041	1.48E+00	7.07E+00	3.99E-01	2.04E-01	9.15E+00	1.46E+00	3.06E-04	4.37E-03	5.96E-03	1.47E+00	1.77E+00	7.07E+00	3.99E-01	2.04E-01	9.44E+00
740	490086.72	3860335.12	10.4389	10.9841	1.1119	2.94242	1.71E+00	8.52E+00	2.16E-01	2.17E-01	1.07E+01	1.68E+00	3.69E-04	2.36E-03	6.33E-03	1.69E+00	2.04E+00	8.52E+00	2.16E-01	2.17E-01	1.10E+01
741	490136.72	3860335.12	10.3673	10.9767	1.1023	2.9011	1.70E+00	8.51E+00	2.14E-01	2.14E-01	1.06E+01	1.67E+00	3.69E-04	2.34E-03	6.25E-03	1.68E+00	2.03E+00	8.52E+00	2.14E-01	2.14E-01	1.10E+01
742	490186.72	3860335.12	10.7375	10.9307	1.1817	2.87886	1.76E+00	8.48E+00	2.29E-01	2.12E-01	1.07E+01	1.73E+00	3.67E-04	2.51E-03	6.20E-03	1.74E+00	2.10E+00	8.48E+00	2.29E-01	2.12E-01	1.10E+01
743	490236.72	3860335.12	10.7878	10.9272	1.3171	2.91437	1.76E+00	8.48E+00	2.55E-01	2.15E-01	1.07E+01	1.74E+00	3.67E-04	2.80E-03	6.27E-03	1.75E+00	2.11E+00	8.48E+00	2.55E-01	2.15E-01	1.11E+01
744	490286.72	3860335.12	10.5748	10.8323	1.5641	2.95745	1.73E+00	8.40E+00	3.03E-01	2.18E-01	1.07E+01	1.70E+00	3.64E-04	3.33E-03	6.37E-03	1.71E+00	2.07E+00	8.40E+00	3.03E-01	2.18E-01	1.10E+01
745	490336.72	3860335.12	10.8024	10.6916	1.6838	2.9369	1.77E+00	8.29E+00	3.26E-01	2.16E-01	1.06E+01	1.74E+00	3.59E-04	3.58E-03	6.32E-03	1.75E+00	2.11E+00	8.29E+00	3.26E-01	2.16E-01	1.10E+01
746	490386.72	3860335.12	10.8421	10.5193	1.7787	2.92236	1.77E+00	8.16E+00	3.45E-01	2.15E-01	1.05E+01	1.75E+00	3.53E-04	3.78E-03	6.29E-03	1.76E+00	2.12E+00	8.16E+00	3.45E-01	2.15E-01	1.08E+01
747	490436.72	3860335.12	10.4199	10.3479	1.7122	2.9106	1.70E+00	8.03E+00	3.32E-01	2.14E-01	1.03E+01	1.68E+00	3.48E-04	3.64E-03	6.27E-03	1.69E+00	2.04E+00	8.03E+00	3.32E-01	2.14E-01	1.06E+01
748	490486.72	3860335.12	10.2604	10.0675	1.6324	2.91681	1.68E+00	7.81E+00	3.17E-01	2.15E-01	1.00E+01	1.65E+00	3.38E-04	3.47E-03	6.28E-03	1.66E+00	2.01E+00	7.81E+00	3.17E-01	2.15E-01	1.03E+01
749	490536.72	3860335.12	10.3039	9.97685	1.7232	2.89007	1.69E+00	7.74E+00	3.34E-01	2.13E-01	9.97E+00	1.66E+00	3.35E-04	3.66E-03	6.22E-03	1.67E+00	2.02E+00	7.74E+00	3.34E-01	2.13E-01	1.03E+01
750	490586.72	3860335.12	10.4145	9.9274	1.8446	2.83454	1.70E+00	7.70E+00	3.58E-01	2.09E-01	9.97E+00	1.68E+00	3.33E-04	3.92E-03	6.10E-03	1.69E+00	2.04E+00	7.70E+00	3.58E-01	2.09E-01	1.03E+01
751	490636.72	3860335.12	10.1996	9.75208	2.0311	2.7981	1.67E+00	7.56E+00	3.94E-01	2.06E-01	9.83E+00	1.64E+00	3.28E-04	4.32E-03	6.02E-03	1.65E+00	2.00E+00	7.57E+00	3.94E-01	2.06E-01	1.02E+01
752	490686.72	3860335.12	9.9731	9.48986	2.1062	2.8087	1.63E+00	7.36E+00	4.08E-01	2.07E-01	9.61E+00	1.61E+00	3.19E-04	4.48E-03	6.05E-03	1.62E+00	1.95E+00	7.36E+00	4.08E-01	2.07E-01	9.93E+00
753	490736.72	3860335.12	9.50367	9.31058	2.0667	2.8119	1.55E+00	7.22E+00	4.01E-01	2.07E-01	9.38E+00	1.53E+00	3.13E-04	4.39E-03	6.05E-03	1.54E+00	1.86E+00	7.22E+00	4.01E-01	2.07E-01	9.69E+00
754	490786.72	3860335.12	9.22758	9.16347	1.946	2.80754	1.51E+00	7.11E+00	3.77E-01	2.07E-01	9.20E+00	1.49E+00	3.08E-04	4.14E-03	6.04E-03	1.50E+00	1.81E+00	7.11E+00	3.77E-01	2.07E-01	9.50E+00
755	490086.72	3860385.12	10.3909	10.8774	1.0874	2.88301	1.70E+00	8.44E+00	2.11E-01	2.12E-01	1.06E+01	1.67E+00	3.65E-04	2.31E-03	6.21E-03	1.68E+00	2.03E+00	8.44E+00	2.11E-01	2.12E-01	1.09E+01
756	490136.72	3860385.12	10.2666	10.8685	1.0889	2.88767	1.68E+00	8.43E+00	2.11E-01	2.13E-01	1.05E+01	1.65E+00	3.65E-04	2.32E-03	6.22E-03	1.66E+00	2.01E+00	8.43E+00	2.11E-01	2.13E-01	1.09E+01
757	490186.72	3860385.12	10.1732	10.7888	1.0779	2.85851	1.66E+00	8.37E+00	2.09E-01	2.10E-01	1.05E+01	1.64E+00	3.62E-04	2.29E-03	6.15E-03	1.65E+00	1.99E+00	8.37E+00	2.09E-01	2.10E-01	1.08E+01
758	490236.72	3860385.12	10.558	10.6623	1.1481	2.80672	1.73E+00	8.27E+00	2.23E-01	2.07E-01	1.04E+01	1.70E+00	3.58E-04	2.44E-03	6.04E-03	1.71E+00	2.07E+00	8.27E+00	2.23E-01	2.07E-01	1.08E+01
759	490286.72	3860385.12	10.5975	10.62	1.3008	2.7987	1.73E+00	8.24E+00	2.52E-01	2.06E-01	1.04E+01	1.71E+00	3.57E-04	2.77E-03	6.02E-03	1.72E+00	2.07E+00	8.24E+00	2.52E-01	2.06E-01	1.08E+01
760	490336.72	3860385.12	10.3912	10.6501	1.547	2.80814	1.70E+00	8.26E+00	3.00E-01	2.07E-01	1.05E+01	1.67E+00	3.58E-04	3.29E-03	6.05E-03	1.68E+00	2.03E+00	8.26E+00	3.00E-01	2.07E-01	1.08E+01
761	490386.72	3860385.12	10.6244	10.5214	1.6249	2.80684	1.74E+00	8.16E+00	3.15E-01	2.07E-01	1.04E+01	1.71E+00	3.53E-04	3.45E-03	6.04E-03	1.72E+00	2.08E+00	8.16E+00	3.15E-01	2.07E-01	1.08E+01
762	490436.72	3860385.12	10.6928	10.3781	1.7096	2.76137	1.75E+00	8.05E+00	3.32E-01	2.03E-01	1.03E+01	1.72E+00	3.49E-04	3.63E-03	5.94E-03	1.73E+00	2.09E+00	8.05E+00	3.32E-01	2.03E-01	1.07E+01
763	490486.72	3860385.12	10.2786	10.1876	1.6475	2.76492	1.68E+00	7.90E+00	3.19E-01	2.04E-01	1.01E+01	1.66E+00	3.42E-04	3.50E-03	5.95E-03	1.67E+00	2.01E+00	7.90E+00	3.19E-01	2.04E-01	1.04E+01
764	490536.72	3860385.12	10.0714	9.9953	1.5833	2.75334	1.65E+00	7.75E+00	3.07E-01	2.03E-01	9.91E+00	1.62E+00	3.36E-04	3.37E-03	5.93E-03	1.63E+00	1.97E+00	7.75E+00	3.07E-01	2.03E-01	1.02E+01
765	490586.72	3860385.12	10.1149	9.74137	1.663	2.75463	1.65E+00	7.56E+00	3.22E-01	2.03E-01	9.74E+00	1.63E+00	3.27E-04	3.54E-03	5.93E-03	1.64E+00	1.98E+00	7.56E+00	3.22E-01	2.03E-01	1.01E+01
766	490636.72	3860385.12	10.2455	9.70466	1.7799	2.73236	1.68E+00	7.53E+00	3.45E-01	2.01E-01	9.75E+00	1.65E+00	3.26E-04	3.78E-03	5.88E-03	1.66E+00	2.00E+00	7.53E+00	3.45E-01	2.01E-01	1.01E+01
767	490686.72	3860385.12	10.0701	9.66018	1.9518	2.73024	1.65E+00	7.49E+00	3.78E-01	2.01E-01	9.72E+00	1.62E+00	3.25E-04	4.15E-03	5.88E-03	1.63E+00	1.97E+00	7.49E+00	3.78E-01	2.01E-01	1.00E+01
768	490736.72	3860385.12	9.82422	9.47042	2.0359	2.69663	1.61E+00	7.35E+00	3.95E-01	1.99E-01	9.55E+00	1.58E+00	3.18E-04	4.33E-03	5.81E-03	1.59E+00	1.92E+00	7.35E+00	3.95E-01	1.99E-01	9.86E+00
769	490786.72	3860385.12	9.4523	9.21716	2.0017	2.67481	1.55E+00	7.15E+00	3.88E-01	1.97E-01	9.28E+00	1.52E+00	3.10E-04	4.26E-03	5.76E-03	1.53E+00	1.85E+00	7.15E+00	3.88E-01	1.97E-01	9.58E+00
770	490136.72	3860435.12	10.2265	10.7091	1.0651	2.79709	1.67E+00	8.31E+00	2.07E-01	2.06E-01	1.04E+01	1.65E+00	3.60E-04	2.26E-03	6.02E-03	1.66E+00	2.00E+00	8.31E+00	2.07E-01	2.06E-01	1.07E+01
771	490186.72	3860435.12	10.078	10.567	1.0655	2.77714	1.65E+00	8.20E+00	2.07E-01	2.04E-01	1.03E+01	1.62E+00	3.55E-04	2.27E-03	5.98E-03	1.63E+00	1.97E+00	8.20E+00	2.07E-01	2.04E-01	1.06E+01
772	490236.72	3860435.12	9.98624	10.5745	1.0554	2.77803	1.63E+00	8.20E+00	2.05E-01	2.05E-01	1.02E+01	1.61E+00	3.55E-04	2.24E-03	5.98E-03	1.62E+00	1.95E+00	8.20E+00	2.05E-01	2.05E-01	1.06E+01
773	490286.72	3860435.12	10.357	10.5823	1.1177	2.79023	1.69E+00	8.21E+00	2.17E-01	2.05E-01	1.03E+01	1.67E+00	3.55E-04	2.38E-03	6.01E-03	1.68E+00	2.03E+00	8.21E+00	2.17E-01	2.05E-01	1.07E+01
774	490336.72	3860435.12	10.4121	10.4487	1.2863	2.76499	1.70E+00	8.11E+00	2.49E-01	2.04E-01	1.03E+01	1.68E+00	3.51E-04	2.73E-03	5.95E-03	1.69E+00	2.04E+00	8.11E+00	2.49E-01	2.04E-01	1.06E+01
775	490386.72	3860435.12	10.1989	10.4035	1.4985	2.77631	1.67E+00	8.07E+00	2.91E-01	2.04E-01	1.02E+01	1.64E+00	3.49E-04	3.19E-03	5.98E-03	1.65E+00	2.00E+00	8.07E+00	2.91E-01	2.04E-01	1.06E+01
776	490436.72	3860435.12	10.4491	10.3317	1.5692	2.75677	1.71E+00	8.01E+00	3.04E-01	2.03E-01	1.02E+01	1.68E+00	3.47E-04	3.34E-03	5.93E-03	1.69E+00	2.04E+00	8.01E+00	3.04E-01	2.03E-01	1.06E+01
777	490486.72	3860435.12	10.5362	10.2181	1.6446	2.7345	1.72E+00	7.93E+00	3.19E-01	2.01E-01	1.02E+01	1.70E+00	3.43E-04	3.50E-03	5.89E-03	1.71E+00	2.06E+00	7.93E+00	3.19E-01	2.01E-01	1.05E+01
778	490536.72	3860435.12	10.1273	10.0804	1.586	2.71481	1.66E+00	7.82E+00	3.08E-01	2.00E-01	9.98E+00	1.63E+00	3.39E-04	3.37E-03	5.84E-03	1.64E+00	1.98E+00	7.82E+00	3.08E-01	2.00E-01	1.03E+01
779	490586.72	3860435.12	9.86235	9.90088	1.5342	2.70699	1.61E+00	7.68E+00	2.97E-01	1.99E-01	9.79E+00	1.59E+00	3.33E-04	3.26E-03	5.83E-03	1.60E+00	1.93E+00	7.68E+00	2.97E-01	1.99E-01	1.01E+01
780	490636.72	3860435.12	9.935	9.65054	1.6043	2.6966	1.62E+00	7.49E+00	3.11E-01	1.99E-01	9.62E+00	1.60E+00	3.24E-04	3.41E-03	5.81E-03	1.61E+00	1.94E+00	7.49E+00	3.11E-01	1.99E-01	9.94E+00
781	490686.72	3860435.12	10.0453	9.4831	1.7176	2.6944	1.64E+00	7.36E+00	3.33E-01	1.98E-01	9.53E+00	1.62E+00	3.19E-04	3.65E-03	5.80E-03	1.63E+00	1.97E+00	7.36E+00	3.33E-01	1.98E-01	9.85E+00
782	490736.72	3860435.12	9.894	9.44241	1.8757	2.68922	1.62E+00	7.32E+00	3.64E-01	1.98E-01	9.50E+00	1.59E+00	3.17E-04	3.99E-03	5.79E-03	1.60E+00	1.94E+00	7.32E+00	3.64E-01	1.98E-01	9.82E+00
783	490786.72	3860435.12	9.67848	9.39162	1.9698	2.69287	1.58E+00	7.29E+00	3.82E-01	1.98E-01	9.45E+00	1.56E+00	3.15E-04	4.19E-03	5.80E-03	1.57E+00	1.89E+00	7.29E+00	3.82E-01	1.98E-01	9.76E+00
784	490136.72	3860485.12	10.3491	10.8954	1.0147	2.6858	1.69E+00	8.45E+00	1.97E-01	1.98E-01	1.05E+01	1.67E+00	3.66E-04	2.16E-03	5.78E-03	1.68E+00	2.03E+00	8.45E+00	1.97E-01	1.98E-01	1.09E+01
785	490186.72	3860485.12	10.0723	10.6193	1.0441	2.70581	1.65E+00	8.24E+00	2.02E-01	1.99E-01	1.03E+01	1.62E+00	3.57E-04	2.22E-03	5.82E-03	1.63E+00	1.97E+00	8.24E+00	2.02E-01	1.99E-01	1.06E+01
786	490236.72	3860485.12	9.89356	10.3594	1.043	2.63739	1.62E+00	8.04E+00	2.02E-01	1.94E-01	1.01E+01	1.59E+00	3.48E-04	2.22E-03	5.68E-03	1.60E+00	1.94E+00	8.04E+00	2.02E-01	1.94E-01	1.04E+01
787	490286.72	3860485.12	9.79221	10.3379	1.0334	2.67197	1.60E+00	8.02E+00	2.00E-01	1.97E-01	1.00E+01	1.58E+00	3.47E-04	2.20E-03	5.75E-03	1.59E+00	1.92E+00	8.02E+00	2.00E-01	1.97E-01	1.03E+01
788	490336.72	3860485.12	10.1562	10.3081	1.1055	2.72044	1.66E+00	8.00E+00	2.14E-01	2.00E-01	1.01E+01	1.64E+00	3.46E-04	2.35E-03	5.86E-03	1.65E+00	1.99E+00	8.00E+00	2.14E-01	2.00E-01	1.04E+01
789	490386.72	3860485.12	10.2343	10.2838	1.2753	2.74044	1.67E+00	7.98E+00	2.47E-01	2.02E-01	1.01E+01	1.65E+00	3.45E-04	2.71E-03	5.90E-03	1.66E+00	2.00E+00	7.98E+00	2.47E-01	2.02E-01	1.04E+01

790	490436.72	3860485.12	10.0482	10.1506	1.4452	2.6935	1.64E+00	7.87E+00	2.80E-01	1.98E-01	1.00E+01	1.62E+00	3.41E-04	3.07E-03	5.80E-03	1.63E+00	1.97E+00	7.87E+00	2.80E-01	1.98E-01	1.03E+01
791	490486.72	3860485.12	10.2857	10.142	1.5169	2.73059	1.68E+00	7.87E+00	2.94E-01	2.01E-01	1.00E+01	1.66E+00	3.41E-04	3.23E-03	5.88E-03	1.67E+00	2.01E+00	7.87E+00	2.94E-01	2.01E-01	1.04E+01
792	490536.72	3860485.12	10.3796	10.0433	1.5833	2.70905	1.70E+00	7.79E+00	3.07E-01	1.99E-01	9.99E+00	1.67E+00	3.37E-04	3.37E-03	5.83E-03	1.68E+00	2.03E+00	7.79E+00	3.07E-01	1.99E-01	1.03E+01
793	490586.72	3860485.12	9.99119	9.93802	1.5311	2.70333	1.63E+00	7.71E+00	2.97E-01	1.99E-01	9.84E+00	1.61E+00	3.34E-04	3.26E-03	5.82E-03	1.62E+00	1.96E+00	7.71E+00	2.97E-01	1.99E-01	1.02E+01
794	490636.72	3860485.12	9.67194	9.79197	1.4879	2.68246	1.58E+00	7.60E+00	2.89E-01	1.97E-01	9.66E+00	1.56E+00	3.29E-04	3.16E-03	5.77E-03	1.57E+00	1.89E+00	7.60E+00	2.89E-01	1.97E-01	9.97E+00
795	490686.72	3860485.12	9.75297	9.59988	1.5506	2.67993	1.60E+00	7.45E+00	3.01E-01	1.97E-01	9.54E+00	1.57E+00	3.22E-04	3.30E-03	5.77E-03	1.58E+00	1.91E+00	7.45E+00	3.01E-01	1.97E-01	9.85E+00
796	490736.72	3860485.12	9.84892	9.34782	1.6585	2.69187	1.61E+00	7.25E+00	3.22E-01	1.98E-01	9.38E+00	1.59E+00	3.14E-04	3.53E-03	5.79E-03	1.60E+00	1.93E+00	7.25E+00	3.22E-01	1.98E-01	9.70E+00
797	490786.72	3860485.12	9.71668	9.2554	1.8019	2.6988	1.59E+00	7.18E+00	3.49E-01	1.99E-01	9.32E+00	1.57E+00	3.11E-04	3.83E-03	5.81E-03	1.58E+00	1.90E+00	7.18E+00	3.49E-01	1.99E-01	9.63E+00
798	490136.72	3860535.12	9.62394	10.8651	0.9961	2.58635	1.57E+00	8.43E+00	1.93E-01	1.90E-01	1.04E+01	1.55E+00	3.65E-04	2.12E-03	5.57E-03	1.56E+00	1.88E+00	8.43E+00	1.93E-01	1.90E-01	1.07E+01
799	490186.72	3860535.12	10.2129	10.757	1.0148	2.59706	1.67E+00	8.34E+00	1.97E-01	1.91E-01	1.04E+01	1.65E+00	3.61E-04	2.16E-03	5.59E-03	1.65E+00	2.00E+00	8.34E+00	1.97E-01	1.91E-01	1.07E+01
800	490236.72	3860535.12	9.90909	10.4741	1.0231	2.53033	1.62E+00	8.12E+00	1.98E-01	1.86E-01	1.01E+01	1.60E+00	3.52E-04	2.18E-03	5.45E-03	1.60E+00	1.94E+00	8.13E+00	1.98E-01	1.86E-01	1.04E+01
801	490286.72	3860535.12	9.71472	10.2714	1.0215	2.54609	1.59E+00	7.97E+00	1.98E-01	1.87E-01	9.94E+00	1.57E+00	3.45E-04	2.17E-03	5.48E-03	1.57E+00	1.90E+00	7.97E+00	1.98E-01	1.87E-01	1.03E+01
802	490336.72	3860535.12	9.60136	10.0795	1.012	2.52848	1.57E+00	7.82E+00	1.96E-01	1.86E-01	9.77E+00	1.55E+00	3.39E-04	2.15E-03	5.44E-03	1.56E+00	1.88E+00	7.82E+00	1.96E-01	1.86E-01	1.01E+01
803	490386.72	3860535.12	9.97902	10.0747	1.0979	2.58279	1.63E+00	7.81E+00	2.13E-01	1.90E-01	9.85E+00	1.61E+00	3.38E-04	2.33E-03	5.56E-03	1.62E+00	1.95E+00	7.82E+00	2.13E-01	1.90E-01	1.02E+01
804	490436.72	3860535.12	10.0699	10.0449	1.2692	2.6374	1.65E+00	7.79E+00	2.46E-01	1.94E-01	9.88E+00	1.62E+00	3.37E-04	2.70E-03	5.68E-03	1.63E+00	1.97E+00	7.79E+00	2.46E-01	1.94E-01	1.02E+01
805	490486.72	3860535.12	9.89448	9.90925	1.3946	2.66819	1.62E+00	7.69E+00	2.70E-01	1.96E-01	9.77E+00	1.59E+00	3.33E-04	2.97E-03	5.74E-03	1.60E+00	1.94E+00	7.69E+00	2.70E-01	1.96E-01	1.01E+01
806	490536.72	3860535.12	10.1567	9.82663	1.4688	2.6554	1.66E+00	7.62E+00	2.85E-01	1.96E-01	9.76E+00	1.64E+00	3.30E-04	3.12E-03	5.72E-03	1.65E+00	1.99E+00	7.62E+00	2.85E-01	1.96E-01	1.01E+01
807	490586.72	3860535.12	10.2331	9.86744	1.5256	2.60977	1.67E+00	7.65E+00	2.96E-01	1.92E-01	9.82E+00	1.65E+00	3.31E-04	3.24E-03	5.62E-03	1.66E+00	2.00E+00	7.65E+00	2.96E-01	1.92E-01	1.01E+01
808	490636.72	3860535.12	9.8692	9.76531	1.4805	2.64588	1.61E+00	7.57E+00	2.87E-01	1.95E-01	9.67E+00	1.59E+00	3.28E-04	3.15E-03	5.70E-03	1.60E+00	1.93E+00	7.58E+00	2.87E-01	1.95E-01	9.99E+00
809	490686.72	3860535.12	9.49523	9.65852	1.4441	2.69234	1.55E+00	7.49E+00	2.80E-01	1.98E-01	9.52E+00	1.53E+00	3.24E-04	3.07E-03	5.80E-03	1.54E+00	1.86E+00	7.49E+00	2.80E-01	1.98E-01	9.83E+00
810	490736.72	3860535.12	9.5707	9.49578	1.5	2.67901	1.57E+00	7.37E+00	2.91E-01	1.97E-01	9.42E+00	1.54E+00	3.19E-04	3.19E-03	5.77E-03	1.55E+00	1.87E+00	7.37E+00	2.91E-01	1.97E-01	9.73E+00
811	490786.72	3860535.12	9.65831	9.28185	1.6029	2.65439	1.58E+00	7.20E+00	3.11E-01	1.95E-01	9.29E+00	1.56E+00	3.12E-04	3.41E-03	5.71E-03	1.57E+00	1.89E+00	7.20E+00	3.11E-01	1.95E-01	9.60E+00
812	490136.72	3860585.12	9.4176	10.6522	1.0142	2.45764	1.54E+00	8.26E+00	1.97E-01	1.81E-01	1.02E+01	1.52E+00	3.58E-04	2.16E-03	5.29E-03	1.53E+00	1.84E+00	8.26E+00	1.97E-01	1.81E-01	1.05E+01
813	490186.72	3860585.12	9.42418	10.4933	0.9586	2.41131	1.54E+00	8.14E+00	1.86E-01	1.78E-01	1.00E+01	1.52E+00	3.52E-04	2.04E-03	5.19E-03	1.53E+00	1.84E+00	8.14E+00	1.86E-01	1.78E-01	1.03E+01
814	490236.72	3860585.12	9.99395	10.3666	1.0049	2.42677	1.63E+00	8.04E+00	1.95E-01	1.79E-01	1.00E+01	1.61E+00	3.48E-04	2.14E-03	5.22E-03	1.62E+00	1.96E+00	8.04E+00	1.95E-01	1.79E-01	1.04E+01
815	490286.72	3860585.12	9.73554	10.2076	1.0026	2.49226	1.59E+00	7.92E+00	1.94E-01	1.83E-01	9.89E+00	1.57E+00	3.43E-04	2.13E-03	5.37E-03	1.58E+00	1.91E+00	7.92E+00	1.94E-01	1.83E-01	1.02E+01
816	490336.72	3860585.12	9.54562	10.0281	1.001	2.43601	1.56E+00	7.78E+00	1.94E-01	1.79E-01	9.71E+00	1.54E+00	3.37E-04	2.13E-03	5.24E-03	1.55E+00	1.87E+00	7.78E+00	1.94E-01	1.79E-01	1.00E+01
817	490386.72	3860585.12	9.42224	9.87745	0.9916	2.43059	1.54E+00	7.66E+00	1.92E-01	1.79E-01	9.57E+00	1.52E+00	3.32E-04	2.11E-03	5.23E-03	1.53E+00	1.84E+00	7.66E+00	1.92E-01	1.79E-01	9.88E+00
818	490436.72	3860585.12	9.82132	9.81374	1.0923	2.47903	1.61E+00	7.61E+00	2.12E-01	1.83E-01	9.61E+00	1.58E+00	3.30E-04	2.32E-03	5.34E-03	1.59E+00	1.92E+00	7.61E+00	2.12E-01	1.83E-01	9.93E+00
819	490486.72	3860585.12	9.94484	9.71953	1.2666	2.52401	1.63E+00	7.54E+00	2.46E-01	1.86E-01	9.60E+00	1.60E+00	3.26E-04	2.69E-03	5.43E-03	1.61E+00	1.95E+00	7.54E+00	2.46E-01	1.86E-01	9.92E+00
820	490536.72	3860585.12	9.75704	9.71763	1.3503	2.56851	1.60E+00	7.54E+00	2.62E-01	1.89E-01	9.58E+00	1.57E+00	3.26E-04	2.87E-03	5.53E-03	1.58E+00	1.91E+00	7.54E+00	2.62E-01	1.89E-01	9.90E+00
821	490586.72	3860585.12	9.94504	9.58821	1.4195	2.53885	1.63E+00	7.44E+00	2.75E-01	1.87E-01	9.53E+00	1.60E+00	3.22E-04	3.02E-03	5.47E-03	1.61E+00	1.95E+00	7.44E+00	2.75E-01	1.87E-01	9.85E+00
822	490636.72	3860585.12	10.0691	9.57045	1.4738	2.56205	1.65E+00	7.42E+00	2.86E-01	1.89E-01	9.55E+00	1.62E+00	3.21E-04	3.13E-03	5.52E-03	1.63E+00	1.97E+00	7.42E+00	2.86E-01	1.89E-01	9.87E+00
823	490686.72	3860585.12	9.74272	9.58791	1.4353	2.53636	1.59E+00	7.44E+00	2.78E-01	1.87E-01	9.50E+00	1.57E+00	3.22E-04	3.05E-03	5.46E-03	1.58E+00	1.91E+00	7.44E+00	2.78E-01	1.87E-01	9.81E+00
824	490736.72	3860585.12	9.31887	9.4981	1.4014	2.57729	1.52E+00	7.37E+00	2.72E-01	1.90E-01	9.35E+00	1.50E+00	3.19E-04	2.98E-03	5.55E-03	1.51E+00	1.82E+00	7.37E+00	2.72E-01	1.90E-01	9.65E+00
825	490786.72	3860585.12	9.38874	9.39079	1.4787	2.61419	1.54E+00	7.28E+00	2.87E-01	1.92E-01	9.30E+00	1.51E+00	3.15E-04	3.14E-03	5.63E-03	1.52E+00	1.84E+00	7.28E+00	2.87E-01	1.92E-01	9.60E+00
826	490136.72	3860635.12	8.7884	10.6651	0.9956	2.4362	1.44E+00	8.27E+00	1.93E-01	1.79E-01	1.01E+01	1.42E+00	3.58E-04	2.12E-03	5.24E-03	1.42E+00	1.72E+00	8.27E+00	1.93E-01	1.79E-01	1.04E+01
827	490186.72	3860635.12	9.27046	10.5062	0.9758	2.37617	1.52E+00	8.15E+00	1.89E-01	1.75E-01	1.00E+01	1.49E+00	3.53E-04	2.07E-03	5.12E-03	1.50E+00	1.81E+00	8.15E+00	1.89E-01	1.75E-01	1.03E+01
828	490236.72	3860635.12	9.29414	10.3197	0.9264	2.33828	1.52E+00	8.01E+00	1.80E-01	1.72E-01	9.88E+00	1.50E+00	3.47E-04	1.97E-03	5.03E-03	1.50E+00	1.82E+00	8.01E+00	1.80E-01	1.72E-01	1.02E+01
829	490286.72	3860635.12	9.82617	10.2081	0.9871	2.31085	1.61E+00	7.92E+00	1.91E-01	1.70E-01	9.89E+00	1.58E+00	3.43E-04	2.10E-03	4.97E-03	1.59E+00	1.92E+00	7.92E+00	1.91E-01	1.70E-01	1.02E+01
830	490336.72	3860635.12	9.55589	10.0799	0.9828	2.32856	1.56E+00	7.82E+00	1.91E-01	1.71E-01	9.74E+00	1.54E+00	3.39E-04	2.09E-03	5.01E-03	1.55E+00	1.87E+00	7.82E+00	1.91E-01	1.71E-01	1.01E+01
831	490386.72	3860635.12	9.37993	9.83953	0.9812	2.37379	1.53E+00	7.63E+00	1.90E-01	1.75E-01	9.53E+00	1.51E+00	3.31E-04	2.09E-03	5.11E-03	1.52E+00	1.84E+00	7.63E+00	1.90E-01	1.75E-01	9.83E+00
832	490436.72	3860635.12	9.25509	9.71978	0.9722	2.36616	1.51E+00	7.54E+00	1.89E-01	1.74E-01	9.42E+00	1.49E+00	3.27E-04	2.07E-03	5.09E-03	1.50E+00	1.81E+00	7.54E+00	1.89E-01	1.74E-01	9.71E+00
833	490486.72	3860635.12	9.61132	9.63134	1.0831	2.35044	1.57E+00	7.47E+00	2.10E-01	1.73E-01	9.43E+00	1.55E+00	3.24E-04	2.30E-03	5.06E-03	1.56E+00	1.88E+00	7.47E+00	2.10E-01	1.73E-01	9.74E+00
834	490536.72	3860635.12	9.72213	9.52198	1.2503	2.39657	1.59E+00	7.39E+00	2.42E-01	1.76E-01	9.40E+00	1.57E+00	3.20E-04	2.66E-03	5.16E-03	1.57E+00	1.90E+00	7.39E+00	2.42E-01	1.76E-01	9.71E+00
835	490586.72	3860635.12	9.53052	9.49419	1.3066	2.40449	1.56E+00	7.36E+00	2.53E-01	1.77E-01	9.35E+00	1.54E+00	3.19E-04	2.78E-03	5.18E-03	1.54E+00	1.86E+00	7.37E+00	2.53E-01	1.77E-01	9.66E+00
836	490636.72	3860635.12	9.76675	9.45323	1.3751	2.39556	1.60E+00	7.33E+00	2.67E-01	1.76E-01	9.37E+00	1.57E+00	3.18E-04	2.92E-03	5.16E-03	1.58E+00	1.91E+00	7.33E+00	2.67E-01	1.76E-01	9.69E+00
837	490686.72	3860635.12	9.89882	9.33353	1.4269	2.41524	1.62E+00	7.24E+00	2.77E-01	1.78E-01	9.31E+00	1.60E+00	3.14E-04	3.03E-03	5.20E-03	1.60E+00	1.94E+00	7.24E+00	2.77E-01	1.78E-01	9.63E+00
838	490736.72	3860635.12	9.59908	9.36729	1.3949	2.43389	1.57E+00	7.27E+00	2.70E-01	1.79E-01	9.29E+00	1.55E+00	3.15E-04	2.97E-03	5.24E-03	1.56E+00	1.88E+00	7.27E+00	2.70E-01	1.79E-01	9.59E+00
839	490786.72	3860635.12	9.14639	9.33522	1.3603	2.45229	1.50E+00	7.24E+00	2.64E-01	1.81E-01	9.18E+00	1.47E+00	3.14E-04	2.89E-03	5.28E-03	1.48E+00	1.79E+00	7.24E+00	2.64E-01	1.81E-01	9.48E+00
840	490136.72	3860685.12	8.4672	10.9126	0.9651	2.1809	1.38E+00	8.46E+00	1.87E-01	1.61E-01	1.02E+01	1.36E+00	3.67E-04	2.05E-03	4.69E-03	1.37E+00	1.66E+00	8.47E+00	1.87E-01	1.61E-01	1.05E+01
841	490186.72	3860685.12	8.6734	10.6109	0.9768	2.24675	1.42E+00	8.23E+00	1.89E-01	1.65E-01	1.00E+01	1.40E+00	3.56E-04	2.08E-03	4.84E-03	1.40E+00	1.70E+00	8.23E+00	1.89E-01	1.65E-01	1.03E+01
842	490236.72	3860685.12	9.13541	10.3937	0.9403	2.23353	1.49E+00	8.06E+00	1.82E-01	1.64E-01	9.90E+00	1.47E+00	3.49E-04	2.00E-03	4.81E-03	1.48E+00	1.79E+00	8.06E+00	1.82E-01	1.64E-01	1.02E+01
843	490286.72	3860685.12	9.11444	10.1379	0.9079	2.18269	1.49E+00	7.86E+00	1.76E-01	1.61E-01	9.69E+00	1.47E+00	3.41E-04	1.93E-03	4.70E-03	1.48E+00	1.78E+00	7.86E+00	1.76E-01	1.61E-01	9.98E+00
844	490336.72	3860685.12	9.67083	10.0665	0.9688	2.20744	1.58E+00	7.81E+00	1.88E-01	1.63E-01	9.74E+00	1.56E+00	3.38E-04	2.06E-03	4.75E-03	1.57E+00	1.89E+00	7.81E+00	1.88E-01	1.63E-01	1.01E+01
845	490386.72	3860685.12	9.39188	9.96013	0.9642	2.20265	1.54E+00	7.73E+00	1.87E-01	1.62E-01	9.61E+00	1.51E+00	3.35E-04	2.05E-03	4.74E-03	1.52E+00	1.84E+00	7.73E+00	1.87E-01	1.62E-01	9.91E+00
846	490436.72	3860685.12	9.2078	9.77686	0.9616	2.22172	1.51E+00	7.58E+00	1.86E-01	1.64E-01	9.44E+00	1.48E+00	3.28E-04	2.04E-03	4.78E-03	1.49E+00	1.80E+00	7.58E+00	1.86E-01	1.64E-01	9.74E+00
847	490486.72	3860685.12	9.07416	9.5954	0.9523	2.24905	1.48E+00	7.44E+00	1.85E-01	1.66E-01	9.28E+00	1.46E+00	3.22E-04	2.02E-03	4.84E-03	1.47E+00	1.78E+00	7.44E+00	1.85E-01	1.66E-01	9.57E+00
848	490536.72	3860685.12	9.42714	9.41347	1.076	2.23104	1.54E+00	7.30E+00	2.09E-01	1.64E-01	9.22E+00	1.52E+00	3.16E-04	2.29E-03	4.80E-03	1.53E+00	1.84E+00	7.30E+00	2.09E-01	1.64E-01	9.52E+00
849	490586.72	3860685.12	9.53	9.33297	1.2155	2.24678	1.56E+00	7.24E+00	2.36E-01	1.65E-01	9.20E+00	1.54E+00	3.14E-04	2.58E-03	4.84E-03	1.54E+00	1.86E+00	7.24E+00	2.36E-01	1.65E-01	9.51E+00
850	490636.72	3860685.12	9.35951	9.27346	1.2668	2.29895	1.53E+00	7.19E+00	2.46E-01	1.69E-01	9.14E+00	1.51E+00	3.12E-04	2.69E-03	4.95E-03	1.52E+00	1.83E+00	7.19E+00	2.46E-01	1.69E-01	9.44E+00

851	490686.72	3860685.12	9.57232	9.26991	1.3336	2.30553	1.57E+00	7.19E+00	2.59E-01	1.70E-01	9.18E+00	1.54E+00	3.11E-04	2.84E-03	4.96E-03	1.55E+00	1.87E+00	7.19E+00	2.59E-01	1.70E-01	9.49E+00
852	490736.72	3860685.12	9.72246	9.20525	1.3831	2.30981	1.59E+00	7.14E+00	2.68E-01	1.70E-01	9.17E+00	1.57E+00	3.09E-04	2.94E-03	4.97E-03	1.57E+00	1.90E+00	7.14E+00	2.68E-01	1.70E-01	9.48E+00
853	490786.72	3860685.12	9.46829	9.14013	1.3608	2.34788	1.55E+00	7.09E+00	2.64E-01	1.73E-01	9.08E+00	1.53E+00	3.07E-04	2.89E-03	5.05E-03	1.53E+00	1.85E+00	7.09E+00	2.64E-01	1.73E-01	9.38E+00
854	490136.72	3860735.12	8.65544	10.8699	0.8609	2.12892	1.42E+00	8.43E+00	1.67E-01	1.57E-01	1.02E+01	1.39E+00	3.65E-04	1.83E-03	4.58E-03	1.40E+00	1.69E+00	8.43E+00	1.67E-01	1.57E-01	1.04E+01
855	490186.72	3860735.12	8.17368	10.7136	0.9451	2.07196	1.34E+00	8.31E+00	1.83E-01	1.53E-01	9.98E+00	1.32E+00	3.60E-04	2.01E-03	4.46E-03	1.32E+00	1.60E+00	8.31E+00	1.83E-01	1.53E-01	1.02E+01
856	490236.72	3860735.12	8.42268	10.5157	0.9394	2.07225	1.38E+00	8.16E+00	1.82E-01	1.53E-01	9.87E+00	1.36E+00	3.53E-04	2.00E-03	4.46E-03	1.36E+00	1.65E+00	8.16E+00	1.82E-01	1.53E-01	1.01E+01
857	490286.72	3860735.12	8.92246	10.2394	0.9036	2.0646	1.46E+00	7.94E+00	1.75E-01	1.52E-01	9.73E+00	1.44E+00	3.44E-04	1.92E-03	4.44E-03	1.44E+00	1.75E+00	7.94E+00	1.75E-01	1.52E-01	1.00E+01
858	490336.72	3860735.12	8.96004	9.92698	0.9024	2.0336	1.47E+00	7.70E+00	1.75E-01	1.50E-01	9.49E+00	1.44E+00	3.33E-04	1.92E-03	4.38E-03	1.45E+00	1.75E+00	7.70E+00	1.75E-01	1.50E-01	9.78E+00
859	490386.72	3860735.12	9.50616	9.83264	0.9506	2.07257	1.55E+00	7.63E+00	1.84E-01	1.53E-01	9.52E+00	1.53E+00	3.30E-04	2.02E-03	4.46E-03	1.54E+00	1.86E+00	7.63E+00	1.84E-01	1.53E-01	9.82E+00
860	490436.72	3860735.12	9.25653	9.76867	0.9474	2.10151	1.51E+00	7.58E+00	1.84E-01	1.55E-01	9.43E+00	1.49E+00	3.28E-04	2.01E-03	4.52E-03	1.50E+00	1.81E+00	7.58E+00	1.84E-01	1.55E-01	9.73E+00
861	490486.72	3860735.12	9.06824	9.6431	0.9442	2.10987	1.48E+00	7.48E+00	1.83E-01	1.55E-01	9.30E+00	1.46E+00	3.24E-04	2.01E-03	4.54E-03	1.47E+00	1.77E+00	7.48E+00	1.83E-01	1.55E-01	9.59E+00
862	490536.72	3860735.12	8.90797	9.37854	0.938	2.10165	1.46E+00	7.27E+00	1.82E-01	1.55E-01	9.07E+00	1.44E+00	3.15E-04	1.99E-03	4.52E-03	1.44E+00	1.74E+00	7.28E+00	1.82E-01	1.55E-01	9.36E+00
863	490586.72	3860735.12	9.24733	9.27871	1.0698	2.11974	1.51E+00	7.20E+00	2.07E-01	1.56E-01	9.07E+00	1.49E+00	3.12E-04	2.27E-03	4.56E-03	1.50E+00	1.81E+00	7.20E+00	2.07E-01	1.56E-01	9.37E+00
864	490636.72	3860735.12	9.36111	9.16608	1.1834	2.10792	1.53E+00	7.11E+00	2.29E-01	1.55E-01	9.03E+00	1.51E+00	3.08E-04	2.52E-03	4.54E-03	1.52E+00	1.83E+00	7.11E+00	2.29E-01	1.55E-01	9.33E+00
865	490686.72	3860735.12	9.17639	9.09391	1.2296	2.15849	1.50E+00	7.05E+00	2.38E-01	1.59E-01	8.95E+00	1.48E+00	3.05E-04	2.61E-03	4.65E-03	1.49E+00	1.80E+00	7.05E+00	2.38E-01	1.59E-01	9.25E+00
866	490736.72	3860735.12	9.37607	9.08867	1.2913	2.18605	1.53E+00	7.05E+00	2.50E-01	1.61E-01	8.99E+00	1.51E+00	3.05E-04	2.75E-03	4.71E-03	1.52E+00	1.83E+00	7.05E+00	2.50E-01	1.61E-01	9.30E+00
867	490136.72	3860785.12	8.75122	11.0575	0.7905	1.89414	1.43E+00	8.58E+00	1.53E-01	1.39E-01	1.03E+01	1.41E+00	3.71E-04	1.68E-03	4.08E-03	1.42E+00	1.71E+00	8.58E+00	1.53E-01	1.39E-01	1.06E+01
868	490186.72	3860785.12	8.44643	10.7795	0.8615	1.93474	1.38E+00	8.36E+00	1.67E-01	1.42E-01	1.01E+01	1.36E+00	3.62E-04	1.83E-03	4.17E-03	1.37E+00	1.65E+00	8.36E+00	1.67E-01	1.42E-01	1.03E+01
869	490236.72	3860785.12	7.96901	10.5916	0.929	1.92674	1.30E+00	8.22E+00	1.80E-01	1.42E-01	9.84E+00	1.28E+00	3.56E-04	1.98E-03	4.15E-03	1.29E+00	1.56E+00	8.22E+00	1.80E-01	1.42E-01	1.01E+01
870	490286.72	3860785.12	8.28462	10.4415	0.905	1.89432	1.36E+00	8.10E+00	1.75E-01	1.39E-01	9.77E+00	1.33E+00	3.51E-04	1.92E-03	4.08E-03	1.34E+00	1.62E+00	8.10E+00	1.75E-01	1.39E-01	1.00E+01
871	490336.72	3860785.12	8.75935	10.1954	0.8718	1.92984	1.43E+00	7.91E+00	1.69E-01	1.42E-01	9.65E+00	1.41E+00	3.42E-04	1.85E-03	4.15E-03	1.42E+00	1.71E+00	7.91E+00	1.69E-01	1.42E-01	9.93E+00
872	490386.72	3860785.12	8.81045	9.86942	0.897	1.92086	1.44E+00	7.66E+00	1.74E-01	1.41E-01	9.41E+00	1.42E+00	3.32E-04	1.91E-03	4.14E-03	1.43E+00	1.72E+00	7.66E+00	1.74E-01	1.41E-01	9.70E+00
873	490436.72	3860785.12	9.34003	9.64211	0.9326	1.90861	1.53E+00	7.48E+00	1.81E-01	1.41E-01	9.33E+00	1.50E+00	3.24E-04	1.98E-03	4.11E-03	1.51E+00	1.83E+00	7.48E+00	1.81E-01	1.41E-01	9.63E+00
874	490486.72	3860785.12	9.06936	9.53901	0.9285	1.95521	1.48E+00	7.40E+00	1.80E-01	1.44E-01	9.21E+00	1.46E+00	3.20E-04	1.97E-03	4.21E-03	1.47E+00	1.77E+00	7.40E+00	1.80E-01	1.44E-01	9.50E+00
875	490536.72	3860785.12	8.89537	9.44417	0.9254	1.97935	1.45E+00	7.33E+00	1.79E-01	1.46E-01	9.11E+00	1.43E+00	3.17E-04	1.97E-03	4.26E-03	1.44E+00	1.74E+00	7.33E+00	1.79E-01	1.46E-01	9.39E+00
876	490586.72	3860785.12	8.72648	9.2415	0.9342	1.98389	1.43E+00	7.17E+00	1.81E-01	1.46E-01	8.92E+00	1.41E+00	3.10E-04	1.99E-03	4.27E-03	1.41E+00	1.71E+00	7.17E+00	1.81E-01	1.46E-01	9.20E+00
877	490636.72	3860785.12	9.05937	9.14827	1.0645	2.00202	1.48E+00	7.10E+00	2.06E-01	1.47E-01	8.93E+00	1.46E+00	3.07E-04	2.26E-03	4.31E-03	1.47E+00	1.77E+00	7.10E+00	2.06E-01	1.47E-01	9.22E+00
878	490686.72	3860785.12	9.20448	9.02308	1.1535	2.01731	1.51E+00	7.00E+00	2.24E-01	1.49E-01	8.88E+00	1.48E+00	3.03E-04	2.45E-03	4.34E-03	1.49E+00	1.80E+00	7.00E+00	2.24E-01	1.49E-01	9.17E+00
879	490736.72	3860785.12	9.01879	8.95749	1.1942	2.03008	1.48E+00	6.95E+00	2.32E-01	1.49E-01	8.80E+00	1.45E+00	3.01E-04	2.54E-03	4.37E-03	1.46E+00	1.76E+00	6.95E+00	2.32E-01	1.49E-01	9.09E+00
880	490086.72	3860835.12	8.94766	11.6367	0.7866	1.70174	1.46E+00	9.03E+00	1.53E-01	1.25E-01	1.08E+01	1.44E+00	3.91E-04	1.67E-03	3.66E-03	1.45E+00	1.75E+00	9.03E+00	1.53E-01	1.25E-01	1.11E+01
881	490136.72	3860835.12	8.90568	11.3499	0.782	1.72061	1.46E+00	8.80E+00	1.52E-01	1.27E-01	1.05E+01	1.43E+00	3.81E-04	1.66E-03	3.70E-03	1.44E+00	1.74E+00	8.80E+00	1.52E-01	1.27E-01	1.08E+01
882	490186.72	3860835.12	8.56248	11.0191	0.7762	1.75325	1.40E+00	8.55E+00	1.51E-01	1.29E-01	1.02E+01	1.38E+00	3.70E-04	1.65E-03	3.77E-03	1.39E+00	1.68E+00	8.55E+00	1.51E-01	1.29E-01	1.05E+01
883	490236.72	3860835.12	8.27329	10.7433	0.8646	1.78596	1.35E+00	8.33E+00	1.68E-01	1.31E-01	9.99E+00	1.33E+00	3.61E-04	1.84E-03	3.84E-03	1.34E+00	1.62E+00	8.33E+00	1.68E-01	1.31E-01	1.03E+01
884	490286.72	3860835.12	7.82374	10.5099	0.9141	1.81982	1.28E+00	8.15E+00	1.77E-01	1.34E-01	9.74E+00	1.26E+00	3.53E-04	1.94E-03	3.92E-03	1.27E+00	1.53E+00	8.15E+00	1.77E-01	1.34E-01	1.00E+01
885	490336.72	3860835.12	8.15419	10.369	0.8732	1.77523	1.33E+00	8.04E+00	1.69E-01	1.31E-01	9.68E+00	1.31E+00	3.48E-04	1.86E-03	3.82E-03	1.32E+00	1.60E+00	8.04E+00	1.69E-01	1.31E-01	9.94E+00
886	490386.72	3860835.12	8.60071	10.1333	0.8425	1.76048	1.41E+00	7.86E+00	1.63E-01	1.30E-01	9.56E+00	1.39E+00	3.40E-04	1.79E-03	3.79E-03	1.39E+00	1.68E+00	7.86E+00	1.63E-01	1.30E-01	9.84E+00
887	490436.72	3860835.12	8.64476	9.83235	0.8894	1.80796	1.41E+00	7.63E+00	1.72E-01	1.33E-01	9.35E+00	1.39E+00	3.30E-04	1.89E-03	3.89E-03	1.40E+00	1.69E+00	7.63E+00	1.72E-01	1.33E-01	9.62E+00
888	490486.72	3860835.12	9.17776	9.6035	0.9153	1.8131	1.50E+00	7.45E+00	1.77E-01	1.33E-01	9.26E+00	1.48E+00	3.23E-04	1.95E-03	3.90E-03	1.49E+00	1.80E+00	7.45E+00	1.77E-01	1.33E-01	9.56E+00
889	490536.72	3860835.12	8.8785	9.39582	0.9099	1.83766	1.45E+00	7.29E+00	1.76E-01	1.35E-01	9.05E+00	1.43E+00	3.16E-04	1.93E-03	3.96E-03	1.44E+00	1.74E+00	7.29E+00	1.76E-01	1.35E-01	9.34E+00
890	490586.72	3860835.12	8.7175	9.26706	0.9067	1.87925	1.43E+00	7.19E+00	1.76E-01	1.38E-01	8.93E+00	1.40E+00	3.11E-04	1.93E-03	4.05E-03	1.41E+00	1.71E+00	7.19E+00	1.76E-01	1.38E-01	9.21E+00
891	490636.72	3860835.12	8.56127	9.17393	0.9315	1.89967	1.40E+00	7.12E+00	1.81E-01	1.40E-01	8.84E+00	1.38E+00	3.08E-04	1.98E-03	4.09E-03	1.39E+00	1.68E+00	7.12E+00	1.81E-01	1.40E-01	9.11E+00
892	490686.72	3860835.12	8.90017	8.98396	1.0609	1.90217	1.46E+00	6.97E+00	2.06E-01	1.40E-01	8.77E+00	1.43E+00	3.02E-04	2.26E-03	4.09E-03	1.44E+00	1.74E+00	6.97E+00	2.06E-01	1.40E-01	9.06E+00
893	490736.72	3860835.12	9.06983	8.93771	1.1255	1.93714	1.48E+00	6.93E+00	2.18E-01	1.43E-01	8.78E+00	1.46E+00	3.00E-04	2.39E-03	4.17E-03	1.47E+00	1.77E+00	6.93E+00	2.18E-01	1.43E-01	9.07E+00
894	490086.72	3860885.12	8.87148	12.0455	0.7708	1.63881	1.45E+00	9.34E+00	1.49E-01	1.21E-01	1.11E+01	1.43E+00	4.05E-04	1.64E-03	3.53E-03	1.44E+00	1.74E+00	9.34E+00	1.49E-01	1.21E-01	1.14E+01
895	490136.72	3860885.12	8.80854	11.5915	0.7731	1.63705	1.44E+00	8.99E+00	1.50E-01	1.21E-01	1.07E+01	1.42E+00	3.89E-04	1.64E-03	3.52E-03	1.42E+00	1.72E+00	8.99E+00	1.50E-01	1.21E-01	1.10E+01
896	490186.72	3860885.12	8.75702	11.2533	0.7676	1.61944	1.43E+00	8.73E+00	1.49E-01	1.19E-01	1.04E+01	1.41E+00	3.78E-04	1.63E-03	3.49E-03	1.42E+00	1.71E+00	8.73E+00	1.49E-01	1.19E-01	1.07E+01
897	490236.72	3860885.12	8.37404	10.961	0.7732	1.64276	1.37E+00	8.50E+00	1.50E-01	1.21E-01	1.01E+01	1.35E+00	3.68E-04	1.64E-03	3.54E-03	1.35E+00	1.64E+00	8.50E+00	1.50E-01	1.21E-01	1.04E+01
898	490286.72	3860885.12	8.11153	10.7149	0.869	1.66517	1.33E+00	8.31E+00	1.69E-01	1.23E-01	9.93E+00	1.31E+00	3.60E-04	1.85E-03	3.58E-03	1.31E+00	1.59E+00	8.31E+00	1.69E-01	1.23E-01	1.02E+01
899	490336.72	3860885.12	7.69236	10.4604	0.8864	1.68853	1.26E+00	8.11E+00	1.72E-01	1.24E-01	9.67E+00	1.24E+00	3.51E-04	1.88E-03	3.63E-03	1.25E+00	1.51E+00	8.11E+00	1.72E-01	1.24E-01	9.92E+00
900	490386.72	3860885.12	8.03496	10.2563	0.8457	1.68695	1.31E+00	7.96E+00	1.64E-01	1.24E-01	9.56E+00	1.29E+00	3.45E-04	1.80E-03	3.63E-03	1.30E+00	1.57E+00	7.96E+00	1.64E-01	1.24E-01	9.82E+00
901	490436.72	3860885.12	8.461	10.0967	0.8157	1.65445	1.38E+00	7.83E+00	1.58E-01	1.22E-01	9.50E+00	1.36E+00	3.39E-04	1.73E-03	3.56E-03	1.37E+00	1.66E+00	7.83E+00	1.58E-01	1.22E-01	9.77E+00
902	490486.72	3860885.12	8.50079	9.81375	0.8838	1.68601	1.39E+00	7.61E+00	1.71E-01	1.24E-01	9.30E+00	1.37E+00	3.30E-04	1.88E-03	3.63E-03	1.38E+00	1.66E+00	7.61E+00	1.71E-01	1.24E-01	9.57E+00
903	490536.72	3860885.12	9.01681	9.56698	0.8984	1.72656	1.47E+00	7.42E+00	1.74E-01	1.27E-01	9.20E+00	1.45E+00	3.21E-04	1.91E-03	3.72E-03	1.46E+00	1.76E+00	7.42E+00	1.74E-01	1.27E-01	9.49E+00
904	490586.72	3860885.12	8.7059	9.33985	0.8925	1.73497	1.42E+00	7.24E+00	1.73E-01	1.28E-01	8.97E+00	1.40E+00	3.14E-04	1.90E-03	3.73E-03	1.41E+00	1.70E+00	7.25E+00	1.73E-01	1.28E-01	9.25E+00
905	490636.72	3860885.12	8.55734	9.15057	0.8894	1.77178	1.40E+00	7.10E+00	1.72E-01	1.30E-01	8.80E+00	1.38E+00	3.07E-04	1.89E-03	3.81E-03	1.38E+00	1.67E+00	7.10E+00	1.72E-01	1.30E-01	9.08E+00
906	490686.72	3860885.12	8.4098	9.0701	0.9294	1.81002	1.38E+00	7.04E+00	1.80E-01	1.33E-01	8.72E+00	1.36E+00	3.05E-04	1.98E-03	3.90E-03	1.36E+00	1.65E+00	7.04E+00	1.80E-01	1.33E-01	9.00E+00
907	490736.72	3860885.12	8.73891	8.89609	1.0576	1.84008	1.43E+00	6.90E+00	2.05E-01	1.35E-01	8.67E+00	1.41E+00	2.99E-04	2.25E-03	3.96E-03	1.41E+00	1.71E+00	6.90E+00	2.05E-01	1.35E-01	8.95E+00
908	490086.72	3860935.12	8.65667	12.2573	0.7494	1.52511	1.42E+00	9.51E+00	1.45E-01	1.12E-01	1.12E+01	1.39E+00	4.12E-04	1.59E-03	3.28E-03	1.40E+00	1.69E+00	9.51E+00	1.45E-01	1.12E-01	1.15E+01
909	490136.72	3860935.12	8.67566	11.9099	0.7611	1.54334	1.42E+00	9.24E+00	1.48E-01	1.14E-01	1.09E+01	1.40E+00	4.00E-04	1.62E-03	3.32E-03	1.40E+00	1.70E+00	9.24E+00	1.48E-01	1.14E-01	1.12E+01
910	490186.72	3860935.12	8.62652	11.5007	0.7588	1.55821	1.41E+00	8.92E+00	1.47E-01	1.15E-01	1.06E+01	1.39E+00	3.86E-04	1.61E-03	3.35E-03	1.40E+00	1.69E+00	8.92E+00	1.47E-01	1.15E-01	1.09E+01
911	490236.72	3860935.12	8.59411	11.1698	0.754	1.53364	1.41E+00	8.66E+00	1.46E-01	1.13E-01	1.03E+01	1.38E+00	3.75E-04	1.60E-03	3.30E-03	1.39E+00	1.68E+00	8.66E+00	1.46E-01	1.13E-01	1.06E+01

912	490286.72	3860935.12	8.17838	10.9088	0.7772	1.54401	1.34E+00	8.46E+00	1.51E-01	1.14E-01	1.01E+01	1.32E+00	3.66E-04	1.65E-03	3.32E-03	1.32E+00	1.60E+00	8.46E+00	1.51E-01	1.14E-01	1.03E+01
913	490336.72	3860935.12	7.93632	10.6201	0.8723	1.56351	1.30E+00	8.24E+00	1.69E-01	1.15E-01	9.82E+00	1.28E+00	3.57E-04	1.85E-03	3.37E-03	1.28E+00	1.55E+00	8.24E+00	1.69E-01	1.15E-01	1.01E+01
914	490386.72	3860935.12	7.58171	10.4237	0.8573	1.58423	1.24E+00	8.09E+00	1.66E-01	1.17E-01	9.61E+00	1.22E+00	3.50E-04	1.82E-03	3.41E-03	1.23E+00	1.48E+00	8.09E+00	1.66E-01	1.17E-01	9.85E+00
915	490436.72	3860935.12	7.9289	10.2182	0.8204	1.60666	1.30E+00	7.93E+00	1.59E-01	1.18E-01	9.50E+00	1.28E+00	3.43E-04	1.74E-03	3.46E-03	1.28E+00	1.55E+00	7.93E+00	1.59E-01	1.18E-01	9.76E+00
916	490486.72	3860935.12	8.31258	10.0195	0.8034	1.57254	1.36E+00	7.77E+00	1.56E-01	1.16E-01	9.40E+00	1.34E+00	3.37E-04	1.71E-03	3.39E-03	1.34E+00	1.63E+00	7.77E+00	1.56E-01	1.16E-01	9.67E+00
917	490536.72	3860935.12	8.35701	9.79417	0.8779	1.58522	1.37E+00	7.60E+00	1.70E-01	1.17E-01	9.25E+00	1.35E+00	3.29E-04	1.87E-03	3.41E-03	1.35E+00	1.64E+00	7.60E+00	1.70E-01	1.17E-01	9.52E+00
918	490586.72	3860935.12	8.86149	9.54303	0.882	1.62373	1.45E+00	7.40E+00	1.71E-01	1.20E-01	9.14E+00	1.43E+00	3.21E-04	1.88E-03	3.50E-03	1.43E+00	1.73E+00	7.40E+00	1.71E-01	1.20E-01	9.43E+00
919	490636.72	3860935.12	8.54528	9.30961	0.876	1.65422	1.40E+00	7.22E+00	1.70E-01	1.22E-01	8.91E+00	1.38E+00	3.13E-04	1.86E-03	3.56E-03	1.38E+00	1.67E+00	7.22E+00	1.70E-01	1.22E-01	9.19E+00
920	490686.72	3860935.12	8.41127	9.11267	0.8732	1.68371	1.38E+00	7.07E+00	1.69E-01	1.24E-01	8.74E+00	1.36E+00	3.06E-04	1.86E-03	3.62E-03	1.36E+00	1.65E+00	7.07E+00	1.69E-01	1.24E-01	9.01E+00
921	490736.72	3860935.12	8.26302	8.95655	0.928	1.71134	1.35E+00	6.95E+00	1.80E-01	1.26E-01	8.61E+00	1.33E+00	3.01E-04	1.97E-03	3.68E-03	1.34E+00	1.62E+00	6.95E+00	1.80E-01	1.26E-01	8.87E+00
922	490786.72	3860935.12	8.58229	8.85089	1.0318	1.73296	1.40E+00	6.87E+00	2.00E-01	1.28E-01	8.60E+00	1.38E+00	2.97E-04	2.19E-03	3.73E-03	1.39E+00	1.68E+00	6.87E+00	2.00E-01	1.28E-01	8.87E+00
923	490836.72	3860935.12	8.77794	8.71167	1.0704	1.7816	1.44E+00	6.76E+00	2.08E-01	1.31E-01	8.53E+00	1.41E+00	2.93E-04	2.28E-03	3.84E-03	1.42E+00	1.72E+00	6.76E+00	2.08E-01	1.31E-01	8.81E+00
924	490086.72	3860985.12	8.60291	12.461	0.7267	1.41319	1.41E+00	9.67E+00	1.41E-01	1.04E-01	1.13E+01	1.39E+00	4.19E-04	1.55E-03	3.04E-03	1.39E+00	1.68E+00	9.67E+00	1.41E-01	1.04E-01	1.16E+01
925	490136.72	3860985.12	8.55235	12.0759	0.7397	1.43616	1.40E+00	9.37E+00	1.43E-01	1.06E-01	1.10E+01	1.38E+00	4.06E-04	1.57E-03	3.09E-03	1.38E+00	1.67E+00	9.37E+00	1.43E-01	1.06E-01	1.13E+01
926	490186.72	3860985.12	8.52708	11.7614	0.7514	1.43468	1.39E+00	9.12E+00	1.46E-01	1.06E-01	1.08E+01	1.37E+00	3.95E-04	1.60E-03	3.09E-03	1.38E+00	1.67E+00	9.12E+00	1.46E-01	1.06E-01	1.10E+01
927	490236.72	3860985.12	8.48196	11.4122	0.7459	1.44333	1.39E+00	8.85E+00	1.45E-01	1.06E-01	1.05E+01	1.37E+00	3.83E-04	1.59E-03	3.11E-03	1.37E+00	1.66E+00	8.85E+00	1.45E-01	1.06E-01	1.08E+01
928	490286.72	3860985.12	8.42202	11.0564	0.7301	1.45493	1.38E+00	8.58E+00	1.42E-01	1.07E-01	1.02E+01	1.36E+00	3.71E-04	1.55E-03	3.13E-03	1.36E+00	1.65E+00	8.58E+00	1.42E-01	1.07E-01	1.05E+01
929	490336.72	3860985.12	7.98209	10.8191	0.7805	1.44293	1.31E+00	8.39E+00	1.51E-01	1.06E-01	9.96E+00	1.29E+00	3.63E-04	1.66E-03	3.11E-03	1.29E+00	1.56E+00	8.39E+00	1.51E-01	1.06E-01	1.02E+01
930	490386.72	3860985.12	7.79147	10.5756	0.8579	1.46763	1.27E+00	8.20E+00	1.66E-01	1.08E-01	9.75E+00	1.26E+00	3.55E-04	1.82E-03	3.16E-03	1.26E+00	1.52E+00	8.20E+00	1.66E-01	1.08E-01	1.00E+01
931	490436.72	3860985.12	7.4833	10.3611	0.8298	1.49767	1.22E+00	8.04E+00	1.61E-01	1.10E-01	9.53E+00	1.21E+00	3.48E-04	1.76E-03	3.22E-03	1.21E+00	1.46E+00	8.04E+00	1.61E-01	1.10E-01	9.77E+00
932	490486.72	3860985.12	7.81565	10.1482	0.7961	1.51791	1.28E+00	7.87E+00	1.54E-01	1.12E-01	9.42E+00	1.26E+00	3.41E-04	1.69E-03	3.27E-03	1.26E+00	1.53E+00	7.87E+00	1.54E-01	1.12E-01	9.67E+00
933	490536.72	3860985.12	8.16458	9.96036	0.7975	1.5431	1.34E+00	7.73E+00	1.55E-01	1.14E-01	9.33E+00	1.32E+00	3.35E-04	1.70E-03	3.32E-03	1.32E+00	1.60E+00	7.73E+00	1.55E-01	1.14E-01	9.59E+00
934	490586.72	3860985.12	8.20785	9.74582	0.8662	1.49268	1.34E+00	7.56E+00	1.68E-01	1.10E-01	9.18E+00	1.32E+00	3.27E-04	1.84E-03	3.21E-03	1.33E+00	1.61E+00	7.56E+00	1.68E-01	1.10E-01	9.44E+00
935	490636.72	3860985.12	8.7153	9.5099	0.8655	1.53615	1.43E+00	7.38E+00	1.68E-01	1.13E-01	9.08E+00	1.40E+00	3.19E-04	1.84E-03	3.31E-03	1.41E+00	1.71E+00	7.38E+00	1.68E-01	1.13E-01	9.36E+00
936	490686.72	3860985.12	8.39674	9.28452	0.8604	1.57825	1.37E+00	7.20E+00	1.67E-01	1.16E-01	8.86E+00	1.35E+00	3.12E-04	1.83E-03	3.40E-03	1.36E+00	1.64E+00	7.20E+00	1.67E-01	1.16E-01	9.13E+00
937	490736.72	3860985.12	8.26553	9.06263	0.8574	1.60554	1.35E+00	7.03E+00	1.66E-01	1.18E-01	8.67E+00	1.33E+00	3.04E-04	1.82E-03	3.46E-03	1.34E+00	1.62E+00	7.03E+00	1.66E-01	1.18E-01	8.93E+00
938	490786.72	3860985.12	8.12624	8.90636	0.9271	1.62416	1.33E+00	6.91E+00	1.80E-01	1.20E-01	8.54E+00	1.31E+00	2.99E-04	1.97E-03	3.50E-03	1.32E+00	1.59E+00	6.91E+00	1.80E-01	1.20E-01	8.80E+00
939	490836.72	3860985.12	8.43971	8.75381	1.0035	1.66074	1.38E+00	6.79E+00	1.95E-01	1.22E-01	8.49E+00	1.36E+00	2.94E-04	2.13E-03	3.58E-03	1.37E+00	1.65E+00	6.79E+00	1.95E-01	1.22E-01	8.76E+00
940	490086.72	3861035.12	8.32855	12.6304	0.7075	1.39865	1.36E+00	9.80E+00	1.37E-01	1.03E-01	1.14E+01	1.34E+00	4.24E-04	1.50E-03	3.01E-03	1.35E+00	1.63E+00	9.80E+00	1.37E-01	1.03E-01	1.17E+01
941	490136.72	3861035.12	8.46079	12.2837	0.7135	1.36446	1.38E+00	9.53E+00	1.38E-01	1.00E-01	1.12E+01	1.36E+00	4.13E-04	1.52E-03	2.94E-03	1.37E+00	1.66E+00	9.53E+00	1.38E-01	1.00E-01	1.14E+01
942	490186.72	3861035.12	8.47734	11.9258	0.7278	1.36531	1.39E+00	9.25E+00	1.41E-01	1.01E-01	1.09E+01	1.37E+00	4.01E-04	1.55E-03	2.94E-03	1.37E+00	1.66E+00	9.25E+00	1.41E-01	1.01E-01	1.12E+01
943	490236.72	3861035.12	8.35725	11.5601	0.7385	1.36942	1.37E+00	8.97E+00	1.43E-01	1.01E-01	1.06E+01	1.35E+00	3.88E-04	1.57E-03	2.95E-03	1.35E+00	1.64E+00	8.97E+00	1.43E-01	1.01E-01	1.08E+01
944	490286.72	3861035.12	8.3177	11.2919	0.7332	1.36052	1.36E+00	8.76E+00	1.42E-01	1.00E-01	1.04E+01	1.34E+00	3.79E-04	1.56E-03	2.93E-03	1.35E+00	1.63E+00	8.76E+00	1.42E-01	1.00E-01	1.06E+01
945	490336.72	3861035.12	8.23752	10.9529	0.7138	1.37244	1.35E+00	8.50E+00	1.38E-01	1.01E-01	1.01E+01	1.33E+00	3.68E-04	1.52E-03	2.95E-03	1.33E+00	1.61E+00	8.50E+00	1.38E-01	1.01E-01	1.03E+01
946	490386.72	3861035.12	7.80846	10.7169	0.7865	1.37615	1.28E+00	8.31E+00	1.53E-01	1.01E-01	9.84E+00	1.26E+00	3.60E-04	1.67E-03	2.96E-03	1.26E+00	1.53E+00	8.31E+00	1.53E-01	1.01E-01	1.01E+01
947	490436.72	3861035.12	7.66328	10.5336	0.833	1.36263	1.25E+00	8.17E+00	1.62E-01	1.00E-01	9.69E+00	1.23E+00	3.54E-04	1.77E-03	2.93E-03	1.24E+00	1.50E+00	8.17E+00	1.62E-01	1.00E-01	9.93E+00
948	490486.72	3861035.12	7.38252	10.2997	0.8035	1.3924	1.21E+00	7.99E+00	1.56E-01	1.03E-01	9.46E+00	1.19E+00	3.46E-04	1.71E-03	3.00E-03	1.19E+00	1.44E+00	7.99E+00	1.56E-01	1.03E-01	9.69E+00
949	490536.72	3861035.12	7.70413	10.08	0.7726	1.42697	1.26E+00	7.82E+00	1.50E-01	1.05E-01	9.33E+00	1.24E+00	3.39E-04	1.64E-03	3.07E-03	1.25E+00	1.51E+00	7.82E+00	1.50E-01	1.05E-01	9.58E+00
950	490586.72	3861035.12	8.02414	9.86939	0.7923	1.46067	1.31E+00	7.66E+00	1.54E-01	1.08E-01	9.23E+00	1.29E+00	3.32E-04	1.68E-03	3.14E-03	1.30E+00	1.57E+00	7.66E+00	1.54E-01	1.08E-01	9.49E+00
951	490636.72	3861035.12	8.07167	9.6708	0.8503	1.46398	1.32E+00	7.50E+00	1.65E-01	1.08E-01	9.09E+00	1.30E+00	3.25E-04	1.81E-03	3.15E-03	1.31E+00	1.58E+00	7.50E+00	1.65E-01	1.08E-01	9.35E+00
952	490686.72	3861035.12	8.56532	9.48123	0.8492	1.46052	1.40E+00	7.35E+00	1.65E-01	1.08E-01	9.03E+00	1.38E+00	3.18E-04	1.81E-03	3.14E-03	1.39E+00	1.68E+00	7.36E+00	1.65E-01	1.08E-01	9.30E+00
953	490736.72	3861035.12	8.24618	9.23987	0.8451	1.50025	1.35E+00	7.17E+00	1.64E-01	1.10E-01	8.79E+00	1.33E+00	3.10E-04	1.80E-03	3.23E-03	1.33E+00	1.61E+00	7.17E+00	1.64E-01	1.10E-01	9.06E+00
954	490786.72	3861035.12	8.13142	9.03582	0.8448	1.53054	1.33E+00	7.01E+00	1.64E-01	1.13E-01	8.62E+00	1.31E+00	3.04E-04	1.80E-03	3.29E-03	1.32E+00	1.59E+00	7.01E+00	1.64E-01	1.13E-01	8.88E+00
955	490836.72	3861035.12	8.0011	8.8739	0.9272	1.57208	1.31E+00	6.88E+00	1.80E-01	1.16E-01	8.49E+00	1.29E+00	2.98E-04	1.97E-03	3.38E-03	1.29E+00	1.57E+00	6.88E+00	1.80E-01	1.16E-01	8.75E+00
956	490086.72	3861085.12	8.1119	12.365	0.6922	1.34381	1.33E+00	9.59E+00	1.34E-01	9.89E-02	1.12E+01	1.31E+00	4.15E-04	1.47E-03	2.89E-03	1.31E+00	1.59E+00	9.59E+00	1.34E-01	9.89E-02	1.14E+01
957	490136.72	3861085.12	8.22479	12.329	0.6951	1.3344	1.35E+00	9.56E+00	1.35E-01	9.82E-02	1.11E+01	1.33E+00	4.14E-04	1.48E-03	2.87E-03	1.33E+00	1.61E+00	9.56E+00	1.35E-01	9.82E-02	1.14E+01
958	490186.72	3861085.12	8.34559	12.1563	0.7021	1.32206	1.37E+00	9.43E+00	1.36E-01	9.73E-02	1.10E+01	1.34E+00	4.08E-04	1.49E-03	2.85E-03	1.35E+00	1.63E+00	9.43E+00	1.36E-01	9.73E-02	1.13E+01
959	490236.72	3861085.12	8.397	11.8173	0.7164	1.30801	1.37E+00	9.17E+00	1.39E-01	9.63E-02	1.08E+01	1.35E+00	3.97E-04	1.52E-03	2.82E-03	1.36E+00	1.64E+00	9.17E+00	1.39E-01	9.63E-02	1.10E+01
960	490286.72	3861085.12	8.19805	11.4432	0.7263	1.31138	1.34E+00	8.88E+00	1.41E-01	9.65E-02	1.05E+01	1.32E+00	3.84E-04	1.54E-03	2.82E-03	1.33E+00	1.60E+00	8.88E+00	1.41E-01	9.65E-02	1.07E+01
961	490336.72	3861085.12	8.18948	11.1491	0.7213	1.30358	1.34E+00	8.65E+00	1.40E-01	9.60E-02	1.02E+01	1.32E+00	3.75E-04	1.53E-03	2.81E-03	1.32E+00	1.60E+00	8.65E+00	1.40E-01	9.60E-02	1.05E+01
962	490386.72	3861085.12	8.06861	10.8926	0.7158	1.30374	1.32E+00	8.45E+00	1.39E-01	9.60E-02	1.00E+01	1.30E+00	3.66E-04	1.52E-03	2.81E-03	1.30E+00	1.58E+00	8.45E+00	1.39E-01	9.60E-02	1.03E+01
963	490436.72	3861085.12	7.66068	10.6112	0.7925	1.31605	1.25E+00	8.23E+00	1.54E-01	9.69E-02	9.73E+00	1.23E+00	3.56E-04	1.68E-03	2.83E-03	1.24E+00	1.50E+00	8.23E+00	1.54E-01	9.69E-02	9.98E+00
964	490486.72	3861085.12	7.51742	10.4092	0.8083	1.31786	1.23E+00	8.07E+00	1.57E-01	9.70E-02	9.56E+00	1.21E+00	3.50E-04	1.72E-03	2.84E-03	1.22E+00	1.47E+00	8.07E+00	1.57E-01	9.70E-02	9.80E+00
965	490536.72	3861085.12	7.27539	10.2246	0.779	1.31099	1.19E+00	7.93E+00	1.51E-01	9.65E-02	9.37E+00	1.17E+00	3.43E-04	1.66E-03	2.82E-03	1.18E+00	1.42E+00	7.93E+00	1.51E-01	9.65E-02	9.60E+00
966	490586.72	3861085.12	7.59473	10.0083	0.7498	1.34389	1.24E+00	7.76E+00	1.45E-01	9.89E-02	9.25E+00	1.22E+00	3.36E-04	1.59E-03	2.89E-03	1.23E+00	1.49E+00	7.76E+00	1.45E-01	9.89E-02	9.49E+00
967	490636.72	3861085.12	7.8788	9.78138	0.7865	1.37856	1.29E+00	7.59E+00	1.53E-01	1.01E-01	9.13E+00	1.27E+00	3.29E-04	1.67E-03	2.97E-03	1.27E+00	1.54E+00	7.59E+00	1.53E-01	1.01E-01	9.38E+00
968	490686.72	3861085.12	7.9322	9.60082	0.8346	1.40852	1.30E+00	7.45E+00	1.62E-01	1.04E-01	9.01E+00	1.28E+00	3.23E-04	1.77E-03	3.03E-03	1.28E+00	1.55E+00	7.45E+00	1.62E-01	1.04E-01	9.27E+00
969	490736.72	3861085.12	8.42629	9.43684	0.8339	1.38653	1.38E+00	7.32E+00	1.62E-01	1.02E-01	8.96E+00	1.36E+00	3.17E-04	1.77E-03	2.98E-03	1.36E+00	1.65E+00	7.32E+00	1.62E-01	1.02E-01	9.23E+00
970	490786.72	3861085.12	8.11109	9.2007	0.8307	1.42006	1.33E+00	7.14E+00	1.61E-01	1.05E-01	8.73E+00	1.31E+00	3.09E-04	1.77E-03	3.06E-03	1.31E+00	1.59E+00	7.14E+00	1.61E-01	1.05E-01	8.99E+00
971	490836.72	3861085.12	8.00033	9.00469	0.8427	1.46243	1.31E+00	6.98E+00	1.63E-01	1.08E-01	8.56E+00	1.29E+00	3.02E-04	1.79E-03	3.15E-03	1.29E+00	1.57E+00	6.99E+00	1.63E-01	1.08E-01	8.82E+00
972	490086.72	3861135.12	8.19203	12.4391	0.6827	1.26121	1.34E+00	9.65E+00	1.32E-01	9.29E-02	1.12E+01	1.32E+00	4.18E-04	1.45E-03	2.72E-03	1.32E+00	1.60E+00	9.65E+00	1.32E-01	9.29E-02	1.15E+01

973	490136.72	3861135.12	7.95903	12.0193	0.678	1.28125	1.30E+00	9.32E+00	1.31E-01	9.43E-02	1.09E+01	1.28E+00	4.04E-04	1.44E-03	2.76E-03	1.29E+00	1.56E+00	9.32E+00	1.31E-01	9.43E-02	1.11E+01
974	490186.72	3861135.12	8.11466	11.8735	0.6813	1.27358	1.33E+00	9.21E+00	1.32E-01	9.38E-02	1.08E+01	1.31E+00	3.99E-04	1.45E-03	2.74E-03	1.31E+00	1.59E+00	9.21E+00	1.32E-01	9.38E-02	1.10E+01
975	490236.72	3861135.12	8.18249	11.8835	0.6913	1.25572	1.34E+00	9.22E+00	1.34E-01	9.25E-02	1.08E+01	1.32E+00	3.99E-04	1.47E-03	2.70E-03	1.32E+00	1.60E+00	9.22E+00	1.34E-01	9.25E-02	1.10E+01
976	490286.72	3861135.12	8.3221	11.6811	0.7078	1.26379	1.36E+00	9.06E+00	1.37E-01	9.30E-02	1.07E+01	1.34E+00	3.92E-04	1.50E-03	2.72E-03	1.35E+00	1.63E+00	9.06E+00	1.37E-01	9.30E-02	1.09E+01
977	490336.72	3861135.12	8.0472	11.3276	0.7148	1.24304	1.32E+00	8.79E+00	1.39E-01	9.15E-02	1.03E+01	1.30E+00	3.81E-04	1.52E-03	2.68E-03	1.30E+00	1.57E+00	8.79E+00	1.39E-01	9.15E-02	1.06E+01
978	490386.72	3861135.12	8.05213	11.0176	0.6979	1.24795	1.32E+00	8.55E+00	1.35E-01	9.19E-02	1.01E+01	1.30E+00	3.70E-04	1.48E-03	2.69E-03	1.30E+00	1.58E+00	8.55E+00	1.35E-01	9.19E-02	1.03E+01
979	490436.72	3861135.12	7.88837	10.7773	0.7168	1.24548	1.29E+00	8.36E+00	1.39E-01	9.17E-02	9.88E+00	1.27E+00	3.62E-04	1.52E-03	2.68E-03	1.28E+00	1.54E+00	8.36E+00	1.39E-01	9.17E-02	1.01E+01
980	490486.72	3861135.12	7.53465	10.4891	0.7975	1.24574	1.23E+00	8.14E+00	1.55E-01	9.17E-02	9.62E+00	1.21E+00	3.52E-04	1.70E-03	2.68E-03	1.22E+00	1.47E+00	8.14E+00	1.55E-01	9.17E-02	9.86E+00
981	490536.72	3861135.12	7.37331	10.2619	0.7847	1.26416	1.21E+00	7.96E+00	1.52E-01	9.31E-02	9.41E+00	1.19E+00	3.45E-04	1.67E-03	2.72E-03	1.19E+00	1.44E+00	7.96E+00	1.52E-01	9.31E-02	9.65E+00
982	490586.72	3861135.12	7.16032	10.0861	0.7557	1.27395	1.17E+00	7.82E+00	1.47E-01	9.38E-02	9.24E+00	1.15E+00	3.39E-04	1.61E-03	2.74E-03	1.16E+00	1.40E+00	7.82E+00	1.47E-01	9.38E-02	9.47E+00
983	490636.72	3861135.12	7.4764	9.88698	0.7281	1.27357	1.22E+00	7.67E+00	1.41E-01	9.38E-02	9.13E+00	1.20E+00	3.32E-04	1.55E-03	2.74E-03	1.21E+00	1.46E+00	7.67E+00	1.41E-01	9.38E-02	9.37E+00
984	490686.72	3861135.12	7.74571	9.70219	0.7815	1.306	1.27E+00	7.53E+00	1.52E-01	9.62E-02	9.04E+00	1.25E+00	3.26E-04	1.66E-03	2.81E-03	1.25E+00	1.52E+00	7.53E+00	1.52E-01	9.62E-02	9.29E+00
985	490736.72	3861135.12	7.81339	9.5482	0.8203	1.34105	1.28E+00	7.41E+00	1.59E-01	9.87E-02	8.94E+00	1.26E+00	3.21E-04	1.74E-03	2.89E-03	1.26E+00	1.53E+00	7.41E+00	1.59E-01	9.87E-02	9.19E+00
986	490786.72	3861135.12	8.30197	9.36564	0.8196	1.37726	1.36E+00	7.26E+00	1.59E-01	1.01E-01	8.88E+00	1.34E+00	3.15E-04	1.74E-03	2.96E-03	1.34E+00	1.62E+00	7.27E+00	1.59E-01	1.01E-01	9.15E+00
987	490836.72	3861135.12	7.98587	9.17319	0.8173	1.36772	1.31E+00	7.12E+00	1.58E-01	1.01E-01	8.68E+00	1.29E+00	3.08E-04	1.74E-03	2.94E-03	1.29E+00	1.56E+00	7.12E+00	1.58E-01	1.01E-01	8.94E+00
988	490086.72	3861185.12	8.01459	12.3981	0.6764	1.20035	1.31E+00	9.62E+00	1.31E-01	8.84E-02	1.11E+01	1.29E+00	4.16E-04	1.44E-03	2.58E-03	1.30E+00	1.57E+00	9.62E+00	1.31E-01	8.84E-02	1.14E+01
989	490136.72	3861185.12	8.05196	12.1114	0.6664	1.2041	1.32E+00	9.39E+00	1.29E-01	8.87E-02	1.09E+01	1.30E+00	4.07E-04	1.42E-03	2.59E-03	1.30E+00	1.58E+00	9.40E+00	1.29E-01	8.87E-02	1.12E+01
990	490186.72	3861185.12	7.84717	11.8216	0.6641	1.2163	1.28E+00	9.17E+00	1.29E-01	8.95E-02	1.07E+01	1.26E+00	3.97E-04	1.41E-03	2.62E-03	1.27E+00	1.54E+00	9.17E+00	1.29E-01	8.95E-02	1.09E+01
991	490236.72	3861185.12	8.00006	11.4805	0.6687	1.21649	1.31E+00	8.91E+00	1.30E-01	8.96E-02	1.04E+01	1.29E+00	3.86E-04	1.42E-03	2.62E-03	1.29E+00	1.57E+00	8.91E+00	1.30E-01	8.96E-02	1.07E+01
992	490286.72	3861185.12	8.02206	11.4443	0.6946	1.20216	1.31E+00	8.88E+00	1.35E-01	8.85E-02	1.04E+01	1.29E+00	3.84E-04	1.48E-03	2.59E-03	1.30E+00	1.57E+00	8.88E+00	1.35E-01	8.85E-02	1.07E+01
993	490336.72	3861185.12	8.19647	11.4141	0.6992	1.20972	1.34E+00	8.85E+00	1.36E-01	8.91E-02	1.04E+01	1.32E+00	3.83E-04	1.49E-03	2.60E-03	1.33E+00	1.60E+00	8.85E+00	1.36E-01	8.91E-02	1.07E+01
994	490386.72	3861185.12	7.91998	11.1658	0.7027	1.19601	1.30E+00	8.66E+00	1.36E-01	8.81E-02	1.02E+01	1.28E+00	3.75E-04	1.49E-03	2.57E-03	1.28E+00	1.55E+00	8.66E+00	1.36E-01	8.81E-02	1.04E+01
995	490436.72	3861185.12	7.89759	10.8964	0.6839	1.18969	1.29E+00	8.45E+00	1.33E-01	8.76E-02	9.96E+00	1.27E+00	3.66E-04	1.45E-03	2.56E-03	1.28E+00	1.55E+00	8.45E+00	1.33E-01	8.76E-02	1.02E+01
996	490486.72	3861185.12	7.70958	10.6545	0.7169	1.18251	1.26E+00	8.26E+00	1.39E-01	8.71E-02	9.75E+00	1.24E+00	3.58E-04	1.52E-03	2.55E-03	1.25E+00	1.51E+00	8.27E+00	1.39E-01	8.71E-02	1.00E+01
997	490536.72	3861185.12	7.41657	10.3951	0.7865	1.193	1.21E+00	8.06E+00	1.53E-01	8.78E-02	9.52E+00	1.20E+00	3.49E-04	1.67E-03	2.57E-03	1.20E+00	1.45E+00	8.06E+00	1.53E-01	8.78E-02	9.76E+00
998	490586.72	3861185.12	7.23094	10.1448	0.7624	1.21878	1.18E+00	7.87E+00	1.48E-01	8.97E-02	9.29E+00	1.17E+00	3.41E-04	1.62E-03	2.62E-03	1.17E+00	1.41E+00	7.87E+00	1.48E-01	8.97E-02	9.52E+00
999	490636.72	3861185.12	7.04478	9.92883	0.7335	1.2369	1.15E+00	7.70E+00	1.42E-01	9.11E-02	9.09E+00	1.14E+00	3.34E-04	1.56E-03	2.66E-03	1.14E+00	1.38E+00	7.70E+00	1.42E-01	9.11E-02	9.31E+00
1000	490686.72	3861185.12	7.36929	9.76304	0.7195	1.24359	1.21E+00	7.57E+00	1.40E-01	9.16E-02	9.01E+00	1.19E+00	3.28E-04	1.53E-03	2.68E-03	1.19E+00	1.44E+00	7.57E+00	1.40E-01	9.16E-02	9.25E+00
1001	490736.72	3861185.12	7.62395	9.61066	0.7773	1.26161	1.25E+00	7.45E+00	1.51E-01	9.29E-02	8.95E+00	1.23E+00	3.23E-04	1.65E-03	2.72E-03	1.23E+00	1.49E+00	7.46E+00	1.51E-01	9.29E-02	9.19E+00
1002	490786.72	3861185.12	7.70393	9.47527	0.8066	1.2935	1.26E+00	7.35E+00	1.56E-01	9.52E-02	8.86E+00	1.24E+00	3.18E-04	1.71E-03	2.78E-03	1.25E+00	1.51E+00	7.35E+00	1.56E-01	9.52E-02	9.11E+00
1003	490836.72	3861185.12	8.18213	9.28949	0.8059	1.33074	1.34E+00	7.21E+00	1.56E-01	9.80E-02	8.80E+00	1.32E+00	3.12E-04	1.71E-03	2.86E-03	1.32E+00	1.60E+00	7.21E+00	1.56E-01	9.80E-02	9.06E+00
1004	490086.72	3861235.12	7.84293	12.3225	0.6765	1.1352	1.28E+00	9.56E+00	1.31E-01	8.36E-02	1.11E+01	1.26E+00	4.14E-04	1.44E-03	2.44E-03	1.27E+00	1.53E+00	9.56E+00	1.31E-01	8.36E-02	1.13E+01
1005	490136.72	3861235.12	7.91408	12.0367	0.6596	1.13658	1.29E+00	9.34E+00	1.28E-01	8.37E-02	1.08E+01	1.28E+00	4.04E-04	1.40E-03	2.45E-03	1.28E+00	1.55E+00	9.34E+00	1.28E-01	8.37E-02	1.11E+01
1006	490186.72	3861235.12	7.95596	11.8098	0.6517	1.14898	1.30E+00	9.16E+00	1.26E-01	8.46E-02	1.07E+01	1.28E+00	3.97E-04	1.39E-03	2.47E-03	1.29E+00	1.56E+00	9.16E+00	1.26E-01	8.46E-02	1.09E+01
1007	490236.72	3861235.12	7.73396	11.5822	0.6617	1.15376	1.26E+00	8.98E+00	1.28E-01	8.49E-02	1.05E+01	1.25E+00	3.89E-04	1.41E-03	2.48E-03	1.25E+00	1.51E+00	8.98E+00	1.28E-01	8.49E-02	1.07E+01
1008	490386.72	3861235.12	8.04303	10.9868	0.6909	1.15918	1.32E+00	8.52E+00	1.34E-01	8.53E-02	1.01E+01	1.30E+00	3.69E-04	1.47E-03	2.50E-03	1.30E+00	1.57E+00	8.52E+00	1.34E-01	8.53E-02	1.03E+01
1009	490436.72	3861235.12	7.79261	10.9553	0.6903	1.15626	1.27E+00	8.50E+00	1.34E-01	8.51E-02	9.99E+00	1.26E+00	3.68E-04	1.47E-03	2.49E-03	1.26E+00	1.52E+00	8.50E+00	1.34E-01	8.51E-02	1.02E+01
1010	490486.72	3861235.12	7.72577	10.7038	0.6714	1.14056	1.26E+00	8.30E+00	1.30E-01	8.40E-02	9.78E+00	1.24E+00	3.60E-04	1.43E-03	2.46E-03	1.25E+00	1.51E+00	8.30E+00	1.30E-01	8.40E-02	1.00E+01
1011	490536.72	3861235.12	7.54592	10.5352	0.718	1.14213	1.23E+00	8.17E+00	1.39E-01	8.41E-02	9.63E+00	1.22E+00	3.54E-04	1.53E-03	2.46E-03	1.22E+00	1.48E+00	8.17E+00	1.39E-01	8.41E-02	9.87E+00
1012	490586.72	3861235.12	7.29368	10.3038	0.7639	1.15425	1.19E+00	7.99E+00	1.48E-01	8.50E-02	9.42E+00	1.18E+00	3.46E-04	1.62E-03	2.48E-03	1.18E+00	1.43E+00	7.99E+00	1.48E-01	8.50E-02	9.65E+00
1013	490636.72	3861235.12	7.06807	10.0139	0.7401	1.16821	1.16E+00	7.77E+00	1.44E-01	8.60E-02	9.15E+00	1.14E+00	3.36E-04	1.57E-03	2.51E-03	1.14E+00	1.38E+00	7.77E+00	1.44E-01	8.60E-02	9.38E+00
1014	490686.72	3861235.12	6.92486	9.80832	0.716	1.18962	1.13E+00	7.61E+00	1.39E-01	8.76E-02	8.97E+00	1.12E+00	3.29E-04	1.52E-03	2.56E-03	1.12E+00	1.36E+00	7.61E+00	1.39E-01	8.76E-02	9.19E+00
1015	490736.72	3861235.12	7.27797	9.65063	0.7164	1.21516	1.19E+00	7.49E+00	1.39E-01	8.95E-02	8.90E+00	1.17E+00	3.24E-04	1.52E-03	2.62E-03	1.18E+00	1.42E+00	7.49E+00	1.39E-01	8.95E-02	9.14E+00
1016	490786.72	3861235.12	7.51024	9.53012	0.7737	1.23494	1.23E+00	7.39E+00	1.50E-01	9.09E-02	8.86E+00	1.21E+00	3.20E-04	1.64E-03	2.66E-03	1.21E+00	1.47E+00	7.39E+00	1.50E-01	9.09E-02	9.10E+00
1017	490836.72	3861235.12	7.59619	9.36702	0.7933	1.25686	1.24E+00	7.27E+00	1.54E-01	9.25E-02	8.75E+00	1.22E+00	3.15E-04	1.69E-03	2.71E-03	1.23E+00	1.49E+00	7.27E+00	1.54E-01	9.25E-02	9.00E+00
1018	490086.72	3861285.12	7.70517	12.2236	0.6813	1.1428	1.26E+00	9.48E+00	1.32E-01	8.41E-02	1.10E+01	1.24E+00	4.11E-04	1.45E-03	2.46E-03	1.25E+00	1.51E+00	9.48E+00	1.32E-01	8.41E-02	1.12E+01
1019	490136.72	3861285.12	7.75766	11.9727	0.6572	1.09788	1.27E+00	9.29E+00	1.27E-01	8.08E-02	1.08E+01	1.25E+00	4.02E-04	1.40E-03	2.36E-03	1.25E+00	1.52E+00	9.29E+00	1.27E-01	8.08E-02	1.10E+01
1020	490186.72	3861285.12	7.84789	11.8119	0.6445	1.078	1.28E+00	9.16E+00	1.25E-01	7.94E-02	1.07E+01	1.26E+00	3.97E-04	1.37E-03	2.32E-03	1.27E+00	1.54E+00	9.16E+00	1.25E-01	7.94E-02	1.09E+01
1021	490236.72	3861285.12	7.80755	11.6222	0.6377	1.09375	1.28E+00	9.02E+00	1.24E-01	8.05E-02	1.05E+01	1.26E+00	3.90E-04	1.36E-03	2.35E-03	1.26E+00	1.53E+00	9.02E+00	1.24E-01	8.05E-02	1.07E+01
1022	490386.72	3861285.12	7.70292	10.7777	0.6738	1.10094	1.26E+00	8.36E+00	1.31E-01	8.11E-02	9.83E+00	1.24E+00	3.62E-04	1.43E-03	2.37E-03	1.25E+00	1.51E+00	8.36E+00	1.31E-01	8.11E-02	1.01E+01
1023	490436.72	3861285.12	7.88452	10.6212	0.6831	1.10981	1.29E+00	8.24E+00	1.32E-01	8.17E-02	9.74E+00	1.27E+00	3.57E-04	1.45E-03	2.39E-03	1.27E+00	1.54E+00	8.24E+00	1.32E-01	8.17E-02	1.00E+01
1024	490486.72	3861285.12	7.68721	10.6323	0.6651	1.11222	1.26E+00	8.25E+00	1.29E-01	8.19E-02	9.72E+00	1.24E+00	3.57E-04	1.41E-03	2.39E-03	1.24E+00	1.50E+00	8.25E+00	1.29E-01	8.19E-02	9.96E+00
1025	490536.72	3861285.12	7.6269	10.5473	0.6652	1.11046	1.25E+00	8.18E+00	1.29E-01	8.18E-02	9.64E+00	1.23E+00	3.54E-04	1.41E-03	2.39E-03	1.23E+00	1.49E+00	8.18E+00	1.29E-01	8.18E-02	9.89E+00
1026	490586.72	3861285.12	7.37166	10.3273	0.7179	1.10326	1.21E+00	8.01E+00	1.39E-01	8.12E-02	9.44E+00	1.19E+00	3.47E-04	1.53E-03	2.38E-03	1.19E+00	1.44E+00	8.01E+00	1.39E-01	8.12E-02	9.67E+00
1027	490636.72	3861285.12	7.12567	10.1461	0.7403	1.11028	1.17E+00	7.87E+00	1.44E-01	8.17E-02	9.26E+00	1.15E+00	3.41E-04	1.57E-03	2.39E-03	1.15E+00	1.39E+00	7.87E+00	1.44E-01	8.17E-02	9.49E+00
1028	490686.72	3861285.12	6.93029	9.86048	0.7232	1.13167	1.13E+00	7.65E+00	1.40E-01	8.33E-02	9.01E+00	1.12E+00	3.31E-04	1.54E-03	2.44E-03	1.12E+00	1.36E+00	7.65E+00	1.40E-01	8.33E-02	9.23E+00
1029	490736.72	3861285.12	6.82303	9.73853	0.7009	1.15667	1.12E+00	7.55E+00	1.36E-01	8.52E-02	8.89E+00	1.10E+00	3.27E-04	1.49E-03	2.49E-03	1.10E+00	1.34E+00	7.55E+00	1.36E-01	8.52E-02	9.11E+00
1030	490786.72	3861285.12	7.18545	9.53263	0.7132	1.17354	1.18E+00	7.39E+00	1.38E-01	8.64E-02	8.79E+00	1.16E+00	3.20E-04	1.52E-03	2.53E-03	1.16E+00	1.41E+00	7.39E+00	1.38E-01	8.64E-02	9.03E+00
1031	490836.72	3861285.12	7.37812	9.36745	0.7682	1.19662	1.21E+00	7.27E+00	1.49E-01	8.81E-02	8.71E+00	1.19E+00	3.15E-04	1.63E-03	2.58E-03	1.19E+00	1.44E+00	7.27E+00	1.49E-01	8.81E-02	8.95E+00
1032	490061.24	3859716.13	11.3518	10.8955	3.2657	2.95917	1.86E+00	8.45E+00	6.33E-01	2.18E-01	1.12E+01	1.83E+00	3.66E-04	6.94E-03	6.37E-03	1.84E+00	2.22E+00	8.45E+00	6.33E-01	2.18E-01	1.15E+01
1033	490111.24	3859716.13	10.9962	10.6568	3.2189	2.94207	1.80E+00	8.27E+00	6.24E-01	2.17E-01	1.09E+01	1.77E+00	3.58E-04	6.84E-03	6.33E-03	1.79E+00	2.15E+00	8.27E+00	6.24E-01	2.17E-01	1.13E+01

1034	490161.24	3859716.13	10.5874	10.42	3.3667	2.88903	1.73E+00	8.08E+00	6.53E-01	2.13E-01	1.07E+01	1.71E+00	3.50E-04	7.16E-03	6.22E-03	1.72E+00	2.07E+00	8.08E+00	6.53E-01	2.13E-01	1.10E+01
1035	490211.24	3859716.13	10.3704	9.95003	3.3746	2.83688	1.70E+00	7.72E+00	6.54E-01	2.09E-01	1.03E+01	1.67E+00	3.34E-04	7.18E-03	6.11E-03	1.68E+00	2.03E+00	7.72E+00	6.54E-01	2.09E-01	1.06E+01
1036	490061.24	3859766.13	11.6089	11.1012	3.1825	2.94138	1.90E+00	8.61E+00	6.17E-01	2.17E-01	1.13E+01	1.87E+00	3.73E-04	6.77E-03	6.33E-03	1.88E+00	2.27E+00	8.61E+00	6.17E-01	2.17E-01	1.17E+01
1037	490111.24	3859766.13	11.2432	10.7858	3.1214	2.92495	1.84E+00	8.37E+00	6.05E-01	2.15E-01	1.10E+01	1.81E+00	3.62E-04	6.64E-03	6.30E-03	1.82E+00	2.20E+00	8.37E+00	6.05E-01	2.15E-01	1.14E+01
1038	490161.24	3859766.13	10.9673	10.5267	3.0334	2.92521	1.79E+00	8.17E+00	5.88E-01	2.15E-01	1.08E+01	1.77E+00	3.54E-04	6.45E-03	6.30E-03	1.78E+00	2.15E+00	8.17E+00	5.88E-01	2.15E-01	1.11E+01
1039	490211.24	3859766.13	10.5544	10.2813	3.18	2.92208	1.73E+00	7.98E+00	6.17E-01	2.15E-01	1.05E+01	1.70E+00	3.45E-04	6.76E-03	6.29E-03	1.71E+00	2.07E+00	7.98E+00	6.17E-01	2.15E-01	1.09E+01
1040	490061.24	3859816.13	11.9367	11.3339	2.828	3.19033	1.95E+00	8.79E+00	5.48E-01	2.35E-01	1.15E+01	1.92E+00	3.81E-04	6.01E-03	6.87E-03	1.94E+00	2.34E+00	8.79E+00	5.48E-01	2.35E-01	1.19E+01
1041	490111.24	3859816.13	11.5239	11.08	3.077	3.12172	1.88E+00	8.59E+00	5.97E-01	2.30E-01	1.13E+01	1.86E+00	3.72E-04	6.54E-03	6.72E-03	1.87E+00	2.26E+00	8.60E+00	5.97E-01	2.30E-01	1.17E+01
1042	490161.24	3859816.13	11.1382	10.7423	3.0121	3.03396	1.82E+00	8.33E+00	5.84E-01	2.23E-01	1.10E+01	1.79E+00	3.61E-04	6.40E-03	6.53E-03	1.81E+00	2.18E+00	8.33E+00	5.84E-01	2.23E-01	1.13E+01
1043	490211.24	3859816.13	10.8808	10.4693	2.9017	2.97506	1.78E+00	8.12E+00	5.63E-01	2.19E-01	1.07E+01	1.75E+00	3.52E-04	6.17E-03	6.40E-03	1.77E+00	2.13E+00	8.12E+00	5.63E-01	2.19E-01	1.10E+01
1044	490061.24	3859866.13	12.1283	11.3793	2.3325	3.2388	1.98E+00	8.83E+00	4.52E-01	2.38E-01	1.15E+01	1.95E+00	3.82E-04	4.96E-03	6.97E-03	1.97E+00	2.37E+00	8.83E+00	4.52E-01	2.38E-01	1.19E+01
1045	490111.24	3859866.13	11.8099	11.1319	2.7233	3.19838	1.93E+00	8.64E+00	5.28E-01	2.35E-01	1.13E+01	1.90E+00	3.74E-04	5.79E-03	6.89E-03	1.92E+00	2.31E+00	8.64E+00	5.28E-01	2.35E-01	1.17E+01
1046	490161.24	3859866.13	11.4611	10.8904	2.952	3.14403	1.87E+00	8.45E+00	5.72E-01	2.31E-01	1.11E+01	1.85E+00	3.66E-04	6.28E-03	6.77E-03	1.86E+00	2.24E+00	8.45E+00	5.72E-01	2.31E-01	1.15E+01
1047	490211.24	3859866.13	11.0072	10.6651	2.9085	3.04837	1.80E+00	8.27E+00	5.64E-01	2.24E-01	1.09E+01	1.77E+00	3.58E-04	6.18E-03	6.56E-03	1.79E+00	2.15E+00	8.27E+00	5.64E-01	2.24E-01	1.12E+01
1048	490061.24	3859916.13	11.918	11.4322	2.1607	3.49424	1.95E+00	8.87E+00	4.19E-01	2.57E-01	1.15E+01	1.92E+00	3.84E-04	4.59E-03	7.52E-03	1.93E+00	2.33E+00	8.87E+00	4.19E-01	2.57E-01	1.19E+01
1049	490111.24	3859916.13	11.9748	11.1073	2.2791	3.42224	1.96E+00	8.62E+00	4.42E-01	2.52E-01	1.13E+01	1.93E+00	3.73E-04	4.85E-03	7.37E-03	1.94E+00	2.34E+00	8.62E+00	4.42E-01	2.52E-01	1.17E+01
1050	490161.24	3859916.13	11.6643	10.9572	2.5855	3.30118	1.91E+00	8.50E+00	5.01E-01	2.43E-01	1.12E+01	1.88E+00	3.68E-04	5.50E-03	7.11E-03	1.89E+00	2.28E+00	8.50E+00	5.01E-01	2.43E-01	1.15E+01
1051	490211.24	3859916.13	11.3425	10.7526	2.8339	3.20337	1.86E+00	8.34E+00	5.50E-01	2.36E-01	1.10E+01	1.83E+00	3.61E-04	6.03E-03	6.90E-03	1.84E+00	2.22E+00	8.34E+00	5.50E-01	2.36E-01	1.13E+01
1052	490229.25	3859815.26	10.7022	10.3822	2.9345	2.9474	1.75E+00	8.05E+00	5.69E-01	2.17E-01	1.06E+01	1.72E+00	3.49E-04	6.24E-03	6.35E-03	1.74E+00	2.09E+00	8.05E+00	5.69E-01	2.17E-01	1.09E+01
1053	490279.25	3859815.26	10.3492	10.1478	3.0538	2.88139	1.69E+00	7.87E+00	5.92E-01	2.12E-01	1.04E+01	1.67E+00	3.41E-04	6.49E-03	6.20E-03	1.68E+00	2.03E+00	7.87E+00	5.92E-01	2.12E-01	1.07E+01
1054	490329.25	3859815.26	10.0611	9.91939	3.0595	2.81784	1.65E+00	7.69E+00	5.93E-01	2.07E-01	1.01E+01	1.62E+00	3.33E-04	6.50E-03	6.07E-03	1.63E+00	1.97E+00	7.69E+00	5.93E-01	2.07E-01	1.05E+01
1055	490379.25	3859815.26	9.77506	9.68939	3.1389	2.76566	1.60E+00	7.52E+00	6.09E-01	2.04E-01	9.93E+00	1.58E+00	3.25E-04	6.67E-03	5.95E-03	1.59E+00	1.91E+00	7.52E+00	6.09E-01	2.04E-01	1.02E+01
1056	490429.25	3859815.26	9.86282	9.30132	3.0972	2.74254	1.61E+00	7.22E+00	6.01E-01	2.02E-01	9.63E+00	1.59E+00	3.12E-04	6.59E-03	5.90E-03	1.60E+00	1.93E+00	7.22E+00	6.01E-01	2.02E-01	9.95E+00
1057	490229.25	3859865.26	10.914	10.5468	2.8927	3.00618	1.79E+00	8.18E+00	5.61E-01	2.21E-01	1.07E+01	1.76E+00	3.54E-04	6.15E-03	6.47E-03	1.77E+00	2.14E+00	8.18E+00	5.61E-01	2.21E-01	1.11E+01
1058	490279.25	3859865.26	10.6341	10.2965	2.7854	2.9459	1.74E+00	7.99E+00	5.40E-01	2.17E-01	1.05E+01	1.71E+00	3.46E-04	5.92E-03	6.34E-03	1.73E+00	2.08E+00	7.99E+00	5.40E-01	2.17E-01	1.08E+01
1059	490329.25	3859865.26	10.2458	10.0947	2.8933	2.89758	1.68E+00	7.83E+00	5.61E-01	2.13E-01	1.03E+01	1.65E+00	3.39E-04	6.15E-03	6.24E-03	1.66E+00	2.00E+00	7.83E+00	5.61E-01	2.13E-01	1.06E+01
1060	490379.25	3859865.26	9.99489	9.86167	2.9035	2.85525	1.63E+00	7.65E+00	5.63E-01	2.10E-01	1.01E+01	1.61E+00	3.31E-04	6.17E-03	6.15E-03	1.62E+00	1.96E+00	7.65E+00	5.63E-01	2.10E-01	1.04E+01
1061	490429.25	3859865.26	9.60655	9.6252	2.9814	2.8153	1.57E+00	7.47E+00	5.78E-01	2.07E-01	9.82E+00	1.55E+00	3.23E-04	6.34E-03	6.06E-03	1.56E+00	1.88E+00	7.47E+00	5.78E-01	2.07E-01	1.01E+01
1062	490229.25	3859915.26	11.1907	10.6725	2.8439	3.17376	1.83E+00	8.28E+00	5.51E-01	2.34E-01	1.09E+01	1.80E+00	3.59E-04	6.05E-03	6.83E-03	1.82E+00	2.19E+00	8.28E+00	5.51E-01	2.34E-01	1.13E+01
1063	490279.25	3859915.26	10.7844	10.4387	2.81	3.12766	1.76E+00	8.10E+00	5.45E-01	2.30E-01	1.06E+01	1.74E+00	3.51E-04	5.97E-03	6.73E-03	1.75E+00	2.11E+00	8.10E+00	5.45E-01	2.30E-01	1.10E+01
1064	490329.25	3859915.26	10.5508	10.2372	2.6487	3.07737	1.73E+00	7.94E+00	5.14E-01	2.27E-01	1.04E+01	1.70E+00	3.44E-04	5.63E-03	6.62E-03	1.71E+00	2.06E+00	7.94E+00	5.14E-01	2.27E-01	1.07E+01
1065	490379.25	3859915.26	10.103	10.0007	2.7447	3.02569	1.65E+00	7.76E+00	5.32E-01	2.23E-01	1.02E+01	1.63E+00	3.36E-04	5.84E-03	6.51E-03	1.64E+00	1.98E+00	7.76E+00	5.32E-01	2.23E-01	1.05E+01
1066	490429.25	3859915.26	9.82035	9.80228	2.8142	2.97396	1.61E+00	7.60E+00	5.46E-01	2.19E-01	9.97E+00	1.58E+00	3.29E-04	5.98E-03	6.40E-03	1.60E+00	1.92E+00	7.60E+00	5.46E-01	2.19E-01	1.03E+01
1067	490451.43	3859872.59	9.64684	9.56072	2.9787	2.80436	1.58E+00	7.42E+00	5.78E-01	2.06E-01	9.78E+00	1.55E+00	3.21E-04	6.33E-03	6.04E-03	1.57E+00	1.89E+00	7.42E+00	5.78E-01	2.06E-01	1.01E+01
1068	490501.43	3859872.59	9.67755	9.34506	3.0394	2.76961	1.58E+00	7.25E+00	5.89E-01	2.04E-01	9.63E+00	1.56E+00	3.14E-04	6.46E-03	5.96E-03	1.57E+00	1.89E+00	7.25E+00	5.89E-01	2.04E-01	9.94E+00
1069	490551.43	3859872.59	9.71658	9.04043	3.0927	2.73799	1.59E+00	7.01E+00	6.00E-01	2.02E-01	9.40E+00	1.57E+00	3.04E-04	6.58E-03	5.89E-03	1.58E+00	1.90E+00	7.01E+00	6.00E-01	2.02E-01	9.72E+00
1070	490601.43	3859872.59	9.57912	8.80268	3.1036	2.70345	1.57E+00	6.83E+00	6.02E-01	1.99E-01	9.20E+00	1.54E+00	2.96E-04	6.60E-03	5.82E-03	1.56E+00	1.87E+00	6.83E+00	6.02E-01	1.99E-01	9.50E+00
1071	490451.43	3859922.59	9.75254	9.73283	2.7709	2.9667	1.60E+00	7.55E+00	5.37E-01	2.18E-01	9.90E+00	1.57E+00	3.27E-04	5.89E-03	6.39E-03	1.58E+00	1.91E+00	7.55E+00	5.37E-01	2.18E-01	1.02E+01
1072	490501.43	3859922.59	9.46527	9.48713	2.8346	2.92934	1.55E+00	7.36E+00	5.50E-01	2.16E-01	9.67E+00	1.53E+00	3.19E-04	6.03E-03	6.31E-03	1.54E+00	1.85E+00	7.36E+00	5.50E-01	2.16E-01	9.98E+00
1073	490551.43	3859922.59	9.57272	9.28143	2.9304	2.89891	1.57E+00	7.20E+00	5.68E-01	2.13E-01	9.55E+00	1.54E+00	3.12E-04	6.23E-03	6.24E-03	1.56E+00	1.87E+00	7.20E+00	5.68E-01	2.13E-01	9.85E+00
1074	490601.43	3859922.59	9.54116	9.11965	3.0211	2.86289	1.56E+00	7.07E+00	5.86E-01	2.11E-01	9.43E+00	1.54E+00	3.06E-04	6.42E-03	6.16E-03	1.55E+00	1.87E+00	7.07E+00	5.86E-01	2.11E-01	9.74E+00
1075	482129.67	3852241.07	10.5936	3.04521	0.335	0.55898	1.73E+00	2.36E+00	6.50E-02	4.12E-02	4.20E+00	1.71E+00	1.02E-04	7.12E-04	1.20E-03	1.71E+00	2.07E+00	2.36E+00	6.50E-02	4.12E-02	4.54E+00
1076	482029.67	3852291.07	11.276	3.16533	0.3293	0.53793	1.84E+00	2.46E+00	6.39E-02	3.96E-02	4.40E+00	1.82E+00	1.06E-04	7.00E-04	1.16E-03	1.82E+00	2.21E+00	2.46E+00	6.39E-02	3.96E-02	4.77E+00
1077	482079.67	3852291.07	10.867	3.09527	0.332	0.54527	1.78E+00	2.40E+00	6.44E-02	4.01E-02	4.28E+00	1.75E+00	1.04E-04	7.06E-04	1.17E-03	1.75E+00	2.13E+00	2.40E+00	6.44E-02	4.01E-02	4.63E+00
1078	482129.67	3852291.07	10.7623	3.09576	0.3382	0.55823	1.76E+00	2.40E+00	6.56E-02	4.11E-02	4.27E+00	1.73E+00	1.04E-04	7.19E-04	1.20E-03	1.74E+00	2.11E+00	2.40E+00	6.56E-02	4.11E-02	4.61E+00
1079	482179.67	3852291.07	10.7587	3.06205	0.3371	0.57164	1.76E+00	2.38E+00	6.54E-02	4.21E-02	4.24E+00	1.73E+00	1.03E-04	7.17E-04	1.23E-03	1.74E+00	2.11E+00	2.38E+00	6.54E-02	4.21E-02	4.59E+00
1080	482229.67	3852291.07	10.8634	2.94888	0.3342	0.5885	1.78E+00	2.29E+00	6.48E-02	4.33E-02	4.17E+00	1.75E+00	9.91E-05	7.11E-04	1.27E-03	1.75E+00	2.13E+00	2.29E+00	6.48E-02	4.33E-02	4.52E+00
1081	482029.67	3852341.07	11.6445	3.33009	0.3291	0.5396	1.90E+00	2.58E+00	6.38E-02	3.97E-02	4.59E+00	1.88E+00	1.12E-04	7.00E-04	1.16E-03	1.88E+00	2.28E+00	2.58E+00	6.38E-02	3.97E-02	4.97E+00
1082	482079.67	3852341.07	11.4591	3.17591	0.3318	0.55023	1.87E+00	2.46E+00	6.43E-02	4.05E-02	4.44E+00	1.85E+00	1.07E-04	7.05E-04	1.18E-03	1.85E+00	2.24E+00	2.46E+00	6.43E-02	4.05E-02	4.81E+00
1083	482129.67	3852341.07	11.0329	3.17279	0.3345	0.55749	1.80E+00	2.46E+00	6.49E-02	4.10E-02	4.37E+00	1.78E+00	1.07E-04	7.11E-04	1.20E-03	1.78E+00	2.16E+00	2.46E+00	6.49E-02	4.10E-02	4.73E+00
1084	482179.67	3852341.07	10.9476	3.19156	0.3404	0.57151	1.79E+00	2.48E+00	6.60E-02	4.21E-02	4.37E+00	1.76E+00	1.07E-04	7.24E-04	1.23E-03	1.77E+00	2.14E+00	2.48E+00	6.60E-02	4.21E-02	4.73E+00
1085	482259.06	3852400.14	11.2623	3.32477	0.3451	0.59788	1.84E+00	2.58E+00	6.69E-02	4.40E-02	4.53E+00	1.81E+00	1.12E-04	7.34E-04	1.29E-03	1.82E+00	2.20E+00	2.58E+00	6.69E-02	4.40E-02	4.89E+00
1086	482309.06	3852400.14	11.2023	3.19238	0.3426	0.61638	1.83E+00	2.48E+00	6.64E-02	4.54E-02	4.42E+00	1.81E+00	1.07E-04	7.28E-04	1.33E-03	1.81E+00	2.19E+00	2.48E+00	6.64E-02	4.54E-02	4.78E+00
1087	482209.06	3852450.14	11.7202	3.49607	0.3397	0.5812	1.92E+00	2.71E+00	6.59E-02	4.28E-02	4.74E+00	1.89E+00	1.17E-04	7.22E-04	1.25E-03	1.89E+00	2.29E+00	2.71E+00	6.59E-02	4.28E-02	5.11E+00
1088	482259.06	3852450.14	11.3232	3.40915	0.3422	0.5974	1.85E+00	2.64E+00	6.63E-02	4.40E-02	4.61E+00	1.82E+00	1.15E-04	7.27E-04	1.29E-03	1.83E+00	2.22E+00	2.64E+00	6.63E-02	4.40E-02	4.97E+00
1089	482309.06	3852450.14	11.5488	3.2961	0.3466	0.61421	1.89E+00	2.56E+00	6.72E-02	4.52E-02	4.56E+00	1.86E+00	1.11E-04	7.37E-04	1.32E-03	1.86E+00	2.26E+00	2.56E+00	6.72E-02	4.52E-02	4.93E+00
1090	482209.06	3852500.14	12.4278	3.53959	0.3392	0.58176	2.03E+00	2.75E+00	6.58E-02	4.28E-02	4.89E+00	2.00E+00	1.19E-04	7.21E-04	1.25E-03	2.00E+00	2.43E+00	2.75E+00	6.58E-02	4.28E-02	5.29E+00
1091	482259.06	3852500.14	11.964	3.49646	0.3418	0.59738	1.96E+00	2.71E+00	6.63E-02	4.40E-02	4.78E+00	1.93E+00	1.17E-04	7.27E-04	1.29E-03	1.93E+00	2.34E+00	2.71E+00	6.63E-02	4.40E-02	5.16E+00
1092	482309.06	3852500.14	11.5613	3.42153	0.3438	0.61503	1.89E+00	2.65E+00	6.67E-02	4.53E-02	4.66E+00	1.86E+00	1.15E-04	7.31E-04	1.32E-03	1.87E+00	2.26E+00	2.65E+00	6.67E-02	4.53E-02	5.03E+00
1093	482283.91	3852513.62	11.9011	3.4908	0.3429	0.60539	1.95E+00	2.71E+00	6.65E-02	4.46E-02	4.77E+00	1.92E+00	1.17E-04	7.29E-04	1.30E-03	1.92E+00	2.33E+00	2.71E+00	6.65E-02	4.46E-02	5.15E+00
1094	482333.91	3852513.62	11.6069	3.38941	0.3451	0.6229	1.90E+00	2.63E+00	6.69E-02	4.59E-02	4.64E+00	1.87E+00	1.14E-04	7.34E-04	1.34E-03	1.87E+00	2.27E+00	2.63E+00	6.69E-02	4.59E-02	5.01E+00

1095	482283.91	3852563.62	12.6803	3.5972	0.343	0.60643	2.07E+00	2.79E+00	6.65E-02	4.46E-02	4.98E+00	2.04E+00	1.21E-04	7.29E-04	1.31E-03	2.05E+00	2.48E+00	2.79E+00	6.65E-02	4.46E-02	5.38E+00
1096	482333.91	3852563.62	12.0868	3.53852	0.3457	0.62445	1.98E+00	2.74E+00	6.70E-02	4.60E-02	4.83E+00	1.95E+00	1.19E-04	7.35E-04	1.34E-03	1.95E+00	2.37E+00	2.74E+00	6.70E-02	4.60E-02	5.22E+00
1097	482383.91	3852563.62	11.7799	3.42764	0.3484	0.64018	1.93E+00	2.66E+00	6.76E-02	4.71E-02	4.70E+00	1.90E+00	1.15E-04	7.41E-04	1.38E-03	1.90E+00	2.31E+00	2.66E+00	6.76E-02	4.71E-02	5.08E+00
1098	482283.91	3852613.62	12.9186	3.65224	0.3421	0.60751	2.11E+00	2.83E+00	6.63E-02	4.47E-02	5.06E+00	2.08E+00	1.23E-04	7.27E-04	1.31E-03	2.08E+00	2.53E+00	2.83E+00	6.63E-02	4.47E-02	5.47E+00
1099	482333.91	3852613.62	12.9157	3.61716	0.3454	0.62352	2.11E+00	2.81E+00	6.70E-02	4.59E-02	5.03E+00	2.08E+00	1.22E-04	7.34E-04	1.34E-03	2.08E+00	2.53E+00	2.81E+00	6.70E-02	4.59E-02	5.45E+00
1100	482383.91	3852613.62	12.2726	3.55239	0.3487	0.64648	2.01E+00	2.76E+00	6.76E-02	4.76E-02	4.88E+00	1.98E+00	1.19E-04	7.41E-04	1.39E-03	1.98E+00	2.40E+00	2.76E+00	6.76E-02	4.76E-02	5.27E+00
1101	482602.38	3852600.87	11.9644	3.08312	0.3546	0.70104	1.96E+00	2.39E+00	6.88E-02	5.16E-02	4.47E+00	1.93E+00	1.04E-04	7.54E-04	1.51E-03	1.93E+00	2.34E+00	2.39E+00	6.88E-02	5.16E-02	4.85E+00
1102	482652.38	3852600.87	11.9203	2.98369	0.3587	0.71853	1.95E+00	2.31E+00	6.96E-02	5.29E-02	4.39E+00	1.92E+00	1.00E-04	7.63E-04	1.55E-03	1.92E+00	2.33E+00	2.31E+00	6.96E-02	5.29E-02	4.77E+00
1103	482702.38	3852600.87	10.9494	2.79308	0.3605	0.71011	1.79E+00	2.17E+00	6.99E-02	5.23E-02	4.08E+00	1.76E+00	9.38E-05	7.66E-04	1.53E-03	1.77E+00	2.14E+00	2.17E+00	6.99E-02	5.23E-02	4.43E+00
1104	482552.38	3852650.87	12.5587	3.39834	0.3567	0.67141	2.05E+00	2.64E+00	6.92E-02	4.94E-02	4.81E+00	2.02E+00	1.14E-04	7.58E-04	1.45E-03	2.03E+00	2.46E+00	2.64E+00	6.92E-02	4.94E-02	5.21E+00
1105	482602.38	3852650.87	12.5646	3.28402	0.3563	0.70735	2.06E+00	2.55E+00	6.91E-02	5.21E-02	4.72E+00	2.02E+00	1.10E-04	7.58E-04	1.52E-03	2.03E+00	2.46E+00	2.55E+00	6.91E-02	5.21E-02	5.13E+00
1106	482652.38	3852650.87	12.2576	3.1543	0.3586	0.72951	2.00E+00	2.45E+00	6.95E-02	5.37E-02	4.57E+00	1.98E+00	1.06E-04	7.62E-04	1.57E-03	1.98E+00	2.40E+00	2.45E+00	6.95E-02	5.37E-02	4.97E+00
1107	482702.38	3852650.87	12.0112	3.08258	0.3624	0.72107	1.96E+00	2.39E+00	7.03E-02	5.31E-02	4.48E+00	1.94E+00	1.04E-04	7.71E-04	1.55E-03	1.94E+00	2.35E+00	2.39E+00	7.03E-02	5.31E-02	4.86E+00
1108	482552.38	3852700.87	12.6178	3.49623	0.3605	0.66638	2.06E+00	2.71E+00	6.99E-02	4.91E-02	4.89E+00	2.03E+00	1.17E-04	7.66E-04	1.43E-03	2.04E+00	2.47E+00	2.71E+00	6.99E-02	4.91E-02	5.30E+00
1109	482602.38	3852700.87	12.83	3.47724	0.3599	0.70078	2.10E+00	2.70E+00	6.98E-02	5.16E-02	4.92E+00	2.07E+00	1.17E-04	7.65E-04	1.51E-03	2.07E+00	2.51E+00	2.70E+00	6.98E-02	5.16E-02	5.33E+00
1110	482652.38	3852700.87	12.6972	3.4507	0.3613	0.73669	2.08E+00	2.68E+00	7.01E-02	5.42E-02	4.88E+00	2.05E+00	1.16E-04	7.68E-04	1.59E-03	2.05E+00	2.48E+00	2.68E+00	7.01E-02	5.42E-02	5.29E+00
1111	482702.38	3852700.87	12.6105	3.30322	0.3632	0.7317	2.06E+00	2.56E+00	7.04E-02	5.39E-02	4.75E+00	2.03E+00	1.11E-04	7.72E-04	1.58E-03	2.03E+00	2.47E+00	2.56E+00	7.04E-02	5.39E-02	5.15E+00
1112	482452.38	3852750.87	13.821	3.6269	0.3506	0.66121	2.26E+00	2.81E+00	6.80E-02	4.87E-02	5.19E+00	2.23E+00	1.22E-04	7.45E-04	1.42E-03	2.23E+00	2.70E+00	2.81E+00	6.80E-02	4.87E-02	5.63E+00
1113	482521.29	3852749.74	12.9204	3.59813	0.3546	0.65895	2.11E+00	2.79E+00	6.88E-02	4.85E-02	5.02E+00	2.08E+00	1.21E-04	7.54E-04	1.42E-03	2.08E+00	2.53E+00	2.79E+00	6.88E-02	4.85E-02	5.44E+00
1114	482571.29	3852749.74	12.684	3.64898	0.3582	0.66856	2.07E+00	2.83E+00	6.95E-02	4.92E-02	5.02E+00	2.04E+00	1.23E-04	7.62E-04	1.44E-03	2.05E+00	2.48E+00	2.83E+00	6.95E-02	4.92E-02	5.43E+00
1115	482521.29	3852799.74	13.8295	3.65282	0.3547	0.6662	2.26E+00	2.83E+00	6.88E-02	4.90E-02	5.21E+00	2.23E+00	1.23E-04	7.54E-04	1.43E-03	2.23E+00	2.71E+00	2.83E+00	6.88E-02	4.90E-02	5.66E+00
1116	482571.29	3852799.74	13.1224	3.74588	0.3578	0.66321	2.15E+00	2.91E+00	6.94E-02	4.88E-02	5.17E+00	2.11E+00	1.26E-04	7.61E-04	1.43E-03	2.12E+00	2.57E+00	2.91E+00	6.94E-02	4.88E-02	5.59E+00
1117	482621.29	3852799.74	12.9425	3.72768	0.3615	0.70006	2.12E+00	2.89E+00	7.01E-02	5.15E-02	5.13E+00	2.09E+00	1.25E-04	7.69E-04	1.51E-03	2.09E+00	2.53E+00	2.89E+00	7.01E-02	5.15E-02	5.55E+00
1118	482571.29	3852849.74	14.1064	3.75643	0.3571	0.66708	2.31E+00	2.91E+00	6.93E-02	4.91E-02	5.34E+00	2.27E+00	1.26E-04	7.59E-04	1.44E-03	2.28E+00	2.76E+00	2.91E+00	6.93E-02	4.91E-02	5.79E+00
1119	482621.29	3852849.74	13.3856	3.76845	0.36	0.69164	2.19E+00	2.92E+00	6.98E-02	5.09E-02	5.23E+00	2.16E+00	1.27E-04	7.65E-04	1.49E-03	2.16E+00	2.62E+00	2.92E+00	6.98E-02	5.09E-02	5.66E+00
1120	482577.42	3852901.55	14.8318	3.75771	0.3577	0.67483	2.43E+00	2.91E+00	6.94E-02	4.97E-02	5.46E+00	2.39E+00	1.26E-04	7.60E-04	1.45E-03	2.39E+00	2.90E+00	2.92E+00	6.94E-02	4.97E-02	5.94E+00
1121	482627.42	3852901.55	14.3392	3.79893	0.3592	0.68766	2.35E+00	2.95E+00	6.97E-02	5.06E-02	5.41E+00	2.31E+00	1.28E-04	7.64E-04	1.48E-03	2.31E+00	2.81E+00	2.95E+00	6.97E-02	5.06E-02	5.87E+00
1122	482629.96	3852955.85	15.2277	3.85466	0.3601	0.69073	2.49E+00	2.99E+00	6.98E-02	5.09E-02	5.60E+00	2.45E+00	1.29E-04	7.66E-04	1.49E-03	2.46E+00	2.98E+00	2.99E+00	6.98E-02	5.09E-02	6.09E+00
1123	482679.96	3852955.85	14.723	3.89628	0.3616	0.72314	2.41E+00	3.02E+00	7.01E-02	5.32E-02	5.55E+00	2.37E+00	1.31E-04	7.69E-04	1.56E-03	2.37E+00	2.88E+00	3.02E+00	7.01E-02	5.32E-02	6.03E+00
1124	482781.63	3853034.48	15.2609	3.79081	0.3663	0.75279	2.50E+00	2.94E+00	7.10E-02	5.54E-02	5.56E+00	2.46E+00	1.27E-04	7.79E-04	1.62E-03	2.46E+00	2.99E+00	2.94E+00	7.10E-02	5.54E-02	6.05E+00
1125	482831.63	3853034.48	14.3663	3.59619	0.3693	0.78345	2.35E+00	2.79E+00	7.16E-02	5.77E-02	5.27E+00	2.31E+00	1.21E-04	7.85E-04	1.69E-03	2.32E+00	2.81E+00	2.79E+00	7.16E-02	5.77E-02	5.73E+00
1126	482881.63	3853034.48	14.933	3.39268	0.3758	0.79455	2.44E+00	2.63E+00	7.29E-02	5.85E-02	5.21E+00	2.41E+00	1.14E-04	7.99E-04	1.71E-03	2.41E+00	2.92E+00	2.63E+00	7.29E-02	5.85E-02	5.69E+00
1127	482781.63	3853084.48	16.0343	3.92924	0.3664	0.74385	2.62E+00	3.05E+00	7.10E-02	5.48E-02	5.80E+00	2.58E+00	1.32E-04	7.79E-04	1.60E-03	2.59E+00	3.14E+00	3.05E+00	7.10E-02	5.48E-02	6.31E+00
1128	482831.63	3853084.48	15.597	3.73638	0.3687	0.77884	2.55E+00	2.90E+00	7.15E-02	5.73E-02	5.58E+00	2.51E+00	1.26E-04	7.84E-04	1.68E-03	2.52E+00	3.05E+00	2.90E+00	7.15E-02	5.73E-02	6.08E+00
1129	482881.63	3853084.48	14.6988	3.53549	0.3719	0.79031	2.40E+00	2.74E+00	7.21E-02	5.82E-02	5.28E+00	2.37E+00	1.19E-04	7.91E-04	1.70E-03	2.37E+00	2.88E+00	2.74E+00	7.21E-02	5.82E-02	5.75E+00
1130	482781.63	3853134.48	16.2403	4.05817	0.369	0.7389	2.66E+00	3.15E+00	7.15E-02	5.44E-02	5.93E+00	2.62E+00	1.36E-04	7.85E-04	1.59E-03	2.62E+00	3.18E+00	3.15E+00	7.15E-02	5.44E-02	6.45E+00
1131	482831.63	3853134.48	16.3776	3.90041	0.3692	0.77419	2.68E+00	3.03E+00	7.16E-02	5.70E-02	5.83E+00	2.64E+00	1.31E-04	7.85E-04	1.67E-03	2.64E+00	3.20E+00	3.03E+00	7.16E-02	5.70E-02	6.36E+00
1132	482881.63	3853134.48	15.8965	3.71268	0.3718	0.78601	2.60E+00	2.88E+00	7.21E-02	5.79E-02	5.61E+00	2.56E+00	1.25E-04	7.91E-04	1.69E-03	2.56E+00	3.11E+00	2.88E+00	7.21E-02	5.79E-02	6.12E+00
1133	482831.63	3853184.48	16.6347	4.04845	0.3719	0.76754	2.72E+00	3.14E+00	7.21E-02	5.65E-02	5.99E+00	2.68E+00	1.36E-04	7.91E-04	1.65E-03	2.68E+00	3.26E+00	3.14E+00	7.21E-02	5.65E-02	6.52E+00
1134	482881.63	3853184.48	16.6961	3.87606	0.3728	0.78163	2.73E+00	3.01E+00	7.23E-02	5.75E-02	5.87E+00	2.69E+00	1.30E-04	7.93E-04	1.68E-03	2.69E+00	3.27E+00	3.01E+00	7.23E-02	5.75E-02	6.40E+00
1135	484154.84	3854250.98	22.3237	1.63656	0.4905	1.07816	3.65E+00	1.27E+00	9.51E-02	7.94E-02	5.10E+00	3.60E+00	5.50E-05	1.04E-03	2.32E-03	3.60E+00	4.37E+00	1.27E+00	9.51E-02	7.94E-02	5.81E+00
1136	484204.84	3854250.98	22.2633	1.56151	0.5067	1.06441	3.64E+00	1.21E+00	9.82E-02	7.84E-02	5.03E+00	3.59E+00	5.25E-05	1.08E-03	2.29E-03	3.59E+00	4.36E+00	1.21E+00	9.82E-02	7.84E-02	5.74E+00
1137	484154.84	3854300.98	23.2103	1.5756	0.4805	1.18007	3.80E+00	1.22E+00	9.32E-02	8.69E-02	5.20E+00	3.74E+00	5.29E-05	1.02E-03	2.54E-03	3.74E+00	4.54E+00	1.22E+00	9.32E-02	8.69E-02	5.94E+00
1138	484204.84	3854300.98	21.5522	1.52002	0.4965	1.24241	3.53E+00	1.18E+00	9.63E-02	9.15E-02	4.89E+00	3.47E+00	5.11E-05	1.06E-03	2.67E-03	3.48E+00	4.22E+00	1.18E+00	9.63E-02	9.15E-02	5.58E+00
1139	484074.19	3854519.8	25.5003	1.52794	0.4689	1.7212	4.17E+00	1.19E+00	9.09E-02	1.27E-01	5.57E+00	4.11E+00	5.13E-05	9.97E-04	3.71E-03	4.11E+00	4.99E+00	1.19E+00	9.09E-02	1.27E-01	6.39E+00
1140	484124.19	3854519.8	25.9796	1.46058	0.4614	1.66749	4.25E+00	1.13E+00	8.95E-02	1.23E-01	5.59E+00	4.19E+00	4.91E-05	9.81E-04	3.59E-03	4.19E+00	5.08E+00	1.13E+00	8.95E-02	1.23E-01	6.43E+00
1141	484074.19	3854569.8	24.0879	1.52109	0.477	1.84547	3.94E+00	1.18E+00	9.25E-02	1.36E-01	5.35E+00	3.88E+00	5.11E-05	1.01E-03	3.97E-03	3.89E+00	4.71E+00	1.18E+00	9.25E-02	1.36E-01	6.12E+00
1142	484124.19	3854569.8	25.0576	1.462	0.475	1.83502	4.10E+00	1.13E+00	9.21E-02	1.35E-01	5.46E+00	4.04E+00	4.91E-05	1.01E-03	3.95E-03	4.04E+00	4.90E+00	1.13E+00	9.21E-02	1.35E-01	6.26E+00
1143	485205.11	3855188.89	26.1671	1.8059	0.7521	2.35933	4.28E+00	1.40E+00	1.46E-01	1.74E-01	6.00E+00	4.22E+00	6.07E-05	1.60E-03	5.08E-03	4.22E+00	5.12E+00	1.40E+00	1.46E-01	1.74E-01	6.84E+00
1144	485255.11	3855188.89	23.3854	1.71975	0.754	2.25186	3.82E+00	1.33E+00	1.46E-01	1.66E-01	5.47E+00	3.77E+00	5.78E-05	1.60E-03	4.85E-03	3.77E+00	4.58E+00	1.33E+00	1.46E-01	1.66E-01	6.22E+00
1145	485205.11	3855238.89	28.0034	1.80351	0.7271	2.41483	4.58E+00	1.40E+00	1.41E-01	1.78E-01	6.30E+00	4.51E+00	6.06E-05	1.55E-03	5.20E-03	4.52E+00	5.48E+00	1.40E+00	1.41E-01	1.78E-01	7.20E+00
1146	485255.11	3855238.89	25.6341	1.79043	0.7685	2.44068	4.19E+00	1.39E+00	1.49E-01	1.80E-01	5.91E+00	4.13E+00	6.01E-05	1.63E-03	5.25E-03	4.14E+00	5.02E+00	1.39E+00	1.49E-01	1.80E-01	6.73E+00
1147	485205.11	3855288.89	31.8787	1.9262	0.7027	2.30162	5.21E+00	1.49E+00	1.36E-01	1.69E-01	7.01E+00	5.14E+00	6.47E-05	1.49E-03	4.95E-03	5.14E+00	6.24E+00	1.49E+00	1.36E-01	1.69E-01	8.04E+00
1148	485255.11	3855288.89	29.18	1.93882	0.7427	2.36831	4.77E+00	1.50E+00	1.44E-01	1.74E-01	6.60E+00	4.70E+00	6.51E-05	1.58E-03	5.10E-03	4.71E+00	5.71E+00	1.50E+00	1.44E-01	1.74E-01	7.53E+00
1149	485255.11	3855338.89	32.6492	2.03857	0.7163	2.47831	5.34E+00	1.58E+00	1.39E-01	1.82E-01	7.24E+00	5.26E+00	6.85E-05	1.52E-03	5.34E-03	5.27E+00	6.39E+00	1.58E+00	1.39E-01	1.82E-01	8.29E+00
1150	485305.11	3855338.89	30.2288	1.98722	0.7584	2.50478	4.94E+00	1.54E+00	1.47E-01	1.84E-01	6.82E+00	4.87E+00	6.68E-05	1.61E-03	5.39E-03	4.88E+00	5.92E+00	1.54E+00	1.47E-01	1.84E-01	7.79E+00
1151	485852.5	3855635.28	28.6834	1.93328	0.8988	3.445	4.69E+00	1.50E+00	1.74E-01	2.54E-01	6.62E+00	4.62E+00	6.49E-05	1.91E-03	7.42E-03	4.63E+00	5.61E+00	1.50E+00	1.74E-01	2.54E-01	7.54E+00
1152	485902.5	3855635.28	26.8104	1.82663	0.8958	3.55827	4.39E+00	1.42E+00	1.74E-01	2.62E-01	6.24E+00	4.32E+00	6.14E-05	1.90E-03	7.66E-03	4.33E+00	5.25E+00	1.42E+00	1.74E-01	2.62E-01	7.10E+00
1153	485852.5	3855685.28	30.3558	1.97837	0.9307	3.72169	4.97E+00	1.53E+00	1.80E-01	2.74E-01	6.95E+00	4.89E+00	6.65E-05	1.98E-03	8.01E-03	4.90E+00	5.94E+00	1.53E+00	1.80E-01	2.74E-01	7.93E+00
1154	485902.5	3855685.28	28.6409	1.87836	0.9232	3.79348	4.68E+00	1.46E+00	1.79E-01	2.79E-01	6.60E+00	4.61E+00	6.31E-05	1.96E-03	8.17E-03	4.63E+00	5.60E+00	1.46E+00	1.79E-01	2.79E-01	7.52E+00
1155	485852.5	3855735.28	32.1462	2.00851	0.9799	4.06954	5.26E+00	1.56E+00	1.90E-01	3.00E-01	7.31E+00	5.18E+00	6.75E-05	2.08E-03	8.76E-03	5.19E+00	6.29E+00	1.56E+00	1.90E-01	3.00E-01	8.34E+00

1156	485902.5	3855735.28	30.7685	1.96499	0.9553	4.14837	5.03E+00	1.52E+00	1.85E-01	3.05E-01	7.05E+00	4.96E+00	6.60E-05	2.03E-03	8.93E-03	4.97E+00	6.02E+00	1.52E+00	1.85E-01	3.05E-01	8.04E+00
1157	485852.5	3855785.28	34.4892	2.08621	1.0495	4.39322	5.64E+00	1.62E+00	2.03E-01	3.23E-01	7.79E+00	5.56E+00	7.01E-05	2.23E-03	9.46E-03	5.57E+00	6.75E+00	1.62E+00	2.03E-01	3.23E-01	8.89E+00
1158	485902.5	3855785.28	32.2307	1.97818	1.01	4.5337	5.27E+00	1.53E+00	1.96E-01	3.34E-01	7.34E+00	5.19E+00	6.65E-05	2.15E-03	9.76E-03	5.21E+00	6.31E+00	1.53E+00	1.96E-01	3.34E-01	8.37E+00
1159	486809.46	3856465.28	31.8898	1.83092	1.6435	3.75964	5.22E+00	1.42E+00	3.19E-01	2.77E-01	7.23E+00	5.14E+00	6.15E-05	3.49E-03	8.09E-03	5.15E+00	6.24E+00	1.42E+00	3.19E-01	2.77E-01	8.26E+00
1160	486859.46	3856465.28	31.113	1.82743	1.6966	3.7433	5.09E+00	1.42E+00	3.29E-01	2.76E-01	7.11E+00	5.01E+00	6.14E-05	3.61E-03	8.06E-03	5.03E+00	6.09E+00	1.42E+00	3.29E-01	2.76E-01	8.11E+00
1161	486909.46	3856465.28	30.2624	1.83993	1.6446	3.70895	4.95E+00	1.43E+00	3.19E-01	2.73E-01	6.97E+00	4.88E+00	6.18E-05	3.50E-03	7.98E-03	4.89E+00	5.92E+00	1.43E+00	3.19E-01	2.73E-01	7.94E+00
1162	486809.46	3856515.28	33.3106	1.85769	1.7005	3.87611	5.45E+00	1.44E+00	3.30E-01	2.85E-01	7.50E+00	5.37E+00	6.24E-05	3.62E-03	8.34E-03	5.38E+00	6.52E+00	1.44E+00	3.30E-01	2.85E-01	8.57E+00
1163	486859.46	3856515.28	32.5902	1.91404	1.7151	3.79319	5.33E+00	1.48E+00	3.33E-01	2.79E-01	7.43E+00	5.25E+00	6.43E-05	3.65E-03	8.17E-03	5.26E+00	6.38E+00	1.48E+00	3.33E-01	2.79E-01	8.47E+00
1164	486909.46	3856515.28	31.7533	1.9156	1.7696	3.74662	5.19E+00	1.49E+00	3.43E-01	2.76E-01	7.30E+00	5.12E+00	6.43E-05	3.76E-03	8.07E-03	5.13E+00	6.21E+00	1.49E+00	3.43E-01	2.76E-01	8.32E+00
1165	486980.94	3856357.95	26.733	1.72572	1.85	3.81099	4.37E+00	1.34E+00	3.59E-01	2.81E-01	6.35E+00	4.31E+00	5.80E-05	3.93E-03	8.20E-03	4.32E+00	5.23E+00	1.34E+00	3.59E-01	2.81E-01	7.21E+00
1166	487030.94	3856357.95	26.0726	1.72249	1.8777	3.80371	4.26E+00	1.34E+00	3.64E-01	2.80E-01	6.24E+00	4.20E+00	5.79E-05	3.99E-03	8.19E-03	4.21E+00	5.10E+00	1.34E+00	3.64E-01	2.80E-01	7.08E+00
1167	486980.94	3856407.95	28.0179	1.80534	1.9092	3.67918	4.58E+00	1.40E+00	3.70E-01	2.71E-01	6.62E+00	4.51E+00	6.06E-05	4.06E-03	7.92E-03	4.53E+00	5.48E+00	1.40E+00	3.70E-01	2.71E-01	7.52E+00
1168	487030.94	3856407.95	27.3048	1.8175	1.9248	3.66737	4.47E+00	1.41E+00	3.73E-01	2.70E-01	6.52E+00	4.40E+00	6.11E-05	4.09E-03	7.89E-03	4.41E+00	5.34E+00	1.41E+00	3.73E-01	2.70E-01	7.40E+00
1169	487447.18	3856437.45	22.8231	2.06703	1.9321	3.38058	3.73E+00	1.60E+00	3.75E-01	2.49E-01	5.96E+00	3.68E+00	6.94E-05	4.11E-03	7.28E-03	3.69E+00	4.47E+00	1.60E+00	3.75E-01	2.49E-01	6.69E+00
1170	487497.18	3856437.45	22.3021	2.13271	2.2128	3.31664	3.65E+00	1.65E+00	4.29E-01	2.44E-01	5.98E+00	3.59E+00	7.16E-05	4.70E-03	7.14E-03	3.61E+00	4.36E+00	1.65E+00	4.29E-01	2.44E-01	6.69E+00
1171	487547.18	3856437.45	21.7781	2.17008	2.5226	3.27517	3.56E+00	1.68E+00	4.89E-01	2.41E-01	5.98E+00	3.51E+00	7.29E-05	5.36E-03	7.05E-03	3.52E+00	4.26E+00	1.68E+00	4.89E-01	2.41E-01	6.68E+00
1172	487447.18	3856487.45	23.72	2.17494	2.0462	3.2755	3.88E+00	1.69E+00	3.97E-01	2.41E-01	6.20E+00	3.82E+00	7.31E-05	4.35E-03	7.05E-03	3.83E+00	4.64E+00	1.69E+00	3.97E-01	2.41E-01	6.97E+00
1173	487497.18	3856487.45	23.1296	2.23449	2.312	3.22003	3.78E+00	1.73E+00	4.48E-01	2.37E-01	6.20E+00	3.73E+00	7.51E-05	4.92E-03	6.93E-03	3.74E+00	4.53E+00	1.73E+00	4.48E-01	2.37E-01	6.94E+00
1174	487547.18	3856487.45	22.6801	2.27301	2.3395	3.18622	3.71E+00	1.76E+00	4.54E-01	2.35E-01	6.16E+00	3.65E+00	7.64E-05	4.97E-03	6.86E-03	3.67E+00	4.44E+00	1.76E+00	4.54E-01	2.35E-01	6.89E+00
1175	487447.18	3856537.45	24.7116	2.27956	2.2877	3.20428	4.04E+00	1.77E+00	4.44E-01	2.36E-01	6.49E+00	3.98E+00	7.66E-05	4.86E-03	6.90E-03	3.99E+00	4.84E+00	1.77E+00	4.44E-01	2.36E-01	7.28E+00
1176	487497.18	3856537.45	24.0736	2.35802	2.1982	3.21121	3.94E+00	1.83E+00	4.26E-01	2.36E-01	6.43E+00	3.88E+00	7.92E-05	4.67E-03	6.91E-03	3.89E+00	4.71E+00	1.83E+00	4.26E-01	2.36E-01	7.20E+00
1177	487547.18	3856537.45	23.4669	2.39599	2.3561	3.20487	3.84E+00	1.86E+00	4.57E-01	2.36E-01	6.39E+00	3.78E+00	8.05E-05	5.01E-03	6.90E-03	3.79E+00	4.59E+00	1.86E+00	4.57E-01	2.36E-01	7.14E+00
1178	489285.89	3858826.54	13.5126	10.1059	11.016	2.75089	2.21E+00	7.84E+00	2.14E+00	2.03E-01	1.24E+01	2.18E+00	3.39E-04	2.34E-02	5.92E-03	2.21E+00	2.64E+00	7.84E+00	2.14E+00	2.03E-01	1.28E+01
1179	489335.89	3858826.54	13.5121	9.91545	10.964	2.66639	2.21E+00	7.69E+00	2.13E+00	1.96E-01	1.22E+01	2.18E+00	3.33E-04	2.33E-02	5.74E-03	2.21E+00	2.64E+00	7.69E+00	2.13E+00	1.96E-01	1.27E+01
1180	489385.89	3858826.54	14.0144	9.63374	11.4	2.74406	2.29E+00	7.47E+00	2.21E+00	2.02E-01	1.22E+01	2.26E+00	3.24E-04	2.42E-02	5.91E-03	2.29E+00	2.74E+00	7.47E+00	2.21E+00	2.02E-01	1.26E+01
1181	489435.89	3858826.54	13.9773	9.4349	11.548	2.66717	2.29E+00	7.32E+00	2.24E+00	1.96E-01	1.20E+01	2.25E+00	3.17E-04	2.46E-02	5.74E-03	2.28E+00	2.74E+00	7.32E+00	2.24E+00	1.96E-01	1.25E+01
1182	489485.89	3858826.54	14.0572	9.25601	10.711	2.48653	2.30E+00	7.18E+00	2.08E+00	1.83E-01	1.17E+01	2.27E+00	3.11E-04	2.28E-02	5.35E-03	2.29E+00	2.75E+00	7.18E+00	2.08E+00	1.83E-01	1.22E+01
1183	489535.89	3858826.54	14.2515	8.97666	10.447	2.3852	2.33E+00	6.96E+00	2.03E+00	1.76E-01	1.15E+01	2.30E+00	3.02E-04	2.22E-02	5.13E-03	2.32E+00	2.79E+00	6.96E+00	2.03E+00	1.76E-01	1.20E+01
1184	489585.89	3858826.54	14.4334	8.75498	10.589	2.3796	2.36E+00	6.79E+00	2.05E+00	1.75E-01	1.14E+01	2.33E+00	2.94E-04	2.25E-02	5.12E-03	2.35E+00	2.82E+00	6.79E+00	2.05E+00	1.75E-01	1.18E+01
1185	489635.89	3858826.54	14.6785	8.54008	10.126	2.35911	2.40E+00	6.62E+00	1.96E+00	1.74E-01	1.12E+01	2.37E+00	2.87E-04	2.15E-02	5.08E-03	2.39E+00	2.87E+00	6.62E+00	1.96E+00	1.74E-01	1.16E+01
1186	489685.89	3858826.54	14.5072	8.31894	10.035	2.39027	2.37E+00	6.45E+00	1.95E+00	1.76E-01	1.09E+01	2.34E+00	2.79E-04	2.13E-02	5.15E-03	2.36E+00	2.84E+00	6.45E+00	1.95E+00	1.76E-01	1.14E+01
1187	489735.89	3858826.54	14.0006	8.12736	10.061	2.3969	2.29E+00	6.30E+00	1.95E+00	1.76E-01	1.07E+01	2.26E+00	2.73E-04	2.14E-02	5.16E-03	2.28E+00	2.74E+00	6.30E+00	1.95E+00	1.76E-01	1.12E+01
1188	489785.89	3858826.54	14.111	8.00846	10.218	2.32109	2.31E+00	6.21E+00	1.98E+00	1.71E-01	1.07E+01	2.27E+00	2.69E-04	2.17E-02	5.00E-03	2.30E+00	2.76E+00	6.21E+00	1.98E+00	1.71E-01	1.11E+01
1189	489835.89	3858826.54	13.958	7.84762	10.197	2.33541	2.28E+00	6.09E+00	1.98E+00	1.72E-01	1.05E+01	2.25E+00	2.64E-04	2.17E-02	5.03E-03	2.28E+00	2.73E+00	6.09E+00	1.98E+00	1.72E-01	1.10E+01
1190	489885.89	3858826.54	13.9087	7.74111	10.316	2.39679	2.27E+00	6.00E+00	2.00E+00	1.76E-01	1.05E+01	2.24E+00	2.60E-04	2.19E-02	5.16E-03	2.27E+00	2.72E+00	6.01E+00	2.00E+00	1.76E-01	1.09E+01
1191	489935.89	3858826.54	13.588	7.6004	10.943	2.36961	2.22E+00	5.90E+00	2.12E+00	1.74E-01	1.04E+01	2.19E+00	2.55E-04	2.33E-02	5.10E-03	2.22E+00	2.66E+00	5.90E+00	2.12E+00	1.74E-01	1.09E+01
1192	489985.89	3858826.54	13.4148	7.4455	11.514	2.37712	2.19E+00	5.78E+00	2.23E+00	1.75E-01	1.04E+01	2.16E+00	2.50E-04	2.45E-02	5.12E-03	2.19E+00	2.63E+00	5.78E+00	2.23E+00	1.75E-01	1.08E+01
1193	490035.89	3858826.54	13.3049	7.26838	12.168	2.31762	2.18E+00	5.64E+00	2.36E+00	1.71E-01	1.03E+01	2.14E+00	2.44E-04	2.59E-02	4.99E-03	2.17E+00	2.60E+00	5.64E+00	2.36E+00	1.71E-01	1.08E+01
1194	489285.89	3858876.54	12.7428	10.6501	9.606	2.88044	2.08E+00	8.26E+00	1.86E+00	2.12E-01	1.24E+01	2.05E+00	3.58E-04	2.04E-02	6.20E-03	2.08E+00	2.49E+00	8.26E+00	1.86E+00	2.12E-01	1.28E+01
1195	489335.89	3858876.54	13.4261	10.3797	10.397	2.85674	2.20E+00	8.05E+00	2.02E+00	2.10E-01	1.25E+01	2.16E+00	3.49E-04	2.21E-02	6.15E-03	2.19E+00	2.63E+00	8.05E+00	2.02E+00	2.10E-01	1.29E+01
1196	489385.89	3858876.54	13.4695	10.1075	10.782	2.56708	2.20E+00	7.84E+00	2.09E+00	1.89E-01	1.23E+01	2.17E+00	3.40E-04	2.29E-02	5.53E-03	2.20E+00	2.64E+00	7.84E+00	2.09E+00	1.89E-01	1.28E+01
1197	489435.89	3858876.54	13.7488	9.83219	10.386	2.64835	2.25E+00	7.63E+00	2.01E+00	1.95E-01	1.21E+01	2.22E+00	3.30E-04	2.21E-02	5.70E-03	2.24E+00	2.69E+00	7.63E+00	2.01E+00	1.95E-01	1.25E+01
1198	489485.89	3858876.54	13.7925	9.64642	10.594	2.5935	2.26E+00	7.48E+00	2.05E+00	1.91E-01	1.20E+01	2.22E+00	3.24E-04	2.25E-02	5.58E-03	2.25E+00	2.70E+00	7.48E+00	2.05E+00	1.91E-01	1.24E+01
1199	489535.89	3858876.54	13.7739	9.40946	10.377	2.47529	2.25E+00	7.30E+00	2.01E+00	1.82E-01	1.17E+01	2.22E+00	3.16E-04	2.21E-02	5.33E-03	2.25E+00	2.70E+00	7.30E+00	2.01E+00	1.82E-01	1.22E+01
1200	489585.89	3858876.54	13.9328	9.15904	9.5334	2.46818	2.28E+00	7.10E+00	1.85E+00	1.82E-01	1.14E+01	2.25E+00	3.08E-04	2.03E-02	5.31E-03	2.27E+00	2.73E+00	7.11E+00	1.85E+00	1.82E-01	1.19E+01
1201	489635.89	3858876.54	14.0109	8.97913	9.852	2.4873	2.29E+00	6.97E+00	1.91E+00	1.83E-01	1.14E+01	2.26E+00	3.02E-04	2.09E-02	5.35E-03	2.28E+00	2.74E+00	6.97E+00	1.91E+00	1.83E-01	1.18E+01
1202	489685.89	3858876.54	14.3694	8.79337	9.5333	2.43195	2.35E+00	6.82E+00	1.85E+00	1.79E-01	1.12E+01	2.32E+00	2.95E-04	2.03E-02	5.24E-03	2.34E+00	2.81E+00	6.82E+00	1.85E+00	1.79E-01	1.17E+01
1203	489735.89	3858876.54	14.3048	8.60342	9.3036	2.38697	2.34E+00	6.67E+00	1.80E+00	1.76E-01	1.10E+01	2.30E+00	2.89E-04	1.98E-02	5.14E-03	2.33E+00	2.80E+00	6.67E+00	1.80E+00	1.76E-01	1.15E+01
1204	489785.89	3858876.54	14	8.4542	9.1245	2.43152	2.29E+00	6.56E+00	1.77E+00	1.79E-01	1.08E+01	2.26E+00	2.84E-04	1.94E-02	5.23E-03	2.28E+00	2.74E+00	6.56E+00	1.77E+00	1.79E-01	1.12E+01
1205	489835.89	3858876.54	13.772	8.2493	9.117	2.45464	2.25E+00	6.40E+00	1.77E+00	1.81E-01	1.06E+01	2.22E+00	2.77E-04	1.94E-02	5.28E-03	2.24E+00	2.69E+00	6.40E+00	1.77E+00	1.81E-01	1.10E+01
1206	489885.89	3858876.54	13.7858	8.12622	9.4103	2.44612	2.25E+00	6.30E+00	1.82E+00	1.80E-01	1.06E+01	2.22E+00	2.73E-04	2.00E-02	5.27E-03	2.25E+00	2.70E+00	6.30E+00	1.82E+00	1.80E-01	1.10E+01
1207	489935.89	3858876.54	13.6847	7.91427	9.7467	2.34928	2.24E+00	6.14E+00	1.89E+00	1.73E-01	1.04E+01	2.21E+00	2.66E-04	2.07E-02	5.06E-03	2.23E+00	2.68E+00	6.14E+00	1.89E+00	1.73E-01	1.09E+01
1208	489985.89	3858876.54	13.4564	7.69566	9.711	2.35939	2.20E+00	5.97E+00	1.88E+00	1.74E-01	1.02E+01	2.17E+00	2.59E-04	2.06E-02	5.08E-03	2.19E+00	2.63E+00	5.97E+00	1.88E+00	1.74E-01	1.07E+01
1209	490035.89	3858876.54	13.1948	7.49038	10.434	2.39933	2.16E+00	5.81E+00	2.02E+00	1.77E-01	1.02E+01	2.13E+00	2.52E-04	2.22E-02	5.17E-03	2.15E+00	2.58E+00	5.81E+00	2.02E+00	1.77E-01	1.06E+01
1210	489285.89	3858926.54	11.779	11.2437	8.1782	2.80528	1.93E+00	8.72E+00	1.59E+00	2.07E-01	1.24E+01	1.90E+00	3.78E-04	1.74E-02	6.04E-03	1.92E+00	2.30E+00	8.72E+00	1.59E+00	2.07E-01	1.28E+01
1211	489335.89	3858926.54	12.6573	10.953	8.6215	2.64911	2.07E+00	8.50E+00	1.67E+00	1.95E-01	1.24E+01	2.04E+00	3.68E-04	1.83E-02	5.70E-03	2.06E+00	2.48E+00	8.50E+00	1.67E+00	1.95E-01	1.28E+01
1212	489385.89	3858926.54	13.3114	10.624	9.1804	2.74099	2.18E+00	8.24E+00	1.78E+00	2.02E-01	1.24E+01	2.14E+00	3.57E-04	1.95E-02	5.90E-03	2.17E+00	2.60E+00	8.24E+00	1.78E+00	2.02E-01	1.28E+01
1213	489435.89	3858926.54	13.3802	10.3806	10.032	2.70573	2.19E+00	8.05E+00	1.95E+00	1.99E-01	1.24E+01	2.16E+00	3.49E-04	2.13E-02	5.82E-03	2.18E+00	2.62E+00	8.05E+00	1.95E+00	1.99E-01	1.28E+01
1214	489485.89	3858926.54	13.2976	10.1108	9.8554	2.52441	2.17E+00	7.84E+00	1.91E+00	1.86E-01	1.21E+01	2.14E+00	3.40E-04	2.10E-02	5.43E-03	2.17E+00	2.60E+00	7.84E+00	1.91E+00	1.86E-01	1.25E+01
1215	489535.89	3858926.54	13.325	9.84977	9.8122	2.57237	2.18E+00	7.64E+00	1.90E+00	1.89E-01	1.19E+01	2.15E+00	3.31E-04	2.09E-02	5.54E-03	2.17E+00	2.61E+00	7.64E+00	1.90E+00	1.89E-01	1.23E+01
1216	489585.89	3858926.54	13.3934	9.60386	9.8524	2.60512	2.19E+00	7.45E+00	1.91E+00	1.92E-01	1.17E+01	2.16E+00	3.23E-04	2.09E-02	5.61E-03	2.18E+00	2.62E+00	7.45E+00	1.91E+00	1.92E-01	1.22E+01

1217	489635.89	3858926.54	13.6498	9.3487	9.5243	2.59299	2.23E+00	7.25E+00	1.85E+00	1.91E-01	1.15E+01	2.20E+00	3.14E-04	2.03E-02	5.58E-03	2.23E+00	2.67E+00	7.25E+00	1.85E+00	1.91E-01	1.20E+01
1218	489685.89	3858926.54	13.811	9.06804	9.0627	2.52936	2.26E+00	7.03E+00	1.76E+00	1.86E-01	1.12E+01	2.23E+00	3.05E-04	1.93E-02	5.45E-03	2.25E+00	2.70E+00	7.03E+00	1.76E+00	1.86E-01	1.17E+01
1219	489735.89	3858926.54	13.9796	8.86089	8.9042	2.44683	2.29E+00	6.87E+00	1.73E+00	1.80E-01	1.11E+01	2.25E+00	2.98E-04	1.89E-02	5.27E-03	2.28E+00	2.74E+00	6.87E+00	1.73E+00	1.80E-01	1.15E+01
1220	489785.89	3858926.54	14.1184	8.67734	8.6278	2.42645	2.31E+00	6.73E+00	1.67E+00	1.79E-01	1.09E+01	2.27E+00	2.91E-04	1.83E-02	5.22E-03	2.30E+00	2.76E+00	6.73E+00	1.67E+00	1.79E-01	1.13E+01
1221	489835.89	3858926.54	13.94	8.44288	8.5859	2.43218	2.28E+00	6.55E+00	1.66E+00	1.79E-01	1.07E+01	2.25E+00	2.84E-04	1.83E-02	5.24E-03	2.27E+00	2.73E+00	6.55E+00	1.66E+00	1.79E-01	1.11E+01
1222	489885.89	3858926.54	13.3897	8.25888	8.3015	2.42942	2.19E+00	6.41E+00	1.61E+00	1.79E-01	1.04E+01	2.16E+00	2.77E-04	1.77E-02	5.23E-03	2.18E+00	2.62E+00	6.41E+00	1.61E+00	1.79E-01	1.08E+01
1223	489935.89	3858926.54	13.5674	8.07271	8.444	2.41059	2.22E+00	6.26E+00	1.64E+00	1.77E-01	1.03E+01	2.19E+00	2.71E-04	1.80E-02	5.19E-03	2.21E+00	2.65E+00	6.26E+00	1.64E+00	1.77E-01	1.07E+01
1224	489985.89	3858926.54	13.434	7.85254	8.8689	2.46034	2.20E+00	6.09E+00	1.72E+00	1.81E-01	1.02E+01	2.16E+00	2.64E-04	1.89E-02	5.30E-03	2.19E+00	2.63E+00	6.09E+00	1.72E+00	1.81E-01	1.06E+01
1225	490035.89	3858926.54	13.3887	7.57938	9.2784	2.50339	2.19E+00	5.88E+00	1.80E+00	1.84E-01	1.01E+01	2.16E+00	2.55E-04	1.97E-02	5.39E-03	2.18E+00	2.62E+00	5.88E+00	1.80E+00	1.84E-01	1.05E+01
1226	489335.89	3858976.54	11.7816	11.4139	7.4015	2.70705	1.93E+00	8.85E+00	1.44E+00	1.99E-01	1.24E+01	1.90E+00	3.83E-04	1.57E-02	5.83E-03	1.92E+00	2.31E+00	8.85E+00	1.44E+00	1.99E-01	1.28E+01
1227	489385.89	3858976.54	12.442	11.0641	7.9179	2.58248	2.04E+00	8.58E+00	1.54E+00	1.90E-01	1.23E+01	2.00E+00	3.72E-04	1.68E-02	5.56E-03	2.03E+00	2.43E+00	8.58E+00	1.54E+00	1.90E-01	1.27E+01
1228	489435.89	3858976.54	13.1436	10.7676	8.369	2.54167	2.15E+00	8.35E+00	1.62E+00	1.87E-01	1.23E+01	2.12E+00	3.62E-04	1.78E-02	5.47E-03	2.14E+00	2.57E+00	8.35E+00	1.62E+00	1.87E-01	1.27E+01
1229	489485.89	3858976.54	13.2599	10.4856	8.9123	2.56863	2.17E+00	8.13E+00	1.73E+00	1.89E-01	1.22E+01	2.14E+00	3.52E-04	1.89E-02	5.53E-03	2.16E+00	2.59E+00	8.13E+00	1.73E+00	1.89E-01	1.26E+01
1230	489535.89	3858976.54	12.8605	10.1838	9.1042	2.54332	2.10E+00	7.90E+00	1.77E+00	1.87E-01	1.20E+01	2.07E+00	3.42E-04	1.94E-02	5.48E-03	2.10E+00	2.52E+00	7.90E+00	1.77E+00	1.87E-01	1.24E+01
1231	489585.89	3858976.54	13.1689	9.95864	9.0328	2.5534	2.15E+00	7.72E+00	1.75E+00	1.88E-01	1.18E+01	2.12E+00	3.35E-04	1.92E-02	5.50E-03	2.15E+00	2.58E+00	7.73E+00	1.75E+00	1.88E-01	1.22E+01
1232	489635.89	3858976.54	13.1362	9.70562	9.1309	2.54659	2.15E+00	7.53E+00	1.77E+00	1.87E-01	1.16E+01	2.12E+00	3.26E-04	1.94E-02	5.48E-03	2.14E+00	2.57E+00	7.53E+00	1.77E+00	1.87E-01	1.21E+01
1233	489685.89	3858976.54	13.3895	9.43408	9.0014	2.56111	2.19E+00	7.32E+00	1.75E+00	1.89E-01	1.14E+01	2.16E+00	3.17E-04	1.91E-02	5.51E-03	2.18E+00	2.62E+00	7.32E+00	1.75E+00	1.89E-01	1.19E+01
1234	489735.89	3858976.54	13.4858	9.22734	8.5446	2.60704	2.21E+00	7.16E+00	1.66E+00	1.92E-01	1.12E+01	2.17E+00	3.10E-04	1.82E-02	5.61E-03	2.20E+00	2.64E+00	7.16E+00	1.66E+00	1.92E-01	1.16E+01
1235	489785.89	3858976.54	13.6016	9.0656	8.6469	2.59663	2.22E+00	7.03E+00	1.68E+00	1.91E-01	1.11E+01	2.19E+00	3.05E-04	1.84E-02	5.59E-03	2.22E+00	2.66E+00	7.03E+00	1.68E+00	1.91E-01	1.16E+01
1236	489835.89	3858976.54	13.8347	8.87917	8.2679	2.47926	2.26E+00	6.89E+00	1.60E+00	1.83E-01	1.09E+01	2.23E+00	2.98E-04	1.76E-02	5.34E-03	2.25E+00	2.71E+00	6.89E+00	1.60E+00	1.83E-01	1.14E+01
1237	489885.89	3858976.54	13.6993	8.58917	8.063	2.49908	2.24E+00	6.66E+00	1.56E+00	1.84E-01	1.07E+01	2.21E+00	2.89E-04	1.71E-02	5.38E-03	2.23E+00	2.68E+00	6.66E+00	1.56E+00	1.84E-01	1.11E+01
1238	489935.89	3858976.54	13.3113	8.36247	7.9401	2.49936	2.18E+00	6.49E+00	1.54E+00	1.84E-01	1.04E+01	2.14E+00	2.81E-04	1.69E-02	5.38E-03	2.17E+00	2.60E+00	6.49E+00	1.54E+00	1.84E-01	1.08E+01
1239	489985.89	3858976.54	13.2466	8.17101	7.5585	2.60027	2.17E+00	6.34E+00	1.47E+00	1.91E-01	1.02E+01	2.13E+00	2.74E-04	1.61E-02	5.60E-03	2.16E+00	2.59E+00	6.34E+00	1.47E+00	1.91E-01	1.06E+01
1240	490035.89	3858976.54	13.2422	7.63857	8.1791	2.64	2.17E+00	5.93E+00	1.59E+00	1.94E-01	9.87E+00	2.13E+00	2.57E-04	1.74E-02	5.68E-03	2.16E+00	2.59E+00	5.93E+00	1.59E+00	1.94E-01	1.03E+01
1241	489385.89	3859026.54	11.8587	11.4041	6.7876	2.53414	1.94E+00	8.85E+00	1.32E+00	1.87E-01	1.23E+01	1.91E+00	3.83E-04	1.44E-02	5.46E-03	1.93E+00	2.32E+00	8.85E+00	1.32E+00	1.87E-01	1.27E+01
1242	489435.89	3859026.54	12.2678	11.0595	7.4169	2.61709	2.01E+00	8.58E+00	1.44E+00	1.93E-01	1.22E+01	1.98E+00	3.72E-04	1.58E-02	5.63E-03	2.00E+00	2.40E+00	8.58E+00	1.44E+00	1.93E-01	1.26E+01
1243	489485.89	3859026.54	12.9449	10.7301	7.6997	2.61064	2.12E+00	8.32E+00	1.49E+00	1.92E-01	1.21E+01	2.09E+00	3.60E-04	1.64E-02	5.62E-03	2.11E+00	2.53E+00	8.32E+00	1.49E+00	1.92E-01	1.25E+01
1244	489535.89	3859026.54	13.1813	10.4582	7.8073	2.56244	2.16E+00	8.11E+00	1.51E+00	1.89E-01	1.20E+01	2.12E+00	3.51E-04	1.66E-02	5.52E-03	2.15E+00	2.58E+00	8.11E+00	1.51E+00	1.89E-01	1.24E+01
1245	489585.89	3859026.54	12.709	10.1417	8.4034	2.70144	2.08E+00	7.87E+00	1.63E+00	1.99E-01	1.18E+01	2.05E+00	3.41E-04	1.79E-02	5.82E-03	2.07E+00	2.49E+00	7.87E+00	1.63E+00	1.99E-01	1.22E+01
1246	489635.89	3859026.54	13.1366	9.91982	8.4137	2.73517	2.15E+00	7.69E+00	1.63E+00	2.01E-01	1.17E+01	2.12E+00	3.33E-04	1.79E-02	5.89E-03	2.14E+00	2.57E+00	7.70E+00	1.63E+00	2.01E-01	1.21E+01
1247	489685.89	3859026.54	13.0614	9.68743	8.4164	2.70751	2.14E+00	7.51E+00	1.63E+00	1.99E-01	1.15E+01	2.10E+00	3.25E-04	1.79E-02	5.83E-03	2.13E+00	2.56E+00	7.51E+00	1.63E+00	1.99E-01	1.19E+01
1248	489735.89	3859026.54	13.0837	9.49074	8.5265	2.63663	2.14E+00	7.36E+00	1.65E+00	1.94E-01	1.13E+01	2.11E+00	3.19E-04	1.81E-02	5.68E-03	2.13E+00	2.56E+00	7.36E+00	1.65E+00	1.94E-01	1.18E+01
1249	489785.89	3859026.54	13.1716	9.29094	8.2137	2.61477	2.15E+00	7.21E+00	1.59E+00	1.93E-01	1.11E+01	2.12E+00	3.12E-04	1.75E-02	5.63E-03	2.15E+00	2.58E+00	7.21E+00	1.59E+00	1.93E-01	1.16E+01
1250	489835.89	3859026.54	13.2813	9.01135	8.0517	2.60196	2.17E+00	6.99E+00	1.56E+00	1.92E-01	1.09E+01	2.14E+00	3.03E-04	1.71E-02	5.60E-03	2.16E+00	2.60E+00	6.99E+00	1.56E+00	1.92E-01	1.13E+01
1251	489885.89	3859026.54	13.5192	8.81006	7.9392	2.60929	2.21E+00	6.83E+00	1.54E+00	1.92E-01	1.08E+01	2.18E+00	2.96E-04	1.69E-02	5.62E-03	2.20E+00	2.65E+00	6.83E+00	1.54E+00	1.92E-01	1.12E+01
1252	489935.89	3859026.54	13.5472	8.5957	7.7338	2.6076	2.22E+00	6.67E+00	1.50E+00	1.92E-01	1.06E+01	2.18E+00	2.89E-04	1.64E-02	5.61E-03	2.21E+00	2.65E+00	6.67E+00	1.50E+00	1.92E-01	1.10E+01
1253	489985.89	3859026.54	13.3694	8.38881	7.622	2.60825	2.19E+00	6.51E+00	1.48E+00	1.92E-01	1.04E+01	2.15E+00	2.82E-04	1.62E-02	5.61E-03	2.18E+00	2.62E+00	6.51E+00	1.48E+00	1.92E-01	1.08E+01
1254	490035.89	3859026.54	12.985	7.75018	7.3899	2.57822	2.12E+00	6.01E+00	1.43E+00	1.90E-01	9.76E+00	2.09E+00	2.60E-04	1.57E-02	5.55E-03	2.11E+00	2.54E+00	6.01E+00	1.43E+00	1.90E-01	1.02E+01
1255	489485.89	3859076.54	12.1954	10.9234	6.9003	2.70718	1.99E+00	8.47E+00	1.34E+00	1.99E-01	1.20E+01	1.97E+00	3.67E-04	1.47E-02	5.83E-03	1.99E+00	2.39E+00	8.47E+00	1.34E+00	1.99E-01	1.24E+01
1256	489535.89	3859076.54	12.7773	10.6119	7.0289	2.749	2.09E+00	8.23E+00	1.36E+00	2.02E-01	1.19E+01	2.06E+00	3.56E-04	1.49E-02	5.92E-03	2.08E+00	2.50E+00	8.23E+00	1.36E+00	2.02E-01	1.23E+01
1257	489585.89	3859076.54	13.0107	10.3389	7.3601	2.75954	2.13E+00	8.02E+00	1.43E+00	2.03E-01	1.18E+01	2.10E+00	3.47E-04	1.56E-02	5.94E-03	2.12E+00	2.55E+00	8.02E+00	1.43E+00	2.03E-01	1.22E+01
1258	489635.89	3859076.54	12.612	10.1317	7.593	2.69339	2.06E+00	7.86E+00	1.47E+00	1.98E-01	1.16E+01	2.03E+00	3.40E-04	1.61E-02	5.80E-03	2.05E+00	2.47E+00	7.86E+00	1.47E+00	1.98E-01	1.20E+01
1259	489685.89	3859076.54	12.8602	9.92699	7.8378	2.65437	2.10E+00	7.70E+00	1.52E+00	1.95E-01	1.15E+01	2.07E+00	3.33E-04	1.67E-02	5.71E-03	2.09E+00	2.52E+00	7.70E+00	1.52E+00	1.95E-01	1.19E+01
1260	489735.89	3859076.54	12.7678	9.72739	7.6805	2.63061	2.09E+00	7.55E+00	1.49E+00	1.94E-01	1.13E+01	2.06E+00	3.27E-04	1.63E-02	5.66E-03	2.08E+00	2.50E+00	7.55E+00	1.49E+00	1.94E-01	1.17E+01
1261	489785.89	3859076.54	12.7041	9.5271	7.877	2.65189	2.08E+00	7.39E+00	1.53E+00	1.95E-01	1.12E+01	2.05E+00	3.20E-04	1.67E-02	5.71E-03	2.07E+00	2.49E+00	7.39E+00	1.53E+00	1.95E-01	1.16E+01
1262	489835.89	3859076.54	12.9326	9.29048	7.9041	2.62042	2.12E+00	7.21E+00	1.53E+00	1.93E-01	1.10E+01	2.08E+00	3.12E-04	1.68E-02	5.64E-03	2.11E+00	2.53E+00	7.21E+00	1.53E+00	1.93E-01	1.15E+01
1263	489885.89	3859076.54	13.0501	9.03236	7.7461	2.60723	2.13E+00	7.01E+00	1.50E+00	1.92E-01	1.08E+01	2.10E+00	3.03E-04	1.65E-02	5.61E-03	2.13E+00	2.55E+00	7.01E+00	1.50E+00	1.92E-01	1.13E+01
1264	489935.89	3859076.54	13.1572	8.81636	7.355	2.58372	2.15E+00	6.84E+00	1.43E+00	1.90E-01	1.06E+01	2.12E+00	2.96E-04	1.56E-02	5.56E-03	2.14E+00	2.57E+00	6.84E+00	1.43E+00	1.90E-01	1.10E+01
1265	489985.89	3859076.54	13.3455	8.55209	7.3273	2.57414	2.18E+00	6.63E+00	1.42E+00	1.90E-01	1.04E+01	2.15E+00	2.87E-04	1.56E-02	5.54E-03	2.17E+00	2.61E+00	6.63E+00	1.42E+00	1.90E-01	1.09E+01
1266	490035.89	3859076.54	13.3024	7.97594	7.2278	2.59655	2.18E+00	6.19E+00	1.40E+00	1.91E-01	9.96E+00	2.14E+00	2.68E-04	1.54E-02	5.59E-03	2.16E+00	2.60E+00	6.19E+00	1.40E+00	1.91E-01	1.04E+01
1267	489585.89	3859126.54	12.5663	10.6509	6.4803	2.72254	2.06E+00	8.26E+00	1.26E+00	2.00E-01	1.18E+01	2.02E+00	3.58E-04	1.38E-02	5.86E-03	2.04E+00	2.46E+00	8.26E+00	1.26E+00	2.00E-01	1.22E+01
1268	489635.89	3859126.54	12.7534	10.4037	6.708	2.70785	2.09E+00	8.07E+00	1.30E+00	1.99E-01	1.17E+01	2.05E+00	3.49E-04	1.43E-02	5.83E-03	2.08E+00	2.50E+00	8.07E+00	1.30E+00	1.99E-01	1.21E+01
1269	489685.89	3859126.54	12.4993	10.1681	6.9702	2.68281	2.04E+00	7.89E+00	1.35E+00	1.98E-01	1.15E+01	2.01E+00	3.42E-04	1.48E-02	5.78E-03	2.03E+00	2.45E+00	7.89E+00	1.35E+00	1.98E-01	1.19E+01
1270	489735.89	3859126.54	12.4076	9.95629	7.2127	2.74885	2.03E+00	7.72E+00	1.40E+00	2.02E-01	1.14E+01	2.00E+00	3.34E-04	1.53E-02	5.92E-03	2.02E+00	2.43E+00	7.72E+00	1.40E+00	2.02E-01	1.18E+01
1271	489785.89	3859126.54	12.428	9.76811	7.2037	2.79505	2.03E+00	7.58E+00	1.40E+00	2.06E-01	1.12E+01	2.00E+00	3.28E-04	1.53E-02	6.02E-03	2.02E+00	2.43E+00	7.58E+00	1.40E+00	2.06E-01	1.16E+01
1272	489835.89	3859126.54	12.3377	9.54851	7.1828	2.68531	2.02E+00	7.41E+00	1.39E+00	1.98E-01	1.10E+01	1.99E+00	3.21E-04	1.53E-02	5.78E-03	2.01E+00	2.41E+00	7.41E+00	1.39E+00	1.98E-01	1.14E+01
1273	489885.89	3859126.54	12.6854	9.28972	7.4456	2.64534	2.07E+00	7.21E+00	1.44E+00	1.95E-01	1.09E+01	2.04E+00	3.12E-04	1.58E-02	5.69E-03	2.07E+00	2.48E+00	7.21E+00	1.44E+00	1.95E-01	1.13E+01
1274	489935.89	3859126.54	12.7165	9.08902	7.3529	2.61326	2.08E+00	7.05E+00	1.43E+00	1.92E-01	1.07E+01	2.05E+00	3.05E-04	1.56E-02	5.63E-03	2.07E+00	2.49E+00	7.05E+00	1.43E+00	1.92E-01	1.12E+01
1275	489985.89	3859126.54	12.8462	8.73722	7.2069	2.63369	2.10E+00	6.78E+00	1.40E+00	1.94E-01	1.05E+01	2.07E+00	2.93E-04	1.53E-02	5.67E-03	2.09E+00	2.51E+00	6.78E+00	1.40E+00	1.94E-01	1.09E+01
1276	490035.89	3859126.54	13.0825	8.37225	7.1131	2.65529	2.14E+00	6.49E+00	1.38E+00	1.95E-01	1.02E+01	2.11E+00	2.81E-04	1.51E-02	5.72E-03	2.13E+00	2.56E+00	6.49E+00	1.38E+00	1.95E-01	1.06E+01
1277	489585.89	3859176.54	12.2178	10.7252	5.8051	2.85762	2.00E+00	8.32E+00	1.13E+00	2.10E-01	1.17E+01	1.97E+00	3.60E-04	1.23E-02	6.15E-03	1.99E+00	2.39E+00	8.32E+00	1.13E+00	2.10E-01	1.20E+01

1278	489635.89	3859176.54	12.383	10.5321	6.1014	2.80117	2.03E+00	8.17E+00	1.18E+00	2.06E-01	1.16E+01	2.00E+00	3.54E-04	1.30E-02	6.03E-03	2.01E+00	2.42E+00	8.17E+00	1.18E+00	2.06E-01	1.20E+01
1279	489685.89	3859176.54	12.5183	10.3552	6.1347	2.81975	2.05E+00	8.03E+00	1.19E+00	2.08E-01	1.15E+01	2.02E+00	3.48E-04	1.30E-02	6.07E-03	2.04E+00	2.45E+00	8.03E+00	1.19E+00	2.08E-01	1.19E+01
1280	489735.89	3859176.54	12.3695	10.171	6.4708	2.80438	2.02E+00	7.89E+00	1.25E+00	2.06E-01	1.14E+01	1.99E+00	3.42E-04	1.38E-02	6.04E-03	2.01E+00	2.42E+00	7.89E+00	1.25E+00	2.06E-01	1.18E+01
1281	489785.89	3859176.54	11.9676	9.94063	6.6144	2.81099	1.96E+00	7.71E+00	1.28E+00	2.07E-01	1.12E+01	1.93E+00	3.34E-04	1.41E-02	6.05E-03	1.95E+00	2.34E+00	7.71E+00	1.28E+00	2.07E-01	1.15E+01
1282	489835.89	3859176.54	12.3108	9.70539	6.9191	2.80273	2.01E+00	7.53E+00	1.34E+00	2.06E-01	1.11E+01	1.98E+00	3.26E-04	1.47E-02	6.03E-03	2.00E+00	2.41E+00	7.53E+00	1.34E+00	2.06E-01	1.15E+01
1283	489885.89	3859176.54	12.2083	9.39452	6.7373	2.77436	2.00E+00	7.29E+00	1.31E+00	2.04E-01	1.08E+01	1.97E+00	3.16E-04	1.43E-02	5.97E-03	1.99E+00	2.39E+00	7.29E+00	1.31E+00	2.04E-01	1.12E+01
1284	489935.89	3859176.54	12.3966	9.20886	6.7577	2.79185	2.03E+00	7.14E+00	1.31E+00	2.06E-01	1.07E+01	2.00E+00	3.09E-04	1.44E-02	6.01E-03	2.02E+00	2.43E+00	7.14E+00	1.31E+00	2.06E-01	1.11E+01
1285	489985.89	3859176.54	12.4587	8.86448	6.8567	2.78344	2.04E+00	6.88E+00	1.33E+00	2.05E-01	1.04E+01	2.01E+00	2.98E-04	1.46E-02	5.99E-03	2.03E+00	2.44E+00	6.88E+00	1.33E+00	2.05E-01	1.08E+01
1286	490035.89	3859176.54	12.6245	8.67438	6.8525	2.76352	2.06E+00	6.73E+00	1.33E+00	2.03E-01	1.03E+01	2.03E+00	2.91E-04	1.46E-02	5.95E-03	2.06E+00	2.47E+00	6.73E+00	1.33E+00	2.03E-01	1.07E+01
1287	489685.89	3859226.54	12.1628	10.5758	5.6619	2.9017	1.99E+00	8.20E+00	1.10E+00	2.14E-01	1.15E+01	1.96E+00	3.55E-04	1.20E-02	6.25E-03	1.98E+00	2.38E+00	8.20E+00	1.10E+00	2.14E-01	1.19E+01
1288	489735.89	3859226.54	12.3718	10.2901	5.633	2.87516	2.02E+00	7.98E+00	1.09E+00	2.12E-01	1.13E+01	1.99E+00	3.46E-04	1.20E-02	6.19E-03	2.01E+00	2.42E+00	7.98E+00	1.09E+00	2.12E-01	1.17E+01
1289	489785.89	3859226.54	12.287	10.0203	5.9119	2.84094	2.01E+00	7.77E+00	1.15E+00	2.09E-01	1.11E+01	1.98E+00	3.37E-04	1.26E-02	6.12E-03	2.00E+00	2.40E+00	7.77E+00	1.15E+00	2.09E-01	1.15E+01
1290	489835.89	3859226.54	11.81	9.76233	6.07	2.76375	1.93E+00	7.57E+00	1.18E+00	2.03E-01	1.09E+01	1.90E+00	3.28E-04	1.29E-02	5.95E-03	1.92E+00	2.31E+00	7.57E+00	1.18E+00	2.03E-01	1.13E+01
1291	489885.89	3859226.54	12.2445	9.54314	6.4693	2.70027	2.00E+00	7.40E+00	1.25E+00	1.99E-01	1.09E+01	1.97E+00	3.21E-04	1.38E-02	5.81E-03	1.99E+00	2.40E+00	7.40E+00	1.25E+00	1.99E-01	1.13E+01
1292	489935.89	3859226.54	12.1304	9.31416	6.519	2.65336	1.98E+00	7.22E+00	1.26E+00	1.95E-01	1.07E+01	1.95E+00	3.13E-04	1.39E-02	5.71E-03	1.97E+00	2.37E+00	7.23E+00	1.26E+00	1.95E-01	1.11E+01
1293	489985.89	3859226.54	12.0577	8.91021	6.3087	2.62254	1.97E+00	6.91E+00	1.22E+00	1.93E-01	1.03E+01	1.94E+00	2.99E-04	1.34E-02	5.65E-03	1.96E+00	2.36E+00	6.91E+00	1.22E+00	1.93E-01	1.07E+01
1294	490035.89	3859226.54	12.2337	8.77471	6.3355	2.58223	2.00E+00	6.81E+00	1.23E+00	1.90E-01	1.02E+01	1.97E+00	2.95E-04	1.35E-02	5.56E-03	1.99E+00	2.39E+00	6.81E+00	1.23E+00	1.90E-01	1.06E+01
1295	489735.89	3859276.54	11.9418	10.5511	5.1838	2.87733	1.95E+00	8.18E+00	1.01E+00	2.12E-01	1.14E+01	1.92E+00	3.54E-04	1.10E-02	6.19E-03	1.94E+00	2.34E+00	8.18E+00	1.01E+00	2.12E-01	1.17E+01
1296	489785.89	3859276.54	12.155	10.3702	5.329	2.81712	1.99E+00	8.04E+00	1.03E+00	2.07E-01	1.13E+01	1.96E+00	3.48E-04	1.13E-02	6.06E-03	1.98E+00	2.38E+00	8.04E+00	1.03E+00	2.07E-01	1.17E+01
1297	489835.89	3859276.54	12.1961	10.0754	5.4724	2.70454	1.99E+00	7.82E+00	1.06E+00	1.99E-01	1.11E+01	1.97E+00	3.38E-04	1.16E-02	5.82E-03	1.98E+00	2.39E+00	7.82E+00	1.06E+00	1.99E-01	1.15E+01
1298	489885.89	3859276.54	11.7135	9.77171	5.6546	2.64485	1.92E+00	7.58E+00	1.10E+00	1.95E-01	1.08E+01	1.89E+00	3.28E-04	1.20E-02	5.69E-03	1.91E+00	2.29E+00	7.58E+00	1.10E+00	1.95E-01	1.12E+01
1299	489935.89	3859276.54	11.976	9.42446	5.7201	2.55756	1.96E+00	7.31E+00	1.11E+00	1.88E-01	1.06E+01	1.93E+00	3.17E-04	1.22E-02	5.51E-03	1.95E+00	2.34E+00	7.31E+00	1.11E+00	1.88E-01	1.10E+01
1300	489985.89	3859276.54	11.8194	8.91054	6.2766	2.51865	1.93E+00	6.91E+00	1.22E+00	1.85E-01	1.02E+01	1.90E+00	2.99E-04	1.33E-02	5.42E-03	1.92E+00	2.31E+00	6.91E+00	1.22E+00	1.85E-01	1.06E+01
1301	490035.89	3859276.54	11.6703	8.85748	6.1273	2.54066	1.91E+00	6.87E+00	1.19E+00	1.87E-01	1.02E+01	1.88E+00	2.98E-04	1.30E-02	5.47E-03	1.90E+00	2.28E+00	6.87E+00	1.19E+00	1.87E-01	1.05E+01
1302	490458.06	3859590.74	10.3328	8.55391	4.3836	2.73425	1.69E+00	6.64E+00	8.50E-01	2.01E-01	9.38E+00	1.66E+00	2.87E-04	9.32E-03	5.89E-03	1.68E+00	2.02E+00	6.64E+00	8.50E-01	2.01E-01	9.71E+00
1303	490508.06	3859590.74	10.6013	8.34348	4.5607	2.72048	1.73E+00	6.47E+00	8.84E-01	2.00E-01	9.29E+00	1.71E+00	2.80E-04	9.70E-03	5.86E-03	1.72E+00	2.07E+00	6.47E+00	8.84E-01	2.00E-01	9.63E+00
1304	490558.06	3859590.74	10.7019	8.13444	4.3142	2.70834	1.75E+00	6.31E+00	8.37E-01	1.99E-01	9.10E+00	1.72E+00	2.73E-04	9.17E-03	5.83E-03	1.74E+00	2.09E+00	6.31E+00	8.37E-01	1.99E-01	9.44E+00
1305	490608.06	3859590.74	10.9062	7.89676	4.3465	2.6872	1.78E+00	6.13E+00	8.43E-01	1.98E-01	8.95E+00	1.76E+00	2.65E-04	9.24E-03	5.78E-03	1.77E+00	2.13E+00	6.13E+00	8.43E-01	1.98E-01	9.30E+00
1306	490658.06	3859590.74	10.8688	7.6258	4.2832	2.66938	1.78E+00	5.92E+00	8.31E-01	1.97E-01	8.72E+00	1.75E+00	2.56E-04	9.11E-03	5.75E-03	1.77E+00	2.13E+00	5.92E+00	8.31E-01	1.97E-01	9.07E+00
1307	490708.06	3859590.74	11.0399	7.30907	4.2012	2.64705	1.81E+00	5.67E+00	8.15E-01	1.95E-01	8.48E+00	1.78E+00	2.46E-04	8.93E-03	5.70E-03	1.79E+00	2.16E+00	5.67E+00	8.15E-01	1.95E-01	8.84E+00
1308	490758.06	3859590.74	10.9813	6.98221	4.1957	2.63908	1.80E+00	5.42E+00	8.14E-01	1.94E-01	8.22E+00	1.77E+00	2.35E-04	8.92E-03	5.68E-03	1.78E+00	2.15E+00	5.42E+00	8.14E-01	1.94E-01	8.57E+00
1309	490808.06	3859590.74	10.7258	6.72385	4.2417	2.63893	1.75E+00	5.22E+00	8.22E-01	1.94E-01	7.99E+00	1.73E+00	2.26E-04	9.02E-03	5.68E-03	1.74E+00	2.10E+00	5.22E+00	8.22E-01	1.94E-01	8.33E+00
1310	490858.06	3859590.74	10.4829	6.44436	4.147	2.65237	1.71E+00	5.00E+00	8.04E-01	1.95E-01	7.71E+00	1.69E+00	2.16E-04	8.82E-03	5.71E-03	1.70E+00	2.05E+00	5.00E+00	8.04E-01	1.95E-01	8.05E+00
1311	490458.06	3859640.74	10.2026	8.66494	3.6015	2.75649	1.67E+00	6.72E+00	6.98E-01	2.03E-01	9.29E+00	1.64E+00	2.91E-04	7.66E-03	5.93E-03	1.66E+00	2.00E+00	6.72E+00	6.98E-01	2.03E-01	9.62E+00
1312	490508.06	3859640.74	10.0495	8.43725	3.9314	2.73176	1.64E+00	6.54E+00	7.62E-01	2.01E-01	9.15E+00	1.62E+00	2.83E-04	8.36E-03	5.88E-03	1.63E+00	1.97E+00	6.55E+00	7.62E-01	2.01E-01	9.48E+00
1313	490558.06	3859640.74	10.3168	8.23673	4.294	2.69205	1.69E+00	6.39E+00	8.33E-01	1.98E-01	9.11E+00	1.66E+00	2.77E-04	9.13E-03	5.80E-03	1.68E+00	2.02E+00	6.39E+00	8.33E-01	1.98E-01	9.44E+00
1314	490608.06	3859640.74	10.4982	8.02838	4.2675	2.65105	1.72E+00	6.23E+00	8.28E-01	1.95E-01	8.97E+00	1.69E+00	2.70E-04	9.07E-03	5.71E-03	1.71E+00	2.05E+00	6.23E+00	8.28E-01	1.95E-01	9.30E+00
1315	490658.06	3859640.74	10.6718	7.79021	4.077	2.62364	1.75E+00	6.04E+00	7.91E-01	1.93E-01	8.77E+00	1.72E+00	2.62E-04	8.67E-03	5.65E-03	1.73E+00	2.09E+00	6.04E+00	7.91E-01	1.93E-01	9.12E+00
1316	490708.06	3859640.74	10.7186	7.56165	4.166	2.60897	1.75E+00	5.87E+00	8.08E-01	1.92E-01	8.62E+00	1.73E+00	2.54E-04	8.86E-03	5.62E-03	1.74E+00	2.10E+00	5.87E+00	8.08E-01	1.92E-01	8.96E+00
1317	490758.06	3859640.74	10.7501	7.28803	4.0861	2.59335	1.76E+00	5.65E+00	7.92E-01	1.91E-01	8.39E+00	1.73E+00	2.45E-04	8.69E-03	5.58E-03	1.75E+00	2.10E+00	5.65E+00	7.92E-01	1.91E-01	8.74E+00
1318	490808.06	3859640.74	10.7015	7.08243	3.9673	2.57774	1.75E+00	5.49E+00	7.69E-01	1.90E-01	8.20E+00	1.72E+00	2.38E-04	8.44E-03	5.55E-03	1.74E+00	2.09E+00	5.49E+00	7.69E-01	1.90E-01	8.55E+00
1319	490858.06	3859640.74	10.7119	6.86151	3.9865	2.58181	1.75E+00	5.32E+00	7.73E-01	1.90E-01	8.04E+00	1.73E+00	2.30E-04	8.48E-03	5.56E-03	1.74E+00	2.10E+00	5.32E+00	7.73E-01	1.90E-01	8.38E+00
1320	490608.06	3859690.74	10.0192	8.08409	3.9428	2.67456	1.64E+00	6.27E+00	7.65E-01	1.97E-01	8.87E+00	1.61E+00	2.72E-04	8.38E-03	5.76E-03	1.63E+00	1.96E+00	6.27E+00	7.65E-01	1.97E-01	9.19E+00
1321	490658.06	3859690.74	10.2344	7.79578	4.1903	2.63562	1.67E+00	6.05E+00	8.13E-01	1.94E-01	8.73E+00	1.65E+00	2.62E-04	8.91E-03	5.67E-03	1.66E+00	2.00E+00	6.05E+00	8.13E-01	1.94E-01	9.06E+00
1322	490708.06	3859690.74	10.4083	7.53456	3.9716	2.61591	1.70E+00	5.84E+00	7.70E-01	1.93E-01	8.51E+00	1.68E+00	2.53E-04	8.44E-03	5.63E-03	1.69E+00	2.04E+00	5.84E+00	7.70E-01	1.93E-01	8.84E+00
1323	490758.06	3859690.74	10.5006	7.2776	3.8998	2.60649	1.72E+00	5.65E+00	7.56E-01	1.92E-01	8.31E+00	1.69E+00	2.44E-04	8.29E-03	5.61E-03	1.71E+00	2.05E+00	5.65E+00	7.56E-01	1.92E-01	8.65E+00
1324	490808.06	3859690.74	10.4652	7.06937	3.9772	2.59382	1.71E+00	5.48E+00	7.71E-01	1.91E-01	8.16E+00	1.69E+00	2.37E-04	8.46E-03	5.58E-03	1.70E+00	2.05E+00	5.48E+00	7.71E-01	1.91E-01	8.49E+00
1325	490858.06	3859690.74	10.5836	6.99923	3.9023	2.57991	1.73E+00	5.43E+00	7.57E-01	1.90E-01	8.11E+00	1.71E+00	2.35E-04	8.30E-03	5.55E-03	1.72E+00	2.07E+00	5.43E+00	7.57E-01	1.90E-01	8.45E+00
1326	490708.06	3859740.74	10.0148	7.78357	3.8827	2.61365	1.64E+00	6.04E+00	7.53E-01	1.92E-01	8.62E+00	1.61E+00	2.61E-04	8.26E-03	5.63E-03	1.63E+00	1.96E+00	6.04E+00	7.53E-01	1.92E-01	8.94E+00
1327	490758.06	3859740.74	10.1126	7.61628	3.9393	2.61495	1.65E+00	5.91E+00	7.64E-01	1.93E-01	8.52E+00	1.63E+00	2.56E-04	8.38E-03	5.63E-03	1.64E+00	1.98E+00	5.91E+00	7.64E-01	1.93E-01	8.84E+00
1328	490808.06	3859740.74	10.338	7.39808	3.7156	2.60412	1.69E+00	5.74E+00	7.20E-01	1.92E-01	8.34E+00	1.67E+00	2.49E-04	7.90E-03	5.61E-03	1.68E+00	2.02E+00	5.74E+00	7.20E-01	1.92E-01	8.67E+00
1329	490858.06	3859740.74	10.2661	7.18155	3.7595	2.58955	1.68E+00	5.57E+00	7.29E-01	1.91E-01	8.17E+00	1.65E+00	2.41E-04	7.99E-03	5.57E-03	1.67E+00	2.01E+00	5.57E+00	7.29E-01	1.91E-01	8.50E+00
1330	490786.56	3859749.39	10.1563	7.54679	3.8321	2.60029	1.66E+00	5.85E+00	7.43E-01	1.91E-01	8.45E+00	1.64E+00	2.54E-04	8.15E-03	5.60E-03	1.65E+00	1.99E+00	5.85E+00	7.43E-01	1.91E-01	8.78E+00
1331	490836.56	3859749.39	10.2833	7.33989	3.7072	2.59608	1.68E+00	5.69E+00	7.19E-01	1.91E-01	8.29E+00	1.66E+00	2.47E-04	7.88E-03	5.59E-03	1.67E+00	2.01E+00	5.69E+00	7.19E-01	1.91E-01	8.62E+00
1332	490786.56	3859799.39	9.7401	7.77072	3.6213	2.56854	1.59E+00	6.03E+00	7.02E-01	1.89E-01	8.51E+00	1.57E+00	2.61E-04	7.70E-03	5.53E-03	1.58E+00	1.91E+00	6.03E+00	7.02E-01	1.89E-01	8.83E+00
1333	490836.56	3859799.39	9.87903	7.56341	3.7862	2.55188	1.62E+00	5.87E+00	7.34E-01	1.88E-01	8.40E+00	1.59E+00	2.54E-04	8.05E-03	5.49E-03	1.61E+00	1.93E+00	5.87E+00	7.34E-01	1.88E-01	8.72E+00
1334	492307.84	3854508.36	3.56936	0.62454	3.8758	1.83521	5.84E-01	4.84E-01	7.52E-01	1.35E-01	1.95E+00	5.75E-01	2.10E-05	8.24E-03	3.95E-03	5.87E-01	6.98E-01	4.84E-01	7.52E-01	1.35E-01	2.07E+00
1335	486445.7	3854753.6	3.21369	0.64928	0.8632	1.86614	5.26E-01	5.04E-01	1.67E-01	1.37E-01	1.33E+00	5.18E-01	2.18E-05	1.84E-03	4.02E-03	5.24E-01	6.29E-01	5.04E-01	1.67E-01	1.37E-01	1.44E+00
1336	472599.75	3877830.11	0.86455	0.53379	0.113	0.07747	1.41E-01	4.14E-01	2.19E-02	5.70E-03	5.83E-01	1.39E-01	1.79E-05	2.40E-04	1.67E-04	1.40E-01	1.69E-01	4.14E-01	2.19E-02	5.70E-03	6.11E-01
1337	493107.48	3866840.19	3.15771	1.87462	0.2695	0.14608	5.16E-01	1.45E+00	5.23E-02	1.08E-02	2.03E+00	5.09E-01	6.30E-05	5.73E-04	3.14E-04	5.10E-01	6.18E-01	1.45E+00	5.23E-02	1.08E-02	2.14E+00
1338	495815.79	3861662.87	4.51664	3.31145	1.4367	1.54196	7.39E-01	2.57E+00	2.79E-01	1.14E-01	3.70E+00	7.28E-01	1.11E-04	3.05E-03	3.32E-03	7.34E-01	8.84E-01	2.57E+00	2.79E-01	1.14E-01	3.84E+00

1339	480272.33	3841389.2	0.20048	0.11826	0.1436	0.15414	3.28E-02	9.17E-02	2.79E-02	1.13E-02	1.64E-01	3.23E-02	3.97E-06	3.05E-04	3.32E-04	3.29E-02	3.92E-02	9.17E-02	2.79E-02	1.13E-02	1.70E-01
1340	497005.18	3862813.64	3.38436	3.22565	0.7836	0.87448	5.54E-01	2.50E+00	1.52E-01	6.44E-02	3.27E+00	5.45E-01	1.08E-04	1.67E-03	1.88E-03	5.49E-01	6.62E-01	2.50E+00	1.52E-01	6.44E-02	3.38E+00
1341	493677.33	3860302.55	7.59404	4.13749	3.6019	2.37887	1.24E+00	3.21E+00	6.98E-01	1.75E-01	5.33E+00	1.22E+00	1.39E-04	7.66E-03	5.12E-03	1.24E+00	1.49E+00	3.21E+00	6.98E-01	1.75E-01	5.57E+00
1342	493727.33	3860302.55	7.42014	4.11267	3.669	2.38126	1.21E+00	3.19E+00	7.11E-01	1.75E-01	5.29E+00	1.20E+00	1.38E-04	7.80E-03	5.13E-03	1.21E+00	1.45E+00	3.19E+00	7.11E-01	1.75E-01	5.53E+00
1343	493777.33	3860302.55	7.25647	4.07503	3.6461	2.3808	1.19E+00	3.16E+00	7.07E-01	1.75E-01	5.23E+00	1.17E+00	1.37E-04	7.75E-03	5.13E-03	1.18E+00	1.42E+00	3.16E+00	7.07E-01	1.75E-01	5.46E+00
1344	493827.33	3860302.55	7.15939	4.04493	3.716	2.36632	1.17E+00	3.14E+00	7.21E-01	1.74E-01	5.20E+00	1.15E+00	1.36E-04	7.90E-03	5.09E-03	1.17E+00	1.40E+00	3.14E+00	7.21E-01	1.74E-01	5.43E+00
1345	493877.33	3860302.55	7.07673	4.02297	3.8073	2.35669	1.16E+00	3.12E+00	7.38E-01	1.74E-01	5.19E+00	1.14E+00	1.35E-04	8.10E-03	5.07E-03	1.15E+00	1.38E+00	3.12E+00	7.38E-01	1.74E-01	5.42E+00
1346	493927.33	3860302.55	7.00547	3.9995	3.8886	2.35631	1.15E+00	3.10E+00	7.54E-01	1.73E-01	5.18E+00	1.13E+00	1.34E-04	8.27E-03	5.07E-03	1.14E+00	1.37E+00	3.10E+00	7.54E-01	1.73E-01	5.40E+00
1347	493977.33	3860302.55	7.01364	3.94459	3.8573	2.34245	1.15E+00	3.06E+00	7.48E-01	1.72E-01	5.13E+00	1.13E+00	1.33E-04	8.20E-03	5.04E-03	1.14E+00	1.37E+00	3.06E+00	7.48E-01	1.72E-01	5.35E+00
1348	494027.33	3860302.55	6.92552	3.8974	3.8791	2.33687	1.13E+00	3.02E+00	7.52E-01	1.72E-01	5.08E+00	1.12E+00	1.31E-04	8.25E-03	5.03E-03	1.13E+00	1.36E+00	3.02E+00	7.52E-01	1.72E-01	5.30E+00
1349	493677.33	3860352.55	7.62279	4.17194	3.3107	2.41344	1.25E+00	3.24E+00	6.42E-01	1.78E-01	5.30E+00	1.23E+00	1.40E-04	7.04E-03	5.20E-03	1.24E+00	1.49E+00	3.24E+00	6.42E-01	1.78E-01	5.55E+00
1350	493727.33	3860352.55	7.61138	4.12777	3.3845	2.40124	1.24E+00	3.20E+00	6.56E-01	1.77E-01	5.28E+00	1.23E+00	1.39E-04	7.20E-03	5.17E-03	1.24E+00	1.49E+00	3.20E+00	6.56E-01	1.77E-01	5.52E+00
1351	493777.33	3860352.55	7.4183	4.09474	3.4663	2.39105	1.21E+00	3.18E+00	6.72E-01	1.76E-01	5.24E+00	1.20E+00	1.38E-04	7.37E-03	5.15E-03	1.21E+00	1.45E+00	3.18E+00	6.72E-01	1.76E-01	5.48E+00
1352	493827.33	3860352.55	7.26876	4.07738	3.5475	2.38681	1.19E+00	3.16E+00	6.88E-01	1.76E-01	5.22E+00	1.17E+00	1.37E-04	7.54E-03	5.14E-03	1.18E+00	1.42E+00	3.16E+00	6.88E-01	1.76E-01	5.45E+00
1353	493877.33	3860352.55	7.09816	4.04326	3.6099	2.37285	1.16E+00	3.14E+00	7.00E-01	1.75E-01	5.17E+00	1.14E+00	1.36E-04	7.68E-03	5.11E-03	1.16E+00	1.39E+00	3.14E+00	7.00E-01	1.75E-01	5.40E+00
1354	493927.33	3860352.55	7.01435	4.00849	3.5819	2.35592	1.15E+00	3.11E+00	6.95E-01	1.73E-01	5.12E+00	1.13E+00	1.35E-04	7.62E-03	5.07E-03	1.14E+00	1.37E+00	3.11E+00	6.95E-01	1.73E-01	5.35E+00
1355	493977.33	3860352.55	6.96726	3.97189	3.6536	2.34107	1.14E+00	3.08E+00	7.08E-01	1.72E-01	5.10E+00	1.12E+00	1.33E-04	7.77E-03	5.04E-03	1.14E+00	1.36E+00	3.08E+00	7.08E-01	1.72E-01	5.33E+00
1356	494027.33	3860352.55	6.90675	3.94634	3.7271	2.33853	1.13E+00	3.06E+00	7.23E-01	1.72E-01	5.09E+00	1.11E+00	1.33E-04	7.92E-03	5.03E-03	1.13E+00	1.35E+00	3.06E+00	7.23E-01	1.72E-01	5.31E+00
1357	493677.33	3860402.55	7.36417	4.2684	3.0023	2.38906	1.20E+00	3.31E+00	5.82E-01	1.76E-01	5.27E+00	1.19E+00	1.43E-04	6.38E-03	5.14E-03	1.20E+00	1.44E+00	3.31E+00	5.82E-01	1.76E-01	5.51E+00
1358	493727.33	3860402.55	7.36122	4.21283	3.0774	2.38514	1.20E+00	3.27E+00	5.97E-01	1.76E-01	5.24E+00	1.19E+00	1.42E-04	6.54E-03	5.13E-03	1.20E+00	1.44E+00	3.27E+00	5.97E-01	1.76E-01	5.48E+00
1359	493777.33	3860402.55	7.47378	4.16029	3.1702	2.37202	1.22E+00	3.23E+00	6.15E-01	1.75E-01	5.24E+00	1.20E+00	1.40E-04	6.74E-03	5.11E-03	1.22E+00	1.46E+00	3.23E+00	6.15E-01	1.75E-01	5.48E+00
1360	493827.33	3860402.55	7.44793	4.11575	3.2376	2.35593	1.22E+00	3.19E+00	6.28E-01	1.73E-01	5.21E+00	1.20E+00	1.38E-04	6.88E-03	5.07E-03	1.21E+00	1.46E+00	3.19E+00	6.28E-01	1.73E-01	5.45E+00
1361	493877.33	3860402.55	7.25373	4.07053	3.3284	2.34611	1.19E+00	3.16E+00	6.45E-01	1.73E-01	5.16E+00	1.17E+00	1.37E-04	7.08E-03	5.05E-03	1.18E+00	1.42E+00	3.16E+00	6.45E-01	1.73E-01	5.40E+00
1362	493927.33	3860402.55	7.14897	4.02792	3.4146	2.32758	1.17E+00	3.12E+00	6.62E-01	1.71E-01	5.13E+00	1.15E+00	1.35E-04	7.26E-03	5.01E-03	1.16E+00	1.40E+00	3.12E+00	6.62E-01	1.71E-01	5.36E+00
1363	493977.33	3860402.55	6.99007	3.99022	3.4893	2.30581	1.14E+00	3.10E+00	6.77E-01	1.70E-01	5.08E+00	1.13E+00	1.34E-04	7.42E-03	4.96E-03	1.14E+00	1.37E+00	3.10E+00	6.77E-01	1.70E-01	5.31E+00
1364	494027.33	3860402.55	6.8868	3.96963	3.4929	2.30068	1.13E+00	3.08E+00	6.77E-01	1.69E-01	5.05E+00	1.11E+00	1.33E-04	7.43E-03	4.95E-03	1.12E+00	1.35E+00	3.08E+00	6.77E-01	1.69E-01	5.27E+00
1365	493677.33	3860452.55	7.17353	4.26911	2.8468	2.37006	1.17E+00	3.31E+00	5.52E-01	1.74E-01	5.21E+00	1.16E+00	1.43E-04	6.05E-03	5.10E-03	1.17E+00	1.40E+00	3.31E+00	5.52E-01	1.74E-01	5.44E+00
1366	493727.33	3860452.55	7.15933	4.23622	2.8574	2.3776	1.17E+00	3.29E+00	5.54E-01	1.75E-01	5.19E+00	1.15E+00	1.42E-04	6.08E-03	5.12E-03	1.16E+00	1.40E+00	3.29E+00	5.54E-01	1.75E-01	5.42E+00
1367	493777.33	3860452.55	7.20491	4.18584	2.879	2.36262	1.18E+00	3.25E+00	5.58E-01	1.74E-01	5.16E+00	1.16E+00	1.41E-04	6.12E-03	5.09E-03	1.17E+00	1.41E+00	3.25E+00	5.58E-01	1.74E-01	5.39E+00
1368	493827.33	3860452.55	7.2394	4.14858	2.9428	2.33924	1.18E+00	3.22E+00	5.71E-01	1.72E-01	5.14E+00	1.17E+00	1.39E-04	6.26E-03	5.04E-03	1.18E+00	1.42E+00	3.22E+00	5.71E-01	1.72E-01	5.38E+00
1369	493877.33	3860452.55	7.31242	4.10977	3.0315	2.32371	1.20E+00	3.19E+00	5.88E-01	1.71E-01	5.14E+00	1.18E+00	1.38E-04	6.45E-03	5.00E-03	1.19E+00	1.43E+00	3.19E+00	5.88E-01	1.71E-01	5.38E+00
1370	493927.33	3860452.55	7.32997	4.07928	3.1113	2.3029	1.20E+00	3.16E+00	6.03E-01	1.70E-01	5.14E+00	1.18E+00	1.37E-04	6.62E-03	4.96E-03	1.19E+00	1.43E+00	3.16E+00	6.03E-01	1.70E-01	5.37E+00
1371	493977.33	3860452.55	7.13487	4.04611	3.2061	2.30158	1.17E+00	3.14E+00	6.22E-01	1.69E-01	5.10E+00	1.15E+00	1.36E-04	6.82E-03	4.95E-03	1.16E+00	1.40E+00	3.14E+00	6.22E-01	1.69E-01	5.33E+00
1372	494027.33	3860452.55	7.02781	4.00967	3.2871	2.30085	1.15E+00	3.11E+00	6.37E-01	1.69E-01	5.07E+00	1.13E+00	1.35E-04	6.99E-03	4.95E-03	1.14E+00	1.38E+00	3.11E+00	6.37E-01	1.69E-01	5.29E+00
1373	493677.33	3860502.55	6.91788	4.27849	2.6548	2.35362	1.13E+00	3.32E+00	5.15E-01	1.73E-01	5.14E+00	1.11E+00	1.44E-04	5.64E-03	5.07E-03	1.13E+00	1.35E+00	3.32E+00	5.15E-01	1.73E-01	5.36E+00
1374	493727.33	3860502.55	6.97278	4.23933	2.7193	2.35934	1.14E+00	3.29E+00	5.27E-01	1.74E-01	5.13E+00	1.12E+00	1.42E-04	5.78E-03	5.08E-03	1.13E+00	1.36E+00	3.29E+00	5.27E-01	1.74E-01	5.35E+00
1375	493777.33	3860502.55	7.01941	4.22449	2.7365	2.36269	1.15E+00	3.28E+00	5.31E-01	1.74E-01	5.13E+00	1.13E+00	1.42E-04	5.82E-03	5.09E-03	1.14E+00	1.37E+00	3.28E+00	5.31E-01	1.74E-01	5.36E+00
1376	493827.33	3860502.55	7.03355	4.18292	2.7498	2.36243	1.15E+00	3.24E+00	5.33E-01	1.74E-01	5.10E+00	1.13E+00	1.41E-04	5.85E-03	5.09E-03	1.14E+00	1.38E+00	3.24E+00	5.33E-01	1.74E-01	5.33E+00
1377	493877.33	3860502.55	7.0961	4.14103	2.771	2.35433	1.16E+00	3.21E+00	5.37E-01	1.73E-01	5.08E+00	1.14E+00	1.39E-04	5.89E-03	5.07E-03	1.15E+00	1.39E+00	3.21E+00	5.37E-01	1.73E-01	5.31E+00
1378	493927.33	3860502.55	7.15355	4.12261	2.8311	2.32519	1.17E+00	3.20E+00	5.49E-01	1.71E-01	5.09E+00	1.15E+00	1.38E-04	6.02E-03	5.01E-03	1.16E+00	1.40E+00	3.20E+00	5.49E-01	1.71E-01	5.32E+00
1379	493977.33	3860502.55	7.18464	4.05701	2.9088	2.31559	1.18E+00	3.15E+00	5.64E-01	1.70E-01	5.06E+00	1.16E+00	1.36E-04	6.18E-03	4.98E-03	1.17E+00	1.41E+00	3.15E+00	5.64E-01	1.70E-01	5.29E+00
1380	494027.33	3860502.55	7.16502	4.00936	2.9766	2.30694	1.17E+00	3.11E+00	5.77E-01	1.70E-01	5.03E+00	1.15E+00	1.35E-04	6.33E-03	4.97E-03	1.17E+00	1.40E+00	3.11E+00	5.77E-01	1.70E-01	5.26E+00
1381	493627.33	3860552.55	6.92646	4.34777	2.5169	2.34184	1.13E+00	3.37E+00	4.88E-01	1.72E-01	5.17E+00	1.12E+00	1.46E-04	5.35E-03	5.04E-03	1.13E+00	1.36E+00	3.37E+00	4.88E-01	1.72E-01	5.39E+00
1382	493677.33	3860552.55	6.7271	4.26414	2.49	2.34828	1.10E+00	3.31E+00	4.83E-01	1.73E-01	5.06E+00	1.08E+00	1.43E-04	5.29E-03	5.06E-03	1.09E+00	1.32E+00	3.31E+00	4.83E-01	1.73E-01	5.28E+00
1383	493727.33	3860552.55	6.66585	4.22417	2.4804	2.34981	1.09E+00	3.28E+00	4.81E-01	1.73E-01	5.02E+00	1.07E+00	1.42E-04	5.27E-03	5.06E-03	1.08E+00	1.30E+00	3.28E+00	4.81E-01	1.73E-01	5.24E+00
1384	493777.33	3860552.55	6.7813	4.18492	2.546	2.34744	1.11E+00	3.25E+00	4.94E-01	1.73E-01	5.02E+00	1.09E+00	1.41E-04	5.41E-03	5.05E-03	1.10E+00	1.33E+00	3.25E+00	4.94E-01	1.73E-01	5.24E+00
1385	493827.33	3860552.55	6.8515	4.18646	2.6141	2.34383	1.12E+00	3.25E+00	5.07E-01	1.73E-01	5.05E+00	1.10E+00	1.41E-04	5.56E-03	5.05E-03	1.11E+00	1.34E+00	3.25E+00	5.07E-01	1.73E-01	5.27E+00
1386	493877.33	3860552.55	6.88449	4.14176	2.6403	2.34544	1.13E+00	3.21E+00	5.12E-01	1.73E-01	5.02E+00	1.11E+00	1.39E-04	5.61E-03	5.05E-03	1.12E+00	1.35E+00	3.21E+00	5.12E-01	1.73E-01	5.24E+00
1387	493927.33	3860552.55	6.92454	4.11005	2.6551	2.34444	1.13E+00	3.19E+00	5.15E-01	1.73E-01	5.01E+00	1.12E+00	1.38E-04	5.65E-03	5.05E-03	1.13E+00	1.35E+00	3.19E+00	5.15E-01	1.73E-01	5.23E+00
1388	493977.33	3860552.55	6.9862	4.09103	2.6963	2.3419	1.14E+00	3.17E+00	5.23E-01	1.72E-01	5.01E+00	1.13E+00	1.37E-04	5.73E-03	5.04E-03	1.14E+00	1.37E+00	3.17E+00	5.23E-01	1.72E-01	5.24E+00
1389	494027.33	3860552.55	7.0251	4.06237	2.7174	2.3382	1.15E+00	3.15E+00	5.27E-01	1.72E-01	5.00E+00	1.13E+00	1.36E-04	5.78E-03	5.03E-03	1.14E+00	1.37E+00	3.15E+00	5.27E-01	1.72E-01	5.23E+00
1390	493627.33	3860602.55	6.78084	4.35469	2.5426	2.32278	1.11E+00	3.38E+00	4.93E-01	1.71E-01	5.15E+00	1.09E+00	1.46E-04	5.41E-03	5.00E-03	1.10E+00	1.33E+00	3.38E+00	4.93E-01	1.71E-01	5.37E+00
1391	493727.33	3860602.55	6.7268	4.26247	2.4406	2.33871	1.10E+00	3.31E+00	4.73E-01	1.72E-01	5.05E+00	1.08E+00	1.43E-04	5.19E-03	5.03E-03	1.09E+00	1.32E+00	3.31E+00	4.73E-01	1.72E-01	5.27E+00
1392	493777.33	3860602.55	6.58581	4.2247	2.4179	2.33765	1.08E+00	3.28E+00	4.69E-01	1.72E-01	5.00E+00	1.06E+00	1.42E-04	5.14E-03	5.03E-03	1.07E+00	1.29E+00	3.28E+00	4.69E-01	1.72E-01	5.21E+00
1393	493827.33	3860602.55	6.54469	4.18328	2.4041	2.33861	1.07E+00	3.24E+00	4.66E-01	1.72E-01	4.95E+00	1.05E+00	1.41E-04	5.11E-03	5.03E-03	1.06E+00	1.28E+00	3.25E+00	4.66E-01	1.72E-01	5.16E+00
1394	493877.33	3860602.55	6.67314	4.14347	2.4519	2.33313	1.09E+00	3.21E+00	4.75E-01	1.72E-01	4.95E+00	1.08E+00	1.39E-04	5.21E-03	5.02E-03	1.09E+00	1.31E+00	3.21E+00	4.75E-01	1.72E-01	5.17E+00
1395	493927.33	3860602.55	6.73625	4.10371	2.5154	2.33352	1.10E+00	3.18E+00	4.88E-01	1.72E-01	4.94E+00	1.09E+00	1.38E-04	5.35E-03	5.02E-03	1.10E+00	1.32E+00	3.18E+00	4.88E-01	1.72E-01	5.16E+00
1396	493977.33	3860602.55	6.77652	4.11422	2.5593	2.33312	1.11E+00	3.19E+00	4.96E-01	1.72E-01	4.97E+00	1.09E+00	1.38E-04	5.44E-03	5.02E-03	1.10E+00	1.33E+00	3.19E+00	4.96E-01	1.72E-01	5.19E+00
1397	494027.33	3860602.55	6.80525	4.03255	2.564	2.34078	1.11E+00	3.13E+00	4.97E-01	1.72E-01	4.91E+00	1.10E+00	1.35E-04	5.45E-03	5.04E-03	1.11E+00	1.33E+00	3.13E+00	4.97E-01	1.72E-01	5.13E+00
1398	493627.33	3860652.55	6.57162	4.40838	2.4127	2.31146	1.07E+00	3.42E+00	4.68E-01	1.70E-01	5.13E+00	1.06E+00	1.48E-04	5.13E-03	4.98E-03	1.07E+00	1.29E+00	3.42E+00	4.68E-01	1.70E-01	5.34E+00
1399	493727.33	3860652.55	6.61069	4.31698	2.4635	2.30023	1.08E+00	3.35E+00	4.78E-01	1.69E-01	5.08E+00	1.07E+00	1.45E-04	5.24E-03	4.95E-03	1.08E+00	1.29E+00	3.35E+00	4.78E-01	1.69E-01	5.29E+00

1400	493777.33	3860652.55	6.62006	4.27546	2.4235	2.30929	1.08E+00	3.32E+00	4.70E-01	1.70E-01	5.04E+00	1.07E+00	1.44E-04	5.15E-03	4.97E-03	1.08E+00	1.30E+00	3.32E+00	4.70E-01	1.70E-01	5.25E+00
1401	493827.33	3860652.55	6.59326	4.22889	2.3783	2.31208	1.08E+00	3.28E+00	4.61E-01	1.70E-01	4.99E+00	1.06E+00	1.42E-04	5.06E-03	4.98E-03	1.07E+00	1.29E+00	3.28E+00	4.61E-01	1.70E-01	5.20E+00
1402	493877.33	3860652.55	6.47044	4.17937	2.3534	2.30827	1.06E+00	3.24E+00	4.56E-01	1.70E-01	4.93E+00	1.04E+00	1.40E-04	5.00E-03	4.97E-03	1.05E+00	1.27E+00	3.24E+00	4.56E-01	1.70E-01	5.13E+00
1403	493927.33	3860652.55	6.4753	4.13926	2.3394	2.30657	1.06E+00	3.21E+00	4.54E-01	1.70E-01	4.89E+00	1.04E+00	1.39E-04	4.97E-03	4.97E-03	1.05E+00	1.27E+00	3.21E+00	4.54E-01	1.70E-01	5.10E+00
1404	493977.33	3860652.55	6.54623	4.10244	2.3609	2.30679	1.07E+00	3.18E+00	4.58E-01	1.70E-01	4.88E+00	1.05E+00	1.38E-04	5.02E-03	4.97E-03	1.06E+00	1.28E+00	3.18E+00	4.58E-01	1.70E-01	5.09E+00
1405	494027.33	3860652.55	6.6292	4.06424	2.4231	2.3026	1.08E+00	3.15E+00	4.70E-01	1.70E-01	4.88E+00	1.07E+00	1.37E-04	5.15E-03	4.96E-03	1.08E+00	1.30E+00	3.15E+00	4.70E-01	1.70E-01	5.09E+00
1406	494311.06	3858401.99	1.72347	0.53991	10.402	1.70729	2.82E-01	4.19E-01	2.02E+00	1.26E-01	2.84E+00	2.78E-01	1.81E-05	2.21E-02	3.68E-03	3.04E-01	3.37E-01	4.19E-01	2.02E+00	1.26E-01	2.90E+00
1407	494361.06	3858401.99	1.66614	0.53665	10.206	1.7075	2.73E-01	4.16E-01	1.98E+00	1.26E-01	2.79E+00	2.68E-01	1.80E-05	2.17E-02	3.68E-03	2.94E-01	3.26E-01	4.16E-01	1.98E+00	1.26E-01	2.85E+00
1408	494411.06	3858401.99	1.62855	0.53351	10.043	1.70138	2.66E-01	4.14E-01	1.95E+00	1.25E-01	2.75E+00	2.62E-01	1.79E-05	2.14E-02	3.66E-03	2.87E-01	3.19E-01	4.14E-01	1.95E+00	1.25E-01	2.81E+00
1409	494461.06	3858401.99	1.61668	0.53154	9.9187	1.69498	2.64E-01	4.12E-01	1.92E+00	1.25E-01	2.72E+00	2.60E-01	1.79E-05	2.11E-02	3.65E-03	2.85E-01	3.16E-01	4.12E-01	1.92E+00	1.25E-01	2.78E+00
1410	494511.06	3858401.99	1.57348	0.52865	9.7452	1.67717	2.57E-01	4.10E-01	1.89E+00	1.23E-01	2.68E+00	2.54E-01	1.78E-05	2.07E-02	3.61E-03	2.78E-01	3.08E-01	4.10E-01	1.89E+00	1.23E-01	2.73E+00
1411	494561.06	3858401.99	1.55654	0.5269	9.6217	1.67807	2.55E-01	4.09E-01	1.87E+00	1.24E-01	2.65E+00	2.51E-01	1.77E-05	2.05E-02	3.61E-03	2.75E-01	3.05E-01	4.09E-01	1.87E+00	1.24E-01	2.70E+00
1412	494611.06	3858401.99	1.51598	0.52514	9.4626	1.67227	2.48E-01	4.07E-01	1.83E+00	1.23E-01	2.61E+00	2.44E-01	1.76E-05	2.01E-02	3.60E-03	2.68E-01	2.97E-01	4.07E-01	1.83E+00	1.23E-01	2.66E+00
1413	494661.06	3858401.99	1.48918	0.52273	9.3381	1.66472	2.44E-01	4.05E-01	1.81E+00	1.23E-01	2.58E+00	2.40E-01	1.76E-05	1.99E-02	3.58E-03	2.63E-01	2.91E-01	4.06E-01	1.81E+00	1.23E-01	2.63E+00
1414	494711.06	3858401.99	1.44811	0.51031	9.2186	1.64006	2.37E-01	3.96E-01	1.79E+00	1.21E-01	2.54E+00	2.33E-01	1.71E-05	1.96E-02	3.53E-03	2.56E-01	2.83E-01	3.96E-01	1.79E+00	1.21E-01	2.59E+00
1415	494761.06	3858401.99	1.42888	0.50794	9.1317	1.62399	2.34E-01	3.94E-01	1.77E+00	1.20E-01	2.52E+00	2.30E-01	1.71E-05	1.94E-02	3.50E-03	2.53E-01	2.80E-01	3.94E-01	1.77E+00	1.20E-01	2.56E+00
1416	494811.06	3858401.99	1.39454	0.50693	9.0285	1.6023	2.28E-01	3.93E-01	1.75E+00	1.18E-01	2.49E+00	2.25E-01	1.70E-05	1.92E-02	3.45E-03	2.47E-01	2.73E-01	3.93E-01	1.75E+00	1.18E-01	2.53E+00
1417	494861.06	3858401.99	1.37012	0.50142	8.9396	1.58571	2.24E-01	3.89E-01	1.73E+00	1.17E-01	2.46E+00	2.21E-01	1.68E-05	1.90E-02	3.41E-03	2.43E-01	2.68E-01	3.89E-01	1.73E+00	1.17E-01	2.51E+00
1418	494911.06	3858401.99	1.34693	0.50393	8.8522	1.58126	2.20E-01	3.91E-01	1.72E+00	1.16E-01	2.44E+00	2.17E-01	1.69E-05	1.88E-02	3.40E-03	2.39E-01	2.64E-01	3.91E-01	1.72E+00	1.16E-01	2.49E+00
1419	494961.06	3858401.99	1.31953	0.49338	8.7454	1.57625	2.16E-01	3.83E-01	1.70E+00	1.16E-01	2.41E+00	2.13E-01	1.66E-05	1.86E-02	3.39E-03	2.35E-01	2.58E-01	3.83E-01	1.70E+00	1.16E-01	2.45E+00
1420	495011.06	3858401.99	1.281	0.4903	8.5778	1.56988	2.10E-01	3.80E-01	1.66E+00	1.16E-01	2.37E+00	2.06E-01	1.65E-05	1.82E-02	3.38E-03	2.28E-01	2.51E-01	3.80E-01	1.66E+00	1.16E-01	2.41E+00
1421	495061.06	3858401.99	1.2543	0.48837	8.4521	1.56259	2.05E-01	3.79E-01	1.64E+00	1.15E-01	2.34E+00	2.02E-01	1.64E-05	1.80E-02	3.36E-03	2.23E-01	2.45E-01	3.79E-01	1.64E+00	1.15E-01	2.38E+00
1422	495111.06	3858401.99	1.20044	0.47315	8.2668	1.55486	1.96E-01	3.67E-01	1.60E+00	1.14E-01	2.28E+00	1.93E-01	1.59E-05	1.76E-02	3.35E-03	2.14E-01	2.35E-01	3.67E-01	1.60E+00	1.14E-01	2.32E+00
1423	495161.06	3858401.99	1.19715	0.47204	8.2082	1.55132	1.96E-01	3.66E-01	1.59E+00	1.14E-01	2.27E+00	1.93E-01	1.59E-05	1.75E-02	3.34E-03	2.14E-01	2.34E-01	3.66E-01	1.59E+00	1.14E-01	2.31E+00
1424	495211.06	3858401.99	1.15281	0.46828	8.0683	1.54264	1.89E-01	3.63E-01	1.56E+00	1.14E-01	2.23E+00	1.86E-01	1.57E-05	1.72E-02	3.32E-03	2.06E-01	2.26E-01	3.63E-01	1.56E+00	1.14E-01	2.27E+00
1425	495261.06	3858401.99	1.13308	0.46697	7.9755	1.53835	1.85E-01	3.62E-01	1.55E+00	1.13E-01	2.21E+00	1.83E-01	1.57E-05	1.70E-02	3.31E-03	2.03E-01	2.22E-01	3.62E-01	1.55E+00	1.13E-01	2.24E+00
1426	495311.06	3858401.99	1.10989	0.46448	7.8803	1.52995	1.82E-01	3.60E-01	1.53E+00	1.13E-01	2.18E+00	1.79E-01	1.56E-05	1.68E-02	3.29E-03	1.99E-01	2.17E-01	3.60E-01	1.53E+00	1.13E-01	2.22E+00
1427	495361.06	3858401.99	1.09526	0.46201	7.8022	1.52427	1.79E-01	3.58E-01	1.51E+00	1.12E-01	2.16E+00	1.76E-01	1.55E-05	1.66E-02	3.28E-03	1.96E-01	2.14E-01	3.58E-01	1.51E+00	1.12E-01	2.20E+00
1428	495411.06	3858401.99	1.08985	0.45991	7.7561	1.51754	1.78E-01	3.57E-01	1.50E+00	1.12E-01	2.15E+00	1.76E-01	1.54E-05	1.65E-02	3.27E-03	1.95E-01	2.13E-01	3.57E-01	1.50E+00	1.12E-01	2.19E+00
1429	495461.06	3858401.99	1.0874	0.45859	7.7211	1.51814	1.78E-01	3.56E-01	1.50E+00	1.12E-01	2.14E+00	1.75E-01	1.54E-05	1.64E-02	3.27E-03	1.95E-01	2.13E-01	3.56E-01	1.50E+00	1.12E-01	2.18E+00
1430	495511.06	3858401.99	1.0827	0.45732	7.6867	1.51802	1.77E-01	3.55E-01	1.49E+00	1.12E-01	2.13E+00	1.74E-01	1.54E-05	1.63E-02	3.27E-03	1.94E-01	2.12E-01	3.55E-01	1.49E+00	1.12E-01	2.17E+00
1431	495561.06	3858401.99	1.06551	0.45489	7.6605	1.52496	1.74E-01	3.53E-01	1.49E+00	1.12E-01	2.12E+00	1.72E-01	1.53E-05	1.63E-02	3.28E-03	1.91E-01	2.08E-01	3.53E-01	1.49E+00	1.12E-01	2.16E+00
1432	495611.06	3858401.99	1.0641	0.45374	7.6369	1.52554	1.74E-01	3.52E-01	1.48E+00	1.12E-01	2.12E+00	1.71E-01	1.52E-05	1.62E-02	3.28E-03	1.91E-01	2.08E-01	3.52E-01	1.48E+00	1.12E-01	2.15E+00
1433	495661.06	3858401.99	1.07265	0.45391	7.6276	1.51788	1.75E-01	3.52E-01	1.48E+00	1.12E-01	2.12E+00	1.73E-01	1.52E-05	1.62E-02	3.27E-03	1.92E-01	2.10E-01	3.52E-01	1.48E+00	1.12E-01	2.15E+00
1434	494311.06	3858451.99	1.91035	0.54128	10.642	1.73416	3.12E-01	4.20E-01	2.06E+00	1.28E-01	2.92E+00	3.08E-01	1.82E-05	2.26E-02	3.73E-03	3.34E-01	3.74E-01	4.20E-01	2.06E+00	1.28E-01	2.98E+00
1435	494361.06	3858451.99	1.84975	0.53805	10.536	1.7273	3.03E-01	4.17E-01	2.04E+00	1.27E-01	2.89E+00	2.98E-01	1.81E-05	2.24E-02	3.72E-03	3.24E-01	3.62E-01	4.17E-01	2.04E+00	1.27E-01	2.95E+00
1436	494411.06	3858451.99	1.79937	0.5349	10.438	1.72123	2.94E-01	4.15E-01	2.02E+00	1.27E-01	2.86E+00	2.90E-01	1.80E-05	2.22E-02	3.71E-03	3.16E-01	3.52E-01	4.15E-01	2.02E+00	1.27E-01	2.92E+00
1437	494461.06	3858451.99	1.76543	0.53233	10.346	1.71775	2.89E-01	4.13E-01	2.01E+00	1.26E-01	2.83E+00	2.84E-01	1.79E-05	2.20E-02	3.70E-03	3.10E-01	3.45E-01	4.13E-01	2.01E+00	1.26E-01	2.89E+00
1438	494511.06	3858451.99	1.75455	0.53008	10.267	1.71906	2.87E-01	4.11E-01	1.99E+00	1.27E-01	2.82E+00	2.83E-01	1.78E-05	2.18E-02	3.70E-03	3.08E-01	3.43E-01	4.11E-01	1.99E+00	1.27E-01	2.87E+00
1439	494561.06	3858451.99	1.70939	0.52472	10.137	1.71273	2.80E-01	4.07E-01	1.97E+00	1.26E-01	2.78E+00	2.75E-01	1.76E-05	2.16E-02	3.69E-03	3.01E-01	3.34E-01	4.07E-01	1.97E+00	1.26E-01	2.83E+00
1440	494611.06	3858451.99	1.67764	0.52261	10.004	1.7056	2.74E-01	4.05E-01	1.94E+00	1.26E-01	2.75E+00	2.70E-01	1.76E-05	2.13E-02	3.67E-03	2.95E-01	3.28E-01	4.05E-01	1.94E+00	1.26E-01	2.80E+00
1441	494661.06	3858451.99	1.64801	0.52096	9.9158	1.69458	2.70E-01	4.04E-01	1.92E+00	1.25E-01	2.72E+00	2.66E-01	1.75E-05	2.11E-02	3.65E-03	2.90E-01	3.22E-01	4.04E-01	1.92E+00	1.25E-01	2.77E+00
1442	494711.06	3858451.99	1.59777	0.51884	9.7912	1.68597	2.61E-01	4.02E-01	1.90E+00	1.24E-01	2.69E+00	2.57E-01	1.74E-05	2.08E-02	3.63E-03	2.82E-01	3.13E-01	4.02E-01	1.90E+00	1.24E-01	2.74E+00
1443	494761.06	3858451.99	1.53992	0.51775	9.6712	1.67867	2.52E-01	4.02E-01	1.88E+00	1.24E-01	2.65E+00	2.48E-01	1.74E-05	2.06E-02	3.61E-03	2.72E-01	3.01E-01	4.02E-01	1.88E+00	1.24E-01	2.70E+00
1444	494811.06	3858451.99	1.50613	0.51485	9.5545	1.66304	2.46E-01	3.99E-01	1.85E+00	1.22E-01	2.62E+00	2.43E-01	1.73E-05	2.03E-02	3.58E-03	2.67E-01	2.95E-01	3.99E-01	1.85E+00	1.22E-01	2.67E+00
1445	494861.06	3858451.99	1.47058	0.51335	9.3916	1.64102	2.41E-01	3.98E-01	1.82E+00	1.21E-01	2.58E+00	2.37E-01	1.72E-05	2.00E-02	3.53E-03	2.60E-01	2.88E-01	3.98E-01	1.82E+00	1.21E-01	2.63E+00
1446	494911.06	3858451.99	1.42767	0.50387	9.2973	1.62695	2.34E-01	3.91E-01	1.80E+00	1.20E-01	2.55E+00	2.30E-01	1.69E-05	1.98E-02	3.50E-03	2.53E-01	2.79E-01	3.91E-01	1.80E+00	1.20E-01	2.59E+00
1447	494961.06	3858451.99	1.39058	0.49912	9.1332	1.59432	2.27E-01	3.87E-01	1.77E+00	1.17E-01	2.50E+00	2.24E-01	1.68E-05	1.94E-02	3.43E-03	2.47E-01	2.72E-01	3.87E-01	1.77E+00	1.17E-01	2.55E+00
1448	495011.06	3858451.99	1.35032	0.49602	9.0111	1.58226	2.21E-01	3.85E-01	1.75E+00	1.16E-01	2.47E+00	2.18E-01	1.67E-05	1.92E-02	3.41E-03	2.40E-01	2.64E-01	3.85E-01	1.75E+00	1.16E-01	2.51E+00
1449	495061.06	3858451.99	1.33714	0.49375	8.9243	1.58177	2.19E-01	3.83E-01	1.73E+00	1.16E-01	2.45E+00	2.15E-01	1.66E-05	1.90E-02	3.41E-03	2.38E-01	2.62E-01	3.83E-01	1.73E+00	1.16E-01	2.49E+00
1450	495111.06	3858451.99	1.29941	0.49104	8.8046	1.5817	2.13E-01	3.81E-01	1.71E+00	1.16E-01	2.42E+00	2.09E-01	1.65E-05	1.87E-02	3.41E-03	2.32E-01	2.54E-01	3.81E-01	1.71E+00	1.16E-01	2.46E+00
1451	495161.06	3858451.99	1.25301	0.48818	8.6601	1.57873	2.05E-01	3.79E-01	1.68E+00	1.16E-01	2.38E+00	2.02E-01	1.64E-05	1.84E-02	3.40E-03	2.24E-01	2.45E-01	3.79E-01	1.68E+00	1.16E-01	2.42E+00
1452	495211.06	3858451.99	1.21555	0.47161	8.517	1.57452	1.99E-01	3.66E-01	1.65E+00	1.16E-01	2.33E+00	1.96E-01	1.58E-05	1.81E-02	3.39E-03	2.17E-01	2.38E-01	3.66E-01	1.65E+00	1.16E-01	2.37E+00
1453	495261.06	3858451.99	1.19304	0.46894	8.4215	1.57008	1.95E-01	3.64E-01	1.63E+00	1.16E-01	2.31E+00	1.92E-01	1.58E-05	1.79E-02	3.38E-03	2.14E-01	2.33E-01	3.64E-01	1.63E+00	1.16E-01	2.35E+00
1454	495311.06	3858451.99	1.17546	0.46634	8.3418	1.56723	1.92E-01	3.62E-01	1.62E+00	1.15E-01	2.29E+00	1.89E-01	1.57E-05	1.77E-02	3.37E-03	2.11E-01	2.30E-01	3.62E-01	1.62E+00	1.15E-01	2.32E+00
1455	495361.06	3858451.99	1.16316	0.46476	8.2717	1.56464	1.90E-01	3.61E-01	1.60E+00	1.15E-01	2.27E+00	1.87E-01	1.56E-05	1.76E-02	3.37E-03	2.08E-01	2.28E-01	3.61E-01	1.60E+00	1.15E-01	2.31E+00
1456	495411.06	3858451.99	1.16101	0.46347	8.2116	1.56434	1.90E-01	3.60E-01	1.59E+00	1.15E-01	2.26E+00	1.87E-01	1.56E-05	1.75E-02	3.37E-03	2.08E-01	2.27E-01	3.60E-01	1.59E+00	1.15E-01	2.29E+00
1457	495461.06	3858451.99	1.1609	0.46184	8.1562	1.56148	1.90E-01	3.58E-01	1.58E+00	1.15E-01	2.24E+00	1.87E-01	1.55E-05	1.73E-02	3.36E-03	2.08E-01	2.27E-01	3.58E-01	1.58E+00	1.15E-01	2.28E+00
1458	495511.06	3858451.99	1.14357	0.45969	8.0738	1.55705	1.87E-01	3.57E-01	1.57E+00	1.15E-01	2.22E+00	1.84E-01	1.54E-05	1.72E-02	3.35E-03	2.05E-01	2.24E-01	3.57E-01	1.57E+00	1.15E-01	2.26E+00
1459	495561.06	3858451.99	1.15294	0.45874	8.0396	1.55457	1.89E-01	3.56E-01	1.56E+00	1.14E-01	2.22E+00	1.86E-01	1.54E-05	1.71E-02	3.35E-03	2.06E-01	2.26E-01	3.56E-01	1.56E+00	1.14E-01	2.25E+00
1460	495611.06	3858451.99	1.13014	0.45645	7.9422	1.54934	1.85E-01	3.54E-01	1.54E+00	1.14E-01	2.19E+00	1.82E-01	1.53E-05	1.69E-02	3.34E-03	2.02E-01	2.21E-01	3.54E-01	1.54E+00	1.14E-01	2.23E+00

1461	495661.06	3858451.99	1.12963	0.45546	7.8914	1.54597	1.85E-01	3.53E-01	1.53E+00	1.14E-01	2.18E+00	1.82E-01	1.53E-05	1.68E-02	3.33E-03	2.02E-01	2.21E-01	3.53E-01	1.53E+00	1.14E-01	2.22E+00
1462	494311.06	3858501.99	2.02994	0.56172	10.738	1.73771	3.32E-01	4.36E-01	2.08E+00	1.28E-01	2.98E+00	3.27E-01	1.89E-05	2.28E-02	3.74E-03	3.54E-01	3.97E-01	4.36E-01	2.08E+00	1.28E-01	3.04E+00
1463	494361.06	3858501.99	1.99669	0.56001	10.613	1.73612	3.27E-01	4.34E-01	2.06E+00	1.28E-01	2.95E+00	3.22E-01	1.88E-05	2.26E-02	3.74E-03	3.48E-01	3.91E-01	4.34E-01	2.06E+00	1.28E-01	3.01E+00
1464	494411.06	3858501.99	1.95914	0.54544	10.435	1.73366	3.20E-01	4.23E-01	2.02E+00	1.28E-01	2.89E+00	3.16E-01	1.83E-05	2.22E-02	3.73E-03	3.42E-01	3.83E-01	4.23E-01	2.02E+00	1.28E-01	2.96E+00
1465	494461.06	3858501.99	1.93779	0.54383	10.304	1.72908	3.17E-01	4.22E-01	2.00E+00	1.27E-01	2.86E+00	3.12E-01	1.83E-05	2.19E-02	3.72E-03	3.38E-01	3.79E-01	4.22E-01	2.00E+00	1.27E-01	2.93E+00
1466	494511.06	3858501.99	1.87043	0.54056	10.175	1.72279	3.06E-01	4.19E-01	1.97E+00	1.27E-01	2.83E+00	3.01E-01	1.82E-05	2.16E-02	3.71E-03	3.27E-01	3.66E-01	4.19E-01	1.97E+00	1.27E-01	2.89E+00
1467	494561.06	3858501.99	1.8983	0.54034	10.178	1.71944	3.10E-01	4.19E-01	1.97E+00	1.27E-01	2.83E+00	3.06E-01	1.82E-05	2.16E-02	3.70E-03	3.31E-01	3.71E-01	4.19E-01	1.97E+00	1.27E-01	2.89E+00
1468	494611.06	3858501.99	1.84422	0.53763	10.027	1.71353	3.02E-01	4.17E-01	1.94E+00	1.26E-01	2.79E+00	2.97E-01	1.81E-05	2.13E-02	3.69E-03	3.22E-01	3.61E-01	4.17E-01	1.94E+00	1.26E-01	2.85E+00
1469	494661.06	3858501.99	1.8167	0.53564	9.9605	1.70674	2.97E-01	4.15E-01	1.93E+00	1.26E-01	2.77E+00	2.93E-01	1.80E-05	2.12E-02	3.67E-03	3.18E-01	3.55E-01	4.16E-01	1.93E+00	1.26E-01	2.83E+00
1470	494711.06	3858501.99	1.75258	0.53238	9.881	1.70357	2.87E-01	4.13E-01	1.92E+00	1.25E-01	2.74E+00	2.82E-01	1.79E-05	2.10E-02	3.67E-03	3.07E-01	3.43E-01	4.13E-01	1.92E+00	1.25E-01	2.80E+00
1471	494761.06	3858501.99	1.69132	0.52091	9.7899	1.7	2.77E-01	4.04E-01	1.90E+00	1.25E-01	2.70E+00	2.73E-01	1.75E-05	2.08E-02	3.66E-03	2.97E-01	3.31E-01	4.04E-01	1.90E+00	1.25E-01	2.76E+00
1472	494811.06	3858501.99	1.64061	0.51675	9.5399	1.69159	2.68E-01	4.01E-01	1.85E+00	1.25E-01	2.64E+00	2.64E-01	1.74E-05	2.03E-02	3.64E-03	2.88E-01	3.21E-01	4.01E-01	1.85E+00	1.25E-01	2.70E+00
1473	494861.06	3858501.99	1.60268	0.51462	9.4742	1.68499	2.62E-01	3.99E-01	1.84E+00	1.24E-01	2.62E+00	2.58E-01	1.73E-05	2.01E-02	3.63E-03	2.82E-01	3.14E-01	3.99E-01	1.84E+00	1.24E-01	2.67E+00
1474	494911.06	3858501.99	1.51894	0.51227	9.3114	1.67413	2.48E-01	3.97E-01	1.81E+00	1.23E-01	2.57E+00	2.45E-01	1.72E-05	1.98E-02	3.60E-03	2.68E-01	2.97E-01	3.97E-01	1.81E+00	1.23E-01	2.62E+00
1475	494961.06	3858501.99	1.48552	0.5114	9.245	1.66134	2.43E-01	3.97E-01	1.79E+00	1.22E-01	2.55E+00	2.39E-01	1.72E-05	1.97E-02	3.58E-03	2.63E-01	2.91E-01	3.97E-01	1.79E+00	1.22E-01	2.60E+00
1476	495011.06	3858501.99	1.4372	0.50011	9.1281	1.64022	2.35E-01	3.88E-01	1.77E+00	1.21E-01	2.51E+00	2.32E-01	1.68E-05	1.94E-02	3.53E-03	2.55E-01	2.81E-01	3.88E-01	1.77E+00	1.21E-01	2.56E+00
1477	495061.06	3858501.99	1.42085	0.4974	9.0816	1.63064	2.32E-01	3.86E-01	1.76E+00	1.20E-01	2.50E+00	2.29E-01	1.67E-05	1.93E-02	3.51E-03	2.52E-01	2.78E-01	3.86E-01	1.76E+00	1.20E-01	2.54E+00
1478	495111.06	3858501.99	1.35576	0.48932	8.8684	1.60194	2.22E-01	3.80E-01	1.72E+00	1.18E-01	2.44E+00	2.18E-01	1.64E-05	1.89E-02	3.45E-03	2.41E-01	2.65E-01	3.80E-01	1.72E+00	1.18E-01	2.48E+00
1479	495161.06	3858501.99	1.32189	0.48715	8.7094	1.59999	2.16E-01	3.78E-01	1.69E+00	1.18E-01	2.40E+00	2.13E-01	1.64E-05	1.85E-02	3.44E-03	2.35E-01	2.59E-01	3.78E-01	1.69E+00	1.18E-01	2.44E+00
1480	495211.06	3858501.99	1.28633	0.48487	8.5265	1.59459	2.10E-01	3.76E-01	1.65E+00	1.17E-01	2.36E+00	2.07E-01	1.63E-05	1.81E-02	3.43E-03	2.29E-01	2.52E-01	3.76E-01	1.65E+00	1.17E-01	2.40E+00
1481	495261.06	3858501.99	1.26345	0.48393	8.3947	1.58948	2.07E-01	3.75E-01	1.63E+00	1.17E-01	2.33E+00	2.04E-01	1.63E-05	1.78E-02	3.42E-03	2.25E-01	2.47E-01	3.75E-01	1.63E+00	1.17E-01	2.37E+00
1482	495311.06	3858501.99	1.25191	0.48355	8.3221	1.58701	2.05E-01	3.75E-01	1.61E+00	1.17E-01	2.31E+00	2.02E-01	1.62E-05	1.77E-02	3.42E-03	2.23E-01	2.45E-01	3.75E-01	1.61E+00	1.17E-01	2.35E+00
1483	495361.06	3858501.99	1.24029	0.48169	8.2666	1.5845	2.03E-01	3.74E-01	1.60E+00	1.17E-01	2.30E+00	2.00E-01	1.62E-05	1.76E-02	3.41E-03	2.21E-01	2.43E-01	3.74E-01	1.60E+00	1.17E-01	2.34E+00
1484	495411.06	3858501.99	1.23664	0.46554	8.2378	1.58112	2.02E-01	3.61E-01	1.60E+00	1.16E-01	2.28E+00	1.99E-01	1.56E-05	1.75E-02	3.40E-03	2.20E-01	2.42E-01	3.61E-01	1.60E+00	1.16E-01	2.32E+00
1485	495461.06	3858501.99	1.23451	0.46387	8.1775	1.57434	2.02E-01	3.60E-01	1.59E+00	1.16E-01	2.26E+00	1.99E-01	1.56E-05	1.74E-02	3.39E-03	2.20E-01	2.42E-01	3.60E-01	1.59E+00	1.16E-01	2.30E+00
1486	495511.06	3858501.99	1.22648	0.46199	8.1001	1.56787	2.01E-01	3.58E-01	1.57E+00	1.15E-01	2.25E+00	1.98E-01	1.55E-05	1.72E-02	3.38E-03	2.18E-01	2.40E-01	3.58E-01	1.57E+00	1.15E-01	2.28E+00
1487	495561.06	3858501.99	1.23654	0.47367	8.0609	1.56267	2.02E-01	3.67E-01	1.56E+00	1.15E-01	2.25E+00	1.99E-01	1.59E-05	1.71E-02	3.36E-03	2.20E-01	2.42E-01	3.67E-01	1.56E+00	1.15E-01	2.29E+00
1488	495611.06	3858501.99	1.22084	0.47144	8.0205	1.55722	2.00E-01	3.66E-01	1.56E+00	1.15E-01	2.24E+00	1.97E-01	1.58E-05	1.71E-02	3.35E-03	2.17E-01	2.39E-01	3.66E-01	1.56E+00	1.15E-01	2.27E+00
1489	495661.06	3858501.99	1.21818	0.45821	7.9554	1.54923	1.99E-01	3.55E-01	1.54E+00	1.14E-01	2.21E+00	1.96E-01	1.54E-05	1.69E-02	3.34E-03	2.17E-01	2.38E-01	3.55E-01	1.54E+00	1.14E-01	2.25E+00
1490	494311.06	3858551.99	2.05711	0.56019	11.055	1.73644	3.36E-01	4.35E-01	2.14E+00	1.28E-01	3.04E+00	3.31E-01	1.88E-05	2.35E-02	3.74E-03	3.59E-01	4.03E-01	4.35E-01	2.14E+00	1.28E-01	3.11E+00
1491	494361.06	3858551.99	2.11149	0.56074	11.003	1.74711	3.45E-01	4.35E-01	2.13E+00	1.29E-01	3.04E+00	3.40E-01	1.88E-05	2.34E-02	3.76E-03	3.67E-01	4.13E-01	4.35E-01	2.13E+00	1.29E-01	3.11E+00
1492	494411.06	3858551.99	2.16109	0.56288	10.931	1.74697	3.53E-01	4.37E-01	2.12E+00	1.29E-01	3.04E+00	3.48E-01	1.89E-05	2.32E-02	3.76E-03	3.75E-01	4.23E-01	4.37E-01	2.12E+00	1.29E-01	3.11E+00
1493	494461.06	3858551.99	2.15473	0.56203	10.86	1.75129	3.52E-01	4.36E-01	2.11E+00	1.29E-01	3.02E+00	3.47E-01	1.89E-05	2.31E-02	3.77E-03	3.74E-01	4.22E-01	4.36E-01	2.11E+00	1.29E-01	3.09E+00
1494	494511.06	3858551.99	2.12126	0.56007	10.779	1.75478	3.47E-01	4.34E-01	2.09E+00	1.29E-01	3.00E+00	3.42E-01	1.88E-05	2.29E-02	3.78E-03	3.69E-01	4.15E-01	4.34E-01	2.09E+00	1.29E-01	3.07E+00
1495	494561.06	3858551.99	2.10402	0.55862	10.701	1.75546	3.44E-01	4.33E-01	2.08E+00	1.29E-01	2.98E+00	3.39E-01	1.88E-05	2.28E-02	3.78E-03	3.66E-01	4.12E-01	4.33E-01	2.08E+00	1.29E-01	3.05E+00
1496	494611.06	3858551.99	2.06248	0.55622	10.616	1.75273	3.37E-01	4.31E-01	2.06E+00	1.29E-01	2.96E+00	3.32E-01	1.87E-05	2.26E-02	3.77E-03	3.59E-01	4.04E-01	4.31E-01	2.06E+00	1.29E-01	3.02E+00
1497	494661.06	3858551.99	2.02201	0.55277	10.523	1.74956	3.31E-01	4.29E-01	2.04E+00	1.29E-01	2.93E+00	3.26E-01	1.86E-05	2.24E-02	3.77E-03	3.52E-01	3.96E-01	4.29E-01	2.04E+00	1.29E-01	2.99E+00
1498	494711.06	3858551.99	1.95184	0.54076	10.376	1.73776	3.19E-01	4.19E-01	2.01E+00	1.28E-01	2.88E+00	3.15E-01	1.82E-05	2.21E-02	3.74E-03	3.40E-01	3.82E-01	4.19E-01	2.01E+00	1.28E-01	2.94E+00
1499	494761.06	3858551.99	1.87823	0.5368	9.9894	1.73127	3.07E-01	4.16E-01	1.94E+00	1.27E-01	2.79E+00	3.03E-01	1.80E-05	2.12E-02	3.73E-03	3.28E-01	3.68E-01	4.16E-01	1.94E+00	1.27E-01	2.85E+00
1500	494811.06	3858551.99	1.82276	0.5341	9.7814	1.72772	2.98E-01	4.14E-01	1.90E+00	1.27E-01	2.74E+00	2.94E-01	1.79E-05	2.08E-02	3.72E-03	3.18E-01	3.57E-01	4.14E-01	1.90E+00	1.27E-01	2.79E+00
1501	494861.06	3858551.99	1.74741	0.53107	9.5793	1.71883	2.86E-01	4.12E-01	1.86E+00	1.27E-01	2.68E+00	2.82E-01	1.78E-05	2.04E-02	3.70E-03	3.06E-01	3.42E-01	4.12E-01	1.86E+00	1.27E-01	2.74E+00
1502	494911.06	3858551.99	1.67352	0.52173	9.2735	1.70533	2.74E-01	4.05E-01	1.80E+00	1.26E-01	2.60E+00	2.70E-01	1.75E-05	1.97E-02	3.67E-03	2.93E-01	3.27E-01	4.05E-01	1.80E+00	1.26E-01	2.66E+00
1503	494961.06	3858551.99	1.62472	0.51528	8.905	1.69783	2.66E-01	4.00E-01	1.73E+00	1.25E-01	2.52E+00	2.62E-01	1.73E-05	1.89E-02	3.66E-03	2.84E-01	3.18E-01	4.00E-01	1.73E+00	1.25E-01	2.57E+00
1504	495011.06	3858551.99	1.55261	0.51066	8.7286	1.66793	2.54E-01	3.96E-01	1.69E+00	1.23E-01	2.47E+00	2.50E-01	1.72E-05	1.86E-02	3.59E-03	2.72E-01	3.04E-01	3.96E-01	1.69E+00	1.23E-01	2.52E+00
1505	495061.06	3858551.99	1.50676	0.50727	8.6248	1.65233	2.46E-01	3.93E-01	1.67E+00	1.22E-01	2.43E+00	2.43E-01	1.70E-05	1.83E-02	3.56E-03	2.65E-01	2.95E-01	3.94E-01	1.67E+00	1.22E-01	2.48E+00
1506	495111.06	3858551.99	1.43581	0.48953	8.3941	1.62461	2.35E-01	3.80E-01	1.63E+00	1.20E-01	2.36E+00	2.31E-01	1.64E-05	1.78E-02	3.50E-03	2.53E-01	2.81E-01	3.80E-01	1.63E+00	1.20E-01	2.41E+00
1507	495161.06	3858551.99	1.39681	0.48502	8.2623	1.61754	2.28E-01	3.76E-01	1.60E+00	1.19E-01	2.33E+00	2.25E-01	1.63E-05	1.76E-02	3.48E-03	2.46E-01	2.73E-01	3.76E-01	1.60E+00	1.19E-01	2.37E+00
1508	495211.06	3858551.99	1.36387	0.47813	8.1905	1.61151	2.23E-01	3.71E-01	1.59E+00	1.19E-01	2.30E+00	2.20E-01	1.61E-05	1.74E-02	3.47E-03	2.41E-01	2.67E-01	3.71E-01	1.59E+00	1.19E-01	2.34E+00
1509	495261.06	3858551.99	1.34141	0.47757	8.1562	1.59648	2.19E-01	3.70E-01	1.58E+00	1.18E-01	2.29E+00	2.16E-01	1.60E-05	1.73E-02	3.44E-03	2.37E-01	2.62E-01	3.70E-01	1.58E+00	1.18E-01	2.33E+00
1510	495311.06	3858551.99	1.33314	0.47764	8.1352	1.59035	2.18E-01	3.71E-01	1.58E+00	1.17E-01	2.28E+00	2.15E-01	1.60E-05	1.73E-02	3.42E-03	2.36E-01	2.61E-01	3.71E-01	1.58E+00	1.17E-01	2.33E+00
1511	495361.06	3858551.99	1.32387	0.47751	8.1158	1.58553	2.17E-01	3.70E-01	1.57E+00	1.17E-01	2.28E+00	2.13E-01	1.60E-05	1.73E-02	3.41E-03	2.34E-01	2.59E-01	3.70E-01	1.57E+00	1.17E-01	2.32E+00
1512	495411.06	3858551.99	1.3228	0.47653	8.1311	1.58226	2.16E-01	3.70E-01	1.58E+00	1.16E-01	2.28E+00	2.13E-01	1.60E-05	1.73E-02	3.41E-03	2.34E-01	2.59E-01	3.70E-01	1.58E+00	1.16E-01	2.32E+00
1513	495461.06	3858551.99	1.3154	0.47532	8.1225	1.57918	2.15E-01	3.69E-01	1.58E+00	1.16E-01	2.28E+00	2.12E-01	1.60E-05	1.73E-02	3.40E-03	2.33E-01	2.57E-01	3.69E-01	1.58E+00	1.16E-01	2.32E+00
1514	495511.06	3858551.99	1.31708	0.47428	8.1407	1.57965	2.15E-01	3.68E-01	1.58E+00	1.16E-01	2.28E+00	2.12E-01	1.59E-05	1.73E-02	3.40E-03	2.33E-01	2.58E-01	3.68E-01	1.58E+00	1.16E-01	2.32E+00
1515	495561.06	3858551.99	1.30871	0.47298	8.1301	1.57819	2.14E-01	3.67E-01	1.58E+00	1.16E-01	2.27E+00	2.11E-01	1.59E-05	1.73E-02	3.40E-03	2.32E-01	2.56E-01	3.67E-01	1.58E+00	1.16E-01	2.32E+00
1516	495611.06	3858551.99	1.29839	0.47151	8.0957	1.57509	2.12E-01	3.66E-01	1.57E+00	1.16E-01	2.26E+00	2.09E-01	1.58E-05	1.72E-02	3.39E-03	2.30E-01	2.54E-01	3.66E-01	1.57E+00	1.16E-01	2.31E+00
1517	495661.06	3858551.99	1.28817	0.46913	8.0614	1.57104	2.11E-01	3.64E-01	1.56E+00	1.16E-01	2.25E+00	2.08E-01	1.58E-05	1.71E-02	3.38E-03	2.28E-01	2.52E-01	3.64E-01	1.56E+00	1.16E-01	2.29E+00
1518	494311.06	3858601.99	1.88153	0.55107	10.274	1.73189	3.08E-01	4.27E-01	1.99E+00	1.28E-01	2.85E+00	3.03E-01	1.85E-05	2.18E-02	3.73E-03	3.29E-01	3.68E-01	4.27E-01	1.99E+00	1.28E-01	2.92E+00
1519	494361.06	3858601.99	2.18122	0.5606	11.484	1.79049	3.57E-01	4.35E-01	2.23E+00	1.32E-01	3.15E+00	3.51E-01	1.88E-05	2.44E-02	3.85E-03	3.80E-01	4.27E-01	4.35E-01	2.23E+00	1.32E-01	3.22E+00
1520	494411.06	3858601.99	2.418	0.57197	12.025	1.81516	3.95E-01	4.44E-01	2.33E+00	1.34E-01	3.30E+00	3.90E-01	1.92E-05	2.56E-02	3.91E-03	4.19E-01	4.73E-01	4.44E-01	2.33E+00	1.34E-01	3.38E+00
1521	494461.06	3858601.99	2.42123	0.5704	11.901	1.80978	3.96E-01	4.42E-01	2.31E+00	1.33E-01	3.28E+00	3.90E-01	1.92E-05	2.53E-02	3.90E-03	4.19E-01	4.74E-01	4.42E-01	2.31E+00	1.33E-01	3.36E+00

1522	494511.06	3858601.99	2.33529	0.56415	11.685	1.80612	3.82E-01	4.38E-01	2.27E+00	1.33E-01	3.22E+00	3.76E-01	1.90E-05	2.48E-02	3.89E-03	4.05E-01	4.57E-01	4.38E-01	2.27E+00	1.33E-01	3.29E+00
1523	494561.06	3858601.99	2.3709	0.56598	11.462	1.79836	3.88E-01	4.39E-01	2.22E+00	1.32E-01	3.18E+00	3.82E-01	1.90E-05	2.44E-02	3.87E-03	4.10E-01	4.64E-01	4.39E-01	2.22E+00	1.32E-01	3.26E+00
1524	494611.06	3858601.99	2.29712	0.5632	11.078	1.7901	3.76E-01	4.37E-01	2.15E+00	1.32E-01	3.09E+00	3.70E-01	1.89E-05	2.36E-02	3.85E-03	3.98E-01	4.50E-01	4.37E-01	2.15E+00	1.32E-01	3.17E+00
1525	494661.06	3858601.99	2.25628	0.56117	10.841	1.77292	3.69E-01	4.35E-01	2.10E+00	1.31E-01	3.04E+00	3.64E-01	1.89E-05	2.30E-02	3.82E-03	3.90E-01	4.42E-01	4.35E-01	2.10E+00	1.31E-01	3.11E+00
1526	494711.06	3858601.99	2.18291	0.5509	10.648	1.76651	3.57E-01	4.27E-01	2.06E+00	1.30E-01	2.98E+00	3.52E-01	1.85E-05	2.26E-02	3.80E-03	3.78E-01	4.27E-01	4.27E-01	2.06E+00	1.30E-01	3.05E+00
1527	494761.06	3858601.99	2.10261	0.54555	10.561	1.76437	3.44E-01	4.23E-01	2.05E+00	1.30E-01	2.94E+00	3.39E-01	1.83E-05	2.25E-02	3.80E-03	3.65E-01	4.11E-01	4.23E-01	2.05E+00	1.30E-01	3.01E+00
1528	494811.06	3858601.99	1.97133	0.53713	10.459	1.75528	3.22E-01	4.17E-01	2.03E+00	1.29E-01	2.90E+00	3.18E-01	1.80E-05	2.22E-02	3.78E-03	3.44E-01	3.86E-01	4.17E-01	2.03E+00	1.29E-01	2.96E+00
1529	494861.06	3858601.99	1.92089	0.53305	10.195	1.75024	3.14E-01	4.13E-01	1.98E+00	1.29E-01	2.83E+00	3.10E-01	1.79E-05	2.17E-02	3.77E-03	3.35E-01	3.76E-01	4.14E-01	1.98E+00	1.29E-01	2.90E+00
1530	494911.06	3858601.99	1.81563	0.52713	9.8088	1.73373	2.97E-01	4.09E-01	1.90E+00	1.28E-01	2.74E+00	2.93E-01	1.77E-05	2.09E-02	3.73E-03	3.17E-01	3.55E-01	4.09E-01	1.90E+00	1.28E-01	2.79E+00
1531	494961.06	3858601.99	1.74957	0.51849	9.4324	1.71735	2.86E-01	4.02E-01	1.83E+00	1.26E-01	2.64E+00	2.82E-01	1.74E-05	2.01E-02	3.70E-03	3.06E-01	3.42E-01	4.02E-01	1.83E+00	1.26E-01	2.70E+00
1532	495011.06	3858601.99	1.68599	0.51337	8.9969	1.70198	2.76E-01	3.98E-01	1.74E+00	1.25E-01	2.54E+00	2.72E-01	1.72E-05	1.91E-02	3.66E-03	2.94E-01	3.30E-01	3.98E-01	1.74E+00	1.25E-01	2.60E+00
1533	495061.06	3858601.99	1.62362	0.50837	8.627	1.6846	2.66E-01	3.94E-01	1.67E+00	1.24E-01	2.46E+00	2.62E-01	1.71E-05	1.83E-02	3.63E-03	2.84E-01	3.18E-01	3.94E-01	1.67E+00	1.24E-01	2.51E+00
1534	495111.06	3858601.99	1.53151	0.50176	8.3889	1.66329	2.50E-01	3.89E-01	1.63E+00	1.22E-01	2.39E+00	2.47E-01	1.69E-05	1.78E-02	3.58E-03	2.68E-01	3.00E-01	3.89E-01	1.63E+00	1.22E-01	2.44E+00
1535	495161.06	3858601.99	1.4807	0.49401	8.2529	1.64703	2.42E-01	3.83E-01	1.60E+00	1.21E-01	2.35E+00	2.39E-01	1.66E-05	1.75E-02	3.55E-03	2.60E-01	2.90E-01	3.83E-01	1.60E+00	1.21E-01	2.39E+00
1536	495211.06	3858601.99	1.45577	0.48926	8.1524	1.64605	2.38E-01	3.80E-01	1.58E+00	1.21E-01	2.32E+00	2.35E-01	1.64E-05	1.73E-02	3.54E-03	2.55E-01	2.85E-01	3.80E-01	1.58E+00	1.21E-01	2.37E+00
1537	495261.06	3858601.99	1.43203	0.48055	8.0407	1.63959	2.34E-01	3.73E-01	1.56E+00	1.21E-01	2.29E+00	2.31E-01	1.61E-05	1.71E-02	3.53E-03	2.51E-01	2.80E-01	3.73E-01	1.56E+00	1.21E-01	2.33E+00
1538	495311.06	3858601.99	1.41675	0.47859	7.956	1.63202	2.32E-01	3.71E-01	1.54E+00	1.20E-01	2.27E+00	2.28E-01	1.61E-05	1.69E-02	3.51E-03	2.49E-01	2.77E-01	3.71E-01	1.54E+00	1.20E-01	2.31E+00
1539	495361.06	3858601.99	1.41023	0.47722	7.9014	1.62692	2.31E-01	3.70E-01	1.53E+00	1.20E-01	2.25E+00	2.27E-01	1.60E-05	1.68E-02	3.50E-03	2.48E-01	2.76E-01	3.70E-01	1.53E+00	1.20E-01	2.30E+00
1540	495411.06	3858601.99	1.40568	0.47554	7.8739	1.62152	2.30E-01	3.69E-01	1.53E+00	1.19E-01	2.24E+00	2.26E-01	1.60E-05	1.67E-02	3.49E-03	2.47E-01	2.75E-01	3.69E-01	1.53E+00	1.19E-01	2.29E+00
1541	495461.06	3858601.99	1.40345	0.47501	7.857	1.61679	2.30E-01	3.68E-01	1.52E+00	1.19E-01	2.24E+00	2.26E-01	1.60E-05	1.67E-02	3.48E-03	2.46E-01	2.75E-01	3.68E-01	1.52E+00	1.19E-01	2.29E+00
1542	495511.06	3858601.99	1.38628	0.47286	7.8229	1.60559	2.27E-01	3.67E-01	1.52E+00	1.18E-01	2.23E+00	2.23E-01	1.59E-05	1.66E-02	3.46E-03	2.43E-01	2.71E-01	3.67E-01	1.52E+00	1.18E-01	2.27E+00
1543	495561.06	3858601.99	1.3887	0.47202	7.8333	1.59962	2.27E-01	3.66E-01	1.52E+00	1.18E-01	2.23E+00	2.24E-01	1.59E-05	1.67E-02	3.44E-03	2.44E-01	2.72E-01	3.66E-01	1.52E+00	1.18E-01	2.27E+00
1544	495611.06	3858601.99	1.36851	0.46831	7.7521	1.58911	2.24E-01	3.63E-01	1.50E+00	1.17E-01	2.21E+00	2.21E-01	1.57E-05	1.65E-02	3.42E-03	2.40E-01	2.68E-01	3.63E-01	1.50E+00	1.17E-01	2.25E+00
1545	495661.06	3858601.99	1.36862	0.46723	7.7282	1.57937	2.24E-01	3.62E-01	1.50E+00	1.16E-01	2.20E+00	2.21E-01	1.57E-05	1.64E-02	3.40E-03	2.40E-01	2.68E-01	3.62E-01	1.50E+00	1.16E-01	2.25E+00
1546	494311.06	3858651.99	1.93989	0.54458	10.477	1.72257	3.17E-01	4.22E-01	2.03E+00	1.27E-01	2.90E+00	3.13E-01	1.83E-05	2.23E-02	3.71E-03	3.39E-01	3.80E-01	4.22E-01	2.03E+00	1.27E-01	2.96E+00
1547	494361.06	3858651.99	2.2368	0.56098	11.671	1.76991	3.66E-01	4.35E-01	2.26E+00	1.30E-01	3.19E+00	3.60E-01	1.88E-05	2.48E-02	3.81E-03	3.89E-01	4.38E-01	4.35E-01	2.26E+00	1.30E-01	3.27E+00
1548	494411.06	3858651.99	2.62636	0.57454	11.922	1.87847	4.30E-01	4.46E-01	2.31E+00	1.38E-01	3.33E+00	4.23E-01	1.93E-05	2.53E-02	4.04E-03	4.53E-01	5.14E-01	4.46E-01	2.31E+00	1.38E-01	3.41E+00
1549	494461.06	3858651.99	2.67247	0.57777	11.95	1.81565	4.37E-01	4.48E-01	2.32E+00	1.34E-01	3.34E+00	4.31E-01	1.94E-05	2.54E-02	3.91E-03	4.60E-01	5.23E-01	4.48E-01	2.32E+00	1.34E-01	3.42E+00
1550	494511.06	3858651.99	2.64304	0.57683	11.963	1.81438	4.32E-01	4.47E-01	2.32E+00	1.34E-01	3.33E+00	4.26E-01	1.94E-05	2.54E-02	3.91E-03	4.55E-01	5.17E-01	4.47E-01	2.32E+00	1.34E-01	3.42E+00
1551	494561.06	3858651.99	2.63986	0.57555	11.955	1.81959	4.32E-01	4.46E-01	2.32E+00	1.34E-01	3.33E+00	4.25E-01	1.93E-05	2.54E-02	3.92E-03	4.55E-01	5.17E-01	4.46E-01	2.32E+00	1.34E-01	3.42E+00
1552	494611.06	3858651.99	2.60136	0.57275	11.889	1.82474	4.25E-01	4.44E-01	2.31E+00	1.34E-01	3.31E+00	4.19E-01	1.92E-05	2.53E-02	3.93E-03	4.48E-01	5.09E-01	4.44E-01	2.31E+00	1.34E-01	3.39E+00
1553	494661.06	3858651.99	2.53584	0.56595	11.776	1.82069	4.15E-01	4.39E-01	2.28E+00	1.34E-01	3.27E+00	4.09E-01	1.90E-05	2.50E-02	3.92E-03	4.38E-01	4.96E-01	4.39E-01	2.28E+00	1.34E-01	3.35E+00
1554	494711.06	3858651.99	2.41302	0.55725	11.645	1.80884	3.95E-01	4.32E-01	2.26E+00	1.33E-01	3.22E+00	3.89E-01	1.87E-05	2.48E-02	3.89E-03	4.17E-01	4.72E-01	4.32E-01	2.26E+00	1.33E-01	3.30E+00
1555	494761.06	3858651.99	2.33315	0.55083	11.527	1.79205	3.82E-01	4.27E-01	2.24E+00	1.32E-01	3.18E+00	3.76E-01	1.85E-05	2.45E-02	3.86E-03	4.04E-01	4.57E-01	4.27E-01	2.24E+00	1.32E-01	3.25E+00
1556	494811.06	3858651.99	2.21101	0.54365	11.028	1.78217	3.62E-01	4.22E-01	2.14E+00	1.31E-01	3.05E+00	3.56E-01	1.83E-05	2.34E-02	3.84E-03	3.84E-01	4.33E-01	4.22E-01	2.14E+00	1.31E-01	3.12E+00
1557	494861.06	3858651.99	2.11157	0.53687	10.473	1.78283	3.45E-01	4.16E-01	2.03E+00	1.31E-01	2.92E+00	3.40E-01	1.80E-05	2.23E-02	3.84E-03	3.66E-01	4.13E-01	4.16E-01	2.03E+00	1.31E-01	2.99E+00
1558	494911.06	3858651.99	1.99215	0.52469	10.128	1.77726	3.26E-01	4.07E-01	1.96E+00	1.31E-01	2.83E+00	3.21E-01	1.76E-05	2.15E-02	3.83E-03	3.46E-01	3.90E-01	4.07E-01	1.96E+00	1.31E-01	2.89E+00
1559	494961.06	3858651.99	1.90193	0.5187	9.6427	1.75997	3.11E-01	4.02E-01	1.87E+00	1.30E-01	2.71E+00	3.06E-01	1.74E-05	2.05E-02	3.79E-03	3.31E-01	3.72E-01	4.02E-01	1.87E+00	1.30E-01	2.77E+00
1560	495011.06	3858651.99	1.83186	0.51354	9.4912	1.72997	3.00E-01	3.98E-01	1.84E+00	1.27E-01	2.67E+00	2.95E-01	1.73E-05	2.02E-02	3.72E-03	3.19E-01	3.58E-01	3.98E-01	1.84E+00	1.27E-01	2.72E+00
1561	495061.06	3858651.99	1.75266	0.50784	9.2487	1.70779	2.87E-01	3.94E-01	1.79E+00	1.26E-01	2.60E+00	2.82E-01	1.71E-05	1.97E-02	3.68E-03	3.06E-01	3.43E-01	3.94E-01	1.79E+00	1.26E-01	2.66E+00
1562	495111.06	3858651.99	1.66739	0.50228	8.9627	1.69284	2.73E-01	3.90E-01	1.74E+00	1.25E-01	2.52E+00	2.69E-01	1.69E-05	1.91E-02	3.64E-03	2.91E-01	3.26E-01	3.90E-01	1.74E+00	1.25E-01	2.58E+00
1563	495161.06	3858651.99	1.6279	0.49696	8.7175	1.6818	2.66E-01	3.85E-01	1.69E+00	1.24E-01	2.47E+00	2.62E-01	1.67E-05	1.85E-02	3.62E-03	2.84E-01	3.19E-01	3.86E-01	1.69E+00	1.24E-01	2.52E+00
1564	495211.06	3858651.99	1.57314	0.49002	8.5066	1.6699	2.57E-01	3.80E-01	1.65E+00	1.23E-01	2.41E+00	2.53E-01	1.65E-05	1.81E-02	3.59E-03	2.75E-01	3.08E-01	3.80E-01	1.65E+00	1.23E-01	2.46E+00
1565	495261.06	3858651.99	1.56677	0.48889	8.4102	1.66582	2.56E-01	3.79E-01	1.63E+00	1.23E-01	2.39E+00	2.52E-01	1.64E-05	1.79E-02	3.59E-03	2.74E-01	3.07E-01	3.79E-01	1.63E+00	1.23E-01	2.44E+00
1566	495311.06	3858651.99	1.54125	0.48713	8.3173	1.65108	2.52E-01	3.78E-01	1.61E+00	1.22E-01	2.36E+00	2.48E-01	1.64E-05	1.77E-02	3.55E-03	2.70E-01	3.02E-01	3.78E-01	1.61E+00	1.22E-01	2.41E+00
1567	495361.06	3858651.99	1.52767	0.4861	8.2367	1.64176	2.50E-01	3.77E-01	1.60E+00	1.21E-01	2.34E+00	2.46E-01	1.63E-05	1.75E-02	3.53E-03	2.67E-01	2.99E-01	3.77E-01	1.60E+00	1.21E-01	2.39E+00
1568	495411.06	3858651.99	1.51812	0.48542	8.1624	1.63079	2.48E-01	3.77E-01	1.58E+00	1.20E-01	2.33E+00	2.45E-01	1.63E-05	1.74E-02	3.51E-03	2.65E-01	2.97E-01	3.77E-01	1.58E+00	1.20E-01	2.38E+00
1569	495461.06	3858651.99	1.52547	0.48514	8.0956	1.62076	2.50E-01	3.76E-01	1.57E+00	1.19E-01	2.31E+00	2.46E-01	1.63E-05	1.72E-02	3.49E-03	2.67E-01	2.99E-01	3.76E-01	1.57E+00	1.19E-01	2.36E+00
1570	495511.06	3858651.99	1.49987	0.48403	7.9977	1.60641	2.45E-01	3.75E-01	1.55E+00	1.18E-01	2.29E+00	2.42E-01	1.63E-05	1.70E-02	3.46E-03	2.62E-01	2.93E-01	3.75E-01	1.55E+00	1.18E-01	2.34E+00
1571	495561.06	3858651.99	1.48737	0.48301	7.9036	1.59248	2.43E-01	3.75E-01	1.53E+00	1.17E-01	2.27E+00	2.40E-01	1.62E-05	1.68E-02	3.43E-03	2.60E-01	2.91E-01	3.75E-01	1.53E+00	1.17E-01	2.32E+00
1572	495611.06	3858651.99	1.45818	0.47453	7.8205	1.57646	2.39E-01	3.68E-01	1.52E+00	1.16E-01	2.24E+00	2.35E-01	1.59E-05	1.66E-02	3.39E-03	2.55E-01	2.85E-01	3.68E-01	1.52E+00	1.16E-01	2.29E+00
1573	495661.06	3858651.99	1.4593	0.47328	7.7725	1.56447	2.39E-01	3.67E-01	1.51E+00	1.15E-01	2.23E+00	2.35E-01	1.59E-05	1.65E-02	3.37E-03	2.55E-01	2.86E-01	3.67E-01	1.51E+00	1.15E-01	2.28E+00
1574	494311.06	3858701.99	2.11968	0.5508	10.883	1.76576	3.47E-01	4.27E-01	2.11E+00	1.30E-01	3.01E+00	3.42E-01	1.85E-05	2.31E-02	3.80E-03	3.69E-01	4.15E-01	4.27E-01	2.11E+00	1.30E-01	3.08E+00
1575	494361.06	3858701.99	2.57124	0.56797	11.47	1.85036	4.21E-01	4.41E-01	2.22E+00	1.36E-01	3.22E+00	4.14E-01	1.91E-05	2.44E-02	3.98E-03	4.43E-01	5.03E-01	4.41E-01	2.22E+00	1.36E-01	3.30E+00
1576	494411.06	3858701.99	2.88791	0.58166	11.442	1.9521	4.72E-01	4.51E-01	2.22E+00	1.44E-01	3.29E+00	4.65E-01	1.95E-05	2.43E-02	4.20E-03	4.94E-01	5.65E-01	4.51E-01	2.22E+00	1.44E-01	3.38E+00
1577	494461.06	3858701.99	2.89606	0.58199	11.272	1.96189	4.74E-01	4.51E-01	2.19E+00	1.44E-01	3.26E+00	4.67E-01	1.95E-05	2.40E-02	4.22E-03	4.95E-01	5.67E-01	4.51E-01	2.19E+00	1.44E-01	3.35E+00
1578	494511.06	3858701.99	2.91592	0.58308	11.138	1.91304	4.77E-01	4.52E-01	2.16E+00	1.41E-01	3.23E+00	4.70E-01	1.96E-05	2.37E-02	4.12E-03	4.98E-01	5.71E-01	4.52E-01	2.16E+00	1.41E-01	3.32E+00
1579	494561.06	3858701.99	2.89528	0.57964	11.094	1.89469	4.74E-01	4.50E-01	2.15E+00	1.39E-01	3.21E+00	4.67E-01	1.95E-05	2.36E-02	4.08E-03	4.94E-01	5.67E-01	4.50E-01	2.15E+00	1.39E-01	3.31E+00
1580	494611.06	3858701.99	2.75106	0.57242	11.06	1.85271	4.50E-01	4.44E-01	2.14E+00	1.36E-01	3.17E+00	4.43E-01	1.92E-05	2.35E-02	3.99E-03	4.71E-01	5.38E-01	4.44E-01	2.14E+00	1.36E-01	3.26E+00
1581	494661.06	3858701.99	2.76868	0.57272	11.103	1.85126	4.53E-01	4.44E-01	2.15E+00	1.36E-01	3.19E+00	4.46E-01	1.92E-05	2.36E-02	3.99E-03	4.74E-01	5.42E-01	4.44E-01	2.15E+00	1.36E-01	3.28E+00
1582	494711.06	3858701.99	2.42873	0.5551	10.987	1.80879	3.97E-01	4.31E-01	2.13E+00	1.33E-01	3.09E+00	3.91E-01	1.86E-05	2.34E-02	3.89E-03	4.19E-01	4.75E-01	4.31E-01	2.13E+00	1.33E-01	3.17E+00

1583	494761.06	3858701.99	2.53467	0.55711	11.069	1.81289	4.15E-01	4.32E-01	2.15E+00	1.33E-01	3.13E+00	4.08E-01	1.87E-05	2.35E-02	3.90E-03	4.36E-01	4.96E-01	4.32E-01	2.15E+00	1.33E-01	3.21E+00
1584	494811.06	3858701.99	2.4	0.5522	11.017	1.80188	3.93E-01	4.28E-01	2.14E+00	1.33E-01	3.09E+00	3.87E-01	1.85E-05	2.34E-02	3.88E-03	4.14E-01	4.70E-01	4.28E-01	2.14E+00	1.33E-01	3.17E+00
1585	494861.06	3858701.99	2.28713	0.54828	10.951	1.80232	3.74E-01	4.25E-01	2.12E+00	1.33E-01	3.06E+00	3.69E-01	1.84E-05	2.33E-02	3.88E-03	3.96E-01	4.48E-01	4.25E-01	2.12E+00	1.33E-01	3.13E+00
1586	494911.06	3858701.99	2.20727	0.52809	10.892	1.77531	3.61E-01	4.10E-01	2.11E+00	1.31E-01	3.01E+00	3.56E-01	1.77E-05	2.32E-02	3.82E-03	3.83E-01	4.32E-01	4.10E-01	2.11E+00	1.31E-01	3.08E+00
1587	494961.06	3858701.99	2.03796	0.52055	10.678	1.75212	3.33E-01	4.04E-01	2.07E+00	1.29E-01	2.94E+00	3.28E-01	1.75E-05	2.27E-02	3.77E-03	3.55E-01	3.99E-01	4.04E-01	2.07E+00	1.29E-01	3.00E+00
1588	495011.06	3858701.99	1.94652	0.51448	9.9983	1.73989	3.18E-01	3.99E-01	1.94E+00	1.28E-01	2.78E+00	3.14E-01	1.73E-05	2.13E-02	3.75E-03	3.39E-01	3.81E-01	3.99E-01	1.94E+00	1.28E-01	2.85E+00
1589	495061.06	3858701.99	1.91838	0.50995	9.7179	1.72976	3.14E-01	3.96E-01	1.88E+00	1.27E-01	2.72E+00	3.09E-01	1.71E-05	2.07E-02	3.72E-03	3.34E-01	3.75E-01	3.96E-01	1.88E+00	1.27E-01	2.78E+00
1590	495111.06	3858701.99	1.80892	0.50111	9.2817	1.71379	2.96E-01	3.89E-01	1.80E+00	1.26E-01	2.61E+00	2.91E-01	1.68E-05	1.97E-02	3.69E-03	3.15E-01	3.54E-01	3.89E-01	1.80E+00	1.26E-01	2.67E+00
1591	495161.06	3858701.99	1.76304	0.49869	9.0052	1.69828	2.88E-01	3.87E-01	1.75E+00	1.25E-01	2.55E+00	2.84E-01	1.68E-05	1.91E-02	3.66E-03	3.07E-01	3.45E-01	3.87E-01	1.75E+00	1.25E-01	2.60E+00
1592	495211.06	3858701.99	1.6958	0.49546	8.8029	1.65115	2.77E-01	3.84E-01	1.71E+00	1.22E-01	2.49E+00	2.73E-01	1.66E-05	1.87E-02	3.55E-03	2.96E-01	3.32E-01	3.84E-01	1.71E+00	1.22E-01	2.54E+00
1593	495261.06	3858701.99	1.69267	0.49454	8.7562	1.6468	2.77E-01	3.84E-01	1.70E+00	1.21E-01	2.48E+00	2.73E-01	1.66E-05	1.86E-02	3.55E-03	2.95E-01	3.31E-01	3.84E-01	1.70E+00	1.21E-01	2.53E+00
1594	495311.06	3858701.99	1.68439	0.49399	8.7102	1.64481	2.75E-01	3.83E-01	1.69E+00	1.21E-01	2.47E+00	2.71E-01	1.66E-05	1.85E-02	3.54E-03	2.93E-01	3.30E-01	3.83E-01	1.69E+00	1.21E-01	2.52E+00
1595	495361.06	3858701.99	1.66739	0.49294	8.652	1.62672	2.73E-01	3.82E-01	1.68E+00	1.20E-01	2.45E+00	2.69E-01	1.66E-05	1.84E-02	3.50E-03	2.91E-01	3.26E-01	3.82E-01	1.68E+00	1.20E-01	2.51E+00
1596	495411.06	3858701.99	1.67718	0.49285	8.6017	1.63827	2.74E-01	3.82E-01	1.67E+00	1.21E-01	2.45E+00	2.70E-01	1.66E-05	1.83E-02	3.53E-03	2.92E-01	3.28E-01	3.82E-01	1.67E+00	1.21E-01	2.50E+00
1597	495461.06	3858701.99	1.67139	0.4917	8.5302	1.63101	2.73E-01	3.81E-01	1.65E+00	1.20E-01	2.43E+00	2.69E-01	1.65E-05	1.81E-02	3.51E-03	2.91E-01	3.27E-01	3.81E-01	1.65E+00	1.20E-01	2.48E+00
1598	495511.06	3858701.99	1.64617	0.48809	8.4551	1.60882	2.69E-01	3.79E-01	1.64E+00	1.18E-01	2.41E+00	2.65E-01	1.64E-05	1.80E-02	3.46E-03	2.87E-01	3.22E-01	3.79E-01	1.64E+00	1.18E-01	2.46E+00
1599	495561.06	3858701.99	1.61262	0.48591	8.3482	1.59212	2.64E-01	3.77E-01	1.62E+00	1.17E-01	2.38E+00	2.60E-01	1.63E-05	1.77E-02	3.43E-03	2.81E-01	3.16E-01	3.77E-01	1.62E+00	1.17E-01	2.43E+00
1600	495611.06	3858701.99	1.5864	0.4836	8.1815	1.57132	2.59E-01	3.75E-01	1.59E+00	1.16E-01	2.34E+00	2.56E-01	1.62E-05	1.74E-02	3.38E-03	2.76E-01	3.10E-01	3.75E-01	1.59E+00	1.16E-01	2.39E+00
1601	495661.06	3858701.99	1.57451	0.48224	8.1189	1.55663	2.58E-01	3.74E-01	1.57E+00	1.15E-01	2.32E+00	2.54E-01	1.62E-05	1.73E-02	3.35E-03	2.74E-01	3.08E-01	3.74E-01	1.57E+00	1.15E-01	2.37E+00
1602	494311.06	3858751.99	2.33138	0.56599	11.082	1.80933	3.81E-01	4.39E-01	2.15E+00	1.33E-01	3.10E+00	3.76E-01	1.90E-05	2.36E-02	3.90E-03	4.03E-01	4.56E-01	4.39E-01	2.15E+00	1.33E-01	3.18E+00
1603	494361.06	3858751.99	2.93428	0.5891	11.587	1.96781	4.80E-01	4.57E-01	2.25E+00	1.45E-01	3.33E+00	4.73E-01	1.98E-05	2.46E-02	4.24E-03	5.02E-01	5.74E-01	4.57E-01	2.25E+00	1.45E-01	3.42E+00
1604	494411.06	3858751.99	3.19602	0.60559	11.717	2.02372	5.23E-01	4.70E-01	2.27E+00	1.49E-01	3.41E+00	5.15E-01	2.03E-05	2.49E-02	4.36E-03	5.44E-01	6.25E-01	4.70E-01	2.27E+00	1.49E-01	3.52E+00
1605	494461.06	3858751.99	3.21156	0.60557	11.698	2.02706	5.25E-01	4.70E-01	2.27E+00	1.49E-01	3.41E+00	5.17E-01	2.03E-05	2.49E-02	4.36E-03	5.47E-01	6.28E-01	4.70E-01	2.27E+00	1.49E-01	3.52E+00
1606	494511.06	3858751.99	3.26755	0.60905	11.654	2.02011	5.34E-01	4.72E-01	2.26E+00	1.49E-01	3.42E+00	5.27E-01	2.05E-05	2.48E-02	4.35E-03	5.56E-01	6.39E-01	4.72E-01	2.26E+00	1.49E-01	3.52E+00
1607	494561.06	3858751.99	3.17817	0.59843	11.605	2.01462	5.20E-01	4.64E-01	2.25E+00	1.48E-01	3.38E+00	5.12E-01	2.01E-05	2.47E-02	4.34E-03	5.41E-01	6.22E-01	4.64E-01	2.25E+00	1.48E-01	3.48E+00
1608	494611.06	3858751.99	3.02832	0.58762	11.492	1.97152	4.95E-01	4.56E-01	2.23E+00	1.45E-01	3.32E+00	4.88E-01	1.97E-05	2.44E-02	4.24E-03	5.17E-01	5.93E-01	4.56E-01	2.23E+00	1.45E-01	3.42E+00
1609	494661.06	3858751.99	2.98923	0.58343	11.376	1.96278	4.89E-01	4.53E-01	2.21E+00	1.45E-01	3.29E+00	4.82E-01	1.96E-05	2.42E-02	4.23E-03	5.10E-01	5.85E-01	4.53E-01	2.21E+00	1.45E-01	3.39E+00
1610	494711.06	3858751.99	2.82151	0.57428	11.132	1.92271	4.61E-01	4.45E-01	2.16E+00	1.42E-01	3.21E+00	4.55E-01	1.93E-05	2.37E-02	4.14E-03	4.82E-01	5.52E-01	4.45E-01	2.16E+00	1.42E-01	3.30E+00
1611	494761.06	3858751.99	2.77006	0.57432	10.937	1.87229	4.53E-01	4.46E-01	2.12E+00	1.38E-01	3.16E+00	4.46E-01	1.93E-05	2.33E-02	4.03E-03	4.74E-01	5.42E-01	4.46E-01	2.12E+00	1.38E-01	3.25E+00
1612	494811.06	3858751.99	2.61711	0.56684	10.707	1.82848	4.28E-01	4.40E-01	2.08E+00	1.35E-01	3.08E+00	4.22E-01	1.90E-05	2.28E-02	3.94E-03	4.48E-01	5.12E-01	4.40E-01	2.08E+00	1.35E-01	3.16E+00
1613	494861.06	3858751.99	2.48491	0.56117	10.506	1.79896	4.06E-01	4.35E-01	2.04E+00	1.32E-01	3.01E+00	4.00E-01	1.89E-05	2.23E-02	3.87E-03	4.27E-01	4.86E-01	4.35E-01	2.04E+00	1.32E-01	3.09E+00
1614	494911.06	3858751.99	2.34247	0.55241	10.302	1.79099	3.83E-01	4.29E-01	2.00E+00	1.32E-01	2.94E+00	3.77E-01	1.86E-05	2.19E-02	3.86E-03	4.03E-01	4.58E-01	4.29E-01	2.00E+00	1.32E-01	3.02E+00
1615	494961.06	3858751.99	2.2456	0.54577	10.299	1.7504	3.67E-01	4.23E-01	2.00E+00	1.29E-01	2.92E+00	3.62E-01	1.83E-05	2.19E-02	3.77E-03	3.88E-01	4.39E-01	4.23E-01	2.00E+00	1.29E-01	2.99E+00
1616	495011.06	3858751.99	2.18723	0.52375	10.28	1.73254	3.58E-01	4.06E-01	1.99E+00	1.28E-01	2.88E+00	3.52E-01	1.76E-05	2.19E-02	3.73E-03	3.78E-01	4.28E-01	4.06E-01	1.99E+00	1.28E-01	2.96E+00
1617	495061.06	3858751.99	2.09622	0.51599	10.207	1.70905	3.43E-01	4.00E-01	1.98E+00	1.26E-01	2.85E+00	3.38E-01	1.73E-05	2.17E-02	3.68E-03	3.63E-01	4.10E-01	4.00E-01	1.98E+00	1.26E-01	2.92E+00
1618	495111.06	3858751.99	1.98576	0.50866	9.8867	1.70518	3.25E-01	3.95E-01	1.92E+00	1.26E-01	2.76E+00	3.20E-01	1.71E-05	2.10E-02	3.67E-03	3.45E-01	3.89E-01	3.95E-01	1.92E+00	1.26E-01	2.83E+00
1619	495161.06	3858751.99	1.93596	0.50514	9.8041	1.69491	3.17E-01	3.92E-01	1.90E+00	1.25E-01	2.73E+00	3.12E-01	1.70E-05	2.08E-02	3.65E-03	3.36E-01	3.79E-01	3.92E-01	1.90E+00	1.25E-01	2.80E+00
1620	495211.06	3858751.99	1.86898	0.50074	9.6892	1.68297	3.06E-01	3.88E-01	1.88E+00	1.24E-01	2.70E+00	3.01E-01	1.68E-05	2.06E-02	3.62E-03	3.25E-01	3.66E-01	3.88E-01	1.88E+00	1.24E-01	2.76E+00
1621	495261.06	3858751.99	1.86029	0.49944	9.58	1.67814	3.04E-01	3.87E-01	1.86E+00	1.24E-01	2.67E+00	3.00E-01	1.68E-05	2.04E-02	3.61E-03	3.24E-01	3.64E-01	3.87E-01	1.86E+00	1.24E-01	2.73E+00
1622	495311.06	3858751.99	1.85346	0.49836	9.4613	1.67324	3.03E-01	3.87E-01	1.83E+00	1.23E-01	2.65E+00	2.99E-01	1.67E-05	2.01E-02	3.60E-03	3.22E-01	3.63E-01	3.87E-01	1.83E+00	1.23E-01	2.71E+00
1623	495361.06	3858751.99	1.83581	0.49674	9.3302	1.66681	3.00E-01	3.85E-01	1.81E+00	1.23E-01	2.62E+00	2.96E-01	1.67E-05	1.98E-02	3.59E-03	3.19E-01	3.59E-01	3.85E-01	1.81E+00	1.23E-01	2.68E+00
1624	495411.06	3858751.99	1.85376	0.4967	9.2914	1.66164	3.03E-01	3.85E-01	1.80E+00	1.22E-01	2.61E+00	2.99E-01	1.67E-05	1.98E-02	3.58E-03	3.22E-01	3.63E-01	3.85E-01	1.80E+00	1.22E-01	2.67E+00
1625	495461.06	3858751.99	1.84039	0.49557	9.195	1.65108	3.01E-01	3.84E-01	1.78E+00	1.22E-01	2.59E+00	2.97E-01	1.66E-05	1.96E-02	3.55E-03	3.20E-01	3.60E-01	3.84E-01	1.78E+00	1.22E-01	2.65E+00
1626	495511.06	3858751.99	1.81239	0.494	9.0185	1.63883	2.96E-01	3.83E-01	1.75E+00	1.21E-01	2.55E+00	2.92E-01	1.66E-05	1.92E-02	3.53E-03	3.15E-01	3.55E-01	3.83E-01	1.75E+00	1.21E-01	2.61E+00
1627	495561.06	3858751.99	1.7764	0.49217	8.8234	1.62579	2.91E-01	3.82E-01	1.71E+00	1.20E-01	2.50E+00	2.86E-01	1.65E-05	1.88E-02	3.50E-03	3.09E-01	3.48E-01	3.82E-01	1.71E+00	1.20E-01	2.56E+00
1628	495611.06	3858751.99	1.74603	0.49095	8.6905	1.61265	2.86E-01	3.81E-01	1.69E+00	1.19E-01	2.47E+00	2.81E-01	1.65E-05	1.85E-02	3.47E-03	3.03E-01	3.42E-01	3.81E-01	1.69E+00	1.19E-01	2.53E+00
1629	495661.06	3858751.99	1.72731	0.49032	8.5905	1.60055	2.83E-01	3.80E-01	1.67E+00	1.18E-01	2.45E+00	2.78E-01	1.65E-05	1.83E-02	3.45E-03	3.00E-01	3.38E-01	3.80E-01	1.67E+00	1.18E-01	2.50E+00
1630	494311.06	3858801.99	2.74379	0.57911	10.84	1.91668	4.49E-01	4.49E-01	2.10E+00	1.41E-01	3.14E+00	4.42E-01	1.95E-05	2.30E-02	4.13E-03	4.69E-01	5.37E-01	4.49E-01	2.10E+00	1.41E-01	3.23E+00
1631	494361.06	3858801.99	3.2645	0.61659	11.049	2.03449	5.34E-01	4.78E-01	2.14E+00	1.50E-01	3.30E+00	5.26E-01	2.07E-05	2.35E-02	4.38E-03	5.54E-01	6.39E-01	4.78E-01	2.14E+00	1.50E-01	3.41E+00
1632	494411.06	3858801.99	3.42397	0.63043	11.125	2.062	5.60E-01	4.89E-01	2.16E+00	1.52E-01	3.36E+00	5.52E-01	2.12E-05	2.37E-02	4.44E-03	5.80E-01	6.70E-01	4.89E-01	2.16E+00	1.52E-01	3.47E+00
1633	494461.06	3858801.99	3.53525	0.63709	11.097	2.0718	5.78E-01	4.94E-01	2.15E+00	1.53E-01	3.38E+00	5.70E-01	2.14E-05	2.36E-02	4.46E-03	5.98E-01	6.92E-01	4.94E-01	2.15E+00	1.53E-01	3.49E+00
1634	494511.06	3858801.99	3.61372	0.64628	11.143	2.05717	5.91E-01	5.01E-01	2.16E+00	1.51E-01	3.40E+00	5.82E-01	2.17E-05	2.37E-02	4.43E-03	6.10E-01	7.07E-01	5.01E-01	2.16E+00	1.51E-01	3.52E+00
1635	494561.06	3858801.99	3.60084	0.64282	11.182	2.04781	5.89E-01	4.99E-01	2.17E+00	1.51E-01	3.41E+00	5.80E-01	2.16E-05	2.38E-02	4.41E-03	6.08E-01	7.05E-01	4.99E-01	2.17E+00	1.51E-01	3.52E+00
1636	494611.06	3858801.99	3.49915	0.63439	11.197	2.03267	5.72E-01	4.92E-01	2.17E+00	1.50E-01	3.39E+00	5.64E-01	2.13E-05	2.38E-02	4.38E-03	5.92E-01	6.85E-01	4.92E-01	2.17E+00	1.50E-01	3.50E+00
1637	494661.06	3858801.99	3.36655	0.61626	11.175	2.00411	5.51E-01	4.78E-01	2.17E+00	1.48E-01	3.34E+00	5.42E-01	2.07E-05	2.38E-02	4.31E-03	5.71E-01	6.59E-01	4.78E-01	2.17E+00	1.48E-01	3.45E+00
1638	494711.06	3858801.99	3.19797	0.60247	11.134	1.96039	5.23E-01	4.67E-01	2.16E+00	1.44E-01	3.29E+00	5.15E-01	2.02E-05	2.37E-02	4.22E-03	5.43E-01	6.26E-01	4.67E-01	2.16E+00	1.44E-01	3.40E+00
1639	494761.06	3858801.99	2.97396	0.5889	11.064	1.93638	4.86E-01	4.57E-01	2.15E+00	1.43E-01	3.23E+00	4.79E-01	1.98E-05	2.35E-02	4.17E-03	5.07E-01	5.82E-01	4.57E-01	2.15E+00	1.43E-01	3.33E+00
1640	494811.06	3858801.99	2.78396	0.57438	10.951	1.86731	4.55E-01	4.46E-01	2.12E+00	1.37E-01	3.16E+00	4.49E-01	1.93E-05	2.33E-02	4.02E-03	4.76E-01	5.45E-01	4.46E-01	2.12E+00	1.37E-01	3.25E+00
1641	494861.06	3858801.99	2.71166	0.56839	10.879	1.85184	4.44E-01	4.41E-01	2.11E+00	1.36E-01	3.13E+00	4.37E-01	1.91E-05	2.31E-02	3.99E-03	4.64E-01	5.31E-01	4.41E-01	2.11E+00	1.36E-01	3.22E+00
1642	494911.06	3858801.99	2.55641	0.55985	10.78	1.7885	4.18E-01	4.34E-01	2.09E+00	1.32E-01	3.07E+00	4.12E-01	1.88E-05	2.29E-02	3.85E-03	4.39E-01	5.00E-01	4.34E-01	2.09E+00	1.32E-01	3.16E+00
1643	494961.06	3858801.99	2.46492	0.55494	10.675	1.76535	4.03E-01	4.30E-01	2.07E+00	1.30E-01	3.03E+00	3.97E-01	1.86E-05	2.27E-02	3.80E-03	4.24E-01	4.82E-01	4.30E-01	2.07E+00	1.30E-01	3.11E+00

1644	495011.06	3858801.99	2.36077	0.54961	10.518	1.74727	3.86E-01	4.26E-01	2.04E+00	1.29E-01	2.98E+00	3.80E-01	1.85E-05	2.24E-02	3.76E-03	4.07E-01	4.62E-01	4.26E-01	2.04E+00	1.29E-01	3.06E+00
1645	495061.06	3858801.99	2.30699	0.54697	10.391	1.724	3.77E-01	4.24E-01	2.01E+00	1.27E-01	2.94E+00	3.72E-01	1.84E-05	2.21E-02	3.71E-03	3.98E-01	4.51E-01	4.24E-01	2.01E+00	1.27E-01	3.02E+00
1646	495111.06	3858801.99	2.17153	0.52483	10.195	1.71474	3.55E-01	4.07E-01	1.98E+00	1.26E-01	2.87E+00	3.50E-01	1.76E-05	2.17E-02	3.69E-03	3.75E-01	4.25E-01	4.07E-01	1.98E+00	1.26E-01	2.94E+00
1647	495161.06	3858801.99	2.08833	0.51962	10.048	1.70968	3.42E-01	4.03E-01	1.95E+00	1.26E-01	2.82E+00	3.36E-01	1.75E-05	2.14E-02	3.68E-03	3.62E-01	4.09E-01	4.03E-01	1.95E+00	1.26E-01	2.89E+00
1648	495211.06	3858801.99	2.0432	0.51616	9.7707	1.70243	3.34E-01	4.00E-01	1.89E+00	1.25E-01	2.75E+00	3.29E-01	1.73E-05	2.08E-02	3.66E-03	3.54E-01	4.00E-01	4.00E-01	1.89E+00	1.25E-01	2.82E+00
1649	495261.06	3858801.99	2.02914	0.51415	9.7576	1.69552	3.32E-01	3.99E-01	1.89E+00	1.25E-01	2.75E+00	3.27E-01	1.73E-05	2.07E-02	3.65E-03	3.51E-01	3.97E-01	3.99E-01	1.89E+00	1.25E-01	2.81E+00
1650	495311.06	3858801.99	2.03683	0.51404	9.7602	1.68966	3.33E-01	3.99E-01	1.89E+00	1.24E-01	2.75E+00	3.28E-01	1.73E-05	2.08E-02	3.64E-03	3.53E-01	3.99E-01	3.99E-01	1.89E+00	1.24E-01	2.81E+00
1651	495361.06	3858801.99	2.02594	0.51226	9.7389	1.68473	3.31E-01	3.97E-01	1.89E+00	1.24E-01	2.74E+00	3.26E-01	1.72E-05	2.07E-02	3.63E-03	3.51E-01	3.96E-01	3.97E-01	1.89E+00	1.24E-01	2.81E+00
1652	495411.06	3858801.99	2.06546	0.51467	9.7039	1.68046	3.38E-01	3.99E-01	1.88E+00	1.24E-01	2.74E+00	3.33E-01	1.73E-05	2.06E-02	3.62E-03	3.57E-01	4.04E-01	3.99E-01	1.88E+00	1.24E-01	2.81E+00
1653	495461.06	3858801.99	2.04713	0.5122	9.6596	1.67321	3.35E-01	3.97E-01	1.87E+00	1.23E-01	2.73E+00	3.30E-01	1.72E-05	2.05E-02	3.60E-03	3.54E-01	4.01E-01	3.97E-01	1.87E+00	1.23E-01	2.79E+00
1654	495511.06	3858801.99	2.00946	0.50864	9.4785	1.66158	3.29E-01	3.95E-01	1.84E+00	1.22E-01	2.68E+00	3.24E-01	1.71E-05	2.02E-02	3.58E-03	3.48E-01	3.93E-01	3.95E-01	1.84E+00	1.22E-01	2.75E+00
1655	495561.06	3858801.99	1.97947	0.50614	9.3466	1.60998	3.24E-01	3.93E-01	1.81E+00	1.19E-01	2.65E+00	3.19E-01	1.70E-05	1.99E-02	3.47E-03	3.42E-01	3.87E-01	3.93E-01	1.81E+00	1.19E-01	2.71E+00
1656	495611.06	3858801.99	1.92193	0.50288	9.2471	1.59556	3.14E-01	3.90E-01	1.79E+00	1.17E-01	2.61E+00	3.10E-01	1.69E-05	1.97E-02	3.43E-03	3.33E-01	3.76E-01	3.90E-01	1.79E+00	1.17E-01	2.68E+00
1657	495661.06	3858801.99	1.90718	0.50197	9.1709	1.58925	3.12E-01	3.89E-01	1.78E+00	1.17E-01	2.60E+00	3.07E-01	1.69E-05	1.95E-02	3.42E-03	3.30E-01	3.73E-01	3.89E-01	1.78E+00	1.17E-01	2.66E+00
1658	494311.06	3858851.99	3.50395	0.64434	11.073	2.03656	5.73E-01	5.00E-01	2.15E+00	1.50E-01	3.37E+00	5.65E-01	2.16E-05	2.35E-02	4.38E-03	5.93E-01	6.86E-01	5.00E-01	2.15E+00	1.50E-01	3.48E+00
1659	494361.06	3858851.99	3.89552	0.66249	11.172	2.09958	6.37E-01	5.14E-01	2.17E+00	1.55E-01	3.47E+00	6.28E-01	2.23E-05	2.38E-02	4.52E-03	6.56E-01	7.62E-01	5.14E-01	2.17E+00	1.55E-01	3.60E+00
1660	494411.06	3858851.99	3.86913	0.66179	11.161	2.10544	6.33E-01	5.13E-01	2.16E+00	1.55E-01	3.47E+00	6.23E-01	2.22E-05	2.37E-02	4.53E-03	6.52E-01	7.57E-01	5.13E-01	2.16E+00	1.55E-01	3.59E+00
1661	494461.06	3858851.99	3.8747	0.66389	11.161	2.1077	6.34E-01	5.15E-01	2.16E+00	1.55E-01	3.47E+00	6.24E-01	2.23E-05	2.37E-02	4.54E-03	6.53E-01	7.58E-01	5.15E-01	2.16E+00	1.55E-01	3.59E+00
1662	494511.06	3858851.99	3.88368	0.67097	11.139	2.08981	6.35E-01	5.20E-01	2.16E+00	1.54E-01	3.47E+00	6.26E-01	2.25E-05	2.37E-02	4.50E-03	6.54E-01	7.60E-01	5.21E-01	2.16E+00	1.54E-01	3.59E+00
1663	494561.06	3858851.99	3.82413	0.66645	11.107	2.06632	6.25E-01	5.17E-01	2.15E+00	1.52E-01	3.45E+00	6.16E-01	2.24E-05	2.36E-02	4.45E-03	6.44E-01	7.48E-01	5.17E-01	2.15E+00	1.52E-01	3.57E+00
1664	494611.06	3858851.99	3.71381	0.65861	11.045	2.0322	6.07E-01	5.11E-01	2.14E+00	1.50E-01	3.41E+00	5.98E-01	2.21E-05	2.35E-02	4.37E-03	6.26E-01	7.27E-01	5.11E-01	2.14E+00	1.50E-01	3.53E+00
1665	494661.06	3858851.99	3.6089	0.64885	10.853	2.01266	5.90E-01	5.03E-01	2.10E+00	1.48E-01	3.35E+00	5.82E-01	2.18E-05	2.31E-02	4.33E-03	6.09E-01	7.06E-01	5.03E-01	2.10E+00	1.48E-01	3.46E+00
1666	494711.06	3858851.99	3.4164	0.6299	10.669	1.99116	5.59E-01	4.89E-01	2.07E+00	1.47E-01	3.26E+00	5.50E-01	2.12E-05	2.27E-02	4.29E-03	5.77E-01	6.69E-01	4.89E-01	2.07E+00	1.47E-01	3.37E+00
1667	494761.06	3858851.99	3.2034	0.61171	10.534	1.95238	5.24E-01	4.75E-01	2.04E+00	1.44E-01	3.18E+00	5.16E-01	2.05E-05	2.24E-02	4.20E-03	5.43E-01	6.27E-01	4.75E-01	2.04E+00	1.44E-01	3.29E+00
1668	494811.06	3858851.99	3.04587	0.59992	10.447	1.9269	4.98E-01	4.65E-01	2.03E+00	1.42E-01	3.13E+00	4.91E-01	2.02E-05	2.22E-02	4.15E-03	5.17E-01	5.96E-01	4.65E-01	2.03E+00	1.42E-01	3.23E+00
1669	494861.06	3858851.99	2.9477	0.59176	10.412	1.90986	4.82E-01	4.59E-01	2.02E+00	1.41E-01	3.10E+00	4.75E-01	1.99E-05	2.21E-02	4.11E-03	5.01E-01	5.77E-01	4.59E-01	2.02E+00	1.41E-01	3.20E+00
1670	494911.06	3858851.99	2.80137	0.57938	10.369	1.88431	4.58E-01	4.49E-01	2.01E+00	1.39E-01	3.06E+00	4.51E-01	1.95E-05	2.20E-02	4.06E-03	4.78E-01	5.48E-01	4.49E-01	2.01E+00	1.39E-01	3.15E+00
1671	494961.06	3858851.99	2.69458	0.56983	10.33	1.84774	4.41E-01	4.42E-01	2.00E+00	1.36E-01	3.02E+00	4.34E-01	1.91E-05	2.20E-02	3.98E-03	4.60E-01	5.27E-01	4.42E-01	2.00E+00	1.36E-01	3.11E+00
1672	495011.06	3858851.99	2.62324	0.56264	10.298	1.80734	4.29E-01	4.36E-01	2.00E+00	1.33E-01	3.00E+00	4.23E-01	1.89E-05	2.19E-02	3.89E-03	4.48E-01	5.13E-01	4.36E-01	2.00E+00	1.33E-01	3.08E+00
1673	495061.06	3858851.99	2.51816	0.55463	10.266	1.78422	4.12E-01	4.30E-01	1.99E+00	1.31E-01	2.96E+00	4.06E-01	1.86E-05	2.18E-02	3.84E-03	4.31E-01	4.93E-01	4.30E-01	1.99E+00	1.31E-01	3.04E+00
1674	495111.06	3858851.99	2.32575	0.5409	10.173	1.72938	3.80E-01	4.20E-01	1.97E+00	1.27E-01	2.90E+00	3.75E-01	1.82E-05	2.16E-02	3.72E-03	4.00E-01	4.55E-01	4.20E-01	1.97E+00	1.27E-01	2.97E+00
1675	495161.06	3858851.99	2.23112	0.5262	10.145	1.71826	3.65E-01	4.08E-01	1.97E+00	1.27E-01	2.87E+00	3.60E-01	1.77E-05	2.16E-02	3.70E-03	3.85E-01	4.37E-01	4.08E-01	1.97E+00	1.27E-01	2.94E+00
1676	495211.06	3858851.99	2.25539	0.5275	10.194	1.71868	3.69E-01	4.09E-01	1.98E+00	1.27E-01	2.88E+00	3.63E-01	1.77E-05	2.17E-02	3.70E-03	3.89E-01	4.41E-01	4.09E-01	1.98E+00	1.27E-01	2.95E+00
1677	495261.06	3858851.99	2.24481	0.52675	10.217	1.71527	3.67E-01	4.09E-01	1.98E+00	1.26E-01	2.88E+00	3.62E-01	1.77E-05	2.17E-02	3.69E-03	3.87E-01	4.39E-01	4.09E-01	1.98E+00	1.26E-01	2.96E+00
1678	495311.06	3858851.99	2.25005	0.52764	10.171	1.71461	3.68E-01	4.09E-01	1.97E+00	1.26E-01	2.88E+00	3.63E-01	1.77E-05	2.16E-02	3.69E-03	3.88E-01	4.40E-01	4.09E-01	1.97E+00	1.26E-01	2.95E+00
1679	495361.06	3858851.99	2.25011	0.52707	10.083	1.7123	3.68E-01	4.09E-01	1.96E+00	1.26E-01	2.86E+00	3.63E-01	1.77E-05	2.14E-02	3.69E-03	3.88E-01	4.40E-01	4.09E-01	1.96E+00	1.26E-01	2.93E+00
1680	495411.06	3858851.99	2.25392	0.52634	9.9955	1.70995	3.69E-01	4.08E-01	1.94E+00	1.26E-01	2.84E+00	3.63E-01	1.77E-05	2.13E-02	3.68E-03	3.88E-01	4.41E-01	4.08E-01	1.94E+00	1.26E-01	2.91E+00
1681	495461.06	3858851.99	2.26027	0.52482	9.9132	1.70786	3.70E-01	4.07E-01	1.92E+00	1.26E-01	2.82E+00	3.64E-01	1.76E-05	2.11E-02	3.68E-03	3.89E-01	4.42E-01	4.07E-01	1.92E+00	1.26E-01	2.90E+00
1682	495511.06	3858851.99	2.22813	0.52322	9.8449	1.7009	3.64E-01	4.06E-01	1.91E+00	1.25E-01	2.80E+00	3.59E-01	1.76E-05	2.09E-02	3.66E-03	3.84E-01	4.36E-01	4.06E-01	1.91E+00	1.25E-01	2.88E+00
1683	495561.06	3858851.99	2.15728	0.51622	9.7083	1.6765	3.53E-01	4.00E-01	1.88E+00	1.23E-01	2.76E+00	3.48E-01	1.73E-05	2.06E-02	3.61E-03	3.72E-01	4.22E-01	4.00E-01	1.88E+00	1.23E-01	2.83E+00
1684	495611.06	3858851.99	2.09972	0.51172	9.6099	1.64482	3.43E-01	3.97E-01	1.86E+00	1.21E-01	2.72E+00	3.38E-01	1.72E-05	2.04E-02	3.54E-03	3.62E-01	4.11E-01	3.97E-01	1.86E+00	1.21E-01	2.79E+00
1685	495661.06	3858851.99	2.10343	0.51192	9.5551	1.63516	3.44E-01	3.97E-01	1.85E+00	1.20E-01	2.71E+00	3.39E-01	1.72E-05	2.03E-02	3.52E-03	3.63E-01	4.12E-01	3.97E-01	1.85E+00	1.20E-01	2.78E+00
1686	494311.06	3858901.99	3.94633	0.67377	10.704	2.11278	6.45E-01	5.23E-01	2.08E+00	1.56E-01	3.40E+00	6.36E-01	2.26E-05	2.28E-02	4.55E-03	6.63E-01	7.72E-01	5.23E-01	2.08E+00	1.56E-01	3.53E+00
1687	494361.06	3858901.99	4.24797	0.69844	10.782	2.15078	6.95E-01	5.42E-01	2.09E+00	1.58E-01	3.49E+00	6.84E-01	2.35E-05	2.29E-02	4.63E-03	7.12E-01	8.31E-01	5.42E-01	2.09E+00	1.58E-01	3.62E+00
1688	494411.06	3858901.99	4.26986	0.70109	10.775	2.14852	6.98E-01	5.44E-01	2.09E+00	1.58E-01	3.49E+00	6.88E-01	2.36E-05	2.29E-02	4.63E-03	7.16E-01	8.36E-01	5.44E-01	2.09E+00	1.58E-01	3.63E+00
1689	494461.06	3858901.99	4.30864	0.71149	10.745	2.1182	7.05E-01	5.52E-01	2.08E+00	1.56E-01	3.50E+00	6.94E-01	2.39E-05	2.28E-02	4.56E-03	7.22E-01	8.43E-01	5.52E-01	2.08E+00	1.56E-01	3.63E+00
1690	494511.06	3858901.99	4.2853	0.7123	10.719	2.10933	7.01E-01	5.53E-01	2.08E+00	1.55E-01	3.49E+00	6.90E-01	2.39E-05	2.28E-02	4.54E-03	7.18E-01	8.39E-01	5.53E-01	2.08E+00	1.55E-01	3.62E+00
1691	494561.06	3858901.99	4.16708	0.70039	10.679	2.07557	6.82E-01	5.43E-01	2.07E+00	1.53E-01	3.45E+00	6.71E-01	2.35E-05	2.27E-02	4.47E-03	6.99E-01	8.15E-01	5.43E-01	2.07E+00	1.53E-01	3.58E+00
1692	494611.06	3858901.99	3.95099	0.67872	10.639	2.02314	6.46E-01	5.26E-01	2.06E+00	1.49E-01	3.38E+00	6.37E-01	2.28E-05	2.26E-02	4.36E-03	6.64E-01	7.73E-01	5.27E-01	2.06E+00	1.49E-01	3.51E+00
1693	494661.06	3858901.99	3.85074	0.67047	10.63	2.00494	6.30E-01	5.20E-01	2.06E+00	1.48E-01	3.36E+00	6.20E-01	2.25E-05	2.26E-02	4.32E-03	6.47E-01	7.54E-01	5.20E-01	2.06E+00	1.48E-01	3.48E+00
1694	494711.06	3858901.99	3.64867	0.65416	10.608	1.9921	5.97E-01	5.07E-01	2.06E+00	1.47E-01	3.31E+00	5.88E-01	2.20E-05	2.26E-02	4.29E-03	6.15E-01	7.14E-01	5.07E-01	2.06E+00	1.47E-01	3.43E+00
1695	494761.06	3858901.99	3.42037	0.63507	10.576	1.96519	5.59E-01	4.93E-01	2.05E+00	1.45E-01	3.25E+00	5.51E-01	2.13E-05	2.25E-02	4.23E-03	5.78E-01	6.69E-01	4.93E-01	2.05E+00	1.45E-01	3.36E+00
1696	494811.06	3858901.99	3.31673	0.62505	10.563	1.94909	5.42E-01	4.85E-01	2.05E+00	1.44E-01	3.22E+00	5.34E-01	2.10E-05	2.25E-02	4.20E-03	5.61E-01	6.49E-01	4.85E-01	2.05E+00	1.44E-01	3.33E+00
1697	494861.06	3858901.99	3.22154	0.61574	10.411	1.93222	5.27E-01	4.78E-01	2.02E+00	1.42E-01	3.17E+00	5.19E-01	2.07E-05	2.21E-02	4.16E-03	5.45E-01	6.30E-01	4.78E-01	2.02E+00	1.42E-01	3.27E+00
1698	494911.06	3858901.99	3.00877	0.59429	10.269	1.89238	4.92E-01	4.61E-01	1.99E+00	1.39E-01	3.08E+00	4.85E-01	2.00E-05	2.18E-02	4.07E-03	5.11E-01	5.89E-01	4.61E-01	1.99E+00	1.39E-01	3.18E+00
1699	494961.06	3858901.99	2.91372	0.58305	10.202	1.87299	4.77E-01	4.52E-01	1.98E+00	1.38E-01	3.05E+00	4.69E-01	1.96E-05	2.17E-02	4.03E-03	4.95E-01	5.70E-01	4.52E-01	1.98E+00	1.38E-01	3.14E+00
1700	495011.06	3858901.99	2.82466	0.5734	10.186	1.85808	4.62E-01	4.45E-01	1.98E+00	1.37E-01	3.02E+00	4.55E-01	1.93E-05	2.17E-02	4.00E-03	4.81E-01	5.53E-01	4.45E-01	1.98E+00	1.37E-01	3.11E+00
1701	495061.06	3858901.99	2.66755	0.5611	10.135	1.81823	4.36E-01	4.35E-01	1.97E+00	1.34E-01	2.97E+00	4.30E-01	1.88E-05	2.15E-02	3.91E-03	4.55E-01	5.22E-01	4.35E-01	1.97E+00	1.34E-01	3.06E+00
1702	495111.06	3858901.99	2.46464	0.54701	9.9799	1.75462	4.03E-01	4.24E-01	1.94E+00	1.29E-01	2.89E+00	3.97E-01	1.84E-05	2.12E-02	3.78E-03	4.22E-01	4.82E-01	4.24E-01	1.94E+00	1.29E-01	2.97E+00
1703	495161.06	3858901.99	2.40489	0.54209	9.9646	1.74823	3.93E-01	4.20E-01	1.93E+00	1.29E-01	2.87E+00	3.88E-01	1.82E-05	2.12E-02	3.76E-03	4.12E-01	4.71E-01	4.21E-01	1.93E+00	1.29E-01	2.95E+00
1704	495211.06	3858901.99	2.47641	0.54316	9.9821	1.76013	4.05E-01	4.21E-01	1.94E+00	1.30E-01	2.89E+00	3.99E-01	1.82E-05	2.12E-02	3.79E-03	4.24E-01	4.85E-01	4.21E-01	1.94E+00	1.30E-01	2.97E+00

1705	495261.06	3858901.99	2.48873	0.54199	9.953	1.76244	4.07E-01	4.20E-01	1.93E+00	1.30E-01	2.89E+00	4.01E-01	1.82E-05	2.12E-02	3.79E-03	4.26E-01	4.87E-01	4.20E-01	1.93E+00	1.30E-01	2.97E+00
1706	495311.06	3858901.99	2.47661	0.53951	9.9167	1.7619	4.05E-01	4.18E-01	1.92E+00	1.30E-01	2.88E+00	3.99E-01	1.81E-05	2.11E-02	3.79E-03	4.24E-01	4.85E-01	4.19E-01	1.92E+00	1.30E-01	2.96E+00
1707	495361.06	3858901.99	2.47483	0.53748	9.9124	1.75972	4.05E-01	4.17E-01	1.92E+00	1.30E-01	2.87E+00	3.99E-01	1.81E-05	2.11E-02	3.79E-03	4.24E-01	4.84E-01	4.17E-01	1.92E+00	1.30E-01	2.95E+00
1708	495411.06	3858901.99	2.49288	0.53763	9.9254	1.75468	4.08E-01	4.17E-01	1.92E+00	1.29E-01	2.88E+00	4.02E-01	1.81E-05	2.11E-02	3.78E-03	4.27E-01	4.88E-01	4.17E-01	1.92E+00	1.29E-01	2.96E+00
1709	495461.06	3858901.99	2.4679	0.53525	9.9044	1.74517	4.04E-01	4.15E-01	1.92E+00	1.28E-01	2.87E+00	3.98E-01	1.80E-05	2.11E-02	3.76E-03	4.22E-01	4.83E-01	4.15E-01	1.92E+00	1.28E-01	2.95E+00
1710	495511.06	3858901.99	2.41397	0.53134	9.8557	1.73258	3.95E-01	4.12E-01	1.91E+00	1.28E-01	2.85E+00	3.89E-01	1.78E-05	2.10E-02	3.73E-03	4.14E-01	4.72E-01	4.12E-01	1.91E+00	1.28E-01	2.92E+00
1711	495561.06	3858901.99	2.37478	0.52848	9.812	1.72479	3.88E-01	4.10E-01	1.90E+00	1.27E-01	2.83E+00	3.83E-01	1.78E-05	2.09E-02	3.71E-03	4.07E-01	4.65E-01	4.10E-01	1.90E+00	1.27E-01	2.90E+00
1712	495611.06	3858901.99	2.30898	0.52402	9.7489	1.70727	3.78E-01	4.06E-01	1.89E+00	1.26E-01	2.80E+00	3.72E-01	1.76E-05	2.07E-02	3.68E-03	3.96E-01	4.52E-01	4.07E-01	1.89E+00	1.26E-01	2.87E+00
1713	495661.06	3858901.99	2.31328	0.52363	9.7537	1.69438	3.78E-01	4.06E-01	1.89E+00	1.25E-01	2.80E+00	3.73E-01	1.76E-05	2.07E-02	3.65E-03	3.97E-01	4.53E-01	4.06E-01	1.89E+00	1.25E-01	2.87E+00
1714	494311.06	3858951.99	4.44673	0.73172	10.39	2.24814	7.27E-01	5.68E-01	2.01E+00	1.66E-01	3.48E+00	7.17E-01	2.46E-05	2.21E-02	4.84E-03	7.43E-01	8.70E-01	5.68E-01	2.01E+00	1.66E-01	3.62E+00
1715	494361.06	3858951.99	4.6058	0.74734	10.431	2.2756	7.53E-01	5.80E-01	2.02E+00	1.68E-01	3.52E+00	7.42E-01	2.51E-05	2.22E-02	4.90E-03	7.69E-01	9.01E-01	5.80E-01	2.02E+00	1.68E-01	3.67E+00
1716	494411.06	3858951.99	4.57636	0.73957	10.412	2.26219	7.49E-01	5.74E-01	2.02E+00	1.67E-01	3.51E+00	7.37E-01	2.48E-05	2.21E-02	4.87E-03	7.64E-01	8.96E-01	5.74E-01	2.02E+00	1.67E-01	3.65E+00
1717	494461.06	3858951.99	4.62445	0.7555	10.467	2.21209	7.56E-01	5.86E-01	2.03E+00	1.63E-01	3.53E+00	7.45E-01	2.54E-05	2.23E-02	4.76E-03	7.72E-01	9.05E-01	5.86E-01	2.03E+00	1.63E-01	3.68E+00
1718	494511.06	3858951.99	4.59024	0.75104	10.519	2.19643	7.51E-01	5.83E-01	2.04E+00	1.62E-01	3.53E+00	7.40E-01	2.52E-05	2.24E-02	4.73E-03	7.67E-01	8.98E-01	5.83E-01	2.04E+00	1.62E-01	3.68E+00
1719	494561.06	3858951.99	4.4796	0.73866	10.555	2.15901	7.33E-01	5.73E-01	2.05E+00	1.59E-01	3.51E+00	7.22E-01	2.48E-05	2.24E-02	4.65E-03	7.49E-01	8.77E-01	5.73E-01	2.05E+00	1.59E-01	3.66E+00
1720	494611.06	3858951.99	4.31242	0.71583	10.419	2.09041	7.05E-01	5.55E-01	2.02E+00	1.54E-01	3.43E+00	6.95E-01	2.40E-05	2.22E-02	4.50E-03	7.22E-01	8.44E-01	5.55E-01	2.02E+00	1.54E-01	3.57E+00
1721	494661.06	3858951.99	4.15149	0.69904	10.327	2.04391	6.79E-01	5.42E-01	2.00E+00	1.50E-01	3.37E+00	6.69E-01	2.35E-05	2.20E-02	4.40E-03	6.95E-01	8.12E-01	5.42E-01	2.00E+00	1.50E-01	3.51E+00
1722	494711.06	3858951.99	3.8938	0.68001	10.299	1.96893	6.37E-01	5.27E-01	2.00E+00	1.45E-01	3.31E+00	6.27E-01	2.28E-05	2.19E-02	4.24E-03	6.54E-01	7.62E-01	5.28E-01	2.00E+00	1.45E-01	3.43E+00
1723	494761.06	3858951.99	3.70994	0.6672	10.272	1.95067	6.07E-01	5.18E-01	1.99E+00	1.44E-01	3.26E+00	5.98E-01	2.24E-05	2.18E-02	4.20E-03	6.24E-01	7.26E-01	5.18E-01	1.99E+00	1.44E-01	3.38E+00
1724	494811.06	3858951.99	3.58677	0.65744	10.222	1.93657	5.87E-01	5.10E-01	1.98E+00	1.43E-01	3.22E+00	5.78E-01	2.21E-05	2.17E-02	4.17E-03	6.04E-01	7.02E-01	5.10E-01	1.98E+00	1.43E-01	3.34E+00
1725	494861.06	3858951.99	3.47562	0.64803	10.18	1.93197	5.68E-01	5.03E-01	1.97E+00	1.42E-01	3.19E+00	5.60E-01	2.18E-05	2.16E-02	4.16E-03	5.86E-01	6.80E-01	5.03E-01	1.97E+00	1.42E-01	3.30E+00
1726	494911.06	3858951.99	3.32648	0.63126	10.14	1.92197	5.44E-01	4.90E-01	1.97E+00	1.42E-01	3.14E+00	5.36E-01	2.12E-05	2.16E-02	4.14E-03	5.62E-01	6.51E-01	4.90E-01	1.97E+00	1.42E-01	3.25E+00
1727	494961.06	3858951.99	3.26499	0.62126	10.118	1.91057	5.34E-01	4.82E-01	1.96E+00	1.41E-01	3.12E+00	5.26E-01	2.09E-05	2.15E-02	4.11E-03	5.52E-01	6.39E-01	4.82E-01	1.96E+00	1.41E-01	3.22E+00
1728	495011.06	3858951.99	2.98571	0.5906	9.964	1.85196	4.88E-01	4.58E-01	1.93E+00	1.36E-01	3.01E+00	4.81E-01	1.98E-05	2.12E-02	3.99E-03	5.06E-01	5.84E-01	4.58E-01	1.93E+00	1.36E-01	3.11E+00
1729	495061.06	3858951.99	2.74801	0.57121	9.807	1.82414	4.49E-01	4.43E-01	1.90E+00	1.34E-01	2.93E+00	4.43E-01	1.92E-05	2.09E-02	3.93E-03	4.68E-01	5.38E-01	4.43E-01	1.90E+00	1.34E-01	3.02E+00
1730	495111.06	3858951.99	2.60055	0.55617	9.7114	1.79844	4.25E-01	4.31E-01	1.88E+00	1.32E-01	2.87E+00	4.19E-01	1.87E-05	2.06E-02	3.87E-03	4.44E-01	5.09E-01	4.31E-01	1.88E+00	1.32E-01	2.96E+00
1731	495161.06	3858951.99	2.70723	0.56172	9.7363	1.80456	4.43E-01	4.36E-01	1.89E+00	1.33E-01	2.90E+00	4.36E-01	1.89E-05	2.07E-02	3.88E-03	4.61E-01	5.30E-01	4.36E-01	1.89E+00	1.33E-01	2.99E+00
1732	495211.06	3858951.99	2.70672	0.56082	9.7287	1.80022	4.43E-01	4.35E-01	1.89E+00	1.33E-01	2.90E+00	4.36E-01	1.88E-05	2.07E-02	3.88E-03	4.61E-01	5.30E-01	4.35E-01	1.89E+00	1.33E-01	2.98E+00
1733	495261.06	3858951.99	2.71219	0.55995	9.7414	1.79629	4.44E-01	4.34E-01	1.89E+00	1.32E-01	2.90E+00	4.37E-01	1.88E-05	2.07E-02	3.87E-03	4.62E-01	5.31E-01	4.34E-01	1.89E+00	1.32E-01	2.99E+00
1734	495311.06	3858951.99	2.65123	0.55293	9.7008	1.78078	4.34E-01	4.29E-01	1.88E+00	1.31E-01	2.87E+00	4.27E-01	1.86E-05	2.06E-02	3.83E-03	4.52E-01	5.19E-01	4.29E-01	1.88E+00	1.31E-01	2.96E+00
1735	495361.06	3858951.99	2.6721	0.55365	9.7149	1.77388	4.37E-01	4.29E-01	1.88E+00	1.31E-01	2.88E+00	4.31E-01	1.86E-05	2.07E-02	3.82E-03	4.55E-01	5.23E-01	4.29E-01	1.88E+00	1.31E-01	2.97E+00
1736	495411.06	3858951.99	2.72077	0.55458	9.7605	1.7715	4.45E-01	4.30E-01	1.89E+00	1.30E-01	2.90E+00	4.38E-01	1.86E-05	2.08E-02	3.81E-03	4.63E-01	5.32E-01	4.30E-01	1.89E+00	1.30E-01	2.99E+00
1737	495461.06	3858951.99	2.69202	0.55207	9.7617	1.76549	4.40E-01	4.28E-01	1.89E+00	1.30E-01	2.89E+00	4.34E-01	1.85E-05	2.08E-02	3.80E-03	4.58E-01	5.27E-01	4.28E-01	1.89E+00	1.30E-01	2.98E+00
1738	495511.06	3858951.99	2.68534	0.5524	9.7283	1.76192	4.39E-01	4.28E-01	1.89E+00	1.30E-01	2.88E+00	4.33E-01	1.86E-05	2.07E-02	3.79E-03	4.57E-01	5.25E-01	4.29E-01	1.89E+00	1.30E-01	2.97E+00
1739	495561.06	3858951.99	2.58037	0.54149	9.6497	1.7232	4.22E-01	4.20E-01	1.87E+00	1.27E-01	2.84E+00	4.16E-01	1.82E-05	2.05E-02	3.71E-03	4.40E-01	5.05E-01	4.20E-01	1.87E+00	1.27E-01	2.92E+00
1740	495611.06	3858951.99	2.53129	0.536	9.5845	1.70756	4.14E-01	4.16E-01	1.86E+00	1.26E-01	2.81E+00	4.08E-01	1.80E-05	2.04E-02	3.68E-03	4.32E-01	4.95E-01	4.16E-01	1.86E+00	1.26E-01	2.90E+00
1741	495661.06	3858951.99	2.53946	0.53523	9.5544	1.69777	4.15E-01	4.15E-01	1.85E+00	1.25E-01	2.81E+00	4.09E-01	1.80E-05	2.03E-02	3.65E-03	4.33E-01	4.97E-01	4.15E-01	1.85E+00	1.25E-01	2.89E+00
1742	494311.06	3859001.99	4.95438	0.80193	10.101	2.30596	8.10E-01	6.22E-01	1.96E+00	1.70E-01	3.56E+00	7.98E-01	2.69E-05	2.15E-02	4.96E-03	8.25E-01	9.69E-01	6.22E-01	1.96E+00	1.70E-01	3.72E+00
1743	494361.06	3859001.99	4.9256	0.80265	10.087	2.2984	8.06E-01	6.23E-01	1.96E+00	1.69E-01	3.55E+00	7.94E-01	2.70E-05	2.14E-02	4.95E-03	8.20E-01	9.64E-01	6.23E-01	1.96E+00	1.69E-01	3.71E+00
1744	494411.06	3859001.99	4.8518	0.80964	10.15	2.29349	7.94E-01	6.28E-01	1.97E+00	1.69E-01	3.56E+00	7.82E-01	2.72E-05	2.16E-02	4.94E-03	8.08E-01	9.49E-01	6.28E-01	1.97E+00	1.69E-01	3.71E+00
1745	494461.06	3859001.99	4.82228	0.80578	10.216	2.3003	7.89E-01	6.25E-01	1.98E+00	1.69E-01	3.56E+00	7.77E-01	2.71E-05	2.17E-02	4.95E-03	8.04E-01	9.44E-01	6.25E-01	1.98E+00	1.69E-01	3.72E+00
1746	494511.06	3859001.99	4.8335	0.80246	10.248	2.30077	7.91E-01	6.22E-01	1.99E+00	1.69E-01	3.57E+00	7.79E-01	2.70E-05	2.18E-02	4.95E-03	8.06E-01	9.46E-01	6.23E-01	1.99E+00	1.69E-01	3.72E+00
1747	494561.06	3859001.99	4.7001	0.77853	10.149	2.22969	7.69E-01	6.04E-01	1.97E+00	1.64E-01	3.50E+00	7.57E-01	2.62E-05	2.16E-02	4.80E-03	7.84E-01	9.20E-01	6.04E-01	1.97E+00	1.64E-01	3.66E+00
1748	494611.06	3859001.99	4.57262	0.75963	10.014	2.15136	7.48E-01	5.89E-01	1.94E+00	1.58E-01	3.44E+00	7.37E-01	2.55E-05	2.13E-02	4.63E-03	7.63E-01	8.95E-01	5.89E-01	1.94E+00	1.58E-01	3.58E+00
1749	494661.06	3859001.99	4.39146	0.73592	9.9549	2.12243	7.18E-01	5.71E-01	1.93E+00	1.56E-01	3.38E+00	7.08E-01	2.47E-05	2.12E-02	4.57E-03	7.33E-01	8.59E-01	5.71E-01	1.93E+00	1.56E-01	3.52E+00
1750	494711.06	3859001.99	4.15945	0.70596	9.9337	2.0371	6.80E-01	5.48E-01	1.93E+00	1.50E-01	3.30E+00	6.70E-01	2.37E-05	2.11E-02	4.39E-03	6.96E-01	8.14E-01	5.48E-01	1.93E+00	1.50E-01	3.44E+00
1751	494761.06	3859001.99	4.03754	0.69266	9.9374	1.99728	6.60E-01	5.37E-01	1.93E+00	1.47E-01	3.27E+00	6.51E-01	2.33E-05	2.11E-02	4.30E-03	6.76E-01	7.90E-01	5.37E-01	1.93E+00	1.47E-01	3.40E+00
1752	494811.06	3859001.99	3.97704	0.68507	9.9543	1.96631	6.50E-01	5.31E-01	1.93E+00	1.45E-01	3.26E+00	6.41E-01	2.30E-05	2.12E-02	4.23E-03	6.66E-01	7.78E-01	5.31E-01	1.93E+00	1.45E-01	3.38E+00
1753	494861.06	3859001.99	3.79622	0.67407	9.9139	1.91703	6.21E-01	5.23E-01	1.92E+00	1.41E-01	3.21E+00	6.12E-01	2.26E-05	2.11E-02	4.13E-03	6.37E-01	7.43E-01	5.23E-01	1.92E+00	1.41E-01	3.33E+00
1754	494911.06	3859001.99	3.61811	0.66281	9.7806	1.9134	5.92E-01	5.14E-01	1.90E+00	1.41E-01	3.14E+00	5.83E-01	2.23E-05	2.08E-02	4.12E-03	6.08E-01	7.08E-01	5.14E-01	1.90E+00	1.41E-01	3.26E+00
1755	494961.06	3859001.99	3.45137	0.64876	9.7017	1.90992	5.65E-01	5.03E-01	1.88E+00	1.41E-01	3.09E+00	5.56E-01	2.18E-05	2.06E-02	4.11E-03	5.81E-01	6.75E-01	5.03E-01	1.88E+00	1.41E-01	3.20E+00
1756	495011.06	3859001.99	3.02508	0.59877	9.6016	1.84893	4.95E-01	4.64E-01	1.86E+00	1.36E-01	2.96E+00	4.87E-01	2.01E-05	2.04E-02	3.98E-03	5.12E-01	5.92E-01	4.64E-01	1.86E+00	1.36E-01	3.05E+00
1757	495061.06	3859001.99	2.95764	0.58982	9.6154	1.82273	4.84E-01	4.58E-01	1.86E+00	1.34E-01	2.94E+00	4.77E-01	1.98E-05	2.04E-02	3.92E-03	5.01E-01	5.79E-01	4.58E-01	1.86E+00	1.34E-01	3.03E+00
1758	495111.06	3859001.99	2.79106	0.57405	9.5778	1.77077	4.57E-01	4.45E-01	1.86E+00	1.30E-01	2.89E+00	4.50E-01	1.93E-05	2.04E-02	3.81E-03	4.74E-01	5.46E-01	4.45E-01	1.86E+00	1.30E-01	2.98E+00
1759	495161.06	3859001.99	2.9422	0.5889	9.6783	1.81261	4.81E-01	4.57E-01	1.88E+00	1.33E-01	2.95E+00	4.74E-01	1.98E-05	2.06E-02	3.90E-03	4.99E-01	5.76E-01	4.57E-01	1.88E+00	1.33E-01	3.04E+00
1760	495211.06	3859001.99	2.93866	0.58584	9.7	1.81335	4.81E-01	4.54E-01	1.88E+00	1.34E-01	2.95E+00	4.74E-01	1.97E-05	2.06E-02	3.90E-03	4.98E-01	5.75E-01	4.54E-01	1.88E+00	1.34E-01	3.04E+00
1761	495261.06	3859001.99	2.96752	0.58645	9.6991	1.82121	4.85E-01	4.55E-01	1.88E+00	1.34E-01	2.96E+00	4.78E-01	1.97E-05	2.06E-02	3.92E-03	5.03E-01	5.81E-01	4.55E-01	1.88E+00	1.34E-01	3.05E+00
1762	495311.06	3859001.99	2.93151	0.58036	9.5972	1.81581	4.79E-01	4.50E-01	1.86E+00	1.34E-01	2.92E+00	4.72E-01	1.95E-05	2.04E-02	3.91E-03	4.97E-01	5.74E-01	4.50E-01	1.86E+00	1.34E-01	3.02E+00
1763	495361.06	3859001.99	2.92169	0.57977	9.5526	1.81534	4.78E-01	4.50E-01	1.85E+00	1.34E-01	2.91E+00	4.71E-01	1.95E-05	2.03E-02	3.91E-03	4.95E-01	5.72E-01	4.50E-01	1.85E+00	1.34E-01	3.01E+00
1764	495411.06	3859001.99	2.92507	0.57583	9.5027	1.81065	4.78E-01	4.47E-01	1.84E+00	1.33E-01	2.90E+00	4.71E-01	1.93E-05	2.02E-02	3.90E-03	4.95E-01	5.72E-01	4.47E-01	1.84E+00	1.33E-01	3.00E+00
1765	495461.06	3859001.99	2.93865	0.57528	9.4646	1.80766	4.81E-01	4.46E-01	1.84E+00	1.33E-01	2.90E+00	4.74E-01	1.93E-05	2.01E-02	3.89E-03	4.98E-01	5.75E-01	4.46E-01	1.84E+00	1.33E-01	2.99E+00

1766	495511.06	3859001.99	2.86092	0.566	9.3799	1.7869	4.68E-01	4.39E-01	1.82E+00	1.32E-01	2.86E+00	4.61E-01	1.90E-05	1.99E-02	3.85E-03	4.85E-01	5.60E-01	4.39E-01	1.82E+00	1.32E-01	2.95E+00
1767	495561.06	3859001.99	2.83388	0.56107	9.312	1.77519	4.64E-01	4.35E-01	1.81E+00	1.31E-01	2.84E+00	4.57E-01	1.88E-05	1.98E-02	3.82E-03	4.80E-01	5.55E-01	4.35E-01	1.81E+00	1.31E-01	2.93E+00
1768	495611.06	3859001.99	2.76806	0.55649	9.2728	1.76164	4.53E-01	4.32E-01	1.80E+00	1.30E-01	2.81E+00	4.46E-01	1.87E-05	1.97E-02	3.79E-03	4.70E-01	5.42E-01	4.32E-01	1.80E+00	1.30E-01	2.90E+00
1769	495661.06	3859001.99	2.79288	0.55922	9.3098	1.77026	4.57E-01	4.34E-01	1.81E+00	1.30E-01	2.83E+00	4.50E-01	1.88E-05	1.98E-02	3.81E-03	4.74E-01	5.47E-01	4.34E-01	1.81E+00	1.30E-01	2.92E+00
1770	494311.06	3859051.99	5.33334	0.88447	10.757	2.35773	8.72E-01	6.86E-01	2.09E+00	1.74E-01	3.82E+00	8.59E-01	2.97E-05	2.29E-02	5.08E-03	8.87E-01	1.04E+00	6.86E-01	2.09E+00	1.74E-01	3.99E+00
1771	494361.06	3859051.99	5.34164	0.9034	10.191	2.32716	8.74E-01	7.01E-01	1.98E+00	1.71E-01	3.72E+00	8.61E-01	3.03E-05	2.17E-02	5.01E-03	8.87E-01	1.05E+00	7.01E-01	1.98E+00	1.71E-01	3.89E+00
1772	494411.06	3859051.99	5.23316	0.89264	10.114	2.31677	8.56E-01	6.92E-01	1.96E+00	1.71E-01	3.68E+00	8.43E-01	3.00E-05	2.15E-02	4.99E-03	8.70E-01	1.02E+00	6.92E-01	1.96E+00	1.71E-01	3.85E+00
1773	494461.06	3859051.99	5.13811	0.87415	9.8899	2.30443	8.40E-01	6.78E-01	1.92E+00	1.70E-01	3.61E+00	8.28E-01	2.94E-05	2.10E-02	4.96E-03	8.54E-01	1.01E+00	6.78E-01	1.92E+00	1.70E-01	3.77E+00
1774	494511.06	3859051.99	4.98426	0.84507	9.6499	2.2916	8.15E-01	6.56E-01	1.87E+00	1.69E-01	3.51E+00	8.03E-01	2.84E-05	2.05E-02	4.93E-03	8.29E-01	9.75E-01	6.56E-01	1.87E+00	1.69E-01	3.67E+00
1775	494561.06	3859051.99	4.83992	0.82028	9.5574	2.27545	7.92E-01	6.36E-01	1.85E+00	1.68E-01	3.45E+00	7.80E-01	2.76E-05	2.03E-02	4.90E-03	8.05E-01	9.47E-01	6.36E-01	1.85E+00	1.68E-01	3.60E+00
1776	494611.06	3859051.99	4.68705	0.7868	9.5036	2.20881	7.67E-01	6.10E-01	1.84E+00	1.63E-01	3.38E+00	7.55E-01	2.64E-05	2.02E-02	4.76E-03	7.80E-01	9.17E-01	6.10E-01	1.84E+00	1.63E-01	3.53E+00
1777	494661.06	3859051.99	4.56915	0.75929	9.4962	2.15438	7.47E-01	5.89E-01	1.84E+00	1.59E-01	3.34E+00	7.36E-01	2.55E-05	2.02E-02	4.64E-03	7.61E-01	8.94E-01	5.89E-01	1.84E+00	1.59E-01	3.48E+00
1778	494711.06	3859051.99	4.4465	0.74479	9.5161	2.11729	7.27E-01	5.78E-01	1.85E+00	1.56E-01	3.31E+00	7.16E-01	2.50E-05	2.02E-02	4.56E-03	7.41E-01	8.70E-01	5.78E-01	1.85E+00	1.56E-01	3.45E+00
1779	494761.06	3859051.99	4.32312	0.72537	9.5284	2.08889	7.07E-01	5.63E-01	1.85E+00	1.54E-01	3.27E+00	6.97E-01	2.44E-05	2.03E-02	4.50E-03	7.21E-01	8.46E-01	5.63E-01	1.85E+00	1.54E-01	3.41E+00
1780	494811.06	3859051.99	4.20748	0.71531	9.5578	2.06155	6.88E-01	5.55E-01	1.85E+00	1.52E-01	3.25E+00	6.78E-01	2.40E-05	2.03E-02	4.44E-03	7.03E-01	8.23E-01	5.55E-01	1.85E+00	1.52E-01	3.38E+00
1781	494861.06	3859051.99	4.09626	0.69676	9.4512	2.02394	6.70E-01	5.40E-01	1.83E+00	1.49E-01	3.19E+00	6.60E-01	2.34E-05	2.01E-02	4.36E-03	6.85E-01	8.02E-01	5.41E-01	1.83E+00	1.49E-01	3.32E+00
1782	494911.06	3859051.99	3.91864	0.68006	9.3651	1.94866	6.41E-01	5.28E-01	1.82E+00	1.43E-01	3.13E+00	6.31E-01	2.28E-05	1.99E-02	4.19E-03	6.56E-01	7.67E-01	5.28E-01	1.82E+00	1.43E-01	3.25E+00
1783	494961.06	3859051.99	3.63349	0.64879	9.2839	1.89654	5.94E-01	5.03E-01	1.80E+00	1.40E-01	3.04E+00	5.85E-01	2.18E-05	1.97E-02	4.08E-03	6.09E-01	7.11E-01	5.03E-01	1.80E+00	1.40E-01	3.15E+00
1784	495011.06	3859051.99	3.38222	0.62747	9.2501	1.88456	5.53E-01	4.87E-01	1.79E+00	1.39E-01	2.97E+00	5.45E-01	2.11E-05	1.97E-02	4.06E-03	5.69E-01	6.62E-01	4.87E-01	1.79E+00	1.39E-01	3.08E+00
1785	495061.06	3859051.99	3.22939	0.61543	9.2743	1.87929	5.28E-01	4.77E-01	1.80E+00	1.38E-01	2.94E+00	5.20E-01	2.07E-05	1.97E-02	4.05E-03	5.44E-01	6.32E-01	4.77E-01	1.80E+00	1.38E-01	3.05E+00
1786	495111.06	3859051.99	3.16233	0.60897	9.2833	1.87124	5.17E-01	4.72E-01	1.80E+00	1.38E-01	2.93E+00	5.10E-01	2.05E-05	1.97E-02	4.03E-03	5.33E-01	6.19E-01	4.72E-01	1.80E+00	1.38E-01	3.03E+00
1787	495161.06	3859051.99	3.24892	0.61787	9.2703	1.87599	5.31E-01	4.79E-01	1.80E+00	1.38E-01	2.95E+00	5.24E-01	2.08E-05	1.97E-02	4.04E-03	5.47E-01	6.36E-01	4.79E-01	1.80E+00	1.38E-01	3.05E+00
1788	495211.06	3859051.99	3.18706	0.61055	9.2134	1.86577	5.21E-01	4.74E-01	1.79E+00	1.37E-01	2.92E+00	5.14E-01	2.05E-05	1.96E-02	4.02E-03	5.37E-01	6.24E-01	4.74E-01	1.79E+00	1.37E-01	3.02E+00
1789	495261.06	3859051.99	3.22901	0.61507	9.2159	1.86187	5.28E-01	4.77E-01	1.79E+00	1.37E-01	2.93E+00	5.20E-01	2.07E-05	1.96E-02	4.01E-03	5.44E-01	6.32E-01	4.77E-01	1.79E+00	1.37E-01	3.03E+00
1790	495311.06	3859051.99	3.17764	0.61089	9.2487	1.84967	5.20E-01	4.74E-01	1.79E+00	1.36E-01	2.92E+00	5.12E-01	2.05E-05	1.97E-02	3.98E-03	5.36E-01	6.22E-01	4.74E-01	1.79E+00	1.36E-01	3.03E+00
1791	495361.06	3859051.99	3.17896	0.61025	9.2841	1.84792	5.20E-01	4.73E-01	1.80E+00	1.36E-01	2.93E+00	5.12E-01	2.05E-05	1.97E-02	3.98E-03	5.36E-01	6.22E-01	4.73E-01	1.80E+00	1.36E-01	3.03E+00
1792	495411.06	3859051.99	3.19719	0.6119	9.3206	1.85224	5.23E-01	4.75E-01	1.81E+00	1.36E-01	2.94E+00	5.15E-01	2.06E-05	1.98E-02	3.99E-03	5.39E-01	6.26E-01	4.75E-01	1.81E+00	1.36E-01	3.04E+00
1793	495461.06	3859051.99	3.20142	0.61308	9.3536	1.85585	5.24E-01	4.76E-01	1.81E+00	1.37E-01	2.95E+00	5.16E-01	2.06E-05	1.99E-02	4.00E-03	5.40E-01	6.26E-01	4.76E-01	1.81E+00	1.37E-01	3.05E+00
1794	495511.06	3859051.99	3.11065	0.60411	9.3503	1.84958	5.09E-01	4.69E-01	1.81E+00	1.36E-01	2.93E+00	5.01E-01	2.03E-05	1.99E-02	3.98E-03	5.25E-01	6.09E-01	4.69E-01	1.81E+00	1.36E-01	3.03E+00
1795	495561.06	3859051.99	3.04639	0.5969	9.3534	1.82758	4.98E-01	4.63E-01	1.81E+00	1.35E-01	2.91E+00	4.91E-01	2.01E-05	1.99E-02	3.93E-03	5.15E-01	5.96E-01	4.63E-01	1.81E+00	1.35E-01	3.01E+00
1796	495611.06	3859051.99	3.00188	0.59069	9.3417	1.79863	4.91E-01	4.58E-01	1.81E+00	1.32E-01	2.89E+00	4.84E-01	1.98E-05	1.99E-02	3.87E-03	5.07E-01	5.87E-01	4.58E-01	1.81E+00	1.32E-01	2.99E+00
1797	495661.06	3859051.99	3.06759	0.59653	9.3214	1.81235	5.02E-01	4.63E-01	1.81E+00	1.33E-01	2.91E+00	4.94E-01	2.00E-05	1.98E-02	3.90E-03	5.18E-01	6.00E-01	4.63E-01	1.81E+00	1.33E-01	3.00E+00
1798	494311.06	3859101.99	5.5318	0.99177	10.946	2.39946	9.05E-01	7.69E-01	2.12E+00	1.77E-01	3.97E+00	8.91E-01	3.33E-05	2.33E-02	5.17E-03	9.20E-01	1.08E+00	7.69E-01	2.12E+00	1.77E-01	4.15E+00
1799	494361.06	3859101.99	5.49807	0.977	10.712	2.38474	8.99E-01	7.58E-01	2.08E+00	1.76E-01	3.91E+00	8.86E-01	3.28E-05	2.28E-02	5.13E-03	9.14E-01	1.08E+00	7.58E-01	2.08E+00	1.76E-01	4.09E+00
1800	494411.06	3859101.99	5.50713	0.96966	10.447	2.37383	9.01E-01	7.52E-01	2.03E+00	1.75E-01	3.85E+00	8.87E-01	3.26E-05	2.22E-02	5.11E-03	9.15E-01	1.08E+00	7.52E-01	2.03E+00	1.75E-01	4.03E+00
1801	494461.06	3859101.99	5.45991	0.94915	10.195	2.35662	8.93E-01	7.36E-01	1.98E+00	1.74E-01	3.78E+00	8.80E-01	3.19E-05	2.17E-02	5.07E-03	9.07E-01	1.07E+00	7.36E-01	1.98E+00	1.74E-01	3.96E+00
1802	494511.06	3859101.99	5.30573	0.91795	9.9596	2.34291	8.68E-01	7.12E-01	1.93E+00	1.72E-01	3.68E+00	8.55E-01	3.08E-05	2.12E-02	5.04E-03	8.81E-01	1.04E+00	7.12E-01	1.93E+00	1.72E-01	3.85E+00
1803	494561.06	3859101.99	5.17712	0.89234	9.8219	2.33913	8.47E-01	6.92E-01	1.90E+00	1.72E-01	3.62E+00	8.34E-01	3.00E-05	2.09E-02	5.04E-03	8.60E-01	1.01E+00	6.92E-01	1.90E+00	1.72E-01	3.78E+00
1804	494611.06	3859101.99	4.97798	0.84868	9.7374	2.30822	8.14E-01	6.58E-01	1.89E+00	1.70E-01	3.53E+00	8.02E-01	2.85E-05	2.07E-02	4.97E-03	8.28E-01	9.74E-01	6.58E-01	1.89E+00	1.70E-01	3.69E+00
1805	494661.06	3859101.99	4.82057	0.82297	9.6259	2.26491	7.88E-01	6.38E-01	1.87E+00	1.67E-01	3.46E+00	7.77E-01	2.76E-05	2.05E-02	4.88E-03	8.02E-01	9.43E-01	6.38E-01	1.87E+00	1.67E-01	3.61E+00
1806	494711.06	3859101.99	4.58265	0.7747	9.2595	2.17824	7.50E-01	6.01E-01	1.80E+00	1.60E-01	3.31E+00	7.38E-01	2.60E-05	1.97E-02	4.69E-03	7.63E-01	8.97E-01	6.01E-01	1.80E+00	1.60E-01	3.45E+00
1807	494761.06	3859101.99	4.51589	0.76825	9.0442	2.17252	7.39E-01	5.96E-01	1.75E+00	1.60E-01	3.25E+00	7.28E-01	2.58E-05	1.92E-02	4.68E-03	7.52E-01	8.84E-01	5.96E-01	1.75E+00	1.60E-01	3.39E+00
1808	494811.06	3859101.99	4.40796	0.75214	9.009	2.12288	7.21E-01	5.83E-01	1.75E+00	1.56E-01	3.21E+00	7.10E-01	2.53E-05	1.92E-02	4.57E-03	7.34E-01	8.63E-01	5.83E-01	1.75E+00	1.56E-01	3.35E+00
1809	494861.06	3859101.99	4.31117	0.73956	8.9796	2.07712	7.05E-01	5.74E-01	1.74E+00	1.53E-01	3.17E+00	6.95E-01	2.48E-05	1.91E-02	4.47E-03	7.18E-01	8.44E-01	5.74E-01	1.74E+00	1.53E-01	3.31E+00
1810	494911.06	3859101.99	4.15195	0.70637	8.9245	2.01398	6.79E-01	5.48E-01	1.73E+00	1.48E-01	3.11E+00	6.69E-01	2.37E-05	1.90E-02	4.34E-03	6.92E-01	8.12E-01	5.48E-01	1.73E+00	1.48E-01	3.24E+00
1811	494961.06	3859101.99	3.83507	0.67818	8.8164	1.91218	6.27E-01	5.26E-01	1.71E+00	1.41E-01	3.00E+00	6.18E-01	2.28E-05	1.87E-02	4.12E-03	6.41E-01	7.50E-01	5.26E-01	1.71E+00	1.41E-01	3.13E+00
1812	495011.06	3859101.99	3.50168	0.6386	8.7273	1.87092	5.73E-01	4.95E-01	1.69E+00	1.38E-01	2.90E+00	5.64E-01	2.15E-05	1.86E-02	4.03E-03	5.87E-01	6.85E-01	4.95E-01	1.69E+00	1.38E-01	3.01E+00
1813	495061.06	3859101.99	3.56532	0.64324	8.7549	1.87322	5.83E-01	4.99E-01	1.70E+00	1.38E-01	2.92E+00	5.74E-01	2.16E-05	1.86E-02	4.03E-03	5.97E-01	6.98E-01	4.99E-01	1.70E+00	1.38E-01	3.03E+00
1814	495111.06	3859101.99	3.47884	0.63366	8.7445	1.87131	5.69E-01	4.92E-01	1.70E+00	1.38E-01	2.89E+00	5.61E-01	2.13E-05	1.86E-02	4.03E-03	5.83E-01	6.81E-01	4.92E-01	1.70E+00	1.38E-01	3.01E+00
1815	495161.06	3859101.99	3.52407	0.64599	8.7775	1.87926	5.76E-01	5.01E-01	1.70E+00	1.38E-01	2.92E+00	5.68E-01	2.17E-05	1.87E-02	4.05E-03	5.91E-01	6.90E-01	5.01E-01	1.70E+00	1.38E-01	3.03E+00
1816	495211.06	3859101.99	3.43569	0.63736	8.7678	1.85794	5.62E-01	4.94E-01	1.70E+00	1.37E-01	2.89E+00	5.54E-01	2.14E-05	1.86E-02	4.00E-03	5.76E-01	6.72E-01	4.94E-01	1.70E+00	1.37E-01	3.00E+00
1817	495261.06	3859101.99	3.46729	0.64217	8.7841	1.85148	5.67E-01	4.98E-01	1.70E+00	1.36E-01	2.90E+00	5.59E-01	2.16E-05	1.87E-02	3.99E-03	5.81E-01	6.78E-01	4.98E-01	1.70E+00	1.36E-01	3.02E+00
1818	495311.06	3859101.99	3.4626	0.63374	8.8061	1.85807	5.66E-01	4.92E-01	1.71E+00	1.37E-01	2.90E+00	5.58E-01	2.13E-05	1.87E-02	4.00E-03	5.81E-01	6.78E-01	4.92E-01	1.71E+00	1.37E-01	3.01E+00
1819	495361.06	3859101.99	3.49701	0.64591	8.8539	1.86243	5.72E-01	5.01E-01	1.72E+00	1.37E-01	2.93E+00	5.63E-01	2.17E-05	1.88E-02	4.01E-03	5.86E-01	6.84E-01	5.01E-01	1.72E+00	1.37E-01	3.04E+00
1820	495411.06	3859101.99	3.47535	0.64654	8.9176	1.86803	5.68E-01	5.02E-01	1.73E+00	1.38E-01	2.94E+00	5.60E-01	2.17E-05	1.90E-02	4.02E-03	5.83E-01	6.80E-01	5.02E-01	1.73E+00	1.38E-01	3.05E+00
1821	495461.06	3859101.99	3.42846	0.63357	8.981	1.87386	5.61E-01	4.91E-01	1.74E+00	1.38E-01	2.93E+00	5.52E-01	2.13E-05	1.91E-02	4.03E-03	5.76E-01	6.71E-01	4.91E-01	1.74E+00	1.38E-01	3.04E+00
1822	495511.06	3859101.99	3.41284	0.63105	8.959	1.87745	5.58E-01	4.90E-01	1.74E+00	1.38E-01	2.92E+00	5.50E-01	2.12E-05	1.90E-02	4.04E-03	5.73E-01	6.68E-01	4.90E-01	1.74E+00	1.38E-01	3.03E+00
1823	495561.06	3859101.99	3.32688	0.62889	8.8833	1.86396	5.44E-01	4.88E-01	1.72E+00	1.37E-01	2.89E+00	5.36E-01	2.11E-05	1.89E-02	4.01E-03	5.59E-01	6.51E-01	4.88E-01	1.72E+00	1.37E-01	3.00E+00
1824	495611.06	3859101.99	3.25098	0.61913	8.8427	1.84166	5.32E-01	4.80E-01	1.71E+00	1.36E-01	2.86E+00	5.24E-01	2.08E-05	1.88E-02	3.96E-03	5.47E-01	6.36E-01	4.80E-01	1.71E+00	1.36E-01	2.97E+00
1825	495661.06	3859101.99	3.27522	0.62181	8.9109	1.84076	5.36E-01	4.82E-01	1.73E+00	1.36E-01	2.88E+00	5.28E-01	2.09E-05	1.89E-02	3.96E-03	5.51E-01	6.41E-01	4.82E-01	1.73E+00	1.36E-01	2.99E+00
1826	494311.06	3859151.99	5.87185	1.07758	10.035	2.4417	9.60E-01	8.36E-01	1.95E+00	1.80E-01	3.92E+00	9.46E-01	3.62E-05	2.13E-02	5.26E-03	9.73E-01	1.15E+00	8.36E-01	1.95E+00	1.80E-01	4.11E+00

1827	494361.06	3859151.99	5.76326	1.07574	10.336	2.42821	9.43E-01	8.34E-01	2.00E+00	1.79E-01	3.96E+00	9.29E-01	3.61E-05	2.20E-02	5.23E-03	9.56E-01	1.13E+00	8.34E-01	2.00E+00	1.79E-01	4.15E+00
1828	494411.06	3859151.99	5.633	1.04958	10.667	2.40614	9.21E-01	8.14E-01	2.07E+00	1.77E-01	3.98E+00	9.08E-01	3.53E-05	2.27E-02	5.18E-03	9.36E-01	1.10E+00	8.14E-01	2.07E+00	1.77E-01	4.16E+00
1829	494461.06	3859151.99	5.52918	1.02258	10.878	2.38889	9.04E-01	7.93E-01	2.11E+00	1.76E-01	3.98E+00	8.91E-01	3.44E-05	2.31E-02	5.14E-03	9.19E-01	1.08E+00	7.93E-01	2.11E+00	1.76E-01	4.16E+00
1830	494511.06	3859151.99	5.4126	0.97992	10.805	2.3596	8.85E-01	7.60E-01	2.10E+00	1.74E-01	3.91E+00	8.72E-01	3.29E-05	2.30E-02	5.08E-03	9.00E-01	1.06E+00	7.60E-01	2.10E+00	1.74E-01	4.09E+00
1831	494561.06	3859151.99	5.37769	0.96054	10.606	2.34134	8.80E-01	7.45E-01	2.06E+00	1.72E-01	3.85E+00	8.67E-01	3.23E-05	2.26E-02	5.04E-03	8.94E-01	1.05E+00	7.45E-01	2.06E+00	1.72E-01	4.03E+00
1832	494611.06	3859151.99	5.27312	0.92229	10.241	2.30979	8.62E-01	7.15E-01	1.99E+00	1.70E-01	3.73E+00	8.50E-01	3.10E-05	2.18E-02	4.97E-03	8.76E-01	1.03E+00	7.15E-01	1.99E+00	1.70E-01	3.90E+00
1833	494661.06	3859151.99	5.15798	0.90089	9.9408	2.28989	8.44E-01	6.99E-01	1.93E+00	1.69E-01	3.64E+00	8.31E-01	3.03E-05	2.11E-02	4.93E-03	8.57E-01	1.01E+00	6.99E-01	1.93E+00	1.69E-01	3.80E+00
1834	494711.06	3859151.99	5.06791	0.88267	9.6812	2.27714	8.29E-01	6.85E-01	1.88E+00	1.68E-01	3.56E+00	8.17E-01	2.97E-05	2.06E-02	4.90E-03	8.42E-01	9.92E-01	6.85E-01	1.88E+00	1.68E-01	3.72E+00
1835	494761.06	3859151.99	4.85537	0.8379	9.4046	2.2429	7.94E-01	6.50E-01	1.82E+00	1.65E-01	3.43E+00	7.82E-01	2.81E-05	2.00E-02	4.83E-03	8.07E-01	9.50E-01	6.50E-01	1.82E+00	1.65E-01	3.59E+00
1836	494811.06	3859151.99	4.65068	0.79896	9.3467	2.20491	7.61E-01	6.20E-01	1.81E+00	1.62E-01	3.36E+00	7.49E-01	2.68E-05	1.99E-02	4.75E-03	7.74E-01	9.10E-01	6.20E-01	1.81E+00	1.62E-01	3.50E+00
1837	494861.06	3859151.99	4.52881	0.78094	9.3052	2.16641	7.41E-01	6.06E-01	1.80E+00	1.60E-01	3.31E+00	7.30E-01	2.62E-05	1.98E-02	4.66E-03	7.54E-01	8.86E-01	6.06E-01	1.80E+00	1.60E-01	3.46E+00
1838	494911.06	3859151.99	4.30722	0.75038	9.0234	2.08643	7.04E-01	5.82E-01	1.75E+00	1.54E-01	3.19E+00	6.94E-01	2.52E-05	1.92E-02	4.49E-03	7.18E-01	8.43E-01	5.82E-01	1.75E+00	1.54E-01	3.33E+00
1839	494961.06	3859151.99	4.04838	0.69422	8.6677	1.97837	6.62E-01	5.39E-01	1.68E+00	1.46E-01	3.03E+00	6.52E-01	2.33E-05	1.84E-02	4.26E-03	6.75E-01	7.92E-01	5.39E-01	1.68E+00	1.46E-01	3.16E+00
1840	495011.06	3859151.99	3.78858	0.67084	8.5062	1.88967	6.20E-01	5.20E-01	1.65E+00	1.39E-01	2.93E+00	6.10E-01	2.25E-05	1.81E-02	4.07E-03	6.33E-01	7.41E-01	5.20E-01	1.65E+00	1.39E-01	3.05E+00
1841	495061.06	3859151.99	3.76977	0.67091	8.4481	1.88948	6.17E-01	5.20E-01	1.64E+00	1.39E-01	2.91E+00	6.07E-01	2.25E-05	1.80E-02	4.07E-03	6.29E-01	7.38E-01	5.20E-01	1.64E+00	1.39E-01	3.04E+00
1842	495111.06	3859151.99	3.72968	0.66694	8.4135	1.88097	6.10E-01	5.17E-01	1.63E+00	1.38E-01	2.90E+00	6.01E-01	2.24E-05	1.79E-02	4.05E-03	6.23E-01	7.30E-01	5.17E-01	1.63E+00	1.38E-01	3.02E+00
1843	495161.06	3859151.99	3.83711	0.67829	8.4585	1.91518	6.28E-01	5.26E-01	1.64E+00	1.41E-01	2.93E+00	6.18E-01	2.28E-05	1.80E-02	4.12E-03	6.40E-01	7.51E-01	5.26E-01	1.64E+00	1.41E-01	3.06E+00
1844	495211.06	3859151.99	3.838	0.6764	8.4614	1.90557	6.28E-01	5.25E-01	1.64E+00	1.40E-01	2.93E+00	6.18E-01	2.27E-05	1.80E-02	4.10E-03	6.41E-01	7.51E-01	5.25E-01	1.64E+00	1.40E-01	3.06E+00
1845	495261.06	3859151.99	3.81283	0.67441	8.4141	1.89476	6.24E-01	5.23E-01	1.63E+00	1.40E-01	2.92E+00	6.14E-01	2.27E-05	1.79E-02	4.08E-03	6.36E-01	7.46E-01	5.23E-01	1.63E+00	1.40E-01	3.04E+00
1846	495311.06	3859151.99	3.73995	0.67427	8.3879	1.8945	6.12E-01	5.23E-01	1.63E+00	1.39E-01	2.90E+00	6.03E-01	2.26E-05	1.78E-02	4.08E-03	6.25E-01	7.32E-01	5.23E-01	1.63E+00	1.39E-01	3.02E+00
1847	495361.06	3859151.99	3.7137	0.67365	8.4048	1.89897	6.07E-01	5.23E-01	1.63E+00	1.40E-01	2.90E+00	5.98E-01	2.26E-05	1.79E-02	4.09E-03	6.20E-01	7.27E-01	5.23E-01	1.63E+00	1.40E-01	3.02E+00
1848	495411.06	3859151.99	3.77041	0.68354	8.4564	1.93732	6.17E-01	5.30E-01	1.64E+00	1.43E-01	2.93E+00	6.08E-01	2.30E-05	1.80E-02	4.17E-03	6.30E-01	7.38E-01	5.30E-01	1.64E+00	1.43E-01	3.05E+00
1849	495461.06	3859151.99	3.75482	0.68312	8.4721	1.94293	6.14E-01	5.30E-01	1.64E+00	1.43E-01	2.93E+00	6.05E-01	2.29E-05	1.80E-02	4.18E-03	6.27E-01	7.35E-01	5.30E-01	1.64E+00	1.43E-01	3.05E+00
1850	495511.06	3859151.99	3.67714	0.67309	8.4033	1.90096	6.01E-01	5.22E-01	1.63E+00	1.40E-01	2.89E+00	5.93E-01	2.26E-05	1.79E-02	4.09E-03	6.14E-01	7.20E-01	5.22E-01	1.63E+00	1.40E-01	3.01E+00
1851	495561.06	3859151.99	3.58279	0.66613	8.3957	1.89194	5.86E-01	5.17E-01	1.63E+00	1.39E-01	2.87E+00	5.77E-01	2.24E-05	1.79E-02	4.07E-03	5.99E-01	7.01E-01	5.17E-01	1.63E+00	1.39E-01	2.99E+00
1852	495611.06	3859151.99	3.54629	0.66082	8.3908	1.89202	5.80E-01	5.13E-01	1.63E+00	1.39E-01	2.86E+00	5.71E-01	2.22E-05	1.78E-02	4.07E-03	5.93E-01	6.94E-01	5.13E-01	1.63E+00	1.39E-01	2.97E+00
1853	495661.06	3859151.99	3.52112	0.65696	8.4043	1.89066	5.76E-01	5.10E-01	1.63E+00	1.39E-01	2.85E+00	5.67E-01	2.21E-05	1.79E-02	4.07E-03	5.89E-01	6.89E-01	5.10E-01	1.63E+00	1.39E-01	2.97E+00
1854	494311.06	3859201.99	6.12866	1.16529	9.4153	2.43235	1.00E+00	9.04E-01	1.83E+00	1.79E-01	3.91E+00	9.88E-01	3.91E-05	2.00E-02	5.24E-03	1.01E+00	1.20E+00	9.04E-01	1.83E+00	1.79E-01	4.11E+00
1855	494361.06	3859201.99	6.09106	1.15475	9.456	2.42429	9.96E-01	8.96E-01	1.83E+00	1.78E-01	3.90E+00	9.81E-01	3.88E-05	2.01E-02	5.22E-03	1.01E+00	1.19E+00	8.96E-01	1.83E+00	1.78E-01	4.10E+00
1856	494411.06	3859201.99	5.98866	1.13389	9.4608	2.41164	9.80E-01	8.80E-01	1.83E+00	1.78E-01	3.87E+00	9.65E-01	3.81E-05	2.01E-02	5.19E-03	9.90E-01	1.17E+00	8.80E-01	1.83E+00	1.78E-01	4.06E+00
1857	494461.06	3859201.99	5.78673	1.0959	9.4437	2.39133	9.46E-01	8.50E-01	1.83E+00	1.76E-01	3.80E+00	9.32E-01	3.68E-05	2.01E-02	5.15E-03	9.58E-01	1.13E+00	8.50E-01	1.83E+00	1.76E-01	3.99E+00
1858	494511.06	3859201.99	5.62685	1.07099	9.4238	2.37636	9.20E-01	8.31E-01	1.83E+00	1.75E-01	3.75E+00	9.07E-01	3.60E-05	2.00E-02	5.12E-03	9.32E-01	1.10E+00	8.31E-01	1.83E+00	1.75E-01	3.93E+00
1859	494561.06	3859201.99	5.47839	1.02591	9.4078	2.35156	8.96E-01	7.96E-01	1.82E+00	1.73E-01	3.69E+00	8.83E-01	3.45E-05	2.00E-02	5.06E-03	9.08E-01	1.07E+00	7.96E-01	1.82E+00	1.73E-01	3.87E+00
1860	494611.06	3859201.99	5.37917	0.99393	9.4765	2.32487	8.80E-01	7.71E-01	1.84E+00	1.71E-01	3.66E+00	8.67E-01	3.34E-05	2.01E-02	5.00E-03	8.92E-01	1.05E+00	7.71E-01	1.84E+00	1.71E-01	3.83E+00
1861	494661.06	3859201.99	5.29787	0.97415	9.6424	2.30202	8.67E-01	7.56E-01	1.87E+00	1.69E-01	3.66E+00	8.54E-01	3.27E-05	2.05E-02	4.96E-03	8.79E-01	1.04E+00	7.56E-01	1.87E+00	1.69E-01	3.83E+00
1862	494711.06	3859201.99	5.24992	0.94973	9.8852	2.28306	8.59E-01	7.37E-01	1.92E+00	1.68E-01	3.68E+00	8.46E-01	3.19E-05	2.10E-02	4.91E-03	8.72E-01	1.03E+00	7.37E-01	1.92E+00	1.68E-01	3.85E+00
1863	494761.06	3859201.99	5.12643	0.90458	9.9938	2.25191	8.38E-01	7.02E-01	1.94E+00	1.66E-01	3.64E+00	8.26E-01	3.04E-05	2.12E-02	4.85E-03	8.52E-01	1.00E+00	7.02E-01	1.94E+00	1.66E-01	3.81E+00
1864	494811.06	3859201.99	4.9793	0.86968	9.9892	2.22474	8.14E-01	6.75E-01	1.94E+00	1.64E-01	3.59E+00	8.02E-01	2.92E-05	2.12E-02	4.79E-03	8.28E-01	9.74E-01	6.75E-01	1.94E+00	1.64E-01	3.75E+00
1865	494861.06	3859201.99	4.78596	0.81468	9.7028	2.17669	7.83E-01	6.32E-01	1.88E+00	1.60E-01	3.46E+00	7.71E-01	2.74E-05	2.06E-02	4.69E-03	7.97E-01	9.37E-01	6.32E-01	1.88E+00	1.60E-01	3.61E+00
1866	494911.06	3859201.99	4.52058	0.77746	9.1699	2.08046	7.39E-01	6.03E-01	1.78E+00	1.53E-01	3.27E+00	7.28E-01	2.61E-05	1.95E-02	4.48E-03	7.52E-01	8.85E-01	6.03E-01	1.78E+00	1.53E-01	3.42E+00
1867	494961.06	3859201.99	4.25549	0.73834	8.9407	1.98118	6.96E-01	5.73E-01	1.73E+00	1.46E-01	3.15E+00	6.86E-01	2.48E-05	1.90E-02	4.26E-03	7.09E-01	8.33E-01	5.73E-01	1.73E+00	1.46E-01	3.28E+00
1868	495011.06	3859201.99	3.90553	0.68481	8.6734	1.8995	6.39E-01	5.31E-01	1.68E+00	1.40E-01	2.99E+00	6.29E-01	2.30E-05	1.84E-02	4.09E-03	6.52E-01	7.64E-01	5.31E-01	1.68E+00	1.40E-01	3.12E+00
1869	495061.06	3859201.99	4.03829	0.70341	8.8142	1.94089	6.61E-01	5.46E-01	1.71E+00	1.43E-01	3.06E+00	6.51E-01	2.36E-05	1.87E-02	4.18E-03	6.74E-01	7.90E-01	5.46E-01	1.71E+00	1.43E-01	3.19E+00
1870	495111.06	3859201.99	4.05883	0.70689	8.7695	1.95181	6.64E-01	5.48E-01	1.70E+00	1.44E-01	3.06E+00	6.54E-01	2.37E-05	1.86E-02	4.20E-03	6.77E-01	7.94E-01	5.48E-01	1.70E+00	1.44E-01	3.19E+00
1871	495161.06	3859201.99	4.06043	0.70879	8.5928	1.95428	6.64E-01	5.50E-01	1.67E+00	1.44E-01	3.02E+00	6.54E-01	2.38E-05	1.83E-02	4.21E-03	6.77E-01	7.95E-01	5.50E-01	1.67E+00	1.44E-01	3.15E+00
1872	495211.06	3859201.99	4.0112	0.70299	8.3904	1.96025	6.56E-01	5.45E-01	1.63E+00	1.44E-01	2.97E+00	6.46E-01	2.36E-05	1.78E-02	4.22E-03	6.68E-01	7.85E-01	5.45E-01	1.63E+00	1.44E-01	3.10E+00
1873	495261.06	3859201.99	4.03331	0.70702	8.3196	1.97621	6.60E-01	5.48E-01	1.61E+00	1.45E-01	2.97E+00	6.50E-01	2.37E-05	1.77E-02	4.25E-03	6.72E-01	7.89E-01	5.48E-01	1.61E+00	1.45E-01	3.10E+00
1874	495311.06	3859201.99	4.04525	0.70747	8.2659	1.98611	6.62E-01	5.49E-01	1.60E+00	1.46E-01	2.96E+00	6.52E-01	2.38E-05	1.76E-02	4.28E-03	6.74E-01	7.92E-01	5.49E-01	1.60E+00	1.46E-01	3.09E+00
1875	495361.06	3859201.99	4.07983	0.70977	8.2155	1.99739	6.67E-01	5.51E-01	1.59E+00	1.47E-01	2.96E+00	6.57E-01	2.38E-05	1.75E-02	4.30E-03	6.79E-01	7.98E-01	5.51E-01	1.59E+00	1.47E-01	3.09E+00
1876	495411.06	3859201.99	4.10092	0.72587	8.2109	2.01079	6.71E-01	5.63E-01	1.59E+00	1.48E-01	2.97E+00	6.61E-01	2.44E-05	1.75E-02	4.33E-03	6.83E-01	8.02E-01	5.63E-01	1.59E+00	1.48E-01	3.11E+00
1877	495461.06	3859201.99	4.019	0.72206	8.1905	2.0063	6.57E-01	5.60E-01	1.59E+00	1.48E-01	2.95E+00	6.48E-01	2.43E-05	1.74E-02	4.32E-03	6.69E-01	7.86E-01	5.60E-01	1.59E+00	1.48E-01	3.08E+00
1878	495511.06	3859201.99	3.99972	0.71362	8.1452	2.00408	6.54E-01	5.54E-01	1.58E+00	1.48E-01	2.93E+00	6.44E-01	2.40E-05	1.73E-02	4.31E-03	6.66E-01	7.83E-01	5.54E-01	1.58E+00	1.48E-01	3.06E+00
1879	495561.06	3859201.99	3.86026	0.70119	8.0649	1.99248	6.31E-01	5.44E-01	1.56E+00	1.47E-01	2.89E+00	6.22E-01	2.36E-05	1.71E-02	4.29E-03	6.43E-01	7.55E-01	5.44E-01	1.56E+00	1.47E-01	3.01E+00
1880	495611.06	3859201.99	3.80225	0.69401	8.0129	1.98462	6.22E-01	5.38E-01	1.55E+00	1.46E-01	2.86E+00	6.13E-01	2.33E-05	1.70E-02	4.27E-03	6.34E-01	7.44E-01	5.38E-01	1.55E+00	1.46E-01	2.98E+00
1881	495661.06	3859201.99	3.75697	0.69017	8.0226	1.98216	6.14E-01	5.35E-01	1.56E+00	1.46E-01	2.85E+00	6.05E-01	2.32E-05	1.71E-02	4.27E-03	6.27E-01	7.35E-01	5.35E-01	1.56E+00	1.46E-01	2.97E+00
1882	494311.06	3859251.99	6.17164	1.28775	9.6357	2.4384	1.01E+00	9.99E-01	1.87E+00	1.80E-01	4.06E+00	9.94E-01	4.33E-05	2.05E-02	5.25E-03	1.02E+00	1.21E+00	9.99E-01	1.87E+00	1.80E-01	4.25E+00
1883	494361.06	3859251.99	6.13741	1.25098	9.3552	2.42116	1.00E+00	9.70E-01	1.81E+00	1.78E-01	3.97E+00	9.89E-01	4.20E-05	1.99E-02	5.21E-03	1.01E+00	1.20E+00	9.70E-01	1.81E+00	1.78E-01	4.16E+00
1884	494411.06	3859251.99	6.05063	1.2006	9.0671	2.40148	9.90E-01	9.31E-01	1.76E+00	1.77E-01	3.86E+00	9.75E-01	4.03E-05	1.93E-02	5.17E-03	9.99E-01	1.18E+00	9.31E-01	1.76E+00	1.77E-01	4.05E+00
1885	494461.06	3859251.99	6.02276	1.17142	8.8636	2.39033	9.85E-01	9.09E-01	1.72E+00	1.76E-01	3.79E+00	9.70E-01	3.93E-05	1.88E-02	5.15E-03	9.94E-01	1.18E+00	9.09E-01	1.72E+00	1.76E-01	3.98E+00
1886	494511.06	3859251.99	5.93276	1.11368	8.8595	2.36303	9.70E-01	8.64E-01	1.72E+00	1.74E-01	3.73E+00	9.56E-01	3.74E-05	1.88E-02	5.09E-03	9.80E-01	1.16E+00	8.64E-01	1.72E+00	1.74E-01	3.92E+00
1887	494561.06	3859251.99	5.79733	1.08736	8.8587	2.34687	9.48E-01	8.43E-01	1.72E+00	1.73E-01	3.68E+00	9.34E-01	3.65E-05	1.88E-02	5.05E-03	9.58E-01	1.13E+00	8.44E-01	1.72E+00	1.73E-01	3.87E+00

1888	494611.06	3859251.99	5.59737	1.04625	8.9056	2.32882	9.16E-01	8.12E-01	1.73E+00	1.71E-01	3.63E+00	9.02E-01	3.51E-05	1.89E-02	5.01E-03	9.26E-01	1.10E+00	8.12E-01	1.73E+00	1.71E-01	3.81E+00
1889	494661.06	3859251.99	5.47183	1.03389	8.9119	2.32329	8.95E-01	8.02E-01	1.73E+00	1.71E-01	3.60E+00	8.82E-01	3.47E-05	1.89E-02	5.00E-03	9.06E-01	1.07E+00	8.02E-01	1.73E+00	1.71E-01	3.77E+00
1890	494711.06	3859251.99	5.37775	1.00695	8.9066	2.31324	8.80E-01	7.81E-01	1.73E+00	1.70E-01	3.56E+00	8.67E-01	3.38E-05	1.89E-02	4.98E-03	8.90E-01	1.05E+00	7.81E-01	1.73E+00	1.70E-01	3.73E+00
1891	494761.06	3859251.99	5.15273	0.92191	8.8448	2.25794	8.43E-01	7.15E-01	1.72E+00	1.66E-01	3.44E+00	8.30E-01	3.10E-05	1.88E-02	4.86E-03	8.54E-01	1.01E+00	7.15E-01	1.72E+00	1.66E-01	3.60E+00
1892	494811.06	3859251.99	5.12059	0.93211	8.8084	2.24947	8.38E-01	7.23E-01	1.71E+00	1.66E-01	3.43E+00	8.25E-01	3.13E-05	1.87E-02	4.84E-03	8.49E-01	1.00E+00	7.23E-01	1.71E+00	1.66E-01	3.60E+00
1893	494861.06	3859251.99	4.92094	0.85567	8.7408	2.17506	8.05E-01	6.64E-01	1.69E+00	1.60E-01	3.32E+00	7.93E-01	2.87E-05	1.86E-02	4.68E-03	8.16E-01	9.63E-01	6.64E-01	1.69E+00	1.60E-01	3.48E+00
1894	494911.06	3859251.99	4.69535	0.81314	8.6482	2.09619	7.68E-01	6.31E-01	1.68E+00	1.54E-01	3.23E+00	7.57E-01	2.73E-05	1.84E-02	4.51E-03	7.79E-01	9.19E-01	6.31E-01	1.68E+00	1.54E-01	3.38E+00
1895	494961.06	3859251.99	4.59181	0.79114	8.7081	2.07312	7.51E-01	6.14E-01	1.69E+00	1.53E-01	3.21E+00	7.40E-01	2.66E-05	1.85E-02	4.46E-03	7.63E-01	8.99E-01	6.14E-01	1.69E+00	1.53E-01	3.35E+00
1896	495011.06	3859251.99	4.43434	0.76353	8.7437	2.03804	7.25E-01	5.92E-01	1.70E+00	1.50E-01	3.16E+00	7.15E-01	2.56E-05	1.86E-02	4.39E-03	7.38E-01	8.68E-01	5.92E-01	1.70E+00	1.50E-01	3.31E+00
1897	495061.06	3859251.99	4.43212	0.77037	8.7591	2.04825	7.25E-01	5.98E-01	1.70E+00	1.51E-01	3.17E+00	7.14E-01	2.59E-05	1.86E-02	4.41E-03	7.37E-01	8.67E-01	5.98E-01	1.70E+00	1.51E-01	3.31E+00
1898	495111.06	3859251.99	4.36366	0.7638	8.6364	2.043	7.14E-01	5.92E-01	1.67E+00	1.50E-01	3.13E+00	7.03E-01	2.57E-05	1.84E-02	4.40E-03	7.26E-01	8.54E-01	5.93E-01	1.67E+00	1.50E-01	3.27E+00
1899	495161.06	3859251.99	4.32407	0.7648	8.5792	2.0447	7.07E-01	5.93E-01	1.66E+00	1.51E-01	3.11E+00	6.97E-01	2.57E-05	1.82E-02	4.40E-03	7.19E-01	8.46E-01	5.93E-01	1.66E+00	1.51E-01	3.25E+00
1900	495211.06	3859251.99	4.27928	0.75608	8.5663	2.03987	7.00E-01	5.86E-01	1.66E+00	1.50E-01	3.10E+00	6.90E-01	2.54E-05	1.82E-02	4.39E-03	7.12E-01	8.37E-01	5.87E-01	1.66E+00	1.50E-01	3.24E+00
1901	495261.06	3859251.99	4.2848	0.7473	8.6413	2.06891	7.01E-01	5.80E-01	1.68E+00	1.52E-01	3.11E+00	6.90E-01	2.51E-05	1.84E-02	4.45E-03	7.13E-01	8.38E-01	5.80E-01	1.68E+00	1.52E-01	3.25E+00
1902	495311.06	3859251.99	4.29879	0.76367	8.627	2.07071	7.03E-01	5.92E-01	1.67E+00	1.52E-01	3.12E+00	6.93E-01	2.57E-05	1.83E-02	4.46E-03	7.15E-01	8.41E-01	5.92E-01	1.67E+00	1.52E-01	3.26E+00
1903	495361.06	3859251.99	4.28054	0.76159	8.5637	2.06988	7.00E-01	5.91E-01	1.66E+00	1.52E-01	3.10E+00	6.90E-01	2.56E-05	1.82E-02	4.46E-03	7.12E-01	8.38E-01	5.91E-01	1.66E+00	1.52E-01	3.24E+00
1904	495411.06	3859251.99	4.32639	0.77443	8.5028	2.0721	7.08E-01	6.01E-01	1.65E+00	1.53E-01	3.11E+00	6.97E-01	2.60E-05	1.81E-02	4.46E-03	7.20E-01	8.47E-01	6.01E-01	1.65E+00	1.53E-01	3.25E+00
1905	495461.06	3859251.99	4.31581	0.77124	8.4163	2.07017	7.06E-01	5.98E-01	1.63E+00	1.52E-01	3.09E+00	6.95E-01	2.59E-05	1.79E-02	4.46E-03	7.18E-01	8.45E-01	5.98E-01	1.63E+00	1.52E-01	3.23E+00
1906	495511.06	3859251.99	4.25305	0.75049	8.1544	2.06396	6.96E-01	5.82E-01	1.58E+00	1.52E-01	3.01E+00	6.85E-01	2.52E-05	1.73E-02	4.44E-03	7.07E-01	8.32E-01	5.82E-01	1.58E+00	1.52E-01	3.15E+00
1907	495561.06	3859251.99	4.16789	0.74297	8.0607	2.06122	6.82E-01	5.76E-01	1.56E+00	1.52E-01	2.97E+00	6.72E-01	2.50E-05	1.71E-02	4.44E-03	6.93E-01	8.16E-01	5.76E-01	1.56E+00	1.52E-01	3.11E+00
1908	495611.06	3859251.99	4.04029	0.72637	7.9852	2.04609	6.61E-01	5.63E-01	1.55E+00	1.51E-01	2.92E+00	6.51E-01	2.44E-05	1.70E-02	4.40E-03	6.72E-01	7.91E-01	5.63E-01	1.55E+00	1.51E-01	3.05E+00
1909	495661.06	3859251.99	4.00524	0.7189	7.9152	2.02946	6.55E-01	5.58E-01	1.53E+00	1.49E-01	2.90E+00	6.45E-01	2.41E-05	1.68E-02	4.37E-03	6.67E-01	7.84E-01	5.58E-01	1.53E+00	1.49E-01	3.03E+00
1910	494311.06	3859301.99	6.45516	1.40016	10.365	2.48501	1.06E+00	1.09E+00	2.01E+00	1.83E-01	4.33E+00	1.04E+00	4.70E-05	2.20E-02	5.35E-03	1.07E+00	1.26E+00	1.09E+00	2.01E+00	1.83E-01	4.54E+00
1911	494361.06	3859301.99	6.33582	1.36141	10.149	2.46505	1.04E+00	1.06E+00	1.97E+00	1.81E-01	4.24E+00	1.02E+00	4.57E-05	2.16E-02	5.31E-03	1.05E+00	1.24E+00	1.06E+00	1.97E+00	1.81E-01	4.45E+00
1912	494411.06	3859301.99	6.14361	1.3093	9.9027	2.44058	1.00E+00	1.02E+00	1.92E+00	1.80E-01	4.12E+00	9.90E-01	4.40E-05	2.11E-02	5.25E-03	1.02E+00	1.20E+00	1.02E+00	1.92E+00	1.80E-01	4.32E+00
1913	494461.06	3859301.99	6.01962	1.25552	9.6593	2.41548	9.85E-01	9.74E-01	1.87E+00	1.78E-01	4.01E+00	9.70E-01	4.22E-05	2.05E-02	5.20E-03	9.96E-01	1.18E+00	9.74E-01	1.87E+00	1.78E-01	4.20E+00
1914	494511.06	3859301.99	5.97604	1.21191	9.4116	2.40509	9.77E-01	9.40E-01	1.82E+00	1.77E-01	3.92E+00	9.63E-01	4.07E-05	2.00E-02	5.18E-03	9.88E-01	1.17E+00	9.40E-01	1.82E+00	1.77E-01	4.11E+00
1915	494561.06	3859301.99	5.91927	1.17859	9.1438	2.39726	9.68E-01	9.14E-01	1.77E+00	1.76E-01	3.83E+00	9.54E-01	3.96E-05	1.94E-02	5.16E-03	9.78E-01	1.16E+00	9.14E-01	1.77E+00	1.76E-01	4.02E+00
1916	494611.06	3859301.99	5.85871	1.139	8.8774	2.40041	9.58E-01	8.84E-01	1.72E+00	1.77E-01	3.74E+00	9.44E-01	3.83E-05	1.89E-02	5.17E-03	9.68E-01	1.15E+00	8.84E-01	1.72E+00	1.77E-01	3.93E+00
1917	494661.06	3859301.99	5.78905	1.10668	8.6185	2.40639	9.47E-01	8.58E-01	1.67E+00	1.77E-01	3.65E+00	9.33E-01	3.72E-05	1.83E-02	5.18E-03	9.56E-01	1.13E+00	8.58E-01	1.67E+00	1.77E-01	3.84E+00
1918	494711.06	3859301.99	5.63639	1.06299	8.4311	2.3817	9.22E-01	8.25E-01	1.63E+00	1.75E-01	3.56E+00	9.08E-01	3.57E-05	1.79E-02	5.13E-03	9.31E-01	1.10E+00	8.25E-01	1.63E+00	1.75E-01	3.74E+00
1919	494761.06	3859301.99	5.45883	1.02611	8.2972	2.34583	8.93E-01	7.96E-01	1.61E+00	1.73E-01	3.47E+00	8.80E-01	3.45E-05	1.76E-02	5.05E-03	9.02E-01	1.07E+00	7.96E-01	1.61E+00	1.73E-01	3.65E+00
1920	494811.06	3859301.99	5.28286	0.9744	8.3244	2.30909	8.64E-01	7.56E-01	1.61E+00	1.70E-01	3.40E+00	8.51E-01	3.27E-05	1.77E-02	4.97E-03	8.74E-01	1.03E+00	7.56E-01	1.61E+00	1.70E-01	3.57E+00
1921	494861.06	3859301.99	5.06322	0.90569	8.2173	2.26486	8.28E-01	7.03E-01	1.59E+00	1.67E-01	3.29E+00	8.16E-01	3.04E-05	1.75E-02	4.88E-03	8.38E-01	9.91E-01	7.03E-01	1.59E+00	1.67E-01	3.45E+00
1922	494911.06	3859301.99	4.94316	0.87653	8.27	2.21188	8.09E-01	6.80E-01	1.60E+00	1.63E-01	3.25E+00	7.96E-01	2.94E-05	1.76E-02	4.76E-03	8.19E-01	9.67E-01	6.80E-01	1.60E+00	1.63E-01	3.41E+00
1923	494961.06	3859301.99	4.70765	0.8106	8.2081	2.15176	7.70E-01	6.29E-01	1.59E+00	1.58E-01	3.15E+00	7.59E-01	2.72E-05	1.75E-02	4.63E-03	7.81E-01	9.21E-01	6.29E-01	1.59E+00	1.58E-01	3.30E+00
1924	495011.06	3859301.99	4.6277	0.7949	8.1926	2.1374	7.57E-01	6.17E-01	1.59E+00	1.57E-01	3.12E+00	7.46E-01	2.67E-05	1.74E-02	4.60E-03	7.68E-01	9.06E-01	6.17E-01	1.59E+00	1.57E-01	3.27E+00
1925	495061.06	3859301.99	4.76258	0.82583	8.2962	2.1619	7.79E-01	6.41E-01	1.61E+00	1.59E-01	3.19E+00	7.67E-01	2.77E-05	1.76E-02	4.65E-03	7.90E-01	9.32E-01	6.41E-01	1.61E+00	1.59E-01	3.34E+00
1926	495111.06	3859301.99	4.62127	0.80202	8.2372	2.13855	7.56E-01	6.22E-01	1.60E+00	1.57E-01	3.13E+00	7.45E-01	2.69E-05	1.75E-02	4.60E-03	7.67E-01	9.04E-01	6.22E-01	1.60E+00	1.57E-01	3.28E+00
1927	495161.06	3859301.99	4.59306	0.80985	8.2311	2.13254	7.51E-01	6.28E-01	1.60E+00	1.57E-01	3.13E+00	7.40E-01	2.72E-05	1.75E-02	4.59E-03	7.62E-01	8.99E-01	6.28E-01	1.60E+00	1.57E-01	3.28E+00
1928	495211.06	3859301.99	4.60562	0.8261	8.3739	2.13982	7.53E-01	6.41E-01	1.62E+00	1.58E-01	3.18E+00	7.42E-01	2.77E-05	1.78E-02	4.61E-03	7.65E-01	9.01E-01	6.41E-01	1.62E+00	1.58E-01	3.32E+00
1929	495261.06	3859301.99	4.58581	0.83095	8.5033	2.14031	7.50E-01	6.45E-01	1.65E+00	1.58E-01	3.20E+00	7.39E-01	2.79E-05	1.81E-02	4.61E-03	7.62E-01	8.97E-01	6.45E-01	1.65E+00	1.58E-01	3.35E+00
1930	495311.06	3859301.99	4.48054	0.81337	8.5805	2.12565	7.33E-01	6.31E-01	1.66E+00	1.56E-01	3.18E+00	7.22E-01	2.73E-05	1.82E-02	4.58E-03	7.45E-01	8.77E-01	6.31E-01	1.66E+00	1.56E-01	3.33E+00
1931	495361.06	3859301.99	4.49131	0.82124	8.584	2.12806	7.35E-01	6.37E-01	1.66E+00	1.57E-01	3.19E+00	7.24E-01	2.76E-05	1.83E-02	4.58E-03	7.47E-01	8.79E-01	6.37E-01	1.66E+00	1.57E-01	3.34E+00
1932	495411.06	3859301.99	4.48312	0.82168	8.5173	2.12476	7.33E-01	6.37E-01	1.65E+00	1.56E-01	3.18E+00	7.22E-01	2.76E-05	1.81E-02	4.57E-03	7.45E-01	8.77E-01	6.37E-01	1.65E+00	1.56E-01	3.32E+00
1933	495461.06	3859301.99	4.49257	0.82494	8.4749	2.13194	7.35E-01	6.40E-01	1.64E+00	1.57E-01	3.18E+00	7.24E-01	2.77E-05	1.80E-02	4.59E-03	7.47E-01	8.79E-01	6.40E-01	1.64E+00	1.57E-01	3.32E+00
1934	495511.06	3859301.99	4.41975	0.81061	8.3437	2.12751	7.23E-01	6.29E-01	1.62E+00	1.57E-01	3.13E+00	7.12E-01	2.72E-05	1.77E-02	4.58E-03	7.35E-01	8.65E-01	6.29E-01	1.62E+00	1.57E-01	3.27E+00
1935	495561.06	3859301.99	4.31217	0.78275	8.2705	2.09445	7.05E-01	6.07E-01	1.60E+00	1.54E-01	3.07E+00	6.95E-01	2.63E-05	1.76E-02	4.51E-03	7.17E-01	8.44E-01	6.07E-01	1.60E+00	1.54E-01	3.21E+00
1936	495611.06	3859301.99	4.28954	0.77701	8.259	2.07543	7.02E-01	6.03E-01	1.60E+00	1.53E-01	3.06E+00	6.91E-01	2.61E-05	1.76E-02	4.47E-03	7.13E-01	8.39E-01	6.03E-01	1.60E+00	1.53E-01	3.20E+00
1937	495661.06	3859301.99	4.27674	0.77101	8.1798	2.05844	7.00E-01	5.98E-01	1.59E+00	1.52E-01	3.04E+00	6.89E-01	2.59E-05	1.74E-02	4.43E-03	7.11E-01	8.37E-01	5.98E-01	1.59E+00	1.52E-01	3.17E+00
1938	494311.06	3859351.99	6.54249	1.51065	10.324	2.57894	1.07E+00	1.17E+00	2.00E+00	1.90E-01	4.43E+00	1.05E+00	5.07E-05	2.20E-02	5.55E-03	1.08E+00	1.28E+00	1.17E+00	2.00E+00	1.90E-01	4.64E+00
1939	494361.06	3859351.99	6.47113	1.46748	10.196	2.57203	1.06E+00	1.14E+00	1.98E+00	1.89E-01	4.36E+00	1.04E+00	4.93E-05	2.17E-02	5.54E-03	1.07E+00	1.27E+00	1.14E+00	1.98E+00	1.89E-01	4.57E+00
1940	494411.06	3859351.99	6.39446	1.39268	10.072	2.55562	1.05E+00	1.08E+00	1.95E+00	1.88E-01	4.27E+00	1.03E+00	4.68E-05	2.14E-02	5.50E-03	1.06E+00	1.25E+00	1.08E+00	1.95E+00	1.88E-01	4.47E+00
1941	494461.06	3859351.99	6.28084	1.33687	9.9911	2.53366	1.03E+00	1.04E+00	1.94E+00	1.87E-01	4.19E+00	1.01E+00	4.49E-05	2.12E-02	5.45E-03	1.04E+00	1.23E+00	1.04E+00	1.94E+00	1.87E-01	4.39E+00
1942	494511.06	3859351.99	6.12684	1.29228	9.9159	2.50777	1.00E+00	1.00E+00	1.92E+00	1.85E-01	4.11E+00	9.87E-01	4.34E-05	2.11E-02	5.40E-03	1.01E+00	1.20E+00	1.00E+00	1.92E+00	1.85E-01	4.31E+00
1943	494561.06	3859351.99	5.98561	1.27211	9.8512	2.48706	9.79E-01	9.87E-01	1.91E+00	1.83E-01	4.06E+00	9.64E-01	4.27E-05	2.09E-02	5.35E-03	9.91E-01	1.17E+00	9.87E-01	1.91E+00	1.83E-01	4.25E+00
1944	494611.06	3859351.99	5.90176	1.23489	9.6262	2.47251	9.65E-01	9.58E-01	1.87E+00	1.82E-01	3.97E+00	9.51E-01	4.15E-05	2.05E-02	5.32E-03	9.77E-01	1.15E+00	9.58E-01	1.87E+00	1.82E-01	4.16E+00
1945	494661.06	3859351.99	5.86328	1.20002	9.402	2.45419	9.59E-01	9.31E-01	1.82E+00	1.81E-01	3.89E+00	9.45E-01	4.03E-05	2.00E-02	5.28E-03	9.70E-01	1.15E+00	9.31E-01	1.82E+00	1.81E-01	4.08E+00
1946	494711.06	3859351.99	5.77438	1.144	9.171	2.41166	9.44E-01	8.87E-01	1.78E+00	1.78E-01	3.79E+00	9.30E-01	3.84E-05	1.95E-02	5.19E-03	9.55E-01	1.13E+00	8.87E-01	1.78E+00	1.78E-01	3.97E+00
1947	494761.06	3859351.99	5.65909	1.06307	8.9197	2.37583	9.26E-01	8.25E-01	1.73E+00	1.75E-01	3.65E+00	9.12E-01	3.57E-05	1.90E-02	5.11E-03	9.36E-01	1.11E+00	8.25E-01	1.73E+00	1.75E-01	3.84E+00
1948	494811.06	3859351.99	5.42384	0.98633	8.6029	2.32655	8.87E-01	7.65E-01	1.67E+00	1.71E-01	3.49E+00	8.74E-01	3.31E-05	1.83E-02	5.01E-03	8.97E-01	1.06E+00	7.65E-01	1.67E+00	1.71E-01	3.67E+00

1949	494861.06	3859351.99	5.3074	0.96255	8.3558	2.30812	8.68E-01	7.47E-01	1.62E+00	1.70E-01	3.40E+00	8.55E-01	3.23E-05	1.78E-02	4.97E-03	8.78E-01	1.04E+00	7.47E-01	1.62E+00	1.70E-01	3.58E+00
1950	494911.06	3859351.99	5.19437	0.95114	8.1693	2.28657	8.50E-01	7.38E-01	1.58E+00	1.68E-01	3.34E+00	8.37E-01	3.20E-05	1.74E-02	4.92E-03	8.59E-01	1.02E+00	7.38E-01	1.58E+00	1.68E-01	3.51E+00
1951	494961.06	3859351.99	5.08357	0.92745	7.9964	2.24455	8.31E-01	7.19E-01	1.55E+00	1.65E-01	3.27E+00	8.19E-01	3.12E-05	1.70E-02	4.83E-03	8.41E-01	9.95E-01	7.19E-01	1.55E+00	1.65E-01	3.43E+00
1952	495011.06	3859351.99	5.00612	0.90397	7.8328	2.21824	8.19E-01	7.01E-01	1.52E+00	1.63E-01	3.20E+00	8.07E-01	3.04E-05	1.67E-02	4.78E-03	8.28E-01	9.80E-01	7.01E-01	1.52E+00	1.63E-01	3.36E+00
1953	495061.06	3859351.99	5.03415	0.9291	7.7698	2.24402	8.23E-01	7.21E-01	1.51E+00	1.65E-01	3.22E+00	8.11E-01	3.12E-05	1.65E-02	4.83E-03	8.33E-01	9.85E-01	7.21E-01	1.51E+00	1.65E-01	3.38E+00
1954	495111.06	3859351.99	4.96171	0.90899	7.8085	2.21958	8.12E-01	7.05E-01	1.51E+00	1.63E-01	3.19E+00	7.99E-01	3.05E-05	1.66E-02	4.78E-03	8.21E-01	9.71E-01	7.05E-01	1.51E+00	1.63E-01	3.35E+00
1955	495161.06	3859351.99	4.94593	0.90267	7.9068	2.21632	8.09E-01	7.00E-01	1.53E+00	1.63E-01	3.21E+00	7.97E-01	3.03E-05	1.68E-02	4.77E-03	8.19E-01	9.68E-01	7.00E-01	1.53E+00	1.63E-01	3.36E+00
1956	495211.06	3859351.99	4.93228	0.8955	7.9546	2.21154	8.07E-01	6.95E-01	1.54E+00	1.63E-01	3.21E+00	7.95E-01	3.01E-05	1.69E-02	4.76E-03	8.16E-01	9.65E-01	6.95E-01	1.54E+00	1.63E-01	3.37E+00
1957	495261.06	3859351.99	4.91366	0.90097	7.9787	2.21666	8.04E-01	6.99E-01	1.55E+00	1.63E-01	3.21E+00	7.92E-01	3.03E-05	1.70E-02	4.77E-03	8.14E-01	9.62E-01	6.99E-01	1.55E+00	1.63E-01	3.37E+00
1958	495311.06	3859351.99	4.81997	0.88744	7.9747	2.20381	7.88E-01	6.88E-01	1.55E+00	1.62E-01	3.19E+00	7.77E-01	2.98E-05	1.70E-02	4.74E-03	7.98E-01	9.43E-01	6.88E-01	1.55E+00	1.62E-01	3.34E+00
1959	495361.06	3859351.99	4.75872	0.88507	7.9927	2.20074	7.78E-01	6.87E-01	1.55E+00	1.62E-01	3.18E+00	7.67E-01	2.97E-05	1.70E-02	4.74E-03	7.89E-01	9.31E-01	6.87E-01	1.55E+00	1.62E-01	3.33E+00
1960	495411.06	3859351.99	4.72286	0.88843	8.036	2.20465	7.72E-01	6.89E-01	1.56E+00	1.62E-01	3.18E+00	7.61E-01	2.98E-05	1.71E-02	4.75E-03	7.83E-01	9.24E-01	6.89E-01	1.56E+00	1.62E-01	3.33E+00
1961	495461.06	3859351.99	4.69194	0.89729	8.126	2.21349	7.67E-01	6.96E-01	1.58E+00	1.63E-01	3.20E+00	7.56E-01	3.01E-05	1.73E-02	4.77E-03	7.78E-01	9.18E-01	6.96E-01	1.58E+00	1.63E-01	3.35E+00
1962	495511.06	3859351.99	4.5996	0.87297	8.1789	2.18596	7.52E-01	6.77E-01	1.59E+00	1.61E-01	3.18E+00	7.41E-01	2.93E-05	1.74E-02	4.71E-03	7.63E-01	9.00E-01	6.77E-01	1.59E+00	1.61E-01	3.32E+00
1963	495561.06	3859351.99	4.54467	0.8557	8.2531	2.15949	7.43E-01	6.64E-01	1.60E+00	1.59E-01	3.17E+00	7.32E-01	2.87E-05	1.75E-02	4.65E-03	7.55E-01	8.89E-01	6.64E-01	1.60E+00	1.59E-01	3.31E+00
1964	495611.06	3859351.99	4.50289	0.84617	8.2745	2.1434	7.36E-01	6.56E-01	1.60E+00	1.58E-01	3.16E+00	7.26E-01	2.84E-05	1.76E-02	4.61E-03	7.48E-01	8.81E-01	6.56E-01	1.60E+00	1.58E-01	3.30E+00
1965	495661.06	3859351.99	4.3802	0.81974	8.0859	2.10218	7.16E-01	6.36E-01	1.57E+00	1.55E-01	3.07E+00	7.06E-01	2.75E-05	1.72E-02	4.53E-03	7.28E-01	8.57E-01	6.36E-01	1.57E+00	1.55E-01	3.22E+00
1966	494311.06	3859401.99	6.73988	1.67155	9.7291	2.58577	1.10E+00	1.30E+00	1.89E+00	1.90E-01	4.48E+00	1.09E+00	5.61E-05	2.07E-02	5.57E-03	1.11E+00	1.32E+00	1.30E+00	1.89E+00	1.90E-01	4.69E+00
1967	494361.06	3859401.99	6.64718	1.57697	9.7611	2.58138	1.09E+00	1.22E+00	1.89E+00	1.90E-01	4.39E+00	1.07E+00	5.30E-05	2.08E-02	5.56E-03	1.10E+00	1.30E+00	1.22E+00	1.89E+00	1.90E-01	4.61E+00
1968	494411.06	3859401.99	6.51967	1.49312	9.7891	2.57577	1.07E+00	1.16E+00	1.90E+00	1.90E-01	4.31E+00	1.05E+00	5.02E-05	2.08E-02	5.54E-03	1.08E+00	1.28E+00	1.16E+00	1.90E+00	1.90E-01	4.52E+00
1969	494461.06	3859401.99	6.35371	1.43731	9.8236	2.57108	1.04E+00	1.11E+00	1.90E+00	1.89E-01	4.25E+00	1.02E+00	4.83E-05	2.09E-02	5.53E-03	1.05E+00	1.24E+00	1.11E+00	1.90E+00	1.89E-01	4.45E+00
1970	494511.06	3859401.99	6.32455	1.41347	9.8181	2.56768	1.03E+00	1.10E+00	1.90E+00	1.89E-01	4.22E+00	1.02E+00	4.75E-05	2.09E-02	5.53E-03	1.05E+00	1.24E+00	1.10E+00	1.90E+00	1.89E-01	4.43E+00
1971	494561.06	3859401.99	6.26785	1.37669	9.8181	2.55526	1.03E+00	1.07E+00	1.90E+00	1.88E-01	4.18E+00	1.01E+00	4.62E-05	2.09E-02	5.50E-03	1.04E+00	1.23E+00	1.07E+00	1.90E+00	1.88E-01	4.39E+00
1972	494611.06	3859401.99	6.15797	1.32668	9.6456	2.53467	1.01E+00	1.03E+00	1.87E+00	1.87E-01	4.09E+00	9.92E-01	4.46E-05	2.05E-02	5.46E-03	1.02E+00	1.20E+00	1.03E+00	1.87E+00	1.87E-01	4.29E+00
1973	494661.06	3859401.99	5.98254	1.3019	9.5785	2.53021	9.79E-01	1.01E+00	1.86E+00	1.86E-01	4.03E+00	9.64E-01	4.37E-05	2.04E-02	5.45E-03	9.90E-01	1.17E+00	1.01E+00	1.86E+00	1.86E-01	4.22E+00
1974	494711.06	3859401.99	5.88022	1.2669	9.5139	2.52239	9.62E-01	9.83E-01	1.84E+00	1.86E-01	3.98E+00	9.47E-01	4.26E-05	2.02E-02	5.43E-03	9.73E-01	1.15E+00	9.83E-01	1.84E+00	1.86E-01	4.16E+00
1975	494761.06	3859401.99	5.75675	1.17217	9.4285	2.4996	9.42E-01	9.09E-01	1.83E+00	1.84E-01	3.86E+00	9.28E-01	3.94E-05	2.00E-02	5.38E-03	9.53E-01	1.13E+00	9.09E-01	1.83E+00	1.84E-01	4.05E+00
1976	494811.06	3859401.99	5.65671	1.12701	9.3113	2.43714	9.25E-01	8.74E-01	1.81E+00	1.79E-01	3.78E+00	9.11E-01	3.79E-05	1.98E-02	5.25E-03	9.37E-01	1.11E+00	8.74E-01	1.81E+00	1.79E-01	3.97E+00
1977	494861.06	3859401.99	5.5186	1.05903	9.0933	2.38453	9.03E-01	8.21E-01	1.76E+00	1.76E-01	3.66E+00	8.89E-01	3.56E-05	1.93E-02	5.13E-03	9.14E-01	1.08E+00	8.22E-01	1.76E+00	1.76E-01	3.84E+00
1978	494911.06	3859401.99	5.44703	1.00978	8.8852	2.35834	8.91E-01	7.83E-01	1.72E+00	1.74E-01	3.57E+00	8.78E-01	3.39E-05	1.89E-02	5.08E-03	9.02E-01	1.07E+00	7.83E-01	1.72E+00	1.74E-01	3.75E+00
1979	494961.06	3859401.99	5.37534	1.0063	8.6834	2.34098	8.79E-01	7.81E-01	1.68E+00	1.72E-01	3.52E+00	8.66E-01	3.38E-05	1.85E-02	5.04E-03	8.90E-01	1.05E+00	7.81E-01	1.68E+00	1.72E-01	3.69E+00
1980	495011.06	3859401.99	5.30862	1.00147	8.4731	2.334	8.68E-01	7.77E-01	1.64E+00	1.72E-01	3.46E+00	8.55E-01	3.36E-05	1.80E-02	5.02E-03	8.78E-01	1.04E+00	7.77E-01	1.64E+00	1.72E-01	3.63E+00
1981	495061.06	3859401.99	5.26076	0.99089	8.2717	2.34319	8.60E-01	7.69E-01	1.60E+00	1.73E-01	3.41E+00	8.48E-01	3.33E-05	1.76E-02	5.04E-03	8.70E-01	1.03E+00	7.69E-01	1.60E+00	1.73E-01	3.57E+00
1982	495111.06	3859401.99	5.16381	0.9639	8.0387	2.34185	8.45E-01	7.48E-01	1.56E+00	1.72E-01	3.32E+00	8.32E-01	3.24E-05	1.71E-02	5.04E-03	8.54E-01	1.01E+00	7.48E-01	1.56E+00	1.72E-01	3.49E+00
1983	495161.06	3859401.99	5.12297	0.97677	7.8538	2.3362	8.38E-01	7.58E-01	1.52E+00	1.72E-01	3.29E+00	8.25E-01	3.28E-05	1.67E-02	5.03E-03	8.47E-01	1.00E+00	7.58E-01	1.52E+00	1.72E-01	3.46E+00
1984	495211.06	3859401.99	5.1086	0.98321	7.715	2.33688	8.36E-01	7.63E-01	1.50E+00	1.72E-01	3.27E+00	8.23E-01	3.30E-05	1.64E-02	5.03E-03	8.45E-01	1.00E+00	7.63E-01	1.50E+00	1.72E-01	3.43E+00
1985	495261.06	3859401.99	5.08142	0.97589	7.5698	2.32503	8.31E-01	7.57E-01	1.47E+00	1.71E-01	3.23E+00	8.19E-01	3.28E-05	1.61E-02	5.01E-03	8.40E-01	9.94E-01	7.57E-01	1.47E+00	1.71E-01	3.39E+00
1986	495311.06	3859401.99	5.05439	0.96598	7.4505	2.31063	8.27E-01	7.49E-01	1.44E+00	1.70E-01	3.19E+00	8.14E-01	3.24E-05	1.58E-02	4.97E-03	8.35E-01	9.89E-01	7.49E-01	1.44E+00	1.70E-01	3.35E+00
1987	495361.06	3859401.99	5.08314	0.97566	7.5352	2.30865	8.31E-01	7.57E-01	1.46E+00	1.70E-01	3.22E+00	8.19E-01	3.28E-05	1.60E-02	4.97E-03	8.40E-01	9.95E-01	7.57E-01	1.46E+00	1.70E-01	3.38E+00
1988	495411.06	3859401.99	5.04851	0.97337	7.6338	2.29871	8.26E-01	7.55E-01	1.48E+00	1.69E-01	3.23E+00	8.13E-01	3.27E-05	1.62E-02	4.95E-03	8.35E-01	9.88E-01	7.55E-01	1.48E+00	1.69E-01	3.39E+00
1989	495461.06	3859401.99	4.96064	0.95951	7.6697	2.28053	8.11E-01	7.44E-01	1.49E+00	1.68E-01	3.21E+00	7.99E-01	3.22E-05	1.63E-02	4.91E-03	8.21E-01	9.71E-01	7.44E-01	1.49E+00	1.68E-01	3.37E+00
1990	495511.06	3859401.99	4.84756	0.93393	7.6573	2.2527	7.93E-01	7.24E-01	1.48E+00	1.66E-01	3.17E+00	7.81E-01	3.14E-05	1.63E-02	4.85E-03	8.02E-01	9.49E-01	7.24E-01	1.48E+00	1.66E-01	3.32E+00
1991	495561.06	3859401.99	4.71168	0.90214	7.6513	2.2112	7.71E-01	7.00E-01	1.48E+00	1.63E-01	3.12E+00	7.59E-01	3.03E-05	1.63E-02	4.76E-03	7.80E-01	9.22E-01	7.00E-01	1.48E+00	1.63E-01	3.27E+00
1992	495611.06	3859401.99	4.63045	0.8921	7.6744	2.19072	7.57E-01	6.92E-01	1.49E+00	1.61E-01	3.10E+00	7.46E-01	3.00E-05	1.63E-02	4.72E-03	7.67E-01	9.06E-01	6.92E-01	1.49E+00	1.61E-01	3.25E+00
1993	495661.06	3859401.99	4.59504	0.8837	7.6705	2.17776	7.52E-01	6.85E-01	1.49E+00	1.60E-01	3.08E+00	7.40E-01	2.97E-05	1.63E-02	4.69E-03	7.61E-01	8.99E-01	6.86E-01	1.49E+00	1.60E-01	3.23E+00
1994	494311.06	3859451.99	6.84501	1.80189	9.3573	2.65782	1.12E+00	1.40E+00	1.81E+00	1.96E-01	4.53E+00	1.10E+00	6.05E-05	1.99E-02	5.72E-03	1.13E+00	1.34E+00	1.40E+00	1.81E+00	1.96E-01	4.75E+00
1995	494361.06	3859451.99	6.67117	1.70897	9.2904	2.64152	1.09E+00	1.33E+00	1.80E+00	1.94E-01	4.41E+00	1.07E+00	5.74E-05	1.98E-02	5.69E-03	1.10E+00	1.31E+00	1.33E+00	1.80E+00	1.94E-01	4.63E+00
1996	494411.06	3859451.99	6.59012	1.60193	9.2122	2.61543	1.08E+00	1.24E+00	1.79E+00	1.93E-01	4.30E+00	1.06E+00	5.38E-05	1.96E-02	5.63E-03	1.09E+00	1.29E+00	1.24E+00	1.79E+00	1.93E-01	4.51E+00
1997	494461.06	3859451.99	6.55461	1.58705	9.2531	2.60797	1.07E+00	1.23E+00	1.79E+00	1.92E-01	4.29E+00	1.06E+00	5.33E-05	1.97E-02	5.61E-03	1.08E+00	1.28E+00	1.23E+00	1.79E+00	1.92E-01	4.50E+00
1998	494511.06	3859451.99	6.49919	1.52942	9.2935	2.60031	1.06E+00	1.19E+00	1.80E+00	1.91E-01	4.24E+00	1.05E+00	5.14E-05	1.98E-02	5.60E-03	1.07E+00	1.27E+00	1.19E+00	1.80E+00	1.91E-01	4.45E+00
1999	494561.06	3859451.99	6.3386	1.48996	9.3367	2.59283	1.04E+00	1.16E+00	1.81E+00	1.91E-01	4.19E+00	1.02E+00	5.01E-05	1.99E-02	5.58E-03	1.05E+00	1.24E+00	1.16E+00	1.81E+00	1.91E-01	4.40E+00
2000	494611.06	3859451.99	6.26358	1.476	9.3865	2.58839	1.02E+00	1.14E+00	1.82E+00	1.91E-01	4.18E+00	1.01E+00	4.96E-05	2.00E-02	5.57E-03	1.03E+00	1.23E+00	1.14E+00	1.82E+00	1.91E-01	4.38E+00
2001	494661.06	3859451.99	6.21104	1.40437	9.4188	2.57403	1.02E+00	1.09E+00	1.83E+00	1.90E-01	4.12E+00	1.00E+00	4.72E-05	2.00E-02	5.54E-03	1.03E+00	1.22E+00	1.09E+00	1.83E+00	1.90E-01	4.32E+00
2002	494711.06	3859451.99	6.12661	1.34116	9.4332	2.5602	1.00E+00	1.04E+00	1.83E+00	1.88E-01	4.06E+00	9.87E-01	4.51E-05	2.01E-02	5.51E-03	1.01E+00	1.20E+00	1.04E+00	1.83E+00	1.88E-01	4.26E+00
2003	494761.06	3859451.99	5.99538	1.29684	9.4406	2.54694	9.81E-01	1.01E+00	1.83E+00	1.88E-01	4.00E+00	9.66E-01	4.36E-05	2.01E-02	5.48E-03	9.92E-01	1.17E+00	1.01E+00	1.83E+00	1.88E-01	4.20E+00
2004	494811.06	3859451.99	5.78182	1.22622	9.2777	2.49553	9.46E-01	9.51E-01	1.80E+00	1.84E-01	3.88E+00	9.32E-01	4.12E-05	1.97E-02	5.37E-03	9.57E-01	1.13E+00	9.51E-01	1.80E+00	1.84E-01	4.07E+00
2005	494861.06	3859451.99	5.67774	1.17488	9.129	2.46874	9.29E-01	9.11E-01	1.77E+00	1.82E-01	3.79E+00	9.15E-01	3.95E-05	1.94E-02	5.31E-03	9.40E-01	1.11E+00	9.11E-01	1.77E+00	1.82E-01	3.97E+00
2006	494911.06	3859451.99	5.62156	1.14969	9.0849	2.44307	9.19E-01	8.92E-01	1.76E+00	1.80E-01	3.75E+00	9.06E-01	3.86E-05	1.93E-02	5.26E-03	9.30E-01	1.10E+00	8.92E-01	1.76E+00	1.80E-01	3.93E+00
2007	494961.06	3859451.99	5.60416	1.14154	9.0278	2.4233	9.17E-01	8.85E-01	1.75E+00	1.78E-01	3.73E+00	9.03E-01	3.83E-05	1.92E-02	5.22E-03	9.27E-01	1.10E+00	8.86E-01	1.75E+00	1.78E-01	3.91E+00
2008	495011.06	3859451.99	5.56399	1.12362	8.9456	2.39711	9.10E-01	8.72E-01	1.73E+00	1.76E-01	3.69E+00	8.97E-01	3.77E-05	1.90E-02	5.16E-03	9.21E-01	1.09E+00	8.72E-01	1.73E+00	1.76E-01	3.87E+00
2009	495061.06	3859451.99	5.52459	1.10633	8.8911	2.37077	9.04E-01	8.58E-01	1.72E+00	1.75E-01	3.66E+00	8.90E-01	3.72E-05	1.89E-02	5.10E-03	9.14E-01	1.08E+00	8.58E-01	1.72E+00	1.75E-01	3.84E+00

2010	495111.06	3859451.99	5.43221	1.08493	8.7227	2.34278	8.88E-01	8.42E-01	1.69E+00	1.72E-01	3.59E+00	8.75E-01	3.64E-05	1.85E-02	5.04E-03	8.99E-01	1.06E+00	8.42E-01	1.69E+00	1.72E-01	3.77E+00
2011	495161.06	3859451.99	5.35906	1.08044	8.5471	2.33141	8.77E-01	8.38E-01	1.66E+00	1.72E-01	3.54E+00	8.64E-01	3.63E-05	1.82E-02	5.02E-03	8.87E-01	1.05E+00	8.38E-01	1.66E+00	1.72E-01	3.72E+00
2012	495211.06	3859451.99	5.32136	1.08133	8.3787	2.32906	8.70E-01	8.39E-01	1.62E+00	1.71E-01	3.51E+00	8.57E-01	3.63E-05	1.78E-02	5.01E-03	8.80E-01	1.04E+00	8.39E-01	1.62E+00	1.71E-01	3.68E+00
2013	495261.06	3859451.99	5.2903	1.0795	8.193	2.34028	8.65E-01	8.37E-01	1.59E+00	1.72E-01	3.46E+00	8.52E-01	3.63E-05	1.74E-02	5.04E-03	8.75E-01	1.04E+00	8.37E-01	1.59E+00	1.72E-01	3.63E+00
2014	495311.06	3859451.99	5.23545	1.06384	7.9844	2.32283	8.56E-01	8.25E-01	1.55E+00	1.71E-01	3.40E+00	8.44E-01	3.57E-05	1.70E-02	5.00E-03	8.66E-01	1.02E+00	8.25E-01	1.55E+00	1.71E-01	3.57E+00
2015	495361.06	3859451.99	5.2103	1.06081	7.7849	2.30667	8.52E-01	8.23E-01	1.51E+00	1.70E-01	3.35E+00	8.40E-01	3.56E-05	1.66E-02	4.97E-03	8.61E-01	1.02E+00	8.23E-01	1.51E+00	1.70E-01	3.52E+00
2016	495411.06	3859451.99	5.17552	1.05143	7.584	2.28374	8.47E-01	8.16E-01	1.47E+00	1.68E-01	3.30E+00	8.34E-01	3.53E-05	1.61E-02	4.92E-03	8.55E-01	1.01E+00	8.16E-01	1.47E+00	1.68E-01	3.47E+00
2017	495461.06	3859451.99	5.15221	1.04352	7.445	2.26727	8.43E-01	8.09E-01	1.44E+00	1.67E-01	3.26E+00	8.30E-01	3.51E-05	1.58E-02	4.88E-03	8.51E-01	1.01E+00	8.10E-01	1.44E+00	1.67E-01	3.43E+00
2018	495511.06	3859451.99	5.07007	1.00428	7.2938	2.23519	8.29E-01	7.79E-01	1.41E+00	1.65E-01	3.19E+00	8.17E-01	3.37E-05	1.55E-02	4.81E-03	8.37E-01	9.92E-01	7.79E-01	1.41E+00	1.65E-01	3.35E+00
2019	495561.06	3859451.99	4.9988	0.98624	7.196	2.22161	8.18E-01	7.65E-01	1.40E+00	1.64E-01	3.14E+00	8.05E-01	3.31E-05	1.53E-02	4.78E-03	8.26E-01	9.78E-01	7.65E-01	1.40E+00	1.64E-01	3.30E+00
2020	495611.06	3859451.99	4.91463	0.96857	7.1744	2.20578	8.04E-01	7.51E-01	1.39E+00	1.62E-01	3.11E+00	7.92E-01	3.25E-05	1.53E-02	4.75E-03	8.12E-01	9.62E-01	7.51E-01	1.39E+00	1.62E-01	3.27E+00
2021	495661.06	3859451.99	4.83782	0.95464	7.2391	2.19281	7.91E-01	7.41E-01	1.40E+00	1.61E-01	3.10E+00	7.80E-01	3.21E-05	1.54E-02	4.72E-03	8.00E-01	9.47E-01	7.41E-01	1.40E+00	1.61E-01	3.25E+00
2022	494311.06	3859501.99	7.18998	1.94267	9.0655	2.64663	1.18E+00	1.51E+00	1.76E+00	1.95E-01	4.64E+00	1.16E+00	6.53E-05	1.93E-02	5.70E-03	1.18E+00	1.41E+00	1.51E+00	1.76E+00	1.95E-01	4.87E+00
2023	494361.06	3859501.99	7.03543	1.85491	9.0437	2.63528	1.15E+00	1.44E+00	1.75E+00	1.94E-01	4.54E+00	1.13E+00	6.23E-05	1.92E-02	5.67E-03	1.16E+00	1.38E+00	1.44E+00	1.75E+00	1.94E-01	4.76E+00
2024	494411.06	3859501.99	6.80009	1.6851	8.9785	2.61685	1.11E+00	1.31E+00	1.74E+00	1.93E-01	4.35E+00	1.10E+00	5.66E-05	1.91E-02	5.63E-03	1.12E+00	1.33E+00	1.31E+00	1.74E+00	1.93E-01	4.57E+00
2025	494461.06	3859501.99	6.63099	1.72754	9.0049	2.58957	1.08E+00	1.34E+00	1.75E+00	1.91E-01	4.36E+00	1.07E+00	5.80E-05	1.91E-02	5.57E-03	1.09E+00	1.30E+00	1.34E+00	1.75E+00	1.91E-01	4.57E+00
2026	494511.06	3859501.99	6.51553	1.65173	8.99	2.57706	1.07E+00	1.28E+00	1.74E+00	1.90E-01	4.28E+00	1.05E+00	5.55E-05	1.91E-02	5.55E-03	1.07E+00	1.27E+00	1.28E+00	1.74E+00	1.90E-01	4.49E+00
2027	494561.06	3859501.99	6.47741	1.60017	8.9306	2.55892	1.06E+00	1.24E+00	1.73E+00	1.88E-01	4.22E+00	1.04E+00	5.38E-05	1.90E-02	5.51E-03	1.07E+00	1.27E+00	1.24E+00	1.73E+00	1.88E-01	4.43E+00
2028	494611.06	3859501.99	6.46694	1.63405	8.8936	2.54673	1.06E+00	1.27E+00	1.72E+00	1.88E-01	4.24E+00	1.04E+00	5.49E-05	1.89E-02	5.48E-03	1.07E+00	1.27E+00	1.27E+00	1.72E+00	1.88E-01	4.45E+00
2029	494661.06	3859501.99	6.34882	1.55702	8.8798	2.54233	1.04E+00	1.21E+00	1.72E+00	1.87E-01	4.16E+00	1.02E+00	5.23E-05	1.89E-02	5.47E-03	1.05E+00	1.24E+00	1.21E+00	1.72E+00	1.87E-01	4.36E+00
2030	494711.06	3859501.99	6.18189	1.44801	8.9061	2.51232	1.01E+00	1.12E+00	1.73E+00	1.85E-01	4.05E+00	9.96E-01	4.86E-05	1.89E-02	5.41E-03	1.02E+00	1.21E+00	1.12E+00	1.73E+00	1.85E-01	4.24E+00
2031	494761.06	3859501.99	6.14982	1.45379	8.9609	2.50334	1.01E+00	1.13E+00	1.74E+00	1.84E-01	4.06E+00	9.91E-01	4.88E-05	1.91E-02	5.39E-03	1.02E+00	1.20E+00	1.13E+00	1.74E+00	1.84E-01	4.25E+00
2032	494811.06	3859501.99	6.03917	1.3131	8.9727	2.46224	9.88E-01	1.02E+00	1.74E+00	1.81E-01	3.93E+00	9.73E-01	4.41E-05	1.91E-02	5.30E-03	9.98E-01	1.18E+00	1.02E+00	1.74E+00	1.81E-01	4.12E+00
2033	494861.06	3859501.99	5.95712	1.28675	9.0118	2.44481	9.74E-01	9.98E-01	1.75E+00	1.80E-01	3.90E+00	9.60E-01	4.32E-05	1.92E-02	5.26E-03	9.84E-01	1.17E+00	9.98E-01	1.75E+00	1.80E-01	4.09E+00
2034	494911.06	3859501.99	5.82516	1.27715	9.0568	2.4309	9.53E-01	9.91E-01	1.76E+00	1.79E-01	3.88E+00	9.39E-01	4.29E-05	1.93E-02	5.23E-03	9.63E-01	1.14E+00	9.91E-01	1.76E+00	1.79E-01	4.07E+00
2035	494961.06	3859501.99	5.68662	1.22662	9.0583	2.40871	9.30E-01	9.51E-01	1.76E+00	1.77E-01	3.82E+00	9.16E-01	4.12E-05	1.93E-02	5.19E-03	9.41E-01	1.11E+00	9.52E-01	1.76E+00	1.77E-01	4.00E+00
2036	495011.06	3859501.99	5.64413	1.22211	8.9421	2.39508	9.23E-01	9.48E-01	1.73E+00	1.76E-01	3.78E+00	9.09E-01	4.11E-05	1.90E-02	5.16E-03	9.34E-01	1.10E+00	9.48E-01	1.73E+00	1.76E-01	3.96E+00
2037	495061.06	3859501.99	5.6447	1.22006	8.8195	2.38472	9.23E-01	9.46E-01	1.71E+00	1.76E-01	3.76E+00	9.10E-01	4.10E-05	1.88E-02	5.13E-03	9.33E-01	1.10E+00	9.46E-01	1.71E+00	1.76E-01	3.94E+00
2038	495111.06	3859501.99	5.58269	1.18583	8.7762	2.3717	9.13E-01	9.20E-01	1.70E+00	1.75E-01	3.71E+00	9.00E-01	3.98E-05	1.87E-02	5.11E-03	9.23E-01	1.09E+00	9.20E-01	1.70E+00	1.75E-01	3.89E+00
2039	495161.06	3859501.99	5.5712	1.18277	8.7337	2.36277	9.11E-01	9.17E-01	1.69E+00	1.74E-01	3.70E+00	8.98E-01	3.97E-05	1.86E-02	5.09E-03	9.21E-01	1.09E+00	9.18E-01	1.69E+00	1.74E-01	3.88E+00
2040	495211.06	3859501.99	5.55669	1.195	8.6663	2.35789	9.09E-01	9.27E-01	1.68E+00	1.74E-01	3.69E+00	8.95E-01	4.01E-05	1.84E-02	5.08E-03	9.19E-01	1.09E+00	9.27E-01	1.68E+00	1.74E-01	3.87E+00
2041	495261.06	3859501.99	5.50336	1.18914	8.6257	2.34817	9.00E-01	9.22E-01	1.67E+00	1.73E-01	3.67E+00	8.87E-01	3.99E-05	1.83E-02	5.06E-03	9.10E-01	1.08E+00	9.22E-01	1.67E+00	1.73E-01	3.84E+00
2042	495311.06	3859501.99	5.42428	1.19056	8.5894	2.34215	8.87E-01	9.24E-01	1.67E+00	1.72E-01	3.65E+00	8.74E-01	4.00E-05	1.83E-02	5.04E-03	8.97E-01	1.06E+00	9.24E-01	1.67E+00	1.72E-01	3.82E+00
2043	495361.06	3859501.99	5.36728	1.17769	8.4164	2.33151	8.78E-01	9.14E-01	1.63E+00	1.72E-01	3.60E+00	8.65E-01	3.96E-05	1.79E-02	5.02E-03	8.88E-01	1.05E+00	9.14E-01	1.63E+00	1.72E-01	3.77E+00
2044	495411.06	3859501.99	5.32163	1.16608	8.2473	2.3304	8.70E-01	9.05E-01	1.60E+00	1.72E-01	3.55E+00	8.57E-01	3.92E-05	1.75E-02	5.02E-03	8.80E-01	1.04E+00	9.05E-01	1.60E+00	1.72E-01	3.72E+00
2045	495461.06	3859501.99	5.28084	1.14241	8.0767	2.30987	8.64E-01	8.86E-01	1.57E+00	1.70E-01	3.49E+00	8.51E-01	3.84E-05	1.72E-02	4.97E-03	8.73E-01	1.03E+00	8.86E-01	1.57E+00	1.70E-01	3.66E+00
2046	495511.06	3859501.99	5.1948	1.06592	7.8741	2.27566	8.50E-01	8.27E-01	1.53E+00	1.68E-01	3.37E+00	8.37E-01	3.58E-05	1.67E-02	4.90E-03	8.59E-01	1.02E+00	8.27E-01	1.53E+00	1.68E-01	3.54E+00
2047	495561.06	3859501.99	5.17095	1.0804	7.6804	2.25352	8.46E-01	8.38E-01	1.49E+00	1.66E-01	3.34E+00	8.33E-01	3.63E-05	1.63E-02	4.85E-03	8.54E-01	1.01E+00	8.38E-01	1.49E+00	1.66E-01	3.51E+00
2048	495611.06	3859501.99	5.12529	1.05943	7.4821	2.22927	8.38E-01	8.22E-01	1.45E+00	1.64E-01	3.28E+00	8.26E-01	3.56E-05	1.59E-02	4.80E-03	8.47E-01	1.00E+00	8.22E-01	1.45E+00	1.64E-01	3.44E+00
2049	495661.06	3859501.99	5.05709	1.03653	7.2845	2.20382	8.27E-01	8.04E-01	1.41E+00	1.62E-01	3.21E+00	8.15E-01	3.48E-05	1.55E-02	4.74E-03	8.35E-01	9.90E-01	8.04E-01	1.41E+00	1.62E-01	3.37E+00
2050	494311.06	3859551.99	7.28581	2.05143	8.4626	2.56808	1.19E+00	1.59E+00	1.64E+00	1.89E-01	4.61E+00	1.17E+00	6.89E-05	1.80E-02	5.53E-03	1.20E+00	1.43E+00	1.59E+00	1.64E+00	1.89E-01	4.85E+00
2051	494361.06	3859551.99	7.23552	1.91287	8.4842	2.55881	1.18E+00	1.48E+00	1.65E+00	1.88E-01	4.50E+00	1.17E+00	6.43E-05	1.80E-02	5.51E-03	1.19E+00	1.42E+00	1.48E+00	1.65E+00	1.88E-01	4.73E+00
2052	494411.06	3859551.99	7.11855	1.73725	8.5045	2.53828	1.16E+00	1.35E+00	1.65E+00	1.87E-01	4.35E+00	1.15E+00	5.84E-05	1.81E-02	5.46E-03	1.17E+00	1.39E+00	1.35E+00	1.65E+00	1.87E-01	4.58E+00
2053	494461.06	3859551.99	6.99624	1.82244	8.6224	2.53304	1.14E+00	1.41E+00	1.67E+00	1.86E-01	4.42E+00	1.13E+00	6.12E-05	1.83E-02	5.45E-03	1.15E+00	1.37E+00	1.41E+00	1.67E+00	1.86E-01	4.64E+00
2054	494511.06	3859551.99	6.81634	1.75235	8.6763	2.51822	1.11E+00	1.36E+00	1.68E+00	1.85E-01	4.34E+00	1.10E+00	5.89E-05	1.84E-02	5.42E-03	1.12E+00	1.33E+00	1.36E+00	1.68E+00	1.85E-01	4.56E+00
2055	494561.06	3859551.99	6.61765	1.7139	8.6988	2.49694	1.08E+00	1.33E+00	1.69E+00	1.84E-01	4.28E+00	1.07E+00	5.76E-05	1.85E-02	5.38E-03	1.09E+00	1.29E+00	1.33E+00	1.69E+00	1.84E-01	4.50E+00
2056	494611.06	3859551.99	6.46921	1.7148	8.6514	2.48022	1.06E+00	1.33E+00	1.68E+00	1.83E-01	4.25E+00	1.04E+00	5.76E-05	1.84E-02	5.34E-03	1.07E+00	1.27E+00	1.33E+00	1.68E+00	1.83E-01	4.46E+00
2057	494661.06	3859551.99	6.40517	1.69167	8.6399	2.46532	1.05E+00	1.31E+00	1.68E+00	1.82E-01	4.22E+00	1.03E+00	5.68E-05	1.84E-02	5.31E-03	1.06E+00	1.25E+00	1.31E+00	1.68E+00	1.82E-01	4.42E+00
2058	494711.06	3859551.99	6.3138	1.51599	8.5976	2.43829	1.03E+00	1.18E+00	1.67E+00	1.80E-01	4.06E+00	1.02E+00	5.09E-05	1.83E-02	5.25E-03	1.04E+00	1.24E+00	1.18E+00	1.67E+00	1.80E-01	4.26E+00
2059	494761.06	3859551.99	6.33049	1.58034	8.6178	2.44035	1.04E+00	1.23E+00	1.67E+00	1.80E-01	4.11E+00	1.02E+00	5.31E-05	1.83E-02	5.25E-03	1.04E+00	1.24E+00	1.23E+00	1.67E+00	1.80E-01	4.32E+00
2060	494811.06	3859551.99	6.16639	1.47279	8.5462	2.42862	1.01E+00	1.14E+00	1.66E+00	1.79E-01	3.99E+00	9.94E-01	4.95E-05	1.82E-02	5.23E-03	1.02E+00	1.21E+00	1.14E+00	1.66E+00	1.79E-01	4.19E+00
2061	494861.06	3859551.99	6.07114	1.43766	8.506	2.4179	9.93E-01	1.12E+00	1.65E+00	1.78E-01	3.94E+00	9.78E-01	4.83E-05	1.81E-02	5.21E-03	1.00E+00	1.19E+00	1.12E+00	1.65E+00	1.78E-01	4.13E+00
2062	494911.06	3859551.99	6.00851	1.38373	8.5455	2.40563	9.83E-01	1.07E+00	1.66E+00	1.77E-01	3.89E+00	9.68E-01	4.65E-05	1.82E-02	5.18E-03	9.92E-01	1.18E+00	1.07E+00	1.66E+00	1.77E-01	4.08E+00
2063	494961.06	3859551.99	5.99374	1.37193	8.5947	2.39245	9.80E-01	1.06E+00	1.67E+00	1.76E-01	3.89E+00	9.66E-01	4.61E-05	1.83E-02	5.15E-03	9.89E-01	1.17E+00	1.06E+00	1.67E+00	1.76E-01	4.08E+00
2064	495011.06	3859551.99	5.90471	1.37197	8.6453	2.37956	9.66E-01	1.06E+00	1.68E+00	1.75E-01	3.88E+00	9.51E-01	4.61E-05	1.84E-02	5.12E-03	9.75E-01	1.16E+00	1.06E+00	1.68E+00	1.75E-01	4.07E+00
2065	495061.06	3859551.99	5.75165	1.3476	8.6862	2.36668	9.41E-01	1.05E+00	1.68E+00	1.74E-01	3.84E+00	9.27E-01	4.53E-05	1.85E-02	5.09E-03	9.50E-01	1.13E+00	1.05E+00	1.68E+00	1.74E-01	4.03E+00
2066	495111.06	3859551.99	5.66583	1.30704	8.7209	2.3583	9.27E-01	1.01E+00	1.69E+00	1.74E-01	3.81E+00	9.13E-01	4.39E-05	1.85E-02	5.08E-03	9.37E-01	1.11E+00	1.01E+00	1.69E+00	1.74E-01	3.99E+00
2067	495161.06	3859551.99	5.6519	1.31152	8.7678	2.34678	9.24E-01	1.02E+00	1.70E+00	1.73E-01	3.81E+00	9.11E-01	4.41E-05	1.86E-02	5.05E-03	9.34E-01	1.11E+00	1.02E+00	1.70E+00	1.73E-01	4.00E+00
2068	495211.06	3859551.99	5.67577	1.32972	8.6913	2.33969	9.28E-01	1.03E+00	1.69E+00	1.72E-01	3.82E+00	9.15E-01	4.47E-05	1.85E-02	5.04E-03	9.38E-01	1.11E+00	1.03E+00	1.69E+00	1.72E-01	4.00E+00
2069	495261.06	3859551.99	5.62695	1.30436	8.5522	2.32665	9.20E-01	1.01E+00	1.66E+00	1.71E-01	3.76E+00	9.07E-01	4.38E-05	1.82E-02	5.01E-03	9.30E-01	1.10E+00	1.01E+00	1.66E+00	1.71E-01	3.94E+00
2070	495311.06	3859551.99	5.6087	1.29422	8.5211	2.31641	9.17E-01	1.00E+00	1.65E+00	1.71E-01	3.74E+00	9.04E-01	4.35E-05	1.81E-02	4.99E-03	9.27E-01	1.10E+00	1.00E+00	1.65E+00	1.71E-01	3.92E+00

2071	495361.06	3859551.99	5.54845	1.29099	8.4788	2.30832	9.08E-01	1.00E+00	1.64E+00	1.70E-01	3.72E+00	8.94E-01	4.34E-05	1.80E-02	4.97E-03	9.17E-01	1.09E+00	1.00E+00	1.64E+00	1.70E-01	3.90E+00
2072	495411.06	3859551.99	5.50555	1.28792	8.4123	2.30238	9.00E-01	9.99E-01	1.63E+00	1.70E-01	3.70E+00	8.87E-01	4.33E-05	1.79E-02	4.96E-03	9.10E-01	1.08E+00	9.99E-01	1.63E+00	1.70E-01	3.88E+00
2073	495461.06	3859551.99	5.40116	1.24556	8.3487	2.28467	8.83E-01	9.66E-01	1.62E+00	1.68E-01	3.64E+00	8.70E-01	4.18E-05	1.78E-02	4.92E-03	8.93E-01	1.06E+00	9.66E-01	1.62E+00	1.68E-01	3.81E+00
2074	495511.06	3859551.99	5.32284	1.20292	8.2856	2.26618	8.71E-01	9.33E-01	1.61E+00	1.67E-01	3.58E+00	8.58E-01	4.04E-05	1.76E-02	4.88E-03	8.80E-01	1.04E+00	9.33E-01	1.61E+00	1.67E-01	3.75E+00
2075	495561.06	3859551.99	5.27108	1.18791	8.2367	2.26684	8.62E-01	9.21E-01	1.60E+00	1.67E-01	3.55E+00	8.49E-01	3.99E-05	1.75E-02	4.88E-03	8.72E-01	1.03E+00	9.22E-01	1.60E+00	1.67E-01	3.72E+00
2076	495611.06	3859551.99	5.24222	1.16399	8.0713	2.26556	8.57E-01	9.03E-01	1.57E+00	1.67E-01	3.49E+00	8.45E-01	3.91E-05	1.72E-02	4.88E-03	8.67E-01	1.03E+00	9.03E-01	1.57E+00	1.67E-01	3.66E+00
2077	495661.06	3859551.99	5.19481	1.13761	7.9028	2.2435	8.50E-01	8.82E-01	1.53E+00	1.65E-01	3.43E+00	8.37E-01	3.82E-05	1.68E-02	4.83E-03	8.59E-01	1.02E+00	8.82E-01	1.53E+00	1.65E-01	3.60E+00
2078	494311.06	3859601.99	7.06519	2.173	8.3325	2.55014	1.16E+00	1.69E+00	1.62E+00	1.88E-01	4.64E+00	1.14E+00	7.30E-05	1.77E-02	5.49E-03	1.16E+00	1.38E+00	1.69E+00	1.62E+00	1.88E-01	4.87E+00
2079	494361.06	3859601.99	7.06367	1.94516	8.3468	2.54169	1.16E+00	1.51E+00	1.62E+00	1.87E-01	4.47E+00	1.14E+00	6.53E-05	1.77E-02	5.47E-03	1.16E+00	1.38E+00	1.51E+00	1.62E+00	1.87E-01	4.70E+00
2080	494411.06	3859601.99	7.1004	1.86862	8.2402	2.53273	1.16E+00	1.45E+00	1.60E+00	1.86E-01	4.40E+00	1.14E+00	6.28E-05	1.75E-02	5.45E-03	1.17E+00	1.39E+00	1.45E+00	1.60E+00	1.86E-01	4.62E+00
2081	494461.06	3859601.99	7.1484	1.92519	8.1905	2.52164	1.17E+00	1.49E+00	1.59E+00	1.86E-01	4.44E+00	1.15E+00	6.47E-05	1.74E-02	5.43E-03	1.17E+00	1.40E+00	1.49E+00	1.59E+00	1.86E-01	4.67E+00
2082	494511.06	3859601.99	7.07426	1.81872	8.1545	2.49938	1.16E+00	1.41E+00	1.58E+00	1.84E-01	4.33E+00	1.14E+00	6.11E-05	1.73E-02	5.38E-03	1.16E+00	1.38E+00	1.41E+00	1.58E+00	1.84E-01	4.56E+00
2083	494561.06	3859601.99	6.98182	1.85114	8.1961	2.48817	1.14E+00	1.44E+00	1.59E+00	1.83E-01	4.35E+00	1.12E+00	6.22E-05	1.74E-02	5.36E-03	1.15E+00	1.37E+00	1.44E+00	1.59E+00	1.83E-01	4.57E+00
2084	494611.06	3859601.99	6.81843	1.86046	8.2269	2.48063	1.12E+00	1.44E+00	1.60E+00	1.83E-01	4.34E+00	1.10E+00	6.25E-05	1.75E-02	5.34E-03	1.12E+00	1.33E+00	1.44E+00	1.60E+00	1.83E-01	4.56E+00
2085	494661.06	3859601.99	6.61726	1.71962	8.2734	2.46732	1.08E+00	1.33E+00	1.60E+00	1.82E-01	4.20E+00	1.07E+00	5.78E-05	1.76E-02	5.31E-03	1.09E+00	1.29E+00	1.33E+00	1.60E+00	1.82E-01	4.41E+00
2086	494711.06	3859601.99	6.43466	1.63087	8.3183	2.44922	1.05E+00	1.27E+00	1.61E+00	1.80E-01	4.11E+00	1.04E+00	5.48E-05	1.77E-02	5.27E-03	1.06E+00	1.26E+00	1.27E+00	1.61E+00	1.80E-01	4.32E+00
2087	494761.06	3859601.99	6.35433	1.75473	8.3814	2.45149	1.04E+00	1.36E+00	1.63E+00	1.80E-01	4.21E+00	1.02E+00	5.89E-05	1.78E-02	5.28E-03	1.05E+00	1.24E+00	1.36E+00	1.63E+00	1.80E-01	4.41E+00
2088	494811.06	3859601.99	6.26952	1.62939	8.3435	2.43373	1.03E+00	1.26E+00	1.62E+00	1.79E-01	4.09E+00	1.01E+00	5.47E-05	1.77E-02	5.24E-03	1.03E+00	1.23E+00	1.26E+00	1.62E+00	1.79E-01	4.29E+00
2089	494861.06	3859601.99	6.26757	1.60569	8.2857	2.42489	1.03E+00	1.25E+00	1.61E+00	1.79E-01	4.06E+00	1.01E+00	5.39E-05	1.76E-02	5.22E-03	1.03E+00	1.23E+00	1.25E+00	1.61E+00	1.79E-01	4.26E+00
2090	494911.06	3859601.99	6.1547	1.51878	8.2587	2.40844	1.01E+00	1.18E+00	1.60E+00	1.77E-01	3.96E+00	9.92E-01	5.10E-05	1.76E-02	5.18E-03	1.01E+00	1.20E+00	1.18E+00	1.60E+00	1.77E-01	4.16E+00
2091	494961.06	3859601.99	6.0901	1.57392	8.2912	2.4068	9.96E-01	1.22E+00	1.61E+00	1.77E-01	4.00E+00	9.81E-01	5.29E-05	1.76E-02	5.18E-03	1.00E+00	1.19E+00	1.22E+00	1.61E+00	1.77E-01	4.20E+00
2092	495011.06	3859601.99	5.99612	1.50427	8.2603	2.38975	9.81E-01	1.17E+00	1.60E+00	1.76E-01	3.93E+00	9.66E-01	5.05E-05	1.76E-02	5.14E-03	9.89E-01	1.17E+00	1.17E+00	1.60E+00	1.76E-01	4.12E+00
2093	495061.06	3859601.99	5.99207	1.5132	8.2238	2.38511	9.80E-01	1.17E+00	1.59E+00	1.76E-01	3.92E+00	9.66E-01	5.08E-05	1.75E-02	5.13E-03	9.88E-01	1.17E+00	1.17E+00	1.59E+00	1.76E-01	4.12E+00
2094	495111.06	3859601.99	5.94284	1.46646	8.2394	2.37166	9.72E-01	1.14E+00	1.60E+00	1.75E-01	3.88E+00	9.58E-01	4.93E-05	1.75E-02	5.11E-03	9.80E-01	1.16E+00	1.14E+00	1.60E+00	1.75E-01	4.07E+00
2095	495161.06	3859601.99	5.82669	1.47071	8.2913	2.36551	9.53E-01	1.14E+00	1.61E+00	1.74E-01	3.88E+00	9.39E-01	4.94E-05	1.76E-02	5.09E-03	9.62E-01	1.14E+00	1.14E+00	1.61E+00	1.74E-01	4.06E+00
2096	495211.06	3859601.99	5.69623	1.45011	8.3364	2.35669	9.32E-01	1.12E+00	1.62E+00	1.74E-01	3.85E+00	9.18E-01	4.87E-05	1.77E-02	5.07E-03	9.41E-01	1.11E+00	1.12E+00	1.62E+00	1.74E-01	4.03E+00
2097	495261.06	3859601.99	5.66498	1.44299	8.3833	2.34928	9.27E-01	1.12E+00	1.63E+00	1.73E-01	3.84E+00	9.13E-01	4.85E-05	1.78E-02	5.06E-03	9.36E-01	1.11E+00	1.12E+00	1.63E+00	1.73E-01	4.03E+00
2098	495311.06	3859601.99	5.67163	1.44516	8.4301	2.34245	9.28E-01	1.12E+00	1.63E+00	1.72E-01	3.86E+00	9.14E-01	4.85E-05	1.79E-02	5.04E-03	9.37E-01	1.11E+00	1.12E+00	1.63E+00	1.72E-01	4.04E+00
2099	495361.06	3859601.99	5.64872	1.42528	8.4815	2.33271	9.24E-01	1.11E+00	1.64E+00	1.72E-01	3.85E+00	9.10E-01	4.79E-05	1.80E-02	5.02E-03	9.33E-01	1.11E+00	1.11E+00	1.64E+00	1.72E-01	4.03E+00
2100	495411.06	3859601.99	5.614	1.42214	8.5108	2.32546	9.18E-01	1.10E+00	1.65E+00	1.71E-01	3.84E+00	9.05E-01	4.78E-05	1.81E-02	5.01E-03	9.28E-01	1.10E+00	1.10E+00	1.65E+00	1.71E-01	4.02E+00
2101	495461.06	3859601.99	5.57059	1.3554	8.3219	2.30904	9.11E-01	1.05E+00	1.61E+00	1.70E-01	3.75E+00	8.98E-01	4.55E-05	1.77E-02	4.97E-03	9.20E-01	1.09E+00	1.05E+00	1.61E+00	1.70E-01	3.93E+00
2102	495511.06	3859601.99	5.4753	1.30213	8.2059	2.29142	8.96E-01	1.01E+00	1.59E+00	1.69E-01	3.67E+00	8.82E-01	4.37E-05	1.74E-02	4.93E-03	9.05E-01	1.07E+00	1.01E+00	1.59E+00	1.69E-01	3.84E+00
2103	495561.06	3859601.99	5.43461	1.31305	8.206	2.28763	8.89E-01	1.02E+00	1.59E+00	1.68E-01	3.67E+00	8.76E-01	4.41E-05	1.74E-02	4.92E-03	8.98E-01	1.06E+00	1.02E+00	1.59E+00	1.68E-01	3.84E+00
2104	495611.06	3859601.99	5.32762	1.257	8.0928	2.26479	8.71E-01	9.75E-01	1.57E+00	1.67E-01	3.58E+00	8.58E-01	4.22E-05	1.72E-02	4.88E-03	8.81E-01	1.04E+00	9.75E-01	1.57E+00	1.67E-01	3.75E+00
2105	495661.06	3859601.99	5.2888	1.25153	8.0538	2.26574	8.65E-01	9.71E-01	1.56E+00	1.67E-01	3.56E+00	8.52E-01	4.20E-05	1.71E-02	4.88E-03	8.74E-01	1.03E+00	9.71E-01	1.56E+00	1.67E-01	3.73E+00
2106	494311.06	3859651.99	7.05789	2.24226	8.0125	2.51012	1.15E+00	1.74E+00	1.55E+00	1.85E-01	4.63E+00	1.14E+00	7.53E-05	1.70E-02	5.40E-03	1.16E+00	1.38E+00	1.74E+00	1.55E+00	1.85E-01	4.86E+00
2107	494361.06	3859651.99	6.95572	2.06259	7.9471	2.5013	1.14E+00	1.60E+00	1.54E+00	1.84E-01	4.46E+00	1.12E+00	6.93E-05	1.69E-02	5.38E-03	1.14E+00	1.36E+00	1.60E+00	1.54E+00	1.84E-01	4.69E+00
2108	494411.06	3859651.99	6.90354	2.01632	8.043	2.50108	1.13E+00	1.56E+00	1.56E+00	1.84E-01	4.44E+00	1.11E+00	6.77E-05	1.71E-02	5.38E-03	1.13E+00	1.35E+00	1.56E+00	1.56E+00	1.84E-01	4.66E+00
2109	494461.06	3859651.99	6.93475	2.0618	8.0324	2.50481	1.13E+00	1.60E+00	1.56E+00	1.84E-01	4.48E+00	1.12E+00	6.93E-05	1.71E-02	5.39E-03	1.14E+00	1.36E+00	1.60E+00	1.56E+00	1.84E-01	4.70E+00
2110	494511.06	3859651.99	6.95456	2.01177	8.0589	2.50167	1.14E+00	1.56E+00	1.56E+00	1.84E-01	4.44E+00	1.12E+00	6.76E-05	1.71E-02	5.39E-03	1.14E+00	1.36E+00	1.56E+00	1.56E+00	1.84E-01	4.67E+00
2111	494561.06	3859651.99	7.01523	1.99406	8.0945	2.49982	1.15E+00	1.55E+00	1.57E+00	1.84E-01	4.45E+00	1.13E+00	6.70E-05	1.72E-02	5.38E-03	1.15E+00	1.37E+00	1.55E+00	1.57E+00	1.84E-01	4.67E+00
2112	494611.06	3859651.99	7.03811	1.97374	8.0041	2.48528	1.15E+00	1.53E+00	1.55E+00	1.83E-01	4.42E+00	1.13E+00	6.63E-05	1.70E-02	5.35E-03	1.16E+00	1.38E+00	1.53E+00	1.55E+00	1.83E-01	4.64E+00
2113	494661.06	3859651.99	6.92683	1.80631	7.9212	2.46435	1.13E+00	1.40E+00	1.54E+00	1.81E-01	4.25E+00	1.12E+00	6.07E-05	1.68E-02	5.31E-03	1.14E+00	1.36E+00	1.40E+00	1.54E+00	1.81E-01	4.47E+00
2114	494711.06	3859651.99	6.79444	1.79557	7.902	2.45214	1.11E+00	1.39E+00	1.53E+00	1.81E-01	4.22E+00	1.09E+00	6.03E-05	1.68E-02	5.28E-03	1.12E+00	1.33E+00	1.39E+00	1.53E+00	1.81E-01	4.44E+00
2115	494761.06	3859651.99	6.62515	1.8115	7.9333	2.44278	1.08E+00	1.41E+00	1.54E+00	1.80E-01	4.21E+00	1.07E+00	6.09E-05	1.69E-02	5.26E-03	1.09E+00	1.30E+00	1.41E+00	1.54E+00	1.80E-01	4.42E+00
2116	494811.06	3859651.99	6.46057	1.75945	7.9497	2.43655	1.06E+00	1.36E+00	1.54E+00	1.79E-01	4.14E+00	1.04E+00	5.91E-05	1.69E-02	5.25E-03	1.06E+00	1.26E+00	1.36E+00	1.54E+00	1.79E-01	4.35E+00
2117	494861.06	3859651.99	6.31589	1.75614	7.9726	2.43273	1.03E+00	1.36E+00	1.55E+00	1.79E-01	4.12E+00	1.02E+00	5.90E-05	1.70E-02	5.24E-03	1.04E+00	1.24E+00	1.36E+00	1.55E+00	1.79E-01	4.32E+00
2118	494911.06	3859651.99	6.21185	1.72858	8.0373	2.42779	1.02E+00	1.34E+00	1.56E+00	1.79E-01	4.09E+00	1.00E+00	5.81E-05	1.71E-02	5.23E-03	1.02E+00	1.22E+00	1.34E+00	1.56E+00	1.79E-01	4.29E+00
2119	494961.06	3859651.99	6.21646	1.71804	8.0637	2.42373	1.02E+00	1.33E+00	1.56E+00	1.78E-01	4.09E+00	1.00E+00	5.77E-05	1.71E-02	5.22E-03	1.02E+00	1.22E+00	1.33E+00	1.56E+00	1.78E-01	4.29E+00
2120	495011.06	3859651.99	6.17354	1.69159	8.0829	2.4129	1.01E+00	1.31E+00	1.57E+00	1.78E-01	4.07E+00	9.95E-01	5.68E-05	1.72E-02	5.19E-03	1.02E+00	1.21E+00	1.31E+00	1.57E+00	1.78E-01	4.27E+00
2121	495061.06	3859651.99	6.09829	1.68625	8.0321	2.39713	9.97E-01	1.31E+00	1.56E+00	1.76E-01	4.04E+00	9.83E-01	5.66E-05	1.71E-02	5.16E-03	1.00E+00	1.19E+00	1.31E+00	1.56E+00	1.76E-01	4.24E+00
2122	495111.06	3859651.99	6.01104	1.63913	7.987	2.37942	9.83E-01	1.27E+00	1.55E+00	1.75E-01	3.98E+00	9.69E-01	5.51E-05	1.70E-02	5.12E-03	9.91E-01	1.18E+00	1.27E+00	1.55E+00	1.75E-01	4.17E+00
2123	495161.06	3859651.99	5.95527	1.61981	7.9915	2.36305	9.74E-01	1.26E+00	1.55E+00	1.74E-01	3.95E+00	9.60E-01	5.44E-05	1.70E-02	5.09E-03	9.82E-01	1.17E+00	1.26E+00	1.55E+00	1.74E-01	4.15E+00
2124	495211.06	3859651.99	5.95277	1.6173	8.0032	2.34748	9.74E-01	1.25E+00	1.55E+00	1.73E-01	3.95E+00	9.59E-01	5.43E-05	1.70E-02	5.05E-03	9.81E-01	1.16E+00	1.25E+00	1.55E+00	1.73E-01	4.14E+00
2125	495261.06	3859651.99	5.88898	1.59544	7.9467	2.33204	9.63E-01	1.24E+00	1.54E+00	1.72E-01	3.91E+00	9.49E-01	5.36E-05	1.69E-02	5.02E-03	9.71E-01	1.15E+00	1.24E+00	1.54E+00	1.72E-01	4.10E+00
2126	495311.06	3859651.99	5.75368	1.57956	7.956	2.32282	9.41E-01	1.23E+00	1.54E+00	1.71E-01	3.88E+00	9.27E-01	5.31E-05	1.69E-02	5.00E-03	9.49E-01	1.13E+00	1.23E+00	1.54E+00	1.71E-01	4.06E+00
2127	495361.06	3859651.99	5.66248	1.56909	8.0209	2.31397	9.26E-01	1.22E+00	1.56E+00	1.70E-01	3.87E+00	9.12E-01	5.27E-05	1.71E-02	4.98E-03	9.34E-01	1.11E+00	1.22E+00	1.56E+00	1.70E-01	4.05E+00
2128	495411.06	3859651.99	5.64852	1.54527	8.0807	2.30411	9.24E-01	1.20E+00	1.57E+00	1.70E-01	3.86E+00	9.10E-01	5.19E-05	1.72E-02	4.96E-03	9.32E-01	1.11E+00	1.20E+00	1.57E+00	1.70E-01	4.04E+00
2129	495461.06	3859651.99	5.61631	1.47398	8.1243	2.29106	9.19E-01	1.14E+00	1.58E+00	1.69E-01	3.81E+00	9.05E-01	4.95E-05	1.73E-02	4.93E-03	9.27E-01	1.10E+00	1.14E+00	1.58E+00	1.69E-01	3.99E+00
2130	495511.06	3859651.99	5.57381	1.43789	8.1707	2.27886	9.12E-01	1.12E+00	1.58E+00	1.68E-01	3.78E+00	8.98E-01	4.83E-05	1.74E-02	4.91E-03	9.20E-01	1.09E+00	1.12E+00	1.58E+00	1.68E-01	3.96E+00
2131	495561.06	3859651.99	5.53273	1.42731	8.2301	2.26998	9.05E-01	1.11E+00	1.60E+00	1.67E-01	3.78E+00	8.91E-01	4.79E-05	1.75E-02	4.89E-03	9.14E-01	1.08E+00	1.11E+00	1.60E+00	1.67E-01	3.95E+00

2132	495611.06	3859651.99	5.48951	1.39655	8.281	2.25953	8.98E-01	1.08E+00	1.61E+00	1.66E-01	3.75E+00	8.85E-01	4.69E-05	1.76E-02	4.86E-03	9.07E-01	1.07E+00	1.08E+00	1.61E+00	1.66E-01	3.93E+00
2133	495661.06	3859651.99	5.44385	1.36029	8.1648	2.24539	8.90E-01	1.06E+00	1.58E+00	1.65E-01	3.69E+00	8.77E-01	4.57E-05	1.74E-02	4.83E-03	8.99E-01	1.07E+00	1.06E+00	1.58E+00	1.65E-01	3.87E+00
2134	494311.06	3859701.99	7.00994	2.15385	7.7681	2.49079	1.15E+00	1.67E+00	1.51E+00	1.83E-01	4.51E+00	1.13E+00	7.24E-05	1.65E-02	5.36E-03	1.15E+00	1.37E+00	1.67E+00	1.51E+00	1.83E-01	4.73E+00
2135	494361.06	3859701.99	6.998	2.11719	7.778	2.48334	1.14E+00	1.64E+00	1.51E+00	1.83E-01	4.48E+00	1.13E+00	7.11E-05	1.65E-02	5.35E-03	1.15E+00	1.37E+00	1.64E+00	1.51E+00	1.83E-01	4.70E+00
2136	494411.06	3859701.99	6.99157	2.13164	7.802	2.47794	1.14E+00	1.65E+00	1.51E+00	1.82E-01	4.49E+00	1.13E+00	7.16E-05	1.66E-02	5.33E-03	1.15E+00	1.37E+00	1.65E+00	1.51E+00	1.82E-01	4.72E+00
2137	494461.06	3859701.99	6.90097	2.20785	7.8029	2.47526	1.13E+00	1.71E+00	1.51E+00	1.82E-01	4.54E+00	1.11E+00	7.42E-05	1.66E-02	5.33E-03	1.13E+00	1.35E+00	1.71E+00	1.51E+00	1.82E-01	4.76E+00
2138	494511.06	3859701.99	6.79604	2.16962	7.7637	2.47586	1.11E+00	1.68E+00	1.51E+00	1.82E-01	4.48E+00	1.10E+00	7.29E-05	1.65E-02	5.33E-03	1.12E+00	1.33E+00	1.68E+00	1.51E+00	1.82E-01	4.70E+00
2139	494561.06	3859701.99	6.79818	2.15422	7.7525	2.47374	1.11E+00	1.67E+00	1.50E+00	1.82E-01	4.47E+00	1.10E+00	7.24E-05	1.65E-02	5.33E-03	1.12E+00	1.33E+00	1.67E+00	1.50E+00	1.82E-01	4.69E+00
2140	494611.06	3859701.99	6.77783	2.12607	7.851	2.47094	1.11E+00	1.65E+00	1.52E+00	1.82E-01	4.46E+00	1.09E+00	7.14E-05	1.67E-02	5.32E-03	1.11E+00	1.33E+00	1.65E+00	1.52E+00	1.82E-01	4.68E+00
2141	494661.06	3859701.99	6.84847	1.9699	7.7578	2.46309	1.12E+00	1.53E+00	1.50E+00	1.81E-01	4.33E+00	1.10E+00	6.62E-05	1.65E-02	5.30E-03	1.13E+00	1.34E+00	1.53E+00	1.50E+00	1.81E-01	4.55E+00
2142	494711.06	3859701.99	6.90457	1.99232	7.8241	2.46177	1.13E+00	1.55E+00	1.52E+00	1.81E-01	4.37E+00	1.11E+00	6.69E-05	1.66E-02	5.30E-03	1.13E+00	1.35E+00	1.55E+00	1.52E+00	1.81E-01	4.60E+00
2143	494761.06	3859701.99	6.87806	1.9324	7.8324	2.44723	1.12E+00	1.50E+00	1.52E+00	1.80E-01	4.32E+00	1.11E+00	6.49E-05	1.67E-02	5.27E-03	1.13E+00	1.35E+00	1.50E+00	1.52E+00	1.80E-01	4.54E+00
2144	494811.06	3859701.99	6.78826	1.87059	7.7358	2.43016	1.11E+00	1.45E+00	1.50E+00	1.79E-01	4.24E+00	1.09E+00	6.28E-05	1.64E-02	5.23E-03	1.12E+00	1.33E+00	1.45E+00	1.50E+00	1.79E-01	4.46E+00
2145	494861.06	3859701.99	6.61478	1.89858	7.6862	2.42051	1.08E+00	1.47E+00	1.49E+00	1.78E-01	4.22E+00	1.07E+00	6.38E-05	1.63E-02	5.21E-03	1.09E+00	1.29E+00	1.47E+00	1.49E+00	1.78E-01	4.44E+00
2146	494911.06	3859701.99	6.46162	1.85448	7.6664	2.40854	1.06E+00	1.44E+00	1.49E+00	1.77E-01	4.16E+00	1.04E+00	6.23E-05	1.63E-02	5.18E-03	1.06E+00	1.26E+00	1.44E+00	1.49E+00	1.77E-01	4.37E+00
2147	494961.06	3859701.99	6.32008	1.81723	7.6903	2.39666	1.03E+00	1.41E+00	1.49E+00	1.76E-01	4.11E+00	1.02E+00	6.10E-05	1.64E-02	5.16E-03	1.04E+00	1.24E+00	1.41E+00	1.49E+00	1.76E-01	4.31E+00
2148	495011.06	3859701.99	6.1923	1.82423	7.7169	2.39106	1.01E+00	1.42E+00	1.50E+00	1.76E-01	4.10E+00	9.98E-01	6.13E-05	1.64E-02	5.15E-03	1.02E+00	1.21E+00	1.42E+00	1.50E+00	1.76E-01	4.30E+00
2149	495061.06	3859701.99	6.13296	1.80915	7.7359	2.38745	1.00E+00	1.40E+00	1.50E+00	1.76E-01	4.08E+00	9.88E-01	6.08E-05	1.64E-02	5.14E-03	1.01E+00	1.20E+00	1.40E+00	1.50E+00	1.76E-01	4.28E+00
2150	495111.06	3859701.99	6.13715	1.79185	7.7689	2.38377	1.00E+00	1.39E+00	1.51E+00	1.76E-01	4.08E+00	9.89E-01	6.02E-05	1.65E-02	5.13E-03	1.01E+00	1.20E+00	1.39E+00	1.51E+00	1.76E-01	4.27E+00
2151	495161.06	3859701.99	6.07146	1.76612	7.7903	2.37018	9.93E-01	1.37E+00	1.51E+00	1.75E-01	4.05E+00	9.78E-01	5.93E-05	1.66E-02	5.10E-03	1.00E+00	1.19E+00	1.37E+00	1.51E+00	1.75E-01	4.24E+00
2152	495211.06	3859701.99	5.99296	1.74062	7.8083	2.35355	9.80E-01	1.35E+00	1.51E+00	1.73E-01	4.02E+00	9.66E-01	5.85E-05	1.66E-02	5.07E-03	9.87E-01	1.17E+00	1.35E+00	1.51E+00	1.73E-01	4.21E+00
2153	495261.06	3859701.99	5.94232	1.76582	7.793	2.34	9.72E-01	1.37E+00	1.51E+00	1.72E-01	4.03E+00	9.57E-01	5.93E-05	1.66E-02	5.04E-03	9.79E-01	1.16E+00	1.37E+00	1.51E+00	1.72E-01	4.22E+00
2154	495311.06	3859701.99	5.90043	1.73285	7.7385	2.32137	9.65E-01	1.34E+00	1.50E+00	1.71E-01	3.98E+00	9.51E-01	5.82E-05	1.65E-02	5.00E-03	9.72E-01	1.15E+00	1.34E+00	1.50E+00	1.71E-01	4.17E+00
2155	495361.06	3859701.99	5.89719	1.69988	7.7222	2.30597	9.65E-01	1.32E+00	1.50E+00	1.70E-01	3.95E+00	9.50E-01	5.71E-05	1.64E-02	4.96E-03	9.72E-01	1.15E+00	1.32E+00	1.50E+00	1.70E-01	4.14E+00
2156	495411.06	3859701.99	5.78452	1.64596	7.7216	2.29161	9.46E-01	1.28E+00	1.50E+00	1.69E-01	3.89E+00	9.32E-01	5.53E-05	1.64E-02	4.93E-03	9.53E-01	1.13E+00	1.28E+00	1.50E+00	1.69E-01	4.07E+00
2157	495461.06	3859701.99	5.65433	1.61277	7.7205	2.27897	9.25E-01	1.25E+00	1.50E+00	1.68E-01	3.84E+00	9.11E-01	5.42E-05	1.64E-02	4.91E-03	9.32E-01	1.11E+00	1.25E+00	1.50E+00	1.68E-01	4.02E+00
2158	495511.06	3859701.99	5.55346	1.52648	7.6834	2.25819	9.08E-01	1.18E+00	1.49E+00	1.66E-01	3.75E+00	8.95E-01	5.13E-05	1.63E-02	4.86E-03	9.16E-01	1.09E+00	1.18E+00	1.49E+00	1.66E-01	3.93E+00
2159	495561.06	3859701.99	5.57844	1.54771	7.7763	2.25419	9.12E-01	1.20E+00	1.51E+00	1.66E-01	3.79E+00	8.99E-01	5.20E-05	1.65E-02	4.85E-03	9.20E-01	1.09E+00	1.20E+00	1.51E+00	1.66E-01	3.97E+00
2160	495611.06	3859701.99	5.54868	1.52201	7.8337	2.24176	9.08E-01	1.18E+00	1.52E+00	1.65E-01	3.77E+00	8.94E-01	5.11E-05	1.67E-02	4.83E-03	9.16E-01	1.09E+00	1.18E+00	1.52E+00	1.65E-01	3.95E+00
2161	495661.06	3859701.99	5.51627	1.48204	7.8875	2.22814	9.02E-01	1.15E+00	1.53E+00	1.64E-01	3.75E+00	8.89E-01	4.98E-05	1.68E-02	4.80E-03	9.10E-01	1.08E+00	1.15E+00	1.53E+00	1.64E-01	3.92E+00
2162	494311.06	3859751.99	6.69632	2.39849	7.5122	2.48648	1.10E+00	1.86E+00	1.46E+00	1.83E-01	4.60E+00	1.08E+00	8.06E-05	1.60E-02	5.35E-03	1.10E+00	1.31E+00	1.86E+00	1.46E+00	1.83E-01	4.81E+00
2163	494361.06	3859751.99	6.75133	2.35745	7.5522	2.48214	1.10E+00	1.83E+00	1.46E+00	1.83E-01	4.58E+00	1.09E+00	7.92E-05	1.61E-02	5.34E-03	1.11E+00	1.32E+00	1.83E+00	1.46E+00	1.83E-01	4.80E+00
2164	494411.06	3859751.99	6.85649	2.28831	7.5505	2.47717	1.12E+00	1.78E+00	1.46E+00	1.82E-01	4.54E+00	1.10E+00	7.69E-05	1.61E-02	5.33E-03	1.13E+00	1.34E+00	1.78E+00	1.46E+00	1.82E-01	4.76E+00
2165	494461.06	3859751.99	6.84794	2.34095	7.543	2.46407	1.12E+00	1.82E+00	1.46E+00	1.81E-01	4.58E+00	1.10E+00	7.86E-05	1.60E-02	5.30E-03	1.12E+00	1.34E+00	1.82E+00	1.46E+00	1.81E-01	4.80E+00
2166	494511.06	3859751.99	6.86301	2.35695	7.5562	2.45395	1.12E+00	1.83E+00	1.47E+00	1.81E-01	4.60E+00	1.11E+00	7.92E-05	1.61E-02	5.28E-03	1.13E+00	1.34E+00	1.83E+00	1.47E+00	1.81E-01	4.82E+00
2167	494561.06	3859751.99	6.82888	2.3182	7.5685	2.44674	1.12E+00	1.80E+00	1.47E+00	1.80E-01	4.56E+00	1.10E+00	7.79E-05	1.61E-02	5.27E-03	1.12E+00	1.34E+00	1.80E+00	1.47E+00	1.80E-01	4.78E+00
2168	494611.06	3859751.99	6.73419	2.24631	7.5494	2.44387	1.10E+00	1.74E+00	1.46E+00	1.80E-01	4.49E+00	1.09E+00	7.55E-05	1.61E-02	5.26E-03	1.11E+00	1.32E+00	1.74E+00	1.46E+00	1.80E-01	4.70E+00
2169	494661.06	3859751.99	6.67911	2.12681	7.5469	2.44708	1.09E+00	1.65E+00	1.46E+00	1.80E-01	4.39E+00	1.08E+00	7.14E-05	1.60E-02	5.27E-03	1.10E+00	1.31E+00	1.65E+00	1.46E+00	1.80E-01	4.60E+00
2170	494711.06	3859751.99	6.65801	2.15412	7.5296	2.43602	1.09E+00	1.67E+00	1.46E+00	1.79E-01	4.40E+00	1.07E+00	7.24E-05	1.60E-02	5.24E-03	1.09E+00	1.30E+00	1.67E+00	1.46E+00	1.79E-01	4.61E+00
2171	494761.06	3859751.99	6.68063	2.14139	7.5317	2.43285	1.09E+00	1.66E+00	1.46E+00	1.79E-01	4.39E+00	1.08E+00	7.19E-05	1.60E-02	5.24E-03	1.10E+00	1.31E+00	1.66E+00	1.46E+00	1.79E-01	4.61E+00
2172	494811.06	3859751.99	6.76107	2.09372	7.6308	2.43192	1.11E+00	1.62E+00	1.48E+00	1.79E-01	4.39E+00	1.09E+00	7.03E-05	1.62E-02	5.24E-03	1.11E+00	1.32E+00	1.62E+00	1.48E+00	1.79E-01	4.61E+00
2173	494861.06	3859751.99	6.79459	2.06353	7.566	2.42854	1.11E+00	1.60E+00	1.47E+00	1.79E-01	4.36E+00	1.09E+00	6.93E-05	1.61E-02	5.23E-03	1.12E+00	1.33E+00	1.60E+00	1.47E+00	1.79E-01	4.58E+00
2174	494911.06	3859751.99	6.74755	2.03568	7.6194	2.4161	1.10E+00	1.58E+00	1.48E+00	1.78E-01	4.34E+00	1.09E+00	6.84E-05	1.62E-02	5.20E-03	1.11E+00	1.32E+00	1.58E+00	1.48E+00	1.78E-01	4.55E+00
2175	494961.06	3859751.99	6.6093	2.01356	7.6189	2.40011	1.08E+00	1.56E+00	1.48E+00	1.77E-01	4.30E+00	1.06E+00	6.76E-05	1.62E-02	5.17E-03	1.09E+00	1.29E+00	1.56E+00	1.48E+00	1.77E-01	4.51E+00
2176	495011.06	3859751.99	6.44136	1.98344	7.5277	2.38419	1.05E+00	1.54E+00	1.46E+00	1.76E-01	4.23E+00	1.04E+00	6.66E-05	1.60E-02	5.13E-03	1.06E+00	1.26E+00	1.54E+00	1.46E+00	1.76E-01	4.43E+00
2177	495061.06	3859751.99	6.31428	1.97519	7.4664	2.38004	1.03E+00	1.53E+00	1.45E+00	1.75E-01	4.19E+00	1.02E+00	6.63E-05	1.59E-02	5.12E-03	1.04E+00	1.24E+00	1.53E+00	1.45E+00	1.75E-01	4.39E+00
2178	495111.06	3859751.99	6.17623	1.94659	7.454	2.3759	1.01E+00	1.51E+00	1.45E+00	1.75E-01	4.14E+00	9.95E-01	6.54E-05	1.58E-02	5.11E-03	1.02E+00	1.21E+00	1.51E+00	1.45E+00	1.75E-01	4.34E+00
2179	495161.06	3859751.99	6.05893	1.90126	7.4759	2.37137	9.91E-01	1.47E+00	1.45E+00	1.75E-01	4.09E+00	9.76E-01	6.39E-05	1.59E-02	5.10E-03	9.97E-01	1.19E+00	1.47E+00	1.45E+00	1.75E-01	4.28E+00
2180	495211.06	3859751.99	6.06365	1.86142	7.4937	2.3661	9.92E-01	1.44E+00	1.45E+00	1.74E-01	4.06E+00	9.77E-01	6.25E-05	1.59E-02	5.09E-03	9.98E-01	1.19E+00	1.44E+00	1.45E+00	1.74E-01	4.26E+00
2181	495261.06	3859751.99	6.03179	1.85634	7.5135	2.36062	9.87E-01	1.44E+00	1.46E+00	1.74E-01	4.06E+00	9.72E-01	6.24E-05	1.60E-02	5.08E-03	9.93E-01	1.18E+00	1.44E+00	1.46E+00	1.74E-01	4.25E+00
2182	495311.06	3859751.99	5.97166	1.83503	7.5264	2.34347	9.77E-01	1.42E+00	1.46E+00	1.73E-01	4.03E+00	9.62E-01	6.16E-05	1.60E-02	5.04E-03	9.83E-01	1.17E+00	1.42E+00	1.46E+00	1.73E-01	4.22E+00
2183	495361.06	3859751.99	5.90508	1.81804	7.5358	2.32671	9.66E-01	1.41E+00	1.46E+00	1.71E-01	4.01E+00	9.51E-01	6.11E-05	1.60E-02	5.01E-03	9.73E-01	1.16E+00	1.41E+00	1.46E+00	1.71E-01	4.20E+00
2184	495411.06	3859751.99	5.85304	1.79767	7.5567	2.31005	9.57E-01	1.39E+00	1.47E+00	1.70E-01	3.99E+00	9.43E-01	6.04E-05	1.61E-02	4.97E-03	9.64E-01	1.15E+00	1.39E+00	1.47E+00	1.70E-01	4.18E+00
2185	495461.06	3859751.99	5.82789	1.7613	7.5527	2.29797	9.53E-01	1.37E+00	1.46E+00	1.69E-01	3.95E+00	9.39E-01	5.92E-05	1.61E-02	4.95E-03	9.60E-01	1.14E+00	1.37E+00	1.46E+00	1.69E-01	4.14E+00
2186	495511.06	3859751.99	5.7896	1.71698	7.5121	2.28492	9.47E-01	1.33E+00	1.46E+00	1.68E-01	3.90E+00	9.33E-01	5.77E-05	1.60E-02	4.92E-03	9.54E-01	1.13E+00	1.33E+00	1.46E+00	1.68E-01	4.09E+00
2187	495561.06	3859751.99	5.66308	1.69224	7.48	2.27288	9.26E-01	1.31E+00	1.45E+00	1.67E-01	3.86E+00	9.13E-01	5.68E-05	1.59E-02	4.89E-03	9.33E-01	1.11E+00	1.31E+00	1.45E+00	1.67E-01	4.04E+00
2188	495611.06	3859751.99	5.55886	1.66202	7.4922	2.25823	9.09E-01	1.29E+00	1.45E+00	1.66E-01	3.82E+00	8.96E-01	5.58E-05	1.59E-02	4.86E-03	9.17E-01	1.09E+00	1.29E+00	1.45E+00	1.66E-01	4.00E+00
2189	495661.06	3859751.99	5.53664	1.64749	7.5193	2.24715	9.06E-01	1.28E+00	1.46E+00	1.65E-01	3.81E+00	8.92E-01	5.53E-05	1.60E-02	4.84E-03	9.13E-01	1.08E+00	1.28E+00	1.46E+00	1.65E-01	3.98E+00
2190	494311.06	3859801.99	6.73764	2.58385	6.9491	2.42508	1.10E+00	2.00E+00	1.35E+00	1.79E-01	4.63E+00	1.09E+00	8.68E-05	1.48E-02	5.22E-03	1.11E+00	1.32E+00	2.00E+00	1.35E+00	1.79E-01	4.85E+00
2191	494361.06	3859801.99	6.62141	2.5057	7.0697	2.4262	1.08E+00	1.94E+00	1.37E+00	1.79E-01	4.58E+00	1.07E+00	8.42E-05	1.50E-02	5.22E-03	1.09E+00	1.30E+00	1.94E+00	1.37E+00	1.79E-01	4.79E+00
2192	494411.06	3859801.99	6.54644	2.41949	7.1858	2.43819	1.07E+00	1.88E+00	1.39E+00	1.80E-01	4.52E+00	1.05E+00	8.13E-05	1.53E-02	5.25E-03	1.08E+00	1.28E+00	1.88E+00	1.39E+00	1.80E-01	4.73E+00

2193	494461.06	3859801.99	6.54885	2.46044	7.2936	2.43106	1.07E+00	1.91E+00	1.41E+00	1.79E-01	4.57E+00	1.06E+00	8.26E-05	1.55E-02	5.23E-03	1.08E+00	1.28E+00	1.91E+00	1.41E+00	1.79E-01	4.78E+00
2194	494511.06	3859801.99	6.63408	2.50866	7.3626	2.40911	1.09E+00	1.95E+00	1.43E+00	1.77E-01	4.64E+00	1.07E+00	8.43E-05	1.57E-02	5.19E-03	1.09E+00	1.30E+00	1.95E+00	1.43E+00	1.77E-01	4.85E+00
2195	494561.06	3859801.99	6.69341	2.47396	7.3663	2.43175	1.09E+00	1.92E+00	1.43E+00	1.79E-01	4.62E+00	1.08E+00	8.31E-05	1.57E-02	5.23E-03	1.10E+00	1.31E+00	1.92E+00	1.43E+00	1.79E-01	4.84E+00
2196	494611.06	3859801.99	6.71909	2.36559	7.3595	2.44037	1.10E+00	1.83E+00	1.43E+00	1.80E-01	4.54E+00	1.08E+00	7.95E-05	1.56E-02	5.25E-03	1.10E+00	1.31E+00	1.84E+00	1.43E+00	1.80E-01	4.76E+00
2197	494661.06	3859801.99	6.75529	2.32684	7.3519	2.43273	1.10E+00	1.80E+00	1.43E+00	1.79E-01	4.51E+00	1.09E+00	7.82E-05	1.56E-02	5.24E-03	1.11E+00	1.32E+00	1.81E+00	1.43E+00	1.79E-01	4.73E+00
2198	494711.06	3859801.99	6.70436	2.26206	7.3312	2.42411	1.10E+00	1.75E+00	1.42E+00	1.78E-01	4.45E+00	1.08E+00	7.60E-05	1.56E-02	5.22E-03	1.10E+00	1.31E+00	1.75E+00	1.42E+00	1.78E-01	4.67E+00
2199	494761.06	3859801.99	6.58534	2.31262	7.3095	2.41927	1.08E+00	1.79E+00	1.42E+00	1.78E-01	4.47E+00	1.06E+00	7.77E-05	1.55E-02	5.21E-03	1.08E+00	1.29E+00	1.79E+00	1.42E+00	1.78E-01	4.68E+00
2200	494811.06	3859801.99	6.5525	2.2672	7.2957	2.41132	1.07E+00	1.76E+00	1.41E+00	1.78E-01	4.42E+00	1.06E+00	7.62E-05	1.55E-02	5.19E-03	1.08E+00	1.28E+00	1.76E+00	1.41E+00	1.78E-01	4.63E+00
2201	494861.06	3859801.99	6.522	2.25156	7.3347	2.40422	1.07E+00	1.75E+00	1.42E+00	1.77E-01	4.41E+00	1.05E+00	7.56E-05	1.56E-02	5.18E-03	1.07E+00	1.28E+00	1.75E+00	1.42E+00	1.77E-01	4.62E+00
2202	494911.06	3859801.99	6.58621	2.19614	7.3339	2.39552	1.08E+00	1.70E+00	1.42E+00	1.76E-01	4.38E+00	1.06E+00	7.38E-05	1.56E-02	5.16E-03	1.08E+00	1.29E+00	1.70E+00	1.42E+00	1.76E-01	4.59E+00
2203	494961.06	3859801.99	6.66027	2.17245	7.3349	2.39112	1.09E+00	1.69E+00	1.42E+00	1.76E-01	4.37E+00	1.07E+00	7.30E-05	1.56E-02	5.15E-03	1.09E+00	1.30E+00	1.69E+00	1.42E+00	1.76E-01	4.59E+00
2204	495011.06	3859801.99	6.65755	2.14753	7.4311	2.38846	1.09E+00	1.67E+00	1.44E+00	1.76E-01	4.37E+00	1.07E+00	7.21E-05	1.58E-02	5.14E-03	1.09E+00	1.30E+00	1.67E+00	1.44E+00	1.76E-01	4.59E+00
2205	495061.06	3859801.99	6.58907	2.13352	7.3692	2.37958	1.08E+00	1.65E+00	1.43E+00	1.75E-01	4.34E+00	1.06E+00	7.17E-05	1.57E-02	5.12E-03	1.08E+00	1.29E+00	1.66E+00	1.43E+00	1.75E-01	4.55E+00
2206	495111.06	3859801.99	6.42763	2.09367	7.4124	2.36414	1.05E+00	1.62E+00	1.44E+00	1.74E-01	4.29E+00	1.04E+00	7.03E-05	1.58E-02	5.09E-03	1.06E+00	1.26E+00	1.62E+00	1.44E+00	1.74E-01	4.49E+00
2207	495161.06	3859801.99	6.29276	2.04784	7.3984	2.354	1.03E+00	1.59E+00	1.43E+00	1.73E-01	4.23E+00	1.01E+00	6.88E-05	1.57E-02	5.07E-03	1.03E+00	1.23E+00	1.59E+00	1.43E+00	1.73E-01	4.43E+00
2208	495211.06	3859801.99	6.16178	2.02753	7.3147	2.34595	1.01E+00	1.57E+00	1.42E+00	1.73E-01	4.17E+00	9.93E-01	6.81E-05	1.56E-02	5.05E-03	1.01E+00	1.21E+00	1.57E+00	1.42E+00	1.73E-01	4.37E+00
2209	495261.06	3859801.99	6.03309	1.98461	7.2483	2.33594	9.87E-01	1.54E+00	1.41E+00	1.72E-01	4.10E+00	9.72E-01	6.67E-05	1.54E-02	5.03E-03	9.93E-01	1.18E+00	1.54E+00	1.41E+00	1.72E-01	4.30E+00
2210	495311.06	3859801.99	5.95837	1.96867	7.2409	2.32766	9.75E-01	1.53E+00	1.40E+00	1.71E-01	4.08E+00	9.60E-01	6.61E-05	1.54E-02	5.01E-03	9.81E-01	1.17E+00	1.53E+00	1.40E+00	1.71E-01	4.27E+00
2211	495361.06	3859801.99	5.96763	1.93188	7.2617	2.31746	9.76E-01	1.50E+00	1.41E+00	1.71E-01	4.05E+00	9.62E-01	6.49E-05	1.54E-02	4.99E-03	9.82E-01	1.17E+00	1.50E+00	1.41E+00	1.71E-01	4.25E+00
2212	495411.06	3859801.99	5.90893	1.88164	7.2773	2.30597	9.66E-01	1.46E+00	1.41E+00	1.70E-01	4.01E+00	9.52E-01	6.32E-05	1.55E-02	4.96E-03	9.73E-01	1.16E+00	1.46E+00	1.41E+00	1.70E-01	4.20E+00
2213	495461.06	3859801.99	5.87334	1.84954	7.2928	2.29588	9.61E-01	1.43E+00	1.41E+00	1.69E-01	3.98E+00	9.46E-01	6.21E-05	1.55E-02	4.94E-03	9.67E-01	1.15E+00	1.43E+00	1.41E+00	1.69E-01	4.17E+00
2214	495511.06	3859801.99	5.80611	1.79731	7.2999	2.2805	9.50E-01	1.39E+00	1.42E+00	1.68E-01	3.93E+00	9.36E-01	6.04E-05	1.55E-02	4.91E-03	9.56E-01	1.14E+00	1.39E+00	1.42E+00	1.68E-01	4.11E+00
2215	495561.06	3859801.99	5.75472	1.78535	7.281	2.27109	9.41E-01	1.38E+00	1.41E+00	1.67E-01	3.91E+00	9.27E-01	6.00E-05	1.55E-02	4.89E-03	9.48E-01	1.13E+00	1.38E+00	1.41E+00	1.67E-01	4.09E+00
2216	495611.06	3859801.99	5.76592	1.80165	7.3303	2.26457	9.43E-01	1.40E+00	1.42E+00	1.67E-01	3.93E+00	9.29E-01	6.05E-05	1.56E-02	4.88E-03	9.50E-01	1.13E+00	1.40E+00	1.42E+00	1.67E-01	4.11E+00
2217	495661.06	3859801.99	5.69715	1.76403	7.359	2.25141	9.32E-01	1.37E+00	1.43E+00	1.66E-01	3.89E+00	9.18E-01	5.93E-05	1.56E-02	4.85E-03	9.39E-01	1.11E+00	1.37E+00	1.43E+00	1.66E-01	4.08E+00
2218	494311.06	3859851.99	6.54995	2.68426	6.6222	2.36021	1.07E+00	2.08E+00	1.28E+00	1.74E-01	4.61E+00	1.06E+00	9.02E-05	1.41E-02	5.08E-03	1.07E+00	1.28E+00	2.08E+00	1.28E+00	1.74E-01	4.82E+00
2219	494361.06	3859851.99	6.62624	2.63836	6.5663	2.35183	1.08E+00	2.05E+00	1.27E+00	1.73E-01	4.58E+00	1.07E+00	8.86E-05	1.40E-02	5.06E-03	1.09E+00	1.30E+00	2.05E+00	1.27E+00	1.73E-01	4.79E+00
2220	494411.06	3859851.99	6.65981	2.58037	6.5923	2.3433	1.09E+00	2.00E+00	1.28E+00	1.73E-01	4.54E+00	1.07E+00	8.67E-05	1.40E-02	5.04E-03	1.09E+00	1.30E+00	2.00E+00	1.28E+00	1.73E-01	4.76E+00
2221	494461.06	3859851.99	6.52571	2.55616	6.7195	2.3481	1.07E+00	1.98E+00	1.30E+00	1.73E-01	4.53E+00	1.05E+00	8.59E-05	1.43E-02	5.05E-03	1.07E+00	1.28E+00	1.98E+00	1.30E+00	1.73E-01	4.74E+00
2222	494511.06	3859851.99	6.41183	2.58837	6.8586	2.35462	1.05E+00	2.01E+00	1.33E+00	1.73E-01	4.56E+00	1.03E+00	8.69E-05	1.46E-02	5.07E-03	1.05E+00	1.25E+00	2.01E+00	1.33E+00	1.73E-01	4.77E+00
2223	494561.06	3859851.99	6.34711	2.61546	6.96	2.34928	1.04E+00	2.03E+00	1.35E+00	1.73E-01	4.59E+00	1.02E+00	8.79E-05	1.48E-02	5.06E-03	1.04E+00	1.24E+00	2.03E+00	1.35E+00	1.73E-01	4.79E+00
2224	494611.06	3859851.99	6.45924	2.49881	7.0964	2.37861	1.06E+00	1.94E+00	1.38E+00	1.75E-01	4.55E+00	1.04E+00	8.39E-05	1.51E-02	5.12E-03	1.06E+00	1.26E+00	1.94E+00	1.38E+00	1.75E-01	4.75E+00
2225	494661.06	3859851.99	6.55532	2.50483	7.1827	2.37815	1.07E+00	1.94E+00	1.39E+00	1.75E-01	4.58E+00	1.06E+00	8.41E-05	1.53E-02	5.12E-03	1.08E+00	1.28E+00	1.94E+00	1.39E+00	1.75E-01	4.79E+00
2226	494711.06	3859851.99	6.58602	2.41824	7.1733	2.41031	1.08E+00	1.88E+00	1.39E+00	1.77E-01	4.52E+00	1.06E+00	8.12E-05	1.53E-02	5.19E-03	1.08E+00	1.29E+00	1.88E+00	1.39E+00	1.77E-01	4.73E+00
2227	494761.06	3859851.99	6.59078	2.45178	7.179	2.40358	1.08E+00	1.90E+00	1.39E+00	1.77E-01	4.55E+00	1.06E+00	8.24E-05	1.53E-02	5.17E-03	1.08E+00	1.29E+00	1.90E+00	1.39E+00	1.77E-01	4.76E+00
2228	494811.06	3859851.99	6.59137	2.41452	7.1754	2.39611	1.08E+00	1.87E+00	1.39E+00	1.76E-01	4.52E+00	1.06E+00	8.11E-05	1.53E-02	5.16E-03	1.08E+00	1.29E+00	1.87E+00	1.39E+00	1.76E-01	4.73E+00
2229	494861.06	3859851.99	6.50868	2.4116	7.1645	2.38897	1.06E+00	1.87E+00	1.39E+00	1.76E-01	4.50E+00	1.05E+00	8.10E-05	1.52E-02	5.14E-03	1.07E+00	1.27E+00	1.87E+00	1.39E+00	1.76E-01	4.71E+00
2230	494911.06	3859851.99	6.44339	2.36175	7.1108	2.3811	1.05E+00	1.83E+00	1.38E+00	1.75E-01	4.44E+00	1.04E+00	7.93E-05	1.51E-02	5.13E-03	1.06E+00	1.26E+00	1.83E+00	1.38E+00	1.75E-01	4.65E+00
2231	494961.06	3859851.99	6.38348	2.33389	7.0542	2.37349	1.04E+00	1.81E+00	1.37E+00	1.75E-01	4.40E+00	1.03E+00	7.84E-05	1.50E-02	5.11E-03	1.05E+00	1.25E+00	1.81E+00	1.37E+00	1.75E-01	4.60E+00
2232	495011.06	3859851.99	6.40394	2.30072	7.0632	2.36577	1.05E+00	1.78E+00	1.37E+00	1.74E-01	4.38E+00	1.03E+00	7.73E-05	1.50E-02	5.09E-03	1.05E+00	1.25E+00	1.78E+00	1.37E+00	1.74E-01	4.58E+00
2233	495061.06	3859851.99	6.48188	2.2804	7.1266	2.35833	1.06E+00	1.77E+00	1.38E+00	1.74E-01	4.38E+00	1.04E+00	7.66E-05	1.52E-02	5.08E-03	1.06E+00	1.27E+00	1.77E+00	1.38E+00	1.74E-01	4.59E+00
2234	495111.06	3859851.99	6.55439	2.22484	7.1241	2.34989	1.07E+00	1.73E+00	1.38E+00	1.73E-01	4.35E+00	1.06E+00	7.47E-05	1.51E-02	5.06E-03	1.08E+00	1.28E+00	1.73E+00	1.38E+00	1.73E-01	4.56E+00
2235	495161.06	3859851.99	6.51322	2.19909	7.1505	2.3429	1.07E+00	1.71E+00	1.39E+00	1.72E-01	4.33E+00	1.05E+00	7.39E-05	1.52E-02	5.04E-03	1.07E+00	1.27E+00	1.71E+00	1.39E+00	1.72E-01	4.54E+00
2236	495211.06	3859851.99	6.40064	2.17865	7.2274	2.33595	1.05E+00	1.69E+00	1.40E+00	1.72E-01	4.31E+00	1.03E+00	7.32E-05	1.54E-02	5.03E-03	1.05E+00	1.25E+00	1.69E+00	1.40E+00	1.72E-01	4.52E+00
2237	495261.06	3859851.99	6.25727	2.15675	7.1701	2.32857	1.02E+00	1.67E+00	1.39E+00	1.71E-01	4.26E+00	1.01E+00	7.24E-05	1.52E-02	5.01E-03	1.03E+00	1.22E+00	1.67E+00	1.39E+00	1.71E-01	4.46E+00
2238	495311.06	3859851.99	6.13535	2.15137	7.2109	2.32189	1.00E+00	1.67E+00	1.40E+00	1.71E-01	4.24E+00	9.89E-01	7.23E-05	1.53E-02	5.00E-03	1.01E+00	1.20E+00	1.67E+00	1.40E+00	1.71E-01	4.44E+00
2239	495361.06	3859851.99	6.01513	2.1266	7.1958	2.31467	9.84E-01	1.65E+00	1.40E+00	1.70E-01	4.20E+00	9.69E-01	7.14E-05	1.53E-02	4.98E-03	9.90E-01	1.18E+00	1.65E+00	1.40E+00	1.70E-01	4.39E+00
2240	495411.06	3859851.99	5.89282	2.07666	7.1105	2.30622	9.64E-01	1.61E+00	1.38E+00	1.70E-01	4.12E+00	9.50E-01	6.98E-05	1.51E-02	4.96E-03	9.70E-01	1.15E+00	1.61E+00	1.38E+00	1.70E-01	4.31E+00
2241	495461.06	3859851.99	5.86209	2.02665	7.0444	2.29887	9.59E-01	1.57E+00	1.37E+00	1.69E-01	4.07E+00	9.45E-01	6.81E-05	1.50E-02	4.95E-03	9.65E-01	1.15E+00	1.57E+00	1.37E+00	1.69E-01	4.25E+00
2242	495511.06	3859851.99	5.85036	1.96992	7.0318	2.28951	9.57E-01	1.53E+00	1.36E+00	1.69E-01	4.02E+00	9.43E-01	6.62E-05	1.50E-02	4.93E-03	9.63E-01	1.14E+00	1.53E+00	1.36E+00	1.69E-01	4.21E+00
2243	495561.06	3859851.99	5.80223	1.95509	7.0553	2.28295	9.49E-01	1.52E+00	1.37E+00	1.68E-01	4.00E+00	9.35E-01	6.57E-05	1.50E-02	4.91E-03	9.55E-01	1.14E+00	1.52E+00	1.37E+00	1.68E-01	4.19E+00
2244	495611.06	3859851.99	5.76392	1.9345	7.0749	2.27452	9.43E-01	1.50E+00	1.37E+00	1.67E-01	3.98E+00	9.29E-01	6.50E-05	1.50E-02	4.90E-03	9.49E-01	1.13E+00	1.50E+00	1.37E+00	1.67E-01	4.17E+00
2245	495661.06	3859851.99	5.71395	1.87956	7.0946	2.26464	9.35E-01	1.46E+00	1.38E+00	1.67E-01	3.93E+00	9.21E-01	6.31E-05	1.51E-02	4.88E-03	9.41E-01	1.12E+00	1.46E+00	1.38E+00	1.67E-01	4.12E+00
2246	494311.06	3859901.99	6.60767	2.73965	6.0605	2.28966	1.08E+00	2.13E+00	1.18E+00	1.69E-01	4.55E+00	1.06E+00	9.20E-05	1.29E-02	4.93E-03	1.08E+00	1.29E+00	2.13E+00	1.18E+00	1.69E-01	4.76E+00
2247	494361.06	3859901.99	6.46927	2.62925	6.3182	2.27805	1.06E+00	2.04E+00	1.23E+00	1.68E-01	4.49E+00	1.04E+00	8.83E-05	1.34E-02	4.90E-03	1.06E+00	1.27E+00	2.04E+00	1.23E+00	1.68E-01	4.70E+00
2248	494411.06	3859901.99	6.44304	2.63123	6.3531	2.26675	1.05E+00	2.04E+00	1.23E+00	1.67E-01	4.49E+00	1.04E+00	8.84E-05	1.35E-02	4.88E-03	1.06E+00	1.26E+00	2.04E+00	1.23E+00	1.67E-01	4.70E+00
2249	494461.06	3859901.99	6.47387	2.59486	6.4087	2.25818	1.06E+00	2.01E+00	1.24E+00	1.66E-01	4.48E+00	1.04E+00	8.72E-05	1.36E-02	4.86E-03	1.06E+00	1.27E+00	2.01E+00	1.24E+00	1.66E-01	4.69E+00
2250	494511.06	3859901.99	6.51909	2.60986	6.4148	2.24975	1.07E+00	2.02E+00	1.24E+00	1.66E-01	4.50E+00	1.05E+00	8.77E-05	1.36E-02	4.84E-03	1.07E+00	1.28E+00	2.02E+00	1.24E+00	1.66E-01	4.71E+00
2251	494561.06	3859901.99	6.37052	2.70546	6.2842	2.24202	1.04E+00	2.10E+00	1.22E+00	1.65E-01	4.52E+00	1.03E+00	9.09E-05	1.34E-02	4.83E-03	1.04E+00	1.25E+00	2.10E+00	1.22E+00	1.65E-01	4.73E+00
2252	494611.06	3859901.99	6.31651	2.5769	6.3438	2.26737	1.03E+00	2.00E+00	1.23E+00	1.67E-01	4.43E+00	1.02E+00	8.66E-05	1.35E-02	4.88E-03	1.04E+00	1.24E+00	2.00E+00	1.23E+00	1.67E-01	4.63E+00
2253	494661.06	3859901.99	6.19972	2.6475	6.4038	2.25413	1.01E+00	2.05E+00	1.24E+00	1.66E-01	4.48E+00	9.99E-01	8.89E-05	1.36E-02	4.85E-03	1.02E+00	1.21E+00	2.05E+00	1.24E+00	1.66E-01	4.67E+00

2254	494711.06	3859901.99	6.26914	2.53383	6.7804	2.27768	1.03E+00	1.97E+00	1.31E+00	1.68E-01	4.47E+00	1.01E+00	8.51E-05	1.44E-02	4.90E-03	1.03E+00	1.23E+00	1.97E+00	1.31E+00	1.68E-01	4.67E+00
2255	494761.06	3859901.99	6.34888	2.55318	6.8982	2.28312	1.04E+00	1.98E+00	1.34E+00	1.68E-01	4.52E+00	1.02E+00	8.58E-05	1.47E-02	4.91E-03	1.04E+00	1.24E+00	1.98E+00	1.34E+00	1.68E-01	4.73E+00
2256	494811.06	3859901.99	6.40406	2.57179	7.0022	2.27358	1.05E+00	1.99E+00	1.36E+00	1.67E-01	4.57E+00	1.03E+00	8.64E-05	1.49E-02	4.89E-03	1.05E+00	1.25E+00	2.00E+00	1.36E+00	1.67E-01	4.77E+00
2257	494861.06	3859901.99	6.39733	2.56212	7.009	2.26582	1.05E+00	1.99E+00	1.36E+00	1.67E-01	4.56E+00	1.03E+00	8.61E-05	1.49E-02	4.88E-03	1.05E+00	1.25E+00	1.99E+00	1.36E+00	1.67E-01	4.77E+00
2258	494911.06	3859901.99	6.46176	2.50654	7.0039	2.28888	1.06E+00	1.94E+00	1.36E+00	1.69E-01	4.53E+00	1.04E+00	8.42E-05	1.49E-02	4.93E-03	1.06E+00	1.26E+00	1.94E+00	1.36E+00	1.69E-01	4.74E+00
2259	494961.06	3859901.99	6.41749	2.4862	7.0047	2.29717	1.05E+00	1.93E+00	1.36E+00	1.69E-01	4.51E+00	1.03E+00	8.35E-05	1.49E-02	4.95E-03	1.05E+00	1.26E+00	1.93E+00	1.36E+00	1.69E-01	4.71E+00
2260	495011.06	3859901.99	6.36293	2.44652	6.9841	2.29737	1.04E+00	1.90E+00	1.35E+00	1.69E-01	4.46E+00	1.03E+00	8.22E-05	1.48E-02	4.95E-03	1.05E+00	1.25E+00	1.90E+00	1.35E+00	1.69E-01	4.67E+00
2261	495061.06	3859901.99	6.30096	2.41166	6.9362	2.29481	1.03E+00	1.87E+00	1.34E+00	1.69E-01	4.42E+00	1.02E+00	8.10E-05	1.47E-02	4.94E-03	1.04E+00	1.23E+00	1.87E+00	1.34E+00	1.69E-01	4.62E+00
2262	495111.06	3859901.99	6.271	2.35756	6.8844	2.29634	1.03E+00	1.83E+00	1.33E+00	1.69E-01	4.36E+00	1.01E+00	7.92E-05	1.46E-02	4.94E-03	1.03E+00	1.23E+00	1.83E+00	1.33E+00	1.69E-01	4.56E+00
2263	495161.06	3859901.99	6.30155	2.31339	6.831	2.29569	1.03E+00	1.79E+00	1.32E+00	1.69E-01	4.32E+00	1.02E+00	7.77E-05	1.45E-02	4.94E-03	1.03E+00	1.23E+00	1.79E+00	1.32E+00	1.69E-01	4.52E+00
2264	495211.06	3859901.99	6.38379	2.30533	6.8443	2.28805	1.04E+00	1.79E+00	1.33E+00	1.68E-01	4.33E+00	1.03E+00	7.74E-05	1.46E-02	4.93E-03	1.05E+00	1.25E+00	1.79E+00	1.33E+00	1.68E-01	4.53E+00
2265	495261.06	3859901.99	6.40835	2.24608	6.8977	2.2889	1.05E+00	1.74E+00	1.34E+00	1.69E-01	4.30E+00	1.03E+00	7.54E-05	1.47E-02	4.93E-03	1.05E+00	1.25E+00	1.74E+00	1.34E+00	1.69E-01	4.50E+00
2266	495311.06	3859901.99	6.36573	2.23983	6.9143	2.28675	1.04E+00	1.74E+00	1.34E+00	1.68E-01	4.29E+00	1.03E+00	7.52E-05	1.47E-02	4.92E-03	1.05E+00	1.25E+00	1.74E+00	1.34E+00	1.68E-01	4.49E+00
2267	495361.06	3859901.99	6.22392	2.20649	6.9446	2.28244	1.02E+00	1.71E+00	1.35E+00	1.68E-01	4.24E+00	1.00E+00	7.41E-05	1.48E-02	4.91E-03	1.02E+00	1.22E+00	1.71E+00	1.35E+00	1.68E-01	4.44E+00
2268	495411.06	3859901.99	6.11497	2.16857	7.0171	2.27416	1.00E+00	1.68E+00	1.36E+00	1.67E-01	4.21E+00	9.85E-01	7.28E-05	1.49E-02	4.90E-03	1.01E+00	1.20E+00	1.68E+00	1.36E+00	1.67E-01	4.41E+00
2269	495461.06	3859901.99	5.99075	2.14556	6.977	2.2693	9.80E-01	1.66E+00	1.35E+00	1.67E-01	4.16E+00	9.65E-01	7.21E-05	1.48E-02	4.89E-03	9.85E-01	1.17E+00	1.66E+00	1.35E+00	1.67E-01	4.36E+00
2270	495511.06	3859901.99	5.87067	2.14671	7.0046	2.26178	9.60E-01	1.67E+00	1.36E+00	1.67E-01	4.15E+00	9.46E-01	7.21E-05	1.49E-02	4.87E-03	9.66E-01	1.15E+00	1.67E+00	1.36E+00	1.67E-01	4.34E+00
2271	495561.06	3859901.99	5.7696	2.13813	6.9936	2.25516	9.44E-01	1.66E+00	1.36E+00	1.66E-01	4.12E+00	9.30E-01	7.18E-05	1.49E-02	4.85E-03	9.49E-01	1.13E+00	1.66E+00	1.36E+00	1.66E-01	4.31E+00
2272	495611.06	3859901.99	5.76285	2.09746	6.9132	2.25139	9.43E-01	1.63E+00	1.34E+00	1.66E-01	4.08E+00	9.29E-01	7.05E-05	1.47E-02	4.85E-03	9.48E-01	1.13E+00	1.63E+00	1.34E+00	1.66E-01	4.26E+00
2273	495661.06	3859901.99	5.71925	2.04429	6.8477	2.24317	9.35E-01	1.59E+00	1.33E+00	1.65E-01	4.01E+00	9.22E-01	6.87E-05	1.46E-02	4.83E-03	9.41E-01	1.12E+00	1.59E+00	1.33E+00	1.65E-01	4.20E+00
2274	494311.06	3859951.99	6.42739	2.91876	5.409	2.28312	1.05E+00	2.26E+00	1.05E+00	1.68E-01	4.53E+00	1.04E+00	9.80E-05	1.15E-02	4.91E-03	1.05E+00	1.26E+00	2.26E+00	1.05E+00	1.68E-01	4.74E+00
2275	494361.06	3859951.99	6.3323	2.83747	5.3909	2.27342	1.04E+00	2.20E+00	1.05E+00	1.67E-01	4.45E+00	1.02E+00	9.53E-05	1.15E-02	4.89E-03	1.04E+00	1.24E+00	2.20E+00	1.05E+00	1.67E-01	4.65E+00
2276	494411.06	3859951.99	6.49574	2.77893	5.5238	2.25146	1.06E+00	2.16E+00	1.07E+00	1.66E-01	4.45E+00	1.05E+00	9.33E-05	1.17E-02	4.85E-03	1.06E+00	1.27E+00	2.16E+00	1.07E+00	1.66E-01	4.66E+00
2277	494461.06	3859951.99	6.34908	2.76151	5.8251	2.23848	1.04E+00	2.14E+00	1.13E+00	1.65E-01	4.47E+00	1.02E+00	9.28E-05	1.24E-02	4.82E-03	1.04E+00	1.24E+00	2.14E+00	1.13E+00	1.65E-01	4.68E+00
2278	494511.06	3859951.99	6.24473	2.77436	6.0406	2.23427	1.02E+00	2.15E+00	1.17E+00	1.64E-01	4.51E+00	1.01E+00	9.32E-05	1.28E-02	4.81E-03	1.02E+00	1.22E+00	2.15E+00	1.17E+00	1.64E-01	4.71E+00
2279	494561.06	3859951.99	6.04646	2.86629	6.1597	2.23084	9.89E-01	2.22E+00	1.19E+00	1.64E-01	4.57E+00	9.74E-01	9.63E-05	1.31E-02	4.80E-03	9.92E-01	1.18E+00	2.22E+00	1.19E+00	1.64E-01	4.77E+00
2280	494611.06	3859951.99	6.31292	2.74612	6.1785	2.21628	1.03E+00	2.13E+00	1.20E+00	1.63E-01	4.52E+00	1.02E+00	9.22E-05	1.31E-02	4.77E-03	1.04E+00	1.24E+00	2.13E+00	1.20E+00	1.63E-01	4.73E+00
2281	494661.06	3859951.99	6.07692	2.77248	6.1828	2.2097	9.94E-01	2.15E+00	1.20E+00	1.63E-01	4.51E+00	9.79E-01	9.31E-05	1.31E-02	4.76E-03	9.97E-01	1.19E+00	2.15E+00	1.20E+00	1.63E-01	4.70E+00
2282	494711.06	3859951.99	6.18842	2.65653	6.1272	2.21688	1.01E+00	2.06E+00	1.19E+00	1.63E-01	4.42E+00	9.97E-01	8.92E-05	1.30E-02	4.77E-03	1.02E+00	1.21E+00	2.06E+00	1.19E+00	1.63E-01	4.62E+00
2283	494761.06	3859951.99	6.09213	2.64963	6.1242	2.21273	9.96E-01	2.06E+00	1.19E+00	1.63E-01	4.40E+00	9.82E-01	8.90E-05	1.30E-02	4.76E-03	1.00E+00	1.19E+00	2.06E+00	1.19E+00	1.63E-01	4.60E+00
2284	494811.06	3859951.99	6.05071	2.63689	6.19	2.20849	9.90E-01	2.05E+00	1.20E+00	1.63E-01	4.40E+00	9.75E-01	8.86E-05	1.32E-02	4.75E-03	9.93E-01	1.18E+00	2.05E+00	1.20E+00	1.63E-01	4.59E+00
2285	494861.06	3859951.99	6.10959	2.66545	6.3137	2.20456	9.99E-01	2.07E+00	1.22E+00	1.62E-01	4.45E+00	9.84E-01	8.95E-05	1.34E-02	4.75E-03	1.00E+00	1.20E+00	2.07E+00	1.22E+00	1.62E-01	4.65E+00
2286	494911.06	3859951.99	6.22514	2.62328	6.451	2.22174	1.02E+00	2.03E+00	1.25E+00	1.64E-01	4.47E+00	1.00E+00	8.81E-05	1.37E-02	4.78E-03	1.02E+00	1.22E+00	2.03E+00	1.25E+00	1.64E-01	4.67E+00
2287	494961.06	3859951.99	6.2448	2.57322	6.6887	2.24357	1.02E+00	2.00E+00	1.30E+00	1.65E-01	4.48E+00	1.01E+00	8.64E-05	1.42E-02	4.83E-03	1.03E+00	1.22E+00	2.00E+00	1.30E+00	1.65E-01	4.68E+00
2288	495011.06	3859951.99	6.29108	2.52866	6.8629	2.24602	1.03E+00	1.96E+00	1.33E+00	1.65E-01	4.49E+00	1.01E+00	8.49E-05	1.46E-02	4.84E-03	1.03E+00	1.23E+00	1.96E+00	1.33E+00	1.65E-01	4.69E+00
2289	495061.06	3859951.99	6.31193	2.50391	6.8387	2.24835	1.03E+00	1.94E+00	1.33E+00	1.66E-01	4.47E+00	1.02E+00	8.41E-05	1.45E-02	4.84E-03	1.04E+00	1.24E+00	1.94E+00	1.33E+00	1.66E-01	4.67E+00
2290	495111.06	3859951.99	6.29286	2.45176	6.8356	2.25553	1.03E+00	1.90E+00	1.33E+00	1.66E-01	4.42E+00	1.01E+00	8.24E-05	1.45E-02	4.86E-03	1.03E+00	1.23E+00	1.90E+00	1.33E+00	1.66E-01	4.62E+00
2291	495161.06	3859951.99	6.22569	2.40432	6.8074	2.25804	1.02E+00	1.87E+00	1.32E+00	1.66E-01	4.37E+00	1.00E+00	8.08E-05	1.45E-02	4.86E-03	1.02E+00	1.22E+00	1.87E+00	1.32E+00	1.66E-01	4.57E+00
2292	495211.06	3859951.99	6.17204	2.35927	6.7625	2.25898	1.01E+00	1.83E+00	1.31E+00	1.66E-01	4.32E+00	9.95E-01	7.93E-05	1.44E-02	4.86E-03	1.01E+00	1.21E+00	1.83E+00	1.31E+00	1.66E-01	4.52E+00
2293	495261.06	3859951.99	6.17089	2.33461	6.7163	2.26023	1.01E+00	1.81E+00	1.30E+00	1.66E-01	4.29E+00	9.94E-01	7.84E-05	1.43E-02	4.87E-03	1.01E+00	1.21E+00	1.81E+00	1.30E+00	1.66E-01	4.49E+00
2294	495311.06	3859951.99	6.19009	2.3335	6.67	2.26221	1.01E+00	1.81E+00	1.29E+00	1.67E-01	4.28E+00	9.97E-01	7.84E-05	1.42E-02	4.87E-03	1.02E+00	1.21E+00	1.81E+00	1.29E+00	1.67E-01	4.48E+00
2295	495361.06	3859951.99	6.28346	2.3144	6.6337	2.26339	1.03E+00	1.80E+00	1.29E+00	1.67E-01	4.28E+00	1.01E+00	7.77E-05	1.41E-02	4.87E-03	1.03E+00	1.23E+00	1.80E+00	1.29E+00	1.67E-01	4.48E+00
2296	495411.06	3859951.99	6.26228	2.27385	6.6513	2.26368	1.02E+00	1.76E+00	1.29E+00	1.67E-01	4.24E+00	1.01E+00	7.64E-05	1.41E-02	4.87E-03	1.03E+00	1.23E+00	1.76E+00	1.29E+00	1.67E-01	4.45E+00
2297	495461.06	3859951.99	6.19008	2.24935	6.7003	2.26406	1.01E+00	1.74E+00	1.30E+00	1.67E-01	4.22E+00	9.97E-01	7.56E-05	1.42E-02	4.87E-03	1.02E+00	1.21E+00	1.74E+00	1.30E+00	1.67E-01	4.42E+00
2298	495511.06	3859951.99	6.07233	2.22206	6.7012	2.2611	9.93E-01	1.72E+00	1.30E+00	1.66E-01	4.18E+00	9.78E-01	7.46E-05	1.42E-02	4.87E-03	9.98E-01	1.19E+00	1.72E+00	1.30E+00	1.66E-01	4.38E+00
2299	495561.06	3859951.99	5.95566	2.23883	6.758	2.2521	9.74E-01	1.74E+00	1.31E+00	1.66E-01	4.19E+00	9.60E-01	7.52E-05	1.44E-02	4.85E-03	9.79E-01	1.17E+00	1.74E+00	1.31E+00	1.66E-01	4.38E+00
2300	495611.06	3859951.99	5.84828	2.20489	6.8106	2.24122	9.57E-01	1.71E+00	1.32E+00	1.65E-01	4.15E+00	9.42E-01	7.41E-05	1.45E-02	4.82E-03	9.62E-01	1.14E+00	1.71E+00	1.32E+00	1.65E-01	4.34E+00
2301	495661.06	3859951.99	5.7426	2.15945	6.794	2.2296	9.39E-01	1.68E+00	1.32E+00	1.64E-01	4.10E+00	9.25E-01	7.25E-05	1.44E-02	4.80E-03	9.45E-01	1.12E+00	1.68E+00	1.32E+00	1.64E-01	4.28E+00
2302	494311.06	3860001.99	6.39368	3.00872	5.4154	2.29063	1.05E+00	2.33E+00	1.05E+00	1.69E-01	4.60E+00	1.03E+00	1.01E-04	1.15E-02	4.93E-03	1.05E+00	1.25E+00	2.33E+00	1.05E+00	1.69E-01	4.80E+00
2303	494361.06	3860001.99	6.30121	2.96409	5.3728	2.28274	1.03E+00	2.30E+00	1.04E+00	1.68E-01	4.54E+00	1.02E+00	9.96E-05	1.14E-02	4.91E-03	1.03E+00	1.23E+00	2.30E+00	1.04E+00	1.68E-01	4.74E+00
2304	494411.06	3860001.99	6.32839	2.89334	5.2772	2.28116	1.04E+00	2.24E+00	1.02E+00	1.68E-01	4.47E+00	1.02E+00	9.72E-05	1.12E-02	4.91E-03	1.04E+00	1.24E+00	2.24E+00	1.02E+00	1.68E-01	4.67E+00
2305	494461.06	3860001.99	6.21924	2.88418	5.2693	2.26867	1.02E+00	2.24E+00	1.02E+00	1.67E-01	4.44E+00	1.00E+00	9.69E-05	1.12E-02	4.88E-03	1.02E+00	1.22E+00	2.24E+00	1.02E+00	1.67E-01	4.64E+00
2306	494511.06	3860001.99	6.24245	2.82767	5.2534	2.24539	1.02E+00	2.19E+00	1.02E+00	1.65E-01	4.40E+00	1.01E+00	9.50E-05	1.12E-02	4.83E-03	1.02E+00	1.22E+00	2.19E+00	1.02E+00	1.65E-01	4.60E+00
2307	494561.06	3860001.99	6.19804	2.95268	5.3624	2.23032	1.01E+00	2.29E+00	1.04E+00	1.64E-01	4.51E+00	9.99E-01	9.92E-05	1.14E-02	4.80E-03	1.02E+00	1.21E+00	2.29E+00	1.04E+00	1.64E-01	4.71E+00
2308	494611.06	3860001.99	6.05776	2.90352	5.5913	2.22586	9.91E-01	2.25E+00	1.08E+00	1.64E-01	4.49E+00	9.76E-01	9.75E-05	1.19E-02	4.79E-03	9.93E-01	1.19E+00	2.25E+00	1.08E+00	1.64E-01	4.69E+00
2309	494661.06	3860001.99	5.93244	2.89705	5.7844	2.22107	9.70E-01	2.25E+00	1.12E+00	1.64E-01	4.50E+00	9.56E-01	9.73E-05	1.23E-02	4.78E-03	9.73E-01	1.16E+00	2.25E+00	1.12E+00	1.64E-01	4.69E+00
2310	494711.06	3860001.99	6.17263	2.74107	5.9957	2.20201	1.01E+00	2.13E+00	1.16E+00	1.62E-01	4.46E+00	9.95E-01	9.21E-05	1.27E-02	4.74E-03	1.01E+00	1.21E+00	2.13E+00	1.16E+00	1.62E-01	4.66E+00
2311	494761.06	3860001.99	5.98812	2.82316	5.9822	2.188	9.79E-01	2.19E+00	1.16E+00	1.61E-01	4.49E+00	9.65E-01	9.48E-05	1.27E-02	4.71E-03	9.82E-01	1.17E+00	2.19E+00	1.16E+00	1.61E-01	4.68E+00
2312	494811.06	3860001.99	5.94368	2.81859	5.971	2.17874	9.72E-01	2.19E+00	1.16E+00	1.60E-01	4.48E+00	9.58E-01	9.47E-05	1.27E-02	4.69E-03	9.75E-01	1.16E+00	2.19E+00	1.16E+00	1.60E-01	4.67E+00
2313	494861.06	3860001.99	5.87475	2.82199	5.999	2.18771	9.61E-01	2.19E+00	1.16E+00	1.61E-01	4.47E+00	9.47E-01	9.48E-05	1.28E-02	4.71E-03	9.64E-01	1.15E+00	2.19E+00	1.16E+00	1.61E-01	4.66E+00
2314	494911.06	3860001.99	5.90885	2.68054	5.9501	2.19168	9.66E-01	2.08E+00	1.15E+00	1.61E-01	4.36E+00	9.52E-01	9.00E-05	1.27E-02	4.72E-03	9.70E-01	1.16E+00	2.08E+00	1.15E+00	1.61E-01	4.55E+00

2315	494961.06	3860001.99	5.93994	2.67742	5.9859	2.18716	9.72E-01	2.08E+00	1.16E+00	1.61E-01	4.37E+00	9.57E-01	8.99E-05	1.27E-02	4.71E-03	9.75E-01	1.16E+00	2.08E+00	1.16E+00	1.61E-01	4.56E+00
2316	495011.06	3860001.99	6.04843	2.63371	6.0957	2.18126	9.89E-01	2.04E+00	1.18E+00	1.61E-01	4.37E+00	9.75E-01	8.85E-05	1.30E-02	4.70E-03	9.92E-01	1.18E+00	2.04E+00	1.18E+00	1.61E-01	4.57E+00
2317	495061.06	3860001.99	6.08597	2.63162	6.2127	2.17705	9.95E-01	2.04E+00	1.20E+00	1.60E-01	4.40E+00	9.81E-01	8.84E-05	1.32E-02	4.69E-03	9.99E-01	1.19E+00	2.04E+00	1.20E+00	1.60E-01	4.60E+00
2318	495111.06	3860001.99	6.11715	2.58277	6.3778	2.18028	1.00E+00	2.00E+00	1.24E+00	1.61E-01	4.40E+00	9.86E-01	8.68E-05	1.36E-02	4.69E-03	1.00E+00	1.20E+00	2.00E+00	1.24E+00	1.61E-01	4.60E+00
2319	495161.06	3860001.99	6.18729	2.52424	6.6137	2.17942	1.01E+00	1.96E+00	1.28E+00	1.60E-01	4.41E+00	9.97E-01	8.48E-05	1.41E-02	4.69E-03	1.02E+00	1.21E+00	1.96E+00	1.28E+00	1.60E-01	4.61E+00
2320	495211.06	3860001.99	6.16351	2.51277	6.6411	2.18224	1.01E+00	1.95E+00	1.29E+00	1.61E-01	4.41E+00	9.93E-01	8.44E-05	1.41E-02	4.70E-03	1.01E+00	1.21E+00	1.95E+00	1.29E+00	1.61E-01	4.60E+00
2321	495261.06	3860001.99	6.12723	2.46749	6.6757	2.18405	1.00E+00	1.91E+00	1.29E+00	1.61E-01	4.37E+00	9.87E-01	8.29E-05	1.42E-02	4.70E-03	1.01E+00	1.20E+00	1.91E+00	1.29E+00	1.61E-01	4.57E+00
2322	495311.06	3860001.99	6.05736	2.44131	6.6406	2.19701	9.91E-01	1.89E+00	1.29E+00	1.62E-01	4.33E+00	9.76E-01	8.20E-05	1.41E-02	4.73E-03	9.95E-01	1.19E+00	1.89E+00	1.29E+00	1.62E-01	4.53E+00
2323	495361.06	3860001.99	6.03253	2.36378	6.598	2.19885	9.87E-01	1.83E+00	1.28E+00	1.62E-01	4.26E+00	9.72E-01	7.94E-05	1.40E-02	4.73E-03	9.91E-01	1.18E+00	1.83E+00	1.28E+00	1.62E-01	4.46E+00
2324	495411.06	3860001.99	6.02802	2.36997	6.5581	2.20021	9.86E-01	1.84E+00	1.27E+00	1.62E-01	4.26E+00	9.71E-01	7.96E-05	1.39E-02	4.74E-03	9.90E-01	1.18E+00	1.84E+00	1.27E+00	1.62E-01	4.45E+00
2325	495461.06	3860001.99	6.08644	2.34068	6.5137	2.20004	9.96E-01	1.82E+00	1.26E+00	1.62E-01	4.24E+00	9.81E-01	7.86E-05	1.38E-02	4.74E-03	9.99E-01	1.19E+00	1.82E+00	1.26E+00	1.62E-01	4.43E+00
2326	495511.06	3860001.99	6.1604	2.31661	6.4675	2.19971	1.01E+00	1.80E+00	1.25E+00	1.62E-01	4.22E+00	9.93E-01	7.78E-05	1.38E-02	4.74E-03	1.01E+00	1.21E+00	1.80E+00	1.25E+00	1.62E-01	4.42E+00
2327	495561.06	3860001.99	6.10673	2.31453	6.4578	2.19985	9.99E-01	1.80E+00	1.25E+00	1.62E-01	4.21E+00	9.84E-01	7.77E-05	1.37E-02	4.74E-03	1.00E+00	1.19E+00	1.80E+00	1.25E+00	1.62E-01	4.40E+00
2328	495611.06	3860001.99	6.00928	2.2711	6.4866	2.19836	9.83E-01	1.76E+00	1.26E+00	1.62E-01	4.16E+00	9.68E-01	7.63E-05	1.38E-02	4.73E-03	9.87E-01	1.18E+00	1.76E+00	1.26E+00	1.62E-01	4.36E+00
2329	495661.06	3860001.99	5.92058	2.23585	6.5223	2.19439	9.68E-01	1.73E+00	1.26E+00	1.62E-01	4.13E+00	9.54E-01	7.51E-05	1.39E-02	4.72E-03	9.73E-01	1.16E+00	1.73E+00	1.26E+00	1.62E-01	4.32E+00
2330	494411.06	3860051.99	6.29891	3.04054	5.2988	2.27004	1.03E+00	2.36E+00	1.03E+00	1.67E-01	4.58E+00	1.01E+00	1.02E-04	1.13E-02	4.89E-03	1.03E+00	1.23E+00	2.36E+00	1.03E+00	1.67E-01	4.79E+00
2331	494461.06	3860051.99	6.2146	3.0011	5.3362	2.26247	1.02E+00	2.33E+00	1.03E+00	1.67E-01	4.55E+00	1.00E+00	1.01E-04	1.13E-02	4.87E-03	1.02E+00	1.22E+00	2.33E+00	1.03E+00	1.67E-01	4.75E+00
2332	494511.06	3860051.99	6.20784	2.97343	5.1719	2.25386	1.02E+00	2.31E+00	1.00E+00	1.66E-01	4.49E+00	1.00E+00	9.99E-05	1.10E-02	4.85E-03	1.02E+00	1.21E+00	2.31E+00	1.00E+00	1.66E-01	4.69E+00
2333	494561.06	3860051.99	6.10261	3.0087	5.065	2.23676	9.98E-01	2.33E+00	9.82E-01	1.65E-01	4.48E+00	9.83E-01	1.01E-04	1.08E-02	4.82E-03	9.99E-01	1.19E+00	2.33E+00	9.82E-01	1.65E-01	4.67E+00
2334	494611.06	3860051.99	6.10202	3.00206	5.0592	2.21714	9.98E-01	2.33E+00	9.81E-01	1.63E-01	4.47E+00	9.83E-01	1.01E-04	1.08E-02	4.77E-03	9.99E-01	1.19E+00	2.33E+00	9.81E-01	1.63E-01	4.67E+00
2335	494661.06	3860051.99	6.11069	2.98909	5.1932	2.19835	9.99E-01	2.32E+00	1.01E+00	1.62E-01	4.49E+00	9.85E-01	1.00E-04	1.10E-02	4.73E-03	1.00E+00	1.20E+00	2.32E+00	1.01E+00	1.62E-01	4.68E+00
2336	494711.06	3860051.99	5.97975	2.9056	5.1939	2.18745	9.78E-01	2.25E+00	1.01E+00	1.61E-01	4.40E+00	9.64E-01	9.76E-05	1.10E-02	4.71E-03	9.79E-01	1.17E+00	2.25E+00	1.01E+00	1.61E-01	4.59E+00
2337	494761.06	3860051.99	5.84851	2.89738	5.4251	2.18141	9.57E-01	2.25E+00	1.05E+00	1.61E-01	4.42E+00	9.42E-01	9.73E-05	1.15E-02	4.70E-03	9.59E-01	1.14E+00	2.25E+00	1.05E+00	1.61E-01	4.60E+00
2338	494811.06	3860051.99	5.87019	2.92754	5.5677	2.17318	9.60E-01	2.27E+00	1.08E+00	1.60E-01	4.47E+00	9.46E-01	9.83E-05	1.18E-02	4.68E-03	9.62E-01	1.15E+00	2.27E+00	1.08E+00	1.60E-01	4.66E+00
2339	494861.06	3860051.99	5.90581	2.94827	5.6437	2.15987	9.66E-01	2.29E+00	1.09E+00	1.59E-01	4.51E+00	9.52E-01	9.90E-05	1.20E-02	4.65E-03	9.68E-01	1.16E+00	2.29E+00	1.09E+00	1.59E-01	4.70E+00
2340	494911.06	3860051.99	5.87809	2.87854	5.7694	2.139	9.61E-01	2.23E+00	1.12E+00	1.57E-01	4.47E+00	9.47E-01	9.67E-05	1.23E-02	4.60E-03	9.64E-01	1.15E+00	2.23E+00	1.12E+00	1.57E-01	4.66E+00
2341	494961.06	3860051.99	5.78855	2.80771	5.7776	2.12874	9.47E-01	2.18E+00	1.12E+00	1.57E-01	4.40E+00	9.33E-01	9.43E-05	1.23E-02	4.58E-03	9.50E-01	1.13E+00	2.18E+00	1.12E+00	1.57E-01	4.59E+00
2342	495011.06	3860051.99	5.7306	2.75966	5.8098	2.12739	9.37E-01	2.14E+00	1.13E+00	1.57E-01	4.36E+00	9.23E-01	9.27E-05	1.24E-02	4.58E-03	9.40E-01	1.12E+00	2.14E+00	1.13E+00	1.57E-01	4.55E+00
2343	495061.06	3860051.99	5.6746	2.73668	5.7856	2.13959	9.28E-01	2.12E+00	1.12E+00	1.58E-01	4.33E+00	9.14E-01	9.19E-05	1.23E-02	4.61E-03	9.31E-01	1.11E+00	2.12E+00	1.12E+00	1.58E-01	4.51E+00
2344	495111.06	3860051.99	5.74957	2.67574	5.7962	2.13257	9.40E-01	2.08E+00	1.12E+00	1.57E-01	4.30E+00	9.26E-01	8.99E-05	1.23E-02	4.59E-03	9.43E-01	1.13E+00	2.08E+00	1.12E+00	1.57E-01	4.48E+00
2345	495161.06	3860051.99	5.95067	2.64692	5.8996	2.1265	9.73E-01	2.05E+00	1.14E+00	1.57E-01	4.33E+00	9.59E-01	8.89E-05	1.25E-02	4.58E-03	9.76E-01	1.16E+00	2.05E+00	1.14E+00	1.57E-01	4.52E+00
2346	495211.06	3860051.99	5.97076	2.60525	6.004	2.13118	9.77E-01	2.02E+00	1.16E+00	1.57E-01	4.32E+00	9.62E-01	8.75E-05	1.28E-02	4.59E-03	9.80E-01	1.17E+00	2.02E+00	1.16E+00	1.57E-01	4.51E+00
2347	495261.06	3860051.99	6.0092	2.58456	6.1119	2.12871	9.83E-01	2.00E+00	1.19E+00	1.57E-01	4.33E+00	9.68E-01	8.68E-05	1.30E-02	4.58E-03	9.86E-01	1.18E+00	2.00E+00	1.19E+00	1.57E-01	4.52E+00
2348	495311.06	3860051.99	6.02568	2.58042	6.2444	2.12567	9.86E-01	2.00E+00	1.21E+00	1.57E-01	4.35E+00	9.71E-01	8.67E-05	1.33E-02	4.58E-03	9.89E-01	1.18E+00	2.00E+00	1.21E+00	1.57E-01	4.55E+00
2349	495361.06	3860051.99	6.01773	2.56027	6.3419	2.12532	9.84E-01	1.99E+00	1.23E+00	1.56E-01	4.36E+00	9.70E-01	8.60E-05	1.35E-02	4.58E-03	9.88E-01	1.18E+00	1.99E+00	1.23E+00	1.56E-01	4.55E+00
2350	495411.06	3860051.99	5.94724	2.5317	6.4232	2.12919	9.73E-01	1.96E+00	1.25E+00	1.57E-01	4.34E+00	9.58E-01	8.50E-05	1.37E-02	4.58E-03	9.77E-01	1.16E+00	1.96E+00	1.25E+00	1.57E-01	4.53E+00
2351	495461.06	3860051.99	5.90658	2.48883	6.478	2.13271	9.66E-01	1.93E+00	1.26E+00	1.57E-01	4.31E+00	9.52E-01	8.36E-05	1.38E-02	4.59E-03	9.70E-01	1.16E+00	1.93E+00	1.26E+00	1.57E-01	4.50E+00
2352	495511.06	3860051.99	5.88391	2.4607	6.4424	2.13307	9.62E-01	1.91E+00	1.25E+00	1.57E-01	4.28E+00	9.48E-01	8.27E-05	1.37E-02	4.59E-03	9.66E-01	1.15E+00	1.91E+00	1.25E+00	1.57E-01	4.47E+00
2353	495561.06	3860051.99	5.89534	2.42618	6.404	2.13401	9.64E-01	1.88E+00	1.24E+00	1.57E-01	4.25E+00	9.50E-01	8.15E-05	1.36E-02	4.59E-03	9.68E-01	1.15E+00	1.88E+00	1.24E+00	1.57E-01	4.43E+00
2354	495611.06	3860051.99	5.97555	2.38431	6.363	2.14353	9.77E-01	1.85E+00	1.23E+00	1.58E-01	4.22E+00	9.63E-01	8.01E-05	1.35E-02	4.61E-03	9.81E-01	1.17E+00	1.85E+00	1.23E+00	1.58E-01	4.41E+00
2355	495661.06	3860051.99	6.02013	2.32782	6.3189	2.14757	9.85E-01	1.81E+00	1.23E+00	1.58E-01	4.17E+00	9.70E-01	7.82E-05	1.34E-02	4.62E-03	9.88E-01	1.18E+00	1.81E+00	1.23E+00	1.58E-01	4.37E+00
2356	494411.06	3860101.99	6.19025	3.0494	5.0659	2.29571	1.01E+00	2.37E+00	9.82E-01	1.69E-01	4.53E+00	9.97E-01	1.02E-04	1.08E-02	4.94E-03	1.01E+00	1.21E+00	2.37E+00	9.82E-01	1.69E-01	4.73E+00
2357	494461.06	3860101.99	6.25748	3.10105	5.099	2.28483	1.02E+00	2.41E+00	9.89E-01	1.68E-01	4.59E+00	1.01E+00	1.04E-04	1.08E-02	4.92E-03	1.02E+00	1.22E+00	2.41E+00	9.89E-01	1.68E-01	4.79E+00
2358	494511.06	3860101.99	6.20558	3.03767	5.1361	2.28262	1.01E+00	2.36E+00	9.96E-01	1.68E-01	4.54E+00	1.00E+00	1.02E-04	1.09E-02	4.91E-03	1.02E+00	1.21E+00	2.36E+00	9.96E-01	1.68E-01	4.73E+00
2359	494561.06	3860101.99	6.13049	3.03714	5.18	2.27382	1.00E+00	2.36E+00	1.00E+00	1.67E-01	4.53E+00	9.88E-01	1.02E-04	1.10E-02	4.89E-03	1.00E+00	1.20E+00	2.36E+00	1.00E+00	1.67E-01	4.73E+00
2360	494611.06	3860101.99	6.09201	3.08648	5.2478	2.26344	9.96E-01	2.39E+00	1.02E+00	1.67E-01	4.57E+00	9.82E-01	1.04E-04	1.12E-02	4.87E-03	9.98E-01	1.19E+00	2.39E+00	1.02E+00	1.67E-01	4.77E+00
2361	494661.06	3860101.99	6.01475	3.08716	5.1551	2.25761	9.84E-01	2.39E+00	1.00E+00	1.66E-01	4.54E+00	9.69E-01	1.04E-04	1.10E-02	4.86E-03	9.85E-01	1.18E+00	2.39E+00	1.00E+00	1.66E-01	4.74E+00
2362	494711.06	3860101.99	5.97024	3.01478	4.9964	2.24566	9.76E-01	2.34E+00	9.69E-01	1.65E-01	4.45E+00	9.62E-01	1.01E-04	1.06E-02	4.83E-03	9.78E-01	1.17E+00	2.34E+00	9.69E-01	1.65E-01	4.64E+00
2363	494761.06	3860101.99	6.01826	3.01559	4.9144	2.22619	9.84E-01	2.34E+00	9.53E-01	1.64E-01	4.44E+00	9.70E-01	1.01E-04	1.04E-02	4.79E-03	9.85E-01	1.18E+00	2.34E+00	9.53E-01	1.64E-01	4.63E+00
2364	494811.06	3860101.99	5.90405	3.00741	4.9094	2.22091	9.66E-01	2.33E+00	9.52E-01	1.64E-01	4.41E+00	9.51E-01	1.01E-04	1.04E-02	4.78E-03	9.67E-01	1.16E+00	2.33E+00	9.52E-01	1.64E-01	4.60E+00
2365	494861.06	3860101.99	5.77449	3.0726	5.0263	2.22014	9.44E-01	2.38E+00	9.75E-01	1.63E-01	4.47E+00	9.30E-01	1.03E-04	1.07E-02	4.78E-03	9.46E-01	1.13E+00	2.38E+00	9.75E-01	1.63E-01	4.65E+00
2366	494911.06	3860101.99	5.75945	2.92847	5.2717	2.19728	9.42E-01	2.27E+00	1.02E+00	1.62E-01	4.40E+00	9.28E-01	9.84E-05	1.12E-02	4.73E-03	9.44E-01	1.13E+00	2.27E+00	1.02E+00	1.62E-01	4.58E+00
2367	494961.06	3860101.99	5.80505	2.90444	5.4213	2.17869	9.49E-01	2.25E+00	1.05E+00	1.60E-01	4.41E+00	9.35E-01	9.76E-05	1.15E-02	4.69E-03	9.52E-01	1.14E+00	2.25E+00	1.05E+00	1.60E-01	4.60E+00
2368	495011.06	3860101.99	5.80814	2.8689	5.5713	2.16135	9.50E-01	2.23E+00	1.08E+00	1.59E-01	4.41E+00	9.36E-01	9.64E-05	1.18E-02	4.65E-03	9.52E-01	1.14E+00	2.23E+00	1.08E+00	1.59E-01	4.60E+00
2369	495061.06	3860101.99	5.71416	2.83401	5.6624	2.1515	9.35E-01	2.20E+00	1.10E+00	1.58E-01	4.39E+00	9.21E-01	9.52E-05	1.20E-02	4.63E-03	9.37E-01	1.12E+00	2.20E+00	1.10E+00	1.58E-01	4.57E+00
2370	495111.06	3860101.99	5.64167	2.7695	5.6674	2.14001	9.23E-01	2.15E+00	1.10E+00	1.58E-01	4.33E+00	9.09E-01	9.30E-05	1.20E-02	4.61E-03	9.26E-01	1.10E+00	2.15E+00	1.10E+00	1.58E-01	4.51E+00
2371	495161.06	3860101.99	5.56307	2.75373	5.6611	2.13262	9.10E-01	2.14E+00	1.10E+00	1.57E-01	4.30E+00	8.96E-01	9.25E-05	1.20E-02	4.59E-03	9.13E-01	1.09E+00	2.14E+00	1.10E+00	1.57E-01	4.48E+00
2372	495211.06	3860101.99	5.61008	2.71613	5.6345	2.13905	9.18E-01	2.11E+00	1.09E+00	1.57E-01	4.27E+00	9.04E-01	9.12E-05	1.20E-02	4.60E-03	9.21E-01	1.10E+00	2.11E+00	1.09E+00	1.57E-01	4.45E+00
2373	495261.06	3860101.99	5.67009	2.67472	5.6387	2.13924	9.27E-01	2.07E+00	1.09E+00	1.57E-01	4.25E+00	9.14E-01	8.98E-05	1.20E-02	4.61E-03	9.30E-01	1.11E+00	2.07E+00	1.09E+00	1.57E-01	4.44E+00
2374	495311.06	3860101.99	5.67773	2.6547	5.7156	2.13174	9.29E-01	2.06E+00	1.11E+00	1.57E-01	4.25E+00	9.15E-01	8.92E-05	1.22E-02	4.59E-03	9.32E-01	1.11E+00	2.06E+00	1.11E+00	1.57E-01	4.44E+00
2375	495361.06	3860101.99	5.69143	2.65179	5.824	2.12612	9.31E-01	2.06E+00	1.13E+00	1.57E-01	4.27E+00	9.17E-01	8.91E-05	1.24E-02	4.58E-03	9.34E-01	1.11E+00	2.06E+00	1.13E+00	1.57E-01	4.46E+00

2376	495411.06	3860101.99	5.72064	2.6166	5.925	2.11994	9.36E-01	2.03E+00	1.15E+00	1.56E-01	4.27E+00	9.22E-01	8.79E-05	1.26E-02	4.56E-03	9.39E-01	1.12E+00	2.03E+00	1.15E+00	1.56E-01	4.45E+00
2377	495461.06	3860101.99	5.90954	2.5628	6.0187	2.11078	9.67E-01	1.99E+00	1.17E+00	1.55E-01	4.28E+00	9.52E-01	8.61E-05	1.28E-02	4.54E-03	9.70E-01	1.16E+00	1.99E+00	1.17E+00	1.55E-01	4.47E+00
2378	495511.06	3860101.99	5.83615	2.56267	6.0889	2.10645	9.55E-01	1.99E+00	1.18E+00	1.55E-01	4.28E+00	9.40E-01	8.61E-05	1.29E-02	4.53E-03	9.58E-01	1.14E+00	1.99E+00	1.18E+00	1.55E-01	4.47E+00
2379	495561.06	3860101.99	5.75301	2.56327	6.1151	2.10262	9.41E-01	1.99E+00	1.19E+00	1.55E-01	4.27E+00	9.27E-01	8.61E-05	1.30E-02	4.53E-03	9.45E-01	1.13E+00	1.99E+00	1.19E+00	1.55E-01	4.45E+00
2380	495611.06	3860101.99	5.75123	2.50582	6.2634	2.09899	9.41E-01	1.94E+00	1.21E+00	1.55E-01	4.25E+00	9.27E-01	8.42E-05	1.33E-02	4.52E-03	9.45E-01	1.13E+00	1.94E+00	1.21E+00	1.55E-01	4.44E+00
2381	495661.06	3860101.99	5.76176	2.48001	6.2877	2.0984	9.42E-01	1.92E+00	1.22E+00	1.54E-01	4.24E+00	9.28E-01	8.33E-05	1.34E-02	4.52E-03	9.46E-01	1.13E+00	1.92E+00	1.22E+00	1.54E-01	4.43E+00
2382	494861.06	3860151.99	5.87028	3.20245	5.0873	2.18323	9.60E-01	2.48E+00	9.86E-01	1.61E-01	4.59E+00	9.46E-01	1.08E-04	1.08E-02	4.70E-03	9.62E-01	1.15E+00	2.48E+00	9.86E-01	1.61E-01	4.78E+00
2383	494911.06	3860151.99	5.83669	3.0423	4.8886	2.22763	9.55E-01	2.36E+00	9.48E-01	1.64E-01	4.43E+00	9.40E-01	1.02E-04	1.04E-02	4.80E-03	9.56E-01	1.14E+00	2.36E+00	9.48E-01	1.64E-01	4.61E+00
2384	494961.06	3860151.99	5.69624	3.00977	4.8373	2.20747	9.32E-01	2.33E+00	9.38E-01	1.63E-01	4.37E+00	9.18E-01	1.01E-04	1.03E-02	4.75E-03	9.33E-01	1.11E+00	2.33E+00	9.38E-01	1.63E-01	4.55E+00
2385	495011.06	3860151.99	5.65291	2.96866	4.9048	2.19739	9.25E-01	2.30E+00	9.51E-01	1.62E-01	4.34E+00	9.11E-01	9.97E-05	1.04E-02	4.73E-03	9.26E-01	1.11E+00	2.30E+00	9.51E-01	1.62E-01	4.52E+00
2386	495061.06	3860151.99	5.6993	2.91697	5.1037	2.18737	9.32E-01	2.26E+00	9.90E-01	1.61E-01	4.35E+00	9.18E-01	9.80E-05	1.09E-02	4.71E-03	9.34E-01	1.12E+00	2.26E+00	9.90E-01	1.61E-01	4.53E+00
2387	495111.06	3860151.99	5.73731	2.88209	5.2908	2.17695	9.38E-01	2.24E+00	1.03E+00	1.60E-01	4.36E+00	9.24E-01	9.68E-05	1.12E-02	4.69E-03	9.40E-01	1.12E+00	2.24E+00	1.03E+00	1.60E-01	4.54E+00
2388	495161.06	3860151.99	5.65589	2.85021	5.4148	2.16994	9.25E-01	2.21E+00	1.05E+00	1.60E-01	4.35E+00	9.11E-01	9.57E-05	1.15E-02	4.67E-03	9.28E-01	1.11E+00	2.21E+00	1.05E+00	1.60E-01	4.53E+00
2389	495211.06	3860151.99	5.57121	2.82427	5.5387	2.16054	9.11E-01	2.19E+00	1.07E+00	1.59E-01	4.34E+00	8.98E-01	9.49E-05	1.18E-02	4.65E-03	9.14E-01	1.09E+00	2.19E+00	1.07E+00	1.59E-01	4.51E+00
2390	495261.06	3860151.99	5.48694	2.8096	5.4923	2.15211	8.97E-01	2.18E+00	1.06E+00	1.58E-01	4.30E+00	8.84E-01	9.44E-05	1.17E-02	4.63E-03	9.01E-01	1.07E+00	2.18E+00	1.06E+00	1.58E-01	4.48E+00
2391	495311.06	3860151.99	5.48055	2.79188	5.5003	2.14341	8.96E-01	2.17E+00	1.07E+00	1.58E-01	4.29E+00	8.83E-01	9.38E-05	1.17E-02	4.61E-03	8.99E-01	1.07E+00	2.17E+00	1.07E+00	1.58E-01	4.46E+00
2392	495361.06	3860151.99	5.53605	2.76858	5.4814	2.13495	9.05E-01	2.15E+00	1.06E+00	1.57E-01	4.27E+00	8.92E-01	9.30E-05	1.17E-02	4.60E-03	9.08E-01	1.08E+00	2.15E+00	1.06E+00	1.57E-01	4.45E+00
2393	495411.06	3860151.99	5.59164	2.7342	5.4898	2.14001	9.15E-01	2.12E+00	1.06E+00	1.58E-01	4.26E+00	9.01E-01	9.18E-05	1.17E-02	4.61E-03	9.17E-01	1.09E+00	2.12E+00	1.06E+00	1.58E-01	4.44E+00
2394	495461.06	3860151.99	5.57791	2.70684	5.5488	2.13349	9.12E-01	2.10E+00	1.08E+00	1.57E-01	4.25E+00	8.99E-01	9.09E-05	1.18E-02	4.59E-03	9.15E-01	1.09E+00	2.10E+00	1.08E+00	1.57E-01	4.42E+00
2395	495511.06	3860151.99	5.616	2.65312	5.6466	2.12574	9.19E-01	2.06E+00	1.09E+00	1.57E-01	4.23E+00	9.05E-01	8.91E-05	1.20E-02	4.58E-03	9.22E-01	1.10E+00	2.06E+00	1.09E+00	1.57E-01	4.41E+00
2396	495561.06	3860151.99	5.62307	2.62403	5.7473	2.11989	9.20E-01	2.04E+00	1.11E+00	1.56E-01	4.23E+00	9.06E-01	8.81E-05	1.22E-02	4.56E-03	9.23E-01	1.10E+00	2.04E+00	1.11E+00	1.56E-01	4.41E+00
2397	495611.06	3860151.99	5.59327	2.58623	5.8414	2.11715	9.15E-01	2.01E+00	1.13E+00	1.56E-01	4.21E+00	9.01E-01	8.69E-05	1.24E-02	4.56E-03	9.18E-01	1.09E+00	2.01E+00	1.13E+00	1.56E-01	4.39E+00
2398	495661.06	3860151.99	5.51322	2.54099	5.9267	2.10693	9.02E-01	1.97E+00	1.15E+00	1.55E-01	4.18E+00	8.88E-01	8.54E-05	1.26E-02	4.54E-03	9.06E-01	1.08E+00	1.97E+00	1.15E+00	1.55E-01	4.35E+00
2399	495718.25	3859442.96	4.68106	0.92098	7.368	2.16955	7.66E-01	7.14E-01	1.43E+00	1.60E-01	3.07E+00	7.54E-01	3.09E-05	1.57E-02	4.67E-03	7.75E-01	9.16E-01	7.14E-01	1.43E+00	1.60E-01	3.22E+00
2400	495818.25	3859442.96	4.57801	0.88852	7.4071	2.13948	7.49E-01	6.89E-01	1.44E+00	1.58E-01	3.03E+00	7.38E-01	2.98E-05	1.57E-02	4.61E-03	7.58E-01	8.96E-01	6.89E-01	1.44E+00	1.58E-01	3.18E+00
2401	495918.25	3859442.96	4.44386	0.87028	7.4446	2.11696	7.27E-01	6.75E-01	1.44E+00	1.56E-01	3.00E+00	7.16E-01	2.92E-05	1.58E-02	4.56E-03	7.36E-01	8.70E-01	6.75E-01	1.44E+00	1.56E-01	3.14E+00
2402	496018.25	3859442.96	4.42158	0.85668	7.5782	2.09321	7.23E-01	6.65E-01	1.47E+00	1.54E-01	3.01E+00	7.12E-01	2.88E-05	1.61E-02	4.51E-03	7.33E-01	8.65E-01	6.65E-01	1.47E+00	1.54E-01	3.15E+00
2403	496118.25	3859442.96	4.47944	0.88618	7.7032	2.12264	7.33E-01	6.87E-01	1.49E+00	1.56E-01	3.07E+00	7.22E-01	2.98E-05	1.64E-02	4.57E-03	7.43E-01	8.77E-01	6.87E-01	1.49E+00	1.56E-01	3.21E+00
2404	496218.25	3859442.96	4.53712	0.91567	7.5951	2.13027	7.42E-01	7.10E-01	1.47E+00	1.57E-01	3.08E+00	7.31E-01	3.08E-05	1.61E-02	4.59E-03	7.52E-01	8.88E-01	7.10E-01	1.47E+00	1.57E-01	3.23E+00
2405	496318.25	3859442.96	4.39725	0.90551	7.4482	2.1131	7.19E-01	7.02E-01	1.44E+00	1.56E-01	3.02E+00	7.09E-01	3.04E-05	1.58E-02	4.55E-03	7.29E-01	8.60E-01	7.02E-01	1.44E+00	1.56E-01	3.16E+00
2406	496418.25	3859442.96	4.29195	0.89204	7.4483	2.10374	7.02E-01	6.92E-01	1.44E+00	1.55E-01	2.99E+00	6.92E-01	3.00E-05	1.58E-02	4.53E-03	7.12E-01	8.40E-01	6.92E-01	1.44E+00	1.55E-01	3.13E+00
2407	495718.25	3859542.96	5.12099	1.09117	7.6084	2.21665	8.38E-01	8.46E-01	1.48E+00	1.63E-01	3.32E+00	8.25E-01	3.67E-05	1.62E-02	4.77E-03	8.46E-01	1.00E+00	8.46E-01	1.48E+00	1.63E-01	3.49E+00
2408	495818.25	3859542.96	5.01488	1.06243	7.2405	2.1812	8.20E-01	8.24E-01	1.40E+00	1.61E-01	3.21E+00	8.08E-01	3.57E-05	1.54E-02	4.70E-03	8.28E-01	9.81E-01	8.24E-01	1.40E+00	1.61E-01	3.37E+00
2409	495918.25	3859542.96	4.8681	1.02416	6.9281	2.13857	7.96E-01	7.94E-01	1.34E+00	1.57E-01	3.09E+00	7.84E-01	3.44E-05	1.47E-02	4.60E-03	8.04E-01	9.53E-01	7.94E-01	1.34E+00	1.57E-01	3.25E+00
2410	496018.25	3859542.96	4.73303	0.99413	6.7254	2.08581	7.74E-01	7.71E-01	1.30E+00	1.54E-01	3.00E+00	7.63E-01	3.34E-05	1.43E-02	4.49E-03	7.81E-01	9.26E-01	7.71E-01	1.30E+00	1.54E-01	3.16E+00
2411	496118.25	3859542.96	4.79309	1.04926	6.743	2.11542	7.84E-01	8.14E-01	1.31E+00	1.56E-01	3.06E+00	7.72E-01	3.52E-05	1.43E-02	4.55E-03	7.91E-01	9.38E-01	8.14E-01	1.31E+00	1.56E-01	3.22E+00
2412	496218.25	3859542.96	4.70265	1.07843	6.9114	2.12272	7.69E-01	8.37E-01	1.34E+00	1.56E-01	3.10E+00	7.58E-01	3.62E-05	1.47E-02	4.57E-03	7.77E-01	9.20E-01	8.37E-01	1.34E+00	1.56E-01	3.25E+00
2413	496318.25	3859542.96	4.76503	1.09453	6.9955	2.11918	7.79E-01	8.49E-01	1.36E+00	1.56E-01	3.14E+00	7.68E-01	3.68E-05	1.49E-02	4.56E-03	7.87E-01	9.32E-01	8.49E-01	1.36E+00	1.56E-01	3.29E+00
2414	496418.25	3859542.96	4.646	1.05817	7.0594	2.06971	7.60E-01	8.21E-01	1.37E+00	1.52E-01	3.10E+00	7.49E-01	3.55E-05	1.50E-02	4.46E-03	7.68E-01	9.09E-01	8.21E-01	1.37E+00	1.52E-01	3.25E+00
2415	495718.25	3859642.96	5.31701	1.29384	7.9409	2.23623	8.70E-01	1.00E+00	1.54E+00	1.65E-01	3.58E+00	8.57E-01	4.35E-05	1.69E-02	4.81E-03	8.78E-01	1.04E+00	1.00E+00	1.54E+00	1.65E-01	3.75E+00
2416	495818.25	3859642.96	5.22833	1.2533	7.8287	2.24071	8.55E-01	9.72E-01	1.52E+00	1.65E-01	3.51E+00	8.42E-01	4.21E-05	1.66E-02	4.82E-03	8.64E-01	1.02E+00	9.72E-01	1.52E+00	1.65E-01	3.68E+00
2417	495918.25	3859642.96	5.19704	1.23485	7.7529	2.24858	8.50E-01	9.58E-01	1.50E+00	1.66E-01	3.48E+00	8.37E-01	4.15E-05	1.65E-02	4.84E-03	8.59E-01	1.02E+00	9.58E-01	1.50E+00	1.66E-01	3.64E+00
2418	496018.25	3859642.96	5.09299	1.1951	7.6541	2.20664	8.33E-01	9.27E-01	1.48E+00	1.62E-01	3.41E+00	8.21E-01	4.01E-05	1.63E-02	4.75E-03	8.42E-01	9.97E-01	9.27E-01	1.48E+00	1.62E-01	3.57E+00
2419	496118.25	3859642.96	5.08929	1.27559	7.4113	2.21762	8.32E-01	9.89E-01	1.44E+00	1.63E-01	3.42E+00	8.20E-01	4.28E-05	1.58E-02	4.77E-03	8.41E-01	9.96E-01	9.90E-01	1.44E+00	1.63E-01	3.59E+00
2420	496218.25	3859642.96	5.02946	1.32452	7.1569	2.21256	8.23E-01	1.03E+00	1.39E+00	1.63E-01	3.40E+00	8.10E-01	4.45E-05	1.52E-02	4.76E-03	8.30E-01	9.84E-01	1.03E+00	1.39E+00	1.63E-01	3.56E+00
2421	496318.25	3859642.96	4.95624	1.29583	6.8343	2.17884	8.11E-01	1.01E+00	1.33E+00	1.60E-01	3.30E+00	7.99E-01	4.35E-05	1.45E-02	4.69E-03	8.18E-01	9.70E-01	1.01E+00	1.33E+00	1.60E-01	3.46E+00
2422	496418.25	3859642.96	4.74636	1.11104	6.4665	2.06522	7.76E-01	8.62E-01	1.25E+00	1.52E-01	3.04E+00	7.65E-01	3.73E-05	1.37E-02	4.45E-03	7.83E-01	9.29E-01	8.62E-01	1.25E+00	1.52E-01	3.20E+00
2423	495718.25	3859742.96	5.51527	1.57953	7.533	2.23337	9.02E-01	1.23E+00	1.46E+00	1.64E-01	3.75E+00	8.89E-01	5.31E-05	1.60E-02	4.81E-03	9.10E-01	1.08E+00	1.23E+00	1.46E+00	1.64E-01	3.93E+00
2424	495818.25	3859742.96	5.43966	1.48869	7.6943	2.20843	8.90E-01	1.15E+00	1.49E+00	1.63E-01	3.70E+00	8.77E-01	5.00E-05	1.64E-02	4.75E-03	8.98E-01	1.06E+00	1.15E+00	1.49E+00	1.63E-01	3.87E+00
2425	495918.25	3859742.96	5.37185	1.4397	7.8037	2.1835	8.79E-01	1.12E+00	1.51E+00	1.61E-01	3.67E+00	8.66E-01	4.84E-05	1.66E-02	4.70E-03	8.87E-01	1.05E+00	1.12E+00	1.51E+00	1.61E-01	3.84E+00
2426	496018.25	3859742.96	5.24752	1.40214	7.9048	2.15638	8.58E-01	1.09E+00	1.53E+00	1.59E-01	3.64E+00	8.46E-01	4.71E-05	1.68E-02	4.64E-03	8.67E-01	1.03E+00	1.09E+00	1.53E+00	1.59E-01	3.81E+00
2427	496118.25	3859742.96	5.26309	1.45717	7.5559	2.15017	8.61E-01	1.13E+00	1.47E+00	1.58E-01	3.61E+00	8.48E-01	4.89E-05	1.61E-02	4.63E-03	8.69E-01	1.03E+00	1.13E+00	1.47E+00	1.58E-01	3.78E+00
2428	496218.25	3859742.96	5.29698	1.54166	7.4908	2.14379	8.66E-01	1.20E+00	1.45E+00	1.58E-01	3.67E+00	8.54E-01	5.18E-05	1.59E-02	4.62E-03	8.74E-01	1.04E+00	1.20E+00	1.45E+00	1.58E-01	3.84E+00
2429	496318.25	3859742.96	5.09777	1.37427	7.3344	2.09975	8.34E-01	1.07E+00	1.42E+00	1.55E-01	3.48E+00	8.21E-01	4.62E-05	1.56E-02	4.52E-03	8.42E-01	9.98E-01	1.07E+00	1.42E+00	1.55E-01	3.64E+00
2430	496418.25	3859742.96	4.89803	1.22891	7.2073	2.04943	8.01E-01	9.53E-01	1.40E+00	1.51E-01	3.30E+00	7.89E-01	4.13E-05	1.53E-02	4.41E-03	8.09E-01	9.58E-01	9.53E-01	1.40E+00	1.51E-01	3.46E+00
2431	495718.25	3859842.96	5.69898	1.8263	7.1537	2.25541	9.32E-01	1.42E+00	1.39E+00	1.66E-01	3.90E+00	9.18E-01	6.13E-05	1.52E-02	4.86E-03	9.38E-01	1.12E+00	1.42E+00	1.39E+00	1.66E-01	4.09E+00
2432	495818.25	3859842.96	5.5295	1.79967	7.194	2.23843	9.04E-01	1.40E+00	1.39E+00	1.65E-01	3.86E+00	8.91E-01	6.05E-05	1.53E-02	4.82E-03	9.11E-01	1.08E+00	1.40E+00	1.39E+00	1.65E-01	4.04E+00
2433	495918.25	3859842.96	5.44112	1.74628	7.1754	2.22303	8.90E-01	1.35E+00	1.39E+00	1.64E-01	3.80E+00	8.77E-01	5.87E-05	1.53E-02	4.79E-03	8.97E-01	1.06E+00	1.35E+00	1.39E+00	1.64E-01	3.97E+00
2434	496018.25	3859842.96	5.39333	1.72971	7.1605	2.21009	8.82E-01	1.34E+00	1.39E+00	1.63E-01	3.78E+00	8.69E-01	5.81E-05	1.52E-02	4.76E-03	8.89E-01	1.06E+00	1.34E+00	1.39E+00	1.63E-01	3.95E+00
2435	496118.25	3859842.96	5.3798	1.81429	7.2034	2.20813	8.80E-01	1.41E+00	1.40E+00	1.63E-01	3.85E+00	8.67E-01	6.09E-05	1.53E-02	4.75E-03	8.87E-01	1.05E+00	1.41E+00	1.40E+00	1.63E-01	4.02E+00
2436	496218.25	3859842.96	5.28951	1.63179	7.2213	2.1795	8.65E-01	1.27E+00	1.40E+00	1.60E-01	3.69E+00	8.52E-01	5.48E-05	1.54E-02	4.69E-03	8.72E-01	1.04E+00	1.27E+00	1.40E+00	1.60E-01	3.86E+00

2437	496318.25	3859842.96	5.0432	1.2954	7.3126	2.10569	8.25E-01	1.00E+00	1.42E+00	1.55E-01	3.40E+00	8.13E-01	4.35E-05	1.55E-02	4.53E-03	8.33E-01	9.87E-01	1.00E+00	1.42E+00	1.55E-01	3.56E+00
2438	496418.25	3859842.96	4.87376	1.13897	7.3389	1.97512	7.97E-01	8.83E-01	1.42E+00	1.45E-01	3.25E+00	7.85E-01	3.83E-05	1.56E-02	4.25E-03	8.05E-01	9.54E-01	8.84E-01	1.42E+00	1.45E-01	3.41E+00
2439	495718.25	3859942.96	5.6768	2.1426	6.8385	2.21891	9.29E-01	1.66E+00	1.33E+00	1.63E-01	4.08E+00	9.15E-01	7.20E-05	1.45E-02	4.78E-03	9.34E-01	1.11E+00	1.66E+00	1.33E+00	1.63E-01	4.26E+00
2440	495818.25	3859942.96	5.62753	2.07782	6.6992	2.18113	9.20E-01	1.61E+00	1.30E+00	1.61E-01	3.99E+00	9.07E-01	6.98E-05	1.42E-02	4.70E-03	9.26E-01	1.10E+00	1.61E+00	1.30E+00	1.61E-01	4.17E+00
2441	495918.25	3859942.96	5.55846	2.04526	6.7428	2.14205	9.09E-01	1.59E+00	1.31E+00	1.58E-01	3.96E+00	8.96E-01	6.87E-05	1.43E-02	4.61E-03	9.15E-01	1.09E+00	1.59E+00	1.31E+00	1.58E-01	4.14E+00
2442	496018.25	3859942.96	5.50491	2.11413	6.8341	2.10954	9.00E-01	1.64E+00	1.33E+00	1.55E-01	4.02E+00	8.87E-01	7.10E-05	1.45E-02	4.54E-03	9.06E-01	1.08E+00	1.64E+00	1.33E+00	1.55E-01	4.20E+00
2443	496118.25	3859942.96	5.34128	1.96139	6.8515	2.09904	8.74E-01	1.52E+00	1.33E+00	1.55E-01	3.88E+00	8.61E-01	6.59E-05	1.46E-02	4.52E-03	8.80E-01	1.05E+00	1.52E+00	1.33E+00	1.55E-01	4.05E+00
2444	496218.25	3859942.96	5.2573	1.70122	6.7909	2.07728	8.60E-01	1.32E+00	1.32E+00	1.53E-01	3.65E+00	8.47E-01	5.71E-05	1.44E-02	4.47E-03	8.66E-01	1.03E+00	1.32E+00	1.32E+00	1.53E-01	3.82E+00
2445	496318.25	3859942.96	5.14504	1.46833	6.7568	2.04701	8.42E-01	1.14E+00	1.31E+00	1.51E-01	3.44E+00	8.29E-01	4.93E-05	1.44E-02	4.41E-03	8.48E-01	1.01E+00	1.14E+00	1.31E+00	1.51E-01	3.61E+00
2446	496418.25	3859942.96	4.88658	1.15921	6.6368	1.98646	7.99E-01	8.99E-01	1.29E+00	1.46E-01	3.13E+00	7.87E-01	3.89E-05	1.41E-02	4.28E-03	8.06E-01	9.56E-01	8.99E-01	1.29E+00	1.46E-01	3.29E+00
2447	496856.82	3858864.83	2.08426	0.48022	8.634	1.53528	3.41E-01	3.73E-01	1.67E+00	1.13E-01	2.50E+00	3.36E-01	1.61E-05	1.84E-02	3.31E-03	3.58E-01	4.08E-01	3.73E-01	1.67E+00	1.13E-01	2.57E+00
2448	496956.82	3858864.83	2.0442	0.47418	8.5352	1.52351	3.34E-01	3.68E-01	1.66E+00	1.12E-01	2.47E+00	3.29E-01	1.59E-05	1.81E-02	3.28E-03	3.51E-01	4.00E-01	3.68E-01	1.66E+00	1.12E-01	2.54E+00
2449	497056.82	3858864.83	1.9956	0.47047	8.407	1.51184	3.26E-01	3.65E-01	1.63E+00	1.11E-01	2.43E+00	3.22E-01	1.58E-05	1.79E-02	3.25E-03	3.43E-01	3.90E-01	3.65E-01	1.63E+00	1.11E-01	2.50E+00
2450	497156.82	3858864.83	1.93001	0.46316	8.0926	1.49856	3.16E-01	3.59E-01	1.57E+00	1.10E-01	2.35E+00	3.11E-01	1.56E-05	1.72E-02	3.23E-03	3.31E-01	3.78E-01	3.59E-01	1.57E+00	1.10E-01	2.42E+00
2451	497256.82	3858864.83	1.92758	0.46207	7.9518	1.48782	3.15E-01	3.58E-01	1.54E+00	1.10E-01	2.33E+00	3.11E-01	1.55E-05	1.69E-02	3.20E-03	3.31E-01	3.77E-01	3.58E-01	1.54E+00	1.10E-01	2.39E+00
2452	496856.82	3858964.83	2.39203	0.50992	8.3623	1.55289	3.91E-01	3.96E-01	1.62E+00	1.14E-01	2.52E+00	3.85E-01	1.71E-05	1.78E-02	3.34E-03	4.07E-01	4.68E-01	3.96E-01	1.62E+00	1.14E-01	2.60E+00
2453	496956.82	3858964.83	2.29733	0.49997	8.1255	1.53508	3.76E-01	3.88E-01	1.58E+00	1.13E-01	2.45E+00	3.70E-01	1.68E-05	1.73E-02	3.30E-03	3.91E-01	4.50E-01	3.88E-01	1.58E+00	1.13E-01	2.53E+00
2454	497056.82	3858964.83	2.23525	0.49112	7.9957	1.52461	3.66E-01	3.81E-01	1.55E+00	1.12E-01	2.41E+00	3.60E-01	1.65E-05	1.70E-02	3.28E-03	3.80E-01	4.37E-01	3.81E-01	1.55E+00	1.12E-01	2.48E+00
2455	497156.82	3858964.83	2.15911	0.48276	7.8999	1.49562	3.53E-01	3.74E-01	1.53E+00	1.10E-01	2.37E+00	3.48E-01	1.62E-05	1.68E-02	3.22E-03	3.68E-01	4.22E-01	3.74E-01	1.53E+00	1.10E-01	2.44E+00
2456	497256.82	3858964.83	2.26477	0.49431	7.87	1.50343	3.70E-01	3.83E-01	1.53E+00	1.11E-01	2.39E+00	3.65E-01	1.66E-05	1.67E-02	3.24E-03	3.85E-01	4.43E-01	3.83E-01	1.53E+00	1.11E-01	2.46E+00
2457	496856.82	3859064.83	2.63446	0.54076	8.6166	1.63392	4.31E-01	4.19E-01	1.67E+00	1.20E-01	2.64E+00	4.24E-01	1.82E-05	1.83E-02	3.52E-03	4.46E-01	5.16E-01	4.19E-01	1.67E+00	1.20E-01	2.73E+00
2458	496956.82	3859064.83	2.5228	0.53014	8.4483	1.61766	4.13E-01	4.11E-01	1.64E+00	1.19E-01	2.58E+00	4.07E-01	1.78E-05	1.80E-02	3.48E-03	4.28E-01	4.94E-01	4.11E-01	1.64E+00	1.19E-01	2.66E+00
2459	497056.82	3859064.83	2.47687	0.52342	8.3655	1.5987	4.05E-01	4.06E-01	1.62E+00	1.18E-01	2.55E+00	3.99E-01	1.76E-05	1.78E-02	3.44E-03	4.20E-01	4.85E-01	4.06E-01	1.62E+00	1.18E-01	2.63E+00
2460	497156.82	3859064.83	2.45664	0.5182	8.3614	1.58296	4.02E-01	4.02E-01	1.62E+00	1.17E-01	2.54E+00	3.96E-01	1.74E-05	1.78E-02	3.41E-03	4.17E-01	4.81E-01	4.02E-01	1.62E+00	1.17E-01	2.62E+00
2461	497256.82	3859064.83	2.65763	0.53935	8.4707	1.61497	4.35E-01	4.18E-01	1.64E+00	1.19E-01	2.61E+00	4.28E-01	1.81E-05	1.80E-02	3.48E-03	4.50E-01	5.20E-01	4.18E-01	1.64E+00	1.19E-01	2.70E+00
2462	496856.82	3859164.83	2.81112	0.56169	8.0118	1.64999	4.60E-01	4.36E-01	1.55E+00	1.21E-01	2.57E+00	4.53E-01	1.89E-05	1.70E-02	3.55E-03	4.74E-01	5.50E-01	4.36E-01	1.55E+00	1.21E-01	2.66E+00
2463	496956.82	3859164.83	2.73613	0.5492	8.0301	1.63223	4.48E-01	4.26E-01	1.56E+00	1.20E-01	2.55E+00	4.41E-01	1.84E-05	1.71E-02	3.51E-03	4.61E-01	5.35E-01	4.26E-01	1.56E+00	1.20E-01	2.64E+00
2464	497056.82	3859164.83	2.7402	0.5481	8.0771	1.62818	4.48E-01	4.25E-01	1.57E+00	1.20E-01	2.56E+00	4.42E-01	1.84E-05	1.72E-02	3.51E-03	4.62E-01	5.36E-01	4.25E-01	1.57E+00	1.20E-01	2.65E+00
2465	497156.82	3859164.83	2.7955	0.56257	8.0856	1.67127	4.57E-01	4.36E-01	1.57E+00	1.23E-01	2.58E+00	4.50E-01	1.89E-05	1.72E-02	3.60E-03	4.71E-01	5.47E-01	4.36E-01	1.57E+00	1.23E-01	2.67E+00
2466	497256.82	3859164.83	3.00185	0.58964	8.1458	1.7184	4.91E-01	4.57E-01	1.58E+00	1.27E-01	2.65E+00	4.84E-01	1.98E-05	1.73E-02	3.70E-03	5.05E-01	5.87E-01	4.57E-01	1.58E+00	1.27E-01	2.75E+00
2467	496856.82	3859264.83	2.91831	0.58315	7.6939	1.77377	4.77E-01	4.52E-01	1.49E+00	1.31E-01	2.55E+00	4.70E-01	1.96E-05	1.64E-02	3.82E-03	4.90E-01	5.71E-01	4.52E-01	1.49E+00	1.31E-01	2.65E+00
2468	496956.82	3859264.83	2.90428	0.58924	7.8011	1.77952	4.75E-01	4.57E-01	1.51E+00	1.31E-01	2.58E+00	4.68E-01	1.98E-05	1.66E-02	3.83E-03	4.88E-01	5.68E-01	4.57E-01	1.51E+00	1.31E-01	2.67E+00
2469	497056.82	3859264.83	3.00039	0.60381	7.803	1.79749	4.91E-01	4.68E-01	1.51E+00	1.32E-01	2.60E+00	4.83E-01	2.03E-05	1.66E-02	3.87E-03	5.04E-01	5.87E-01	4.68E-01	1.51E+00	1.32E-01	2.70E+00
2470	497156.82	3859264.83	3.06242	0.62059	7.7734	1.79966	5.01E-01	4.81E-01	1.51E+00	1.32E-01	2.62E+00	4.93E-01	2.08E-05	1.65E-02	3.87E-03	5.14E-01	5.99E-01	4.81E-01	1.51E+00	1.32E-01	2.72E+00
2471	497256.82	3859264.83	3.20865	0.66179	7.756	1.82484	5.25E-01	5.13E-01	1.50E+00	1.34E-01	2.68E+00	5.17E-01	2.22E-05	1.65E-02	3.93E-03	5.37E-01	6.28E-01	5.13E-01	1.50E+00	1.34E-01	2.78E+00
2472	497088.92	3858620.93	1.35251	0.42756	7.2083	1.37818	2.21E-01	3.32E-01	1.40E+00	1.01E-01	2.05E+00	2.18E-01	1.44E-05	1.53E-02	2.97E-03	2.36E-01	2.65E-01	3.32E-01	1.40E+00	1.01E-01	2.10E+00
2473	497138.92	3858620.93	1.35951	0.4276	7.1865	1.37486	2.22E-01	3.32E-01	1.39E+00	1.01E-01	2.05E+00	2.19E-01	1.44E-05	1.53E-02	2.96E-03	2.37E-01	2.66E-01	3.32E-01	1.39E+00	1.01E-01	2.09E+00
2474	497188.92	3858620.93	1.33713	0.42611	7.1032	1.3629	2.19E-01	3.31E-01	1.38E+00	1.00E-01	2.03E+00	2.15E-01	1.43E-05	1.51E-02	2.93E-03	2.34E-01	2.62E-01	3.31E-01	1.38E+00	1.00E-01	2.07E+00
2475	497238.92	3858620.93	1.33083	0.42484	7.0575	1.3566	2.18E-01	3.30E-01	1.37E+00	9.99E-02	2.02E+00	2.14E-01	1.43E-05	1.50E-02	2.92E-03	2.32E-01	2.60E-01	3.30E-01	1.37E+00	9.99E-02	2.06E+00
2476	497088.92	3858670.93	1.40214	0.43474	7.0019	1.37083	2.29E-01	3.37E-01	1.36E+00	1.01E-01	2.03E+00	2.26E-01	1.46E-05	1.49E-02	2.95E-03	2.44E-01	2.74E-01	3.37E-01	1.36E+00	1.01E-01	2.07E+00
2477	497138.92	3858670.93	1.43513	0.44376	7.0024	1.37181	2.35E-01	3.44E-01	1.36E+00	1.01E-01	2.04E+00	2.31E-01	1.49E-05	1.49E-02	2.95E-03	2.49E-01	2.81E-01	3.44E-01	1.36E+00	1.01E-01	2.08E+00
2478	497188.92	3858670.93	1.41164	0.44121	6.9669	1.36342	2.31E-01	3.42E-01	1.35E+00	1.00E-01	2.02E+00	2.27E-01	1.48E-05	1.48E-02	2.94E-03	2.45E-01	2.76E-01	3.42E-01	1.35E+00	1.00E-01	2.07E+00
2479	497238.92	3858670.93	1.41762	0.44053	6.9509	1.36005	2.32E-01	3.42E-01	1.35E+00	1.00E-01	2.02E+00	2.28E-01	1.48E-05	1.48E-02	2.93E-03	2.46E-01	2.77E-01	3.42E-01	1.35E+00	1.00E-01	2.07E+00
2480	497088.92	3858720.93	1.56412	0.45585	7.037	1.39251	2.56E-01	3.54E-01	1.36E+00	1.03E-01	2.08E+00	2.52E-01	1.53E-05	1.50E-02	3.00E-03	2.70E-01	3.06E-01	3.54E-01	1.36E+00	1.03E-01	2.13E+00
2481	497138.92	3858720.93	1.47551	0.4499	6.8535	1.37271	2.41E-01	3.49E-01	1.33E+00	1.01E-01	2.02E+00	2.38E-01	1.51E-05	1.46E-02	2.96E-03	2.55E-01	2.89E-01	3.49E-01	1.33E+00	1.01E-01	2.07E+00
2482	497188.92	3858720.93	1.46381	0.44065	6.7844	1.36322	2.39E-01	3.42E-01	1.32E+00	1.00E-01	2.00E+00	2.36E-01	1.48E-05	1.44E-02	2.93E-03	2.53E-01	2.86E-01	3.42E-01	1.32E+00	1.00E-01	2.04E+00
2483	497238.92	3858720.93	1.52939	0.45298	6.8363	1.3693	2.50E-01	3.51E-01	1.33E+00	1.01E-01	2.03E+00	2.46E-01	1.52E-05	1.45E-02	2.95E-03	2.64E-01	2.99E-01	3.51E-01	1.33E+00	1.01E-01	2.08E+00
2484	497088.92	3858770.93	1.67052	0.45983	7.4598	1.42516	2.73E-01	3.57E-01	1.45E+00	1.05E-01	2.18E+00	2.69E-01	1.54E-05	1.59E-02	3.07E-03	2.88E-01	3.27E-01	3.57E-01	1.45E+00	1.05E-01	2.24E+00
2485	497138.92	3858770.93	1.63173	0.45607	7.3876	1.40305	2.67E-01	3.54E-01	1.43E+00	1.03E-01	2.16E+00	2.63E-01	1.53E-05	1.57E-02	3.02E-03	2.82E-01	3.19E-01	3.54E-01	1.43E+00	1.03E-01	2.21E+00
2486	497188.92	3858770.93	1.612	0.45184	7.3926	1.3992	2.64E-01	3.50E-01	1.43E+00	1.03E-01	2.15E+00	2.60E-01	1.52E-05	1.57E-02	3.01E-03	2.78E-01	3.15E-01	3.51E-01	1.43E+00	1.03E-01	2.20E+00
2487	497238.92	3858770.93	1.6502	0.45513	7.3307	1.39472	2.70E-01	3.53E-01	1.42E+00	1.03E-01	2.15E+00	2.66E-01	1.53E-05	1.56E-02	3.00E-03	2.85E-01	3.23E-01	3.53E-01	1.42E+00	1.03E-01	2.20E+00
2488	497396.65	3858622.63	1.53757	0.44986	7.129	1.37706	2.51E-01	3.49E-01	1.38E+00	1.01E-01	2.08E+00	2.48E-01	1.51E-05	1.52E-02	2.96E-03	2.66E-01	3.01E-01	3.49E-01	1.38E+00	1.01E-01	2.13E+00
2489	497496.65	3858622.63	1.696	0.4569	7.2658	1.39201	2.77E-01	3.54E-01	1.41E+00	1.02E-01	2.14E+00	2.73E-01	1.53E-05	1.54E-02	3.00E-03	2.92E-01	3.32E-01	3.54E-01	1.41E+00	1.02E-01	2.20E+00
2490	497596.65	3858622.63	1.94165	0.47986	7.5163	1.43879	3.18E-01	3.72E-01	1.46E+00	1.06E-01	2.25E+00	3.13E-01	1.61E-05	1.60E-02	3.10E-03	3.32E-01	3.80E-01	3.72E-01	1.46E+00	1.06E-01	2.32E+00
2491	497696.65	3858622.63	2.03172	0.48789	7.4552	1.45638	3.32E-01	3.78E-01	1.45E+00	1.07E-01	2.26E+00	3.27E-01	1.64E-05	1.59E-02	3.14E-03	3.46E-01	3.98E-01	3.78E-01	1.45E+00	1.07E-01	2.33E+00
2492	497796.65	3858622.63	2.19938	0.5024	7.4435	1.4737	3.60E-01	3.90E-01	1.44E+00	1.08E-01	2.30E+00	3.54E-01	1.69E-05	1.58E-02	3.17E-03	3.73E-01	4.30E-01	3.90E-01	1.44E+00	1.08E-01	2.37E+00
2493	497896.65	3858622.63	2.4109	0.51767	7.4277	1.50205	3.94E-01	4.02E-01	1.44E+00	1.11E-01	2.35E+00	3.88E-01	1.74E-05	1.58E-02	3.23E-03	4.08E-01	4.72E-01	4.02E-01	1.44E+00	1.11E-01	2.42E+00
2494	497396.65	3858722.63	1.81793	0.46737	7.453	1.39806	2.97E-01	3.63E-01	1.45E+00	1.03E-01	2.21E+00	2.93E-01	1.57E-05	1.58E-02	3.01E-03	3.12E-01	3.56E-01	3.63E-01	1.45E+00	1.03E-01	2.27E+00
2495	497496.65	3858722.63	1.99041	0.47849	7.5859	1.41924	3.26E-01	3.71E-01	1.47E+00	1.04E-01	2.27E+00	3.21E-01	1.61E-05	1.61E-02	3.06E-03	3.40E-01	3.89E-01	3.71E-01	1.47E+00	1.04E-01	2.34E+00
2496	497596.65	3858722.63	2.22251	0.49703	7.9669	1.48185	3.64E-01	3.86E-01	1.54E+00	1.09E-01	2.40E+00	3.58E-01	1.67E-05	1.69E-02	3.19E-03	3.78E-01	4.35E-01	3.86E-01	1.54E+00	1.09E-01	2.47E+00
2497	497696.65	3858722.63	2.37433	0.51082	7.9938	1.53544	3.88E-01	3.96E-01	1.55E+00	1.13E-01	2.45E+00	3.83E-01	1.72E-05	1.70E-02	3.31E-03	4.03E-01	4.65E-01	3.96E-01	1.55E+00	1.13E-01	2.52E+00

2498	497796.65	3858722.63	2.46992	0.52016	7.9334	1.57314	4.04E-01	4.03E-01	1.54E+00	1.16E-01	2.46E+00	3.98E-01	1.75E-05	1.69E-02	3.39E-03	4.18E-01	4.83E-01	4.04E-01	1.54E+00	1.16E-01	2.54E+00
2499	497896.65	3858722.63	2.60311	0.53711	7.908	1.61688	4.26E-01	4.17E-01	1.53E+00	1.19E-01	2.49E+00	4.19E-01	1.80E-05	1.68E-02	3.48E-03	4.40E-01	5.09E-01	4.17E-01	1.53E+00	1.19E-01	2.58E+00
2500	497396.65	3858822.63	2.04884	0.47644	7.8747	1.49204	3.35E-01	3.70E-01	1.53E+00	1.10E-01	2.34E+00	3.30E-01	1.60E-05	1.67E-02	3.21E-03	3.50E-01	4.01E-01	3.70E-01	1.53E+00	1.10E-01	2.41E+00
2501	497496.65	3858822.63	2.17642	0.48553	7.8644	1.5167	3.56E-01	3.77E-01	1.52E+00	1.12E-01	2.37E+00	3.51E-01	1.63E-05	1.67E-02	3.27E-03	3.71E-01	4.26E-01	3.77E-01	1.52E+00	1.12E-01	2.44E+00
2502	497596.65	3858822.63	2.49031	0.51459	8.3026	1.57185	4.07E-01	3.99E-01	1.61E+00	1.16E-01	2.53E+00	4.01E-01	1.73E-05	1.77E-02	3.38E-03	4.22E-01	4.87E-01	3.99E-01	1.61E+00	1.16E-01	2.61E+00
2503	497696.65	3858822.63	2.60841	0.53655	8.334	1.56645	4.27E-01	4.16E-01	1.62E+00	1.15E-01	2.57E+00	4.20E-01	1.80E-05	1.77E-02	3.37E-03	4.41E-01	5.10E-01	4.16E-01	1.62E+00	1.15E-01	2.66E+00
2504	497796.65	3858822.63	2.71545	0.54524	8.3848	1.5845	4.44E-01	4.23E-01	1.63E+00	1.17E-01	2.61E+00	4.38E-01	1.83E-05	1.78E-02	3.41E-03	4.59E-01	5.31E-01	4.23E-01	1.63E+00	1.17E-01	2.70E+00
2505	497896.65	3858822.63	2.95057	0.58097	8.4355	1.63019	4.83E-01	4.51E-01	1.64E+00	1.20E-01	2.69E+00	4.75E-01	1.95E-05	1.79E-02	3.51E-03	4.97E-01	5.77E-01	4.51E-01	1.64E+00	1.20E-01	2.78E+00
2506	497396.65	3858922.63	2.30744	0.49693	8.2164	1.49348	3.77E-01	3.85E-01	1.59E+00	1.10E-01	2.47E+00	3.72E-01	1.67E-05	1.75E-02	3.22E-03	3.93E-01	4.52E-01	3.85E-01	1.59E+00	1.10E-01	2.54E+00
2507	497496.65	3858922.63	2.59157	0.52959	8.3515	1.54707	4.24E-01	4.11E-01	1.62E+00	1.14E-01	2.57E+00	4.18E-01	1.78E-05	1.78E-02	3.33E-03	4.39E-01	5.07E-01	4.11E-01	1.62E+00	1.14E-01	2.65E+00
2508	497596.65	3858922.63	2.6184	0.53322	8.25	1.54822	4.28E-01	4.14E-01	1.60E+00	1.14E-01	2.56E+00	4.22E-01	1.79E-05	1.75E-02	3.33E-03	4.43E-01	5.12E-01	4.14E-01	1.60E+00	1.14E-01	2.64E+00
2509	497696.65	3858922.63	2.92801	0.57814	8.2993	1.64152	4.79E-01	4.48E-01	1.61E+00	1.21E-01	2.66E+00	4.72E-01	1.94E-05	1.76E-02	3.53E-03	4.93E-01	5.73E-01	4.48E-01	1.61E+00	1.21E-01	2.75E+00
2510	497796.65	3858922.63	3.05181	0.61419	8.2303	1.6887	4.99E-01	4.76E-01	1.60E+00	1.24E-01	2.70E+00	4.92E-01	2.06E-05	1.75E-02	3.64E-03	5.13E-01	5.97E-01	4.76E-01	1.60E+00	1.24E-01	2.79E+00
2511	497896.65	3858922.63	3.33152	0.67745	8.2251	1.77421	5.45E-01	5.25E-01	1.59E+00	1.31E-01	2.80E+00	5.37E-01	2.28E-05	1.75E-02	3.82E-03	5.58E-01	6.52E-01	5.26E-01	1.59E+00	1.31E-01	2.90E+00
2512	497364.44	3858201.52	1.0218	0.42203	7.0893	1.33839	1.67E-01	3.27E-01	1.37E+00	9.85E-02	1.97E+00	1.65E-01	1.42E-05	1.51E-02	2.88E-03	1.83E-01	2.00E-01	3.27E-01	1.37E+00	9.85E-02	2.00E+00
2513	497414.44	3858201.52	1.05859	0.42214	7.143	1.34464	1.73E-01	3.27E-01	1.39E+00	9.90E-02	1.98E+00	1.71E-01	1.42E-05	1.52E-02	2.89E-03	1.89E-01	2.07E-01	3.27E-01	1.39E+00	9.90E-02	2.02E+00
2514	497464.44	3858201.52	1.09431	0.4214	7.1553	1.35658	1.79E-01	3.27E-01	1.39E+00	9.99E-02	1.99E+00	1.76E-01	1.42E-05	1.52E-02	2.92E-03	1.94E-01	2.14E-01	3.27E-01	1.39E+00	9.99E-02	2.03E+00
2515	497514.44	3858201.52	1.10736	0.42053	7.1162	1.3469	1.81E-01	3.26E-01	1.38E+00	9.92E-02	1.99E+00	1.78E-01	1.41E-05	1.51E-02	2.90E-03	1.96E-01	2.17E-01	3.26E-01	1.38E+00	9.92E-02	2.02E+00
2516	497564.44	3858201.52	1.10395	0.41961	7.0788	1.33912	1.81E-01	3.25E-01	1.37E+00	9.86E-02	1.98E+00	1.78E-01	1.41E-05	1.51E-02	2.88E-03	1.96E-01	2.16E-01	3.26E-01	1.37E+00	9.86E-02	2.01E+00
2517	497614.44	3858201.52	1.11514	0.42026	7.0643	1.33675	1.82E-01	3.26E-01	1.37E+00	9.84E-02	1.98E+00	1.80E-01	1.41E-05	1.50E-02	2.88E-03	1.98E-01	2.18E-01	3.26E-01	1.37E+00	9.84E-02	2.01E+00
2518	497364.44	3858251.52	1.09146	0.4231	6.899	1.32305	1.79E-01	3.28E-01	1.34E+00	9.74E-02	1.94E+00	1.76E-01	1.42E-05	1.47E-02	2.85E-03	1.93E-01	2.14E-01	3.28E-01	1.34E+00	9.74E-02	1.98E+00
2519	497414.44	3858251.52	1.13711	0.42676	6.9527	1.34564	1.86E-01	3.31E-01	1.35E+00	9.91E-02	1.96E+00	1.83E-01	1.43E-05	1.48E-02	2.90E-03	2.01E-01	2.23E-01	3.31E-01	1.35E+00	9.91E-02	2.00E+00
2520	497464.44	3858251.52	1.12491	0.42491	6.9048	1.34033	1.84E-01	3.30E-01	1.34E+00	9.87E-02	1.95E+00	1.81E-01	1.43E-05	1.47E-02	2.89E-03	1.99E-01	2.20E-01	3.30E-01	1.34E+00	9.87E-02	1.99E+00
2521	497514.44	3858251.52	1.10638	0.42131	6.8509	1.33508	1.81E-01	3.27E-01	1.33E+00	9.83E-02	1.93E+00	1.78E-01	1.42E-05	1.46E-02	2.87E-03	1.96E-01	2.16E-01	3.27E-01	1.33E+00	9.83E-02	1.97E+00
2522	497564.44	3858251.52	1.10736	0.41927	6.8185	1.32949	1.81E-01	3.25E-01	1.32E+00	9.79E-02	1.93E+00	1.78E-01	1.41E-05	1.45E-02	2.86E-03	1.96E-01	2.17E-01	3.25E-01	1.32E+00	9.79E-02	1.96E+00
2523	497614.44	3858251.52	1.10922	0.41632	6.7866	1.32374	1.81E-01	3.23E-01	1.32E+00	9.75E-02	1.92E+00	1.79E-01	1.40E-05	1.44E-02	2.85E-03	1.96E-01	2.17E-01	3.23E-01	1.32E+00	9.75E-02	1.95E+00
2524	497364.44	3858301.52	1.13049	0.42241	6.7767	1.33825	1.85E-01	3.28E-01	1.31E+00	9.85E-02	1.93E+00	1.82E-01	1.42E-05	1.44E-02	2.88E-03	1.99E-01	2.21E-01	3.28E-01	1.31E+00	9.85E-02	1.96E+00
2525	497414.44	3858301.52	1.16444	0.42024	6.7545	1.33925	1.90E-01	3.26E-01	1.31E+00	9.86E-02	1.92E+00	1.88E-01	1.41E-05	1.44E-02	2.88E-03	2.05E-01	2.28E-01	3.26E-01	1.31E+00	9.86E-02	1.96E+00
2526	497464.44	3858301.52	1.14315	0.41595	6.7095	1.33323	1.87E-01	3.23E-01	1.30E+00	9.82E-02	1.91E+00	1.84E-01	1.40E-05	1.43E-02	2.87E-03	2.01E-01	2.24E-01	3.23E-01	1.30E+00	9.82E-02	1.95E+00
2527	497514.44	3858301.52	1.13275	0.41251	6.6737	1.33418	1.85E-01	3.20E-01	1.29E+00	9.82E-02	1.90E+00	1.83E-01	1.39E-05	1.42E-02	2.87E-03	2.00E-01	2.22E-01	3.20E-01	1.29E+00	9.82E-02	1.93E+00
2528	497564.44	3858301.52	1.11156	0.40755	6.6332	1.33201	1.82E-01	3.16E-01	1.29E+00	9.81E-02	1.88E+00	1.79E-01	1.37E-05	1.41E-02	2.87E-03	1.96E-01	2.18E-01	3.16E-01	1.29E+00	9.81E-02	1.92E+00
2529	497614.44	3858301.52	1.11098	0.40379	6.6023	1.33513	1.82E-01	3.13E-01	1.28E+00	9.83E-02	1.87E+00	1.79E-01	1.36E-05	1.40E-02	2.87E-03	1.96E-01	2.17E-01	3.13E-01	1.28E+00	9.83E-02	1.91E+00
2530	497364.44	3858351.52	1.18428	0.41232	6.6586	1.35872	1.94E-01	3.20E-01	1.29E+00	1.00E-01	1.90E+00	1.91E-01	1.39E-05	1.42E-02	2.92E-03	2.08E-01	2.32E-01	3.20E-01	1.29E+00	1.00E-01	1.94E+00
2531	497414.44	3858351.52	1.17413	0.40974	6.6207	1.35723	1.92E-01	3.18E-01	1.28E+00	9.99E-02	1.89E+00	1.89E-01	1.38E-05	1.41E-02	2.92E-03	2.06E-01	2.30E-01	3.18E-01	1.28E+00	9.99E-02	1.93E+00
2532	497464.44	3858351.52	1.1743	0.40749	6.5999	1.35801	1.92E-01	3.16E-01	1.28E+00	1.00E-01	1.89E+00	1.89E-01	1.37E-05	1.40E-02	2.92E-03	2.06E-01	2.30E-01	3.16E-01	1.28E+00	1.00E-01	1.93E+00
2533	497514.44	3858351.52	1.16802	0.40505	6.5609	1.35704	1.91E-01	3.14E-01	1.27E+00	9.99E-02	1.88E+00	1.88E-01	1.36E-05	1.39E-02	2.92E-03	2.05E-01	2.29E-01	3.14E-01	1.27E+00	9.99E-02	1.91E+00
2534	497564.44	3858351.52	1.13774	0.40199	6.4874	1.34793	1.86E-01	3.12E-01	1.26E+00	9.92E-02	1.86E+00	1.83E-01	1.35E-05	1.38E-02	2.90E-03	2.00E-01	2.23E-01	3.12E-01	1.26E+00	9.92E-02	1.89E+00
2535	497614.44	3858351.52	1.13753	0.40145	6.4567	1.34434	1.86E-01	3.11E-01	1.25E+00	9.90E-02	1.85E+00	1.83E-01	1.35E-05	1.37E-02	2.89E-03	2.00E-01	2.23E-01	3.11E-01	1.25E+00	9.90E-02	1.88E+00
2536	497364.44	3858401.52	1.19388	0.4075	6.7836	1.38368	1.95E-01	3.16E-01	1.32E+00	1.02E-01	1.93E+00	1.92E-01	1.37E-05	1.44E-02	2.98E-03	2.10E-01	2.34E-01	3.16E-01	1.32E+00	1.02E-01	1.97E+00
2537	497414.44	3858401.52	1.19707	0.40797	6.7152	1.37139	1.96E-01	3.16E-01	1.30E+00	1.01E-01	1.92E+00	1.93E-01	1.37E-05	1.43E-02	2.95E-03	2.10E-01	2.34E-01	3.16E-01	1.30E+00	1.01E-01	1.95E+00
2538	497464.44	3858401.52	1.18366	0.40768	6.646	1.36135	1.94E-01	3.16E-01	1.29E+00	1.00E-01	1.90E+00	1.91E-01	1.37E-05	1.41E-02	2.93E-03	2.08E-01	2.32E-01	3.16E-01	1.29E+00	1.00E-01	1.94E+00
2539	497514.44	3858401.52	1.18103	0.41801	6.5935	1.35511	1.93E-01	3.24E-01	1.28E+00	9.98E-02	1.90E+00	1.90E-01	1.40E-05	1.40E-02	2.92E-03	2.07E-01	2.31E-01	3.24E-01	1.28E+00	9.98E-02	1.93E+00
2540	497564.44	3858401.52	1.22381	0.40882	6.6052	1.36015	2.00E-01	3.17E-01	1.28E+00	1.00E-01	1.90E+00	1.97E-01	1.37E-05	1.40E-02	2.93E-03	2.14E-01	2.39E-01	3.17E-01	1.28E+00	1.00E-01	1.94E+00
2541	497614.44	3858401.52	1.27442	0.40979	6.6455	1.3726	2.08E-01	3.18E-01	1.29E+00	1.01E-01	1.92E+00	2.05E-01	1.38E-05	1.41E-02	2.95E-03	2.22E-01	2.49E-01	3.18E-01	1.29E+00	1.01E-01	1.96E+00
2542	493478.11	3860497.94	7.04899	4.43812	2.6293	2.36204	1.15E+00	3.44E+00	5.10E-01	1.74E-01	5.28E+00	1.14E+00	1.49E-04	5.59E-03	5.08E-03	1.15E+00	1.38E+00	3.44E+00	5.10E-01	1.74E-01	5.51E+00
2543	493528.11	3860497.94	7.06852	4.40045	2.5888	2.36277	1.16E+00	3.41E+00	5.02E-01	1.74E-01	5.25E+00	1.14E+00	1.48E-04	5.50E-03	5.09E-03	1.15E+00	1.38E+00	3.41E+00	5.02E-01	1.74E-01	5.47E+00
2544	493478.11	3860547.94	6.90577	4.45341	2.6317	2.34694	1.13E+00	3.45E+00	5.10E-01	1.73E-01	5.27E+00	1.11E+00	1.50E-04	5.60E-03	5.05E-03	1.12E+00	1.35E+00	3.45E+00	5.10E-01	1.73E-01	5.49E+00
2545	493528.11	3860547.94	6.91322	4.38246	2.6129	2.35065	1.13E+00	3.40E+00	5.07E-01	1.73E-01	5.21E+00	1.11E+00	1.47E-04	5.56E-03	5.06E-03	1.12E+00	1.35E+00	3.40E+00	5.07E-01	1.73E-01	5.43E+00
2546	493478.11	3860597.94	6.62677	4.4853	2.4818	2.32201	1.08E+00	3.48E+00	4.81E-01	1.71E-01	5.22E+00	1.07E+00	1.51E-04	5.28E-03	5.00E-03	1.08E+00	1.30E+00	3.48E+00	4.81E-01	1.71E-01	5.43E+00
2547	493528.11	3860597.94	6.71482	4.44135	2.5017	2.32781	1.10E+00	3.45E+00	4.85E-01	1.71E-01	5.20E+00	1.08E+00	1.49E-04	5.32E-03	5.01E-03	1.09E+00	1.31E+00	3.45E+00	4.85E-01	1.71E-01	5.42E+00
2548	493561.88	3860524.64	7.00557	4.38457	2.5636	2.35696	1.15E+00	3.40E+00	4.97E-01	1.74E-01	5.22E+00	1.13E+00	1.47E-04	5.45E-03	5.07E-03	1.14E+00	1.37E+00	3.40E+00	4.97E-01	1.74E-01	5.44E+00
2549	493591.88	3860524.64	6.95141	4.3644	2.5432	2.35176	1.14E+00	3.39E+00	4.93E-01	1.73E-01	5.19E+00	1.12E+00	1.47E-04	5.41E-03	5.06E-03	1.13E+00	1.36E+00	3.39E+00	4.93E-01	1.73E-01	5.41E+00
2550	493561.88	3860554.64	6.89168	4.35971	2.5873	2.34529	1.13E+00	3.38E+00	5.02E-01	1.73E-01	5.18E+00	1.11E+00	1.46E-04	5.50E-03	5.05E-03	1.12E+00	1.35E+00	3.38E+00	5.02E-01	1.73E-01	5.40E+00
2551	493591.88	3860554.64	6.89406	4.37662	2.5451	2.34035	1.13E+00	3.39E+00	4.94E-01	1.72E-01	5.19E+00	1.11E+00	1.47E-04	5.41E-03	5.04E-03	1.12E+00	1.35E+00	3.40E+00	4.94E-01	1.72E-01	5.41E+00
2552	492880.5	3860293.11	7.31981	4.86478	3.0083	2.53833	1.20E+00	3.77E+00	5.83E-01	1.87E-01	5.74E+00	1.18E+00	1.63E-04	6.40E-03	5.46E-03	1.19E+00	1.43E+00	3.77E+00	5.83E-01	1.87E-01	5.98E+00
2553	492930.5	3860293.11	7.47235	4.84038	3.1187	2.52052	1.22E+00	3.75E+00	6.05E-01	1.86E-01	5.77E+00	1.20E+00	1.63E-04	6.63E-03	5.43E-03	1.22E+00	1.46E+00	3.75E+00	6.05E-01	1.86E-01	6.01E+00
2554	492980.5	3860293.11	7.53774	4.78029	3.0721	2.50507	1.23E+00	3.71E+00	5.96E-01	1.84E-01	5.72E+00	1.21E+00	1.61E-04	6.53E-03	5.39E-03	1.23E+00	1.47E+00	3.71E+00	5.96E-01	1.84E-01	5.96E+00
2555	493030.5	3860293.11	7.70844	4.68049	3.0274	2.46906	1.26E+00	3.63E+00	5.87E-01	1.82E-01	5.66E+00	1.24E+00	1.57E-04	6.44E-03	5.32E-03	1.25E+00	1.51E+00	3.63E+00	5.87E-01	1.82E-01	5.91E+00
2556	493080.5	3860293.11	7.73145	4.52266	3.0309	2.43569	1.26E+00	3.51E+00	5.88E-01	1.79E-01	5.54E+00	1.25E+00	1.52E-04	6.44E-03	5.24E-03	1.26E+00	1.51E+00	3.51E+00	5.88E-01	1.79E-01	5.79E+00
2557	493130.5	3860293.11	7.72351	4.59706	2.9785	2.44957	1.26E+00	3.57E+00	5.78E-01	1.80E-01	5.59E+00	1.24E+00	1.54E-04	6.33E-03	5.27E-03	1.26E+00	1.51E+00	3.57E+00	5.78E-01	1.80E-01	5.84E+00
2558	493180.5	3860293.11	7.55969	4.60128	3.0463	2.45185	1.24E+00	3.57E+00	5.91E-01	1.81E-01	5.58E+00	1.22E+00	1.55E-04	6.48E-03	5.28E-03	1.23E+00	1.48E+00	3.57E+00	5.91E-01	1.81E-01	5.82E+00

2559	493230.5	3860293.11	7.45166	4.56088	3.136	2.44592	1.22E+00	3.54E+00	6.08E-01	1.80E-01	5.54E+00	1.20E+00	1.53E-04	6.67E-03	5.27E-03	1.21E+00	1.46E+00	3.54E+00	6.08E-01	1.80E-01	5.78E+00
2560	493280.5	3860293.11	7.50346	4.47486	3.1756	2.42245	1.23E+00	3.47E+00	6.16E-01	1.78E-01	5.49E+00	1.21E+00	1.50E-04	6.75E-03	5.21E-03	1.22E+00	1.47E+00	3.47E+00	6.16E-01	1.78E-01	5.73E+00
2561	493330.5	3860293.11	7.64812	4.40835	3.1907	2.40455	1.25E+00	3.42E+00	6.19E-01	1.77E-01	5.47E+00	1.23E+00	1.48E-04	6.78E-03	5.18E-03	1.24E+00	1.50E+00	3.42E+00	6.19E-01	1.77E-01	5.71E+00
2562	493380.5	3860293.11	7.70918	4.33837	3.2277	2.38896	1.26E+00	3.37E+00	6.26E-01	1.76E-01	5.43E+00	1.24E+00	1.46E-04	6.86E-03	5.14E-03	1.25E+00	1.51E+00	3.37E+00	6.26E-01	1.76E-01	5.68E+00
2563	492880.5	3860343.11	7.23412	4.85796	2.8422	2.54879	1.18E+00	3.77E+00	5.51E-01	1.88E-01	5.69E+00	1.17E+00	1.63E-04	6.04E-03	5.49E-03	1.18E+00	1.42E+00	3.77E+00	5.51E-01	1.88E-01	5.92E+00
2564	492930.5	3860343.11	7.1161	4.81913	2.8848	2.53363	1.16E+00	3.74E+00	5.59E-01	1.87E-01	5.65E+00	1.15E+00	1.62E-04	6.13E-03	5.45E-03	1.16E+00	1.39E+00	3.74E+00	5.59E-01	1.87E-01	5.88E+00
2565	492980.5	3860343.11	7.33511	4.78363	2.9516	2.48432	1.20E+00	3.71E+00	5.72E-01	1.83E-01	5.67E+00	1.18E+00	1.61E-04	6.28E-03	5.35E-03	1.19E+00	1.44E+00	3.71E+00	5.72E-01	1.83E-01	5.90E+00
2566	493030.5	3860343.11	7.38339	4.74519	3.0395	2.48108	1.21E+00	3.68E+00	5.89E-01	1.83E-01	5.66E+00	1.19E+00	1.59E-04	6.46E-03	5.34E-03	1.20E+00	1.44E+00	3.68E+00	5.89E-01	1.83E-01	5.90E+00
2567	493080.5	3860343.11	7.55384	4.63781	3.0092	2.44215	1.24E+00	3.60E+00	5.83E-01	1.80E-01	5.60E+00	1.22E+00	1.56E-04	6.40E-03	5.26E-03	1.23E+00	1.48E+00	3.60E+00	5.83E-01	1.80E-01	5.84E+00
2568	493130.5	3860343.11	7.55856	4.6364	2.9452	2.44344	1.24E+00	3.60E+00	5.71E-01	1.80E-01	5.58E+00	1.22E+00	1.56E-04	6.26E-03	5.26E-03	1.23E+00	1.48E+00	3.60E+00	5.71E-01	1.80E-01	5.83E+00
2569	493180.5	3860343.11	7.49379	4.6213	2.8738	2.46483	1.23E+00	3.58E+00	5.57E-01	1.81E-01	5.55E+00	1.21E+00	1.55E-04	6.11E-03	5.31E-03	1.22E+00	1.47E+00	3.58E+00	5.57E-01	1.81E-01	5.79E+00
2570	493230.5	3860343.11	7.5281	4.57269	2.8428	2.46622	1.23E+00	3.55E+00	5.51E-01	1.82E-01	5.51E+00	1.21E+00	1.54E-04	6.04E-03	5.31E-03	1.22E+00	1.47E+00	3.55E+00	5.51E-01	1.82E-01	5.75E+00
2571	493280.5	3860343.11	7.41118	4.51539	2.9221	2.45115	1.21E+00	3.50E+00	5.67E-01	1.80E-01	5.46E+00	1.19E+00	1.52E-04	6.21E-03	5.28E-03	1.21E+00	1.45E+00	3.50E+00	5.67E-01	1.80E-01	5.70E+00
2572	493330.5	3860343.11	7.34331	4.47268	3.0121	2.44196	1.20E+00	3.47E+00	5.84E-01	1.80E-01	5.43E+00	1.18E+00	1.50E-04	6.40E-03	5.26E-03	1.20E+00	1.44E+00	3.47E+00	5.84E-01	1.80E-01	5.67E+00
2573	493380.5	3860343.11	7.41352	4.42772	3.0629	2.44028	1.21E+00	3.43E+00	5.94E-01	1.80E-01	5.42E+00	1.19E+00	1.49E-04	6.51E-03	5.25E-03	1.21E+00	1.45E+00	3.43E+00	5.94E-01	1.80E-01	5.66E+00
2574	492880.5	3860393.11	6.90144	4.87463	2.5667	2.55819	1.13E+00	3.78E+00	4.98E-01	1.88E-01	5.60E+00	1.11E+00	1.64E-04	5.46E-03	5.51E-03	1.12E+00	1.35E+00	3.78E+00	4.98E-01	1.88E-01	5.82E+00
2575	492930.5	3860393.11	7.10862	4.85005	2.695	2.53837	1.16E+00	3.76E+00	5.23E-01	1.87E-01	5.63E+00	1.15E+00	1.63E-04	5.73E-03	5.46E-03	1.16E+00	1.39E+00	3.76E+00	5.23E-01	1.87E-01	5.86E+00
2576	492980.5	3860393.11	7.10437	4.8176	2.7504	2.50128	1.16E+00	3.74E+00	5.33E-01	1.84E-01	5.62E+00	1.14E+00	1.62E-04	5.85E-03	5.38E-03	1.16E+00	1.39E+00	3.74E+00	5.33E-01	1.84E-01	5.84E+00
2577	493030.5	3860393.11	7.03504	4.76565	2.8217	2.47912	1.15E+00	3.70E+00	5.47E-01	1.83E-01	5.58E+00	1.13E+00	1.60E-04	6.00E-03	5.34E-03	1.15E+00	1.38E+00	3.70E+00	5.47E-01	1.83E-01	5.80E+00
2578	493080.5	3860393.11	7.29473	4.67423	2.86	2.4404	1.19E+00	3.63E+00	5.55E-01	1.80E-01	5.55E+00	1.18E+00	1.57E-04	6.08E-03	5.25E-03	1.19E+00	1.43E+00	3.63E+00	5.55E-01	1.80E-01	5.79E+00
2579	493130.5	3860393.11	7.25232	4.65895	2.933	2.44775	1.19E+00	3.61E+00	5.69E-01	1.80E-01	5.55E+00	1.17E+00	1.57E-04	6.24E-03	5.27E-03	1.18E+00	1.42E+00	3.61E+00	5.69E-01	1.80E-01	5.78E+00
2580	493180.5	3860393.11	7.32827	4.64238	2.8948	2.46096	1.20E+00	3.60E+00	5.61E-01	1.81E-01	5.54E+00	1.18E+00	1.56E-04	6.15E-03	5.30E-03	1.19E+00	1.43E+00	3.60E+00	5.61E-01	1.81E-01	5.78E+00
2581	493230.5	3860393.11	7.3453	4.59832	2.8441	2.45288	1.20E+00	3.57E+00	5.51E-01	1.81E-01	5.50E+00	1.18E+00	1.54E-04	6.05E-03	5.28E-03	1.20E+00	1.44E+00	3.57E+00	5.51E-01	1.81E-01	5.74E+00
2582	493280.5	3860393.11	7.37707	4.55465	2.7931	2.42525	1.21E+00	3.53E+00	5.42E-01	1.79E-01	5.46E+00	1.19E+00	1.53E-04	5.94E-03	5.22E-03	1.20E+00	1.44E+00	3.53E+00	5.42E-01	1.79E-01	5.70E+00
2583	493330.5	3860393.11	7.42903	4.51555	2.7729	2.40391	1.22E+00	3.50E+00	5.38E-01	1.77E-01	5.43E+00	1.20E+00	1.52E-04	5.90E-03	5.18E-03	1.21E+00	1.45E+00	3.50E+00	5.38E-01	1.77E-01	5.67E+00
2584	493380.5	3860393.11	7.27811	4.45171	2.8084	2.39706	1.19E+00	3.45E+00	5.45E-01	1.76E-01	5.36E+00	1.17E+00	1.50E-04	5.97E-03	5.16E-03	1.18E+00	1.42E+00	3.45E+00	5.45E-01	1.76E-01	5.60E+00
2585	492880.5	3860443.11	6.90067	4.99442	2.5065	2.51778	1.13E+00	3.87E+00	4.86E-01	1.85E-01	5.67E+00	1.11E+00	1.68E-04	5.33E-03	5.42E-03	1.12E+00	1.35E+00	3.87E+00	4.86E-01	1.85E-01	5.90E+00
2586	492930.5	3860443.11	6.86594	4.91999	2.4838	2.50147	1.12E+00	3.82E+00	4.82E-01	1.84E-01	5.61E+00	1.11E+00	1.65E-04	5.28E-03	5.39E-03	1.12E+00	1.34E+00	3.82E+00	4.82E-01	1.84E-01	5.83E+00
2587	492980.5	3860443.11	6.82702	4.83947	2.501	2.47693	1.12E+00	3.75E+00	4.85E-01	1.82E-01	5.54E+00	1.10E+00	1.63E-04	5.32E-03	5.33E-03	1.11E+00	1.34E+00	3.75E+00	4.85E-01	1.82E-01	5.76E+00
2588	493030.5	3860443.11	7.01997	4.77478	2.6468	2.45897	1.15E+00	3.70E+00	5.13E-01	1.81E-01	5.55E+00	1.13E+00	1.60E-04	5.63E-03	5.29E-03	1.14E+00	1.37E+00	3.70E+00	5.13E-01	1.81E-01	5.77E+00
2589	493080.5	3860443.11	6.9396	4.74676	2.6546	2.45032	1.14E+00	3.68E+00	5.15E-01	1.80E-01	5.51E+00	1.12E+00	1.59E-04	5.64E-03	5.27E-03	1.13E+00	1.36E+00	3.68E+00	5.15E-01	1.80E-01	5.74E+00
2590	493130.5	3860443.11	6.8889	4.71233	2.7203	2.44015	1.13E+00	3.66E+00	5.27E-01	1.80E-01	5.49E+00	1.11E+00	1.58E-04	5.78E-03	5.25E-03	1.12E+00	1.35E+00	3.66E+00	5.27E-01	1.80E-01	5.71E+00
2591	493180.5	3860443.11	7.04574	4.64976	2.7494	2.44627	1.15E+00	3.61E+00	5.33E-01	1.80E-01	5.47E+00	1.14E+00	1.56E-04	5.85E-03	5.27E-03	1.15E+00	1.38E+00	3.61E+00	5.33E-01	1.80E-01	5.70E+00
2592	493230.5	3860443.11	7.08955	4.61527	2.8132	2.42724	1.16E+00	3.58E+00	5.46E-01	1.79E-01	5.46E+00	1.14E+00	1.55E-04	5.98E-03	5.23E-03	1.15E+00	1.39E+00	3.58E+00	5.46E-01	1.79E-01	5.69E+00
2593	493280.5	3860443.11	7.23292	4.57005	2.8152	2.41178	1.18E+00	3.54E+00	5.46E-01	1.78E-01	5.45E+00	1.17E+00	1.54E-04	5.99E-03	5.19E-03	1.18E+00	1.42E+00	3.55E+00	5.46E-01	1.78E-01	5.68E+00
2594	493330.5	3860443.11	7.26216	4.52292	2.7802	2.38565	1.19E+00	3.51E+00	5.39E-01	1.76E-01	5.41E+00	1.17E+00	1.52E-04	5.91E-03	5.14E-03	1.18E+00	1.42E+00	3.51E+00	5.39E-01	1.76E-01	5.64E+00
2595	493380.5	3860443.11	7.25082	4.488	2.7137	2.38214	1.19E+00	3.48E+00	5.26E-01	1.75E-01	5.37E+00	1.17E+00	1.51E-04	5.77E-03	5.13E-03	1.18E+00	1.42E+00	3.48E+00	5.26E-01	1.75E-01	5.60E+00
2596	493180.5	3860493.11	6.7645	4.68744	2.5596	2.40951	1.11E+00	3.64E+00	4.96E-01	1.77E-01	5.42E+00	1.09E+00	1.57E-04	5.44E-03	5.19E-03	1.10E+00	1.32E+00	3.64E+00	4.96E-01	1.77E-01	5.63E+00
2597	493230.5	3860493.11	6.80198	4.62481	2.6267	2.39078	1.11E+00	3.59E+00	5.09E-01	1.76E-01	5.39E+00	1.10E+00	1.55E-04	5.58E-03	5.15E-03	1.11E+00	1.33E+00	3.59E+00	5.09E-01	1.76E-01	5.60E+00
2598	493280.5	3860493.11	6.95511	4.60146	2.6819	2.36975	1.14E+00	3.57E+00	5.20E-01	1.74E-01	5.40E+00	1.12E+00	1.55E-04	5.70E-03	5.10E-03	1.13E+00	1.36E+00	3.57E+00	5.20E-01	1.74E-01	5.63E+00
2599	493330.5	3860493.11	7.03008	4.56494	2.7143	2.3531	1.15E+00	3.54E+00	5.26E-01	1.73E-01	5.39E+00	1.13E+00	1.53E-04	5.77E-03	5.07E-03	1.14E+00	1.38E+00	3.54E+00	5.26E-01	1.73E-01	5.62E+00
2600	493380.5	3860493.11	7.10164	4.51716	2.7355	2.35091	1.16E+00	3.50E+00	5.30E-01	1.73E-01	5.37E+00	1.14E+00	1.52E-04	5.82E-03	5.06E-03	1.16E+00	1.39E+00	3.50E+00	5.30E-01	1.73E-01	5.60E+00
2601	493330.5	3860543.11	6.76839	4.59243	2.5556	2.3326	1.11E+00	3.56E+00	4.96E-01	1.72E-01	5.34E+00	1.09E+00	1.54E-04	5.43E-03	5.02E-03	1.10E+00	1.32E+00	3.56E+00	4.96E-01	1.72E-01	5.55E+00
2602	493380.5	3860543.11	6.80595	4.53398	2.5898	2.33777	1.11E+00	3.52E+00	5.02E-01	1.72E-01	5.30E+00	1.10E+00	1.52E-04	5.51E-03	5.03E-03	1.11E+00	1.33E+00	3.52E+00	5.02E-01	1.72E-01	5.52E+00
2603	494135.94	3860876.85	6.13285	4.20514	2.1076	2.13416	1.00E+00	3.26E+00	4.09E-01	1.57E-01	4.83E+00	9.88E-01	1.41E-04	4.48E-03	4.59E-03	9.97E-01	1.20E+00	3.26E+00	4.09E-01	1.57E-01	5.03E+00
2604	494185.94	3860876.85	6.12162	4.15406	2.1167	2.13528	1.00E+00	3.22E+00	4.10E-01	1.57E-01	4.79E+00	9.86E-01	1.40E-04	4.50E-03	4.60E-03	9.96E-01	1.20E+00	3.22E+00	4.10E-01	1.57E-01	4.99E+00
2605	494135.94	3860926.85	5.94349	4.27001	2.0076	2.06844	9.72E-01	3.31E+00	3.89E-01	1.52E-01	4.83E+00	9.58E-01	1.43E-04	4.27E-03	4.45E-03	9.67E-01	1.16E+00	3.31E+00	3.89E-01	1.52E-01	5.02E+00
2606	494185.94	3860926.85	5.99675	4.22302	2.0305	2.07335	9.81E-01	3.28E+00	3.94E-01	1.53E-01	4.80E+00	9.66E-01	1.42E-04	4.32E-03	4.46E-03	9.75E-01	1.17E+00	3.28E+00	3.94E-01	1.53E-01	5.00E+00
2607	494135.94	3860976.85	5.67725	4.29588	1.8818	2.01258	9.29E-01	3.33E+00	3.65E-01	1.48E-01	4.77E+00	9.15E-01	1.44E-04	4.00E-03	4.33E-03	9.23E-01	1.11E+00	3.33E+00	3.65E-01	1.48E-01	4.96E+00
2608	494185.94	3860976.85	5.74583	4.26678	1.9259	2.02054	9.40E-01	3.31E+00	3.73E-01	1.49E-01	4.77E+00	9.26E-01	1.43E-04	4.09E-03	4.35E-03	9.34E-01	1.12E+00	3.31E+00	3.73E-01	1.49E-01	4.96E+00
2609	494135.94	3861026.85	5.57133	4.34278	1.7983	1.93787	9.11E-01	3.37E+00	3.49E-01	1.43E-01	4.77E+00	8.98E-01	1.46E-04	3.82E-03	4.17E-03	9.06E-01	1.09E+00	3.37E+00	3.49E-01	1.43E-01	4.95E+00
2610	494185.94	3861026.85	5.55451	4.30579	1.7596	1.94667	9.08E-01	3.34E+00	3.41E-01	1.43E-01	4.73E+00	8.95E-01	1.45E-04	3.74E-03	4.19E-03	9.03E-01	1.09E+00	3.34E+00	3.41E-01	1.43E-01	4.91E+00
2611	494135.94	3861076.85	5.50452	4.34386	1.6937	1.88861	9.00E-01	3.37E+00	3.28E-01	1.39E-01	4.74E+00	8.87E-01	1.46E-04	3.60E-03	4.07E-03	8.95E-01	1.08E+00	3.37E+00	3.28E-01	1.39E-01	4.91E+00
2612	494185.94	3861076.85	5.50797	4.32565	1.7203	1.89107	9.01E-01	3.36E+00	3.34E-01	1.39E-01	4.73E+00	8.88E-01	1.45E-04	3.66E-03	4.07E-03	8.95E-01	1.08E+00	3.36E+00	3.34E-01	1.39E-01	4.91E+00
2613	490360.04	3858710.04	14.4822	5.89398	13.471	2.26828	2.37E+00	4.57E+00	2.61E+00	1.67E-01	9.72E+00	2.33E+00	1.98E-04	2.86E-02	4.88E-03	2.37E+00	2.83E+00	4.57E+00	2.61E+00	1.67E-01	1.02E+01
2614	490410.04	3858710.04	14.5504	5.65257	13.406	2.28204	2.38E+00	4.38E+00	2.60E+00	1.68E-01	9.53E+00	2.34E+00	1.90E-04	2.85E-02	4.91E-03	2.38E+00	2.85E+00	4.38E+00	2.60E+00	1.68E-01	1.00E+01
2615	490460.04	3858710.04	14.3976	5.33611	13.629	2.33441	2.35E+00	4.14E+00	2.64E+00	1.72E-01	9.31E+00	2.32E+00	1.79E-04	2.90E-02	5.03E-03	2.35E+00	2.82E+00	4.14E+00	2.64E+00	1.72E-01	9.77E+00
2616	490510.04	3858710.04	14.2479	5.1008	13.41	2.36597	2.33E+00	3.96E+00	2.60E+00	1.74E-01	9.06E+00	2.30E+00	1.71E-04	2.85E-02	5.09E-03	2.33E+00	2.79E+00	3.96E+00	2.60E+00	1.74E-01	9.52E+00
2617	490560.04	3858710.04	14.2297	4.93832	13.513	2.35818	2.33E+00	3.83E+00	2.62E+00	1.74E-01	8.95E+00	2.29E+00	1.66E-04	2.87E-02	5.08E-03	2.33E+00	2.78E+00	3.83E+00	2.62E+00	1.74E-01	9.41E+00
2618	490610.04	3858710.04	14.1095	4.74975	13.665	2.36156	2.31E+00	3.68E+00	2.65E+00	1.74E-01	8.82E+00	2.27E+00	1.60E-04	2.91E-02	5.08E-03	2.31E+00	2.76E+00	3.68E+00	2.65E+00	1.74E-01	9.27E+00
2619	490660.04	3858710.04	13.9496	4.69658	13.558	2.35189	2.28E+00	3.64E+00	2.63E+00	1.73E-01	8.73E+00	2.25E+00	1.58E-04	2.88E-02	5.06E-03	2.28E+00	2.73E+00	3.64E+00	2.63E+00	1.73E-01	9.18E+00

2620	490710.04	3858710.04	13.6297	4.46338	14.246	2.38202	2.23E+00	3.46E+00	2.76E+00	1.75E-01	8.63E+00	2.20E+00	1.50E-04	3.03E-02	5.13E-03	2.23E+00	2.67E+00	3.46E+00	2.76E+00	1.75E-01	9.07E+00
2621	490760.04	3858710.04	13.2004	4.26207	14.499	2.42722	2.16E+00	3.31E+00	2.81E+00	1.79E-01	8.46E+00	2.13E+00	1.43E-04	3.08E-02	5.23E-03	2.16E+00	2.58E+00	3.31E+00	2.81E+00	1.79E-01	8.88E+00
2622	490810.04	3858710.04	12.7332	4.13588	14.709	2.46342	2.08E+00	3.21E+00	2.85E+00	1.81E-01	8.32E+00	2.05E+00	1.39E-04	3.13E-02	5.30E-03	2.09E+00	2.49E+00	3.21E+00	2.85E+00	1.81E-01	8.73E+00
2623	490860.04	3858710.04	12.2909	3.94488	15.48	2.53793	2.01E+00	3.06E+00	3.00E+00	1.87E-01	8.26E+00	1.98E+00	1.33E-04	3.29E-02	5.46E-03	2.02E+00	2.41E+00	3.06E+00	3.00E+00	1.87E-01	8.65E+00
2624	490360.04	3858760.04	14.0822	6.00486	13.824	2.33269	2.30E+00	4.66E+00	2.68E+00	1.72E-01	9.81E+00	2.27E+00	2.02E-04	2.94E-02	5.02E-03	2.30E+00	2.76E+00	4.66E+00	2.68E+00	1.72E-01	1.03E+01
2625	490410.04	3858760.04	14.1672	5.74559	13.577	2.35931	2.32E+00	4.46E+00	2.63E+00	1.74E-01	9.58E+00	2.28E+00	1.93E-04	2.89E-02	5.08E-03	2.32E+00	2.77E+00	4.46E+00	2.63E+00	1.74E-01	1.00E+01
2626	490460.04	3858760.04	14.292	5.4188	13.137	2.41591	2.34E+00	4.20E+00	2.55E+00	1.78E-01	9.27E+00	2.30E+00	1.82E-04	2.79E-02	5.20E-03	2.34E+00	2.80E+00	4.20E+00	2.55E+00	1.78E-01	9.73E+00
2627	490510.04	3858760.04	14.3847	5.11416	12.578	2.48056	2.35E+00	3.97E+00	2.44E+00	1.83E-01	8.94E+00	2.32E+00	1.72E-04	2.67E-02	5.34E-03	2.35E+00	2.81E+00	3.97E+00	2.44E+00	1.83E-01	9.40E+00
2628	490560.04	3858760.04	14.1028	4.92476	12.671	2.49948	2.31E+00	3.82E+00	2.46E+00	1.84E-01	8.77E+00	2.27E+00	1.65E-04	2.69E-02	5.38E-03	2.30E+00	2.76E+00	3.82E+00	2.46E+00	1.84E-01	9.22E+00
2629	490610.04	3858760.04	14.0905	4.7151	12.87	2.45731	2.30E+00	3.66E+00	2.50E+00	1.81E-01	8.64E+00	2.27E+00	1.58E-04	2.74E-02	5.29E-03	2.30E+00	2.76E+00	3.66E+00	2.50E+00	1.81E-01	9.09E+00
2630	490660.04	3858760.04	14.0031	4.54639	12.785	2.44221	2.29E+00	3.53E+00	2.48E+00	1.80E-01	8.48E+00	2.26E+00	1.53E-04	2.72E-02	5.26E-03	2.29E+00	2.74E+00	3.53E+00	2.48E+00	1.80E-01	8.93E+00
2631	490710.04	3858760.04	13.8565	4.37259	12.87	2.50994	2.27E+00	3.39E+00	2.50E+00	1.85E-01	8.34E+00	2.23E+00	1.47E-04	2.74E-02	5.40E-03	2.27E+00	2.71E+00	3.39E+00	2.50E+00	1.85E-01	8.78E+00
2632	490760.04	3858760.04	13.7403	4.14697	13.285	2.57099	2.25E+00	3.22E+00	2.58E+00	1.89E-01	8.23E+00	2.21E+00	1.39E-04	2.82E-02	5.53E-03	2.25E+00	2.69E+00	3.22E+00	2.58E+00	1.89E-01	8.67E+00
2633	490810.04	3858760.04	13.3935	3.96939	14.084	2.62443	2.19E+00	3.08E+00	2.73E+00	1.93E-01	8.19E+00	2.16E+00	1.33E-04	2.99E-02	5.65E-03	2.19E+00	2.62E+00	3.08E+00	2.73E+00	1.93E-01	8.62E+00
2634	490860.04	3858760.04	12.9557	3.82236	14.466	2.66673	2.12E+00	2.97E+00	2.80E+00	1.96E-01	8.09E+00	2.09E+00	1.28E-04	3.08E-02	5.74E-03	2.12E+00	2.54E+00	2.97E+00	2.80E+00	1.96E-01	8.50E+00
2635	490360.04	3858810.04	14.0176	6.05138	13.444	2.4139	2.29E+00	4.69E+00	2.61E+00	1.78E-01	9.77E+00	2.26E+00	2.03E-04	2.86E-02	5.20E-03	2.29E+00	2.74E+00	4.69E+00	2.61E+00	1.78E-01	1.02E+01
2636	490410.04	3858810.04	14.1265	5.77168	13.065	2.45372	2.31E+00	4.48E+00	2.53E+00	1.81E-01	9.50E+00	2.28E+00	1.94E-04	2.78E-02	5.28E-03	2.31E+00	2.76E+00	4.48E+00	2.53E+00	1.81E-01	9.96E+00
2637	490460.04	3858810.04	13.8283	5.45681	12.869	2.54921	2.26E+00	4.23E+00	2.50E+00	1.88E-01	9.18E+00	2.23E+00	1.83E-04	2.74E-02	5.49E-03	2.26E+00	2.71E+00	4.23E+00	2.50E+00	1.88E-01	9.62E+00
2638	490510.04	3858810.04	13.9997	5.24415	12.78	2.56314	2.29E+00	4.07E+00	2.48E+00	1.89E-01	9.02E+00	2.26E+00	1.76E-04	2.72E-02	5.52E-03	2.29E+00	2.74E+00	4.07E+00	2.48E+00	1.89E-01	9.47E+00
2639	490560.04	3858810.04	14.0591	5.00081	12.636	2.53253	2.30E+00	3.88E+00	2.45E+00	1.86E-01	8.82E+00	2.27E+00	1.68E-04	2.69E-02	5.45E-03	2.30E+00	2.75E+00	3.88E+00	2.45E+00	1.86E-01	9.27E+00
2640	490610.04	3858810.04	14.1121	4.67238	12.469	2.55194	2.31E+00	3.62E+00	2.42E+00	1.88E-01	8.54E+00	2.27E+00	1.57E-04	2.65E-02	5.49E-03	2.31E+00	2.76E+00	3.62E+00	2.42E+00	1.88E-01	8.99E+00
2641	490660.04	3858810.04	13.8536	4.45319	12.407	2.57713	2.27E+00	3.45E+00	2.41E+00	1.90E-01	8.32E+00	2.23E+00	1.50E-04	2.64E-02	5.55E-03	2.26E+00	2.71E+00	3.45E+00	2.41E+00	1.90E-01	8.76E+00
2642	490710.04	3858810.04	13.9047	4.2739	12.217	2.63274	2.27E+00	3.32E+00	2.37E+00	1.94E-01	8.15E+00	2.24E+00	1.44E-04	2.60E-02	5.67E-03	2.27E+00	2.72E+00	3.32E+00	2.37E+00	1.94E-01	8.60E+00
2643	490760.04	3858810.04	13.7467	4.02261	12.47	2.69625	2.25E+00	3.12E+00	2.42E+00	1.99E-01	7.99E+00	2.22E+00	1.35E-04	2.65E-02	5.80E-03	2.25E+00	2.69E+00	3.12E+00	2.42E+00	1.99E-01	8.43E+00
2644	490810.04	3858810.04	13.5795	3.9306	12.526	2.75054	2.22E+00	3.05E+00	2.43E+00	2.03E-01	7.90E+00	2.19E+00	1.32E-04	2.66E-02	5.92E-03	2.22E+00	2.66E+00	3.05E+00	2.43E+00	2.03E-01	8.34E+00
2645	490860.04	3858810.04	13.498	3.74312	12.764	2.81781	2.21E+00	2.90E+00	2.47E+00	2.07E-01	7.79E+00	2.17E+00	1.26E-04	2.71E-02	6.07E-03	2.21E+00	2.64E+00	2.90E+00	2.47E+00	2.07E-01	8.23E+00
2646	490360.04	3858860.04	13.4319	5.91008	12.316	2.5568	2.20E+00	4.58E+00	2.39E+00	1.88E-01	9.36E+00	2.16E+00	1.99E-04	2.62E-02	5.50E-03	2.20E+00	2.63E+00	4.58E+00	2.39E+00	1.88E-01	9.79E+00
2647	490410.04	3858860.04	13.8381	5.74056	13.027	2.60575	2.26E+00	4.45E+00	2.53E+00	1.92E-01	9.43E+00	2.23E+00	1.93E-04	2.77E-02	5.61E-03	2.26E+00	2.71E+00	4.45E+00	2.53E+00	1.92E-01	9.88E+00
2648	490460.04	3858860.04	13.7106	5.37793	13.12	2.59794	2.24E+00	4.17E+00	2.54E+00	1.91E-01	9.15E+00	2.21E+00	1.81E-04	2.79E-02	5.59E-03	2.24E+00	2.68E+00	4.17E+00	2.54E+00	1.91E-01	9.59E+00
2649	490510.04	3858860.04	13.8225	5.27368	12.66	2.59081	2.26E+00	4.09E+00	2.45E+00	1.91E-01	9.00E+00	2.23E+00	1.77E-04	2.69E-02	5.58E-03	2.26E+00	2.70E+00	4.09E+00	2.45E+00	1.91E-01	9.44E+00
2650	490560.04	3858860.04	13.6375	4.9924	12.323	2.60898	2.23E+00	3.87E+00	2.39E+00	1.92E-01	8.68E+00	2.20E+00	1.68E-04	2.62E-02	5.62E-03	2.23E+00	2.67E+00	3.87E+00	2.39E+00	1.92E-01	9.12E+00
2651	490610.04	3858860.04	13.8129	4.62268	12.051	2.67701	2.26E+00	3.59E+00	2.34E+00	1.97E-01	8.38E+00	2.23E+00	1.55E-04	2.56E-02	5.76E-03	2.26E+00	2.70E+00	3.59E+00	2.34E+00	1.97E-01	8.82E+00
2652	490660.04	3858860.04	13.8122	4.42319	12.36	2.73501	2.26E+00	3.43E+00	2.40E+00	2.01E-01	8.29E+00	2.23E+00	1.49E-04	2.63E-02	5.89E-03	2.26E+00	2.70E+00	3.43E+00	2.40E+00	2.01E-01	8.73E+00
2653	490710.04	3858860.04	13.7689	4.30097	12.241	2.76188	2.25E+00	3.34E+00	2.37E+00	2.03E-01	8.17E+00	2.22E+00	1.44E-04	2.60E-02	5.95E-03	2.25E+00	2.69E+00	3.34E+00	2.37E+00	2.03E-01	8.61E+00
2654	490760.04	3858860.04	13.6358	4.0671	11.811	2.79855	2.23E+00	3.15E+00	2.29E+00	2.06E-01	7.88E+00	2.20E+00	1.37E-04	2.51E-02	6.02E-03	2.23E+00	2.67E+00	3.16E+00	2.29E+00	2.06E-01	8.32E+00
2655	490810.04	3858860.04	13.6716	3.82034	11.67	2.84074	2.24E+00	2.96E+00	2.26E+00	2.09E-01	7.67E+00	2.20E+00	1.28E-04	2.48E-02	6.12E-03	2.23E+00	2.68E+00	2.96E+00	2.26E+00	2.09E-01	8.11E+00
2656	490860.04	3858860.04	13.4667	3.55352	11.508	2.84581	2.20E+00	2.76E+00	2.23E+00	2.10E-01	7.40E+00	2.17E+00	1.19E-04	2.45E-02	6.13E-03	2.20E+00	2.64E+00	2.76E+00	2.23E+00	2.10E-01	7.83E+00
2657	490360.04	3858910.04	13.1144	6.13875	11.121	2.58147	2.14E+00	4.76E+00	2.16E+00	1.90E-01	9.25E+00	2.11E+00	2.06E-04	2.36E-02	5.56E-03	2.14E+00	2.57E+00	4.76E+00	2.16E+00	1.90E-01	9.67E+00
2658	490410.04	3858910.04	13.1652	5.8598	11.212	2.58207	2.15E+00	4.55E+00	2.17E+00	1.90E-01	9.06E+00	2.12E+00	1.97E-04	2.38E-02	5.56E-03	2.15E+00	2.58E+00	4.55E+00	2.17E+00	1.90E-01	9.49E+00
2659	490460.04	3858910.04	13.3481	5.55005	11.248	2.63588	2.18E+00	4.31E+00	2.18E+00	1.94E-01	8.86E+00	2.15E+00	1.86E-04	2.39E-02	5.67E-03	2.18E+00	2.61E+00	4.31E+00	2.18E+00	1.94E-01	9.29E+00
2660	490510.04	3858910.04	13.6209	5.22104	11.719	2.63821	2.23E+00	4.05E+00	2.27E+00	1.94E-01	8.74E+00	2.19E+00	1.75E-04	2.49E-02	5.68E-03	2.23E+00	2.67E+00	4.05E+00	2.27E+00	1.94E-01	9.18E+00
2661	490560.04	3858910.04	13.5576	4.89882	12.188	2.7173	2.22E+00	3.80E+00	2.36E+00	2.00E-01	8.58E+00	2.18E+00	1.65E-04	2.59E-02	5.85E-03	2.22E+00	2.65E+00	3.80E+00	2.36E+00	2.00E-01	9.02E+00
2662	490610.04	3858910.04	13.5698	4.58812	12.143	2.77048	2.22E+00	3.56E+00	2.35E+00	2.04E-01	8.34E+00	2.19E+00	1.54E-04	2.58E-02	5.96E-03	2.22E+00	2.66E+00	3.56E+00	2.35E+00	2.04E-01	8.77E+00
2663	490660.04	3858910.04	13.5141	4.36909	12.084	2.77573	2.21E+00	3.39E+00	2.34E+00	2.04E-01	8.15E+00	2.18E+00	1.47E-04	2.57E-02	5.98E-03	2.21E+00	2.64E+00	3.39E+00	2.34E+00	2.04E-01	8.58E+00
2664	490710.04	3858910.04	13.5598	4.14745	12.108	2.77578	2.22E+00	3.22E+00	2.35E+00	2.04E-01	7.99E+00	2.18E+00	1.39E-04	2.57E-02	5.98E-03	2.22E+00	2.65E+00	3.22E+00	2.35E+00	2.04E-01	8.42E+00
2665	490760.04	3858910.04	13.597	3.91341	11.726	2.78517	2.22E+00	3.04E+00	2.27E+00	2.05E-01	7.74E+00	2.19E+00	1.31E-04	2.49E-02	6.00E-03	2.22E+00	2.66E+00	3.04E+00	2.27E+00	2.05E-01	8.18E+00
2666	490810.04	3858910.04	13.426	3.71462	11.393	2.79451	2.20E+00	2.88E+00	2.21E+00	2.06E-01	7.49E+00	2.16E+00	1.25E-04	2.42E-02	6.02E-03	2.19E+00	2.63E+00	2.88E+00	2.21E+00	2.06E-01	7.92E+00
2667	490860.04	3858910.04	13.4115	3.4401	11.928	2.82837	2.19E+00	2.67E+00	2.31E+00	2.08E-01	7.38E+00	2.16E+00	1.16E-04	2.54E-02	6.09E-03	2.19E+00	2.62E+00	2.67E+00	2.31E+00	2.08E-01	7.81E+00
2668	490360.04	3858960.04	12.7651	6.26009	10.131	2.66606	2.09E+00	4.86E+00	1.96E+00	1.96E-01	9.10E+00	2.06E+00	2.10E-04	2.15E-02	5.74E-03	2.08E+00	2.50E+00	4.86E+00	1.96E+00	1.96E-01	9.51E+00
2669	490410.04	3858960.04	12.7648	5.9227	10.111	2.66453	2.09E+00	4.59E+00	1.96E+00	1.96E-01	8.84E+00	2.06E+00	1.99E-04	2.15E-02	5.74E-03	2.08E+00	2.50E+00	4.59E+00	1.96E+00	1.96E-01	9.25E+00
2670	490460.04	3858960.04	12.9832	5.53928	10.374	2.70366	2.12E+00	4.30E+00	2.01E+00	1.99E-01	8.63E+00	2.09E+00	1.86E-04	2.21E-02	5.82E-03	2.12E+00	2.54E+00	4.30E+00	2.01E+00	1.99E-01	9.05E+00
2671	490510.04	3858960.04	12.9549	5.22614	10.558	2.74612	2.12E+00	4.05E+00	2.05E+00	2.02E-01	8.42E+00	2.09E+00	1.76E-04	2.24E-02	5.91E-03	2.12E+00	2.54E+00	4.05E+00	2.05E+00	2.02E-01	8.84E+00
2672	490560.04	3858960.04	13.3018	4.92697	10.584	2.71793	2.18E+00	3.82E+00	2.05E+00	2.00E-01	8.25E+00	2.14E+00	1.66E-04	2.25E-02	5.85E-03	2.17E+00	2.60E+00	3.82E+00	2.05E+00	2.00E-01	8.68E+00
2673	490610.04	3858960.04	13.4172	4.54489	10.632	2.75761	2.19E+00	3.53E+00	2.06E+00	2.03E-01	7.98E+00	2.16E+00	1.53E-04	2.26E-02	5.94E-03	2.19E+00	2.63E+00	3.53E+00	2.06E+00	2.03E-01	8.42E+00
2674	490660.04	3858960.04	13.448	4.41866	11.068	2.78238	2.20E+00	3.43E+00	2.15E+00	2.05E-01	7.98E+00	2.17E+00	1.48E-04	2.35E-02	5.99E-03	2.20E+00	2.63E+00	3.43E+00	2.15E+00	2.05E-01	8.41E+00
2675	490710.04	3858960.04	13.2775	4.06207	11.315	2.81313	2.17E+00	3.15E+00	2.19E+00	2.07E-01	7.72E+00	2.14E+00	1.36E-04	2.41E-02	6.06E-03	2.17E+00	2.60E+00	3.15E+00	2.19E+00	2.07E-01	8.15E+00
2676	490760.04	3858960.04	13.3093	3.80325	11.774	2.80769	2.18E+00	2.95E+00	2.28E+00	2.07E-01	7.62E+00	2.14E+00	1.28E-04	2.50E-02	6.04E-03	2.18E+00	2.60E+00	2.95E+00	2.28E+00	2.07E-01	8.04E+00
2677	490810.04	3858960.04	13.2731	3.57227	11.937	2.85435	2.17E+00	2.77E+00	2.31E+00	2.10E-01	7.47E+00	2.14E+00	1.20E-04	2.54E-02	6.14E-03	2.17E+00	2.60E+00	2.77E+00	2.31E+00	2.10E-01	7.89E+00
2678	490860.04	3858960.04	13.2795	3.33465	11.778	2.83428	2.17E+00	2.59E+00	2.28E+00	2.09E-01	7.25E+00	2.14E+00	1.12E-04	2.50E-02	6.10E-03	2.17E+00	2.60E+00	2.59E+00	2.28E+00	2.09E-01	7.68E+00
2679	490360.04	3859010.04	12.5298	6.20413	9.4923	2.67364	2.05E+00	4.81E+00	1.84E+00	1.97E-01	8.90E+00	2.02E+00	2.08E-04	2.02E-02	5.76E-03	2.05E+00	2.45E+00	4.81E+00	1.84E+00	1.97E-01	9.30E+00
2680	490410.04	3859010.04	12.5826	5.82407	9.2844	2.68892	2.06E+00	4.52E+00	1.80E+00	1.98E-01	8.57E+00	2.03E+00	1.96E-04	1.97E-02	5.79E-03	2.05E+00	2.46E+00	4.52E+00	1.80E+00	1.98E-01	8.98E+00

2681	490460.04	3859010.04	12.6492	5.39363	9.4719	2.7223	2.07E+00	4.18E+00	1.84E+00	2.00E-01	8.29E+00	2.04E+00	1.81E-04	2.01E-02	5.86E-03	2.06E+00	2.48E+00	4.18E+00	1.84E+00	2.00E-01	8.70E+00
2682	490510.04	3859010.04	12.6639	4.98761	9.4369	2.80158	2.07E+00	3.87E+00	1.83E+00	2.06E-01	7.98E+00	2.04E+00	1.68E-04	2.01E-02	6.03E-03	2.07E+00	2.48E+00	3.87E+00	1.83E+00	2.06E-01	8.38E+00
2683	490560.04	3859010.04	12.8209	4.80168	9.645	2.8072	2.10E+00	3.72E+00	1.87E+00	2.07E-01	7.90E+00	2.07E+00	1.61E-04	2.05E-02	6.04E-03	2.09E+00	2.51E+00	3.72E+00	1.87E+00	2.07E-01	8.31E+00
2684	490610.04	3859010.04	12.7835	4.42158	9.7434	2.84818	2.09E+00	3.43E+00	1.89E+00	2.10E-01	7.62E+00	2.06E+00	1.49E-04	2.07E-02	6.13E-03	2.09E+00	2.50E+00	3.43E+00	1.89E+00	2.10E-01	8.03E+00
2685	490660.04	3859010.04	13.1471	4.31805	10.071	2.79372	2.15E+00	3.35E+00	1.95E+00	2.06E-01	7.66E+00	2.12E+00	1.45E-04	2.14E-02	6.01E-03	2.15E+00	2.57E+00	3.35E+00	1.95E+00	2.06E-01	8.08E+00
2686	490710.04	3859010.04	13.0878	4.02477	10.205	2.80148	2.14E+00	3.12E+00	1.98E+00	2.06E-01	7.45E+00	2.11E+00	1.35E-04	2.17E-02	6.03E-03	2.14E+00	2.56E+00	3.12E+00	1.98E+00	2.06E-01	7.87E+00
2687	490760.04	3859010.04	13.1371	3.79922	10.363	2.86749	2.15E+00	2.95E+00	2.01E+00	2.11E-01	7.32E+00	2.12E+00	1.28E-04	2.20E-02	6.17E-03	2.15E+00	2.57E+00	2.95E+00	2.01E+00	2.11E-01	7.74E+00
2688	490810.04	3859010.04	12.9493	3.4774	11.009	3.00087	2.12E+00	2.70E+00	2.13E+00	2.21E-01	7.17E+00	2.09E+00	1.17E-04	2.34E-02	6.46E-03	2.12E+00	2.53E+00	2.70E+00	2.13E+00	2.21E-01	7.59E+00
2689	490860.04	3859010.04	12.9689	3.25792	11.545	3.03724	2.12E+00	2.53E+00	2.24E+00	2.24E-01	7.11E+00	2.09E+00	1.09E-04	2.45E-02	6.54E-03	2.12E+00	2.54E+00	2.53E+00	2.24E+00	2.24E-01	7.53E+00
2690	490360.04	3859060.04	12.3193	6.34806	8.748	2.70029	2.01E+00	4.92E+00	1.70E+00	1.99E-01	8.83E+00	1.99E+00	2.13E-04	1.86E-02	5.81E-03	2.01E+00	2.41E+00	4.92E+00	1.70E+00	1.99E-01	9.23E+00
2691	490410.04	3859060.04	12.1598	5.87601	9.0402	2.72112	1.99E+00	4.56E+00	1.75E+00	2.00E-01	8.50E+00	1.96E+00	1.97E-04	1.92E-02	5.86E-03	1.98E+00	2.38E+00	4.56E+00	1.75E+00	2.00E-01	8.89E+00
2692	490460.04	3859060.04	12.3766	5.44364	9.196	2.75277	2.02E+00	4.22E+00	1.78E+00	2.03E-01	8.23E+00	1.99E+00	1.83E-04	1.96E-02	5.93E-03	2.02E+00	2.42E+00	4.22E+00	1.78E+00	2.03E-01	8.63E+00
2693	490510.04	3859060.04	12.3361	5.09161	8.678	2.76046	2.02E+00	3.95E+00	1.68E+00	2.03E-01	7.85E+00	1.99E+00	1.71E-04	1.85E-02	5.94E-03	2.01E+00	2.41E+00	3.95E+00	1.68E+00	2.03E-01	8.25E+00
2694	490560.04	3859060.04	12.4128	4.64503	8.8628	2.76662	2.03E+00	3.60E+00	1.72E+00	2.04E-01	7.56E+00	2.00E+00	1.56E-04	1.88E-02	5.96E-03	2.03E+00	2.43E+00	3.60E+00	1.72E+00	2.04E-01	7.95E+00
2695	490610.04	3859060.04	12.4998	4.39103	8.8829	2.72702	2.04E+00	3.41E+00	1.72E+00	2.01E-01	7.37E+00	2.01E+00	1.48E-04	1.89E-02	5.87E-03	2.04E+00	2.45E+00	3.41E+00	1.72E+00	2.01E-01	7.78E+00
2696	490660.04	3859060.04	12.5014	4.19853	8.918	2.81173	2.04E+00	3.26E+00	1.73E+00	2.07E-01	7.24E+00	2.01E+00	1.41E-04	1.90E-02	6.05E-03	2.04E+00	2.45E+00	3.26E+00	1.73E+00	2.07E-01	7.64E+00
2697	490710.04	3859060.04	12.6781	3.85999	9.0774	2.90637	2.07E+00	2.99E+00	1.76E+00	2.14E-01	7.04E+00	2.04E+00	1.30E-04	1.93E-02	6.26E-03	2.07E+00	2.48E+00	2.99E+00	1.76E+00	2.14E-01	7.45E+00
2698	490760.04	3859060.04	12.9134	3.59187	9.2091	2.97093	2.11E+00	2.79E+00	1.79E+00	2.19E-01	6.90E+00	2.08E+00	1.21E-04	1.96E-02	6.40E-03	2.11E+00	2.53E+00	2.79E+00	1.79E+00	2.19E-01	7.32E+00
2699	490810.04	3859060.04	12.7479	3.29296	9.4922	3.10128	2.09E+00	2.55E+00	1.84E+00	2.28E-01	6.71E+00	2.05E+00	1.11E-04	2.02E-02	6.68E-03	2.08E+00	2.49E+00	2.55E+00	1.84E+00	2.28E-01	7.12E+00
2700	490860.04	3859060.04	13.3073	3.04826	10.357	3.1449	2.18E+00	2.36E+00	2.01E+00	2.32E-01	6.78E+00	2.14E+00	1.02E-04	2.20E-02	6.77E-03	2.17E+00	2.60E+00	2.36E+00	2.01E+00	2.32E-01	7.21E+00
2701	490360.04	3859110.04	12.2426	6.5014	7.3786	2.65095	2.00E+00	5.04E+00	1.43E+00	1.95E-01	8.67E+00	1.97E+00	2.18E-04	1.57E-02	5.71E-03	1.99E+00	2.40E+00	5.04E+00	1.43E+00	1.95E-01	9.06E+00
2702	490410.04	3859110.04	12.1368	5.95467	7.6661	2.66239	1.99E+00	4.62E+00	1.49E+00	1.96E-01	8.29E+00	1.96E+00	2.00E-04	1.63E-02	5.73E-03	1.98E+00	2.37E+00	4.62E+00	1.49E+00	1.96E-01	8.68E+00
2703	490460.04	3859110.04	12.0863	5.6005	8.2162	2.67724	1.98E+00	4.34E+00	1.59E+00	1.97E-01	8.11E+00	1.95E+00	1.88E-04	1.75E-02	5.76E-03	1.97E+00	2.37E+00	4.34E+00	1.59E+00	1.97E-01	8.50E+00
2704	490510.04	3859110.04	12.0613	4.95951	8.581	2.73991	1.97E+00	3.85E+00	1.66E+00	2.02E-01	7.69E+00	1.94E+00	1.67E-04	1.82E-02	5.90E-03	1.97E+00	2.36E+00	3.85E+00	1.66E+00	2.02E-01	8.07E+00
2705	490560.04	3859110.04	12.117	4.63315	8.7434	2.80227	1.98E+00	3.59E+00	1.70E+00	2.06E-01	7.48E+00	1.95E+00	1.56E-04	1.86E-02	6.03E-03	1.98E+00	2.37E+00	3.59E+00	1.70E+00	2.06E-01	7.87E+00
2706	490610.04	3859110.04	12.2327	4.26252	8.4082	2.85002	2.00E+00	3.31E+00	1.63E+00	2.10E-01	7.15E+00	1.97E+00	1.43E-04	1.79E-02	6.14E-03	2.00E+00	2.39E+00	3.31E+00	1.63E+00	2.10E-01	7.54E+00
2707	490660.04	3859110.04	12.1954	3.80855	8.1957	2.97856	1.99E+00	2.95E+00	1.59E+00	2.19E-01	6.76E+00	1.97E+00	1.28E-04	1.74E-02	6.41E-03	1.99E+00	2.39E+00	2.95E+00	1.59E+00	2.19E-01	7.15E+00
2708	490710.04	3859110.04	12.324	3.60074	8.2952	3.08884	2.02E+00	2.79E+00	1.61E+00	2.27E-01	6.64E+00	1.99E+00	1.21E-04	1.76E-02	6.65E-03	2.01E+00	2.41E+00	2.79E+00	1.61E+00	2.27E-01	7.04E+00
2709	490760.04	3859110.04	12.2535	3.32835	8.2563	3.18116	2.00E+00	2.58E+00	1.60E+00	2.34E-01	6.42E+00	1.97E+00	1.12E-04	1.76E-02	6.85E-03	2.00E+00	2.40E+00	2.58E+00	1.60E+00	2.34E-01	6.81E+00
2710	490810.04	3859110.04	12.8237	3.00294	8.5627	3.20837	2.10E+00	2.33E+00	1.66E+00	2.36E-01	6.32E+00	2.07E+00	1.01E-04	1.82E-02	6.91E-03	2.09E+00	2.51E+00	2.33E+00	1.66E+00	2.36E-01	6.74E+00
2711	490860.04	3859110.04	12.9996	2.77643	8.615	3.19048	2.13E+00	2.15E+00	1.67E+00	2.35E-01	6.19E+00	2.09E+00	9.33E-05	1.83E-02	6.87E-03	2.12E+00	2.54E+00	2.15E+00	1.67E+00	2.35E-01	6.60E+00
2712	490360.04	3859160.04	12.3846	6.6264	6.6493	2.6446	2.03E+00	5.14E+00	1.29E+00	1.95E-01	8.65E+00	2.00E+00	2.23E-04	1.41E-02	5.69E-03	2.02E+00	2.42E+00	5.14E+00	1.29E+00	1.95E-01	9.05E+00
2713	490410.04	3859160.04	12.2335	6.0273	7.0028	2.68857	2.00E+00	4.68E+00	1.36E+00	1.98E-01	8.23E+00	1.97E+00	2.02E-04	1.49E-02	5.79E-03	1.99E+00	2.39E+00	4.68E+00	1.36E+00	1.98E-01	8.63E+00
2714	490460.04	3859160.04	12.0086	5.59696	7.1952	2.68954	1.96E+00	4.34E+00	1.40E+00	1.98E-01	7.90E+00	1.93E+00	1.88E-04	1.53E-02	5.79E-03	1.96E+00	2.35E+00	4.34E+00	1.40E+00	1.98E-01	8.28E+00
2715	490510.04	3859160.04	11.9327	5.14205	7.4964	2.76758	1.95E+00	3.99E+00	1.45E+00	2.04E-01	7.60E+00	1.92E+00	1.73E-04	1.59E-02	5.96E-03	1.94E+00	2.33E+00	3.99E+00	1.45E+00	2.04E-01	7.98E+00
2716	490560.04	3859160.04	11.7519	4.62826	7.8898	2.90883	1.92E+00	3.59E+00	1.53E+00	2.14E-01	7.26E+00	1.89E+00	1.55E-04	1.68E-02	6.26E-03	1.92E+00	2.30E+00	3.59E+00	1.53E+00	2.14E-01	7.63E+00
2717	490610.04	3859160.04	11.8982	4.28841	8.0994	2.97065	1.95E+00	3.33E+00	1.57E+00	2.19E-01	7.06E+00	1.92E+00	1.44E-04	1.72E-02	6.40E-03	1.94E+00	2.33E+00	3.33E+00	1.57E+00	2.19E-01	7.44E+00
2718	490660.04	3859160.04	11.8614	3.62075	8.2135	3.21882	1.94E+00	2.81E+00	1.59E+00	2.37E-01	6.58E+00	1.91E+00	1.22E-04	1.75E-02	6.93E-03	1.94E+00	2.32E+00	2.81E+00	1.59E+00	2.37E-01	6.96E+00
2719	490710.04	3859160.04	11.9381	3.39449	8.0092	3.22347	1.95E+00	2.63E+00	1.55E+00	2.37E-01	6.38E+00	1.92E+00	1.14E-04	1.70E-02	6.94E-03	1.95E+00	2.34E+00	2.63E+00	1.55E+00	2.37E-01	6.76E+00
2720	490760.04	3859160.04	12.5681	3.01262	7.7811	3.19891	2.06E+00	2.34E+00	1.51E+00	2.36E-01	6.14E+00	2.03E+00	1.01E-04	1.65E-02	6.89E-03	2.05E+00	2.46E+00	2.34E+00	1.51E+00	2.36E-01	6.54E+00
2721	490810.04	3859160.04	12.5663	2.83864	7.7606	3.16663	2.06E+00	2.20E+00	1.50E+00	2.33E-01	6.00E+00	2.02E+00	9.54E-05	1.65E-02	6.82E-03	2.05E+00	2.46E+00	2.20E+00	1.50E+00	2.33E-01	6.40E+00
2722	490860.04	3859160.04	12.7626	2.67731	7.7357	3.16137	2.09E+00	2.08E+00	1.50E+00	2.33E-01	5.90E+00	2.06E+00	8.99E-05	1.64E-02	6.81E-03	2.08E+00	2.50E+00	2.08E+00	1.50E+00	2.33E-01	6.31E+00
2723	490360.04	3859210.04	12.3277	6.77021	5.7237	2.67722	2.02E+00	5.25E+00	1.11E+00	1.97E-01	8.57E+00	1.99E+00	2.27E-04	1.22E-02	5.76E-03	2.00E+00	2.41E+00	5.25E+00	1.11E+00	1.97E-01	8.97E+00
2724	490410.04	3859210.04	12.2233	6.4263	5.816	2.71308	2.00E+00	4.98E+00	1.13E+00	2.00E-01	8.31E+00	1.97E+00	2.16E-04	1.24E-02	5.84E-03	1.99E+00	2.39E+00	4.99E+00	1.13E+00	2.00E-01	8.70E+00
2725	490460.04	3859210.04	12.1341	5.63474	6.1457	2.86557	1.98E+00	4.37E+00	1.19E+00	2.11E-01	7.76E+00	1.96E+00	1.89E-04	1.31E-02	6.17E-03	1.97E+00	2.37E+00	4.37E+00	1.19E+00	2.11E-01	8.15E+00
2726	490510.04	3859210.04	11.8729	5.19046	6.4809	2.99603	1.94E+00	4.03E+00	1.26E+00	2.21E-01	7.45E+00	1.91E+00	1.74E-04	1.38E-02	6.45E-03	1.93E+00	2.32E+00	4.03E+00	1.26E+00	2.21E-01	7.83E+00
2727	490560.04	3859210.04	11.709	4.88684	6.7797	3.02393	1.92E+00	3.79E+00	1.31E+00	2.23E-01	7.24E+00	1.89E+00	1.64E-04	1.44E-02	6.51E-03	1.91E+00	2.29E+00	3.79E+00	1.31E+00	2.23E-01	7.62E+00
2728	490610.04	3859210.04	11.6881	4.4466	7.1019	3.10687	1.91E+00	3.45E+00	1.38E+00	2.29E-01	6.97E+00	1.88E+00	1.49E-04	1.51E-02	6.69E-03	1.91E+00	2.29E+00	3.45E+00	1.38E+00	2.29E-01	7.34E+00
2729	490660.04	3859210.04	11.5024	3.73535	7.5065	3.15301	1.88E+00	2.90E+00	1.46E+00	2.32E-01	6.47E+00	1.85E+00	1.25E-04	1.60E-02	6.79E-03	1.88E+00	2.25E+00	2.90E+00	1.46E+00	2.32E-01	6.84E+00
2730	490710.04	3859210.04	11.5773	3.38945	7.5799	3.16813	1.89E+00	2.63E+00	1.47E+00	2.33E-01	6.23E+00	1.87E+00	1.14E-04	1.61E-02	6.82E-03	1.89E+00	2.27E+00	2.63E+00	1.47E+00	2.33E-01	6.60E+00
2731	490760.04	3859210.04	12.3451	3.03699	7.6815	3.26984	2.02E+00	2.36E+00	1.49E+00	2.41E-01	6.11E+00	1.99E+00	1.02E-04	1.63E-02	7.04E-03	2.01E+00	2.42E+00	2.36E+00	1.49E+00	2.41E-01	6.50E+00
2732	490810.04	3859210.04	12.4178	3.00611	7.6256	3.23048	2.03E+00	2.33E+00	1.48E+00	2.38E-01	6.08E+00	2.00E+00	1.01E-04	1.62E-02	6.95E-03	2.02E+00	2.43E+00	2.33E+00	1.48E+00	2.38E-01	6.48E+00
2733	490860.04	3859210.04	12.3087	2.96038	7.3424	3.20276	2.01E+00	2.30E+00	1.42E+00	2.36E-01	5.97E+00	1.98E+00	9.94E-05	1.56E-02	6.89E-03	2.01E+00	2.41E+00	2.30E+00	1.42E+00	2.36E-01	6.36E+00
2734	490360.04	3859260.04	11.9222	6.86227	5.5899	2.78747	1.95E+00	5.32E+00	1.08E+00	2.05E-01	8.56E+00	1.92E+00	2.31E-04	1.19E-02	6.00E-03	1.94E+00	2.33E+00	5.32E+00	1.08E+00	2.05E-01	8.95E+00
2735	490410.04	3859260.04	12.0904	6.48558	5.3941	2.85104	1.98E+00	5.03E+00	1.05E+00	2.10E-01	8.26E+00	1.95E+00	2.18E-04	1.15E-02	6.14E-03	1.97E+00	2.37E+00	5.03E+00	1.05E+00	2.10E-01	8.65E+00
2736	490460.04	3859260.04	11.9408	6.15403	5.2991	2.85434	1.95E+00	4.77E+00	1.03E+00	2.10E-01	7.96E+00	1.92E+00	2.07E-04	1.13E-02	6.14E-03	1.94E+00	2.34E+00	4.77E+00	1.03E+00	2.10E-01	8.35E+00
2737	490510.04	3859260.04	11.9792	5.7989	5.556	2.86666	1.96E+00	4.50E+00	1.08E+00	2.11E-01	7.75E+00	1.93E+00	1.95E-04	1.18E-02	6.17E-03	1.95E+00	2.34E+00	4.50E+00	1.08E+00	2.11E-01	8.13E+00
2738	490560.04	3859260.04	11.7942	5.37415	5.871	2.92725	1.93E+00	4.17E+00	1.14E+00	2.16E-01	7.45E+00	1.90E+00	1.81E-04	1.25E-02	6.30E-03	1.92E+00	2.31E+00	4.17E+00	1.14E+00	2.16E-01	7.83E+00
2739	490610.04	3859260.04	11.5828	4.66088	6.0906	3.02538	1.89E+00	3.62E+00	1.18E+00	2.23E-01	6.91E+00	1.87E+00	1.57E-04	1.29E-02	6.51E-03	1.89E+00	2.27E+00	3.62E+00	1.18E+00	2.23E-01	7.29E+00
2740	490660.04	3859260.04	11.4762	4.57181	6.4082	2.99516	1.88E+00	3.55E+00	1.24E+00	2.21E-01	6.89E+00	1.85E+00	1.54E-04	1.36E-02	6.45E-03	1.87E+00	2.25E+00	3.55E+00	1.24E+00	2.21E-01	7.26E+00
2741	490710.04	3859260.04	11.3636	4.1908	6.7157	2.98823	1.86E+00	3.25E+00	1.30E+00	2.20E-01	6.63E+00	1.83E+00	1.41E-04	1.43E-02	6.43E-03	1.85E+00	2.22E+00	3.25E+00	1.30E+00	2.20E-01	7.00E+00

2742	490760.04	3859260.04	11.331	3.70331	7.0266	3.08268	1.85E+00	2.87E+00	1.36E+00	2.27E-01	6.32E+00	1.83E+00	1.24E-04	1.49E-02	6.64E-03	1.85E+00	2.22E+00	2.87E+00	1.36E+00	2.27E-01	6.68E+00
2743	490810.04	3859260.04	11.3632	3.56534	7.1131	3.11351	1.86E+00	2.77E+00	1.38E+00	2.29E-01	6.23E+00	1.83E+00	1.20E-04	1.51E-02	6.70E-03	1.85E+00	2.22E+00	2.77E+00	1.38E+00	2.29E-01	6.60E+00
2744	490860.04	3859260.04	11.4587	3.42439	7.2436	3.13961	1.87E+00	2.66E+00	1.40E+00	2.31E-01	6.17E+00	1.85E+00	1.15E-04	1.54E-02	6.76E-03	1.87E+00	2.24E+00	2.66E+00	1.40E+00	2.31E-01	6.53E+00
2745	490360.04	3859310.04	12.2639	7.1696	5.5987	2.70773	2.01E+00	5.56E+00	1.09E+00	1.99E-01	8.85E+00	1.98E+00	2.41E-04	1.19E-02	5.83E-03	1.99E+00	2.40E+00	5.56E+00	1.09E+00	1.99E-01	9.25E+00
2746	490410.04	3859310.04	11.8942	6.75634	5.3975	2.75881	1.95E+00	5.24E+00	1.05E+00	2.03E-01	8.44E+00	1.92E+00	2.27E-04	1.15E-02	5.94E-03	1.93E+00	2.33E+00	5.24E+00	1.05E+00	2.03E-01	8.82E+00
2747	490460.04	3859310.04	11.7649	6.42256	5.1724	2.78294	1.92E+00	4.98E+00	1.00E+00	2.05E-01	8.11E+00	1.90E+00	2.16E-04	1.10E-02	5.99E-03	1.91E+00	2.30E+00	4.98E+00	1.00E+00	2.05E-01	8.49E+00
2748	490510.04	3859310.04	11.8833	6.1793	5.0336	2.80991	1.94E+00	4.79E+00	9.76E-01	2.07E-01	7.92E+00	1.91E+00	2.08E-04	1.07E-02	6.05E-03	1.93E+00	2.33E+00	4.79E+00	9.76E-01	2.07E-01	8.30E+00
2749	490560.04	3859310.04	11.7786	5.88705	5.1046	2.83771	1.93E+00	4.57E+00	9.90E-01	2.09E-01	7.69E+00	1.90E+00	1.98E-04	1.09E-02	6.11E-03	1.92E+00	2.30E+00	4.57E+00	9.90E-01	2.09E-01	8.07E+00
2750	490610.04	3859310.04	11.656	5.64196	5.3483	2.84412	1.91E+00	4.38E+00	1.04E+00	2.09E-01	7.53E+00	1.88E+00	1.90E-04	1.14E-02	6.12E-03	1.90E+00	2.28E+00	4.38E+00	1.04E+00	2.09E-01	7.90E+00
2751	490660.04	3859310.04	11.3955	5.32367	5.5961	2.88239	1.86E+00	4.13E+00	1.09E+00	2.12E-01	7.29E+00	1.84E+00	1.79E-04	1.19E-02	6.21E-03	1.85E+00	2.23E+00	4.13E+00	1.09E+00	2.12E-01	7.66E+00
2752	490710.04	3859310.04	11.2538	4.67862	5.7352	3.00303	1.84E+00	3.63E+00	1.11E+00	2.21E-01	6.80E+00	1.81E+00	1.57E-04	1.22E-02	6.46E-03	1.83E+00	2.20E+00	3.63E+00	1.11E+00	2.21E-01	7.16E+00
2753	490760.04	3859310.04	11.2364	4.31921	6.074	3.07978	1.84E+00	3.35E+00	1.18E+00	2.27E-01	6.59E+00	1.81E+00	1.45E-04	1.29E-02	6.63E-03	1.83E+00	2.20E+00	3.35E+00	1.18E+00	2.27E-01	6.95E+00
2754	490810.04	3859310.04	11.0045	4.14252	6.334	3.09753	1.80E+00	3.21E+00	1.23E+00	2.28E-01	6.47E+00	1.77E+00	1.39E-04	1.35E-02	6.67E-03	1.79E+00	2.15E+00	3.21E+00	1.23E+00	2.28E-01	6.82E+00
2755	490860.04	3859310.04	11.0649	3.8431	6.5957	3.16806	1.81E+00	2.98E+00	1.28E+00	2.33E-01	6.30E+00	1.78E+00	1.29E-04	1.40E-02	6.82E-03	1.80E+00	2.17E+00	2.98E+00	1.28E+00	2.33E-01	6.66E+00
2756	490360.04	3859360.04	11.9677	7.57641	5.5067	2.68681	1.96E+00	5.88E+00	1.07E+00	1.98E-01	9.10E+00	1.93E+00	2.55E-04	1.17E-02	5.78E-03	1.95E+00	2.34E+00	5.88E+00	1.07E+00	1.98E-01	9.48E+00
2757	490410.04	3859360.04	11.964	7.23548	5.5203	2.71712	1.96E+00	5.61E+00	1.07E+00	2.00E-01	8.84E+00	1.93E+00	2.43E-04	1.17E-02	5.85E-03	1.95E+00	2.34E+00	5.61E+00	1.07E+00	2.00E-01	9.22E+00
2758	490460.04	3859360.04	11.9241	6.94978	5.1855	2.70522	1.95E+00	5.39E+00	1.01E+00	1.99E-01	8.55E+00	1.92E+00	2.33E-04	1.10E-02	5.82E-03	1.94E+00	2.33E+00	5.39E+00	1.01E+00	1.99E-01	8.93E+00
2759	490510.04	3859360.04	11.4366	6.68302	5.0375	2.75147	1.87E+00	5.18E+00	9.77E-01	2.03E-01	8.23E+00	1.84E+00	2.24E-04	1.07E-02	5.92E-03	1.86E+00	2.24E+00	5.18E+00	9.77E-01	2.03E-01	8.60E+00
2760	490560.04	3859360.04	11.6246	6.27207	4.8	2.80702	1.90E+00	4.87E+00	9.31E-01	2.07E-01	7.90E+00	1.87E+00	2.11E-04	1.02E-02	6.04E-03	1.89E+00	2.27E+00	4.87E+00	9.31E-01	2.07E-01	8.28E+00
2761	490610.04	3859360.04	11.4908	5.89903	4.7636	2.85226	1.88E+00	4.58E+00	9.24E-01	2.10E-01	7.59E+00	1.85E+00	1.98E-04	1.01E-02	6.14E-03	1.87E+00	2.25E+00	4.58E+00	9.24E-01	2.10E-01	7.96E+00
2762	490660.04	3859360.04	11.5419	5.64722	4.9654	2.89366	1.89E+00	4.38E+00	9.63E-01	2.13E-01	7.44E+00	1.86E+00	1.90E-04	1.06E-02	6.23E-03	1.88E+00	2.26E+00	4.38E+00	9.63E-01	2.13E-01	7.82E+00
2763	490710.04	3859360.04	11.3121	5.24739	5.0555	2.92574	1.85E+00	4.07E+00	9.80E-01	2.15E-01	7.12E+00	1.82E+00	1.76E-04	1.07E-02	6.30E-03	1.84E+00	2.21E+00	4.07E+00	9.80E-01	2.15E-01	7.48E+00
2764	490760.04	3859360.04	11.0963	4.79261	5.2572	3.00372	1.81E+00	3.72E+00	1.02E+00	2.21E-01	6.77E+00	1.79E+00	1.61E-04	1.12E-02	6.47E-03	1.81E+00	2.17E+00	3.72E+00	1.02E+00	2.21E-01	7.13E+00
2765	490810.04	3859360.04	11.0032	4.7452	5.4437	2.99374	1.80E+00	3.68E+00	1.06E+00	2.20E-01	6.76E+00	1.77E+00	1.59E-04	1.16E-02	6.44E-03	1.79E+00	2.15E+00	3.68E+00	1.06E+00	2.20E-01	7.11E+00
2766	490860.04	3859360.04	10.9518	4.50624	5.7613	3.03478	1.79E+00	3.50E+00	1.12E+00	2.23E-01	6.63E+00	1.76E+00	1.51E-04	1.22E-02	6.53E-03	1.78E+00	2.14E+00	3.50E+00	1.12E+00	2.23E-01	6.98E+00
2767	490360.04	3859410.04	11.6231	7.96453	5.1674	2.74841	1.90E+00	6.18E+00	1.00E+00	2.02E-01	9.28E+00	1.87E+00	2.68E-04	1.10E-02	5.92E-03	1.89E+00	2.27E+00	6.18E+00	1.00E+00	2.02E-01	9.66E+00
2768	490410.04	3859410.04	11.6644	7.70905	5.1247	2.74114	1.91E+00	5.98E+00	9.94E-01	2.02E-01	9.08E+00	1.88E+00	2.59E-04	1.09E-02	5.90E-03	1.90E+00	2.28E+00	5.98E+00	9.94E-01	2.02E-01	9.46E+00
2769	490460.04	3859410.04	11.8414	7.3964	5.2017	2.74049	1.94E+00	5.74E+00	1.01E+00	2.02E-01	8.88E+00	1.91E+00	2.48E-04	1.11E-02	5.90E-03	1.93E+00	2.32E+00	5.74E+00	1.01E+00	2.02E-01	9.27E+00
2770	490510.04	3859410.04	11.7833	7.14272	5.1122	2.72097	1.93E+00	5.54E+00	9.91E-01	2.00E-01	8.66E+00	1.90E+00	2.40E-04	1.09E-02	5.86E-03	1.92E+00	2.31E+00	5.54E+00	9.91E-01	2.00E-01	9.04E+00
2771	490560.04	3859410.04	11.3286	6.88439	4.8778	2.72308	1.85E+00	5.34E+00	9.46E-01	2.00E-01	8.34E+00	1.83E+00	2.31E-04	1.04E-02	5.86E-03	1.84E+00	2.22E+00	5.34E+00	9.46E-01	2.00E-01	8.70E+00
2772	490610.04	3859410.04	11.2991	6.59283	4.6906	2.73787	1.85E+00	5.11E+00	9.10E-01	2.02E-01	8.07E+00	1.82E+00	2.21E-04	9.97E-03	5.89E-03	1.84E+00	2.21E+00	5.11E+00	9.10E-01	2.02E-01	8.44E+00
2773	490660.04	3859410.04	11.3786	6.08622	4.566	2.85854	1.86E+00	4.72E+00	8.85E-01	2.10E-01	7.68E+00	1.83E+00	2.04E-04	9.71E-03	6.15E-03	1.85E+00	2.23E+00	4.72E+00	8.85E-01	2.10E-01	8.04E+00
2774	490710.04	3859410.04	11.3118	5.69423	4.4974	2.90018	1.85E+00	4.42E+00	8.72E-01	2.14E-01	7.35E+00	1.82E+00	1.91E-04	9.56E-03	6.24E-03	1.84E+00	2.21E+00	4.42E+00	8.72E-01	2.14E-01	7.72E+00
2775	490760.04	3859410.04	11.2238	5.21908	4.7884	2.97822	1.84E+00	4.05E+00	9.28E-01	2.19E-01	7.03E+00	1.81E+00	1.75E-04	1.02E-02	6.41E-03	1.83E+00	2.20E+00	4.05E+00	9.28E-01	2.19E-01	7.39E+00
2776	490810.04	3859410.04	10.9638	5.11614	4.8281	2.95966	1.79E+00	3.97E+00	9.36E-01	2.18E-01	6.92E+00	1.77E+00	1.72E-04	1.03E-02	6.37E-03	1.78E+00	2.15E+00	3.97E+00	9.36E-01	2.18E-01	7.27E+00
2777	490860.04	3859410.04	10.8183	5.09472	5.0515	2.95986	1.77E+00	3.95E+00	9.80E-01	2.18E-01	6.92E+00	1.74E+00	1.71E-04	1.07E-02	6.37E-03	1.76E+00	2.12E+00	3.95E+00	9.80E-01	2.18E-01	7.27E+00
2778	490360.04	3859460.04	11.1891	8.31261	5.0014	2.83186	1.83E+00	6.45E+00	9.70E-01	2.08E-01	9.46E+00	1.80E+00	2.79E-04	1.06E-02	6.10E-03	1.82E+00	2.19E+00	6.45E+00	9.70E-01	2.08E-01	9.82E+00
2779	490410.04	3859460.04	11.3726	8.03944	4.9041	2.76785	1.86E+00	6.24E+00	9.51E-01	2.04E-01	9.25E+00	1.83E+00	2.70E-04	1.04E-02	5.96E-03	1.85E+00	2.23E+00	6.24E+00	9.51E-01	2.04E-01	9.62E+00
2780	490460.04	3859460.04	11.4668	7.78865	4.8889	2.76392	1.88E+00	6.04E+00	9.48E-01	2.03E-01	9.07E+00	1.85E+00	2.62E-04	1.04E-02	5.95E-03	1.86E+00	2.24E+00	6.04E+00	9.48E-01	2.03E-01	9.44E+00
2781	490510.04	3859460.04	11.5492	7.5153	4.8501	2.74999	1.89E+00	5.83E+00	9.40E-01	2.02E-01	8.86E+00	1.86E+00	2.52E-04	1.03E-02	5.92E-03	1.88E+00	2.26E+00	5.83E+00	9.40E-01	2.02E-01	9.23E+00
2782	490560.04	3859460.04	11.4876	7.27979	4.9135	2.73953	1.88E+00	5.65E+00	9.53E-01	2.02E-01	8.68E+00	1.85E+00	2.45E-04	1.04E-02	5.90E-03	1.87E+00	2.25E+00	5.65E+00	9.53E-01	2.02E-01	9.05E+00
2783	490610.04	3859460.04	11.3872	6.97378	4.7357	2.72469	1.86E+00	5.41E+00	9.18E-01	2.01E-01	8.39E+00	1.83E+00	2.34E-04	1.01E-02	5.87E-03	1.85E+00	2.23E+00	5.41E+00	9.18E-01	2.01E-01	8.76E+00
2784	490660.04	3859460.04	11.0217	6.64421	4.6037	2.78409	1.80E+00	5.15E+00	8.93E-01	2.05E-01	8.05E+00	1.78E+00	2.23E-04	9.79E-03	5.99E-03	1.79E+00	2.16E+00	5.15E+00	8.93E-01	2.05E-01	8.41E+00
2785	490710.04	3859460.04	11.1652	6.36554	4.3882	2.84172	1.83E+00	4.94E+00	8.51E-01	2.09E-01	7.82E+00	1.80E+00	2.14E-04	9.33E-03	6.12E-03	1.81E+00	2.18E+00	4.94E+00	8.51E-01	2.09E-01	8.18E+00
2786	490760.04	3859460.04	11.0464	6.03524	4.321	2.91529	1.81E+00	4.68E+00	8.38E-01	2.15E-01	7.54E+00	1.78E+00	2.03E-04	9.19E-03	6.28E-03	1.80E+00	2.16E+00	4.68E+00	8.38E-01	2.15E-01	7.90E+00
2787	490810.04	3859460.04	11.1155	5.72409	4.2959	2.91313	1.82E+00	4.44E+00	8.33E-01	2.14E-01	7.31E+00	1.79E+00	1.92E-04	9.13E-03	6.27E-03	1.81E+00	2.18E+00	4.44E+00	8.33E-01	2.14E-01	7.66E+00
2788	490860.04	3859460.04	10.8295	5.59347	4.7069	2.90005	1.77E+00	4.34E+00	9.13E-01	2.14E-01	7.24E+00	1.74E+00	1.88E-04	1.00E-02	6.24E-03	1.76E+00	2.12E+00	4.34E+00	9.13E-01	2.14E-01	7.58E+00
2789	490360.04	3859510.04	10.7231	8.58916	4.939	2.8453	1.75E+00	6.66E+00	9.58E-01	2.09E-01	9.58E+00	1.73E+00	2.89E-04	1.05E-02	6.13E-03	1.74E+00	2.10E+00	6.66E+00	9.58E-01	2.09E-01	9.93E+00
2790	490410.04	3859510.04	10.9538	8.34946	4.7647	2.80071	1.79E+00	6.48E+00	9.24E-01	2.06E-01	9.40E+00	1.76E+00	2.80E-04	1.01E-02	6.03E-03	1.78E+00	2.14E+00	6.48E+00	9.24E-01	2.06E-01	9.75E+00
2791	490460.04	3859510.04	11.0748	8.07493	4.6633	2.76364	1.81E+00	6.26E+00	9.04E-01	2.03E-01	9.18E+00	1.78E+00	2.71E-04	9.91E-03	5.95E-03	1.80E+00	2.17E+00	6.26E+00	9.04E-01	2.03E-01	9.54E+00
2792	490510.04	3859510.04	11.1494	7.8126	4.6041	2.70562	1.82E+00	6.06E+00	8.93E-01	1.99E-01	8.98E+00	1.80E+00	2.62E-04	9.79E-03	5.82E-03	1.81E+00	2.18E+00	6.06E+00	8.93E-01	1.99E-01	9.33E+00
2793	490560.04	3859510.04	11.2275	7.57541	4.6071	2.66815	1.84E+00	5.88E+00	8.93E-01	1.96E-01	8.80E+00	1.81E+00	2.54E-04	9.80E-03	5.74E-03	1.82E+00	2.20E+00	5.88E+00	8.93E-01	1.96E-01	9.16E+00
2794	490610.04	3859510.04	11.3347	7.30924	4.5902	2.64972	1.85E+00	5.67E+00	8.90E-01	1.95E-01	8.61E+00	1.83E+00	2.46E-04	9.76E-03	5.70E-03	1.84E+00	2.22E+00	5.67E+00	8.90E-01	1.95E-01	8.97E+00
2795	490660.04	3859510.04	11.3315	7.05024	4.643	2.69163	1.85E+00	5.47E+00	9.00E-01	1.98E-01	8.42E+00	1.83E+00	2.37E-04	9.87E-03	5.79E-03	1.84E+00	2.22E+00	5.47E+00	9.00E-01	1.98E-01	8.79E+00
2796	490710.04	3859510.04	10.8764	6.75561	4.4826	2.73863	1.78E+00	5.24E+00	8.69E-01	2.02E-01	8.09E+00	1.75E+00	2.27E-04	9.53E-03	5.90E-03	1.77E+00	2.13E+00	5.24E+00	8.69E-01	2.02E-01	8.44E+00
2797	490760.04	3859510.04	10.8961	6.47154	4.323	2.76852	1.78E+00	5.02E+00	8.38E-01	2.04E-01	7.84E+00	1.76E+00	2.17E-04	9.19E-03	5.96E-03	1.77E+00	2.13E+00	5.02E+00	8.38E-01	2.04E-01	8.19E+00
2798	490810.04	3859510.04	10.8728	6.27163	4.1193	2.77619	1.78E+00	4.86E+00	7.99E-01	2.04E-01	7.65E+00	1.75E+00	2.11E-04	8.76E-03	5.98E-03	1.77E+00	2.13E+00	4.87E+00	7.99E-01	2.04E-01	8.00E+00
2799	490860.04	3859510.04	10.8572	6.02027	4.0638	2.7835	1.78E+00	4.67E+00	7.88E-01	2.05E-01	7.44E+00	1.75E+00	2.02E-04	8.64E-03	5.99E-03	1.76E+00	2.12E+00	4.67E+00	7.88E-01	2.05E-01	7.79E+00
2800	490360.04	3859560.04	10.5964	8.82954	4.0695	2.82159	1.73E+00	6.85E+00	7.89E-01	2.08E-01	9.58E+00	1.71E+00	2.97E-04	8.65E-03	6.07E-03	1.72E+00	2.07E+00	6.85E+00	7.89E-01	2.08E-01	9.92E+00
2801	490410.04	3859560.04	10.4401	8.62957	4.5224	2.76106	1.71E+00	6.69E+00	8.77E-01	2.03E-01	9.48E+00	1.68E+00	2.90E-04	9.62E-03	5.94E-03	1.70E+00	2.04E+00	6.69E+00	8.77E-01	2.03E-01	9.82E+00
2802	490460.04	3859560.04	10.7211	8.41981	4.6796	2.72841	1.75E+00	6.53E+00	9.07E-01	2.01E-01	9.39E+00	1.73E+00	2.83E-04	9.95E-03	5.87E-03	1.74E+00	2.10E+00	6.53E+00	9.07E-01	2.01E-01	9.74E+00

2803	490510.04	3859560.04	10.7885	8.17417	4.469	2.6878	1.76E+00	6.34E+00	8.67E-01	1.98E-01	9.17E+00	1.74E+00	2.75E-04	9.50E-03	5.79E-03	1.75E+00	2.11E+00	6.34E+00	8.67E-01	1.98E-01	9.52E+00
2804	490560.04	3859560.04	11.0192	7.95565	4.4832	2.6573	1.80E+00	6.17E+00	8.69E-01	1.96E-01	9.04E+00	1.78E+00	2.67E-04	9.53E-03	5.72E-03	1.79E+00	2.16E+00	6.17E+00	8.69E-01	1.96E-01	9.39E+00
2805	490610.04	3859560.04	11.008	7.69804	4.3878	2.66443	1.80E+00	5.97E+00	8.51E-01	1.96E-01	8.82E+00	1.77E+00	2.59E-04	9.33E-03	5.74E-03	1.79E+00	2.15E+00	5.97E+00	8.51E-01	1.96E-01	9.17E+00
2806	490660.04	3859560.04	11.1464	7.41321	4.3028	2.66034	1.82E+00	5.75E+00	8.34E-01	1.96E-01	8.60E+00	1.80E+00	2.49E-04	9.15E-03	5.73E-03	1.81E+00	2.18E+00	5.75E+00	8.34E-01	1.96E-01	8.96E+00
2807	490710.04	3859560.04	11.0813	7.09803	4.3504	2.66614	1.81E+00	5.51E+00	8.44E-01	1.96E-01	8.36E+00	1.79E+00	2.38E-04	9.25E-03	5.74E-03	1.80E+00	2.17E+00	5.51E+00	8.44E-01	1.96E-01	8.71E+00
2808	490760.04	3859560.04	10.8906	6.76785	4.392	2.69512	1.78E+00	5.25E+00	8.52E-01	1.98E-01	8.08E+00	1.75E+00	2.27E-04	9.34E-03	5.80E-03	1.77E+00	2.13E+00	5.25E+00	8.52E-01	1.98E-01	8.43E+00
2809	490810.04	3859560.04	10.6088	6.50278	4.2606	2.7052	1.74E+00	5.04E+00	8.26E-01	1.99E-01	7.80E+00	1.71E+00	2.18E-04	9.06E-03	5.82E-03	1.72E+00	2.08E+00	5.04E+00	8.26E-01	1.99E-01	8.15E+00
2810	490860.04	3859560.04	10.7505	6.22743	4.0984	2.73395	1.76E+00	4.83E+00	7.95E-01	2.01E-01	7.58E+00	1.73E+00	2.09E-04	8.71E-03	5.89E-03	1.75E+00	2.10E+00	4.83E+00	7.95E-01	2.01E-01	7.93E+00
2811	490187.25	3859422.08	11.2051	8.95049	5.123	2.76281	1.83E+00	6.94E+00	9.93E-01	2.03E-01	9.97E+00	1.81E+00	3.01E-04	1.09E-02	5.95E-03	1.82E+00	2.19E+00	6.94E+00	9.93E-01	2.03E-01	1.03E+01
2812	490237.25	3859422.08	11.1088	8.70688	5.3164	2.75867	1.82E+00	6.75E+00	1.03E+00	2.03E-01	9.80E+00	1.79E+00	2.92E-04	1.13E-02	5.94E-03	1.81E+00	2.17E+00	6.75E+00	1.03E+00	2.03E-01	1.02E+01
2813	490287.25	3859422.08	11.3186	8.4354	5.2649	2.77506	1.85E+00	6.54E+00	1.02E+00	2.04E-01	9.62E+00	1.82E+00	2.83E-04	1.12E-02	5.97E-03	1.84E+00	2.21E+00	6.54E+00	1.02E+00	2.04E-01	9.98E+00
2814	490337.25	3859422.08	11.429	8.13855	5.1149	2.76454	1.87E+00	6.31E+00	9.92E-01	2.04E-01	9.38E+00	1.84E+00	2.73E-04	1.09E-02	5.95E-03	1.86E+00	2.24E+00	6.31E+00	9.92E-01	2.04E-01	9.75E+00
2815	490187.25	3859472.08	11.0702	9.24715	4.328	2.88239	1.81E+00	7.17E+00	8.39E-01	2.12E-01	1.00E+01	1.78E+00	3.11E-04	9.20E-03	6.21E-03	1.80E+00	2.17E+00	7.17E+00	8.39E-01	2.12E-01	1.04E+01
2816	490237.25	3859472.08	10.9151	8.99558	4.5643	2.85821	1.79E+00	6.98E+00	8.85E-01	2.10E-01	9.86E+00	1.76E+00	3.02E-04	9.70E-03	6.15E-03	1.77E+00	2.14E+00	6.98E+00	8.85E-01	2.10E-01	1.02E+01
2817	490287.25	3859472.08	10.781	8.71219	5.0877	2.84589	1.76E+00	6.76E+00	9.87E-01	2.10E-01	9.72E+00	1.74E+00	2.93E-04	1.08E-02	6.13E-03	1.75E+00	2.11E+00	6.76E+00	9.87E-01	2.10E-01	1.01E+01
2818	490337.25	3859472.08	11.0799	8.4804	4.9927	2.82886	1.81E+00	6.58E+00	9.68E-01	2.08E-01	9.57E+00	1.79E+00	2.85E-04	1.06E-02	6.09E-03	1.80E+00	2.17E+00	6.58E+00	9.68E-01	2.08E-01	9.92E+00
2819	490297.07	3859500.42	10.8048	8.82317	4.5852	2.8736	1.77E+00	6.84E+00	8.89E-01	2.12E-01	9.71E+00	1.74E+00	2.96E-04	9.75E-03	6.19E-03	1.76E+00	2.11E+00	6.84E+00	8.89E-01	2.12E-01	1.01E+01
2820	490327.07	3859500.42	10.6771	8.70809	4.9011	2.83658	1.75E+00	6.75E+00	9.50E-01	2.09E-01	9.66E+00	1.72E+00	2.93E-04	1.04E-02	6.11E-03	1.74E+00	2.09E+00	6.76E+00	9.50E-01	2.09E-01	1.00E+01
2821	490297.07	3859530.42	10.6986	8.96033	4.0754	2.88736	1.75E+00	6.95E+00	7.90E-01	2.13E-01	9.70E+00	1.72E+00	3.01E-04	8.66E-03	6.22E-03	1.74E+00	2.09E+00	6.95E+00	7.90E-01	2.13E-01	1.00E+01
2822	490327.07	3859530.42	10.7147	8.82642	4.294	2.85998	1.75E+00	6.85E+00	8.33E-01	2.11E-01	9.64E+00	1.73E+00	2.96E-04	9.13E-03	6.16E-03	1.74E+00	2.10E+00	6.85E+00	8.33E-01	2.11E-01	9.99E+00
2823	490319.73	3859055.34	12.3082	6.73792	8.4075	2.68782	2.01E+00	5.23E+00	1.63E+00	1.98E-01	9.07E+00	1.98E+00	2.26E-04	1.79E-02	5.79E-03	2.01E+00	2.41E+00	5.23E+00	1.63E+00	1.98E-01	9.46E+00
2824	490319.73	3859105.34	12.4607	6.90394	7.4229	2.6614	2.04E+00	5.36E+00	1.44E+00	1.96E-01	9.03E+00	2.01E+00	2.32E-04	1.58E-02	5.73E-03	2.03E+00	2.44E+00	5.36E+00	1.44E+00	1.96E-01	9.43E+00
2825	490069.73	3859155.34	12.8809	8.43399	6.929	2.72574	2.11E+00	6.54E+00	1.34E+00	2.01E-01	1.02E+01	2.08E+00	2.83E-04	1.47E-02	5.87E-03	2.10E+00	2.52E+00	6.54E+00	1.34E+00	2.01E-01	1.06E+01
2826	490119.73	3859155.34	12.8958	8.21184	6.6436	2.70792	2.11E+00	6.37E+00	1.29E+00	1.99E-01	9.97E+00	2.08E+00	2.76E-04	1.41E-02	5.83E-03	2.10E+00	2.52E+00	6.37E+00	1.29E+00	1.99E-01	1.04E+01
2827	490269.73	3859155.34	12.4778	7.56589	6.2538	2.6276	2.04E+00	5.87E+00	1.21E+00	1.93E-01	9.32E+00	2.01E+00	2.54E-04	1.33E-02	5.66E-03	2.03E+00	2.44E+00	5.87E+00	1.21E+00	1.93E-01	9.72E+00
2828	490319.73	3859155.34	12.3692	7.08279	6.448	2.63628	2.02E+00	5.49E+00	1.25E+00	1.94E-01	8.96E+00	1.99E+00	2.38E-04	1.37E-02	5.68E-03	2.01E+00	2.42E+00	5.49E+00	1.25E+00	1.94E-01	9.36E+00
2829	490069.73	3859205.34	12.487	8.70433	6.6703	2.60227	2.04E+00	6.75E+00	1.29E+00	1.92E-01	1.03E+01	2.01E+00	2.92E-04	1.42E-02	5.60E-03	2.03E+00	2.44E+00	6.75E+00	1.29E+00	1.92E-01	1.07E+01
2830	490119.73	3859205.34	12.5596	8.59219	6.7334	2.57112	2.05E+00	6.66E+00	1.31E+00	1.89E-01	1.02E+01	2.02E+00	2.89E-04	1.43E-02	5.53E-03	2.04E+00	2.46E+00	6.67E+00	1.31E+00	1.89E-01	1.06E+01
2831	490169.73	3859205.34	12.7048	8.3619	6.3028	2.57049	2.08E+00	6.49E+00	1.22E+00	1.89E-01	9.98E+00	2.05E+00	2.81E-04	1.34E-02	5.53E-03	2.07E+00	2.49E+00	6.49E+00	1.22E+00	1.89E-01	1.04E+01
2832	490219.73	3859205.34	12.6452	7.98189	6.1403	2.56986	2.07E+00	6.19E+00	1.19E+00	1.89E-01	9.64E+00	2.04E+00	2.68E-04	1.31E-02	5.53E-03	2.06E+00	2.47E+00	6.19E+00	1.19E+00	1.89E-01	1.00E+01
2833	490269.73	3859205.34	12.1726	7.44383	5.9529	2.6082	1.99E+00	5.77E+00	1.15E+00	1.92E-01	9.11E+00	1.96E+00	2.50E-04	1.27E-02	5.61E-03	1.98E+00	2.38E+00	5.77E+00	1.15E+00	1.92E-01	9.50E+00
2834	490319.73	3859205.34	12.2361	7.12485	5.7455	2.62879	2.00E+00	5.53E+00	1.11E+00	1.94E-01	8.84E+00	1.97E+00	2.39E-04	1.22E-02	5.66E-03	1.99E+00	2.39E+00	5.53E+00	1.11E+00	1.94E-01	9.23E+00
2835	490069.73	3859255.34	12.0781	8.87045	6.0982	2.51691	1.98E+00	6.88E+00	1.18E+00	1.85E-01	1.02E+01	1.95E+00	2.98E-04	1.30E-02	5.42E-03	1.96E+00	2.36E+00	6.88E+00	1.18E+00	1.85E-01	1.06E+01
2836	490119.73	3859255.34	12.1678	8.74564	6.3063	2.55206	1.99E+00	6.78E+00	1.22E+00	1.88E-01	1.02E+01	1.96E+00	2.94E-04	1.34E-02	5.49E-03	1.98E+00	2.38E+00	6.78E+00	1.22E+00	1.88E-01	1.06E+01
2837	490169.73	3859255.34	12.2664	8.53763	6.3003	2.57474	2.01E+00	6.62E+00	1.22E+00	1.90E-01	1.00E+01	1.98E+00	2.87E-04	1.34E-02	5.54E-03	2.00E+00	2.40E+00	6.62E+00	1.22E+00	1.90E-01	1.04E+01
2838	490219.73	3859255.34	12.4402	8.18265	6.3153	2.575	2.03E+00	6.35E+00	1.22E+00	1.90E-01	9.80E+00	2.00E+00	2.75E-04	1.34E-02	5.54E-03	2.02E+00	2.43E+00	6.35E+00	1.22E+00	1.90E-01	1.02E+01
2839	490269.73	3859255.34	12.4132	7.72374	5.921	2.62851	2.03E+00	5.99E+00	1.15E+00	1.94E-01	9.36E+00	2.00E+00	2.59E-04	1.26E-02	5.66E-03	2.02E+00	2.43E+00	5.99E+00	1.15E+00	1.94E-01	9.76E+00
2840	490319.73	3859255.34	12.251	7.37046	5.7552	2.69123	2.00E+00	5.72E+00	1.12E+00	1.98E-01	9.04E+00	1.97E+00	2.48E-04	1.22E-02	5.79E-03	1.99E+00	2.40E+00	5.72E+00	1.12E+00	1.98E-01	9.43E+00
2841	490069.73	3859305.34	11.5229	9.00007	6.0203	2.56977	1.88E+00	6.98E+00	1.17E+00	1.89E-01	1.02E+01	1.86E+00	3.02E-04	1.28E-02	5.53E-03	1.88E+00	2.25E+00	6.98E+00	1.17E+00	1.89E-01	1.06E+01
2842	490119.73	3859305.34	11.853	8.79792	5.8113	2.54193	1.94E+00	6.82E+00	1.13E+00	1.87E-01	1.01E+01	1.91E+00	2.96E-04	1.24E-02	5.47E-03	1.93E+00	2.32E+00	6.82E+00	1.13E+00	1.87E-01	1.05E+01
2843	490169.73	3859305.34	11.8449	8.56701	5.9178	2.57113	1.94E+00	6.65E+00	1.15E+00	1.89E-01	9.92E+00	1.91E+00	2.88E-04	1.26E-02	5.54E-03	1.93E+00	2.32E+00	6.65E+00	1.15E+00	1.89E-01	1.03E+01
2844	490219.73	3859305.34	12.0388	8.26174	5.8389	2.60135	1.97E+00	6.41E+00	1.13E+00	1.92E-01	9.70E+00	1.94E+00	2.78E-04	1.24E-02	5.60E-03	1.96E+00	2.36E+00	6.41E+00	1.13E+00	1.92E-01	1.01E+01
2845	490269.73	3859305.34	12.1434	7.94484	5.9412	2.6518	1.99E+00	6.16E+00	1.15E+00	1.95E-01	9.50E+00	1.96E+00	2.67E-04	1.26E-02	5.71E-03	1.98E+00	2.38E+00	6.16E+00	1.15E+00	1.95E-01	9.89E+00
2846	490319.73	3859305.34	12.3021	7.53827	5.8179	2.68217	2.01E+00	5.85E+00	1.13E+00	1.97E-01	9.19E+00	1.98E+00	2.53E-04	1.24E-02	5.77E-03	2.00E+00	2.41E+00	5.85E+00	1.13E+00	1.97E-01	9.58E+00
2847	490069.73	3859355.34	11.4977	9.18548	5.3289	2.66854	1.88E+00	7.13E+00	1.03E+00	1.96E-01	1.02E+01	1.85E+00	3.09E-04	1.13E-02	5.74E-03	1.87E+00	2.25E+00	7.13E+00	1.03E+00	1.96E-01	1.06E+01
2848	490119.73	3859355.34	11.3199	9.06628	5.7115	2.67018	1.85E+00	7.03E+00	1.11E+00	1.97E-01	1.02E+01	1.82E+00	3.05E-04	1.21E-02	5.75E-03	1.84E+00	2.22E+00	7.03E+00	1.11E+00	1.97E-01	1.06E+01
2849	490169.73	3859355.34	11.5143	8.85061	5.6703	2.66477	1.88E+00	6.87E+00	1.10E+00	1.96E-01	1.00E+01	1.86E+00	2.97E-04	1.21E-02	5.74E-03	1.87E+00	2.25E+00	6.87E+00	1.10E+00	1.96E-01	1.04E+01
2850	490219.73	3859355.34	11.6113	8.52482	5.4772	2.65459	1.90E+00	6.61E+00	1.06E+00	1.95E-01	9.77E+00	1.87E+00	2.86E-04	1.16E-02	5.71E-03	1.89E+00	2.27E+00	6.61E+00	1.06E+00	1.95E-01	1.01E+01
2851	490269.73	3859355.34	11.8175	8.2567	5.5339	2.6367	1.93E+00	6.40E+00	1.07E+00	1.94E-01	9.60E+00	1.90E+00	2.77E-04	1.18E-02	5.68E-03	1.92E+00	2.31E+00	6.41E+00	1.07E+00	1.94E-01	9.98E+00
2852	490319.73	3859355.34	11.9272	7.87925	5.4921	2.63785	1.95E+00	6.11E+00	1.06E+00	1.94E-01	9.32E+00	1.92E+00	2.65E-04	1.17E-02	5.68E-03	1.94E+00	2.33E+00	6.11E+00	1.06E+00	1.94E-01	9.71E+00
2853	490069.73	3859405.34	10.9911	9.41386	4.7794	2.71121	1.80E+00	7.30E+00	9.27E-01	2.00E-01	1.02E+01	1.77E+00	3.16E-04	1.02E-02	5.84E-03	1.79E+00	2.15E+00	7.30E+00	9.27E-01	2.00E-01	1.06E+01
2854	490119.73	3859405.34	11.3758	9.24394	4.7587	2.73509	1.86E+00	7.17E+00	9.23E-01	2.01E-01	1.02E+01	1.83E+00	3.11E-04	1.01E-02	5.89E-03	1.85E+00	2.23E+00	7.17E+00	9.23E-01	2.01E-01	1.05E+01
2855	490169.73	3859405.34	11.2594	9.00292	5.3284	2.71038	1.84E+00	6.98E+00	1.03E+00	2.00E-01	1.01E+01	1.81E+00	3.02E-04	1.13E-02	5.83E-03	1.83E+00	2.20E+00	6.98E+00	1.03E+00	2.00E-01	1.04E+01
2856	490219.73	3859405.34	11.2069	8.72104	5.3918	2.71567	1.83E+00	6.76E+00	1.05E+00	2.00E-01	9.84E+00	1.81E+00	2.93E-04	1.15E-02	5.85E-03	1.82E+00	2.19E+00	6.77E+00	1.05E+00	2.00E-01	1.02E+01
2857	490269.73	3859405.34	11.3867	8.41378	5.3376	2.73495	1.86E+00	6.53E+00	1.03E+00	2.01E-01	9.63E+00	1.83E+00	2.83E-04	1.13E-02	5.89E-03	1.85E+00	2.23E+00	6.53E+00	1.03E+00	2.01E-01	9.99E+00
2858	490319.73	3859405.34	11.5275	8.12729	5.2328	2.75428	1.89E+00	6.30E+00	1.01E+00	2.03E-01	9.41E+00	1.86E+00	2.73E-04	1.11E-02	5.93E-03	1.87E+00	2.26E+00	6.30E+00	1.01E+00	2.03E-01	9.78E+00
2859	490161.89	3859541.83	10.9863	9.66823	3.9354	2.9465	1.80E+00	7.50E+00	7.63E-01	2.17E-01	1.03E+01	1.77E+00	3.25E-04	8.37E-03	6.34E-03	1.79E+00	2.15E+00	7.50E+00	7.63E-01	2.17E-01	1.06E+01
2860	490171.89	3859541.83	10.9109	9.61239	3.9803	2.94419	1.78E+00	7.46E+00	7.72E-01	2.17E-01	1.02E+01	1.76E+00	3.23E-04	8.46E-03	6.34E-03	1.77E+00	2.14E+00	7.46E+00	7.72E-01	2.17E-01	1.06E+01
2861	490161.89	3859551.83	11.0151	9.73219	3.8743	2.97441	1.80E+00	7.55E+00	7.51E-01	2.19E-01	1.03E+01	1.77E+00	3.27E-04	8.24E-03	6.40E-03	1.79E+00	2.16E+00	7.55E+00	7.51E-01	2.19E-01	1.07E+01
2862	490171.89	3859551.83	10.9644	9.67964	3.8824	2.97033	1.79E+00	7.51E+00	7.53E-01	2.19E-01	1.03E+01	1.77E+00	3.25E-04	8.25E-03	6.39E-03	1.78E+00	2.15E+00	7.51E+00	7.53E-01	2.19E-01	1.06E+01
2863	489799.72	3859348.21	11.7255	10.3657	4.547	2.69358	1.92E+00	8.04E+00	8.82E-01	1.98E-01	1.10E+01	1.89E+00	3.48E-04	9.67E-03	5.80E-03	1.91E+00	2.29E+00	8.04E+00	8.82E-01	1.98E-01	1.14E+01

2864	489819.72	3859348.21	11.7741	10.2533	4.6571	2.69007	1.93E+00	7.95E+00	9.03E-01	1.98E-01	1.10E+01	1.90E+00	3.44E-04	9.90E-03	5.79E-03	1.91E+00	2.30E+00	7.95E+00	9.03E-01	1.98E-01	1.14E+01
2865	489799.72	3859368.21	11.9005	10.4868	4.4871	2.7028	1.95E+00	8.13E+00	8.70E-01	1.99E-01	1.12E+01	1.92E+00	3.52E-04	9.54E-03	5.82E-03	1.93E+00	2.33E+00	8.14E+00	8.70E-01	1.99E-01	1.15E+01
2866	489819.72	3859368.21	11.6895	10.3556	4.4675	2.67499	1.91E+00	8.03E+00	8.66E-01	1.97E-01	1.10E+01	1.88E+00	3.48E-04	9.50E-03	5.76E-03	1.90E+00	2.29E+00	8.03E+00	8.66E-01	1.97E-01	1.14E+01
2867	489775.41	3859329.72	11.7965	10.4099	4.6355	2.75756	1.93E+00	8.07E+00	8.99E-01	2.03E-01	1.11E+01	1.90E+00	3.50E-04	9.86E-03	5.94E-03	1.92E+00	2.31E+00	8.08E+00	8.99E-01	2.03E-01	1.15E+01
2868	489795.41	3859329.72	11.7993	10.3139	4.7665	2.72461	1.93E+00	8.00E+00	9.24E-01	2.01E-01	1.11E+01	1.90E+00	3.46E-04	1.01E-02	5.87E-03	1.92E+00	2.31E+00	8.00E+00	9.24E-01	2.01E-01	1.14E+01
2869	489775.41	3859349.72	11.9838	10.546	4.5599	2.70082	1.96E+00	8.18E+00	8.84E-01	1.99E-01	1.12E+01	1.93E+00	3.54E-04	9.70E-03	5.81E-03	1.95E+00	2.34E+00	8.18E+00	8.84E-01	1.99E-01	1.16E+01
2870	489795.41	3859349.72	11.7735	10.4065	4.5419	2.69095	1.93E+00	8.07E+00	8.81E-01	1.98E-01	1.11E+01	1.90E+00	3.50E-04	9.66E-03	5.79E-03	1.91E+00	2.30E+00	8.07E+00	8.81E-01	1.98E-01	1.15E+01
2871	489595.05	3859219.43	12.2627	11.1155	5.1595	2.93064	2.01E+00	8.62E+00	1.00E+00	2.16E-01	1.18E+01	1.98E+00	3.73E-04	1.10E-02	6.31E-03	1.99E+00	2.40E+00	8.62E+00	1.00E+00	2.16E-01	1.22E+01
2872	489615.05	3859219.43	12.2909	10.9502	5.2378	2.90421	2.01E+00	8.49E+00	1.02E+00	2.14E-01	1.17E+01	1.98E+00	3.68E-04	1.11E-02	6.25E-03	2.00E+00	2.41E+00	8.49E+00	1.02E+00	2.14E-01	1.21E+01
2873	489595.05	3859239.43	12.3289	11.2268	5.0616	2.95777	2.02E+00	8.71E+00	9.81E-01	2.18E-01	1.19E+01	1.99E+00	3.77E-04	1.08E-02	6.37E-03	2.00E+00	2.41E+00	8.71E+00	9.81E-01	2.18E-01	1.23E+01
2874	489615.05	3859239.43	12.2603	11.078	5.1047	2.9474	2.01E+00	8.59E+00	9.90E-01	2.17E-01	1.18E+01	1.98E+00	3.72E-04	1.09E-02	6.35E-03	1.99E+00	2.40E+00	8.59E+00	9.90E-01	2.17E-01	1.22E+01
2875	489372.4	3859092.58	12.266	11.7955	5.8857	2.7945	2.01E+00	9.15E+00	1.14E+00	2.06E-01	1.25E+01	1.98E+00	3.96E-04	1.25E-02	6.02E-03	2.00E+00	2.40E+00	9.15E+00	1.14E+00	2.06E-01	1.29E+01
2876	489422.4	3859092.58	11.9348	11.4545	5.6204	2.77976	1.95E+00	8.89E+00	1.09E+00	2.05E-01	1.21E+01	1.92E+00	3.85E-04	1.20E-02	5.98E-03	1.94E+00	2.34E+00	8.89E+00	1.09E+00	2.05E-01	1.25E+01
2877	489372.4	3859142.58	13.0878	12.0249	5.6452	2.87444	2.14E+00	9.33E+00	1.09E+00	2.12E-01	1.28E+01	2.11E+00	4.04E-04	1.20E-02	6.19E-03	2.13E+00	2.56E+00	9.33E+00	1.09E+00	2.12E-01	1.32E+01
2878	489422.4	3859142.58	12.5163	11.6835	5.535	2.7593	2.05E+00	9.06E+00	1.07E+00	2.03E-01	1.24E+01	2.02E+00	3.92E-04	1.18E-02	5.94E-03	2.03E+00	2.45E+00	9.06E+00	1.07E+00	2.03E-01	1.28E+01
2879	488870.84	3858666.64	15.3168	10.8305	13.32	2.4769	2.51E+00	8.40E+00	2.58E+00	1.82E-01	1.37E+01	2.47E+00	3.64E-04	2.83E-02	5.33E-03	2.50E+00	3.00E+00	8.40E+00	2.58E+00	1.82E-01	1.42E+01
2880	488900.84	3858666.64	13.9655	10.673	13.063	2.64271	2.28E+00	8.28E+00	2.53E+00	1.95E-01	1.33E+01	2.25E+00	3.59E-04	2.78E-02	5.69E-03	2.28E+00	2.73E+00	8.28E+00	2.53E+00	1.95E-01	1.37E+01
2881	488870.84	3858696.64	15.9798	11.303	12.157	2.73366	2.61E+00	8.77E+00	2.36E+00	2.01E-01	1.39E+01	2.57E+00	3.80E-04	2.58E-02	5.88E-03	2.61E+00	3.13E+00	8.77E+00	2.36E+00	2.01E-01	1.45E+01
2882	488900.84	3858696.64	15.1581	11.0564	12.408	2.67307	2.48E+00	8.58E+00	2.41E+00	1.97E-01	1.37E+01	2.44E+00	3.71E-04	2.64E-02	5.75E-03	2.47E+00	2.97E+00	8.58E+00	2.41E+00	1.97E-01	1.41E+01
2883	488889.67	3858683.97	15.1896	10.9484	12.746	2.68035	2.48E+00	8.49E+00	2.47E+00	1.97E-01	1.36E+01	2.45E+00	3.68E-04	2.71E-02	5.77E-03	2.48E+00	2.97E+00	8.49E+00	2.47E+00	1.97E-01	1.41E+01
2884	488919.67	3858683.97	13.8604	10.7814	12.517	2.61528	2.27E+00	8.36E+00	2.43E+00	1.93E-01	1.32E+01	2.23E+00	3.62E-04	2.66E-02	5.63E-03	2.27E+00	2.71E+00	8.36E+00	2.43E+00	1.93E-01	1.37E+01
2885	488889.67	3858713.97	15.9063	11.3472	11.591	2.7327	2.60E+00	8.80E+00	2.25E+00	2.01E-01	1.39E+01	2.56E+00	3.81E-04	2.46E-02	5.88E-03	2.59E+00	3.11E+00	8.80E+00	2.25E+00	2.01E-01	1.44E+01
2886	488919.67	3858713.97	15.0694	11.2219	11.935	2.69984	2.46E+00	8.70E+00	2.31E+00	1.99E-01	1.37E+01	2.43E+00	3.77E-04	2.54E-02	5.81E-03	2.46E+00	2.95E+00	8.71E+00	2.31E+00	1.99E-01	1.42E+01
2887	488906.61	3858703.33	15.1532	11.114	12.28	2.70444	2.48E+00	8.62E+00	2.38E+00	1.99E-01	1.37E+01	2.44E+00	3.73E-04	2.61E-02	5.82E-03	2.47E+00	2.97E+00	8.62E+00	2.38E+00	1.99E-01	1.42E+01
2888	488936.61	3858703.33	13.9719	10.9644	11.92	2.66531	2.29E+00	8.51E+00	2.31E+00	1.96E-01	1.33E+01	2.25E+00	3.68E-04	2.53E-02	5.74E-03	2.28E+00	2.73E+00	8.51E+00	2.31E+00	1.96E-01	1.37E+01
2889	488906.61	3858733.33	15.9136	11.5502	10.938	2.72242	2.60E+00	8.96E+00	2.12E+00	2.00E-01	1.39E+01	2.56E+00	3.88E-04	2.33E-02	5.86E-03	2.59E+00	3.11E+00	8.96E+00	2.12E+00	2.00E-01	1.44E+01
2890	488936.61	3858733.33	15.0929	11.4105	11.486	2.69032	2.47E+00	8.85E+00	2.23E+00	1.98E-01	1.37E+01	2.43E+00	3.83E-04	2.44E-02	5.79E-03	2.46E+00	2.95E+00	8.85E+00	2.23E+00	1.98E-01	1.42E+01
2891	488637.63	3858467.85	16.814	9.4033	20.904	3.02326	2.75E+00	7.29E+00	4.05E+00	2.23E-01	1.43E+01	2.71E+00	3.16E-04	4.44E-02	6.51E-03	2.76E+00	3.29E+00	7.29E+00	4.05E+00	2.23E-01	1.49E+01
2892	488662.63	3858467.85	16.1454	9.44418	22.023	3.04764	2.64E+00	7.33E+00	4.27E+00	2.24E-01	1.45E+01	2.60E+00	3.17E-04	4.68E-02	6.56E-03	2.66E+00	3.16E+00	7.33E+00	4.27E+00	2.24E-01	1.50E+01
2893	488637.63	3858492.85	17.0049	9.73802	19.366	3.06751	2.78E+00	7.55E+00	3.76E+00	2.26E-01	1.43E+01	2.74E+00	3.27E-04	4.12E-02	6.60E-03	2.79E+00	3.33E+00	7.55E+00	3.76E+00	2.26E-01	1.49E+01
2894	488662.63	3858492.85	16.672	9.70688	19.115	3.02189	2.73E+00	7.53E+00	3.71E+00	2.22E-01	1.42E+01	2.69E+00	3.26E-04	4.06E-02	6.51E-03	2.73E+00	3.26E+00	7.53E+00	3.71E+00	2.22E-01	1.47E+01
2895	488687.63	3858492.85	16.1173	9.70159	20.659	2.94665	2.64E+00	7.53E+00	4.01E+00	2.17E-01	1.44E+01	2.60E+00	3.26E-04	4.39E-02	6.34E-03	2.65E+00	3.15E+00	7.53E+00	4.01E+00	2.17E-01	1.49E+01
2896	488637.63	3858517.85	17.1694	10.0956	16.884	3.04657	2.81E+00	7.83E+00	3.27E+00	2.24E-01	1.41E+01	2.77E+00	3.39E-04	3.59E-02	6.56E-03	2.81E+00	3.36E+00	7.83E+00	3.27E+00	2.24E-01	1.47E+01
2897	488662.63	3858517.85	16.9187	10.0401	17.647	3.02052	2.77E+00	7.79E+00	3.42E+00	2.22E-01	1.42E+01	2.73E+00	3.37E-04	3.75E-02	6.50E-03	2.77E+00	3.31E+00	7.79E+00	3.42E+00	2.22E-01	1.47E+01
2898	488687.63	3858517.85	16.5281	10.0483	18.184	2.96047	2.70E+00	7.79E+00	3.53E+00	2.18E-01	1.42E+01	2.66E+00	3.38E-04	3.87E-02	6.37E-03	2.71E+00	3.23E+00	7.79E+00	3.53E+00	2.18E-01	1.48E+01
2899	488194.42	3857168.98	23.7273	4.12584	7.6451	2.51954	3.88E+00	3.20E+00	1.48E+00	1.85E-01	8.75E+00	3.82E+00	1.39E-04	1.63E-02	5.42E-03	3.85E+00	4.64E+00	3.20E+00	1.48E+00	1.85E-01	9.51E+00
2900	488244.42	3857168.98	23.0543	4.1909	8.0337	2.4695	3.77E+00	3.25E+00	1.56E+00	1.82E-01	8.76E+00	3.71E+00	1.41E-04	1.71E-02	5.32E-03	3.74E+00	4.51E+00	3.25E+00	1.56E+00	1.82E-01	9.50E+00
2901	488294.42	3857168.98	22.4461	4.27138	8.6989	2.47177	3.67E+00	3.31E+00	1.69E+00	1.82E-01	8.85E+00	3.62E+00	1.43E-04	1.85E-02	5.32E-03	3.64E+00	4.39E+00	3.31E+00	1.69E+00	1.82E-01	9.57E+00
2902	488244.42	3857218.98	23.7623	4.30944	8.9921	2.5519	3.89E+00	3.34E+00	1.74E+00	1.88E-01	9.16E+00	3.83E+00	1.45E-04	1.91E-02	5.49E-03	3.85E+00	4.65E+00	3.34E+00	1.74E+00	1.88E-01	9.92E+00
2903	488294.42	3857218.98	23.0691	4.36789	9.294	2.54597	3.77E+00	3.39E+00	1.80E+00	1.87E-01	9.15E+00	3.72E+00	1.47E-04	1.98E-02	5.48E-03	3.74E+00	4.51E+00	3.39E+00	1.80E+00	1.87E-01	9.89E+00
2904	488294.42	3857268.98	23.6116	4.4646	9.7621	2.56831	3.86E+00	3.46E+00	1.89E+00	1.89E-01	9.41E+00	3.80E+00	1.50E-04	2.08E-02	5.53E-03	3.83E+00	4.62E+00	3.46E+00	1.89E+00	1.89E-01	1.02E+01
2905	488139.13	3857111.68	23.7489	3.98953	6.3963	2.79769	3.88E+00	3.09E+00	1.24E+00	2.06E-01	8.43E+00	3.83E+00	1.34E-04	1.36E-02	6.02E-03	3.85E+00	4.65E+00	3.09E+00	1.24E+00	2.06E-01	9.19E+00
2906	488189.13	3857111.68	23.0589	4.13156	7.1325	2.67675	3.77E+00	3.20E+00	1.38E+00	1.97E-01	8.56E+00	3.72E+00	1.39E-04	1.52E-02	5.76E-03	3.74E+00	4.51E+00	3.21E+00	1.38E+00	1.97E-01	9.30E+00
2907	488189.13	3857161.68	23.694	4.11279	7.57	2.53053	3.88E+00	3.19E+00	1.47E+00	1.86E-01	8.72E+00	3.82E+00	1.38E-04	1.61E-02	5.45E-03	3.84E+00	4.64E+00	3.19E+00	1.47E+00	1.86E-01	9.48E+00
2908	487951.04	3856961.26	24.3277	3.75077	5.1525	2.86679	3.98E+00	2.91E+00	9.99E-01	2.11E-01	8.10E+00	3.92E+00	1.26E-04	1.10E-02	6.17E-03	3.94E+00	4.76E+00	2.91E+00	9.99E-01	2.11E-01	8.88E+00
2909	488001.04	3856961.26	23.6608	3.79848	5.9445	2.81821	3.87E+00	2.95E+00	1.15E+00	2.07E-01	8.18E+00	3.81E+00	1.28E-04	1.26E-02	6.07E-03	3.83E+00	4.63E+00	2.95E+00	1.15E+00	2.07E-01	8.94E+00
2910	488051.04	3856961.26	23.0745	3.76165	5.1467	2.80074	3.77E+00	2.92E+00	9.98E-01	2.06E-01	7.90E+00	3.72E+00	1.26E-04	1.09E-02	6.03E-03	3.74E+00	4.52E+00	2.92E+00	9.98E-01	2.06E-01	8.64E+00
2911	488101.04	3856961.26	22.3807	3.88065	4.9469	2.80745	3.66E+00	3.01E+00	9.59E-01	2.07E-01	7.84E+00	3.61E+00	1.30E-04	1.05E-02	6.04E-03	3.62E+00	4.38E+00	3.01E+00	9.59E-01	2.07E-01	8.56E+00
2912	487951.04	3857011.26	25.0427	3.87902	5.3741	2.81658	4.10E+00	3.01E+00	1.04E+00	2.07E-01	8.35E+00	4.04E+00	1.30E-04	1.14E-02	6.06E-03	4.05E+00	4.90E+00	3.01E+00	1.04E+00	2.07E-01	9.16E+00
2913	488001.04	3857011.26	24.4044	3.82128	6.3791	2.78113	3.99E+00	2.96E+00	1.24E+00	2.05E-01	8.40E+00	3.93E+00	1.28E-04	1.36E-02	5.99E-03	3.95E+00	4.78E+00	2.96E+00	1.24E+00	2.05E-01	9.18E+00
2914	488051.04	3857011.26	23.8144	3.81332	5.315	2.75976	3.90E+00	2.96E+00	1.03E+00	2.03E-01	8.09E+00	3.84E+00	1.28E-04	1.13E-02	5.94E-03	3.85E+00	4.66E+00	2.96E+00	1.03E+00	2.03E-01	8.85E+00
2915	488101.04	3857011.26	23.0551	3.93752	5.0846	2.77033	3.77E+00	3.05E+00	9.86E-01	2.04E-01	8.02E+00	3.71E+00	1.32E-04	1.08E-02	5.96E-03	3.73E+00	4.51E+00	3.05E+00	9.86E-01	2.04E-01	8.76E+00
2916	488001.04	3857061.26	24.8324	3.87827	6.5848	2.73417	4.06E+00	3.01E+00	1.28E+00	2.01E-01	8.55E+00	4.00E+00	1.30E-04	1.40E-02	5.89E-03	4.02E+00	4.86E+00	3.01E+00	1.28E+00	2.01E-01	9.35E+00
2917	488051.04	3857061.26	24.2373	3.94367	5.4921	2.79463	3.96E+00	3.06E+00	1.06E+00	2.06E-01	8.29E+00	3.91E+00	1.32E-04	1.17E-02	6.02E-03	3.92E+00	4.74E+00	3.06E+00	1.06E+00	2.06E-01	9.07E+00
2918	488101.04	3857061.26	23.6228	4.00199	5.3018	2.77012	3.86E+00	3.10E+00	1.03E+00	2.04E-01	8.20E+00	3.81E+00	1.34E-04	1.13E-02	5.96E-03	3.82E+00	4.62E+00	3.10E+00	1.03E+00	2.04E-01	8.96E+00
2919	487638.98	3856673.79	24.5879	2.76766	3.2425	3.10623	4.02E+00	2.15E+00	6.29E-01	2.29E-01	7.03E+00	3.96E+00	9.30E-05	6.89E-03	6.69E-03	3.98E+00	4.81E+00	2.15E+00	6.29E-01	2.29E-01	7.82E+00
2920	487688.98	3856673.79	23.9731	2.8681	3.6209	3.13108	3.92E+00	2.22E+00	7.02E-01	2.31E-01	7.08E+00	3.86E+00	9.63E-05	7.70E-03	6.74E-03	3.88E+00	4.69E+00	2.22E+00	7.02E-01	2.31E-01	7.85E+00
2921	487638.98	3856723.79	25.4063	2.8779	3.0804	3.09129	4.16E+00	2.23E+00	5.97E-01	2.28E-01	7.21E+00	4.09E+00	9.67E-05	6.55E-03	6.65E-03	4.11E+00	4.97E+00	2.23E+00	5.97E-01	2.28E-01	8.03E+00
2922	487688.98	3856723.79	24.7801	2.97302	3.6634	3.13666	4.05E+00	2.31E+00	7.10E-01	2.31E-01	7.30E+00	3.99E+00	9.99E-05	7.79E-03	6.75E-03	4.01E+00	4.85E+00	2.31E+00	7.10E-01	2.31E-01	8.10E+00
2923	486324.61	3855740.57	19.7067	1.43001	1.0964	4.31832	3.22E+00	1.11E+00	2.13E-01	3.18E-01	4.86E+00	3.18E+00	4.80E-05	2.33E-03	9.30E-03	3.19E+00	3.86E+00	1.11E+00	2.13E-01	3.18E-01	5.50E+00
2924	486374.61	3855740.57	17.572	1.32378	1.0902	4.26349	2.87E+00	1.03E+00	2.11E-01	3.14E-01	4.43E+00	2.83E+00	4.45E-05	2.32E-03	9.18E-03	2.84E+00	3.44E+00	1.03E+00	2.11E-01	3.14E-01	4.99E+00

2925	486424.61	3855740.57	16.7719	1.29094	1.0655	4.35626	2.74E+00	1.00E+00	2.07E-01	3.21E-01	4.27E+00	2.70E+00	4.34E-05	2.27E-03	9.38E-03	2.71E+00	3.28E+00	1.00E+00	2.07E-01	3.21E-01	4.81E+00
2926	486324.61	3855790.57	20.6011	1.4643	1.083	4.62636	3.37E+00	1.14E+00	2.10E-01	3.41E-01	5.06E+00	3.32E+00	4.92E-05	2.30E-03	9.96E-03	3.33E+00	4.03E+00	1.14E+00	2.10E-01	3.41E-01	5.72E+00
2927	486374.61	3855790.57	18.7004	1.36288	1.116	4.73165	3.06E+00	1.06E+00	2.16E-01	3.48E-01	4.68E+00	3.01E+00	4.58E-05	2.37E-03	1.02E-02	3.03E+00	3.66E+00	1.06E+00	2.16E-01	3.48E-01	5.28E+00
2928	486424.61	3855790.57	18.3458	1.34501	1.109	4.62297	3.00E+00	1.04E+00	2.15E-01	3.40E-01	4.60E+00	2.96E+00	4.52E-05	2.36E-03	9.95E-03	2.97E+00	3.59E+00	1.04E+00	2.15E-01	3.40E-01	5.19E+00
2929	486324.61	3855840.57	21.4157	1.48222	1.0614	4.91896	3.50E+00	1.15E+00	2.06E-01	3.62E-01	5.22E+00	3.45E+00	4.98E-05	2.26E-03	1.06E-02	3.46E+00	4.19E+00	1.15E+00	2.06E-01	3.62E-01	5.91E+00
2930	486374.61	3855840.57	20.7359	1.44941	1.1264	4.83696	3.39E+00	1.12E+00	2.18E-01	3.56E-01	5.09E+00	3.34E+00	4.87E-05	2.40E-03	1.04E-02	3.35E+00	4.06E+00	1.12E+00	2.18E-01	3.56E-01	5.76E+00
2931	486424.61	3855840.57	19.7797	1.40194	1.1379	4.79508	3.24E+00	1.09E+00	2.21E-01	3.53E-01	4.90E+00	3.19E+00	4.71E-05	2.42E-03	1.03E-02	3.20E+00	3.87E+00	1.09E+00	2.21E-01	3.53E-01	5.53E+00
2932	486324.61	3855890.57	23.6001	1.56515	1.0677	4.87449	3.86E+00	1.21E+00	2.07E-01	3.59E-01	5.64E+00	3.80E+00	5.26E-05	2.27E-03	1.05E-02	3.82E+00	4.62E+00	1.21E+00	2.07E-01	3.59E-01	6.40E+00
2933	486374.61	3855890.57	22.6661	1.53341	1.1063	4.90011	3.71E+00	1.19E+00	2.15E-01	3.61E-01	5.47E+00	3.65E+00	5.15E-05	2.35E-03	1.05E-02	3.67E+00	4.44E+00	1.19E+00	2.15E-01	3.61E-01	6.20E+00
2934	486424.61	3855890.57	21.4962	1.47325	1.1608	4.86082	3.52E+00	1.14E+00	2.25E-01	3.58E-01	5.24E+00	3.46E+00	4.95E-05	2.47E-03	1.05E-02	3.48E+00	4.21E+00	1.14E+00	2.25E-01	3.58E-01	5.93E+00
2935	488735.69	3858285.64	18.0742	8.01543	46.674	2.70532	2.96E+00	6.22E+00	9.05E+00	1.99E-01	1.84E+01	2.91E+00	2.69E-04	9.92E-02	5.82E-03	3.02E+00	3.54E+00	6.22E+00	9.05E+00	1.99E-01	1.90E+01
2936	488765.69	3858285.64	18.3538	7.96771	45.593	2.71641	3.00E+00	6.18E+00	8.84E+00	2.00E-01	1.82E+01	2.96E+00	2.68E-04	9.69E-02	5.85E-03	3.06E+00	3.59E+00	6.18E+00	8.84E+00	2.00E-01	1.88E+01
2937	488735.69	3858315.64	17.7805	8.08784	44.804	2.67289	2.91E+00	6.27E+00	8.69E+00	1.97E-01	1.81E+01	2.87E+00	2.72E-04	9.53E-02	5.75E-03	2.97E+00	3.48E+00	6.27E+00	8.69E+00	1.97E-01	1.86E+01
2938	488765.69	3858315.64	17.9762	8.04801	43.1	2.64821	2.94E+00	6.24E+00	8.36E+00	1.95E-01	1.77E+01	2.90E+00	2.70E-04	9.16E-02	5.70E-03	2.99E+00	3.52E+00	6.24E+00	8.36E+00	1.95E-01	1.83E+01
2939	478676.63	3849871.93	2.80331	2.32927	0.2247	0.258	4.59E-01	1.81E+00	4.36E-02	1.90E-02	2.33E+00	4.52E-01	7.82E-05	4.78E-04	5.55E-04	4.53E-01	5.49E-01	1.81E+00	4.36E-02	1.90E-02	2.42E+00
2940	479326.63	3849871.93	4.90862	1.67248	0.2285	0.30591	8.03E-01	1.30E+00	4.43E-02	2.25E-02	2.17E+00	7.91E-01	5.62E-05	4.86E-04	6.59E-04	7.92E-01	9.61E-01	1.30E+00	4.43E-02	2.25E-02	2.32E+00
2941	479376.63	3849871.93	4.95169	1.66338	0.2307	0.3074	8.10E-01	1.29E+00	4.47E-02	2.26E-02	2.17E+00	7.98E-01	5.59E-05	4.91E-04	6.62E-04	7.99E-01	9.69E-01	1.29E+00	4.47E-02	2.26E-02	2.33E+00
2942	479426.63	3849871.93	5.15883	1.61097	0.231	0.31314	8.44E-01	1.25E+00	4.48E-02	2.31E-02	2.16E+00	8.31E-01	5.41E-05	4.91E-04	6.74E-04	8.32E-01	1.01E+00	1.25E+00	4.48E-02	2.31E-02	2.33E+00
2943	478726.63	3849921.93	2.85877	2.35462	0.226	0.25936	4.68E-01	1.83E+00	4.38E-02	1.91E-02	2.36E+00	4.61E-01	7.91E-05	4.81E-04	5.58E-04	4.62E-01	5.59E-01	1.83E+00	4.38E-02	1.91E-02	2.45E+00
2944	478776.63	3849921.93	2.99791	2.23042	0.2265	0.25867	4.90E-01	1.73E+00	4.39E-02	1.90E-02	2.28E+00	4.83E-01	7.49E-05	4.81E-04	5.57E-04	4.84E-01	5.87E-01	1.73E+00	4.39E-02	1.90E-02	2.38E+00
2945	478826.63	3849921.93	2.97753	2.11732	0.2268	0.25735	4.87E-01	1.64E+00	4.40E-02	1.89E-02	2.19E+00	4.80E-01	7.11E-05	4.82E-04	5.54E-04	4.81E-01	5.83E-01	1.64E+00	4.40E-02	1.89E-02	2.29E+00
2946	478976.63	3849921.93	3.04535	2.01922	0.2266	0.27418	4.98E-01	1.57E+00	4.39E-02	2.02E-02	2.13E+00	4.91E-01	6.78E-05	4.82E-04	5.90E-04	4.92E-01	5.96E-01	1.57E+00	4.39E-02	2.02E-02	2.23E+00
2947	479026.63	3849921.93	3.34433	2.10286	0.2256	0.28251	5.47E-01	1.63E+00	4.37E-02	2.08E-02	2.24E+00	5.39E-01	7.06E-05	4.80E-04	6.08E-04	5.40E-01	6.54E-01	1.63E+00	4.37E-02	2.08E-02	2.35E+00
2948	479076.63	3849921.93	3.76829	2.11024	0.225	0.28902	6.16E-01	1.64E+00	4.36E-02	2.13E-02	2.32E+00	6.07E-01	7.09E-05	4.78E-04	6.22E-04	6.08E-01	7.37E-01	1.64E+00	4.36E-02	2.13E-02	2.44E+00
2949	479126.63	3849921.93	4.19459	2.10169	0.2267	0.29396	6.86E-01	1.63E+00	4.40E-02	2.16E-02	2.38E+00	6.76E-01	7.06E-05	4.82E-04	6.33E-04	6.77E-01	8.21E-01	1.63E+00	4.40E-02	2.16E-02	2.52E+00
2950	479176.63	3849921.93	4.5301	2.08259	0.2286	0.29939	7.41E-01	1.62E+00	4.43E-02	2.20E-02	2.42E+00	7.30E-01	7.00E-05	4.86E-04	6.45E-04	7.31E-01	8.86E-01	1.62E+00	4.43E-02	2.20E-02	2.57E+00
2951	479226.63	3849921.93	4.47067	1.97369	0.2296	0.30483	7.31E-01	1.53E+00	4.45E-02	2.24E-02	2.33E+00	7.20E-01	6.63E-05	4.88E-04	6.56E-04	7.22E-01	8.75E-01	1.53E+00	4.45E-02	2.24E-02	2.47E+00
2952	479276.63	3849921.93	4.76915	1.8307	0.2294	0.30748	7.80E-01	1.42E+00	4.45E-02	2.26E-02	2.27E+00	7.68E-01	6.15E-05	4.88E-04	6.62E-04	7.70E-01	9.33E-01	1.42E+00	4.45E-02	2.26E-02	2.42E+00
2953	479326.63	3849921.93	5.11441	1.89628	0.2296	0.30768	8.37E-01	1.47E+00	4.45E-02	2.27E-02	2.37E+00	8.24E-01	6.37E-05	4.88E-04	6.62E-04	8.25E-01	1.00E+00	1.47E+00	4.45E-02	2.27E-02	2.54E+00
2954	479376.63	3849921.93	5.02394	1.72025	0.2297	0.30834	8.22E-01	1.33E+00	4.45E-02	2.27E-02	2.22E+00	8.10E-01	5.78E-05	4.88E-04	6.64E-04	8.11E-01	9.83E-01	1.33E+00	4.45E-02	2.27E-02	2.38E+00
2955	479426.63	3849921.93	5.08796	1.77213	0.2321	0.31017	8.32E-01	1.37E+00	4.50E-02	2.28E-02	2.27E+00	8.20E-01	5.95E-05	4.94E-04	6.68E-04	8.21E-01	9.96E-01	1.37E+00	4.50E-02	2.28E-02	2.44E+00
2956	478726.63	3849971.93	2.86562	2.46498	0.2283	0.26156	4.69E-01	1.91E+00	4.43E-02	1.93E-02	2.44E+00	4.62E-01	8.28E-05	4.85E-04	5.63E-04	4.63E-01	5.61E-01	1.91E+00	4.43E-02	1.93E-02	2.54E+00
2957	478776.63	3849971.93	2.91211	2.37521	0.2272	0.26074	4.76E-01	1.84E+00	4.41E-02	1.92E-02	2.38E+00	4.69E-01	7.98E-05	4.83E-04	5.61E-04	4.70E-01	5.70E-01	1.84E+00	4.41E-02	1.92E-02	2.48E+00
2958	478826.63	3849971.93	3.02474	2.24605	0.2277	0.26073	4.95E-01	1.74E+00	4.41E-02	1.92E-02	2.30E+00	4.87E-01	7.54E-05	4.84E-04	5.61E-04	4.89E-01	5.92E-01	1.74E+00	4.41E-02	1.92E-02	2.40E+00
2959	478976.63	3849971.93	3.02341	2.05213	0.2292	0.26933	4.95E-01	1.59E+00	4.44E-02	1.98E-02	2.15E+00	4.87E-01	6.89E-05	4.87E-04	5.80E-04	4.88E-01	5.92E-01	1.59E+00	4.44E-02	1.98E-02	2.25E+00
2960	479026.63	3849971.93	3.118	2.11303	0.2285	0.27766	5.10E-01	1.64E+00	4.43E-02	2.04E-02	2.21E+00	5.02E-01	7.10E-05	4.86E-04	5.98E-04	5.04E-01	6.10E-01	1.64E+00	4.43E-02	2.04E-02	2.31E+00
2961	479076.63	3849971.93	3.39541	2.13914	0.2271	0.28611	5.55E-01	1.66E+00	4.40E-02	2.11E-02	2.28E+00	5.47E-01	7.19E-05	4.83E-04	6.16E-04	5.48E-01	6.64E-01	1.66E+00	4.40E-02	2.11E-02	2.39E+00
2962	479126.63	3849971.93	3.86426	2.14254	0.2261	0.29196	6.32E-01	1.66E+00	4.38E-02	2.15E-02	2.36E+00	6.23E-01	7.20E-05	4.81E-04	6.29E-04	6.24E-01	7.56E-01	1.66E+00	4.38E-02	2.15E-02	2.48E+00
2963	479176.63	3849971.93	4.27247	2.14239	0.2279	0.29721	6.99E-01	1.66E+00	4.42E-02	2.19E-02	2.43E+00	6.88E-01	7.20E-05	4.85E-04	6.40E-04	6.90E-01	8.36E-01	1.66E+00	4.42E-02	2.19E-02	2.56E+00
2964	479226.63	3849971.93	4.34621	1.97386	0.2287	0.30259	7.11E-01	1.53E+00	4.44E-02	2.23E-02	2.31E+00	7.00E-01	6.63E-05	4.86E-04	6.51E-04	7.02E-01	8.50E-01	1.53E+00	4.44E-02	2.23E-02	2.45E+00
2965	479276.63	3849971.93	4.56696	2.01456	0.2309	0.30854	7.47E-01	1.56E+00	4.48E-02	2.27E-02	2.38E+00	7.36E-01	6.77E-05	4.91E-04	6.64E-04	7.37E-01	8.94E-01	1.56E+00	4.48E-02	2.27E-02	2.52E+00
2966	479326.63	3849971.93	5.05094	2.06366	0.232	0.30964	8.26E-01	1.60E+00	4.50E-02	2.28E-02	2.49E+00	8.14E-01	6.93E-05	4.93E-04	6.67E-04	8.15E-01	9.88E-01	1.60E+00	4.50E-02	2.28E-02	2.66E+00
2967	479376.63	3849971.93	5.17198	1.85877	0.2306	0.31013	8.46E-01	1.44E+00	4.47E-02	2.28E-02	2.36E+00	8.33E-01	6.24E-05	4.90E-04	6.68E-04	8.35E-01	1.01E+00	1.44E+00	4.47E-02	2.28E-02	2.52E+00
2968	479426.63	3849971.93	5.25702	1.86777	0.2312	0.31081	8.60E-01	1.45E+00	4.48E-02	2.29E-02	2.38E+00	8.47E-01	6.27E-05	4.92E-04	6.69E-04	8.48E-01	1.03E+00	1.45E+00	4.48E-02	2.29E-02	2.55E+00
2969	478726.63	3850021.93	2.74822	2.46622	0.2313	0.26246	4.50E-01	1.91E+00	4.48E-02	1.93E-02	2.43E+00	4.43E-01	8.28E-05	4.92E-04	5.65E-04	4.44E-01	5.38E-01	1.91E+00	4.48E-02	1.93E-02	2.52E+00
2970	478776.63	3850021.93	2.9107	2.50469	0.2302	0.26299	4.76E-01	1.94E+00	4.46E-02	1.94E-02	2.48E+00	4.69E-01	8.41E-05	4.89E-04	5.66E-04	4.70E-01	5.70E-01	1.94E+00	4.46E-02	1.94E-02	2.58E+00
2971	478826.63	3850021.93	2.93713	2.39518	0.2285	0.26215	4.80E-01	1.86E+00	4.43E-02	1.93E-02	2.40E+00	4.73E-01	8.05E-05	4.86E-04	5.64E-04	4.74E-01	5.75E-01	1.86E+00	4.43E-02	1.93E-02	2.50E+00
2972	478976.63	3850021.93	3.02375	2.12001	0.2301	0.26506	4.95E-01	1.64E+00	4.46E-02	1.95E-02	2.20E+00	4.87E-01	7.12E-05	4.89E-04	5.71E-04	4.88E-01	5.92E-01	1.64E+00	4.46E-02	1.95E-02	2.30E+00
2973	478726.63	3850071.93	2.77118	2.44358	0.232	0.26241	4.53E-01	1.90E+00	4.50E-02	1.93E-02	2.41E+00	4.47E-01	8.21E-05	4.93E-04	5.65E-04	4.48E-01	5.42E-01	1.90E+00	4.50E-02	1.93E-02	2.50E+00
2974	478776.63	3850071.93	2.8098	2.51488	0.2326	0.264	4.60E-01	1.95E+00	4.51E-02	1.94E-02	2.47E+00	4.53E-01	8.45E-05	4.94E-04	5.68E-04	4.54E-01	5.50E-01	1.95E+00	4.51E-02	1.94E-02	2.57E+00
2975	478826.63	3850071.93	2.92835	2.54638	0.2322	0.26443	4.79E-01	1.98E+00	4.50E-02	1.95E-02	2.52E+00	4.72E-01	8.55E-05	4.94E-04	5.69E-04	4.73E-01	5.73E-01	1.98E+00	4.50E-02	1.95E-02	2.61E+00
2976	478876.63	3850071.93	2.95599	2.42299	0.2302	0.26382	4.83E-01	1.88E+00	4.46E-02	1.94E-02	2.43E+00	4.76E-01	8.14E-05	4.89E-04	5.68E-04	4.77E-01	5.78E-01	1.88E+00	4.46E-02	1.94E-02	2.52E+00
2977	478976.63	3850071.93	3.19051	2.21956	0.231	0.26463	5.22E-01	1.72E+00	4.48E-02	1.95E-02	2.31E+00	5.14E-01	7.46E-05	4.91E-04	5.70E-04	5.15E-01	6.24E-01	1.72E+00	4.48E-02	1.95E-02	2.41E+00
2978	478726.63	3850121.93	2.76018	2.52649	0.2327	0.26237	4.51E-01	1.96E+00	4.51E-02	1.93E-02	2.48E+00	4.45E-01	8.49E-05	4.95E-04	5.65E-04	4.46E-01	5.40E-01	1.96E+00	4.51E-02	1.93E-02	2.56E+00
2979	478776.63	3850121.93	2.80047	2.49954	0.2333	0.26397	4.58E-01	1.94E+00	4.52E-02	1.94E-02	2.46E+00	4.51E-01	8.40E-05	4.96E-04	5.68E-04	4.52E-01	5.48E-01	1.94E+00	4.52E-02	1.94E-02	2.55E+00
2980	478826.63	3850121.93	2.85507	2.56581	0.2339	0.26557	4.67E-01	1.99E+00	4.54E-02	1.96E-02	2.52E+00	4.60E-01	8.62E-05	4.97E-04	5.72E-04	4.61E-01	5.59E-01	1.99E+00	4.54E-02	1.96E-02	2.61E+00
2981	478876.63	3850121.93	2.93297	2.58257	0.2342	0.2659	4.80E-01	2.00E+00	4.54E-02	1.96E-02	2.55E+00	4.73E-01	8.68E-05	4.98E-04	5.72E-04	4.74E-01	5.74E-01	2.00E+00	4.54E-02	1.96E-02	2.64E+00
2982	478976.63	3850121.93	3.14121	2.33808	0.2319	0.26734	5.14E-01	1.81E+00	4.50E-02	1.97E-02	2.39E+00	5.06E-01	7.85E-05	4.93E-04	5.76E-04	5.07E-01	6.15E-01	1.81E+00	4.50E-02	1.97E-02	2.49E+00
2983	479026.63	3850121.93	3.26046	2.26712	0.2324	0.26696	5.33E-01	1.76E+00	4.51E-02	1.97E-02	2.36E+00	5.25E-01	7.62E-05	4.94E-04	5.75E-04	5.27E-01	6.38E-01	1.76E+00	4.51E-02	1.97E-02	2.46E+00
2984	479076.63	3850121.93	3.07351	2.17748	0.2328	0.27127	5.03E-01	1.69E+00	4.51E-02	2.00E-02	2.26E+00	4.95E-01	7.31E-05	4.95E-04	5.84E-04	4.96E-01	6.01E-01	1.69E+00	4.51E-02	2.00E-02	2.36E+00
2985	479126.63	3850121.93	3.13933	2.23428	0.2333	0.27983	5.13E-01	1.73E+00	4.52E-02	2.06E-02	2.31E+00	5.06E-01	7.51E-05	4.96E-04	6.02E-04	5.07E-01	6.14E-01	1.73E+00	4.52E-02	2.06E-02	2.41E+00

2986	478776.63	3850171.93	2.8258	2.57989	0.2341	0.26397	4.62E-01	2.00E+00	4.54E-02	1.94E-02	2.53E+00	4.55E-01	8.67E-05	4.98E-04	5.68E-04	4.56E-01	5.53E-01	2.00E+00	4.54E-02	1.94E-02	2.62E+00
2987	478826.63	3850171.93	2.81901	2.56254	0.2346	0.26557	4.61E-01	1.99E+00	4.55E-02	1.96E-02	2.51E+00	4.54E-01	8.61E-05	4.99E-04	5.72E-04	4.55E-01	5.52E-01	1.99E+00	4.55E-02	1.96E-02	2.60E+00
2988	478876.63	3850171.93	2.91503	2.6109	0.2352	0.26716	4.77E-01	2.03E+00	4.56E-02	1.97E-02	2.57E+00	4.70E-01	8.77E-05	5.00E-04	5.75E-04	4.71E-01	5.70E-01	2.03E+00	4.56E-02	1.97E-02	2.66E+00
2989	478976.63	3850171.93	3.03779	2.48612	0.2343	0.26769	4.97E-01	1.93E+00	4.54E-02	1.97E-02	2.49E+00	4.89E-01	8.35E-05	4.98E-04	5.76E-04	4.91E-01	5.94E-01	1.93E+00	4.54E-02	1.97E-02	2.59E+00
2990	479026.63	3850171.93	3.18188	2.38298	0.2334	0.26982	5.20E-01	1.85E+00	4.53E-02	1.99E-02	2.43E+00	5.13E-01	8.00E-05	4.96E-04	5.81E-04	5.14E-01	6.23E-01	1.85E+00	4.53E-02	1.99E-02	2.54E+00
2991	479076.63	3850171.93	3.30803	2.30609	0.2338	0.26944	5.41E-01	1.79E+00	4.53E-02	1.98E-02	2.40E+00	5.33E-01	7.75E-05	4.97E-04	5.80E-04	5.34E-01	6.47E-01	1.79E+00	4.53E-02	1.98E-02	2.50E+00
2992	479126.63	3850171.93	3.15912	2.24034	0.2343	0.27479	5.17E-01	1.74E+00	4.54E-02	2.02E-02	2.32E+00	5.09E-01	7.53E-05	4.98E-04	5.92E-04	5.10E-01	6.18E-01	1.74E+00	4.54E-02	2.02E-02	2.42E+00
2993	479176.63	3850171.93	3.21505	2.29892	0.2349	0.28347	5.26E-01	1.78E+00	4.55E-02	2.09E-02	2.38E+00	5.18E-01	7.72E-05	4.99E-04	6.10E-04	5.19E-01	6.29E-01	1.78E+00	4.55E-02	2.09E-02	2.48E+00
2994	479226.63	3850171.93	3.41931	2.39075	0.2358	0.29226	5.59E-01	1.85E+00	4.57E-02	2.15E-02	2.48E+00	5.51E-01	8.03E-05	5.01E-04	6.29E-04	5.52E-01	6.69E-01	1.85E+00	4.57E-02	2.15E-02	2.59E+00
2995	479276.63	3850171.93	3.96392	2.50189	0.2349	0.29847	6.48E-01	1.94E+00	4.56E-02	2.20E-02	2.66E+00	6.39E-01	8.40E-05	5.00E-04	6.43E-04	6.40E-01	7.76E-01	1.94E+00	4.56E-02	2.20E-02	2.78E+00
2996	479326.63	3850171.93	4.53345	2.4599	0.2335	0.30483	7.41E-01	1.91E+00	4.53E-02	2.24E-02	2.72E+00	7.30E-01	8.26E-05	4.96E-04	6.56E-04	7.32E-01	8.87E-01	1.91E+00	4.53E-02	2.24E-02	2.86E+00
2997	479376.63	3850171.93	4.8639	2.40194	0.2334	0.30946	7.96E-01	1.86E+00	4.53E-02	2.28E-02	2.73E+00	7.84E-01	8.07E-05	4.96E-04	6.66E-04	7.85E-01	9.52E-01	1.86E+00	4.53E-02	2.28E-02	2.88E+00
2998	478676.63	3850221.93	2.97395	2.64621	0.2338	0.2671	4.86E-01	2.05E+00	4.53E-02	1.97E-02	2.60E+00	4.79E-01	8.89E-05	4.97E-04	5.75E-04	4.80E-01	5.82E-01	2.05E+00	4.53E-02	1.97E-02	2.70E+00
2999	478726.63	3850221.93	2.83303	2.60739	0.2337	0.26505	4.63E-01	2.02E+00	4.53E-02	1.95E-02	2.55E+00	4.56E-01	8.76E-05	4.97E-04	5.71E-04	4.58E-01	5.54E-01	2.02E+00	4.53E-02	1.95E-02	2.64E+00
3000	478976.63	3850221.93	2.92208	2.6651	0.2374	0.26884	4.78E-01	2.07E+00	4.60E-02	1.98E-02	2.61E+00	4.71E-01	8.95E-05	5.05E-04	5.79E-04	4.72E-01	5.72E-01	2.07E+00	4.60E-02	1.98E-02	2.71E+00
3001	479026.63	3850221.93	3.08174	2.52418	0.2366	0.26982	5.04E-01	1.96E+00	4.59E-02	1.99E-02	2.53E+00	4.97E-01	8.48E-05	5.03E-04	5.81E-04	4.98E-01	6.03E-01	1.96E+00	4.59E-02	1.99E-02	2.63E+00
3002	479076.63	3850221.93	3.24004	2.43907	0.2348	0.27217	5.30E-01	1.89E+00	4.55E-02	2.00E-02	2.49E+00	5.22E-01	8.19E-05	4.99E-04	5.86E-04	5.23E-01	6.34E-01	1.89E+00	4.55E-02	2.00E-02	2.59E+00
3003	479126.63	3850221.93	3.33616	2.3368	0.2353	0.27197	5.46E-01	1.81E+00	4.56E-02	2.00E-02	2.42E+00	5.38E-01	7.85E-05	5.00E-04	5.85E-04	5.39E-01	6.53E-01	1.81E+00	4.56E-02	2.00E-02	2.53E+00
3004	479176.63	3850221.93	3.23993	2.32624	0.2361	0.27837	5.30E-01	1.80E+00	4.58E-02	2.05E-02	2.40E+00	5.22E-01	7.81E-05	5.02E-04	5.99E-04	5.23E-01	6.34E-01	1.80E+00	4.58E-02	2.05E-02	2.50E+00
3005	479226.63	3850221.93	3.32697	2.40032	0.2368	0.28716	5.44E-01	1.86E+00	4.59E-02	2.11E-02	2.47E+00	5.36E-01	8.06E-05	5.04E-04	6.18E-04	5.37E-01	6.51E-01	1.86E+00	4.59E-02	2.11E-02	2.58E+00
3006	479276.63	3850221.93	3.54131	2.5053	0.2376	0.29607	5.79E-01	1.94E+00	4.61E-02	2.18E-02	2.59E+00	5.71E-01	8.42E-05	5.05E-04	6.37E-04	5.72E-01	6.93E-01	1.94E+00	4.61E-02	2.18E-02	2.70E+00
3007	479326.63	3850221.93	3.98464	2.51186	0.2365	0.30199	6.52E-01	1.95E+00	4.59E-02	2.22E-02	2.67E+00	6.42E-01	8.44E-05	5.03E-04	6.50E-04	6.43E-01	7.80E-01	1.95E+00	4.59E-02	2.22E-02	2.80E+00
3008	479376.63	3850221.93	4.59448	2.4993	0.2351	0.30783	7.51E-01	1.94E+00	4.56E-02	2.27E-02	2.76E+00	7.40E-01	8.40E-05	5.00E-04	6.63E-04	7.42E-01	8.99E-01	1.94E+00	4.56E-02	2.27E-02	2.91E+00
3009	478676.63	3850271.93	3.05421	2.74852	0.2371	0.27116	5.00E-01	2.13E+00	4.60E-02	2.00E-02	2.70E+00	4.92E-01	9.23E-05	5.04E-04	5.84E-04	4.93E-01	5.98E-01	2.13E+00	4.60E-02	2.00E-02	2.80E+00
3010	478726.63	3850271.93	3.04385	2.68754	0.2352	0.26922	4.98E-01	2.08E+00	4.56E-02	1.98E-02	2.65E+00	4.90E-01	9.03E-05	5.00E-04	5.80E-04	4.92E-01	5.96E-01	2.08E+00	4.56E-02	1.98E-02	2.75E+00
3011	478976.63	3850271.93	3.00366	2.72938	0.2381	0.27035	4.91E-01	2.12E+00	4.62E-02	1.99E-02	2.67E+00	4.84E-01	9.17E-05	5.06E-04	5.82E-04	4.85E-01	5.88E-01	2.12E+00	4.62E-02	1.99E-02	2.77E+00
3012	479026.63	3850271.93	2.96267	2.70123	0.2389	0.27034	4.85E-01	2.10E+00	4.63E-02	1.99E-02	2.65E+00	4.77E-01	9.07E-05	5.08E-04	5.82E-04	4.79E-01	5.80E-01	2.10E+00	4.63E-02	1.99E-02	2.74E+00
3013	479076.63	3850271.93	3.11522	2.55317	0.2387	0.27217	5.10E-01	1.98E+00	4.63E-02	2.00E-02	2.56E+00	5.02E-01	8.58E-05	5.08E-04	5.86E-04	5.03E-01	6.10E-01	1.98E+00	4.63E-02	2.00E-02	2.66E+00
3014	479126.63	3850271.93	3.256	2.50102	0.2367	0.27458	5.33E-01	1.94E+00	4.59E-02	2.02E-02	2.54E+00	5.25E-01	8.40E-05	5.03E-04	5.91E-04	5.26E-01	6.37E-01	1.94E+00	4.59E-02	2.02E-02	2.64E+00
3015	479176.63	3850271.93	3.36546	2.39197	0.2371	0.27519	5.50E-01	1.86E+00	4.60E-02	2.03E-02	2.47E+00	5.42E-01	8.03E-05	5.04E-04	5.92E-04	5.43E-01	6.59E-01	1.86E+00	4.60E-02	2.03E-02	2.58E+00
3016	479226.63	3850271.93	3.36724	2.39483	0.2378	0.28202	5.51E-01	1.86E+00	4.61E-02	2.08E-02	2.48E+00	5.43E-01	8.04E-05	5.06E-04	6.07E-04	5.44E-01	6.59E-01	1.86E+00	4.61E-02	2.08E-02	2.58E+00
3017	479276.63	3850271.93	3.39063	2.47695	0.2384	0.29094	5.55E-01	1.92E+00	4.62E-02	2.14E-02	2.54E+00	5.46E-01	8.32E-05	5.07E-04	6.26E-04	5.48E-01	6.63E-01	1.92E+00	4.62E-02	2.14E-02	2.65E+00
3018	479326.63	3850271.93	3.57456	2.54872	0.2388	0.29956	5.85E-01	1.98E+00	4.63E-02	2.21E-02	2.63E+00	5.76E-01	8.56E-05	5.08E-04	6.45E-04	5.77E-01	6.99E-01	1.98E+00	4.63E-02	2.21E-02	2.74E+00
3019	479376.63	3850271.93	3.98776	2.51574	0.238	0.30617	6.52E-01	1.95E+00	4.61E-02	2.25E-02	2.67E+00	6.43E-01	8.45E-05	5.06E-04	6.59E-04	6.44E-01	7.80E-01	1.95E+00	4.61E-02	2.25E-02	2.80E+00
3020	479053.24	3850293.52	3.01617	2.70402	0.2397	0.2711	4.93E-01	2.10E+00	4.65E-02	2.00E-02	2.66E+00	4.86E-01	9.08E-05	5.10E-04	5.84E-04	4.87E-01	5.90E-01	2.10E+00	4.65E-02	2.00E-02	2.75E+00
3021	479103.24	3850293.52	3.17965	2.5666	0.2396	0.27341	5.20E-01	1.99E+00	4.65E-02	2.01E-02	2.58E+00	5.12E-01	8.62E-05	5.09E-04	5.89E-04	5.14E-01	6.22E-01	1.99E+00	4.65E-02	2.01E-02	2.68E+00
3022	479153.24	3850293.52	3.29082	2.51108	0.2375	0.27556	5.38E-01	1.95E+00	4.61E-02	2.03E-02	2.55E+00	5.30E-01	8.44E-05	5.05E-04	5.93E-04	5.31E-01	6.44E-01	1.95E+00	4.61E-02	2.03E-02	2.66E+00
3023	479203.24	3850293.52	3.37216	2.42067	0.2379	0.27741	5.52E-01	1.88E+00	4.61E-02	2.04E-02	2.50E+00	5.43E-01	8.13E-05	5.06E-04	5.97E-04	5.45E-01	6.60E-01	1.88E+00	4.61E-02	2.04E-02	2.60E+00
3024	479253.24	3850293.52	3.4088	2.43406	0.2385	0.28451	5.58E-01	1.89E+00	4.63E-02	2.09E-02	2.51E+00	5.49E-01	8.18E-05	5.07E-04	6.12E-04	5.50E-01	6.67E-01	1.89E+00	4.63E-02	2.09E-02	2.62E+00
3025	479303.24	3850293.52	3.4177	2.50181	0.239	0.2935	5.59E-01	1.94E+00	4.63E-02	2.16E-02	2.57E+00	5.51E-01	8.40E-05	5.08E-04	6.32E-04	5.52E-01	6.69E-01	1.94E+00	4.63E-02	2.16E-02	2.68E+00
3026	479353.24	3850293.52	3.60452	2.56535	0.2393	0.30114	5.90E-01	1.99E+00	4.64E-02	2.22E-02	2.65E+00	5.81E-01	8.62E-05	5.09E-04	6.48E-04	5.82E-01	7.05E-01	1.99E+00	4.64E-02	2.22E-02	2.76E+00
3027	479153.24	3850343.52	3.22054	2.63825	0.2419	0.27573	5.27E-01	2.05E+00	4.69E-02	2.03E-02	2.64E+00	5.19E-01	8.86E-05	5.14E-04	5.94E-04	5.20E-01	6.30E-01	2.05E+00	4.69E-02	2.03E-02	2.74E+00
3028	479203.24	3850343.52	3.33382	2.57999	0.2399	0.27804	5.45E-01	2.00E+00	4.65E-02	2.05E-02	2.61E+00	5.37E-01	8.67E-05	5.10E-04	5.99E-04	5.38E-01	6.52E-01	2.00E+00	4.65E-02	2.05E-02	2.72E+00
3029	479253.24	3850343.52	3.42402	2.47775	0.2394	0.28115	5.60E-01	1.92E+00	4.64E-02	2.07E-02	2.55E+00	5.52E-01	8.32E-05	5.09E-04	6.05E-04	5.53E-01	6.70E-01	1.92E+00	4.64E-02	2.07E-02	2.66E+00
3030	479303.24	3850343.52	3.47611	2.47466	0.2398	0.28828	5.69E-01	1.92E+00	4.65E-02	2.12E-02	2.56E+00	5.60E-01	8.31E-05	5.10E-04	6.21E-04	5.61E-01	6.80E-01	1.92E+00	4.65E-02	2.12E-02	2.67E+00
3031	479353.24	3850343.52	3.45068	2.54086	0.2401	0.29741	5.64E-01	1.97E+00	4.66E-02	2.19E-02	2.60E+00	5.56E-01	8.54E-05	5.11E-04	6.40E-04	5.57E-01	6.75E-01	1.97E+00	4.66E-02	2.19E-02	2.71E+00
3032	479203.24	3850393.52	3.33747	2.69547	0.2435	0.2781	5.46E-01	2.09E+00	4.72E-02	2.05E-02	2.70E+00	5.38E-01	9.05E-05	5.18E-04	5.99E-04	5.39E-01	6.53E-01	2.09E+00	4.72E-02	2.05E-02	2.81E+00
3033	479253.24	3850393.52	3.38858	2.60166	0.2419	0.28052	5.54E-01	2.02E+00	4.69E-02	2.07E-02	2.64E+00	5.46E-01	8.74E-05	5.14E-04	6.04E-04	5.47E-01	6.63E-01	2.02E+00	4.69E-02	2.07E-02	2.75E+00
3034	479303.24	3850393.52	3.53729	2.50148	0.2406	0.28495	5.79E-01	1.94E+00	4.67E-02	2.10E-02	2.59E+00	5.70E-01	8.40E-05	5.12E-04	6.13E-04	5.71E-01	6.92E-01	1.94E+00	4.67E-02	2.10E-02	2.70E+00
3035	479353.24	3850393.52	3.55338	2.51686	0.241	0.29213	5.81E-01	1.95E+00	4.67E-02	2.15E-02	2.60E+00	5.73E-01	8.45E-05	5.12E-04	6.29E-04	5.74E-01	6.95E-01	1.95E+00	4.67E-02	2.15E-02	2.72E+00
3036	479403.24	3850393.52	3.49978	2.58982	0.2414	0.30138	5.72E-01	2.01E+00	4.68E-02	2.22E-02	2.65E+00	5.64E-01	8.70E-05	5.13E-04	6.49E-04	5.65E-01	6.85E-01	2.01E+00	4.68E-02	2.22E-02	2.76E+00
3037	479453.24	3850393.52	3.66261	2.5772	0.2416	0.30912	5.99E-01	2.00E+00	4.68E-02	2.28E-02	2.67E+00	5.90E-01	8.66E-05	5.14E-04	6.65E-04	5.91E-01	7.17E-01	2.00E+00	4.68E-02	2.28E-02	2.79E+00
3038	479503.24	3850393.52	4.02061	2.54083	0.2414	0.31527	6.58E-01	1.97E+00	4.68E-02	2.32E-02	2.70E+00	6.48E-01	8.54E-05	5.13E-04	6.79E-04	6.49E-01	7.87E-01	1.97E+00	4.68E-02	2.32E-02	2.83E+00
3039	479303.24	3850443.52	3.43994	2.60915	0.2438	0.28364	5.63E-01	2.02E+00	4.73E-02	2.09E-02	2.65E+00	5.54E-01	8.76E-05	5.18E-04	6.11E-04	5.56E-01	6.73E-01	2.02E+00	4.73E-02	2.09E-02	2.77E+00
3040	479353.24	3850443.52	3.51369	2.50442	0.2417	0.2888	5.75E-01	1.94E+00	4.69E-02	2.13E-02	2.59E+00	5.66E-01	8.41E-05	5.14E-04	6.22E-04	5.67E-01	6.88E-01	1.94E+00	4.69E-02	2.13E-02	2.70E+00
3041	479403.24	3850443.52	3.61308	2.53323	0.242	0.29607	5.91E-01	1.97E+00	4.69E-02	2.18E-02	2.62E+00	5.82E-01	8.51E-05	5.14E-04	6.37E-04	5.83E-01	7.07E-01	1.97E+00	4.69E-02	2.18E-02	2.74E+00
3042	479453.24	3850443.52	3.51582	2.59636	0.2422	0.30545	5.75E-01	2.01E+00	4.70E-02	2.25E-02	2.66E+00	5.67E-01	8.72E-05	5.15E-04	6.58E-04	5.68E-01	6.88E-01	2.01E+00	4.70E-02	2.25E-02	2.77E+00
3043	479503.24	3850443.52	3.65194	2.55564	0.2424	0.3135	5.97E-01	1.98E+00	4.70E-02	2.31E-02	2.65E+00	5.88E-01	8.58E-05	5.15E-04	6.75E-04	5.90E-01	7.15E-01	1.98E+00	4.70E-02	2.31E-02	2.77E+00
3044	480327.18	3850987.04	6.51216	2.9924	0.2608	0.36628	1.07E+00	2.32E+00	5.06E-02	2.70E-02	3.46E+00	1.05E+00	1.01E-04	5.54E-04	7.89E-04	1.05E+00	1.27E+00	2.32E+00	5.06E-02	2.70E-02	3.67E+00
3045	480377.18	3850987.04	6.55061	2.92927	0.263	0.37631	1.07E+00	2.27E+00	5.10E-02	2.77E-02	3.42E+00	1.06E+00	9.84E-05	5.59E-04	8.10E-04	1.06E+00	1.28E+00	2.27E+00	5.10E-02	2.77E-02	3.63E+00
3046	480427.18	3850987.04	6.64789	2.8594	0.2651	0.37719	1.09E+00	2.22E+00	5.14E-02	2.78E-02	3.38E+00	1.07E+00	9.61E-05	5.64E-04	8.12E-04	1.07E+00	1.30E+00	2.22E+00	5.14E-02	2.78E-02	3.60E+00

3047	480477.18	3850987.04	6.87064	2.79008	0.2655	0.37473	1.12E+00	2.16E+00	5.15E-02	2.76E-02	3.37E+00	1.11E+00	9.37E-05	5.64E-04	8.07E-04	1.11E+00	1.34E+00	2.16E+00	5.15E-02	2.76E-02	3.59E+00
3048	480327.18	3851037.04	6.39754	3.04131	0.262	0.37056	1.05E+00	2.36E+00	5.08E-02	2.73E-02	3.48E+00	1.03E+00	1.02E-04	5.57E-04	7.98E-04	1.03E+00	1.25E+00	2.36E+00	5.08E-02	2.73E-02	3.69E+00
3049	480377.18	3851037.04	6.58294	3.01821	0.2621	0.373	1.08E+00	2.34E+00	5.08E-02	2.75E-02	3.50E+00	1.06E+00	1.01E-04	5.57E-04	8.03E-04	1.06E+00	1.29E+00	2.34E+00	5.08E-02	2.75E-02	3.71E+00
3050	480427.18	3851037.04	6.66423	2.9255	0.2643	0.38037	1.09E+00	2.27E+00	5.12E-02	2.80E-02	3.44E+00	1.07E+00	9.83E-05	5.62E-04	8.19E-04	1.08E+00	1.30E+00	2.27E+00	5.12E-02	2.80E-02	3.65E+00
3051	480477.18	3851037.04	6.75871	2.87783	0.2665	0.38001	1.11E+00	2.23E+00	5.17E-02	2.80E-02	3.42E+00	1.09E+00	9.67E-05	5.67E-04	8.18E-04	1.09E+00	1.32E+00	2.23E+00	5.17E-02	2.80E-02	3.63E+00
3052	480622.06	3851087.39	7.38947	2.75706	0.2703	0.37225	1.21E+00	2.14E+00	5.24E-02	2.74E-02	3.43E+00	1.19E+00	9.26E-05	5.75E-04	8.01E-04	1.19E+00	1.45E+00	2.14E+00	5.24E-02	2.74E-02	3.66E+00
3053	480672.06	3851087.39	7.27514	2.70883	0.2732	0.373	1.19E+00	2.10E+00	5.30E-02	2.75E-02	3.37E+00	1.17E+00	9.10E-05	5.81E-04	8.03E-04	1.17E+00	1.42E+00	2.10E+00	5.30E-02	2.75E-02	3.61E+00
3054	480622.06	3851137.39	7.12654	2.87712	0.271	0.37943	1.17E+00	2.23E+00	5.26E-02	2.79E-02	3.48E+00	1.15E+00	9.66E-05	5.76E-04	8.17E-04	1.15E+00	1.39E+00	2.23E+00	5.26E-02	2.79E-02	3.71E+00
3055	480672.06	3851137.39	7.50035	2.82524	0.2722	0.37392	1.23E+00	2.19E+00	5.28E-02	2.75E-02	3.50E+00	1.21E+00	9.49E-05	5.79E-04	8.05E-04	1.21E+00	1.47E+00	2.19E+00	5.28E-02	2.75E-02	3.74E+00
3056	480722.06	3851137.39	7.3969	2.78377	0.2751	0.37961	1.21E+00	2.16E+00	5.33E-02	2.79E-02	3.45E+00	1.19E+00	9.35E-05	5.85E-04	8.17E-04	1.19E+00	1.45E+00	2.16E+00	5.33E-02	2.79E-02	3.69E+00
3057	480622.06	3851187.39	7.11248	3.01667	0.2711	0.38686	1.16E+00	2.34E+00	5.26E-02	2.85E-02	3.58E+00	1.15E+00	1.01E-04	5.76E-04	8.33E-04	1.15E+00	1.39E+00	2.34E+00	5.26E-02	2.85E-02	3.81E+00
3058	480672.06	3851187.39	7.22987	2.90464	0.2731	0.38077	1.18E+00	2.25E+00	5.30E-02	2.80E-02	3.52E+00	1.16E+00	9.76E-05	5.81E-04	8.20E-04	1.17E+00	1.41E+00	2.25E+00	5.30E-02	2.80E-02	3.75E+00
3059	480722.06	3851187.39	7.61139	2.87298	0.2742	0.38042	1.24E+00	2.23E+00	5.32E-02	2.80E-02	3.55E+00	1.23E+00	9.65E-05	5.83E-04	8.19E-04	1.23E+00	1.49E+00	2.23E+00	5.32E-02	2.80E-02	3.80E+00
3060	471363.09	3845877.25	0.9375	0.46893	0.1435	0.17702	1.53E-01	3.64E-01	2.78E-02	1.30E-02	5.58E-01	1.51E-01	1.58E-05	3.05E-04	3.81E-04	1.52E-01	1.83E-01	3.64E-01	2.78E-02	1.30E-02	5.88E-01
3061	471863.09	3845877.25	0.86343	0.45585	0.1455	0.15588	1.41E-01	3.54E-01	2.82E-02	1.15E-02	5.35E-01	1.39E-01	1.53E-05	3.09E-04	3.36E-04	1.40E-01	1.69E-01	3.54E-01	2.82E-02	1.15E-02	5.62E-01
3062	472363.09	3845877.25	0.90411	0.47379	0.1485	0.16665	1.48E-01	3.68E-01	2.88E-02	1.23E-02	5.56E-01	1.46E-01	1.59E-05	3.16E-04	3.59E-04	1.46E-01	1.77E-01	3.68E-01	2.88E-02	1.23E-02	5.86E-01
3063	472863.09	3845877.25	0.71229	0.46096	0.1487	0.16949	1.17E-01	3.58E-01	2.88E-02	1.25E-02	5.15E-01	1.15E-01	1.55E-05	3.16E-04	3.65E-04	1.15E-01	1.39E-01	3.58E-01	2.88E-02	1.25E-02	5.38E-01
3064	473363.09	3845877.25	0.73099	0.5967	0.1491	0.15019	1.20E-01	4.63E-01	2.89E-02	1.11E-02	6.22E-01	1.18E-01	2.00E-05	3.17E-04	3.23E-04	1.18E-01	1.43E-01	4.63E-01	2.89E-02	1.11E-02	6.46E-01
3065	473863.09	3845877.25	0.84534	0.70846	0.149	0.14516	1.38E-01	5.50E-01	2.89E-02	1.07E-02	7.27E-01	1.36E-01	2.38E-05	3.17E-04	3.12E-04	1.37E-01	1.65E-01	5.50E-01	2.89E-02	1.07E-02	7.55E-01
3066	474363.09	3845877.25	0.68632	0.78119	0.1509	0.1555	1.12E-01	6.06E-01	2.93E-02	1.14E-02	7.59E-01	1.11E-01	2.62E-05	3.21E-04	3.35E-04	1.11E-01	1.34E-01	6.06E-01	2.93E-02	1.14E-02	7.81E-01
3067	474863.09	3845877.25	1.08021	0.8496	0.1541	0.17531	1.77E-01	6.59E-01	2.99E-02	1.29E-02	8.78E-01	1.74E-01	2.85E-05	3.28E-04	3.77E-04	1.75E-01	2.11E-01	6.59E-01	2.99E-02	1.29E-02	9.13E-01
3068	475363.09	3845877.25	1.65283	0.80242	0.1585	0.18029	2.70E-01	6.22E-01	3.07E-02	1.33E-02	9.37E-01	2.66E-01	2.70E-05	3.37E-04	3.88E-04	2.67E-01	3.23E-01	6.22E-01	3.07E-02	1.33E-02	9.90E-01
3069	475863.09	3845877.25	1.80542	0.70098	0.1587	0.17574	2.95E-01	5.44E-01	3.08E-02	1.29E-02	8.83E-01	2.91E-01	2.35E-05	3.37E-04	3.78E-04	2.92E-01	3.53E-01	5.44E-01	3.08E-02	1.29E-02	9.41E-01
3070	476363.09	3845877.25	1.93513	0.58295	0.1671	0.19215	3.17E-01	4.52E-01	3.24E-02	1.41E-02	8.15E-01	3.12E-01	1.96E-05	3.55E-04	4.14E-04	3.13E-01	3.79E-01	4.52E-01	3.24E-02	1.41E-02	8.77E-01
3071	476863.09	3845877.25	1.63315	0.4681	0.1841	0.21637	2.67E-01	3.63E-01	3.57E-02	1.59E-02	6.82E-01	2.63E-01	1.57E-05	3.92E-04	4.66E-04	2.64E-01	3.20E-01	3.63E-01	3.57E-02	1.59E-02	7.34E-01
3072	477363.09	3845877.25	1.11673	0.45885	0.2145	0.21099	1.83E-01	3.56E-01	4.16E-02	1.55E-02	5.96E-01	1.80E-01	1.54E-05	4.56E-04	4.54E-04	1.81E-01	2.19E-01	3.56E-01	4.16E-02	1.55E-02	6.32E-01
3073	477863.09	3845877.25	0.87585	0.4121	0.2344	0.19587	1.43E-01	3.20E-01	4.55E-02	1.44E-02	5.23E-01	1.41E-01	1.38E-05	4.98E-04	4.22E-04	1.42E-01	1.71E-01	3.20E-01	4.55E-02	1.44E-02	5.51E-01
3074	478363.09	3845877.25	0.99605	0.36752	0.2426	0.22822	1.63E-01	2.85E-01	4.70E-02	1.68E-02	5.12E-01	1.60E-01	1.23E-05	5.16E-04	4.91E-04	1.62E-01	1.95E-01	2.85E-01	4.70E-02	1.68E-02	5.44E-01
3075	478863.09	3845877.25	0.86924	0.30733	0.2501	0.26137	1.42E-01	2.38E-01	4.85E-02	1.92E-02	4.48E-01	1.40E-01	1.03E-05	5.32E-04	5.63E-04	1.41E-01	1.70E-01	2.38E-01	4.85E-02	1.92E-02	4.76E-01
3076	479363.09	3845877.25	0.75076	0.34282	0.2415	0.26653	1.23E-01	2.66E-01	4.68E-02	1.96E-02	4.55E-01	1.21E-01	1.15E-05	5.14E-04	5.74E-04	1.22E-01	1.47E-01	2.66E-01	4.68E-02	1.96E-02	4.79E-01
3077	479863.09	3845877.25	0.9684	0.30976	0.2157	0.25458	1.58E-01	2.40E-01	4.18E-02	1.87E-02	4.59E-01	1.56E-01	1.04E-05	4.59E-04	5.48E-04	1.57E-01	1.89E-01	2.40E-01	4.18E-02	1.87E-02	4.90E-01
3078	480363.09	3845877.25	0.84934	0.27603	0.2387	0.22226	1.39E-01	2.14E-01	4.63E-02	1.64E-02	4.16E-01	1.37E-01	9.27E-06	5.08E-04	4.78E-04	1.38E-01	1.66E-01	2.14E-01	4.63E-02	1.64E-02	4.43E-01
3079	480863.09	3845877.25	0.75317	0.2528	0.2311	0.23947	1.23E-01	1.96E-01	4.48E-02	1.76E-02	3.82E-01	1.21E-01	8.49E-06	4.91E-04	5.16E-04	1.22E-01	1.47E-01	1.96E-01	4.48E-02	1.76E-02	4.06E-01
3080	481363.09	3845877.25	0.53117	0.2286	0.2254	0.24856	8.69E-02	1.77E-01	4.37E-02	1.83E-02	3.26E-01	8.56E-02	7.68E-06	4.79E-04	5.35E-04	8.66E-02	1.04E-01	1.77E-01	4.37E-02	1.83E-02	3.43E-01
3081	481863.09	3845877.25	0.48767	0.19649	0.1967	0.28396	7.98E-02	1.52E-01	3.81E-02	2.09E-02	2.91E-01	7.86E-02	6.60E-06	4.18E-04	6.11E-04	7.96E-02	9.54E-02	1.52E-01	3.81E-02	2.09E-02	3.07E-01
3082	482363.09	3845877.25	0.42272	0.16941	0.1985	0.28539	6.91E-02	1.31E-01	3.85E-02	2.10E-02	2.60E-01	6.81E-02	5.69E-06	4.22E-04	6.14E-04	6.92E-02	8.27E-02	1.31E-01	3.85E-02	2.10E-02	2.74E-01
3083	482863.09	3845877.25	0.2849	0.1369	0.2006	0.25989	4.66E-02	1.06E-01	3.89E-02	1.91E-02	2.11E-01	4.59E-02	4.60E-06	4.27E-04	5.59E-04	4.69E-02	5.57E-02	1.06E-01	3.89E-02	1.91E-02	2.20E-01
3084	483363.09	3845877.25	0.25231	0.12074	0.2039	0.23306	4.13E-02	9.37E-02	3.95E-02	1.72E-02	1.92E-01	4.07E-02	4.06E-06	4.34E-04	5.02E-04	4.16E-02	4.94E-02	9.37E-02	3.95E-02	1.72E-02	2.00E-01
3085	483863.09	3845877.25	0.30242	0.13976	0.221	0.26629	4.95E-02	1.08E-01	4.28E-02	1.96E-02	2.20E-01	4.87E-02	4.69E-06	4.70E-04	5.73E-04	4.98E-02	5.92E-02	1.08E-01	4.28E-02	1.96E-02	2.30E-01
3086	484363.09	3845877.25	0.30378	0.13475	0.2288	0.22923	4.97E-02	1.05E-01	4.44E-02	1.69E-02	2.15E-01	4.89E-02	4.53E-06	4.86E-04	4.93E-04	4.99E-02	5.94E-02	1.05E-01	4.44E-02	1.69E-02	2.25E-01
3087	484863.09	3845877.25	0.27576	0.12563	0.2233	0.24508	4.51E-02	9.75E-02	4.33E-02	1.80E-02	2.04E-01	4.44E-02	4.22E-06	4.75E-04	5.28E-04	4.54E-02	5.40E-02	9.75E-02	4.33E-02	1.80E-02	2.13E-01
3088	485363.09	3845877.25	0.25997	0.12752	0.2311	0.25865	4.25E-02	9.89E-02	4.48E-02	1.90E-02	2.05E-01	4.19E-02	4.28E-06	4.91E-04	5.57E-04	4.29E-02	5.09E-02	9.89E-02	4.48E-02	1.90E-02	2.14E-01
3089	485863.09	3845877.25	0.21973	0.12116	0.2204	0.21875	3.59E-02	9.40E-02	4.27E-02	1.61E-02	1.89E-01	3.54E-02	4.07E-06	4.69E-04	4.71E-04	3.63E-02	4.30E-02	9.40E-02	4.27E-02	1.61E-02	1.96E-01
3090	486363.09	3845877.25	0.209	0.11569	0.2317	0.22256	3.42E-02	8.97E-02	4.49E-02	1.64E-02	1.85E-01	3.37E-02	3.89E-06	4.93E-04	4.79E-04	3.47E-02	4.09E-02	8.97E-02	4.49E-02	1.64E-02	1.92E-01
3091	486863.09	3845877.25	0.19234	0.10861	0.2293	0.22543	3.15E-02	8.42E-02	4.45E-02	1.66E-02	1.77E-01	3.10E-02	3.65E-06	4.87E-04	4.85E-04	3.20E-02	3.76E-02	8.43E-02	4.45E-02	1.66E-02	1.83E-01
3092	487363.09	3845877.25	0.19135	0.10434	0.1857	0.23307	3.13E-02	8.09E-02	3.60E-02	1.72E-02	1.65E-01	3.08E-02	3.50E-06	3.95E-04	5.02E-04	3.17E-02	3.74E-02	8.09E-02	3.60E-02	1.72E-02	1.72E-01
3093	487863.09	3845877.25	0.18664	0.09828	0.1912	0.2536	3.05E-02	7.62E-02	3.71E-02	1.87E-02	1.63E-01	3.01E-02	3.30E-06	4.07E-04	5.46E-04	3.10E-02	3.65E-02	7.62E-02	3.71E-02	1.87E-02	1.69E-01
3094	488363.09	3845877.25	0.175	0.09851	0.2044	0.2458	2.86E-02	7.64E-02	3.96E-02	1.81E-02	1.63E-01	2.82E-02	3.31E-06	4.35E-04	5.29E-04	2.92E-02	3.42E-02	7.64E-02	3.96E-02	1.81E-02	1.68E-01
3095	488863.09	3845877.25	0.19954	0.10555	0.2105	0.2411	3.26E-02	8.19E-02	4.08E-02	1.78E-02	1.73E-01	3.22E-02	3.55E-06	4.48E-04	5.19E-04	3.31E-02	3.90E-02	8.19E-02	4.08E-02	1.78E-02	1.79E-01
3096	489363.09	3845877.25	0.19623	0.09927	0.2098	0.23729	3.21E-02	7.70E-02	4.07E-02	1.75E-02	1.67E-01	3.16E-02	3.33E-06	4.46E-04	5.11E-04	3.26E-02	3.84E-02	7.70E-02	4.07E-02	1.75E-02	1.74E-01
3097	489863.09	3845877.25	0.18761	0.10785	0.2103	0.2431	3.07E-02	8.37E-02	4.08E-02	1.79E-02	1.73E-01	3.02E-02	3.62E-06	4.47E-04	5.23E-04	3.12E-02	3.67E-02	8.37E-02	4.08E-02	1.79E-02	1.79E-01
3098	490363.09	3845877.25	0.16695	0.09838	0.2308	0.23913	2.73E-02	7.63E-02	4.48E-02	1.76E-02	1.66E-01	2.69E-02	3.30E-06	4.91E-04	5.15E-04	2.79E-02	3.27E-02	7.63E-02	4.48E-02	1.76E-02	1.71E-01
3099	490863.09	3845877.25	0.14795	0.09655	0.1984	0.24432	2.42E-02	7.49E-02	3.85E-02	1.80E-02	1.56E-01	2.38E-02	3.24E-06	4.22E-04	5.26E-04	2.48E-02	2.90E-02	7.49E-02	3.85E-02	1.80E-02	1.60E-01
3100	491363.09	3845877.25	0.1571	0.0949	0.2624	0.25783	2.57E-02	7.36E-02	5.09E-02	1.90E-02	1.69E-01	2.53E-02	3.19E-06	5.58E-04	5.55E-04	2.64E-02	3.07E-02	7.36E-02	5.09E-02	1.90E-02	1.74E-01
3101	491863.09	3845877.25	0.16471	0.09688	0.2443	0.25006	2.69E-02	7.51E-02	4.74E-02	1.84E-02	1.68E-01	2.65E-02	3.25E-06	5.20E-04	5.38E-04	2.76E-02	3.22E-02	7.52E-02	4.74E-02	1.84E-02	1.73E-01
3102	492363.09	3845877.25	0.14707	0.09429	0.2554	0.27092	2.41E-02	7.31E-02	4.95E-02	1.99E-02	1.67E-01	2.37E-02	3.17E-06	5.43E-04	5.83E-04	2.48E-02	2.88E-02	7.31E-02	4.95E-02	1.99E-02	1.71E-01
3103	492863.09	3845877.25	0.16947	0.10007	0.289	0.29243	2.77E-02	7.76E-02	5.60E-02	2.15E-02	1.83E-01	2.73E-02	3.36E-06	6.15E-04	6.30E-04	2.86E-02	3.32E-02	7.76E-02	5.60E-02	2.15E-02	1.88E-01
3104	493363.09	3845877.25	0.17649	0.10279	0.2577	0.30778	2.89E-02	7.97E-02	5.00E-02	2.27E-02	1.81E-01	2.84E-02	3.45E-06	5.48E-04	6.63E-04	2.97E-02	3.45E-02	7.97E-02	5.00E-02	2.27E-02	1.87E-01
3105	493863.09	3845877.25	0.18565	0.10505	0.2697	0.34763	3.04E-02	8.15E-02	5.23E-02	2.56E-02	1.90E-01	2.99E-02	3.53E-06	5.74E-04	7.48E-04	3.12E-02	3.63E-02	8.15E-02	5.23E-02	2.56E-02	1.96E-01
3106	494363.09	3845877.25	0.19894	0.10716	0.3175	0.35775	3.25E-02	8.31E-02	6.16E-02	2.63E-02	2.04E-01	3.21E-02	3.60E-06	6.75E-04	7.70E-04	3.35E-02	3.89E-02	8.31E-02	6.16E-02	2.63E-02	2.10E-01
3107	494863.09	3845877.25	0.19243	0.10429	0.3377	0.3372	3.15E-02	8.09E-02	6.55E-02	2.48E-02	2.03E-01	3.10E-02	3.50E-06	7.18E-04	7.26E-04	3.25E-02	3.77E-02	8.09E-02	6.55E-02	2.48E-02	2.09E-01

3108	495363.09	3845877.25	0.19692	0.10239	0.3655	0.32736	3.22E-02	7.94E-02	7.09E-02	2.41E-02	2.07E-01	3.17E-02	3.44E-06	7.77E-04	7.05E-04	3.32E-02	3.85E-02	7.94E-02	7.09E-02	2.41E-02	2.13E-01
3109	495863.09	3845877.25	0.20166	0.11713	0.3875	0.31888	3.30E-02	9.09E-02	7.51E-02	2.35E-02	2.22E-01	3.25E-02	3.93E-06	8.24E-04	6.86E-04	3.40E-02	3.95E-02	9.09E-02	7.51E-02	2.35E-02	2.29E-01
3110	496363.09	3845877.25	0.20829	0.11215	0.3193	0.35214	3.41E-02	8.70E-02	6.19E-02	2.59E-02	2.09E-01	3.36E-02	3.77E-06	6.79E-04	7.58E-04	3.50E-02	4.08E-02	8.70E-02	6.19E-02	2.59E-02	2.16E-01
3111	496863.09	3845877.25	0.21036	0.11509	0.2795	0.34718	3.44E-02	8.93E-02	5.42E-02	2.56E-02	2.03E-01	3.39E-02	3.87E-06	5.94E-04	7.47E-04	3.52E-02	4.12E-02	8.93E-02	5.42E-02	2.56E-02	2.10E-01
3112	497363.09	3845877.25	0.22225	0.11416	0.3273	0.34793	3.64E-02	8.86E-02	6.35E-02	2.56E-02	2.14E-01	3.58E-02	3.83E-06	6.96E-04	7.49E-04	3.73E-02	4.35E-02	8.86E-02	6.35E-02	2.56E-02	2.21E-01
3113	497863.09	3845877.25	0.2192	0.11544	0.3935	0.35768	3.59E-02	8.95E-02	7.63E-02	2.63E-02	2.28E-01	3.53E-02	3.88E-06	8.37E-04	7.70E-04	3.69E-02	4.29E-02	8.96E-02	7.63E-02	2.63E-02	2.35E-01
3114	498363.09	3845877.25	0.22587	0.11156	0.5076	0.35656	3.69E-02	8.65E-02	9.84E-02	2.63E-02	2.48E-01	3.64E-02	3.75E-06	1.08E-03	7.68E-04	3.82E-02	4.42E-02	8.65E-02	9.84E-02	2.63E-02	2.55E-01
3115	471363.09	3846377.25	1.28189	0.75472	0.1597	0.18465	2.10E-01	5.85E-01	3.10E-02	1.36E-02	8.40E-01	2.07E-01	2.54E-05	3.40E-04	3.98E-04	2.07E-01	2.51E-01	5.85E-01	3.10E-02	1.36E-02	8.81E-01
3116	471863.09	3846377.25	1.15101	0.66437	0.1659	0.18034	1.88E-01	5.15E-01	3.22E-02	1.33E-02	7.49E-01	1.85E-01	2.23E-05	3.53E-04	3.88E-04	1.86E-01	2.25E-01	5.15E-01	3.22E-02	1.33E-02	7.86E-01
3117	472363.09	3846377.25	1.02409	0.51892	0.1498	0.1671	1.68E-01	4.03E-01	2.91E-02	1.23E-02	6.11E-01	1.65E-01	1.74E-05	3.19E-04	3.60E-04	1.66E-01	2.00E-01	4.03E-01	2.91E-02	1.23E-02	6.44E-01
3118	472863.09	3846377.25	0.93444	0.4612	0.1525	0.17449	1.53E-01	3.58E-01	2.96E-02	1.28E-02	5.53E-01	1.51E-01	1.55E-05	3.24E-04	3.76E-04	1.51E-01	1.83E-01	3.58E-01	2.96E-02	1.28E-02	5.83E-01
3119	473363.09	3846377.25	0.78397	0.54032	0.1552	0.17637	1.28E-01	4.19E-01	3.01E-02	1.30E-02	5.90E-01	1.26E-01	1.82E-05	3.30E-04	3.80E-04	1.27E-01	1.53E-01	4.19E-01	3.01E-02	1.30E-02	6.16E-01
3120	473863.09	3846377.25	0.92124	0.75014	0.1546	0.15767	1.51E-01	5.82E-01	3.00E-02	1.16E-02	7.74E-01	1.48E-01	2.52E-05	3.29E-04	3.39E-04	1.49E-01	1.80E-01	5.82E-01	3.00E-02	1.16E-02	8.04E-01
3121	474363.09	3846377.25	0.97193	0.91203	0.1546	0.15151	1.59E-01	7.07E-01	3.00E-02	1.12E-02	9.08E-01	1.57E-01	3.06E-05	3.29E-04	3.26E-04	1.57E-01	1.90E-01	7.08E-01	3.00E-02	1.12E-02	9.39E-01
3122	474863.09	3846377.25	0.72978	0.98695	0.157	0.16285	1.19E-01	7.66E-01	3.04E-02	1.20E-02	9.27E-01	1.18E-01	3.32E-05	3.34E-04	3.51E-04	1.18E-01	1.43E-01	7.66E-01	3.04E-02	1.20E-02	9.51E-01
3123	475363.09	3846377.25	1.16912	0.95786	0.1599	0.18192	1.91E-01	7.43E-01	3.10E-02	1.34E-02	9.79E-01	1.88E-01	3.22E-05	3.40E-04	3.92E-04	1.89E-01	2.29E-01	7.43E-01	3.10E-02	1.34E-02	1.02E+00
3124	475863.09	3846377.25	1.91927	0.87339	0.1664	0.18763	3.14E-01	6.77E-01	3.23E-02	1.38E-02	1.04E+00	3.09E-01	2.93E-05	3.54E-04	4.04E-04	3.10E-01	3.76E-01	6.78E-01	3.23E-02	1.38E-02	1.10E+00
3125	476363.09	3846377.25	2.02318	0.74053	0.1643	0.18823	3.31E-01	5.74E-01	3.19E-02	1.39E-02	9.51E-01	3.26E-01	2.49E-05	3.49E-04	4.05E-04	3.27E-01	3.96E-01	5.74E-01	3.19E-02	1.39E-02	1.02E+00
3126	476863.09	3846377.25	2.06892	0.594	0.1733	0.20408	3.38E-01	4.61E-01	3.36E-02	1.50E-02	8.48E-01	3.33E-01	2.00E-05	3.68E-04	4.39E-04	3.34E-01	4.05E-01	4.61E-01	3.36E-02	1.50E-02	9.14E-01
3127	477363.09	3846377.25	1.68027	0.52251	0.2005	0.22063	2.75E-01	4.05E-01	3.89E-02	1.62E-02	7.35E-01	2.71E-01	1.76E-05	4.26E-04	4.75E-04	2.72E-01	3.29E-01	4.05E-01	3.89E-02	1.62E-02	7.89E-01
3128	477863.09	3846377.25	1.13378	0.47704	0.2267	0.21271	1.85E-01	3.70E-01	4.39E-02	1.57E-02	6.15E-01	1.83E-01	1.60E-05	4.82E-04	4.58E-04	1.84E-01	2.22E-01	3.70E-01	4.39E-02	1.57E-02	6.52E-01
3129	478363.09	3846377.25	1.0373	0.43545	0.2443	0.21707	1.70E-01	3.38E-01	4.74E-02	1.60E-02	5.71E-01	1.67E-01	1.46E-05	5.19E-04	4.67E-04	1.68E-01	2.03E-01	3.38E-01	4.74E-02	1.60E-02	6.04E-01
3130	478863.09	3846377.25	0.82353	0.40439	0.2521	0.25757	1.35E-01	3.14E-01	4.89E-02	1.90E-02	5.16E-01	1.33E-01	1.36E-05	5.36E-04	5.54E-04	1.34E-01	1.61E-01	3.14E-01	4.89E-02	1.90E-02	5.43E-01
3131	479363.09	3846377.25	0.92729	0.37417	0.2555	0.26864	1.52E-01	2.90E-01	4.95E-02	1.98E-02	5.11E-01	1.49E-01	1.26E-05	5.43E-04	5.78E-04	1.51E-01	1.81E-01	2.90E-01	4.95E-02	1.98E-02	5.41E-01
3132	479863.09	3846377.25	0.9272	0.36205	0.2468	0.28398	1.52E-01	2.81E-01	4.78E-02	2.09E-02	5.01E-01	1.49E-01	1.22E-05	5.25E-04	6.11E-04	1.51E-01	1.81E-01	2.81E-01	4.78E-02	2.09E-02	5.31E-01
3133	480363.09	3846377.25	1.09977	0.33453	0.2323	0.24026	1.80E-01	2.59E-01	4.50E-02	1.77E-02	5.02E-01	1.77E-01	1.12E-05	4.94E-04	5.17E-04	1.78E-01	2.15E-01	2.60E-01	4.50E-02	1.77E-02	5.37E-01
3134	480863.09	3846377.25	0.84298	0.28256	0.246	0.24501	1.38E-01	2.19E-01	4.77E-02	1.80E-02	4.23E-01	1.36E-01	9.49E-06	5.23E-04	5.27E-04	1.37E-01	1.65E-01	2.19E-01	4.77E-02	1.80E-02	4.50E-01
3135	481363.09	3846377.25	0.71879	0.26325	0.2445	0.28203	1.18E-01	2.04E-01	4.74E-02	2.08E-02	3.90E-01	1.16E-01	8.84E-06	5.20E-04	6.07E-04	1.17E-01	1.41E-01	2.04E-01	4.74E-02	2.08E-02	4.13E-01
3136	481863.09	3846377.25	0.5695	0.21792	0.2249	0.30056	9.31E-02	1.69E-01	4.36E-02	2.21E-02	3.28E-01	9.18E-02	7.32E-06	4.78E-04	6.47E-04	9.29E-02	1.11E-01	1.69E-01	4.36E-02	2.21E-02	3.46E-01
3137	482363.09	3846377.25	0.48801	0.18716	0.2073	0.29589	7.98E-02	1.45E-01	4.02E-02	2.18E-02	2.87E-01	7.86E-02	6.29E-06	4.41E-04	6.37E-04	7.97E-02	9.55E-02	1.45E-01	4.02E-02	2.18E-02	3.03E-01
3138	482863.09	3846377.25	0.36453	0.15855	0.212	0.27198	5.96E-02	1.23E-01	4.11E-02	2.00E-02	2.44E-01	5.87E-02	5.33E-06	4.51E-04	5.86E-04	5.98E-02	7.13E-02	1.23E-01	4.11E-02	2.00E-02	2.55E-01
3139	483363.09	3846377.25	0.39994	0.16165	0.2172	0.27036	6.54E-02	1.25E-01	4.21E-02	1.99E-02	2.53E-01	6.44E-02	5.43E-06	4.62E-04	5.82E-04	6.55E-02	7.83E-02	1.25E-01	4.21E-02	1.99E-02	2.66E-01
3140	483863.09	3846377.25	0.34794	0.1568	0.2399	0.27624	5.69E-02	1.22E-01	4.65E-02	2.03E-02	2.45E-01	5.61E-02	5.27E-06	5.10E-04	5.95E-04	5.72E-02	6.81E-02	1.22E-01	4.65E-02	2.03E-02	2.57E-01
3141	484363.09	3846377.25	0.31224	0.14728	0.2228	0.24219	5.11E-02	1.14E-01	4.32E-02	1.78E-02	2.26E-01	5.03E-02	4.95E-06	4.74E-04	5.21E-04	5.13E-02	6.11E-02	1.14E-01	4.32E-02	1.78E-02	2.36E-01
3142	484863.09	3846377.25	0.32906	0.14238	0.2387	0.25186	5.38E-02	1.10E-01	4.63E-02	1.85E-02	2.29E-01	5.30E-02	4.78E-06	5.07E-04	5.42E-04	5.41E-02	6.44E-02	1.10E-01	4.63E-02	1.85E-02	2.40E-01
3143	485363.09	3846377.25	0.32016	0.14741	0.2528	0.26884	5.24E-02	1.14E-01	4.90E-02	1.98E-02	2.36E-01	5.16E-02	4.95E-06	5.38E-04	5.79E-04	5.27E-02	6.26E-02	1.14E-01	4.90E-02	1.98E-02	2.46E-01
3144	485863.09	3846377.25	0.25103	0.13377	0.2333	0.23716	4.11E-02	1.04E-01	4.52E-02	1.75E-02	2.08E-01	4.04E-02	4.49E-06	4.96E-04	5.11E-04	4.15E-02	4.91E-02	1.04E-01	4.52E-02	1.75E-02	2.16E-01
3145	486363.09	3846377.25	0.20557	0.11505	0.2323	0.23434	3.36E-02	8.92E-02	4.50E-02	1.73E-02	1.85E-01	3.31E-02	3.86E-06	4.94E-04	5.04E-04	3.41E-02	4.02E-02	8.92E-02	4.50E-02	1.73E-02	1.92E-01
3146	486863.09	3846377.25	0.19513	0.10891	0.2379	0.23778	3.19E-02	8.45E-02	4.61E-02	1.75E-02	1.80E-01	3.14E-02	3.66E-06	5.06E-04	5.12E-04	3.25E-02	3.82E-02	8.45E-02	4.61E-02	1.75E-02	1.86E-01
3147	487363.09	3846377.25	0.20364	0.10692	0.1968	0.2467	3.33E-02	8.29E-02	3.82E-02	1.82E-02	1.73E-01	3.28E-02	3.59E-06	4.18E-04	5.31E-04	3.38E-02	3.98E-02	8.29E-02	3.82E-02	1.82E-02	1.79E-01
3148	487863.09	3846377.25	0.24493	0.10863	0.2123	0.27021	4.01E-02	8.43E-02	4.12E-02	1.99E-02	1.85E-01	3.95E-02	3.65E-06	4.51E-04	5.82E-04	4.05E-02	4.79E-02	8.43E-02	4.12E-02	1.99E-02	1.93E-01
3149	488363.09	3846377.25	0.22817	0.1095	0.2251	0.25891	3.73E-02	8.49E-02	4.37E-02	1.91E-02	1.85E-01	3.68E-02	3.68E-06	4.79E-04	5.57E-04	3.78E-02	4.46E-02	8.49E-02	4.37E-02	1.91E-02	1.92E-01
3150	488863.09	3846377.25	0.21474	0.10986	0.221	0.23827	3.51E-02	8.52E-02	4.28E-02	1.75E-02	1.81E-01	3.46E-02	3.69E-06	4.70E-04	5.13E-04	3.56E-02	4.20E-02	8.52E-02	4.28E-02	1.75E-02	1.88E-01
3151	489363.09	3846377.25	0.21701	0.10568	0.2178	0.24789	3.55E-02	8.20E-02	4.22E-02	1.83E-02	1.78E-01	3.50E-02	3.55E-06	4.63E-04	5.34E-04	3.60E-02	4.25E-02	8.20E-02	4.22E-02	1.83E-02	1.85E-01
3152	489863.09	3846377.25	0.20374	0.11475	0.23	0.25612	3.33E-02	8.90E-02	4.46E-02	1.89E-02	1.86E-01	3.28E-02	3.85E-06	4.89E-04	5.51E-04	3.39E-02	3.99E-02	8.90E-02	4.46E-02	1.89E-02	1.92E-01
3153	490363.09	3846377.25	0.17303	0.09795	0.2441	0.25711	2.83E-02	7.60E-02	4.73E-02	1.89E-02	1.71E-01	2.79E-02	3.29E-06	5.19E-04	5.53E-04	2.90E-02	3.39E-02	7.60E-02	4.73E-02	1.89E-02	1.76E-01
3154	490863.09	3846377.25	0.16006	0.10235	0.2476	0.2556	2.62E-02	7.94E-02	4.80E-02	1.88E-02	1.72E-01	2.58E-02	3.44E-06	5.26E-04	5.50E-04	2.69E-02	3.13E-02	7.94E-02	4.80E-02	1.88E-02	1.78E-01
3155	491363.09	3846377.25	0.15458	0.09393	0.2533	0.26797	2.53E-02	7.29E-02	4.91E-02	1.97E-02	1.67E-01	2.49E-02	3.16E-06	5.38E-04	5.77E-04	2.60E-02	3.02E-02	7.29E-02	4.91E-02	1.97E-02	1.72E-01
3156	491863.09	3846377.25	0.17997	0.09966	0.2528	0.27882	2.94E-02	7.73E-02	4.90E-02	2.05E-02	1.76E-01	2.90E-02	3.35E-06	5.37E-04	6.00E-04	3.01E-02	3.52E-02	7.73E-02	4.90E-02	2.05E-02	1.82E-01
3157	492363.09	3846377.25	0.17474	0.09795	0.3028	0.29398	2.86E-02	7.60E-02	5.87E-02	2.16E-02	1.85E-01	2.82E-02	3.29E-06	6.44E-04	6.33E-04	2.94E-02	3.42E-02	7.60E-02	5.87E-02	2.16E-02	1.91E-01
3158	492863.09	3846377.25	0.1742	0.10284	0.285	0.31301	2.85E-02	7.98E-02	5.53E-02	2.30E-02	1.87E-01	2.81E-02	3.45E-06	6.06E-04	6.74E-04	2.94E-02	3.41E-02	7.98E-02	5.53E-02	2.30E-02	1.92E-01
3159	493363.09	3846377.25	0.1913	0.10574	0.2774	0.3476	3.13E-02	8.20E-02	5.38E-02	2.56E-02	1.93E-01	3.08E-02	3.55E-06	5.90E-04	7.48E-04	3.22E-02	3.74E-02	8.20E-02	5.38E-02	2.56E-02	1.99E-01
3160	493863.09	3846377.25	0.1923	0.11092	0.3036	0.36802	3.15E-02	8.60E-02	5.89E-02	2.71E-02	2.03E-01	3.10E-02	3.73E-06	6.45E-04	7.92E-04	3.24E-02	3.76E-02	8.60E-02	5.89E-02	2.71E-02	2.10E-01
3161	494363.09	3846377.25	0.20056	0.10872	0.3497	0.37952	3.28E-02	8.43E-02	6.78E-02	2.79E-02	2.13E-01	3.23E-02	3.65E-06	7.43E-04	8.17E-04	3.39E-02	3.92E-02	8.43E-02	6.78E-02	2.79E-02	2.19E-01
3162	494863.09	3846377.25	0.20329	0.109	0.3686	0.34181	3.33E-02	8.46E-02	7.15E-02	2.52E-02	2.14E-01	3.28E-02	3.66E-06	7.84E-04	7.36E-04	3.43E-02	3.98E-02	8.46E-02	7.15E-02	2.52E-02	2.21E-01
3163	495363.09	3846377.25	0.2044	0.11746	0.4124	0.33695	3.34E-02	9.11E-02	8.00E-02	2.48E-02	2.29E-01	3.29E-02	3.95E-06	8.77E-04	7.25E-04	3.45E-02	4.00E-02	9.11E-02	8.00E-02	2.48E-02	2.36E-01
3164	495863.09	3846377.25	0.21153	0.11899	0.3467	0.36279	3.46E-02	9.23E-02	6.72E-02	2.67E-02	2.21E-01	3.41E-02	4.00E-06	7.37E-04	7.81E-04	3.56E-02	4.14E-02	9.23E-02	6.72E-02	2.67E-02	2.28E-01
3165	496363.09	3846377.25	0.22063	0.11927	0.2965	0.36624	3.61E-02	9.25E-02	5.75E-02	2.70E-02	2.13E-01	3.56E-02	4.01E-06	6.30E-04	7.88E-04	3.70E-02	4.32E-02	9.25E-02	5.75E-02	2.70E-02	2.20E-01
3166	496863.09	3846377.25	0.23591	0.1201	0.3234	0.37447	3.86E-02	9.32E-02	6.27E-02	2.76E-02	2.22E-01	3.80E-02	4.03E-06	6.88E-04	8.06E-04	3.95E-02	4.62E-02	9.32E-02	6.27E-02	2.76E-02	2.30E-01
3167	497363.09	3846377.25	0.23648	0.12637	0.3971	0.37511	3.87E-02	9.80E-02	7.70E-02	2.76E-02	2.41E-01	3.81E-02	4.24E-06	8.44E-04	8.08E-04	3.98E-02	4.63E-02	9.80E-02	7.70E-02	2.76E-02	2.49E-01
3168	497863.09	3846377.25	0.23826	0.124	0.5146	0.36951	3.90E-02	9.62E-02	9.98E-02	2.72E-02	2.62E-01	3.84E-02	4.17E-06	1.09E-03	7.95E-04	4.03E-02	4.66E-02	9.62E-02	9.98E-02	2.72E-02	2.70E-01

3169	498363.09	3846377.25	0.22931	0.12832	0.5851	0.38609	3.75E-02	9.95E-02	1.13E-01	2.84E-02	2.79E-01	3.69E-02	4.31E-06	1.24E-03	8.31E-04	3.90E-02	4.49E-02	9.95E-02	1.13E-01	2.84E-02	2.86E-01
3170	471363.09	3846877.25	1.38631	1.09892	0.158	0.21219	2.27E-01	8.52E-01	3.06E-02	1.56E-02	1.13E+00	2.23E-01	3.69E-05	3.36E-04	4.57E-04	2.24E-01	2.71E-01	8.52E-01	3.06E-02	1.56E-02	1.17E+00
3171	471863.09	3846877.25	1.32023	0.86911	0.1567	0.19733	2.16E-01	6.74E-01	3.04E-02	1.45E-02	9.35E-01	2.13E-01	2.92E-05	3.33E-04	4.25E-04	2.14E-01	2.58E-01	6.74E-01	3.04E-02	1.45E-02	9.77E-01
3172	472363.09	3846877.25	1.22409	0.81866	0.1694	0.18799	2.00E-01	6.35E-01	3.28E-02	1.38E-02	8.82E-01	1.97E-01	2.75E-05	3.60E-04	4.05E-04	1.98E-01	2.40E-01	6.35E-01	3.28E-02	1.38E-02	9.21E-01
3173	472863.09	3846877.25	1.02706	0.52987	0.1543	0.18198	1.68E-01	4.11E-01	2.99E-02	1.34E-02	6.22E-01	1.65E-01	1.78E-05	3.28E-04	3.92E-04	1.66E-01	2.01E-01	4.11E-01	2.99E-02	1.34E-02	6.55E-01
3174	473363.09	3846877.25	1.1262	0.49455	0.1577	0.18318	1.84E-01	3.84E-01	3.06E-02	1.35E-02	6.12E-01	1.81E-01	1.66E-05	3.35E-04	3.94E-04	1.82E-01	2.20E-01	3.84E-01	3.06E-02	1.35E-02	6.48E-01
3175	473863.09	3846877.25	1.07181	0.67841	0.1613	0.18374	1.75E-01	5.26E-01	3.13E-02	1.35E-02	7.46E-01	1.73E-01	2.28E-05	3.43E-04	3.96E-04	1.73E-01	2.10E-01	5.26E-01	3.13E-02	1.35E-02	7.81E-01
3176	474363.09	3846877.25	1.04099	0.89184	0.1608	0.16599	1.70E-01	6.92E-01	3.12E-02	1.22E-02	9.05E-01	1.68E-01	3.00E-05	3.42E-04	3.57E-04	1.68E-01	2.04E-01	6.92E-01	3.12E-02	1.22E-02	9.39E-01
3177	474863.09	3846877.25	0.97413	1.05109	0.1602	0.15803	1.59E-01	8.15E-01	3.11E-02	1.16E-02	1.02E+00	1.57E-01	3.53E-05	3.41E-04	3.40E-04	1.58E-01	1.91E-01	8.15E-01	3.11E-02	1.16E-02	1.05E+00
3178	475363.09	3846877.25	0.74954	1.02414	0.1634	0.17116	1.23E-01	7.94E-01	3.17E-02	1.26E-02	9.61E-01	1.21E-01	3.44E-05	3.48E-04	3.68E-04	1.22E-01	1.47E-01	7.94E-01	3.17E-02	1.26E-02	9.85E-01
3179	475863.09	3846877.25	1.23638	1.02429	0.1674	0.1887	2.02E-01	7.95E-01	3.25E-02	1.39E-02	1.04E+00	1.99E-01	3.44E-05	3.56E-04	4.06E-04	2.00E-01	2.42E-01	7.95E-01	3.25E-02	1.39E-02	1.08E+00
3180	476363.09	3846877.25	2.13089	0.8956	0.1729	0.19531	3.49E-01	6.95E-01	3.35E-02	1.44E-02	1.09E+00	3.43E-01	3.01E-05	3.68E-04	4.20E-04	3.44E-01	4.17E-01	6.95E-01	3.35E-02	1.44E-02	1.16E+00
3181	476863.09	3846877.25	2.25461	0.77627	0.1721	0.20033	3.69E-01	6.02E-01	3.34E-02	1.47E-02	1.02E+00	3.63E-01	2.61E-05	3.66E-04	4.31E-04	3.64E-01	4.41E-01	6.02E-01	3.34E-02	1.47E-02	1.09E+00
3182	477363.09	3846877.25	2.20813	0.60417	0.1801	0.22823	3.61E-01	4.69E-01	3.49E-02	1.68E-02	8.82E-01	3.56E-01	2.03E-05	3.83E-04	4.91E-04	3.57E-01	4.32E-01	4.69E-01	3.49E-02	1.68E-02	9.52E-01
3183	477863.09	3846877.25	1.76011	0.54565	0.2089	0.22951	2.88E-01	4.23E-01	4.05E-02	1.69E-02	7.69E-01	2.84E-01	1.83E-05	4.44E-04	4.94E-04	2.85E-01	3.44E-01	4.23E-01	4.05E-02	1.69E-02	8.25E-01
3184	478363.09	3846877.25	1.18866	0.54403	0.2383	0.21343	1.94E-01	4.22E-01	4.62E-02	1.57E-02	6.78E-01	1.92E-01	1.83E-05	5.07E-04	4.59E-04	1.93E-01	2.33E-01	4.22E-01	4.62E-02	1.57E-02	7.17E-01
3185	478863.09	3846877.25	1.25372	0.49179	0.2549	0.24148	2.05E-01	3.81E-01	4.94E-02	1.78E-02	6.54E-01	2.02E-01	1.65E-05	5.42E-04	5.20E-04	2.03E-01	2.45E-01	3.82E-01	4.94E-02	1.78E-02	6.94E-01
3186	479363.09	3846877.25	1.07414	0.42534	0.2624	0.28023	1.76E-01	3.30E-01	5.09E-02	2.06E-02	5.77E-01	1.73E-01	1.43E-05	5.58E-04	6.03E-04	1.74E-01	2.10E-01	3.30E-01	5.09E-02	2.06E-02	6.12E-01
3187	479863.09	3846877.25	0.76245	0.3394	0.2612	0.30203	1.25E-01	2.63E-01	5.06E-02	2.22E-02	4.61E-01	1.23E-01	1.14E-05	5.55E-04	6.50E-04	1.24E-01	1.49E-01	2.63E-01	5.06E-02	2.22E-02	4.85E-01
3188	480363.09	3846877.25	0.96093	0.28198	0.2431	0.2825	1.57E-01	2.19E-01	4.71E-02	2.08E-02	4.44E-01	1.55E-01	9.47E-06	5.17E-04	6.08E-04	1.56E-01	1.88E-01	2.19E-01	4.71E-02	2.08E-02	4.75E-01
3189	480863.09	3846877.25	0.77723	0.27589	0.2452	0.25972	1.27E-01	2.14E-01	4.75E-02	1.91E-02	4.08E-01	1.25E-01	9.27E-06	5.21E-04	5.59E-04	1.26E-01	1.52E-01	2.14E-01	4.75E-02	1.91E-02	4.33E-01
3190	481363.09	3846877.25	0.86578	0.27006	0.2534	0.28613	1.42E-01	2.09E-01	4.91E-02	2.11E-02	4.21E-01	1.40E-01	9.07E-06	5.39E-04	6.16E-04	1.41E-01	1.69E-01	2.09E-01	4.91E-02	2.11E-02	4.49E-01
3191	481863.09	3846877.25	0.63772	0.24313	0.2561	0.30925	1.04E-01	1.89E-01	4.97E-02	2.28E-02	3.65E-01	1.03E-01	8.17E-06	5.45E-04	6.66E-04	1.04E-01	1.25E-01	1.89E-01	4.97E-02	2.28E-02	3.86E-01
3192	482363.09	3846877.25	0.52621	0.20012	0.2177	0.30382	8.61E-02	1.55E-01	4.22E-02	2.24E-02	3.06E-01	8.48E-02	6.72E-06	4.63E-04	6.54E-04	8.59E-02	1.03E-01	1.55E-01	4.22E-02	2.24E-02	3.23E-01
3193	482863.09	3846877.25	0.46716	0.18509	0.2133	0.28576	7.64E-02	1.44E-01	4.14E-02	2.10E-02	2.82E-01	7.53E-02	6.22E-06	4.53E-04	6.15E-04	7.63E-02	9.14E-02	1.44E-01	4.14E-02	2.10E-02	2.97E-01
3194	483363.09	3846877.25	0.46355	0.1749	0.2237	0.28977	7.58E-02	1.36E-01	4.34E-02	2.13E-02	2.76E-01	7.47E-02	5.88E-06	4.76E-04	6.24E-04	7.58E-02	9.07E-02	1.36E-01	4.34E-02	2.13E-02	2.91E-01
3195	483863.09	3846877.25	0.44051	0.16877	0.247	0.28178	7.21E-02	1.31E-01	4.79E-02	2.07E-02	2.72E-01	7.10E-02	5.67E-06	5.25E-04	6.07E-04	7.21E-02	8.62E-02	1.31E-01	4.79E-02	2.07E-02	2.86E-01
3196	484363.09	3846877.25	0.39841	0.17403	0.2449	0.28237	6.52E-02	1.35E-01	4.75E-02	2.08E-02	2.68E-01	6.42E-02	5.85E-06	5.21E-04	6.08E-04	6.53E-02	7.80E-02	1.35E-01	4.75E-02	2.08E-02	2.81E-01
3197	484863.09	3846877.25	0.3721	0.15041	0.2486	0.2671	6.09E-02	1.17E-01	4.82E-02	1.97E-02	2.45E-01	6.00E-02	5.05E-06	5.29E-04	5.75E-04	6.11E-02	7.28E-02	1.17E-01	4.82E-02	1.97E-02	2.57E-01
3198	485363.09	3846877.25	0.35805	0.15992	0.2684	0.27866	5.86E-02	1.24E-01	5.20E-02	2.05E-02	2.55E-01	5.77E-02	5.37E-06	5.71E-04	6.00E-04	5.89E-02	7.01E-02	1.24E-01	5.20E-02	2.05E-02	2.67E-01
3199	485863.09	3846877.25	0.30443	0.15106	0.2429	0.27134	4.98E-02	1.17E-01	4.71E-02	2.00E-02	2.34E-01	4.91E-02	5.07E-06	5.16E-04	5.84E-04	5.02E-02	5.96E-02	1.17E-01	4.71E-02	2.00E-02	2.44E-01
3200	486363.09	3846877.25	0.31345	0.14808	0.2554	0.24093	5.13E-02	1.15E-01	4.95E-02	1.77E-02	2.33E-01	5.05E-02	4.97E-06	5.43E-04	5.19E-04	5.16E-02	6.13E-02	1.15E-01	4.95E-02	1.77E-02	2.43E-01
3201	486863.09	3846877.25	0.25544	0.12866	0.2486	0.25638	4.18E-02	9.98E-02	4.82E-02	1.89E-02	2.09E-01	4.12E-02	4.32E-06	5.28E-04	5.52E-04	4.22E-02	5.00E-02	9.98E-02	4.82E-02	1.89E-02	2.17E-01
3202	487363.09	3846877.25	0.27362	0.12298	0.2168	0.27832	4.48E-02	9.54E-02	4.20E-02	2.05E-02	2.03E-01	4.41E-02	4.13E-06	4.61E-04	5.99E-04	4.52E-02	5.35E-02	9.54E-02	4.20E-02	2.05E-02	2.11E-01
3203	487863.09	3846877.25	0.27547	0.11325	0.2303	0.27863	4.51E-02	8.78E-02	4.47E-02	2.05E-02	1.98E-01	4.44E-02	3.80E-06	4.90E-04	6.00E-04	4.55E-02	5.39E-02	8.79E-02	4.47E-02	2.05E-02	2.07E-01
3204	488363.09	3846877.25	0.24651	0.11939	0.2381	0.26146	4.03E-02	9.26E-02	4.62E-02	1.92E-02	1.98E-01	3.97E-02	4.01E-06	5.06E-04	5.63E-04	4.08E-02	4.82E-02	9.26E-02	4.62E-02	1.92E-02	2.06E-01
3205	488863.09	3846877.25	0.2383	0.11606	0.2367	0.23928	3.90E-02	9.00E-02	4.59E-02	1.76E-02	1.93E-01	3.84E-02	3.90E-06	5.03E-04	5.15E-04	3.94E-02	4.66E-02	9.00E-02	4.59E-02	1.76E-02	2.00E-01
3206	489363.09	3846877.25	0.23407	0.11418	0.2308	0.26337	3.83E-02	8.86E-02	4.48E-02	1.94E-02	1.91E-01	3.77E-02	3.84E-06	4.91E-04	5.67E-04	3.88E-02	4.58E-02	8.86E-02	4.48E-02	1.94E-02	1.99E-01
3207	489863.09	3846877.25	0.22074	0.11798	0.2471	0.2782	3.61E-02	9.15E-02	4.79E-02	2.05E-02	1.96E-01	3.56E-02	3.96E-06	5.25E-04	5.99E-04	3.67E-02	4.32E-02	9.15E-02	4.79E-02	2.05E-02	2.03E-01
3208	490363.09	3846877.25	0.20103	0.10693	0.2744	0.2723	3.29E-02	8.29E-02	5.32E-02	2.00E-02	1.89E-01	3.24E-02	3.59E-06	5.83E-04	5.86E-04	3.36E-02	3.93E-02	8.30E-02	5.32E-02	2.00E-02	1.96E-01
3209	490863.09	3846877.25	0.19115	0.102	0.3015	0.2819	3.13E-02	7.91E-02	5.85E-02	2.08E-02	1.90E-01	3.08E-02	3.43E-06	6.41E-04	6.07E-04	3.21E-02	3.74E-02	7.91E-02	5.85E-02	2.08E-02	1.96E-01
3210	491363.09	3846877.25	0.18218	0.1008	0.2857	0.29052	2.98E-02	7.82E-02	5.54E-02	2.14E-02	1.85E-01	2.94E-02	3.39E-06	6.07E-04	6.25E-04	3.06E-02	3.56E-02	7.82E-02	5.54E-02	2.14E-02	1.91E-01
3211	491863.09	3846877.25	0.17952	0.10228	0.2744	0.29452	2.94E-02	7.93E-02	5.32E-02	2.17E-02	1.84E-01	2.89E-02	3.44E-06	5.83E-04	6.34E-04	3.01E-02	3.51E-02	7.93E-02	5.32E-02	2.17E-02	1.89E-01
3212	492363.09	3846877.25	0.19819	0.10853	0.3166	0.31557	3.24E-02	8.42E-02	6.14E-02	2.32E-02	2.01E-01	3.19E-02	3.65E-06	6.73E-04	6.79E-04	3.33E-02	3.88E-02	8.42E-02	6.14E-02	2.32E-02	2.08E-01
3213	492863.09	3846877.25	0.20487	0.10923	0.2883	0.35696	3.35E-02	8.47E-02	5.59E-02	2.63E-02	2.00E-01	3.30E-02	3.67E-06	6.13E-04	7.68E-04	3.44E-02	4.01E-02	8.47E-02	5.59E-02	2.63E-02	2.07E-01
3214	493363.09	3846877.25	0.20193	0.11672	0.3005	0.38065	3.30E-02	9.05E-02	5.83E-02	2.80E-02	2.10E-01	3.25E-02	3.92E-06	6.39E-04	8.19E-04	3.40E-02	3.95E-02	9.05E-02	5.83E-02	2.80E-02	2.16E-01
3215	493863.09	3846877.25	0.20861	0.10908	0.3445	0.39006	3.41E-02	8.46E-02	6.68E-02	2.87E-02	2.14E-01	3.36E-02	3.66E-06	7.32E-04	8.40E-04	3.52E-02	4.08E-02	8.46E-02	6.68E-02	2.87E-02	2.21E-01
3216	494363.09	3846877.25	0.20796	0.11146	0.3731	0.35631	3.40E-02	8.65E-02	7.23E-02	2.62E-02	2.19E-01	3.35E-02	3.74E-06	7.93E-04	7.67E-04	3.51E-02	4.07E-02	8.65E-02	7.23E-02	2.62E-02	2.26E-01
3217	494863.09	3846877.25	0.20627	0.11345	0.409	0.35393	3.37E-02	8.80E-02	7.93E-02	2.61E-02	2.27E-01	3.32E-02	3.81E-06	8.70E-04	7.62E-04	3.49E-02	4.04E-02	8.80E-02	7.93E-02	2.61E-02	2.34E-01
3218	495363.09	3846877.25	0.21048	0.12323	0.382	0.36029	3.44E-02	9.56E-02	7.41E-02	2.65E-02	2.31E-01	3.39E-02	4.14E-06	8.12E-04	7.76E-04	3.55E-02	4.12E-02	9.56E-02	7.41E-02	2.65E-02	2.37E-01
3219	495863.09	3846877.25	0.21749	0.11885	0.3299	0.37974	3.56E-02	9.22E-02	6.40E-02	2.80E-02	2.20E-01	3.50E-02	3.99E-06	7.01E-04	8.17E-04	3.66E-02	4.26E-02	9.22E-02	6.40E-02	2.80E-02	2.27E-01
3220	496363.09	3846877.25	0.22934	0.11999	0.3203	0.39106	3.75E-02	9.31E-02	6.21E-02	2.88E-02	2.21E-01	3.70E-02	4.03E-06	6.81E-04	8.42E-04	3.85E-02	4.49E-02	9.31E-02	6.21E-02	2.88E-02	2.29E-01
3221	496863.09	3846877.25	0.23405	0.12581	0.3953	0.39612	3.83E-02	9.76E-02	7.66E-02	2.92E-02	2.42E-01	3.77E-02	4.23E-06	8.40E-04	8.53E-04	3.94E-02	4.58E-02	9.76E-02	7.66E-02	2.92E-02	2.49E-01
3222	497363.09	3846877.25	0.24242	0.12976	0.5249	0.39237	3.97E-02	1.01E-01	1.02E-01	2.89E-02	2.71E-01	3.91E-02	4.36E-06	1.12E-03	8.45E-04	4.10E-02	4.74E-02	1.01E-01	1.02E-01	2.89E-02	2.79E-01
3223	497863.09	3846877.25	0.24561	0.13145	0.6249	0.39595	4.02E-02	1.02E-01	1.21E-01	2.92E-02	2.92E-01	3.96E-02	4.42E-06	1.33E-03	8.52E-04	4.18E-02	4.81E-02	1.02E-01	1.21E-01	2.92E-02	3.00E-01
3224	498363.09	3846877.25	0.24433	0.14008	0.6533	0.40599	4.00E-02	1.09E-01	1.27E-01	2.99E-02	3.05E-01	3.94E-02	4.71E-06	1.39E-03	8.74E-04	4.16E-02	4.78E-02	1.09E-01	1.27E-01	2.99E-02	3.13E-01
3225	471363.09	3847377.25	1.53142	1.11751	0.1717	0.2205	2.50E-01	8.67E-01	3.33E-02	1.62E-02	1.17E+00	2.47E-01	3.75E-05	3.65E-04	4.75E-04	2.48E-01	3.00E-01	8.67E-01	3.33E-02	1.62E-02	1.22E+00
3226	471863.09	3847377.25	1.39749	1.21167	0.168	0.22394	2.29E-01	9.40E-01	3.26E-02	1.65E-02	1.22E+00	2.25E-01	4.07E-05	3.57E-04	4.82E-04	2.26E-01	2.73E-01	9.40E-01	3.26E-02	1.65E-02	1.26E+00
3227	472363.09	3847377.25	1.57941	1.05944	0.164	0.21579	2.58E-01	8.22E-01	3.18E-02	1.59E-02	1.13E+00	2.54E-01	3.56E-05	3.49E-04	4.65E-04	2.55E-01	3.09E-01	8.22E-01	3.18E-02	1.59E-02	1.18E+00
3228	472863.09	3847377.25	1.53035	0.92903	0.1703	0.19691	2.50E-01	7.21E-01	3.30E-02	1.45E-02	1.02E+00	2.47E-01	3.12E-05	3.62E-04	4.24E-04	2.47E-01	2.99E-01	7.21E-01	3.30E-02	1.45E-02	1.07E+00
3229	473363.09	3847377.25	1.33637	0.66558	0.1618	0.19936	2.19E-01	5.16E-01	3.14E-02	1.47E-02	7.81E-01	2.15E-01	2.24E-05	3.44E-04	4.29E-04	2.16E-01	2.62E-01	5.16E-01	3.14E-02	1.47E-02	8.24E-01

3230	473863.09	3847377.25	1.34911	0.60734	0.1638	0.19532	2.21E-01	4.71E-01	3.18E-02	1.44E-02	7.38E-01	2.17E-01	2.04E-05	3.48E-04	4.20E-04	2.18E-01	2.64E-01	4.71E-01	3.18E-02	1.44E-02	7.81E-01
3231	474363.09	3847377.25	1.57466	0.80046	0.1675	0.19435	2.58E-01	6.21E-01	3.25E-02	1.43E-02	9.25E-01	2.54E-01	2.69E-05	3.56E-04	4.18E-04	2.55E-01	3.08E-01	6.21E-01	3.25E-02	1.43E-02	9.76E-01
3232	474863.09	3847377.25	1.07796	1.00523	0.1696	0.17869	1.76E-01	7.80E-01	3.29E-02	1.32E-02	1.00E+00	1.74E-01	3.38E-05	3.61E-04	3.85E-04	1.74E-01	2.11E-01	7.80E-01	3.29E-02	1.32E-02	1.04E+00
3233	475363.09	3847377.25	1.12693	1.09323	0.1689	0.16516	1.84E-01	8.48E-01	3.28E-02	1.22E-02	1.08E+00	1.82E-01	3.67E-05	3.59E-04	3.56E-04	1.82E-01	2.21E-01	8.48E-01	3.28E-02	1.22E-02	1.11E+00
3234	475863.09	3847377.25	1.01187	1.20925	0.1719	0.18086	1.66E-01	9.38E-01	3.33E-02	1.33E-02	1.15E+00	1.63E-01	4.06E-05	3.65E-04	3.89E-04	1.64E-01	1.98E-01	9.38E-01	3.33E-02	1.33E-02	1.18E+00
3235	476363.09	3847377.25	1.48352	1.18397	0.1765	0.20048	2.43E-01	9.18E-01	3.42E-02	1.48E-02	1.21E+00	2.39E-01	3.98E-05	3.75E-04	4.32E-04	2.40E-01	2.90E-01	9.18E-01	3.42E-02	1.48E-02	1.26E+00
3236	476863.09	3847377.25	2.45294	0.92431	0.18	0.20277	4.01E-01	7.17E-01	3.49E-02	1.49E-02	1.17E+00	3.95E-01	3.10E-05	3.83E-04	4.37E-04	3.96E-01	4.80E-01	7.17E-01	3.49E-02	1.49E-02	1.25E+00
3237	477363.09	3847377.25	2.59221	0.86848	0.1815	0.22352	4.24E-01	6.74E-01	3.52E-02	1.65E-02	1.15E+00	4.18E-01	2.92E-05	3.86E-04	4.81E-04	4.19E-01	5.07E-01	6.74E-01	3.52E-02	1.65E-02	1.23E+00
3238	477863.09	3847377.25	2.37557	0.63425	0.1875	0.24229	3.89E-01	4.92E-01	3.64E-02	1.78E-02	9.35E-01	3.83E-01	2.13E-05	3.99E-04	5.22E-04	3.84E-01	4.65E-01	4.92E-01	3.64E-02	1.78E-02	1.01E+00
3239	478363.09	3847377.25	1.99288	0.63195	0.2177	0.23683	3.26E-01	4.90E-01	4.22E-02	1.74E-02	8.76E-01	3.21E-01	2.12E-05	4.63E-04	5.10E-04	3.22E-01	3.90E-01	4.90E-01	4.22E-02	1.74E-02	9.40E-01
3240	478863.09	3847377.25	1.23855	0.62028	0.2564	0.22966	2.03E-01	4.81E-01	4.97E-02	1.69E-02	7.50E-01	2.00E-01	2.08E-05	5.45E-04	4.94E-04	2.01E-01	2.42E-01	4.81E-01	4.97E-02	1.69E-02	7.90E-01
3241	479363.09	3847377.25	1.39115	0.44208	0.2656	0.2739	2.28E-01	3.43E-01	5.15E-02	2.02E-02	6.42E-01	2.24E-01	1.49E-05	5.65E-04	5.90E-04	2.25E-01	2.72E-01	3.43E-01	5.15E-02	2.02E-02	6.87E-01
3242	479863.09	3847377.25	0.98448	0.30263	0.2743	0.29952	1.61E-01	2.35E-01	5.32E-02	2.21E-02	4.71E-01	1.59E-01	1.02E-05	5.83E-04	6.45E-04	1.60E-01	1.93E-01	2.35E-01	5.32E-02	2.21E-02	5.03E-01
3243	480363.09	3847377.25	0.55013	0.25484	0.2544	0.31396	9.00E-02	1.98E-01	4.93E-02	2.31E-02	3.60E-01	8.86E-02	8.56E-06	5.41E-04	6.76E-04	8.99E-02	1.08E-01	1.98E-01	4.93E-02	2.31E-02	3.78E-01
3244	480863.09	3847377.25	0.46447	0.23836	0.2429	0.26929	7.60E-02	1.85E-01	4.71E-02	1.98E-02	3.28E-01	7.48E-02	8.01E-06	5.16E-04	5.80E-04	7.59E-02	9.09E-02	1.85E-01	4.71E-02	1.98E-02	3.43E-01
3245	481363.09	3847377.25	0.6278	0.25026	0.2492	0.26283	1.03E-01	1.94E-01	4.83E-02	1.94E-02	3.64E-01	1.01E-01	8.41E-06	5.30E-04	5.66E-04	1.02E-01	1.23E-01	1.94E-01	4.83E-02	1.94E-02	3.85E-01
3246	481863.09	3847377.25	0.75418	0.26718	0.2613	0.31568	1.23E-01	2.07E-01	5.07E-02	2.32E-02	4.05E-01	1.22E-01	8.97E-06	5.56E-04	6.80E-04	1.23E-01	1.48E-01	2.07E-01	5.07E-02	2.32E-02	4.29E-01
3247	482363.09	3847377.25	0.66431	0.23193	0.249	0.32097	1.09E-01	1.80E-01	4.83E-02	2.36E-02	3.60E-01	1.07E-01	7.79E-06	5.29E-04	6.91E-04	1.08E-01	1.30E-01	1.80E-01	4.83E-02	2.36E-02	3.82E-01
3248	482863.09	3847377.25	0.59302	0.20785	0.2287	0.31715	9.70E-02	1.61E-01	4.43E-02	2.33E-02	3.26E-01	9.56E-02	6.98E-06	4.86E-04	6.83E-04	9.67E-02	1.16E-01	1.61E-01	4.43E-02	2.33E-02	3.45E-01
3249	483363.09	3847377.25	0.54926	0.1853	0.2292	0.32693	8.98E-02	1.44E-01	4.44E-02	2.41E-02	3.02E-01	8.85E-02	6.22E-06	4.87E-04	7.04E-04	8.97E-02	1.07E-01	1.44E-01	4.44E-02	2.41E-02	3.20E-01
3250	483863.09	3847377.25	0.51489	0.18517	0.2426	0.28722	8.42E-02	1.44E-01	4.70E-02	2.11E-02	2.96E-01	8.30E-02	6.22E-06	5.16E-04	6.18E-04	8.41E-02	1.01E-01	1.44E-01	4.70E-02	2.11E-02	3.13E-01
3251	484363.09	3847377.25	0.50095	0.19276	0.2588	0.31555	8.19E-02	1.50E-01	5.02E-02	2.32E-02	3.05E-01	8.07E-02	6.48E-06	5.50E-04	6.79E-04	8.20E-02	9.80E-02	1.50E-01	5.02E-02	2.32E-02	3.21E-01
3252	484863.09	3847377.25	0.44461	0.16995	0.27	0.28035	7.27E-02	1.32E-01	5.24E-02	2.06E-02	2.78E-01	7.16E-02	5.71E-06	5.74E-04	6.04E-04	7.28E-02	8.70E-02	1.32E-01	5.24E-02	2.06E-02	2.92E-01
3253	485363.09	3847377.25	0.40946	0.17317	0.2755	0.28539	6.70E-02	1.34E-01	5.34E-02	2.10E-02	2.76E-01	6.60E-02	5.82E-06	5.86E-04	6.14E-04	6.72E-02	8.01E-02	1.34E-01	5.34E-02	2.10E-02	2.89E-01
3254	485863.09	3847377.25	0.38973	0.16967	0.2727	0.2899	6.37E-02	1.32E-01	5.29E-02	2.13E-02	2.70E-01	6.28E-02	5.70E-06	5.80E-04	6.24E-04	6.40E-02	7.63E-02	1.32E-01	5.29E-02	2.13E-02	2.82E-01
3255	486363.09	3847377.25	0.36117	0.16282	0.2689	0.25806	5.91E-02	1.26E-01	5.21E-02	1.90E-02	2.57E-01	5.82E-02	5.47E-06	5.72E-04	5.56E-04	5.93E-02	7.07E-02	1.26E-01	5.21E-02	1.90E-02	2.68E-01
3256	486863.09	3847377.25	0.32883	0.14588	0.2716	0.27281	5.38E-02	1.13E-01	5.27E-02	2.01E-02	2.40E-01	5.30E-02	4.90E-06	5.77E-04	5.87E-04	5.42E-02	6.43E-02	1.13E-01	5.27E-02	2.01E-02	2.50E-01
3257	487363.09	3847377.25	0.34356	0.13525	0.2367	0.30094	5.62E-02	1.05E-01	4.59E-02	2.22E-02	2.29E-01	5.54E-02	4.54E-06	5.03E-04	6.48E-04	5.65E-02	6.72E-02	1.05E-01	4.59E-02	2.22E-02	2.40E-01
3258	487863.09	3847377.25	0.30267	0.12259	0.249	0.28102	4.95E-02	9.51E-02	4.83E-02	2.07E-02	2.14E-01	4.88E-02	4.12E-06	5.29E-04	6.05E-04	4.99E-02	5.92E-02	9.51E-02	4.83E-02	2.07E-02	2.23E-01
3259	488363.09	3847377.25	0.27184	0.13208	0.2514	0.25304	4.45E-02	1.02E-01	4.87E-02	1.86E-02	2.14E-01	4.38E-02	4.44E-06	5.34E-04	5.45E-04	4.49E-02	5.32E-02	1.02E-01	4.87E-02	1.86E-02	2.23E-01
3260	488863.09	3847377.25	0.26851	0.12177	0.2516	0.27067	4.39E-02	9.45E-02	4.88E-02	1.99E-02	2.07E-01	4.33E-02	4.09E-06	5.35E-04	5.83E-04	4.44E-02	5.25E-02	9.45E-02	4.88E-02	1.99E-02	2.16E-01
3261	489363.09	3847377.25	0.26835	0.12076	0.2504	0.28107	4.39E-02	9.37E-02	4.85E-02	2.07E-02	2.07E-01	4.32E-02	4.06E-06	5.32E-04	6.05E-04	4.44E-02	5.25E-02	9.37E-02	4.85E-02	2.07E-02	2.15E-01
3262	489863.09	3847377.25	0.23517	0.12493	0.2671	0.2912	3.85E-02	9.69E-02	5.18E-02	2.14E-02	2.09E-01	3.79E-02	4.20E-06	5.68E-04	6.27E-04	3.91E-02	4.60E-02	9.69E-02	5.18E-02	2.14E-02	2.16E-01
3263	490363.09	3847377.25	0.22011	0.11883	0.3043	0.28783	3.60E-02	9.22E-02	5.90E-02	2.12E-02	2.08E-01	3.55E-02	3.99E-06	6.47E-04	6.20E-04	3.67E-02	4.31E-02	9.22E-02	5.90E-02	2.12E-02	2.15E-01
3264	490863.09	3847377.25	0.21949	0.11163	0.3316	0.30643	3.59E-02	8.66E-02	6.43E-02	2.26E-02	2.09E-01	3.54E-02	3.75E-06	7.05E-04	6.60E-04	3.67E-02	4.29E-02	8.66E-02	6.43E-02	2.26E-02	2.16E-01
3265	491363.09	3847377.25	0.22506	0.11112	0.2878	0.30031	3.68E-02	8.62E-02	5.58E-02	2.21E-02	2.01E-01	3.63E-02	3.73E-06	6.12E-04	6.46E-04	3.75E-02	4.40E-02	8.62E-02	5.58E-02	2.21E-02	2.08E-01
3266	491863.09	3847377.25	0.23087	0.11763	0.3342	0.31643	3.78E-02	9.12E-02	6.48E-02	2.33E-02	2.17E-01	3.72E-02	3.95E-06	7.11E-04	6.81E-04	3.86E-02	4.52E-02	9.13E-02	6.48E-02	2.33E-02	2.25E-01
3267	492363.09	3847377.25	0.22229	0.11409	0.3338	0.35934	3.64E-02	8.85E-02	6.47E-02	2.65E-02	2.16E-01	3.58E-02	3.83E-06	7.10E-04	7.74E-04	3.73E-02	4.35E-02	8.85E-02	6.47E-02	2.65E-02	2.23E-01
3268	492863.09	3847377.25	0.23049	0.11816	0.3073	0.38081	3.77E-02	9.17E-02	5.96E-02	2.80E-02	2.17E-01	3.71E-02	3.97E-06	6.53E-04	8.20E-04	3.86E-02	4.51E-02	9.17E-02	5.96E-02	2.80E-02	2.24E-01
3269	493363.09	3847377.25	0.2211	0.11848	0.3424	0.39447	3.62E-02	9.19E-02	6.64E-02	2.90E-02	2.24E-01	3.56E-02	3.98E-06	7.28E-04	8.49E-04	3.72E-02	4.33E-02	9.19E-02	6.64E-02	2.90E-02	2.31E-01
3270	493863.09	3847377.25	0.21353	0.11465	0.383	0.37558	3.49E-02	8.89E-02	7.43E-02	2.77E-02	2.26E-01	3.44E-02	3.85E-06	8.14E-04	8.09E-04	3.60E-02	4.18E-02	8.89E-02	7.43E-02	2.77E-02	2.33E-01
3271	494363.09	3847377.25	0.20564	0.11362	0.4056	0.368	3.36E-02	8.81E-02	7.86E-02	2.71E-02	2.28E-01	3.31E-02	3.82E-06	8.62E-04	7.92E-04	3.48E-02	4.02E-02	8.81E-02	7.86E-02	2.71E-02	2.34E-01
3272	494863.09	3847377.25	0.20694	0.12317	0.4492	0.37256	3.38E-02	9.55E-02	8.71E-02	2.74E-02	2.44E-01	3.33E-02	4.14E-06	9.55E-04	8.02E-04	3.51E-02	4.05E-02	9.55E-02	8.71E-02	2.74E-02	2.51E-01
3273	495363.09	3847377.25	0.21431	0.12014	0.3561	0.3857	3.51E-02	9.32E-02	6.90E-02	2.84E-02	2.26E-01	3.45E-02	4.04E-06	7.57E-04	8.30E-04	3.61E-02	4.19E-02	9.32E-02	6.90E-02	2.84E-02	2.33E-01
3274	495863.09	3847377.25	0.21996	0.11929	0.3188	0.40197	3.60E-02	9.25E-02	6.18E-02	2.96E-02	2.20E-01	3.54E-02	4.01E-06	6.78E-04	8.65E-04	3.70E-02	4.30E-02	9.25E-02	6.18E-02	2.96E-02	2.27E-01
3275	496363.09	3847377.25	0.22619	0.12211	0.3958	0.372	3.70E-02	9.47E-02	7.67E-02	2.74E-02	2.36E-01	3.64E-02	4.10E-06	8.42E-04	8.01E-04	3.81E-02	4.43E-02	9.47E-02	7.67E-02	2.74E-02	2.43E-01
3276	496863.09	3847377.25	0.23105	0.12115	0.5221	0.38864	3.78E-02	9.40E-02	1.01E-01	2.86E-02	2.62E-01	3.72E-02	4.07E-06	1.11E-03	8.37E-04	3.92E-02	4.52E-02	9.40E-02	1.01E-01	2.86E-02	2.69E-01
3277	497363.09	3847377.25	0.2337	0.12713	0.6545	0.3913	3.82E-02	9.86E-02	1.27E-01	2.88E-02	2.93E-01	3.77E-02	4.27E-06	1.39E-03	8.42E-04	3.99E-02	4.57E-02	9.86E-02	1.27E-01	2.88E-02	3.00E-01
3278	497863.09	3847377.25	0.25608	0.1432	0.676	0.42432	4.19E-02	1.11E-01	1.31E-01	3.12E-02	3.15E-01	4.13E-02	4.81E-06	1.44E-03	9.13E-04	4.36E-02	5.01E-02	1.11E-01	1.31E-01	3.12E-02	3.24E-01
3279	498363.09	3847377.25	0.2593	0.15548	0.9233	0.44521	4.24E-02	1.21E-01	1.79E-01	3.28E-02	3.75E-01	4.18E-02	5.22E-06	1.96E-03	9.58E-04	4.47E-02	5.07E-02	1.21E-01	1.79E-01	3.28E-02	3.83E-01
3280	471363.09	3847877.25	2.14923	1.0269	0.1649	0.24319	3.52E-01	7.97E-01	3.20E-02	1.79E-02	1.20E+00	3.46E-01	3.45E-05	3.51E-04	5.24E-04	3.47E-01	4.21E-01	7.97E-01	3.20E-02	1.79E-02	1.27E+00
3281	471863.09	3847877.25	1.86137	1.13056	0.172	0.23326	3.04E-01	8.77E-01	3.34E-02	1.72E-02	1.23E+00	3.00E-01	3.80E-05	3.66E-04	5.02E-04	3.01E-01	3.64E-01	8.77E-01	3.34E-02	1.72E-02	1.29E+00
3282	472363.09	3847877.25	1.8403	1.30503	0.1776	0.23378	3.01E-01	1.01E+00	3.44E-02	1.72E-02	1.36E+00	2.97E-01	4.38E-05	3.78E-04	5.03E-04	2.97E-01	3.60E-01	1.01E+00	3.44E-02	1.72E-02	1.42E+00
3283	472863.09	3847877.25	1.68134	1.34536	0.1723	0.23575	2.75E-01	1.04E+00	3.34E-02	1.74E-02	1.37E+00	2.71E-01	4.52E-05	3.66E-04	5.08E-04	2.72E-01	3.29E-01	1.04E+00	3.34E-02	1.74E-02	1.42E+00
3284	473363.09	3847877.25	1.6893	1.06867	0.1691	0.20918	2.76E-01	8.29E-01	3.28E-02	1.54E-02	1.15E+00	2.72E-01	3.59E-05	3.59E-04	4.50E-04	2.73E-01	3.31E-01	8.29E-01	3.28E-02	1.54E-02	1.21E+00
3285	473863.09	3847877.25	1.48866	0.973	0.1697	0.21175	2.43E-01	7.55E-01	3.29E-02	1.56E-02	1.05E+00	2.40E-01	3.27E-05	3.61E-04	4.56E-04	2.41E-01	2.91E-01	7.55E-01	3.29E-02	1.56E-02	1.09E+00
3286	474363.09	3847877.25	1.51846	0.76597	0.1701	0.20599	2.48E-01	5.94E-01	3.30E-02	1.52E-02	8.91E-01	2.45E-01	2.57E-05	3.62E-04	4.43E-04	2.46E-01	2.97E-01	5.94E-01	3.30E-02	1.52E-02	9.39E-01
3287	474863.09	3847877.25	1.55369	0.93742	0.1741	0.20869	2.54E-01	7.27E-01	3.38E-02	1.54E-02	1.03E+00	2.50E-01	3.15E-05	3.70E-04	4.49E-04	2.51E-01	3.04E-01	7.27E-01	3.38E-02	1.54E-02	1.08E+00
3288	475363.09	3847877.25	1.21087	1.14159	0.1771	0.19334	1.98E-01	8.86E-01	3.43E-02	1.42E-02	1.13E+00	1.95E-01	3.83E-05	3.77E-04	4.16E-04	1.96E-01	2.37E-01	8.86E-01	3.43E-02	1.42E-02	1.17E+00
3289	475863.09	3847877.25	1.16747	1.19153	0.1757	0.17399	1.91E-01	9.24E-01	3.41E-02	1.28E-02	1.16E+00	1.88E-01	4.00E-05	3.74E-04	3.75E-04	1.89E-01	2.28E-01	9.24E-01	3.41E-02	1.28E-02	1.20E+00
3290	476363.09	3847877.25	1.49921	1.43018	0.1801	0.19188	2.45E-01	1.11E+00	3.49E-02	1.41E-02	1.40E+00	2.42E-01	4.80E-05	3.83E-04	4.13E-04	2.42E-01	2.93E-01	1.11E+00	3.49E-02	1.41E-02	1.45E+00

3291	476863.09	3847877.25	1.7387	1.25075	0.1834	0.20883	2.84E-01	9.70E-01	3.56E-02	1.54E-02	1.31E+00	2.80E-01	4.20E-05	3.90E-04	4.50E-04	2.81E-01	3.40E-01	9.70E-01	3.56E-02	1.54E-02	1.36E+00
3292	477363.09	3847877.25	2.85676	1.05964	0.1882	0.21387	4.67E-01	8.22E-01	3.65E-02	1.57E-02	1.34E+00	4.60E-01	3.56E-05	4.00E-04	4.60E-04	4.61E-01	5.59E-01	8.22E-01	3.65E-02	1.57E-02	1.43E+00
3293	477863.09	3847877.25	2.99179	0.93878	0.1926	0.24417	4.89E-01	7.28E-01	3.74E-02	1.80E-02	1.27E+00	4.82E-01	3.15E-05	4.10E-04	5.26E-04	4.83E-01	5.85E-01	7.28E-01	3.74E-02	1.80E-02	1.37E+00
3294	478363.09	3847877.25	2.6997	0.71373	0.1956	0.24743	4.42E-01	5.54E-01	3.79E-02	1.82E-02	1.05E+00	4.35E-01	2.40E-05	4.16E-04	5.33E-04	4.36E-01	5.28E-01	5.54E-01	3.79E-02	1.82E-02	1.14E+00
3295	478863.09	3847877.25	2.06898	0.70595	0.2465	0.25136	3.38E-01	5.48E-01	4.78E-02	1.85E-02	9.52E-01	3.33E-01	2.37E-05	5.24E-04	5.41E-04	3.34E-01	4.05E-01	5.48E-01	4.78E-02	1.85E-02	1.02E+00
3296	479363.09	3847877.25	1.24792	0.43847	0.2604	0.25581	2.04E-01	3.40E-01	5.05E-02	1.88E-02	6.14E-01	2.01E-01	1.47E-05	5.54E-04	5.51E-04	2.02E-01	2.44E-01	3.40E-01	5.05E-02	1.88E-02	6.54E-01
3297	479863.09	3847877.25	0.72355	0.2693	0.2767	0.29971	1.18E-01	2.09E-01	5.37E-02	2.21E-02	4.03E-01	1.17E-01	9.05E-06	5.88E-04	6.45E-04	1.18E-01	1.42E-01	2.09E-01	5.37E-02	2.21E-02	4.26E-01
3298	480363.09	3847877.25	0.71157	0.27401	0.2856	0.32802	1.16E-01	2.13E-01	5.54E-02	2.42E-02	4.08E-01	1.15E-01	9.20E-06	6.07E-04	7.06E-04	1.16E-01	1.39E-01	2.13E-01	5.54E-02	2.42E-02	4.31E-01
3299	480863.09	3847877.25	0.67617	0.25627	0.2656	0.31611	1.11E-01	1.99E-01	5.15E-02	2.33E-02	3.84E-01	1.09E-01	8.61E-06	5.65E-04	6.81E-04	1.10E-01	1.32E-01	1.99E-01	5.15E-02	2.33E-02	4.06E-01
3300	481363.09	3847877.25	0.64085	0.26147	0.25	0.29312	1.05E-01	2.03E-01	4.85E-02	2.16E-02	3.78E-01	1.03E-01	8.78E-06	5.32E-04	6.31E-04	1.04E-01	1.25E-01	2.03E-01	4.85E-02	2.16E-02	3.98E-01
3301	481863.09	3847877.25	1.1516	0.29971	0.2829	0.35293	1.88E-01	2.32E-01	5.49E-02	2.60E-02	5.02E-01	1.86E-01	1.01E-05	6.01E-04	7.60E-04	1.87E-01	2.25E-01	2.32E-01	5.49E-02	2.60E-02	5.39E-01
3302	482363.09	3847877.25	0.77993	0.27334	0.2795	0.33851	1.28E-01	2.12E-01	5.42E-02	2.49E-02	4.19E-01	1.26E-01	9.18E-06	5.94E-04	7.29E-04	1.27E-01	1.53E-01	2.12E-01	5.42E-02	2.49E-02	4.44E-01
3303	482863.09	3847877.25	0.68984	0.22786	0.2531	0.33974	1.13E-01	1.77E-01	4.91E-02	2.50E-02	3.64E-01	1.11E-01	7.65E-06	5.38E-04	7.31E-04	1.12E-01	1.35E-01	1.77E-01	4.91E-02	2.50E-02	3.86E-01
3304	483363.09	3847877.25	0.6044	0.21311	0.2333	0.36048	9.89E-02	1.65E-01	4.52E-02	2.65E-02	3.36E-01	9.74E-02	7.16E-06	4.96E-04	7.76E-04	9.87E-02	1.18E-01	1.65E-01	4.52E-02	2.65E-02	3.55E-01
3305	483863.09	3847877.25	0.62115	0.20421	0.244	0.30368	1.02E-01	1.58E-01	4.73E-02	2.24E-02	3.30E-01	1.00E-01	6.86E-06	5.19E-04	6.54E-04	1.01E-01	1.22E-01	1.58E-01	4.73E-02	2.24E-02	3.50E-01
3306	484363.09	3847877.25	0.57818	0.20972	0.2745	0.32123	9.46E-02	1.63E-01	5.32E-02	2.37E-02	3.34E-01	9.32E-02	7.04E-06	5.84E-04	6.92E-04	9.44E-02	1.13E-01	1.63E-01	5.32E-02	2.37E-02	3.53E-01
3307	484863.09	3847877.25	0.53718	0.19977	0.2834	0.29567	8.79E-02	1.55E-01	5.50E-02	2.18E-02	3.20E-01	8.66E-02	6.71E-06	6.03E-04	6.37E-04	8.78E-02	1.05E-01	1.55E-01	5.50E-02	2.18E-02	3.37E-01
3308	485363.09	3847877.25	0.51537	0.2	0.289	0.29276	8.43E-02	1.55E-01	5.60E-02	2.16E-02	3.17E-01	8.30E-02	6.72E-06	6.14E-04	6.30E-04	8.43E-02	1.01E-01	1.55E-01	5.60E-02	2.16E-02	3.34E-01
3309	485863.09	3847877.25	0.48365	0.19645	0.2835	0.29972	7.91E-02	1.52E-01	5.50E-02	2.21E-02	3.09E-01	7.79E-02	6.60E-06	6.03E-04	6.45E-04	7.92E-02	9.46E-02	1.52E-01	5.50E-02	2.21E-02	3.24E-01
3310	486363.09	3847877.25	0.41149	0.18075	0.2829	0.29258	6.73E-02	1.40E-01	5.49E-02	2.15E-02	2.84E-01	6.63E-02	6.07E-06	6.01E-04	6.30E-04	6.75E-02	8.05E-02	1.40E-01	5.49E-02	2.15E-02	2.97E-01
3311	486863.09	3847877.25	0.38811	0.16385	0.2845	0.29459	6.35E-02	1.27E-01	5.52E-02	2.17E-02	2.67E-01	6.25E-02	5.50E-06	6.05E-04	6.34E-04	6.38E-02	7.59E-02	1.27E-01	5.52E-02	2.17E-02	2.80E-01
3312	487363.09	3847877.25	0.39535	0.14292	0.2513	0.31639	6.47E-02	1.11E-01	4.87E-02	2.33E-02	2.48E-01	6.37E-02	4.80E-06	5.34E-04	6.81E-04	6.49E-02	7.74E-02	1.11E-01	4.87E-02	2.33E-02	2.60E-01
3313	487863.09	3847877.25	0.35358	0.1349	0.2614	0.28465	5.78E-02	1.05E-01	5.07E-02	2.10E-02	2.34E-01	5.70E-02	4.53E-06	5.56E-04	6.13E-04	5.81E-02	6.92E-02	1.05E-01	5.07E-02	2.10E-02	2.45E-01
3314	488363.09	3847877.25	0.31166	0.14062	0.2694	0.28133	5.10E-02	1.09E-01	5.22E-02	2.07E-02	2.33E-01	5.02E-02	4.72E-06	5.73E-04	6.06E-04	5.14E-02	6.10E-02	1.09E-01	5.22E-02	2.07E-02	2.43E-01
3315	488863.09	3847877.25	0.29907	0.12807	0.2712	0.29278	4.89E-02	9.93E-02	5.26E-02	2.16E-02	2.22E-01	4.82E-02	4.30E-06	5.77E-04	6.30E-04	4.94E-02	5.85E-02	9.93E-02	5.26E-02	2.16E-02	2.32E-01
3316	489363.09	3847877.25	0.28839	0.12661	0.2802	0.29476	4.72E-02	9.82E-02	5.43E-02	2.17E-02	2.21E-01	4.65E-02	4.25E-06	5.96E-04	6.35E-04	4.77E-02	5.64E-02	9.82E-02	5.43E-02	2.17E-02	2.31E-01
3317	489863.09	3847877.25	0.29562	0.14442	0.2972	0.30652	4.84E-02	1.12E-01	5.76E-02	2.26E-02	2.41E-01	4.76E-02	4.85E-06	6.32E-04	6.60E-04	4.89E-02	5.78E-02	1.12E-01	5.76E-02	2.26E-02	2.50E-01
3318	490363.09	3847877.25	0.2899	0.12859	0.3368	0.32241	4.74E-02	9.97E-02	6.53E-02	2.37E-02	2.36E-01	4.67E-02	4.32E-06	7.16E-04	6.94E-04	4.81E-02	5.67E-02	9.98E-02	6.53E-02	2.37E-02	2.46E-01
3319	490863.09	3847877.25	0.28637	0.13354	0.3768	0.31645	4.68E-02	1.04E-01	7.31E-02	2.33E-02	2.47E-01	4.61E-02	4.49E-06	8.01E-04	6.81E-04	4.76E-02	5.60E-02	1.04E-01	7.31E-02	2.33E-02	2.56E-01
3320	491363.09	3847877.25	0.26058	0.12914	0.2946	0.33659	4.26E-02	1.00E-01	5.71E-02	2.48E-02	2.25E-01	4.20E-02	4.34E-06	6.26E-04	7.25E-04	4.33E-02	5.10E-02	1.00E-01	5.71E-02	2.48E-02	2.33E-01
3321	491863.09	3847877.25	0.25282	0.12896	0.3591	0.37652	4.14E-02	1.00E-01	6.96E-02	2.77E-02	2.39E-01	4.07E-02	4.33E-06	7.63E-04	8.11E-04	4.23E-02	4.95E-02	1.00E-01	6.96E-02	2.77E-02	2.47E-01
3322	492363.09	3847877.25	0.25831	0.13225	0.3366	0.38579	4.22E-02	1.03E-01	6.53E-02	2.84E-02	2.39E-01	4.16E-02	4.44E-06	7.16E-04	8.31E-04	4.32E-02	5.05E-02	1.03E-01	6.53E-02	2.84E-02	2.47E-01
3323	492863.09	3847877.25	0.23807	0.12594	0.3343	0.40791	3.89E-02	9.77E-02	6.48E-02	3.00E-02	2.31E-01	3.84E-02	4.23E-06	7.11E-04	8.78E-04	4.00E-02	4.66E-02	9.77E-02	6.48E-02	3.00E-02	2.39E-01
3324	493363.09	3847877.25	0.21925	0.11648	0.3784	0.40386	3.59E-02	9.04E-02	7.34E-02	2.97E-02	2.29E-01	3.53E-02	3.91E-06	8.05E-04	8.69E-04	3.70E-02	4.29E-02	9.04E-02	7.34E-02	2.97E-02	2.36E-01
3325	493863.09	3847877.25	0.20917	0.11598	0.4137	0.38471	3.42E-02	9.00E-02	8.02E-02	2.83E-02	2.33E-01	3.37E-02	3.90E-06	8.80E-04	8.28E-04	3.54E-02	4.09E-02	9.00E-02	8.02E-02	2.83E-02	2.39E-01
3326	494363.09	3847877.25	0.21168	0.11712	0.4547	0.37842	3.46E-02	9.08E-02	8.82E-02	2.79E-02	2.41E-01	3.41E-02	3.93E-06	9.67E-04	8.15E-04	3.59E-02	4.14E-02	9.09E-02	8.82E-02	2.79E-02	2.48E-01
3327	494863.09	3847877.25	0.21314	0.12197	0.3916	0.38719	3.49E-02	9.46E-02	7.59E-02	2.85E-02	2.34E-01	3.43E-02	4.10E-06	8.33E-04	8.34E-04	3.60E-02	4.17E-02	9.46E-02	7.59E-02	2.85E-02	2.41E-01
3328	495363.09	3847877.25	0.21142	0.11462	0.3379	0.38517	3.46E-02	8.89E-02	6.55E-02	2.84E-02	2.17E-01	3.41E-02	3.85E-06	7.18E-04	8.29E-04	3.56E-02	4.14E-02	8.89E-02	6.55E-02	2.84E-02	2.24E-01
3329	495863.09	3847877.25	0.18586	0.11214	0.3845	0.36074	3.04E-02	8.70E-02	7.46E-02	2.66E-02	2.18E-01	2.99E-02	3.77E-06	8.17E-04	7.77E-04	3.15E-02	3.64E-02	8.70E-02	7.46E-02	2.66E-02	2.24E-01
3330	496363.09	3847877.25	0.21549	0.11889	0.5039	0.38638	3.52E-02	9.22E-02	9.77E-02	2.84E-02	2.54E-01	3.47E-02	3.99E-06	1.07E-03	8.32E-04	3.66E-02	4.22E-02	9.22E-02	9.77E-02	2.84E-02	2.61E-01
3331	496863.09	3847877.25	0.21246	0.11929	0.6736	0.37587	3.48E-02	9.25E-02	1.31E-01	2.77E-02	2.86E-01	3.42E-02	4.01E-06	1.43E-03	8.09E-04	3.65E-02	4.16E-02	9.25E-02	1.31E-01	2.77E-02	2.92E-01
3332	497363.09	3847877.25	0.22412	0.1259	0.6988	0.40602	3.67E-02	9.77E-02	1.36E-01	2.99E-02	3.00E-01	3.61E-02	4.23E-06	1.49E-03	8.74E-04	3.85E-02	4.39E-02	9.77E-02	1.36E-01	2.99E-02	3.07E-01
3333	497863.09	3847877.25	0.26197	0.15904	0.9406	0.46331	4.28E-02	1.23E-01	1.82E-01	3.41E-02	3.83E-01	4.22E-02	5.34E-06	2.00E-03	9.97E-04	4.52E-02	5.13E-02	1.23E-01	1.82E-01	3.41E-02	3.91E-01
3334	498363.09	3847877.25	0.28189	0.15248	0.868	0.46153	4.61E-02	1.18E-01	1.68E-01	3.40E-02	3.67E-01	4.54E-02	5.12E-06	1.85E-03	9.94E-04	4.83E-02	5.52E-02	1.18E-01	1.68E-01	3.40E-02	3.76E-01
3335	471363.09	3848377.25	1.71723	1.18197	0.1697	0.2923	2.81E-01	9.17E-01	3.29E-02	2.15E-02	1.25E+00	2.77E-01	3.97E-05	3.61E-04	6.29E-04	2.78E-01	3.36E-01	9.17E-01	3.29E-02	2.15E-02	1.31E+00
3336	471863.09	3848377.25	1.99417	1.21105	0.171	0.27345	3.26E-01	9.39E-01	3.32E-02	2.01E-02	1.32E+00	3.21E-01	4.07E-05	3.64E-04	5.89E-04	3.22E-01	3.90E-01	9.39E-01	3.32E-02	2.01E-02	1.38E+00
3337	472363.09	3848377.25	2.36266	1.20156	0.1746	0.25103	3.86E-01	9.32E-01	3.39E-02	1.85E-02	1.37E+00	3.81E-01	4.04E-05	3.71E-04	5.40E-04	3.82E-01	4.62E-01	9.32E-01	3.39E-02	1.85E-02	1.45E+00
3338	472863.09	3848377.25	2.11495	1.40199	0.1857	0.24365	3.46E-01	1.09E+00	3.60E-02	1.79E-02	1.49E+00	3.41E-01	4.71E-05	3.95E-04	5.25E-04	3.42E-01	4.14E-01	1.09E+00	3.60E-02	1.79E-02	1.56E+00
3339	473363.09	3848377.25	1.94457	1.48466	0.1835	0.24311	3.18E-01	1.15E+00	3.56E-02	1.79E-02	1.52E+00	3.13E-01	4.99E-05	3.90E-04	5.23E-04	3.14E-01	3.81E-01	1.15E+00	3.56E-02	1.79E-02	1.59E+00
3340	473863.09	3848377.25	1.98447	1.17784	0.1797	0.22944	3.25E-01	9.14E-01	3.48E-02	1.69E-02	1.29E+00	3.20E-01	3.96E-05	3.82E-04	4.94E-04	3.21E-01	3.88E-01	9.14E-01	3.48E-02	1.69E-02	1.35E+00
3341	474363.09	3848377.25	1.87014	1.05245	0.1763	0.21621	3.06E-01	8.16E-01	3.42E-02	1.59E-02	1.17E+00	3.01E-01	3.54E-05	3.75E-04	4.65E-04	3.02E-01	3.66E-01	8.16E-01	3.42E-02	1.59E-02	1.23E+00
3342	474863.09	3848377.25	1.66955	0.94904	0.1772	0.22043	2.73E-01	7.36E-01	3.44E-02	1.62E-02	1.06E+00	2.69E-01	3.19E-05	3.77E-04	4.75E-04	2.70E-01	3.27E-01	7.36E-01	3.44E-02	1.62E-02	1.11E+00
3343	475363.09	3848377.25	2.17164	1.1446	0.182	0.22214	3.55E-01	8.88E-01	3.53E-02	1.64E-02	1.29E+00	3.50E-01	3.84E-05	3.87E-04	4.78E-04	3.51E-01	4.25E-01	8.88E-01	3.53E-02	1.64E-02	1.36E+00
3344	475863.09	3848377.25	1.52823	1.37793	0.1847	0.21026	2.50E-01	1.07E+00	3.58E-02	1.55E-02	1.37E+00	2.46E-01	4.63E-05	3.93E-04	4.53E-04	2.47E-01	2.99E-01	1.07E+00	3.58E-02	1.55E-02	1.42E+00
3345	476363.09	3848377.25	1.34278	1.31144	0.1848	0.1838	2.20E-01	1.02E+00	3.58E-02	1.35E-02	1.29E+00	2.16E-01	4.41E-05	3.93E-04	3.96E-04	2.17E-01	2.63E-01	1.02E+00	3.58E-02	1.35E-02	1.33E+00
3346	476863.09	3848377.25	1.77749	1.6179	0.189	0.20449	2.91E-01	1.26E+00	3.66E-02	1.51E-02	1.60E+00	2.86E-01	5.43E-05	4.02E-04	4.40E-04	2.87E-01	3.48E-01	1.26E+00	3.66E-02	1.51E-02	1.65E+00
3347	477363.09	3848377.25	1.99963	1.3123	0.1905	0.21791	3.27E-01	1.02E+00	3.69E-02	1.60E-02	1.40E+00	3.22E-01	4.41E-05	4.05E-04	4.69E-04	3.23E-01	3.91E-01	1.02E+00	3.69E-02	1.60E-02	1.46E+00
3348	477863.09	3848377.25	3.16404	1.1663	0.1969	0.23644	5.18E-01	9.05E-01	3.82E-02	1.74E-02	1.48E+00	5.10E-01	3.92E-05	4.19E-04	5.09E-04	5.11E-01	6.19E-01	9.05E-01	3.82E-02	1.74E-02	1.58E+00
3349	478363.09	3848377.25	3.31403	0.96573	0.2041	0.26814	5.42E-01	7.49E-01	3.96E-02	1.97E-02	1.35E+00	5.34E-01	3.24E-05	4.34E-04	5.77E-04	5.35E-01	6.48E-01	7.49E-01	3.96E-02	1.97E-02	1.46E+00
3350	478863.09	3848377.25	2.93491	0.72309	0.2219	0.26098	4.80E-01	5.61E-01	4.30E-02	1.92E-02	1.10E+00	4.73E-01	2.43E-05	4.72E-04	5.62E-04	4.74E-01	5.74E-01	5.61E-01	4.30E-02	1.92E-02	1.20E+00
3351	479363.09	3848377.25	1.83333	0.54138	0.2469	0.24994	3.00E-01	4.20E-01	4.79E-02	1.84E-02	7.86E-01	2.95E-01	1.82E-05	5.25E-04	5.38E-04	2.96E-01	3.59E-01	4.20E-01	4.79E-02	1.84E-02	8.45E-01

3352	479863.09	3848377.25	0.44407	0.22438	0.2476	0.29268	7.26E-02	1.74E-01	4.80E-02	2.15E-02	3.16E-01	7.16E-02	7.54E-06	5.27E-04	6.30E-04	7.27E-02	8.69E-02	1.74E-01	4.80E-02	2.15E-02	3.31E-01
3353	480363.09	3848377.25	0.6933	0.26479	0.2893	0.3287	1.13E-01	2.05E-01	5.61E-02	2.42E-02	3.99E-01	1.12E-01	8.89E-06	6.15E-04	7.08E-04	1.13E-01	1.36E-01	2.05E-01	5.61E-02	2.42E-02	4.21E-01
3354	480863.09	3848377.25	0.9105	0.34548	0.2966	0.36761	1.49E-01	2.68E-01	5.75E-02	2.71E-02	5.01E-01	1.47E-01	1.16E-05	6.31E-04	7.91E-04	1.48E-01	1.78E-01	2.68E-01	5.75E-02	2.71E-02	5.31E-01
3355	481363.09	3848377.25	1.23219	0.33341	0.2904	0.33413	2.02E-01	2.59E-01	5.63E-02	2.46E-02	5.41E-01	1.99E-01	1.12E-05	6.18E-04	7.19E-04	2.00E-01	2.41E-01	2.59E-01	5.63E-02	2.46E-02	5.81E-01
3356	481863.09	3848377.25	1.26798	0.33682	0.2935	0.361	2.07E-01	2.61E-01	5.69E-02	2.66E-02	5.52E-01	2.04E-01	1.13E-05	6.24E-04	7.77E-04	2.06E-01	2.48E-01	2.61E-01	5.69E-02	2.66E-02	5.93E-01
3357	482363.09	3848377.25	1.14737	0.32325	0.2931	0.37328	1.88E-01	2.51E-01	5.68E-02	2.75E-02	5.23E-01	1.85E-01	1.09E-05	6.23E-04	8.04E-04	1.86E-01	2.25E-01	2.51E-01	5.68E-02	2.75E-02	5.60E-01
3358	482863.09	3848377.25	0.84929	0.27062	0.2842	0.35252	1.39E-01	2.10E-01	5.51E-02	2.60E-02	4.30E-01	1.37E-01	9.09E-06	6.04E-04	7.59E-04	1.38E-01	1.66E-01	2.10E-01	5.51E-02	2.60E-02	4.57E-01
3359	483363.09	3848377.25	0.8173	0.25252	0.2726	0.39494	1.34E-01	1.96E-01	5.29E-02	2.91E-02	4.11E-01	1.32E-01	8.48E-06	5.80E-04	8.50E-04	1.33E-01	1.60E-01	1.96E-01	5.29E-02	2.91E-02	4.38E-01
3360	483863.09	3848377.25	0.7062	0.22569	0.2566	0.31446	1.16E-01	1.75E-01	4.98E-02	2.32E-02	3.63E-01	1.14E-01	7.58E-06	5.46E-04	6.77E-04	1.15E-01	1.38E-01	1.75E-01	4.98E-02	2.32E-02	3.86E-01
3361	484363.09	3848377.25	0.62667	0.22168	0.2781	0.31347	1.02E-01	1.72E-01	5.39E-02	2.31E-02	3.51E-01	1.01E-01	7.45E-06	5.91E-04	6.75E-04	1.02E-01	1.23E-01	1.72E-01	5.39E-02	2.31E-02	3.72E-01
3362	484863.09	3848377.25	0.67065	0.23123	0.2897	0.32116	1.10E-01	1.79E-01	5.62E-02	2.36E-02	3.69E-01	1.08E-01	7.77E-06	6.16E-04	6.91E-04	1.09E-01	1.31E-01	1.79E-01	5.62E-02	2.36E-02	3.90E-01
3363	485363.09	3848377.25	0.60677	0.22559	0.2943	0.3039	9.92E-02	1.75E-01	5.71E-02	2.24E-02	3.54E-01	9.78E-02	7.58E-06	6.26E-04	6.54E-04	9.91E-02	1.19E-01	1.75E-01	5.71E-02	2.24E-02	3.73E-01
3364	485863.09	3848377.25	0.56562	0.21547	0.3176	0.33147	9.25E-02	1.67E-01	6.16E-02	2.44E-02	3.46E-01	9.11E-02	7.24E-06	6.75E-04	7.14E-04	9.25E-02	1.11E-01	1.67E-01	6.16E-02	2.44E-02	3.64E-01
3365	486363.09	3848377.25	0.51462	0.1978	0.2979	0.3333	8.42E-02	1.53E-01	5.78E-02	2.45E-02	3.20E-01	8.29E-02	6.64E-06	6.33E-04	7.18E-04	8.43E-02	1.01E-01	1.53E-01	5.78E-02	2.45E-02	3.36E-01
3366	486863.09	3848377.25	0.47182	0.18387	0.2984	0.32537	7.72E-02	1.43E-01	5.79E-02	2.40E-02	3.02E-01	7.60E-02	6.18E-06	6.35E-04	7.00E-04	7.74E-02	9.23E-02	1.43E-01	5.79E-02	2.40E-02	3.17E-01
3367	487363.09	3848377.25	0.4206	0.14848	0.2773	0.32143	6.88E-02	1.15E-01	5.38E-02	2.37E-02	2.61E-01	6.78E-02	4.99E-06	5.90E-04	6.92E-04	6.91E-02	8.23E-02	1.15E-01	5.38E-02	2.37E-02	2.75E-01
3368	487863.09	3848377.25	0.39939	0.14812	0.278	0.29422	6.53E-02	1.15E-01	5.39E-02	2.17E-02	2.56E-01	6.44E-02	4.98E-06	5.91E-04	6.33E-04	6.56E-02	7.82E-02	1.15E-01	5.39E-02	2.17E-02	2.69E-01
3369	488363.09	3848377.25	0.35336	0.15621	0.2838	0.31015	5.78E-02	1.21E-01	5.50E-02	2.28E-02	2.57E-01	5.69E-02	5.25E-06	6.03E-04	6.68E-04	5.82E-02	6.91E-02	1.21E-01	5.50E-02	2.28E-02	2.68E-01
3370	488863.09	3848377.25	0.34792	0.13831	0.2895	0.32284	5.69E-02	1.07E-01	5.61E-02	2.38E-02	2.44E-01	5.61E-02	4.65E-06	6.16E-04	6.95E-04	5.74E-02	6.81E-02	1.07E-01	5.61E-02	2.38E-02	2.55E-01
3371	489363.09	3848377.25	0.3249	0.14068	0.2992	0.32143	5.31E-02	1.09E-01	5.80E-02	2.37E-02	2.44E-01	5.24E-02	4.73E-06	6.36E-04	6.92E-04	5.37E-02	6.36E-02	1.09E-01	5.80E-02	2.37E-02	2.54E-01
3372	489863.09	3848377.25	0.33393	0.16495	0.3258	0.33958	5.46E-02	1.28E-01	6.32E-02	2.50E-02	2.71E-01	5.38E-02	5.54E-06	6.93E-04	7.31E-04	5.52E-02	6.53E-02	1.28E-01	6.32E-02	2.50E-02	2.81E-01
3373	490363.09	3848377.25	0.33401	0.14499	0.3732	0.34049	5.46E-02	1.12E-01	7.24E-02	2.51E-02	2.65E-01	5.38E-02	4.87E-06	7.93E-04	7.33E-04	5.54E-02	6.54E-02	1.12E-01	7.24E-02	2.51E-02	2.75E-01
3374	490863.09	3848377.25	0.30807	0.1438	0.426	0.34637	5.04E-02	1.12E-01	8.26E-02	2.55E-02	2.70E-01	4.96E-02	4.83E-06	9.06E-04	7.46E-04	5.13E-02	6.03E-02	1.12E-01	8.26E-02	2.55E-02	2.80E-01
3375	491363.09	3848377.25	0.29592	0.14378	0.3579	0.40022	4.84E-02	1.12E-01	6.94E-02	2.95E-02	2.59E-01	4.77E-02	4.83E-06	7.61E-04	8.62E-04	4.93E-02	5.79E-02	1.12E-01	6.94E-02	2.95E-02	2.68E-01
3376	491863.09	3848377.25	0.29563	0.14114	0.3682	0.37651	4.84E-02	1.09E-01	7.14E-02	2.77E-02	2.57E-01	4.76E-02	4.74E-06	7.83E-04	8.11E-04	4.92E-02	5.78E-02	1.09E-01	7.14E-02	2.77E-02	2.66E-01
3377	492363.09	3848377.25	0.24788	0.13272	0.3438	0.42222	4.05E-02	1.03E-01	6.67E-02	3.11E-02	2.41E-01	3.99E-02	4.46E-06	7.31E-04	9.09E-04	4.16E-02	4.85E-02	1.03E-01	6.67E-02	3.11E-02	2.49E-01
3378	492863.09	3848377.25	0.22299	0.12379	0.3898	0.42219	3.65E-02	9.60E-02	7.56E-02	3.11E-02	2.39E-01	3.59E-02	4.16E-06	8.29E-04	9.09E-04	3.77E-02	4.36E-02	9.60E-02	7.56E-02	3.11E-02	2.46E-01
3379	493363.09	3848377.25	0.2167	0.12065	0.4327	0.39743	3.54E-02	9.36E-02	8.39E-02	2.93E-02	2.42E-01	3.49E-02	4.05E-06	9.20E-04	8.56E-04	3.67E-02	4.24E-02	9.36E-02	8.39E-02	2.93E-02	2.49E-01
3380	493863.09	3848377.25	0.21554	0.11496	0.4395	0.39597	3.53E-02	8.92E-02	8.52E-02	2.92E-02	2.39E-01	3.47E-02	3.86E-06	9.34E-04	8.52E-04	3.65E-02	4.22E-02	8.92E-02	8.52E-02	2.92E-02	2.46E-01
3381	494363.09	3848377.25	0.20972	0.12113	0.4565	0.3864	3.43E-02	9.40E-02	8.85E-02	2.84E-02	2.45E-01	3.38E-02	4.07E-06	9.71E-04	8.32E-04	3.56E-02	4.10E-02	9.40E-02	8.85E-02	2.84E-02	2.52E-01
3382	494863.09	3848377.25	0.21802	0.11629	0.3522	0.38423	3.57E-02	9.02E-02	6.83E-02	2.83E-02	2.22E-01	3.51E-02	3.91E-06	7.49E-04	8.27E-04	3.67E-02	4.27E-02	9.02E-02	6.83E-02	2.83E-02	2.29E-01
3383	495363.09	3848377.25	0.19492	0.12122	0.3873	0.38885	3.19E-02	9.40E-02	7.51E-02	2.86E-02	2.30E-01	3.14E-02	4.07E-06	8.24E-04	8.37E-04	3.31E-02	3.81E-02	9.40E-02	7.51E-02	2.86E-02	2.36E-01
3384	495863.09	3848377.25	0.19341	0.11175	0.4836	0.38635	3.16E-02	8.67E-02	9.38E-02	2.84E-02	2.41E-01	3.12E-02	3.75E-06	1.03E-03	8.32E-04	3.30E-02	3.78E-02	8.67E-02	9.38E-02	2.84E-02	2.47E-01
3385	496363.09	3848377.25	0.20204	0.11121	0.6355	0.39151	3.30E-02	8.63E-02	1.23E-01	2.88E-02	2.71E-01	3.26E-02	3.74E-06	1.35E-03	8.43E-04	3.48E-02	3.95E-02	8.63E-02	1.23E-01	2.88E-02	2.78E-01
3386	496863.09	3848377.25	0.1996	0.11753	0.7333	0.3837	3.26E-02	9.12E-02	1.42E-01	2.82E-02	2.94E-01	3.22E-02	3.95E-06	1.56E-03	8.26E-04	3.46E-02	3.91E-02	9.12E-02	1.42E-01	2.82E-02	3.01E-01
3387	497363.09	3848377.25	0.22092	0.12725	0.8763	0.4116	3.61E-02	9.87E-02	1.70E-01	3.03E-02	3.35E-01	3.56E-02	4.27E-06	1.86E-03	8.86E-04	3.84E-02	4.32E-02	9.87E-02	1.70E-01	3.03E-02	3.42E-01
3388	497863.09	3848377.25	0.28633	0.15475	0.9075	0.47315	4.68E-02	1.20E-01	1.76E-01	3.48E-02	3.78E-01	4.61E-02	5.20E-06	1.93E-03	1.02E-03	4.91E-02	5.60E-02	1.20E-01	1.76E-01	3.48E-02	3.87E-01
3389	498363.09	3848377.25	0.29536	0.14888	1.0018	0.46711	4.83E-02	1.15E-01	1.94E-01	3.44E-02	3.92E-01	4.76E-02	5.00E-06	2.13E-03	1.01E-03	5.07E-02	5.78E-02	1.15E-01	1.94E-01	3.44E-02	4.02E-01
3390	471363.09	3848877.25	1.68589	1.24681	0.2001	0.27967	2.76E-01	9.67E-01	3.88E-02	2.06E-02	1.30E+00	2.72E-01	4.19E-05	4.25E-04	6.02E-04	2.73E-01	3.30E-01	9.67E-01	3.88E-02	2.06E-02	1.36E+00
3391	471863.09	3848877.25	1.97195	1.34597	0.19	0.30512	3.23E-01	1.04E+00	3.68E-02	2.25E-02	1.43E+00	3.18E-01	4.52E-05	4.04E-04	6.57E-04	3.19E-01	3.86E-01	1.04E+00	3.68E-02	2.25E-02	1.49E+00
3392	472363.09	3848877.25	1.85608	1.32483	0.1781	0.29933	3.04E-01	1.03E+00	3.45E-02	2.20E-02	1.39E+00	2.99E-01	4.45E-05	3.79E-04	6.44E-04	3.00E-01	3.63E-01	1.03E+00	3.45E-02	2.20E-02	1.45E+00
3393	472863.09	3848877.25	2.40632	1.29761	0.1807	0.28011	3.94E-01	1.01E+00	3.50E-02	2.06E-02	1.46E+00	3.88E-01	4.36E-05	3.84E-04	6.03E-04	3.89E-01	4.71E-01	1.01E+00	3.50E-02	2.06E-02	1.53E+00
3394	473363.09	3848877.25	2.58425	1.46118	0.1928	0.25995	4.23E-01	1.13E+00	3.74E-02	1.91E-02	1.61E+00	4.16E-01	4.91E-05	4.10E-04	5.60E-04	4.17E-01	5.06E-01	1.13E+00	3.74E-02	1.91E-02	1.70E+00
3395	473863.09	3848877.25	2.25348	1.57842	0.1948	0.25732	3.69E-01	1.22E+00	3.78E-02	1.89E-02	1.65E+00	3.63E-01	5.30E-05	4.14E-04	5.54E-04	3.64E-01	4.41E-01	1.22E+00	3.78E-02	1.89E-02	1.72E+00
3396	474363.09	3848877.25	2.05365	1.45135	0.1892	0.25821	3.36E-01	1.13E+00	3.67E-02	1.90E-02	1.52E+00	3.31E-01	4.88E-05	4.02E-04	5.56E-04	3.32E-01	4.02E-01	1.13E+00	3.67E-02	1.90E-02	1.58E+00
3397	474863.09	3848877.25	2.07217	1.19348	0.1844	0.23077	3.39E-01	9.26E-01	3.57E-02	1.70E-02	1.32E+00	3.34E-01	4.01E-05	3.92E-04	4.97E-04	3.35E-01	4.05E-01	9.26E-01	3.57E-02	1.70E-02	1.38E+00
3398	475363.09	3848877.25	1.8288	1.1564	0.1856	0.23781	2.99E-01	8.97E-01	3.60E-02	1.75E-02	1.25E+00	2.95E-01	3.88E-05	3.95E-04	5.12E-04	2.96E-01	3.58E-01	8.97E-01	3.60E-02	1.75E-02	1.31E+00
3399	475863.09	3848877.25	2.32765	1.3537	0.1903	0.23335	3.81E-01	1.05E+00	3.69E-02	1.72E-02	1.48E+00	3.75E-01	4.55E-05	4.05E-04	5.02E-04	3.76E-01	4.55E-01	1.05E+00	3.69E-02	1.72E-02	1.56E+00
3400	476363.09	3848877.25	2.4701	1.79836	0.1936	0.23142	4.04E-01	1.39E+00	3.75E-02	1.70E-02	1.85E+00	3.98E-01	6.04E-05	4.12E-04	4.98E-04	3.99E-01	4.83E-01	1.40E+00	3.75E-02	1.70E-02	1.93E+00
3401	476863.09	3848877.25	1.9599	1.5968	0.197	0.19526	3.21E-01	1.24E+00	3.82E-02	1.44E-02	1.61E+00	3.16E-01	5.36E-05	4.19E-04	4.20E-04	3.17E-01	3.84E-01	1.24E+00	3.82E-02	1.44E-02	1.67E+00
3402	477363.09	3848877.25	1.99784	1.90717	0.1998	0.21814	3.27E-01	1.48E+00	3.87E-02	1.61E-02	1.86E+00	3.22E-01	6.41E-05	4.25E-04	4.70E-04	3.23E-01	3.91E-01	1.48E+00	3.87E-02	1.61E-02	1.93E+00
3403	477863.09	3848877.25	2.30069	1.49479	0.1997	0.22724	3.76E-01	1.16E+00	3.87E-02	1.67E-02	1.59E+00	3.71E-01	5.02E-05	4.25E-04	4.89E-04	3.72E-01	4.50E-01	1.16E+00	3.87E-02	1.67E-02	1.67E+00
3404	478363.09	3848877.25	3.66782	1.41325	0.2069	0.25663	6.00E-01	1.10E+00	4.01E-02	1.89E-02	1.76E+00	5.91E-01	4.75E-05	4.40E-04	5.52E-04	5.92E-01	7.18E-01	1.10E+00	4.01E-02	1.89E-02	1.87E+00
3405	478863.09	3848877.25	3.72573	0.99866	0.2232	0.28559	6.09E-01	7.75E-01	4.33E-02	2.10E-02	1.45E+00	6.00E-01	3.35E-05	4.75E-04	6.15E-04	6.01E-01	7.29E-01	7.75E-01	4.33E-02	2.10E-02	1.57E+00
3406	479363.09	3848877.25	3.13629	0.72991	0.2371	0.26745	5.13E-01	5.66E-01	4.60E-02	1.97E-02	1.14E+00	5.05E-01	2.45E-05	5.04E-04	5.76E-04	5.06E-01	6.14E-01	5.66E-01	4.60E-02	1.97E-02	1.25E+00
3407	479863.09	3848877.25	1.89982	0.55547	0.263	0.27641	3.11E-01	4.31E-01	5.10E-02	2.04E-02	8.13E-01	3.06E-01	1.87E-05	5.59E-04	5.95E-04	3.07E-01	3.72E-01	4.31E-01	5.10E-02	2.04E-02	8.74E-01
3408	480363.09	3848877.25	1.76542	0.50847	0.2893	0.33648	2.89E-01	3.94E-01	5.61E-02	2.48E-02	7.64E-01	2.84E-01	1.71E-05	6.15E-04	7.24E-04	2.86E-01	3.45E-01	3.94E-01	5.61E-02	2.48E-02	8.21E-01
3409	480863.09	3848877.25	1.86686	0.48267	0.3047	0.3811	3.05E-01	3.74E-01	5.91E-02	2.81E-02	7.67E-01	3.01E-01	1.62E-05	6.48E-04	8.20E-04	3.02E-01	3.65E-01	3.74E-01	5.91E-02	2.81E-02	8.27E-01
3410	481363.09	3848877.25	1.52635	0.48281	0.3077	0.39121	2.50E-01	3.75E-01	5.97E-02	2.88E-02	7.13E-01	2.46E-01	1.62E-05	6.54E-04	8.42E-04	2.47E-01	2.99E-01	3.75E-01	5.97E-02	2.88E-02	7.62E-01
3411	481863.09	3848877.25	1.6095	0.38888	0.312	0.39742	2.63E-01	3.02E-01	6.05E-02	2.93E-02	6.55E-01	2.59E-01	1.31E-05	6.63E-04	8.56E-04	2.61E-01	3.15E-01	3.02E-01	6.05E-02	2.93E-02	7.06E-01
3412	482363.09	3848877.25	1.16526	0.31939	0.3116	0.41174	1.91E-01	2.48E-01	6.04E-02	3.03E-02	5.29E-01	1.88E-01	1.07E-05	6.62E-04	8.86E-04	1.89E-01	2.28E-01	2.48E-01	6.04E-02	3.03E-02	5.67E-01

3413	482863.09	3848877.25	0.75801	0.25183	0.3004	0.38277	1.24E-01	1.95E-01	5.82E-02	2.82E-02	4.06E-01	1.22E-01	8.46E-06	6.39E-04	8.24E-04	1.24E-01	1.48E-01	1.95E-01	5.82E-02	2.82E-02	4.30E-01
3414	483363.09	3848877.25	0.63505	0.21599	0.2659	0.41114	1.04E-01	1.68E-01	5.16E-02	3.03E-02	3.53E-01	1.02E-01	7.26E-06	5.65E-04	8.85E-04	1.04E-01	1.24E-01	1.68E-01	5.16E-02	3.03E-02	3.74E-01
3415	483863.09	3848877.25	0.62253	0.21225	0.256	0.34274	1.02E-01	1.65E-01	4.96E-02	2.52E-02	3.41E-01	1.00E-01	7.13E-06	5.44E-04	7.38E-04	1.02E-01	1.22E-01	1.65E-01	4.96E-02	2.52E-02	3.61E-01
3416	484363.09	3848877.25	0.70785	0.2306	0.2721	0.31631	1.16E-01	1.79E-01	5.28E-02	2.33E-02	3.71E-01	1.14E-01	7.75E-06	5.79E-04	6.81E-04	1.15E-01	1.39E-01	1.79E-01	5.28E-02	2.33E-02	3.93E-01
3417	484863.09	3848877.25	0.81056	0.26303	0.3048	0.33875	1.33E-01	2.04E-01	5.91E-02	2.49E-02	4.21E-01	1.31E-01	8.84E-06	6.48E-04	7.29E-04	1.32E-01	1.59E-01	2.04E-01	5.91E-02	2.49E-02	4.47E-01
3418	485363.09	3848877.25	0.7498	0.25751	0.3156	0.32057	1.23E-01	2.00E-01	6.12E-02	2.36E-02	4.07E-01	1.21E-01	8.65E-06	6.71E-04	6.90E-04	1.22E-01	1.47E-01	2.00E-01	6.12E-02	2.36E-02	4.31E-01
3419	485863.09	3848877.25	0.66818	0.23356	0.3406	0.3666	1.09E-01	1.81E-01	6.60E-02	2.70E-02	3.83E-01	1.08E-01	7.85E-06	7.24E-04	7.89E-04	1.09E-01	1.31E-01	1.81E-01	6.60E-02	2.70E-02	4.05E-01
3420	486363.09	3848877.25	0.58386	0.21179	0.3114	0.36047	9.55E-02	1.64E-01	6.04E-02	2.65E-02	3.47E-01	9.41E-02	7.11E-06	6.62E-04	7.76E-04	9.55E-02	1.14E-01	1.64E-01	6.04E-02	2.65E-02	3.65E-01
3421	486863.09	3848877.25	0.50906	0.18719	0.3133	0.33214	8.33E-02	1.45E-01	6.07E-02	2.45E-02	3.14E-01	8.20E-02	6.29E-06	6.66E-04	7.15E-04	8.34E-02	9.96E-02	1.45E-01	6.07E-02	2.45E-02	3.30E-01
3422	487363.09	3848877.25	0.49857	0.18397	0.2999	0.32093	8.15E-02	1.43E-01	5.82E-02	2.36E-02	3.06E-01	8.03E-02	6.18E-06	6.38E-04	6.91E-04	8.17E-02	9.76E-02	1.43E-01	5.82E-02	2.36E-02	3.22E-01
3423	487863.09	3848877.25	0.45608	0.16268	0.2942	0.32315	7.46E-02	1.26E-01	5.70E-02	2.38E-02	2.82E-01	7.35E-02	5.46E-06	6.25E-04	6.96E-04	7.48E-02	8.92E-02	1.26E-01	5.70E-02	2.38E-02	2.96E-01
3424	488363.09	3848877.25	0.42011	0.17704	0.2998	0.3323	6.87E-02	1.37E-01	5.81E-02	2.45E-02	2.89E-01	6.77E-02	5.95E-06	6.37E-04	7.15E-04	6.91E-02	8.22E-02	1.37E-01	5.81E-02	2.45E-02	3.02E-01
3425	488863.09	3848877.25	0.39458	0.15546	0.3138	0.34029	6.45E-02	1.21E-01	6.08E-02	2.51E-02	2.71E-01	6.36E-02	5.22E-06	6.67E-04	7.33E-04	6.50E-02	7.72E-02	1.21E-01	6.08E-02	2.51E-02	2.84E-01
3426	489363.09	3848877.25	0.36952	0.16551	0.3234	0.35155	6.04E-02	1.28E-01	6.27E-02	2.59E-02	2.77E-01	5.95E-02	5.56E-06	6.88E-04	7.57E-04	6.10E-02	7.23E-02	1.28E-01	6.27E-02	2.59E-02	2.89E-01
3427	489863.09	3848877.25	0.37509	0.17786	0.3578	0.35598	6.13E-02	1.38E-01	6.94E-02	2.62E-02	2.95E-01	6.04E-02	5.97E-06	7.61E-04	7.66E-04	6.20E-02	7.34E-02	1.38E-01	6.94E-02	2.62E-02	3.07E-01
3428	490363.09	3848877.25	0.36265	0.15982	0.4078	0.35865	5.93E-02	1.24E-01	7.91E-02	2.64E-02	2.89E-01	5.84E-02	5.37E-06	8.67E-04	7.72E-04	6.01E-02	7.10E-02	1.24E-01	7.91E-02	2.64E-02	3.00E-01
3429	490863.09	3848877.25	0.33532	0.15299	0.3846	0.4353	5.48E-02	1.19E-01	7.46E-02	3.20E-02	2.80E-01	5.40E-02	5.14E-06	8.18E-04	9.37E-04	5.58E-02	6.56E-02	1.19E-01	7.46E-02	3.20E-02	2.91E-01
3430	491363.09	3848877.25	0.33245	0.16259	0.4068	0.3957	5.44E-02	1.26E-01	7.89E-02	2.91E-02	2.89E-01	5.36E-02	5.46E-06	8.65E-04	8.52E-04	5.53E-02	6.51E-02	1.26E-01	7.89E-02	2.91E-02	2.99E-01
3431	491863.09	3848877.25	0.29691	0.14217	0.3903	0.41768	4.86E-02	1.10E-01	7.57E-02	3.08E-02	2.65E-01	4.78E-02	4.78E-06	8.30E-04	8.99E-04	4.96E-02	5.81E-02	1.10E-01	7.57E-02	3.08E-02	2.75E-01
3432	492363.09	3848877.25	0.24507	0.13649	0.3694	0.43197	4.01E-02	1.06E-01	7.16E-02	3.18E-02	2.49E-01	3.95E-02	4.58E-06	7.85E-04	9.30E-04	4.12E-02	4.80E-02	1.06E-01	7.16E-02	3.18E-02	2.57E-01
3433	492863.09	3848877.25	0.22698	0.12355	0.4347	0.41588	3.71E-02	9.58E-02	8.43E-02	3.06E-02	2.48E-01	3.66E-02	4.15E-06	9.24E-04	8.95E-04	3.84E-02	4.44E-02	9.58E-02	8.43E-02	3.06E-02	2.55E-01
3434	493363.09	3848877.25	0.19832	0.11831	0.4527	0.40851	3.24E-02	9.18E-02	8.78E-02	3.01E-02	2.42E-01	3.20E-02	3.97E-06	9.62E-04	8.79E-04	3.38E-02	3.88E-02	9.18E-02	8.78E-02	3.01E-02	2.48E-01
3435	493863.09	3848877.25	0.19948	0.11714	0.5001	0.40043	3.26E-02	9.09E-02	9.70E-02	2.95E-02	2.50E-01	3.21E-02	3.93E-06	1.06E-03	8.62E-04	3.41E-02	3.90E-02	9.09E-02	9.70E-02	2.95E-02	2.56E-01
3436	494363.09	3848877.25	0.19668	0.1217	0.4051	0.39393	3.22E-02	9.44E-02	7.85E-02	2.90E-02	2.34E-01	3.17E-02	4.09E-06	8.61E-04	8.48E-04	3.34E-02	3.85E-02	9.44E-02	7.85E-02	2.90E-02	2.40E-01
3437	494863.09	3848877.25	0.20638	0.12227	0.3939	0.41734	3.38E-02	9.48E-02	7.64E-02	3.07E-02	2.36E-01	3.33E-02	4.11E-06	8.38E-04	8.98E-04	3.50E-02	4.04E-02	9.49E-02	7.64E-02	3.07E-02	2.42E-01
3438	495363.09	3848877.25	0.20928	0.12326	0.5046	0.40552	3.42E-02	9.56E-02	9.78E-02	2.99E-02	2.58E-01	3.37E-02	4.14E-06	1.07E-03	8.73E-04	3.57E-02	4.10E-02	9.56E-02	9.78E-02	2.99E-02	2.64E-01
3439	495863.09	3848877.25	0.20549	0.11319	0.6504	0.39242	3.36E-02	8.78E-02	1.26E-01	2.89E-02	2.76E-01	3.31E-02	3.80E-06	1.38E-03	8.45E-04	3.53E-02	4.02E-02	8.78E-02	1.26E-01	2.89E-02	2.83E-01
3440	496363.09	3848877.25	0.21276	0.11142	0.7759	0.39076	3.48E-02	8.64E-02	1.50E-01	2.88E-02	3.00E-01	3.43E-02	3.74E-06	1.65E-03	8.41E-04	3.68E-02	4.16E-02	8.64E-02	1.50E-01	2.88E-02	3.07E-01
3441	496863.09	3848877.25	0.22443	0.12527	0.9199	0.41519	3.67E-02	9.72E-02	1.78E-01	3.06E-02	3.43E-01	3.62E-02	4.21E-06	1.96E-03	8.94E-04	3.90E-02	4.39E-02	9.72E-02	1.78E-01	3.06E-02	3.50E-01
3442	497363.09	3848877.25	0.26729	0.13496	0.9466	0.46251	4.37E-02	1.05E-01	1.84E-01	3.41E-02	3.66E-01	4.31E-02	4.53E-06	2.01E-03	9.96E-04	4.61E-02	5.23E-02	1.05E-01	1.84E-01	3.41E-02	3.75E-01
3443	497863.09	3848877.25	0.29366	0.15686	1.0654	0.46722	4.80E-02	1.22E-01	2.07E-01	3.44E-02	4.11E-01	4.73E-02	5.27E-06	2.27E-03	1.01E-03	5.06E-02	5.75E-02	1.22E-01	2.07E-01	3.44E-02	4.20E-01
3444	498363.09	3848877.25	0.3059	0.1494	1.2199	0.47149	5.00E-02	1.16E-01	2.37E-01	3.47E-02	4.37E-01	4.93E-02	5.02E-06	2.59E-03	1.02E-03	5.29E-02	5.99E-02	1.16E-01	2.37E-01	3.47E-02	4.47E-01
3445	471363.09	3849377.25	1.69911	1.39351	0.2275	0.29005	2.78E-01	1.08E+00	4.41E-02	2.14E-02	1.42E+00	2.74E-01	4.68E-05	4.84E-04	6.24E-04	2.75E-01	3.32E-01	1.08E+00	4.41E-02	2.14E-02	1.48E+00
3446	471863.09	3849377.25	1.79583	1.38597	0.2184	0.28737	2.94E-01	1.08E+00	4.23E-02	2.12E-02	1.43E+00	2.89E-01	4.66E-05	4.64E-04	6.19E-04	2.90E-01	3.51E-01	1.08E+00	4.23E-02	2.12E-02	1.49E+00
3447	472363.09	3849377.25	1.88358	1.35757	0.2115	0.31252	3.08E-01	1.05E+00	4.10E-02	2.30E-02	1.43E+00	3.04E-01	4.56E-05	4.50E-04	6.73E-04	3.05E-01	3.69E-01	1.05E+00	4.10E-02	2.30E-02	1.49E+00
3448	472863.09	3849377.25	2.22337	1.47454	0.2006	0.33373	3.64E-01	1.14E+00	3.89E-02	2.46E-02	1.57E+00	3.58E-01	4.95E-05	4.27E-04	7.18E-04	3.59E-01	4.35E-01	1.14E+00	3.89E-02	2.46E-02	1.64E+00
3449	473363.09	3849377.25	2.13439	1.50069	0.1879	0.31438	3.49E-01	1.16E+00	3.64E-02	2.31E-02	1.57E+00	3.44E-01	5.04E-05	4.00E-04	6.77E-04	3.45E-01	4.18E-01	1.16E+00	3.64E-02	2.31E-02	1.64E+00
3450	473863.09	3849377.25	2.78033	1.52875	0.1923	0.29079	4.55E-01	1.19E+00	3.73E-02	2.14E-02	1.70E+00	4.48E-01	5.14E-05	4.09E-04	6.26E-04	4.49E-01	5.44E-01	1.19E+00	3.73E-02	2.14E-02	1.79E+00
3451	474363.09	3849377.25	2.73183	1.68596	0.2041	0.26952	4.47E-01	1.31E+00	3.96E-02	1.98E-02	1.81E+00	4.40E-01	5.66E-05	4.34E-04	5.80E-04	4.41E-01	5.35E-01	1.31E+00	3.96E-02	1.98E-02	1.90E+00
3452	474863.09	3849377.25	2.41815	1.75144	0.2027	0.2785	3.96E-01	1.36E+00	3.93E-02	2.05E-02	1.81E+00	3.90E-01	5.88E-05	4.31E-04	6.00E-04	3.91E-01	4.73E-01	1.36E+00	3.93E-02	2.05E-02	1.89E+00
3453	475363.09	3849377.25	2.5762	1.37863	0.1974	0.24825	4.21E-01	1.07E+00	3.83E-02	1.83E-02	1.55E+00	4.15E-01	4.63E-05	4.20E-04	5.34E-04	4.16E-01	5.04E-01	1.07E+00	3.83E-02	1.83E-02	1.63E+00
3454	475863.09	3849377.25	2.48154	1.44691	0.1967	0.25831	4.06E-01	1.12E+00	3.81E-02	1.90E-02	1.59E+00	4.00E-01	4.86E-05	4.18E-04	5.56E-04	4.01E-01	4.86E-01	1.12E+00	3.81E-02	1.90E-02	1.67E+00
3455	476363.09	3849377.25	2.46503	1.59964	0.2012	0.24963	4.03E-01	1.24E+00	3.90E-02	1.84E-02	1.70E+00	3.97E-01	5.37E-05	4.28E-04	5.37E-04	3.98E-01	4.82E-01	1.24E+00	3.90E-02	1.84E-02	1.78E+00
3456	476863.09	3849377.25	2.82232	2.33748	0.2047	0.24788	4.62E-01	1.81E+00	3.97E-02	1.82E-02	2.33E+00	4.55E-01	7.85E-05	4.35E-04	5.34E-04	4.56E-01	5.52E-01	1.81E+00	3.97E-02	1.82E-02	2.42E+00
3457	477363.09	3849377.25	2.19929	2.08027	0.2087	0.20949	3.60E-01	1.61E+00	4.05E-02	1.54E-02	2.03E+00	3.54E-01	6.99E-05	4.44E-04	4.51E-04	3.55E-01	4.30E-01	1.61E+00	4.05E-02	1.54E-02	2.10E+00
3458	477863.09	3849377.25	2.36424	1.97504	0.2124	0.23486	3.87E-01	1.53E+00	4.12E-02	1.73E-02	1.98E+00	3.81E-01	6.63E-05	4.52E-04	5.06E-04	3.82E-01	4.63E-01	1.53E+00	4.12E-02	1.73E-02	2.05E+00
3459	478363.09	3849377.25	2.62289	1.69869	0.2125	0.23998	4.29E-01	1.32E+00	4.12E-02	1.77E-02	1.81E+00	4.23E-01	5.71E-05	4.52E-04	5.17E-04	4.24E-01	5.13E-01	1.32E+00	4.12E-02	1.77E-02	1.89E+00
3460	478863.09	3849377.25	4.03994	1.3516	0.2177	0.28368	6.61E-01	1.05E+00	4.22E-02	2.09E-02	1.77E+00	6.51E-01	4.54E-05	4.63E-04	6.11E-04	6.52E-01	7.91E-01	1.05E+00	4.22E-02	2.09E-02	1.90E+00
3461	479363.09	3849377.25	4.4138	1.04155	0.2359	0.29246	7.22E-01	8.08E-01	4.57E-02	2.15E-02	1.60E+00	7.11E-01	3.50E-05	5.02E-04	6.30E-04	7.12E-01	8.64E-01	8.08E-01	4.57E-02	2.15E-02	1.74E+00
3462	479863.09	3849377.25	3.07927	0.78462	0.256	0.3048	5.04E-01	6.09E-01	4.96E-02	2.24E-02	1.18E+00	4.96E-01	2.64E-05	5.44E-04	6.56E-04	4.97E-01	6.03E-01	6.09E-01	4.96E-02	2.24E-02	1.28E+00
3463	480363.09	3849377.25	2.5997	0.8229	0.289	0.32125	4.25E-01	6.38E-01	5.60E-02	2.37E-02	1.14E+00	4.19E-01	2.76E-05	6.14E-04	6.92E-04	4.20E-01	5.09E-01	6.38E-01	5.60E-02	2.37E-02	1.23E+00
3464	480863.09	3849377.25	2.02734	0.6485	0.3223	0.3637	3.32E-01	5.03E-01	6.25E-02	2.68E-02	9.24E-01	3.27E-01	2.18E-05	6.85E-04	7.83E-04	3.28E-01	3.97E-01	5.03E-01	6.25E-02	2.68E-02	9.89E-01
3465	481363.09	3849377.25	2.06551	0.52458	0.3192	0.4106	3.38E-01	4.07E-01	6.19E-02	3.02E-02	8.37E-01	3.33E-01	1.76E-05	6.79E-04	8.84E-04	3.34E-01	4.04E-01	4.07E-01	6.19E-02	3.02E-02	9.03E-01
3466	481863.09	3849377.25	1.45037	0.35861	0.3217	0.41857	2.37E-01	2.78E-01	6.24E-02	3.08E-02	6.09E-01	2.34E-01	1.20E-05	6.84E-04	9.01E-04	2.35E-01	2.84E-01	2.78E-01	6.24E-02	3.08E-02	6.55E-01
3467	482363.09	3849377.25	1.13362	0.31008	0.3197	0.39605	1.85E-01	2.41E-01	6.20E-02	2.92E-02	5.17E-01	1.83E-01	1.04E-05	6.80E-04	8.53E-04	1.84E-01	2.22E-01	2.41E-01	6.20E-02	2.92E-02	5.54E-01
3468	482863.09	3849377.25	0.7679	0.24478	0.3004	0.41349	1.26E-01	1.90E-01	5.82E-02	3.04E-02	4.04E-01	1.24E-01	8.22E-06	6.39E-04	8.90E-04	1.25E-01	1.50E-01	1.90E-01	5.82E-02	3.04E-02	4.29E-01
3469	483363.09	3849377.25	0.6304	0.22314	0.3051	0.4174	1.03E-01	1.73E-01	5.92E-02	3.07E-02	3.66E-01	1.02E-01	7.50E-06	6.49E-04	8.99E-04	1.03E-01	1.23E-01	1.73E-01	5.92E-02	3.07E-02	3.86E-01
3470	483863.09	3849377.25	0.50574	0.20157	0.2697	0.36564	8.27E-02	1.56E-01	5.23E-02	2.69E-02	3.18E-01	8.15E-02	6.77E-06	5.74E-04	7.87E-04	8.29E-02	9.90E-02	1.56E-01	5.23E-02	2.69E-02	3.35E-01
3471	484363.09	3849377.25	0.80414	0.24669	0.2927	0.32869	1.32E-01	1.91E-01	5.68E-02	2.42E-02	4.04E-01	1.30E-01	8.29E-06	6.22E-04	7.08E-04	1.31E-01	1.57E-01	1.91E-01	5.68E-02	2.42E-02	4.30E-01
3472	484863.09	3849377.25	0.99021	0.29244	0.3242	0.35284	1.62E-01	2.27E-01	6.29E-02	2.60E-02	4.78E-01	1.60E-01	9.82E-06	6.89E-04	7.60E-04	1.61E-01	1.94E-01	2.27E-01	6.29E-02	2.60E-02	5.09E-01
3473	485363.09	3849377.25	0.92199	0.2878	0.3362	0.37857	1.51E-01	2.23E-01	6.52E-02	2.79E-02	4.67E-01	1.49E-01	9.67E-06	7.15E-04	8.15E-04	1.50E-01	1.80E-01	2.23E-01	6.52E-02	2.79E-02	4.97E-01

3474	485863.09	3849377.25	0.58303	0.2141	0.349	0.36896	9.54E-02	1.66E-01	6.77E-02	2.72E-02	3.56E-01	9.39E-02	7.19E-06	7.42E-04	7.94E-04	9.55E-02	1.14E-01	1.66E-01	6.77E-02	2.72E-02	3.75E-01
3475	486363.09	3849377.25	0.48557	0.18929	0.3272	0.37251	7.94E-02	1.47E-01	6.34E-02	2.74E-02	3.17E-01	7.82E-02	6.36E-06	6.96E-04	8.02E-04	7.97E-02	9.50E-02	1.47E-01	6.34E-02	2.74E-02	3.33E-01
3476	486863.09	3849377.25	0.5619	0.20004	0.3349	0.34672	9.19E-02	1.55E-01	6.49E-02	2.55E-02	3.38E-01	9.05E-02	6.72E-06	7.12E-04	7.46E-04	9.20E-02	1.10E-01	1.55E-01	6.49E-02	2.55E-02	3.56E-01
3477	487363.09	3849377.25	0.55753	0.20084	0.319	0.34047	9.12E-02	1.56E-01	6.19E-02	2.51E-02	3.34E-01	8.98E-02	6.75E-06	6.78E-04	7.33E-04	9.13E-02	1.09E-01	1.56E-01	6.19E-02	2.51E-02	3.52E-01
3478	487863.09	3849377.25	0.51821	0.19084	0.32	0.35678	8.48E-02	1.48E-01	6.20E-02	2.63E-02	3.21E-01	8.35E-02	6.41E-06	6.80E-04	7.68E-04	8.50E-02	1.01E-01	1.48E-01	6.20E-02	2.63E-02	3.38E-01
3479	488363.09	3849377.25	0.4889	0.19857	0.3244	0.37403	8.00E-02	1.54E-01	6.29E-02	2.75E-02	3.24E-01	7.88E-02	6.67E-06	6.90E-04	8.05E-04	8.03E-02	9.57E-02	1.54E-01	6.29E-02	2.75E-02	3.40E-01
3480	488863.09	3849377.25	0.46346	0.17962	0.341	0.37127	7.58E-02	1.39E-01	6.61E-02	2.73E-02	3.09E-01	7.47E-02	6.03E-06	7.25E-04	7.99E-04	7.62E-02	9.07E-02	1.39E-01	6.61E-02	2.73E-02	3.23E-01
3481	489363.09	3849377.25	0.43374	0.18984	0.3575	0.37918	7.09E-02	1.47E-01	6.93E-02	2.79E-02	3.15E-01	6.99E-02	6.38E-06	7.60E-04	8.16E-04	7.15E-02	8.49E-02	1.47E-01	6.93E-02	2.79E-02	3.29E-01
3482	489863.09	3849377.25	0.42368	0.18567	0.4061	0.37476	6.93E-02	1.44E-01	7.87E-02	2.76E-02	3.20E-01	6.83E-02	6.24E-06	8.63E-04	8.07E-04	6.99E-02	8.29E-02	1.44E-01	7.87E-02	2.76E-02	3.33E-01
3483	490363.09	3849377.25	0.39134	0.17356	0.4308	0.45342	6.40E-02	1.35E-01	8.35E-02	3.34E-02	3.16E-01	6.31E-02	5.83E-06	9.16E-04	9.76E-04	6.50E-02	7.66E-02	1.35E-01	8.35E-02	3.34E-02	3.28E-01
3484	490863.09	3849377.25	0.37815	0.16178	0.3682	0.49643	6.19E-02	1.25E-01	7.14E-02	3.65E-02	2.95E-01	6.09E-02	5.43E-06	7.83E-04	1.07E-03	6.28E-02	7.40E-02	1.25E-01	7.14E-02	3.65E-02	3.07E-01
3485	491363.09	3849377.25	0.34524	0.17162	0.414	0.45426	5.65E-02	1.33E-01	8.03E-02	3.34E-02	3.03E-01	5.56E-02	5.76E-06	8.80E-04	9.78E-04	5.75E-02	6.76E-02	1.33E-01	8.03E-02	3.34E-02	3.14E-01
3486	491863.09	3849377.25	0.2934	0.14681	0.3956	0.43876	4.80E-02	1.14E-01	7.67E-02	3.23E-02	2.71E-01	4.73E-02	4.93E-06	8.41E-04	9.45E-04	4.91E-02	5.74E-02	1.14E-01	7.67E-02	3.23E-02	2.80E-01
3487	492363.09	3849377.25	0.26245	0.13691	0.4407	0.44114	4.29E-02	1.06E-01	8.55E-02	3.25E-02	2.67E-01	4.23E-02	4.60E-06	9.37E-04	9.50E-04	4.42E-02	5.14E-02	1.06E-01	8.55E-02	3.25E-02	2.76E-01
3488	492863.09	3849377.25	0.23174	0.13071	0.4802	0.43764	3.79E-02	1.01E-01	9.31E-02	3.22E-02	2.65E-01	3.73E-02	4.39E-06	1.02E-03	9.42E-04	3.93E-02	4.53E-02	1.01E-01	9.31E-02	3.22E-02	2.72E-01
3489	493363.09	3849377.25	0.22069	0.12184	0.501	0.41643	3.61E-02	9.45E-02	9.71E-02	3.07E-02	2.58E-01	3.56E-02	4.09E-06	1.07E-03	8.96E-04	3.75E-02	4.32E-02	9.45E-02	9.71E-02	3.07E-02	2.66E-01
3490	493863.09	3849377.25	0.21412	0.12892	0.4596	0.43374	3.50E-02	1.00E-01	8.91E-02	3.19E-02	2.56E-01	3.45E-02	4.33E-06	9.77E-04	9.34E-04	3.64E-02	4.19E-02	1.00E-01	8.91E-02	3.19E-02	2.63E-01
3491	494363.09	3849377.25	0.22069	0.12285	0.3963	0.42897	3.61E-02	9.53E-02	7.68E-02	3.16E-02	2.40E-01	3.56E-02	4.13E-06	8.43E-04	9.23E-04	3.73E-02	4.32E-02	9.53E-02	7.68E-02	3.16E-02	2.47E-01
3492	494863.09	3849377.25	0.24446	0.13625	0.5204	0.43009	4.00E-02	1.06E-01	1.01E-01	3.17E-02	2.78E-01	3.94E-02	4.58E-06	1.11E-03	9.26E-04	4.14E-02	4.78E-02	1.06E-01	1.01E-01	3.17E-02	2.86E-01
3493	495363.09	3849377.25	0.2465	0.14093	0.7384	0.44121	4.03E-02	1.09E-01	1.43E-01	3.25E-02	3.25E-01	3.97E-02	4.73E-06	1.57E-03	9.50E-04	4.22E-02	4.82E-02	1.09E-01	1.43E-01	3.25E-02	3.33E-01
3494	495863.09	3849377.25	0.22286	0.11448	0.8383	0.39914	3.65E-02	8.88E-02	1.63E-01	2.94E-02	3.17E-01	3.59E-02	3.85E-06	1.78E-03	8.59E-04	3.86E-02	4.36E-02	8.88E-02	1.63E-01	2.94E-02	3.24E-01
3495	496363.09	3849377.25	0.21983	0.11659	0.9596	0.39226	3.60E-02	9.04E-02	1.86E-01	2.89E-02	3.41E-01	3.54E-02	3.92E-06	2.04E-03	8.44E-04	3.83E-02	4.30E-02	9.04E-02	1.86E-01	2.89E-02	3.48E-01
3496	496863.09	3849377.25	0.27146	0.13477	1.0067	0.45546	4.44E-02	1.05E-01	1.95E-01	3.35E-02	3.78E-01	4.37E-02	4.53E-06	2.14E-03	9.80E-04	4.69E-02	5.31E-02	1.05E-01	1.95E-01	3.35E-02	3.86E-01
3497	497363.09	3849377.25	0.28202	0.13478	1.1347	0.46892	4.61E-02	1.05E-01	2.20E-01	3.45E-02	4.05E-01	4.54E-02	4.53E-06	2.41E-03	1.01E-03	4.89E-02	5.52E-02	1.05E-01	2.20E-01	3.45E-02	4.14E-01
3498	497863.09	3849377.25	0.34965	0.16081	1.2499	0.51764	5.72E-02	1.25E-01	2.42E-01	3.81E-02	4.62E-01	5.63E-02	5.40E-06	2.66E-03	1.11E-03	6.01E-02	6.84E-02	1.25E-01	2.42E-01	3.81E-02	4.74E-01
3499	498363.09	3849377.25	0.33759	0.1569	1.1037	0.50255	5.52E-02	1.22E-01	2.14E-01	3.70E-02	4.28E-01	5.44E-02	5.27E-06	2.35E-03	1.08E-03	5.78E-02	6.61E-02	1.22E-01	2.14E-01	3.70E-02	4.39E-01
3500	471363.09	3849877.25	1.32184	1.04452	0.2369	0.31133	2.16E-01	8.10E-01	4.59E-02	2.29E-02	1.10E+00	2.13E-01	3.51E-05	5.04E-04	6.70E-04	2.14E-01	2.59E-01	8.10E-01	4.59E-02	2.29E-02	1.14E+00
3501	471863.09	3849877.25	1.54593	1.39979	0.2365	0.3246	2.53E-01	1.09E+00	4.59E-02	2.39E-02	1.41E+00	2.49E-01	4.70E-05	5.03E-04	6.99E-04	2.50E-01	3.03E-01	1.09E+00	4.59E-02	2.39E-02	1.46E+00
3502	472363.09	3849877.25	1.8423	1.67325	0.2393	0.30702	3.01E-01	1.30E+00	4.64E-02	2.26E-02	1.67E+00	2.97E-01	5.62E-05	5.09E-04	6.61E-04	2.98E-01	3.61E-01	1.30E+00	4.64E-02	2.26E-02	1.73E+00
3503	472863.09	3849877.25	1.98602	1.54978	0.2315	0.31654	3.25E-01	1.20E+00	4.49E-02	2.33E-02	1.60E+00	3.20E-01	5.21E-05	4.92E-04	6.81E-04	3.21E-01	3.89E-01	1.20E+00	4.49E-02	2.33E-02	1.66E+00
3504	473363.09	3849877.25	2.1988	1.72773	0.2242	0.34404	3.60E-01	1.34E+00	4.35E-02	2.53E-02	1.77E+00	3.54E-01	5.80E-05	4.77E-04	7.41E-04	3.56E-01	4.30E-01	1.34E+00	4.35E-02	2.53E-02	1.84E+00
3505	473863.09	3849877.25	2.51377	1.66191	0.2102	0.35053	4.11E-01	1.29E+00	4.08E-02	2.58E-02	1.77E+00	4.05E-01	5.58E-05	4.47E-04	7.55E-04	4.06E-01	4.92E-01	1.29E+00	4.08E-02	2.58E-02	1.85E+00
3506	474363.09	3849877.25	2.42124	1.67849	0.1982	0.32542	3.96E-01	1.30E+00	3.84E-02	2.40E-02	1.76E+00	3.90E-01	5.64E-05	4.21E-04	7.01E-04	3.91E-01	4.74E-01	1.30E+00	3.84E-02	2.40E-02	1.84E+00
3507	474863.09	3849877.25	3.18846	1.78865	0.2178	0.29397	5.22E-01	1.39E+00	4.22E-02	2.16E-02	1.97E+00	5.14E-01	6.01E-05	4.63E-04	6.33E-04	5.15E-01	6.24E-01	1.39E+00	4.22E-02	2.16E-02	2.08E+00
3508	475363.09	3849877.25	3.16084	2.05932	0.2166	0.29114	5.17E-01	1.60E+00	4.20E-02	2.14E-02	2.18E+00	5.09E-01	6.92E-05	4.61E-04	6.27E-04	5.10E-01	6.19E-01	1.60E+00	4.20E-02	2.14E-02	2.28E+00
3509	475863.09	3849877.25	2.66095	1.60119	0.2094	0.27364	4.35E-01	1.24E+00	4.06E-02	2.01E-02	1.74E+00	4.29E-01	5.38E-05	4.45E-04	5.89E-04	4.30E-01	5.21E-01	1.24E+00	4.06E-02	2.01E-02	1.82E+00
3510	476363.09	3849877.25	2.89219	1.58578	0.2078	0.27399	4.73E-01	1.23E+00	4.03E-02	2.02E-02	1.76E+00	4.66E-01	5.33E-05	4.42E-04	5.90E-04	4.67E-01	5.66E-01	1.23E+00	4.03E-02	2.02E-02	1.86E+00
3511	476863.09	3849877.25	2.86473	1.79702	0.2113	0.27054	4.69E-01	1.39E+00	4.10E-02	1.99E-02	1.92E+00	4.62E-01	6.04E-05	4.49E-04	5.82E-04	4.63E-01	5.61E-01	1.39E+00	4.10E-02	1.99E-02	2.02E+00
3512	477363.09	3849877.25	2.95936	2.84425	0.2169	0.26662	4.84E-01	2.21E+00	4.20E-02	1.96E-02	2.75E+00	4.77E-01	9.55E-05	4.61E-04	5.74E-04	4.78E-01	5.79E-01	2.21E+00	4.20E-02	1.96E-02	2.85E+00
3513	477863.09	3849877.25	2.86489	2.68348	0.221	0.22644	4.69E-01	2.08E+00	4.28E-02	1.67E-02	2.61E+00	4.62E-01	9.01E-05	4.70E-04	4.87E-04	4.63E-01	5.61E-01	2.08E+00	4.28E-02	1.67E-02	2.70E+00
3514	478363.09	3849877.25	2.58187	2.33537	0.2241	0.25263	4.22E-01	1.81E+00	4.35E-02	1.86E-02	2.30E+00	4.16E-01	7.84E-05	4.77E-04	5.44E-04	4.17E-01	5.05E-01	1.81E+00	4.35E-02	1.86E-02	2.38E+00
3515	478863.09	3849877.25	2.94863	1.98932	0.2265	0.26093	4.82E-01	1.54E+00	4.39E-02	1.92E-02	2.09E+00	4.75E-01	6.68E-05	4.82E-04	5.62E-04	4.76E-01	5.77E-01	1.54E+00	4.39E-02	1.92E-02	2.18E+00
3516	479363.09	3849877.25	4.96778	1.66564	0.23	0.30666	8.13E-01	1.29E+00	4.46E-02	2.26E-02	2.17E+00	8.00E-01	5.60E-05	4.89E-04	6.60E-04	8.02E-01	9.72E-01	1.29E+00	4.46E-02	2.26E-02	2.33E+00
3517	479863.09	3849877.25	5.19968	1.39933	0.2387	0.30267	8.50E-01	1.09E+00	4.63E-02	2.23E-02	2.00E+00	8.38E-01	4.70E-05	5.08E-04	6.52E-04	8.39E-01	1.02E+00	1.09E+00	4.63E-02	2.23E-02	2.17E+00
3518	480363.09	3849877.25	3.80781	1.0367	0.2642	0.30604	6.23E-01	8.04E-01	5.12E-02	2.25E-02	1.50E+00	6.14E-01	3.48E-05	5.62E-04	6.59E-04	6.15E-01	7.45E-01	8.04E-01	5.12E-02	2.25E-02	1.62E+00
3519	480863.09	3849877.25	2.66916	0.71956	0.2997	0.37127	4.37E-01	5.58E-01	5.81E-02	2.73E-02	1.08E+00	4.30E-01	2.42E-05	6.37E-04	7.99E-04	4.32E-01	5.22E-01	5.58E-01	5.81E-02	2.73E-02	1.17E+00
3520	481363.09	3849877.25	2.25221	0.57646	0.3238	0.4265	3.68E-01	4.47E-01	6.28E-02	3.14E-02	9.10E-01	3.63E-01	1.94E-05	6.88E-04	9.18E-04	3.65E-01	4.41E-01	4.47E-01	6.28E-02	3.14E-02	9.82E-01
3521	481863.09	3849877.25	1.3359	0.36723	0.3332	0.46302	2.19E-01	2.85E-01	6.46E-02	3.41E-02	6.02E-01	2.15E-01	1.23E-05	7.08E-04	9.97E-04	2.17E-01	2.61E-01	2.85E-01	6.46E-02	3.41E-02	6.45E-01
3522	482363.09	3849877.25	1.01966	0.32653	0.3268	0.40662	1.67E-01	2.53E-01	6.34E-02	2.99E-02	5.13E-01	1.64E-01	1.10E-05	6.95E-04	8.75E-04	1.66E-01	2.00E-01	2.53E-01	6.34E-02	2.99E-02	5.46E-01
3523	482863.09	3849877.25	0.83582	0.26104	0.324	0.43351	1.37E-01	2.02E-01	6.28E-02	3.19E-02	4.34E-01	1.35E-01	8.77E-06	6.89E-04	9.33E-04	1.36E-01	1.64E-01	2.03E-01	6.28E-02	3.19E-02	4.61E-01
3524	483363.09	3849877.25	0.65736	0.2312	0.3159	0.43337	1.08E-01	1.79E-01	6.13E-02	3.19E-02	3.80E-01	1.06E-01	7.77E-06	6.72E-04	9.33E-04	1.08E-01	1.29E-01	1.79E-01	6.13E-02	3.19E-02	4.01E-01
3525	483863.09	3849877.25	0.59825	0.22294	0.3	0.4064	9.79E-02	1.73E-01	5.82E-02	2.99E-02	3.59E-01	9.64E-02	7.49E-06	6.38E-04	8.75E-04	9.79E-02	1.17E-01	1.73E-01	5.82E-02	2.99E-02	3.78E-01
3526	484363.09	3849877.25	0.88929	0.25849	0.2923	0.32657	1.45E-01	2.01E-01	5.67E-02	2.40E-02	4.27E-01	1.43E-01	8.68E-06	6.21E-04	7.03E-04	1.45E-01	1.74E-01	2.01E-01	5.67E-02	2.40E-02	4.55E-01
3527	484863.09	3849877.25	1.29045	0.33927	0.3296	0.4269	2.11E-01	2.63E-01	6.39E-02	3.14E-02	5.70E-01	2.08E-01	1.14E-05	7.01E-04	9.19E-04	2.10E-01	2.53E-01	2.63E-01	6.39E-02	3.14E-02	6.11E-01
3528	485363.09	3849877.25	1.05285	0.3086	0.3454	0.43504	1.72E-01	2.39E-01	6.70E-02	3.20E-02	5.11E-01	1.70E-01	1.04E-05	7.34E-04	9.37E-04	1.71E-01	2.06E-01	2.39E-01	6.70E-02	3.20E-02	5.44E-01
3529	485863.09	3849877.25	0.72035	0.24722	0.3731	0.4116	1.18E-01	1.92E-01	7.23E-02	3.03E-02	4.12E-01	1.16E-01	8.30E-06	7.93E-04	8.86E-04	1.18E-01	1.41E-01	1.92E-01	7.23E-02	3.03E-02	4.35E-01
3530	486363.09	3849877.25	0.66106	0.23586	0.3462	0.45476	1.08E-01	1.83E-01	6.71E-02	3.35E-02	3.92E-01	1.07E-01	7.92E-06	7.36E-04	9.79E-04	1.08E-01	1.29E-01	1.83E-01	6.71E-02	3.35E-02	4.13E-01
3531	486863.09	3849877.25	0.69909	0.23875	0.3611	0.37778	1.14E-01	1.85E-01	7.00E-02	2.78E-02	3.97E-01	1.13E-01	8.02E-06	7.68E-04	8.13E-04	1.14E-01	1.37E-01	1.85E-01	7.00E-02	2.78E-02	4.20E-01
3532	487363.09	3849877.25	0.63196	0.22761	0.3449	0.38203	1.03E-01	1.77E-01	6.69E-02	2.81E-02	3.75E-01	1.02E-01	7.65E-06	7.33E-04	8.22E-04	1.03E-01	1.24E-01	1.77E-01	6.69E-02	2.81E-02	3.95E-01
3533	487863.09	3849877.25	0.59232	0.21695	0.3393	0.38916	9.69E-02	1.68E-01	6.58E-02	2.87E-02	3.60E-01	9.54E-02	7.29E-06	7.21E-04	8.38E-04	9.70E-02	1.16E-01	1.68E-01	6.58E-02	2.87E-02	3.79E-01
3534	488363.09	3849877.25	0.56293	0.22547	0.3612	0.41931	9.21E-02	1.75E-01	7.00E-02	3.09E-02	3.68E-01	9.07E-02	7.57E-06	7.68E-04	9.03E-04	9.24E-02	1.10E-01	1.75E-01	7.00E-02	3.09E-02	3.86E-01

3535	488863.09	3849877.25	0.53269	0.19699	0.3761	0.40155	8.71E-02	1.53E-01	7.29E-02	2.96E-02	3.42E-01	8.58E-02	6.62E-06	8.00E-04	8.64E-04	8.75E-02	1.04E-01	1.53E-01	7.29E-02	2.96E-02	3.60E-01
3536	489363.09	3849877.25	0.50829	0.21188	0.387	0.39425	8.31E-02	1.64E-01	7.50E-02	2.90E-02	3.52E-01	8.19E-02	7.12E-06	8.23E-04	8.49E-04	8.36E-02	9.95E-02	1.64E-01	7.50E-02	2.90E-02	3.68E-01
3537	489863.09	3849877.25	0.46239	0.19309	0.454	0.47619	7.56E-02	1.50E-01	8.80E-02	3.51E-02	3.49E-01	7.45E-02	6.49E-06	9.65E-04	1.03E-03	7.65E-02	9.05E-02	1.50E-01	8.80E-02	3.51E-02	3.63E-01
3538	490363.09	3849877.25	0.43707	0.18648	0.4988	0.55452	7.15E-02	1.45E-01	9.67E-02	4.08E-02	3.54E-01	7.04E-02	6.26E-06	1.06E-03	1.19E-03	7.27E-02	8.55E-02	1.45E-01	9.67E-02	4.08E-02	3.68E-01
3539	490863.09	3849877.25	0.39825	0.18385	0.4325	0.49908	6.51E-02	1.43E-01	8.39E-02	3.67E-02	3.28E-01	6.42E-02	6.18E-06	9.20E-04	1.07E-03	6.62E-02	7.79E-02	1.43E-01	8.39E-02	3.67E-02	3.41E-01
3540	491363.09	3849877.25	0.36926	0.16962	0.4338	0.45014	6.04E-02	1.32E-01	8.41E-02	3.31E-02	3.09E-01	5.95E-02	5.70E-06	9.22E-04	9.69E-04	6.14E-02	7.23E-02	1.32E-01	8.41E-02	3.31E-02	3.21E-01
3541	491863.09	3849877.25	0.32423	0.15517	0.4215	0.46748	5.30E-02	1.20E-01	8.17E-02	3.44E-02	2.90E-01	5.22E-02	5.21E-06	8.96E-04	1.01E-03	5.42E-02	6.34E-02	1.20E-01	8.17E-02	3.44E-02	3.00E-01
3542	492363.09	3849877.25	0.29286	0.14283	0.4987	0.48181	4.79E-02	1.11E-01	9.67E-02	3.55E-02	2.91E-01	4.72E-02	4.80E-06	1.06E-03	1.04E-03	4.93E-02	5.73E-02	1.11E-01	9.67E-02	3.55E-02	3.00E-01
3543	492863.09	3849877.25	0.27522	0.14163	0.5054	0.46356	4.50E-02	1.10E-01	9.80E-02	3.41E-02	2.87E-01	4.43E-02	4.76E-06	1.07E-03	9.98E-04	4.64E-02	5.39E-02	1.10E-01	9.80E-02	3.41E-02	2.96E-01
3544	493363.09	3849877.25	0.25213	0.13147	0.5569	0.44628	4.12E-02	1.02E-01	1.08E-01	3.29E-02	2.84E-01	4.06E-02	4.42E-06	1.18E-03	9.61E-04	4.28E-02	4.93E-02	1.02E-01	1.08E-01	3.29E-02	2.92E-01
3545	493863.09	3849877.25	0.22777	0.12707	0.4399	0.44157	3.73E-02	9.86E-02	8.53E-02	3.25E-02	2.54E-01	3.67E-02	4.27E-06	9.35E-04	9.51E-04	3.86E-02	4.46E-02	9.86E-02	8.53E-02	3.25E-02	2.61E-01
3546	494363.09	3849877.25	0.25684	0.14353	0.5184	0.47629	4.20E-02	1.11E-01	1.01E-01	3.51E-02	2.89E-01	4.14E-02	4.82E-06	1.10E-03	1.03E-03	4.35E-02	5.03E-02	1.11E-01	1.01E-01	3.51E-02	2.97E-01
3547	494863.09	3849877.25	0.27849	0.16366	0.754	0.52057	4.55E-02	1.27E-01	1.46E-01	3.83E-02	3.57E-01	4.49E-02	5.50E-06	1.60E-03	1.12E-03	4.76E-02	5.45E-02	1.27E-01	1.46E-01	3.83E-02	3.66E-01
3548	495363.09	3849877.25	0.26249	0.13008	0.873	0.45816	4.29E-02	1.01E-01	1.69E-01	3.37E-02	3.47E-01	4.23E-02	4.37E-06	1.86E-03	9.86E-04	4.51E-02	5.14E-02	1.01E-01	1.69E-01	3.37E-02	3.55E-01
3549	495863.09	3849877.25	0.29015	0.14589	1.0426	0.47138	4.75E-02	1.13E-01	2.02E-01	3.47E-02	3.97E-01	4.68E-02	4.90E-06	2.22E-03	1.01E-03	5.00E-02	5.68E-02	1.13E-01	2.02E-01	3.47E-02	4.07E-01
3550	496363.09	3849877.25	0.29722	0.1583	1.0852	0.50633	4.86E-02	1.23E-01	2.10E-01	3.73E-02	4.19E-01	4.79E-02	5.32E-06	2.31E-03	1.09E-03	5.13E-02	5.82E-02	1.23E-01	2.10E-01	3.73E-02	4.29E-01
3551	496863.09	3849877.25	0.30089	0.16439	1.2218	0.50771	4.92E-02	1.28E-01	2.37E-01	3.74E-02	4.51E-01	4.85E-02	5.52E-06	2.60E-03	1.09E-03	5.22E-02	5.89E-02	1.28E-01	2.37E-01	3.74E-02	4.61E-01
3552	497363.09	3849877.25	0.36234	0.16411	1.2934	0.5359	5.93E-02	1.27E-01	2.51E-01	3.95E-02	4.77E-01	5.84E-02	5.51E-06	2.75E-03	1.15E-03	6.23E-02	7.09E-02	1.27E-01	2.51E-01	3.95E-02	4.88E-01
3553	497863.09	3849877.25	0.37107	0.17018	1.24	0.5408	6.07E-02	1.32E-01	2.40E-01	3.98E-02	4.73E-01	5.98E-02	5.72E-06	2.64E-03	1.16E-03	6.36E-02	7.26E-02	1.32E-01	2.40E-01	3.98E-02	4.85E-01
3554	498363.09	3849877.25	0.34779	0.16843	1.1057	0.53474	5.69E-02	1.31E-01	2.14E-01	3.94E-02	4.41E-01	5.60E-02	5.66E-06	2.35E-03	1.15E-03	5.95E-02	6.81E-02	1.31E-01	2.14E-01	3.94E-02	4.52E-01
3555	471363.09	3850377.25	1.28345	0.6517	0.2471	0.33474	2.10E-01	5.06E-01	4.79E-02	2.46E-02	7.88E-01	2.07E-01	2.19E-05	5.25E-04	7.21E-04	2.08E-01	2.51E-01	5.06E-01	4.79E-02	2.46E-02	8.29E-01
3556	471863.09	3850377.25	1.46425	0.96837	0.2497	0.3377	2.39E-01	7.51E-01	4.84E-02	2.49E-02	1.06E+00	2.36E-01	3.25E-05	5.31E-04	7.27E-04	2.37E-01	2.87E-01	7.51E-01	4.84E-02	2.49E-02	1.11E+00
3557	472363.09	3850377.25	1.64101	1.21238	0.2505	0.3289	2.68E-01	9.40E-01	4.86E-02	2.42E-02	1.28E+00	2.64E-01	4.07E-05	5.33E-04	7.08E-04	2.66E-01	3.21E-01	9.40E-01	4.86E-02	2.42E-02	1.33E+00
3558	472863.09	3850377.25	1.82015	1.71218	0.2542	0.35077	2.98E-01	1.33E+00	4.93E-02	2.58E-02	1.70E+00	2.93E-01	5.75E-05	5.40E-04	7.55E-04	2.95E-01	3.56E-01	1.33E+00	4.93E-02	2.58E-02	1.76E+00
3559	473363.09	3850377.25	1.99174	1.7452	0.253	0.34228	3.26E-01	1.35E+00	4.91E-02	2.52E-02	1.75E+00	3.21E-01	5.86E-05	5.38E-04	7.37E-04	3.22E-01	3.90E-01	1.35E+00	4.91E-02	2.52E-02	1.82E+00
3560	473863.09	3850377.25	2.26734	1.62906	0.2462	0.35861	3.71E-01	1.26E+00	4.77E-02	2.64E-02	1.71E+00	3.65E-01	5.47E-05	5.24E-04	7.72E-04	3.67E-01	4.44E-01	1.26E+00	4.77E-02	2.64E-02	1.78E+00
3561	474363.09	3850377.25	2.58622	1.81451	0.2392	0.36957	4.23E-01	1.41E+00	4.64E-02	2.72E-02	1.90E+00	4.17E-01	6.10E-05	5.09E-04	7.96E-04	4.18E-01	5.06E-01	1.41E+00	4.64E-02	2.72E-02	1.99E+00
3562	474863.09	3850377.25	2.93737	1.85875	0.2197	0.36605	4.80E-01	1.44E+00	4.26E-02	2.70E-02	1.99E+00	4.73E-01	6.24E-05	4.67E-04	7.88E-04	4.75E-01	5.75E-01	1.44E+00	4.26E-02	2.70E-02	2.09E+00
3563	475363.09	3850377.25	2.95572	1.93521	0.2111	0.34163	4.83E-01	1.50E+00	4.09E-02	2.52E-02	2.05E+00	4.76E-01	6.50E-05	4.49E-04	7.35E-04	4.78E-01	5.78E-01	1.50E+00	4.09E-02	2.52E-02	2.15E+00
3564	475863.09	3850377.25	3.68056	2.14198	0.2294	0.30199	6.02E-01	1.66E+00	4.45E-02	2.22E-02	2.33E+00	5.93E-01	7.20E-05	4.88E-04	6.50E-04	5.94E-01	7.20E-01	1.66E+00	4.45E-02	2.22E-02	2.45E+00
3565	476363.09	3850377.25	3.27011	1.87788	0.2263	0.30492	5.35E-01	1.46E+00	4.39E-02	2.24E-02	2.06E+00	5.27E-01	6.31E-05	4.81E-04	6.56E-04	5.28E-01	6.40E-01	1.46E+00	4.39E-02	2.24E-02	2.16E+00
3566	476863.09	3850377.25	3.39828	1.76117	0.2211	0.28439	5.56E-01	1.37E+00	4.29E-02	2.09E-02	1.99E+00	5.48E-01	5.92E-05	4.70E-04	6.12E-04	5.49E-01	6.65E-01	1.37E+00	4.29E-02	2.09E-02	2.09E+00
3567	477363.09	3850377.25	3.04579	2.08477	0.2219	0.29542	4.98E-01	1.62E+00	4.30E-02	2.18E-02	2.18E+00	4.91E-01	7.00E-05	4.72E-04	6.36E-04	4.92E-01	5.96E-01	1.62E+00	4.30E-02	2.18E-02	2.28E+00
3568	477863.09	3850377.25	3.47304	3.1098	0.2277	0.28774	5.68E-01	2.41E+00	4.42E-02	2.12E-02	3.05E+00	5.60E-01	1.04E-04	4.84E-04	6.19E-04	5.61E-01	6.80E-01	2.41E+00	4.42E-02	2.12E-02	3.16E+00
3569	478363.09	3850377.25	3.86756	3.02578	0.2319	0.24561	6.33E-01	2.35E+00	4.50E-02	1.81E-02	3.04E+00	6.23E-01	1.02E-04	4.93E-04	5.29E-04	6.24E-01	7.57E-01	2.35E+00	4.50E-02	1.81E-02	3.17E+00
3570	478863.09	3850377.25	3.06518	2.77703	0.2384	0.27212	5.01E-01	2.15E+00	4.62E-02	2.00E-02	2.72E+00	4.94E-01	9.33E-05	5.07E-04	5.86E-04	4.95E-01	6.00E-01	2.15E+00	4.62E-02	2.00E-02	2.82E+00
3571	479363.09	3850377.25	3.47541	2.53792	0.2408	0.29567	5.68E-01	1.97E+00	4.67E-02	2.18E-02	2.61E+00	5.60E-01	8.53E-05	5.12E-04	6.37E-04	5.61E-01	6.80E-01	1.97E+00	4.67E-02	2.18E-02	2.72E+00
3572	479863.09	3850377.25	6.01808	2.0765	0.2432	0.3378	9.84E-01	1.61E+00	4.72E-02	2.49E-02	2.67E+00	9.70E-01	6.98E-05	5.17E-04	7.27E-04	9.71E-01	1.18E+00	1.61E+00	4.72E-02	2.49E-02	2.86E+00
3573	480363.09	3850377.25	5.79626	1.48557	0.2517	0.3404	9.48E-01	1.15E+00	4.88E-02	2.51E-02	2.17E+00	9.34E-01	4.99E-05	5.35E-04	7.33E-04	9.35E-01	1.13E+00	1.15E+00	4.88E-02	2.51E-02	2.36E+00
3574	480863.09	3850377.25	4.55604	1.31253	0.2829	0.36508	7.45E-01	1.02E+00	5.49E-02	2.69E-02	1.85E+00	7.34E-01	4.41E-05	6.01E-04	7.86E-04	7.36E-01	8.92E-01	1.02E+00	5.49E-02	2.69E-02	1.99E+00
3575	481363.09	3850377.25	2.89403	0.68796	0.3175	0.43211	4.73E-01	5.34E-01	6.16E-02	3.18E-02	1.10E+00	4.66E-01	2.31E-05	6.75E-04	9.30E-04	4.68E-01	5.66E-01	5.34E-01	6.16E-02	3.18E-02	1.19E+00
3576	481863.09	3850377.25	3.0243	0.62291	0.3495	0.49015	4.95E-01	4.83E-01	6.78E-02	3.61E-02	1.08E+00	4.87E-01	2.09E-05	7.43E-04	1.06E-03	4.89E-01	5.92E-01	4.83E-01	6.78E-02	3.61E-02	1.18E+00
3577	482363.09	3850377.25	2.66234	0.53879	0.3552	0.53778	4.35E-01	4.18E-01	6.89E-02	3.96E-02	9.62E-01	4.29E-01	1.81E-05	7.55E-04	1.16E-03	4.31E-01	5.21E-01	4.18E-01	6.89E-02	3.96E-02	1.05E+00
3578	482863.09	3850377.25	1.47336	0.37291	0.3625	0.44759	2.41E-01	2.89E-01	7.03E-02	3.30E-02	6.34E-01	2.37E-01	1.25E-05	7.71E-04	9.64E-04	2.39E-01	2.88E-01	2.89E-01	7.03E-02	3.30E-02	6.81E-01
3579	483363.09	3850377.25	0.94627	0.28818	0.3573	0.47006	1.55E-01	2.24E-01	6.93E-02	3.46E-02	4.82E-01	1.52E-01	9.68E-06	7.60E-04	1.01E-03	1.54E-01	1.85E-01	2.24E-01	6.93E-02	3.46E-02	5.13E-01
3580	483863.09	3850377.25	0.95044	0.28572	0.3641	0.46435	1.55E-01	2.22E-01	7.06E-02	3.42E-02	4.82E-01	1.53E-01	9.60E-06	7.74E-04	1.00E-03	1.55E-01	1.86E-01	2.22E-01	7.06E-02	3.42E-02	5.12E-01
3581	484363.09	3850377.25	1.24166	0.32398	0.346	0.38333	2.03E-01	2.51E-01	6.71E-02	2.82E-02	5.50E-01	2.00E-01	1.09E-05	7.36E-04	8.25E-04	2.02E-01	2.43E-01	2.51E-01	6.71E-02	2.82E-02	5.90E-01
3582	484863.09	3850377.25	1.51065	0.38367	0.3498	0.43864	2.47E-01	2.98E-01	6.78E-02	3.23E-02	6.45E-01	2.43E-01	1.29E-05	7.44E-04	9.44E-04	2.45E-01	2.96E-01	2.98E-01	6.78E-02	3.23E-02	6.93E-01
3583	485363.09	3850377.25	1.40325	0.36666	0.361	0.46101	2.30E-01	2.84E-01	7.00E-02	3.39E-02	6.18E-01	2.26E-01	1.23E-05	7.67E-04	9.92E-04	2.28E-01	2.75E-01	2.84E-01	7.00E-02	3.39E-02	6.63E-01
3584	485863.09	3850377.25	1.05705	0.30254	0.3952	0.4831	1.73E-01	2.35E-01	7.66E-02	3.56E-02	5.20E-01	1.70E-01	1.02E-05	8.40E-04	1.04E-03	1.72E-01	2.07E-01	2.35E-01	7.66E-02	3.56E-02	5.54E-01
3585	486363.09	3850377.25	0.99025	0.29238	0.4189	0.50826	1.62E-01	2.27E-01	8.12E-02	3.74E-02	5.07E-01	1.60E-01	9.82E-06	8.91E-04	1.09E-03	1.62E-01	1.94E-01	2.27E-01	8.12E-02	3.74E-02	5.39E-01
3586	486863.09	3850377.25	0.89399	0.2868	0.373	0.48014	1.46E-01	2.22E-01	7.23E-02	3.53E-02	4.76E-01	1.44E-01	9.63E-06	7.93E-04	1.03E-03	1.46E-01	1.75E-01	2.22E-01	7.23E-02	3.53E-02	5.05E-01
3587	487363.09	3850377.25	0.74146	0.25161	0.3733	0.44684	1.21E-01	1.95E-01	7.24E-02	3.29E-02	4.22E-01	1.19E-01	8.45E-06	7.94E-04	9.62E-04	1.21E-01	1.45E-01	1.95E-01	7.24E-02	3.29E-02	4.46E-01
3588	487863.09	3850377.25	0.70578	0.23883	0.3608	0.44394	1.15E-01	1.85E-01	7.00E-02	3.27E-02	4.03E-01	1.14E-01	8.02E-06	7.67E-04	9.56E-04	1.15E-01	1.38E-01	1.85E-01	7.00E-02	3.27E-02	4.26E-01
3589	488363.09	3850377.25	0.66128	0.25351	0.3984	0.45529	1.08E-01	1.97E-01	7.73E-02	3.35E-02	4.16E-01	1.07E-01	8.52E-06	8.47E-04	9.80E-04	1.08E-01	1.29E-01	1.97E-01	7.73E-02	3.35E-02	4.37E-01
3590	488863.09	3850377.25	0.60393	0.21838	0.4089	0.41683	9.88E-02	1.69E-01	7.93E-02	3.07E-02	3.78E-01	9.73E-02	7.34E-06	8.69E-04	8.97E-04	9.91E-02	1.18E-01	1.69E-01	7.93E-02	3.07E-02	3.98E-01
3591	489363.09	3850377.25	0.57158	0.23013	0.4361	0.50554	9.35E-02	1.79E-01	8.46E-02	3.72E-02	3.94E-01	9.21E-02	7.73E-06	9.27E-04	1.09E-03	9.41E-02	1.12E-01	1.79E-01	8.46E-02	3.72E-02	4.12E-01
3592	489863.09	3850377.25	0.51982	0.21529	0.5074	0.61537	8.50E-02	1.67E-01	9.84E-02	4.53E-02	3.96E-01	8.38E-02	7.23E-06	1.08E-03	1.32E-03	8.62E-02	1.02E-01	1.67E-01	9.84E-02	4.53E-02	4.12E-01
3593	490363.09	3850377.25	0.47654	0.20295	0.5412	0.6172	7.79E-02	1.57E-01	1.05E-01	4.54E-02	3.86E-01	7.68E-02	6.82E-06	1.15E-03	1.33E-03	7.93E-02	9.32E-02	1.57E-01	1.05E-01	4.54E-02	4.01E-01
3594	490863.09	3850377.25	0.45752	0.19778	0.486	0.509	7.48E-02	1.53E-01	9.42E-02	3.75E-02	3.60E-01	7.37E-02	6.64E-06	1.03E-03	1.10E-03	7.59E-02	8.95E-02	1.53E-01	9.42E-02	3.75E-02	3.75E-01
3595	491363.09	3850377.25	0.40898	0.17078	0.4779	0.48619	6.69E-02	1.32E-01	9.27E-02	3.58E-02	3.28E-01	6.59E-02	5.74E-06	1.02E-03	1.05E-03	6.80E-02	8.00E-02	1.32E-01	9.27E-02	3.58E-02	3.41E-01

3596	491863.09	3850377.25	0.36028	0.1618	0.5062	0.48531	5.89E-02	1.26E-01	9.81E-02	3.57E-02	3.18E-01	5.81E-02	5.44E-06	1.08E-03	1.04E-03	6.02E-02	7.05E-02	1.26E-01	9.81E-02	3.57E-02	3.30E-01
3597	492363.09	3850377.25	0.31652	0.15193	0.5397	0.50947	5.18E-02	1.18E-01	1.05E-01	3.75E-02	3.12E-01	5.10E-02	5.10E-06	1.15E-03	1.10E-03	5.33E-02	6.19E-02	1.18E-01	1.05E-01	3.75E-02	3.22E-01
3598	492863.09	3850377.25	0.30653	0.15815	0.5802	0.50299	5.01E-02	1.23E-01	1.13E-01	3.70E-02	3.22E-01	4.94E-02	5.31E-06	1.23E-03	1.08E-03	5.17E-02	6.00E-02	1.23E-01	1.13E-01	3.70E-02	3.32E-01
3599	493363.09	3850377.25	0.27436	0.15441	0.4836	0.4969	4.49E-02	1.20E-01	9.38E-02	3.66E-02	2.95E-01	4.42E-02	5.19E-06	1.03E-03	1.07E-03	4.63E-02	5.37E-02	1.20E-01	9.38E-02	3.66E-02	3.04E-01
3600	493863.09	3850377.25	0.27624	0.16085	0.523	0.52747	4.52E-02	1.25E-01	1.01E-01	3.88E-02	3.10E-01	4.45E-02	5.40E-06	1.11E-03	1.14E-03	4.68E-02	5.41E-02	1.25E-01	1.01E-01	3.88E-02	3.19E-01
3601	494363.09	3850377.25	0.29156	0.15852	0.7713	0.51917	4.77E-02	1.23E-01	1.50E-01	3.82E-02	3.58E-01	4.70E-02	5.32E-06	1.64E-03	1.12E-03	4.97E-02	5.71E-02	1.23E-01	1.50E-01	3.82E-02	3.68E-01
3602	494863.09	3850377.25	0.31721	0.16199	0.9221	0.52115	5.19E-02	1.26E-01	1.79E-01	3.84E-02	3.95E-01	5.11E-02	5.44E-06	1.96E-03	1.12E-03	5.42E-02	6.21E-02	1.26E-01	1.79E-01	3.84E-02	4.05E-01
3603	495363.09	3850377.25	0.35429	0.17166	1.1745	0.52236	5.79E-02	1.33E-01	2.28E-01	3.85E-02	4.57E-01	5.71E-02	5.77E-06	2.50E-03	1.12E-03	6.07E-02	6.93E-02	1.33E-01	2.28E-01	3.85E-02	4.69E-01
3604	495863.09	3850377.25	0.33044	0.17028	1.1806	0.55653	5.40E-02	1.32E-01	2.29E-01	4.10E-02	4.56E-01	5.32E-02	5.72E-06	2.51E-03	1.20E-03	5.70E-02	6.47E-02	1.32E-01	2.29E-01	4.10E-02	4.67E-01
3605	496363.09	3850377.25	0.37345	0.17168	1.3222	0.5391	6.11E-02	1.33E-01	2.56E-01	3.97E-02	4.90E-01	6.02E-02	5.77E-06	2.81E-03	1.16E-03	6.42E-02	7.31E-02	1.33E-01	2.56E-01	3.97E-02	5.02E-01
3606	496863.09	3850377.25	0.39572	0.17653	1.3586	0.5777	6.47E-02	1.37E-01	2.63E-01	4.25E-02	5.08E-01	6.38E-02	5.93E-06	2.89E-03	1.24E-03	6.79E-02	7.74E-02	1.37E-01	2.63E-01	4.25E-02	5.20E-01
3607	497363.09	3850377.25	0.40763	0.18392	1.2806	0.59169	6.67E-02	1.43E-01	2.48E-01	4.36E-02	5.01E-01	6.57E-02	6.18E-06	2.72E-03	1.27E-03	6.97E-02	7.98E-02	1.43E-01	2.48E-01	4.36E-02	5.14E-01
3608	497863.09	3850377.25	0.4131	0.17879	1.2032	0.60176	6.76E-02	1.39E-01	2.33E-01	4.43E-02	4.84E-01	6.66E-02	6.01E-06	2.56E-03	1.30E-03	7.04E-02	8.08E-02	1.39E-01	2.33E-01	4.43E-02	4.97E-01
3609	498363.09	3850377.25	0.40653	0.17692	1.2803	0.6421	6.65E-02	1.37E-01	2.48E-01	4.73E-02	4.99E-01	6.55E-02	5.94E-06	2.72E-03	1.38E-03	6.96E-02	7.95E-02	1.37E-01	2.48E-01	4.73E-02	5.12E-01
3610	471363.09	3850877.25	1.83048	0.70563	0.2424	0.34278	2.99E-01	5.47E-01	4.70E-02	2.52E-02	9.19E-01	2.95E-01	2.37E-05	5.15E-04	7.38E-04	2.96E-01	3.58E-01	5.47E-01	4.70E-02	2.52E-02	9.78E-01
3611	471863.09	3850877.25	1.90764	0.86159	0.245	0.39398	3.12E-01	6.68E-01	4.75E-02	2.90E-02	1.06E+00	3.07E-01	2.89E-05	5.21E-04	8.48E-04	3.09E-01	3.73E-01	6.68E-01	4.75E-02	2.90E-02	1.12E+00
3612	472363.09	3850877.25	1.96229	1.09998	0.2632	0.37721	3.21E-01	8.53E-01	5.10E-02	2.78E-02	1.25E+00	3.16E-01	3.70E-05	5.60E-04	8.12E-04	3.18E-01	3.84E-01	8.53E-01	5.10E-02	2.78E-02	1.32E+00
3613	472863.09	3850877.25	2.05165	1.31442	0.2641	0.36586	3.36E-01	1.02E+00	5.12E-02	2.69E-02	1.43E+00	3.31E-01	4.42E-05	5.61E-04	7.88E-04	3.32E-01	4.01E-01	1.02E+00	5.12E-02	2.69E-02	1.50E+00
3614	473363.09	3850877.25	1.96314	1.42914	0.2711	0.35524	3.21E-01	1.11E+00	5.26E-02	2.62E-02	1.51E+00	3.16E-01	4.80E-05	5.76E-04	7.65E-04	3.18E-01	3.84E-01	1.11E+00	5.26E-02	2.62E-02	1.57E+00
3615	473863.09	3850877.25	2.06372	1.8531	0.2751	0.38067	3.38E-01	1.44E+00	5.33E-02	2.80E-02	1.86E+00	3.33E-01	6.22E-05	5.85E-04	8.19E-04	3.34E-01	4.04E-01	1.44E+00	5.33E-02	2.80E-02	1.92E+00
3616	474363.09	3850877.25	2.30179	1.8963	0.2695	0.38848	3.76E-01	1.47E+00	5.23E-02	2.86E-02	1.93E+00	3.71E-01	6.37E-05	5.73E-04	8.36E-04	3.72E-01	4.50E-01	1.47E+00	5.23E-02	2.86E-02	2.00E+00
3617	474863.09	3850877.25	2.58251	2.09987	0.2623	0.40084	4.22E-01	1.63E+00	5.09E-02	2.95E-02	2.13E+00	4.16E-01	7.05E-05	5.58E-04	8.63E-04	4.18E-01	5.05E-01	1.63E+00	5.09E-02	2.95E-02	2.21E+00
3618	475363.09	3850877.25	3.09235	2.05643	0.2564	0.40037	5.06E-01	1.60E+00	4.97E-02	2.95E-02	2.18E+00	4.98E-01	6.91E-05	5.45E-04	8.62E-04	5.00E-01	6.05E-01	1.60E+00	4.97E-02	2.95E-02	2.28E+00
3619	475863.09	3850877.25	3.34235	2.15342	0.2296	0.38326	5.47E-01	1.67E+00	4.45E-02	2.82E-02	2.29E+00	5.39E-01	7.23E-05	4.88E-04	8.25E-04	5.40E-01	6.54E-01	1.67E+00	4.45E-02	2.82E-02	2.40E+00
3620	476363.09	3850877.25	3.50496	2.22849	0.2382	0.34398	5.73E-01	1.73E+00	4.62E-02	2.53E-02	2.37E+00	5.65E-01	7.49E-05	5.06E-04	7.41E-04	5.66E-01	6.86E-01	1.73E+00	4.62E-02	2.53E-02	2.49E+00
3621	476863.09	3850877.25	4.10561	2.45104	0.2428	0.33237	6.72E-01	1.90E+00	4.71E-02	2.45E-02	2.64E+00	6.62E-01	8.23E-05	5.16E-04	7.16E-04	6.63E-01	8.03E-01	1.90E+00	4.71E-02	2.45E-02	2.78E+00
3622	477363.09	3850877.25	3.69239	2.07248	0.2382	0.29753	6.04E-01	1.61E+00	4.62E-02	2.19E-02	2.28E+00	5.95E-01	6.96E-05	5.06E-04	6.41E-04	5.96E-01	7.23E-01	1.61E+00	4.62E-02	2.19E-02	2.40E+00
3623	477863.09	3850877.25	3.63776	2.37071	0.235	0.32781	5.95E-01	1.84E+00	4.56E-02	2.41E-02	2.50E+00	5.86E-01	7.96E-05	5.00E-04	7.06E-04	5.87E-01	7.12E-01	1.84E+00	4.56E-02	2.41E-02	2.62E+00
3624	478363.09	3850877.25	3.79715	3.51732	0.2405	0.31104	6.21E-01	2.73E+00	4.66E-02	2.29E-02	3.42E+00	6.12E-01	1.18E-04	5.11E-04	6.70E-04	6.13E-01	7.43E-01	2.73E+00	4.66E-02	2.29E-02	3.54E+00
3625	478863.09	3850877.25	4.31824	3.66006	0.2479	0.26897	7.06E-01	2.84E+00	4.81E-02	1.98E-02	3.61E+00	6.96E-01	1.23E-04	5.27E-04	5.79E-04	6.97E-01	8.45E-01	2.84E+00	4.81E-02	1.98E-02	3.75E+00
3626	479363.09	3850877.25	3.76506	3.33849	0.259	0.29213	6.16E-01	2.59E+00	5.02E-02	2.15E-02	3.28E+00	6.07E-01	1.12E-04	5.51E-04	6.29E-04	6.08E-01	7.37E-01	2.59E+00	5.02E-02	2.15E-02	3.40E+00
3627	479863.09	3850877.25	4.16566	2.88619	0.2547	0.33878	6.81E-01	2.24E+00	4.94E-02	2.49E-02	2.99E+00	6.71E-01	9.70E-05	5.41E-04	7.29E-04	6.73E-01	8.15E-01	2.24E+00	4.94E-02	2.49E-02	3.13E+00
3628	480363.09	3850877.25	6.64847	2.78673	0.2622	0.37069	1.09E+00	2.16E+00	5.08E-02	2.73E-02	3.33E+00	1.07E+00	9.36E-05	5.57E-04	7.98E-04	1.07E+00	1.30E+00	2.16E+00	5.08E-02	2.73E-02	3.54E+00
3629	480863.09	3850877.25	6.88021	2.13939	0.2706	0.38139	1.13E+00	1.66E+00	5.25E-02	2.81E-02	2.87E+00	1.11E+00	7.19E-05	5.75E-04	8.21E-04	1.11E+00	1.35E+00	1.66E+00	5.25E-02	2.81E-02	3.09E+00
3630	481363.09	3850877.25	5.00402	1.51791	0.3039	0.42845	8.18E-01	1.18E+00	5.89E-02	3.15E-02	2.09E+00	8.06E-01	5.10E-05	6.46E-04	9.22E-04	8.08E-01	9.79E-01	1.18E+00	5.89E-02	3.15E-02	2.25E+00
3631	481863.09	3850877.25	3.60589	1.20271	0.3413	0.5008	5.90E-01	9.33E-01	6.62E-02	3.69E-02	1.63E+00	5.81E-01	4.04E-05	7.26E-04	1.08E-03	5.83E-01	7.06E-01	9.33E-01	6.62E-02	3.69E-02	1.74E+00
3632	482363.09	3850877.25	3.80651	0.75413	0.3656	0.54557	6.23E-01	5.85E-01	7.09E-02	4.02E-02	1.32E+00	6.13E-01	2.53E-05	7.77E-04	1.17E-03	6.15E-01	7.45E-01	5.85E-01	7.09E-02	4.02E-02	1.44E+00
3633	482863.09	3850877.25	2.98267	0.58288	0.3827	0.5188	4.88E-01	4.52E-01	7.42E-02	3.82E-02	1.05E+00	4.81E-01	1.96E-05	8.14E-04	1.12E-03	4.83E-01	5.84E-01	4.52E-01	7.42E-02	3.82E-02	1.15E+00
3634	483363.09	3850877.25	1.97561	0.41321	0.3813	0.50438	3.23E-01	3.21E-01	7.39E-02	3.71E-02	7.55E-01	3.18E-01	1.39E-05	8.11E-04	1.09E-03	3.20E-01	3.87E-01	3.21E-01	7.39E-02	3.71E-02	8.18E-01
3635	483863.09	3850877.25	1.55866	0.38252	0.3989	0.4835	2.55E-01	2.97E-01	7.74E-02	3.56E-02	6.65E-01	2.51E-01	1.28E-05	8.48E-04	1.04E-03	2.53E-01	3.05E-01	2.97E-01	7.74E-02	3.56E-02	7.15E-01
3636	484363.09	3850877.25	1.92284	0.44232	0.3838	0.44027	3.15E-01	3.43E-01	7.44E-02	3.24E-02	7.64E-01	3.10E-01	1.49E-05	8.16E-04	9.48E-04	3.12E-01	3.76E-01	3.43E-01	7.44E-02	3.24E-02	8.26E-01
3637	484863.09	3850877.25	1.79565	0.41158	0.3617	0.46545	2.94E-01	3.19E-01	7.01E-02	3.43E-02	7.17E-01	2.89E-01	1.38E-05	7.69E-04	1.00E-03	2.91E-01	3.51E-01	3.19E-01	7.01E-02	3.43E-02	7.75E-01
3638	485363.09	3850877.25	1.74866	0.39966	0.3823	0.49479	2.86E-01	3.10E-01	7.41E-02	3.64E-02	7.07E-01	2.82E-01	1.34E-05	8.13E-04	1.07E-03	2.84E-01	3.42E-01	3.10E-01	7.41E-02	3.64E-02	7.63E-01
3639	485863.09	3850877.25	1.23596	0.35392	0.4219	0.55349	2.02E-01	2.75E-01	8.18E-02	4.08E-02	5.99E-01	1.99E-01	1.19E-05	8.97E-04	1.19E-03	2.01E-01	2.42E-01	2.75E-01	8.18E-02	4.08E-02	6.39E-01
3640	486363.09	3850877.25	1.21395	0.33747	0.4474	0.54934	1.99E-01	2.62E-01	8.68E-02	4.04E-02	5.88E-01	1.96E-01	1.13E-05	9.51E-04	1.18E-03	1.98E-01	2.38E-01	2.62E-01	8.68E-02	4.04E-02	6.27E-01
3641	486863.09	3850877.25	1.0675	0.33087	0.3993	0.5718	1.75E-01	2.57E-01	7.74E-02	4.21E-02	5.51E-01	1.72E-01	1.11E-05	8.49E-04	1.23E-03	1.74E-01	2.09E-01	2.57E-01	7.74E-02	4.21E-02	5.85E-01
3642	487363.09	3850877.25	0.88506	0.28435	0.4008	0.53468	1.45E-01	2.21E-01	7.77E-02	3.94E-02	4.82E-01	1.43E-01	9.55E-06	8.52E-04	1.15E-03	1.45E-01	1.73E-01	2.21E-01	7.77E-02	3.94E-02	5.11E-01
3643	487863.09	3850877.25	0.82232	0.25757	0.3834	0.50172	1.34E-01	2.00E-01	7.43E-02	3.69E-02	4.46E-01	1.33E-01	8.65E-06	8.15E-04	1.08E-03	1.34E-01	1.61E-01	2.00E-01	7.43E-02	3.69E-02	4.72E-01
3644	488363.09	3850877.25	0.76533	0.28324	0.4433	0.4807	1.25E-01	2.20E-01	8.60E-02	3.54E-02	4.66E-01	1.23E-01	9.51E-06	9.43E-04	1.03E-03	1.25E-01	1.50E-01	2.20E-01	8.60E-02	3.54E-02	4.91E-01
3645	488863.09	3850877.25	0.70073	0.24218	0.4394	0.5278	1.15E-01	1.88E-01	8.52E-02	3.89E-02	4.27E-01	1.13E-01	8.14E-06	9.34E-04	1.14E-03	1.15E-01	1.37E-01	1.88E-01	8.52E-02	3.89E-02	4.49E-01
3646	489363.09	3850877.25	0.64865	0.26403	0.4848	0.622	1.06E-01	2.05E-01	9.40E-02	4.58E-02	4.51E-01	1.05E-01	8.87E-06	1.03E-03	1.34E-03	1.07E-01	1.27E-01	2.05E-01	9.40E-02	4.58E-02	4.72E-01
3647	489863.09	3850877.25	0.59147	0.23405	0.534	0.65789	9.67E-02	1.82E-01	1.04E-01	4.84E-02	4.30E-01	9.53E-02	7.86E-06	1.14E-03	1.42E-03	9.79E-02	1.16E-01	1.82E-01	1.04E-01	4.84E-02	4.49E-01
3648	490363.09	3850877.25	0.55508	0.21953	0.5227	0.62595	9.08E-02	1.70E-01	1.01E-01	4.61E-02	4.09E-01	8.94E-02	7.37E-06	1.11E-03	1.35E-03	9.19E-02	1.09E-01	1.70E-01	1.01E-01	4.61E-02	4.26E-01
3649	490863.09	3850877.25	0.51113	0.2215	0.5067	0.54029	8.36E-02	1.72E-01	9.82E-02	3.98E-02	3.93E-01	8.24E-02	7.44E-06	1.08E-03	1.16E-03	8.46E-02	1.00E-01	1.72E-01	9.82E-02	3.98E-02	4.10E-01
3650	491363.09	3850877.25	0.45532	0.18005	0.4879	0.52186	7.45E-02	1.40E-01	9.46E-02	3.84E-02	3.47E-01	7.34E-02	6.05E-06	1.04E-03	1.12E-03	7.55E-02	8.91E-02	1.40E-01	9.46E-02	3.84E-02	3.62E-01
3651	491863.09	3850877.25	0.42058	0.18068	0.5638	0.57639	6.88E-02	1.40E-01	1.09E-01	4.24E-02	3.61E-01	6.78E-02	6.07E-06	1.20E-03	1.24E-03	7.02E-02	8.23E-02	1.40E-01	1.09E-01	4.24E-02	3.74E-01
3652	492363.09	3850877.25	0.36363	0.1747	0.5871	0.59637	5.95E-02	1.36E-01	1.14E-01	4.39E-02	3.53E-01	5.86E-02	5.87E-06	1.25E-03	1.28E-03	6.11E-02	7.12E-02	1.36E-01	1.14E-01	4.39E-02	3.64E-01
3653	492863.09	3850877.25	0.34339	0.17482	0.614	0.56861	5.62E-02	1.36E-01	1.19E-01	4.19E-02	3.53E-01	5.53E-02	5.87E-06	1.31E-03	1.22E-03	5.79E-02	6.72E-02	1.36E-01	1.19E-01	4.19E-02	3.64E-01
3654	493363.09	3850877.25	0.31888	0.1667	0.5263	0.56256	5.22E-02	1.29E-01	1.02E-01	4.14E-02	3.25E-01	5.14E-02	5.60E-06	1.12E-03	1.21E-03	5.37E-02	6.24E-02	1.29E-01	1.02E-01	4.14E-02	3.35E-01
3655	493863.09	3850877.25	0.34491	0.17525	0.7763	0.55558	5.64E-02	1.36E-01	1.51E-01	4.09E-02	3.84E-01	5.56E-02	5.89E-06	1.65E-03	1.20E-03	5.84E-02	6.75E-02	1.36E-01	1.51E-01	4.09E-02	3.95E-01
3656	494363.09	3850877.25	0.36309	0.17195	0.9728	0.55422	5.94E-02	1.33E-01	1.89E-01	4.08E-02	4.22E-01	5.85E-02	5.78E-06	2.07E-03	1.19E-03	6.18E-02	7.10E-02	1.33E-01	1.89E-01	4.08E-02	4.34E-01

3657	494863.09	3850877.25	0.38569	0.17815	1.2866	0.57043	6.31E-02	1.38E-01	2.49E-01	4.20E-02	4.93E-01	6.21E-02	5.98E-06	2.74E-03	1.23E-03	6.61E-02	7.55E-02	1.38E-01	2.49E-01	4.20E-02	5.05E-01
3658	495363.09	3850877.25	0.43357	0.20245	1.2939	0.56172	7.09E-02	1.57E-01	2.51E-01	4.14E-02	5.20E-01	6.99E-02	6.80E-06	2.75E-03	1.21E-03	7.38E-02	8.48E-02	1.57E-01	2.51E-01	4.14E-02	5.34E-01
3659	495863.09	3850877.25	0.41431	0.1898	1.4769	0.59807	6.78E-02	1.47E-01	2.86E-01	4.40E-02	5.45E-01	6.68E-02	6.38E-06	3.14E-03	1.29E-03	7.12E-02	8.11E-02	1.47E-01	2.86E-01	4.40E-02	5.59E-01
3660	496363.09	3850877.25	0.42605	0.18786	1.4344	0.62118	6.97E-02	1.46E-01	2.78E-01	4.57E-02	5.39E-01	6.87E-02	6.31E-06	3.05E-03	1.34E-03	7.30E-02	8.34E-02	1.46E-01	2.78E-01	4.57E-02	5.53E-01
3661	496863.09	3850877.25	0.47277	0.20295	1.3031	0.66487	7.73E-02	1.57E-01	2.53E-01	4.90E-02	5.36E-01	7.62E-02	6.82E-06	2.77E-03	1.43E-03	8.04E-02	9.25E-02	1.57E-01	2.53E-01	4.90E-02	5.52E-01
3662	497363.09	3850877.25	0.48231	0.19366	1.3296	0.69015	7.89E-02	1.50E-01	2.58E-01	5.08E-02	5.38E-01	7.77E-02	6.51E-06	2.83E-03	1.49E-03	8.20E-02	9.44E-02	1.50E-01	2.58E-01	5.08E-02	5.53E-01
3663	497863.09	3850877.25	0.45944	0.19002	1.3754	0.71275	7.51E-02	1.47E-01	2.67E-01	5.25E-02	5.42E-01	7.40E-02	6.38E-06	2.92E-03	1.53E-03	7.85E-02	8.99E-02	1.47E-01	2.67E-01	5.25E-02	5.56E-01
3664	498363.09	3850877.25	0.43872	0.19379	1.3569	0.697	7.18E-02	1.50E-01	2.63E-01	5.13E-02	5.37E-01	7.07E-02	6.51E-06	2.89E-03	1.50E-03	7.51E-02	8.58E-02	1.50E-01	2.63E-01	5.13E-02	5.51E-01
3665	471363.09	3851377.25	1.81865	0.64904	0.2642	0.35015	2.97E-01	5.03E-01	5.12E-02	2.58E-02	8.78E-01	2.93E-01	2.18E-05	5.62E-04	7.54E-04	2.94E-01	3.56E-01	5.03E-01	5.12E-02	2.58E-02	9.36E-01
3666	471863.09	3851377.25	2.24919	0.91528	0.2666	0.35434	3.68E-01	7.10E-01	5.17E-02	2.61E-02	1.16E+00	3.62E-01	3.07E-05	5.67E-04	7.63E-04	3.64E-01	4.40E-01	7.10E-01	5.17E-02	2.61E-02	1.23E+00
3667	472363.09	3851377.25	2.35686	0.9878	0.2706	0.37686	3.85E-01	7.66E-01	5.25E-02	2.77E-02	1.23E+00	3.80E-01	3.32E-05	5.75E-04	8.11E-04	3.81E-01	4.61E-01	7.66E-01	5.25E-02	2.77E-02	1.31E+00
3668	472863.09	3851377.25	2.44947	1.08851	0.2656	0.42136	4.01E-01	8.44E-01	5.15E-02	3.10E-02	1.33E+00	3.95E-01	3.66E-05	5.65E-04	9.07E-04	3.96E-01	4.79E-01	8.44E-01	5.15E-02	3.10E-02	1.41E+00
3669	473363.09	3851377.25	2.16312	0.97263	0.2745	0.41105	3.54E-01	7.54E-01	5.32E-02	3.03E-02	1.19E+00	3.49E-01	3.27E-05	5.84E-04	8.85E-04	3.50E-01	4.23E-01	7.55E-01	5.32E-02	3.03E-02	1.26E+00
3670	473863.09	3851377.25	2.16993	1.0971	0.2792	0.40363	3.55E-01	8.51E-01	5.41E-02	2.97E-02	1.29E+00	3.50E-01	3.69E-05	5.94E-04	8.69E-04	3.51E-01	4.25E-01	8.51E-01	5.41E-02	2.97E-02	1.36E+00
3671	474363.09	3851377.25	2.2066	1.64584	0.2909	0.3865	3.61E-01	1.28E+00	5.64E-02	2.85E-02	1.72E+00	3.56E-01	5.53E-05	6.18E-04	8.32E-04	3.57E-01	4.32E-01	1.28E+00	5.64E-02	2.85E-02	1.79E+00
3672	474863.09	3851377.25	2.32134	2.0909	0.2979	0.4019	3.80E-01	1.62E+00	5.78E-02	2.96E-02	2.09E+00	3.74E-01	7.02E-05	6.33E-04	8.65E-04	3.76E-01	4.54E-01	1.62E+00	5.78E-02	2.96E-02	2.16E+00
3673	475363.09	3851377.25	2.67936	2.11795	0.2872	0.4375	4.38E-01	1.64E+00	5.57E-02	3.22E-02	2.17E+00	4.32E-01	7.11E-05	6.11E-04	9.42E-04	4.33E-01	5.24E-01	1.64E+00	5.57E-02	3.22E-02	2.26E+00
3674	475863.09	3851377.25	2.96827	2.27408	0.2792	0.43205	4.85E-01	1.76E+00	5.41E-02	3.18E-02	2.34E+00	4.78E-01	7.64E-05	5.94E-04	9.30E-04	4.80E-01	5.81E-01	1.76E+00	5.41E-02	3.18E-02	2.43E+00
3675	476363.09	3851377.25	3.67867	2.24862	0.2754	0.43532	6.02E-01	1.74E+00	5.34E-02	3.21E-02	2.43E+00	5.93E-01	7.55E-05	5.86E-04	9.37E-04	5.94E-01	7.20E-01	1.74E+00	5.34E-02	3.21E-02	2.55E+00
3676	476863.09	3851377.25	3.87269	2.37108	0.2447	0.40508	6.33E-01	1.84E+00	4.75E-02	2.98E-02	2.55E+00	6.24E-01	7.96E-05	5.20E-04	8.72E-04	6.25E-01	7.58E-01	1.84E+00	4.75E-02	2.98E-02	2.67E+00
3677	477363.09	3851377.25	4.39307	2.80095	0.2529	0.35939	7.19E-01	2.17E+00	4.90E-02	2.65E-02	2.97E+00	7.08E-01	9.41E-05	5.38E-04	7.74E-04	7.09E-01	8.60E-01	2.17E+00	4.90E-02	2.65E-02	3.11E+00
3678	477863.09	3851377.25	4.61495	2.5479	0.2577	0.33613	7.55E-01	1.98E+00	5.00E-02	2.47E-02	2.81E+00	7.44E-01	8.56E-05	5.48E-04	7.24E-04	7.45E-01	9.03E-01	1.98E+00	5.00E-02	2.47E-02	2.95E+00
3679	478363.09	3851377.25	4.67762	2.63833	0.2563	0.36641	7.65E-01	2.05E+00	4.97E-02	2.70E-02	2.89E+00	7.54E-01	8.86E-05	5.45E-04	7.89E-04	7.55E-01	9.15E-01	2.05E+00	4.97E-02	2.70E-02	3.04E+00
3680	478863.09	3851377.25	4.09861	3.98196	0.2532	0.3338	6.70E-01	3.09E+00	4.91E-02	2.46E-02	3.83E+00	6.60E-01	1.34E-04	5.38E-04	7.19E-04	6.62E-01	8.02E-01	3.09E+00	4.91E-02	2.46E-02	3.96E+00
3681	479363.09	3851377.25	4.592	4.03721	0.2612	0.29644	7.51E-01	3.13E+00	5.06E-02	2.18E-02	3.96E+00	7.40E-01	1.36E-04	5.55E-04	6.38E-04	7.41E-01	8.99E-01	3.13E+00	5.06E-02	2.18E-02	4.10E+00
3682	479863.09	3851377.25	4.52872	3.66318	0.2758	0.31506	7.41E-01	2.84E+00	5.35E-02	2.32E-02	3.66E+00	7.30E-01	1.23E-04	5.86E-04	6.78E-04	7.31E-01	8.86E-01	2.84E+00	5.35E-02	2.32E-02	3.80E+00
3683	480363.09	3851377.25	4.6959	3.52541	0.2772	0.38079	7.68E-01	2.73E+00	5.37E-02	2.80E-02	3.58E+00	7.57E-01	1.18E-04	5.89E-04	8.20E-04	7.58E-01	9.19E-01	2.73E+00	5.37E-02	2.80E-02	3.74E+00
3684	480863.09	3851377.25	7.64638	3.15887	0.2802	0.40095	1.25E+00	2.45E+00	5.43E-02	2.95E-02	3.78E+00	1.23E+00	1.06E-04	5.96E-04	8.63E-04	1.23E+00	1.50E+00	2.45E+00	5.43E-02	2.95E-02	4.03E+00
3685	481363.09	3851377.25	7.72907	2.39232	0.2901	0.41942	1.26E+00	1.86E+00	5.63E-02	3.09E-02	3.21E+00	1.25E+00	8.04E-05	6.17E-04	9.03E-04	1.25E+00	1.51E+00	1.86E+00	5.63E-02	3.09E-02	3.46E+00
3686	481863.09	3851377.25	6.05989	1.83022	0.3284	0.50093	9.91E-01	1.42E+00	6.37E-02	3.69E-02	2.51E+00	9.76E-01	6.15E-05	6.98E-04	1.08E-03	9.78E-01	1.19E+00	1.42E+00	6.37E-02	3.69E-02	2.71E+00
3687	482363.09	3851377.25	4.91668	1.27413	0.3658	0.55473	8.04E-01	9.88E-01	7.09E-02	4.08E-02	1.90E+00	7.92E-01	4.28E-05	7.78E-04	1.19E-03	7.94E-01	9.62E-01	9.88E-01	7.09E-02	4.08E-02	2.06E+00
3688	482863.09	3851377.25	4.75974	0.8415	0.393	0.60384	7.79E-01	6.53E-01	7.62E-02	4.45E-02	1.55E+00	7.67E-01	2.83E-05	8.36E-04	1.30E-03	7.69E-01	9.31E-01	6.53E-01	7.62E-02	4.45E-02	1.70E+00
3689	483363.09	3851377.25	3.14155	0.56497	0.4058	0.52454	5.14E-01	4.38E-01	7.87E-02	3.86E-02	1.07E+00	5.06E-01	1.90E-05	8.63E-04	1.13E-03	5.08E-01	6.15E-01	4.38E-01	7.87E-02	3.86E-02	1.17E+00
3690	483863.09	3851377.25	2.22919	0.46952	0.4048	0.49425	3.65E-01	3.64E-01	7.85E-02	3.64E-02	8.44E-01	3.59E-01	1.58E-05	8.61E-04	1.06E-03	3.61E-01	4.36E-01	3.64E-01	7.85E-02	3.64E-02	9.15E-01
3691	484363.09	3851377.25	2.94038	0.57752	0.4259	0.50444	4.81E-01	4.48E-01	8.26E-02	3.71E-02	1.05E+00	4.74E-01	1.94E-05	9.06E-04	1.09E-03	4.76E-01	5.75E-01	4.48E-01	8.26E-02	3.71E-02	1.14E+00
3692	484863.09	3851377.25	1.6004	0.391	0.4027	0.49199	2.62E-01	3.03E-01	7.81E-02	3.62E-02	6.79E-01	2.58E-01	1.31E-05	8.56E-04	1.06E-03	2.60E-01	3.13E-01	3.03E-01	7.81E-02	3.62E-02	7.31E-01
3693	485363.09	3851377.25	2.33726	0.48867	0.4123	0.52919	3.82E-01	3.79E-01	7.99E-02	3.90E-02	8.80E-01	3.77E-01	1.64E-05	8.77E-04	1.14E-03	3.79E-01	4.57E-01	3.79E-01	7.99E-02	3.90E-02	9.55E-01
3694	485863.09	3851377.25	1.53584	0.40322	0.4415	0.59279	2.51E-01	3.13E-01	8.56E-02	4.36E-02	6.93E-01	2.47E-01	1.35E-05	9.39E-04	1.28E-03	2.50E-01	3.01E-01	3.13E-01	8.56E-02	4.36E-02	7.43E-01
3695	486363.09	3851377.25	1.58734	0.38183	0.4898	0.65096	2.60E-01	2.96E-01	9.50E-02	4.79E-02	6.99E-01	2.56E-01	1.28E-05	1.04E-03	1.40E-03	2.58E-01	3.11E-01	2.96E-01	9.50E-02	4.79E-02	7.50E-01
3696	486863.09	3851377.25	1.26384	0.37021	0.4297	0.62884	2.07E-01	2.87E-01	8.33E-02	4.63E-02	6.23E-01	2.04E-01	1.24E-05	9.14E-04	1.35E-03	2.06E-01	2.47E-01	2.87E-01	8.33E-02	4.63E-02	6.64E-01
3697	487363.09	3851377.25	0.89693	0.29259	0.4282	0.58069	1.47E-01	2.27E-01	8.30E-02	4.28E-02	4.99E-01	1.45E-01	9.83E-06	9.10E-04	1.25E-03	1.47E-01	1.76E-01	2.27E-01	8.30E-02	4.28E-02	5.28E-01
3698	487863.09	3851377.25	0.94363	0.28956	0.4204	0.54643	1.54E-01	2.25E-01	8.15E-02	4.02E-02	5.01E-01	1.52E-01	9.73E-06	8.94E-04	1.18E-03	1.54E-01	1.85E-01	2.25E-01	8.15E-02	4.02E-02	5.31E-01
3699	488363.09	3851377.25	0.89681	0.31672	0.5009	0.55645	1.47E-01	2.46E-01	9.71E-02	4.10E-02	5.30E-01	1.45E-01	1.06E-05	1.07E-03	1.20E-03	1.47E-01	1.75E-01	2.46E-01	9.71E-02	4.10E-02	5.59E-01
3700	488863.09	3851377.25	0.80749	0.27544	0.4785	0.64903	1.32E-01	2.14E-01	9.28E-02	4.78E-02	4.86E-01	1.30E-01	9.25E-06	1.02E-03	1.40E-03	1.33E-01	1.58E-01	2.14E-01	9.28E-02	4.78E-02	5.12E-01
3701	489363.09	3851377.25	0.73165	0.27676	0.5556	0.66989	1.20E-01	2.15E-01	1.08E-01	4.93E-02	4.91E-01	1.18E-01	9.30E-06	1.18E-03	1.44E-03	1.21E-01	1.43E-01	2.15E-01	1.08E-01	4.93E-02	5.15E-01
3702	489863.09	3851377.25	0.6696	0.24774	0.5904	0.68197	1.10E-01	1.92E-01	1.14E-01	5.02E-02	4.66E-01	1.08E-01	8.32E-06	1.26E-03	1.47E-03	1.11E-01	1.31E-01	1.92E-01	1.14E-01	5.02E-02	4.88E-01
3703	490363.09	3851377.25	0.61776	0.24671	0.5395	0.65076	1.01E-01	1.91E-01	1.05E-01	4.79E-02	4.45E-01	9.95E-02	8.29E-06	1.15E-03	1.40E-03	1.02E-01	1.21E-01	1.91E-01	1.05E-01	4.79E-02	4.65E-01
3704	490863.09	3851377.25	0.56138	0.2446	0.5705	0.60541	9.18E-02	1.90E-01	1.11E-01	4.46E-02	4.37E-01	9.05E-02	8.22E-06	1.21E-03	1.30E-03	9.30E-02	1.10E-01	1.90E-01	1.11E-01	4.46E-02	4.55E-01
3705	491363.09	3851377.25	0.5047	0.20009	0.6347	0.64888	8.25E-02	1.55E-01	1.23E-01	4.78E-02	4.09E-01	8.13E-02	6.72E-06	1.35E-03	1.40E-03	8.41E-02	9.88E-02	1.55E-01	1.23E-01	4.78E-02	4.25E-01
3706	491863.09	3851377.25	0.45259	0.19516	0.6162	0.69101	7.40E-02	1.51E-01	1.19E-01	5.09E-02	3.96E-01	7.29E-02	6.56E-06	1.31E-03	1.49E-03	7.57E-02	8.86E-02	1.51E-01	1.19E-01	5.09E-02	4.10E-01
3707	492363.09	3851377.25	0.4265	0.19296	0.7018	0.65033	6.98E-02	1.50E-01	1.36E-01	4.79E-02	4.03E-01	6.87E-02	6.48E-06	1.49E-03	1.40E-03	7.16E-02	8.35E-02	1.50E-01	1.36E-01	4.79E-02	4.17E-01
3708	492863.09	3851377.25	0.39115	0.18647	0.536	0.59513	6.40E-02	1.45E-01	1.04E-01	4.38E-02	3.56E-01	6.30E-02	6.26E-06	1.14E-03	1.28E-03	6.55E-02	7.65E-02	1.45E-01	1.04E-01	4.38E-02	3.69E-01
3709	493363.09	3851377.25	0.34892	0.1772	0.7674	0.56938	5.71E-02	1.37E-01	1.49E-01	4.19E-02	3.85E-01	5.62E-02	5.95E-06	1.63E-03	1.23E-03	5.91E-02	6.83E-02	1.37E-01	1.49E-01	4.19E-02	3.96E-01
3710	493863.09	3851377.25	0.36609	0.17042	1.0536	0.5967	5.99E-02	1.32E-01	2.04E-01	4.39E-02	4.40E-01	5.90E-02	5.72E-06	2.24E-03	1.28E-03	6.25E-02	7.16E-02	1.32E-01	2.04E-01	4.39E-02	4.52E-01
3711	494363.09	3851377.25	0.43743	0.19235	1.387	0.61977	7.15E-02	1.49E-01	2.69E-01	4.56E-02	5.35E-01	7.05E-02	6.46E-06	2.95E-03	1.33E-03	7.48E-02	8.56E-02	1.49E-01	2.69E-01	4.56E-02	5.49E-01
3712	494863.09	3851377.25	0.43915	0.20684	1.4174	0.60204	7.18E-02	1.60E-01	2.75E-01	4.43E-02	5.51E-01	7.08E-02	6.95E-06	3.01E-03	1.30E-03	7.51E-02	8.59E-02	1.60E-01	2.75E-01	4.43E-02	5.66E-01
3713	495363.09	3851377.25	0.51563	0.21818	1.6334	0.66991	8.43E-02	1.69E-01	3.17E-01	4.93E-02	6.20E-01	8.31E-02	7.33E-06	3.47E-03	1.44E-03	8.80E-02	1.01E-01	1.69E-01	3.17E-01	4.93E-02	6.36E-01
3714	495863.09	3851377.25	0.53518	0.21161	1.6461	0.73309	8.75E-02	1.64E-01	3.19E-01	5.40E-02	6.25E-01	8.62E-02	7.11E-06	3.50E-03	1.58E-03	9.13E-02	1.05E-01	1.64E-01	3.19E-01	5.40E-02	6.42E-01
3715	496363.09	3851377.25	0.55057	0.22234	1.4017	0.81829	9.01E-02	1.72E-01	2.72E-01	6.02E-02	5.95E-01	8.87E-02	7.47E-06	2.98E-03	1.76E-03	9.35E-02	1.08E-01	1.72E-01	2.72E-01	6.02E-02	6.12E-01
3716	496863.09	3851377.25	0.53761	0.2163	1.463	0.82745	8.79E-02	1.68E-01	2.84E-01	6.09E-02	6.00E-01	8.66E-02	7.27E-06	3.11E-03	1.78E-03	9.15E-02	1.05E-01	1.68E-01	2.84E-01	6.09E-02	6.18E-01
3717	497363.09	3851377.25	0.52041	0.2068	1.5517	0.82984	8.51E-02	1.60E-01	3.01E-01	6.11E-02	6.08E-01	8.39E-02	6.95E-06	3.30E-03	1.79E-03	8.89E-02	1.02E-01	1.60E-01	3.01E-01	6.11E-02	6.24E-01

3718	497863.09	3851377.25	0.49984	0.21159	1.4437	0.78217	8.18E-02	1.64E-01	2.80E-01	5.76E-02	5.83E-01	8.05E-02	7.11E-06	3.07E-03	1.68E-03	8.53E-02	9.78E-02	1.64E-01	2.80E-01	5.76E-02	5.99E-01
3719	498363.09	3851377.25	0.45974	0.21332	1.5566	0.73948	7.52E-02	1.65E-01	3.02E-01	5.44E-02	5.97E-01	7.41E-02	7.17E-06	3.31E-03	1.59E-03	7.90E-02	9.00E-02	1.65E-01	3.02E-01	5.44E-02	6.12E-01
3720	471363.09	3851877.25	1.84994	0.68539	0.3056	0.3918	3.03E-01	5.32E-01	5.93E-02	2.88E-02	9.22E-01	2.98E-01	2.30E-05	6.50E-04	8.43E-04	3.00E-01	3.62E-01	5.32E-01	5.93E-02	2.88E-02	9.82E-01
3721	471863.09	3851877.25	1.90165	0.64873	0.2893	0.40218	3.11E-01	5.03E-01	5.61E-02	2.96E-02	9.00E-01	3.06E-01	2.18E-05	6.15E-04	8.66E-04	3.08E-01	3.72E-01	5.03E-01	5.61E-02	2.96E-02	9.61E-01
3722	472363.09	3851877.25	2.17922	0.7515	0.2934	0.39171	3.56E-01	5.83E-01	5.69E-02	2.88E-02	1.03E+00	3.51E-01	2.52E-05	6.24E-04	8.43E-04	3.53E-01	4.26E-01	5.83E-01	5.69E-02	2.88E-02	1.10E+00
3723	472863.09	3851877.25	2.44343	0.93621	0.2877	0.38285	4.00E-01	7.26E-01	5.58E-02	2.82E-02	1.21E+00	3.94E-01	3.14E-05	6.12E-04	8.24E-04	3.95E-01	4.78E-01	7.26E-01	5.58E-02	2.82E-02	1.29E+00
3724	473363.09	3851877.25	2.35644	0.88799	0.2947	0.40701	3.85E-01	6.89E-01	5.71E-02	3.00E-02	1.16E+00	3.80E-01	2.98E-05	6.27E-04	8.76E-04	3.81E-01	4.61E-01	6.89E-01	5.71E-02	3.00E-02	1.24E+00
3725	473863.09	3851877.25	2.43637	0.93049	0.2923	0.4442	3.98E-01	7.22E-01	5.67E-02	3.27E-02	1.21E+00	3.93E-01	3.13E-05	6.22E-04	9.56E-04	3.94E-01	4.77E-01	7.22E-01	5.67E-02	3.27E-02	1.29E+00
3726	474363.09	3851877.25	2.78525	1.2162	0.2948	0.44811	4.56E-01	9.43E-01	5.72E-02	3.30E-02	1.49E+00	4.49E-01	4.09E-05	6.27E-04	9.65E-04	4.50E-01	5.45E-01	9.43E-01	5.72E-02	3.30E-02	1.58E+00
3727	474863.09	3851877.25	2.93562	1.52977	0.3024	0.47769	4.80E-01	1.19E+00	5.86E-02	3.52E-02	1.76E+00	4.73E-01	5.14E-05	6.43E-04	1.03E-03	4.75E-01	5.74E-01	1.19E+00	5.86E-02	3.52E-02	1.85E+00
3728	475363.09	3851877.25	2.84264	2.01132	0.3143	0.43993	4.65E-01	1.56E+00	6.09E-02	3.24E-02	2.12E+00	4.58E-01	6.76E-05	6.68E-04	9.47E-04	4.60E-01	5.56E-01	1.56E+00	6.09E-02	3.24E-02	2.21E+00
3729	475863.09	3851877.25	2.89906	2.16425	0.3208	0.4465	4.74E-01	1.68E+00	6.22E-02	3.29E-02	2.25E+00	4.67E-01	7.27E-05	6.82E-04	9.61E-04	4.69E-01	5.67E-01	1.68E+00	6.22E-02	3.29E-02	2.34E+00
3730	476363.09	3851877.25	3.07937	1.97947	0.3083	0.47509	5.04E-01	1.54E+00	5.98E-02	3.50E-02	2.13E+00	4.96E-01	6.65E-05	6.56E-04	1.02E-03	4.98E-01	6.03E-01	1.54E+00	5.98E-02	3.50E-02	2.23E+00
3731	476863.09	3851877.25	3.50575	2.19548	0.2968	0.48271	5.73E-01	1.70E+00	5.76E-02	3.55E-02	2.37E+00	5.65E-01	7.37E-05	6.31E-04	1.04E-03	5.67E-01	6.86E-01	1.70E+00	5.76E-02	3.55E-02	2.48E+00
3732	477363.09	3851877.25	4.39501	2.4054	0.2958	0.45413	7.19E-01	1.87E+00	5.73E-02	3.34E-02	2.68E+00	7.08E-01	8.08E-05	6.29E-04	9.78E-04	7.10E-01	8.60E-01	1.87E+00	5.73E-02	3.34E-02	2.82E+00
3733	477863.09	3851877.25	4.58574	2.65408	0.2695	0.41416	7.50E-01	2.06E+00	5.23E-02	3.05E-02	2.89E+00	7.39E-01	8.92E-05	5.73E-04	8.92E-04	7.40E-01	8.97E-01	2.06E+00	5.23E-02	3.05E-02	3.04E+00
3734	478363.09	3851877.25	5.93813	2.36419	0.2695	0.37249	9.71E-01	1.83E+00	5.23E-02	2.74E-02	2.88E+00	9.57E-01	7.94E-05	5.73E-04	8.02E-04	9.58E-01	1.16E+00	1.83E+00	5.23E-02	2.74E-02	3.08E+00
3735	478863.09	3851877.25	5.18778	2.71987	0.2726	0.41103	8.49E-01	2.11E+00	5.29E-02	3.03E-02	3.04E+00	8.36E-01	9.14E-05	5.80E-04	8.85E-04	8.37E-01	1.02E+00	2.11E+00	5.29E-02	3.03E-02	3.21E+00
3736	479363.09	3851877.25	5.18527	4.25503	0.2689	0.36314	8.48E-01	3.30E+00	5.21E-02	2.67E-02	4.23E+00	8.36E-01	1.43E-04	5.72E-04	7.82E-04	8.37E-01	1.01E+00	3.30E+00	5.21E-02	2.67E-02	4.39E+00
3737	479863.09	3851877.25	5.3825	4.54394	0.277	0.33179	8.80E-01	3.52E+00	5.37E-02	2.44E-02	4.48E+00	8.67E-01	1.53E-04	5.89E-04	7.14E-04	8.69E-01	1.05E+00	3.52E+00	5.37E-02	2.44E-02	4.66E+00
3738	480363.09	3851877.25	5.53265	4.05938	0.2922	0.34751	9.05E-01	3.15E+00	5.66E-02	2.56E-02	4.14E+00	8.91E-01	1.36E-04	6.21E-04	7.48E-04	8.93E-01	1.08E+00	3.15E+00	5.66E-02	2.56E-02	4.31E+00
3739	480863.09	3851877.25	5.62077	3.81505	0.296	0.43307	9.19E-01	2.96E+00	5.74E-02	3.19E-02	3.97E+00	9.06E-01	1.28E-04	6.29E-04	9.32E-04	9.07E-01	1.10E+00	2.96E+00	5.74E-02	3.19E-02	4.15E+00
3740	481363.09	3851877.25	8.98148	3.39887	0.2987	0.44808	1.47E+00	2.64E+00	5.79E-02	3.30E-02	4.20E+00	1.45E+00	1.14E-04	6.35E-04	9.65E-04	1.45E+00	1.76E+00	2.64E+00	5.79E-02	3.30E-02	4.49E+00
3741	481863.09	3851877.25	9.31703	2.59054	0.3108	0.50119	1.52E+00	2.01E+00	6.03E-02	3.69E-02	3.63E+00	1.50E+00	8.70E-05	6.61E-04	1.08E-03	1.50E+00	1.82E+00	2.01E+00	6.03E-02	3.69E-02	3.93E+00
3742	482363.09	3851877.25	7.21381	1.37673	0.3508	0.58318	1.18E+00	1.07E+00	6.80E-02	4.29E-02	2.36E+00	1.16E+00	4.62E-05	7.46E-04	1.26E-03	1.16E+00	1.41E+00	1.07E+00	6.80E-02	4.29E-02	2.59E+00
3743	482863.09	3851877.25	5.08515	0.79227	0.3893	0.64764	8.32E-01	6.15E-01	7.55E-02	4.77E-02	1.57E+00	8.19E-01	2.66E-05	8.28E-04	1.39E-03	8.22E-01	9.95E-01	6.15E-01	7.55E-02	4.77E-02	1.73E+00
3744	483363.09	3851877.25	5.26958	0.87213	0.4201	0.58601	8.62E-01	6.77E-01	8.15E-02	4.31E-02	1.66E+00	8.49E-01	2.93E-05	8.93E-04	1.26E-03	8.51E-01	1.03E+00	6.77E-01	8.15E-02	4.31E-02	1.83E+00
3745	483863.09	3851877.25	4.16267	0.69308	0.4332	0.54141	6.81E-01	5.38E-01	8.40E-02	3.99E-02	1.34E+00	6.71E-01	2.33E-05	9.21E-04	1.17E-03	6.73E-01	8.15E-01	5.38E-01	8.40E-02	3.99E-02	1.48E+00
3746	484363.09	3851877.25	4.07362	0.73112	0.4466	0.56498	6.66E-01	5.67E-01	8.66E-02	4.16E-02	1.36E+00	6.56E-01	2.46E-05	9.50E-04	1.22E-03	6.59E-01	7.97E-01	5.67E-01	8.66E-02	4.16E-02	1.49E+00
3747	484863.09	3851877.25	3.26695	0.58116	0.4616	0.53252	5.34E-01	4.51E-01	8.95E-02	3.92E-02	1.11E+00	5.26E-01	1.95E-05	9.81E-04	1.15E-03	5.29E-01	6.39E-01	4.51E-01	8.95E-02	3.92E-02	1.22E+00
3748	485363.09	3851877.25	2.91162	0.56198	0.4346	0.56595	4.76E-01	4.36E-01	8.43E-02	4.17E-02	1.04E+00	4.69E-01	1.89E-05	9.24E-04	1.22E-03	4.71E-01	5.70E-01	4.36E-01	8.43E-02	4.17E-02	1.13E+00
3749	485863.09	3851877.25	2.61394	0.54285	0.4493	0.65999	4.28E-01	4.21E-01	8.71E-02	4.86E-02	9.84E-01	4.21E-01	1.82E-05	9.55E-04	1.42E-03	4.24E-01	5.11E-01	4.21E-01	8.71E-02	4.86E-02	1.07E+00
3750	486363.09	3851877.25	1.75583	0.40408	0.5294	0.72378	2.87E-01	3.13E-01	1.03E-01	5.33E-02	7.57E-01	2.83E-01	1.36E-05	1.13E-03	1.56E-03	2.86E-01	3.44E-01	3.13E-01	1.03E-01	5.33E-02	8.13E-01
3751	486863.09	3851877.25	1.46346	0.40059	0.5353	0.68169	2.39E-01	3.11E-01	1.04E-01	5.02E-02	7.04E-01	2.36E-01	1.35E-05	1.14E-03	1.47E-03	2.38E-01	2.86E-01	3.11E-01	1.04E-01	5.02E-02	7.51E-01
3752	487363.09	3851877.25	1.25118	0.36846	0.465	0.61055	2.05E-01	2.86E-01	9.02E-02	4.50E-02	6.26E-01	2.02E-01	1.24E-05	9.89E-04	1.31E-03	2.04E-01	2.45E-01	2.86E-01	9.02E-02	4.50E-02	6.66E-01
3753	487863.09	3851877.25	0.93336	0.29307	0.469	0.65348	1.53E-01	2.27E-01	9.09E-02	4.81E-02	5.19E-01	1.50E-01	9.84E-06	9.97E-04	1.41E-03	1.53E-01	1.83E-01	2.27E-01	9.09E-02	4.81E-02	5.49E-01
3754	488363.09	3851877.25	0.86806	0.31641	0.564	0.70342	1.42E-01	2.45E-01	1.09E-01	5.18E-02	5.49E-01	1.40E-01	1.06E-05	1.20E-03	1.51E-03	1.43E-01	1.70E-01	2.45E-01	1.09E-01	5.18E-02	5.76E-01
3755	488863.09	3851877.25	0.72535	0.26837	0.5446	0.6555	1.19E-01	2.08E-01	1.06E-01	4.83E-02	4.81E-01	1.17E-01	9.01E-06	1.16E-03	1.41E-03	1.19E-01	1.42E-01	2.08E-01	1.06E-01	4.83E-02	5.04E-01
3756	489363.09	3851877.25	0.64725	0.26273	0.6635	0.70862	1.06E-01	2.04E-01	1.29E-01	5.22E-02	4.90E-01	1.04E-01	8.83E-06	1.41E-03	1.53E-03	1.07E-01	1.27E-01	2.04E-01	1.29E-01	5.22E-02	5.11E-01
3757	489863.09	3851877.25	0.59369	0.23917	0.7026	0.65442	9.71E-02	1.86E-01	1.36E-01	4.82E-02	4.67E-01	9.57E-02	8.03E-06	1.49E-03	1.41E-03	9.86E-02	1.16E-01	1.86E-01	1.36E-01	4.82E-02	4.86E-01
3758	490363.09	3851877.25	0.56918	0.24737	0.6042	0.661	9.31E-02	1.92E-01	1.17E-01	4.87E-02	4.51E-01	9.17E-02	8.31E-06	1.28E-03	1.42E-03	9.44E-02	1.11E-01	1.92E-01	1.17E-01	4.87E-02	4.69E-01
3759	490863.09	3851877.25	0.55712	0.22837	0.5898	0.7291	9.11E-02	1.77E-01	1.14E-01	5.37E-02	4.36E-01	8.98E-02	7.67E-06	1.25E-03	1.57E-03	9.26E-02	1.09E-01	1.77E-01	1.14E-01	5.37E-02	4.54E-01
3760	491363.09	3851877.25	0.54832	0.21641	0.6552	0.70804	8.97E-02	1.68E-01	1.27E-01	5.21E-02	4.37E-01	8.84E-02	7.27E-06	1.39E-03	1.52E-03	9.13E-02	1.07E-01	1.68E-01	1.27E-01	5.21E-02	4.54E-01
3761	491863.09	3851877.25	0.54033	0.22352	0.6866	0.68237	8.84E-02	1.73E-01	1.33E-01	5.02E-02	4.45E-01	8.71E-02	7.51E-06	1.46E-03	1.47E-03	9.00E-02	1.06E-01	1.73E-01	1.33E-01	5.02E-02	4.62E-01
3762	492363.09	3851877.25	0.49628	0.2135	0.6135	0.66158	8.12E-02	1.66E-01	1.19E-01	4.87E-02	4.14E-01	8.00E-02	7.17E-06	1.30E-03	1.42E-03	8.27E-02	9.71E-02	1.66E-01	1.19E-01	4.87E-02	4.30E-01
3763	492863.09	3851877.25	0.40472	0.18931	0.7619	0.5987	6.62E-02	1.47E-01	1.48E-01	4.41E-02	4.05E-01	6.52E-02	6.36E-06	1.62E-03	1.29E-03	6.81E-02	7.92E-02	1.47E-01	1.48E-01	4.41E-02	4.18E-01
3764	493363.09	3851877.25	0.49926	0.21855	1.1463	0.64852	8.17E-02	1.70E-01	2.22E-01	4.77E-02	5.21E-01	8.04E-02	7.34E-06	2.44E-03	1.40E-03	8.43E-02	9.77E-02	1.70E-01	2.22E-01	4.77E-02	5.37E-01
3765	493863.09	3851877.25	0.59372	0.22495	1.5088	0.67594	9.71E-02	1.74E-01	2.93E-01	4.98E-02	6.14E-01	9.57E-02	7.56E-06	3.21E-03	1.46E-03	1.00E-01	1.16E-01	1.75E-01	2.93E-01	4.98E-02	6.33E-01
3766	494363.09	3851877.25	0.54098	0.24245	1.5774	0.72276	8.85E-02	1.88E-01	3.06E-01	5.32E-02	6.36E-01	8.72E-02	8.14E-06	3.35E-03	1.56E-03	9.21E-02	1.06E-01	1.88E-01	3.06E-01	5.32E-02	6.53E-01
3767	494863.09	3851877.25	0.60809	0.25155	1.7593	0.8011	9.95E-02	1.95E-01	3.41E-01	5.90E-02	6.95E-01	9.80E-02	8.45E-06	3.74E-03	1.72E-03	1.03E-01	1.19E-01	1.95E-01	3.41E-01	5.90E-02	7.14E-01
3768	495363.09	3851877.25	0.66737	0.24966	1.8746	0.85925	1.09E-01	1.94E-01	3.63E-01	6.33E-02	7.30E-01	1.08E-01	8.39E-06	3.99E-03	1.85E-03	1.13E-01	1.31E-01	1.94E-01	3.63E-01	6.33E-02	7.51E-01
3769	495863.09	3851877.25	0.68579	0.25329	1.5756	0.92897	1.12E-01	1.96E-01	3.06E-01	6.84E-02	6.83E-01	1.11E-01	8.51E-06	3.35E-03	2.00E-03	1.16E-01	1.34E-01	1.96E-01	3.06E-01	6.84E-02	7.05E-01
3770	496363.09	3851877.25	0.65431	0.24127	1.5665	0.89448	1.07E-01	1.87E-01	3.04E-01	6.59E-02	6.64E-01	1.05E-01	8.10E-06	3.33E-03	1.93E-03	1.11E-01	1.28E-01	1.87E-01	3.04E-01	6.59E-02	6.85E-01
3771	496863.09	3851877.25	0.61497	0.23118	1.5982	0.89369	1.01E-01	1.79E-01	3.10E-01	6.58E-02	6.56E-01	9.91E-02	7.77E-06	3.40E-03	1.92E-03	1.04E-01	1.20E-01	1.79E-01	3.10E-01	6.58E-02	6.75E-01
3772	497363.09	3851877.25	0.57672	0.22987	1.6282	0.86861	9.43E-02	1.78E-01	3.16E-01	6.40E-02	6.52E-01	9.29E-02	7.72E-06	3.46E-03	1.87E-03	9.83E-02	1.13E-01	1.78E-01	3.16E-01	6.40E-02	6.71E-01
3773	497863.09	3851877.25	0.51472	0.22624	1.7	0.76564	8.42E-02	1.75E-01	3.30E-01	5.64E-02	6.46E-01	8.29E-02	7.60E-06	3.61E-03	1.65E-03	8.82E-02	1.01E-01	1.76E-01	3.30E-01	5.64E-02	6.62E-01
3774	498363.09	3851877.25	0.46215	0.22151	1.8354	0.77001	7.56E-02	1.72E-01	3.56E-01	5.67E-02	6.60E-01	7.45E-02	7.44E-06	3.90E-03	1.66E-03	8.00E-02	9.04E-02	1.72E-01	3.56E-01	5.67E-02	6.75E-01
3775	471363.09	3852377.25	1.70246	0.55401	0.3522	0.41817	2.78E-01	4.30E-01	6.83E-02	3.08E-02	8.07E-01	2.74E-01	1.86E-05	7.49E-04	9.00E-04	2.76E-01	3.33E-01	4.30E-01	6.83E-02	3.08E-02	8.62E-01
3776	471863.09	3852377.25	1.92127	0.65906	0.3448	0.42248	3.14E-01	5.11E-01	6.69E-02	3.11E-02	9.23E-01	3.10E-01	2.21E-05	7.33E-04	9.09E-04	3.11E-01	3.76E-01	5.11E-01	6.69E-02	3.11E-02	9.85E-01
3777	472363.09	3852377.25	2.07026	0.73737	0.3739	0.44282	3.39E-01	5.72E-01	7.25E-02	3.26E-02	1.02E+00	3.34E-01	2.48E-05	7.95E-04	9.53E-04	3.35E-01	4.05E-01	5.72E-01	7.25E-02	3.26E-02	1.08E+00
3778	472863.09	3852377.25	2.2747	0.75737	0.3446	0.42535	3.72E-01	5.87E-01	6.68E-02	3.13E-02	1.06E+00	3.67E-01	2.54E-05	7.33E-04	9.16E-04	3.68E-01	4.45E-01	5.88E-01	6.68E-02	3.13E-02	1.13E+00

3779	473363.09	3852377.25	2.35164	0.77374	0.3252	0.43392	3.85E-01	6.00E-01	6.31E-02	3.19E-02	1.08E+00	3.79E-01	2.60E-05	6.91E-04	9.34E-04	3.81E-01	4.60E-01	6.00E-01	6.31E-02	3.19E-02	1.16E+00
3780	473863.09	3852377.25	2.49135	0.88387	0.3253	0.42405	4.07E-01	6.86E-01	6.31E-02	3.12E-02	1.19E+00	4.01E-01	2.97E-05	6.92E-04	9.13E-04	4.03E-01	4.88E-01	6.86E-01	6.31E-02	3.12E-02	1.27E+00
3781	474363.09	3852377.25	2.63811	0.96431	0.3164	0.44802	4.31E-01	7.48E-01	6.14E-02	3.30E-02	1.27E+00	4.25E-01	3.24E-05	6.73E-04	9.64E-04	4.27E-01	5.16E-01	7.48E-01	6.14E-02	3.30E-02	1.36E+00
3782	474863.09	3852377.25	3.11876	1.42684	0.331	0.47328	5.10E-01	1.11E+00	6.42E-02	3.48E-02	1.72E+00	5.03E-01	4.79E-05	7.04E-04	1.02E-03	5.04E-01	6.10E-01	1.11E+00	6.42E-02	3.48E-02	1.82E+00
3783	475363.09	3852377.25	3.34834	1.46785	0.3241	0.48471	5.48E-01	1.14E+00	6.28E-02	3.57E-02	1.78E+00	5.40E-01	4.93E-05	6.89E-04	1.04E-03	5.41E-01	6.55E-01	1.14E+00	6.28E-02	3.57E-02	1.89E+00
3784	475863.09	3852377.25	3.45354	1.59663	0.3283	0.56366	5.65E-01	1.24E+00	6.37E-02	4.15E-02	1.91E+00	5.56E-01	5.36E-05	6.98E-04	1.21E-03	5.58E-01	6.76E-01	1.24E+00	6.37E-02	4.15E-02	2.02E+00
3785	476363.09	3852377.25	3.33542	1.68236	0.3385	0.50646	5.46E-01	1.31E+00	6.56E-02	3.73E-02	1.95E+00	5.37E-01	5.65E-05	7.20E-04	1.09E-03	5.39E-01	6.53E-01	1.31E+00	6.56E-02	3.73E-02	2.06E+00
3786	476863.09	3852377.25	3.39209	1.80236	0.349	0.51474	5.55E-01	1.40E+00	6.77E-02	3.79E-02	2.06E+00	5.47E-01	6.05E-05	7.42E-04	1.11E-03	5.48E-01	6.64E-01	1.40E+00	6.77E-02	3.79E-02	2.17E+00
3787	477363.09	3852377.25	3.47328	1.90805	0.3353	0.51319	5.68E-01	1.48E+00	6.50E-02	3.78E-02	2.15E+00	5.60E-01	6.41E-05	7.13E-04	1.10E-03	5.62E-01	6.80E-01	1.48E+00	6.50E-02	3.78E-02	2.26E+00
3788	477863.09	3852377.25	3.56927	1.5909	0.3166	0.53057	5.84E-01	1.23E+00	6.14E-02	3.91E-02	1.92E+00	5.75E-01	5.34E-05	6.73E-04	1.14E-03	5.77E-01	6.98E-01	1.23E+00	6.14E-02	3.91E-02	2.03E+00
3789	478363.09	3852377.25	3.82332	1.52603	0.287	0.463	6.25E-01	1.18E+00	5.56E-02	3.41E-02	1.90E+00	6.16E-01	5.13E-05	6.10E-04	9.97E-04	6.18E-01	7.48E-01	1.18E+00	5.56E-02	3.41E-02	2.02E+00
3790	478863.09	3852377.25	4.7835	1.93823	0.2951	0.41632	7.82E-01	1.50E+00	5.72E-02	3.07E-02	2.37E+00	7.71E-01	6.51E-05	6.27E-04	8.96E-04	7.72E-01	9.36E-01	1.50E+00	5.72E-02	3.07E-02	2.53E+00
3791	479363.09	3852377.25	6.76787	2.05207	0.2962	0.43514	1.11E+00	1.59E+00	5.74E-02	3.20E-02	2.79E+00	1.09E+00	6.89E-05	6.30E-04	9.37E-04	1.09E+00	1.32E+00	1.59E+00	5.74E-02	3.20E-02	3.01E+00
3792	479863.09	3852377.25	6.43939	3.96879	0.2966	0.40507	1.05E+00	3.08E+00	5.75E-02	2.98E-02	4.22E+00	1.04E+00	1.33E-04	6.31E-04	8.72E-04	1.04E+00	1.26E+00	3.08E+00	5.75E-02	2.98E-02	4.43E+00
3793	480363.09	3852377.25	5.9597	5.1254	0.2945	0.38382	9.75E-01	3.98E+00	5.71E-02	2.83E-02	5.04E+00	9.60E-01	1.72E-04	6.26E-04	8.26E-04	9.62E-01	1.17E+00	3.98E+00	5.71E-02	2.83E-02	5.23E+00
3794	480863.09	3852377.25	6.7144	4.73227	0.3082	0.41035	1.10E+00	3.67E+00	5.98E-02	3.02E-02	4.86E+00	1.08E+00	1.59E-04	6.55E-04	8.83E-04	1.08E+00	1.31E+00	3.67E+00	5.98E-02	3.02E-02	5.07E+00
3795	481363.09	3852377.25	6.63668	4.31966	0.3178	0.50518	1.09E+00	3.35E+00	6.16E-02	3.72E-02	4.54E+00	1.07E+00	1.45E-04	6.76E-04	1.09E-03	1.07E+00	1.30E+00	3.35E+00	6.16E-02	3.72E-02	4.75E+00
3796	481863.09	3852377.25	10.7075	3.47366	0.322	0.51576	1.75E+00	2.69E+00	6.24E-02	3.80E-02	4.55E+00	1.73E+00	1.17E-04	6.85E-04	1.11E-03	1.73E+00	2.10E+00	2.69E+00	6.24E-02	3.80E-02	4.89E+00
3797	482363.09	3852377.25	11.2081	2.88402	0.3372	0.6363	1.83E+00	2.24E+00	6.54E-02	4.68E-02	4.18E+00	1.81E+00	9.69E-05	7.17E-04	1.37E-03	1.81E+00	2.19E+00	2.24E+00	6.54E-02	4.68E-02	4.54E+00
3798	482863.09	3852377.25	9.79372	1.99175	0.3868	0.71224	1.60E+00	1.55E+00	7.50E-02	5.24E-02	3.27E+00	1.58E+00	6.69E-05	8.22E-04	1.53E-03	1.58E+00	1.92E+00	1.55E+00	7.50E-02	5.24E-02	3.59E+00
3799	483363.09	3852377.25	7.43369	1.12109	0.4205	0.69812	1.22E+00	8.70E-01	8.15E-02	5.14E-02	2.22E+00	1.20E+00	3.77E-05	8.94E-04	1.50E-03	1.20E+00	1.45E+00	8.70E-01	8.15E-02	5.14E-02	2.46E+00
3800	483863.09	3852377.25	5.57946	0.83264	0.4541	0.57041	9.13E-01	6.46E-01	8.81E-02	4.20E-02	1.69E+00	8.99E-01	2.80E-05	9.66E-04	1.23E-03	9.01E-01	1.09E+00	6.46E-01	8.81E-02	4.20E-02	1.87E+00
3801	484363.09	3852377.25	5.22064	0.8678	0.476	0.65362	8.54E-01	6.73E-01	9.23E-02	4.81E-02	1.67E+00	8.41E-01	2.92E-05	1.01E-03	1.41E-03	8.44E-01	1.02E+00	6.73E-01	9.23E-02	4.81E-02	1.84E+00
3802	484863.09	3852377.25	5.07406	0.85898	0.5076	0.6424	8.30E-01	6.66E-01	9.84E-02	4.73E-02	1.64E+00	8.18E-01	2.89E-05	1.08E-03	1.38E-03	8.20E-01	9.93E-01	6.66E-01	9.84E-02	4.73E-02	1.80E+00
3803	485363.09	3852377.25	4.81872	0.77448	0.4858	0.69111	7.88E-01	6.01E-01	9.42E-02	5.09E-02	1.53E+00	7.76E-01	2.60E-05	1.03E-03	1.49E-03	7.79E-01	9.43E-01	6.01E-01	9.42E-02	5.09E-02	1.69E+00
3804	485863.09	3852377.25	3.43236	0.63202	0.4952	0.77644	5.61E-01	4.90E-01	9.60E-02	5.72E-02	1.20E+00	5.53E-01	2.12E-05	1.05E-03	1.67E-03	5.56E-01	6.72E-01	4.90E-01	9.60E-02	5.72E-02	1.32E+00
3805	486363.09	3852377.25	1.97488	0.4617	0.5752	0.75672	3.23E-01	3.58E-01	1.12E-01	5.57E-02	8.48E-01	3.18E-01	1.55E-05	1.22E-03	1.63E-03	3.21E-01	3.86E-01	3.58E-01	1.12E-01	5.57E-02	9.12E-01
3806	486863.09	3852377.25	1.52638	0.41356	0.616	0.73708	2.50E-01	3.21E-01	1.19E-01	5.43E-02	7.44E-01	2.46E-01	1.39E-05	1.31E-03	1.59E-03	2.49E-01	2.99E-01	3.21E-01	1.19E-01	5.43E-02	7.93E-01
3807	487363.09	3852377.25	1.14189	0.3541	0.5191	0.78504	1.87E-01	2.75E-01	1.01E-01	5.78E-02	6.20E-01	1.84E-01	1.19E-05	1.10E-03	1.69E-03	1.87E-01	2.23E-01	2.75E-01	1.01E-01	5.78E-02	6.57E-01
3808	487863.09	3852377.25	0.94466	0.30643	0.5153	0.78608	1.55E-01	2.38E-01	9.99E-02	5.79E-02	5.50E-01	1.52E-01	1.03E-05	1.10E-03	1.69E-03	1.55E-01	1.85E-01	2.38E-01	9.99E-02	5.79E-02	5.80E-01
3809	488363.09	3852377.25	0.7815	0.31773	0.6366	0.739	1.28E-01	2.46E-01	1.23E-01	5.44E-02	5.52E-01	1.26E-01	1.07E-05	1.35E-03	1.59E-03	1.29E-01	1.53E-01	2.46E-01	1.23E-01	5.44E-02	5.77E-01
3810	488863.09	3852377.25	0.65453	0.25841	0.6374	0.72665	1.07E-01	2.00E-01	1.24E-01	5.35E-02	4.85E-01	1.05E-01	8.68E-06	1.36E-03	1.56E-03	1.08E-01	1.28E-01	2.00E-01	1.24E-01	5.35E-02	5.06E-01
3811	489363.09	3852377.25	0.58369	0.23944	0.6942	0.69421	9.55E-02	1.86E-01	1.35E-01	5.11E-02	4.67E-01	9.41E-02	8.04E-06	1.48E-03	1.49E-03	9.70E-02	1.14E-01	1.86E-01	1.35E-01	5.11E-02	4.86E-01
3812	489863.09	3852377.25	0.52084	0.21681	0.6656	0.71858	8.52E-02	1.68E-01	1.29E-01	5.29E-02	4.35E-01	8.39E-02	7.28E-06	1.42E-03	1.55E-03	8.69E-02	1.02E-01	1.68E-01	1.29E-01	5.29E-02	4.52E-01
3813	490363.09	3852377.25	0.54826	0.23321	0.6653	0.72461	8.97E-02	1.81E-01	1.29E-01	5.33E-02	4.53E-01	8.83E-02	7.83E-06	1.41E-03	1.56E-03	9.13E-02	1.07E-01	1.81E-01	1.29E-01	5.33E-02	4.71E-01
3814	490863.09	3852377.25	0.56661	0.2278	0.7452	0.71257	9.27E-02	1.77E-01	1.44E-01	5.25E-02	4.66E-01	9.13E-02	7.65E-06	1.58E-03	1.53E-03	9.44E-02	1.11E-01	1.77E-01	1.44E-01	5.25E-02	4.85E-01
3815	491363.09	3852377.25	0.64951	0.24422	0.7392	0.7541	1.06E-01	1.89E-01	1.43E-01	5.55E-02	4.95E-01	1.05E-01	8.20E-06	1.57E-03	1.62E-03	1.08E-01	1.27E-01	1.89E-01	1.43E-01	5.55E-02	5.15E-01
3816	491863.09	3852377.25	0.64806	0.25715	0.8109	0.74053	1.06E-01	1.99E-01	1.57E-01	5.45E-02	5.17E-01	1.04E-01	8.64E-06	1.72E-03	1.59E-03	1.08E-01	1.27E-01	1.99E-01	1.57E-01	5.45E-02	5.38E-01
3817	492363.09	3852377.25	0.65169	0.23139	0.8074	0.73504	1.07E-01	1.79E-01	1.57E-01	5.41E-02	4.97E-01	1.05E-01	7.77E-06	1.72E-03	1.58E-03	1.08E-01	1.28E-01	1.79E-01	1.57E-01	5.41E-02	5.18E-01
3818	492863.09	3852377.25	0.68423	0.25795	1.232	0.79156	1.12E-01	2.00E-01	2.39E-01	5.83E-02	6.09E-01	1.10E-01	8.66E-06	2.62E-03	1.70E-03	1.15E-01	1.34E-01	2.00E-01	2.39E-01	5.83E-02	6.31E-01
3819	493363.09	3852377.25	0.80333	0.28229	1.7472	0.88121	1.31E-01	2.19E-01	3.39E-01	6.49E-02	7.54E-01	1.29E-01	9.48E-06	3.71E-03	1.90E-03	1.35E-01	1.57E-01	2.19E-01	3.39E-01	6.49E-02	7.80E-01
3820	493863.09	3852377.25	0.79354	0.28354	1.7958	0.97506	1.30E-01	2.20E-01	3.48E-01	7.18E-02	7.70E-01	1.28E-01	9.52E-06	3.82E-03	2.10E-03	1.34E-01	1.55E-01	2.20E-01	3.48E-01	7.18E-02	7.95E-01
3821	494363.09	3852377.25	0.7577	0.29187	1.9019	0.9799	1.24E-01	2.26E-01	3.69E-01	7.21E-02	7.91E-01	1.22E-01	9.80E-06	4.04E-03	2.11E-03	1.28E-01	1.48E-01	2.26E-01	3.69E-01	7.21E-02	8.16E-01
3822	494863.09	3852377.25	0.8068	0.2867	2.1468	0.9599	1.32E-01	2.22E-01	4.16E-01	7.07E-02	8.41E-01	1.30E-01	9.63E-06	4.56E-03	2.07E-03	1.37E-01	1.58E-01	2.22E-01	4.16E-01	7.07E-02	8.67E-01
3823	495363.09	3852377.25	0.87169	0.28483	1.7829	0.99666	1.43E-01	2.21E-01	3.46E-01	7.34E-02	7.83E-01	1.40E-01	9.57E-06	3.79E-03	2.15E-03	1.46E-01	1.71E-01	2.21E-01	3.46E-01	7.34E-02	8.11E-01
3824	495863.09	3852377.25	0.79661	0.27049	1.7875	0.95657	1.30E-01	2.10E-01	3.47E-01	7.04E-02	7.57E-01	1.28E-01	9.09E-06	3.80E-03	2.06E-03	1.34E-01	1.56E-01	2.10E-01	3.47E-01	7.04E-02	7.83E-01
3825	496363.09	3852377.25	0.71904	0.24853	1.6651	0.94089	1.18E-01	1.93E-01	3.23E-01	6.93E-02	7.03E-01	1.16E-01	8.35E-06	3.54E-03	2.03E-03	1.21E-01	1.41E-01	1.93E-01	3.23E-01	6.93E-02	7.26E-01
3826	496863.09	3852377.25	0.67228	0.24654	1.8355	0.91498	1.10E-01	1.91E-01	3.56E-01	6.74E-02	7.24E-01	1.08E-01	8.28E-06	3.90E-03	1.97E-03	1.14E-01	1.32E-01	1.91E-01	3.56E-01	6.74E-02	7.46E-01
3827	497363.09	3852377.25	0.57136	0.23487	1.9245	0.84699	9.35E-02	1.82E-01	3.73E-01	6.24E-02	7.11E-01	9.21E-02	7.89E-06	4.09E-03	1.82E-03	9.80E-02	1.12E-01	1.82E-01	3.73E-01	6.24E-02	7.30E-01
3828	497863.09	3852377.25	0.49166	0.23183	1.9169	0.8145	8.04E-02	1.80E-01	3.72E-01	6.00E-02	6.92E-01	7.92E-02	7.79E-06	4.08E-03	1.75E-03	8.51E-02	9.62E-02	1.80E-01	3.72E-01	6.00E-02	7.08E-01
3829	498363.09	3852377.25	0.47738	0.22752	2.0222	0.77597	7.81E-02	1.76E-01	3.92E-01	5.71E-02	7.04E-01	7.69E-02	7.64E-06	4.30E-03	1.67E-03	8.29E-02	9.34E-02	1.76E-01	3.92E-01	5.71E-02	7.19E-01
3830	471363.09	3852877.25	1.90301	0.54575	0.3903	0.47899	3.11E-01	4.23E-01	7.57E-02	3.53E-02	8.46E-01	3.07E-01	1.83E-05	8.30E-04	1.03E-03	3.09E-01	3.72E-01	4.23E-01	7.57E-02	3.53E-02	9.07E-01
3831	471863.09	3852877.25	2.10361	0.6183	0.4277	0.46494	3.44E-01	4.80E-01	8.29E-02	3.42E-02	9.41E-01	3.39E-01	2.08E-05	9.09E-04	1.00E-03	3.41E-01	4.12E-01	4.80E-01	8.29E-02	3.42E-02	1.01E+00
3832	472363.09	3852877.25	2.23431	0.68851	0.425	0.45297	3.65E-01	5.34E-01	8.24E-02	3.33E-02	1.02E+00	3.60E-01	2.31E-05	9.04E-04	9.75E-04	3.62E-01	4.37E-01	5.34E-01	8.24E-02	3.33E-02	1.09E+00
3833	472863.09	3852877.25	2.38321	0.75837	0.4141	0.46128	3.90E-01	5.88E-01	8.03E-02	3.40E-02	1.09E+00	3.84E-01	2.55E-05	8.81E-04	9.93E-04	3.86E-01	4.66E-01	5.88E-01	8.03E-02	3.40E-02	1.17E+00
3834	473363.09	3852877.25	2.56506	0.8337	0.3971	0.48455	4.20E-01	6.47E-01	7.70E-02	3.57E-02	1.18E+00	4.13E-01	2.80E-05	8.44E-04	1.04E-03	4.15E-01	5.02E-01	6.47E-01	7.70E-02	3.57E-02	1.26E+00
3835	473863.09	3852877.25	2.79834	0.91613	0.4231	0.49878	4.58E-01	7.11E-01	8.20E-02	3.67E-02	1.29E+00	4.51E-01	3.08E-05	9.00E-04	1.07E-03	4.53E-01	5.48E-01	7.11E-01	8.20E-02	3.67E-02	1.38E+00
3836	474363.09	3852877.25	3.13025	1.00726	0.3936	0.46956	5.12E-01	7.81E-01	7.63E-02	3.46E-02	1.40E+00	5.04E-01	3.38E-05	8.37E-04	1.01E-03	5.06E-01	6.13E-01	7.81E-01	7.63E-02	3.46E-02	1.50E+00
3837	474863.09	3852877.25	2.85484	0.95298	0.3693	0.46889	4.67E-01	7.39E-01	7.16E-02	3.45E-02	1.31E+00	4.60E-01	3.20E-05	7.85E-04	1.01E-03	4.62E-01	5.59E-01	7.39E-01	7.16E-02	3.45E-02	1.40E+00
3838	475363.09	3852877.25	3.10015	1.16013	0.36	0.48636	5.07E-01	9.00E-01	6.98E-02	3.58E-02	1.51E+00	5.00E-01	3.90E-05	7.65E-04	1.05E-03	5.01E-01	6.07E-01	9.00E-01	6.98E-02	3.58E-02	1.61E+00
3839	475863.09	3852877.25	3.40696	1.24103	0.3695	0.50759	5.57E-01	9.63E-01	7.16E-02	3.74E-02	1.63E+00	5.49E-01	4.17E-05	7.86E-04	1.09E-03	5.51E-01	6.67E-01	9.63E-01	7.16E-02	3.74E-02	1.74E+00

3840	476363.09	3852877.25	3.19348	1.19559	0.3582	0.55364	5.22E-01	9.27E-01	6.95E-02	4.08E-02	1.56E+00	5.15E-01	4.02E-05	7.62E-04	1.19E-03	5.17E-01	6.25E-01	9.27E-01	6.95E-02	4.08E-02	1.66E+00
3841	476863.09	3852877.25	2.94173	1.09146	0.3591	0.55031	4.81E-01	8.47E-01	6.96E-02	4.05E-02	1.44E+00	4.74E-01	3.67E-05	7.64E-04	1.18E-03	4.76E-01	5.76E-01	8.47E-01	6.96E-02	4.05E-02	1.53E+00
3842	477363.09	3852877.25	2.57675	0.90685	0.3596	0.54566	4.21E-01	7.03E-01	6.97E-02	4.02E-02	1.23E+00	4.15E-01	3.05E-05	7.65E-04	1.17E-03	4.17E-01	5.04E-01	7.03E-01	6.97E-02	4.02E-02	1.32E+00
3843	477863.09	3852877.25	2.17967	0.88854	0.3823	0.55153	3.57E-01	6.89E-01	7.41E-02	4.06E-02	1.16E+00	3.51E-01	2.98E-05	8.13E-04	1.19E-03	3.53E-01	4.27E-01	6.89E-01	7.41E-02	4.06E-02	1.23E+00
3844	478363.09	3852877.25	1.50994	0.81002	0.3628	0.55734	2.47E-01	6.28E-01	7.04E-02	4.10E-02	9.87E-01	2.43E-01	2.72E-05	7.71E-04	1.20E-03	2.45E-01	2.95E-01	6.28E-01	7.04E-02	4.10E-02	1.04E+00
3845	478863.09	3852877.25	2.09925	1.01962	0.3093	0.49928	3.43E-01	7.91E-01	6.00E-02	3.68E-02	1.23E+00	3.38E-01	3.43E-05	6.58E-04	1.07E-03	3.40E-01	4.11E-01	7.91E-01	6.00E-02	3.68E-02	1.30E+00
3846	479363.09	3852877.25	3.70511	1.36578	0.3222	0.48028	6.06E-01	1.06E+00	6.25E-02	3.54E-02	1.76E+00	5.97E-01	4.59E-05	6.85E-04	1.03E-03	5.99E-01	7.25E-01	1.06E+00	6.25E-02	3.54E-02	1.88E+00
3847	479863.09	3852877.25	6.64893	2.13712	0.3166	0.46178	1.09E+00	1.66E+00	6.14E-02	3.40E-02	2.84E+00	1.07E+00	7.18E-05	6.73E-04	9.94E-04	1.07E+00	1.30E+00	1.66E+00	6.14E-02	3.40E-02	3.05E+00
3848	480363.09	3852877.25	8.0391	4.747	0.3204	0.46264	1.31E+00	3.68E+00	6.21E-02	3.41E-02	5.09E+00	1.30E+00	1.59E-04	6.81E-04	9.96E-04	1.30E+00	1.57E+00	3.68E+00	6.21E-02	3.41E-02	5.35E+00
3849	480863.09	3852877.25	7.96445	5.29295	0.3178	0.45168	1.30E+00	4.11E+00	6.16E-02	3.33E-02	5.50E+00	1.28E+00	1.78E-04	6.76E-04	9.72E-04	1.29E+00	1.56E+00	4.11E+00	6.16E-02	3.33E-02	5.76E+00
3850	481363.09	3852877.25	8.37482	5.26927	0.3281	0.50743	1.37E+00	4.09E+00	6.36E-02	3.74E-02	5.56E+00	1.35E+00	1.77E-04	6.98E-04	1.09E-03	1.35E+00	1.64E+00	4.09E+00	6.36E-02	3.74E-02	5.83E+00
3851	481863.09	3852877.25	7.94852	4.73677	0.3527	0.57815	1.30E+00	3.67E+00	6.84E-02	4.26E-02	5.09E+00	1.28E+00	1.59E-04	7.50E-04	1.24E-03	1.28E+00	1.56E+00	3.67E+00	6.84E-02	4.26E-02	5.34E+00
3852	482363.09	3852877.25	12.8464	4.02263	0.3521	0.64446	2.10E+00	3.12E+00	6.83E-02	4.74E-02	5.34E+00	2.07E+00	1.35E-04	7.49E-04	1.39E-03	2.07E+00	2.51E+00	3.12E+00	6.83E-02	4.74E-02	5.75E+00
3853	482863.09	3852877.25	13.9377	3.04235	0.3759	0.76946	2.28E+00	2.36E+00	7.29E-02	5.67E-02	4.77E+00	2.25E+00	1.02E-04	7.99E-04	1.66E-03	2.25E+00	2.73E+00	2.36E+00	7.29E-02	5.67E-02	5.22E+00
3854	483363.09	3852877.25	10.9354	1.91754	0.4234	0.75111	1.79E+00	1.49E+00	8.21E-02	5.53E-02	3.41E+00	1.76E+00	6.44E-05	9.00E-04	1.62E-03	1.76E+00	2.14E+00	1.49E+00	8.21E-02	5.53E-02	3.76E+00
3855	483863.09	3852877.25	8.10331	1.12168	0.4568	0.71512	1.33E+00	8.70E-01	8.86E-02	5.27E-02	2.34E+00	1.31E+00	3.77E-05	9.71E-04	1.54E-03	1.31E+00	1.59E+00	8.70E-01	8.86E-02	5.27E-02	2.60E+00
3856	484363.09	3852877.25	7.56395	1.17828	0.4969	0.68485	1.24E+00	9.14E-01	9.63E-02	5.04E-02	2.30E+00	1.22E+00	3.96E-05	1.06E-03	1.47E-03	1.22E+00	1.48E+00	9.14E-01	9.63E-02	5.04E-02	2.54E+00
3857	484863.09	3852877.25	6.95728	1.11199	0.5328	0.74586	1.14E+00	8.63E-01	1.03E-01	5.49E-02	2.16E+00	1.12E+00	3.74E-05	1.13E-03	1.61E-03	1.12E+00	1.36E+00	8.63E-01	1.03E-01	5.49E-02	2.38E+00
3858	485363.09	3852877.25	3.78415	0.6423	0.5567	0.88027	6.19E-01	4.98E-01	1.08E-01	6.48E-02	1.29E+00	6.10E-01	2.16E-05	1.18E-03	1.90E-03	6.13E-01	7.40E-01	4.98E-01	1.08E-01	6.48E-02	1.41E+00
3859	485863.09	3852877.25	2.33492	0.51182	0.5412	0.83613	3.82E-01	3.97E-01	1.05E-01	6.16E-02	9.45E-01	3.76E-01	1.72E-05	1.15E-03	1.80E-03	3.79E-01	4.57E-01	3.97E-01	1.05E-01	6.16E-02	1.02E+00
3860	486363.09	3852877.25	1.51369	0.41593	0.6178	0.85947	2.48E-01	3.23E-01	1.20E-01	6.33E-02	7.53E-01	2.44E-01	1.40E-05	1.31E-03	1.85E-03	2.47E-01	2.96E-01	3.23E-01	1.20E-01	6.33E-02	8.02E-01
3861	486863.09	3852877.25	1.25169	0.3886	0.6682	0.87677	2.05E-01	3.01E-01	1.30E-01	6.46E-02	7.00E-01	2.02E-01	1.31E-05	1.42E-03	1.89E-03	2.05E-01	2.45E-01	3.01E-01	1.30E-01	6.46E-02	7.41E-01
3862	487363.09	3852877.25	0.99902	0.33278	0.5661	0.83825	1.63E-01	2.58E-01	1.10E-01	6.17E-02	5.93E-01	1.61E-01	1.12E-05	1.20E-03	1.80E-03	1.64E-01	1.95E-01	2.58E-01	1.10E-01	6.17E-02	6.25E-01
3863	487863.09	3852877.25	0.85522	0.31921	0.5798	0.855	1.40E-01	2.48E-01	1.12E-01	6.29E-02	5.63E-01	1.38E-01	1.07E-05	1.23E-03	1.84E-03	1.41E-01	1.67E-01	2.48E-01	1.12E-01	6.29E-02	5.90E-01
3864	488363.09	3852877.25	0.5802	0.25676	0.699	0.75164	9.49E-02	1.99E-01	1.36E-01	5.53E-02	4.85E-01	9.35E-02	8.62E-06	1.49E-03	1.62E-03	9.66E-02	1.14E-01	1.99E-01	1.36E-01	5.53E-02	5.04E-01
3865	488863.09	3852877.25	0.5875	0.24623	0.7513	0.74523	9.61E-02	1.91E-01	1.46E-01	5.49E-02	4.88E-01	9.47E-02	8.27E-06	1.60E-03	1.60E-03	9.79E-02	1.15E-01	1.91E-01	1.46E-01	5.49E-02	5.07E-01
3866	489363.09	3852877.25	0.59999	0.24166	0.719	0.75424	9.81E-02	1.87E-01	1.39E-01	5.55E-02	4.81E-01	9.67E-02	8.12E-06	1.53E-03	1.62E-03	9.98E-02	1.17E-01	1.87E-01	1.39E-01	5.55E-02	5.00E-01
3867	489863.09	3852877.25	0.57541	0.24047	0.7192	0.78161	9.41E-02	1.87E-01	1.39E-01	5.75E-02	4.78E-01	9.27E-02	8.08E-06	1.53E-03	1.68E-03	9.59E-02	1.13E-01	1.87E-01	1.39E-01	5.75E-02	4.96E-01
3868	490363.09	3852877.25	0.71383	0.29312	0.8127	0.77986	1.17E-01	2.27E-01	1.58E-01	5.74E-02	5.59E-01	1.15E-01	9.85E-06	1.73E-03	1.68E-03	1.18E-01	1.40E-01	2.27E-01	1.58E-01	5.74E-02	5.82E-01
3869	490863.09	3852877.25	0.77583	0.28056	0.8482	0.80953	1.27E-01	2.18E-01	1.64E-01	5.96E-02	5.69E-01	1.25E-01	9.42E-06	1.80E-03	1.74E-03	1.29E-01	1.52E-01	2.18E-01	1.64E-01	5.96E-02	5.94E-01
3870	491363.09	3852877.25	0.84183	0.29259	0.9245	0.86392	1.38E-01	2.27E-01	1.79E-01	6.36E-02	6.08E-01	1.36E-01	9.83E-06	1.97E-03	1.86E-03	1.39E-01	1.65E-01	2.27E-01	1.79E-01	6.36E-02	6.35E-01
3871	491863.09	3852877.25	0.85547	0.30497	0.8061	0.91362	1.40E-01	2.37E-01	1.56E-01	6.73E-02	6.00E-01	1.38E-01	1.02E-05	1.71E-03	1.97E-03	1.42E-01	1.67E-01	2.37E-01	1.56E-01	6.73E-02	6.28E-01
3872	492363.09	3852877.25	0.91227	0.30556	1.2944	0.99377	1.49E-01	2.37E-01	2.51E-01	7.32E-02	7.10E-01	1.47E-01	1.03E-05	2.75E-03	2.14E-03	1.52E-01	1.79E-01	2.37E-01	2.51E-01	7.32E-02	7.40E-01
3873	492863.09	3852877.25	1.02605	0.33153	1.9318	1.09486	1.68E-01	2.57E-01	3.75E-01	8.06E-02	8.80E-01	1.65E-01	1.11E-05	4.11E-03	2.36E-03	1.72E-01	2.01E-01	2.57E-01	3.75E-01	8.06E-02	9.13E-01
3874	493363.09	3852877.25	1.11589	0.35321	2.0309	1.18975	1.83E-01	2.74E-01	3.94E-01	8.76E-02	9.38E-01	1.80E-01	1.19E-05	4.32E-03	2.56E-03	1.87E-01	2.18E-01	2.74E-01	3.94E-01	8.76E-02	9.74E-01
3875	493863.09	3852877.25	1.06337	0.35645	2.2521	1.0652	1.74E-01	2.76E-01	4.37E-01	7.84E-02	9.66E-01	1.71E-01	1.20E-05	4.79E-03	2.29E-03	1.78E-01	2.08E-01	2.77E-01	4.37E-01	7.84E-02	1.00E+00
3876	494363.09	3852877.25	1.04183	0.32537	2.4529	1.09409	1.70E-01	2.52E-01	4.76E-01	8.06E-02	9.79E-01	1.68E-01	1.09E-05	5.22E-03	2.36E-03	1.75E-01	2.04E-01	2.52E-01	4.76E-01	8.06E-02	1.01E+00
3877	494863.09	3852877.25	1.08046	0.31186	1.9882	1.05749	1.77E-01	2.42E-01	3.86E-01	7.79E-02	8.82E-01	1.74E-01	1.05E-05	4.23E-03	2.28E-03	1.81E-01	2.11E-01	2.42E-01	3.86E-01	7.79E-02	9.17E-01
3878	495363.09	3852877.25	0.92961	0.29987	1.9626	1.03287	1.52E-01	2.33E-01	3.81E-01	7.60E-02	8.41E-01	1.50E-01	1.01E-05	4.17E-03	2.22E-03	1.56E-01	1.82E-01	2.33E-01	3.81E-01	7.60E-02	8.71E-01
3879	495863.09	3852877.25	0.81918	0.27089	2.0152	1.00635	1.34E-01	2.10E-01	3.91E-01	7.41E-02	8.09E-01	1.32E-01	9.10E-06	4.28E-03	2.17E-03	1.38E-01	1.60E-01	2.10E-01	3.91E-01	7.41E-02	8.35E-01
3880	496363.09	3852877.25	0.78742	0.26456	2.0245	0.93603	1.29E-01	2.05E-01	3.93E-01	6.89E-02	7.95E-01	1.27E-01	8.89E-06	4.30E-03	2.02E-03	1.33E-01	1.54E-01	2.05E-01	3.93E-01	6.89E-02	8.21E-01
3881	496863.09	3852877.25	0.723	0.25658	2.1941	0.89934	1.18E-01	1.99E-01	4.25E-01	6.62E-02	8.09E-01	1.16E-01	8.62E-06	4.66E-03	1.94E-03	1.23E-01	1.41E-01	1.99E-01	4.25E-01	6.62E-02	8.32E-01
3882	497363.09	3852877.25	0.56243	0.24352	2.2083	0.87018	9.20E-02	1.89E-01	4.28E-01	6.41E-02	7.73E-01	9.06E-02	8.18E-06	4.70E-03	1.87E-03	9.72E-02	1.10E-01	1.89E-01	4.28E-01	6.41E-02	7.91E-01
3883	497863.09	3852877.25	0.47979	0.22656	2.1167	0.82116	7.85E-02	1.76E-01	4.10E-01	6.05E-02	7.25E-01	7.73E-02	7.61E-06	4.50E-03	1.77E-03	8.36E-02	9.39E-02	1.76E-01	4.10E-01	6.05E-02	7.41E-01
3884	498363.09	3852877.25	0.46609	0.21238	2.2537	0.7983	7.62E-02	1.65E-01	4.37E-01	5.88E-02	7.37E-01	7.51E-02	7.13E-06	4.79E-03	1.72E-03	8.16E-02	9.12E-02	1.65E-01	4.37E-01	5.88E-02	7.52E-01
3885	471363.09	3853377.25	1.97771	0.55708	0.344	0.50974	3.23E-01	4.32E-01	6.67E-02	3.75E-02	8.60E-01	3.19E-01	1.87E-05	7.31E-04	1.10E-03	3.21E-01	3.87E-01	4.32E-01	6.67E-02	3.75E-02	9.23E-01
3886	471863.09	3853377.25	2.15035	0.60997	0.3458	0.52311	3.52E-01	4.73E-01	6.70E-02	3.85E-02	9.30E-01	3.46E-01	2.05E-05	7.35E-04	1.13E-03	3.48E-01	4.21E-01	4.73E-01	6.70E-02	3.85E-02	1.00E+00
3887	472363.09	3853377.25	2.34595	0.64525	0.3943	0.53408	3.84E-01	5.01E-01	7.65E-02	3.93E-02	1.00E+00	3.78E-01	2.17E-05	8.38E-04	1.15E-03	3.80E-01	4.59E-01	5.01E-01	7.65E-02	3.93E-02	1.08E+00
3888	472863.09	3853377.25	2.45668	0.69726	0.4706	0.53239	4.02E-01	5.41E-01	9.12E-02	3.92E-02	1.07E+00	3.96E-01	2.34E-05	1.00E-03	1.15E-03	3.98E-01	4.81E-01	5.41E-01	9.12E-02	3.92E-02	1.15E+00
3889	473363.09	3853377.25	2.66934	0.74296	0.4846	0.52531	4.37E-01	5.76E-01	9.40E-02	3.87E-02	1.15E+00	4.30E-01	2.50E-05	1.03E-03	1.13E-03	4.32E-01	5.22E-01	5.76E-01	9.40E-02	3.87E-02	1.23E+00
3890	473863.09	3853377.25	2.76917	0.78901	0.4875	0.51142	4.53E-01	6.12E-01	9.45E-02	3.77E-02	1.20E+00	4.46E-01	2.65E-05	1.04E-03	1.10E-03	4.48E-01	5.42E-01	6.12E-01	9.45E-02	3.77E-02	1.29E+00
3891	474363.09	3853377.25	2.85391	0.84288	0.4826	0.51907	4.67E-01	6.54E-01	9.36E-02	3.82E-02	1.25E+00	4.60E-01	2.83E-05	1.03E-03	1.12E-03	4.62E-01	5.58E-01	6.54E-01	9.36E-02	3.82E-02	1.34E+00
3892	474863.09	3853377.25	2.7897	0.82324	0.4559	0.55148	4.56E-01	6.39E-01	8.84E-02	4.06E-02	1.22E+00	4.50E-01	2.77E-05	9.69E-04	1.19E-03	4.52E-01	5.46E-01	6.39E-01	8.84E-02	4.06E-02	1.31E+00
3893	475363.09	3853377.25	2.83288	0.80261	0.4768	0.55751	4.63E-01	6.23E-01	9.25E-02	4.10E-02	1.22E+00	4.56E-01	2.70E-05	1.01E-03	1.20E-03	4.59E-01	5.54E-01	6.23E-01	9.25E-02	4.10E-02	1.31E+00
3894	475863.09	3853377.25	2.85204	0.82982	0.4495	0.53746	4.66E-01	6.44E-01	8.72E-02	3.96E-02	1.24E+00	4.60E-01	2.79E-05	9.56E-04	1.16E-03	4.62E-01	5.58E-01	6.44E-01	8.72E-02	3.96E-02	1.33E+00
3895	476363.09	3853377.25	2.42594	0.7644	0.4234	0.5275	3.97E-01	5.93E-01	8.21E-02	3.88E-02	1.11E+00	3.91E-01	2.57E-05	9.00E-04	1.14E-03	3.93E-01	4.75E-01	5.93E-01	8.21E-02	3.88E-02	1.19E+00
3896	476863.09	3853377.25	1.91718	0.71209	0.4005	0.54021	3.14E-01	5.52E-01	7.77E-02	3.98E-02	9.83E-01	3.09E-01	2.39E-05	8.51E-04	1.16E-03	3.11E-01	3.75E-01	5.52E-01	7.77E-02	3.98E-02	1.04E+00
3897	477363.09	3853377.25	1.84877	0.75319	0.3992	0.56812	3.02E-01	5.84E-01	7.74E-02	4.18E-02	1.01E+00	2.98E-01	2.53E-05	8.49E-04	1.22E-03	3.00E-01	3.62E-01	5.84E-01	7.74E-02	4.18E-02	1.07E+00
3898	477863.09	3853377.25	1.89224	0.7755	0.3976	0.56727	3.09E-01	6.02E-01	7.71E-02	4.18E-02	1.03E+00	3.05E-01	2.61E-05	8.45E-04	1.22E-03	3.07E-01	3.70E-01	6.02E-01	7.71E-02	4.18E-02	1.09E+00
3899	478363.09	3853377.25	1.50923	0.64765	0.3907	0.5641	2.47E-01	5.02E-01	7.58E-02	4.15E-02	8.67E-01	2.43E-01	2.18E-05	8.31E-04	1.21E-03	2.45E-01	2.95E-01	5.02E-01	7.58E-02	4.15E-02	9.15E-01
3900	478863.09	3853377.25	1.11434	0.60953	0.4182	0.61436	1.82E-01	4.73E-01	8.11E-02	4.52E-02	7.81E-01	1.80E-01	2.05E-05	8.89E-04	1.32E-03	1.82E-01	2.18E-01	4.73E-01	8.11E-02	4.52E-02	8.17E-01

3901	479363.09	3853377.25	2.1323	1.06493	0.4038	0.6012	3.49E-01	8.26E-01	7.83E-02	4.43E-02	1.30E+00	3.44E-01	3.58E-05	8.58E-04	1.29E-03	3.46E-01	4.17E-01	8.26E-01	7.83E-02	4.43E-02	1.37E+00
3902	479863.09	3853377.25	3.88636	1.63546	0.375	0.57005	6.36E-01	1.27E+00	7.27E-02	4.20E-02	2.02E+00	6.26E-01	5.49E-05	7.97E-04	1.23E-03	6.28E-01	7.60E-01	1.27E+00	7.27E-02	4.20E-02	2.14E+00
3903	480363.09	3853377.25	7.72144	2.78633	0.3644	0.52131	1.26E+00	2.16E+00	7.07E-02	3.84E-02	3.53E+00	1.24E+00	9.36E-05	7.75E-04	1.12E-03	1.25E+00	1.51E+00	2.16E+00	7.07E-02	3.84E-02	3.78E+00
3904	480863.09	3853377.25	8.60859	2.65122	0.3548	0.55232	1.41E+00	2.06E+00	6.88E-02	4.07E-02	3.57E+00	1.39E+00	8.91E-05	7.54E-04	1.19E-03	1.39E+00	1.68E+00	2.06E+00	6.88E-02	4.07E-02	3.85E+00
3905	481363.09	3853377.25	10.8727	4.61384	0.352	0.53397	1.78E+00	3.58E+00	6.83E-02	3.93E-02	5.46E+00	1.75E+00	1.55E-04	7.48E-04	1.15E-03	1.75E+00	2.13E+00	3.58E+00	6.83E-02	3.93E-02	5.81E+00
3906	481863.09	3853377.25	9.64514	5.97821	0.3553	0.62061	1.58E+00	4.64E+00	6.89E-02	4.57E-02	6.33E+00	1.55E+00	2.01E-04	7.55E-04	1.34E-03	1.56E+00	1.89E+00	4.64E+00	6.89E-02	4.57E-02	6.64E+00
3907	482363.09	3853377.25	10.7705	4.86866	0.3877	0.72597	1.76E+00	3.78E+00	7.52E-02	5.34E-02	5.67E+00	1.74E+00	1.64E-04	8.24E-04	1.56E-03	1.74E+00	2.11E+00	3.78E+00	7.52E-02	5.34E-02	6.01E+00
3908	482863.09	3853377.25	16.1704	4.35775	0.3821	0.79362	2.64E+00	3.38E+00	7.41E-02	5.84E-02	6.16E+00	2.61E+00	1.46E-04	8.12E-04	1.71E-03	2.61E+00	3.16E+00	3.38E+00	7.41E-02	5.84E-02	6.68E+00
3909	483363.09	3853377.25	15.9224	2.55336	0.4183	0.76965	2.60E+00	1.98E+00	8.11E-02	5.67E-02	4.72E+00	2.57E+00	8.58E-05	8.89E-04	1.66E-03	2.57E+00	3.12E+00	1.98E+00	8.11E-02	5.67E-02	5.23E+00
3910	483863.09	3853377.25	13.6906	1.87563	0.4671	0.76681	2.24E+00	1.45E+00	9.06E-02	5.65E-02	3.84E+00	2.21E+00	6.30E-05	9.93E-04	1.65E-03	2.21E+00	2.68E+00	1.46E+00	9.06E-02	5.65E-02	4.28E+00
3911	484363.09	3853377.25	11.2903	1.61033	0.5062	0.78387	1.85E+00	1.25E+00	9.82E-02	5.77E-02	3.25E+00	1.82E+00	5.41E-05	1.08E-03	1.69E-03	1.82E+00	2.21E+00	1.25E+00	9.82E-02	5.77E-02	3.61E+00
3912	484863.09	3853377.25	7.55991	1.04816	0.5489	0.92243	1.24E+00	8.13E-01	1.06E-01	6.79E-02	2.22E+00	1.22E+00	3.52E-05	1.17E-03	1.99E-03	1.22E+00	1.48E+00	8.13E-01	1.06E-01	6.79E-02	2.47E+00
3913	485363.09	3853377.25	2.79135	0.57678	0.6113	0.86787	4.57E-01	4.47E-01	1.19E-01	6.39E-02	1.09E+00	4.50E-01	1.94E-05	1.30E-03	1.87E-03	4.53E-01	5.46E-01	4.47E-01	1.19E-01	6.39E-02	1.18E+00
3914	485863.09	3853377.25	1.39501	0.40633	0.5814	0.92854	2.28E-01	3.15E-01	1.13E-01	6.84E-02	7.24E-01	2.25E-01	1.36E-05	1.24E-03	2.00E-03	2.28E-01	2.73E-01	3.15E-01	1.13E-01	6.84E-02	7.69E-01
3915	486363.09	3853377.25	1.26048	0.39878	0.5815	0.91322	2.06E-01	3.09E-01	1.13E-01	6.72E-02	6.95E-01	2.03E-01	1.34E-05	1.24E-03	1.97E-03	2.06E-01	2.47E-01	3.09E-01	1.13E-01	6.72E-02	7.36E-01
3916	486863.09	3853377.25	1.13946	0.37707	0.7464	0.92452	1.86E-01	2.92E-01	1.45E-01	6.81E-02	6.92E-01	1.84E-01	1.27E-05	1.59E-03	1.99E-03	1.87E-01	2.23E-01	2.93E-01	1.45E-01	6.81E-02	7.28E-01
3917	487363.09	3853377.25	1.10553	0.3942	0.64	0.96849	1.81E-01	3.06E-01	1.24E-01	7.13E-02	6.82E-01	1.78E-01	1.32E-05	1.36E-03	2.08E-03	1.82E-01	2.16E-01	3.06E-01	1.24E-01	7.13E-02	7.18E-01
3918	487863.09	3853377.25	1.07817	0.37411	0.6767	0.95333	1.76E-01	2.90E-01	1.31E-01	7.02E-02	6.68E-01	1.74E-01	1.26E-05	1.44E-03	2.05E-03	1.77E-01	2.11E-01	2.90E-01	1.31E-01	7.02E-02	7.03E-01
3919	488363.09	3853377.25	1.09338	0.37732	0.7817	1.03789	1.79E-01	2.93E-01	1.52E-01	7.64E-02	7.00E-01	1.76E-01	1.27E-05	1.66E-03	2.23E-03	1.80E-01	2.14E-01	2.93E-01	1.52E-01	7.64E-02	7.35E-01
3920	488863.09	3853377.25	1.05513	0.36179	0.9085	1.05233	1.73E-01	2.81E-01	1.76E-01	7.75E-02	7.07E-01	1.70E-01	1.22E-05	1.93E-03	2.27E-03	1.74E-01	2.06E-01	2.81E-01	1.76E-01	7.75E-02	7.41E-01
3921	489363.09	3853377.25	1.01228	0.32368	0.9581	1.05677	1.66E-01	2.51E-01	1.86E-01	7.78E-02	6.80E-01	1.63E-01	1.09E-05	2.04E-03	2.27E-03	1.67E-01	1.98E-01	2.51E-01	1.86E-01	7.78E-02	7.13E-01
3922	489863.09	3853377.25	0.94288	0.36312	0.895	0.95303	1.54E-01	2.82E-01	1.74E-01	7.02E-02	6.80E-01	1.52E-01	1.22E-05	1.90E-03	2.05E-03	1.56E-01	1.85E-01	2.82E-01	1.74E-01	7.02E-02	7.10E-01
3923	490363.09	3853377.25	1.02334	0.35285	1.0089	1.02414	1.67E-01	2.74E-01	1.96E-01	7.54E-02	7.12E-01	1.65E-01	1.19E-05	2.15E-03	2.20E-03	1.69E-01	2.00E-01	2.74E-01	1.96E-01	7.54E-02	7.45E-01
3924	490863.09	3853377.25	1.08495	0.34912	0.9503	1.16133	1.77E-01	2.71E-01	1.84E-01	8.55E-02	7.18E-01	1.75E-01	1.17E-05	2.02E-03	2.50E-03	1.79E-01	2.12E-01	2.71E-01	1.84E-01	8.55E-02	7.53E-01
3925	491363.09	3853377.25	1.1358	0.37963	0.8942	1.28783	1.86E-01	2.94E-01	1.73E-01	9.48E-02	7.48E-01	1.83E-01	1.28E-05	1.90E-03	2.77E-03	1.88E-01	2.22E-01	2.94E-01	1.73E-01	9.48E-02	7.85E-01
3926	491863.09	3853377.25	1.19117	0.35453	1.4509	1.29282	1.95E-01	2.75E-01	2.81E-01	9.52E-02	8.46E-01	1.92E-01	1.19E-05	3.08E-03	2.78E-03	1.98E-01	2.33E-01	2.75E-01	2.81E-01	9.52E-02	8.85E-01
3927	492363.09	3853377.25	1.35903	0.37915	2.1252	1.26878	2.22E-01	2.94E-01	4.12E-01	9.34E-02	1.02E+00	2.19E-01	1.27E-05	4.52E-03	2.73E-03	2.26E-01	2.66E-01	2.94E-01	4.12E-01	9.34E-02	1.07E+00
3928	492863.09	3853377.25	1.58923	0.39948	2.4259	1.36753	2.60E-01	3.10E-01	4.70E-01	1.01E-01	1.14E+00	2.56E-01	1.34E-05	5.16E-03	2.94E-03	2.64E-01	3.11E-01	3.10E-01	4.70E-01	1.01E-01	1.19E+00
3929	493363.09	3853377.25	1.59023	0.4193	2.6506	1.22448	2.60E-01	3.25E-01	5.14E-01	9.02E-02	1.19E+00	2.56E-01	1.41E-05	5.64E-03	2.64E-03	2.65E-01	3.11E-01	3.25E-01	5.14E-01	9.02E-02	1.24E+00
3930	493863.09	3853377.25	1.55632	0.3955	2.6394	1.13962	2.55E-01	3.07E-01	5.12E-01	8.39E-02	1.16E+00	2.51E-01	1.33E-05	5.61E-03	2.45E-03	2.59E-01	3.05E-01	3.07E-01	5.12E-01	8.39E-02	1.21E+00
3931	494363.09	3853377.25	1.3886	0.36636	2.1611	1.2466	2.27E-01	2.84E-01	4.19E-01	9.18E-02	1.02E+00	2.24E-01	1.23E-05	4.59E-03	2.68E-03	2.31E-01	2.72E-01	2.84E-01	4.19E-01	9.18E-02	1.07E+00
3932	494863.09	3853377.25	1.18293	0.32303	2.3512	1.11594	1.93E-01	2.51E-01	4.56E-01	8.22E-02	9.82E-01	1.91E-01	1.09E-05	5.00E-03	2.40E-03	1.98E-01	2.31E-01	2.51E-01	4.56E-01	8.22E-02	1.02E+00
3933	495363.09	3853377.25	1.10429	0.30675	2.4985	1.09845	1.81E-01	2.38E-01	4.84E-01	8.09E-02	9.84E-01	1.78E-01	1.03E-05	5.31E-03	2.36E-03	1.86E-01	2.16E-01	2.38E-01	4.84E-01	8.09E-02	1.02E+00
3934	495863.09	3853377.25	0.96288	0.29265	2.5987	1.06848	1.57E-01	2.27E-01	5.04E-01	7.87E-02	9.67E-01	1.55E-01	9.83E-06	5.53E-03	2.30E-03	1.63E-01	1.88E-01	2.27E-01	5.04E-01	7.87E-02	9.98E-01
3935	496363.09	3853377.25	0.79659	0.27227	2.6075	1.00173	1.30E-01	2.11E-01	5.06E-01	7.38E-02	9.21E-01	1.28E-01	9.15E-06	5.54E-03	2.16E-03	1.36E-01	1.56E-01	2.11E-01	5.06E-01	7.38E-02	9.46E-01
3936	496863.09	3853377.25	0.64623	0.26309	2.5723	0.96194	1.06E-01	2.04E-01	4.99E-01	7.08E-02	8.79E-01	1.04E-01	8.84E-06	5.47E-03	2.07E-03	1.12E-01	1.26E-01	2.04E-01	4.99E-01	7.08E-02	9.00E-01
3937	497363.09	3853377.25	0.5564	0.25163	2.6852	0.9151	9.10E-02	1.95E-01	5.21E-01	6.74E-02	8.74E-01	8.97E-02	8.45E-06	5.71E-03	1.97E-03	9.73E-02	1.09E-01	1.95E-01	5.21E-01	6.74E-02	8.92E-01
3938	497863.09	3853377.25	0.4516	0.20351	2.5027	0.79583	7.39E-02	1.58E-01	4.85E-01	5.86E-02	7.76E-01	7.28E-02	6.84E-06	5.32E-03	1.71E-03	7.98E-02	8.84E-02	1.58E-01	4.85E-01	5.86E-02	7.90E-01
3939	498363.09	3853377.25	0.35122	0.1861	2.3659	0.62364	5.74E-02	1.44E-01	4.59E-01	4.59E-02	7.06E-01	5.66E-02	6.25E-06	5.03E-03	1.34E-03	6.30E-02	6.87E-02	1.44E-01	4.59E-01	4.59E-02	7.18E-01
3940	471363.09	3853877.25	1.86202	0.56151	0.4038	0.52504	3.05E-01	4.36E-01	7.83E-02	3.87E-02	8.57E-01	3.00E-01	1.89E-05	8.59E-04	1.13E-03	3.02E-01	3.64E-01	4.36E-01	7.83E-02	3.87E-02	9.17E-01
3941	471863.09	3853877.25	2.12395	0.61302	0.4014	0.53678	3.47E-01	4.76E-01	7.78E-02	3.95E-02	9.40E-01	3.42E-01	2.06E-05	8.53E-04	1.16E-03	3.44E-01	4.16E-01	4.76E-01	7.78E-02	3.95E-02	1.01E+00
3942	472363.09	3853877.25	2.32762	0.63716	0.4118	0.54665	3.81E-01	4.94E-01	7.99E-02	4.02E-02	9.95E-01	3.75E-01	2.14E-05	8.76E-04	1.18E-03	3.77E-01	4.55E-01	4.94E-01	7.99E-02	4.02E-02	1.07E+00
3943	472863.09	3853877.25	2.53763	0.68121	0.4099	0.56138	4.15E-01	5.28E-01	7.95E-02	4.13E-02	1.06E+00	4.09E-01	2.29E-05	8.71E-04	1.21E-03	4.11E-01	4.97E-01	5.28E-01	7.95E-02	4.13E-02	1.15E+00
3944	473363.09	3853877.25	2.56387	0.68965	0.4066	0.56879	4.19E-01	5.35E-01	7.88E-02	4.19E-02	1.08E+00	4.13E-01	2.32E-05	8.65E-04	1.22E-03	4.15E-01	5.02E-01	5.35E-01	7.88E-02	4.19E-02	1.16E+00
3945	473863.09	3853877.25	2.6482	0.70263	0.4411	0.59221	4.33E-01	5.45E-01	8.55E-02	4.36E-02	1.11E+00	4.27E-01	2.36E-05	9.38E-04	1.27E-03	4.29E-01	5.18E-01	5.45E-01	8.55E-02	4.36E-02	1.19E+00
3946	474363.09	3853877.25	2.78661	0.73729	0.5298	0.6083	4.56E-01	5.72E-01	1.03E-01	4.48E-02	1.18E+00	4.49E-01	2.48E-05	1.13E-03	1.31E-03	4.51E-01	5.45E-01	5.72E-01	1.03E-01	4.48E-02	1.26E+00
3947	474863.09	3853877.25	2.79698	0.76776	0.5594	0.59919	4.57E-01	5.96E-01	1.08E-01	4.41E-02	1.21E+00	4.51E-01	2.58E-05	1.19E-03	1.29E-03	4.53E-01	5.47E-01	5.96E-01	1.08E-01	4.41E-02	1.30E+00
3948	475363.09	3853877.25	2.71339	0.72788	0.5615	0.58811	4.44E-01	5.65E-01	1.09E-01	4.33E-02	1.16E+00	4.37E-01	2.45E-05	1.19E-03	1.27E-03	4.40E-01	5.31E-01	5.65E-01	1.09E-01	4.33E-02	1.25E+00
3949	475863.09	3853877.25	2.03514	0.63163	0.5402	0.58959	3.33E-01	4.90E-01	1.05E-01	4.34E-02	9.71E-01	3.28E-01	2.12E-05	1.15E-03	1.27E-03	3.30E-01	3.98E-01	4.90E-01	1.05E-01	4.34E-02	1.04E+00
3950	476363.09	3853877.25	1.45739	0.54483	0.5337	0.58955	2.38E-01	4.23E-01	1.03E-01	4.34E-02	8.08E-01	2.35E-01	1.83E-05	1.13E-03	1.27E-03	2.37E-01	2.85E-01	4.23E-01	1.03E-01	4.34E-02	8.55E-01
3951	476863.09	3853877.25	1.05951	0.46728	0.546	0.57355	1.73E-01	3.62E-01	1.06E-01	4.22E-02	6.84E-01	1.71E-01	1.57E-05	1.16E-03	1.23E-03	1.73E-01	2.07E-01	3.62E-01	1.06E-01	4.22E-02	7.18E-01
3952	477363.09	3853877.25	1.13544	0.5118	0.5166	0.58887	1.86E-01	3.97E-01	1.00E-01	4.34E-02	7.26E-01	1.83E-01	1.72E-05	1.10E-03	1.27E-03	1.85E-01	2.22E-01	3.97E-01	1.00E-01	4.34E-02	7.63E-01
3953	477863.09	3853877.25	1.32097	0.63481	0.4873	0.58763	2.16E-01	4.92E-01	9.45E-02	4.33E-02	8.46E-01	2.13E-01	2.13E-05	1.04E-03	1.27E-03	2.15E-01	2.58E-01	4.92E-01	9.45E-02	4.33E-02	8.89E-01
3954	478363.09	3853877.25	1.40958	0.70175	0.471	0.59783	2.31E-01	5.44E-01	9.13E-02	4.40E-02	9.10E-01	2.27E-01	2.36E-05	1.00E-03	1.29E-03	2.29E-01	2.76E-01	5.44E-01	9.13E-02	4.40E-02	9.56E-01
3955	478863.09	3853877.25	1.00532	0.54079	0.4362	0.61542	1.64E-01	4.19E-01	8.46E-02	4.53E-02	7.14E-01	1.62E-01	1.82E-05	9.27E-04	1.32E-03	1.64E-01	1.97E-01	4.20E-01	8.46E-02	4.53E-02	7.46E-01
3956	479363.09	3853877.25	1.45083	0.70705	0.4472	0.64539	2.37E-01	5.48E-01	8.67E-02	4.75E-02	9.20E-01	2.34E-01	2.38E-05	9.51E-04	1.39E-03	2.36E-01	2.84E-01	5.48E-01	8.67E-02	4.75E-02	9.67E-01
3957	479863.09	3853877.25	3.17586	1.30747	0.4786	0.71814	5.19E-01	1.01E+00	9.28E-02	5.29E-02	1.68E+00	5.12E-01	4.39E-05	1.02E-03	1.55E-03	5.14E-01	6.21E-01	1.01E+00	9.28E-02	5.29E-02	1.78E+00
3958	480363.09	3853877.25	5.44118	2.082	0.4572	0.71835	8.90E-01	1.62E+00	8.86E-02	5.29E-02	2.65E+00	8.77E-01	6.99E-05	9.72E-04	1.55E-03	8.79E-01	1.06E+00	1.62E+00	8.86E-02	5.29E-02	2.82E+00
3959	480863.09	3853877.25	7.96853	3.53268	0.4486	0.61728	1.30E+00	2.74E+00	8.70E-02	4.54E-02	4.18E+00	1.28E+00	1.19E-04	9.54E-04	1.33E-03	1.29E+00	1.56E+00	2.74E+00	8.70E-02	4.54E-02	4.43E+00
3960	481363.09	3853877.25	10.5952	5.05058	0.4062	0.64223	1.73E+00	3.92E+00	7.88E-02	4.73E-02	5.78E+00	1.71E+00	1.70E-04	8.64E-04	1.38E-03	1.71E+00	2.07E+00	3.92E+00	7.88E-02	4.73E-02	6.12E+00
3961	481863.09	3853877.25	11.6876	8.26502	0.4094	0.66286	1.91E+00	6.41E+00	7.94E-02	4.88E-02	8.45E+00	1.88E+00	2.78E-04	8.71E-04	1.43E-03	1.89E+00	2.29E+00	6.41E+00	7.94E-02	4.88E-02	8.83E+00

3962	482363.09	3853877.25	13.1193	6.86003	0.3912	0.88752	2.15E+00	5.32E+00	7.59E-02	6.53E-02	7.61E+00	2.11E+00	2.30E-04	8.32E-04	1.91E-03	2.12E+00	2.57E+00	5.32E+00	7.59E-02	6.53E-02	8.03E+00
3963	482863.09	3853877.25	14.1889	4.67322	0.4203	0.95544	2.32E+00	3.63E+00	8.15E-02	7.03E-02	6.10E+00	2.29E+00	1.57E-04	8.94E-04	2.06E-03	2.29E+00	2.78E+00	3.63E+00	8.15E-02	7.03E-02	6.55E+00
3964	483363.09	3853877.25	20.0857	2.85242	0.4103	0.92924	3.29E+00	2.21E+00	7.96E-02	6.84E-02	5.65E+00	3.24E+00	9.58E-05	8.72E-04	2.00E-03	3.24E+00	3.93E+00	2.21E+00	7.96E-02	6.84E-02	6.29E+00
3965	483863.09	3853877.25	21.2001	2.3961	0.4702	1.00875	3.47E+00	1.86E+00	9.12E-02	7.43E-02	5.49E+00	3.42E+00	8.05E-05	1.00E-03	2.17E-03	3.42E+00	4.15E+00	1.86E+00	9.12E-02	7.43E-02	6.17E+00
3966	484363.09	3853877.25	15.1515	1.57809	0.52	0.99838	2.48E+00	1.22E+00	1.01E-01	7.35E-02	3.88E+00	2.44E+00	5.30E-05	1.11E-03	2.15E-03	2.44E+00	2.96E+00	1.22E+00	1.01E-01	7.35E-02	4.36E+00
3967	484863.09	3853877.25	7.12228	0.89865	0.5605	0.96063	1.16E+00	6.97E-01	1.09E-01	7.07E-02	2.04E+00	1.15E+00	3.02E-05	1.19E-03	2.07E-03	1.15E+00	1.39E+00	6.97E-01	1.09E-01	7.07E-02	2.27E+00
3968	485363.09	3853877.25	2.23272	0.5203	0.6302	1.15062	3.65E-01	4.04E-01	1.22E-01	8.47E-02	9.76E-01	3.60E-01	1.75E-05	1.34E-03	2.48E-03	3.64E-01	4.37E-01	4.04E-01	1.22E-01	8.47E-02	1.05E+00
3969	485863.09	3853877.25	2.11035	0.51031	0.693	1.37713	3.45E-01	3.96E-01	1.34E-01	1.01E-01	9.77E-01	3.40E-01	1.71E-05	1.47E-03	2.96E-03	3.44E-01	4.13E-01	3.96E-01	1.34E-01	1.01E-01	1.04E+00
3970	486363.09	3853877.25	1.61251	0.46019	0.6912	1.25278	2.64E-01	3.57E-01	1.34E-01	9.22E-02	8.47E-01	2.60E-01	1.55E-05	1.47E-03	2.70E-03	2.64E-01	3.16E-01	3.57E-01	1.34E-01	9.22E-02	8.99E-01
3971	486863.09	3853877.25	1.33672	0.41595	0.859	1.16897	2.19E-01	3.23E-01	1.67E-01	8.61E-02	7.94E-01	2.15E-01	1.40E-05	1.83E-03	2.52E-03	2.20E-01	2.62E-01	3.23E-01	1.67E-01	8.61E-02	8.37E-01
3972	487363.09	3853877.25	1.30829	0.42394	0.718	1.21532	2.14E-01	3.29E-01	1.39E-01	8.95E-02	7.72E-01	2.11E-01	1.42E-05	1.53E-03	2.62E-03	2.15E-01	2.56E-01	3.29E-01	1.39E-01	8.95E-02	8.14E-01
3973	487863.09	3853877.25	1.52454	0.44095	0.7997	1.26992	2.49E-01	3.42E-01	1.55E-01	9.35E-02	8.40E-01	2.46E-01	1.48E-05	1.70E-03	2.73E-03	2.50E-01	2.98E-01	3.42E-01	1.55E-01	9.35E-02	8.89E-01
3974	488363.09	3853877.25	1.62494	0.47164	0.8771	1.15721	2.66E-01	3.66E-01	1.70E-01	8.52E-02	8.87E-01	2.62E-01	1.58E-05	1.86E-03	2.49E-03	2.66E-01	3.18E-01	3.66E-01	1.70E-01	8.52E-02	9.39E-01
3975	488863.09	3853877.25	1.93481	0.45881	1.0075	1.35123	3.16E-01	3.56E-01	1.95E-01	9.95E-02	9.67E-01	3.12E-01	1.54E-05	2.14E-03	2.91E-03	3.17E-01	3.79E-01	3.56E-01	1.95E-01	9.95E-02	1.03E+00
3976	489363.09	3853877.25	1.64931	0.40554	1.3038	1.45081	2.70E-01	3.15E-01	2.53E-01	1.07E-01	9.44E-01	2.66E-01	1.36E-05	2.77E-03	3.12E-03	2.72E-01	3.23E-01	3.15E-01	2.53E-01	1.07E-01	9.97E-01
3977	489863.09	3853877.25	1.75449	0.48364	1.0252	1.52901	2.87E-01	3.75E-01	1.99E-01	1.13E-01	9.73E-01	2.83E-01	1.62E-05	2.18E-03	3.29E-03	2.88E-01	3.43E-01	3.75E-01	1.99E-01	1.13E-01	1.03E+00
3978	490363.09	3853877.25	1.66837	0.47534	1.0601	1.52754	2.73E-01	3.69E-01	2.06E-01	1.12E-01	9.60E-01	2.69E-01	1.60E-05	2.25E-03	3.29E-03	2.74E-01	3.26E-01	3.69E-01	2.06E-01	1.12E-01	1.01E+00
3979	490863.09	3853877.25	1.70893	0.45402	1.3013	1.55404	2.80E-01	3.52E-01	2.52E-01	1.14E-01	9.98E-01	2.75E-01	1.53E-05	2.77E-03	3.35E-03	2.81E-01	3.34E-01	3.52E-01	2.52E-01	1.14E-01	1.05E+00
3980	491363.09	3853877.25	1.80701	0.46838	1.5213	1.52185	2.96E-01	3.63E-01	2.95E-01	1.12E-01	1.07E+00	2.91E-01	1.57E-05	3.23E-03	3.28E-03	2.98E-01	3.54E-01	3.63E-01	2.95E-01	1.12E-01	1.12E+00
3981	491863.09	3853877.25	1.91145	0.44861	2.342	1.40819	3.13E-01	3.48E-01	4.54E-01	1.04E-01	1.22E+00	3.08E-01	1.51E-05	4.98E-03	3.03E-03	3.16E-01	3.74E-01	3.48E-01	4.54E-01	1.04E-01	1.28E+00
3982	492363.09	3853877.25	2.21581	0.4703	2.7649	1.37263	3.62E-01	3.65E-01	5.36E-01	1.01E-01	1.36E+00	3.57E-01	1.58E-05	5.88E-03	2.95E-03	3.66E-01	4.34E-01	3.65E-01	5.36E-01	1.01E-01	1.44E+00
3983	492863.09	3853877.25	2.3807	0.50414	3.1137	1.48374	3.89E-01	3.91E-01	6.04E-01	1.09E-01	1.49E+00	3.84E-01	1.69E-05	6.62E-03	3.19E-03	3.93E-01	4.66E-01	3.91E-01	6.04E-01	1.09E-01	1.57E+00
3984	493363.09	3853877.25	2.25911	0.47115	3.0524	1.56177	3.70E-01	3.65E-01	5.92E-01	1.15E-01	1.44E+00	3.64E-01	1.58E-05	6.49E-03	3.36E-03	3.74E-01	4.42E-01	3.65E-01	5.92E-01	1.15E-01	1.51E+00
3985	493863.09	3853877.25	2.06311	0.43102	2.9333	1.53835	3.37E-01	3.34E-01	5.69E-01	1.13E-01	1.35E+00	3.32E-01	1.45E-05	6.24E-03	3.31E-03	3.42E-01	4.04E-01	3.34E-01	5.69E-01	1.13E-01	1.42E+00
3986	494363.09	3853877.25	1.94272	0.39732	2.9513	1.42405	3.18E-01	3.08E-01	5.72E-01	1.05E-01	1.30E+00	3.13E-01	1.33E-05	6.28E-03	3.07E-03	3.22E-01	3.80E-01	3.08E-01	5.72E-01	1.05E-01	1.37E+00
3987	494863.09	3853877.25	1.64856	0.37443	2.7614	1.2977	2.70E-01	2.90E-01	5.35E-01	9.55E-02	1.19E+00	2.66E-01	1.26E-05	5.87E-03	2.79E-03	2.74E-01	3.23E-01	2.90E-01	5.35E-01	9.55E-02	1.24E+00
3988	495363.09	3853877.25	1.07502	0.3197	2.9657	1.16935	1.76E-01	2.48E-01	5.75E-01	8.61E-02	1.08E+00	1.73E-01	1.07E-05	6.31E-03	2.52E-03	1.82E-01	2.10E-01	2.48E-01	5.75E-01	8.61E-02	1.12E+00
3989	495863.09	3853877.25	0.81508	0.28922	2.8623	1.0837	1.33E-01	2.24E-01	5.55E-01	7.98E-02	9.92E-01	1.31E-01	9.72E-06	6.09E-03	2.33E-03	1.40E-01	1.59E-01	2.24E-01	5.55E-01	7.98E-02	1.02E+00
3990	496363.09	3853877.25	0.7112	0.28398	3.0125	1.03325	1.16E-01	2.20E-01	5.84E-01	7.61E-02	9.97E-01	1.15E-01	9.54E-06	6.40E-03	2.22E-03	1.23E-01	1.39E-01	2.20E-01	5.84E-01	7.61E-02	1.02E+00
3991	496863.09	3853877.25	0.62215	0.27628	3.2582	0.98616	1.02E-01	2.14E-01	6.32E-01	7.26E-02	1.02E+00	1.00E-01	9.28E-06	6.93E-03	2.12E-03	1.09E-01	1.22E-01	2.14E-01	6.32E-01	7.26E-02	1.04E+00
3992	497363.09	3853877.25	0.59143	0.25697	3.4386	0.95995	9.67E-02	1.99E-01	6.67E-01	7.07E-02	1.03E+00	9.53E-02	8.63E-06	7.31E-03	2.07E-03	1.05E-01	1.16E-01	1.99E-01	6.67E-01	7.07E-02	1.05E+00
3993	497863.09	3853877.25	0.54125	0.23108	3.2194	0.86158	8.85E-02	1.79E-01	6.24E-01	6.34E-02	9.55E-01	8.72E-02	7.76E-06	6.84E-03	1.85E-03	9.59E-02	1.06E-01	1.79E-01	6.24E-01	6.34E-02	9.73E-01
3994	498363.09	3853877.25	0.50672	0.20663	3.1615	0.70771	8.29E-02	1.60E-01	6.13E-01	5.21E-02	9.08E-01	8.16E-02	6.94E-06	6.72E-03	1.52E-03	8.99E-02	9.92E-02	1.60E-01	6.13E-01	5.21E-02	9.25E-01
3995	471363.09	3854377.25	1.80059	0.56715	0.4945	0.48923	2.95E-01	4.40E-01	9.59E-02	3.60E-02	8.66E-01	2.90E-01	1.91E-05	1.05E-03	1.05E-03	2.92E-01	3.52E-01	4.40E-01	9.59E-02	3.60E-02	9.24E-01
3996	471863.09	3854377.25	1.99903	0.65581	0.5118	0.52428	3.27E-01	5.09E-01	9.92E-02	3.86E-02	9.74E-01	3.22E-01	2.20E-05	1.09E-03	1.13E-03	3.24E-01	3.91E-01	5.09E-01	9.92E-02	3.86E-02	1.04E+00
3997	472363.09	3854377.25	2.04372	0.67542	0.506	0.54546	3.34E-01	5.24E-01	9.81E-02	4.02E-02	9.96E-01	3.29E-01	2.27E-05	1.08E-03	1.17E-03	3.32E-01	4.00E-01	5.24E-01	9.81E-02	4.02E-02	1.06E+00
3998	472863.09	3854377.25	2.10785	0.68289	0.4929	0.56042	3.45E-01	5.30E-01	9.56E-02	4.13E-02	1.01E+00	3.40E-01	2.29E-05	1.05E-03	1.21E-03	3.42E-01	4.12E-01	5.30E-01	9.56E-02	4.13E-02	1.08E+00
3999	473363.09	3854377.25	2.32326	0.69783	0.4819	0.57833	3.80E-01	5.41E-01	9.34E-02	4.26E-02	1.06E+00	3.74E-01	2.34E-05	1.02E-03	1.25E-03	3.77E-01	4.55E-01	5.41E-01	9.34E-02	4.26E-02	1.13E+00
4000	473863.09	3854377.25	2.54547	0.74295	0.4757	0.60419	4.16E-01	5.76E-01	9.22E-02	4.45E-02	1.13E+00	4.10E-01	2.50E-05	1.01E-03	1.30E-03	4.12E-01	4.98E-01	5.76E-01	9.22E-02	4.45E-02	1.21E+00
4001	474363.09	3854377.25	2.79338	0.78269	0.4856	0.62601	4.57E-01	6.07E-01	9.42E-02	4.61E-02	1.20E+00	4.50E-01	2.63E-05	1.03E-03	1.35E-03	4.53E-01	5.47E-01	6.07E-01	9.42E-02	4.61E-02	1.29E+00
4002	474863.09	3854377.25	2.71458	0.69503	0.4926	0.62172	4.44E-01	5.39E-01	9.55E-02	4.58E-02	1.12E+00	4.37E-01	2.33E-05	1.05E-03	1.34E-03	4.40E-01	5.31E-01	5.39E-01	9.55E-02	4.58E-02	1.21E+00
4003	475363.09	3854377.25	2.1419	0.57279	0.4951	0.64055	3.50E-01	4.44E-01	9.60E-02	4.72E-02	9.38E-01	3.45E-01	1.92E-05	1.05E-03	1.38E-03	3.48E-01	4.19E-01	4.44E-01	9.60E-02	4.72E-02	1.01E+00
4004	475863.09	3854377.25	1.1485	0.42975	0.5809	0.66282	1.88E-01	3.33E-01	1.13E-01	4.88E-02	6.83E-01	1.85E-01	1.44E-05	1.23E-03	1.43E-03	1.88E-01	2.25E-01	3.33E-01	1.13E-01	4.88E-02	7.20E-01
4005	476363.09	3854377.25	0.95247	0.41464	0.5916	0.6326	1.56E-01	3.22E-01	1.15E-01	4.66E-02	6.39E-01	1.53E-01	1.39E-05	1.26E-03	1.36E-03	1.56E-01	1.86E-01	3.22E-01	1.15E-01	4.66E-02	6.69E-01
4006	476863.09	3854377.25	0.88618	0.41902	0.603	0.63862	1.45E-01	3.25E-01	1.17E-01	4.70E-02	6.34E-01	1.43E-01	1.41E-05	1.28E-03	1.37E-03	1.45E-01	1.73E-01	3.25E-01	1.17E-01	4.70E-02	6.62E-01
4007	477363.09	3854377.25	0.84749	0.42311	0.6192	0.64881	1.39E-01	3.28E-01	1.20E-01	4.78E-02	6.35E-01	1.37E-01	1.42E-05	1.32E-03	1.40E-03	1.39E-01	1.66E-01	3.28E-01	1.20E-01	4.78E-02	6.62E-01
4008	477863.09	3854377.25	0.88374	0.43847	0.6173	0.67281	1.45E-01	3.40E-01	1.20E-01	4.95E-02	6.54E-01	1.42E-01	1.47E-05	1.31E-03	1.45E-03	1.45E-01	1.73E-01	3.40E-01	1.20E-01	4.95E-02	6.82E-01
4009	478363.09	3854377.25	1.02832	0.5205	0.6482	0.66702	1.68E-01	4.04E-01	1.26E-01	4.91E-02	7.47E-01	1.66E-01	1.75E-05	1.38E-03	1.44E-03	1.69E-01	2.01E-01	4.04E-01	1.26E-01	4.91E-02	7.80E-01
4010	478863.09	3854377.25	1.1248	0.61853	0.6125	0.65521	1.84E-01	4.80E-01	1.19E-01	4.82E-02	8.31E-01	1.81E-01	2.08E-05	1.30E-03	1.41E-03	1.84E-01	2.20E-01	4.80E-01	1.19E-01	4.82E-02	8.67E-01
4011	479363.09	3854377.25	1.82422	0.90169	0.5741	0.73589	2.98E-01	6.99E-01	1.11E-01	5.42E-02	1.16E+00	2.94E-01	3.03E-05	1.22E-03	1.58E-03	2.97E-01	3.57E-01	6.99E-01	1.11E-01	5.42E-02	1.22E+00
4012	479863.09	3854377.25	2.60103	1.13416	0.5164	0.71133	4.25E-01	8.80E-01	1.00E-01	5.24E-02	1.46E+00	4.19E-01	3.81E-05	1.10E-03	1.53E-03	4.22E-01	5.09E-01	8.80E-01	1.00E-01	5.24E-02	1.54E+00
4013	480363.09	3854377.25	4.18858	1.58087	0.5436	0.77248	6.85E-01	1.23E+00	1.05E-01	5.69E-02	2.07E+00	6.75E-01	5.31E-05	1.16E-03	1.66E-03	6.78E-01	8.20E-01	1.23E+00	1.05E-01	5.69E-02	2.21E+00
4014	480863.09	3854377.25	7.30285	2.67798	0.5903	0.77805	1.19E+00	2.08E+00	1.14E-01	5.73E-02	3.44E+00	1.18E+00	9.00E-05	1.26E-03	1.67E-03	1.18E+00	1.43E+00	2.08E+00	1.14E-01	5.73E-02	3.68E+00
4015	481363.09	3854377.25	10.0795	4.37873	0.5207	0.73608	1.65E+00	3.40E+00	1.01E-01	5.42E-02	5.20E+00	1.62E+00	1.47E-04	1.11E-03	1.58E-03	1.63E+00	1.97E+00	3.40E+00	1.01E-01	5.42E-02	5.52E+00
4016	481863.09	3854377.25	10.7219	9.91028	0.5514	0.78996	1.75E+00	7.69E+00	1.07E-01	5.82E-02	9.61E+00	1.73E+00	3.33E-04	1.17E-03	1.70E-03	1.73E+00	2.10E+00	7.69E+00	1.07E-01	5.82E-02	9.95E+00
4017	482363.09	3854377.25	12.2118	10.9108	0.4711	1.01595	2.00E+00	8.46E+00	9.13E-02	7.48E-02	1.06E+01	1.97E+00	3.67E-04	1.00E-03	2.19E-03	1.97E+00	2.39E+00	8.46E+00	9.13E-02	7.48E-02	1.10E+01
4018	482863.09	3854377.25	13.4293	6.13267	0.4429	1.58178	2.20E+00	4.76E+00	8.59E-02	1.16E-01	7.16E+00	2.16E+00	2.06E-04	9.42E-04	3.41E-03	2.17E+00	2.63E+00	4.76E+00	8.59E-02	1.16E-01	7.59E+00
4019	483363.09	3854377.25	18.3403	3.54422	0.4638	1.19841	3.00E+00	2.75E+00	8.99E-02	8.82E-02	5.93E+00	2.96E+00	1.19E-04	9.86E-04	2.58E-03	2.96E+00	3.59E+00	2.75E+00	8.99E-02	8.82E-02	6.52E+00
4020	483863.09	3854377.25	24.6101	1.96404	0.4566	1.19562	4.03E+00	1.52E+00	8.85E-02	8.80E-02	5.73E+00	3.97E+00	6.60E-05	9.71E-04	2.57E-03	3.97E+00	4.82E+00	1.52E+00	8.85E-02	8.80E-02	6.52E+00
4021	484363.09	3854377.25	15.8427	1.18316	0.533	1.59271	2.59E+00	9.18E-01	1.03E-01	1.17E-01	3.73E+00	2.55E+00	3.97E-05	1.13E-03	3.43E-03	2.56E+00	3.10E+00	9.18E-01	1.03E-01	1.17E-01	4.24E+00
4022	484863.09	3854377.25	4.827	0.72354	0.5816	1.60904	7.90E-01	5.61E-01	1.13E-01	1.18E-01	1.58E+00	7.78E-01	2.43E-05	1.24E-03	3.46E-03	7.83E-01	9.45E-01	5.61E-01	1.13E-01	1.18E-01	1.74E+00

4023	485363.09	3854377.25	4.97487	0.7818	0.6649	1.53773	8.14E-01	6.06E-01	1.29E-01	1.13E-01	1.66E+00	8.02E-01	2.63E-05	1.41E-03	3.31E-03	8.06E-01	9.73E-01	6.06E-01	1.29E-01	1.13E-01	1.82E+00
4024	485863.09	3854377.25	2.39675	0.56905	0.8027	1.60977	3.92E-01	4.41E-01	1.56E-01	1.19E-01	1.11E+00	3.86E-01	1.91E-05	1.71E-03	3.47E-03	3.91E-01	4.69E-01	4.41E-01	1.56E-01	1.19E-01	1.18E+00
4025	486363.09	3854377.25	2.32021	0.53855	0.737	1.56225	3.79E-01	4.18E-01	1.43E-01	1.15E-01	1.06E+00	3.74E-01	1.81E-05	1.57E-03	3.36E-03	3.79E-01	4.54E-01	4.18E-01	1.43E-01	1.15E-01	1.13E+00
4026	486863.09	3854377.25	1.81099	0.50228	0.9457	1.59123	2.96E-01	3.90E-01	1.83E-01	1.17E-01	9.86E-01	2.92E-01	1.69E-05	2.01E-03	3.43E-03	2.97E-01	3.54E-01	3.90E-01	1.83E-01	1.17E-01	1.04E+00
4027	487363.09	3854377.25	1.90156	0.54925	1.0494	1.55506	3.11E-01	4.26E-01	2.03E-01	1.14E-01	1.06E+00	3.06E-01	1.85E-05	2.23E-03	3.35E-03	3.12E-01	3.72E-01	4.26E-01	2.03E-01	1.14E-01	1.12E+00
4028	487863.09	3854377.25	2.35672	0.56218	0.9325	1.61631	3.85E-01	4.36E-01	1.81E-01	1.19E-01	1.12E+00	3.80E-01	1.89E-05	1.98E-03	3.48E-03	3.85E-01	4.61E-01	4.36E-01	1.81E-01	1.19E-01	1.20E+00
4029	488363.09	3854377.25	2.78037	0.61745	1.0367	1.7539	4.55E-01	4.79E-01	2.01E-01	1.29E-01	1.26E+00	4.48E-01	2.07E-05	2.20E-03	3.78E-03	4.54E-01	5.44E-01	4.79E-01	2.01E-01	1.29E-01	1.35E+00
4030	488863.09	3854377.25	3.14532	0.58323	1.1646	1.95391	5.14E-01	4.52E-01	2.26E-01	1.44E-01	1.34E+00	5.07E-01	1.96E-05	2.48E-03	4.21E-03	5.14E-01	6.15E-01	4.52E-01	2.26E-01	1.44E-01	1.44E+00
4031	489363.09	3854377.25	3.31327	0.55332	1.4886	1.85562	5.42E-01	4.29E-01	2.89E-01	1.37E-01	1.40E+00	5.34E-01	1.86E-05	3.17E-03	3.99E-03	5.41E-01	6.48E-01	4.29E-01	2.89E-01	1.37E-01	1.50E+00
4032	489863.09	3854377.25	3.27325	0.60407	1.344	1.93925	5.35E-01	4.69E-01	2.61E-01	1.43E-01	1.41E+00	5.27E-01	2.03E-05	2.86E-03	4.17E-03	5.34E-01	6.41E-01	4.69E-01	2.61E-01	1.43E-01	1.51E+00
4033	490363.09	3854377.25	3.10749	0.54578	1.3272	1.91393	5.08E-01	4.23E-01	2.57E-01	1.41E-01	1.33E+00	5.01E-01	1.83E-05	2.82E-03	4.12E-03	5.08E-01	6.08E-01	4.23E-01	2.57E-01	1.41E-01	1.43E+00
4034	490863.09	3854377.25	1.70741	0.45258	1.5639	1.71546	2.79E-01	3.51E-01	3.03E-01	1.26E-01	1.06E+00	2.75E-01	1.52E-05	3.33E-03	3.69E-03	2.82E-01	3.34E-01	3.51E-01	3.03E-01	1.26E-01	1.11E+00
4035	491363.09	3854377.25	2.48042	0.48034	2.5719	1.74054	4.06E-01	3.73E-01	4.99E-01	1.28E-01	1.41E+00	4.00E-01	1.61E-05	5.47E-03	3.75E-03	4.09E-01	4.85E-01	3.73E-01	4.99E-01	1.28E-01	1.48E+00
4036	491863.09	3854377.25	3.12439	0.55936	3.0958	1.85063	5.11E-01	4.34E-01	6.00E-01	1.36E-01	1.68E+00	5.03E-01	1.88E-05	6.58E-03	3.98E-03	5.14E-01	6.11E-01	4.34E-01	6.00E-01	1.36E-01	1.78E+00
4037	492363.09	3854377.25	3.33549	0.58686	3.5568	1.80335	5.46E-01	4.55E-01	6.90E-01	1.33E-01	1.82E+00	5.37E-01	1.97E-05	7.56E-03	3.88E-03	5.49E-01	6.53E-01	4.55E-01	6.90E-01	1.33E-01	1.93E+00
4038	492863.09	3854377.25	3.19631	0.57618	2.9921	1.77683	5.23E-01	4.47E-01	5.80E-01	1.31E-01	1.68E+00	5.15E-01	1.94E-05	6.36E-03	3.83E-03	5.25E-01	6.25E-01	4.47E-01	5.80E-01	1.31E-01	1.78E+00
4039	493363.09	3854377.25	2.86594	0.52452	3.1575	1.7454	4.69E-01	4.07E-01	6.12E-01	1.29E-01	1.62E+00	4.62E-01	1.76E-05	6.71E-03	3.76E-03	4.72E-01	5.61E-01	4.07E-01	6.12E-01	1.29E-01	1.71E+00
4040	493863.09	3854377.25	2.57737	0.46557	3.1702	1.61868	4.22E-01	3.61E-01	6.15E-01	1.19E-01	1.52E+00	4.15E-01	1.56E-05	6.74E-03	3.48E-03	4.26E-01	5.04E-01	3.61E-01	6.15E-01	1.19E-01	1.60E+00
4041	494363.09	3854377.25	2.28688	0.44364	3.4911	1.5941	3.74E-01	3.44E-01	6.77E-01	1.17E-01	1.51E+00	3.68E-01	1.49E-05	7.42E-03	3.43E-03	3.79E-01	4.47E-01	3.44E-01	6.77E-01	1.17E-01	1.59E+00
4042	494863.09	3854377.25	1.26629	0.35446	4.202	1.30016	2.07E-01	2.75E-01	8.15E-01	9.57E-02	1.39E+00	2.04E-01	1.19E-05	8.93E-03	2.80E-03	2.16E-01	2.48E-01	2.75E-01	8.15E-01	9.57E-02	1.43E+00
4043	495363.09	3854377.25	0.79363	0.30231	3.3977	1.13876	1.30E-01	2.35E-01	6.59E-01	8.38E-02	1.11E+00	1.28E-01	1.02E-05	7.22E-03	2.45E-03	1.38E-01	1.55E-01	2.35E-01	6.59E-01	8.38E-02	1.13E+00
4044	495863.09	3854377.25	0.6492	0.30686	3.8545	1.07241	1.06E-01	2.38E-01	7.47E-01	7.90E-02	1.17E+00	1.05E-01	1.03E-05	8.20E-03	2.31E-03	1.15E-01	1.27E-01	2.38E-01	7.47E-01	7.90E-02	1.19E+00
4045	496363.09	3854377.25	0.63868	0.28137	4.0512	1.02554	1.04E-01	2.18E-01	7.86E-01	7.55E-02	1.18E+00	1.03E-01	9.45E-06	8.61E-03	2.21E-03	1.14E-01	1.25E-01	2.18E-01	7.86E-01	7.55E-02	1.20E+00
4046	496863.09	3854377.25	0.60928	0.26785	3.8618	0.98309	9.97E-02	2.08E-01	7.49E-01	7.24E-02	1.13E+00	9.82E-02	9.00E-06	8.21E-03	2.12E-03	1.09E-01	1.19E-01	2.08E-01	7.49E-01	7.24E-02	1.15E+00
4047	497363.09	3854377.25	0.5273	0.24557	4.0899	0.8512	8.62E-02	1.90E-01	7.93E-01	6.27E-02	1.13E+00	8.50E-02	8.25E-06	8.70E-03	1.83E-03	9.55E-02	1.03E-01	1.90E-01	7.93E-01	6.27E-02	1.15E+00
4048	497863.09	3854377.25	0.53815	0.26087	4.2225	0.86806	8.80E-02	2.02E-01	8.19E-01	6.39E-02	1.17E+00	8.67E-02	8.76E-06	8.98E-03	1.87E-03	9.76E-02	1.05E-01	2.02E-01	8.19E-01	6.39E-02	1.19E+00
4049	498363.09	3854377.25	0.51155	0.23831	3.6419	0.72849	8.37E-02	1.85E-01	7.06E-01	5.36E-02	1.03E+00	8.24E-02	8.01E-06	7.74E-03	1.57E-03	9.17E-02	1.00E-01	1.85E-01	7.06E-01	5.36E-02	1.04E+00
4050	471363.09	3854877.25	1.83921	0.59899	0.3907	0.47031	3.01E-01	4.65E-01	7.58E-02	3.46E-02	8.76E-01	2.96E-01	2.01E-05	8.31E-04	1.01E-03	2.98E-01	3.60E-01	4.65E-01	7.58E-02	3.46E-02	9.35E-01
4051	471863.09	3854877.25	2.08929	0.63333	0.4013	0.49453	3.42E-01	4.91E-01	7.78E-02	3.64E-02	9.47E-01	3.37E-01	2.13E-05	8.53E-04	1.06E-03	3.39E-01	4.09E-01	4.91E-01	7.78E-02	3.64E-02	1.01E+00
4052	472363.09	3854877.25	2.20615	0.64648	0.4197	0.50632	3.61E-01	5.01E-01	8.14E-02	3.73E-02	9.81E-01	3.55E-01	2.17E-05	8.92E-04	1.09E-03	3.57E-01	4.32E-01	5.02E-01	8.14E-02	3.73E-02	1.05E+00
4053	472863.09	3854877.25	2.25673	0.65865	0.4822	0.52239	3.69E-01	5.11E-01	9.35E-02	3.85E-02	1.01E+00	3.64E-01	2.21E-05	1.03E-03	1.12E-03	3.66E-01	4.42E-01	5.11E-01	9.35E-02	3.85E-02	1.08E+00
4054	473363.09	3854877.25	2.45918	0.70635	0.5609	0.53745	4.02E-01	5.48E-01	1.09E-01	3.96E-02	1.10E+00	3.96E-01	2.37E-05	1.19E-03	1.16E-03	3.99E-01	4.81E-01	5.48E-01	1.09E-01	3.96E-02	1.18E+00
4055	473863.09	3854877.25	2.59474	0.753	0.6088	0.55494	4.24E-01	5.84E-01	1.18E-01	4.09E-02	1.17E+00	4.18E-01	2.53E-05	1.29E-03	1.19E-03	4.21E-01	5.08E-01	5.84E-01	1.18E-01	4.09E-02	1.25E+00
4056	474363.09	3854877.25	2.80199	0.82429	0.618	0.58732	4.58E-01	6.39E-01	1.20E-01	4.32E-02	1.26E+00	4.51E-01	2.77E-05	1.31E-03	1.26E-03	4.54E-01	5.48E-01	6.39E-01	1.20E-01	4.32E-02	1.35E+00
4057	474863.09	3854877.25	2.2354	0.60486	0.6055	0.61683	3.66E-01	4.69E-01	1.17E-01	4.54E-02	9.98E-01	3.60E-01	2.03E-05	1.29E-03	1.33E-03	3.63E-01	4.37E-01	4.69E-01	1.17E-01	4.54E-02	1.07E+00
4058	475363.09	3854877.25	1.44982	0.47563	0.5878	0.60021	2.37E-01	3.69E-01	1.14E-01	4.42E-02	7.64E-01	2.34E-01	1.60E-05	1.25E-03	1.29E-03	2.36E-01	2.84E-01	3.69E-01	1.14E-01	4.42E-02	8.11E-01
4059	475863.09	3854877.25	0.92971	0.39034	0.561	0.61955	1.52E-01	3.03E-01	1.09E-01	4.56E-02	6.09E-01	1.50E-01	1.31E-05	1.19E-03	1.33E-03	1.52E-01	1.82E-01	3.03E-01	1.09E-01	4.56E-02	6.39E-01
4060	476363.09	3854877.25	0.55175	0.30287	0.55	0.6526	9.02E-02	2.35E-01	1.07E-01	4.80E-02	4.80E-01	8.89E-02	1.02E-05	1.17E-03	1.40E-03	9.15E-02	1.08E-01	2.35E-01	1.07E-01	4.80E-02	4.98E-01
4061	476863.09	3854877.25	0.53549	0.29788	0.5593	0.7007	8.76E-02	2.31E-01	1.08E-01	5.16E-02	4.79E-01	8.63E-02	1.00E-05	1.19E-03	1.51E-03	8.90E-02	1.05E-01	2.31E-01	1.08E-01	5.16E-02	4.96E-01
4062	477363.09	3854877.25	0.65187	0.35539	0.6491	0.71825	1.07E-01	2.76E-01	1.26E-01	5.29E-02	5.61E-01	1.05E-01	1.19E-05	1.38E-03	1.55E-03	1.08E-01	1.28E-01	2.76E-01	1.26E-01	5.29E-02	5.82E-01
4063	477863.09	3854877.25	0.76336	0.39028	0.6949	0.7289	1.25E-01	3.03E-01	1.35E-01	5.37E-02	6.16E-01	1.23E-01	1.31E-05	1.48E-03	1.57E-03	1.26E-01	1.49E-01	3.03E-01	1.35E-01	5.37E-02	6.41E-01
4064	478363.09	3854877.25	1.02186	0.48945	0.7612	0.75033	1.67E-01	3.80E-01	1.48E-01	5.52E-02	7.50E-01	1.65E-01	1.64E-05	1.62E-03	1.62E-03	1.68E-01	2.00E-01	3.80E-01	1.48E-01	5.52E-02	7.82E-01
4065	478863.09	3854877.25	1.48762	0.64361	0.7596	0.77782	2.43E-01	4.99E-01	1.47E-01	5.73E-02	9.47E-01	2.40E-01	2.16E-05	1.62E-03	1.67E-03	2.43E-01	2.91E-01	4.99E-01	1.47E-01	5.73E-02	9.95E-01
4066	479363.09	3854877.25	2.38763	0.86924	0.7986	0.82446	3.91E-01	6.74E-01	1.55E-01	6.07E-02	1.28E+00	3.85E-01	2.92E-05	1.70E-03	1.77E-03	3.88E-01	4.67E-01	6.74E-01	1.55E-01	6.07E-02	1.36E+00
4067	479863.09	3854877.25	3.93419	1.25452	0.7834	0.84639	6.43E-01	9.73E-01	1.52E-01	6.23E-02	1.83E+00	6.34E-01	4.21E-05	1.67E-03	1.82E-03	6.37E-01	7.70E-01	9.73E-01	1.52E-01	6.23E-02	1.96E+00
4068	480363.09	3854877.25	5.71609	1.74141	0.7377	0.85114	9.35E-01	1.35E+00	1.43E-01	6.27E-02	2.49E+00	9.21E-01	5.85E-05	1.57E-03	1.83E-03	9.25E-01	1.12E+00	1.35E+00	1.43E-01	6.27E-02	2.68E+00
4069	480863.09	3854877.25	8.51225	2.84693	0.7022	0.88964	1.39E+00	2.21E+00	1.36E-01	6.55E-02	3.80E+00	1.37E+00	9.56E-05	1.49E-03	1.92E-03	1.38E+00	1.67E+00	2.21E+00	1.36E-01	6.55E-02	4.08E+00
4070	481363.09	3854877.25	10.3336	3.70651	0.6464	0.98336	1.69E+00	2.88E+00	1.25E-01	7.24E-02	4.76E+00	1.67E+00	1.25E-04	1.37E-03	2.12E-03	1.67E+00	2.02E+00	2.88E+00	1.25E-01	7.24E-02	5.10E+00
4071	481863.09	3854877.25	10.883	3.95901	0.7385	1.05571	1.78E+00	3.07E+00	1.43E-01	7.77E-02	5.07E+00	1.75E+00	1.33E-04	1.57E-03	2.27E-03	1.76E+00	2.13E+00	3.07E+00	1.43E-01	7.77E-02	5.42E+00
4072	482363.09	3854877.25	12.6358	12.9997	0.6379	1.23505	2.07E+00	1.01E+01	1.24E-01	9.09E-02	1.24E+01	2.04E+00	4.37E-04	1.36E-03	2.66E-03	2.04E+00	2.47E+00	1.01E+01	1.24E-01	9.09E-02	1.28E+01
4073	482863.09	3854877.25	14.053	11.9431	0.6272	2.93447	2.30E+00	9.26E+00	1.22E-01	2.16E-01	1.19E+01	2.26E+00	4.01E-04	1.33E-03	6.32E-03	2.27E+00	2.75E+00	9.26E+00	1.22E-01	2.16E-01	1.24E+01
4074	483363.09	3854877.25	13.2358	5.85852	0.5401	3.94597	2.16E+00	4.54E+00	1.05E-01	2.91E-01	7.10E+00	2.13E+00	1.97E-04	1.15E-03	8.49E-03	2.14E+00	2.59E+00	4.54E+00	1.05E-01	2.91E-01	7.53E+00
4075	483863.09	3854877.25	23.3447	3.41002	0.5384	3.35013	3.82E+00	2.65E+00	1.04E-01	2.47E-01	6.81E+00	3.76E+00	1.15E-04	1.14E-03	7.21E-03	3.77E+00	4.57E+00	2.65E+00	1.04E-01	2.47E-01	7.56E+00
4076	484363.09	3854877.25	26.8504	1.71836	0.5257	2.81702	4.39E+00	1.33E+00	1.02E-01	2.07E-01	6.03E+00	4.33E+00	5.77E-05	1.12E-03	6.06E-03	4.33E+00	5.25E+00	1.33E+00	1.02E-01	2.07E-01	6.90E+00
4077	484863.09	3854877.25	21.4741	1.48157	0.6391	2.16403	3.51E+00	1.15E+00	1.24E-01	1.59E-01	4.94E+00	3.46E+00	4.98E-05	1.36E-03	4.66E-03	3.47E+00	4.20E+00	1.15E+00	1.24E-01	1.59E-01	5.63E+00
4078	485363.09	3854877.25	10.3522	1.13692	0.6848	2.22787	1.69E+00	8.82E-01	1.33E-01	1.64E-01	2.87E+00	1.67E+00	3.82E-05	1.46E-03	4.80E-03	1.67E+00	2.03E+00	8.82E-01	1.33E-01	1.64E-01	3.20E+00
4079	485863.09	3854877.25	5.75402	0.84921	0.7721	2.03336	9.41E-01	6.59E-01	1.50E-01	1.50E-01	1.90E+00	9.27E-01	2.85E-05	1.64E-03	4.38E-03	9.33E-01	1.13E+00	6.59E-01	1.50E-01	1.50E-01	2.08E+00
4080	486363.09	3854877.25	3.68239	0.6903	1.011	1.98972	6.02E-01	5.35E-01	1.96E-01	1.46E-01	1.48E+00	5.93E-01	2.32E-05	2.15E-03	4.28E-03	6.00E-01	7.21E-01	5.35E-01	1.96E-01	1.46E-01	1.60E+00
4081	486863.09	3854877.25	2.92475	0.66648	0.955	2.18514	4.78E-01	5.17E-01	1.85E-01	1.61E-01	1.34E+00	4.71E-01	2.24E-05	2.03E-03	4.70E-03	4.78E-01	5.72E-01	5.17E-01	1.85E-01	1.61E-01	1.44E+00
4082	487363.09	3854877.25	3.54321	0.69622	1.3553	2.20373	5.80E-01	5.40E-01	2.63E-01	1.62E-01	1.54E+00	5.71E-01	2.34E-05	2.88E-03	4.74E-03	5.79E-01	6.93E-01	5.40E-01	2.63E-01	1.62E-01	1.66E+00
4083	487863.09	3854877.25	4.3046	0.68956	1.1356	2.16825	7.04E-01	5.35E-01	2.20E-01	1.60E-01	1.62E+00	6.94E-01	2.32E-05	2.41E-03	4.67E-03	7.01E-01	8.42E-01	5.35E-01	2.20E-01	1.60E-01	1.76E+00

4084	488363.09	3854877.25	4.94896	0.77498	1.2163	2.23995	8.09E-01	6.01E-01	2.36E-01	1.65E-01	1.81E+00	7.97E-01	2.60E-05	2.59E-03	4.82E-03	8.05E-01	9.68E-01	6.01E-01	2.36E-01	1.65E-01	1.97E+00
4085	488863.09	3854877.25	5.69551	0.72086	1.4862	2.30471	9.32E-01	5.59E-01	2.88E-01	1.70E-01	1.95E+00	9.18E-01	2.42E-05	3.16E-03	4.96E-03	9.26E-01	1.11E+00	5.59E-01	2.88E-01	1.70E-01	2.13E+00
4086	489363.09	3854877.25	5.68031	0.83903	1.3819	2.24764	9.29E-01	6.51E-01	2.68E-01	1.65E-01	2.01E+00	9.15E-01	2.82E-05	2.94E-03	4.84E-03	9.23E-01	1.11E+00	6.51E-01	2.68E-01	1.65E-01	2.20E+00
4087	489863.09	3854877.25	4.88673	0.75725	1.4496	2.10881	7.99E-01	5.87E-01	2.81E-01	1.55E-01	1.82E+00	7.87E-01	2.54E-05	3.08E-03	4.54E-03	7.95E-01	9.56E-01	5.87E-01	2.81E-01	1.55E-01	1.98E+00
4088	490363.09	3854877.25	2.13654	0.51911	1.7618	1.99268	3.49E-01	4.03E-01	3.42E-01	1.47E-01	1.24E+00	3.44E-01	1.74E-05	3.75E-03	4.29E-03	3.52E-01	4.18E-01	4.03E-01	3.42E-01	1.47E-01	1.31E+00
4089	490863.09	3854877.25	1.19082	0.40151	2.7212	1.49147	1.95E-01	3.11E-01	5.28E-01	1.10E-01	1.14E+00	1.92E-01	1.35E-05	5.79E-03	3.21E-03	2.01E-01	2.33E-01	3.11E-01	5.28E-01	1.10E-01	1.18E+00
4090	491363.09	3854877.25	1.31167	0.43201	3.5889	1.57674	2.15E-01	3.35E-01	6.96E-01	1.16E-01	1.36E+00	2.11E-01	1.45E-05	7.63E-03	3.39E-03	2.22E-01	2.57E-01	3.35E-01	6.96E-01	1.16E-01	1.40E+00
4091	491863.09	3854877.25	4.22227	0.67283	4.3175	1.93346	6.91E-01	5.22E-01	8.37E-01	1.42E-01	2.19E+00	6.80E-01	2.26E-05	9.18E-03	4.16E-03	6.94E-01	8.26E-01	5.22E-01	8.37E-01	1.42E-01	2.33E+00
4092	492363.09	3854877.25	4.31379	0.74694	3.7291	2.06015	7.06E-01	5.79E-01	7.23E-01	1.52E-01	2.16E+00	6.95E-01	2.51E-05	7.93E-03	4.43E-03	7.07E-01	8.44E-01	5.79E-01	7.23E-01	1.52E-01	2.30E+00
4093	492863.09	3854877.25	3.96511	0.66886	3.7532	2.06976	6.49E-01	5.19E-01	7.28E-01	1.52E-01	2.05E+00	6.39E-01	2.25E-05	7.98E-03	4.46E-03	6.51E-01	7.76E-01	5.19E-01	7.28E-01	1.52E-01	2.17E+00
4094	493363.09	3854877.25	3.42329	0.57793	3.8552	2.07542	5.60E-01	4.48E-01	7.48E-01	1.53E-01	1.91E+00	5.52E-01	1.94E-05	8.20E-03	4.47E-03	5.64E-01	6.70E-01	4.48E-01	7.48E-01	1.53E-01	2.02E+00
4095	493863.09	3854877.25	3.05342	0.53328	4.9216	1.97726	4.99E-01	4.14E-01	9.54E-01	1.46E-01	2.01E+00	4.92E-01	1.79E-05	1.05E-02	4.26E-03	5.07E-01	5.97E-01	4.14E-01	9.54E-01	1.46E-01	2.11E+00
4096	494363.09	3854877.25	1.44776	0.38434	4.7115	1.48741	2.37E-01	2.98E-01	9.14E-01	1.10E-01	1.56E+00	2.33E-01	1.29E-05	1.00E-02	3.20E-03	2.47E-01	2.83E-01	2.98E-01	9.14E-01	1.10E-01	1.60E+00
4097	494863.09	3854877.25	0.78945	0.33351	4.5822	1.17303	1.29E-01	2.59E-01	8.89E-01	8.64E-02	1.36E+00	1.27E-01	1.12E-05	9.74E-03	2.53E-03	1.39E-01	1.54E-01	2.59E-01	8.89E-01	8.64E-02	1.39E+00
4098	495363.09	3854877.25	0.6614	0.29398	4.6389	1.02343	1.08E-01	2.28E-01	9.00E-01	7.53E-02	1.31E+00	1.07E-01	9.88E-06	9.86E-03	2.20E-03	1.19E-01	1.29E-01	2.28E-01	9.00E-01	7.53E-02	1.33E+00
4099	495863.09	3854877.25	0.60954	0.27449	4.6172	0.96808	9.97E-02	2.13E-01	8.95E-01	7.13E-02	1.28E+00	9.82E-02	9.22E-06	9.82E-03	2.08E-03	1.10E-01	1.19E-01	2.13E-01	8.95E-01	7.13E-02	1.30E+00
4100	496363.09	3854877.25	0.54817	0.24186	4.6773	0.84401	8.97E-02	1.88E-01	9.07E-01	6.21E-02	1.25E+00	8.83E-02	8.12E-06	9.94E-03	1.82E-03	1.00E-01	1.07E-01	1.88E-01	9.07E-01	6.21E-02	1.26E+00
4101	496863.09	3854877.25	0.51091	0.23948	4.1603	0.77063	8.36E-02	1.86E-01	8.07E-01	5.67E-02	1.13E+00	8.23E-02	8.04E-06	8.85E-03	1.66E-03	9.28E-02	1.00E-01	1.86E-01	8.07E-01	5.67E-02	1.15E+00
4102	497363.09	3854877.25	0.47594	0.24262	4.2354	0.75356	7.78E-02	1.88E-01	8.21E-01	5.55E-02	1.14E+00	7.67E-02	8.15E-06	9.01E-03	1.62E-03	8.73E-02	9.31E-02	1.88E-01	8.21E-01	5.55E-02	1.16E+00
4103	497863.09	3854877.25	0.49175	0.24676	4.5842	0.77767	8.04E-02	1.91E-01	8.89E-01	5.73E-02	1.22E+00	7.92E-02	8.29E-06	9.75E-03	1.67E-03	9.07E-02	9.62E-02	1.91E-01	8.89E-01	5.73E-02	1.23E+00
4104	498363.09	3854877.25	0.48463	0.24192	4.4247	0.79545	7.93E-02	1.88E-01	8.58E-01	5.86E-02	1.18E+00	7.81E-02	8.13E-06	9.41E-03	1.71E-03	8.92E-02	9.48E-02	1.88E-01	8.58E-01	5.86E-02	1.20E+00
4105	471363.09	3855377.25	1.98644	0.65119	0.365	0.49344	3.25E-01	5.05E-01	7.08E-02	3.63E-02	9.37E-01	3.20E-01	2.19E-05	7.76E-04	1.06E-03	3.22E-01	3.89E-01	5.05E-01	7.08E-02	3.63E-02	1.00E+00
4106	471863.09	3855377.25	2.04144	0.64218	0.3904	0.51952	3.34E-01	4.98E-01	7.57E-02	3.82E-02	9.46E-01	3.29E-01	2.16E-05	8.30E-04	1.12E-03	3.31E-01	3.99E-01	4.98E-01	7.57E-02	3.82E-02	1.01E+00
4107	472363.09	3855377.25	2.19463	0.68789	0.4071	0.54989	3.59E-01	5.34E-01	7.89E-02	4.05E-02	1.01E+00	3.54E-01	2.31E-05	8.66E-04	1.18E-03	3.56E-01	4.29E-01	5.34E-01	7.89E-02	4.05E-02	1.08E+00
4108	472863.09	3855377.25	2.23383	0.70351	0.4205	0.56633	3.65E-01	5.46E-01	8.15E-02	4.17E-02	1.03E+00	3.60E-01	2.36E-05	8.94E-04	1.22E-03	3.62E-01	4.37E-01	5.46E-01	8.15E-02	4.17E-02	1.11E+00
4109	473363.09	3855377.25	2.45617	0.75733	0.4334	0.58205	4.02E-01	5.87E-01	8.40E-02	4.29E-02	1.12E+00	3.96E-01	2.54E-05	9.22E-04	1.25E-03	3.98E-01	4.81E-01	5.87E-01	8.40E-02	4.29E-02	1.20E+00
4110	473863.09	3855377.25	2.6366	0.78494	0.4448	0.59777	4.31E-01	6.09E-01	8.63E-02	4.40E-02	1.17E+00	4.25E-01	2.64E-05	9.46E-04	1.29E-03	4.27E-01	5.16E-01	6.09E-01	8.63E-02	4.40E-02	1.26E+00
4111	474363.09	3855377.25	2.78184	0.80341	0.4595	0.6087	4.55E-01	6.23E-01	8.91E-02	4.48E-02	1.21E+00	4.48E-01	2.70E-05	9.77E-04	1.31E-03	4.51E-01	5.44E-01	6.23E-01	8.91E-02	4.48E-02	1.30E+00
4112	474863.09	3855377.25	2.23078	0.60737	0.5306	0.61672	3.65E-01	4.71E-01	1.03E-01	4.54E-02	9.84E-01	3.59E-01	2.04E-05	1.13E-03	1.33E-03	3.62E-01	4.37E-01	4.71E-01	1.03E-01	4.54E-02	1.06E+00
4113	475363.09	3855377.25	0.77826	0.33154	0.5893	0.60064	1.27E-01	2.57E-01	1.14E-01	4.42E-02	5.43E-01	1.25E-01	1.11E-05	1.25E-03	1.29E-03	1.28E-01	1.52E-01	2.57E-01	1.14E-01	4.42E-02	5.68E-01
4114	475863.09	3855377.25	0.56366	0.29838	0.6887	0.6011	9.22E-02	2.31E-01	1.34E-01	4.43E-02	5.01E-01	9.08E-02	1.00E-05	1.46E-03	1.29E-03	9.36E-02	1.10E-01	2.31E-01	1.34E-01	4.43E-02	5.20E-01
4115	476363.09	3855377.25	0.65036	0.32539	0.7179	0.62592	1.06E-01	2.52E-01	1.39E-01	4.61E-02	5.44E-01	1.05E-01	1.09E-05	1.53E-03	1.35E-03	1.08E-01	1.27E-01	2.52E-01	1.39E-01	4.61E-02	5.65E-01
4116	476863.09	3855377.25	0.63385	0.32751	0.7092	0.63625	1.04E-01	2.54E-01	1.38E-01	4.68E-02	5.42E-01	1.02E-01	1.10E-05	1.51E-03	1.37E-03	1.05E-01	1.24E-01	2.54E-01	1.38E-01	4.68E-02	5.62E-01
4117	477363.09	3855377.25	0.68118	0.35055	0.6962	0.6861	1.11E-01	2.72E-01	1.35E-01	5.05E-02	5.69E-01	1.10E-01	1.18E-05	1.48E-03	1.48E-03	1.13E-01	1.33E-01	2.72E-01	1.35E-01	5.05E-02	5.91E-01
4118	477863.09	3855377.25	0.86146	0.4094	0.7062	0.71694	1.41E-01	3.18E-01	1.37E-01	5.28E-02	6.48E-01	1.39E-01	1.38E-05	1.50E-03	1.54E-03	1.42E-01	1.69E-01	3.18E-01	1.37E-01	5.28E-02	6.76E-01
4119	478363.09	3855377.25	1.10874	0.48566	0.7483	0.75055	1.81E-01	3.77E-01	1.45E-01	5.53E-02	7.58E-01	1.79E-01	1.63E-05	1.59E-03	1.62E-03	1.82E-01	2.17E-01	3.77E-01	1.45E-01	5.53E-02	7.94E-01
4120	478863.09	3855377.25	1.40038	0.56493	0.7744	0.81547	2.29E-01	4.38E-01	1.50E-01	6.00E-02	8.77E-01	2.26E-01	1.90E-05	1.65E-03	1.76E-03	2.29E-01	2.74E-01	4.38E-01	1.50E-01	6.00E-02	9.22E-01
4121	479363.09	3855377.25	2.02109	0.73666	0.9665	0.92962	3.31E-01	5.71E-01	1.87E-01	6.84E-02	1.16E+00	3.26E-01	2.47E-05	2.05E-03	2.00E-03	3.30E-01	3.95E-01	5.71E-01	1.87E-01	6.84E-02	1.22E+00
4122	479863.09	3855377.25	2.97318	0.93028	1.0183	1.00842	4.86E-01	7.22E-01	1.97E-01	7.42E-02	1.48E+00	4.79E-01	3.12E-05	2.17E-03	2.17E-03	4.83E-01	5.82E-01	7.22E-01	1.97E-01	7.42E-02	1.58E+00
4123	480363.09	3855377.25	5.31049	1.3756	1.0202	1.03927	8.69E-01	1.07E+00	1.98E-01	7.65E-02	2.21E+00	8.56E-01	4.62E-05	2.17E-03	2.24E-03	8.60E-01	1.04E+00	1.07E+00	1.98E-01	7.65E-02	2.38E+00
4124	480863.09	3855377.25	8.01222	2.53254	1.0589	1.21463	1.31E+00	1.96E+00	2.05E-01	8.94E-02	3.57E+00	1.29E+00	8.51E-05	2.25E-03	2.61E-03	1.30E+00	1.57E+00	1.96E+00	2.05E-01	8.94E-02	3.83E+00
4125	481363.09	3855377.25	9.77345	4.66723	0.9712	1.23045	1.60E+00	3.62E+00	1.88E-01	9.06E-02	5.50E+00	1.57E+00	1.57E-04	2.06E-03	2.65E-03	1.58E+00	1.91E+00	3.62E+00	1.88E-01	9.06E-02	5.81E+00
4126	481863.09	3855377.25	10.8324	7.91023	0.9397	1.31082	1.77E+00	6.14E+00	1.82E-01	9.65E-02	8.19E+00	1.75E+00	2.66E-04	2.00E-03	2.82E-03	1.75E+00	2.12E+00	6.14E+00	1.82E-01	9.65E-02	8.53E+00
4127	482363.09	3855377.25	11.8758	12.1955	0.8523	1.34045	1.94E+00	9.46E+00	1.65E-01	9.87E-02	1.17E+01	1.91E+00	4.10E-04	1.81E-03	2.89E-03	1.92E+00	2.32E+00	9.46E+00	1.65E-01	9.87E-02	1.20E+01
4128	482863.09	3855377.25	13.8417	17.4036	0.9638	2.00023	2.26E+00	1.35E+01	1.87E-01	1.47E-01	1.61E+01	2.23E+00	5.85E-04	2.05E-03	4.31E-03	2.24E+00	2.71E+00	1.35E+01	1.87E-01	1.47E-01	1.65E+01
4129	483363.09	3855377.25	16.3039	11.8051	0.7727	2.31981	2.67E+00	9.16E+00	1.50E-01	1.71E-01	1.21E+01	2.63E+00	3.97E-04	1.64E-03	4.99E-03	2.63E+00	3.19E+00	9.16E+00	1.50E-01	1.71E-01	1.27E+01
4130	483863.09	3855377.25	20.1009	6.9497	0.7248	1.97717	3.29E+00	5.39E+00	1.41E-01	1.46E-01	8.96E+00	3.24E+00	2.33E-04	1.54E-03	4.26E-03	3.24E+00	3.93E+00	5.39E+00	1.41E-01	1.46E-01	9.61E+00
4131	484363.09	3855377.25	36.0718	3.90497	0.6234	1.80897	5.90E+00	3.03E+00	1.21E-01	1.33E-01	9.18E+00	5.81E+00	1.31E-04	1.33E-03	3.89E-03	5.82E+00	7.06E+00	3.03E+00	1.21E-01	1.33E-01	1.03E+01
4132	484863.09	3855377.25	58.0231	2.30008	0.6287	1.95638	9.49E+00	1.78E+00	1.22E-01	1.44E-01	1.15E+01	9.35E+00	7.73E-05	1.34E-03	4.21E-03	9.35E+00	1.14E+01	1.78E+00	1.22E-01	1.44E-01	1.34E+01
4133	485363.09	3855377.25	30.6136	1.99419	0.7974	2.37246	5.01E+00	1.55E+00	1.55E-01	1.75E-01	6.88E+00	4.93E+00	6.70E-05	1.70E-03	5.11E-03	4.94E+00	5.99E+00	1.55E+00	1.55E-01	1.75E-01	7.87E+00
4134	485863.09	3855377.25	17.8634	1.51015	0.8373	2.83462	2.92E+00	1.17E+00	1.62E-01	2.09E-01	4.46E+00	2.88E+00	5.07E-05	1.78E-03	6.10E-03	2.89E+00	3.50E+00	1.17E+00	1.62E-01	2.09E-01	5.04E+00
4135	486363.09	3855377.25	10.0184	1.04839	1.0759	3.10232	1.64E+00	8.13E-01	2.09E-01	2.28E-01	2.89E+00	1.61E+00	3.52E-05	2.29E-03	6.68E-03	1.62E+00	1.96E+00	8.13E-01	2.09E-01	2.28E-01	3.21E+00
4136	486863.09	3855377.25	6.51123	0.86716	1.059	3.20998	1.06E+00	6.73E-01	2.05E-01	2.36E-01	2.18E+00	1.05E+00	2.91E-05	2.25E-03	6.91E-03	1.06E+00	1.27E+00	6.73E-01	2.05E-01	2.36E-01	2.39E+00
4137	487363.09	3855377.25	7.69346	0.94499	1.5235	3.00478	1.26E+00	7.33E-01	2.95E-01	2.21E-01	2.51E+00	1.24E+00	3.17E-05	3.24E-03	6.47E-03	1.25E+00	1.51E+00	7.33E-01	2.95E-01	2.21E-01	2.76E+00
4138	487863.09	3855377.25	8.19299	0.95819	1.3985	2.66162	1.34E+00	7.43E-01	2.71E-01	1.96E-01	2.55E+00	1.32E+00	3.22E-05	2.97E-03	5.73E-03	1.33E+00	1.60E+00	7.43E-01	2.71E-01	1.96E-01	2.81E+00
4139	488363.09	3855377.25	8.41477	1.02628	1.4503	2.81229	1.38E+00	7.96E-01	2.81E-01	2.07E-01	2.66E+00	1.36E+00	3.45E-05	3.08E-03	6.05E-03	1.37E+00	1.65E+00	7.96E-01	2.81E-01	2.07E-01	2.93E+00
4140	488863.09	3855377.25	8.44146	0.98975	2.307	2.69587	1.38E+00	7.68E-01	4.47E-01	1.98E-01	2.79E+00	1.36E+00	3.32E-05	4.91E-03	5.80E-03	1.37E+00	1.65E+00	7.68E-01	4.47E-01	1.98E-01	3.07E+00
4141	489363.09	3855377.25	7.95434	1.12062	1.9081	2.61637	1.30E+00	8.69E-01	3.70E-01	1.93E-01	2.73E+00	1.28E+00	3.76E-05	4.06E-03	5.63E-03	1.29E+00	1.56E+00	8.69E-01	3.70E-01	1.93E-01	2.99E+00
4142	489863.09	3855377.25	7.09488	1.01884	1.9558	2.69103	1.16E+00	7.90E-01	3.79E-01	1.98E-01	2.53E+00	1.14E+00	3.42E-05	4.16E-03	5.79E-03	1.15E+00	1.39E+00	7.90E-01	3.79E-01	1.98E-01	2.76E+00
4143	490363.09	3855377.25	6.96866	1.09746	3.1831	2.54259	1.14E+00	8.51E-01	6.17E-01	1.87E-01	2.80E+00	1.12E+00	3.69E-05	6.77E-03	5.47E-03	1.14E+00	1.36E+00	8.51E-01	6.17E-01	1.87E-01	3.02E+00
4144	490863.09	3855377.25	2.13918	0.52694	4.3151	2.18209	3.50E-01	4.09E-01	8.37E-01	1.61E-01	1.76E+00	3.45E-01	1.77E-05	9.17E-03	4.70E-03	3.59E-01	4.19E-01	4.09E-01	8.37E-01	1.61E-01	1.82E+00

4145	491363.09	3855377.25	1.51987	0.46987	5.0598	1.82092	2.49E-01	3.64E-01	9.81E-01	1.34E-01	1.73E+00	2.45E-01	1.58E-05	1.08E-02	3.92E-03	2.60E-01	2.97E-01	3.64E-01	9.81E-01	1.34E-01	1.78E+00
4146	491863.09	3855377.25	5.25189	0.86633	4.8762	2.37456	8.59E-01	6.72E-01	9.46E-01	1.75E-01	2.65E+00	8.46E-01	2.91E-05	1.04E-02	5.11E-03	8.62E-01	1.03E+00	6.72E-01	9.46E-01	1.75E-01	2.82E+00
4147	492363.09	3855377.25	5.14514	0.86348	4.5087	2.33672	8.42E-01	6.70E-01	8.74E-01	1.72E-01	2.56E+00	8.29E-01	2.90E-05	9.59E-03	5.03E-03	8.44E-01	1.01E+00	6.70E-01	8.74E-01	1.72E-01	2.72E+00
4148	492863.09	3855377.25	4.65371	0.76548	5.5665	2.14983	7.61E-01	5.94E-01	1.08E+00	1.58E-01	2.59E+00	7.50E-01	2.57E-05	1.18E-02	4.63E-03	7.66E-01	9.11E-01	5.94E-01	1.08E+00	1.58E-01	2.74E+00
4149	493363.09	3855377.25	3.56315	0.59781	6.9398	2.00124	5.83E-01	4.64E-01	1.35E+00	1.47E-01	2.54E+00	5.74E-01	2.01E-05	1.48E-02	4.31E-03	5.93E-01	6.97E-01	4.64E-01	1.35E+00	1.47E-01	2.65E+00
4150	493863.09	3855377.25	1.74197	0.40236	6.6292	1.48206	2.85E-01	3.12E-01	1.29E+00	1.09E-01	1.99E+00	2.81E-01	1.35E-05	1.41E-02	3.19E-03	2.98E-01	3.41E-01	3.12E-01	1.29E+00	1.09E-01	2.05E+00
4151	494363.09	3855377.25	0.8815	0.35616	6.0804	1.23285	1.44E-01	2.76E-01	1.18E+00	9.08E-02	1.69E+00	1.42E-01	1.20E-05	1.29E-02	2.65E-03	1.58E-01	1.72E-01	2.76E-01	1.18E+00	9.08E-02	1.72E+00
4152	494863.09	3855377.25	0.64036	0.3036	5.5919	1.01352	1.05E-01	2.36E-01	1.08E+00	7.46E-02	1.50E+00	1.03E-01	1.02E-05	1.19E-02	2.18E-03	1.17E-01	1.25E-01	2.36E-01	1.08E+00	7.46E-02	1.52E+00
4153	495363.09	3855377.25	0.55805	0.27403	4.9286	0.94788	9.13E-02	2.13E-01	9.56E-01	6.98E-02	1.33E+00	8.99E-02	9.21E-06	1.05E-02	2.04E-03	1.02E-01	1.09E-01	2.13E-01	9.56E-01	6.98E-02	1.35E+00
4154	495863.09	3855377.25	0.50292	0.23528	5.0223	0.85015	8.23E-02	1.83E-01	9.74E-01	6.26E-02	1.30E+00	8.10E-02	7.90E-06	1.07E-02	1.83E-03	9.36E-02	9.84E-02	1.83E-01	9.74E-01	6.26E-02	1.32E+00
4155	496363.09	3855377.25	0.47208	0.23754	4.9062	0.78933	7.72E-02	1.84E-01	9.51E-01	5.81E-02	1.27E+00	7.61E-02	7.98E-06	1.04E-02	1.70E-03	8.82E-02	9.24E-02	1.84E-01	9.51E-01	5.81E-02	1.29E+00
4156	496863.09	3855377.25	0.45209	0.23802	4.6322	0.79709	7.39E-02	1.85E-01	8.98E-01	5.87E-02	1.22E+00	7.28E-02	8.00E-06	9.85E-03	1.72E-03	8.44E-02	8.85E-02	1.85E-01	8.98E-01	5.87E-02	1.23E+00
4157	497363.09	3855377.25	0.45794	0.2409	4.7766	0.8232	7.49E-02	1.87E-01	9.26E-01	6.06E-02	1.25E+00	7.38E-02	8.09E-06	1.02E-02	1.77E-03	8.57E-02	8.96E-02	1.87E-01	9.26E-01	6.06E-02	1.26E+00
4158	497863.09	3855377.25	0.46288	0.24711	5.1655	0.85483	7.57E-02	1.92E-01	1.00E+00	6.29E-02	1.33E+00	7.46E-02	8.30E-06	1.10E-02	1.84E-03	8.74E-02	9.06E-02	1.92E-01	1.00E+00	6.29E-02	1.35E+00
4159	498363.09	3855377.25	0.47599	0.2573	5.4124	0.89356	7.79E-02	2.00E-01	1.05E+00	6.58E-02	1.39E+00	7.67E-02	8.64E-06	1.15E-02	1.92E-03	9.01E-02	9.31E-02	2.00E-01	1.05E+00	6.58E-02	1.41E+00
4160	471363.09	3855877.25	1.99241	0.7134	0.2991	0.55712	3.26E-01	5.53E-01	5.80E-02	4.10E-02	9.78E-01	3.21E-01	2.40E-05	6.36E-04	1.20E-03	3.23E-01	3.90E-01	5.53E-01	5.80E-02	4.10E-02	1.04E+00
4161	471863.09	3855877.25	2.03592	0.72156	0.2975	0.56976	3.33E-01	5.60E-01	5.77E-02	4.19E-02	9.92E-01	3.28E-01	2.42E-05	6.32E-04	1.23E-03	3.30E-01	3.98E-01	5.60E-01	5.77E-02	4.19E-02	1.06E+00
4162	472363.09	3855877.25	2.16371	0.78437	0.3018	0.59601	3.54E-01	6.08E-01	5.85E-02	4.39E-02	1.06E+00	3.49E-01	2.63E-05	6.42E-04	1.28E-03	3.51E-01	4.23E-01	6.08E-01	5.85E-02	4.39E-02	1.13E+00
4163	472863.09	3855877.25	2.17345	0.74	0.3102	0.61881	3.55E-01	5.74E-01	6.02E-02	4.56E-02	1.04E+00	3.50E-01	2.49E-05	6.60E-04	1.33E-03	3.52E-01	4.25E-01	5.74E-01	6.02E-02	4.56E-02	1.11E+00
4164	473363.09	3855877.25	2.35214	0.82994	0.3482	0.6301	3.85E-01	6.44E-01	6.75E-02	4.64E-02	1.14E+00	3.79E-01	2.79E-05	7.40E-04	1.36E-03	3.81E-01	4.60E-01	6.44E-01	6.75E-02	4.64E-02	1.22E+00
4165	473863.09	3855877.25	2.48266	0.86119	0.411	0.63942	4.06E-01	6.68E-01	7.97E-02	4.71E-02	1.20E+00	4.00E-01	2.89E-05	8.74E-04	1.38E-03	4.02E-01	4.86E-01	6.68E-01	7.97E-02	4.71E-02	1.28E+00
4166	474363.09	3855877.25	2.585	0.85106	0.4588	0.66107	4.23E-01	6.60E-01	8.90E-02	4.87E-02	1.22E+00	4.17E-01	2.86E-05	9.75E-04	1.42E-03	4.19E-01	5.06E-01	6.60E-01	8.90E-02	4.87E-02	1.30E+00
4167	474863.09	3855877.25	2.05231	0.59323	0.4774	0.67769	3.36E-01	4.60E-01	9.26E-02	4.99E-02	9.38E-01	3.31E-01	1.99E-05	1.02E-03	1.46E-03	3.33E-01	4.02E-01	4.60E-01	9.26E-02	4.99E-02	1.00E+00
4168	475363.09	3855877.25	0.9854	0.38947	0.4769	0.65622	1.61E-01	3.02E-01	9.25E-02	4.83E-02	6.04E-01	1.59E-01	1.31E-05	1.01E-03	1.41E-03	1.61E-01	1.93E-01	3.02E-01	9.25E-02	4.83E-02	6.36E-01
4169	475863.09	3855877.25	0.431	0.23835	0.481	0.57379	7.05E-02	1.85E-01	9.33E-02	4.22E-02	3.91E-01	6.94E-02	8.01E-06	1.02E-03	1.24E-03	7.17E-02	8.43E-02	1.85E-01	9.33E-02	4.22E-02	4.05E-01
4170	476363.09	3855877.25	0.44758	0.24656	0.5006	0.61126	7.32E-02	1.91E-01	9.71E-02	4.50E-02	4.07E-01	7.21E-02	8.28E-06	1.06E-03	1.32E-03	7.45E-02	8.76E-02	1.91E-01	9.71E-02	4.50E-02	4.21E-01
4171	476863.09	3855877.25	0.64461	0.33395	0.5458	0.70103	1.05E-01	2.59E-01	1.06E-01	5.16E-02	5.22E-01	1.04E-01	1.12E-05	1.16E-03	1.51E-03	1.07E-01	1.26E-01	2.59E-01	1.06E-01	5.16E-02	5.43E-01
4172	477363.09	3855877.25	0.76764	0.36737	0.6619	0.72702	1.26E-01	2.85E-01	1.28E-01	5.35E-02	5.92E-01	1.24E-01	1.23E-05	1.41E-03	1.57E-03	1.27E-01	1.50E-01	2.85E-01	1.28E-01	5.35E-02	6.17E-01
4173	477863.09	3855877.25	0.90332	0.40528	0.8167	0.74497	1.48E-01	3.14E-01	1.58E-01	5.48E-02	6.75E-01	1.46E-01	1.36E-05	1.74E-03	1.60E-03	1.49E-01	1.77E-01	3.14E-01	1.58E-01	5.48E-02	7.04E-01
4174	478363.09	3855877.25	1.13214	0.48864	0.9795	0.76712	1.85E-01	3.79E-01	1.90E-01	5.65E-02	8.11E-01	1.82E-01	1.64E-05	2.08E-03	1.65E-03	1.86E-01	2.22E-01	3.79E-01	1.90E-01	5.65E-02	8.47E-01
4175	478863.09	3855877.25	1.47324	0.57941	1.0018	0.83676	2.41E-01	4.49E-01	1.94E-01	6.16E-02	9.46E-01	2.37E-01	1.95E-05	2.13E-03	1.80E-03	2.41E-01	2.88E-01	4.49E-01	1.94E-01	6.16E-02	9.94E-01
4176	479363.09	3855877.25	2.32201	0.7107	1.0058	0.97329	3.80E-01	5.51E-01	1.95E-01	7.17E-02	1.20E+00	3.74E-01	2.39E-05	2.14E-03	2.10E-03	3.78E-01	4.54E-01	5.51E-01	1.95E-01	7.17E-02	1.27E+00
4177	479863.09	3855877.25	3.28426	0.87134	1.0067	1.09636	5.37E-01	6.76E-01	1.95E-01	8.07E-02	1.49E+00	5.29E-01	2.93E-05	2.14E-03	2.36E-03	5.34E-01	6.43E-01	6.76E-01	1.95E-01	8.07E-02	1.59E+00
4178	480363.09	3855877.25	4.88499	1.16313	1.0311	1.05075	7.99E-01	9.02E-01	2.00E-01	7.74E-02	1.98E+00	7.87E-01	3.91E-05	2.19E-03	2.26E-03	7.92E-01	9.56E-01	9.02E-01	2.00E-01	7.74E-02	2.14E+00
4179	480863.09	3855877.25	7.07289	1.88081	1.1874	1.11647	1.16E+00	1.46E+00	2.30E-01	8.22E-02	2.93E+00	1.14E+00	6.32E-05	2.52E-03	2.40E-03	1.14E+00	1.38E+00	1.46E+00	2.30E-01	8.22E-02	3.16E+00
4180	481363.09	3855877.25	7.60377	2.05467	1.3437	1.26625	1.24E+00	1.59E+00	2.61E-01	9.32E-02	3.19E+00	1.23E+00	6.90E-05	2.86E-03	2.73E-03	1.23E+00	1.49E+00	1.59E+00	2.61E-01	9.32E-02	3.44E+00
4181	481863.09	3855877.25	9.98522	5.76261	1.4347	1.33148	1.63E+00	4.47E+00	2.78E-01	9.80E-02	6.48E+00	1.61E+00	1.94E-04	3.05E-03	2.87E-03	1.62E+00	1.95E+00	4.47E+00	2.78E-01	9.80E-02	6.80E+00
4182	482363.09	3855877.25	10.1557	10.6344	1.3759	1.78446	1.66E+00	8.25E+00	2.67E-01	1.31E-01	1.03E+01	1.64E+00	3.57E-04	2.93E-03	3.84E-03	1.64E+00	1.99E+00	8.25E+00	2.67E-01	1.31E-01	1.06E+01
4183	482863.09	3855877.25	11.3023	14.5534	1.2503	2.43585	1.85E+00	1.13E+01	2.42E-01	1.79E-01	1.36E+01	1.82E+00	4.89E-04	2.66E-03	5.24E-03	1.83E+00	2.21E+00	1.13E+01	2.42E-01	1.79E-01	1.39E+01
4184	483363.09	3855877.25	12.8615	20.0437	1.1265	3.80162	2.10E+00	1.55E+01	2.18E-01	2.80E-01	1.81E+01	2.07E+00	6.73E-04	2.40E-03	8.18E-03	2.08E+00	2.52E+00	1.55E+01	2.18E-01	2.80E-01	1.86E+01
4185	483863.09	3855877.25	15.6015	13.8702	1.2352	3.22771	2.55E+00	1.08E+01	2.40E-01	2.38E-01	1.38E+01	2.51E+00	4.66E-04	2.63E-03	6.95E-03	2.52E+00	3.05E+00	1.08E+01	2.40E-01	2.38E-01	1.43E+01
4186	484363.09	3855877.25	19.2974	7.43687	1.0542	3.82586	3.16E+00	5.77E+00	2.04E-01	2.82E-01	9.41E+00	3.11E+00	2.50E-04	2.24E-03	8.24E-03	3.12E+00	3.78E+00	5.77E+00	2.04E-01	2.82E-01	1.00E+01
4187	484863.09	3855877.25	28.9208	5.15425	0.8204	4.9542	4.73E+00	4.00E+00	1.59E-01	3.65E-01	9.25E+00	4.66E+00	1.73E-04	1.74E-03	1.07E-02	4.67E+00	5.66E+00	4.00E+00	1.59E-01	3.65E-01	1.02E+01
4188	485363.09	3855877.25	59.7246	3.27368	0.8164	4.32804	9.77E+00	2.54E+00	1.58E-01	3.19E-01	1.28E+01	9.62E+00	1.10E-04	1.74E-03	9.32E-03	9.63E+00	1.17E+01	2.54E+00	1.58E-01	3.19E-01	1.47E+01
4189	485863.09	3855877.25	38.3369	2.12526	1.0308	4.75868	6.27E+00	1.65E+00	2.00E-01	3.50E-01	8.47E+00	6.18E+00	7.14E-05	2.19E-03	1.02E-02	6.19E+00	7.50E+00	1.65E+00	2.00E-01	3.50E-01	9.70E+00
4190	486363.09	3855877.25	22.3504	1.52462	1.0956	4.92744	3.66E+00	1.18E+00	2.12E-01	3.63E-01	5.41E+00	3.60E+00	5.12E-05	2.33E-03	1.06E-02	3.61E+00	4.37E+00	1.18E+00	2.12E-01	3.63E-01	6.13E+00
4191	486863.09	3855877.25	15.4018	1.22887	1.4682	4.31443	2.52E+00	9.53E-01	2.85E-01	3.18E-01	4.07E+00	2.48E+00	4.13E-05	3.12E-03	9.29E-03	2.49E+00	3.01E+00	9.53E-01	2.85E-01	3.18E-01	4.57E+00
4192	487363.09	3855877.25	14.3901	1.38057	1.9696	3.80701	2.35E+00	1.07E+00	3.82E-01	2.80E-01	4.09E+00	2.32E+00	4.64E-05	4.19E-03	8.20E-03	2.33E+00	2.82E+00	1.07E+00	3.82E-01	2.80E-01	4.55E+00
4193	487863.09	3855877.25	13.4083	1.41352	1.7818	3.26045	2.19E+00	1.10E+00	3.46E-01	2.40E-01	3.88E+00	2.16E+00	4.75E-05	3.79E-03	7.02E-03	2.17E+00	2.62E+00	1.10E+00	3.46E-01	2.40E-01	4.31E+00
4194	488363.09	3855877.25	12.1131	1.53987	1.9988	3.06085	1.98E+00	1.19E+00	3.88E-01	2.25E-01	3.79E+00	1.95E+00	5.17E-05	4.25E-03	6.59E-03	1.96E+00	2.37E+00	1.19E+00	3.88E-01	2.25E-01	4.18E+00
4195	488863.09	3855877.25	10.9453	1.46395	2.5881	2.87463	1.79E+00	1.14E+00	5.02E-01	2.12E-01	3.64E+00	1.76E+00	4.92E-05	5.50E-03	6.19E-03	1.78E+00	2.14E+00	1.14E+00	5.02E-01	2.12E-01	3.99E+00
4196	489363.09	3855877.25	9.99191	1.64338	2.513	2.67445	1.63E+00	1.27E+00	4.87E-01	1.97E-01	3.59E+00	1.61E+00	5.52E-05	5.34E-03	5.76E-03	1.62E+00	1.96E+00	1.27E+00	4.87E-01	1.97E-01	3.91E+00
4197	489863.09	3855877.25	9.0913	1.55671	3.8065	2.71099	1.49E+00	1.21E+00	7.38E-01	2.00E-01	3.63E+00	1.46E+00	5.23E-05	8.09E-03	5.84E-03	1.48E+00	1.78E+00	1.21E+00	7.38E-01	2.00E-01	3.92E+00
4198	490363.09	3855877.25	8.28063	1.51234	5.4847	2.45626	1.35E+00	1.17E+00	1.06E+00	1.81E-01	3.77E+00	1.33E+00	5.08E-05	1.17E-02	5.29E-03	1.35E+00	1.62E+00	1.17E+00	1.06E+00	1.81E-01	4.04E+00
4199	490863.09	3855877.25	7.43575	1.34239	5.8786	2.4925	1.22E+00	1.04E+00	1.14E+00	1.84E-01	3.58E+00	1.20E+00	4.51E-05	1.25E-02	5.37E-03	1.22E+00	1.46E+00	1.04E+00	1.14E+00	1.84E-01	3.82E+00
4200	491363.09	3855877.25	5.80213	0.86465	5.3773	2.40327	9.49E-01	6.71E-01	1.04E+00	1.77E-01	2.84E+00	9.35E-01	2.90E-05	1.14E-02	5.17E-03	9.52E-01	1.14E+00	6.71E-01	1.04E+00	1.77E-01	3.03E+00
4201	491863.09	3855877.25	6.4164	1.16515	6.2502	2.36088	1.05E+00	9.04E-01	1.21E+00	1.74E-01	3.34E+00	1.03E+00	3.91E-05	1.33E-02	5.08E-03	1.05E+00	1.26E+00	9.04E-01	1.21E+00	1.74E-01	3.55E+00
4202	492363.09	3855877.25	5.72289	0.94295	8.4606	2.30562	9.36E-01	7.31E-01	1.64E+00	1.70E-01	3.48E+00	9.22E-01	3.17E-05	1.80E-02	4.96E-03	9.45E-01	1.12E+00	7.31E-01	1.64E+00	1.70E-01	3.66E+00
4203	492863.09	3855877.25	5.06714	0.81155	9.5372	2.16014	8.29E-01	6.30E-01	1.85E+00	1.59E-01	3.47E+00	8.16E-01	2.73E-05	2.03E-02	4.65E-03	8.41E-01	9.92E-01	6.30E-01	1.85E+00	1.59E-01	3.63E+00
4204	493363.09	3855877.25	2.70321	0.48682	8.6664	1.71625	4.42E-01	3.78E-01	1.68E+00	1.26E-01	2.63E+00	4.36E-01	1.64E-05	1.84E-02	3.69E-03	4.58E-01	5.29E-01	3.78E-01	1.68E+00	1.26E-01	2.71E+00
4205	493863.09	3855877.25	1.11115	0.39248	8.4786	1.37164	1.82E-01	3.04E-01	1.64E+00	1.01E-01	2.23E+00	1.79E-01	1.32E-05	1.80E-02	2.95E-03	2.00E-01	2.17E-01	3.04E-01	1.64E+00	1.01E-01	2.27E+00

4206	494363.09	3855877.25	0.66613	0.32441	6.9768	1.07447	1.09E-01	2.52E-01	1.35E+00	7.91E-02	1.79E+00	1.07E-01	1.09E-05	1.48E-02	2.31E-03	1.24E-01	1.30E-01	2.52E-01	1.35E+00	7.91E-02	1.81E+00
4207	494863.09	3855877.25	0.56424	0.27983	6.2557	1.00675	9.23E-02	2.17E-01	1.21E+00	7.41E-02	1.60E+00	9.09E-02	9.40E-06	1.33E-02	2.17E-03	1.06E-01	1.10E-01	2.17E-01	1.21E+00	7.41E-02	1.61E+00
4208	495363.09	3855877.25	0.44385	0.23181	5.0368	0.76695	7.26E-02	1.80E-01	9.77E-01	5.65E-02	1.29E+00	7.15E-02	7.79E-06	1.07E-02	1.65E-03	8.39E-02	8.69E-02	1.80E-01	9.77E-01	5.65E-02	1.30E+00
4209	495863.09	3855877.25	0.42804	0.23624	5.0875	0.75795	7.00E-02	1.83E-01	9.87E-01	5.58E-02	1.30E+00	6.90E-02	7.94E-06	1.08E-02	1.63E-03	8.14E-02	8.38E-02	1.83E-01	9.87E-01	5.58E-02	1.31E+00
4210	496363.09	3855877.25	0.4143	0.24419	5.2519	0.80171	6.78E-02	1.89E-01	1.02E+00	5.90E-02	1.33E+00	6.68E-02	8.20E-06	1.12E-02	1.73E-03	7.97E-02	8.11E-02	1.89E-01	1.02E+00	5.90E-02	1.35E+00
4211	496863.09	3855877.25	0.43836	0.25647	5.3159	0.85514	7.17E-02	1.99E-01	1.03E+00	6.30E-02	1.36E+00	7.06E-02	8.62E-06	1.13E-02	1.84E-03	8.38E-02	8.58E-02	1.99E-01	1.03E+00	6.30E-02	1.38E+00
4212	497363.09	3855877.25	0.4668	0.25496	5.5368	0.88702	7.64E-02	1.98E-01	1.07E+00	6.53E-02	1.41E+00	7.52E-02	8.56E-06	1.18E-02	1.91E-03	8.89E-02	9.13E-02	1.98E-01	1.07E+00	6.53E-02	1.43E+00
4213	497863.09	3855877.25	0.47176	0.27295	5.9671	0.92696	7.72E-02	2.12E-01	1.16E+00	6.82E-02	1.51E+00	7.60E-02	9.17E-06	1.27E-02	2.00E-03	9.07E-02	9.23E-02	2.12E-01	1.16E+00	6.82E-02	1.53E+00
4214	498363.09	3855877.25	0.50361	0.28335	6.1274	1.01236	8.24E-02	2.20E-01	1.19E+00	7.45E-02	1.56E+00	8.11E-02	9.52E-06	1.30E-02	2.18E-03	9.64E-02	9.85E-02	2.20E-01	1.19E+00	7.45E-02	1.58E+00
4215	471363.09	3856377.25	1.80371	0.67943	0.261	0.55845	2.95E-01	5.27E-01	5.06E-02	4.11E-02	9.14E-01	2.91E-01	2.28E-05	5.55E-04	1.20E-03	2.92E-01	3.53E-01	5.27E-01	5.06E-02	4.11E-02	9.72E-01
4216	471863.09	3856377.25	1.84699	0.69392	0.2686	0.59524	3.02E-01	5.38E-01	5.21E-02	4.38E-02	9.36E-01	2.98E-01	2.33E-05	5.71E-04	1.28E-03	2.99E-01	3.61E-01	5.38E-01	5.21E-02	4.38E-02	9.96E-01
4217	472363.09	3856377.25	1.97317	0.75069	0.2936	0.6123	3.23E-01	5.82E-01	5.69E-02	4.51E-02	1.01E+00	3.18E-01	2.52E-05	6.24E-04	1.32E-03	3.20E-01	3.86E-01	5.82E-01	5.69E-02	4.51E-02	1.07E+00
4218	472863.09	3856377.25	2.17636	0.82705	0.3242	0.62597	3.56E-01	6.42E-01	6.29E-02	4.61E-02	1.11E+00	3.51E-01	2.78E-05	6.89E-04	1.35E-03	3.53E-01	4.26E-01	6.42E-01	6.29E-02	4.61E-02	1.18E+00
4219	473363.09	3856377.25	2.29316	0.88358	0.3437	0.63751	3.75E-01	6.85E-01	6.66E-02	4.69E-02	1.17E+00	3.70E-01	2.97E-05	7.31E-04	1.37E-03	3.72E-01	4.49E-01	6.85E-01	6.66E-02	4.69E-02	1.25E+00
4220	473863.09	3856377.25	2.51315	0.99805	0.3614	0.64785	4.11E-01	7.74E-01	7.01E-02	4.77E-02	1.30E+00	4.05E-01	3.35E-05	7.68E-04	1.39E-03	4.07E-01	4.92E-01	7.74E-01	7.01E-02	4.77E-02	1.38E+00
4221	474363.09	3856377.25	2.47858	0.9137	0.3897	0.69538	4.05E-01	7.09E-01	7.56E-02	5.12E-02	1.24E+00	3.99E-01	3.07E-05	8.29E-04	1.50E-03	4.02E-01	4.85E-01	7.09E-01	7.56E-02	5.12E-02	1.32E+00
4222	474863.09	3856377.25	2.30958	0.75772	0.432	0.83363	3.78E-01	5.88E-01	8.38E-02	6.14E-02	1.11E+00	3.72E-01	2.55E-05	9.19E-04	1.79E-03	3.75E-01	4.52E-01	5.88E-01	8.38E-02	6.14E-02	1.18E+00
4223	475363.09	3856377.25	1.66751	0.53288	0.4191	0.75635	2.73E-01	4.13E-01	8.13E-02	5.57E-02	8.23E-01	2.69E-01	1.79E-05	8.91E-04	1.63E-03	2.71E-01	3.26E-01	4.13E-01	8.13E-02	5.57E-02	8.77E-01
4224	475863.09	3856377.25	0.9242	0.39552	0.3886	0.66872	1.51E-01	3.07E-01	7.54E-02	4.92E-02	5.83E-01	1.49E-01	1.33E-05	8.26E-04	1.44E-03	1.51E-01	1.81E-01	3.07E-01	7.54E-02	4.92E-02	6.12E-01
4225	476363.09	3856377.25	0.82085	0.37777	0.44	0.69138	1.34E-01	2.93E-01	8.53E-02	5.09E-02	5.64E-01	1.32E-01	1.27E-05	9.36E-04	1.49E-03	1.35E-01	1.61E-01	2.93E-01	8.53E-02	5.09E-02	5.90E-01
4226	476863.09	3856377.25	0.81334	0.38135	0.5196	0.73114	1.33E-01	2.96E-01	1.01E-01	5.38E-02	5.83E-01	1.31E-01	1.28E-05	1.10E-03	1.57E-03	1.34E-01	1.59E-01	2.96E-01	1.01E-01	5.38E-02	6.10E-01
4227	477363.09	3856377.25	0.8455	0.40062	0.5599	0.78829	1.38E-01	3.11E-01	1.09E-01	5.80E-02	6.16E-01	1.36E-01	1.35E-05	1.19E-03	1.70E-03	1.39E-01	1.65E-01	3.11E-01	1.09E-01	5.80E-02	6.43E-01
4228	477863.09	3856377.25	0.69591	0.36186	0.5821	0.80144	1.14E-01	2.81E-01	1.13E-01	5.90E-02	5.66E-01	1.12E-01	1.22E-05	1.24E-03	1.73E-03	1.15E-01	1.36E-01	2.81E-01	1.13E-01	5.90E-02	5.89E-01
4229	478363.09	3856377.25	0.65173	0.35385	0.6168	0.82881	1.07E-01	2.74E-01	1.20E-01	6.10E-02	5.62E-01	1.05E-01	1.19E-05	1.31E-03	1.78E-03	1.08E-01	1.28E-01	2.74E-01	1.20E-01	6.10E-02	5.83E-01
4230	478863.09	3856377.25	1.11142	0.4851	0.67	0.88897	1.82E-01	3.76E-01	1.30E-01	6.54E-02	7.53E-01	1.79E-01	1.63E-05	1.42E-03	1.91E-03	1.82E-01	2.17E-01	3.76E-01	1.30E-01	6.54E-02	7.89E-01
4231	479363.09	3856377.25	1.48089	0.58065	0.8023	0.9559	2.42E-01	4.50E-01	1.56E-01	7.04E-02	9.19E-01	2.39E-01	1.95E-05	1.71E-03	2.06E-03	2.42E-01	2.90E-01	4.50E-01	1.56E-01	7.04E-02	9.66E-01
4232	479863.09	3856377.25	3.11255	0.8285	1.0364	1.33224	5.09E-01	6.43E-01	2.01E-01	9.81E-02	1.45E+00	5.02E-01	2.78E-05	2.20E-03	2.87E-03	5.07E-01	6.09E-01	6.43E-01	2.01E-01	9.81E-02	1.55E+00
4233	480363.09	3856377.25	5.35784	1.23334	1.3664	1.39019	8.76E-01	9.57E-01	2.65E-01	1.02E-01	2.20E+00	8.63E-01	4.14E-05	2.91E-03	2.99E-03	8.69E-01	1.05E+00	9.57E-01	2.65E-01	1.02E-01	2.37E+00
4234	480863.09	3856377.25	6.88615	1.68858	1.4488	1.29762	1.13E+00	1.31E+00	2.81E-01	9.55E-02	2.81E+00	1.11E+00	5.67E-05	3.08E-03	2.79E-03	1.12E+00	1.35E+00	1.31E+00	2.81E-01	9.55E-02	3.03E+00
4235	481363.09	3856377.25	8.10639	2.67277	1.4611	1.35115	1.33E+00	2.07E+00	2.83E-01	9.95E-02	3.78E+00	1.31E+00	8.98E-05	3.11E-03	2.91E-03	1.31E+00	1.59E+00	2.07E+00	2.83E-01	9.95E-02	4.04E+00
4236	481863.09	3856377.25	8.89641	5.30175	1.5119	1.45358	1.46E+00	4.11E+00	2.93E-01	1.07E-01	5.97E+00	1.43E+00	1.78E-04	3.21E-03	3.13E-03	1.44E+00	1.74E+00	4.11E+00	2.93E-01	1.07E-01	6.25E+00
4237	482363.09	3856377.25	9.01983	9.19121	1.595	1.65477	1.48E+00	7.13E+00	3.09E-01	1.22E-01	9.04E+00	1.45E+00	3.09E-04	3.39E-03	3.56E-03	1.46E+00	1.77E+00	7.13E+00	3.09E-01	1.22E-01	9.33E+00
4238	482863.09	3856377.25	9.84742	12.513	1.897	2.01039	1.61E+00	9.71E+00	3.68E-01	1.48E-01	1.18E+01	1.59E+00	4.20E-04	4.03E-03	4.33E-03	1.60E+00	1.93E+00	9.71E+00	3.68E-01	1.48E-01	1.21E+01
4239	483363.09	3856377.25	10.7216	19.1431	2.0446	3.42139	1.75E+00	1.48E+01	3.96E-01	2.52E-01	1.73E+01	1.73E+00	6.43E-04	4.35E-03	7.37E-03	1.74E+00	2.10E+00	1.49E+01	3.96E-01	2.52E-01	1.76E+01
4240	483863.09	3856377.25	12.1229	20.7614	1.8829	3.74002	1.98E+00	1.61E+01	3.65E-01	2.75E-01	1.87E+01	1.95E+00	6.97E-04	4.00E-03	8.05E-03	1.97E+00	2.37E+00	1.61E+01	3.65E-01	2.75E-01	1.91E+01
4241	484363.09	3856377.25	14.3496	19.4702	1.5398	7.51384	2.35E+00	1.51E+01	2.99E-01	5.53E-01	1.83E+01	2.31E+00	6.54E-04	3.27E-03	1.62E-02	2.33E+00	2.81E+00	1.51E+01	2.99E-01	5.53E-01	1.88E+01
4242	484863.09	3856377.25	17.5254	11.0855	1.548	6.64123	2.87E+00	8.60E+00	3.00E-01	4.89E-01	1.23E+01	2.82E+00	3.72E-04	3.29E-03	1.43E-02	2.84E+00	3.43E+00	8.60E+00	3.00E-01	4.89E-01	1.28E+01
4243	485363.09	3856377.25	24.8938	6.92416	1.3522	5.47692	4.07E+00	5.37E+00	2.62E-01	4.03E-01	1.01E+01	4.01E+00	2.33E-04	2.87E-03	1.18E-02	4.03E+00	4.87E+00	5.37E+00	2.62E-01	4.03E-01	1.09E+01
4244	485863.09	3856377.25	56.9837	4.28427	1.1899	4.57325	9.32E+00	3.32E+00	2.31E-01	3.37E-01	1.32E+01	9.18E+00	1.44E-04	2.53E-03	9.85E-03	9.19E+00	1.12E+01	3.32E+00	2.31E-01	3.37E-01	1.50E+01
4245	486363.09	3856377.25	38.7115	1.68935	1.3372	4.65962	6.33E+00	1.31E+00	2.59E-01	3.43E-01	8.24E+00	6.24E+00	5.67E-05	2.84E-03	1.00E-02	6.25E+00	7.58E+00	1.31E+00	2.59E-01	3.43E-01	9.49E+00
4246	486863.09	3856377.25	28.8095	1.73514	1.5333	3.84835	4.71E+00	1.35E+00	2.97E-01	2.83E-01	6.64E+00	4.64E+00	5.83E-05	3.26E-03	8.28E-03	4.65E+00	5.64E+00	1.35E+00	2.97E-01	2.83E-01	7.56E+00
4247	487363.09	3856377.25	22.6148	1.91029	2.0703	3.42154	3.70E+00	1.48E+00	4.01E-01	2.52E-01	5.83E+00	3.64E+00	6.42E-05	4.40E-03	7.37E-03	3.66E+00	4.43E+00	1.48E+00	4.01E-01	2.52E-01	6.56E+00
4248	487863.09	3856377.25	18.6598	2.27621	2.2785	3.10452	3.05E+00	1.77E+00	4.42E-01	2.29E-01	5.49E+00	3.01E+00	7.65E-05	4.84E-03	6.68E-03	3.02E+00	3.65E+00	1.77E+00	4.42E-01	2.29E-01	6.09E+00
4249	488363.09	3856377.25	15.5032	2.39158	3.3035	2.78625	2.54E+00	1.86E+00	6.41E-01	2.05E-01	5.24E+00	2.50E+00	8.03E-05	7.02E-03	6.00E-03	2.51E+00	3.03E+00	1.86E+00	6.41E-01	2.05E-01	5.73E+00
4250	488863.09	3856377.25	13.2003	2.46834	3.3092	2.64135	2.16E+00	1.91E+00	6.42E-01	1.94E-01	4.91E+00	2.13E+00	8.29E-05	7.04E-03	5.69E-03	2.14E+00	2.58E+00	1.91E+00	6.42E-01	1.94E-01	5.33E+00
4251	489363.09	3856377.25	11.5131	2.38743	4.8441	2.49483	1.88E+00	1.85E+00	9.39E-01	1.84E-01	4.86E+00	1.86E+00	8.02E-05	1.03E-02	5.37E-03	1.87E+00	2.25E+00	1.85E+00	9.39E-01	1.84E-01	5.23E+00
4252	489863.09	3856377.25	10.3153	2.32174	7.6803	2.3885	1.69E+00	1.80E+00	1.49E+00	1.76E-01	5.15E+00	1.66E+00	7.80E-05	1.63E-02	5.14E-03	1.68E+00	2.02E+00	1.80E+00	1.49E+00	1.76E-01	5.48E+00
4253	490363.09	3856377.25	9.31299	2.05871	6.9232	2.34027	1.52E+00	1.60E+00	1.34E+00	1.72E-01	4.63E+00	1.50E+00	6.92E-05	1.47E-02	5.04E-03	1.52E+00	1.82E+00	1.60E+00	1.34E+00	1.72E-01	4.93E+00
4254	490863.09	3856377.25	8.49857	1.84173	7.3815	2.27781	1.39E+00	1.43E+00	1.43E+00	1.68E-01	4.42E+00	1.37E+00	6.19E-05	1.57E-02	4.90E-03	1.39E+00	1.66E+00	1.43E+00	1.43E+00	1.68E-01	4.69E+00
4255	491363.09	3856377.25	7.80581	1.65755	9.6243	2.28631	1.28E+00	1.29E+00	1.87E+00	1.68E-01	4.60E+00	1.26E+00	5.57E-05	2.05E-02	4.92E-03	1.28E+00	1.53E+00	1.29E+00	1.87E+00	1.68E-01	4.85E+00
4256	491863.09	3856377.25	7.15665	1.39139	12.303	2.16506	1.17E+00	1.08E+00	2.39E+00	1.59E-01	4.79E+00	1.15E+00	4.67E-05	2.62E-02	4.66E-03	1.18E+00	1.40E+00	1.08E+00	2.39E+00	1.59E-01	5.02E+00
4257	492363.09	3856377.25	6.30731	1.02699	12.315	2.06829	1.03E+00	7.97E-01	2.39E+00	1.52E-01	4.37E+00	1.02E+00	3.45E-05	2.62E-02	4.45E-03	1.05E+00	1.23E+00	7.97E-01	2.39E+00	1.52E-01	4.57E+00
4258	492863.09	3856377.25	4.40948	0.62417	12.908	1.83502	7.21E-01	4.84E-01	2.50E+00	1.35E-01	3.84E+00	7.11E-01	2.10E-05	2.74E-02	3.95E-03	7.42E-01	8.63E-01	4.84E-01	2.50E+00	1.35E-01	3.99E+00
4259	493363.09	3856377.25	1.27701	0.40836	10.924	1.3969	2.09E-01	3.17E-01	2.12E+00	1.03E-01	2.75E+00	2.06E-01	1.37E-05	2.32E-02	3.01E-03	2.32E-01	2.50E-01	3.17E-01	2.12E+00	1.03E-01	2.79E+00
4260	493863.09	3856377.25	0.85475	0.38157	9.0121	1.23319	1.40E-01	2.96E-01	1.75E+00	9.08E-02	2.27E+00	1.38E-01	1.28E-05	1.92E-02	2.65E-03	1.60E-01	1.67E-01	2.96E-01	1.75E+00	9.08E-02	2.30E+00
4261	494363.09	3856377.25	0.59365	0.31611	7.8226	1.06471	9.71E-02	2.45E-01	1.52E+00	7.84E-02	1.94E+00	9.57E-02	1.06E-05	1.66E-02	2.29E-03	1.15E-01	1.16E-01	2.45E-01	1.52E+00	7.84E-02	1.96E+00
4262	494863.09	3856377.25	0.49095	0.28746	6.9146	0.89758	8.03E-02	2.23E-01	1.34E+00	6.61E-02	1.71E+00	7.91E-02	9.66E-06	1.47E-02	1.93E-03	9.58E-02	9.61E-02	2.23E-01	1.34E+00	6.61E-02	1.73E+00
4263	495363.09	3856377.25	0.40709	0.26171	5.7276	0.83262	6.66E-02	2.03E-01	1.11E+00	6.13E-02	1.44E+00	6.56E-02	8.79E-06	1.22E-02	1.79E-03	7.96E-02	7.97E-02	2.03E-01	1.11E+00	6.13E-02	1.45E+00
4264	495863.09	3856377.25	0.39572	0.26879	5.3868	0.83547	6.47E-02	2.09E-01	1.04E+00	6.15E-02	1.38E+00	6.38E-02	9.03E-06	1.15E-02	1.80E-03	7.70E-02	7.74E-02	2.09E-01	1.04E+00	6.15E-02	1.39E+00
4265	496363.09	3856377.25	0.40824	0.25951	5.4212	0.87034	6.68E-02	2.01E-01	1.05E+00	6.41E-02	1.38E+00	6.58E-02	8.72E-06	1.15E-02	1.87E-03	7.92E-02	7.99E-02	2.01E-01	1.05E+00	6.41E-02	1.40E+00
4266	496863.09	3856377.25	0.43188	0.27771	5.8072	0.88404	7.06E-02	2.15E-01	1.13E+00	6.51E-02	1.48E+00	6.96E-02	9.33E-06	1.23E-02	1.90E-03	8.38E-02	8.45E-02	2.15E-01	1.13E+00	6.51E-02	1.49E+00

4267	497363.09	3856377.25	0.44537	0.28885	6.3091	0.97389	7.28E-02	2.24E-01	1.22E+00	7.17E-02	1.59E+00	7.18E-02	9.70E-06	1.34E-02	2.10E-03	8.73E-02	8.72E-02	2.24E-01	1.22E+00	7.17E-02	1.61E+00
4268	497863.09	3856377.25	0.46702	0.31158	6.5893	0.99301	7.64E-02	2.42E-01	1.28E+00	7.31E-02	1.67E+00	7.53E-02	1.05E-05	1.40E-02	2.14E-03	9.14E-02	9.14E-02	2.42E-01	1.28E+00	7.31E-02	1.68E+00
4269	498363.09	3856377.25	0.53361	0.31773	6.7018	1.05875	8.73E-02	2.46E-01	1.30E+00	7.79E-02	1.71E+00	8.60E-02	1.07E-05	1.42E-02	2.28E-03	1.03E-01	1.04E-01	2.46E-01	1.30E+00	7.79E-02	1.73E+00
4270	471363.09	3856877.25	1.92606	0.72184	0.303	0.50063	3.15E-01	5.60E-01	5.88E-02	3.69E-02	9.71E-01	3.10E-01	2.42E-05	6.44E-04	1.08E-03	3.12E-01	3.77E-01	5.60E-01	5.88E-02	3.69E-02	1.03E+00
4271	471863.09	3856877.25	2.00575	0.71323	0.3146	0.53061	3.28E-01	5.53E-01	6.10E-02	3.91E-02	9.81E-01	3.23E-01	2.40E-05	6.69E-04	1.14E-03	3.25E-01	3.92E-01	5.53E-01	6.10E-02	3.91E-02	1.05E+00
4272	472363.09	3856877.25	2.10882	0.75595	0.3229	0.58366	3.45E-01	5.86E-01	6.26E-02	4.30E-02	1.04E+00	3.40E-01	2.54E-05	6.87E-04	1.26E-03	3.42E-01	4.13E-01	5.86E-01	6.26E-02	4.30E-02	1.10E+00
4273	472863.09	3856877.25	2.21814	0.77677	0.3268	0.6162	3.63E-01	6.03E-01	6.34E-02	4.54E-02	1.07E+00	3.57E-01	2.61E-05	6.95E-04	1.33E-03	3.59E-01	4.34E-01	6.03E-01	6.34E-02	4.54E-02	1.15E+00
4274	473363.09	3856877.25	2.41816	0.86537	0.3436	0.65368	3.96E-01	6.71E-01	6.66E-02	4.81E-02	1.18E+00	3.90E-01	2.91E-05	7.31E-04	1.41E-03	3.92E-01	4.73E-01	6.71E-01	6.66E-02	4.81E-02	1.26E+00
4275	473863.09	3856877.25	2.57757	0.9183	0.3631	0.68609	4.22E-01	7.12E-01	7.04E-02	5.05E-02	1.25E+00	4.15E-01	3.08E-05	7.72E-04	1.48E-03	4.18E-01	5.04E-01	7.12E-01	7.04E-02	5.05E-02	1.34E+00
4276	474363.09	3856877.25	2.51263	0.82999	0.3784	0.7154	4.11E-01	6.44E-01	7.34E-02	5.27E-02	1.18E+00	4.05E-01	2.79E-05	8.04E-04	1.54E-03	4.07E-01	4.92E-01	6.44E-01	7.34E-02	5.27E-02	1.26E+00
4277	474863.09	3856877.25	2.34203	0.7063	0.3835	0.75259	3.83E-01	5.48E-01	7.44E-02	5.54E-02	1.06E+00	3.77E-01	2.37E-05	8.15E-04	1.62E-03	3.80E-01	4.58E-01	5.48E-01	7.44E-02	5.54E-02	1.14E+00
4278	475363.09	3856877.25	1.77578	0.55426	0.3702	0.77673	2.90E-01	4.30E-01	7.18E-02	5.72E-02	8.49E-01	2.86E-01	1.86E-05	7.87E-04	1.67E-03	2.89E-01	3.47E-01	4.30E-01	7.18E-02	5.72E-02	9.06E-01
4279	475863.09	3856877.25	1.66357	0.52973	0.3824	0.80458	2.72E-01	4.11E-01	7.42E-02	5.92E-02	8.16E-01	2.68E-01	1.78E-05	8.13E-04	1.73E-03	2.71E-01	3.26E-01	4.11E-01	7.42E-02	5.92E-02	8.70E-01
4280	476363.09	3856877.25	1.25266	0.47757	0.3977	0.76578	2.05E-01	3.70E-01	7.71E-02	5.64E-02	7.09E-01	2.02E-01	1.60E-05	8.46E-04	1.65E-03	2.04E-01	2.45E-01	3.70E-01	7.71E-02	5.64E-02	7.49E-01
4281	476863.09	3856877.25	1.11437	0.46063	0.4349	0.78731	1.82E-01	3.57E-01	8.43E-02	5.80E-02	6.82E-01	1.80E-01	1.55E-05	9.25E-04	1.69E-03	1.82E-01	2.18E-01	3.57E-01	8.43E-02	5.80E-02	7.18E-01
4282	477363.09	3856877.25	0.91537	0.41084	0.4532	0.84588	1.50E-01	3.19E-01	8.79E-02	6.23E-02	6.19E-01	1.47E-01	1.38E-05	9.64E-04	1.82E-03	1.50E-01	1.79E-01	3.19E-01	8.79E-02	6.23E-02	6.48E-01
4283	477863.09	3856877.25	0.61524	0.36423	0.4439	0.88643	1.01E-01	2.83E-01	8.61E-02	6.53E-02	5.35E-01	9.91E-02	1.22E-05	9.44E-04	1.91E-03	1.02E-01	1.20E-01	2.83E-01	8.61E-02	6.53E-02	5.54E-01
4284	478363.09	3856877.25	0.54625	0.34504	0.464	0.87971	8.93E-02	2.68E-01	9.00E-02	6.48E-02	5.12E-01	8.80E-02	1.16E-05	9.87E-04	1.89E-03	9.09E-02	1.07E-01	2.68E-01	9.00E-02	6.48E-02	5.29E-01
4285	478863.09	3856877.25	0.6569	0.39173	0.5238	0.92119	1.07E-01	3.04E-01	1.02E-01	6.78E-02	5.81E-01	1.06E-01	1.32E-05	1.11E-03	1.98E-03	1.09E-01	1.29E-01	3.04E-01	1.02E-01	6.78E-02	6.02E-01
4286	479363.09	3856877.25	0.82606	0.44556	0.581	0.95938	1.35E-01	3.46E-01	1.13E-01	7.06E-02	6.64E-01	1.33E-01	1.50E-05	1.24E-03	2.07E-03	1.36E-01	1.62E-01	3.46E-01	1.13E-01	7.06E-02	6.91E-01
4287	479863.09	3856877.25	2.49894	0.74527	0.9316	1.20961	4.09E-01	5.78E-01	1.81E-01	8.91E-02	1.26E+00	4.03E-01	2.50E-05	1.98E-03	2.60E-03	4.07E-01	4.89E-01	5.78E-01	1.81E-01	8.91E-02	1.34E+00
4288	480363.09	3856877.25	4.79037	1.19539	1.0179	1.36657	7.84E-01	9.27E-01	1.97E-01	1.01E-01	2.01E+00	7.72E-01	4.02E-05	2.16E-03	2.94E-03	7.77E-01	9.37E-01	9.27E-01	1.97E-01	1.01E-01	2.16E+00
4289	480863.09	3856877.25	6.53994	1.8851	0.9647	1.34069	1.07E+00	1.46E+00	1.87E-01	9.87E-02	2.82E+00	1.05E+00	6.33E-05	2.05E-03	2.89E-03	1.06E+00	1.28E+00	1.46E+00	1.87E-01	9.87E-02	3.03E+00
4290	481363.09	3856877.25	7.49219	2.8376	1.1433	1.43277	1.23E+00	2.20E+00	2.22E-01	1.05E-01	3.75E+00	1.21E+00	9.53E-05	2.43E-03	3.08E-03	1.21E+00	1.47E+00	2.20E+00	2.22E-01	1.05E-01	3.99E+00
4291	481863.09	3856877.25	8.16387	3.5812	1.3609	1.49573	1.34E+00	2.78E+00	2.64E-01	1.10E-01	4.49E+00	1.32E+00	1.20E-04	2.89E-03	3.22E-03	1.32E+00	1.60E+00	2.78E+00	2.64E-01	1.10E-01	4.75E+00
4292	482363.09	3856877.25	8.13726	6.86619	1.8988	1.53624	1.33E+00	5.33E+00	3.68E-01	1.13E-01	7.14E+00	1.31E+00	2.31E-04	4.04E-03	3.31E-03	1.32E+00	1.59E+00	5.33E+00	3.68E-01	1.13E-01	7.40E+00
4293	482863.09	3856877.25	8.45418	9.32899	2.2464	1.55678	1.38E+00	7.24E+00	4.36E-01	1.15E-01	9.17E+00	1.36E+00	3.13E-04	4.78E-03	3.35E-03	1.37E+00	1.65E+00	7.24E+00	4.36E-01	1.15E-01	9.44E+00
4294	483363.09	3856877.25	9.13501	13.9974	2.3338	1.59937	1.49E+00	1.09E+01	4.53E-01	1.18E-01	1.29E+01	1.47E+00	4.70E-04	4.96E-03	3.44E-03	1.48E+00	1.79E+00	1.09E+01	4.53E-01	1.18E-01	1.32E+01
4295	483863.09	3856877.25	10.0508	20.272	2.5091	2.04945	1.64E+00	1.57E+01	4.87E-01	1.51E-01	1.80E+01	1.62E+00	6.81E-04	5.33E-03	4.41E-03	1.63E+00	1.97E+00	1.57E+01	4.87E-01	1.51E-01	1.83E+01
4296	484363.09	3856877.25	11.2368	20.4842	2.7692	3.81145	1.84E+00	1.59E+01	5.37E-01	2.81E-01	1.85E+01	1.81E+00	6.88E-04	5.89E-03	8.21E-03	1.83E+00	2.20E+00	1.59E+01	5.37E-01	2.81E-01	1.89E+01
4297	484863.09	3856877.25	12.9862	25.3187	3.0988	6.85168	2.12E+00	1.96E+01	6.01E-01	5.04E-01	2.29E+01	2.09E+00	8.50E-04	6.59E-03	1.47E-02	2.11E+00	2.54E+00	1.96E+01	6.01E-01	5.04E-01	2.33E+01
4298	485363.09	3856877.25	16.6644	13.5208	2.652	5.42916	2.73E+00	1.05E+01	5.14E-01	4.00E-01	1.41E+01	2.69E+00	4.54E-04	5.64E-03	1.17E-02	2.70E+00	3.26E+00	1.05E+01	5.14E-01	4.00E-01	1.47E+01
4299	485863.09	3856877.25	22.6324	8.4875	2.4189	4.24266	3.70E+00	6.58E+00	4.69E-01	3.12E-01	1.11E+01	3.65E+00	2.85E-04	5.14E-03	9.13E-03	3.66E+00	4.43E+00	6.58E+00	4.69E-01	3.12E-01	1.18E+01
4300	486363.09	3856877.25	46.4262	2.6784	1.8468	3.97418	7.59E+00	2.08E+00	3.58E-01	2.93E-01	1.03E+01	7.48E+00	9.00E-05	3.93E-03	8.56E-03	7.49E+00	9.08E+00	2.08E+00	3.58E-01	2.93E-01	1.18E+01
4301	486863.09	3856877.25	66.1026	1.97115	1.8221	3.36868	1.08E+01	1.53E+00	3.53E-01	2.48E-01	1.29E+01	1.07E+01	6.62E-05	3.87E-03	7.25E-03	1.07E+01	1.29E+01	1.53E+00	3.53E-01	2.48E-01	1.51E+01
4302	487363.09	3856877.25	32.3684	2.98601	2.98	3.0702	5.29E+00	2.32E+00	5.78E-01	2.26E-01	8.41E+00	5.22E+00	1.00E-04	6.34E-03	6.61E-03	5.23E+00	6.33E+00	2.32E+00	5.78E-01	2.26E-01	9.45E+00
4303	487863.09	3856877.25	24.5964	3.59875	4.4194	3.00477	4.02E+00	2.79E+00	8.57E-01	2.21E-01	7.89E+00	3.96E+00	1.21E-04	9.40E-03	6.47E-03	3.98E+00	4.81E+00	2.79E+00	8.57E-01	2.21E-01	8.68E+00
4304	488363.09	3856877.25	19.1861	3.64402	5.8042	2.74995	3.14E+00	2.83E+00	1.13E+00	2.02E-01	7.29E+00	3.09E+00	1.22E-04	1.23E-02	5.92E-03	3.11E+00	3.75E+00	2.83E+00	1.13E+00	2.02E-01	7.91E+00
4305	488863.09	3856877.25	15.3755	3.55502	6.5848	2.69188	2.51E+00	2.76E+00	1.28E+00	1.98E-01	6.75E+00	2.48E+00	1.19E-04	1.40E-02	5.79E-03	2.50E+00	3.01E+00	2.76E+00	1.28E+00	1.98E-01	7.24E+00
4306	489363.09	3856877.25	13.0707	3.46151	10.882	2.53578	2.14E+00	2.69E+00	2.11E+00	1.87E-01	7.12E+00	2.11E+00	1.16E-04	2.31E-02	5.46E-03	2.13E+00	2.56E+00	2.69E+00	2.11E+00	1.87E-01	7.54E+00
4307	489863.09	3856877.25	11.4792	3.14998	10.184	2.42615	1.88E+00	2.44E+00	1.97E+00	1.79E-01	6.47E+00	1.85E+00	1.06E-04	2.17E-02	5.22E-03	1.88E+00	2.25E+00	2.44E+00	1.97E+00	1.79E-01	6.84E+00
4308	490363.09	3856877.25	10.3155	2.68467	10.902	2.35276	1.69E+00	2.08E+00	2.11E+00	1.73E-01	6.06E+00	1.66E+00	9.02E-05	2.32E-02	5.06E-03	1.69E+00	2.02E+00	2.08E+00	2.11E+00	1.73E-01	6.39E+00
4309	490863.09	3856877.25	9.18868	2.3349	15.048	2.31787	1.50E+00	1.81E+00	2.92E+00	1.71E-01	6.40E+00	1.48E+00	7.84E-05	3.20E-02	4.99E-03	1.52E+00	1.80E+00	1.81E+00	2.92E+00	1.71E-01	6.70E+00
4310	491363.09	3856877.25	8.36924	1.91108	15.618	2.36023	1.37E+00	1.48E+00	3.03E+00	1.74E-01	6.05E+00	1.35E+00	6.42E-05	3.32E-02	5.08E-03	1.39E+00	1.64E+00	1.48E+00	3.03E+00	1.74E-01	6.32E+00
4311	491863.09	3856877.25	7.57583	1.56792	16.701	2.2231	1.24E+00	1.22E+00	3.24E+00	1.64E-01	5.86E+00	1.22E+00	5.27E-05	3.55E-02	4.79E-03	1.26E+00	1.48E+00	1.22E+00	3.24E+00	1.64E-01	6.10E+00
4312	492363.09	3856877.25	5.70876	0.82638	17.3	1.95484	9.34E-01	6.41E-01	3.35E+00	1.44E-01	5.07E+00	9.20E-01	2.78E-05	3.68E-02	4.21E-03	9.61E-01	1.12E+00	6.41E-01	3.35E+00	1.44E-01	5.26E+00
4313	492863.09	3856877.25	3.39669	0.54641	16.771	1.59073	5.56E-01	4.24E-01	3.25E+00	1.17E-01	4.35E+00	5.47E-01	1.84E-05	3.57E-02	3.42E-03	5.86E-01	6.65E-01	4.24E-01	3.25E+00	1.17E-01	4.46E+00
4314	493363.09	3856877.25	1.45454	0.46072	12.972	1.39065	2.38E-01	3.57E-01	2.52E+00	1.02E-01	3.21E+00	2.34E-01	1.55E-05	2.76E-02	2.99E-03	2.65E-01	2.85E-01	3.57E-01	2.52E+00	1.02E-01	3.26E+00
4315	493863.09	3856877.25	0.78024	0.38254	9.8942	1.09381	1.28E-01	2.97E-01	1.92E+00	8.05E-02	2.42E+00	1.26E-01	1.29E-05	2.10E-02	2.35E-03	1.49E-01	1.53E-01	2.97E-01	1.92E+00	8.05E-02	2.45E+00
4316	494363.09	3856877.25	0.55278	0.32929	8.0006	1.00584	9.04E-02	2.55E-01	1.55E+00	7.41E-02	1.97E+00	8.91E-02	1.11E-05	1.70E-02	2.17E-03	1.08E-01	1.08E-01	2.55E-01	1.55E+00	7.41E-02	1.99E+00
4317	494863.09	3856877.25	0.45712	0.3217	7.0542	0.9407	7.48E-02	2.50E-01	1.37E+00	6.93E-02	1.76E+00	7.37E-02	1.08E-05	1.50E-02	2.03E-03	9.07E-02	8.94E-02	2.50E-01	1.37E+00	6.93E-02	1.78E+00
4318	495363.09	3856877.25	0.42486	0.31077	6.0502	0.94631	6.95E-02	2.41E-01	1.17E+00	6.97E-02	1.55E+00	6.85E-02	1.04E-05	1.29E-02	2.04E-03	8.34E-02	8.31E-02	2.41E-01	1.17E+00	6.97E-02	1.57E+00
4319	495863.09	3856877.25	0.41917	0.29868	5.5644	0.95728	6.86E-02	2.32E-01	1.08E+00	7.05E-02	1.45E+00	6.75E-02	1.00E-05	1.18E-02	2.06E-03	8.14E-02	8.20E-02	2.32E-01	1.08E+00	7.05E-02	1.46E+00
4320	496363.09	3856877.25	0.41685	0.29194	5.4332	0.97296	6.82E-02	2.26E-01	1.05E+00	7.16E-02	1.42E+00	6.72E-02	9.81E-06	1.16E-02	2.09E-03	8.08E-02	8.16E-02	2.26E-01	1.05E+00	7.16E-02	1.43E+00
4321	496863.09	3856877.25	0.42585	0.3001	5.8021	0.98458	6.97E-02	2.33E-01	1.13E+00	7.25E-02	1.50E+00	6.86E-02	1.01E-05	1.23E-02	2.12E-03	8.31E-02	8.33E-02	2.33E-01	1.13E+00	7.25E-02	1.51E+00
4322	497363.09	3856877.25	0.44637	0.31802	5.7829	1.02947	7.30E-02	2.47E-01	1.12E+00	7.58E-02	1.52E+00	7.19E-02	1.07E-05	1.23E-02	2.22E-03	8.64E-02	8.73E-02	2.47E-01	1.12E+00	7.58E-02	1.53E+00
4323	497863.09	3856877.25	0.53844	0.32647	6.1423	1.06495	8.81E-02	2.53E-01	1.19E+00	7.84E-02	1.61E+00	8.68E-02	1.10E-05	1.31E-02	2.29E-03	1.02E-01	1.05E-01	2.53E-01	1.19E+00	7.84E-02	1.63E+00
4324	498363.09	3856877.25	0.69612	0.34226	6.7324	1.08335	1.14E-01	2.65E-01	1.31E+00	7.98E-02	1.76E+00	1.12E-01	1.15E-05	1.43E-02	2.33E-03	1.29E-01	1.36E-01	2.66E-01	1.31E+00	7.98E-02	1.79E+00
4325	471363.09	3857377.25	2.04139	0.71071	0.3535	0.49388	3.34E-01	5.51E-01	6.86E-02	3.64E-02	9.90E-01	3.29E-01	2.39E-05	7.52E-04	1.06E-03	3.31E-01	3.99E-01	5.51E-01	6.86E-02	3.64E-02	1.06E+00
4326	471863.09	3857377.25	2.11017	0.70173	0.3631	0.51074	3.45E-01	5.44E-01	7.04E-02	3.76E-02	9.97E-01	3.40E-01	2.36E-05	7.72E-04	1.10E-03	3.42E-01	4.13E-01	5.44E-01	7.04E-02	3.76E-02	1.07E+00
4327	472363.09	3857377.25	2.1782	0.73689	0.3735	0.52162	3.56E-01	5.72E-01	7.24E-02	3.84E-02	1.04E+00	3.51E-01	2.48E-05	7.94E-04	1.12E-03	3.53E-01	4.26E-01	5.72E-01	7.24E-02	3.84E-02	1.11E+00

4328	472863.09	3857377.25	2.2715	0.7695	0.3846	0.5722	3.72E-01	5.97E-01	7.46E-02	4.21E-02	1.09E+00	3.66E-01	2.58E-05	8.18E-04	1.23E-03	3.68E-01	4.44E-01	5.97E-01	7.46E-02	4.21E-02	1.16E+00
4329	473363.09	3857377.25	2.41893	0.83638	0.3967	0.58819	3.96E-01	6.49E-01	7.69E-02	4.33E-02	1.16E+00	3.90E-01	2.81E-05	8.43E-04	1.27E-03	3.92E-01	4.73E-01	6.49E-01	7.69E-02	4.33E-02	1.24E+00
4330	473863.09	3857377.25	2.60349	0.93947	0.4116	0.64377	4.26E-01	7.29E-01	7.98E-02	4.74E-02	1.28E+00	4.20E-01	3.16E-05	8.75E-04	1.39E-03	4.22E-01	5.09E-01	7.29E-01	7.98E-02	4.74E-02	1.37E+00
4331	474363.09	3857377.25	2.49066	0.8123	0.4163	0.65451	4.07E-01	6.30E-01	8.07E-02	4.82E-02	1.17E+00	4.01E-01	2.73E-05	8.85E-04	1.41E-03	4.04E-01	4.87E-01	6.30E-01	8.07E-02	4.82E-02	1.25E+00
4332	474863.09	3857377.25	1.78408	0.53192	0.3942	0.67162	2.92E-01	4.13E-01	7.64E-02	4.94E-02	8.30E-01	2.87E-01	1.79E-05	8.38E-04	1.45E-03	2.90E-01	3.49E-01	4.13E-01	7.64E-02	4.94E-02	8.88E-01
4333	475363.09	3857377.25	0.94273	0.37497	0.4053	0.65803	1.54E-01	2.91E-01	7.86E-02	4.84E-02	5.72E-01	1.52E-01	1.26E-05	8.62E-04	1.42E-03	1.54E-01	1.84E-01	2.91E-01	7.86E-02	4.84E-02	6.02E-01
4334	475863.09	3857377.25	0.81736	0.37386	0.4194	0.66076	1.34E-01	2.90E-01	8.13E-02	4.86E-02	5.54E-01	1.32E-01	1.26E-05	8.92E-04	1.42E-03	1.34E-01	1.60E-01	2.90E-01	8.13E-02	4.86E-02	5.80E-01
4335	476363.09	3857377.25	1.12119	0.45661	0.4371	0.71334	1.83E-01	3.54E-01	8.48E-02	5.25E-02	6.75E-01	1.81E-01	1.53E-05	9.29E-04	1.54E-03	1.83E-01	2.19E-01	3.54E-01	8.48E-02	5.25E-02	7.11E-01
4336	476863.09	3857377.25	1.13597	0.46928	0.4671	0.76792	1.86E-01	3.64E-01	9.06E-02	5.65E-02	6.97E-01	1.83E-01	1.58E-05	9.93E-04	1.65E-03	1.86E-01	2.22E-01	3.64E-01	9.06E-02	5.65E-02	7.33E-01
4337	477363.09	3857377.25	0.90856	0.41581	0.5005	0.8175	1.49E-01	3.23E-01	9.70E-02	6.02E-02	6.28E-01	1.46E-01	1.40E-05	1.06E-03	1.76E-03	1.49E-01	1.78E-01	3.23E-01	9.70E-02	6.02E-02	6.58E-01
4338	477863.09	3857377.25	0.64286	0.36089	0.5168	0.80057	1.05E-01	2.80E-01	1.00E-01	5.89E-02	5.44E-01	1.04E-01	1.21E-05	1.10E-03	1.72E-03	1.06E-01	1.26E-01	2.80E-01	1.00E-01	5.89E-02	5.65E-01
4339	478363.09	3857377.25	0.51915	0.34111	0.5594	0.81454	8.49E-02	2.65E-01	1.08E-01	6.00E-02	5.18E-01	8.37E-02	1.15E-05	1.19E-03	1.75E-03	8.66E-02	1.02E-01	2.65E-01	1.08E-01	6.00E-02	5.35E-01
4340	478863.09	3857377.25	0.45859	0.31925	0.5692	0.83875	7.50E-02	2.48E-01	1.10E-01	6.18E-02	4.95E-01	7.39E-02	1.07E-05	1.21E-03	1.81E-03	7.69E-02	8.97E-02	2.48E-01	1.10E-01	6.18E-02	5.10E-01
4341	479363.09	3857377.25	0.67578	0.40394	0.5938	0.95159	1.11E-01	3.13E-01	1.15E-01	7.01E-02	6.09E-01	1.09E-01	1.36E-05	1.26E-03	2.05E-03	1.12E-01	1.32E-01	3.13E-01	1.15E-01	7.01E-02	6.31E-01
4342	479863.09	3857377.25	1.88955	0.659	0.7269	1.27581	3.09E-01	5.11E-01	1.41E-01	9.39E-02	1.06E+00	3.04E-01	2.21E-05	1.55E-03	2.75E-03	3.09E-01	3.70E-01	5.11E-01	1.41E-01	9.39E-02	1.12E+00
4343	480363.09	3857377.25	1.30579	0.5977	0.7683	1.2967	2.14E-01	4.64E-01	1.49E-01	9.55E-02	9.22E-01	2.10E-01	2.01E-05	1.63E-03	2.79E-03	2.15E-01	2.56E-01	4.64E-01	1.49E-01	9.55E-02	9.64E-01
4344	480863.09	3857377.25	6.42567	1.95299	0.9693	1.49492	1.05E+00	1.51E+00	1.88E-01	1.10E-01	2.86E+00	1.04E+00	6.56E-05	2.06E-03	3.22E-03	1.04E+00	1.26E+00	1.52E+00	1.88E-01	1.10E-01	3.07E+00
4345	481363.09	3857377.25	6.70294	1.99602	0.9988	1.57859	1.10E+00	1.55E+00	1.94E-01	1.16E-01	2.95E+00	1.08E+00	6.70E-05	2.12E-03	3.40E-03	1.09E+00	1.31E+00	1.55E+00	1.94E-01	1.16E-01	3.17E+00
4346	481863.09	3857377.25	7.48207	2.63935	1.0795	1.81618	1.22E+00	2.05E+00	2.09E-01	1.34E-01	3.61E+00	1.21E+00	8.87E-05	2.30E-03	3.91E-03	1.21E+00	1.46E+00	2.05E+00	2.09E-01	1.34E-01	3.85E+00
4347	482363.09	3857377.25	7.64955	5.06024	1.1485	1.53258	1.25E+00	3.93E+00	2.23E-01	1.13E-01	5.51E+00	1.23E+00	1.70E-04	2.44E-03	3.30E-03	1.24E+00	1.50E+00	3.93E+00	2.23E-01	1.13E-01	5.76E+00
4348	482863.09	3857377.25	7.71049	6.78437	1.502	1.60609	1.26E+00	5.26E+00	2.91E-01	1.18E-01	6.93E+00	1.24E+00	2.28E-04	3.19E-03	3.46E-03	1.25E+00	1.51E+00	5.26E+00	2.91E-01	1.18E-01	7.18E+00
4349	483363.09	3857377.25	8.07411	8.271	1.8654	1.56985	1.32E+00	6.42E+00	3.62E-01	1.16E-01	8.21E+00	1.30E+00	2.78E-04	3.97E-03	3.38E-03	1.31E+00	1.58E+00	6.42E+00	3.62E-01	1.16E-01	8.47E+00
4350	483863.09	3857377.25	8.67901	11.5665	2.1265	1.79592	1.42E+00	8.97E+00	4.12E-01	1.32E-01	1.09E+01	1.40E+00	3.89E-04	4.52E-03	3.87E-03	1.41E+00	1.70E+00	8.97E+00	4.12E-01	1.32E-01	1.12E+01
4351	484363.09	3857377.25	9.47681	16.9801	2.5869	1.22259	1.55E+00	1.32E+01	5.02E-01	9.00E-02	1.53E+01	1.53E+00	5.70E-04	5.50E-03	2.63E-03	1.54E+00	1.85E+00	1.32E+01	5.02E-01	9.00E-02	1.56E+01
4352	484863.09	3857377.25	10.488	20.0916	3.2924	1.36167	1.72E+00	1.56E+01	6.38E-01	1.00E-01	1.80E+01	1.69E+00	6.75E-04	7.00E-03	2.93E-03	1.70E+00	2.05E+00	1.56E+01	6.38E-01	1.00E-01	1.84E+01
4353	485363.09	3857377.25	12.2194	27.3947	4.1041	2.00248	2.00E+00	2.13E+01	7.96E-01	1.47E-01	2.42E+01	1.97E+00	9.20E-04	8.73E-03	4.31E-03	1.98E+00	2.39E+00	2.13E+01	7.96E-01	1.47E-01	2.46E+01
4354	485863.09	3857377.25	15.2974	19.5407	4.7341	1.85731	2.50E+00	1.52E+01	9.18E-01	1.37E-01	1.87E+01	2.46E+00	6.56E-04	1.01E-02	4.00E-03	2.48E+00	2.99E+00	1.52E+01	9.18E-01	1.37E-01	1.92E+01
4355	486363.09	3857377.25	21.6131	9.21402	5.4973	2.16051	3.54E+00	7.15E+00	1.07E+00	1.59E-01	1.19E+01	3.48E+00	3.10E-04	1.17E-02	4.65E-03	3.50E+00	4.23E+00	7.15E+00	1.07E+00	1.59E-01	1.26E+01
4356	486863.09	3857377.25	37.5284	4.08712	5.0714	2.24642	6.14E+00	3.17E+00	9.83E-01	1.65E-01	1.05E+01	6.05E+00	1.37E-04	1.08E-02	4.84E-03	6.06E+00	7.34E+00	3.17E+00	9.83E-01	1.65E-01	1.17E+01
4357	487363.09	3857377.25	35.4375	3.28256	4.2718	2.29658	5.80E+00	2.55E+00	8.28E-01	1.69E-01	9.34E+00	5.71E+00	1.10E-04	9.08E-03	4.94E-03	5.72E+00	6.93E+00	2.55E+00	8.28E-01	1.69E-01	1.05E+01
4358	487863.09	3857377.25	28.745	4.29999	9.09	2.57275	4.70E+00	3.34E+00	1.76E+00	1.89E-01	9.99E+00	4.63E+00	1.44E-04	1.93E-02	5.54E-03	4.66E+00	5.62E+00	3.34E+00	1.76E+00	1.89E-01	1.09E+01
4359	488363.09	3857377.25	23.4151	4.71768	11.728	2.53366	3.83E+00	3.66E+00	2.27E+00	1.87E-01	9.95E+00	3.77E+00	1.58E-04	2.49E-02	5.45E-03	3.80E+00	4.58E+00	3.66E+00	2.27E+00	1.87E-01	1.07E+01
4360	488863.09	3857377.25	18.7527	4.83394	23.607	2.48475	3.07E+00	3.75E+00	4.58E+00	1.83E-01	1.16E+01	3.02E+00	1.62E-04	5.02E-02	5.35E-03	3.08E+00	3.67E+00	3.75E+00	4.58E+00	1.83E-01	1.22E+01
4361	489363.09	3857377.25	15.4975	4.61195	17.845	2.36836	2.53E+00	3.58E+00	3.46E+00	1.74E-01	9.75E+00	2.50E+00	1.55E-04	3.79E-02	5.10E-03	2.54E+00	3.03E+00	3.58E+00	3.46E+00	1.74E-01	1.02E+01
4362	489863.09	3857377.25	13.0918	3.76076	17.953	2.16306	2.14E+00	2.92E+00	3.48E+00	1.59E-01	8.70E+00	2.11E+00	1.26E-04	3.82E-02	4.66E-03	2.15E+00	2.56E+00	2.92E+00	3.48E+00	1.59E-01	9.12E+00
4363	490363.09	3857377.25	11.1551	3.27308	20.555	2.25385	1.82E+00	2.54E+00	3.99E+00	1.66E-01	8.52E+00	1.80E+00	1.10E-04	4.37E-02	4.85E-03	1.85E+00	2.18E+00	2.54E+00	3.99E+00	1.66E-01	8.87E+00
4364	490863.09	3857377.25	9.71844	2.70381	22.482	2.43059	1.59E+00	2.10E+00	4.36E+00	1.79E-01	8.23E+00	1.57E+00	9.08E-05	4.78E-02	5.23E-03	1.62E+00	1.90E+00	2.10E+00	4.36E+00	1.79E-01	8.54E+00
4365	491363.09	3857377.25	8.69053	2.35378	24.222	2.14786	1.42E+00	1.83E+00	4.70E+00	1.58E-01	8.10E+00	1.40E+00	7.91E-05	5.15E-02	4.62E-03	1.46E+00	1.70E+00	1.83E+00	4.70E+00	1.58E-01	8.38E+00
4366	491863.09	3857377.25	7.97782	1.75637	23.617	2.1506	1.30E+00	1.36E+00	4.58E+00	1.58E-01	7.41E+00	1.29E+00	5.90E-05	5.02E-02	4.63E-03	1.34E+00	1.56E+00	1.36E+00	4.58E+00	1.58E-01	7.66E+00
4367	492363.09	3857377.25	5.46943	0.74637	23.028	1.9933	8.95E-01	5.79E-01	4.47E+00	1.47E-01	6.09E+00	8.81E-01	2.51E-05	4.90E-02	4.29E-03	9.35E-01	1.07E+00	5.79E-01	4.47E+00	1.47E-01	6.26E+00
4368	492863.09	3857377.25	2.15857	0.5406	17.848	1.6526	3.53E-01	4.19E-01	3.46E+00	1.22E-01	4.35E+00	3.48E-01	1.82E-05	3.79E-02	3.56E-03	3.89E-01	4.22E-01	4.19E-01	3.46E+00	1.22E-01	4.42E+00
4369	493363.09	3857377.25	1.04192	0.46269	11.513	1.28814	1.70E-01	3.59E-01	2.23E+00	9.48E-02	2.86E+00	1.68E-01	1.55E-05	2.45E-02	2.77E-03	1.95E-01	2.04E-01	3.59E-01	2.23E+00	9.48E-02	2.89E+00
4370	493863.09	3857377.25	0.80979	0.40464	9.2313	1.1822	1.32E-01	3.14E-01	1.79E+00	8.70E-02	2.32E+00	1.30E-01	1.36E-05	1.96E-02	2.54E-03	1.53E-01	1.58E-01	3.14E-01	1.79E+00	8.70E-02	2.35E+00
4371	494363.09	3857377.25	0.6286	0.37505	7.714	1.15986	1.03E-01	2.91E-01	1.50E+00	8.54E-02	1.97E+00	1.01E-01	1.26E-05	1.64E-02	2.50E-03	1.20E-01	1.23E-01	2.91E-01	1.50E+00	8.54E-02	2.00E+00
4372	494863.09	3857377.25	0.56528	0.36838	7.2071	1.12511	9.25E-02	2.86E-01	1.40E+00	8.28E-02	1.86E+00	9.11E-02	1.24E-05	1.53E-02	2.42E-03	1.09E-01	1.11E-01	2.86E-01	1.40E+00	8.28E-02	1.88E+00
4373	495363.09	3857377.25	0.51895	0.35066	6.5684	1.08261	8.49E-02	2.72E-01	1.27E+00	7.97E-02	1.71E+00	8.36E-02	1.18E-05	1.40E-02	2.33E-03	9.99E-02	1.02E-01	2.72E-01	1.27E+00	7.97E-02	1.73E+00
4374	495863.09	3857377.25	0.50773	0.35677	6.5213	1.11678	8.30E-02	2.77E-01	1.26E+00	8.22E-02	1.71E+00	8.18E-02	1.20E-05	1.39E-02	2.40E-03	9.81E-02	9.94E-02	2.77E-01	1.26E+00	8.22E-02	1.72E+00
4375	496363.09	3857377.25	0.50522	0.3412	6.2484	1.08085	8.26E-02	2.65E-01	1.21E+00	7.96E-02	1.64E+00	8.14E-02	1.15E-05	1.33E-02	2.33E-03	9.70E-02	9.89E-02	2.65E-01	1.21E+00	7.96E-02	1.65E+00
4376	496863.09	3857377.25	0.51319	0.33353	6.248	1.03958	8.39E-02	2.59E-01	1.21E+00	7.65E-02	1.63E+00	8.27E-02	1.12E-05	1.33E-02	2.24E-03	9.82E-02	1.00E-01	2.59E-01	1.21E+00	7.65E-02	1.65E+00
4377	497363.09	3857377.25	0.56127	0.34573	6.4136	1.07226	9.18E-02	2.68E-01	1.24E+00	7.89E-02	1.68E+00	9.04E-02	1.16E-05	1.36E-02	2.31E-03	1.06E-01	1.10E-01	2.68E-01	1.24E+00	7.89E-02	1.70E+00
4378	497863.09	3857377.25	0.65821	0.36598	6.8154	1.16218	1.08E-01	2.84E-01	1.32E+00	8.56E-02	1.80E+00	1.06E-01	1.23E-05	1.45E-02	2.50E-03	1.23E-01	1.29E-01	2.84E-01	1.32E+00	8.56E-02	1.82E+00
4379	498363.09	3857377.25	1.044	0.39163	7.3107	1.29677	1.71E-01	3.04E-01	1.42E+00	9.55E-02	1.99E+00	1.68E-01	1.32E-05	1.55E-02	2.79E-03	1.87E-01	2.04E-01	3.04E-01	1.42E+00	9.55E-02	2.02E+00
4380	471363.09	3857877.25	2.15105	0.78982	0.4057	0.48572	3.52E-01	6.13E-01	7.87E-02	3.58E-02	1.08E+00	3.47E-01	2.65E-05	8.63E-04	1.05E-03	3.49E-01	4.21E-01	6.13E-01	7.87E-02	3.58E-02	1.15E+00
4381	471863.09	3857877.25	2.22147	0.77865	0.4167	0.50298	3.63E-01	6.04E-01	8.08E-02	3.70E-02	1.09E+00	3.58E-01	2.62E-05	8.86E-04	1.08E-03	3.60E-01	4.35E-01	6.04E-01	8.08E-02	3.70E-02	1.16E+00
4382	472363.09	3857877.25	2.31773	0.79222	0.4294	0.51673	3.79E-01	6.15E-01	8.33E-02	3.80E-02	1.11E+00	3.73E-01	2.66E-05	9.13E-04	1.11E-03	3.76E-01	4.54E-01	6.15E-01	8.33E-02	3.80E-02	1.19E+00
4383	472863.09	3857877.25	2.47002	0.8369	0.4432	0.52353	4.04E-01	6.49E-01	8.59E-02	3.85E-02	1.18E+00	3.98E-01	2.81E-05	9.42E-04	1.13E-03	4.00E-01	4.83E-01	6.49E-01	8.59E-02	3.85E-02	1.26E+00
4384	473363.09	3857877.25	2.56258	0.84285	0.458	0.54901	4.19E-01	6.54E-01	8.88E-02	4.04E-02	1.20E+00	4.13E-01	2.83E-05	9.74E-04	1.18E-03	4.15E-01	5.01E-01	6.54E-01	8.88E-02	4.04E-02	1.28E+00
4385	473863.09	3857877.25	2.71111	0.90161	0.4741	0.59573	4.43E-01	6.99E-01	9.19E-02	4.39E-02	1.28E+00	4.37E-01	3.03E-05	1.01E-03	1.28E-03	4.39E-01	5.31E-01	6.99E-01	9.19E-02	4.39E-02	1.37E+00
4386	474363.09	3857877.25	2.44759	0.7064	0.5006	0.63891	4.00E-01	5.48E-01	9.71E-02	4.70E-02	1.09E+00	3.94E-01	2.37E-05	1.06E-03	1.38E-03	3.97E-01	4.79E-01	5.48E-01	9.71E-02	4.70E-02	1.17E+00
4387	474863.09	3857877.25	1.60716	0.47235	0.5098	0.6669	2.63E-01	3.66E-01	9.89E-02	4.91E-02	7.77E-01	2.59E-01	1.59E-05	1.08E-03	1.44E-03	2.61E-01	3.14E-01	3.66E-01	9.89E-02	4.91E-02	8.29E-01
4388	475363.09	3857877.25	0.66111	0.31353	0.5008	0.62618	1.08E-01	2.43E-01	9.71E-02	4.61E-02	4.95E-01	1.07E-01	1.05E-05	1.06E-03	1.35E-03	1.09E-01	1.29E-01	2.43E-01	9.71E-02	4.61E-02	5.16E-01

4389	475863.09	3857877.25	0.32915	0.21118	0.511	0.53226	5.38E-02	1.64E-01	9.91E-02	3.92E-02	3.56E-01	5.30E-02	7.09E-06	1.09E-03	1.15E-03	5.53E-02	6.44E-02	1.64E-01	9.91E-02	3.92E-02	3.67E-01
4390	476363.09	3857877.25	0.70342	0.32957	0.5449	0.63866	1.15E-01	2.56E-01	1.06E-01	4.70E-02	5.23E-01	1.13E-01	1.11E-05	1.16E-03	1.37E-03	1.16E-01	1.38E-01	2.56E-01	1.06E-01	4.70E-02	5.46E-01
4391	476863.09	3857877.25	0.8648	0.37898	0.6012	0.73481	1.41E-01	2.94E-01	1.17E-01	5.41E-02	6.06E-01	1.39E-01	1.27E-05	1.28E-03	1.58E-03	1.42E-01	1.69E-01	2.94E-01	1.17E-01	5.41E-02	6.34E-01
4392	477363.09	3857877.25	0.82593	0.38205	0.6297	0.79138	1.35E-01	2.96E-01	1.22E-01	5.83E-02	6.12E-01	1.33E-01	1.28E-05	1.34E-03	1.70E-03	1.36E-01	1.62E-01	2.96E-01	1.22E-01	5.83E-02	6.38E-01
4393	477863.09	3857877.25	0.77744	0.3821	0.6614	0.82228	1.27E-01	2.96E-01	1.28E-01	6.05E-02	6.12E-01	1.25E-01	1.28E-05	1.41E-03	1.77E-03	1.28E-01	1.52E-01	2.96E-01	1.28E-01	6.05E-02	6.37E-01
4394	478363.09	3857877.25	0.48694	0.30643	0.658	0.80746	7.96E-02	2.38E-01	1.28E-01	5.94E-02	5.04E-01	7.85E-02	1.03E-05	1.40E-03	1.74E-03	8.16E-02	9.53E-02	2.38E-01	1.28E-01	5.94E-02	5.20E-01
4395	478863.09	3857877.25	0.42061	0.25365	0.6588	0.81297	6.88E-02	1.97E-01	1.28E-01	5.99E-02	4.53E-01	6.78E-02	8.52E-06	1.40E-03	1.75E-03	7.09E-02	8.23E-02	1.97E-01	1.28E-01	5.99E-02	4.67E-01
4396	479363.09	3857877.25	1.82964	0.6349	0.7797	1.29402	2.99E-01	4.92E-01	1.51E-01	9.53E-02	1.04E+00	2.95E-01	2.13E-05	1.66E-03	2.79E-03	2.99E-01	3.58E-01	4.93E-01	1.51E-01	9.53E-02	1.10E+00
4397	479863.09	3857877.25	4.6832	1.27197	0.833	1.47029	7.66E-01	9.87E-01	1.62E-01	1.08E-01	2.02E+00	7.55E-01	4.27E-05	1.77E-03	3.17E-03	7.60E-01	9.16E-01	9.87E-01	1.62E-01	1.08E-01	2.17E+00
4398	480363.09	3857877.25	5.59382	1.9095	0.8938	1.52218	9.15E-01	1.48E+00	1.73E-01	1.12E-01	2.68E+00	9.01E-01	6.41E-05	1.90E-03	3.28E-03	9.07E-01	1.09E+00	1.48E+00	1.73E-01	1.12E-01	2.86E+00
4399	480863.09	3857877.25	5.92103	2.04988	0.9652	1.37838	9.68E-01	1.59E+00	1.87E-01	1.01E-01	2.85E+00	9.54E-01	6.89E-05	2.05E-03	2.97E-03	9.59E-01	1.16E+00	1.59E+00	1.87E-01	1.01E-01	3.04E+00
4400	481363.09	3857877.25	6.2734	2.16615	1.0378	1.53967	1.03E+00	1.68E+00	2.01E-01	1.13E-01	3.02E+00	1.01E+00	7.28E-05	2.21E-03	3.31E-03	1.02E+00	1.23E+00	1.68E+00	2.01E-01	1.13E-01	3.22E+00
4401	481863.09	3857877.25	6.71768	2.56344	1.1097	1.56317	1.10E+00	1.99E+00	2.15E-01	1.15E-01	3.42E+00	1.08E+00	8.61E-05	2.36E-03	3.37E-03	1.09E+00	1.31E+00	1.99E+00	2.15E-01	1.15E-01	3.63E+00
4402	482363.09	3857877.25	7.20113	3.70271	1.2014	1.52748	1.18E+00	2.87E+00	2.33E-01	1.12E-01	4.40E+00	1.16E+00	1.24E-04	2.55E-03	3.29E-03	1.17E+00	1.41E+00	2.87E+00	2.33E-01	1.12E-01	4.63E+00
4403	482863.09	3857877.25	6.85067	5.5169	1.3587	1.56382	1.12E+00	4.28E+00	2.63E-01	1.15E-01	5.78E+00	1.10E+00	1.85E-04	2.89E-03	3.37E-03	1.11E+00	1.34E+00	4.28E+00	2.63E-01	1.15E-01	6.00E+00
4404	483363.09	3857877.25	7.13089	6.29418	1.5662	1.30103	1.17E+00	4.88E+00	3.04E-01	9.58E-02	6.45E+00	1.15E+00	2.11E-04	3.33E-03	2.80E-03	1.16E+00	1.40E+00	4.88E+00	3.04E-01	9.58E-02	6.68E+00
4405	483863.09	3857877.25	7.65969	7.54215	1.8414	1.11056	1.25E+00	5.85E+00	3.57E-01	8.18E-02	7.54E+00	1.23E+00	2.53E-04	3.92E-03	2.39E-03	1.24E+00	1.50E+00	5.85E+00	3.57E-01	8.18E-02	7.79E+00
4406	484363.09	3857877.25	8.14449	10.0353	2.1217	1.08064	1.33E+00	7.78E+00	4.11E-01	7.96E-02	9.61E+00	1.31E+00	3.37E-04	4.51E-03	2.33E-03	1.32E+00	1.59E+00	7.78E+00	4.11E-01	7.96E-02	9.87E+00
4407	484863.09	3857877.25	8.74112	11.6912	2.6813	1.36792	1.43E+00	9.07E+00	5.20E-01	1.01E-01	1.11E+01	1.41E+00	3.93E-04	5.70E-03	2.94E-03	1.42E+00	1.71E+00	9.07E+00	5.20E-01	1.01E-01	1.14E+01
4408	485363.09	3857877.25	9.88829	13.1415	3.5391	1.54804	1.62E+00	1.02E+01	6.86E-01	1.14E-01	1.26E+01	1.59E+00	4.41E-04	7.52E-03	3.33E-03	1.60E+00	1.93E+00	1.02E+01	6.86E-01	1.14E-01	1.29E+01
4409	485863.09	3857877.25	11.7517	18.5898	4.9612	1.49426	1.92E+00	1.44E+01	9.62E-01	1.10E-01	1.74E+01	1.89E+00	6.24E-04	1.05E-02	3.22E-03	1.91E+00	2.30E+00	1.44E+01	9.62E-01	1.10E-01	1.78E+01
4410	486363.09	3857877.25	15.026	29.5997	6.8188	2.15493	2.46E+00	2.30E+01	1.32E+00	1.59E-01	2.69E+01	2.42E+00	9.94E-04	1.45E-02	4.64E-03	2.44E+00	2.94E+00	2.30E+01	1.32E+00	1.59E-01	2.74E+01
4411	486863.09	3857877.25	18.354	12.9215	11.161	1.57333	3.00E+00	1.00E+01	2.16E+00	1.16E-01	1.53E+01	2.96E+00	4.34E-04	2.37E-02	3.39E-03	2.98E+00	3.59E+00	1.00E+01	2.16E+00	1.16E-01	1.59E+01
4412	487363.09	3857877.25	22.909	8.56912	18.44	1.87849	3.75E+00	6.65E+00	3.58E+00	1.38E-01	1.41E+01	3.69E+00	2.88E-04	3.92E-02	4.04E-03	3.73E+00	4.48E+00	6.65E+00	3.58E+00	1.38E-01	1.48E+01
4413	487863.09	3857877.25	20.6792	7.06305	37.31	2.28037	3.38E+00	5.48E+00	7.23E+00	1.68E-01	1.63E+01	3.33E+00	2.37E-04	7.93E-02	4.91E-03	3.42E+00	4.05E+00	5.48E+00	7.23E+00	1.68E-01	1.69E+01
4414	488363.09	3857877.25	22.0828	6.48758	116.59	2.24654	3.61E+00	5.03E+00	2.26E+01	1.65E-01	3.14E+01	3.56E+00	2.18E-04	2.48E-01	4.84E-03	3.81E+00	4.32E+00	5.03E+00	2.26E+01	1.65E-01	3.21E+01
4415	488863.09	3857877.25	21.121	6.0886	48.511	2.1938	3.45E+00	4.72E+00	9.41E+00	1.62E-01	1.77E+01	3.40E+00	2.05E-04	1.03E-01	4.72E-03	3.51E+00	4.13E+00	4.72E+00	9.41E+00	1.62E-01	1.84E+01
4416	489363.09	3857877.25	17.6819	5.38324	34.484	2.15345	2.89E+00	4.18E+00	6.69E+00	1.59E-01	1.39E+01	2.85E+00	1.81E-04	7.33E-02	4.64E-03	2.93E+00	3.46E+00	4.18E+00	6.69E+00	1.59E-01	1.45E+01
4417	489863.09	3857877.25	15.1611	4.41371	31.698	2.13528	2.48E+00	3.42E+00	6.15E+00	1.57E-01	1.22E+01	2.44E+00	1.48E-04	6.74E-02	4.60E-03	2.52E+00	2.97E+00	3.42E+00	6.15E+00	1.57E-01	1.27E+01
4418	490363.09	3857877.25	12.7499	3.91817	29.785	2.28543	2.09E+00	3.04E+00	5.78E+00	1.68E-01	1.11E+01	2.05E+00	1.32E-04	6.33E-02	4.92E-03	2.12E+00	2.49E+00	3.04E+00	5.78E+00	1.68E-01	1.15E+01
4419	490863.09	3857877.25	11.2557	3.42681	27.035	2.08536	1.84E+00	2.66E+00	5.24E+00	1.54E-01	9.89E+00	1.81E+00	1.15E-04	5.75E-02	4.49E-03	1.88E+00	2.20E+00	2.66E+00	5.24E+00	1.54E-01	1.03E+01
4420	491363.09	3857877.25	9.889	2.3394	25.022	2.31848	1.62E+00	1.81E+00	4.85E+00	1.71E-01	8.45E+00	1.59E+00	7.86E-05	5.32E-02	4.99E-03	1.65E+00	1.94E+00	1.81E+00	4.85E+00	1.71E-01	8.77E+00
4421	491863.09	3857877.25	8.25956	1.46075	22.746	2.54709	1.35E+00	1.13E+00	4.41E+00	1.88E-01	7.08E+00	1.33E+00	4.91E-05	4.84E-02	5.48E-03	1.38E+00	1.62E+00	1.13E+00	4.41E+00	1.88E-01	7.35E+00
4422	492363.09	3857877.25	4.49363	0.7158	19.278	2.10907	7.35E-01	5.55E-01	3.74E+00	1.55E-01	5.18E+00	7.24E-01	2.40E-05	4.10E-02	4.54E-03	7.70E-01	8.79E-01	5.55E-01	3.74E+00	1.55E-01	5.33E+00
4423	492863.09	3857877.25	1.68928	0.60517	14.001	1.59454	2.76E-01	4.69E-01	2.71E+00	1.17E-01	3.58E+00	2.72E-01	2.03E-05	2.98E-02	3.43E-03	3.05E-01	3.31E-01	4.69E-01	2.71E+00	1.17E-01	3.63E+00
4424	493363.09	3857877.25	1.23379	0.48333	11.177	1.53178	2.02E-01	3.75E-01	2.17E+00	1.13E-01	2.86E+00	1.99E-01	1.62E-05	2.38E-02	3.30E-03	2.26E-01	2.41E-01	3.75E-01	2.17E+00	1.13E-01	2.90E+00
4425	493863.09	3857877.25	1.05065	0.45114	9.9894	1.46744	1.72E-01	3.50E-01	1.94E+00	1.08E-01	2.57E+00	1.69E-01	1.52E-05	2.12E-02	3.16E-03	1.94E-01	2.06E-01	3.50E-01	1.94E+00	1.08E-01	2.60E+00
4426	494363.09	3857877.25	0.94487	0.44543	9.0707	1.38596	1.55E-01	3.46E-01	1.76E+00	1.02E-01	2.36E+00	1.52E-01	1.50E-05	1.93E-02	2.98E-03	1.75E-01	1.85E-01	3.46E-01	1.76E+00	1.02E-01	2.39E+00
4427	494863.09	3857877.25	0.76334	0.40886	7.8844	1.32409	1.25E-01	3.17E-01	1.53E+00	9.75E-02	2.07E+00	1.23E-01	1.37E-05	1.68E-02	2.85E-03	1.43E-01	1.49E-01	3.17E-01	1.53E+00	9.75E-02	2.09E+00
4428	495363.09	3857877.25	0.71556	0.39778	7.2387	1.27184	1.17E-01	3.09E-01	1.40E+00	9.36E-02	1.92E+00	1.15E-01	1.34E-05	1.54E-02	2.74E-03	1.33E-01	1.40E-01	3.09E-01	1.40E+00	9.36E-02	1.95E+00
4429	495863.09	3857877.25	0.67114	0.38884	6.7604	1.23205	1.10E-01	3.02E-01	1.31E+00	9.07E-02	1.81E+00	1.08E-01	1.31E-05	1.44E-02	2.65E-03	1.25E-01	1.31E-01	3.02E-01	1.31E+00	9.07E-02	1.83E+00
4430	496363.09	3857877.25	0.6919	0.39389	6.6156	1.23739	1.13E-01	3.06E-01	1.28E+00	9.11E-02	1.79E+00	1.11E-01	1.32E-05	1.41E-02	2.66E-03	1.28E-01	1.35E-01	3.06E-01	1.28E+00	9.11E-02	1.81E+00
4431	496863.09	3857877.25	0.71326	0.4009	6.4661	1.23047	1.17E-01	3.11E-01	1.25E+00	9.06E-02	1.77E+00	1.15E-01	1.35E-05	1.37E-02	2.65E-03	1.31E-01	1.40E-01	3.11E-01	1.25E+00	9.06E-02	1.79E+00
4432	497363.09	3857877.25	0.72241	0.38721	6.2263	1.25943	1.18E-01	3.00E-01	1.21E+00	9.27E-02	1.72E+00	1.16E-01	1.30E-05	1.32E-02	2.71E-03	1.32E-01	1.41E-01	3.00E-01	1.21E+00	9.27E-02	1.74E+00
4433	497863.09	3857877.25	0.96268	0.395	6.5906	1.2883	1.57E-01	3.06E-01	1.28E+00	9.48E-02	1.84E+00	1.55E-01	1.33E-05	1.40E-02	2.77E-03	1.72E-01	1.88E-01	3.06E-01	1.28E+00	9.48E-02	1.87E+00
4434	498363.09	3857877.25	1.45993	0.40762	7.0758	1.39493	2.39E-01	3.16E-01	1.37E+00	1.03E-01	2.03E+00	2.35E-01	1.37E-05	1.50E-02	3.00E-03	2.53E-01	2.86E-01	3.16E-01	1.37E+00	1.03E-01	2.08E+00
4435	471363.09	3858377.25	2.32277	0.88686	0.3869	0.49504	3.80E-01	6.88E-01	7.50E-02	3.64E-02	1.18E+00	3.74E-01	2.98E-05	8.23E-04	1.07E-03	3.76E-01	4.55E-01	6.88E-01	7.50E-02	3.64E-02	1.25E+00
4436	471863.09	3858377.25	2.35279	0.86478	0.3971	0.52054	3.85E-01	6.71E-01	7.70E-02	3.83E-02	1.17E+00	3.79E-01	2.90E-05	8.44E-04	1.12E-03	3.81E-01	4.60E-01	6.71E-01	7.70E-02	3.83E-02	1.25E+00
4437	472363.09	3858377.25	2.40996	0.85682	0.4111	0.5337	3.94E-01	6.65E-01	7.97E-02	3.93E-02	1.18E+00	3.88E-01	2.88E-05	8.74E-04	1.15E-03	3.90E-01	4.72E-01	6.65E-01	7.97E-02	3.93E-02	1.26E+00
4438	472863.09	3858377.25	2.51301	0.88585	0.4242	0.59167	4.11E-01	6.87E-01	8.22E-02	4.36E-02	1.22E+00	4.05E-01	2.98E-05	9.02E-04	1.27E-03	4.07E-01	4.92E-01	6.87E-01	8.22E-02	4.36E-02	1.30E+00
4439	473363.09	3858377.25	2.72498	1.04891	0.4339	0.64724	4.46E-01	8.14E-01	8.41E-02	4.77E-02	1.39E+00	4.39E-01	3.52E-05	9.22E-04	1.39E-03	4.41E-01	5.33E-01	8.14E-01	8.41E-02	4.77E-02	1.48E+00
4440	473863.09	3858377.25	2.78781	0.92225	0.4639	0.74119	4.56E-01	7.15E-01	9.00E-02	5.46E-02	1.32E+00	4.49E-01	3.10E-05	9.86E-04	1.60E-03	4.52E-01	5.46E-01	7.15E-01	9.00E-02	5.46E-02	1.41E+00
4441	474363.09	3858377.25	2.43463	0.69181	0.4898	0.76036	3.98E-01	5.37E-01	9.50E-02	5.60E-02	1.09E+00	3.92E-01	2.32E-05	1.04E-03	1.64E-03	3.95E-01	4.76E-01	5.37E-01	9.50E-02	5.60E-02	1.16E+00
4442	474863.09	3858377.25	1.69996	0.50705	0.5122	0.75142	2.78E-01	3.93E-01	9.93E-02	5.53E-02	8.26E-01	2.74E-01	1.70E-05	1.09E-03	1.62E-03	2.77E-01	3.33E-01	3.93E-01	9.93E-02	5.53E-02	8.81E-01
4443	475363.09	3858377.25	0.83666	0.36438	0.5044	0.6801	1.37E-01	2.83E-01	9.78E-02	5.01E-02	5.67E-01	1.35E-01	1.22E-05	1.07E-03	1.46E-03	1.37E-01	1.64E-01	2.83E-01	9.78E-02	5.01E-02	5.94E-01
4444	475863.09	3858377.25	0.57902	0.29824	0.5267	0.65387	9.47E-02	2.31E-01	1.02E-01	4.81E-02	4.76E-01	9.33E-02	1.00E-05	1.12E-03	1.41E-03	9.58E-02	1.13E-01	2.31E-01	1.02E-01	4.81E-02	4.95E-01
4445	476363.09	3858377.25	0.60052	0.31691	0.5561	0.69079	9.82E-02	2.46E-01	1.08E-01	5.09E-02	5.03E-01	9.68E-02	1.06E-05	1.18E-03	1.49E-03	9.94E-02	1.18E-01	2.46E-01	1.08E-01	5.09E-02	5.22E-01
4446	476863.09	3858377.25	0.63711	0.34125	0.5894	0.76176	1.04E-01	2.65E-01	1.14E-01	5.61E-02	5.39E-01	1.03E-01	1.15E-05	1.25E-03	1.64E-03	1.06E-01	1.25E-01	2.65E-01	1.14E-01	5.61E-02	5.60E-01
4447	477363.09	3858377.25	0.59222	0.33363	0.6265	0.80292	9.69E-02	2.59E-01	1.21E-01	5.91E-02	5.36E-01	9.54E-02	1.12E-05	1.33E-03	1.73E-03	9.85E-02	1.16E-01	2.59E-01	1.21E-01	5.91E-02	5.55E-01
4448	477863.09	3858377.25	0.7777	0.41005	0.6686	0.94625	1.27E-01	3.18E-01	1.30E-01	6.97E-02	6.45E-01	1.25E-01	1.38E-05	1.42E-03	2.04E-03	1.29E-01	1.52E-01	3.18E-01	1.30E-01	6.97E-02	6.70E-01
4449	478363.09	3858377.25	0.81064	0.43551	0.7067	1.00834	1.33E-01	3.38E-01	1.37E-01	7.42E-02	6.82E-01	1.31E-01	1.46E-05	1.50E-03	2.17E-03	1.34E-01	1.59E-01	3.38E-01	1.37E-01	7.42E-02	7.08E-01

4450	478863.09	3858377.25	0.58351	0.35342	0.7545	0.86807	9.54E-02	2.74E-01	1.46E-01	6.39E-02	5.80E-01	9.40E-02	1.19E-05	1.60E-03	1.87E-03	9.75E-02	1.14E-01	2.74E-01	1.46E-01	6.39E-02	5.99E-01
4451	479363.09	3858377.25	2.07624	0.6602	0.885	1.12326	3.40E-01	5.12E-01	1.72E-01	8.27E-02	1.11E+00	3.35E-01	2.22E-05	1.88E-03	2.42E-03	3.39E-01	4.06E-01	5.12E-01	1.72E-01	8.27E-02	1.17E+00
4452	479863.09	3858377.25	4.85147	1.42003	1.0101	1.3101	7.94E-01	1.10E+00	1.96E-01	9.65E-02	2.19E+00	7.82E-01	4.77E-05	2.15E-03	2.82E-03	7.87E-01	9.49E-01	1.10E+00	1.96E-01	9.65E-02	2.34E+00
4453	480363.09	3858377.25	5.31273	1.98782	1.1151	1.40413	8.69E-01	1.54E+00	2.16E-01	1.03E-01	2.73E+00	8.56E-01	6.68E-05	2.37E-03	3.02E-03	8.62E-01	1.04E+00	1.54E+00	2.16E-01	1.03E-01	2.90E+00
4454	480863.09	3858377.25	5.51214	2.09091	1.2174	1.3552	9.02E-01	1.62E+00	2.36E-01	9.98E-02	2.86E+00	8.88E-01	7.02E-05	2.59E-03	2.92E-03	8.94E-01	1.08E+00	1.62E+00	2.36E-01	9.98E-02	3.04E+00
4455	481363.09	3858377.25	5.75145	2.30656	1.3559	1.36442	9.41E-01	1.79E+00	2.63E-01	1.00E-01	3.09E+00	9.27E-01	7.75E-05	2.88E-03	2.94E-03	9.33E-01	1.13E+00	1.79E+00	2.63E-01	1.00E-01	3.28E+00
4456	481863.09	3858377.25	6.08409	2.41709	1.4953	1.27738	9.95E-01	1.87E+00	2.90E-01	9.40E-02	3.25E+00	9.80E-01	8.12E-05	3.18E-03	2.75E-03	9.86E-01	1.19E+00	1.88E+00	2.90E-01	9.40E-02	3.45E+00
4457	482363.09	3858377.25	6.36441	2.8352	1.4665	1.28422	1.04E+00	2.20E+00	2.84E-01	9.45E-02	3.62E+00	1.03E+00	9.52E-05	3.12E-03	2.76E-03	1.03E+00	1.25E+00	2.20E+00	2.84E-01	9.45E-02	3.82E+00
4458	482863.09	3858377.25	6.58763	4.21933	1.6587	1.21936	1.08E+00	3.27E+00	3.22E-01	8.98E-02	4.76E+00	1.06E+00	1.42E-04	3.53E-03	2.62E-03	1.07E+00	1.29E+00	3.27E+00	3.22E-01	8.98E-02	4.97E+00
4459	483363.09	3858377.25	6.35191	5.68204	2.1424	1.14421	1.04E+00	4.41E+00	4.15E-01	8.42E-02	5.95E+00	1.02E+00	1.91E-04	4.56E-03	2.46E-03	1.03E+00	1.24E+00	4.41E+00	4.15E-01	8.42E-02	6.15E+00
4460	483863.09	3858377.25	6.60546	6.56669	2.6136	1.11557	1.08E+00	5.09E+00	5.07E-01	8.21E-02	6.76E+00	1.06E+00	2.21E-04	5.56E-03	2.40E-03	1.07E+00	1.29E+00	5.09E+00	5.07E-01	8.21E-02	6.98E+00
4461	484363.09	3858377.25	7.11733	8.00553	3.0031	1.20849	1.16E+00	6.21E+00	5.82E-01	8.90E-02	8.05E+00	1.15E+00	2.69E-04	6.39E-03	2.60E-03	1.16E+00	1.39E+00	6.21E+00	5.82E-01	8.90E-02	8.27E+00
4462	484863.09	3858377.25	7.68468	9.588	3.4122	1.26044	1.26E+00	7.44E+00	6.62E-01	9.28E-02	9.45E+00	1.24E+00	3.22E-04	7.25E-03	2.71E-03	1.25E+00	1.50E+00	7.44E+00	6.62E-01	9.28E-02	9.70E+00
4463	485363.09	3858377.25	8.5372	11.0896	3.7864	1.4932	1.40E+00	8.60E+00	7.34E-01	1.10E-01	1.08E+01	1.38E+00	3.73E-04	8.05E-03	3.21E-03	1.39E+00	1.67E+00	8.60E+00	7.34E-01	1.10E-01	1.11E+01
4464	485863.09	3858377.25	9.78568	14.7232	4.4294	1.88157	1.60E+00	1.14E+01	8.59E-01	1.39E-01	1.40E+01	1.58E+00	4.95E-04	9.42E-03	4.05E-03	1.59E+00	1.91E+00	1.14E+01	8.59E-01	1.39E-01	1.43E+01
4465	486363.09	3858377.25	11.7716	24.7778	5.8689	4.38621	1.93E+00	1.92E+01	1.14E+00	3.23E-01	2.26E+01	1.90E+00	8.32E-04	1.25E-02	9.44E-03	1.92E+00	2.30E+00	1.92E+01	1.14E+00	3.23E-01	2.30E+01
4466	486863.09	3858377.25	14.9978	27.2166	7.6606	4.4751	2.45E+00	2.11E+01	1.49E+00	3.29E-01	2.54E+01	2.42E+00	9.14E-04	1.63E-02	9.63E-03	2.44E+00	2.93E+00	2.11E+01	1.49E+00	3.29E-01	2.59E+01
4467	487363.09	3858377.25	17.5251	14.9622	8.4233	2.93318	2.87E+00	1.16E+01	1.63E+00	2.16E-01	1.63E+01	2.82E+00	5.03E-04	1.79E-02	6.31E-03	2.85E+00	3.43E+00	1.16E+01	1.63E+00	2.16E-01	1.69E+01
4468	487863.09	3858377.25	17.9647	11.1884	6.3825	3.22837	2.94E+00	8.68E+00	1.24E+00	2.38E-01	1.31E+01	2.89E+00	3.76E-04	1.36E-02	6.95E-03	2.92E+00	3.52E+00	8.68E+00	1.24E+00	2.38E-01	1.37E+01
4469	488363.09	3858377.25	17.7097	10.2848	10.824	2.90646	2.90E+00	7.98E+00	2.10E+00	2.14E-01	1.32E+01	2.85E+00	3.45E-04	2.30E-02	6.26E-03	2.88E+00	3.47E+00	7.98E+00	2.10E+00	2.14E-01	1.38E+01
4470	488863.09	3858377.25	17.4004	8.27157	34.278	2.75634	2.85E+00	6.42E+00	6.65E+00	2.03E-01	1.61E+01	2.80E+00	2.78E-04	7.29E-02	5.93E-03	2.88E+00	3.40E+00	6.42E+00	6.65E+00	2.03E-01	1.67E+01
4471	489363.09	3858377.25	16.658	6.80249	24.277	2.5213	2.72E+00	5.28E+00	4.71E+00	1.86E-01	1.29E+01	2.68E+00	2.29E-04	5.16E-02	5.43E-03	2.74E+00	3.26E+00	5.28E+00	4.71E+00	1.86E-01	1.34E+01
4472	489863.09	3858377.25	14.7852	5.70632	21.142	2.41145	2.42E+00	4.43E+00	4.10E+00	1.78E-01	1.11E+01	2.38E+00	1.92E-04	4.50E-02	5.19E-03	2.43E+00	2.89E+00	4.43E+00	4.10E+00	1.78E-01	1.16E+01
4473	490363.09	3858377.25	12.7816	4.66877	22.92	2.18744	2.09E+00	3.62E+00	4.44E+00	1.61E-01	1.03E+01	2.06E+00	1.57E-04	4.87E-02	4.71E-03	2.11E+00	2.50E+00	3.62E+00	4.44E+00	1.61E-01	1.07E+01
4474	490863.09	3858377.25	11.9887	4.04865	23.466	2.19562	1.96E+00	3.14E+00	4.55E+00	1.62E-01	9.81E+00	1.93E+00	1.36E-04	4.99E-02	4.73E-03	1.99E+00	2.35E+00	3.14E+00	4.55E+00	1.62E-01	1.02E+01
4475	491363.09	3858377.25	10.6813	2.63898	22.766	2.55845	1.75E+00	2.05E+00	4.41E+00	1.88E-01	8.40E+00	1.72E+00	8.86E-05	4.84E-02	5.51E-03	1.78E+00	2.09E+00	2.05E+00	4.41E+00	1.88E-01	8.74E+00
4476	491863.09	3858377.25	8.56206	1.2002	21.342	2.96413	1.40E+00	9.31E-01	4.14E+00	2.18E-01	6.69E+00	1.38E+00	4.03E-05	4.54E-02	6.38E-03	1.43E+00	1.68E+00	9.31E-01	4.14E+00	2.18E-01	6.96E+00
4477	492363.09	3858377.25	3.19612	0.69636	16.382	1.99218	5.23E-01	5.40E-01	3.18E+00	1.47E-01	4.39E+00	5.15E-01	2.34E-05	3.48E-02	4.29E-03	5.54E-01	6.25E-01	5.40E-01	3.18E+00	1.47E-01	4.49E+00
4478	492863.09	3858377.25	4.0149	0.68229	16.724	2.07296	6.57E-01	5.29E-01	3.24E+00	1.53E-01	4.58E+00	6.47E-01	2.29E-05	3.56E-02	4.46E-03	6.87E-01	7.86E-01	5.29E-01	3.24E+00	1.53E-01	4.71E+00
4479	493363.09	3858377.25	2.62273	0.61504	13.767	1.8595	4.29E-01	4.77E-01	2.67E+00	1.37E-01	3.71E+00	4.23E-01	2.07E-05	2.93E-02	4.00E-03	4.56E-01	5.13E-01	4.77E-01	2.67E+00	1.37E-01	3.80E+00
4480	493863.09	3858377.25	2.08383	0.58405	11.651	1.76891	3.41E-01	4.53E-01	2.26E+00	1.30E-01	3.18E+00	3.36E-01	1.96E-05	2.48E-02	3.81E-03	3.64E-01	4.08E-01	4.53E-01	2.26E+00	1.30E-01	3.25E+00
4481	494363.09	3858377.25	1.60526	0.53501	9.8007	1.68568	2.63E-01	4.15E-01	1.90E+00	1.24E-01	2.70E+00	2.59E-01	1.80E-05	2.08E-02	3.63E-03	2.83E-01	3.14E-01	4.15E-01	1.90E+00	1.24E-01	2.75E+00
4482	494863.09	3858377.25	1.32333	0.49938	8.7453	1.58346	2.16E-01	3.87E-01	1.70E+00	1.17E-01	2.42E+00	2.13E-01	1.68E-05	1.86E-02	3.41E-03	2.35E-01	2.59E-01	3.87E-01	1.70E+00	1.17E-01	2.46E+00
4483	495363.09	3858377.25	1.06185	0.44886	7.7002	1.50774	1.74E-01	3.48E-01	1.49E+00	1.11E-01	2.13E+00	1.71E-01	1.51E-05	1.64E-02	3.25E-03	1.91E-01	2.08E-01	3.48E-01	1.49E+00	1.11E-01	2.16E+00
4484	495863.09	3858377.25	1.04252	0.43976	7.3539	1.45509	1.71E-01	3.41E-01	1.43E+00	1.07E-01	2.04E+00	1.68E-01	1.48E-05	1.56E-02	3.13E-03	1.87E-01	2.04E-01	3.41E-01	1.43E+00	1.07E-01	2.08E+00
4485	496363.09	3858377.25	1.00424	0.42929	7.0165	1.4022	1.64E-01	3.33E-01	1.36E+00	1.03E-01	1.96E+00	1.62E-01	1.44E-05	1.49E-02	3.02E-03	1.80E-01	1.97E-01	3.33E-01	1.36E+00	1.03E-01	1.99E+00
4486	496863.09	3858377.25	1.11813	0.43218	6.9075	1.35769	1.83E-01	3.35E-01	1.34E+00	1.00E-01	1.96E+00	1.80E-01	1.45E-05	1.47E-02	2.92E-03	1.98E-01	2.19E-01	3.35E-01	1.34E+00	1.00E-01	1.99E+00
4487	497363.09	3858377.25	1.17965	0.40856	6.6024	1.37341	1.93E-01	3.17E-01	1.28E+00	1.01E-01	1.89E+00	1.90E-01	1.37E-05	1.40E-02	2.96E-03	2.07E-01	2.31E-01	3.17E-01	1.28E+00	1.01E-01	1.93E+00
4488	497863.09	3858377.25	1.6796	0.4553	6.8019	1.4631	2.75E-01	3.53E-01	1.32E+00	1.08E-01	2.05E+00	2.71E-01	1.53E-05	1.45E-02	3.15E-03	2.88E-01	3.29E-01	3.53E-01	1.32E+00	1.08E-01	2.11E+00
4489	498363.09	3858377.25	2.4741	0.52687	7.2179	1.69575	4.05E-01	4.09E-01	1.40E+00	1.25E-01	2.34E+00	3.99E-01	1.77E-05	1.53E-02	3.65E-03	4.18E-01	4.84E-01	4.09E-01	1.40E+00	1.25E-01	2.42E+00
4490	471363.09	3858877.25	2.24602	0.84793	0.3816	0.55052	3.67E-01	6.58E-01	7.40E-02	4.05E-02	1.14E+00	3.62E-01	2.85E-05	8.11E-04	1.19E-03	3.64E-01	4.40E-01	6.58E-01	7.40E-02	4.05E-02	1.21E+00
4491	471863.09	3858877.25	2.26056	0.84438	0.4045	0.59457	3.70E-01	6.55E-01	7.84E-02	4.38E-02	1.15E+00	3.64E-01	2.84E-05	8.60E-04	1.28E-03	3.66E-01	4.42E-01	6.55E-01	7.84E-02	4.38E-02	1.22E+00
4492	472363.09	3858877.25	2.33554	0.90278	0.4179	0.66708	3.82E-01	7.00E-01	8.10E-02	4.91E-02	1.21E+00	3.76E-01	3.03E-05	8.89E-04	1.44E-03	3.79E-01	4.57E-01	7.00E-01	8.10E-02	4.91E-02	1.29E+00
4493	472863.09	3858877.25	2.42803	0.96179	0.4299	0.68044	3.97E-01	7.46E-01	8.34E-02	5.01E-02	1.28E+00	3.91E-01	3.23E-05	9.14E-04	1.46E-03	3.94E-01	4.75E-01	7.46E-01	8.34E-02	5.01E-02	1.35E+00
4494	473363.09	3858877.25	2.59488	1.09017	0.4433	0.66631	4.24E-01	8.46E-01	8.60E-02	4.91E-02	1.41E+00	4.18E-01	3.66E-05	9.43E-04	1.43E-03	4.21E-01	5.08E-01	8.46E-01	8.60E-02	4.91E-02	1.49E+00
4495	473863.09	3858877.25	2.56954	1.04359	0.459	0.70084	4.20E-01	8.10E-01	8.90E-02	5.16E-02	1.37E+00	4.14E-01	3.51E-05	9.76E-04	1.51E-03	4.17E-01	5.03E-01	8.10E-01	8.90E-02	5.16E-02	1.45E+00
4496	474363.09	3858877.25	2.48698	0.82195	0.479	0.76192	4.07E-01	6.38E-01	9.29E-02	5.61E-02	1.19E+00	4.01E-01	2.76E-05	1.02E-03	1.64E-03	4.03E-01	4.87E-01	6.38E-01	9.29E-02	5.61E-02	1.27E+00
4497	474863.09	3858877.25	0.82188	0.35268	0.4752	0.63852	1.34E-01	2.74E-01	9.22E-02	4.70E-02	5.47E-01	1.32E-01	1.18E-05	1.01E-03	1.37E-03	1.35E-01	1.61E-01	2.74E-01	9.22E-02	4.70E-02	5.74E-01
4498	475363.09	3858877.25	0.58184	0.31751	0.4859	0.65656	9.52E-02	2.46E-01	9.42E-02	4.83E-02	4.84E-01	9.38E-02	1.07E-05	1.03E-03	1.41E-03	9.62E-02	1.14E-01	2.46E-01	9.42E-02	4.83E-02	5.03E-01
4499	475863.09	3858877.25	0.66313	0.33748	0.5053	0.70791	1.08E-01	2.62E-01	9.80E-02	5.21E-02	5.20E-01	1.07E-01	1.13E-05	1.07E-03	1.52E-03	1.09E-01	1.30E-01	2.62E-01	9.80E-02	5.21E-02	5.42E-01
4500	476363.09	3858877.25	0.4509	0.26901	0.4776	0.69933	7.37E-02	2.09E-01	9.26E-02	5.15E-02	4.27E-01	7.27E-02	9.04E-06	1.02E-03	1.51E-03	7.52E-02	8.82E-02	2.09E-01	9.26E-02	5.15E-02	4.41E-01
4501	476863.09	3858877.25	0.51693	0.31662	0.5067	0.75909	8.45E-02	2.46E-01	9.83E-02	5.59E-02	4.84E-01	8.33E-02	1.06E-05	1.08E-03	1.63E-03	8.60E-02	1.01E-01	2.46E-01	9.83E-02	5.59E-02	5.01E-01
4502	477363.09	3858877.25	0.52667	0.32913	0.5392	0.76249	8.61E-02	2.55E-01	1.05E-01	5.61E-02	5.02E-01	8.49E-02	1.11E-05	1.15E-03	1.64E-03	8.77E-02	1.03E-01	2.55E-01	1.05E-01	5.61E-02	5.19E-01
4503	477863.09	3858877.25	0.62269	0.36162	0.5871	0.80857	1.02E-01	2.81E-01	1.14E-01	5.95E-02	5.56E-01	1.00E-01	1.21E-05	1.25E-03	1.74E-03	1.03E-01	1.22E-01	2.81E-01	1.14E-01	5.95E-02	5.76E-01
4504	478363.09	3858877.25	1.32956	0.52635	0.663	0.97331	2.17E-01	4.08E-01	1.29E-01	7.17E-02	8.26E-01	2.14E-01	1.77E-05	1.41E-03	2.10E-03	2.18E-01	2.60E-01	4.08E-01	1.29E-01	7.17E-02	8.69E-01
4505	478863.09	3858877.25	0.96879	0.48619	0.707	0.99272	1.58E-01	3.77E-01	1.37E-01	7.31E-02	7.46E-01	1.56E-01	1.63E-05	1.50E-03	2.14E-03	1.60E-01	1.90E-01	3.77E-01	1.37E-01	7.31E-02	7.77E-01
4506	479363.09	3858877.25	0.77047	0.42827	0.7611	1.04817	1.26E-01	3.32E-01	1.48E-01	7.72E-02	6.83E-01	1.24E-01	1.44E-05	1.62E-03	2.26E-03	1.28E-01	1.51E-01	3.32E-01	1.48E-01	7.72E-02	7.08E-01
4507	479863.09	3858877.25	4.69825	1.65009	0.9416	1.21528	7.68E-01	1.28E+00	1.83E-01	8.95E-02	2.32E+00	7.57E-01	5.54E-05	2.00E-03	2.62E-03	7.62E-01	9.19E-01	1.28E+00	1.83E-01	8.95E-02	2.47E+00
4508	480363.09	3858877.25	4.92701	2.00557	0.9918	1.2831	8.06E-01	1.56E+00	1.92E-01	9.45E-02	2.65E+00	7.94E-01	6.74E-05	2.11E-03	2.76E-03	7.99E-01	9.64E-01	1.56E+00	1.92E-01	9.45E-02	2.81E+00
4509	480863.09	3858877.25	5.06162	2.23715	1.1008	1.28527	8.28E-01	1.74E+00	2.13E-01	9.46E-02	2.87E+00	8.16E-01	7.51E-05	2.34E-03	2.77E-03	8.21E-01	9.90E-01	1.74E+00	2.13E-01	9.46E-02	3.03E+00
4510	481363.09	3858877.25	5.28218	2.39736	1.31	1.25727	8.64E-01	1.86E+00	2.54E-01	9.26E-02	3.07E+00	8.51E-01	8.05E-05	2.79E-03	2.71E-03	8.57E-01	1.03E+00	1.86E+00	2.54E-01	9.26E-02	3.24E+00

4511	481863.09	3858877.25	5.50081	2.71368	1.5261	1.14836	9.00E-01	2.11E+00	2.96E-01	8.45E-02	3.39E+00	8.86E-01	9.12E-05	3.24E-03	2.47E-03	8.92E-01	1.08E+00	2.11E+00	2.96E-01	8.45E-02	3.56E+00
4512	482363.09	3858877.25	5.63332	2.76259	1.8128	1.26934	9.21E-01	2.14E+00	3.52E-01	9.35E-02	3.51E+00	9.08E-01	9.28E-05	3.85E-03	2.73E-03	9.14E-01	1.10E+00	2.14E+00	3.52E-01	9.35E-02	3.69E+00
4513	482863.09	3858877.25	5.88288	3.09381	2.0036	1.19153	9.62E-01	2.40E+00	3.89E-01	8.77E-02	3.84E+00	9.48E-01	1.04E-04	4.26E-03	2.57E-03	9.55E-01	1.15E+00	2.40E+00	3.89E-01	8.77E-02	4.03E+00
4514	483363.09	3858877.25	5.72585	5.10011	1.8686	1.21419	9.37E-01	3.96E+00	3.62E-01	8.94E-02	5.34E+00	9.23E-01	1.71E-04	3.97E-03	2.61E-03	9.29E-01	1.12E+00	3.96E+00	3.62E-01	8.94E-02	5.53E+00
4515	483863.09	3858877.25	5.87815	5.73329	2.0273	1.40846	9.61E-01	4.45E+00	3.93E-01	1.04E-01	5.91E+00	9.47E-01	1.93E-04	4.31E-03	3.03E-03	9.55E-01	1.15E+00	4.45E+00	3.93E-01	1.04E-01	6.09E+00
4516	484363.09	3858877.25	6.31295	6.73706	2.3917	1.51049	1.03E+00	5.23E+00	4.64E-01	1.11E-01	6.83E+00	1.02E+00	2.26E-04	5.09E-03	3.25E-03	1.03E+00	1.24E+00	5.23E+00	4.64E-01	1.11E-01	7.04E+00
4517	484863.09	3858877.25	6.9088	8.24932	2.6055	1.65029	1.13E+00	6.40E+00	5.05E-01	1.22E-01	8.16E+00	1.11E+00	2.77E-04	5.54E-03	3.55E-03	1.12E+00	1.35E+00	6.40E+00	5.05E-01	1.22E-01	8.38E+00
4518	485363.09	3858877.25	7.49346	10.4068	3.8669	1.4902	1.23E+00	8.07E+00	7.50E-01	1.10E-01	1.02E+01	1.21E+00	3.50E-04	8.22E-03	3.21E-03	1.22E+00	1.47E+00	8.07E+00	7.50E-01	1.10E-01	1.04E+01
4519	485863.09	3858877.25	8.40752	14.8878	4.817	1.95775	1.38E+00	1.15E+01	9.34E-01	1.44E-01	1.40E+01	1.35E+00	5.00E-04	1.02E-02	4.21E-03	1.37E+00	1.65E+00	1.15E+01	9.34E-01	1.44E-01	1.43E+01
4520	486363.09	3858877.25	9.4555	23.4672	3.8657	1.89916	1.55E+00	1.82E+01	7.50E-01	1.40E-01	2.06E+01	1.52E+00	7.88E-04	8.22E-03	4.09E-03	1.54E+00	1.85E+00	1.82E+01	7.50E-01	1.40E-01	2.09E+01
4521	486863.09	3858877.25	11.4785	24.9791	4.3356	3.29662	1.88E+00	1.94E+01	8.41E-01	2.43E-01	2.23E+01	1.85E+00	8.39E-04	9.22E-03	7.10E-03	1.87E+00	2.25E+00	1.94E+01	8.41E-01	2.43E-01	2.27E+01
4522	487363.09	3858877.25	14.3314	25.2471	2.1317	3.69471	2.34E+00	1.96E+01	4.13E-01	2.72E-01	2.26E+01	2.31E+00	8.48E-04	4.53E-03	7.95E-03	2.32E+00	2.80E+00	1.96E+01	4.13E-01	2.72E-01	2.31E+01
4523	487863.09	3858877.25	16.875	18.6834	1.9615	3.21306	2.76E+00	1.45E+01	3.80E-01	2.37E-01	1.79E+01	2.72E+00	6.28E-04	4.17E-03	6.92E-03	2.73E+00	3.30E+00	1.45E+01	3.80E-01	2.37E-01	1.84E+01
4524	488363.09	3858877.25	16.1274	20.1069	2.24	3.18193	2.64E+00	1.56E+01	4.34E-01	2.34E-01	1.89E+01	2.60E+00	6.75E-04	4.76E-03	6.85E-03	2.61E+00	3.16E+00	1.56E+01	4.34E-01	2.34E-01	1.94E+01
4525	488863.09	3858877.25	15.727	14.4112	5.4599	3.17454	2.57E+00	1.12E+01	1.06E+00	2.34E-01	1.50E+01	2.53E+00	4.84E-04	1.16E-02	6.83E-03	2.55E+00	3.08E+00	1.12E+01	1.06E+00	2.34E-01	1.55E+01
4526	489363.09	3858877.25	13.5715	10.2525	10.696	2.68717	2.22E+00	7.95E+00	2.07E+00	1.98E-01	1.24E+01	2.19E+00	3.44E-04	2.27E-02	5.78E-03	2.22E+00	2.66E+00	7.95E+00	2.07E+00	1.98E-01	1.29E+01
4527	489863.09	3858877.25	13.8349	8.19253	9.2776	2.46316	2.26E+00	6.35E+00	1.80E+00	1.81E-01	1.06E+01	2.23E+00	2.75E-04	1.97E-02	5.30E-03	2.25E+00	2.71E+00	6.36E+00	1.80E+00	1.81E-01	1.10E+01
4528	490363.09	3858877.25	13.309	5.9487	11.628	2.57185	2.18E+00	4.61E+00	2.25E+00	1.89E-01	9.24E+00	2.14E+00	2.00E-04	2.47E-02	5.54E-03	2.17E+00	2.60E+00	4.61E+00	2.25E+00	1.89E-01	9.66E+00
4529	490863.09	3858877.25	13.52	3.48182	11.821	2.82687	2.21E+00	2.70E+00	2.29E+00	2.08E-01	7.41E+00	2.18E+00	1.17E-04	2.51E-02	6.09E-03	2.21E+00	2.65E+00	2.70E+00	2.29E+00	2.08E-01	7.85E+00
4530	491363.09	3858877.25	11.1191	1.70759	15.473	3.20413	1.82E+00	1.32E+00	3.00E+00	2.36E-01	6.38E+00	1.79E+00	5.74E-05	3.29E-02	6.90E-03	1.83E+00	2.18E+00	1.32E+00	3.00E+00	2.36E-01	6.74E+00
4531	491863.09	3858877.25	6.6465	0.85921	15.317	2.64731	1.09E+00	6.66E-01	2.97E+00	1.95E-01	4.92E+00	1.07E+00	2.89E-05	3.26E-02	5.70E-03	1.11E+00	1.30E+00	6.67E-01	2.97E+00	1.95E-01	5.13E+00
4532	492363.09	3858877.25	7.92139	1.0856	14.694	2.61341	1.30E+00	8.42E-01	2.85E+00	1.92E-01	5.18E+00	1.28E+00	3.65E-05	3.12E-02	5.63E-03	1.31E+00	1.55E+00	8.42E-01	2.85E+00	1.92E-01	5.43E+00
4533	492863.09	3858877.25	8.12433	1.52427	13.33	2.67015	1.33E+00	1.18E+00	2.58E+00	1.97E-01	5.29E+00	1.31E+00	5.12E-05	2.83E-02	5.75E-03	1.34E+00	1.59E+00	1.18E+00	2.58E+00	1.97E-01	5.55E+00
4534	493363.09	3858877.25	6.80404	1.18044	12.547	2.72603	1.11E+00	9.16E-01	2.43E+00	2.01E-01	4.66E+00	1.10E+00	3.97E-05	2.67E-02	5.87E-03	1.13E+00	1.33E+00	9.16E-01	2.43E+00	2.01E-01	4.88E+00
4535	493863.09	3858877.25	4.81043	0.75758	11.12	2.24913	7.87E-01	5.88E-01	2.16E+00	1.66E-01	3.70E+00	7.75E-01	2.54E-05	2.36E-02	4.84E-03	8.04E-01	9.41E-01	5.88E-01	2.16E+00	1.66E-01	3.85E+00
4536	494363.09	3858877.25	4.04942	0.67566	10.946	2.14645	6.62E-01	5.24E-01	2.12E+00	1.58E-01	3.47E+00	6.52E-01	2.27E-05	2.33E-02	4.62E-03	6.80E-01	7.92E-01	5.24E-01	2.12E+00	1.58E-01	3.60E+00
4537	494863.09	3858877.25	3.09102	0.59902	10.437	1.91716	5.06E-01	4.65E-01	2.02E+00	1.41E-01	3.14E+00	4.98E-01	2.01E-05	2.22E-02	4.13E-03	5.24E-01	6.05E-01	4.65E-01	2.02E+00	1.41E-01	3.23E+00
4538	495363.09	3858877.25	2.37249	0.53167	10.025	1.73668	3.88E-01	4.12E-01	1.94E+00	1.28E-01	2.87E+00	3.82E-01	1.79E-05	2.13E-02	3.74E-03	4.07E-01	4.64E-01	4.12E-01	1.94E+00	1.28E-01	2.95E+00
4539	495863.09	3858877.25	2.10762	0.50636	9.3191	1.61842	3.45E-01	3.93E-01	1.81E+00	1.19E-01	2.66E+00	3.40E-01	1.70E-05	1.98E-02	3.48E-03	3.63E-01	4.12E-01	3.93E-01	1.81E+00	1.19E-01	2.73E+00
4540	496363.09	3858877.25	2.07847	0.49363	8.7043	1.5515	3.40E-01	3.83E-01	1.69E+00	1.14E-01	2.52E+00	3.35E-01	1.66E-05	1.85E-02	3.34E-03	3.57E-01	4.07E-01	3.83E-01	1.69E+00	1.14E-01	2.59E+00
4541	496863.09	3858877.25	2.12293	0.48398	8.5854	1.53908	3.47E-01	3.75E-01	1.66E+00	1.13E-01	2.50E+00	3.42E-01	1.63E-05	1.83E-02	3.31E-03	3.64E-01	4.15E-01	3.75E-01	1.66E+00	1.13E-01	2.57E+00
4542	497363.09	3858877.25	2.13642	0.47917	8.251	1.50723	3.49E-01	3.72E-01	1.60E+00	1.11E-01	2.43E+00	3.44E-01	1.61E-05	1.75E-02	3.24E-03	3.65E-01	4.18E-01	3.72E-01	1.60E+00	1.11E-01	2.50E+00
4543	497863.09	3858877.25	2.95485	0.58893	8.2287	1.64609	4.83E-01	4.57E-01	1.60E+00	1.21E-01	2.66E+00	4.76E-01	1.98E-05	1.75E-02	3.54E-03	4.97E-01	5.78E-01	4.57E-01	1.60E+00	1.21E-01	2.75E+00
4544	498363.09	3858877.25	3.55105	0.83778	8.3687	1.86789	5.81E-01	6.50E-01	1.62E+00	1.38E-01	2.99E+00	5.72E-01	2.81E-05	1.78E-02	4.02E-03	5.94E-01	6.95E-01	6.50E-01	1.62E+00	1.38E-01	3.11E+00
4545	471363.09	3859377.25	2.13588	0.83167	0.3719	0.6191	3.49E-01	6.45E-01	7.21E-02	4.56E-02	1.11E+00	3.44E-01	2.79E-05	7.91E-04	1.33E-03	3.46E-01	4.18E-01	6.45E-01	7.21E-02	4.56E-02	1.18E+00
4546	471863.09	3859377.25	2.21852	0.83671	0.389	0.63238	3.63E-01	6.49E-01	7.54E-02	4.66E-02	1.13E+00	3.57E-01	2.81E-05	8.27E-04	1.36E-03	3.60E-01	4.34E-01	6.49E-01	7.54E-02	4.66E-02	1.21E+00
4547	472363.09	3859377.25	2.25578	0.91844	0.4008	0.64736	3.69E-01	7.12E-01	7.77E-02	4.77E-02	1.21E+00	3.63E-01	3.09E-05	8.52E-04	1.39E-03	3.66E-01	4.41E-01	7.12E-01	7.77E-02	4.77E-02	1.28E+00
4548	472863.09	3859377.25	2.52518	0.97404	0.411	0.67256	4.13E-01	7.56E-01	7.97E-02	4.95E-02	1.30E+00	4.07E-01	3.27E-05	8.74E-04	1.45E-03	4.09E-01	4.94E-01	7.56E-01	7.97E-02	4.95E-02	1.38E+00
4549	473363.09	3859377.25	2.59845	1.0344	0.4215	0.69171	4.25E-01	8.02E-01	8.17E-02	5.09E-02	1.36E+00	4.19E-01	3.47E-05	8.96E-04	1.49E-03	4.21E-01	5.08E-01	8.02E-01	8.17E-02	5.09E-02	1.44E+00
4550	473863.09	3859377.25	2.78553	1.00959	0.4322	0.74419	4.56E-01	7.83E-01	8.38E-02	5.48E-02	1.38E+00	4.49E-01	3.39E-05	9.19E-04	1.60E-03	4.51E-01	5.45E-01	7.83E-01	8.38E-02	5.48E-02	1.47E+00
4551	474363.09	3859377.25	2.52554	0.75626	0.4444	0.80673	4.13E-01	5.87E-01	8.62E-02	5.94E-02	1.15E+00	4.07E-01	2.54E-05	9.45E-04	1.74E-03	4.10E-01	4.94E-01	5.87E-01	8.62E-02	5.94E-02	1.23E+00
4552	474863.09	3859377.25	1.70066	0.48824	0.4828	0.7856	2.78E-01	3.79E-01	9.36E-02	5.78E-02	8.08E-01	2.74E-01	1.64E-05	1.03E-03	1.69E-03	2.77E-01	3.33E-01	3.79E-01	9.36E-02	5.78E-02	8.63E-01
4553	475363.09	3859377.25	0.81896	0.35729	0.514	0.66472	1.34E-01	2.77E-01	9.97E-02	4.89E-02	5.60E-01	1.32E-01	1.20E-05	1.09E-03	1.43E-03	1.34E-01	1.60E-01	2.77E-01	9.97E-02	4.89E-02	5.86E-01
4554	475863.09	3859377.25	0.5286	0.2935	0.5192	0.67312	8.65E-02	2.28E-01	1.01E-01	4.96E-02	4.64E-01	8.52E-02	9.86E-06	1.10E-03	1.45E-03	8.77E-02	1.03E-01	2.28E-01	1.01E-01	4.96E-02	4.81E-01
4555	476363.09	3859377.25	0.47748	0.2857	0.5508	0.65178	7.81E-02	2.22E-01	1.07E-01	4.80E-02	4.54E-01	7.69E-02	9.60E-06	1.17E-03	1.40E-03	7.95E-02	9.34E-02	2.22E-01	1.07E-01	4.80E-02	4.70E-01
4556	476863.09	3859377.25	0.40799	0.27144	0.5322	0.65724	6.67E-02	2.11E-01	1.03E-01	4.84E-02	4.29E-01	6.57E-02	9.12E-06	1.13E-03	1.41E-03	6.83E-02	7.98E-02	2.11E-01	1.03E-01	4.84E-02	4.42E-01
4557	477363.09	3859377.25	0.43893	0.27884	0.6119	0.73489	7.18E-02	2.16E-01	1.19E-01	5.41E-02	4.61E-01	7.07E-02	9.37E-06	1.30E-03	1.58E-03	7.36E-02	8.59E-02	2.16E-01	1.19E-01	5.41E-02	4.75E-01
4558	477863.09	3859377.25	0.66648	0.36499	0.6773	0.80432	1.09E-01	2.83E-01	1.31E-01	5.92E-02	5.83E-01	1.07E-01	1.23E-05	1.44E-03	1.73E-03	1.11E-01	1.30E-01	2.83E-01	1.31E-01	5.92E-02	6.04E-01
4559	478363.09	3859377.25	1.09944	0.46311	0.7575	0.96446	1.80E-01	3.59E-01	1.47E-01	7.10E-02	7.57E-01	1.77E-01	1.56E-05	1.61E-03	2.08E-03	1.81E-01	2.15E-01	3.59E-01	1.47E-01	7.10E-02	7.92E-01
4560	478863.09	3859377.25	2.35915	0.63606	0.8791	1.08304	3.86E-01	4.93E-01	1.70E-01	7.97E-02	1.13E+00	3.80E-01	2.14E-05	1.87E-03	2.33E-03	3.84E-01	4.62E-01	4.93E-01	1.70E-01	7.97E-02	1.21E+00
4561	479363.09	3859377.25	3.52857	0.92158	0.9341	1.12965	5.77E-01	7.15E-01	1.81E-01	8.32E-02	1.56E+00	5.69E-01	3.10E-05	1.99E-03	2.43E-03	5.73E-01	6.90E-01	7.15E-01	1.81E-01	8.32E-02	1.67E+00
4562	479863.09	3859377.25	4.18707	1.28031	0.9908	1.34795	6.85E-01	9.93E-01	1.92E-01	9.92E-02	1.97E+00	6.75E-01	4.30E-05	2.11E-03	2.90E-03	6.80E-01	8.19E-01	9.93E-01	1.92E-01	9.92E-02	2.10E+00
4563	480363.09	3859377.25	4.52961	1.75706	1.1898	1.24741	7.41E-01	1.36E+00	2.31E-01	9.18E-02	2.43E+00	7.30E-01	5.90E-05	2.53E-03	2.69E-03	7.35E-01	8.86E-01	1.36E+00	2.31E-01	9.18E-02	2.57E+00
4564	480863.09	3859377.25	4.61187	2.19423	1.2615	1.16806	7.54E-01	1.70E+00	2.45E-01	8.60E-02	2.79E+00	7.43E-01	7.37E-05	2.68E-03	2.51E-03	7.48E-01	9.02E-01	1.70E+00	2.45E-01	8.60E-02	2.94E+00
4565	481363.09	3859377.25	4.74889	2.48894	1.4764	1.13951	7.77E-01	1.93E+00	2.86E-01	8.39E-02	3.08E+00	7.65E-01	8.36E-05	3.14E-03	2.45E-03	7.71E-01	9.29E-01	1.93E+00	2.86E-01	8.39E-02	3.23E+00
4566	481863.09	3859377.25	4.80877	2.70919	1.6841	1.17192	7.87E-01	2.10E+00	3.27E-01	8.63E-02	3.30E+00	7.75E-01	9.10E-05	3.58E-03	2.52E-03	7.81E-01	9.41E-01	2.10E+00	3.27E-01	8.63E-02	3.46E+00
4567	482363.09	3859377.25	4.92533	2.78943	1.6269	1.15579	8.06E-01	2.16E+00	3.15E-01	8.51E-02	3.37E+00	7.94E-01	9.37E-05	3.46E-03	2.49E-03	8.00E-01	9.64E-01	2.16E+00	3.15E-01	8.51E-02	3.53E+00
4568	482863.09	3859377.25	5.25278	3.2128	2.1028	1.10434	8.59E-01	2.49E+00	4.08E-01	8.13E-02	3.84E+00	8.46E-01	1.08E-04	4.47E-03	2.38E-03	8.53E-01	1.03E+00	2.49E+00	4.08E-01	8.13E-02	4.01E+00
4569	483363.09	3859377.25	5.42493	4.22376	2.0362	1.15017	8.87E-01	3.28E+00	3.95E-01	8.47E-02	4.64E+00	8.74E-01	1.42E-04	4.33E-03	2.48E-03	8.81E-01	1.06E+00	3.28E+00	3.95E-01	8.47E-02	4.82E+00
4570	483863.09	3859377.25	5.36745	5.00346	2.5231	1.22448	8.78E-01	3.88E+00	4.89E-01	9.02E-02	5.34E+00	8.65E-01	1.68E-04	5.36E-03	2.64E-03	8.73E-01	1.05E+00	3.88E+00	4.89E-01	9.02E-02	5.51E+00
4571	484363.09	3859377.25	5.77589	5.77965	3.7791	1.22458	9.45E-01	4.48E+00	7.33E-01	9.02E-02	6.25E+00	9.31E-01	1.94E-04	8.03E-03	2.64E-03	9.42E-01	1.13E+00	4.48E+00	7.33E-01	9.02E-02	6.44E+00

4572	484863.09	3859377.25	6.1844	6.87016	4.1238	1.38395	1.01E+00	5.33E+00	8.00E-01	1.02E-01	7.24E+00	9.97E-01	2.31E-04	8.77E-03	2.98E-03	1.01E+00	1.21E+00	5.33E+00	8.00E-01	1.02E-01	7.44E+00
4573	485363.09	3859377.25	6.73683	8.35069	2.8424	1.53045	1.10E+00	6.48E+00	5.51E-01	1.13E-01	8.24E+00	1.09E+00	2.81E-04	6.04E-03	3.29E-03	1.10E+00	1.32E+00	6.48E+00	5.51E-01	1.13E-01	8.46E+00
4574	485863.09	3859377.25	7.22154	10.2668	2.4983	1.72306	1.18E+00	7.96E+00	4.84E-01	1.27E-01	9.76E+00	1.16E+00	3.45E-04	5.31E-03	3.71E-03	1.17E+00	1.41E+00	7.96E+00	4.84E-01	1.27E-01	9.99E+00
4575	486363.09	3859377.25	8.21377	13.734	2.519	1.84644	1.34E+00	1.07E+01	4.88E-01	1.36E-01	1.26E+01	1.32E+00	4.61E-04	5.36E-03	3.97E-03	1.33E+00	1.61E+00	1.07E+01	4.88E-01	1.36E-01	1.29E+01
4576	486863.09	3859377.25	9.45911	22.0803	1.6094	2.08822	1.55E+00	1.71E+01	3.12E-01	1.54E-01	1.91E+01	1.52E+00	7.42E-04	3.42E-03	4.50E-03	1.53E+00	1.85E+00	1.71E+01	3.12E-01	1.54E-01	1.94E+01
4577	487363.09	3859377.25	10.9942	24.1458	1.3444	2.93011	1.80E+00	1.87E+01	2.61E-01	2.16E-01	2.10E+01	1.77E+00	8.11E-04	2.86E-03	6.31E-03	1.78E+00	2.15E+00	1.87E+01	2.61E-01	2.16E-01	2.14E+01
4578	487863.09	3859377.25	13.1161	22.4281	1.3439	4.42221	2.15E+00	1.74E+01	2.61E-01	3.26E-01	2.01E+01	2.11E+00	7.53E-04	2.86E-03	9.52E-03	2.13E+00	2.57E+00	1.74E+01	2.61E-01	3.26E-01	2.06E+01
4579	488363.09	3859377.25	13.8137	25.1647	1.4549	19.74342	2.26E+00	1.95E+01	2.82E-01	1.45E+00	2.35E+01	2.23E+00	8.45E-04	3.09E-03	4.25E-02	2.27E+00	2.70E+00	1.95E+01	2.82E-01	1.45E+00	2.40E+01
4580	488863.09	3859377.25	13.5386	22.8037	1.7233	3.70611	2.21E+00	1.77E+01	3.34E-01	2.73E-01	2.05E+01	2.18E+00	7.66E-04	3.66E-03	7.98E-03	2.19E+00	2.65E+00	1.77E+01	3.34E-01	2.73E-01	2.09E+01
4581	489363.09	3859377.25	13.4513	14.2351	3.6538	2.71524	2.20E+00	1.10E+01	7.08E-01	2.00E-01	1.42E+01	2.17E+00	4.78E-04	7.77E-03	5.85E-03	2.18E+00	2.63E+00	1.10E+01	7.08E-01	2.00E-01	1.46E+01
4582	489863.09	3859377.25	11.8025	10.1747	4.5274	2.63573	1.93E+00	7.89E+00	8.78E-01	1.94E-01	1.09E+01	1.90E+00	3.42E-04	9.63E-03	5.67E-03	1.92E+00	2.31E+00	7.89E+00	8.78E-01	1.94E-01	1.13E+01
4583	490363.09	3859377.25	11.8316	7.72099	5.3454	2.71938	1.94E+00	5.99E+00	1.04E+00	2.00E-01	9.16E+00	1.91E+00	2.59E-04	1.14E-02	5.85E-03	1.92E+00	2.32E+00	5.99E+00	1.04E+00	2.00E-01	9.54E+00
4584	490863.09	3859377.25	10.9204	4.70835	5.4645	3.00672	1.79E+00	3.65E+00	1.06E+00	2.21E-01	6.72E+00	1.76E+00	1.58E-04	1.16E-02	6.47E-03	1.78E+00	2.14E+00	3.65E+00	1.06E+00	2.21E-01	7.07E+00
4585	491363.09	3859377.25	11.3961	1.8095	6.2325	3.62771	1.86E+00	1.40E+00	1.21E+00	2.67E-01	4.74E+00	1.84E+00	6.08E-05	1.33E-02	7.81E-03	1.86E+00	2.23E+00	1.40E+00	1.21E+00	2.67E-01	5.11E+00
4586	491863.09	3859377.25	11.7315	2.76288	8.0531	2.98412	1.92E+00	2.14E+00	1.56E+00	2.20E-01	5.84E+00	1.89E+00	9.28E-05	1.71E-02	6.42E-03	1.91E+00	2.30E+00	2.14E+00	1.56E+00	2.20E-01	6.22E+00
4587	492363.09	3859377.25	9.41906	2.56736	7.3858	2.87012	1.54E+00	1.99E+00	1.43E+00	2.11E-01	5.18E+00	1.52E+00	8.62E-05	1.57E-02	6.18E-03	1.54E+00	1.84E+00	1.99E+00	1.43E+00	2.11E-01	5.48E+00
4588	492863.09	3859377.25	8.49257	2.6187	9.0092	2.70608	1.39E+00	2.03E+00	1.75E+00	1.99E-01	5.37E+00	1.37E+00	8.80E-05	1.92E-02	5.83E-03	1.39E+00	1.66E+00	2.03E+00	1.75E+00	1.99E-01	5.64E+00
4589	493363.09	3859377.25	7.86622	1.96109	9.8146	2.70962	1.29E+00	1.52E+00	1.90E+00	1.99E-01	4.91E+00	1.27E+00	6.59E-05	2.09E-02	5.83E-03	1.29E+00	1.54E+00	1.52E+00	1.90E+00	1.99E-01	5.16E+00
4590	493863.09	3859377.25	7.62811	1.83657	10.03	2.62902	1.25E+00	1.42E+00	1.94E+00	1.94E-01	4.81E+00	1.23E+00	6.17E-05	2.13E-02	5.66E-03	1.26E+00	1.49E+00	1.42E+00	1.94E+00	1.94E-01	5.06E+00
4591	494363.09	3859377.25	6.53675	1.51788	10.027	2.58899	1.07E+00	1.18E+00	1.94E+00	1.91E-01	4.38E+00	1.05E+00	5.10E-05	2.13E-02	5.57E-03	1.08E+00	1.28E+00	1.18E+00	1.94E+00	1.91E-01	4.59E+00
4592	494863.09	3859377.25	5.43241	0.99765	8.7599	2.34048	8.89E-01	7.74E-01	1.70E+00	1.72E-01	3.53E+00	8.75E-01	3.35E-05	1.86E-02	5.04E-03	8.99E-01	1.06E+00	7.74E-01	1.70E+00	1.72E-01	3.71E+00
4593	495363.09	3859377.25	4.95089	0.93211	7.8224	2.27248	8.10E-01	7.23E-01	1.52E+00	1.67E-01	3.22E+00	7.98E-01	3.13E-05	1.66E-02	4.89E-03	8.19E-01	9.69E-01	7.23E-01	1.52E+00	1.67E-01	3.38E+00
4594	495863.09	3859377.25	4.34226	0.80512	7.7306	2.08172	7.10E-01	6.25E-01	1.50E+00	1.53E-01	2.99E+00	7.00E-01	2.70E-05	1.64E-02	4.48E-03	7.21E-01	8.50E-01	6.25E-01	1.50E+00	1.53E-01	3.13E+00
4595	496363.09	3859377.25	4.1509	0.82917	7.2621	2.0715	6.79E-01	6.43E-01	1.41E+00	1.53E-01	2.88E+00	6.69E-01	2.79E-05	1.54E-02	4.46E-03	6.89E-01	8.12E-01	6.43E-01	1.41E+00	1.53E-01	3.02E+00
4596	496863.09	3859377.25	3.35412	0.67582	6.7732	1.89763	5.49E-01	5.24E-01	1.31E+00	1.40E-01	2.53E+00	5.40E-01	2.27E-05	1.44E-02	4.09E-03	5.59E-01	6.56E-01	5.24E-01	1.31E+00	1.40E-01	2.63E+00
4597	497363.09	3859377.25	3.6162	0.77408	7.1759	1.9606	5.91E-01	6.00E-01	1.39E+00	1.44E-01	2.73E+00	5.83E-01	2.60E-05	1.53E-02	4.22E-03	6.02E-01	7.08E-01	6.00E-01	1.39E+00	1.44E-01	2.84E+00
4598	497863.09	3859377.25	4.03249	1.11488	7.4416	2.01924	6.60E-01	8.65E-01	1.44E+00	1.49E-01	3.12E+00	6.50E-01	3.75E-05	1.58E-02	4.35E-03	6.70E-01	7.89E-01	8.65E-01	1.44E+00	1.49E-01	3.25E+00
4599	498363.09	3859377.25	4.27804	1.45312	7.4438	2.01988	7.00E-01	1.13E+00	1.44E+00	1.49E-01	3.42E+00	6.89E-01	4.88E-05	1.58E-02	4.35E-03	7.10E-01	8.37E-01	1.13E+00	1.44E+00	1.49E-01	3.56E+00
4600	471363.09	3859877.25	2.25623	0.90818	0.3528	0.59216	3.69E-01	7.04E-01	6.84E-02	4.36E-02	1.19E+00	3.64E-01	3.05E-05	7.50E-04	1.27E-03	3.66E-01	4.41E-01	7.05E-01	6.84E-02	4.36E-02	1.26E+00
4601	471863.09	3859877.25	2.30071	0.94475	0.3766	0.62986	3.76E-01	7.33E-01	7.30E-02	4.64E-02	1.23E+00	3.71E-01	3.17E-05	8.01E-04	1.36E-03	3.73E-01	4.50E-01	7.33E-01	7.30E-02	4.64E-02	1.30E+00
4602	472363.09	3859877.25	2.45669	0.94375	0.3932	0.66306	4.02E-01	7.32E-01	7.62E-02	4.88E-02	1.26E+00	3.96E-01	3.17E-05	8.36E-04	1.43E-03	3.98E-01	4.81E-01	7.32E-01	7.62E-02	4.88E-02	1.34E+00
4603	472863.09	3859877.25	2.5272	1.01324	0.4139	0.70106	4.13E-01	7.86E-01	8.03E-02	5.16E-02	1.33E+00	4.07E-01	3.40E-05	8.80E-04	1.51E-03	4.10E-01	4.95E-01	7.86E-01	8.03E-02	5.16E-02	1.41E+00
4604	473363.09	3859877.25	2.59687	1.07664	0.4449	0.71143	4.25E-01	8.35E-01	8.63E-02	5.24E-02	1.40E+00	4.18E-01	3.62E-05	9.46E-04	1.53E-03	4.21E-01	5.08E-01	8.35E-01	8.63E-02	5.24E-02	1.48E+00
4605	473863.09	3859877.25	2.70087	1.11097	0.4871	0.74243	4.42E-01	8.62E-01	9.45E-02	5.47E-02	1.45E+00	4.35E-01	3.73E-05	1.04E-03	1.60E-03	4.38E-01	5.29E-01	8.62E-01	9.45E-02	5.47E-02	1.54E+00
4606	474363.09	3859877.25	2.73834	0.86308	0.5105	0.76456	4.48E-01	6.69E-01	9.90E-02	5.63E-02	1.27E+00	4.41E-01	2.90E-05	1.09E-03	1.65E-03	4.44E-01	5.36E-01	6.70E-01	9.90E-02	5.63E-02	1.36E+00
4607	474863.09	3859877.25	2.3834	0.64922	0.5491	0.70673	3.90E-01	5.04E-01	1.06E-01	5.20E-02	1.05E+00	3.84E-01	2.18E-05	1.17E-03	1.52E-03	3.87E-01	4.66E-01	5.04E-01	1.06E-01	5.20E-02	1.13E+00
4608	475363.09	3859877.25	1.09187	0.40919	0.5684	0.67753	1.79E-01	3.17E-01	1.10E-01	4.99E-02	6.56E-01	1.76E-01	1.37E-05	1.21E-03	1.46E-03	1.79E-01	2.14E-01	3.17E-01	1.10E-01	4.99E-02	6.91E-01
4609	475863.09	3859877.25	0.4942	0.27781	0.5016	0.60796	8.08E-02	2.15E-01	9.73E-02	4.48E-02	4.38E-01	7.96E-02	9.33E-06	1.07E-03	1.31E-03	8.20E-02	9.67E-02	2.16E-01	9.73E-02	4.48E-02	4.54E-01
4610	476363.09	3859877.25	0.37483	0.23061	0.4887	0.62074	6.13E-02	1.79E-01	9.48E-02	4.57E-02	3.81E-01	6.04E-02	7.75E-06	1.04E-03	1.34E-03	6.28E-02	7.33E-02	1.79E-01	9.48E-02	4.57E-02	3.93E-01
4611	476863.09	3859877.25	0.40347	0.25377	0.4981	0.66322	6.60E-02	1.97E-01	9.66E-02	4.88E-02	4.08E-01	6.50E-02	8.52E-06	1.06E-03	1.43E-03	6.75E-02	7.90E-02	1.97E-01	9.66E-02	4.88E-02	4.21E-01
4612	477363.09	3859877.25	0.41978	0.25934	0.5442	0.70446	6.87E-02	2.01E-01	1.06E-01	5.19E-02	4.27E-01	6.76E-02	8.71E-06	1.16E-03	1.52E-03	7.03E-02	8.21E-02	2.01E-01	1.06E-01	5.19E-02	4.41E-01
4613	477863.09	3859877.25	0.61586	0.34071	0.5893	0.74071	1.01E-01	2.64E-01	1.14E-01	5.45E-02	5.34E-01	9.92E-02	1.14E-05	1.25E-03	1.59E-03	1.02E-01	1.21E-01	2.64E-01	1.14E-01	5.45E-02	5.54E-01
4614	478363.09	3859877.25	1.13915	0.44215	0.821	0.88106	1.86E-01	3.43E-01	1.59E-01	6.49E-02	7.53E-01	1.84E-01	1.49E-05	1.75E-03	1.90E-03	1.87E-01	2.23E-01	3.43E-01	1.59E-01	6.49E-02	7.90E-01
4615	478863.09	3859877.25	2.34984	0.63117	0.95	1.13225	3.84E-01	4.90E-01	1.84E-01	8.34E-02	1.14E+00	3.79E-01	2.12E-05	2.02E-03	2.44E-03	3.83E-01	4.60E-01	4.90E-01	1.84E-01	8.34E-02	1.22E+00
4616	479363.09	3859877.25	3.55292	1.01758	1.1244	1.17072	5.81E-01	7.89E-01	2.18E-01	8.62E-02	1.67E+00	5.72E-01	3.42E-05	2.39E-03	2.52E-03	5.77E-01	6.95E-01	7.89E-01	2.18E-01	8.62E-02	1.79E+00
4617	479863.09	3859877.25	3.93291	1.47085	1.3278	1.1833	6.43E-01	1.14E+00	2.57E-01	8.71E-02	2.13E+00	6.34E-01	4.94E-05	2.82E-03	2.55E-03	6.39E-01	7.70E-01	1.14E+00	2.57E-01	8.71E-02	2.26E+00
4618	480363.09	3859877.25	4.14734	2.00172	1.5375	1.16114	6.78E-01	1.55E+00	2.98E-01	8.55E-02	2.61E+00	6.68E-01	6.72E-05	3.27E-03	2.50E-03	6.74E-01	8.12E-01	1.55E+00	2.98E-01	8.55E-02	2.75E+00
4619	480863.09	3859877.25	4.12722	2.3051	1.3685	1.0396	6.75E-01	1.79E+00	2.65E-01	7.65E-02	2.81E+00	6.65E-01	7.74E-05	2.91E-03	2.24E-03	6.70E-01	8.08E-01	1.79E+00	2.65E-01	7.65E-02	2.94E+00
4620	481363.09	3859877.25	4.1412	2.53544	1.5918	1.10522	6.77E-01	1.97E+00	3.09E-01	8.14E-02	3.03E+00	6.67E-01	8.52E-05	3.38E-03	2.38E-03	6.73E-01	8.10E-01	1.97E+00	3.09E-01	8.14E-02	3.17E+00
4621	481863.09	3859877.25	4.26849	2.6402	1.5808	0.9974	6.98E-01	2.05E+00	3.07E-01	7.34E-02	3.13E+00	6.88E-01	8.87E-05	3.36E-03	2.15E-03	6.93E-01	8.35E-01	2.05E+00	3.07E-01	7.34E-02	3.26E+00
4622	482363.09	3859877.25	4.46935	2.88197	1.8965	1.04018	7.31E-01	2.24E+00	3.68E-01	7.66E-02	3.41E+00	7.20E-01	9.68E-05	4.03E-03	2.24E-03	7.27E-01	8.75E-01	2.24E+00	3.68E-01	7.66E-02	3.55E+00
4623	482863.09	3859877.25	4.81716	3.27129	2.455	1.11331	7.88E-01	2.54E+00	4.76E-01	8.20E-02	3.88E+00	7.76E-01	1.10E-04	5.22E-03	2.40E-03	7.84E-01	9.43E-01	2.54E+00	4.76E-01	8.20E-02	4.04E+00
4624	483363.09	3859877.25	5.05368	3.70046	2.5159	1.22046	8.27E-01	2.87E+00	4.88E-01	8.99E-02	4.27E+00	8.14E-01	1.24E-04	5.35E-03	2.63E-03	8.22E-01	9.89E-01	2.87E+00	4.88E-01	8.99E-02	4.44E+00
4625	483863.09	3859877.25	4.9859	4.77163	2.9087	1.25337	8.15E-01	3.70E+00	5.64E-01	9.23E-02	5.17E+00	8.03E-01	1.60E-04	6.18E-03	2.70E-03	8.12E-01	9.76E-01	3.70E+00	5.64E-01	9.23E-02	5.33E+00
4626	484363.09	3859877.25	5.2735	5.25294	1.8354	1.38403	8.63E-01	4.07E+00	3.56E-01	1.02E-01	5.40E+00	8.50E-01	1.76E-04	3.90E-03	2.98E-03	8.57E-01	1.03E+00	4.07E+00	3.56E-01	1.02E-01	5.56E+00
4627	484863.09	3859877.25	5.67738	5.78024	1.6938	1.44948	9.29E-01	4.48E+00	3.28E-01	1.07E-01	5.85E+00	9.15E-01	1.94E-04	3.60E-03	3.12E-03	9.22E-01	1.11E+00	4.48E+00	3.28E-01	1.07E-01	6.03E+00
4628	485363.09	3859877.25	6.01557	6.57954	1.8011	1.49952	9.84E-01	5.10E+00	3.49E-01	1.10E-01	6.55E+00	9.69E-01	2.21E-04	3.83E-03	3.23E-03	9.77E-01	1.18E+00	5.10E+00	3.49E-01	1.10E-01	6.74E+00
4629	485863.09	3859877.25	6.50429	7.22981	1.6669	1.59129	1.06E+00	5.61E+00	3.23E-01	1.17E-01	7.11E+00	1.05E+00	2.43E-04	3.54E-03	3.43E-03	1.06E+00	1.27E+00	5.61E+00	3.23E-01	1.17E-01	7.32E+00
4630	486363.09	3859877.25	7.09149	8.31544	1.3419	1.85792	1.16E+00	6.45E+00	2.60E-01	1.37E-01	8.01E+00	1.14E+00	2.79E-04	2.85E-03	4.00E-03	1.15E+00	1.39E+00	6.45E+00	2.60E-01	1.37E-01	8.24E+00
4631	486863.09	3859877.25	8.1653	10.8134	1.6843	1.95517	1.34E+00	8.39E+00	3.27E-01	1.44E-01	1.02E+01	1.32E+00	3.63E-04	3.58E-03	4.21E-03	1.32E+00	1.60E+00	8.39E+00	3.27E-01	1.44E-01	1.05E+01
4632	487363.09	3859877.25	9.18475	14.5629	1.0272	2.08241	1.50E+00	1.13E+01	1.99E-01	1.53E-01	1.32E+01	1.48E+00	4.89E-04	2.18E-03	4.48E-03	1.49E+00	1.80E+00	1.13E+01	1.99E-01	1.53E-01	1.34E+01

4633	487863.09	3859877.25	10.5226	23.6119	1.073	4.22937	1.72E+00	1.83E+01	2.08E-01	3.11E-01	2.06E+01	1.70E+00	7.93E-04	2.28E-03	9.10E-03	1.71E+00	2.06E+00	1.83E+01	2.08E-01	3.11E-01	2.09E+01
4634	488363.09	3859877.25	12.0648	26.3244	1.1249	4.98957	1.97E+00	2.04E+01	2.18E-01	3.67E-01	2.30E+01	1.94E+00	8.84E-04	2.39E-03	1.07E-02	1.96E+00	2.36E+00	2.04E+01	2.18E-01	3.67E-01	2.34E+01
4635	488863.09	3859877.25	12.207	16.7188	0.963	7.43305	2.00E+00	1.30E+01	1.87E-01	5.47E-01	1.57E+01	1.97E+00	5.62E-04	2.05E-03	1.60E-02	1.99E+00	2.39E+00	1.30E+01	1.87E-01	5.47E-01	1.61E+01
4636	489363.09	3859877.25	11.6299	14.9104	1.1997	4.74823	1.90E+00	1.16E+01	2.33E-01	3.50E-01	1.41E+01	1.87E+00	5.01E-04	2.55E-03	1.02E-02	1.89E+00	2.28E+00	1.16E+01	2.33E-01	3.50E-01	1.44E+01
4637	489863.09	3859877.25	12.4531	12.2796	2.1415	3.56092	2.04E+00	9.53E+00	4.15E-01	2.62E-01	1.22E+01	2.01E+00	4.12E-04	4.55E-03	7.67E-03	2.02E+00	2.44E+00	9.53E+00	4.15E-01	2.62E-01	1.26E+01
4638	490363.09	3859877.25	10.0682	9.97471	2.9029	2.89752	1.65E+00	7.74E+00	5.63E-01	2.13E-01	1.02E+01	1.62E+00	3.35E-04	6.17E-03	6.24E-03	1.64E+00	1.97E+00	7.74E+00	5.63E-01	2.13E-01	1.05E+01
4639	490863.09	3859877.25	9.23125	7.69096	3.2078	2.56717	1.51E+00	5.97E+00	6.22E-01	1.89E-01	8.29E+00	1.49E+00	2.58E-04	6.82E-03	5.53E-03	1.50E+00	1.81E+00	5.97E+00	6.22E-01	1.89E-01	8.58E+00
4640	491363.09	3859877.25	9.19904	6.48076	3.0403	2.51857	1.50E+00	5.03E+00	5.90E-01	1.85E-01	7.31E+00	1.48E+00	2.18E-04	6.46E-03	5.42E-03	1.49E+00	1.80E+00	5.03E+00	5.90E-01	1.85E-01	7.60E+00
4641	491863.09	3859877.25	8.67585	5.58771	3.7358	2.45558	1.42E+00	4.33E+00	7.24E-01	1.81E-01	6.66E+00	1.40E+00	1.88E-04	7.94E-03	5.29E-03	1.41E+00	1.70E+00	4.33E+00	7.24E-01	1.81E-01	6.94E+00
4642	492363.09	3859877.25	8.97681	4.89012	4.3825	2.40565	1.47E+00	3.79E+00	8.50E-01	1.77E-01	6.29E+00	1.45E+00	1.64E-04	9.32E-03	5.18E-03	1.46E+00	1.76E+00	3.79E+00	8.50E-01	1.77E-01	6.58E+00
4643	492863.09	3859877.25	8.964	4.12451	4.8683	2.37767	1.47E+00	3.20E+00	9.44E-01	1.75E-01	5.78E+00	1.44E+00	1.39E-04	1.04E-02	5.12E-03	1.46E+00	1.75E+00	3.20E+00	9.44E-01	1.75E-01	6.07E+00
4644	493363.09	3859877.25	7.44502	3.55778	5.3974	2.39706	1.22E+00	2.76E+00	1.05E+00	1.76E-01	5.20E+00	1.20E+00	1.20E-04	1.15E-02	5.16E-03	1.22E+00	1.46E+00	2.76E+00	1.05E+00	1.76E-01	5.44E+00
4645	493863.09	3859877.25	6.72066	3.19298	5.7564	2.38965	1.10E+00	2.48E+00	1.12E+00	1.76E-01	4.87E+00	1.08E+00	1.07E-04	1.22E-02	5.14E-03	1.10E+00	1.32E+00	2.48E+00	1.12E+00	1.76E-01	5.08E+00
4646	494363.09	3859877.25	6.5246	2.60404	6.487	2.31919	1.07E+00	2.02E+00	1.26E+00	1.71E-01	4.52E+00	1.05E+00	8.75E-05	1.38E-02	4.99E-03	1.07E+00	1.28E+00	2.02E+00	1.26E+00	1.71E-01	4.73E+00
4647	494863.09	3859877.25	6.52222	2.48457	7.0906	2.37309	1.07E+00	1.93E+00	1.37E+00	1.75E-01	4.54E+00	1.05E+00	8.35E-05	1.51E-02	5.11E-03	1.07E+00	1.28E+00	1.93E+00	1.37E+00	1.75E-01	4.75E+00
4648	495363.09	3859877.25	6.1235	2.16497	7.0762	2.30968	1.00E+00	1.68E+00	1.37E+00	1.70E-01	4.22E+00	9.87E-01	7.27E-05	1.50E-02	4.97E-03	1.01E+00	1.20E+00	1.68E+00	1.37E+00	1.70E-01	4.42E+00
4649	495863.09	3859877.25	5.58337	1.81022	7.0366	2.23901	9.13E-01	1.40E+00	1.36E+00	1.65E-01	3.85E+00	9.00E-01	6.08E-05	1.50E-02	4.82E-03	9.19E-01	1.09E+00	1.40E+00	1.36E+00	1.65E-01	4.03E+00
4650	496363.09	3859877.25	5.01388	1.28592	7.0438	2.06797	8.20E-01	9.97E-01	1.37E+00	1.52E-01	3.34E+00	8.08E-01	4.32E-05	1.50E-02	4.45E-03	8.27E-01	9.81E-01	9.98E-01	1.37E+00	1.52E-01	3.50E+00
4651	496863.09	3859877.25	3.26853	0.62332	6.0208	1.62001	5.35E-01	4.84E-01	1.17E+00	1.19E-01	2.30E+00	5.27E-01	2.09E-05	1.28E-02	3.49E-03	5.43E-01	6.40E-01	4.84E-01	1.17E+00	1.19E-01	2.41E+00
4652	497363.09	3859877.25	4.21228	1.03074	5.9898	1.80115	6.89E-01	8.00E-01	1.16E+00	1.33E-01	2.78E+00	6.79E-01	3.46E-05	1.27E-02	3.88E-03	6.95E-01	8.24E-01	8.00E-01	1.16E+00	1.33E-01	2.92E+00
4653	497863.09	3859877.25	4.32359	1.73002	5.4586	1.86988	7.07E-01	1.34E+00	1.06E+00	1.38E-01	3.25E+00	6.97E-01	5.81E-05	1.16E-02	4.03E-03	7.12E-01	8.46E-01	1.34E+00	1.06E+00	1.38E-01	3.38E+00
4654	498363.09	3859877.25	3.81063	2.13789	5.7577	1.83678	6.23E-01	1.66E+00	1.12E+00	1.35E-01	3.53E+00	6.14E-01	7.18E-05	1.22E-02	3.95E-03	6.30E-01	7.46E-01	1.66E+00	1.12E+00	1.35E-01	3.66E+00
4655	471363.09	3860377.25	2.23133	1.02384	0.4102	0.6239	3.65E-01	7.94E-01	7.95E-02	4.59E-02	1.28E+00	3.60E-01	3.44E-05	8.72E-04	1.34E-03	3.62E-01	4.37E-01	7.94E-01	7.95E-02	4.59E-02	1.36E+00
4656	471863.09	3860377.25	2.29642	1.06218	0.4512	0.62064	3.76E-01	8.24E-01	8.75E-02	4.57E-02	1.33E+00	3.70E-01	3.57E-05	9.59E-04	1.34E-03	3.72E-01	4.49E-01	8.24E-01	8.75E-02	4.57E-02	1.41E+00
4657	472363.09	3860377.25	2.42093	1.11405	0.47	0.62682	3.96E-01	8.64E-01	9.11E-02	4.61E-02	1.40E+00	3.90E-01	3.74E-05	9.99E-04	1.35E-03	3.92E-01	4.74E-01	8.64E-01	9.11E-02	4.61E-02	1.48E+00
4658	472863.09	3860377.25	2.56593	1.16298	0.4748	0.645	4.20E-01	9.02E-01	9.21E-02	4.75E-02	1.46E+00	4.13E-01	3.91E-05	1.01E-03	1.39E-03	4.16E-01	5.02E-01	9.02E-01	9.21E-02	4.75E-02	1.54E+00
4659	473363.09	3860377.25	2.71513	1.21292	0.4906	0.65612	4.44E-01	9.41E-01	9.51E-02	4.83E-02	1.53E+00	4.37E-01	4.07E-05	1.04E-03	1.41E-03	4.40E-01	5.31E-01	9.41E-01	9.51E-02	4.83E-02	1.62E+00
4660	473863.09	3860377.25	2.69785	1.24251	0.5166	0.63974	4.41E-01	9.64E-01	1.00E-01	4.71E-02	1.55E+00	4.35E-01	4.17E-05	1.10E-03	1.38E-03	4.37E-01	5.28E-01	9.64E-01	1.00E-01	4.71E-02	1.64E+00
4661	474363.09	3860377.25	2.86152	1.12894	0.5573	0.67376	4.68E-01	8.76E-01	1.08E-01	4.96E-02	1.50E+00	4.61E-01	3.79E-05	1.19E-03	1.45E-03	4.64E-01	5.60E-01	8.76E-01	1.08E-01	4.96E-02	1.59E+00
4662	474863.09	3860377.25	2.94524	0.91046	0.5767	0.67486	4.82E-01	7.06E-01	1.12E-01	4.97E-02	1.35E+00	4.75E-01	3.06E-05	1.23E-03	1.45E-03	4.77E-01	5.76E-01	7.06E-01	1.12E-01	4.97E-02	1.44E+00
4663	475363.09	3860377.25	2.57427	0.67704	0.6312	0.68143	4.21E-01	5.25E-01	1.22E-01	5.02E-02	1.12E+00	4.15E-01	2.27E-05	1.34E-03	1.47E-03	4.18E-01	5.04E-01	5.25E-01	1.22E-01	5.02E-02	1.20E+00
4664	475863.09	3860377.25	1.88295	0.52575	0.6735	0.70936	3.08E-01	4.08E-01	1.31E-01	5.22E-02	8.99E-01	3.03E-01	1.77E-05	1.43E-03	1.53E-03	3.06E-01	3.68E-01	4.08E-01	1.31E-01	5.22E-02	9.59E-01
4665	476363.09	3860377.25	1.18972	0.38364	0.7327	0.76237	1.95E-01	2.98E-01	1.42E-01	5.61E-02	6.90E-01	1.92E-01	1.29E-05	1.56E-03	1.64E-03	1.95E-01	2.33E-01	2.98E-01	1.42E-01	5.61E-02	7.29E-01
4666	476863.09	3860377.25	0.92895	0.36191	0.7603	0.69725	1.52E-01	2.81E-01	1.47E-01	5.13E-02	6.31E-01	1.50E-01	1.22E-05	1.62E-03	1.50E-03	1.53E-01	1.82E-01	2.81E-01	1.47E-01	5.13E-02	6.61E-01
4667	477363.09	3860377.25	0.54372	0.2947	0.5909	0.68756	8.89E-02	2.29E-01	1.15E-01	5.06E-02	4.83E-01	8.76E-02	9.90E-06	1.26E-03	1.48E-03	9.04E-02	1.06E-01	2.29E-01	1.15E-01	5.06E-02	5.00E-01
4668	477863.09	3860377.25	0.64202	0.33724	0.6451	0.77615	1.05E-01	2.62E-01	1.25E-01	5.71E-02	5.49E-01	1.03E-01	1.13E-05	1.37E-03	1.67E-03	1.07E-01	1.26E-01	2.62E-01	1.25E-01	5.71E-02	5.69E-01
4669	478363.09	3860377.25	1.43009	0.45455	1.0711	1.05414	2.34E-01	3.53E-01	2.08E-01	7.76E-02	8.72E-01	2.30E-01	1.53E-05	2.28E-03	2.27E-03	2.35E-01	2.80E-01	3.53E-01	2.08E-01	7.76E-02	9.18E-01
4670	478863.09	3860377.25	2.41538	0.65143	1.3122	1.05971	3.95E-01	5.05E-01	2.54E-01	7.80E-02	1.23E+00	3.89E-01	2.19E-05	2.79E-03	2.28E-03	3.94E-01	4.73E-01	5.05E-01	2.54E-01	7.80E-02	1.31E+00
4671	479363.09	3860377.25	3.3574	1.02108	1.6702	1.02639	5.49E-01	7.92E-01	3.24E-01	7.56E-02	1.74E+00	5.41E-01	3.43E-05	3.55E-03	2.21E-03	5.47E-01	6.57E-01	7.92E-01	3.24E-01	7.56E-02	1.85E+00
4672	479863.09	3860377.25	3.67637	1.59878	1.5772	1.03692	6.01E-01	1.24E+00	3.06E-01	7.63E-02	2.22E+00	5.92E-01	5.37E-05	3.35E-03	2.23E-03	5.98E-01	7.19E-01	1.24E+00	3.06E-01	7.63E-02	2.34E+00
4673	480363.09	3860377.25	3.55804	2.08213	1.2749	1.03987	5.82E-01	1.62E+00	2.47E-01	7.66E-02	2.52E+00	5.73E-01	6.99E-05	2.71E-03	2.24E-03	5.78E-01	6.96E-01	1.62E+00	2.47E-01	7.66E-02	2.64E+00
4674	480863.09	3860377.25	3.66039	2.40462	1.5071	1.00691	5.99E-01	1.87E+00	2.92E-01	7.41E-02	2.83E+00	5.90E-01	8.08E-05	3.20E-03	2.17E-03	5.95E-01	7.16E-01	1.87E+00	2.92E-01	7.41E-02	2.95E+00
4675	481363.09	3860377.25	3.85044	2.57423	2.1128	1.0359	6.30E-01	2.00E+00	4.10E-01	7.63E-02	3.11E+00	6.20E-01	8.65E-05	4.49E-03	2.23E-03	6.27E-01	7.53E-01	2.00E+00	4.10E-01	7.63E-02	3.24E+00
4676	481863.09	3860377.25	3.93427	2.70243	1.9965	1.01449	6.43E-01	2.10E+00	3.87E-01	7.47E-02	3.20E+00	6.34E-01	9.08E-05	4.24E-03	2.18E-03	6.40E-01	7.70E-01	2.10E+00	3.87E-01	7.47E-02	3.33E+00
4677	482363.09	3860377.25	4.15198	2.8758	2.0703	1.04143	6.79E-01	2.23E+00	4.01E-01	7.67E-02	3.39E+00	6.69E-01	9.66E-05	4.40E-03	2.24E-03	6.76E-01	8.12E-01	2.23E+00	4.01E-01	7.67E-02	3.52E+00
4678	482863.09	3860377.25	4.56426	3.02854	1.9504	1.05269	7.47E-01	2.35E+00	3.78E-01	7.75E-02	3.55E+00	7.35E-01	1.02E-04	4.15E-03	2.27E-03	7.42E-01	8.93E-01	2.35E+00	3.78E-01	7.75E-02	3.70E+00
4679	483363.09	3860377.25	4.6171	3.6143	1.4438	1.05652	7.55E-01	2.80E+00	2.80E-01	7.78E-02	3.92E+00	7.44E-01	1.21E-04	3.07E-03	2.27E-03	7.49E-01	9.03E-01	2.80E+00	2.80E-01	7.78E-02	4.06E+00
4680	483863.09	3860377.25	4.84758	3.97205	1.482	1.09115	7.93E-01	3.08E+00	2.87E-01	8.03E-02	4.24E+00	7.81E-01	1.33E-04	3.15E-03	2.35E-03	7.87E-01	9.49E-01	3.08E+00	2.87E-01	8.03E-02	4.40E+00
4681	484363.09	3860377.25	4.96057	4.47747	1.3104	1.40964	8.11E-01	3.47E+00	2.54E-01	1.04E-01	4.64E+00	7.99E-01	1.50E-04	2.79E-03	3.03E-03	8.05E-01	9.71E-01	3.47E+00	2.54E-01	1.04E-01	4.80E+00
4682	484863.09	3860377.25	5.31425	4.74942	1.3782	1.33993	8.69E-01	3.68E+00	2.67E-01	9.87E-02	4.92E+00	8.56E-01	1.60E-04	2.93E-03	2.88E-03	8.62E-01	1.04E+00	3.68E+00	2.67E-01	9.87E-02	5.09E+00
4683	485363.09	3860377.25	5.42114	5.2138	1.1421	1.29489	8.87E-01	4.04E+00	2.21E-01	9.53E-02	5.25E+00	8.74E-01	1.75E-04	2.43E-03	2.79E-03	8.79E-01	1.06E+00	4.04E+00	2.21E-01	9.53E-02	5.42E+00
4684	485863.09	3860377.25	5.85122	5.84075	1.0635	1.38035	9.57E-01	4.53E+00	2.06E-01	1.02E-01	5.80E+00	9.43E-01	1.96E-04	2.26E-03	2.97E-03	9.48E-01	1.14E+00	4.53E+00	2.06E-01	1.02E-01	5.98E+00
4685	486363.09	3860377.25	6.17377	6.9063	1.1311	1.39992	1.01E+00	5.36E+00	2.19E-01	1.03E-01	6.69E+00	9.95E-01	2.32E-04	2.40E-03	3.01E-03	1.00E+00	1.21E+00	5.36E+00	2.19E-01	1.03E-01	6.89E+00
4686	486863.09	3860377.25	6.89212	8.46355	1.0414	1.7361	1.13E+00	6.57E+00	2.02E-01	1.28E-01	8.02E+00	1.11E+00	2.84E-04	2.21E-03	3.74E-03	1.12E+00	1.35E+00	6.57E+00	2.02E-01	1.28E-01	8.24E+00
4687	487363.09	3860377.25	8.04629	11.6433	0.8234	1.9014	1.32E+00	9.03E+00	1.60E-01	1.40E-01	1.06E+01	1.30E+00	3.91E-04	1.75E-03	4.09E-03	1.30E+00	1.57E+00	9.03E+00	1.60E-01	1.40E-01	1.09E+01
4688	487863.09	3860377.25	8.44727	20.7855	0.8982	2.08101	1.38E+00	1.61E+01	1.74E-01	1.53E-01	1.78E+01	1.36E+00	6.98E-04	1.91E-03	4.48E-03	1.37E+00	1.65E+00	1.61E+01	1.74E-01	1.53E-01	1.81E+01
4689	488363.09	3860377.25	9.40883	24.8846	0.919	2.6785	1.54E+00	1.93E+01	1.78E-01	1.97E-01	2.12E+01	1.52E+00	8.36E-04	1.95E-03	5.77E-03	1.52E+00	1.84E+00	1.93E+01	1.78E-01	1.97E-01	2.15E+01
4690	488863.09	3860377.25	10.6706	27.1566	0.7383	3.40102	1.75E+00	2.11E+01	1.43E-01	2.50E-01	2.32E+01	1.72E+00	9.12E-04	1.57E-03	7.32E-03	1.73E+00	2.09E+00	2.11E+01	1.43E-01	2.50E-01	2.35E+01
4691	489363.09	3860377.25	10.2475	16.326	1.122	3.23411	1.68E+00	1.27E+01	2.18E-01	2.38E-01	1.48E+01	1.65E+00	5.48E-04	2.39E-03	6.96E-03	1.66E+00	2.01E+00	1.27E+01	2.18E-01	2.38E-01	1.51E+01
4692	489863.09	3860377.25	9.36614	11.7383	1.0336	3.07333	1.53E+00	9.11E+00	2.00E-01	2.26E-01	1.11E+01	1.51E+00	3.94E-04	2.20E-03	6.62E-03	1.52E+00	1.83E+00	9.11E+00	2.00E-01	2.26E-01	1.14E+01
4693	490363.09	3860377.25	10.5935	10.5929	1.6113	2.8248	1.73E+00	8.22E+00	3.12E-01	2.08E-01	1.05E+01	1.71E+00	3.56E-04	3.43E-03	6.08E-03	1.72E+00	2.07E+00	8.22E+00	3.12E-01	2.08E-01	1.08E+01

4694	490863.09	3860377.25	8.95527	8.98183	1.8889	2.68806	1.46E+00	6.97E+00	3.66E-01	1.98E-01	9.00E+00	1.44E+00	3.02E-04	4.02E-03	5.79E-03	1.45E+00	1.75E+00	6.97E+00	3.66E-01	1.98E-01	9.28E+00
4695	491363.09	3860377.25	7.60405	7.58362	2.3708	2.51477	1.24E+00	5.88E+00	4.60E-01	1.85E-01	7.77E+00	1.23E+00	2.55E-04	5.04E-03	5.41E-03	1.24E+00	1.49E+00	5.88E+00	4.60E-01	1.85E-01	8.02E+00
4696	491863.09	3860377.25	7.65885	6.51701	2.2805	2.44056	1.25E+00	5.06E+00	4.42E-01	1.80E-01	6.93E+00	1.23E+00	2.19E-04	4.85E-03	5.25E-03	1.24E+00	1.50E+00	5.06E+00	4.42E-01	1.80E-01	7.18E+00
4697	492363.09	3860377.25	7.1923	5.62804	2.2505	2.60024	1.18E+00	4.37E+00	4.36E-01	1.91E-01	6.17E+00	1.16E+00	1.89E-04	4.78E-03	5.60E-03	1.17E+00	1.41E+00	4.37E+00	4.36E-01	1.91E-01	6.40E+00
4698	492863.09	3860377.25	6.96077	4.87267	2.628	2.56323	1.14E+00	3.78E+00	5.10E-01	1.89E-01	5.62E+00	1.12E+00	1.64E-04	5.59E-03	5.52E-03	1.13E+00	1.36E+00	3.78E+00	5.10E-01	1.89E-01	5.84E+00
4699	493363.09	3860377.25	7.29732	4.45546	2.8699	2.40779	1.19E+00	3.46E+00	5.56E-01	1.77E-01	5.38E+00	1.18E+00	1.50E-04	6.10E-03	5.18E-03	1.19E+00	1.43E+00	3.46E+00	5.56E-01	1.77E-01	5.62E+00
4700	493863.09	3860377.25	7.22492	4.057	3.458	2.35948	1.18E+00	3.15E+00	6.71E-01	1.74E-01	5.17E+00	1.16E+00	1.36E-04	7.35E-03	5.08E-03	1.18E+00	1.41E+00	3.15E+00	6.71E-01	1.74E-01	5.41E+00
4701	494363.09	3860377.25	6.356	3.72262	3.7938	2.28786	1.04E+00	2.89E+00	7.36E-01	1.68E-01	4.83E+00	1.02E+00	1.25E-04	8.07E-03	4.93E-03	1.04E+00	1.24E+00	2.89E+00	7.36E-01	1.68E-01	5.04E+00
4702	494863.09	3860377.25	5.731	3.43407	4.1001	2.24049	9.37E-01	2.66E+00	7.95E-01	1.65E-01	4.56E+00	9.23E-01	1.15E-04	8.72E-03	4.82E-03	9.37E-01	1.12E+00	2.66E+00	7.95E-01	1.65E-01	4.75E+00
4703	495363.09	3860377.25	5.39057	3.10571	4.5914	2.14261	8.82E-01	2.41E+00	8.90E-01	1.58E-01	4.34E+00	8.69E-01	1.04E-04	9.76E-03	4.61E-03	8.83E-01	1.05E+00	2.41E+00	8.90E-01	1.58E-01	4.51E+00
4704	495863.09	3860377.25	5.27312	2.4502	4.7372	2.10203	8.62E-01	1.90E+00	9.19E-01	1.55E-01	3.84E+00	8.50E-01	8.23E-05	1.01E-02	4.53E-03	8.64E-01	1.03E+00	1.90E+00	9.19E-01	1.55E-01	4.01E+00
4705	496363.09	3860377.25	5.53692	1.84905	5.4918	2.1072	9.06E-01	1.43E+00	1.06E+00	1.55E-01	3.56E+00	8.92E-01	6.21E-05	1.17E-02	4.54E-03	9.08E-01	1.08E+00	1.43E+00	1.06E+00	1.55E-01	3.74E+00
4706	496863.09	3860377.25	4.89219	1.39812	5.2921	1.97863	8.00E-01	1.08E+00	1.03E+00	1.46E-01	3.06E+00	7.88E-01	4.70E-05	1.13E-02	4.26E-03	8.04E-01	9.57E-01	1.08E+00	1.03E+00	1.46E-01	3.21E+00
4707	497363.09	3860377.25	4.2251	0.97583	5.1777	1.77449	6.91E-01	7.57E-01	1.00E+00	1.31E-01	2.58E+00	6.81E-01	3.28E-05	1.10E-02	3.82E-03	6.96E-01	8.27E-01	7.57E-01	1.00E+00	1.31E-01	2.72E+00
4708	497863.09	3860377.25	4.60645	1.60605	5.5221	1.75182	7.53E-01	1.25E+00	1.07E+00	1.29E-01	3.20E+00	7.42E-01	5.39E-05	1.17E-02	3.77E-03	7.58E-01	9.01E-01	1.25E+00	1.07E+00	1.29E-01	3.35E+00
4709	498363.09	3860377.25	3.93425	2.16929	5.364	1.76463	6.43E-01	1.68E+00	1.04E+00	1.30E-01	3.50E+00	6.34E-01	7.29E-05	1.14E-02	3.80E-03	6.49E-01	7.70E-01	1.68E+00	1.04E+00	1.30E-01	3.62E+00
4710	471363.09	3860877.25	2.30489	1.13401	0.4302	0.48362	3.77E-01	8.80E-01	8.34E-02	3.56E-02	1.38E+00	3.71E-01	3.81E-05	9.15E-04	1.04E-03	3.73E-01	4.51E-01	8.80E-01	8.34E-02	3.56E-02	1.45E+00
4711	471863.09	3860877.25	2.34935	1.15386	0.4383	0.48336	3.84E-01	8.95E-01	8.50E-02	3.56E-02	1.40E+00	3.79E-01	3.88E-05	9.32E-04	1.04E-03	3.81E-01	4.60E-01	8.95E-01	8.50E-02	3.56E-02	1.48E+00
4712	472363.09	3860877.25	2.43074	1.22138	0.4666	0.51136	3.98E-01	9.47E-01	9.05E-02	3.76E-02	1.47E+00	3.92E-01	4.10E-05	9.92E-04	1.10E-03	3.94E-01	4.76E-01	9.47E-01	9.05E-02	3.76E-02	1.55E+00
4713	472863.09	3860877.25	2.49675	1.3091	0.5169	0.54142	4.08E-01	1.02E+00	1.00E-01	3.99E-02	1.56E+00	4.02E-01	4.40E-05	1.10E-03	1.17E-03	4.05E-01	4.89E-01	1.02E+00	1.00E-01	3.99E-02	1.64E+00
4714	473363.09	3860877.25	2.60581	1.33582	0.55	0.55262	4.26E-01	1.04E+00	1.07E-01	4.07E-02	1.61E+00	4.20E-01	4.49E-05	1.17E-03	1.19E-03	4.22E-01	5.10E-01	1.04E+00	1.07E-01	4.07E-02	1.69E+00
4715	473863.09	3860877.25	2.79351	1.31671	0.6028	0.5817	4.57E-01	1.02E+00	1.17E-01	4.28E-02	1.64E+00	4.50E-01	4.42E-05	1.28E-03	1.25E-03	4.53E-01	5.47E-01	1.02E+00	1.17E-01	4.28E-02	1.73E+00
4716	474363.09	3860877.25	2.95848	1.26562	0.6345	0.62798	4.84E-01	9.82E-01	1.23E-01	4.62E-02	1.63E+00	4.77E-01	4.25E-05	1.35E-03	1.35E-03	4.79E-01	5.79E-01	9.82E-01	1.23E-01	4.62E-02	1.73E+00
4717	474863.09	3860877.25	2.9348	1.22045	0.6839	0.66253	4.80E-01	9.47E-01	1.33E-01	4.88E-02	1.61E+00	4.73E-01	4.10E-05	1.45E-03	1.43E-03	4.76E-01	5.74E-01	9.47E-01	1.33E-01	4.88E-02	1.70E+00
4718	475363.09	3860877.25	2.93079	1.08569	0.7302	0.69729	4.79E-01	8.42E-01	1.42E-01	5.13E-02	1.51E+00	4.72E-01	3.65E-05	1.55E-03	1.50E-03	4.75E-01	5.73E-01	8.42E-01	1.42E-01	5.13E-02	1.61E+00
4719	475863.09	3860877.25	2.8342	0.89889	0.7409	0.76117	4.64E-01	6.97E-01	1.44E-01	5.60E-02	1.36E+00	4.57E-01	3.02E-05	1.58E-03	1.64E-03	4.60E-01	5.55E-01	6.97E-01	1.44E-01	5.60E-02	1.45E+00
4720	476363.09	3860877.25	2.46895	0.69188	0.8112	0.78008	4.04E-01	5.37E-01	1.57E-01	5.74E-02	1.16E+00	3.98E-01	2.32E-05	1.72E-03	1.68E-03	4.01E-01	4.83E-01	5.37E-01	1.57E-01	5.74E-02	1.23E+00
4721	476863.09	3860877.25	2.23862	0.60564	0.9631	0.85713	3.66E-01	4.70E-01	1.87E-01	6.31E-02	1.09E+00	3.61E-01	2.03E-05	2.05E-03	1.85E-03	3.65E-01	4.38E-01	4.70E-01	1.87E-01	6.31E-02	1.16E+00
4722	477363.09	3860877.25	2.24558	0.5825	1.1771	0.94089	3.67E-01	4.52E-01	2.28E-01	6.93E-02	1.12E+00	3.62E-01	1.96E-05	2.50E-03	2.03E-03	3.66E-01	4.39E-01	4.52E-01	2.28E-01	6.93E-02	1.19E+00
4723	477863.09	3860877.25	1.72147	0.47147	1.4942	0.95845	2.82E-01	3.66E-01	2.90E-01	7.06E-02	1.01E+00	2.77E-01	1.58E-05	3.18E-03	2.06E-03	2.83E-01	3.37E-01	3.66E-01	2.90E-01	7.06E-02	1.06E+00
4724	478363.09	3860877.25	0.77838	0.3234	0.9236	0.72625	1.27E-01	2.51E-01	1.79E-01	5.35E-02	6.11E-01	1.25E-01	1.09E-05	1.96E-03	1.56E-03	1.29E-01	1.52E-01	2.51E-01	1.79E-01	5.35E-02	6.36E-01
4725	478863.09	3860877.25	2.32885	0.56159	1.7928	0.88552	3.81E-01	4.36E-01	3.48E-01	6.52E-02	1.23E+00	3.75E-01	1.89E-05	3.81E-03	1.91E-03	3.81E-01	4.56E-01	4.36E-01	3.48E-01	6.52E-02	1.30E+00
4726	479363.09	3860877.25	3.10565	0.98883	1.321	1.01652	5.08E-01	7.67E-01	2.56E-01	7.48E-02	1.61E+00	5.00E-01	3.32E-05	2.81E-03	2.19E-03	5.05E-01	6.08E-01	7.67E-01	2.56E-01	7.48E-02	1.71E+00
4727	479863.09	3860877.25	3.20024	1.54526	1.6808	0.97561	5.23E-01	1.20E+00	3.26E-01	7.18E-02	2.12E+00	5.16E-01	5.19E-05	3.57E-03	2.10E-03	5.21E-01	6.26E-01	1.20E+00	3.26E-01	7.18E-02	2.22E+00
4728	480363.09	3860877.25	3.34296	2.03361	1.6796	0.90358	5.47E-01	1.58E+00	3.26E-01	6.65E-02	2.52E+00	5.39E-01	6.83E-05	3.57E-03	1.95E-03	5.44E-01	6.54E-01	1.58E+00	3.26E-01	6.65E-02	2.62E+00
4729	480863.09	3860877.25	3.54	2.2727	1.5154	0.95103	5.79E-01	1.76E+00	2.94E-01	7.00E-02	2.71E+00	5.70E-01	7.63E-05	3.22E-03	2.05E-03	5.76E-01	6.93E-01	1.76E+00	2.94E-01	7.00E-02	2.82E+00
4730	481363.09	3860877.25	3.52582	2.51482	1.7511	0.95015	5.77E-01	1.95E+00	3.40E-01	7.00E-02	2.94E+00	5.68E-01	8.45E-05	3.72E-03	2.05E-03	5.74E-01	6.90E-01	1.95E+00	3.40E-01	7.00E-02	3.05E+00
4731	481863.09	3860877.25	3.67733	2.71445	1.4695	0.86732	6.01E-01	2.11E+00	2.85E-01	6.39E-02	3.06E+00	5.93E-01	9.12E-05	3.12E-03	1.87E-03	5.98E-01	7.20E-01	2.11E+00	2.85E-01	6.39E-02	3.17E+00
4732	482363.09	3860877.25	3.9989	3.01099	1.1665	0.87565	6.54E-01	2.34E+00	2.26E-01	6.45E-02	3.28E+00	6.44E-01	1.01E-04	2.48E-03	1.89E-03	6.49E-01	7.83E-01	2.34E+00	2.26E-01	6.45E-02	3.41E+00
4733	482863.09	3860877.25	4.23368	3.15133	1.3092	0.95726	6.92E-01	2.44E+00	2.54E-01	7.05E-02	3.46E+00	6.82E-01	1.06E-04	2.78E-03	2.06E-03	6.87E-01	8.28E-01	2.44E+00	2.54E-01	7.05E-02	3.60E+00
4734	483363.09	3860877.25	4.32489	3.36155	1.0011	1.1883	7.07E-01	2.61E+00	1.94E-01	8.75E-02	3.60E+00	6.97E-01	1.13E-04	2.13E-03	2.56E-03	7.02E-01	8.46E-01	2.61E+00	1.94E-01	8.75E-02	3.74E+00
4735	483863.09	3860877.25	4.60869	3.51155	1.0281	1.29121	7.54E-01	2.72E+00	1.99E-01	9.51E-02	3.77E+00	7.43E-01	1.18E-04	2.19E-03	2.78E-03	7.48E-01	9.02E-01	2.72E+00	1.99E-01	9.51E-02	3.92E+00
4736	484363.09	3860877.25	4.79119	3.9736	1.0273	1.40686	7.84E-01	3.08E+00	1.99E-01	1.04E-01	4.17E+00	7.72E-01	1.33E-04	2.18E-03	3.03E-03	7.77E-01	9.38E-01	3.08E+00	1.99E-01	1.04E-01	4.32E+00
4737	484863.09	3860877.25	4.78574	4.18302	0.8363	1.35162	7.83E-01	3.24E+00	1.62E-01	9.95E-02	4.29E+00	7.71E-01	1.41E-04	1.78E-03	2.91E-03	7.76E-01	9.36E-01	3.24E+00	1.62E-01	9.95E-02	4.44E+00
4738	485363.09	3860877.25	5.05297	4.56699	0.8342	1.38336	8.26E-01	3.54E+00	1.62E-01	1.02E-01	4.63E+00	8.14E-01	1.53E-04	1.77E-03	2.98E-03	8.19E-01	9.89E-01	3.54E+00	1.62E-01	1.02E-01	4.80E+00
4739	485863.09	3860877.25	5.36284	5.27077	0.9413	1.20987	8.77E-01	4.09E+00	1.83E-01	8.91E-02	5.24E+00	8.64E-01	1.77E-04	2.00E-03	2.60E-03	8.69E-01	1.05E+00	4.09E+00	1.83E-01	8.91E-02	5.41E+00
4740	486363.09	3860877.25	5.52996	6.12156	1.2329	1.304	9.04E-01	4.75E+00	2.39E-01	9.60E-02	5.99E+00	8.91E-01	2.06E-04	2.62E-03	2.81E-03	8.97E-01	1.08E+00	4.75E+00	2.39E-01	9.60E-02	6.17E+00
4741	486863.09	3860877.25	6.18754	7.28473	0.838	1.52225	1.01E+00	5.65E+00	1.62E-01	1.12E-01	6.94E+00	9.97E-01	2.45E-04	1.78E-03	3.28E-03	1.00E+00	1.21E+00	5.65E+00	1.62E-01	1.12E-01	7.14E+00
4742	487363.09	3860877.25	7.00842	9.71899	0.6981	1.34175	1.15E+00	7.54E+00	1.35E-01	9.88E-02	8.92E+00	1.13E+00	3.26E-04	1.48E-03	2.89E-03	1.13E+00	1.37E+00	7.54E+00	1.35E-01	9.88E-02	9.14E+00
4743	487863.09	3860877.25	7.11842	12.1803	0.7212	1.50702	1.16E+00	9.45E+00	1.40E-01	1.11E-01	1.09E+01	1.15E+00	4.09E-04	1.53E-03	3.24E-03	1.15E+00	1.39E+00	9.45E+00	1.40E-01	1.11E-01	1.11E+01
4744	488363.09	3860877.25	8.13355	15.9282	0.7611	1.46185	1.33E+00	1.24E+01	1.48E-01	1.08E-01	1.39E+01	1.31E+00	5.35E-04	1.62E-03	3.15E-03	1.32E+00	1.59E+00	1.24E+01	1.48E-01	1.08E-01	1.42E+01
4745	488863.09	3860877.25	8.9666	17.4037	0.64	1.96594	1.47E+00	1.35E+01	1.24E-01	1.45E-01	1.52E+01	1.44E+00	5.85E-04	1.36E-03	4.23E-03	1.45E+00	1.75E+00	1.35E+01	1.24E-01	1.45E-01	1.55E+01
4746	489363.09	3860877.25	8.83298	17.9023	0.7483	1.91528	1.44E+00	1.39E+01	1.45E-01	1.41E-01	1.56E+01	1.42E+00	6.01E-04	1.59E-03	4.12E-03	1.43E+00	1.73E+00	1.39E+01	1.45E-01	1.41E-01	1.59E+01
4747	489863.09	3860877.25	8.79219	13.7392	0.7702	1.6606	1.44E+00	1.07E+01	1.49E-01	1.22E-01	1.24E+01	1.42E+00	4.62E-04	1.64E-03	3.57E-03	1.42E+00	1.72E+00	1.07E+01	1.49E-01	1.22E-01	1.27E+01
4748	490363.09	3860877.25	7.86943	10.3186	0.8602	1.71173	1.29E+00	8.00E+00	1.67E-01	1.26E-01	9.58E+00	1.27E+00	3.47E-04	1.83E-03	3.68E-03	1.27E+00	1.54E+00	8.00E+00	1.67E-01	1.26E-01	9.84E+00
4749	490863.09	3860877.25	8.72149	8.67094	1.1695	1.90076	1.43E+00	6.73E+00	2.27E-01	1.40E-01	8.52E+00	1.41E+00	2.91E-04	2.49E-03	4.09E-03	1.41E+00	1.71E+00	6.73E+00	2.27E-01	1.40E-01	8.80E+00
4750	491363.09	3860877.25	7.88838	7.93732	1.4192	2.03429	1.29E+00	6.16E+00	2.75E-01	1.50E-01	7.87E+00	1.27E+00	2.67E-04	3.02E-03	4.38E-03	1.28E+00	1.54E+00	6.16E+00	2.75E-01	1.50E-01	8.13E+00
4751	491863.09	3860877.25	6.80546	7.10954	1.7671	1.99826	1.11E+00	5.51E+00	3.43E-01	1.47E-01	7.12E+00	1.10E+00	2.39E-04	3.76E-03	4.30E-03	1.10E+00	1.33E+00	5.52E+00	3.43E-01	1.47E-01	7.34E+00
4752	492363.09	3860877.25	6.44178	6.03746	1.6492	1.95973	1.05E+00	4.68E+00	3.20E-01	1.44E-01	6.20E+00	1.04E+00	2.03E-04	3.51E-03	4.22E-03	1.05E+00	1.26E+00	4.68E+00	3.20E-01	1.44E-01	6.41E+00
4753	492863.09	3860877.25	6.12111	5.40399	1.6173	2.04203	1.00E+00	4.19E+00	3.14E-01	1.50E-01	5.66E+00	9.86E-01	1.82E-04	3.44E-03	4.40E-03	9.94E-01	1.20E+00	4.19E+00	3.14E-01	1.50E-01	5.85E+00
4754	493363.09	3860877.25	5.83334	4.96546	1.7469	2.0997	9.54E-01	3.85E+00	3.39E-01	1.55E-01	5.30E+00	9.40E-01	1.67E-04	3.71E-03	4.52E-03	9.48E-01	1.14E+00	3.85E+00	3.39E-01	1.55E-01	5.49E+00

4755	493863.09	3860877.25	5.86585	4.46069	1.9315	2.10487	9.59E-01	3.46E+00	3.75E-01	1.55E-01	4.95E+00	9.45E-01	1.50E-04	4.11E-03	4.53E-03	9.54E-01	1.15E+00	3.46E+00	3.75E-01	1.55E-01	5.14E+00
4756	494363.09	3860877.25	6.00169	4.0178	2.0746	2.15432	9.82E-01	3.12E+00	4.02E-01	1.59E-01	4.66E+00	9.67E-01	1.35E-04	4.41E-03	4.64E-03	9.76E-01	1.17E+00	3.12E+00	4.02E-01	1.59E-01	4.85E+00
4757	494863.09	3860877.25	6.01423	3.64765	2.3204	2.13517	9.84E-01	2.83E+00	4.50E-01	1.57E-01	4.42E+00	9.69E-01	1.23E-04	4.93E-03	4.60E-03	9.79E-01	1.18E+00	2.83E+00	4.50E-01	1.57E-01	4.61E+00
4758	495363.09	3860877.25	5.44229	3.37816	2.7685	2.06988	8.90E-01	2.62E+00	5.37E-01	1.52E-01	4.20E+00	8.77E-01	1.13E-04	5.89E-03	4.46E-03	8.87E-01	1.06E+00	2.62E+00	5.37E-01	1.52E-01	4.37E+00
4759	495863.09	3860877.25	4.91948	3.16292	3.3803	2.09966	8.05E-01	2.45E+00	6.55E-01	1.55E-01	4.07E+00	7.93E-01	1.06E-04	7.19E-03	4.52E-03	8.04E-01	9.63E-01	2.45E+00	6.55E-01	1.55E-01	4.23E+00
4760	496363.09	3860877.25	4.67465	2.96952	3.4867	2.01106	7.65E-01	2.30E+00	6.76E-01	1.48E-01	3.89E+00	7.53E-01	9.98E-05	7.41E-03	4.33E-03	7.65E-01	9.15E-01	2.30E+00	6.76E-01	1.48E-01	4.04E+00
4761	496863.09	3860877.25	4.73615	2.40995	3.7747	2.01018	7.75E-01	1.87E+00	7.32E-01	1.48E-01	3.52E+00	7.63E-01	8.10E-05	8.03E-03	4.33E-03	7.76E-01	9.27E-01	1.87E+00	7.32E-01	1.48E-01	3.68E+00
4762	497363.09	3860877.25	4.66704	2.2702	3.6438	1.91047	7.63E-01	1.76E+00	7.07E-01	1.41E-01	3.37E+00	7.52E-01	7.63E-05	7.75E-03	4.11E-03	7.64E-01	9.13E-01	1.76E+00	7.07E-01	1.41E-01	3.52E+00
4763	497863.09	3860877.25	4.57421	2.07305	4.0608	1.97029	7.48E-01	1.61E+00	7.87E-01	1.45E-01	3.29E+00	7.37E-01	6.96E-05	8.63E-03	4.24E-03	7.50E-01	8.95E-01	1.61E+00	7.87E-01	1.45E-01	3.44E+00
4764	498363.09	3860877.25	3.91274	2.24907	4.4529	1.75007	6.40E-01	1.74E+00	8.63E-01	1.29E-01	3.38E+00	6.30E-01	7.55E-05	9.47E-03	3.77E-03	6.44E-01	7.66E-01	1.74E+00	8.63E-01	1.29E-01	3.50E+00
4765	471363.09	3861377.25	2.30005	1.15515	0.4927	0.45797	3.76E-01	8.96E-01	9.55E-02	3.37E-02	1.40E+00	3.71E-01	3.88E-05	1.05E-03	9.86E-04	3.73E-01	4.50E-01	8.96E-01	9.55E-02	3.37E-02	1.48E+00
4766	471863.09	3861377.25	2.2787	1.13892	0.5362	0.46779	3.73E-01	8.83E-01	1.04E-01	3.44E-02	1.39E+00	3.67E-01	3.83E-05	1.14E-03	1.01E-03	3.69E-01	4.46E-01	8.84E-01	1.04E-01	3.44E-02	1.47E+00
4767	472363.09	3861377.25	2.37675	1.19748	0.5633	0.49163	3.89E-01	9.29E-01	1.09E-01	3.62E-02	1.46E+00	3.83E-01	4.02E-05	1.20E-03	1.06E-03	3.85E-01	4.65E-01	9.29E-01	1.09E-01	3.62E-02	1.54E+00
4768	472863.09	3861377.25	2.52389	1.27978	0.6162	0.53785	4.13E-01	9.93E-01	1.19E-01	3.96E-02	1.56E+00	4.07E-01	4.30E-05	1.31E-03	1.16E-03	4.09E-01	4.94E-01	9.93E-01	1.19E-01	3.96E-02	1.65E+00
4769	473363.09	3861377.25	2.63528	1.31845	0.624	0.58876	4.31E-01	1.02E+00	1.21E-01	4.33E-02	1.62E+00	4.25E-01	4.43E-05	1.33E-03	1.27E-03	4.27E-01	5.16E-01	1.02E+00	1.21E-01	4.33E-02	1.70E+00
4770	473863.09	3861377.25	2.62346	1.31496	0.6227	0.61811	4.29E-01	1.02E+00	1.21E-01	4.55E-02	1.62E+00	4.23E-01	4.42E-05	1.32E-03	1.33E-03	4.25E-01	5.13E-01	1.02E+00	1.21E-01	4.55E-02	1.70E+00
4771	474363.09	3861377.25	2.64732	1.37138	0.6483	0.63341	4.33E-01	1.06E+00	1.26E-01	4.66E-02	1.67E+00	4.27E-01	4.61E-05	1.38E-03	1.36E-03	4.29E-01	5.18E-01	1.06E+00	1.26E-01	4.66E-02	1.75E+00
4772	474863.09	3861377.25	2.71148	1.3166	0.7558	0.69947	4.43E-01	1.02E+00	1.47E-01	5.15E-02	1.66E+00	4.37E-01	4.42E-05	1.61E-03	1.51E-03	4.40E-01	5.31E-01	1.02E+00	1.47E-01	5.15E-02	1.75E+00
4773	475363.09	3861377.25	2.78518	1.36175	0.6866	0.72983	4.56E-01	1.06E+00	1.33E-01	5.37E-02	1.70E+00	4.49E-01	4.57E-05	1.46E-03	1.57E-03	4.52E-01	5.45E-01	1.06E+00	1.33E-01	5.37E-02	1.79E+00
4774	475863.09	3861377.25	2.83496	1.27797	1.083	0.75497	4.64E-01	9.91E-01	2.10E-01	5.56E-02	1.72E+00	4.57E-01	4.29E-05	2.30E-03	1.63E-03	4.61E-01	5.55E-01	9.91E-01	2.10E-01	5.56E-02	1.81E+00
4775	476363.09	3861377.25	2.80232	1.11528	1.3293	0.84053	4.58E-01	8.65E-01	2.58E-01	6.19E-02	1.64E+00	4.52E-01	3.75E-05	2.83E-03	1.81E-03	4.56E-01	5.48E-01	8.65E-01	2.58E-01	6.19E-02	1.73E+00
4776	476863.09	3861377.25	2.83974	1.01471	1.2022	0.85921	4.64E-01	7.87E-01	2.33E-01	6.33E-02	1.55E+00	4.58E-01	3.41E-05	2.56E-03	1.85E-03	4.62E-01	5.56E-01	7.87E-01	2.33E-01	6.33E-02	1.64E+00
4777	477363.09	3861377.25	2.84373	0.93546	1.1405	0.83507	4.65E-01	7.26E-01	2.21E-01	6.15E-02	1.47E+00	4.58E-01	3.14E-05	2.42E-03	1.80E-03	4.62E-01	5.56E-01	7.26E-01	2.21E-01	6.15E-02	1.56E+00
4778	477863.09	3861377.25	2.29007	0.58137	1.1238	0.84008	3.75E-01	4.51E-01	2.18E-01	6.19E-02	1.11E+00	3.69E-01	1.95E-05	2.39E-03	1.81E-03	3.73E-01	4.48E-01	4.51E-01	2.18E-01	6.19E-02	1.18E+00
4779	478363.09	3861377.25	1.09951	0.35709	1.0657	0.721	1.80E-01	2.77E-01	2.07E-01	5.31E-02	7.17E-01	1.77E-01	1.20E-05	2.27E-03	1.55E-03	1.81E-01	2.15E-01	2.77E-01	2.07E-01	5.31E-02	7.52E-01
4780	478863.09	3861377.25	1.50505	0.41213	1.2032	0.87535	2.46E-01	3.20E-01	2.33E-01	6.44E-02	8.64E-01	2.43E-01	1.38E-05	2.56E-03	1.88E-03	2.47E-01	2.95E-01	3.20E-01	2.33E-01	6.44E-02	9.12E-01
4781	479363.09	3861377.25	2.79505	0.87348	1.1938	0.97592	4.57E-01	6.78E-01	2.31E-01	7.19E-02	1.44E+00	4.50E-01	2.93E-05	2.54E-03	2.10E-03	4.55E-01	5.47E-01	6.78E-01	2.31E-01	7.19E-02	1.53E+00
4782	479863.09	3861377.25	3.04896	1.58408	1.2349	0.88995	4.99E-01	1.23E+00	2.39E-01	6.55E-02	2.03E+00	4.91E-01	5.32E-05	2.63E-03	1.92E-03	4.96E-01	5.97E-01	1.23E+00	2.39E-01	6.55E-02	2.13E+00
4783	480363.09	3861377.25	3.08843	2.18776	1.3781	0.8835	5.05E-01	1.70E+00	2.67E-01	6.50E-02	2.53E+00	4.98E-01	7.35E-05	2.93E-03	1.90E-03	5.03E-01	6.04E-01	1.70E+00	2.67E-01	6.50E-02	2.63E+00
4784	480863.09	3861377.25	3.21801	2.38494	1.1702	0.87554	5.26E-01	1.85E+00	2.27E-01	6.45E-02	2.67E+00	5.19E-01	8.01E-05	2.49E-03	1.88E-03	5.23E-01	6.30E-01	1.85E+00	2.27E-01	6.45E-02	2.77E+00
4785	481363.09	3861377.25	3.317	2.5909	0.9244	0.86285	5.43E-01	2.01E+00	1.79E-01	6.35E-02	2.80E+00	5.34E-01	8.70E-05	1.97E-03	1.86E-03	5.38E-01	6.49E-01	2.01E+00	1.79E-01	6.35E-02	2.90E+00
4786	481863.09	3861377.25	3.58689	2.65247	1.0722	0.90731	5.87E-01	2.06E+00	2.08E-01	6.68E-02	2.92E+00	5.78E-01	8.91E-05	2.28E-03	1.95E-03	5.82E-01	7.02E-01	2.06E+00	2.08E-01	6.68E-02	3.03E+00
4787	482363.09	3861377.25	3.85166	2.77493	0.8773	0.91903	6.30E-01	2.15E+00	1.70E-01	6.77E-02	3.02E+00	6.21E-01	9.32E-05	1.87E-03	1.98E-03	6.25E-01	7.54E-01	2.15E+00	1.70E-01	6.77E-02	3.14E+00
4788	482863.09	3861377.25	3.83685	2.87938	0.8711	1.0522	6.28E-01	2.23E+00	1.69E-01	7.75E-02	3.11E+00	6.18E-01	9.67E-05	1.85E-03	2.27E-03	6.22E-01	7.51E-01	2.23E+00	1.69E-01	7.75E-02	3.23E+00
4789	483363.09	3861377.25	3.97683	3.03798	0.8791	1.10204	6.50E-01	2.36E+00	1.70E-01	8.11E-02	3.26E+00	6.41E-01	1.02E-04	1.87E-03	2.37E-03	6.45E-01	7.78E-01	2.36E+00	1.70E-01	8.11E-02	3.39E+00
4790	483863.09	3861377.25	4.33639	3.3668	0.811	1.22239	7.09E-01	2.61E+00	1.57E-01	9.00E-02	3.57E+00	6.99E-01	1.13E-04	1.72E-03	2.63E-03	7.03E-01	8.49E-01	2.61E+00	1.57E-01	9.00E-02	3.71E+00
4791	484363.09	3861377.25	4.58629	3.64852	0.7354	1.2604	7.50E-01	2.83E+00	1.43E-01	9.28E-02	3.82E+00	7.39E-01	1.23E-04	1.56E-03	2.71E-03	7.43E-01	8.97E-01	2.83E+00	1.43E-01	9.28E-02	3.96E+00
4792	484863.09	3861377.25	4.53969	3.84094	0.7146	1.23208	7.43E-01	2.98E+00	1.39E-01	9.07E-02	3.95E+00	7.31E-01	1.29E-04	1.52E-03	2.65E-03	7.36E-01	8.88E-01	2.98E+00	1.39E-01	9.07E-02	4.10E+00
4793	485363.09	3861377.25	4.6375	4.14636	0.8134	1.06397	7.59E-01	3.22E+00	1.58E-01	7.83E-02	4.21E+00	7.47E-01	1.39E-04	1.73E-03	2.29E-03	7.51E-01	9.07E-01	3.22E+00	1.58E-01	7.83E-02	4.36E+00
4794	485863.09	3861377.25	4.84437	4.6115	0.9073	0.98252	7.92E-01	3.58E+00	1.76E-01	7.23E-02	4.62E+00	7.81E-01	1.55E-04	1.93E-03	2.12E-03	7.85E-01	9.48E-01	3.58E+00	1.76E-01	7.23E-02	4.77E+00
4795	486363.09	3861377.25	4.96819	5.12421	0.7627	0.97386	8.13E-01	3.97E+00	1.48E-01	7.17E-02	5.01E+00	8.01E-01	1.72E-04	1.62E-03	2.10E-03	8.04E-01	9.72E-01	3.98E+00	1.48E-01	7.17E-02	5.17E+00
4796	486863.09	3861377.25	5.52986	6.03592	0.6587	1.17369	9.04E-01	4.68E+00	1.28E-01	8.64E-02	5.80E+00	8.91E-01	2.03E-04	1.40E-03	2.53E-03	8.95E-01	1.08E+00	4.68E+00	1.28E-01	8.64E-02	5.98E+00
4797	487363.09	3861377.25	6.0903	7.85666	0.5946	0.95749	9.96E-01	6.09E+00	1.15E-01	7.05E-02	7.28E+00	9.81E-01	2.64E-04	1.26E-03	2.06E-03	9.85E-01	1.19E+00	6.09E+00	1.15E-01	7.05E-02	7.47E+00
4798	487863.09	3861377.25	6.53563	8.26678	0.631	0.78574	1.07E+00	6.41E+00	1.22E-01	5.78E-02	7.66E+00	1.05E+00	2.78E-04	1.34E-03	1.69E-03	1.06E+00	1.28E+00	6.41E+00	1.22E-01	5.78E-02	7.87E+00
4799	488363.09	3861377.25	6.64346	9.52576	0.6405	0.78412	1.09E+00	7.39E+00	1.24E-01	5.77E-02	8.66E+00	1.07E+00	3.20E-04	1.36E-03	1.69E-03	1.07E+00	1.30E+00	7.39E+00	1.24E-01	5.77E-02	8.87E+00
4800	488863.09	3861377.25	7.20574	11.8086	0.5901	0.79823	1.18E+00	9.16E+00	1.14E-01	5.88E-02	1.05E+01	1.16E+00	3.97E-04	1.25E-03	1.72E-03	1.16E+00	1.41E+00	9.16E+00	1.14E-01	5.88E-02	1.07E+01
4801	489363.09	3861377.25	7.91066	12.7302	0.5478	1.07712	1.29E+00	9.87E+00	1.06E-01	7.93E-02	1.14E+01	1.27E+00	4.28E-04	1.16E-03	2.32E-03	1.28E+00	1.55E+00	9.88E+00	1.06E-01	7.93E-02	1.16E+01
4802	489863.09	3861377.25	7.74064	12.4077	0.7457	1.24702	1.27E+00	9.62E+00	1.45E-01	9.18E-02	1.11E+01	1.25E+00	4.17E-04	1.59E-03	2.68E-03	1.25E+00	1.51E+00	9.63E+00	1.45E-01	9.18E-02	1.14E+01
4803	490363.09	3861377.25	7.44572	11.0754	0.6182	0.99284	1.22E+00	8.59E+00	1.20E-01	7.31E-02	1.00E+01	1.20E+00	3.72E-04	1.31E-03	2.14E-03	1.20E+00	1.46E+00	8.59E+00	1.20E-01	7.31E-02	1.02E+01
4804	490863.09	3861377.25	6.86409	9.41374	0.6953	1.09754	1.12E+00	7.30E+00	1.35E-01	8.08E-02	8.64E+00	1.11E+00	3.16E-04	1.48E-03	2.36E-03	1.11E+00	1.34E+00	7.30E+00	1.35E-01	8.08E-02	8.86E+00
4805	491363.09	3861377.25	7.363	8.0004	0.9206	1.2405	1.20E+00	6.21E+00	1.79E-01	9.13E-02	7.68E+00	1.19E+00	2.69E-04	1.96E-03	2.67E-03	1.19E+00	1.44E+00	6.21E+00	1.79E-01	9.13E-02	7.92E+00
4806	491863.09	3861377.25	7.20802	7.0907	1.1993	1.44548	1.18E+00	5.50E+00	2.33E-01	1.06E-01	7.02E+00	1.16E+00	2.38E-04	2.55E-03	3.11E-03	1.17E+00	1.41E+00	5.50E+00	2.33E-01	1.06E-01	7.25E+00
4807	492363.09	3861377.25	5.77728	6.46392	1.3524	1.45696	9.45E-01	5.01E+00	2.62E-01	1.07E-01	6.33E+00	9.31E-01	2.17E-04	2.88E-03	3.14E-03	9.37E-01	1.13E+00	5.01E+00	2.62E-01	1.07E-01	6.51E+00
4808	492863.09	3861377.25	5.17178	5.80869	1.3456	1.41891	8.46E-01	4.51E+00	2.61E-01	1.04E-01	5.72E+00	8.33E-01	1.95E-04	2.86E-03	3.05E-03	8.39E-01	1.01E+00	4.51E+00	2.61E-01	1.04E-01	5.88E+00
4809	493363.09	3861377.25	5.5742	5.11723	1.3032	1.5029	9.12E-01	3.97E+00	2.53E-01	1.11E-01	5.24E+00	8.98E-01	1.72E-04	2.77E-03	3.24E-03	9.04E-01	1.09E+00	3.97E+00	2.53E-01	1.11E-01	5.42E+00
4810	493863.09	3861377.25	4.95626	4.73338	1.2152	1.59294	8.11E-01	3.67E+00	2.36E-01	1.17E-01	4.84E+00	7.99E-01	1.59E-04	2.58E-03	3.43E-03	8.05E-01	9.70E-01	3.67E+00	2.36E-01	1.17E-01	4.99E+00
4811	494363.09	3861377.25	4.65576	4.19333	1.3122	1.66273	7.61E-01	3.25E+00	2.54E-01	1.22E-01	4.39E+00	7.50E-01	1.41E-04	2.79E-03	3.58E-03	7.57E-01	9.11E-01	3.25E+00	2.54E-01	1.22E-01	4.54E+00
4812	494863.09	3861377.25	4.89702	3.86477	1.5015	1.64434	8.01E-01	3.00E+00	2.91E-01	1.21E-01	4.21E+00	7.89E-01	1.30E-04	3.19E-03	3.54E-03	7.96E-01	9.58E-01	3.00E+00	2.91E-01	1.21E-01	4.37E+00
4813	495363.09	3861377.25	5.01689	3.60632	1.6927	1.67748	8.21E-01	2.80E+00	3.28E-01	1.24E-01	4.07E+00	8.08E-01	1.21E-04	3.60E-03	3.61E-03	8.16E-01	9.82E-01	2.80E+00	3.28E-01	1.24E-01	4.23E+00
4814	495863.09	3861377.25	4.90893	3.32486	1.6886	1.64472	8.03E-01	2.58E+00	3.27E-01	1.21E-01	3.83E+00	7.91E-01	1.12E-04	3.59E-03	3.54E-03	7.98E-01	9.61E-01	2.58E+00	3.27E-01	1.21E-01	3.99E+00
4815	496363.09	3861377.25	4.67249	3.10945	2.0656	1.66475	7.64E-01	2.41E+00	4.01E-01	1.23E-01	3.70E+00	7.53E-01	1.04E-04	4.39E-03	3.58E-03	7.61E-01	9.14E-01	2.41E+00	4.01E-01	1.23E-01	3.85E+00

4816	496863.09	3861377.25	4.43701	2.97299	2.3492	1.83184	7.26E-01	2.31E+00	4.56E-01	1.35E-01	3.62E+00	7.15E-01	9.99E-05	4.99E-03	3.94E-03	7.24E-01	8.68E-01	2.31E+00	4.56E-01	1.35E-01	3.76E+00
4817	497363.09	3861377.25	4.11665	2.80128	2.8083	1.82119	6.73E-01	2.17E+00	5.45E-01	1.34E-01	3.52E+00	6.63E-01	9.41E-05	5.97E-03	3.92E-03	6.73E-01	8.06E-01	2.17E+00	5.45E-01	1.34E-01	3.66E+00
4818	497863.09	3861377.25	3.95668	2.6249	3.0426	1.85726	6.47E-01	2.04E+00	5.90E-01	1.37E-01	3.41E+00	6.38E-01	8.82E-05	6.47E-03	4.00E-03	6.48E-01	7.74E-01	2.04E+00	5.90E-01	1.37E-01	3.54E+00
4819	498363.09	3861377.25	3.85714	2.46102	3.1947	1.80083	6.31E-01	1.91E+00	6.19E-01	1.33E-01	3.29E+00	6.22E-01	8.27E-05	6.79E-03	3.88E-03	6.32E-01	7.55E-01	1.91E+00	6.19E-01	1.33E-01	3.42E+00
4820	471363.09	3861877.25	2.18057	1.21619	0.5421	0.4588	3.57E-01	9.43E-01	1.05E-01	3.38E-02	1.44E+00	3.51E-01	4.09E-05	1.15E-03	9.88E-04	3.54E-01	4.27E-01	9.43E-01	1.05E-01	3.38E-02	1.51E+00
4821	471863.09	3861877.25	2.30582	1.20915	0.5509	0.5027	3.77E-01	9.38E-01	1.07E-01	3.70E-02	1.46E+00	3.72E-01	4.06E-05	1.17E-03	1.08E-03	3.74E-01	4.51E-01	9.38E-01	1.07E-01	3.70E-02	1.53E+00
4822	472363.09	3861877.25	2.35126	1.25528	0.5581	0.54102	3.85E-01	9.74E-01	1.08E-01	3.98E-02	1.51E+00	3.79E-01	4.22E-05	1.19E-03	1.16E-03	3.81E-01	4.60E-01	9.74E-01	1.08E-01	3.98E-02	1.58E+00
4823	472863.09	3861877.25	2.37615	1.2897	0.5727	0.60783	3.89E-01	1.00E+00	1.11E-01	4.48E-02	1.54E+00	3.83E-01	4.33E-05	1.22E-03	1.31E-03	3.85E-01	4.65E-01	1.00E+00	1.11E-01	4.48E-02	1.62E+00
4824	473363.09	3861877.25	2.43526	1.35241	0.6022	0.6438	3.98E-01	1.05E+00	1.17E-01	4.74E-02	1.61E+00	3.92E-01	4.54E-05	1.28E-03	1.39E-03	3.95E-01	4.77E-01	1.05E+00	1.17E-01	4.74E-02	1.69E+00
4825	473863.09	3861877.25	2.47979	1.35241	0.6431	0.67788	4.06E-01	1.05E+00	1.25E-01	4.99E-02	1.63E+00	4.00E-01	4.54E-05	1.37E-03	1.46E-03	4.02E-01	4.85E-01	1.05E+00	1.25E-01	4.99E-02	1.71E+00
4826	474363.09	3861877.25	2.50626	1.41648	0.7012	0.71387	4.10E-01	1.10E+00	1.36E-01	5.26E-02	1.70E+00	4.04E-01	4.76E-05	1.49E-03	1.54E-03	4.07E-01	4.90E-01	1.10E+00	1.36E-01	5.26E-02	1.78E+00
4827	474863.09	3861877.25	2.56433	1.39007	0.6845	0.71827	4.19E-01	1.08E+00	1.33E-01	5.29E-02	1.68E+00	4.13E-01	4.67E-05	1.46E-03	1.55E-03	4.16E-01	5.02E-01	1.08E+00	1.33E-01	5.29E-02	1.77E+00
4828	475363.09	3861877.25	2.55856	1.42383	0.7186	0.6968	4.18E-01	1.10E+00	1.39E-01	5.13E-02	1.71E+00	4.12E-01	4.78E-05	1.53E-03	1.50E-03	4.15E-01	5.01E-01	1.10E+00	1.39E-01	5.13E-02	1.80E+00
4829	475863.09	3861877.25	2.63048	1.47666	0.7741	0.69712	4.30E-01	1.15E+00	1.50E-01	5.13E-02	1.78E+00	4.24E-01	4.96E-05	1.65E-03	1.50E-03	4.27E-01	5.15E-01	1.15E+00	1.50E-01	5.13E-02	1.86E+00
4830	476363.09	3861877.25	2.59497	1.47934	0.8754	0.78713	4.24E-01	1.15E+00	1.70E-01	5.80E-02	1.80E+00	4.18E-01	4.97E-05	1.86E-03	1.69E-03	4.22E-01	5.08E-01	1.15E+00	1.70E-01	5.80E-02	1.88E+00
4831	476863.09	3861877.25	2.56301	1.36069	1.1482	0.83015	4.19E-01	1.06E+00	2.23E-01	6.11E-02	1.76E+00	4.13E-01	4.57E-05	2.44E-03	1.79E-03	4.17E-01	5.02E-01	1.06E+00	2.23E-01	6.11E-02	1.84E+00
4832	477363.09	3861877.25	2.57286	1.2307	1.1079	0.91403	4.21E-01	9.55E-01	2.15E-01	6.73E-02	1.66E+00	4.15E-01	4.13E-05	2.36E-03	1.97E-03	4.19E-01	5.03E-01	9.55E-01	2.15E-01	6.73E-02	1.74E+00
4833	477863.09	3861877.25	2.23537	0.63799	0.9993	0.83964	3.66E-01	4.95E-01	1.94E-01	6.18E-02	1.12E+00	3.60E-01	2.14E-05	2.12E-03	1.81E-03	3.64E-01	4.37E-01	4.95E-01	1.94E-01	6.18E-02	1.19E+00
4834	478363.09	3861877.25	0.85287	0.3158	0.9482	0.69598	1.39E-01	2.45E-01	1.84E-01	5.12E-02	6.20E-01	1.37E-01	1.06E-05	2.02E-03	1.50E-03	1.41E-01	1.67E-01	2.45E-01	1.84E-01	5.12E-02	6.47E-01
4835	478863.09	3861877.25	1.77735	0.46122	1.0456	0.80974	2.91E-01	3.58E-01	2.03E-01	5.96E-02	9.11E-01	2.86E-01	1.55E-05	2.22E-03	1.74E-03	2.90E-01	3.48E-01	3.58E-01	2.03E-01	5.96E-02	9.68E-01
4836	479363.09	3861877.25	1.55729	0.39324	0.9899	0.83853	2.55E-01	3.05E-01	1.92E-01	6.17E-02	8.13E-01	2.51E-01	1.32E-05	2.10E-03	1.81E-03	2.55E-01	3.05E-01	3.05E-01	1.92E-01	6.17E-02	8.63E-01
4837	479863.09	3861877.25	2.87452	1.48077	0.9646	0.99796	4.70E-01	1.15E+00	1.87E-01	7.35E-02	1.88E+00	4.63E-01	4.97E-05	2.05E-03	2.15E-03	4.67E-01	5.62E-01	1.15E+00	1.87E-01	7.35E-02	1.97E+00
4838	480363.09	3861877.25	2.94207	2.17034	0.7782	0.91547	4.81E-01	1.68E+00	1.51E-01	6.74E-02	2.38E+00	4.74E-01	7.29E-05	1.65E-03	1.97E-03	4.78E-01	5.76E-01	1.68E+00	1.51E-01	6.74E-02	2.48E+00
4839	480863.09	3861877.25	3.04902	2.35015	0.8775	0.86217	4.99E-01	1.82E+00	1.70E-01	6.35E-02	2.56E+00	4.91E-01	7.89E-05	1.87E-03	1.86E-03	4.95E-01	5.97E-01	1.82E+00	1.70E-01	6.35E-02	2.65E+00
4840	481363.09	3861877.25	3.19377	2.38286	0.7922	0.913	5.22E-01	1.85E+00	1.54E-01	6.72E-02	2.59E+00	5.15E-01	8.00E-05	1.68E-03	1.97E-03	5.18E-01	6.25E-01	1.85E+00	1.54E-01	6.72E-02	2.69E+00
4841	481863.09	3861877.25	3.3212	2.4385	0.7208	1.02473	5.43E-01	1.89E+00	1.40E-01	7.54E-02	2.65E+00	5.35E-01	8.19E-05	1.53E-03	2.21E-03	5.39E-01	6.50E-01	1.89E+00	1.40E-01	7.54E-02	2.76E+00
4842	482363.09	3861877.25	3.54524	2.62305	0.671	0.99814	5.80E-01	2.03E+00	1.30E-01	7.35E-02	2.82E+00	5.71E-01	8.81E-05	1.43E-03	2.15E-03	5.75E-01	6.94E-01	2.03E+00	1.30E-01	7.35E-02	2.93E+00
4843	482863.09	3861877.25	3.60285	2.75928	0.7109	1.0158	5.89E-01	2.14E+00	1.38E-01	7.48E-02	2.94E+00	5.81E-01	9.27E-05	1.51E-03	2.19E-03	5.84E-01	7.05E-01	2.14E+00	1.38E-01	7.48E-02	3.06E+00
4844	483363.09	3861877.25	3.8024	2.976	0.7198	1.08928	6.22E-01	2.31E+00	1.40E-01	8.02E-02	3.15E+00	6.13E-01	1.00E-04	1.53E-03	2.34E-03	6.17E-01	7.44E-01	2.31E+00	1.40E-01	8.02E-02	3.27E+00
4845	483863.09	3861877.25	4.15546	3.11807	0.6797	1.08009	6.80E-01	2.42E+00	1.32E-01	7.95E-02	3.31E+00	6.70E-01	1.05E-04	1.45E-03	2.33E-03	6.73E-01	8.13E-01	2.42E+00	1.32E-01	7.95E-02	3.44E+00
4846	484363.09	3861877.25	4.15817	3.28237	0.6225	1.17796	6.80E-01	2.55E+00	1.21E-01	8.67E-02	3.43E+00	6.70E-01	1.10E-04	1.32E-03	2.54E-03	6.74E-01	8.14E-01	2.55E+00	1.21E-01	8.67E-02	3.57E+00
4847	484863.09	3861877.25	4.29529	3.49252	0.643	0.99303	7.03E-01	2.71E+00	1.25E-01	7.31E-02	3.61E+00	6.92E-01	1.17E-04	1.37E-03	2.14E-03	6.96E-01	8.41E-01	2.71E+00	1.25E-01	7.31E-02	3.75E+00
4848	485363.09	3861877.25	4.24261	3.81798	0.697	0.77449	6.94E-01	2.96E+00	1.35E-01	5.70E-02	3.85E+00	6.84E-01	1.28E-04	1.48E-03	1.67E-03	6.87E-01	8.30E-01	2.96E+00	1.35E-01	5.70E-02	3.98E+00
4849	485863.09	3861877.25	4.36896	4.04017	0.8507	0.91062	7.15E-01	3.13E+00	1.65E-01	6.70E-02	4.08E+00	7.04E-01	1.36E-04	1.81E-03	1.96E-03	7.08E-01	8.55E-01	3.13E+00	1.65E-01	6.70E-02	4.22E+00
4850	486363.09	3861877.25	4.53816	4.65476	0.6194	0.88405	7.42E-01	3.61E+00	1.20E-01	6.51E-02	4.54E+00	7.31E-01	1.56E-04	1.32E-03	1.90E-03	7.35E-01	8.88E-01	3.61E+00	1.20E-01	6.51E-02	4.68E+00
4851	486863.09	3861877.25	4.92936	5.53179	0.5446	0.68483	8.06E-01	4.29E+00	1.06E-01	5.04E-02	5.25E+00	7.94E-01	1.86E-04	1.16E-03	1.47E-03	7.97E-01	9.65E-01	4.29E+00	1.06E-01	5.04E-02	5.41E+00
4852	487363.09	3861877.25	5.45811	6.04522	0.5032	0.63011	8.93E-01	4.69E+00	9.76E-02	4.64E-02	5.73E+00	8.79E-01	2.03E-04	1.07E-03	1.36E-03	8.82E-01	1.07E+00	4.69E+00	9.76E-02	4.64E-02	5.90E+00
4853	487863.09	3861877.25	6.04939	6.39789	0.5613	0.65665	9.89E-01	4.96E+00	1.09E-01	4.83E-02	6.11E+00	9.75E-01	2.15E-04	1.19E-03	1.41E-03	9.78E-01	1.18E+00	4.96E+00	1.09E-01	4.83E-02	6.30E+00
4854	488363.09	3861877.25	5.80676	7.31806	0.5673	0.56317	9.50E-01	5.68E+00	1.10E-01	4.15E-02	6.78E+00	9.36E-01	2.46E-04	1.21E-03	1.21E-03	9.38E-01	1.14E+00	5.68E+00	1.10E-01	4.15E-02	6.96E+00
4855	488863.09	3861877.25	6.45028	8.41818	0.5329	0.51741	1.06E+00	6.53E+00	1.03E-01	3.81E-02	7.73E+00	1.04E+00	2.83E-04	1.13E-03	1.11E-03	1.04E+00	1.26E+00	6.53E+00	1.03E-01	3.81E-02	7.93E+00
4856	489363.09	3861877.25	6.82725	9.73232	0.4861	0.54966	1.12E+00	7.55E+00	9.43E-02	4.05E-02	8.80E+00	1.10E+00	3.27E-04	1.03E-03	1.18E-03	1.10E+00	1.34E+00	7.55E+00	9.43E-02	4.05E-02	9.02E+00
4857	489863.09	3861877.25	6.84495	10.214	0.535	0.79502	1.12E+00	7.92E+00	1.04E-01	5.85E-02	9.20E+00	1.10E+00	3.43E-04	1.14E-03	1.71E-03	1.11E+00	1.34E+00	7.92E+00	1.04E-01	5.85E-02	9.43E+00
4858	490363.09	3861877.25	6.47742	9.87	0.6015	0.8959	1.06E+00	7.66E+00	1.17E-01	6.60E-02	8.90E+00	1.04E+00	3.32E-04	1.28E-03	1.93E-03	1.05E+00	1.27E+00	7.66E+00	1.17E-01	6.60E-02	9.11E+00
4859	490863.09	3861877.25	6.53624	8.87149	0.5686	0.76004	1.07E+00	6.88E+00	1.10E-01	5.60E-02	8.12E+00	1.05E+00	2.98E-04	1.21E-03	1.64E-03	1.06E+00	1.28E+00	6.88E+00	1.10E-01	5.60E-02	8.33E+00
4860	491363.09	3861877.25	6.06149	7.93433	0.6674	0.74824	9.91E-01	6.15E+00	1.29E-01	5.51E-02	7.33E+00	9.77E-01	2.67E-04	1.42E-03	1.61E-03	9.80E-01	1.19E+00	6.16E+00	1.29E-01	5.51E-02	7.53E+00
4861	491863.09	3861877.25	6.54273	7.25061	0.7411	0.88345	1.07E+00	5.62E+00	1.44E-01	6.50E-02	6.90E+00	1.05E+00	2.44E-04	1.58E-03	1.90E-03	1.06E+00	1.28E+00	5.62E+00	1.44E-01	6.50E-02	7.11E+00
4862	492363.09	3861877.25	6.37389	6.42631	0.9719	1.05909	1.04E+00	4.98E+00	1.88E-01	7.80E-02	6.29E+00	1.03E+00	2.16E-04	2.07E-03	2.28E-03	1.03E+00	1.25E+00	4.99E+00	1.88E-01	7.80E-02	6.50E+00
4863	492863.09	3861877.25	4.96214	5.93771	1.1534	1.13161	8.12E-01	4.61E+00	2.24E-01	8.33E-02	5.72E+00	8.00E-01	1.99E-04	2.45E-03	2.44E-03	8.05E-01	9.71E-01	4.61E+00	2.24E-01	8.33E-02	5.88E+00
4864	493363.09	3861877.25	4.50207	5.46781	1.1425	1.10763	7.36E-01	4.24E+00	2.22E-01	8.15E-02	5.28E+00	7.25E-01	1.84E-04	2.43E-03	2.38E-03	7.30E-01	8.81E-01	4.24E+00	2.22E-01	8.15E-02	5.43E+00
4865	493863.09	3861877.25	4.86831	4.90562	1.0348	1.15278	7.96E-01	3.81E+00	2.01E-01	8.49E-02	4.89E+00	7.84E-01	1.65E-04	2.20E-03	2.48E-03	7.89E-01	9.53E-01	3.81E+00	2.01E-01	8.49E-02	5.04E+00
4866	494363.09	3861877.25	4.50336	4.36509	1.0112	1.07121	7.37E-01	3.39E+00	1.96E-01	7.89E-02	4.40E+00	7.26E-01	1.47E-04	2.15E-03	2.31E-03	7.30E-01	8.81E-01	3.39E+00	1.96E-01	7.89E-02	4.54E+00
4867	494863.09	3861877.25	4.29372	4.18142	0.962	1.22121	7.02E-01	3.24E+00	1.87E-01	8.99E-02	4.22E+00	6.92E-01	1.40E-04	2.05E-03	2.63E-03	6.97E-01	8.40E-01	3.24E+00	1.87E-01	8.99E-02	4.36E+00
4868	495363.09	3861877.25	4.16914	3.77324	1.0417	1.2775	6.82E-01	2.93E+00	2.02E-01	9.41E-02	3.90E+00	6.72E-01	1.27E-04	2.21E-03	2.75E-03	6.77E-01	8.16E-01	2.93E+00	2.02E-01	9.41E-02	4.04E+00
4869	495863.09	3861877.25	4.41755	3.46158	1.1951	1.34543	7.23E-01	2.69E+00	2.32E-01	9.91E-02	3.74E+00	7.12E-01	1.16E-04	2.54E-03	2.90E-03	7.17E-01	8.64E-01	2.69E+00	2.32E-01	9.91E-02	3.88E+00
4870	496363.09	3861877.25	4.34235	3.16397	1.3465	1.45183	7.10E-01	2.45E+00	2.61E-01	1.07E-01	3.53E+00	7.00E-01	1.06E-04	2.86E-03	3.13E-03	7.06E-01	8.50E-01	2.45E+00	2.61E-01	1.07E-01	3.67E+00
4871	496863.09	3861877.25	4.7007	3.1902	1.3978	1.57421	7.69E-01	2.47E+00	2.71E-01	1.16E-01	3.63E+00	7.57E-01	1.07E-04	2.97E-03	3.39E-03	7.64E-01	9.20E-01	2.47E+00	2.71E-01	1.16E-01	3.78E+00
4872	497363.09	3861877.25	4.18867	2.96372	1.5305	1.51162	6.85E-01	2.30E+00	2.97E-01	1.11E-01	3.39E+00	6.75E-01	9.96E-05	3.25E-03	3.25E-03	6.82E-01	8.20E-01	2.30E+00	2.97E-01	1.11E-01	3.53E+00
4873	497863.09	3861877.25	3.88176	2.70986	1.7452	1.38731	6.35E-01	2.10E+00	3.38E-01	1.02E-01	3.18E+00	6.25E-01	9.10E-05	3.71E-03	2.99E-03	6.32E-01	7.60E-01	2.10E+00	3.38E-01	1.02E-01	3.30E+00
4874	498363.09	3861877.25	3.44993	2.56229	2.1728	1.40035	5.64E-01	1.99E+00	4.21E-01	1.03E-01	3.08E+00	5.56E-01	8.61E-05	4.62E-03	3.01E-03	5.64E-01	6.75E-01	1.99E+00	4.21E-01	1.03E-01	3.19E+00
4875	471363.09	3862377.25	2.20836	1.19692	0.5358	0.55237	3.61E-01	9.28E-01	1.04E-01	4.07E-02	1.43E+00	3.56E-01	4.02E-05	1.14E-03	1.19E-03	3.58E-01	4.32E-01	9.29E-01	1.04E-01	4.07E-02	1.51E+00
4876	471863.09	3862377.25	2.22206	1.20038	0.5633	0.57274	3.63E-01	9.31E-01	1.09E-01	4.22E-02	1.45E+00	3.58E-01	4.03E-05	1.20E-03	1.23E-03	3.61E-01	4.35E-01	9.31E-01	1.09E-01	4.22E-02	1.52E+00

4877	472363.09	3862377.25	2.26754	1.26209	0.5863	0.58404	3.71E-01	9.79E-01	1.14E-01	4.30E-02	1.51E+00	3.65E-01	4.24E-05	1.25E-03	1.26E-03	3.68E-01	4.44E-01	9.79E-01	1.14E-01	4.30E-02	1.58E+00
4878	472863.09	3862377.25	2.31856	1.29557	0.6329	0.60826	3.79E-01	1.00E+00	1.23E-01	4.48E-02	1.55E+00	3.74E-01	4.35E-05	1.35E-03	1.31E-03	3.76E-01	4.54E-01	1.01E+00	1.23E-01	4.48E-02	1.63E+00
4879	473363.09	3862377.25	2.31211	1.30329	0.6051	0.64771	3.78E-01	1.01E+00	1.17E-01	4.77E-02	1.55E+00	3.73E-01	4.38E-05	1.29E-03	1.39E-03	3.75E-01	4.52E-01	1.01E+00	1.17E-01	4.77E-02	1.63E+00
4880	473863.09	3862377.25	2.35231	1.3219	0.6361	0.70572	3.85E-01	1.03E+00	1.23E-01	5.20E-02	1.59E+00	3.79E-01	4.44E-05	1.35E-03	1.52E-03	3.82E-01	4.60E-01	1.03E+00	1.23E-01	5.20E-02	1.66E+00
4881	474363.09	3862377.25	2.35629	1.34429	0.6786	0.67425	3.85E-01	1.04E+00	1.32E-01	4.96E-02	1.61E+00	3.80E-01	4.52E-05	1.44E-03	1.45E-03	3.83E-01	4.61E-01	1.04E+00	1.32E-01	4.96E-02	1.69E+00
4882	474863.09	3862377.25	2.41425	1.27524	0.7495	0.72006	3.95E-01	9.89E-01	1.45E-01	5.30E-02	1.58E+00	3.89E-01	4.28E-05	1.59E-03	1.55E-03	3.92E-01	4.72E-01	9.89E-01	1.45E-01	5.30E-02	1.66E+00
4883	475363.09	3862377.25	2.36911	1.32878	0.9833	0.78182	3.87E-01	1.03E+00	1.91E-01	5.76E-02	1.67E+00	3.82E-01	4.46E-05	2.09E-03	1.68E-03	3.86E-01	4.64E-01	1.03E+00	1.91E-01	5.76E-02	1.74E+00
4884	475863.09	3862377.25	2.29686	1.44753	1.0762	0.82344	3.76E-01	1.12E+00	2.09E-01	6.06E-02	1.77E+00	3.70E-01	4.86E-05	2.29E-03	1.77E-03	3.74E-01	4.49E-01	1.12E+00	2.09E-01	6.06E-02	1.84E+00
4885	476363.09	3862377.25	2.27743	1.51457	0.9722	0.81331	3.72E-01	1.17E+00	1.89E-01	5.99E-02	1.80E+00	3.67E-01	5.09E-05	2.07E-03	1.75E-03	3.71E-01	4.46E-01	1.17E+00	1.89E-01	5.99E-02	1.87E+00
4886	476863.09	3862377.25	2.22952	1.53697	0.8602	0.85531	3.65E-01	1.19E+00	1.67E-01	6.30E-02	1.79E+00	3.59E-01	5.16E-05	1.83E-03	1.84E-03	3.63E-01	4.36E-01	1.19E+00	1.67E-01	6.30E-02	1.86E+00
4887	477363.09	3862377.25	2.28307	1.44047	0.886	0.86857	3.73E-01	1.12E+00	1.72E-01	6.39E-02	1.73E+00	3.68E-01	4.84E-05	1.88E-03	1.87E-03	3.72E-01	4.47E-01	1.12E+00	1.72E-01	6.39E-02	1.80E+00
4888	477863.09	3862377.25	2.30076	0.84696	0.867	0.86127	3.76E-01	6.57E-01	1.68E-01	6.34E-02	1.26E+00	3.71E-01	2.85E-05	1.84E-03	1.85E-03	3.74E-01	4.50E-01	6.57E-01	1.68E-01	6.34E-02	1.34E+00
4889	478363.09	3862377.25	1.93243	0.50412	0.8609	0.92075	3.16E-01	3.91E-01	1.67E-01	6.78E-02	9.42E-01	3.11E-01	1.69E-05	1.83E-03	1.98E-03	3.15E-01	3.78E-01	3.91E-01	1.67E-01	6.78E-02	1.00E+00
4890	478863.09	3862377.25	2.08732	0.5173	0.7793	0.97538	3.41E-01	4.01E-01	1.51E-01	7.18E-02	9.66E-01	3.36E-01	1.74E-05	1.66E-03	2.10E-03	3.40E-01	4.08E-01	4.01E-01	1.51E-01	7.18E-02	1.03E+00
4891	479363.09	3862377.25	2.38814	0.6641	0.6642	0.98259	3.91E-01	5.15E-01	1.29E-01	7.23E-02	1.11E+00	3.85E-01	2.23E-05	1.41E-03	2.12E-03	3.88E-01	4.67E-01	5.15E-01	1.29E-01	7.23E-02	1.18E+00
4892	479863.09	3862377.25	2.73142	1.63041	0.7224	1.02024	4.47E-01	1.26E+00	1.40E-01	7.51E-02	1.93E+00	4.40E-01	5.48E-05	1.54E-03	2.20E-03	4.44E-01	5.34E-01	1.26E+00	1.40E-01	7.51E-02	2.01E+00
4893	480363.09	3862377.25	2.81015	2.08548	0.7144	0.948	4.60E-01	1.62E+00	1.39E-01	6.98E-02	2.29E+00	4.53E-01	7.01E-05	1.52E-03	2.04E-03	4.56E-01	5.50E-01	1.62E+00	1.39E-01	6.98E-02	2.38E+00
4894	480863.09	3862377.25	2.88095	2.20975	0.6367	0.96061	4.71E-01	1.71E+00	1.23E-01	7.07E-02	2.38E+00	4.64E-01	7.42E-05	1.35E-03	2.07E-03	4.68E-01	5.64E-01	1.71E+00	1.23E-01	7.07E-02	2.47E+00
4895	481363.09	3862377.25	3.03845	2.28283	0.6325	0.92365	4.97E-01	1.77E+00	1.23E-01	6.80E-02	2.46E+00	4.90E-01	7.67E-05	1.34E-03	1.99E-03	4.93E-01	5.95E-01	1.77E+00	1.23E-01	6.80E-02	2.56E+00
4896	481863.09	3862377.25	3.20695	2.39971	0.5875	0.88106	5.25E-01	1.86E+00	1.14E-01	6.49E-02	2.56E+00	5.17E-01	8.06E-05	1.25E-03	1.90E-03	5.20E-01	6.28E-01	1.86E+00	1.14E-01	6.49E-02	2.67E+00
4897	482363.09	3862377.25	3.30843	2.47517	0.6001	0.82531	5.41E-01	1.92E+00	1.16E-01	6.08E-02	2.64E+00	5.33E-01	8.31E-05	1.28E-03	1.78E-03	5.36E-01	6.47E-01	1.92E+00	1.16E-01	6.08E-02	2.74E+00
4898	482863.09	3862377.25	3.36968	2.5939	0.5807	0.89772	5.51E-01	2.01E+00	1.13E-01	6.61E-02	2.74E+00	5.43E-01	8.71E-05	1.23E-03	1.93E-03	5.46E-01	6.59E-01	2.01E+00	1.13E-01	6.61E-02	2.85E+00
4899	483363.09	3862377.25	3.50689	2.69393	0.6462	0.90323	5.74E-01	2.09E+00	1.25E-01	6.65E-02	2.86E+00	5.65E-01	9.05E-05	1.37E-03	1.94E-03	5.68E-01	6.86E-01	2.09E+00	1.25E-01	6.65E-02	2.97E+00
4900	483863.09	3862377.25	3.86345	2.81242	0.5397	1.02854	6.32E-01	2.18E+00	1.05E-01	7.57E-02	2.99E+00	6.23E-01	9.45E-05	1.15E-03	2.21E-03	6.26E-01	7.56E-01	2.18E+00	1.05E-01	7.57E-02	3.12E+00
4901	484363.09	3862377.25	3.95113	2.86906	0.5269	0.96877	6.46E-01	2.23E+00	1.02E-01	7.13E-02	3.05E+00	6.37E-01	9.64E-05	1.12E-03	2.09E-03	6.40E-01	7.73E-01	2.23E+00	1.02E-01	7.13E-02	3.17E+00
4902	484863.09	3862377.25	3.93406	3.20139	0.5621	0.78272	6.43E-01	2.48E+00	1.09E-01	5.76E-02	3.29E+00	6.34E-01	1.08E-04	1.20E-03	1.69E-03	6.37E-01	7.70E-01	2.48E+00	1.09E-01	5.76E-02	3.42E+00
4903	485363.09	3862377.25	3.93151	3.30407	0.7496	0.68196	6.43E-01	2.56E+00	1.45E-01	5.02E-02	3.40E+00	6.33E-01	1.11E-04	1.59E-03	1.47E-03	6.37E-01	7.69E-01	2.56E+00	1.45E-01	5.02E-02	3.53E+00
4904	485863.09	3862377.25	4.03601	3.77458	0.562	0.63006	6.60E-01	2.93E+00	1.09E-01	4.64E-02	3.74E+00	6.50E-01	1.27E-04	1.19E-03	1.36E-03	6.53E-01	7.90E-01	2.93E+00	1.09E-01	4.64E-02	3.87E+00
4905	486363.09	3862377.25	4.16824	4.09951	0.5563	0.54784	6.82E-01	3.18E+00	1.08E-01	4.03E-02	4.01E+00	6.72E-01	1.38E-04	1.18E-03	1.18E-03	6.74E-01	8.16E-01	3.18E+00	1.08E-01	4.03E-02	4.14E+00
4906	486863.09	3862377.25	4.53139	4.81194	0.4893	0.57916	7.41E-01	3.73E+00	9.49E-02	4.26E-02	4.61E+00	7.30E-01	1.62E-04	1.04E-03	1.25E-03	7.33E-01	8.87E-01	3.73E+00	9.49E-02	4.26E-02	4.76E+00
4907	487363.09	3862377.25	4.91008	5.32493	0.4471	0.51831	8.03E-01	4.13E+00	8.67E-02	3.82E-02	5.06E+00	7.91E-01	1.79E-04	9.51E-04	1.12E-03	7.93E-01	9.61E-01	4.13E+00	8.67E-02	3.82E-02	5.22E+00
4908	487863.09	3862377.25	5.47407	5.21515	0.5063	0.50853	8.95E-01	4.05E+00	9.82E-02	3.74E-02	5.08E+00	8.82E-01	1.75E-04	1.08E-03	1.09E-03	8.84E-01	1.07E+00	4.05E+00	9.82E-02	3.74E-02	5.25E+00
4909	488363.09	3862377.25	5.40338	5.62254	0.5067	0.4576	8.84E-01	4.36E+00	9.83E-02	3.37E-02	5.38E+00	8.71E-01	1.89E-04	1.08E-03	9.85E-04	8.73E-01	1.06E+00	4.36E+00	9.83E-02	3.37E-02	5.55E+00
4910	488863.09	3862377.25	5.54162	6.41945	0.4941	0.41862	9.06E-01	4.98E+00	9.58E-02	3.08E-02	6.01E+00	8.93E-01	2.16E-04	1.05E-03	9.01E-04	8.95E-01	1.08E+00	4.98E+00	9.58E-02	3.08E-02	6.19E+00
4911	489363.09	3862377.25	5.94323	7.418	0.4471	0.43186	9.72E-01	5.75E+00	8.67E-02	3.18E-02	6.84E+00	9.58E-01	2.49E-04	9.51E-04	9.30E-04	9.60E-01	1.16E+00	5.75E+00	8.67E-02	3.18E-02	7.04E+00
4912	489863.09	3862377.25	6.17326	8.26073	0.4542	0.49209	1.01E+00	6.41E+00	8.81E-02	3.62E-02	7.54E+00	9.95E-01	2.77E-04	9.66E-04	1.06E-03	9.97E-01	1.21E+00	6.41E+00	8.81E-02	3.62E-02	7.74E+00
4913	490363.09	3862377.25	5.7015	8.64915	0.5448	0.65625	9.33E-01	6.71E+00	1.06E-01	4.83E-02	7.80E+00	9.19E-01	2.91E-04	1.16E-03	1.41E-03	9.22E-01	1.12E+00	6.71E+00	1.06E-01	4.83E-02	7.98E+00
4914	490863.09	3862377.25	5.93673	8.64571	0.4733	0.70103	9.71E-01	6.71E+00	9.18E-02	5.16E-02	7.82E+00	9.57E-01	2.90E-04	1.01E-03	1.51E-03	9.59E-01	1.16E+00	6.71E+00	9.18E-02	5.16E-02	8.01E+00
4915	491363.09	3862377.25	5.74084	7.91298	0.5054	0.61522	9.39E-01	6.14E+00	9.80E-02	4.53E-02	7.22E+00	9.25E-01	2.66E-04	1.07E-03	1.32E-03	9.28E-01	1.12E+00	6.14E+00	9.80E-02	4.53E-02	7.41E+00
4916	491863.09	3862377.25	5.41316	6.83921	0.5963	0.62377	8.85E-01	5.31E+00	1.16E-01	4.59E-02	6.35E+00	8.72E-01	2.30E-04	1.27E-03	1.34E-03	8.75E-01	1.06E+00	5.31E+00	1.16E-01	4.59E-02	6.53E+00
4917	492363.09	3862377.25	5.89217	6.2502	0.6157	0.55106	9.64E-01	4.85E+00	1.19E-01	4.06E-02	5.97E+00	9.49E-01	2.10E-04	1.31E-03	1.19E-03	9.52E-01	1.15E+00	4.85E+00	1.19E-01	4.06E-02	6.16E+00
4918	492863.09	3862377.25	5.61704	5.97019	0.7664	0.72424	9.19E-01	4.63E+00	1.49E-01	5.33E-02	5.75E+00	9.05E-01	2.01E-04	1.63E-03	1.56E-03	9.08E-01	1.10E+00	4.63E+00	1.49E-01	5.33E-02	5.93E+00
4919	493363.09	3862377.25	4.61901	5.33323	0.9942	0.79122	7.55E-01	4.14E+00	1.93E-01	5.83E-02	5.14E+00	7.44E-01	1.79E-04	2.11E-03	1.70E-03	7.48E-01	9.04E-01	4.14E+00	1.93E-01	5.83E-02	5.29E+00
4920	493863.09	3862377.25	4.34844	5.0375	1.0364	0.92308	7.11E-01	3.91E+00	2.01E-01	6.80E-02	4.89E+00	7.01E-01	1.69E-04	2.20E-03	1.99E-03	7.05E-01	8.51E-01	3.91E+00	2.01E-01	6.80E-02	5.03E+00
4921	494363.09	3862377.25	4.03061	4.79724	0.9645	0.89305	6.59E-01	3.72E+00	1.87E-01	6.58E-02	4.63E+00	6.49E-01	1.61E-04	2.05E-03	1.92E-03	6.54E-01	7.89E-01	3.72E+00	1.87E-01	6.58E-02	4.76E+00
4922	494863.09	3862377.25	4.24245	4.30013	0.8382	0.94774	6.94E-01	3.34E+00	1.63E-01	6.98E-02	4.26E+00	6.84E-01	1.44E-04	1.78E-03	2.04E-03	6.88E-01	8.30E-01	3.34E+00	1.63E-01	6.98E-02	4.40E+00
4923	495363.09	3862377.25	3.78638	3.82884	0.8203	0.92663	6.19E-01	2.97E+00	1.59E-01	6.82E-02	3.82E+00	6.10E-01	1.29E-04	1.74E-03	1.99E-03	6.14E-01	7.41E-01	2.97E+00	1.59E-01	6.82E-02	3.94E+00
4924	495863.09	3862377.25	3.67761	3.66465	0.7945	1.00299	6.02E-01	2.84E+00	1.54E-01	7.38E-02	3.67E+00	5.93E-01	1.23E-04	1.69E-03	2.16E-03	5.97E-01	7.20E-01	2.84E+00	1.54E-01	7.38E-02	3.79E+00
4925	496363.09	3862377.25	3.75211	3.40227	0.8922	1.01752	6.14E-01	2.64E+00	1.73E-01	7.49E-02	3.50E+00	6.05E-01	1.14E-04	1.90E-03	2.19E-03	6.09E-01	7.34E-01	2.64E+00	1.73E-01	7.49E-02	3.62E+00
4926	496863.09	3862377.25	3.97089	3.2026	0.9918	0.98833	6.49E-01	2.48E+00	1.92E-01	7.28E-02	3.40E+00	6.40E-01	1.08E-04	2.11E-03	2.13E-03	6.44E-01	7.77E-01	2.48E+00	1.92E-01	7.28E-02	3.53E+00
4927	497363.09	3862377.25	3.85797	2.93596	1.1016	1.01873	6.31E-01	2.28E+00	2.14E-01	7.50E-02	3.20E+00	6.22E-01	9.86E-05	2.34E-03	2.19E-03	6.26E-01	7.55E-01	2.28E+00	2.14E-01	7.50E-02	3.32E+00
4928	497863.09	3862377.25	3.7792	2.69894	1.0985	1.11369	6.18E-01	2.09E+00	2.13E-01	8.20E-02	3.01E+00	6.09E-01	9.07E-05	2.34E-03	2.40E-03	6.14E-01	7.40E-01	2.09E+00	2.13E-01	8.20E-02	3.13E+00
4929	498363.09	3862377.25	3.53978	2.59068	1.2479	1.18676	5.79E-01	2.01E+00	2.42E-01	8.74E-02	2.92E+00	5.70E-01	8.70E-05	2.65E-03	2.55E-03	5.76E-01	6.93E-01	2.01E+00	2.42E-01	8.74E-02	3.03E+00
4930	471363.09	3862877.25	2.10976	1.16187	0.5263	0.54498	3.45E-01	9.01E-01	1.02E-01	4.01E-02	1.39E+00	3.40E-01	3.90E-05	1.12E-03	1.17E-03	3.42E-01	4.13E-01	9.01E-01	1.02E-01	4.01E-02	1.46E+00
4931	471863.09	3862877.25	2.17317	1.20344	0.5409	0.57681	3.55E-01	9.34E-01	1.05E-01	4.25E-02	1.44E+00	3.50E-01	4.04E-05	1.15E-03	1.24E-03	3.53E-01	4.25E-01	9.34E-01	1.05E-01	4.25E-02	1.51E+00
4932	472363.09	3862877.25	2.13667	1.24411	0.5649	0.6178	3.49E-01	9.65E-01	1.10E-01	4.55E-02	1.47E+00	3.44E-01	4.18E-05	1.20E-03	1.33E-03	3.47E-01	4.18E-01	9.65E-01	1.10E-01	4.55E-02	1.54E+00
4933	472863.09	3862877.25	2.18664	1.24179	0.6015	0.67548	3.58E-01	9.63E-01	1.17E-01	4.97E-02	1.49E+00	3.52E-01	4.17E-05	1.28E-03	1.45E-03	3.55E-01	4.28E-01	9.63E-01	1.17E-01	4.97E-02	1.56E+00
4934	473363.09	3862877.25	2.21406	1.25172	0.6552	0.69611	3.62E-01	9.71E-01	1.27E-01	5.13E-02	1.51E+00	3.57E-01	4.20E-05	1.39E-03	1.50E-03	3.60E-01	4.33E-01	9.71E-01	1.27E-01	5.13E-02	1.58E+00
4935	473863.09	3862877.25	2.24474	1.2785	0.8463	0.75714	3.67E-01	9.92E-01	1.64E-01	5.57E-02	1.58E+00	3.62E-01	4.29E-05	1.80E-03	1.63E-03	3.65E-01	4.39E-01	9.92E-01	1.64E-01	5.57E-02	1.65E+00
4936	474363.09	3862877.25	2.18856	1.26326	0.9435	0.74825	3.58E-01	9.80E-01	1.83E-01	5.51E-02	1.58E+00	3.53E-01	4.24E-05	2.01E-03	1.61E-03	3.56E-01	4.28E-01	9.80E-01	1.83E-01	5.51E-02	1.65E+00
4937	474863.09	3862877.25	2.10069	1.35514	0.9014	0.81341	3.44E-01	1.05E+00	1.75E-01	5.99E-02	1.63E+00	3.38E-01	4.55E-05	1.92E-03	1.75E-03	3.42E-01	4.11E-01	1.05E+00	1.75E-01	5.99E-02	1.70E+00

4938	475363.09	3862877.25	2.07578	1.47942	0.7537	0.83004	3.40E-01	1.15E+00	1.46E-01	6.11E-02	1.69E+00	3.34E-01	4.97E-05	1.60E-03	1.79E-03	3.38E-01	4.06E-01	1.15E+00	1.46E-01	6.11E-02	1.76E+00
4939	475863.09	3862877.25	2.05282	1.53986	0.7429	0.84112	3.36E-01	1.19E+00	1.44E-01	6.19E-02	1.74E+00	3.31E-01	5.17E-05	1.58E-03	1.81E-03	3.34E-01	4.02E-01	1.19E+00	1.44E-01	6.19E-02	1.80E+00
4940	476363.09	3862877.25	2.03178	1.52995	0.8176	0.78297	3.32E-01	1.19E+00	1.59E-01	5.76E-02	1.74E+00	3.27E-01	5.14E-05	1.74E-03	1.69E-03	3.31E-01	3.98E-01	1.19E+00	1.59E-01	5.76E-02	1.80E+00
4941	476863.09	3862877.25	2.16316	1.5336	0.7888	0.83018	3.54E-01	1.19E+00	1.53E-01	6.11E-02	1.76E+00	3.49E-01	5.15E-05	1.68E-03	1.79E-03	3.52E-01	4.23E-01	1.19E+00	1.53E-01	6.11E-02	1.83E+00
4942	477363.09	3862877.25	2.23401	1.56615	0.6918	0.86592	3.65E-01	1.21E+00	1.34E-01	6.38E-02	1.78E+00	3.60E-01	5.26E-05	1.47E-03	1.86E-03	3.63E-01	4.37E-01	1.21E+00	1.34E-01	6.38E-02	1.85E+00
4943	477863.09	3862877.25	2.31764	1.28299	0.6783	0.9105	3.79E-01	9.95E-01	1.32E-01	6.70E-02	1.57E+00	3.73E-01	4.31E-05	1.44E-03	1.96E-03	3.77E-01	4.54E-01	9.95E-01	1.32E-01	6.70E-02	1.65E+00
4944	478363.09	3862877.25	2.23001	0.7142	0.5983	0.90348	3.65E-01	5.54E-01	1.16E-01	6.65E-02	1.10E+00	3.59E-01	2.40E-05	1.27E-03	1.94E-03	3.63E-01	4.36E-01	5.54E-01	1.16E-01	6.65E-02	1.17E+00
4945	478863.09	3862877.25	2.32871	0.69732	0.6168	0.8984	3.81E-01	5.41E-01	1.20E-01	6.61E-02	1.11E+00	3.75E-01	2.34E-05	1.31E-03	1.93E-03	3.78E-01	4.56E-01	5.41E-01	1.20E-01	6.61E-02	1.18E+00
4946	479363.09	3862877.25	2.38717	0.77336	0.6192	0.86743	3.90E-01	6.00E-01	1.20E-01	6.39E-02	1.17E+00	3.85E-01	2.60E-05	1.32E-03	1.87E-03	3.88E-01	4.67E-01	6.00E-01	1.20E-01	6.39E-02	1.25E+00
4947	479863.09	3862877.25	2.58325	1.87542	0.5619	0.88815	4.23E-01	1.45E+00	1.09E-01	6.54E-02	2.05E+00	4.16E-01	6.30E-05	1.19E-03	1.91E-03	4.19E-01	5.05E-01	1.45E+00	1.09E-01	6.54E-02	2.13E+00
4948	480363.09	3862877.25	2.64428	2.01253	0.5459	0.81748	4.32E-01	1.56E+00	1.06E-01	6.02E-02	2.16E+00	4.26E-01	6.76E-05	1.16E-03	1.76E-03	4.29E-01	5.17E-01	1.56E+00	1.06E-01	6.02E-02	2.24E+00
4949	480863.09	3862877.25	2.74243	2.10933	0.527	0.83336	4.49E-01	1.64E+00	1.02E-01	6.14E-02	2.25E+00	4.42E-01	7.09E-05	1.12E-03	1.79E-03	4.45E-01	5.37E-01	1.64E+00	1.02E-01	6.14E-02	2.34E+00
4950	481363.09	3862877.25	2.87965	2.15577	0.5496	0.76776	4.71E-01	1.67E+00	1.07E-01	5.65E-02	2.31E+00	4.64E-01	7.24E-05	1.17E-03	1.65E-03	4.67E-01	5.63E-01	1.67E+00	1.07E-01	5.65E-02	2.40E+00
4951	481863.09	3862877.25	3.10356	2.20986	0.5104	0.81842	5.08E-01	1.71E+00	9.90E-02	6.03E-02	2.38E+00	5.00E-01	7.42E-05	1.09E-03	1.76E-03	5.03E-01	6.07E-01	1.71E+00	9.90E-02	6.03E-02	2.48E+00
4952	482363.09	3862877.25	3.07739	2.29186	0.4955	0.69306	5.03E-01	1.78E+00	9.61E-02	5.10E-02	2.43E+00	4.96E-01	7.70E-05	1.05E-03	1.49E-03	4.98E-01	6.02E-01	1.78E+00	9.61E-02	5.10E-02	2.53E+00
4953	482863.09	3862877.25	3.19931	2.36172	0.5665	0.76547	5.23E-01	1.83E+00	1.10E-01	5.64E-02	2.52E+00	5.16E-01	7.93E-05	1.20E-03	1.65E-03	5.18E-01	6.26E-01	1.83E+00	1.10E-01	5.64E-02	2.62E+00
4954	483363.09	3862877.25	3.37309	2.44635	0.4797	0.92193	5.52E-01	1.90E+00	9.30E-02	6.79E-02	2.61E+00	5.44E-01	8.22E-05	1.02E-03	1.98E-03	5.47E-01	6.60E-01	1.90E+00	9.30E-02	6.79E-02	2.72E+00
4955	483863.09	3862877.25	3.56262	2.43683	0.4618	0.81536	5.83E-01	1.89E+00	8.95E-02	6.00E-02	2.62E+00	5.74E-01	8.19E-05	9.82E-04	1.76E-03	5.77E-01	6.97E-01	1.89E+00	8.95E-02	6.00E-02	2.74E+00
4956	484363.09	3862877.25	3.70375	2.65458	0.537	0.72611	6.06E-01	2.06E+00	1.04E-01	5.35E-02	2.82E+00	5.97E-01	8.92E-05	1.14E-03	1.56E-03	6.00E-01	7.25E-01	2.06E+00	1.04E-01	5.35E-02	2.94E+00
4957	484863.09	3862877.25	3.63736	2.85928	0.5981	0.63875	5.95E-01	2.22E+00	1.16E-01	4.70E-02	2.98E+00	5.86E-01	9.60E-05	1.27E-03	1.38E-03	5.89E-01	7.12E-01	2.22E+00	1.16E-01	4.70E-02	3.09E+00
4958	485363.09	3862877.25	3.61438	3.13705	0.6176	0.51623	5.91E-01	2.43E+00	1.20E-01	3.80E-02	3.18E+00	5.82E-01	1.05E-04	1.31E-03	1.11E-03	5.85E-01	7.07E-01	2.43E+00	1.20E-01	3.80E-02	3.30E+00
4959	485863.09	3862877.25	3.76938	3.39156	0.5169	0.46586	6.17E-01	2.63E+00	1.00E-01	3.43E-02	3.38E+00	6.07E-01	1.14E-04	1.10E-03	1.00E-03	6.10E-01	7.38E-01	2.63E+00	1.00E-01	3.43E-02	3.50E+00
4960	486363.09	3862877.25	3.86337	3.96078	0.4539	0.53159	6.32E-01	3.07E+00	8.80E-02	3.91E-02	3.83E+00	6.23E-01	1.33E-04	9.65E-04	1.14E-03	6.25E-01	7.56E-01	3.07E+00	8.80E-02	3.91E-02	3.96E+00
4961	486863.09	3862877.25	4.13557	4.20839	0.4168	0.41143	6.76E-01	3.26E+00	8.08E-02	3.03E-02	4.05E+00	6.66E-01	1.41E-04	8.86E-04	8.86E-04	6.68E-01	8.09E-01	3.26E+00	8.08E-02	3.03E-02	4.18E+00
4962	487363.09	3862877.25	4.44694	4.50252	0.4279	0.40368	7.27E-01	3.49E+00	8.30E-02	2.97E-02	4.33E+00	7.17E-01	1.51E-04	9.10E-04	8.69E-04	7.18E-01	8.70E-01	3.49E+00	8.30E-02	2.97E-02	4.48E+00
4963	487863.09	3862877.25	4.86772	4.43169	0.4615	0.39653	7.96E-01	3.44E+00	8.95E-02	2.92E-02	4.35E+00	7.84E-01	1.49E-04	9.81E-04	8.54E-04	7.86E-01	9.53E-01	3.44E+00	8.95E-02	2.92E-02	4.51E+00
4964	488363.09	3862877.25	5.15701	4.71528	0.4598	0.36843	8.43E-01	3.66E+00	8.92E-02	2.71E-02	4.62E+00	8.31E-01	1.58E-04	9.78E-04	7.93E-04	8.33E-01	1.01E+00	3.66E+00	8.92E-02	2.71E-02	4.78E+00
4965	488863.09	3862877.25	4.9741	5.40362	0.4452	0.35492	8.14E-01	4.19E+00	8.63E-02	2.61E-02	5.12E+00	8.01E-01	1.82E-04	9.47E-04	7.64E-04	8.03E-01	9.73E-01	4.19E+00	8.63E-02	2.61E-02	5.28E+00
4966	489363.09	3862877.25	5.2407	5.90692	0.4177	0.36501	8.57E-01	4.58E+00	8.10E-02	2.69E-02	5.55E+00	8.44E-01	1.98E-04	8.88E-04	7.86E-04	8.46E-01	1.03E+00	4.58E+00	8.10E-02	2.69E-02	5.72E+00
4967	489863.09	3862877.25	5.48379	6.68021	0.3882	0.32472	8.97E-01	5.18E+00	7.53E-02	2.39E-02	6.18E+00	8.84E-01	2.24E-04	8.25E-04	6.99E-04	8.85E-01	1.07E+00	5.18E+00	7.53E-02	2.39E-02	6.35E+00
4968	490363.09	3862877.25	5.68212	7.26204	0.4237	0.43044	9.29E-01	5.63E+00	8.22E-02	3.17E-02	6.68E+00	9.16E-01	2.44E-04	9.01E-04	9.27E-04	9.18E-01	1.11E+00	5.63E+00	8.22E-02	3.17E-02	6.86E+00
4969	490863.09	3862877.25	5.18718	7.34902	0.4768	0.54795	8.48E-01	5.70E+00	9.24E-02	4.03E-02	6.68E+00	8.36E-01	2.47E-04	1.01E-03	1.18E-03	8.38E-01	1.02E+00	5.70E+00	9.24E-02	4.03E-02	6.85E+00
4970	491363.09	3862877.25	5.35781	7.49733	0.4356	0.55789	8.76E-01	5.82E+00	8.45E-02	4.11E-02	6.82E+00	8.63E-01	2.52E-04	9.26E-04	1.20E-03	8.66E-01	1.05E+00	5.82E+00	8.45E-02	4.11E-02	6.99E+00
4971	491863.09	3862877.25	5.21269	6.72047	0.4604	0.49474	8.53E-01	5.21E+00	8.93E-02	3.64E-02	6.19E+00	8.40E-01	2.26E-04	9.79E-04	1.07E-03	8.42E-01	1.02E+00	5.21E+00	8.93E-02	3.64E-02	6.36E+00
4972	492363.09	3862877.25	4.85799	6.0922	0.5575	0.53172	7.95E-01	4.73E+00	1.08E-01	3.91E-02	5.67E+00	7.83E-01	2.05E-04	1.19E-03	1.14E-03	7.85E-01	9.51E-01	4.73E+00	1.08E-01	3.91E-02	5.82E+00
4973	492863.09	3862877.25	5.29343	5.69264	0.5307	0.48309	8.66E-01	4.42E+00	1.03E-01	3.56E-02	5.42E+00	8.53E-01	1.91E-04	1.13E-03	1.04E-03	8.55E-01	1.04E+00	4.42E+00	1.03E-01	3.56E-02	5.59E+00
4974	493363.09	3862877.25	5.09079	5.24346	0.7181	0.48266	8.33E-01	4.07E+00	1.39E-01	3.55E-02	5.07E+00	8.20E-01	1.76E-04	1.53E-03	1.04E-03	8.23E-01	9.96E-01	4.07E+00	1.39E-01	3.55E-02	5.24E+00
4975	493863.09	3862877.25	4.41729	5.22905	0.8435	0.57405	7.22E-01	4.06E+00	1.64E-01	4.23E-02	4.98E+00	7.12E-01	1.76E-04	1.79E-03	1.24E-03	7.15E-01	8.64E-01	4.06E+00	1.64E-01	4.23E-02	5.13E+00
4976	494363.09	3862877.25	4.02798	4.84707	0.9084	0.61553	6.59E-01	3.76E+00	1.76E-01	4.53E-02	4.64E+00	6.49E-01	1.63E-04	1.93E-03	1.33E-03	6.52E-01	7.88E-01	3.76E+00	1.76E-01	4.53E-02	4.77E+00
4977	494863.09	3862877.25	3.52983	4.47225	0.7819	0.76071	5.77E-01	3.47E+00	1.52E-01	5.60E-02	4.25E+00	5.69E-01	1.50E-04	1.66E-03	1.64E-03	5.72E-01	6.91E-01	3.47E+00	1.52E-01	5.60E-02	4.37E+00
4978	495363.09	3862877.25	3.83023	4.23425	0.7447	0.71663	6.26E-01	3.28E+00	1.44E-01	5.28E-02	4.11E+00	6.17E-01	1.42E-04	1.58E-03	1.54E-03	6.20E-01	7.49E-01	3.28E+00	1.44E-01	5.28E-02	4.23E+00
4979	495863.09	3862877.25	3.52424	3.79545	0.7318	0.78926	5.76E-01	2.94E+00	1.42E-01	5.81E-02	3.72E+00	5.68E-01	1.27E-04	1.56E-03	1.70E-03	5.71E-01	6.90E-01	2.94E+00	1.42E-01	5.81E-02	3.83E+00
4980	496363.09	3862877.25	3.47694	3.45115	0.7153	0.79829	5.69E-01	2.68E+00	1.39E-01	5.88E-02	3.44E+00	5.60E-01	1.16E-04	1.52E-03	1.72E-03	5.64E-01	6.80E-01	2.68E+00	1.39E-01	5.88E-02	3.56E+00
4981	496863.09	3862877.25	3.19567	3.30325	0.6918	0.82552	5.23E-01	2.56E+00	1.34E-01	6.08E-02	3.28E+00	5.15E-01	1.11E-04	1.47E-03	1.78E-03	5.18E-01	6.25E-01	2.56E+00	1.34E-01	6.08E-02	3.38E+00
4982	497363.09	3862877.25	3.38075	3.01535	0.7806	0.8617	5.53E-01	2.34E+00	1.51E-01	6.34E-02	3.11E+00	5.45E-01	1.01E-04	1.66E-03	1.86E-03	5.48E-01	6.62E-01	2.34E+00	1.51E-01	6.34E-02	3.22E+00
4983	497863.09	3862877.25	3.44494	2.88708	0.8682	0.77426	5.63E-01	2.24E+00	1.68E-01	5.70E-02	3.03E+00	5.55E-01	9.70E-05	1.85E-03	1.67E-03	5.59E-01	6.74E-01	2.24E+00	1.68E-01	5.70E-02	3.14E+00
4984	498363.09	3862877.25	3.45683	2.73251	0.9206	0.80838	5.65E-01	2.12E+00	1.79E-01	5.95E-02	2.92E+00	5.57E-01	9.18E-05	1.96E-03	1.74E-03	5.61E-01	6.76E-01	2.12E+00	1.79E-01	5.95E-02	3.03E+00
4985	471363.09	3863377.25	2.02122	1.18091	0.535	0.61116	3.31E-01	9.16E-01	1.04E-01	4.50E-02	1.40E+00	3.26E-01	3.97E-05	1.14E-03	1.32E-03	3.28E-01	3.96E-01	9.16E-01	1.04E-01	4.50E-02	1.46E+00
4986	471863.09	3863377.25	2.04792	1.15298	0.5731	0.6752	3.35E-01	8.94E-01	1.11E-01	4.97E-02	1.39E+00	3.30E-01	3.87E-05	1.22E-03	1.45E-03	3.33E-01	4.01E-01	8.94E-01	1.11E-01	4.97E-02	1.46E+00
4987	472363.09	3863377.25	2.08103	1.19291	0.7344	0.67572	3.40E-01	9.25E-01	1.42E-01	4.97E-02	1.46E+00	3.35E-01	4.01E-05	1.56E-03	1.45E-03	3.38E-01	4.07E-01	9.25E-01	1.42E-01	4.97E-02	1.52E+00
4988	472863.09	3863377.25	2.10109	1.23589	0.843	0.71545	3.44E-01	9.59E-01	1.63E-01	5.27E-02	1.52E+00	3.39E-01	4.15E-05	1.79E-03	1.54E-03	3.42E-01	4.11E-01	9.59E-01	1.63E-01	5.27E-02	1.59E+00
4989	473363.09	3863377.25	2.04991	1.2711	0.8399	0.72081	3.35E-01	9.86E-01	1.63E-01	5.31E-02	1.54E+00	3.30E-01	4.27E-05	1.79E-03	1.55E-03	3.34E-01	4.01E-01	9.86E-01	1.63E-01	5.31E-02	1.60E+00
4990	473863.09	3863377.25	1.94044	1.29749	0.7064	0.79169	3.17E-01	1.01E+00	1.37E-01	5.83E-02	1.52E+00	3.13E-01	4.36E-05	1.50E-03	1.70E-03	3.16E-01	3.80E-01	1.01E+00	1.37E-01	5.83E-02	1.58E+00
4991	474363.09	3863377.25	1.89341	1.35474	0.6527	0.83844	3.10E-01	1.05E+00	1.27E-01	6.17E-02	1.55E+00	3.05E-01	4.55E-05	1.39E-03	1.80E-03	3.08E-01	3.71E-01	1.05E+00	1.27E-01	6.17E-02	1.61E+00
4992	474863.09	3863377.25	1.92197	1.442	0.7136	0.80762	3.14E-01	1.12E+00	1.38E-01	5.95E-02	1.63E+00	3.10E-01	4.84E-05	1.52E-03	1.74E-03	3.13E-01	3.76E-01	1.12E+00	1.38E-01	5.95E-02	1.69E+00
4993	475363.09	3863377.25	1.86457	1.47068	0.6922	0.78584	3.05E-01	1.14E+00	1.34E-01	5.79E-02	1.64E+00	3.00E-01	4.94E-05	1.47E-03	1.69E-03	3.04E-01	3.65E-01	1.14E+00	1.34E-01	5.79E-02	1.70E+00
4994	475863.09	3863377.25	1.92545	1.50655	0.6955	0.71996	3.15E-01	1.17E+00	1.35E-01	5.30E-02	1.67E+00	3.10E-01	5.06E-05	1.48E-03	1.55E-03	3.13E-01	3.77E-01	1.17E+00	1.35E-01	5.30E-02	1.73E+00
4995	476363.09	3863377.25	1.99036	1.51612	0.6123	0.81191	3.26E-01	1.18E+00	1.19E-01	5.98E-02	1.68E+00	3.21E-01	5.09E-05	1.30E-03	1.75E-03	3.24E-01	3.89E-01	1.18E+00	1.19E-01	5.98E-02	1.74E+00
4996	476863.09	3863377.25	2.09734	1.59239	0.6078	0.83343	3.43E-01	1.24E+00	1.18E-01	6.14E-02	1.76E+00	3.38E-01	5.35E-05	1.29E-03	1.79E-03	3.41E-01	4.10E-01	1.24E+00	1.18E-01	6.14E-02	1.82E+00
4997	477363.09	3863377.25	2.17317	1.64861	0.5596	0.77324	3.55E-01	1.28E+00	1.09E-01	5.69E-02	1.80E+00	3.50E-01	5.54E-05	1.19E-03	1.66E-03	3.53E-01	4.25E-01	1.28E+00	1.09E-01	5.69E-02	1.87E+00
4998	477863.09	3863377.25	2.22127	1.55152	0.5677	0.76882	3.63E-01	1.20E+00	1.10E-01	5.66E-02	1.73E+00	3.58E-01	5.21E-05	1.21E-03	1.66E-03	3.61E-01	4.35E-01	1.20E+00	1.10E-01	5.66E-02	1.80E+00

4999	478363.09	3863377.25	2.35684	1.17506	0.5625	0.7963	3.85E-01	9.11E-01	1.09E-01	5.86E-02	1.46E+00	3.80E-01	3.95E-05	1.20E-03	1.71E-03	3.83E-01	4.61E-01	9.12E-01	1.09E-01	5.86E-02	1.54E+00
5000	478863.09	3863377.25	2.38448	1.29166	0.4963	0.76214	3.90E-01	1.00E+00	9.62E-02	5.61E-02	1.54E+00	3.84E-01	4.34E-05	1.06E-03	1.64E-03	3.87E-01	4.67E-01	1.00E+00	9.62E-02	5.61E-02	1.62E+00
5001	479363.09	3863377.25	2.42944	1.64696	0.4854	0.79477	3.97E-01	1.28E+00	9.41E-02	5.85E-02	1.83E+00	3.91E-01	5.53E-05	1.03E-03	1.71E-03	3.94E-01	4.75E-01	1.28E+00	9.41E-02	5.85E-02	1.91E+00
5002	479863.09	3863377.25	2.46184	1.8738	0.4958	0.76826	4.03E-01	1.45E+00	9.61E-02	5.66E-02	2.01E+00	3.97E-01	6.29E-05	1.05E-03	1.65E-03	3.99E-01	4.82E-01	1.45E+00	9.61E-02	5.66E-02	2.09E+00
5003	480363.09	3863377.25	2.46612	1.93724	0.4267	0.72239	4.03E-01	1.50E+00	8.27E-02	5.32E-02	2.04E+00	3.97E-01	6.51E-05	9.07E-04	1.56E-03	4.00E-01	4.83E-01	1.50E+00	8.27E-02	5.32E-02	2.12E+00
5004	480863.09	3863377.25	2.64576	1.95409	0.4819	0.71523	4.33E-01	1.52E+00	9.34E-02	5.27E-02	2.09E+00	4.26E-01	6.56E-05	1.02E-03	1.54E-03	4.29E-01	5.18E-01	1.52E+00	9.34E-02	5.27E-02	2.18E+00
5005	481363.09	3863377.25	2.798	1.99549	0.4455	0.72747	4.58E-01	1.55E+00	8.64E-02	5.36E-02	2.15E+00	4.51E-01	6.70E-05	9.47E-04	1.57E-03	4.53E-01	5.48E-01	1.55E+00	8.64E-02	5.36E-02	2.24E+00
5006	481863.09	3863377.25	2.85666	2.02648	0.4887	0.6395	4.67E-01	1.57E+00	9.48E-02	4.71E-02	2.18E+00	4.60E-01	6.81E-05	1.04E-03	1.38E-03	4.63E-01	5.59E-01	1.57E+00	9.48E-02	4.71E-02	2.27E+00
5007	482363.09	3863377.25	2.9562	2.07917	0.5005	0.6827	4.84E-01	1.61E+00	9.71E-02	5.03E-02	2.24E+00	4.76E-01	6.98E-05	1.06E-03	1.47E-03	4.79E-01	5.78E-01	1.61E+00	9.71E-02	5.03E-02	2.34E+00
5008	482863.09	3863377.25	3.00086	2.12787	0.4198	0.72963	4.91E-01	1.65E+00	8.14E-02	5.37E-02	2.28E+00	4.84E-01	7.15E-05	8.92E-04	1.57E-03	4.86E-01	5.87E-01	1.65E+00	8.14E-02	5.37E-02	2.37E+00
5009	483363.09	3863377.25	3.19781	2.16782	0.4169	0.61646	5.23E-01	1.68E+00	8.08E-02	4.54E-02	2.33E+00	5.15E-01	7.28E-05	8.86E-04	1.33E-03	5.18E-01	6.26E-01	1.68E+00	8.08E-02	4.54E-02	2.43E+00
5010	483863.09	3863377.25	3.38723	2.3467	0.4921	0.65092	5.54E-01	1.82E+00	9.54E-02	4.79E-02	2.52E+00	5.46E-01	7.88E-05	1.05E-03	1.40E-03	5.48E-01	6.63E-01	1.82E+00	9.54E-02	4.79E-02	2.63E+00
5011	484363.09	3863377.25	3.46513	2.48977	0.4772	0.58488	5.67E-01	1.93E+00	9.25E-02	4.31E-02	2.63E+00	5.58E-01	8.36E-05	1.01E-03	1.26E-03	5.61E-01	6.78E-01	1.93E+00	9.25E-02	4.31E-02	2.75E+00
5012	484863.09	3863377.25	3.37475	2.81042	0.6022	0.58288	5.52E-01	2.18E+00	1.17E-01	4.29E-02	2.89E+00	5.44E-01	9.44E-05	1.28E-03	1.25E-03	5.46E-01	6.60E-01	2.18E+00	1.17E-01	4.29E-02	3.00E+00
5013	485363.09	3863377.25	3.3615	2.84462	0.4335	0.42331	5.50E-01	2.21E+00	8.41E-02	3.12E-02	2.87E+00	5.42E-01	9.56E-05	9.22E-04	9.11E-04	5.44E-01	6.58E-01	2.21E+00	8.41E-02	3.12E-02	2.98E+00
5014	485863.09	3863377.25	3.37019	3.12423	0.447	0.44235	5.51E-01	2.42E+00	8.67E-02	3.26E-02	3.09E+00	5.43E-01	1.05E-04	9.50E-04	9.52E-04	5.45E-01	6.59E-01	2.42E+00	8.67E-02	3.26E-02	3.20E+00
5015	486363.09	3863377.25	3.59091	3.55356	0.4044	0.42411	5.87E-01	2.76E+00	7.84E-02	3.12E-02	3.45E+00	5.79E-01	1.19E-04	8.60E-04	9.13E-04	5.81E-01	7.03E-01	2.76E+00	7.84E-02	3.12E-02	3.57E+00
5016	486863.09	3863377.25	3.84692	3.49499	0.3869	0.38939	6.29E-01	2.71E+00	7.50E-02	2.87E-02	3.44E+00	6.20E-01	1.17E-04	8.23E-04	8.38E-04	6.22E-01	7.53E-01	2.71E+00	7.50E-02	2.87E-02	3.57E+00
5017	487363.09	3863377.25	3.93444	3.97055	0.3921	0.31793	6.44E-01	3.08E+00	7.60E-02	2.34E-02	3.82E+00	6.34E-01	1.33E-04	8.34E-04	6.84E-04	6.36E-01	7.70E-01	3.08E+00	7.60E-02	2.34E-02	3.95E+00
5018	487863.09	3863377.25	4.45388	3.83512	0.4247	0.34681	7.28E-01	2.97E+00	8.23E-02	2.55E-02	3.81E+00	7.18E-01	1.29E-04	9.03E-04	7.47E-04	7.19E-01	8.72E-01	2.98E+00	8.23E-02	2.55E-02	3.95E+00
5019	488363.09	3863377.25	4.85177	4.09694	0.4231	0.31613	7.94E-01	3.18E+00	8.20E-02	2.33E-02	4.08E+00	7.82E-01	1.38E-04	9.00E-04	6.81E-04	7.83E-01	9.49E-01	3.18E+00	8.20E-02	2.33E-02	4.23E+00
5020	488863.09	3863377.25	4.5489	4.53261	0.4143	0.30591	7.44E-01	3.52E+00	8.03E-02	2.25E-02	4.36E+00	7.33E-01	1.52E-04	8.81E-04	6.59E-04	7.35E-01	8.90E-01	3.52E+00	8.03E-02	2.25E-02	4.51E+00
5021	489363.09	3863377.25	4.50306	4.86478	0.3949	0.30595	7.37E-01	3.77E+00	7.66E-02	2.25E-02	4.61E+00	7.26E-01	1.63E-04	8.40E-04	6.59E-04	7.27E-01	8.81E-01	3.77E+00	7.66E-02	2.25E-02	4.75E+00
5022	489863.09	3863377.25	4.94365	5.45969	0.3533	0.27757	8.09E-01	4.24E+00	6.85E-02	2.04E-02	5.13E+00	7.97E-01	1.83E-04	7.51E-04	5.98E-04	7.98E-01	9.67E-01	4.24E+00	6.85E-02	2.04E-02	5.29E+00
5023	490363.09	3863377.25	5.00206	5.94679	0.3763	0.29263	8.18E-01	4.61E+00	7.30E-02	2.15E-02	5.53E+00	8.06E-01	2.00E-04	8.00E-04	6.30E-04	8.08E-01	9.79E-01	4.61E+00	7.30E-02	2.15E-02	5.69E+00
5024	490863.09	3863377.25	4.97363	6.46205	0.4155	0.3661	8.13E-01	5.01E+00	8.06E-02	2.70E-02	5.93E+00	8.01E-01	2.17E-04	8.83E-04	7.88E-04	8.03E-01	9.73E-01	5.01E+00	8.06E-02	2.70E-02	6.09E+00
5025	491363.09	3863377.25	5.02609	6.30811	0.3889	0.47243	8.22E-01	4.89E+00	7.54E-02	3.48E-02	5.83E+00	8.10E-01	2.12E-04	8.27E-04	1.02E-03	8.12E-01	9.84E-01	4.89E+00	7.54E-02	3.48E-02	5.99E+00
5026	491863.09	3863377.25	4.88148	6.67882	0.3879	0.45622	7.98E-01	5.18E+00	7.52E-02	3.36E-02	6.09E+00	7.87E-01	2.24E-04	8.25E-04	9.82E-04	7.89E-01	9.55E-01	5.18E+00	7.52E-02	3.36E-02	6.25E+00
5027	492363.09	3863377.25	4.72918	6.11276	0.4216	0.43404	7.74E-01	4.74E+00	8.17E-02	3.20E-02	5.63E+00	7.62E-01	2.05E-04	8.96E-04	9.34E-04	7.64E-01	9.25E-01	4.74E+00	8.17E-02	3.20E-02	5.78E+00
5028	492863.09	3863377.25	4.55089	5.24038	0.5211	0.45872	7.44E-01	4.06E+00	1.01E-01	3.38E-02	4.94E+00	7.33E-01	1.76E-04	1.11E-03	9.88E-04	7.36E-01	8.91E-01	4.07E+00	1.01E-01	3.38E-02	5.09E+00
5029	493363.09	3863377.25	5.10787	5.29115	0.4792	0.44826	8.35E-01	4.10E+00	9.29E-02	3.30E-02	5.07E+00	8.23E-01	1.78E-04	1.02E-03	9.65E-04	8.25E-01	1.00E+00	4.10E+00	9.29E-02	3.30E-02	5.23E+00
5030	493863.09	3863377.25	4.79837	5.1659	0.6671	0.41956	7.85E-01	4.01E+00	1.29E-01	3.09E-02	4.95E+00	7.73E-01	1.74E-04	1.42E-03	9.03E-04	7.76E-01	9.39E-01	4.01E+00	1.29E-01	3.09E-02	5.11E+00
5031	494363.09	3863377.25	4.13447	4.61807	0.7385	0.41408	6.76E-01	3.58E+00	1.43E-01	3.05E-02	4.43E+00	6.66E-01	1.55E-04	1.57E-03	8.91E-04	6.69E-01	8.09E-01	3.58E+00	1.43E-01	3.05E-02	4.57E+00
5032	494863.09	3863377.25	3.72728	4.44968	0.8072	0.49948	6.10E-01	3.45E+00	1.57E-01	3.68E-02	4.25E+00	6.01E-01	1.49E-04	1.72E-03	1.08E-03	6.04E-01	7.29E-01	3.45E+00	1.57E-01	3.68E-02	4.37E+00
5033	495363.09	3863377.25	3.39302	4.47146	0.7599	0.5217	5.55E-01	3.47E+00	1.47E-01	3.84E-02	4.21E+00	5.47E-01	1.50E-04	1.62E-03	1.12E-03	5.50E-01	6.64E-01	3.47E+00	1.47E-01	3.84E-02	4.32E+00
5034	495863.09	3863377.25	3.72299	4.18682	0.7953	0.64212	6.09E-01	3.25E+00	1.54E-01	4.73E-02	4.06E+00	6.00E-01	1.41E-04	1.69E-03	1.38E-03	6.03E-01	7.29E-01	3.25E+00	1.54E-01	4.73E-02	4.18E+00
5035	496363.09	3863377.25	3.44722	3.89412	0.6312	0.58993	5.64E-01	3.02E+00	1.22E-01	4.34E-02	3.75E+00	5.55E-01	1.31E-04	1.34E-03	1.27E-03	5.58E-01	6.75E-01	3.02E+00	1.22E-01	4.34E-02	3.86E+00
5036	496863.09	3863377.25	3.05111	3.33639	0.6238	0.62146	4.99E-01	2.59E+00	1.21E-01	4.58E-02	3.25E+00	4.92E-01	1.12E-04	1.33E-03	1.34E-03	4.94E-01	5.97E-01	2.59E+00	1.21E-01	4.58E-02	3.35E+00
5037	497363.09	3863377.25	2.94273	3.09694	0.5856	0.70218	4.81E-01	2.40E+00	1.14E-01	5.17E-02	3.05E+00	4.74E-01	1.04E-04	1.25E-03	1.51E-03	4.77E-01	5.76E-01	2.40E+00	1.14E-01	5.17E-02	3.14E+00
5038	497863.09	3863377.25	2.92937	2.94183	0.6296	0.71146	4.79E-01	2.28E+00	1.22E-01	5.24E-02	2.94E+00	4.72E-01	9.88E-05	1.34E-03	1.53E-03	4.75E-01	5.73E-01	2.28E+00	1.22E-01	5.24E-02	3.03E+00
5039	498363.09	3863377.25	2.92892	2.76468	0.7107	0.73959	4.79E-01	2.14E+00	1.38E-01	5.45E-02	2.82E+00	4.72E-01	9.29E-05	1.51E-03	1.59E-03	4.75E-01	5.73E-01	2.14E+00	1.38E-01	5.45E-02	2.91E+00
5040	471363.09	3863877.25	1.97548	1.12691	0.7399	0.65917	3.23E-01	8.74E-01	1.43E-01	4.85E-02	1.39E+00	3.18E-01	3.79E-05	1.57E-03	1.42E-03	3.21E-01	3.87E-01	8.74E-01	1.43E-01	4.85E-02	1.45E+00
5041	471863.09	3863877.25	1.99223	1.1763	0.7198	0.66209	3.26E-01	9.12E-01	1.40E-01	4.87E-02	1.43E+00	3.21E-01	3.95E-05	1.53E-03	1.43E-03	3.24E-01	3.90E-01	9.13E-01	1.40E-01	4.87E-02	1.49E+00
5042	472363.09	3863877.25	1.92801	1.18267	0.6502	0.69273	3.15E-01	9.17E-01	1.26E-01	5.10E-02	1.41E+00	3.11E-01	3.97E-05	1.38E-03	1.49E-03	3.14E-01	3.77E-01	9.17E-01	1.26E-01	5.10E-02	1.47E+00
5043	472863.09	3863877.25	1.8149	1.21147	0.5822	0.72009	2.97E-01	9.40E-01	1.13E-01	5.30E-02	1.40E+00	2.92E-01	4.07E-05	1.24E-03	1.55E-03	2.95E-01	3.55E-01	9.40E-01	1.13E-01	5.30E-02	1.46E+00
5044	473363.09	3863877.25	1.74499	1.3068	0.6004	0.8005	2.85E-01	1.01E+00	1.16E-01	5.89E-02	1.47E+00	2.81E-01	4.39E-05	1.28E-03	1.72E-03	2.84E-01	3.41E-01	1.01E+00	1.16E-01	5.89E-02	1.53E+00
5045	473863.09	3863877.25	1.79774	1.33256	0.6525	0.79025	2.94E-01	1.03E+00	1.27E-01	5.82E-02	1.51E+00	2.90E-01	4.48E-05	1.39E-03	1.70E-03	2.93E-01	3.52E-01	1.03E+00	1.27E-01	5.82E-02	1.57E+00
5046	474363.09	3863877.25	1.71717	1.39237	0.6052	0.74	2.81E-01	1.08E+00	1.17E-01	5.45E-02	1.53E+00	2.77E-01	4.68E-05	1.29E-03	1.59E-03	2.80E-01	3.36E-01	1.08E+00	1.17E-01	5.45E-02	1.59E+00
5047	474863.09	3863877.25	1.69684	1.38842	0.6	0.76272	2.78E-01	1.08E+00	1.16E-01	5.62E-02	1.53E+00	2.73E-01	4.66E-05	1.28E-03	1.64E-03	2.76E-01	3.32E-01	1.08E+00	1.16E-01	5.62E-02	1.58E+00
5048	475363.09	3863877.25	1.84422	1.3955	0.5685	0.67984	3.02E-01	1.08E+00	1.10E-01	5.01E-02	1.54E+00	2.97E-01	4.69E-05	1.21E-03	1.46E-03	3.00E-01	3.61E-01	1.08E+00	1.10E-01	5.01E-02	1.60E+00
5049	475863.09	3863877.25	1.88382	1.48527	0.5532	0.69082	3.08E-01	1.15E+00	1.07E-01	5.09E-02	1.62E+00	3.04E-01	4.99E-05	1.18E-03	1.49E-03	3.06E-01	3.69E-01	1.15E+00	1.07E-01	5.09E-02	1.68E+00
5050	476363.09	3863877.25	1.98549	1.55642	0.5234	0.69115	3.25E-01	1.21E+00	1.01E-01	5.09E-02	1.68E+00	3.20E-01	5.23E-05	1.11E-03	1.49E-03	3.23E-01	3.89E-01	1.21E+00	1.01E-01	5.09E-02	1.75E+00
5051	476863.09	3863877.25	1.97942	1.59276	0.5212	0.70029	3.24E-01	1.24E+00	1.01E-01	5.16E-02	1.71E+00	3.19E-01	5.35E-05	1.11E-03	1.51E-03	3.22E-01	3.87E-01	1.24E+00	1.01E-01	5.16E-02	1.78E+00
5052	477363.09	3863877.25	2.07593	1.61722	0.5144	0.6945	3.40E-01	1.25E+00	9.97E-02	5.11E-02	1.74E+00	3.34E-01	5.43E-05	1.09E-03	1.50E-03	3.37E-01	4.06E-01	1.25E+00	9.97E-02	5.11E-02	1.81E+00
5053	477863.09	3863877.25	2.15326	1.56489	0.4547	0.68595	3.52E-01	1.21E+00	8.82E-02	5.05E-02	1.70E+00	3.47E-01	5.26E-05	9.67E-04	1.48E-03	3.49E-01	4.21E-01	1.21E+00	8.82E-02	5.05E-02	1.77E+00
5054	478363.09	3863877.25	2.22179	1.35573	0.4426	0.70606	3.63E-01	1.05E+00	8.58E-02	5.20E-02	1.55E+00	3.58E-01	4.55E-05	9.41E-04	1.52E-03	3.61E-01	4.35E-01	1.05E+00	8.58E-02	5.20E-02	1.62E+00
5055	478863.09	3863877.25	2.28739	1.59637	0.4327	0.72282	3.74E-01	1.24E+00	8.39E-02	5.32E-02	1.75E+00	3.69E-01	5.36E-05	9.20E-04	1.56E-03	3.71E-01	4.48E-01	1.24E+00	8.39E-02	5.32E-02	1.82E+00
5056	479363.09	3863877.25	2.28214	1.73	0.3922	0.70689	3.73E-01	1.34E+00	7.60E-02	5.20E-02	1.84E+00	3.68E-01	5.81E-05	8.34E-04	1.52E-03	3.70E-01	4.47E-01	1.34E+00	7.60E-02	5.20E-02	1.92E+00
5057	479863.09	3863877.25	2.27575	1.77283	0.4227	0.63614	3.72E-01	1.38E+00	8.20E-02	4.68E-02	1.88E+00	3.67E-01	5.96E-05	8.99E-04	1.37E-03	3.69E-01	4.45E-01	1.38E+00	8.20E-02	4.68E-02	1.95E+00
5058	480363.09	3863877.25	2.41202	1.76575	0.4101	0.65248	3.95E-01	1.37E+00	7.95E-02	4.80E-02	1.89E+00	3.89E-01	5.93E-05	8.72E-04	1.40E-03	3.91E-01	4.72E-01	1.37E+00	7.95E-02	4.80E-02	1.97E+00
5059	480863.09	3863877.25	2.55061	1.8025	0.4034	0.67769	4.17E-01	1.40E+00	7.82E-02	4.99E-02	1.94E+00	4.11E-01	6.05E-05	8.58E-04	1.46E-03	4.13E-01	4.99E-01	1.40E+00	7.82E-02	4.99E-02	2.03E+00

5060	481363.09	3863877.25	2.69995	1.82961	0.4845	0.58042	4.42E-01	1.42E+00	9.39E-02	4.27E-02	2.00E+00	4.35E-01	6.15E-05	1.03E-03	1.25E-03	4.37E-01	5.28E-01	1.42E+00	9.39E-02	4.27E-02	2.08E+00
5061	481863.09	3863877.25	2.75557	1.82617	0.4444	0.60573	4.51E-01	1.42E+00	8.62E-02	4.46E-02	2.00E+00	4.44E-01	6.13E-05	9.45E-04	1.30E-03	4.46E-01	5.39E-01	1.42E+00	8.62E-02	4.46E-02	2.09E+00
5062	482363.09	3863877.25	2.73192	1.94307	0.3794	0.5788	4.47E-01	1.51E+00	7.36E-02	4.26E-02	2.07E+00	4.40E-01	6.53E-05	8.07E-04	1.25E-03	4.42E-01	5.35E-01	1.51E+00	7.36E-02	4.26E-02	2.16E+00
5063	482863.09	3863877.25	2.87846	2.0226	0.3789	0.51296	4.71E-01	1.57E+00	7.35E-02	3.78E-02	2.15E+00	4.64E-01	6.79E-05	8.06E-04	1.10E-03	4.66E-01	5.63E-01	1.57E+00	7.35E-02	3.78E-02	2.24E+00
5064	483363.09	3863877.25	2.94692	2.11908	0.4114	0.52664	4.82E-01	1.64E+00	7.98E-02	3.88E-02	2.24E+00	4.75E-01	7.12E-05	8.75E-04	1.13E-03	4.77E-01	5.77E-01	1.64E+00	7.98E-02	3.88E-02	2.34E+00
5065	483863.09	3863877.25	3.1033	2.26431	0.4113	0.54487	5.08E-01	1.76E+00	7.97E-02	4.01E-02	2.38E+00	5.00E-01	7.61E-05	8.74E-04	1.17E-03	5.02E-01	6.07E-01	1.76E+00	7.97E-02	4.01E-02	2.48E+00
5066	484363.09	3863877.25	3.24794	2.47279	0.5215	0.55925	5.31E-01	1.92E+00	1.01E-01	4.12E-02	2.59E+00	5.23E-01	8.31E-05	1.11E-03	1.20E-03	5.26E-01	6.36E-01	1.92E+00	1.01E-01	4.12E-02	2.70E+00
5067	484863.09	3863877.25	3.10497	2.53912	0.4808	0.46306	5.08E-01	1.97E+00	9.32E-02	3.41E-02	2.60E+00	5.00E-01	8.53E-05	1.02E-03	9.97E-04	5.02E-01	6.08E-01	1.97E+00	9.32E-02	3.41E-02	2.70E+00
5068	485363.09	3863877.25	3.09459	2.63741	0.4341	0.43969	5.06E-01	2.05E+00	8.42E-02	3.24E-02	2.67E+00	4.99E-01	8.86E-05	9.23E-04	9.47E-04	5.01E-01	6.06E-01	2.05E+00	8.42E-02	3.24E-02	2.77E+00
5069	485863.09	3863877.25	3.16059	3.01633	0.4078	0.39059	5.17E-01	2.34E+00	7.91E-02	2.88E-02	2.96E+00	5.09E-01	1.01E-04	8.67E-04	8.41E-04	5.11E-01	6.18E-01	2.34E+00	7.91E-02	2.88E-02	3.07E+00
5070	486363.09	3863877.25	3.38883	3.14004	0.3754	0.31537	5.54E-01	2.44E+00	7.28E-02	2.32E-02	3.09E+00	5.46E-01	1.05E-04	7.98E-04	6.79E-04	5.48E-01	6.63E-01	2.44E+00	7.28E-02	2.32E-02	3.20E+00
5071	486863.09	3863877.25	3.50898	3.21762	0.3575	0.34822	5.74E-01	2.50E+00	6.93E-02	2.56E-02	3.16E+00	5.65E-01	1.08E-04	7.60E-04	7.50E-04	5.67E-01	6.87E-01	2.50E+00	6.93E-02	2.56E-02	3.28E+00
5072	487363.09	3863877.25	3.55586	3.48591	0.3554	0.28728	5.82E-01	2.70E+00	6.89E-02	2.12E-02	3.38E+00	5.73E-01	1.17E-04	7.56E-04	6.18E-04	5.74E-01	6.96E-01	2.70E+00	6.89E-02	2.12E-02	3.49E+00
5073	487863.09	3863877.25	4.00193	3.32993	0.3924	0.27384	6.55E-01	2.58E+00	7.61E-02	2.02E-02	3.33E+00	6.45E-01	1.12E-04	8.34E-04	5.90E-04	6.46E-01	7.83E-01	2.58E+00	7.61E-02	2.02E-02	3.46E+00
5074	488363.09	3863877.25	4.39918	3.62094	0.3913	0.27107	7.20E-01	2.81E+00	7.59E-02	2.00E-02	3.62E+00	7.09E-01	1.22E-04	8.32E-04	5.84E-04	7.10E-01	8.61E-01	2.81E+00	7.59E-02	2.00E-02	3.77E+00
5075	488863.09	3863877.25	4.40921	3.89386	0.3978	0.25462	7.21E-01	3.02E+00	7.71E-02	1.87E-02	3.84E+00	7.10E-01	1.31E-04	8.46E-04	5.48E-04	7.12E-01	8.63E-01	3.02E+00	7.71E-02	1.87E-02	3.98E+00
5076	489363.09	3863877.25	4.12163	4.28346	0.3675	0.2555	6.74E-01	3.32E+00	7.13E-02	1.88E-02	4.09E+00	6.64E-01	1.44E-04	7.81E-04	5.50E-04	6.66E-01	8.07E-01	3.32E+00	7.13E-02	1.88E-02	4.22E+00
5077	489863.09	3863877.25	4.32119	4.54149	0.3407	0.26321	7.07E-01	3.52E+00	6.61E-02	1.94E-02	4.32E+00	6.96E-01	1.53E-04	7.24E-04	5.67E-04	6.98E-01	8.46E-01	3.52E+00	6.61E-02	1.94E-02	4.45E+00
5078	490363.09	3863877.25	4.41202	5.11305	0.3342	0.23933	7.22E-01	3.97E+00	6.48E-02	1.76E-02	4.77E+00	7.11E-01	1.72E-04	7.11E-04	5.15E-04	7.12E-01	8.63E-01	3.97E+00	6.48E-02	1.76E-02	4.91E+00
5079	490863.09	3863877.25	4.67841	5.50377	0.3529	0.26084	7.65E-01	4.27E+00	6.84E-02	1.92E-02	5.12E+00	7.54E-01	1.85E-04	7.50E-04	5.62E-04	7.55E-01	9.15E-01	4.27E+00	6.84E-02	1.92E-02	5.27E+00
5080	491363.09	3863877.25	4.35828	5.72361	0.4018	0.32204	7.13E-01	4.44E+00	7.79E-02	2.37E-02	5.25E+00	7.02E-01	1.92E-04	8.54E-04	6.93E-04	7.04E-01	8.53E-01	4.44E+00	7.79E-02	2.37E-02	5.39E+00
5081	491863.09	3863877.25	4.4934	5.70196	0.3625	0.41635	7.35E-01	4.42E+00	7.03E-02	3.07E-02	5.26E+00	7.24E-01	1.92E-04	7.71E-04	8.96E-04	7.26E-01	8.79E-01	4.42E+00	7.03E-02	3.07E-02	5.40E+00
5082	492363.09	3863877.25	4.91846	6.5213	0.3805	0.37901	8.04E-01	5.06E+00	7.38E-02	2.79E-02	5.96E+00	7.93E-01	2.19E-04	8.09E-04	8.16E-04	7.94E-01	9.62E-01	5.06E+00	7.38E-02	2.79E-02	6.12E+00
5083	492863.09	3863877.25	4.35389	5.55943	0.3798	0.36206	7.12E-01	4.31E+00	7.37E-02	2.67E-02	5.12E+00	7.02E-01	1.87E-04	8.08E-04	7.79E-04	7.03E-01	8.52E-01	4.31E+00	7.37E-02	2.67E-02	5.26E+00
5084	493363.09	3863877.25	4.25108	4.94145	0.4223	0.39342	6.95E-01	3.83E+00	8.19E-02	2.90E-02	4.64E+00	6.85E-01	1.66E-04	8.98E-04	8.47E-04	6.87E-01	8.32E-01	3.83E+00	8.19E-02	2.90E-02	4.78E+00
5085	493863.09	3863877.25	4.71768	4.52465	0.4092	0.43017	7.72E-01	3.51E+00	7.93E-02	3.17E-02	4.39E+00	7.60E-01	1.52E-04	8.70E-04	9.26E-04	7.62E-01	9.23E-01	3.51E+00	7.93E-02	3.17E-02	4.54E+00
5086	494363.09	3863877.25	4.38999	4.78881	0.5603	0.34404	7.18E-01	3.71E+00	1.09E-01	2.53E-02	4.57E+00	7.07E-01	1.61E-04	1.19E-03	7.41E-04	7.09E-01	8.59E-01	3.71E+00	1.09E-01	2.53E-02	4.71E+00
5087	494863.09	3863877.25	4.12329	4.43989	0.6515	0.33771	6.74E-01	3.44E+00	1.26E-01	2.49E-02	4.27E+00	6.64E-01	1.49E-04	1.39E-03	7.27E-04	6.67E-01	8.07E-01	3.44E+00	1.26E-01	2.49E-02	4.40E+00
5088	495363.09	3863877.25	3.37416	4.27146	0.748	0.34998	5.52E-01	3.31E+00	1.45E-01	2.58E-02	4.04E+00	5.44E-01	1.43E-04	1.59E-03	7.53E-04	5.46E-01	6.60E-01	3.31E+00	1.45E-01	2.58E-02	4.14E+00
5089	495863.09	3863877.25	3.35528	4.04026	0.7441	0.40155	5.49E-01	3.13E+00	1.44E-01	2.96E-02	3.86E+00	5.41E-01	1.36E-04	1.58E-03	8.64E-04	5.43E-01	6.57E-01	3.13E+00	1.44E-01	2.96E-02	3.96E+00
5090	496363.09	3863877.25	3.008	3.90111	0.6616	0.43441	4.92E-01	3.03E+00	1.28E-01	3.20E-02	3.68E+00	4.85E-01	1.31E-04	1.41E-03	9.35E-04	4.87E-01	5.89E-01	3.03E+00	1.28E-01	3.20E-02	3.78E+00
5091	496863.09	3863877.25	3.31135	3.70943	0.5974	0.5296	5.42E-01	2.88E+00	1.16E-01	3.90E-02	3.57E+00	5.34E-01	1.25E-04	1.27E-03	1.14E-03	5.36E-01	6.48E-01	2.88E+00	1.16E-01	3.90E-02	3.68E+00
5092	497363.09	3863877.25	2.92446	3.53159	0.5539	0.4924	4.78E-01	2.74E+00	1.07E-01	3.63E-02	3.36E+00	4.71E-01	1.19E-04	1.18E-03	1.06E-03	4.74E-01	5.72E-01	2.74E+00	1.07E-01	3.63E-02	3.46E+00
5093	497863.09	3863877.25	2.81731	3.06162	0.5426	0.50132	4.61E-01	2.37E+00	1.05E-01	3.69E-02	2.98E+00	4.54E-01	1.03E-04	1.15E-03	1.08E-03	4.56E-01	5.51E-01	2.38E+00	1.05E-01	3.69E-02	3.07E+00
5094	498363.09	3863877.25	2.66343	2.82973	0.5192	0.57775	4.36E-01	2.20E+00	1.01E-01	4.25E-02	2.77E+00	4.29E-01	9.51E-05	1.10E-03	1.24E-03	4.32E-01	5.21E-01	2.20E+00	1.01E-01	4.25E-02	2.86E+00
5095	471363.09	3864377.25	1.81432	1.11327	0.5312	0.65062	2.97E-01	8.64E-01	1.03E-01	4.79E-02	1.31E+00	2.92E-01	3.74E-05	1.13E-03	1.40E-03	2.95E-01	3.55E-01	8.64E-01	1.03E-01	4.79E-02	1.37E+00
5096	471863.09	3864377.25	1.7195	1.16068	0.5101	0.66599	2.81E-01	9.00E-01	9.89E-02	4.90E-02	1.33E+00	2.77E-01	3.90E-05	1.08E-03	1.43E-03	2.80E-01	3.36E-01	9.00E-01	9.89E-02	4.90E-02	1.38E+00
5097	472363.09	3864377.25	1.63328	1.20878	0.5601	0.69238	2.67E-01	9.38E-01	1.09E-01	5.10E-02	1.36E+00	2.63E-01	4.06E-05	1.19E-03	1.49E-03	2.66E-01	3.20E-01	9.38E-01	1.09E-01	5.10E-02	1.42E+00
5098	472863.09	3864377.25	1.68218	1.22916	0.5387	0.74659	2.75E-01	9.53E-01	1.04E-01	5.50E-02	1.39E+00	2.71E-01	4.13E-05	1.15E-03	1.61E-03	2.74E-01	3.29E-01	9.54E-01	1.04E-01	5.50E-02	1.44E+00
5099	473363.09	3864377.25	1.62323	1.28011	0.5509	0.71046	2.65E-01	9.93E-01	1.07E-01	5.23E-02	1.42E+00	2.62E-01	4.30E-05	1.17E-03	1.53E-03	2.64E-01	3.18E-01	9.93E-01	1.07E-01	5.23E-02	1.47E+00
5100	473863.09	3864377.25	1.59107	1.28217	0.5082	0.65266	2.60E-01	9.95E-01	9.86E-02	4.81E-02	1.40E+00	2.56E-01	4.31E-05	1.08E-03	1.41E-03	2.59E-01	3.11E-01	9.95E-01	9.86E-02	4.81E-02	1.45E+00
5101	474363.09	3864377.25	1.64311	1.32677	0.5215	0.60641	2.69E-01	1.03E+00	1.01E-01	4.46E-02	1.44E+00	2.65E-01	4.46E-05	1.11E-03	1.31E-03	2.67E-01	3.22E-01	1.03E+00	1.01E-01	4.46E-02	1.50E+00
5102	474863.09	3864377.25	1.76583	1.39608	0.5074	0.57374	2.89E-01	1.08E+00	9.84E-02	4.22E-02	1.51E+00	2.85E-01	4.69E-05	1.08E-03	1.24E-03	2.87E-01	3.46E-01	1.08E+00	9.84E-02	4.22E-02	1.57E+00
5103	475363.09	3864377.25	1.81686	1.43686	0.4914	0.56511	2.97E-01	1.11E+00	9.53E-02	4.16E-02	1.55E+00	2.93E-01	4.83E-05	1.04E-03	1.22E-03	2.95E-01	3.56E-01	1.11E+00	9.53E-02	4.16E-02	1.61E+00
5104	475863.09	3864377.25	1.8923	1.47952	0.47	0.64126	3.10E-01	1.15E+00	9.11E-02	4.72E-02	1.60E+00	3.05E-01	4.97E-05	9.99E-04	1.38E-03	3.07E-01	3.70E-01	1.15E+00	9.11E-02	4.72E-02	1.66E+00
5105	476363.09	3864377.25	1.88566	1.50435	0.456	0.64257	3.08E-01	1.17E+00	8.84E-02	4.73E-02	1.61E+00	3.04E-01	5.05E-05	9.70E-04	1.38E-03	3.06E-01	3.69E-01	1.17E+00	8.84E-02	4.73E-02	1.67E+00
5106	476863.09	3864377.25	1.9552	1.49573	0.4234	0.635	3.20E-01	1.16E+00	8.21E-02	4.68E-02	1.61E+00	3.15E-01	5.02E-05	9.00E-04	1.37E-03	3.17E-01	3.83E-01	1.16E+00	8.21E-02	4.68E-02	1.67E+00
5107	477363.09	3864377.25	2.0075	1.5134	0.4305	0.62012	3.28E-01	1.17E+00	8.35E-02	4.57E-02	1.63E+00	3.23E-01	5.08E-05	9.15E-04	1.33E-03	3.26E-01	3.93E-01	1.17E+00	8.35E-02	4.57E-02	1.70E+00
5108	477863.09	3864377.25	2.06332	1.51413	0.4074	0.67238	3.37E-01	1.17E+00	7.90E-02	4.95E-02	1.64E+00	3.32E-01	5.09E-05	8.66E-04	1.45E-03	3.35E-01	4.04E-01	1.17E+00	7.90E-02	4.95E-02	1.71E+00
5109	478363.09	3864377.25	2.12979	1.58032	0.3987	0.62333	3.48E-01	1.23E+00	7.73E-02	4.59E-02	1.70E+00	3.43E-01	5.31E-05	8.48E-04	1.34E-03	3.45E-01	4.17E-01	1.23E+00	7.73E-02	4.59E-02	1.77E+00
5110	478863.09	3864377.25	2.153	1.61524	0.3383	0.67157	3.52E-01	1.25E+00	6.56E-02	4.94E-02	1.72E+00	3.47E-01	5.43E-05	7.19E-04	1.45E-03	3.49E-01	4.21E-01	1.25E+00	6.56E-02	4.94E-02	1.79E+00
5111	479363.09	3864377.25	2.12184	1.61761	0.3983	0.59467	3.47E-01	1.25E+00	7.72E-02	4.38E-02	1.72E+00	3.42E-01	5.43E-05	8.47E-04	1.28E-03	3.44E-01	4.15E-01	1.25E+00	7.72E-02	4.38E-02	1.79E+00
5112	479863.09	3864377.25	2.2135	1.62834	0.3705	0.56553	3.62E-01	1.26E+00	7.18E-02	4.16E-02	1.74E+00	3.57E-01	5.47E-05	7.88E-04	1.22E-03	3.59E-01	4.33E-01	1.26E+00	7.18E-02	4.16E-02	1.81E+00
5113	480363.09	3864377.25	2.31166	1.6301	0.3883	0.62806	3.78E-01	1.26E+00	7.53E-02	4.62E-02	1.76E+00	3.72E-01	5.48E-05	8.26E-04	1.35E-03	3.75E-01	4.52E-01	1.26E+00	7.53E-02	4.62E-02	1.84E+00
5114	480863.09	3864377.25	2.49599	1.64107	0.4529	0.59721	4.08E-01	1.27E+00	8.78E-02	4.40E-02	1.81E+00	4.02E-01	5.51E-05	9.63E-04	1.29E-03	4.04E-01	4.88E-01	1.27E+00	8.78E-02	4.40E-02	1.89E+00
5115	481363.09	3864377.25	2.58509	1.58737	0.3967	0.53765	4.23E-01	1.23E+00	7.69E-02	3.96E-02	1.77E+00	4.17E-01	5.33E-05	8.44E-04	1.16E-03	4.19E-01	5.06E-01	1.23E+00	7.69E-02	3.96E-02	1.85E+00
5116	481863.09	3864377.25	2.5626	1.75178	0.3498	0.47711	4.19E-01	1.36E+00	6.78E-02	3.51E-02	1.88E+00	4.13E-01	5.88E-05	7.44E-04	1.03E-03	4.15E-01	5.01E-01	1.36E+00	6.78E-02	3.51E-02	1.96E+00
5117	482363.09	3864377.25	2.60368	1.85498	0.346	0.45519	4.26E-01	1.44E+00	6.71E-02	3.35E-02	1.97E+00	4.20E-01	6.23E-05	7.36E-04	9.80E-04	4.21E-01	5.09E-01	1.44E+00	6.71E-02	3.35E-02	2.05E+00
5118	482863.09	3864377.25	2.63641	1.87027	0.3499	0.45864	4.31E-01	1.45E+00	6.79E-02	3.38E-02	1.98E+00	4.25E-01	6.28E-05	7.44E-04	9.87E-04	4.27E-01	5.16E-01	1.45E+00	6.79E-02	3.38E-02	2.07E+00
5119	483363.09	3864377.25	2.88207	1.9886	0.3726	0.48107	4.71E-01	1.54E+00	7.22E-02	3.54E-02	2.12E+00	4.64E-01	6.68E-05	7.92E-04	1.04E-03	4.66E-01	5.64E-01	1.54E+00	7.22E-02	3.54E-02	2.21E+00
5120	483863.09	3864377.25	2.90291	2.17663	0.4294	0.42041	4.75E-01	1.69E+00	8.33E-02	3.10E-02	2.28E+00	4.68E-01	7.31E-05	9.13E-04	9.05E-04	4.70E-01	5.68E-01	1.69E+00	8.33E-02	3.10E-02	2.37E+00

5121	484363.09	3864377.25	3.05144	2.30979	0.4655	0.47314	4.99E-01	1.79E+00	9.03E-02	3.48E-02	2.42E+00	4.92E-01	7.76E-05	9.90E-04	1.02E-03	4.94E-01	5.97E-01	1.79E+00	9.03E-02	3.48E-02	2.51E+00
5122	484863.09	3864377.25	2.877	2.21847	0.3547	0.40026	4.71E-01	1.72E+00	6.88E-02	2.95E-02	2.29E+00	4.64E-01	7.45E-05	7.54E-04	8.62E-04	4.65E-01	5.63E-01	1.72E+00	6.88E-02	2.95E-02	2.38E+00
5123	485363.09	3864377.25	2.87696	2.51986	0.3655	0.41491	4.71E-01	1.95E+00	7.09E-02	3.05E-02	2.53E+00	4.64E-01	8.46E-05	7.77E-04	8.93E-04	4.65E-01	5.63E-01	1.95E+00	7.09E-02	3.05E-02	2.62E+00
5124	485863.09	3864377.25	2.96341	2.71595	0.3435	0.29995	4.85E-01	2.11E+00	6.66E-02	2.21E-02	2.68E+00	4.77E-01	9.12E-05	7.30E-04	6.46E-04	4.79E-01	5.80E-01	2.11E+00	6.66E-02	2.21E-02	2.78E+00
5125	486363.09	3864377.25	3.22311	2.54175	0.3365	0.29621	5.27E-01	1.97E+00	6.52E-02	2.18E-02	2.59E+00	5.19E-01	8.54E-05	7.15E-04	6.38E-04	5.21E-01	6.31E-01	1.97E+00	6.52E-02	2.18E-02	2.69E+00
5126	486863.09	3864377.25	3.20079	2.98759	0.3357	0.28848	5.24E-01	2.32E+00	6.51E-02	2.12E-02	2.93E+00	5.16E-01	1.00E-04	7.14E-04	6.21E-04	5.17E-01	6.26E-01	2.32E+00	6.51E-02	2.12E-02	3.03E+00
5127	487363.09	3864377.25	3.31355	3.06101	0.353	0.23825	5.42E-01	2.37E+00	6.84E-02	1.75E-02	3.00E+00	5.34E-01	1.03E-04	7.50E-04	5.13E-04	5.35E-01	6.48E-01	2.37E+00	6.84E-02	1.75E-02	3.11E+00
5128	487863.09	3864377.25	3.62434	2.98306	0.3649	0.22688	5.93E-01	2.31E+00	7.07E-02	1.67E-02	2.99E+00	5.84E-01	1.00E-04	7.76E-04	4.88E-04	5.85E-01	7.09E-01	2.31E+00	7.07E-02	1.67E-02	3.11E+00
5129	488363.09	3864377.25	3.96706	3.217	0.3632	0.23912	6.49E-01	2.50E+00	7.04E-02	1.76E-02	3.23E+00	6.39E-01	1.08E-04	7.72E-04	5.15E-04	6.41E-01	7.76E-01	2.50E+00	7.04E-02	1.76E-02	3.36E+00
5130	488863.09	3864377.25	3.95053	3.40266	0.3718	0.23235	6.46E-01	2.64E+00	7.21E-02	1.71E-02	3.37E+00	6.37E-01	1.14E-04	7.90E-04	5.00E-04	6.38E-01	7.73E-01	2.64E+00	7.21E-02	1.71E-02	3.50E+00
5131	489363.09	3864377.25	3.96616	3.69115	0.3439	0.2309	6.49E-01	2.86E+00	6.67E-02	1.70E-02	3.60E+00	6.39E-01	1.24E-04	7.31E-04	4.97E-04	6.40E-01	7.76E-01	2.86E+00	6.67E-02	1.70E-02	3.72E+00
5132	489863.09	3864377.25	3.67061	3.804	0.3173	0.22695	6.00E-01	2.95E+00	6.15E-02	1.67E-02	3.63E+00	5.91E-01	1.28E-04	6.75E-04	4.89E-04	5.93E-01	7.18E-01	2.95E+00	6.15E-02	1.67E-02	3.75E+00
5133	490363.09	3864377.25	4.08486	4.32553	0.3	0.22496	6.68E-01	3.36E+00	5.82E-02	1.66E-02	4.10E+00	6.58E-01	1.45E-04	6.38E-04	4.84E-04	6.59E-01	7.99E-01	3.36E+00	5.82E-02	1.66E-02	4.23E+00
5134	490863.09	3864377.25	4.48235	4.85141	0.3229	0.21507	7.33E-01	3.76E+00	6.26E-02	1.58E-02	4.57E+00	7.22E-01	1.63E-04	6.87E-04	4.63E-04	7.24E-01	8.77E-01	3.76E+00	6.26E-02	1.58E-02	4.72E+00
5135	491363.09	3864377.25	4.58585	5.22139	0.3429	0.22924	7.50E-01	4.05E+00	6.65E-02	1.69E-02	4.88E+00	7.39E-01	1.75E-04	7.29E-04	4.93E-04	7.40E-01	8.97E-01	4.05E+00	6.65E-02	1.69E-02	5.03E+00
5136	491863.09	3864377.25	3.31421	1.33326	0.3273	0.2113	5.42E-01	1.03E+00	6.35E-02	1.56E-02	1.66E+00	5.34E-01	4.48E-05	6.96E-04	4.55E-04	5.35E-01	6.49E-01	1.03E+00	6.35E-02	1.56E-02	1.76E+00
5137	492363.09	3864377.25	5.00516	3.91068	0.3378	0.28967	8.19E-01	3.03E+00	6.55E-02	2.13E-02	3.94E+00	8.06E-01	1.31E-04	7.18E-04	6.24E-04	8.08E-01	9.79E-01	3.03E+00	6.55E-02	2.13E-02	4.10E+00
5138	492863.09	3864377.25	4.23153	2.09175	0.3197	0.31839	6.92E-01	1.62E+00	6.20E-02	2.34E-02	2.40E+00	6.82E-01	7.03E-05	6.80E-04	6.85E-04	6.83E-01	8.28E-01	1.62E+00	6.20E-02	2.34E-02	2.54E+00
5139	493363.09	3864377.25	3.82503	3.62133	0.3406	0.29367	6.26E-01	2.81E+00	6.60E-02	2.16E-02	3.52E+00	6.16E-01	1.22E-04	7.24E-04	6.32E-04	6.18E-01	7.48E-01	2.81E+00	6.60E-02	2.16E-02	3.65E+00
5140	493863.09	3864377.25	4.20653	3.94684	0.3583	0.35314	6.88E-01	3.06E+00	6.95E-02	2.60E-02	3.85E+00	6.78E-01	1.33E-04	7.62E-04	7.60E-04	6.79E-01	8.23E-01	3.06E+00	6.95E-02	2.60E-02	3.98E+00
5141	494363.09	3864377.25	4.27501	4.03962	0.3709	0.37976	6.99E-01	3.13E+00	7.19E-02	2.80E-02	3.93E+00	6.89E-01	1.36E-04	7.88E-04	8.18E-04	6.91E-01	8.37E-01	3.13E+00	7.19E-02	2.80E-02	4.07E+00
5142	494863.09	3864377.25	4.10766	4.33967	0.4599	0.31385	6.72E-01	3.37E+00	8.92E-02	2.31E-02	4.15E+00	6.62E-01	1.46E-04	9.78E-04	6.76E-04	6.64E-01	8.04E-01	3.37E+00	8.92E-02	2.31E-02	4.28E+00
5143	495363.09	3864377.25	3.93552	4.13916	0.5623	0.3255	6.44E-01	3.21E+00	1.09E-01	2.40E-02	3.99E+00	6.34E-01	1.39E-04	1.20E-03	7.01E-04	6.36E-01	7.70E-01	3.21E+00	1.09E-01	2.40E-02	4.11E+00
5144	495863.09	3864377.25	3.13381	3.93805	0.6872	0.26931	5.13E-01	3.05E+00	1.33E-01	1.98E-02	3.72E+00	5.05E-01	1.32E-04	1.46E-03	5.80E-04	5.07E-01	6.13E-01	3.05E+00	1.33E-01	1.98E-02	3.82E+00
5145	496363.09	3864377.25	3.24859	3.78787	0.6671	0.29977	5.31E-01	2.94E+00	1.29E-01	2.21E-02	3.62E+00	5.23E-01	1.27E-04	1.42E-03	6.45E-04	5.26E-01	6.36E-01	2.94E+00	1.29E-01	2.21E-02	3.73E+00
5146	496863.09	3864377.25	2.80169	3.72758	0.5836	0.33403	4.58E-01	2.89E+00	1.13E-01	2.46E-02	3.49E+00	4.51E-01	1.25E-04	1.24E-03	7.19E-04	4.54E-01	5.48E-01	2.89E+00	1.13E-01	2.46E-02	3.58E+00
5147	497363.09	3864377.25	3.03225	3.53471	0.5607	0.36663	4.96E-01	2.74E+00	1.09E-01	2.70E-02	3.37E+00	4.89E-01	1.19E-04	1.19E-03	7.89E-04	4.91E-01	5.93E-01	2.74E+00	1.09E-01	2.70E-02	3.47E+00
5148	497863.09	3864377.25	2.9198	3.41523	0.5198	0.44823	4.78E-01	2.65E+00	1.01E-01	3.30E-02	3.26E+00	4.70E-01	1.15E-04	1.11E-03	9.65E-04	4.73E-01	5.71E-01	2.65E+00	1.01E-01	3.30E-02	3.35E+00
5149	498363.09	3864377.25	2.60703	3.21107	0.5084	0.43517	4.26E-01	2.49E+00	9.86E-02	3.20E-02	3.05E+00	4.20E-01	1.08E-04	1.08E-03	9.37E-04	4.22E-01	5.10E-01	2.49E+00	9.86E-02	3.20E-02	3.13E+00
5150	471363.09	3864877.25	1.50595	1.12077	0.5064	0.64277	2.46E-01	8.69E-01	9.82E-02	4.73E-02	1.26E+00	2.43E-01	3.76E-05	1.08E-03	1.38E-03	2.45E-01	2.95E-01	8.69E-01	9.82E-02	4.73E-02	1.31E+00
5151	471863.09	3864877.25	1.52226	1.1641	0.4921	0.63909	2.49E-01	9.03E-01	9.54E-02	4.71E-02	1.29E+00	2.45E-01	3.91E-05	1.05E-03	1.38E-03	2.48E-01	2.98E-01	9.03E-01	9.54E-02	4.71E-02	1.34E+00
5152	472363.09	3864877.25	1.54725	1.221	0.4947	0.61495	2.53E-01	9.47E-01	9.59E-02	4.53E-02	1.34E+00	2.49E-01	4.10E-05	1.05E-03	1.32E-03	2.52E-01	3.03E-01	9.47E-01	9.59E-02	4.53E-02	1.39E+00
5153	472863.09	3864877.25	1.48721	1.20014	0.4532	0.56762	2.43E-01	9.31E-01	8.79E-02	4.18E-02	1.30E+00	2.40E-01	4.03E-05	9.64E-04	1.22E-03	2.42E-01	2.91E-01	9.31E-01	8.79E-02	4.18E-02	1.35E+00
5154	473363.09	3864877.25	1.49589	1.2355	0.4737	0.55405	2.45E-01	9.58E-01	9.18E-02	4.08E-02	1.34E+00	2.41E-01	4.15E-05	1.01E-03	1.19E-03	2.43E-01	2.93E-01	9.58E-01	9.18E-02	4.08E-02	1.38E+00
5155	473863.09	3864877.25	1.54153	1.29386	0.4661	0.53134	2.52E-01	1.00E+00	9.04E-02	3.91E-02	1.39E+00	2.48E-01	4.35E-05	9.91E-04	1.14E-03	2.51E-01	3.02E-01	1.00E+00	9.04E-02	3.91E-02	1.43E+00
5156	474363.09	3864877.25	1.68906	1.34838	0.4601	0.52195	2.76E-01	1.05E+00	8.92E-02	3.84E-02	1.45E+00	2.72E-01	4.53E-05	9.78E-04	1.12E-03	2.74E-01	3.31E-01	1.05E+00	8.92E-02	3.84E-02	1.50E+00
5157	474863.09	3864877.25	1.74654	1.3366	0.4247	0.53628	2.86E-01	1.04E+00	8.24E-02	3.95E-02	1.44E+00	2.81E-01	4.49E-05	9.03E-04	1.15E-03	2.84E-01	3.42E-01	1.04E+00	8.24E-02	3.95E-02	1.50E+00
5158	475363.09	3864877.25	1.76318	1.39458	0.3964	0.5833	2.88E-01	1.08E+00	7.69E-02	4.29E-02	1.49E+00	2.84E-01	4.68E-05	8.43E-04	1.26E-03	2.86E-01	3.45E-01	1.08E+00	7.69E-02	4.29E-02	1.55E+00
5159	475863.09	3864877.25	1.77941	1.39626	0.3848	0.58995	2.91E-01	1.08E+00	7.46E-02	4.34E-02	1.49E+00	2.87E-01	4.69E-05	8.18E-04	1.27E-03	2.89E-01	3.48E-01	1.08E+00	7.46E-02	4.34E-02	1.55E+00
5160	476363.09	3864877.25	1.82623	1.40861	0.3914	0.59619	2.99E-01	1.09E+00	7.59E-02	4.39E-02	1.51E+00	2.94E-01	4.73E-05	8.32E-04	1.28E-03	2.96E-01	3.57E-01	1.09E+00	7.59E-02	4.39E-02	1.57E+00
5161	476863.09	3864877.25	1.88703	1.43528	0.3857	0.6027	3.09E-01	1.11E+00	7.48E-02	4.44E-02	1.54E+00	3.04E-01	4.82E-05	8.20E-04	1.30E-03	3.06E-01	3.69E-01	1.11E+00	7.48E-02	4.44E-02	1.60E+00
5162	477363.09	3864877.25	1.95833	1.43602	0.3686	0.57649	3.20E-01	1.11E+00	7.15E-02	4.24E-02	1.55E+00	3.16E-01	4.82E-05	7.84E-04	1.24E-03	3.18E-01	3.83E-01	1.11E+00	7.15E-02	4.24E-02	1.61E+00
5163	477863.09	3864877.25	1.99461	1.45291	0.316	0.58188	3.26E-01	1.13E+00	6.13E-02	4.28E-02	1.56E+00	3.21E-01	4.88E-05	6.72E-04	1.25E-03	3.23E-01	3.90E-01	1.13E+00	6.13E-02	4.28E-02	1.62E+00
5164	478363.09	3864877.25	2.04453	1.49863	0.3293	0.6535	3.34E-01	1.16E+00	6.39E-02	4.81E-02	1.61E+00	3.29E-01	5.03E-05	7.00E-04	1.41E-03	3.32E-01	4.00E-01	1.16E+00	6.39E-02	4.81E-02	1.67E+00
5165	478863.09	3864877.25	1.99055	1.48631	0.3513	0.57689	3.26E-01	1.15E+00	6.81E-02	4.25E-02	1.59E+00	3.21E-01	4.99E-05	7.47E-04	1.24E-03	3.23E-01	3.90E-01	1.15E+00	6.81E-02	4.25E-02	1.65E+00
5166	479363.09	3864877.25	2.04496	1.45272	0.351	0.52541	3.34E-01	1.13E+00	6.81E-02	3.87E-02	1.57E+00	3.30E-01	4.88E-05	7.46E-04	1.13E-03	3.31E-01	4.00E-01	1.13E+00	6.81E-02	3.87E-02	1.63E+00
5167	479863.09	3864877.25	2.12052	1.48835	0.351	0.54004	3.47E-01	1.15E+00	6.81E-02	3.98E-02	1.61E+00	3.42E-01	5.00E-05	7.46E-04	1.16E-03	3.44E-01	4.15E-01	1.15E+00	6.81E-02	3.98E-02	1.68E+00
5168	480363.09	3864877.25	2.28302	1.48905	0.4077	0.49892	3.73E-01	1.16E+00	7.91E-02	3.67E-02	1.64E+00	3.68E-01	5.00E-05	8.67E-04	1.07E-03	3.70E-01	4.47E-01	1.16E+00	7.91E-02	3.67E-02	1.72E+00
5169	480863.09	3864877.25	2.41868	1.50519	0.3512	0.44515	3.96E-01	1.17E+00	6.81E-02	3.28E-02	1.66E+00	3.90E-01	5.06E-05	7.47E-04	9.58E-04	3.91E-01	4.73E-01	1.17E+00	6.81E-02	3.28E-02	1.74E+00
5170	481363.09	3864877.25	2.48981	1.56255	0.3249	0.4402	4.07E-01	1.21E+00	6.30E-02	3.24E-02	1.71E+00	4.01E-01	5.25E-05	6.91E-04	9.48E-04	4.03E-01	4.87E-01	1.21E+00	6.30E-02	3.24E-02	1.79E+00
5171	481863.09	3864877.25	2.42331	1.68923	0.313	0.4256	3.96E-01	1.31E+00	6.07E-02	3.13E-02	1.80E+00	3.90E-01	5.67E-05	6.66E-04	9.16E-04	3.92E-01	4.74E-01	1.31E+00	6.07E-02	3.13E-02	1.88E+00
5172	482363.09	3864877.25	2.48104	1.71269	0.3122	0.41472	4.06E-01	1.33E+00	6.05E-02	3.05E-02	1.83E+00	4.00E-01	5.75E-05	6.64E-04	8.93E-04	4.01E-01	4.85E-01	1.33E+00	6.05E-02	3.05E-02	1.91E+00
5173	482863.09	3864877.25	2.45397	1.8127	0.3562	0.38716	4.01E-01	1.41E+00	6.91E-02	2.85E-02	1.91E+00	3.95E-01	6.09E-05	7.57E-04	8.33E-04	3.97E-01	4.80E-01	1.41E+00	6.91E-02	2.85E-02	1.98E+00
5174	483363.09	3864877.25	2.75263	1.957	0.3579	0.35584	4.50E-01	1.52E+00	6.94E-02	2.62E-02	2.06E+00	4.44E-01	6.57E-05	7.61E-04	7.66E-04	4.45E-01	5.39E-01	1.52E+00	6.94E-02	2.62E-02	2.15E+00
5175	483863.09	3864877.25	2.68842	2.12387	0.444	0.37044	4.40E-01	1.65E+00	8.61E-02	2.73E-02	2.20E+00	4.33E-01	7.13E-05	9.44E-04	7.97E-04	4.35E-01	5.26E-01	1.65E+00	8.61E-02	2.73E-02	2.29E+00
5176	484363.09	3864877.25	2.83517	2.01721	0.3613	0.38787	4.64E-01	1.56E+00	7.01E-02	2.86E-02	2.13E+00	4.57E-01	6.78E-05	7.68E-04	8.35E-04	4.59E-01	5.55E-01	1.56E+00	7.01E-02	2.86E-02	2.22E+00
5177	484863.09	3864877.25	2.72859	2.16869	0.3566	0.43361	4.46E-01	1.68E+00	6.91E-02	3.19E-02	2.23E+00	4.40E-01	7.28E-05	7.58E-04	9.33E-04	4.41E-01	5.34E-01	1.68E+00	6.91E-02	3.19E-02	2.32E+00
5178	485363.09	3864877.25	2.70136	2.49025	0.3479	0.35017	4.42E-01	1.93E+00	6.75E-02	2.58E-02	2.47E+00	4.35E-01	8.37E-05	7.40E-04	7.54E-04	4.37E-01	5.29E-01	1.93E+00	6.75E-02	2.58E-02	2.55E+00
5179	485863.09	3864877.25	2.80781	2.51611	0.3227	0.25823	4.59E-01	1.95E+00	6.26E-02	1.90E-02	2.49E+00	4.52E-01	8.45E-05	6.86E-04	5.56E-04	4.54E-01	5.49E-01	1.95E+00	6.26E-02	1.90E-02	2.58E+00
5180	486363.09	3864877.25	3.02554	2.33086	0.3134	0.23522	4.95E-01	1.81E+00	6.08E-02	1.73E-02	2.38E+00	4.88E-01	7.83E-05	6.66E-04	5.06E-04	4.89E-01	5.92E-01	1.81E+00	6.08E-02	1.73E-02	2.48E+00
5181	486863.09	3864877.25	3.02802	2.7284	0.3017	0.24662	4.95E-01	2.12E+00	5.85E-02	1.82E-02	2.69E+00	4.88E-01	9.17E-05	6.41E-04	5.31E-04	4.89E-01	5.93E-01	2.12E+00	5.85E-02	1.82E-02	2.79E+00

5182	487363.09	3864877.25	3.04411	2.80152	0.3331	0.19963	4.98E-01	2.17E+00	6.46E-02	1.47E-02	2.75E+00	4.91E-01	9.41E-05	7.08E-04	4.30E-04	4.92E-01	5.96E-01	2.17E+00	6.46E-02	1.47E-02	2.85E+00
5183	487863.09	3864877.25	3.28654	2.72983	0.3396	0.20283	5.38E-01	2.12E+00	6.58E-02	1.49E-02	2.74E+00	5.30E-01	9.17E-05	7.22E-04	4.37E-04	5.31E-01	6.43E-01	2.12E+00	6.58E-02	1.49E-02	2.84E+00
5184	488363.09	3864877.25	3.77001	2.87321	0.3396	0.20869	6.17E-01	2.23E+00	6.59E-02	1.54E-02	2.93E+00	6.07E-01	9.65E-05	7.22E-04	4.49E-04	6.09E-01	7.38E-01	2.23E+00	6.59E-02	1.54E-02	3.05E+00
5185	488863.09	3864877.25	3.93879	3.11721	0.3459	0.21443	6.44E-01	2.42E+00	6.71E-02	1.58E-02	3.15E+00	6.35E-01	1.05E-04	7.36E-04	4.62E-04	6.36E-01	7.71E-01	2.42E+00	6.71E-02	1.58E-02	3.27E+00
5186	489363.09	3864877.25	3.74493	3.37677	0.3247	0.20224	6.13E-01	2.62E+00	6.30E-02	1.49E-02	3.31E+00	6.03E-01	1.13E-04	6.90E-04	4.35E-04	6.05E-01	7.33E-01	2.62E+00	6.30E-02	1.49E-02	3.43E+00
5187	489863.09	3864877.25	3.51115	3.52708	0.2998	0.20967	5.74E-01	2.74E+00	5.81E-02	1.54E-02	3.38E+00	5.66E-01	1.18E-04	6.37E-04	4.51E-04	5.67E-01	6.87E-01	2.74E+00	5.81E-02	1.54E-02	3.50E+00
5188	490363.09	3864877.25	3.68141	3.63476	0.2851	0.21061	6.02E-01	2.82E+00	5.53E-02	1.55E-02	3.49E+00	5.93E-01	1.22E-04	6.06E-04	4.53E-04	5.94E-01	7.20E-01	2.82E+00	5.53E-02	1.55E-02	3.61E+00
5189	490863.09	3864877.25	4.11237	3.92065	0.3064	0.18871	6.73E-01	3.04E+00	5.94E-02	1.39E-02	3.79E+00	6.63E-01	1.32E-04	6.51E-04	4.06E-04	6.64E-01	8.05E-01	3.04E+00	5.94E-02	1.39E-02	3.92E+00
5190	491363.09	3864877.25	4.0089	4.39942	0.32	0.20146	6.56E-01	3.41E+00	6.21E-02	1.48E-02	4.15E+00	6.46E-01	1.48E-04	6.80E-04	4.34E-04	6.47E-01	7.84E-01	3.41E+00	6.21E-02	1.48E-02	4.27E+00
5191	491863.09	3864877.25	4.14075	4.10484	0.3284	0.20077	6.77E-01	3.18E+00	6.37E-02	1.48E-02	3.94E+00	6.67E-01	1.38E-04	6.98E-04	4.32E-04	6.68E-01	8.10E-01	3.18E+00	6.37E-02	1.48E-02	4.07E+00
5192	492363.09	3864877.25	2.0881	0.80129	0.2695	0.18543	3.42E-01	6.22E-01	5.23E-02	1.37E-02	1.03E+00	3.36E-01	2.69E-05	5.73E-04	3.99E-04	3.37E-01	4.09E-01	6.22E-01	5.23E-02	1.37E-02	1.10E+00
5193	492863.09	3864877.25	2.98409	1.21621	0.2905	0.25432	4.88E-01	9.43E-01	5.63E-02	1.87E-02	1.51E+00	4.81E-01	4.09E-05	6.18E-04	5.47E-04	4.82E-01	5.84E-01	9.43E-01	5.63E-02	1.87E-02	1.60E+00
5194	493363.09	3864877.25	2.76679	1.19885	0.2966	0.27923	4.53E-01	9.30E-01	5.75E-02	2.06E-02	1.46E+00	4.46E-01	4.03E-05	6.31E-04	6.01E-04	4.47E-01	5.41E-01	9.30E-01	5.75E-02	2.06E-02	1.55E+00
5195	493863.09	3864877.25	3.54179	3.72021	0.3176	0.25579	5.79E-01	2.89E+00	6.16E-02	1.88E-02	3.55E+00	5.71E-01	1.25E-04	6.75E-04	5.51E-04	5.72E-01	6.93E-01	2.89E+00	6.16E-02	1.88E-02	3.66E+00
5196	494363.09	3864877.25	3.73892	3.79327	0.3342	0.31143	6.12E-01	2.94E+00	6.48E-02	2.29E-02	3.64E+00	6.02E-01	1.27E-04	7.10E-04	6.70E-04	6.04E-01	7.32E-01	2.94E+00	6.48E-02	2.29E-02	3.76E+00
5197	494863.09	3864877.25	3.90378	3.9026	0.339	0.34552	6.39E-01	3.03E+00	6.57E-02	2.54E-02	3.76E+00	6.29E-01	1.31E-04	7.21E-04	7.44E-04	6.31E-01	7.64E-01	3.03E+00	6.57E-02	2.54E-02	3.88E+00
5198	495363.09	3864877.25	3.79833	3.78839	0.4197	0.30334	6.21E-01	2.94E+00	8.14E-02	2.23E-02	3.66E+00	6.12E-01	1.27E-04	8.92E-04	6.53E-04	6.14E-01	7.43E-01	2.94E+00	8.14E-02	2.23E-02	3.79E+00
5199	495863.09	3864877.25	3.69982	3.8875	0.493	0.28852	6.05E-01	3.02E+00	9.56E-02	2.12E-02	3.74E+00	5.96E-01	1.31E-04	1.05E-03	6.21E-04	5.98E-01	7.24E-01	3.02E+00	9.56E-02	2.12E-02	3.86E+00
5200	496363.09	3864877.25	3.07035	3.66915	0.6332	0.24647	5.02E-01	2.85E+00	1.23E-01	1.81E-02	3.49E+00	4.95E-01	1.23E-04	1.35E-03	5.31E-04	4.97E-01	6.01E-01	2.85E+00	1.23E-01	1.81E-02	3.59E+00
5201	496863.09	3864877.25	2.85961	3.50224	0.6109	0.2382	4.68E-01	2.72E+00	1.18E-01	1.75E-02	3.32E+00	4.61E-01	1.18E-04	1.30E-03	5.13E-04	4.63E-01	5.60E-01	2.72E+00	1.18E-01	1.75E-02	3.41E+00
5202	497363.09	3864877.25	2.60798	3.34327	0.5654	0.26444	4.27E-01	2.59E+00	1.10E-01	1.95E-02	3.15E+00	4.20E-01	1.12E-04	1.20E-03	5.69E-04	4.22E-01	5.10E-01	2.59E+00	1.10E-01	1.95E-02	3.23E+00
5203	497863.09	3864877.25	2.64588	3.35556	0.5961	0.27741	4.33E-01	2.60E+00	1.16E-01	2.04E-02	3.17E+00	4.26E-01	1.13E-04	1.27E-03	5.97E-04	4.28E-01	5.18E-01	2.60E+00	1.16E-01	2.04E-02	3.26E+00
5204	498363.09	3864877.25	2.84187	3.1828	0.4931	0.31811	4.65E-01	2.47E+00	9.56E-02	2.34E-02	3.05E+00	4.58E-01	1.07E-04	1.05E-03	6.85E-04	4.60E-01	5.56E-01	2.47E+00	9.56E-02	2.34E-02	3.14E+00
5205	471363.09	3865377.25	1.44025	1.12477	0.4318	0.53971	2.36E-01	8.72E-01	8.37E-02	3.97E-02	1.23E+00	2.32E-01	3.78E-05	9.18E-04	1.16E-03	2.34E-01	2.82E-01	8.73E-01	8.37E-02	3.97E-02	1.28E+00
5206	471863.09	3865377.25	1.42719	1.11942	0.4258	0.51797	2.33E-01	8.68E-01	8.26E-02	3.81E-02	1.22E+00	2.30E-01	3.76E-05	9.05E-04	1.12E-03	2.32E-01	2.79E-01	8.68E-01	8.26E-02	3.81E-02	1.27E+00
5207	472363.09	3865377.25	1.37838	1.1734	0.439	0.49967	2.25E-01	9.10E-01	8.51E-02	3.68E-02	1.26E+00	2.22E-01	3.94E-05	9.33E-04	1.08E-03	2.24E-01	2.70E-01	9.10E-01	8.51E-02	3.68E-02	1.30E+00
5208	472863.09	3865377.25	1.46459	1.21902	0.4327	0.49744	2.40E-01	9.46E-01	8.39E-02	3.66E-02	1.31E+00	2.36E-01	4.09E-05	9.20E-04	1.07E-03	2.38E-01	2.87E-01	9.46E-01	8.39E-02	3.66E-02	1.35E+00
5209	473363.09	3865377.25	1.48614	1.24439	0.4279	0.49239	2.43E-01	9.65E-01	8.30E-02	3.63E-02	1.33E+00	2.39E-01	4.18E-05	9.10E-04	1.06E-03	2.41E-01	2.91E-01	9.65E-01	8.30E-02	3.63E-02	1.38E+00
5210	473863.09	3865377.25	1.61183	1.24287	0.3864	0.51975	2.64E-01	9.64E-01	7.49E-02	3.83E-02	1.34E+00	2.60E-01	4.17E-05	8.22E-04	1.12E-03	2.62E-01	3.15E-01	9.64E-01	7.49E-02	3.83E-02	1.39E+00
5211	474363.09	3865377.25	1.67626	1.2462	0.3484	0.5194	2.74E-01	9.67E-01	6.75E-02	3.82E-02	1.35E+00	2.70E-01	4.19E-05	7.41E-04	1.12E-03	2.72E-01	3.28E-01	9.67E-01	6.75E-02	3.82E-02	1.40E+00
5212	474863.09	3865377.25	1.67677	1.29815	0.3539	0.55143	2.74E-01	1.01E+00	6.86E-02	4.06E-02	1.39E+00	2.70E-01	4.36E-05	7.52E-04	1.19E-03	2.72E-01	3.28E-01	1.01E+00	6.86E-02	4.06E-02	1.44E+00
5213	475363.09	3865377.25	1.70074	1.29523	0.35	0.5577	2.78E-01	1.00E+00	6.79E-02	4.11E-02	1.39E+00	2.74E-01	4.35E-05	7.44E-04	1.20E-03	2.76E-01	3.33E-01	1.00E+00	6.79E-02	4.11E-02	1.45E+00
5214	475863.09	3865377.25	1.73704	1.32511	0.3603	0.54111	2.84E-01	1.03E+00	6.99E-02	3.98E-02	1.42E+00	2.80E-01	4.45E-05	7.66E-04	1.16E-03	2.82E-01	3.40E-01	1.03E+00	6.99E-02	3.98E-02	1.48E+00
5215	476363.09	3865377.25	1.80112	1.32024	0.3423	0.52238	2.95E-01	1.02E+00	6.64E-02	3.85E-02	1.42E+00	2.90E-01	4.43E-05	7.28E-04	1.12E-03	2.92E-01	3.52E-01	1.02E+00	6.64E-02	3.85E-02	1.48E+00
5216	476863.09	3865377.25	1.92013	1.17921	0.2776	0.48647	3.14E-01	9.15E-01	5.38E-02	3.58E-02	1.32E+00	3.09E-01	3.96E-05	5.90E-04	1.05E-03	3.11E-01	3.76E-01	9.15E-01	5.38E-02	3.58E-02	1.38E+00
5217	477363.09	3865377.25	1.91388	1.38617	0.2922	0.54839	3.13E-01	1.08E+00	5.67E-02	4.04E-02	1.49E+00	3.08E-01	4.66E-05	6.21E-04	1.18E-03	3.10E-01	3.75E-01	1.08E+00	5.67E-02	4.04E-02	1.55E+00
5218	477863.09	3865377.25	1.9143	1.36912	0.3294	0.62914	3.13E-01	1.06E+00	6.39E-02	4.63E-02	1.49E+00	3.08E-01	4.60E-05	7.00E-04	1.35E-03	3.11E-01	3.75E-01	1.06E+00	6.39E-02	4.63E-02	1.55E+00
5219	478363.09	3865377.25	1.88411	1.34077	0.3133	0.60508	3.08E-01	1.04E+00	6.07E-02	4.45E-02	1.45E+00	3.04E-01	4.50E-05	6.66E-04	1.30E-03	3.06E-01	3.69E-01	1.04E+00	6.07E-02	4.45E-02	1.51E+00
5220	478863.09	3865377.25	1.88392	1.32991	0.3278	0.50893	3.08E-01	1.03E+00	6.36E-02	3.75E-02	1.44E+00	3.04E-01	4.47E-05	6.97E-04	1.10E-03	3.05E-01	3.69E-01	1.03E+00	6.36E-02	3.75E-02	1.50E+00
5221	479363.09	3865377.25	1.94667	1.3608	0.3377	0.45347	3.18E-01	1.06E+00	6.55E-02	3.34E-02	1.47E+00	3.14E-01	4.57E-05	7.18E-04	9.76E-04	3.15E-01	3.81E-01	1.06E+00	6.55E-02	3.34E-02	1.54E+00
5222	479863.09	3865377.25	2.08786	1.42281	0.3646	0.43262	3.41E-01	1.10E+00	7.07E-02	3.19E-02	1.55E+00	3.36E-01	4.78E-05	7.75E-04	9.31E-04	3.38E-01	4.09E-01	1.10E+00	7.07E-02	3.19E-02	1.61E+00
5223	480363.09	3865377.25	2.21102	1.41823	0.3182	0.50653	3.62E-01	1.10E+00	6.17E-02	3.73E-02	1.56E+00	3.56E-01	4.76E-05	6.77E-04	1.09E-03	3.58E-01	4.33E-01	1.10E+00	6.17E-02	3.73E-02	1.63E+00
5224	480863.09	3865377.25	2.36421	1.46727	0.3003	0.37694	3.87E-01	1.14E+00	5.82E-02	2.78E-02	1.61E+00	3.81E-01	4.93E-05	6.38E-04	8.11E-04	3.82E-01	4.63E-01	1.14E+00	5.82E-02	2.78E-02	1.69E+00
5225	481363.09	3865377.25	2.29812	1.54032	0.2921	0.38575	3.76E-01	1.19E+00	5.66E-02	2.84E-02	1.66E+00	3.70E-01	5.17E-05	6.21E-04	8.30E-04	3.72E-01	4.50E-01	1.19E+00	5.66E-02	2.84E-02	1.73E+00
5226	481863.09	3865377.25	2.3183	1.55398	0.2816	0.35172	3.79E-01	1.21E+00	5.46E-02	2.59E-02	1.67E+00	3.74E-01	5.22E-05	5.99E-04	7.57E-04	3.75E-01	4.54E-01	1.21E+00	5.46E-02	2.59E-02	1.74E+00
5227	482363.09	3865377.25	2.32763	1.65775	0.3402	0.34285	3.81E-01	1.29E+00	6.60E-02	2.52E-02	1.76E+00	3.75E-01	5.57E-05	7.23E-04	7.38E-04	3.77E-01	4.55E-01	1.29E+00	6.60E-02	2.52E-02	1.83E+00
5228	482863.09	3865377.25	2.36981	1.76715	0.313	0.31228	3.88E-01	1.37E+00	6.07E-02	2.30E-02	1.84E+00	3.82E-01	5.94E-05	6.65E-04	6.72E-04	3.83E-01	4.64E-01	1.37E+00	6.07E-02	2.30E-02	1.92E+00
5229	483363.09	3865377.25	2.60155	1.8537	0.3901	0.30013	4.26E-01	1.44E+00	7.56E-02	2.21E-02	1.96E+00	4.19E-01	6.23E-05	8.29E-04	6.46E-04	4.21E-01	5.09E-01	1.44E+00	7.56E-02	2.21E-02	2.04E+00
5230	483863.09	3865377.25	2.60135	1.86997	0.3782	0.3473	4.25E-01	1.45E+00	7.33E-02	2.56E-02	1.97E+00	4.19E-01	6.28E-05	8.04E-04	7.48E-04	4.21E-01	5.09E-01	1.45E+00	7.33E-02	2.56E-02	2.06E+00
5231	484363.09	3865377.25	2.67256	1.92672	0.3077	0.3982	4.37E-01	1.49E+00	5.97E-02	2.93E-02	2.02E+00	4.31E-01	6.47E-05	6.54E-04	8.57E-04	4.32E-01	5.23E-01	1.49E+00	5.97E-02	2.93E-02	2.11E+00
5232	484863.09	3865377.25	2.55478	2.14789	0.319	0.35496	4.18E-01	1.67E+00	6.19E-02	2.61E-02	2.17E+00	4.12E-01	7.22E-05	6.78E-04	7.64E-04	4.13E-01	5.00E-01	1.67E+00	6.19E-02	2.61E-02	2.25E+00
5233	485363.09	3865377.25	2.54079	2.2366	0.3198	0.31351	4.16E-01	1.73E+00	6.20E-02	2.31E-02	2.24E+00	4.09E-01	7.51E-05	6.80E-04	6.75E-04	4.11E-01	4.97E-01	1.74E+00	6.20E-02	2.31E-02	2.32E+00
5234	485863.09	3865377.25	2.66922	2.20297	0.296	0.24964	4.37E-01	1.71E+00	5.74E-02	1.84E-02	2.22E+00	4.30E-01	7.40E-05	6.29E-04	5.37E-04	4.31E-01	5.22E-01	1.71E+00	5.74E-02	1.84E-02	2.31E+00
5235	486363.09	3865377.25	2.80903	2.20426	0.2902	0.21021	4.59E-01	1.71E+00	5.63E-02	1.55E-02	2.24E+00	4.53E-01	7.40E-05	6.17E-04	4.53E-04	4.54E-01	5.50E-01	1.71E+00	5.63E-02	1.55E-02	2.33E+00
5236	486863.09	3865377.25	2.81114	2.64475	0.2836	0.2283	4.60E-01	2.05E+00	5.50E-02	1.68E-02	2.58E+00	4.53E-01	8.88E-05	6.03E-04	4.91E-04	4.54E-01	5.50E-01	2.05E+00	5.50E-02	1.68E-02	2.67E+00
5237	487363.09	3865377.25	2.85005	2.55085	0.3133	0.18599	4.66E-01	1.98E+00	6.07E-02	1.37E-02	2.52E+00	4.59E-01	8.57E-05	6.66E-04	4.00E-04	4.60E-01	5.58E-01	1.98E+00	6.07E-02	1.37E-02	2.61E+00
5238	487863.09	3865377.25	3.03366	2.542	0.3189	0.18216	4.96E-01	1.97E+00	6.18E-02	1.34E-02	2.54E+00	4.89E-01	8.54E-05	6.78E-04	3.92E-04	4.90E-01	5.94E-01	1.97E+00	6.18E-02	1.34E-02	2.64E+00
5239	488363.09	3865377.25	3.40949	2.64821	0.3193	0.18385	5.58E-01	2.05E+00	6.19E-02	1.35E-02	2.69E+00	5.49E-01	8.90E-05	6.79E-04	3.96E-04	5.51E-01	6.67E-01	2.05E+00	6.19E-02	1.35E-02	2.80E+00
5240	488863.09	3865377.25	3.67991	2.83067	0.3237	0.19185	6.02E-01	2.20E+00	6.28E-02	1.41E-02	2.87E+00	5.93E-01	9.51E-05	6.88E-04	4.13E-04	5.94E-01	7.20E-01	2.20E+00	6.28E-02	1.41E-02	2.99E+00
5241	489363.09	3865377.25	3.63002	3.04041	0.3089	0.18733	5.94E-01	2.36E+00	5.99E-02	1.38E-02	3.03E+00	5.85E-01	1.02E-04	6.57E-04	4.03E-04	5.86E-01	7.10E-01	2.36E+00	5.99E-02	1.38E-02	3.14E+00
5242	489863.09	3865377.25	3.54754	3.18106	0.3057	0.17463	5.80E-01	2.47E+00	5.93E-02	1.29E-02	3.12E+00	5.72E-01	1.07E-04	6.50E-04	3.76E-04	5.73E-01	6.94E-01	2.47E+00	5.93E-02	1.29E-02	3.23E+00

5243	490363.09	3865377.25	3.27959	3.1372	0.2729	0.19575	5.36E-01	2.43E+00	5.29E-02	1.44E-02	3.04E+00	5.28E-01	1.05E-04	5.80E-04	4.21E-04	5.30E-01	6.42E-01	2.43E+00	5.29E-02	1.44E-02	3.14E+00
5244	490863.09	3865377.25	3.65299	3.29012	0.2657	0.18745	5.97E-01	2.55E+00	5.15E-02	1.38E-02	3.21E+00	5.89E-01	1.11E-04	5.65E-04	4.04E-04	5.90E-01	7.15E-01	2.55E+00	5.15E-02	1.38E-02	3.33E+00
5245	491363.09	3865377.25	3.91512	3.46381	0.2661	0.16562	6.40E-01	2.69E+00	5.16E-02	1.22E-02	3.39E+00	6.31E-01	1.16E-04	5.66E-04	3.57E-04	6.32E-01	7.66E-01	2.69E+00	5.16E-02	1.22E-02	3.52E+00
5246	491863.09	3865377.25	3.91093	3.49442	0.2747	0.18271	6.40E-01	2.71E+00	5.33E-02	1.35E-02	3.42E+00	6.30E-01	1.17E-04	5.84E-04	3.93E-04	6.31E-01	7.65E-01	2.71E+00	5.33E-02	1.35E-02	3.54E+00
5247	492363.09	3865377.25	3.51045	2.40304	0.3054	0.17645	5.74E-01	1.86E+00	5.92E-02	1.30E-02	2.51E+00	5.66E-01	8.07E-05	6.49E-04	3.80E-04	5.67E-01	6.87E-01	1.86E+00	5.92E-02	1.30E-02	2.62E+00
5248	492863.09	3865377.25	3.45669	1.4398	0.2707	0.17126	5.65E-01	1.12E+00	5.25E-02	1.26E-02	1.75E+00	5.57E-01	4.84E-05	5.76E-04	3.69E-04	5.58E-01	6.76E-01	1.12E+00	5.25E-02	1.26E-02	1.86E+00
5249	493363.09	3865377.25	2.68069	1.10787	0.2695	0.22852	4.38E-01	8.59E-01	5.23E-02	1.68E-02	1.37E+00	4.32E-01	3.72E-05	5.73E-04	4.92E-04	4.33E-01	5.25E-01	8.59E-01	5.23E-02	1.68E-02	1.45E+00
5250	493863.09	3865377.25	3.83998	2.33802	0.2935	0.24938	6.28E-01	1.81E+00	5.69E-02	1.84E-02	2.52E+00	6.19E-01	7.85E-05	6.24E-04	5.37E-04	6.20E-01	7.51E-01	1.81E+00	5.69E-02	1.84E-02	2.64E+00
5251	494363.09	3865377.25	3.08486	3.84419	0.2979	0.22239	5.05E-01	2.98E+00	5.78E-02	1.64E-02	3.56E+00	4.97E-01	1.29E-04	6.33E-04	4.79E-04	4.98E-01	6.04E-01	2.98E+00	5.78E-02	1.64E-02	3.66E+00
5252	494863.09	3865377.25	3.51883	3.55751	0.3119	0.27774	5.76E-01	2.76E+00	6.05E-02	2.04E-02	3.42E+00	5.67E-01	1.20E-04	6.63E-04	5.98E-04	5.68E-01	6.89E-01	2.76E+00	6.05E-02	2.04E-02	3.53E+00
5253	495363.09	3865377.25	3.57043	3.7545	0.3085	0.30781	5.84E-01	2.91E+00	5.98E-02	2.27E-02	3.58E+00	5.75E-01	1.26E-04	6.56E-04	6.63E-04	5.77E-01	6.99E-01	2.91E+00	5.98E-02	2.27E-02	3.69E+00
5254	495863.09	3865377.25	3.48471	3.37718	0.3851	0.28029	5.70E-01	2.62E+00	7.47E-02	2.06E-02	3.28E+00	5.61E-01	1.13E-04	8.19E-04	6.03E-04	5.63E-01	6.82E-01	2.62E+00	7.47E-02	2.06E-02	3.40E+00
5255	496363.09	3865377.25	3.54011	3.61996	0.3686	0.26003	5.79E-01	2.81E+00	7.15E-02	1.91E-02	3.48E+00	5.70E-01	1.22E-04	7.84E-04	5.60E-04	5.72E-01	6.93E-01	2.81E+00	7.15E-02	1.91E-02	3.59E+00
5256	496863.09	3865377.25	2.86087	3.39365	0.5561	0.23345	4.68E-01	2.63E+00	1.08E-01	1.72E-02	3.23E+00	4.61E-01	1.14E-04	1.18E-03	5.03E-04	4.63E-01	5.60E-01	2.63E+00	1.08E-01	1.72E-02	3.32E+00
5257	497363.09	3865377.25	2.57182	3.26262	0.5964	0.21422	4.21E-01	2.53E+00	1.16E-01	1.58E-02	3.08E+00	4.14E-01	1.10E-04	1.27E-03	4.61E-04	4.16E-01	5.03E-01	2.53E+00	1.16E-01	1.58E-02	3.17E+00
5258	497863.09	3865377.25	2.5611	2.99958	0.5401	0.20457	4.19E-01	2.33E+00	1.05E-01	1.51E-02	2.87E+00	4.13E-01	1.01E-04	1.15E-03	4.40E-04	4.14E-01	5.01E-01	2.33E+00	1.05E-01	1.51E-02	2.95E+00
5259	498363.09	3865377.25	2.34476	3.08533	0.4931	0.21612	3.84E-01	2.39E+00	9.56E-02	1.59E-02	2.89E+00	3.78E-01	1.04E-04	1.05E-03	4.65E-04	3.79E-01	4.59E-01	2.39E+00	9.56E-02	1.59E-02	2.96E+00
5260	471363.09	3865877.25	1.31634	1.10619	0.4102	0.47351	2.15E-01	8.58E-01	7.95E-02	3.49E-02	1.19E+00	2.12E-01	3.72E-05	8.72E-04	1.02E-03	2.14E-01	2.58E-01	8.58E-01	7.95E-02	3.49E-02	1.23E+00
5261	471863.09	3865877.25	1.31838	1.13894	0.4096	0.46857	2.16E-01	8.83E-01	7.94E-02	3.45E-02	1.21E+00	2.12E-01	3.83E-05	8.71E-04	1.01E-03	2.14E-01	2.58E-01	8.84E-01	7.94E-02	3.45E-02	1.26E+00
5262	472363.09	3865877.25	1.38783	1.1691	0.3933	0.48005	2.27E-01	9.07E-01	7.63E-02	3.53E-02	1.25E+00	2.24E-01	3.93E-05	8.36E-04	1.03E-03	2.26E-01	2.72E-01	9.07E-01	7.63E-02	3.53E-02	1.29E+00
5263	472863.09	3865877.25	1.40028	1.15421	0.3636	0.50238	2.29E-01	8.95E-01	7.05E-02	3.70E-02	1.23E+00	2.26E-01	3.88E-05	7.73E-04	1.08E-03	2.28E-01	2.74E-01	8.95E-01	7.05E-02	3.70E-02	1.28E+00
5264	473363.09	3865877.25	1.53675	1.14218	0.3149	0.50083	2.51E-01	8.86E-01	6.11E-02	3.69E-02	1.24E+00	2.48E-01	3.84E-05	6.70E-04	1.08E-03	2.49E-01	3.01E-01	8.86E-01	6.11E-02	3.69E-02	1.28E+00
5265	473863.09	3865877.25	1.56088	1.19015	0.3218	0.50572	2.55E-01	9.23E-01	6.24E-02	3.72E-02	1.28E+00	2.52E-01	4.00E-05	6.84E-04	1.09E-03	2.53E-01	3.05E-01	9.23E-01	6.24E-02	3.72E-02	1.33E+00
5266	474363.09	3865877.25	1.60789	1.20108	0.3172	0.52945	2.63E-01	9.32E-01	6.15E-02	3.90E-02	1.30E+00	2.59E-01	4.03E-05	6.74E-04	1.14E-03	2.61E-01	3.15E-01	9.32E-01	6.15E-02	3.90E-02	1.35E+00
5267	474863.09	3865877.25	1.62712	1.23907	0.3369	0.50501	2.66E-01	9.61E-01	6.53E-02	3.72E-02	1.33E+00	2.62E-01	4.16E-05	7.16E-04	1.09E-03	2.64E-01	3.18E-01	9.61E-01	6.53E-02	3.72E-02	1.38E+00
5268	475363.09	3865877.25	1.65163	1.24647	0.3267	0.46543	2.70E-01	9.67E-01	6.33E-02	3.43E-02	1.33E+00	2.66E-01	4.19E-05	6.95E-04	1.00E-03	2.68E-01	3.23E-01	9.67E-01	6.33E-02	3.43E-02	1.39E+00
5269	475863.09	3865877.25	1.68321	1.24811	0.3178	0.46515	2.75E-01	9.68E-01	6.16E-02	3.42E-02	1.34E+00	2.71E-01	4.19E-05	6.76E-04	1.00E-03	2.73E-01	3.29E-01	9.68E-01	6.16E-02	3.42E-02	1.39E+00
5270	476363.09	3865877.25	1.79844	1.23719	0.2644	0.50146	2.94E-01	9.60E-01	5.13E-02	3.69E-02	1.34E+00	2.90E-01	4.16E-05	5.62E-04	1.08E-03	2.91E-01	3.52E-01	9.60E-01	5.13E-02	3.69E-02	1.40E+00
5271	476863.09	3865877.25	1.83196	1.14151	0.2748	0.49924	3.00E-01	8.85E-01	5.33E-02	3.68E-02	1.28E+00	2.95E-01	3.83E-05	5.84E-04	1.07E-03	2.97E-01	3.58E-01	8.86E-01	5.33E-02	3.68E-02	1.33E+00
5272	477363.09	3865877.25	1.86395	1.27232	0.3105	0.61613	3.05E-01	9.87E-01	6.02E-02	4.54E-02	1.40E+00	3.00E-01	4.27E-05	6.60E-04	1.33E-03	3.02E-01	3.65E-01	9.87E-01	6.02E-02	4.54E-02	1.46E+00
5273	477863.09	3865877.25	1.78198	1.21881	0.2879	0.60266	2.91E-01	9.45E-01	5.58E-02	4.44E-02	1.34E+00	2.87E-01	4.09E-05	6.12E-04	1.30E-03	2.89E-01	3.49E-01	9.45E-01	5.58E-02	4.44E-02	1.39E+00
5274	478363.09	3865877.25	1.7708	1.25498	0.3034	0.49104	2.90E-01	9.73E-01	5.88E-02	3.62E-02	1.36E+00	2.85E-01	4.22E-05	6.45E-04	1.06E-03	2.87E-01	3.47E-01	9.74E-01	5.88E-02	3.62E-02	1.42E+00
5275	478863.09	3865877.25	1.81092	1.25067	0.3132	0.42526	2.96E-01	9.70E-01	6.07E-02	3.13E-02	1.36E+00	2.92E-01	4.20E-05	6.66E-04	9.15E-04	2.93E-01	3.54E-01	9.70E-01	6.07E-02	3.13E-02	1.42E+00
5276	479363.09	3865877.25	1.89906	1.29025	0.3322	0.45161	3.11E-01	1.00E+00	6.44E-02	3.32E-02	1.41E+00	3.06E-01	4.33E-05	7.06E-04	9.72E-04	3.08E-01	3.72E-01	1.00E+00	6.44E-02	3.32E-02	1.47E+00
5277	479863.09	3865877.25	1.98901	1.34809	0.2944	0.4267	3.25E-01	1.05E+00	5.71E-02	3.14E-02	1.46E+00	3.20E-01	4.53E-05	6.26E-04	9.19E-04	3.22E-01	3.89E-01	1.05E+00	5.71E-02	3.14E-02	1.52E+00
5278	480363.09	3865877.25	2.22121	1.37697	0.2788	0.40141	3.63E-01	1.07E+00	5.41E-02	2.96E-02	1.52E+00	3.58E-01	4.63E-05	5.93E-04	8.64E-04	3.59E-01	4.35E-01	1.07E+00	5.41E-02	2.96E-02	1.59E+00
5279	480863.09	3865877.25	2.17085	1.42646	0.2743	0.32084	3.55E-01	1.11E+00	5.32E-02	2.36E-02	1.54E+00	3.50E-01	4.79E-05	5.83E-04	6.91E-04	3.51E-01	4.25E-01	1.11E+00	5.32E-02	2.36E-02	1.61E+00
5280	481363.09	3865877.25	2.19248	1.43539	0.2644	0.32127	3.59E-01	1.11E+00	5.13E-02	2.37E-02	1.55E+00	3.53E-01	4.82E-05	5.62E-04	6.92E-04	3.55E-01	4.29E-01	1.11E+00	5.13E-02	2.37E-02	1.62E+00
5281	481863.09	3865877.25	2.23723	1.50051	0.2987	0.31527	3.66E-01	1.16E+00	5.79E-02	2.32E-02	1.61E+00	3.60E-01	5.04E-05	6.35E-04	6.79E-04	3.62E-01	4.38E-01	1.16E+00	5.79E-02	2.32E-02	1.68E+00
5282	482363.09	3865877.25	2.16903	1.58819	0.289	0.30059	3.55E-01	1.23E+00	5.60E-02	2.21E-02	1.66E+00	3.49E-01	5.33E-05	6.15E-04	6.47E-04	3.51E-01	4.24E-01	1.23E+00	5.60E-02	2.21E-02	1.73E+00
5283	482863.09	3865877.25	2.32983	1.70276	0.328	0.27036	3.81E-01	1.32E+00	6.36E-02	1.99E-02	1.79E+00	3.75E-01	5.72E-05	6.97E-04	5.82E-04	3.77E-01	4.56E-01	1.32E+00	6.36E-02	1.99E-02	1.86E+00
5284	483363.09	3865877.25	2.40575	1.72746	0.3684	0.2911	3.93E-01	1.34E+00	7.14E-02	2.14E-02	1.83E+00	3.88E-01	5.80E-05	7.83E-04	6.27E-04	3.89E-01	4.71E-01	1.34E+00	7.14E-02	2.14E-02	1.90E+00
5285	483863.09	3865877.25	2.51636	1.75025	0.2884	0.32402	4.12E-01	1.36E+00	5.59E-02	2.39E-02	1.85E+00	4.05E-01	5.88E-05	6.13E-04	6.98E-04	4.07E-01	4.92E-01	1.36E+00	5.59E-02	2.39E-02	1.93E+00
5286	484363.09	3865877.25	2.54535	1.83261	0.3058	0.34543	4.16E-01	1.42E+00	5.93E-02	2.54E-02	1.92E+00	4.10E-01	6.16E-05	6.50E-04	7.44E-04	4.12E-01	4.98E-01	1.42E+00	5.93E-02	2.54E-02	2.00E+00
5287	484863.09	3865877.25	2.44568	2.04197	0.2914	0.27486	4.00E-01	1.58E+00	5.65E-02	2.02E-02	2.06E+00	3.94E-01	6.86E-05	6.20E-04	5.92E-04	3.95E-01	4.79E-01	1.58E+00	5.65E-02	2.02E-02	2.14E+00
5288	485363.09	3865877.25	2.41736	2.15054	0.2835	0.28927	3.95E-01	1.67E+00	5.50E-02	2.13E-02	2.14E+00	3.90E-01	7.22E-05	6.03E-04	6.23E-04	3.91E-01	4.73E-01	1.67E+00	5.50E-02	2.13E-02	2.22E+00
5289	485863.09	3865877.25	2.54941	1.9755	0.2786	0.25553	4.17E-01	1.53E+00	5.40E-02	1.88E-02	2.02E+00	4.11E-01	6.64E-05	5.92E-04	5.50E-04	4.12E-01	4.99E-01	1.53E+00	5.40E-02	1.88E-02	2.10E+00
5290	486363.09	3865877.25	2.60557	2.10429	0.2736	0.19502	4.26E-01	1.63E+00	5.30E-02	1.44E-02	2.13E+00	4.20E-01	7.07E-05	5.82E-04	4.20E-04	4.21E-01	5.10E-01	1.63E+00	5.30E-02	1.44E-02	2.21E+00
5291	486863.09	3865877.25	2.66379	2.34527	0.2645	0.21348	4.36E-01	1.82E+00	5.13E-02	1.57E-02	2.32E+00	4.29E-01	7.88E-05	5.62E-04	4.60E-04	4.30E-01	5.21E-01	1.82E+00	5.13E-02	1.57E-02	2.41E+00
5292	487363.09	3865877.25	2.67714	2.28271	0.2953	0.18908	4.38E-01	1.77E+00	5.73E-02	1.39E-02	2.28E+00	4.31E-01	7.67E-05	6.28E-04	4.07E-04	4.32E-01	5.24E-01	1.77E+00	5.73E-02	1.39E-02	2.37E+00
5293	487863.09	3865877.25	2.85161	2.31551	0.3018	0.16763	4.66E-01	1.80E+00	5.85E-02	1.23E-02	2.33E+00	4.59E-01	7.78E-05	6.42E-04	3.61E-04	4.61E-01	5.58E-01	1.80E+00	5.85E-02	1.23E-02	2.43E+00
5294	488363.09	3865877.25	3.04796	2.48196	0.3004	0.17076	4.99E-01	1.93E+00	5.83E-02	1.26E-02	2.49E+00	4.91E-01	8.34E-05	6.39E-04	3.68E-04	4.92E-01	5.96E-01	1.93E+00	5.83E-02	1.26E-02	2.59E+00
5295	488863.09	3865877.25	3.37693	2.57831	0.3041	0.1668	5.52E-01	2.00E+00	5.90E-02	1.23E-02	2.62E+00	5.44E-01	8.66E-05	6.47E-04	3.59E-04	5.45E-01	6.61E-01	2.00E+00	5.90E-02	1.23E-02	2.73E+00
5296	489363.09	3865877.25	3.29927	2.7519	0.2961	0.17567	5.40E-01	2.13E+00	5.74E-02	1.29E-02	2.74E+00	5.32E-01	9.24E-05	6.30E-04	3.78E-04	5.33E-01	6.46E-01	2.13E+00	5.74E-02	1.29E-02	2.85E+00
5297	489863.09	3865877.25	3.2701	2.97942	0.2928	0.16082	5.35E-01	2.31E+00	5.68E-02	1.18E-02	2.91E+00	5.27E-01	1.00E-04	6.23E-04	3.46E-04	5.28E-01	6.40E-01	2.31E+00	5.68E-02	1.18E-02	3.02E+00
5298	490363.09	3865877.25	3.04904	2.99674	0.2804	0.17011	4.99E-01	2.32E+00	5.44E-02	1.25E-02	2.89E+00	4.91E-01	1.01E-04	5.96E-04	3.66E-04	4.92E-01	5.97E-01	2.32E+00	5.44E-02	1.25E-02	2.99E+00
5299	490863.09	3865877.25	3.24763	2.96246	0.2518	0.17602	5.31E-01	2.30E+00	4.88E-02	1.30E-02	2.89E+00	5.23E-01	9.95E-05	5.35E-04	3.79E-04	5.24E-01	6.35E-01	2.30E+00	4.88E-02	1.30E-02	3.00E+00
5300	491363.09	3865877.25	3.863	2.84102	0.2516	0.1603	6.32E-01	2.20E+00	4.88E-02	1.18E-02	2.90E+00	6.22E-01	9.54E-05	5.35E-04	3.45E-04	6.23E-01	7.56E-01	2.20E+00	4.88E-02	1.18E-02	3.02E+00
5301	491863.09	3865877.25	3.91141	2.99494	0.2603	0.15673	6.40E-01	2.32E+00	5.05E-02	1.15E-02	3.02E+00	6.30E-01	1.01E-04	5.54E-04	3.37E-04	6.31E-01	7.65E-01	2.32E+00	5.05E-02	1.15E-02	3.15E+00
5302	492363.09	3865877.25	3.78712	2.72878	0.2726	0.16495	6.19E-01	2.12E+00	5.29E-02	1.21E-02	2.80E+00	6.10E-01	9.17E-05	5.80E-04	3.55E-04	6.11E-01	7.41E-01	2.12E+00	5.29E-02	1.21E-02	2.92E+00
5303	492863.09	3865877.25	2.65114	1.57883	0.2556	0.1575	4.34E-01	1.22E+00	4.96E-02	1.16E-02	1.72E+00	4.27E-01	5.30E-05	5.44E-04	3.39E-04	4.28E-01	5.19E-01	1.22E+00	4.96E-02	1.16E-02	1.80E+00

5304	493363.09	3865877.25	3.46928	1.55226	0.2658	0.16115	5.67E-01	1.20E+00	5.15E-02	1.19E-02	1.83E+00	5.59E-01	5.21E-05	5.65E-04	3.47E-04	5.60E-01	6.79E-01	1.20E+00	5.15E-02	1.19E-02	1.95E+00
5305	493863.09	3865877.25	3.74201	2.39722	0.2503	0.20844	6.12E-01	1.86E+00	4.85E-02	1.53E-02	2.54E+00	6.03E-01	8.05E-05	5.32E-04	4.49E-04	6.04E-01	7.32E-01	1.86E+00	4.85E-02	1.53E-02	2.66E+00
5306	494363.09	3865877.25	3.55178	3.21697	0.2779	0.22452	5.81E-01	2.50E+00	5.39E-02	1.65E-02	3.15E+00	5.72E-01	1.08E-04	5.91E-04	4.83E-04	5.73E-01	6.95E-01	2.50E+00	5.39E-02	1.65E-02	3.26E+00
5307	494863.09	3865877.25	2.7038	4.1026	0.2856	0.20256	4.42E-01	3.18E+00	5.54E-02	1.49E-02	3.69E+00	4.36E-01	1.38E-04	6.07E-04	4.36E-04	4.37E-01	5.29E-01	3.18E+00	5.54E-02	1.49E-02	3.78E+00
5308	495363.09	3865877.25	3.03101	3.53927	0.2885	0.22984	4.96E-01	2.75E+00	5.59E-02	1.69E-02	3.31E+00	4.88E-01	1.19E-04	6.13E-04	4.95E-04	4.90E-01	5.93E-01	2.75E+00	5.59E-02	1.69E-02	3.41E+00
5309	495863.09	3865877.25	3.30771	3.33848	0.2892	0.27875	5.41E-01	2.59E+00	5.61E-02	2.05E-02	3.21E+00	5.33E-01	1.12E-04	6.15E-04	6.00E-04	5.34E-01	6.47E-01	2.59E+00	5.61E-02	2.05E-02	3.31E+00
5310	496363.09	3865877.25	3.33984	3.00916	0.3421	0.2632	5.46E-01	2.33E+00	6.63E-02	1.94E-02	2.97E+00	5.38E-01	1.01E-04	7.27E-04	5.67E-04	5.40E-01	6.54E-01	2.33E+00	6.63E-02	1.94E-02	3.07E+00
5311	496863.09	3865877.25	3.5608	3.00022	0.3387	0.24082	5.82E-01	2.33E+00	6.57E-02	1.77E-02	2.99E+00	5.74E-01	1.01E-04	7.20E-04	5.18E-04	5.75E-01	6.97E-01	2.33E+00	6.57E-02	1.77E-02	3.11E+00
5312	497363.09	3865877.25	2.59475	3.15197	0.4503	0.23196	4.24E-01	2.44E+00	8.73E-02	1.71E-02	2.97E+00	4.18E-01	1.06E-04	9.57E-04	4.99E-04	4.20E-01	5.08E-01	2.45E+00	8.73E-02	1.71E-02	3.06E+00
5313	497863.09	3865877.25	2.3831	2.95725	0.5577	0.19935	3.90E-01	2.29E+00	1.08E-01	1.47E-02	2.81E+00	3.84E-01	9.93E-05	1.19E-03	4.29E-04	3.86E-01	4.66E-01	2.29E+00	1.08E-01	1.47E-02	2.88E+00
5314	498363.09	3865877.25	2.80706	2.80394	0.4489	0.18806	4.59E-01	2.18E+00	8.70E-02	1.38E-02	2.74E+00	4.52E-01	9.42E-05	9.54E-04	4.05E-04	4.54E-01	5.49E-01	2.18E+00	8.70E-02	1.38E-02	2.83E+00
5315	471363.09	3866377.25	1.29224	1.09231	0.3631	0.4753	2.11E-01	8.47E-01	7.04E-02	3.50E-02	1.16E+00	2.08E-01	3.67E-05	7.72E-04	1.02E-03	2.10E-01	2.53E-01	8.47E-01	7.04E-02	3.50E-02	1.21E+00
5316	471863.09	3866377.25	1.32058	1.10587	0.3457	0.48436	2.16E-01	8.58E-01	6.70E-02	3.57E-02	1.18E+00	2.13E-01	3.71E-05	7.35E-04	1.04E-03	2.15E-01	2.58E-01	8.58E-01	6.70E-02	3.57E-02	1.22E+00
5317	472363.09	3866377.25	1.37978	1.096	0.3015	0.49891	2.26E-01	8.50E-01	5.85E-02	3.67E-02	1.17E+00	2.22E-01	3.68E-05	6.41E-04	1.07E-03	2.24E-01	2.70E-01	8.50E-01	5.85E-02	3.67E-02	1.22E+00
5318	472863.09	3866377.25	1.48092	1.09754	0.2822	0.4832	2.42E-01	8.51E-01	5.47E-02	3.56E-02	1.18E+00	2.39E-01	3.69E-05	6.00E-04	1.04E-03	2.40E-01	2.90E-01	8.51E-01	5.47E-02	3.56E-02	1.23E+00
5319	473363.09	3866377.25	1.48636	1.12386	0.2897	0.4934	2.43E-01	8.72E-01	5.62E-02	3.63E-02	1.21E+00	2.39E-01	3.78E-05	6.16E-04	1.06E-03	2.41E-01	2.91E-01	8.72E-01	5.62E-02	3.63E-02	1.26E+00
5320	473863.09	3866377.25	1.52078	1.14858	0.3108	0.50639	2.49E-01	8.91E-01	6.03E-02	3.73E-02	1.24E+00	2.45E-01	3.86E-05	6.61E-04	1.09E-03	2.47E-01	2.98E-01	8.91E-01	6.03E-02	3.73E-02	1.29E+00
5321	474363.09	3866377.25	1.53008	1.17	0.3135	0.46273	2.50E-01	9.08E-01	6.08E-02	3.41E-02	1.25E+00	2.47E-01	3.93E-05	6.66E-04	9.96E-04	2.48E-01	2.99E-01	9.08E-01	6.08E-02	3.41E-02	1.30E+00
5322	474863.09	3866377.25	1.58083	1.17619	0.2985	0.44281	2.59E-01	9.12E-01	5.79E-02	3.26E-02	1.26E+00	2.55E-01	3.95E-05	6.35E-04	9.53E-04	2.56E-01	3.09E-01	9.12E-01	5.79E-02	3.26E-02	1.31E+00
5323	475363.09	3866377.25	1.58777	1.1746	0.2737	0.43744	2.60E-01	9.11E-01	5.31E-02	3.22E-02	1.26E+00	2.56E-01	3.95E-05	5.82E-04	9.42E-04	2.57E-01	3.11E-01	9.11E-01	5.31E-02	3.22E-02	1.31E+00
5324	475863.09	3866377.25	1.62804	1.16749	0.254	0.48208	2.66E-01	9.06E-01	4.92E-02	3.55E-02	1.26E+00	2.62E-01	3.92E-05	5.40E-04	1.04E-03	2.64E-01	3.19E-01	9.06E-01	4.92E-02	3.55E-02	1.31E+00
5325	476363.09	3866377.25	1.72378	1.14585	0.27	0.51975	2.82E-01	8.89E-01	5.24E-02	3.83E-02	1.26E+00	2.78E-01	3.85E-05	5.74E-04	1.12E-03	2.79E-01	3.37E-01	8.89E-01	5.24E-02	3.83E-02	1.32E+00
5326	476863.09	3866377.25	1.84149	0.99762	0.2735	0.51998	3.01E-01	7.74E-01	5.30E-02	3.83E-02	1.17E+00	2.97E-01	3.35E-05	5.82E-04	1.12E-03	2.98E-01	3.60E-01	7.74E-01	5.30E-02	3.83E-02	1.23E+00
5327	477363.09	3866377.25	1.73841	1.10416	0.2823	0.57921	2.84E-01	8.56E-01	5.47E-02	4.26E-02	1.24E+00	2.80E-01	3.71E-05	6.00E-04	1.25E-03	2.82E-01	3.40E-01	8.57E-01	5.47E-02	4.26E-02	1.29E+00
5328	477863.09	3866377.25	1.72673	1.11887	0.2884	0.46551	2.82E-01	8.68E-01	5.59E-02	3.43E-02	1.24E+00	2.78E-01	3.76E-05	6.13E-04	1.00E-03	2.80E-01	3.38E-01	8.68E-01	5.59E-02	3.43E-02	1.30E+00
5329	478363.09	3866377.25	1.6912	1.1689	0.2872	0.42535	2.77E-01	9.07E-01	5.57E-02	3.13E-02	1.27E+00	2.73E-01	3.93E-05	6.11E-04	9.16E-04	2.74E-01	3.31E-01	9.07E-01	5.57E-02	3.13E-02	1.32E+00
5330	478863.09	3866377.25	1.80015	1.21377	0.3009	0.40328	2.94E-01	9.42E-01	5.84E-02	2.97E-02	1.32E+00	2.90E-01	4.08E-05	6.40E-04	8.68E-04	2.92E-01	3.52E-01	9.42E-01	5.84E-02	2.97E-02	1.38E+00
5331	479363.09	3866377.25	1.88705	1.29099	0.278	0.38419	3.09E-01	1.00E+00	5.39E-02	2.83E-02	1.39E+00	3.04E-01	4.34E-05	5.91E-04	8.27E-04	3.06E-01	3.69E-01	1.00E+00	5.39E-02	2.83E-02	1.45E+00
5332	479863.09	3866377.25	2.01573	1.29902	0.2649	0.39147	3.30E-01	1.01E+00	5.14E-02	2.88E-02	1.42E+00	3.25E-01	4.36E-05	5.63E-04	8.43E-04	3.26E-01	3.94E-01	1.01E+00	5.14E-02	2.88E-02	1.48E+00
5333	480363.09	3866377.25	2.1681	1.33107	0.2655	0.29372	3.55E-01	1.03E+00	5.15E-02	2.16E-02	1.46E+00	3.49E-01	4.47E-05	5.65E-04	6.32E-04	3.51E-01	4.24E-01	1.03E+00	5.15E-02	2.16E-02	1.53E+00
5334	480863.09	3866377.25	2.086	1.31809	0.2519	0.3087	3.41E-01	1.02E+00	4.89E-02	2.27E-02	1.44E+00	3.36E-01	4.43E-05	5.36E-04	6.65E-04	3.37E-01	4.08E-01	1.02E+00	4.89E-02	2.27E-02	1.50E+00
5335	481363.09	3866377.25	2.12294	1.39389	0.2698	0.27516	3.47E-01	1.08E+00	5.23E-02	2.03E-02	1.50E+00	3.42E-01	4.68E-05	5.74E-04	5.92E-04	3.43E-01	4.15E-01	1.08E+00	5.23E-02	2.03E-02	1.57E+00
5336	481863.09	3866377.25	2.0529	1.4729	0.2741	0.29234	3.36E-01	1.14E+00	5.31E-02	2.15E-02	1.55E+00	3.31E-01	4.95E-05	5.83E-04	6.29E-04	3.32E-01	4.02E-01	1.14E+00	5.31E-02	2.15E-02	1.62E+00
5337	482363.09	3866377.25	2.02029	1.55645	0.2875	0.28253	3.30E-01	1.21E+00	5.57E-02	2.08E-02	1.61E+00	3.26E-01	5.23E-05	6.11E-04	6.08E-04	3.27E-01	3.95E-01	1.21E+00	5.57E-02	2.08E-02	1.68E+00
5338	482863.09	3866377.25	2.2803	1.56835	0.3412	0.2645	3.73E-01	1.22E+00	6.62E-02	1.95E-02	1.68E+00	3.67E-01	5.27E-05	7.25E-04	5.69E-04	3.69E-01	4.46E-01	1.22E+00	6.62E-02	1.95E-02	1.75E+00
5339	483363.09	3866377.25	2.26601	1.57555	0.3212	0.27281	3.71E-01	1.22E+00	6.23E-02	2.01E-02	1.68E+00	3.65E-01	5.29E-05	6.83E-04	5.87E-04	3.66E-01	4.43E-01	1.22E+00	6.23E-02	2.01E-02	1.75E+00
5340	483863.09	3866377.25	2.3326	1.68608	0.2706	0.31756	3.82E-01	1.31E+00	5.25E-02	2.34E-02	1.77E+00	3.76E-01	5.66E-05	5.75E-04	6.84E-04	3.77E-01	4.56E-01	1.31E+00	5.25E-02	2.34E-02	1.84E+00
5341	484363.09	3866377.25	2.39434	1.81348	0.276	0.29758	3.92E-01	1.41E+00	5.35E-02	2.19E-02	1.87E+00	3.86E-01	6.09E-05	5.87E-04	6.41E-04	3.87E-01	4.69E-01	1.41E+00	5.35E-02	2.19E-02	1.95E+00
5342	484863.09	3866377.25	2.31903	1.91468	0.2857	0.27066	3.79E-01	1.49E+00	5.54E-02	1.99E-02	1.94E+00	3.74E-01	6.43E-05	6.07E-04	5.83E-04	3.75E-01	4.54E-01	1.49E+00	5.54E-02	1.99E-02	2.01E+00
5343	485363.09	3866377.25	2.30636	1.95618	0.2694	0.26793	3.77E-01	1.52E+00	5.22E-02	1.97E-02	1.97E+00	3.72E-01	6.57E-05	5.73E-04	5.77E-04	3.73E-01	4.51E-01	1.52E+00	5.22E-02	1.97E-02	2.04E+00
5344	485863.09	3866377.25	2.41847	1.84432	0.261	0.18305	3.96E-01	1.43E+00	5.06E-02	1.35E-02	1.89E+00	3.90E-01	6.20E-05	5.55E-04	3.94E-04	3.91E-01	4.73E-01	1.43E+00	5.06E-02	1.35E-02	1.97E+00
5345	486363.09	3866377.25	2.47014	1.97647	0.259	0.17792	4.04E-01	1.53E+00	5.02E-02	1.31E-02	2.00E+00	3.98E-01	6.64E-05	5.51E-04	3.83E-04	3.99E-01	4.83E-01	1.53E+00	5.02E-02	1.31E-02	2.08E+00
5346	486863.09	3866377.25	2.56471	2.11839	0.2549	0.18499	4.19E-01	1.64E+00	4.94E-02	1.36E-02	2.13E+00	4.13E-01	7.12E-05	5.42E-04	3.98E-04	4.14E-01	5.02E-01	1.64E+00	4.94E-02	1.36E-02	2.21E+00
5347	487363.09	3866377.25	2.57122	2.10176	0.285	0.1807	4.21E-01	1.63E+00	5.53E-02	1.33E-02	2.12E+00	4.14E-01	7.06E-05	6.06E-04	3.89E-04	4.15E-01	5.03E-01	1.63E+00	5.53E-02	1.33E-02	2.20E+00
5348	487863.09	3866377.25	2.67159	2.17004	0.2987	0.16162	4.37E-01	1.68E+00	5.79E-02	1.19E-02	2.19E+00	4.30E-01	7.29E-05	6.35E-04	3.48E-04	4.32E-01	5.23E-01	1.68E+00	5.79E-02	1.19E-02	2.28E+00
5349	488363.09	3866377.25	2.90671	2.32707	0.2906	0.16252	4.75E-01	1.81E+00	5.63E-02	1.20E-02	2.35E+00	4.68E-01	7.82E-05	6.18E-04	3.50E-04	4.69E-01	5.69E-01	1.81E+00	5.63E-02	1.20E-02	2.44E+00
5350	488863.09	3866377.25	3.34463	2.41001	0.2873	0.15501	5.47E-01	1.87E+00	5.57E-02	1.14E-02	2.48E+00	5.39E-01	8.10E-05	6.11E-04	3.34E-04	5.40E-01	6.54E-01	1.87E+00	5.57E-02	1.14E-02	2.59E+00
5351	489363.09	3866377.25	3.43004	2.42702	0.282	0.15142	5.61E-01	1.88E+00	5.47E-02	1.11E-02	2.51E+00	5.53E-01	8.15E-05	6.00E-04	3.26E-04	5.54E-01	6.71E-01	1.88E+00	5.47E-02	1.11E-02	2.62E+00
5352	489863.09	3866377.25	3.30892	2.47718	0.2673	0.14111	5.41E-01	1.92E+00	5.18E-02	1.04E-02	2.52E+00	5.33E-01	8.32E-05	5.68E-04	3.04E-04	5.34E-01	6.47E-01	1.92E+00	5.18E-02	1.04E-02	2.63E+00
5353	490363.09	3866377.25	3.09471	2.81468	0.2676	0.14773	5.06E-01	2.18E+00	5.19E-02	1.09E-02	2.75E+00	4.99E-01	9.45E-05	5.69E-04	3.18E-04	5.00E-01	6.06E-01	2.18E+00	5.19E-02	1.09E-02	2.85E+00
5354	490863.09	3866377.25	2.80984	2.82756	0.2517	0.16477	4.60E-01	2.19E+00	4.88E-02	1.21E-02	2.71E+00	4.53E-01	9.50E-05	5.35E-04	3.55E-04	4.54E-01	5.50E-01	2.19E+00	4.88E-02	1.21E-02	2.80E+00
5355	491363.09	3866377.25	3.1505	3.0578	0.2489	0.16405	5.15E-01	2.37E+00	4.83E-02	1.21E-02	2.95E+00	5.08E-01	1.03E-04	5.29E-04	3.53E-04	5.09E-01	6.16E-01	2.37E+00	4.83E-02	1.21E-02	3.05E+00
5356	491863.09	3866377.25	3.69722	2.48688	0.2344	0.14402	6.05E-01	1.93E+00	4.54E-02	1.06E-02	2.59E+00	5.96E-01	8.35E-05	4.98E-04	3.10E-04	5.97E-01	7.23E-01	1.93E+00	4.54E-02	1.06E-02	2.71E+00
5357	492363.09	3866377.25	3.55504	2.55456	0.2342	0.14873	5.81E-01	1.98E+00	4.54E-02	1.10E-02	2.62E+00	5.73E-01	8.58E-05	4.98E-04	3.20E-04	5.74E-01	6.96E-01	1.98E+00	4.54E-02	1.10E-02	2.73E+00
5358	492863.09	3866377.25	3.20871	2.05652	0.2593	0.15268	5.25E-01	1.60E+00	5.03E-02	1.12E-02	2.18E+00	5.17E-01	6.91E-05	5.51E-04	3.29E-04	5.18E-01	6.28E-01	1.60E+00	5.03E-02	1.12E-02	2.28E+00
5359	493363.09	3866377.25	2.98539	2.35062	0.2436	0.15128	4.88E-01	1.82E+00	4.72E-02	1.11E-02	2.37E+00	4.81E-01	7.90E-05	5.18E-04	3.26E-04	4.82E-01	5.84E-01	1.82E+00	4.72E-02	1.11E-02	2.47E+00
5360	493863.09	3866377.25	3.58963	2.53366	0.2498	0.16766	5.87E-01	1.97E+00	4.84E-02	1.23E-02	2.61E+00	5.78E-01	8.51E-05	5.31E-04	3.61E-04	5.79E-01	7.02E-01	1.97E+00	4.84E-02	1.23E-02	2.73E+00
5361	494363.09	3866377.25	3.49283	3.5377	0.2439	0.19299	5.71E-01	2.74E+00	4.73E-02	1.42E-02	3.38E+00	5.63E-01	1.19E-04	5.19E-04	4.15E-04	5.64E-01	6.83E-01	2.74E+00	4.73E-02	1.42E-02	3.49E+00
5362	494863.09	3866377.25	3.06464	3.50634	0.2658	0.20393	5.01E-01	2.72E+00	5.15E-02	1.50E-02	3.29E+00	4.94E-01	1.18E-04	5.65E-04	4.39E-04	4.95E-01	6.00E-01	2.72E+00	5.15E-02	1.50E-02	3.39E+00
5363	495363.09	3866377.25	2.52257	3.48419	0.2592	0.17386	4.13E-01	2.70E+00	5.03E-02	1.28E-02	3.18E+00	4.06E-01	1.17E-04	5.51E-04	3.74E-04	4.08E-01	4.94E-01	2.70E+00	5.03E-02	1.28E-02	3.26E+00
5364	495863.09	3866377.25	3.29341	2.82863	0.2656	0.19535	5.39E-01	2.19E+00	5.15E-02	1.44E-02	2.80E+00	5.31E-01	9.50E-05	5.65E-04	4.21E-04	5.32E-01	6.44E-01	2.19E+00	5.15E-02	1.44E-02	2.90E+00

5365	496363.09	3866377.25	3.68749	2.71442	0.2638	0.25149	6.03E-01	2.11E+00	5.12E-02	1.85E-02	2.78E+00	5.94E-01	9.12E-05	5.61E-04	5.41E-04	5.95E-01	7.22E-01	2.11E+00	5.12E-02	1.85E-02	2.90E+00
5366	496863.09	3866377.25	3.23349	2.4921	0.3108	0.2506	5.29E-01	1.93E+00	6.03E-02	1.85E-02	2.54E+00	5.21E-01	8.37E-05	6.61E-04	5.39E-04	5.22E-01	6.33E-01	1.93E+00	6.03E-02	1.85E-02	2.64E+00
5367	497363.09	3866377.25	3.5225	2.35453	0.282	0.21467	5.76E-01	1.83E+00	5.47E-02	1.58E-02	2.47E+00	5.68E-01	7.91E-05	5.99E-04	4.62E-04	5.69E-01	6.89E-01	1.83E+00	5.47E-02	1.58E-02	2.59E+00
5368	497863.09	3866377.25	2.82089	2.64396	0.3404	0.23308	4.61E-01	2.05E+00	6.60E-02	1.72E-02	2.60E+00	4.55E-01	8.88E-05	7.24E-04	5.02E-04	4.56E-01	5.52E-01	2.05E+00	6.60E-02	1.72E-02	2.69E+00
5369	498363.09	3866377.25	2.38706	2.03987	0.4535	0.19608	3.90E-01	1.58E+00	8.79E-02	1.44E-02	2.08E+00	3.85E-01	6.85E-05	9.64E-04	4.22E-04	3.86E-01	4.67E-01	1.58E+00	8.79E-02	1.44E-02	2.15E+00
5370	474494.92	3848334.16	1.66176	1.12188	0.1761	0.22282	2.72E-01	8.70E-01	3.42E-02	1.64E-02	1.19E+00	2.68E-01	3.77E-05	3.75E-04	4.80E-04	2.69E-01	3.25E-01	8.70E-01	3.42E-02	1.64E-02	1.25E+00
5371	475167.27	3848920.79	2.08866	1.22951	0.1852	0.23518	3.42E-01	9.54E-01	3.59E-02	1.73E-02	1.35E+00	3.37E-01	4.13E-05	3.94E-04	5.06E-04	3.37E-01	4.09E-01	9.54E-01	3.59E-02	1.73E-02	1.42E+00
5372	475297.89	3848997.96	2.15359	1.25691	0.1866	0.24031	3.52E-01	9.75E-01	3.62E-02	1.77E-02	1.38E+00	3.47E-01	4.22E-05	3.97E-04	5.17E-04	3.48E-01	4.21E-01	9.75E-01	3.62E-02	1.77E-02	1.45E+00
5373	475439.05	3849062	2.13113	1.23188	0.1875	0.24282	3.49E-01	9.56E-01	3.64E-02	1.79E-02	1.36E+00	3.43E-01	4.14E-05	3.99E-04	5.23E-04	3.44E-01	4.17E-01	9.56E-01	3.64E-02	1.79E-02	1.43E+00
5374	475486.86	3849061.09	2.01285	1.20907	0.1877	0.24308	3.29E-01	9.38E-01	3.64E-02	1.79E-02	1.32E+00	3.24E-01	4.06E-05	3.99E-04	5.23E-04	3.25E-01	3.94E-01	9.38E-01	3.64E-02	1.79E-02	1.39E+00
5375	475538.46	3849075.56	1.97163	1.21315	0.1884	0.24507	3.22E-01	9.41E-01	3.65E-02	1.80E-02	1.32E+00	3.18E-01	4.08E-05	4.00E-04	5.28E-04	3.19E-01	3.86E-01	9.41E-01	3.65E-02	1.80E-02	1.38E+00
5376	475751.79	3849137.15	2.04686	1.30383	0.1914	0.25126	3.35E-01	1.01E+00	3.71E-02	1.85E-02	1.40E+00	3.30E-01	4.38E-05	4.07E-04	5.41E-04	3.31E-01	4.01E-01	1.01E+00	3.71E-02	1.85E-02	1.47E+00
5377	476303.62	3849223.38	2.57278	1.52018	0.1979	0.24459	4.21E-01	1.18E+00	3.84E-02	1.80E-02	1.66E+00	4.15E-01	5.11E-05	4.21E-04	5.27E-04	4.16E-01	5.03E-01	1.18E+00	3.84E-02	1.80E-02	1.74E+00
5378	476304.51	3849238.92	2.56635	1.51558	0.198	0.24448	4.20E-01	1.18E+00	3.84E-02	1.80E-02	1.65E+00	4.14E-01	5.09E-05	4.21E-04	5.26E-04	4.15E-01	5.02E-01	1.18E+00	3.84E-02	1.80E-02	1.73E+00
5379	476365.04	3849247.98	2.59588	1.637	0.1988	0.24587	4.25E-01	1.27E+00	3.85E-02	1.81E-02	1.75E+00	4.18E-01	5.50E-05	4.23E-04	5.29E-04	4.19E-01	5.08E-01	1.27E+00	3.85E-02	1.81E-02	1.83E+00
5380	476444.86	3849267.13	2.71171	1.80957	0.1996	0.24466	4.44E-01	1.40E+00	3.87E-02	1.80E-02	1.90E+00	4.37E-01	6.08E-05	4.24E-04	5.27E-04	4.38E-01	5.31E-01	1.40E+00	3.87E-02	1.80E-02	1.99E+00
5381	476550.75	3849300.66	2.73599	2.04221	0.2011	0.24468	4.48E-01	1.58E+00	3.90E-02	1.80E-02	2.09E+00	4.41E-01	6.86E-05	4.28E-04	5.27E-04	4.42E-01	5.35E-01	1.58E+00	3.90E-02	1.80E-02	2.18E+00
5382	476656.71	3849346.88	2.71739	2.24285	0.2027	0.24349	4.44E-01	1.74E+00	3.93E-02	1.79E-02	2.24E+00	4.38E-01	7.53E-05	4.31E-04	5.24E-04	4.39E-01	5.32E-01	1.74E+00	3.93E-02	1.79E-02	2.33E+00
5383	476873.55	3849454.53	2.70188	2.41934	0.2061	0.24857	4.42E-01	1.88E+00	4.00E-02	1.83E-02	2.38E+00	4.35E-01	8.13E-05	4.38E-04	5.35E-04	4.36E-01	5.29E-01	1.88E+00	4.00E-02	1.83E-02	2.46E+00
5384	477700	3849859.7	3.33994	2.81624	0.2199	0.23705	5.46E-01	2.18E+00	4.26E-02	1.75E-02	2.79E+00	5.38E-01	9.46E-05	4.67E-04	5.10E-04	5.39E-01	6.54E-01	2.18E+00	4.26E-02	1.75E-02	2.90E+00
5385	477743.16	3849856.38	3.1801	2.79634	0.2198	0.23261	5.20E-01	2.17E+00	4.26E-02	1.71E-02	2.75E+00	5.12E-01	9.39E-05	4.67E-04	5.01E-04	5.13E-01	6.22E-01	2.17E+00	4.26E-02	1.71E-02	2.85E+00
5386	478477.35	3850216.33	2.78992	2.77284	0.2359	0.25915	4.56E-01	2.15E+00	4.57E-02	1.91E-02	2.67E+00	4.50E-01	9.31E-05	5.01E-04	5.58E-04	4.51E-01	5.46E-01	2.15E+00	4.57E-02	1.91E-02	2.76E+00
5387	478485.8	3850201.6	2.80819	2.74712	0.2358	0.26115	4.59E-01	2.13E+00	4.57E-02	1.92E-02	2.66E+00	4.52E-01	9.23E-05	5.01E-04	5.62E-04	4.54E-01	5.50E-01	2.13E+00	4.57E-02	1.92E-02	2.75E+00
5388	479113.21	3850501.53	3.02608	2.904	0.2437	0.27513	4.95E-01	2.25E+00	4.72E-02	2.03E-02	2.82E+00	4.88E-01	9.75E-05	5.18E-04	5.92E-04	4.89E-01	5.92E-01	2.25E+00	4.72E-02	2.03E-02	2.91E+00
5389	479108.11	3850382.28	3.25043	2.83701	0.2419	0.27431	5.32E-01	2.20E+00	4.69E-02	2.02E-02	2.80E+00	5.24E-01	9.53E-05	5.14E-04	5.91E-04	5.25E-01	6.36E-01	2.20E+00	4.69E-02	2.02E-02	2.90E+00
5390	479689.85	3850674.28	3.75402	2.64707	0.2476	0.3267	6.14E-01	2.05E+00	4.80E-02	2.41E-02	2.74E+00	6.05E-01	8.89E-05	5.27E-04	7.03E-04	6.06E-01	7.35E-01	2.05E+00	4.80E-02	2.41E-02	2.86E+00
5391	479952.42	3850774.28	5.33403	2.62987	0.2527	0.35268	8.72E-01	2.04E+00	4.90E-02	2.60E-02	2.99E+00	8.59E-01	8.83E-05	5.37E-04	7.59E-04	8.61E-01	1.04E+00	2.04E+00	4.90E-02	2.60E-02	3.16E+00
5392	479911.32	3850884.85	4.23076	2.91526	0.2546	0.34375	6.92E-01	2.26E+00	4.94E-02	2.53E-02	3.03E+00	6.82E-01	9.79E-05	5.41E-04	7.40E-04	6.83E-01	8.28E-01	2.26E+00	4.94E-02	2.53E-02	3.16E+00
5393	480500.92	3851178.12	6.75703	3.08729	0.2667	0.38818	1.11E+00	2.39E+00	5.17E-02	2.86E-02	3.58E+00	1.09E+00	1.04E-04	5.67E-04	8.36E-04	1.09E+00	1.32E+00	2.39E+00	5.17E-02	2.86E-02	3.80E+00
5394	480738.01	3851289.27	7.30479	3.0912	0.2755	0.38822	1.19E+00	2.40E+00	5.34E-02	2.86E-02	3.67E+00	1.18E+00	1.04E-04	5.86E-04	8.36E-04	1.18E+00	1.43E+00	2.40E+00	5.34E-02	2.86E-02	3.91E+00
5395	481055.42	3851443.58	7.95571	2.99776	0.2888	0.4159	1.30E+00	2.33E+00	5.60E-02	3.06E-02	3.71E+00	1.28E+00	1.01E-04	6.14E-04	8.95E-04	1.28E+00	1.56E+00	2.33E+00	5.60E-02	3.06E-02	3.97E+00
5396	481110.22	3851443.15	8.25324	2.92664	0.2918	0.41272	1.35E+00	2.27E+00	5.66E-02	3.04E-02	3.71E+00	1.33E+00	9.83E-05	6.20E-04	8.88E-04	1.33E+00	1.61E+00	2.27E+00	5.66E-02	3.04E-02	3.97E+00
5397	481111.1	3851417.45	8.31447	2.88219	0.2921	0.41075	1.36E+00	2.24E+00	5.66E-02	3.02E-02	3.68E+00	1.34E+00	9.68E-05	6.21E-04	8.84E-04	1.34E+00	1.63E+00	2.24E+00	5.66E-02	3.02E-02	3.95E+00
5398	482248.44	3852605.09	12.4634	3.62357	0.3411	0.59598	2.04E+00	2.81E+00	6.61E-02	4.39E-02	4.96E+00	2.01E+00	1.22E-04	7.25E-04	1.28E-03	2.01E+00	2.44E+00	2.81E+00	6.61E-02	4.39E-02	5.36E+00
5399	482273.34	3852632.31	12.6147	3.64846	0.3423	0.60609	2.06E+00	2.83E+00	6.64E-02	4.46E-02	5.00E+00	2.03E+00	1.23E-04	7.28E-04	1.30E-03	2.03E+00	2.47E+00	2.83E+00	6.64E-02	4.46E-02	5.41E+00
5400	482665.46	3853038.72	15.4585	4.00106	0.3641	0.71402	2.53E+00	3.10E+00	7.06E-02	5.26E-02	5.76E+00	2.49E+00	1.34E-04	7.74E-04	1.54E-03	2.49E+00	3.02E+00	3.10E+00	7.06E-02	5.26E-02	6.25E+00
5401	483077.95	3853844.31	15.0452	4.17914	0.4165	0.8975	2.46E+00	3.24E+00	8.08E-02	6.61E-02	5.85E+00	2.42E+00	1.40E-04	8.86E-04	1.93E-03	2.43E+00	2.94E+00	3.24E+00	8.08E-02	6.61E-02	6.33E+00
5402	483121.38	3853909.38	15.7804	4.0671	0.4228	0.91688	2.58E+00	3.15E+00	8.20E-02	6.75E-02	5.89E+00	2.54E+00	1.37E-04	8.99E-04	1.97E-03	2.55E+00	3.09E+00	3.16E+00	8.20E-02	6.75E-02	6.39E+00
5403	483492.64	3853911.49	22.6975	2.82016	0.4104	0.94626	3.71E+00	2.19E+00	7.96E-02	6.97E-02	6.05E+00	3.66E+00	9.47E-05	8.73E-04	2.04E-03	3.66E+00	4.44E+00	2.19E+00	7.96E-02	6.97E-02	6.78E+00
5404	483498.29	3854204.73	19.3841	2.97057	0.4507	1.00433	3.17E+00	2.30E+00	8.74E-02	7.39E-02	5.64E+00	3.12E+00	9.98E-05	9.58E-04	2.16E-03	3.13E+00	3.79E+00	2.30E+00	8.74E-02	7.39E-02	6.26E+00
5405	484132.44	3854662.55	23.8032	1.54485	0.4914	2.20438	3.89E+00	1.20E+00	9.53E-02	1.62E-01	5.35E+00	3.84E+00	5.19E-05	1.04E-03	4.75E-03	3.84E+00	4.66E+00	1.20E+00	9.53E-02	1.62E-01	6.11E+00
5406	484627.62	3854876.13	29.9018	1.55948	0.5284	2.38769	4.89E+00	1.21E+00	1.02E-01	1.76E-01	6.38E+00	4.82E+00	5.24E-05	1.12E-03	5.14E-03	4.82E+00	5.85E+00	1.21E+00	1.02E-01	1.76E-01	7.34E+00
5407	484756.14	3854949.04	29.4412	1.67284	0.563	1.99208	4.82E+00	1.30E+00	1.09E-01	1.47E-01	6.37E+00	4.74E+00	5.62E-05	1.20E-03	4.29E-03	4.75E+00	5.76E+00	1.30E+00	1.09E-01	1.47E-01	7.31E+00
5408	486697.51	3856599.17	38.3234	1.7758	1.7829	3.89958	6.27E+00	1.38E+00	3.46E-01	2.87E-01	8.28E+00	6.18E+00	5.97E-05	3.79E-03	8.39E-03	6.19E+00	7.50E+00	1.38E+00	3.46E-01	2.87E-01	9.51E+00
5409	487105.31	3856962.27	42.2696	2.56604	2.8195	3.21835	6.91E+00	1.99E+00	5.47E-01	2.37E-01	9.69E+00	6.81E+00	8.62E-05	5.99E-03	6.93E-03	6.82E+00	8.27E+00	1.99E+00	5.47E-01	2.37E-01	1.10E+01
5410	487157.57	3856901.7	38.1129	2.67498	2.7207	3.16081	6.23E+00	2.07E+00	5.28E-01	2.33E-01	9.07E+00	6.14E+00	8.99E-05	5.78E-03	6.80E-03	6.15E+00	7.46E+00	2.08E+00	5.28E-01	2.33E-01	1.03E+01
5411	487173.5	3856853.74	36.045	2.66106	2.4726	3.23483	5.90E+00	2.06E+00	4.79E-01	2.38E-01	8.68E+00	5.81E+00	8.94E-05	5.26E-03	6.96E-03	5.82E+00	7.05E+00	2.06E+00	4.79E-01	2.38E-01	9.84E+00
5412	487564.41	3856860.83	28.4781	3.14949	3.2976	3.00808	4.66E+00	2.44E+00	6.39E-01	2.21E-01	7.96E+00	4.59E+00	1.06E-04	7.01E-03	6.48E-03	4.60E+00	5.57E+00	2.44E+00	6.39E-01	2.21E-01	8.88E+00
5413	487563.31	3856931.58	29.5298	3.36704	3.7621	3.00744	4.83E+00	2.61E+00	7.29E-01	2.21E-01	8.39E+00	4.76E+00	1.13E-04	8.00E-03	6.47E-03	4.77E+00	5.78E+00	2.61E+00	7.29E-01	2.21E-01	9.34E+00
5414	487782.7	3856926.85	26.1908	3.65374	4.7729	2.9506	4.28E+00	2.83E+00	9.26E-01	2.17E-01	8.26E+00	4.22E+00	1.23E-04	1.01E-02	6.35E-03	4.24E+00	5.13E+00	2.83E+00	9.26E-01	2.17E-01	9.10E+00
5415	487782.39	3856757.07	24.0919	3.23121	3.5294	3.06276	3.94E+00	2.51E+00	6.84E-01	2.25E-01	7.36E+00	3.88E+00	1.09E-04	7.50E-03	6.59E-03	3.90E+00	4.71E+00	2.51E+00	6.84E-01	2.25E-01	8.13E+00
5416	487917.26	3856752.41	22.2255	3.26574	3.7087	3.05853	3.64E+00	2.53E+00	7.19E-01	2.25E-01	7.11E+00	3.58E+00	1.10E-04	7.89E-03	6.58E-03	3.60E+00	4.35E+00	2.53E+00	7.19E-01	2.25E-01	7.83E+00
5417	487919.57	3856953.35	24.6246	3.84654	4.2838	2.87642	4.03E+00	2.98E+00	8.31E-01	2.12E-01	8.05E+00	3.97E+00	1.29E-04	9.11E-03	6.19E-03	3.98E+00	4.82E+00	2.98E+00	8.31E-01	2.12E-01	8.84E+00
5418	487932.76	3857000.32	25.1506	3.87057	4.7498	2.84867	4.11E+00	3.00E+00	9.21E-01	2.10E-01	8.25E+00	4.05E+00	1.30E-04	1.01E-02	6.13E-03	4.07E+00	4.92E+00	3.00E+00	9.21E-01	2.10E-01	9.05E+00
5419	487960.5	3857044.75	25.2818	3.86031	5.778	2.81048	4.14E+00	2.99E+00	1.12E+00	2.07E-01	8.46E+00	4.07E+00	1.30E-04	1.23E-02	6.05E-03	4.09E+00	4.95E+00	2.99E+00	1.12E+00	2.07E-01	9.27E+00
5420	488016.54	3857089.54	24.9963	3.95399	6.21	2.75435	4.09E+00	3.07E+00	1.20E+00	2.03E-01	8.56E+00	4.03E+00	1.33E-04	1.32E-02	5.93E-03	4.05E+00	4.89E+00	3.07E+00	1.20E+00	2.03E-01	9.37E+00
5421	488114.39	3857165.47	24.6065	4.09046	6.32	2.6912	4.02E+00	3.17E+00	1.23E+00	1.98E-01	8.62E+00	3.96E+00	1.37E-04	1.34E-02	5.79E-03	3.98E+00	4.82E+00	3.17E+00	1.23E+00	1.98E-01	9.41E+00
5422	488171.49	3857234.24	24.6241	4.35139	8.5595	2.64476	4.03E+00	3.38E+00	1.66E+00	1.95E-01	9.26E+00	3.97E+00	1.46E-04	1.82E-02	5.69E-03	3.99E+00	4.82E+00	3.38E+00	1.66E+00	1.95E-01	1.00E+01
5423	488193.16	3857297.8	24.6704	4.57594	9.9302	2.57768	4.04E+00	3.55E+00	1.93E+00	1.90E-01	9.70E+00	3.98E+00	1.54E-04	2.11E-02	5.55E-03	4.00E+00	4.83E+00	3.55E+00	1.93E+00	1.90E-01	1.05E+01
5424	488189.27	3857649.94	24.7495	5.42263	22.761	2.37649	4.05E+00	4.21E+00	4.41E+00	1.75E-01	1.28E+01	3.99E+00	1.82E-04	4.84E-02	5.12E-03	4.04E+00	4.84E+00	4.21E+00	4.41E+00	1.75E-01	1.36E+01
5425	488127.43	3857732.32	24.3013	5.78927	32.158	2.30326	3.97E+00	4.49E+00	6.24E+00	1.70E-01	1.49E+01	3.92E+00	1.94E-04	6.84E-02	4.96E-03	3.99E+00	4.76E+00	4.49E+00	6.24E+00	1.70E-01	1.57E+01

5426	488149.93	3857752.94	24.157	5.85392	33.632	2.19649	3.95E+00	4.54E+00	6.52E+00	1.62E-01	1.52E+01	3.89E+00	1.97E-04	7.15E-02	4.73E-03	3.97E+00	4.73E+00	4.54E+00	6.52E+00	1.62E-01	1.60E+01
5427	488144.76	3857758.71	24.0757	5.87139	34.577	2.18542	3.94E+00	4.55E+00	6.70E+00	1.61E-01	1.54E+01	3.88E+00	1.97E-04	7.35E-02	4.70E-03	3.96E+00	4.71E+00	4.55E+00	6.70E+00	1.61E-01	1.61E+01
5428	488335.58	3857932.55	21.6536	6.66835	125.19	2.24994	3.54E+00	5.17E+00	2.43E+01	1.66E-01	3.32E+01	3.49E+00	2.24E-04	2.66E-01	4.84E-03	3.76E+00	4.24E+00	5.17E+00	2.43E+01	1.66E-01	3.39E+01
5429	488372.29	3857943.79	21.6777	6.76339	122.36	2.28529	3.55E+00	5.25E+00	2.37E+01	1.68E-01	3.27E+01	3.49E+00	2.27E-04	2.60E-01	4.92E-03	3.76E+00	4.24E+00	5.25E+00	2.37E+01	1.68E-01	3.34E+01
5430	488828.64	3857936.4	20.9221	6.40959	52.008	2.26557	3.42E+00	4.97E+00	1.01E+01	1.67E-01	1.86E+01	3.37E+00	2.15E-04	1.11E-01	4.88E-03	3.49E+00	4.09E+00	4.97E+00	1.01E+01	1.67E-01	1.93E+01
5431	488829.08	3857959.58	20.7033	6.52191	52.873	2.37843	3.39E+00	5.06E+00	1.03E+01	1.75E-01	1.89E+01	3.34E+00	2.19E-04	1.12E-01	5.12E-03	3.45E+00	4.05E+00	5.06E+00	1.03E+01	1.75E-01	1.95E+01
5432	488351.61	3857964.55	21.3259	6.88818	125.65	2.27995	3.49E+00	5.34E+00	2.44E+01	1.68E-01	3.34E+01	3.44E+00	2.31E-04	2.67E-01	4.91E-03	3.71E+00	4.17E+00	5.34E+00	2.44E+01	1.68E-01	3.40E+01
5433	488316.87	3857947.65	21.6014	6.73024	127.76	2.20845	3.53E+00	5.22E+00	2.48E+01	1.63E-01	3.37E+01	3.48E+00	2.26E-04	2.72E-01	4.75E-03	3.76E+00	4.23E+00	5.22E+00	2.48E+01	1.63E-01	3.44E+01
5434	488129.1	3857775.77	23.6875	5.9179	39.552	2.267	3.87E+00	4.59E+00	7.67E+00	1.67E-01	1.63E+01	3.82E+00	1.99E-04	8.41E-02	4.88E-03	3.91E+00	4.64E+00	4.59E+00	7.67E+00	1.67E-01	1.71E+01
5435	488062.53	3857846.13	22.0512	6.24191	40.843	2.29492	3.61E+00	4.84E+00	7.92E+00	1.69E-01	1.65E+01	3.55E+00	2.10E-04	8.68E-02	4.94E-03	3.65E+00	4.31E+00	4.84E+00	7.92E+00	1.69E-01	1.72E+01
5436	488330.41	3858091.34	18.7964	7.04141	130.56	2.43965	3.07E+00	5.46E+00	2.53E+01	1.80E-01	3.40E+01	3.03E+00	2.37E-04	2.78E-01	5.25E-03	3.31E+00	3.68E+00	5.46E+00	2.53E+01	1.80E-01	3.46E+01
5437	488470.87	3858174.45	18.491	7.85619	98.157	2.37958	3.02E+00	6.09E+00	1.90E+01	1.75E-01	2.83E+01	2.98E+00	2.64E-04	2.09E-01	5.12E-03	3.19E+00	3.62E+00	6.09E+00	1.90E+01	1.75E-01	2.89E+01
5438	488568.9	3858262.31	17.363	8.37255	65.017	2.53186	2.84E+00	6.49E+00	1.26E+01	1.86E-01	2.21E+01	2.80E+00	2.81E-04	1.38E-01	5.45E-03	2.94E+00	3.40E+00	6.49E+00	1.26E+01	1.86E-01	2.27E+01
5439	488964.27	3858025.71	20.1051	6.68624	43.301	2.2714	3.29E+00	5.19E+00	8.40E+00	1.67E-01	1.70E+01	3.24E+00	2.25E-04	9.21E-02	4.89E-03	3.34E+00	3.93E+00	5.19E+00	8.40E+00	1.67E-01	1.77E+01
5440	489147.25	3857956.64	19.7964	6.10749	35.804	2.14964	3.24E+00	4.74E+00	6.94E+00	1.58E-01	1.51E+01	3.19E+00	2.05E-04	7.61E-02	4.63E-03	3.27E+00	3.87E+00	4.74E+00	6.94E+00	1.58E-01	1.57E+01
5441	489343.52	3857932.45	18.2837	5.51712	34.465	2.1649	2.99E+00	4.28E+00	6.68E+00	1.59E-01	1.41E+01	2.95E+00	1.85E-04	7.33E-02	4.66E-03	3.02E+00	3.58E+00	4.28E+00	6.68E+00	1.59E-01	1.47E+01
5442	489866.19	3857923.19	15.3994	4.45543	31.124	2.06986	2.52E+00	3.46E+00	6.04E+00	1.52E-01	1.22E+01	2.48E+00	1.50E-04	6.62E-02	4.46E-03	2.55E+00	3.01E+00	3.46E+00	6.04E+00	1.52E-01	1.27E+01
5443	489955.65	3857902.27	14.7321	4.24919	30.631	2.10234	2.41E+00	3.30E+00	5.94E+00	1.55E-01	1.18E+01	2.37E+00	1.43E-04	6.51E-02	4.53E-03	2.44E+00	2.88E+00	3.30E+00	5.94E+00	1.55E-01	1.23E+01
5444	490079.44	3857847.9	13.7472	4.17997	31.027	2.16266	2.25E+00	3.24E+00	6.02E+00	1.59E-01	1.17E+01	2.22E+00	1.40E-04	6.60E-02	4.66E-03	2.29E+00	2.69E+00	3.24E+00	6.02E+00	1.59E-01	1.21E+01
5445	490108.49	3857934.13	14.0118	4.26978	30.906	2.23434	2.29E+00	3.31E+00	5.99E+00	1.65E-01	1.18E+01	2.26E+00	1.43E-04	6.57E-02	4.81E-03	2.33E+00	2.74E+00	3.31E+00	5.99E+00	1.65E-01	1.22E+01
5446	489884.48	3858014.17	15.5137	4.66678	29.74	2.15745	2.54E+00	3.62E+00	5.77E+00	1.59E-01	1.21E+01	2.50E+00	1.57E-04	6.32E-02	4.64E-03	2.57E+00	3.04E+00	3.62E+00	5.77E+00	1.59E-01	1.26E+01
5447	489326.56	3858025.86	18.7666	5.7936	32.161	2.07759	3.07E+00	4.49E+00	6.24E+00	1.53E-01	1.40E+01	3.02E+00	1.95E-04	6.84E-02	4.47E-03	3.10E+00	3.67E+00	4.49E+00	6.24E+00	1.53E-01	1.46E+01
5448	489130.38	3858056.71	19.8634	6.41983	34.967	2.25482	3.25E+00	4.98E+00	6.78E+00	1.66E-01	1.52E+01	3.20E+00	2.16E-04	7.43E-02	4.85E-03	3.28E+00	3.89E+00	4.98E+00	6.78E+00	1.66E-01	1.58E+01
5449	488936.49	3858143.93	18.7058	7.12124	41.933	2.39748	3.06E+00	5.52E+00	8.13E+00	1.77E-01	1.69E+01	3.01E+00	2.39E-04	8.92E-02	5.16E-03	3.11E+00	3.66E+00	5.52E+00	8.13E+00	1.77E-01	1.75E+01
5450	488638.08	3858327.45	16.6045	8.45973	48.029	2.6751	2.72E+00	6.56E+00	9.31E+00	1.97E-01	1.88E+01	2.68E+00	2.84E-04	1.02E-01	5.76E-03	2.78E+00	3.25E+00	6.56E+00	9.31E+00	1.97E-01	1.93E+01
5451	488663.79	3858349.57	16.3965	8.46687	43.542	2.61073	2.68E+00	6.57E+00	8.44E+00	1.92E-01	1.79E+01	2.64E+00	2.84E-04	9.26E-02	5.62E-03	2.74E+00	3.21E+00	6.57E+00	8.44E+00	1.92E-01	1.84E+01
5452	488694.56	3858349.5	16.9312	8.41451	43.06	2.68142	2.77E+00	6.53E+00	8.35E+00	1.97E-01	1.78E+01	2.73E+00	2.83E-04	9.16E-02	5.77E-03	2.83E+00	3.31E+00	6.53E+00	8.35E+00	1.97E-01	1.84E+01
5453	488694.35	3858336.75	17.1422	8.38266	45.445	2.64668	2.80E+00	6.50E+00	8.81E+00	1.95E-01	1.83E+01	2.76E+00	2.82E-04	9.66E-02	5.70E-03	2.86E+00	3.35E+00	6.50E+00	8.81E+00	1.95E-01	1.89E+01
5454	488712.81	3858336.38	16.9888	8.29365	44.297	2.70582	2.78E+00	6.43E+00	8.59E+00	1.99E-01	1.80E+01	2.74E+00	2.79E-04	9.42E-02	5.82E-03	2.84E+00	3.32E+00	6.43E+00	8.59E+00	1.99E-01	1.85E+01
5455	488713.23	3858367.46	16.7555	8.39584	39.623	2.7203	2.74E+00	6.51E+00	7.68E+00	2.00E-01	1.71E+01	2.70E+00	2.82E-04	8.42E-02	5.86E-03	2.79E+00	3.28E+00	6.51E+00	7.68E+00	2.00E-01	1.77E+01
5456	488704.63	3858384.05	16.1572	8.54138	38	2.74907	2.64E+00	6.63E+00	7.37E+00	2.02E-01	1.68E+01	2.60E+00	2.87E-04	8.08E-02	5.92E-03	2.69E+00	3.16E+00	6.63E+00	7.37E+00	2.02E-01	1.74E+01
5457	488604.15	3858488.29	17.272	9.73184	18.586	3.04043	2.83E+00	7.55E+00	3.60E+00	2.24E-01	1.42E+01	2.78E+00	3.27E-04	3.95E-02	6.55E-03	2.83E+00	3.38E+00	7.55E+00	3.60E+00	2.24E-01	1.48E+01
5458	488605.66	3858550.47	17.5945	10.5684	12.192	2.84891	2.88E+00	8.20E+00	2.36E+00	2.10E-01	1.36E+01	2.84E+00	3.55E-04	2.59E-02	6.13E-03	2.87E+00	3.44E+00	8.20E+00	2.36E+00	2.10E-01	1.42E+01
5459	488692.68	3858548.71	16.8274	10.3676	15.826	2.83472	2.75E+00	8.04E+00	3.07E+00	2.09E-01	1.41E+01	2.71E+00	3.48E-04	3.36E-02	6.10E-03	2.75E+00	3.29E+00	8.04E+00	3.07E+00	2.09E-01	1.46E+01
5460	488759.93	3858461.81	14.567	9.07639	26.02	2.92313	2.38E+00	7.04E+00	5.05E+00	2.15E-01	1.47E+01	2.35E+00	3.05E-04	5.53E-02	6.29E-03	2.41E+00	2.85E+00	7.04E+00	5.05E+00	2.15E-01	1.52E+01
5461	488816.57	3858541.79	11.992	9.85169	19.067	2.85437	1.96E+00	7.64E+00	3.70E+00	2.10E-01	1.35E+01	1.93E+00	3.31E-04	4.05E-02	6.14E-03	1.98E+00	2.35E+00	7.64E+00	3.70E+00	2.10E-01	1.39E+01
5462	488944.63	3858656.77	11.7268	10.2988	14.317	2.61129	1.92E+00	7.99E+00	2.78E+00	1.92E-01	1.29E+01	1.89E+00	3.46E-04	3.04E-02	5.62E-03	1.93E+00	2.29E+00	7.99E+00	2.78E+00	1.92E-01	1.33E+01
5463	489134.91	3858830.7	10.8681	11.0983	9.2436	2.70762	1.78E+00	8.61E+00	1.79E+00	1.99E-01	1.24E+01	1.75E+00	3.73E-04	1.97E-02	5.83E-03	1.78E+00	2.13E+00	8.61E+00	1.79E+00	1.99E-01	1.27E+01
5464	489193.99	3858886.05	10.5306	11.226	8.1428	2.94764	1.72E+00	8.71E+00	1.58E+00	2.17E-01	1.22E+01	1.70E+00	3.77E-04	1.73E-02	6.35E-03	1.72E+00	2.06E+00	8.71E+00	1.58E+00	2.17E-01	1.26E+01
5465	489295.2	3858954.34	11.189	11.5426	7.4553	2.70801	1.83E+00	8.95E+00	1.45E+00	1.99E-01	1.24E+01	1.80E+00	3.88E-04	1.59E-02	5.83E-03	1.82E+00	2.19E+00	8.95E+00	1.45E+00	1.99E-01	1.28E+01
5466	489295.64	3858992.74	10.6153	11.9222	6.5857	2.68385	1.74E+00	9.25E+00	1.28E+00	1.98E-01	1.25E+01	1.71E+00	4.00E-04	1.40E-02	5.78E-03	1.73E+00	2.08E+00	9.25E+00	1.28E+00	1.98E-01	1.28E+01
5467	489183.74	3858911.72	10.9356	11.6177	7.6692	2.99424	1.79E+00	9.01E+00	1.49E+00	2.20E-01	1.25E+01	1.76E+00	3.90E-04	1.63E-02	6.45E-03	1.79E+00	2.14E+00	9.01E+00	1.49E+00	2.20E-01	1.29E+01
5468	488873.37	3858625.59	12.1065	10.3114	15.223	2.51237	1.98E+00	8.00E+00	2.95E+00	1.85E-01	1.31E+01	1.95E+00	3.46E-04	3.24E-02	5.41E-03	1.99E+00	2.37E+00	8.00E+00	2.95E+00	1.85E-01	1.35E+01
5469	488842.84	3858658.69	15.8321	10.9527	13.629	2.47377	2.59E+00	8.50E+00	2.64E+00	1.82E-01	1.39E+01	2.55E+00	3.68E-04	2.90E-02	5.33E-03	2.59E+00	3.10E+00	8.50E+00	2.64E+00	1.82E-01	1.44E+01
5470	488856.39	3858670.93	15.7771	11.0105	13.196	2.52931	2.58E+00	8.54E+00	2.56E+00	1.86E-01	1.39E+01	2.54E+00	3.70E-04	2.81E-02	5.44E-03	2.58E+00	3.09E+00	8.54E+00	2.56E+00	1.86E-01	1.44E+01
5471	488805.7	3858724.5	16.9749	12.2255	8.9101	2.79712	2.78E+00	9.48E+00	1.73E+00	2.06E-01	1.42E+01	2.74E+00	4.11E-04	1.89E-02	6.02E-03	2.76E+00	3.32E+00	9.48E+00	1.73E+00	2.06E-01	1.47E+01
5472	488805.87	3858804.16	16.4699	13.6691	6.1237	2.91403	2.69E+00	1.06E+01	1.19E+00	2.15E-01	1.47E+01	2.65E+00	4.59E-04	1.30E-02	6.27E-03	2.67E+00	3.22E+00	1.06E+01	1.19E+00	2.15E-01	1.52E+01
5473	488995.78	3858936.96	15.9954	14.1682	6.5426	2.88148	2.62E+00	1.10E+01	1.27E+00	2.12E-01	1.51E+01	2.58E+00	4.76E-04	1.39E-02	6.20E-03	2.60E+00	3.13E+00	1.10E+01	1.27E+00	2.12E-01	1.56E+01
5474	489130.76	3859017.38	15.69	13.5711	6.0417	2.86673	2.57E+00	1.05E+01	1.17E+00	2.11E-01	1.45E+01	2.53E+00	4.56E-04	1.28E-02	6.17E-03	2.55E+00	3.07E+00	1.05E+01	1.17E+00	2.11E-01	1.50E+01
5475	489130.92	3859052.24	15.1471	13.6843	5.7881	3.1176	2.48E+00	1.06E+01	1.12E+00	2.30E-01	1.44E+01	2.44E+00	4.60E-04	1.23E-02	6.71E-03	2.46E+00	2.96E+00	1.06E+01	1.12E+00	2.30E-01	1.49E+01
5476	489200.33	3859090.6	14.988	13.0879	5.413	2.7581	2.45E+00	1.02E+01	1.05E+00	2.03E-01	1.39E+01	2.42E+00	4.40E-04	1.15E-02	5.94E-03	2.43E+00	2.93E+00	1.02E+01	1.05E+00	2.03E-01	1.43E+01
5477	489296.07	3859143.7	13.6655	12.6934	4.9893	2.90535	2.24E+00	9.85E+00	9.67E-01	2.14E-01	1.33E+01	2.20E+00	4.26E-04	1.06E-02	6.25E-03	2.22E+00	2.67E+00	9.85E+00	9.67E-01	2.14E-01	1.37E+01
5478	489296.43	3858954.74	11.2191	11.5384	7.4573	2.70647	1.83E+00	8.95E+00	1.45E+00	1.99E-01	1.24E+01	1.81E+00	3.88E-04	1.59E-02	5.83E-03	1.83E+00	2.20E+00	8.95E+00	1.45E+00	1.99E-01	1.28E+01
5479	489410.33	3859033.19	12.1182	11.2375	6.9667	2.58457	1.98E+00	8.72E+00	1.35E+00	1.90E-01	1.22E+01	1.95E+00	3.77E-04	1.48E-02	5.56E-03	1.97E+00	2.37E+00	8.72E+00	1.35E+00	1.90E-01	1.26E+01
5480	489371.37	3859089.8	12.2304	11.7929	5.9351	2.78201	2.00E+00	9.15E+00	1.15E+00	2.05E-01	1.25E+01	1.97E+00	3.96E-04	1.26E-02	5.99E-03	1.99E+00	2.39E+00	9.15E+00	1.15E+00	2.05E-01	1.29E+01
5481	489390.52	3859102.82	12.2647	11.7632	5.9272	2.85558	2.01E+00	9.12E+00	1.15E+00	2.10E-01	1.25E+01	1.98E+00	3.95E-04	1.26E-02	6.15E-03	2.00E+00	2.40E+00	9.13E+00	1.15E+00	2.10E-01	1.29E+01
5482	489382.3	3859114.53	12.5381	11.876	5.692	2.82414	2.05E+00	9.21E+00	1.10E+00	2.08E-01	1.26E+01	2.02E+00	3.99E-04	1.21E-02	6.08E-03	2.04E+00	2.45E+00	9.21E+00	1.10E+00	2.08E-01	1.30E+01
5483	489363.04	3859102.45	12.5876	11.9153	5.7858	2.81481	2.06E+00	9.24E+00	1.12E+00	2.07E-01	1.26E+01	2.03E+00	4.00E-04	1.23E-02	6.06E-03	2.05E+00	2.46E+00	9.24E+00	1.12E+00	2.07E-01	1.30E+01
5484	489337.52	3859140.71	13.5262	12.3297	5.3971	2.89571	2.21E+00	9.56E+00	1.05E+00	2.13E-01	1.30E+01	2.18E+00	4.14E-04	1.15E-02	6.23E-03	2.20E+00	2.65E+00	9.56E+00	1.05E+00	2.13E-01	1.35E+01
5485	489375.14	3859164.55	13.3608	12.2202	5.3014	2.88494	2.19E+00	9.48E+00	1.03E+00	2.12E-01	1.29E+01	2.15E+00	4.10E-04	1.13E-02	6.21E-03	2.17E+00	2.61E+00	9.48E+00	1.03E+00	2.12E-01	1.33E+01
5486	489409.3	3859114.5	12.2958	11.7232	5.8698	2.81642	2.01E+00	9.09E+00	1.14E+00	2.07E-01	1.25E+01	1.98E+00	3.94E-04	1.25E-02	6.06E-03	2.00E+00	2.41E+00	9.09E+00	1.14E+00	2.07E-01	1.28E+01

5487	489434.87	3859131.81	12.3385	11.5832	5.709	2.7537	2.02E+00	8.99E+00	1.11E+00	2.03E-01	1.23E+01	1.99E+00	3.89E-04	1.21E-02	5.93E-03	2.01E+00	2.41E+00	8.99E+00	1.11E+00	2.03E-01	1.27E+01
5488	489471.87	3859075.75	12.2337	10.9799	6.7526	2.72264	2.00E+00	8.52E+00	1.31E+00	2.00E-01	1.20E+01	1.97E+00	3.69E-04	1.44E-02	5.86E-03	1.99E+00	2.39E+00	8.52E+00	1.31E+00	2.00E-01	1.24E+01
5489	489602.62	3859164.69	12.1599	10.6609	6.1477	2.86793	1.99E+00	8.27E+00	1.19E+00	2.11E-01	1.17E+01	1.96E+00	3.58E-04	1.31E-02	6.17E-03	1.98E+00	2.38E+00	8.27E+00	1.19E+00	2.11E-01	1.21E+01
5490	489558.29	3859232.45	12.4737	11.3687	4.9812	2.9711	2.04E+00	8.82E+00	9.66E-01	2.19E-01	1.20E+01	2.01E+00	3.82E-04	1.06E-02	6.40E-03	2.03E+00	2.44E+00	8.82E+00	9.66E-01	2.19E-01	1.24E+01
5491	489620.11	3859273.56	12.4122	11.1387	4.8063	2.90439	2.03E+00	8.64E+00	9.32E-01	2.14E-01	1.18E+01	2.00E+00	3.74E-04	1.02E-02	6.25E-03	2.02E+00	2.43E+00	8.64E+00	9.32E-01	2.14E-01	1.22E+01
5492	489666.06	3859206.42	12.2576	10.4848	5.8524	2.88226	2.00E+00	8.13E+00	1.13E+00	2.12E-01	1.15E+01	1.98E+00	3.52E-04	1.24E-02	6.20E-03	1.99E+00	2.40E+00	8.13E+00	1.13E+00	2.12E-01	1.19E+01
5493	489787.9	3859285.65	12.0798	10.343	5.2991	2.78371	1.98E+00	8.02E+00	1.03E+00	2.05E-01	1.12E+01	1.95E+00	3.47E-04	1.13E-02	5.99E-03	1.96E+00	2.36E+00	8.02E+00	1.03E+00	2.05E-01	1.16E+01
5494	489752.17	3859343.13	12.109	10.6777	4.6036	2.73186	1.98E+00	8.28E+00	8.93E-01	2.01E-01	1.14E+01	1.95E+00	3.59E-04	9.79E-03	5.88E-03	1.97E+00	2.37E+00	8.28E+00	8.93E-01	2.01E-01	1.17E+01
5495	489814.94	3859385.33	11.9086	10.4765	4.4017	2.64395	1.95E+00	8.13E+00	8.54E-01	1.95E-01	1.11E+01	1.92E+00	3.52E-04	9.36E-03	5.69E-03	1.93E+00	2.33E+00	8.13E+00	8.54E-01	1.95E-01	1.15E+01
5496	489853.42	3859330.74	11.9787	10.0948	5.003	2.66475	1.96E+00	7.83E+00	9.70E-01	1.96E-01	1.10E+01	1.93E+00	3.39E-04	1.06E-02	5.74E-03	1.95E+00	2.34E+00	7.83E+00	9.70E-01	1.96E-01	1.13E+01
5497	489969.5	3859401.91	11.7119	9.79493	4.6136	2.68536	1.92E+00	7.60E+00	8.95E-01	1.98E-01	1.06E+01	1.89E+00	3.29E-04	9.81E-03	5.78E-03	1.90E+00	2.29E+00	7.60E+00	8.95E-01	1.98E-01	1.10E+01
5498	490166.91	3859486.96	10.6406	9.35488	4.4113	2.93518	1.74E+00	7.26E+00	8.55E-01	2.16E-01	1.01E+01	1.71E+00	3.14E-04	9.38E-03	6.32E-03	1.73E+00	2.08E+00	7.26E+00	8.55E-01	2.16E-01	1.04E+01
5499	490128.86	3859571.46	10.9374	10.0476	3.7935	2.99998	1.79E+00	7.79E+00	7.36E-01	2.21E-01	1.05E+01	1.76E+00	3.38E-04	8.07E-03	6.46E-03	1.78E+00	2.14E+00	7.79E+00	7.36E-01	2.21E-01	1.09E+01
5500	490186.65	3859593.65	10.8819	9.83331	3.7243	2.94092	1.78E+00	7.63E+00	7.22E-01	2.17E-01	1.03E+01	1.75E+00	3.30E-04	7.92E-03	6.33E-03	1.77E+00	2.13E+00	7.63E+00	7.22E-01	2.17E-01	1.07E+01
5501	490223.74	3859517.48	10.6148	9.20649	4.2098	2.8812	1.74E+00	7.14E+00	8.16E-01	2.12E-01	9.91E+00	1.71E+00	3.09E-04	8.95E-03	6.20E-03	1.73E+00	2.08E+00	7.14E+00	8.16E-01	2.12E-01	1.02E+01
5502	490846.34	3859817.22	9.79163	7.57474	3.6835	2.55506	1.60E+00	5.88E+00	7.14E-01	1.88E-01	8.38E+00	1.58E+00	2.54E-04	7.83E-03	5.50E-03	1.59E+00	1.92E+00	5.88E+00	7.14E-01	1.88E-01	8.69E+00
5503	490925.65	3859844.59	9.84293	7.36791	3.5759	2.52403	1.61E+00	5.72E+00	6.93E-01	1.86E-01	8.20E+00	1.59E+00	2.47E-04	7.60E-03	5.43E-03	1.60E+00	1.93E+00	5.72E+00	6.93E-01	1.86E-01	8.52E+00
5504	491159.29	3859896.28	9.55627	7.01076	3.2091	2.56451	1.56E+00	5.44E+00	6.22E-01	1.89E-01	7.81E+00	1.54E+00	2.36E-04	6.82E-03	5.52E-03	1.55E+00	1.87E+00	5.44E+00	6.22E-01	1.89E-01	8.12E+00
5505	491370.69	3859960.89	8.87817	6.74604	2.9175	2.57813	1.45E+00	5.23E+00	5.66E-01	1.90E-01	7.44E+00	1.43E+00	2.27E-04	6.20E-03	5.55E-03	1.44E+00	1.74E+00	5.23E+00	5.66E-01	1.90E-01	7.73E+00
5506	491330.28	3860063.17	8.76536	7.09709	2.8696	2.73635	1.43E+00	5.51E+00	5.56E-01	2.01E-01	7.70E+00	1.41E+00	2.38E-04	6.10E-03	5.89E-03	1.42E+00	1.72E+00	5.51E+00	5.56E-01	2.01E-01	7.98E+00
5507	491636.45	3860180.75	8.43431	6.64704	2.5095	2.67658	1.38E+00	5.16E+00	4.87E-01	1.97E-01	7.22E+00	1.36E+00	2.23E-04	5.34E-03	5.76E-03	1.37E+00	1.65E+00	5.16E+00	4.87E-01	1.97E-01	7.49E+00
5508	491617.94	3860203.93	8.2567	6.78466	2.5303	2.66569	1.35E+00	5.26E+00	4.91E-01	1.96E-01	7.30E+00	1.33E+00	2.28E-04	5.38E-03	5.74E-03	1.34E+00	1.62E+00	5.26E+00	4.91E-01	1.96E-01	7.57E+00
5509	491805.68	3860271.59	7.96965	6.4997	2.3554	2.6416	1.30E+00	5.04E+00	4.57E-01	1.94E-01	7.00E+00	1.28E+00	2.18E-04	5.01E-03	5.69E-03	1.30E+00	1.56E+00	5.04E+00	4.57E-01	1.94E-01	7.25E+00
5510	491654.23	3860414.02	7.16541	7.06738	2.1678	2.60594	1.17E+00	5.48E+00	4.20E-01	1.92E-01	7.27E+00	1.15E+00	2.37E-04	4.61E-03	5.61E-03	1.17E+00	1.40E+00	5.48E+00	4.20E-01	1.92E-01	7.50E+00
5511	491592.62	3860510.76	7.0996	7.30026	2.1475	2.41824	1.16E+00	5.66E+00	4.16E-01	1.78E-01	7.42E+00	1.14E+00	2.45E-04	4.57E-03	5.21E-03	1.15E+00	1.39E+00	5.66E+00	4.16E-01	1.78E-01	7.65E+00
5512	491475.41	3860368.93	7.27888	7.27364	2.2822	2.48249	1.19E+00	5.64E+00	4.43E-01	1.83E-01	7.46E+00	1.17E+00	2.44E-04	4.85E-03	5.34E-03	1.18E+00	1.42E+00	5.64E+00	4.43E-01	1.83E-01	7.69E+00
5513	491445.61	3860337.28	7.29499	7.34107	2.3067	2.48231	1.19E+00	5.69E+00	4.47E-01	1.83E-01	7.52E+00	1.18E+00	2.47E-04	4.90E-03	5.34E-03	1.19E+00	1.43E+00	5.69E+00	4.47E-01	1.83E-01	7.75E+00
5514	491399.05	3860300.37	7.4096	7.44326	2.3574	2.51802	1.21E+00	5.77E+00	4.57E-01	1.85E-01	7.63E+00	1.19E+00	2.50E-04	5.01E-03	5.42E-03	1.20E+00	1.45E+00	5.77E+00	4.57E-01	1.85E-01	7.87E+00
5515	491228.84	3860235.98	7.84166	7.74989	2.5125	2.57223	1.28E+00	6.01E+00	4.87E-01	1.89E-01	7.97E+00	1.26E+00	2.60E-04	5.34E-03	5.54E-03	1.27E+00	1.53E+00	6.01E+00	4.87E-01	1.89E-01	8.22E+00
5516	491228.47	3860174.57	7.81426	7.69362	2.499	2.61011	1.28E+00	5.97E+00	4.85E-01	1.92E-01	7.92E+00	1.26E+00	2.58E-04	5.31E-03	5.62E-03	1.27E+00	1.53E+00	5.97E+00	4.85E-01	1.92E-01	8.17E+00
5517	491145.77	3860112.55	8.05436	7.71108	2.5532	2.721	1.32E+00	5.98E+00	4.95E-01	2.00E-01	7.99E+00	1.30E+00	2.59E-04	5.43E-03	5.86E-03	1.31E+00	1.58E+00	5.98E+00	4.95E-01	2.00E-01	8.25E+00
5518	490844.41	3859966.22	8.98919	8.27177	2.9014	2.77259	1.47E+00	6.42E+00	5.63E-01	2.04E-01	8.65E+00	1.45E+00	2.78E-04	6.17E-03	5.97E-03	1.46E+00	1.76E+00	6.42E+00	5.63E-01	2.04E-01	8.94E+00
5519	490845.55	3859928.15	8.95503	8.09275	2.8829	2.71395	1.46E+00	6.28E+00	5.59E-01	2.00E-01	8.50E+00	1.44E+00	2.72E-04	6.13E-03	5.84E-03	1.46E+00	1.75E+00	6.28E+00	5.59E-01	2.00E-01	8.79E+00
5520	490046.91	3859625.6	10.8295	10.4143	3.6725	3.06054	1.77E+00	8.08E+00	7.12E-01	2.25E-01	1.08E+01	1.74E+00	3.50E-04	7.81E-03	6.59E-03	1.76E+00	2.12E+00	8.08E+00	7.12E-01	2.25E-01	1.11E+01
5521	489970.48	3859589.4	11.0643	10.7325	3.7061	3.11191	1.81E+00	8.33E+00	7.19E-01	2.29E-01	1.11E+01	1.78E+00	3.61E-04	7.88E-03	6.70E-03	1.80E+00	2.17E+00	8.33E+00	7.19E-01	2.29E-01	1.14E+01
5522	489865.89	3859529.06	11.4057	11.1217	3.7773	3.26216	1.87E+00	8.63E+00	7.32E-01	2.40E-01	1.15E+01	1.84E+00	3.74E-04	8.03E-03	7.02E-03	1.85E+00	2.23E+00	8.63E+00	7.32E-01	2.40E-01	1.18E+01
5523	489826.89	3859531.74	11.6599	11.389	3.7272	3.29487	1.91E+00	8.83E+00	7.23E-01	2.43E-01	1.17E+01	1.88E+00	3.83E-04	7.92E-03	7.09E-03	1.89E+00	2.28E+00	8.83E+00	7.23E-01	2.43E-01	1.21E+01
5524	489410.47	3859303.06	12.9936	12.9846	3.9291	2.92104	2.13E+00	1.01E+01	7.62E-01	2.15E-01	1.32E+01	2.09E+00	4.36E-04	8.35E-03	6.29E-03	2.11E+00	2.54E+00	1.01E+01	7.62E-01	2.15E-01	1.36E+01
5525	489407.15	3859286.09	12.8718	12.8797	4.026	2.94907	2.11E+00	9.99E+00	7.81E-01	2.17E-01	1.31E+01	2.07E+00	4.33E-04	8.56E-03	6.35E-03	2.09E+00	2.52E+00	9.99E+00	7.81E-01	2.17E-01	1.35E+01
5526	488806.07	3858963.62	15.5147	17.7565	2.6332	3.05967	2.54E+00	1.38E+01	5.11E-01	2.25E-01	1.70E+01	2.50E+00	5.96E-04	5.60E-03	6.59E-03	2.51E+00	3.04E+00	1.38E+01	5.11E-01	2.25E-01	1.75E+01
5527	488817.64	3859546.3	13.1204	24.9892	1.4532	5.74814	2.15E+00	1.94E+01	2.82E-01	4.23E-01	2.22E+01	2.11E+00	8.39E-04	3.09E-03	1.24E-02	2.13E+00	2.57E+00	1.94E+01	2.82E-01	4.23E-01	2.27E+01
5528	489187.25	3859549.52	13.1573	17.3164	1.4053	3.43017	2.15E+00	1.34E+01	2.72E-01	2.53E-01	1.61E+01	2.12E+00	5.82E-04	2.99E-03	7.38E-03	2.13E+00	2.57E+00	1.34E+01	2.72E-01	2.53E-01	1.65E+01
5529	489187.66	3859523.74	13.3463	17.3051	1.4636	3.59491	2.18E+00	1.34E+01	2.84E-01	2.65E-01	1.62E+01	2.15E+00	5.81E-04	3.11E-03	7.74E-03	2.16E+00	2.61E+00	1.34E+01	2.84E-01	2.65E-01	1.66E+01
5530	489232.59	3859522.85	11.9624	16.6325	1.6008	3.45913	1.96E+00	1.29E+01	3.10E-01	2.55E-01	1.54E+01	1.93E+00	5.59E-04	3.40E-03	7.45E-03	1.94E+00	2.34E+00	1.29E+01	3.10E-01	2.55E-01	1.58E+01
5531	489224.98	3859759.91	12.0339	16.6024	1.3806	3.60922	1.97E+00	1.29E+01	2.68E-01	2.66E-01	1.54E+01	1.94E+00	5.58E-04	2.94E-03	7.77E-03	1.95E+00	2.35E+00	1.29E+01	2.68E-01	2.66E-01	1.58E+01
5532	488401.39	3859763.34	12.7596	25.9568	1.1541	9.75853	2.09E+00	2.01E+01	2.24E-01	7.18E-01	2.32E+01	2.06E+00	8.72E-04	2.45E-03	2.10E-02	2.08E+00	2.50E+00	2.01E+01	2.24E-01	7.18E-01	2.36E+01
5533	488405.51	3859966.16	11.7674	26.0414	1.079	3.90804	1.92E+00	2.02E+01	2.09E-01	2.88E-01	2.26E+01	1.90E+00	8.75E-04	2.29E-03	8.41E-03	1.91E+00	2.30E+00	2.02E+01	2.09E-01	2.88E-01	2.30E+01
5534	489202.85	3859956.57	12.0498	14.6135	1.2597	5.90729	1.97E+00	1.13E+01	2.44E-01	4.35E-01	1.40E+01	1.94E+00	4.91E-04	2.68E-03	1.27E-02	1.96E+00	2.36E+00	1.13E+01	2.44E-01	4.35E-01	1.44E+01
5535	489191.9	3860676.74	9.2165	22.097	0.7367	2.32329	1.51E+00	1.71E+01	1.43E-01	1.71E-01	1.90E+01	1.49E+00	7.42E-04	1.57E-03	5.00E-03	1.49E+00	1.80E+00	1.71E+01	1.43E-01	1.71E-01	1.93E+01
5536	488392.82	3860687.88	8.6721	21.1554	0.8337	1.83473	1.42E+00	1.64E+01	1.62E-01	1.35E-01	1.81E+01	1.40E+00	7.11E-04	1.77E-03	3.95E-03	1.40E+00	1.70E+00	1.64E+01	1.62E-01	1.35E-01	1.84E+01
5537	488392.82	3860760.27	8.63105	19.2594	0.8103	1.73085	1.41E+00	1.49E+01	1.57E-01	1.27E-01	1.66E+01	1.39E+00	6.47E-04	1.72E-03	3.73E-03	1.40E+00	1.69E+00	1.49E+01	1.57E-01	1.27E-01	1.69E+01
5538	487549.05	3860777.45	7.51197	12.3107	0.6869	1.58066	1.23E+00	9.55E+00	1.33E-01	1.16E-01	1.10E+01	1.21E+00	4.14E-04	1.46E-03	3.40E-03	1.22E+00	1.47E+00	9.55E+00	1.33E-01	1.16E-01	1.13E+01
5539	487554.62	3859571.83	10.7655	21.1757	1.1079	3.72969	1.76E+00	1.64E+01	2.15E-01	2.75E-01	1.87E+01	1.73E+00	7.11E-04	2.36E-03	8.03E-03	1.75E+00	2.11E+00	1.64E+01	2.15E-01	2.75E-01	1.90E+01
5540	485949.46	3859558.54	7.08056	9.28533	2.2715	1.71955	1.16E+00	7.20E+00	4.40E-01	1.27E-01	8.93E+00	1.14E+00	3.12E-04	4.83E-03	3.70E-03	1.15E+00	1.39E+00	7.20E+00	4.40E-01	1.27E-01	9.16E+00
5541	485947.55	3857943.61	12.0763	19.2522	4.8301	1.52747	1.98E+00	1.49E+01	9.37E-01	1.12E-01	1.80E+01	1.95E+00	6.47E-04	1.03E-02	3.29E-03	1.96E+00	2.36E+00	1.49E+01	9.37E-01	1.12E-01	1.83E+01
5542	484738.38	3857940.21	8.4051	11.0959	2.4756	1.22021	1.37E+00	8.61E+00	4.80E-01	8.98E-02	1.06E+01	1.35E+00	3.73E-04	5.26E-03	2.63E-03	1.36E+00	1.64E+00	8.61E+00	4.80E-01	8.98E-02	1.08E+01
5543	484737.06	3857535.68	9.70372	14.721	2.9887	1.35246	1.59E+00	1.14E+01	5.80E-01	9.96E-02	1.37E+01	1.56E+00	4.95E-04	6.35E-03	2.91E-03	1.57E+00	1.90E+00	1.14E+01	5.80E-01	9.96E-02	1.40E+01
5544	483730.2	3857530.13	8.2709	8.92835	1.7733	1.55817	1.35E+00	6.93E+00	3.44E-01	1.15E-01	8.74E+00	1.33E+00	3.00E-04	3.77E-03	3.35E-03	1.34E+00	1.62E+00	6.93E+00	3.44E-01	1.15E-01	9.00E+00
5545	483727.27	3857130.01	9.09892	14.7853	2.6604	1.8386	1.49E+00	1.15E+01	5.16E-01	1.35E-01	1.36E+01	1.47E+00	4.97E-04	5.66E-03	3.96E-03	1.48E+00	1.78E+00	1.15E+01	5.16E-01	1.35E-01	1.39E+01
5546	483124.42	3857123.45	8.35361	9.02738	1.8539	1.61554	1.37E+00	7.00E+00	3.59E-01	1.19E-01	8.85E+00	1.35E+00	3.03E-04	3.94E-03	3.48E-03	1.35E+00	1.63E+00	7.00E+00	3.59E-01	1.19E-01	9.12E+00
5547	483111.13	3855921.03	11.8007	18.6767	1.2373	3.36291	1.93E+00	1.45E+01	2.40E-01	2.48E-01	1.69E+01	1.90E+00	6.27E-04	2.63E-03	7.24E-03	1.91E+00	2.31E+00	1.45E+01	2.40E-01	2.48E-01	1.73E+01

5548	482701.73	3855918.24	10.8546	13.154	1.3489	2.31855	1.78E+00	1.02E+01	2.62E-01	1.71E-01	1.24E+01	1.75E+00	4.42E-04	2.87E-03	4.99E-03	1.76E+00	2.12E+00	1.02E+01	2.62E-01	1.71E-01	1.28E+01
5549	482668.02	3853521.78	11.5896	4.91073	0.396	0.81404	1.90E+00	3.81E+00	7.68E-02	5.99E-02	5.84E+00	1.87E+00	1.65E-04	8.42E-04	1.75E-03	1.87E+00	2.27E+00	3.81E+00	7.68E-02	5.99E-02	6.21E+00
5550	482579.91	3853219.19	12.9428	4.43028	0.3747	0.73676	2.12E+00	3.44E+00	7.27E-02	5.42E-02	5.68E+00	2.09E+00	1.49E-04	7.97E-04	1.59E-03	2.09E+00	2.53E+00	3.44E+00	7.27E-02	5.42E-02	6.10E+00
5551	482434.06	3852961.94	13.3403	4.15125	0.3563	0.67086	2.18E+00	3.22E+00	6.91E-02	4.94E-02	5.52E+00	2.15E+00	1.39E-04	7.58E-04	1.44E-03	2.15E+00	2.61E+00	3.22E+00	6.91E-02	4.94E-02	5.95E+00
5552	482332.11	3852832.85	12.6562	3.99048	0.3501	0.63485	2.07E+00	3.10E+00	6.79E-02	4.67E-02	5.28E+00	2.04E+00	1.34E-04	7.44E-04	1.37E-03	2.04E+00	2.48E+00	3.10E+00	6.79E-02	4.67E-02	5.69E+00
5553	481334.99	3851818.96	9.05669	3.33296	0.2982	0.44233	1.48E+00	2.59E+00	5.78E-02	3.26E-02	4.16E+00	1.46E+00	1.12E-04	6.34E-04	9.52E-04	1.46E+00	1.77E+00	2.59E+00	5.78E-02	3.26E-02	4.45E+00
5554	481127.62	3851646.36	8.32046	3.37703	0.2902	0.43664	1.36E+00	2.62E+00	5.63E-02	3.21E-02	4.07E+00	1.34E+00	1.13E-04	6.17E-04	9.40E-04	1.34E+00	1.63E+00	2.62E+00	5.63E-02	3.21E-02	4.34E+00
5555	481025.04	3851591.73	7.96622	3.4256	0.2855	0.42621	1.30E+00	2.66E+00	5.54E-02	3.14E-02	4.05E+00	1.28E+00	1.15E-04	6.07E-04	9.18E-04	1.29E+00	1.56E+00	2.66E+00	5.54E-02	3.14E-02	4.30E+00
5556	480513.6	3851335.76	5.97403	3.31831	0.2748	0.39383	9.77E-01	2.57E+00	5.33E-02	2.90E-02	3.63E+00	9.63E-01	1.11E-04	5.84E-04	8.48E-04	9.64E-01	1.17E+00	2.57E+00	5.33E-02	2.90E-02	3.83E+00
5557	480523.56	3851317.66	6.28989	3.31047	0.2746	0.39107	1.03E+00	2.57E+00	5.33E-02	2.88E-02	3.68E+00	1.01E+00	1.11E-04	5.84E-04	8.42E-04	1.02E+00	1.23E+00	2.57E+00	5.33E-02	2.88E-02	3.88E+00
5558	476921.56	3849569.11	2.83421	2.59499	0.2086	0.25096	4.64E-01	2.01E+00	4.04E-02	1.85E-02	2.54E+00	4.57E-01	8.72E-05	4.43E-04	5.40E-04	4.58E-01	5.55E-01	2.01E+00	4.04E-02	1.85E-02	2.63E+00
5559	476521.19	3849373.96	2.66119	1.92632	0.2021	0.24959	4.35E-01	1.49E+00	3.92E-02	1.84E-02	1.99E+00	4.29E-01	6.47E-05	4.30E-04	5.37E-04	4.30E-01	5.21E-01	1.49E+00	3.92E-02	1.84E-02	2.07E+00
5560	476391.45	3849333.38	2.53453	1.61415	0.2005	0.24698	4.15E-01	1.25E+00	3.89E-02	1.82E-02	1.72E+00	4.08E-01	5.42E-05	4.26E-04	5.32E-04	4.09E-01	4.96E-01	1.25E+00	3.89E-02	1.82E-02	1.81E+00
5561	476219.41	3849304.29	2.38662	1.56131	0.1987	0.24976	3.90E-01	1.21E+00	3.85E-02	1.84E-02	1.66E+00	3.85E-01	5.24E-05	4.22E-04	5.38E-04	3.86E-01	4.67E-01	1.21E+00	3.85E-02	1.84E-02	1.74E+00
5562	475679.11	3849218.47	2.26899	1.35979	0.1924	0.25074	3.71E-01	1.05E+00	3.73E-02	1.85E-02	1.48E+00	3.66E-01	4.57E-05	4.09E-04	5.40E-04	3.67E-01	4.44E-01	1.05E+00	3.73E-02	1.85E-02	1.55E+00
5563	475677.71	3849233.88	2.32317	1.36502	0.1926	0.2507	3.80E-01	1.06E+00	3.73E-02	1.85E-02	1.49E+00	3.74E-01	4.59E-05	4.10E-04	5.40E-04	3.75E-01	4.55E-01	1.06E+00	3.73E-02	1.85E-02	1.57E+00
5564	475492.74	3849204.66	2.10271	1.14973	0.1899	0.24175	3.44E-01	8.92E-01	3.68E-02	1.78E-02	1.29E+00	3.39E-01	3.86E-05	4.04E-04	5.20E-04	3.40E-01	4.11E-01	8.92E-01	3.68E-02	1.78E-02	1.36E+00
5565	475497.64	3849158.75	2.15685	1.25459	0.1891	0.24544	3.53E-01	9.73E-01	3.67E-02	1.81E-02	1.38E+00	3.48E-01	4.21E-05	4.02E-04	5.28E-04	3.49E-01	4.22E-01	9.73E-01	3.67E-02	1.81E-02	1.45E+00
5566	475391.35	3849141.94	2.18598	1.26574	0.1896	0.23918	3.58E-01	9.82E-01	3.68E-02	1.76E-02	1.39E+00	3.52E-01	4.25E-05	4.03E-04	5.15E-04	3.53E-01	4.28E-01	9.82E-01	3.68E-02	1.76E-02	1.46E+00
5567	475277	3849095.47	2.18572	1.28016	0.1893	0.23586	3.57E-01	9.93E-01	3.67E-02	1.74E-02	1.40E+00	3.52E-01	4.30E-05	4.02E-04	5.08E-04	3.53E-01	4.28E-01	9.93E-01	3.67E-02	1.74E-02	1.47E+00
5568	475183.93	3849025.66	2.12252	1.23543	0.1878	0.23364	3.47E-01	9.58E-01	3.64E-02	1.72E-02	1.36E+00	3.42E-01	4.15E-05	3.99E-04	5.03E-04	3.43E-01	4.15E-01	9.58E-01	3.64E-02	1.72E-02	1.43E+00
5569	474453.23	3848378.77	1.80984	1.09025	0.1766	0.22058	2.96E-01	8.46E-01	3.42E-02	1.62E-02	1.19E+00	2.92E-01	3.66E-05	3.75E-04	4.75E-04	2.93E-01	3.54E-01	8.46E-01	3.42E-02	1.62E-02	1.25E+00
5570	474569.63	3848399.34	1.68598	1.14367	0.1771	0.22476	2.76E-01	8.87E-01	3.43E-02	1.65E-02	1.21E+00	2.72E-01	3.84E-05	3.77E-04	4.84E-04	2.73E-01	3.30E-01	8.87E-01	3.43E-02	1.65E-02	1.27E+00
5571	474644.33	3848464.52	1.74196	1.16342	0.1782	0.2265	2.85E-01	9.02E-01	3.45E-02	1.67E-02	1.24E+00	2.81E-01	3.91E-05	3.79E-04	4.88E-04	2.82E-01	3.41E-01	9.03E-01	3.45E-02	1.67E-02	1.29E+00
5572	474719.04	3848529.7	1.79457	1.17273	0.1791	0.22769	2.94E-01	9.10E-01	3.47E-02	1.68E-02	1.25E+00	2.89E-01	3.94E-05	3.81E-04	4.90E-04	2.90E-01	3.51E-01	9.10E-01	3.47E-02	1.68E-02	1.31E+00
5573	474793.74	3848594.88	1.83305	1.17198	0.1799	0.22891	3.00E-01	9.09E-01	3.49E-02	1.69E-02	1.26E+00	2.95E-01	3.94E-05	3.82E-04	4.93E-04	2.96E-01	3.59E-01	9.09E-01	3.49E-02	1.69E-02	1.32E+00
5574	474868.45	3848660.07	1.8813	1.15863	0.1806	0.23016	3.08E-01	8.99E-01	3.50E-02	1.69E-02	1.26E+00	3.03E-01	3.89E-05	3.84E-04	4.95E-04	3.04E-01	3.68E-01	8.99E-01	3.50E-02	1.69E-02	1.32E+00
5575	474943.15	3848725.25	1.96067	1.15821	0.1814	0.23141	3.21E-01	8.98E-01	3.52E-02	1.70E-02	1.27E+00	3.16E-01	3.89E-05	3.86E-04	4.98E-04	3.17E-01	3.84E-01	8.98E-01	3.52E-02	1.70E-02	1.33E+00
5576	475017.86	3848790.43	2.03648	1.18012	0.1826	0.23266	3.33E-01	9.15E-01	3.54E-02	1.71E-02	1.30E+00	3.28E-01	3.96E-05	3.88E-04	5.01E-04	3.29E-01	3.98E-01	9.15E-01	3.54E-02	1.71E-02	1.37E+00
5577	475092.56	3848855.61	2.10141	1.20924	0.1839	0.23391	3.44E-01	9.38E-01	3.57E-02	1.72E-02	1.33E+00	3.39E-01	4.06E-05	3.91E-04	5.04E-04	3.40E-01	4.11E-01	9.38E-01	3.57E-02	1.72E-02	1.40E+00
5578	475232.58	3848959.38	2.12065	1.24526	0.1859	0.23753	3.47E-01	9.66E-01	3.61E-02	1.75E-02	1.37E+00	3.42E-01	4.18E-05	3.95E-04	5.11E-04	3.43E-01	4.15E-01	9.66E-01	3.61E-02	1.75E-02	1.43E+00
5579	475368.47	3849029.98	2.17204	1.26042	0.1872	0.24267	3.55E-01	9.78E-01	3.63E-02	1.79E-02	1.39E+00	3.50E-01	4.23E-05	3.98E-04	5.22E-04	3.51E-01	4.25E-01	9.78E-01	3.63E-02	1.79E-02	1.46E+00
5580	475609.57	3849096.09	1.97997	1.20821	0.1893	0.24654	3.24E-01	9.37E-01	3.67E-02	1.82E-02	1.32E+00	3.19E-01	4.06E-05	4.02E-04	5.31E-04	3.20E-01	3.87E-01	9.37E-01	3.67E-02	1.82E-02	1.38E+00
5581	475680.68	3849116.62	1.99998	1.21918	0.1905	0.25003	3.27E-01	9.46E-01	3.69E-02	1.84E-02	1.33E+00	3.22E-01	4.10E-05	4.05E-04	5.38E-04	3.23E-01	3.91E-01	9.46E-01	3.69E-02	1.84E-02	1.39E+00
5582	475843.76	3849151.52	2.20981	1.35785	0.1927	0.25086	3.61E-01	1.05E+00	3.74E-02	1.85E-02	1.47E+00	3.56E-01	4.56E-05	4.10E-04	5.40E-04	3.57E-01	4.32E-01	1.05E+00	3.74E-02	1.85E-02	1.54E+00
5583	475935.73	3849165.89	2.31817	1.37337	0.1943	0.25099	3.79E-01	1.07E+00	3.77E-02	1.85E-02	1.50E+00	3.74E-01	4.61E-05	4.13E-04	5.40E-04	3.75E-01	4.54E-01	1.07E+00	3.77E-02	1.85E-02	1.58E+00
5584	476027.71	3849180.27	2.31843	1.49396	0.1958	0.2482	3.79E-01	1.16E+00	3.80E-02	1.83E-02	1.59E+00	3.74E-01	5.02E-05	4.16E-04	5.34E-04	3.75E-01	4.54E-01	1.16E+00	3.80E-02	1.83E-02	1.67E+00
5585	476119.68	3849194.64	2.34387	1.49809	0.196	0.24467	3.83E-01	1.16E+00	3.80E-02	1.80E-02	1.60E+00	3.78E-01	5.03E-05	4.17E-04	5.27E-04	3.79E-01	4.59E-01	1.16E+00	3.80E-02	1.80E-02	1.68E+00
5586	476211.65	3849209.01	2.45887	1.48417	0.1969	0.24352	4.02E-01	1.15E+00	3.82E-02	1.79E-02	1.61E+00	3.96E-01	4.99E-05	4.19E-04	5.24E-04	3.97E-01	4.81E-01	1.15E+00	3.82E-02	1.79E-02	1.69E+00
5587	476497.8	3849283.9	2.75576	1.89094	0.2003	0.24477	4.51E-01	1.47E+00	3.88E-02	1.80E-02	1.97E+00	4.44E-01	6.35E-05	4.26E-04	5.27E-04	4.45E-01	5.39E-01	1.47E+00	3.88E-02	1.80E-02	2.06E+00
5588	476603.73	3849323.77	2.71902	2.15219	0.2019	0.24437	4.45E-01	1.67E+00	3.92E-02	1.80E-02	2.17E+00	4.38E-01	7.23E-05	4.29E-04	5.26E-04	4.39E-01	5.32E-01	1.67E+00	3.92E-02	1.80E-02	2.26E+00
5589	476728.99	3849382.76	2.71643	2.32713	0.2038	0.24383	4.44E-01	1.81E+00	3.95E-02	1.80E-02	2.31E+00	4.38E-01	7.82E-05	4.33E-04	5.25E-04	4.39E-01	5.32E-01	1.81E+00	3.95E-02	1.80E-02	2.39E+00
5590	476801.27	3849418.65	2.7106	2.36667	0.205	0.24617	4.43E-01	1.84E+00	3.98E-02	1.81E-02	2.34E+00	4.37E-01	7.95E-05	4.36E-04	5.30E-04	4.38E-01	5.30E-01	1.84E+00	3.98E-02	1.81E-02	2.42E+00
5591	476956.2	3849495.05	2.74738	2.4655	0.2076	0.25145	4.49E-01	1.91E+00	4.02E-02	1.85E-02	2.42E+00	4.43E-01	8.28E-05	4.41E-04	5.41E-04	4.44E-01	5.38E-01	1.91E+00	4.02E-02	1.85E-02	2.51E+00
5592	477038.84	3849535.56	2.92128	2.50584	0.2087	0.25434	4.78E-01	1.94E+00	4.05E-02	1.87E-02	2.48E+00	4.71E-01	8.42E-05	4.44E-04	5.48E-04	4.72E-01	5.72E-01	1.94E+00	4.05E-02	1.87E-02	2.57E+00
5593	477121.48	3849576.08	3.02841	2.55249	0.21	0.25718	4.95E-01	1.98E+00	4.07E-02	1.89E-02	2.53E+00	4.88E-01	8.57E-05	4.46E-04	5.54E-04	4.89E-01	5.93E-01	1.98E+00	4.07E-02	1.89E-02	2.63E+00
5594	477204.13	3849616.6	3.13332	2.57092	0.2112	0.26122	5.12E-01	1.99E+00	4.09E-02	1.92E-02	2.57E+00	5.05E-01	8.64E-05	4.49E-04	5.62E-04	5.06E-01	6.13E-01	1.99E+00	4.09E-02	1.92E-02	2.67E+00
5595	477286.78	3849657.12	3.2667	2.52904	0.2117	0.26013	5.34E-01	1.96E+00	4.10E-02	1.92E-02	2.56E+00	5.26E-01	8.50E-05	4.50E-04	5.60E-04	5.27E-01	6.39E-01	1.96E+00	4.10E-02	1.92E-02	2.66E+00
5596	477369.42	3849697.63	3.31231	2.63151	0.2138	0.25697	5.42E-01	2.04E+00	4.15E-02	1.89E-02	2.64E+00	5.34E-01	8.84E-05	4.55E-04	5.53E-04	5.35E-01	6.48E-01	2.04E+00	4.15E-02	1.89E-02	2.75E+00
5597	477452.07	3849738.15	3.35815	2.6345	0.2149	0.25172	5.49E-01	2.04E+00	4.17E-02	1.85E-02	2.65E+00	5.41E-01	8.85E-05	4.57E-04	5.42E-04	5.42E-01	6.57E-01	2.04E+00	4.17E-02	1.85E-02	2.76E+00
5598	477534.71	3849778.67	3.40708	2.73185	0.2168	0.24555	5.57E-01	2.12E+00	4.20E-02	1.81E-02	2.74E+00	5.49E-01	9.18E-05	4.61E-04	5.29E-04	5.50E-01	6.67E-01	2.12E+00	4.20E-02	1.81E-02	2.85E+00
5599	477617.35	3849819.18	3.4411	2.76858	0.2181	0.23946	5.63E-01	2.15E+00	4.23E-02	1.76E-02	2.77E+00	5.54E-01	9.30E-05	4.64E-04	5.15E-04	5.56E-01	6.73E-01	2.15E+00	4.23E-02	1.76E-02	2.88E+00
5600	477824.74	3849896.37	3.14188	2.84318	0.2215	0.23019	5.14E-01	2.21E+00	4.30E-02	1.69E-02	2.78E+00	5.06E-01	9.55E-05	4.71E-04	4.96E-04	5.07E-01	6.15E-01	2.21E+00	4.30E-02	1.69E-02	2.88E+00
5601	477906.31	3849936.37	3.02472	2.7134	0.2219	0.22898	4.95E-01	2.10E+00	4.30E-02	1.69E-02	2.66E+00	4.87E-01	9.11E-05	4.72E-04	4.93E-04	4.88E-01	5.92E-01	2.10E+00	4.30E-02	1.69E-02	2.76E+00
5602	477987.89	3849976.36	2.95791	2.8047	0.2236	0.22932	4.84E-01	2.18E+00	4.34E-02	1.69E-02	2.72E+00	4.77E-01	9.42E-05	4.75E-04	4.94E-04	4.78E-01	5.79E-01	2.18E+00	4.34E-02	1.69E-02	2.81E+00
5603	478069.47	3850016.36	2.88315	2.67637	0.2244	0.23078	4.72E-01	2.08E+00	4.35E-02	1.70E-02	2.61E+00	4.65E-01	8.99E-05	4.77E-04	4.97E-04	4.66E-01	5.64E-01	2.08E+00	4.35E-02	1.70E-02	2.70E+00
5604	478151.04	3850056.35	2.82184	2.63431	0.2251	0.23398	4.62E-01	2.04E+00	4.37E-02	1.72E-02	2.57E+00	4.55E-01	8.85E-05	4.79E-04	5.04E-04	4.56E-01	5.52E-01	2.04E+00	4.37E-02	1.72E-02	2.66E+00
5605	478232.62	3850096.35	2.78584	2.65618	0.2265	0.24031	4.56E-01	2.06E+00	4.39E-02	1.77E-02	2.58E+00	4.49E-01	8.92E-05	4.82E-04	5.17E-04	4.50E-01	5.45E-01	2.06E+00	4.39E-02	1.77E-02	2.67E+00
5606	478314.2	3850136.34	2.8001	2.71458	0.2292	0.24612	4.58E-01	2.11E+00	4.44E-02	1.81E-02	2.63E+00	4.51E-01	9.12E-05	4.87E-04	5.30E-04	4.52E-01	5.48E-01	2.11E+00	4.44E-02	1.81E-02	2.72E+00
5607	478395.77	3850176.34	2.81364	2.77447	0.2329	0.25204	4.60E-01	2.15E+00	4.52E-02	1.86E-02	2.68E+00	4.53E-01	9.32E-05	4.95E-04	5.43E-04	4.54E-01	5.51E-01	2.15E+00	4.52E-02	1.86E-02	2.77E+00
5608	478575.43	3850244.45	2.94608	2.763	0.2376	0.26716	4.82E-01	2.14E+00	4.61E-02	1.97E-02	2.69E+00	4.75E-01	9.28E-05	5.05E-04	5.75E-04	4.76E-01	5.76E-01	2.14E+00	4.61E-02	1.97E-02	2.79E+00

5609	478665.06	3850287.29	2.88558	2.74867	0.2389	0.27265	4.72E-01	2.13E+00	4.63E-02	2.01E-02	2.67E+00	4.65E-01	9.23E-05	5.08E-04	5.87E-04	4.66E-01	5.65E-01	2.13E+00	4.63E-02	2.01E-02	2.76E+00
5610	478754.69	3850330.14	3.20384	2.79603	0.2389	0.27258	5.24E-01	2.17E+00	4.63E-02	2.01E-02	2.76E+00	5.16E-01	9.39E-05	5.08E-04	5.87E-04	5.17E-01	6.27E-01	2.17E+00	4.63E-02	2.01E-02	2.86E+00
5611	478844.32	3850372.99	3.13177	2.75814	0.2387	0.27305	5.12E-01	2.14E+00	4.63E-02	2.01E-02	2.72E+00	5.05E-01	9.27E-05	5.07E-04	5.88E-04	5.06E-01	6.13E-01	2.14E+00	4.63E-02	2.01E-02	2.82E+00
5612	478933.95	3850415.84	2.98737	2.84209	0.2398	0.27115	4.89E-01	2.20E+00	4.65E-02	2.00E-02	2.76E+00	4.81E-01	9.55E-05	5.10E-04	5.84E-04	4.83E-01	5.85E-01	2.20E+00	4.65E-02	2.00E-02	2.86E+00
5613	479023.58	3850458.68	2.96174	2.87201	0.2415	0.27305	4.84E-01	2.23E+00	4.68E-02	2.01E-02	2.78E+00	4.77E-01	9.65E-05	5.14E-04	5.88E-04	4.78E-01	5.80E-01	2.23E+00	4.68E-02	2.01E-02	2.87E+00
5614	479110.66	3850441.9	3.34552	2.89625	0.2429	0.27487	5.47E-01	2.25E+00	4.71E-02	2.02E-02	2.86E+00	5.39E-01	9.73E-05	5.17E-04	5.92E-04	5.40E-01	6.55E-01	2.25E+00	4.71E-02	2.02E-02	2.97E+00
5615	479191.22	3850423.99	3.41437	2.76188	0.2438	0.27727	5.58E-01	2.14E+00	4.73E-02	2.04E-02	2.77E+00	5.50E-01	9.28E-05	5.18E-04	5.97E-04	5.51E-01	6.68E-01	2.14E+00	4.73E-02	2.04E-02	2.88E+00
5616	479274.32	3850465.71	3.43649	2.72372	0.2453	0.28162	5.62E-01	2.11E+00	4.76E-02	2.07E-02	2.74E+00	5.54E-01	9.15E-05	5.22E-04	6.06E-04	5.55E-01	6.72E-01	2.11E+00	4.76E-02	2.07E-02	2.85E+00
5617	479357.43	3850507.42	3.43976	2.62455	0.2463	0.28735	5.63E-01	2.04E+00	4.78E-02	2.12E-02	2.67E+00	5.54E-01	8.82E-05	5.24E-04	6.19E-04	5.55E-01	6.73E-01	2.04E+00	4.78E-02	2.12E-02	2.78E+00
5618	479440.53	3850549.14	3.54954	2.51017	0.2453	0.2947	5.81E-01	1.95E+00	4.76E-02	2.17E-02	2.60E+00	5.72E-01	8.43E-05	5.22E-04	6.34E-04	5.73E-01	6.95E-01	1.95E+00	4.76E-02	2.17E-02	2.71E+00
5619	479523.64	3850590.85	3.66172	2.54357	0.2447	0.30376	5.99E-01	1.97E+00	4.74E-02	2.24E-02	2.64E+00	5.90E-01	8.54E-05	5.20E-04	6.54E-04	5.91E-01	7.17E-01	1.97E+00	4.74E-02	2.24E-02	2.76E+00
5620	479606.74	3850632.57	3.80786	2.62071	0.2462	0.31553	6.23E-01	2.03E+00	4.77E-02	2.32E-02	2.73E+00	6.14E-01	8.80E-05	5.23E-04	6.79E-04	6.15E-01	7.45E-01	2.03E+00	4.77E-02	2.32E-02	2.85E+00
5621	479777.37	3850707.61	3.89356	2.69039	0.2491	0.33333	6.37E-01	2.09E+00	4.83E-02	2.45E-02	2.80E+00	6.27E-01	9.04E-05	5.30E-04	7.18E-04	6.29E-01	7.62E-01	2.09E+00	4.83E-02	2.45E-02	2.92E+00
5622	479864.9	3850740.95	4.42624	2.69786	0.2509	0.34511	7.24E-01	2.09E+00	4.87E-02	2.54E-02	2.89E+00	7.13E-01	9.06E-05	5.34E-04	7.43E-04	7.15E-01	8.66E-01	2.09E+00	4.87E-02	2.54E-02	3.03E+00
5623	479931.87	3850829.56	4.2581	2.81331	0.2536	0.34916	6.96E-01	2.18E+00	4.92E-02	2.57E-02	2.95E+00	6.86E-01	9.45E-05	5.39E-04	7.52E-04	6.88E-01	8.33E-01	2.18E+00	4.92E-02	2.57E-02	3.09E+00
5624	479995.55	3850926.75	4.25077	3.01637	0.2571	0.35402	6.95E-01	2.34E+00	4.99E-02	2.61E-02	3.11E+00	6.85E-01	1.01E-04	5.47E-04	7.62E-04	6.86E-01	8.32E-01	2.34E+00	4.99E-02	2.61E-02	3.25E+00
5625	480079.78	3850968.64	4.83504	3.02061	0.2596	0.35863	7.91E-01	2.34E+00	5.03E-02	2.64E-02	3.21E+00	7.79E-01	1.01E-04	5.52E-04	7.72E-04	7.81E-01	9.46E-01	2.34E+00	5.03E-02	2.64E-02	3.37E+00
5626	480164.01	3851010.54	5.39963	3.00852	0.2621	0.36838	8.83E-01	2.33E+00	5.08E-02	2.71E-02	3.29E+00	8.70E-01	1.01E-04	5.57E-04	7.93E-04	8.72E-01	1.06E+00	2.33E+00	5.08E-02	2.71E-02	3.47E+00
5627	480248.23	3851052.43	5.90386	3.01829	0.2647	0.37458	9.66E-01	2.34E+00	5.13E-02	2.76E-02	3.39E+00	9.51E-01	1.01E-04	5.63E-04	8.06E-04	9.53E-01	1.16E+00	2.34E+00	5.13E-02	2.76E-02	3.58E+00
5628	480332.46	3851094.33	6.19142	3.10768	0.2661	0.37629	1.01E+00	2.41E+00	5.16E-02	2.77E-02	3.50E+00	9.98E-01	1.04E-04	5.66E-04	8.10E-04	9.99E-01	1.21E+00	2.41E+00	5.16E-02	2.77E-02	3.70E+00
5629	480416.69	3851136.22	6.48815	3.11967	0.2663	0.37645	1.06E+00	2.42E+00	5.16E-02	2.77E-02	3.56E+00	1.05E+00	1.05E-04	5.66E-04	8.10E-04	1.05E+00	1.27E+00	2.42E+00	5.16E-02	2.77E-02	3.77E+00
5630	480579.95	3851215.17	7.14915	3.04081	0.2686	0.39164	1.17E+00	2.36E+00	5.21E-02	2.88E-02	3.61E+00	1.15E+00	1.02E-04	5.71E-04	8.43E-04	1.15E+00	1.40E+00	2.36E+00	5.21E-02	2.88E-02	3.84E+00
5631	480658.98	3851252.22	7.09838	3.09921	0.272	0.39218	1.16E+00	2.40E+00	5.27E-02	2.89E-02	3.65E+00	1.14E+00	1.04E-04	5.78E-04	8.44E-04	1.15E+00	1.39E+00	2.40E+00	5.27E-02	2.89E-02	3.87E+00
5632	480817.36	3851327.85	7.55935	3.08064	0.2787	0.39446	1.24E+00	2.39E+00	5.40E-02	2.90E-02	3.71E+00	1.22E+00	1.03E-04	5.93E-04	8.49E-04	1.22E+00	1.48E+00	2.39E+00	5.40E-02	2.90E-02	3.95E+00
5633	480896.72	3851366.42	7.90657	3.09005	0.281	0.40473	1.29E+00	2.40E+00	5.45E-02	2.98E-02	3.77E+00	1.27E+00	1.04E-04	5.97E-04	8.71E-04	1.28E+00	1.55E+00	2.40E+00	5.45E-02	2.98E-02	4.03E+00
5634	480976.07	3851405	8.02965	3.01162	0.2846	0.4148	1.31E+00	2.34E+00	5.52E-02	3.05E-02	3.74E+00	1.29E+00	1.01E-04	6.05E-04	8.93E-04	1.30E+00	1.57E+00	2.34E+00	5.52E-02	3.05E-02	3.99E+00
5635	481178	3851487.31	8.46668	2.90102	0.2947	0.41459	1.38E+00	2.25E+00	5.71E-02	3.05E-02	3.72E+00	1.36E+00	9.74E-05	6.27E-04	8.93E-04	1.37E+00	1.66E+00	2.25E+00	5.71E-02	3.05E-02	3.99E+00
5636	481244.9	3851557.17	8.63061	2.90051	0.2972	0.42038	1.41E+00	2.25E+00	5.76E-02	3.10E-02	3.75E+00	1.39E+00	9.74E-05	6.32E-04	9.05E-04	1.39E+00	1.69E+00	2.25E+00	5.76E-02	3.10E-02	4.03E+00
5637	481311.81	3851627.03	8.81507	2.88999	0.2996	0.42447	1.44E+00	2.24E+00	5.81E-02	3.13E-02	3.77E+00	1.42E+00	9.71E-05	6.37E-04	9.14E-04	1.42E+00	1.72E+00	2.24E+00	5.81E-02	3.13E-02	4.06E+00
5638	481378.71	3851696.89	9.02442	2.86492	0.3019	0.42919	1.48E+00	2.22E+00	5.85E-02	3.16E-02	3.79E+00	1.45E+00	9.62E-05	6.42E-04	9.24E-04	1.46E+00	1.77E+00	2.22E+00	5.85E-02	3.16E-02	4.08E+00
5639	481445.61	3851766.76	9.24593	2.85164	0.3043	0.4464	1.51E+00	2.21E+00	5.90E-02	3.29E-02	3.82E+00	1.49E+00	9.58E-05	6.47E-04	9.61E-04	1.49E+00	1.81E+00	2.21E+00	5.90E-02	3.29E-02	4.11E+00
5640	481512.51	3851836.62	9.48224	2.92802	0.3066	0.4543	1.55E+00	2.27E+00	5.94E-02	3.34E-02	3.92E+00	1.53E+00	9.84E-05	6.52E-04	9.78E-04	1.53E+00	1.86E+00	2.27E+00	5.94E-02	3.34E-02	4.22E+00
5641	481579.42	3851906.48	9.73197	2.90373	0.3088	0.46145	1.59E+00	2.25E+00	5.99E-02	3.40E-02	3.94E+00	1.57E+00	9.75E-05	6.57E-04	9.93E-04	1.57E+00	1.90E+00	2.25E+00	5.99E-02	3.40E-02	4.25E+00
5642	481646.32	3851976.34	9.98918	2.9097	0.3112	0.46903	1.63E+00	2.26E+00	6.04E-02	3.45E-02	3.99E+00	1.61E+00	9.77E-05	6.62E-04	1.01E-03	1.61E+00	1.95E+00	2.26E+00	6.04E-02	3.45E-02	4.31E+00
5643	481713.22	3852046.2	10.2692	2.94622	0.3131	0.47969	1.68E+00	2.29E+00	6.07E-02	3.53E-02	4.06E+00	1.65E+00	9.90E-05	6.66E-04	1.03E-03	1.66E+00	2.01E+00	2.29E+00	6.07E-02	3.53E-02	4.39E+00
5644	481780.12	3852116.06	10.5442	2.95515	0.3158	0.48925	1.72E+00	2.29E+00	6.12E-02	3.60E-02	4.11E+00	1.70E+00	9.93E-05	6.72E-04	1.05E-03	1.70E+00	2.06E+00	2.29E+00	6.12E-02	3.60E-02	4.45E+00
5645	481847.03	3852185.92	10.8294	3.12145	0.3191	0.50202	1.77E+00	2.42E+00	6.19E-02	3.70E-02	4.29E+00	1.74E+00	1.05E-04	6.78E-04	1.08E-03	1.75E+00	2.12E+00	2.42E+00	6.19E-02	3.70E-02	4.64E+00
5646	481913.93	3852255.78	11.1197	3.28268	0.3226	0.51701	1.82E+00	2.55E+00	6.26E-02	3.81E-02	4.47E+00	1.79E+00	1.10E-04	6.86E-04	1.11E-03	1.79E+00	2.18E+00	2.55E+00	6.26E-02	3.81E-02	4.82E+00
5647	481980.83	3852325.65	11.347	3.3836	0.3266	0.53075	1.86E+00	2.62E+00	6.33E-02	3.91E-02	4.58E+00	1.83E+00	1.14E-04	6.94E-04	1.14E-03	1.83E+00	2.22E+00	2.62E+00	6.33E-02	3.91E-02	4.95E+00
5648	482047.73	3852395.51	11.5993	3.39514	0.3298	0.55141	1.90E+00	2.63E+00	6.39E-02	4.06E-02	4.64E+00	1.87E+00	1.14E-04	7.01E-04	1.19E-03	1.87E+00	2.27E+00	2.63E+00	6.39E-02	4.06E-02	5.01E+00
5649	482114.64	3852465.37	11.8423	3.4506	0.334	0.56181	1.94E+00	2.68E+00	6.48E-02	4.14E-02	4.72E+00	1.91E+00	1.16E-04	7.10E-04	1.21E-03	1.91E+00	2.32E+00	2.68E+00	6.48E-02	4.14E-02	5.10E+00
5650	482181.54	3852535.23	12.1443	3.4549	0.3372	0.57629	1.99E+00	2.68E+00	6.54E-02	4.24E-02	4.77E+00	1.96E+00	1.16E-04	7.17E-04	1.24E-03	1.96E+00	2.38E+00	2.68E+00	6.54E-02	4.24E-02	5.16E+00
5651	482338.69	3852700.04	12.9981	3.72186	0.3463	0.62757	2.13E+00	2.89E+00	6.72E-02	4.62E-02	5.13E+00	2.09E+00	1.25E-04	7.36E-04	1.35E-03	2.10E+00	2.54E+00	2.89E+00	6.72E-02	4.62E-02	5.54E+00
5652	482404.05	3852767.78	13.4247	3.70855	0.3501	0.66351	2.20E+00	2.88E+00	6.79E-02	4.89E-02	5.19E+00	2.16E+00	1.25E-04	7.44E-04	1.43E-03	2.17E+00	2.63E+00	2.88E+00	6.79E-02	4.89E-02	5.62E+00
5653	482469.4	3852835.52	13.8984	3.68053	0.3539	0.67401	2.27E+00	2.85E+00	6.86E-02	4.96E-02	5.25E+00	2.24E+00	1.24E-04	7.52E-04	1.45E-03	2.24E+00	2.72E+00	2.86E+00	6.86E-02	4.96E-02	5.69E+00
5654	482534.75	3852903.25	14.44	3.70947	0.357	0.67901	2.36E+00	2.88E+00	6.92E-02	5.00E-02	5.36E+00	2.33E+00	1.25E-04	7.59E-04	1.46E-03	2.33E+00	2.83E+00	2.88E+00	6.92E-02	5.00E-02	5.82E+00
5655	482600.11	3852970.98	14.9169	3.88212	0.3608	0.68297	2.44E+00	3.01E+00	7.00E-02	5.03E-02	5.57E+00	2.40E+00	1.30E-04	7.67E-04	1.47E-03	2.41E+00	2.92E+00	3.01E+00	7.00E-02	5.03E-02	6.05E+00
5656	482706.71	3853119.28	15.5148	4.09114	0.3649	0.74165	2.54E+00	3.17E+00	7.08E-02	5.46E-02	5.84E+00	2.50E+00	1.37E-04	7.76E-04	1.60E-03	2.50E+00	3.04E+00	3.17E+00	7.08E-02	5.46E-02	6.33E+00
5657	482747.96	3853199.84	15.4358	4.23307	0.3715	0.759	2.52E+00	3.28E+00	7.20E-02	5.59E-02	5.94E+00	2.49E+00	1.42E-04	7.90E-04	1.63E-03	2.49E+00	3.02E+00	3.28E+00	7.20E-02	5.59E-02	6.43E+00
5658	482789.21	3853280.4	15.6301	4.34467	0.3761	0.76483	2.56E+00	3.37E+00	7.29E-02	5.63E-02	6.06E+00	2.52E+00	1.46E-04	8.00E-04	1.65E-03	2.52E+00	3.06E+00	3.37E+00	7.29E-02	5.63E-02	6.56E+00
5659	482830.46	3853360.96	15.6757	4.36614	0.3829	0.77837	2.56E+00	3.39E+00	7.42E-02	5.73E-02	6.08E+00	2.53E+00	1.47E-04	8.14E-04	1.68E-03	2.53E+00	3.07E+00	3.39E+00	7.42E-02	5.73E-02	6.59E+00
5660	482871.71	3853441.52	15.3087	4.44631	0.3891	0.80409	2.50E+00	3.45E+00	7.55E-02	5.92E-02	6.09E+00	2.47E+00	1.49E-04	8.27E-04	1.73E-03	2.47E+00	3.00E+00	3.45E+00	7.55E-02	5.92E-02	6.58E+00
5661	482912.95	3853522.07	15.2607	4.48302	0.3914	0.82133	2.50E+00	3.48E+00	7.59E-02	6.05E-02	6.11E+00	2.46E+00	1.51E-04	8.32E-04	1.77E-03	2.46E+00	2.99E+00	3.48E+00	7.59E-02	6.05E-02	6.60E+00
5662	482954.2	3853602.63	14.9336	4.50451	0.3948	0.83756	2.44E+00	3.49E+00	7.66E-02	6.17E-02	6.07E+00	2.41E+00	1.51E-04	8.39E-04	1.80E-03	2.41E+00	2.92E+00	3.49E+00	7.66E-02	6.17E-02	6.55E+00
5663	482995.45	3853683.19	15.2672	4.45661	0.4012	0.84787	2.50E+00	3.46E+00	7.78E-02	6.24E-02	6.09E+00	2.46E+00	1.50E-04	8.53E-04	1.83E-03	2.46E+00	2.99E+00	3.46E+00	7.78E-02	6.24E-02	6.58E+00
5664	483036.7	3853763.75	14.4882	4.35276	0.4091	0.86762	2.37E+00	3.38E+00	7.93E-02	6.39E-02	5.89E+00	2.33E+00	1.46E-04	8.70E-04	1.87E-03	2.34E+00	2.84E+00	3.38E+00	7.93E-02	6.39E-02	6.35E+00
5665	483214.2	3853909.91	16.3671	3.29044	0.4175	0.87309	2.68E+00	2.55E+00	8.09E-02	6.43E-02	5.37E+00	2.64E+00	1.11E-04	8.88E-04	1.88E-03	2.64E+00	3.20E+00	2.55E+00	8.09E-02	6.43E-02	5.90E+00
5666	483307.01	3853910.44	18.3326	3.20052	0.4153	0.90308	3.00E+00	2.48E+00	8.05E-02	6.65E-02	5.63E+00	2.95E+00	1.08E-04	8.83E-04	1.94E-03	2.96E+00	3.59E+00	2.48E+00	8.05E-02	6.65E-02	6.22E+00
5667	483399.83	3853910.96	20.4209	2.96093	0.4139	0.94969	3.34E+00	2.30E+00	8.03E-02	6.99E-02	5.79E+00	3.29E+00	9.95E-05	8.80E-04	2.04E-03	3.29E+00	4.00E+00	2.30E+00	8.03E-02	6.99E-02	6.44E+00
5668	483494.52	3854009.24	21.1908	2.92118	0.4225	0.94558	3.47E+00	2.27E+00	8.19E-02	6.96E-02	5.88E+00	3.41E+00	9.81E-05	8.98E-04	2.04E-03	3.42E+00	4.15E+00	2.27E+00	8.19E-02	6.96E-02	6.56E+00
5669	483496.41	3854106.98	20.3984	3.06181	0.4352	0.99884	3.34E+00	2.38E+00	8.44E-02	7.35E-02	5.87E+00	3.29E+00	1.03E-04	9.25E-04	2.15E-03	3.29E+00	3.99E+00	2.38E+00	8.44E-02	7.35E-02	6.52E+00

5670	483577.56	3854261.96	20.3983	2.76227	0.4558	1.00441	3.34E+00	2.14E+00	8.84E-02	7.39E-02	5.64E+00	3.29E+00	9.28E-05	9.69E-04	2.16E-03	3.29E+00	3.99E+00	2.14E+00	8.84E-02	7.39E-02	6.30E+00
5671	483656.83	3854319.19	21.7841	2.42192	0.461	1.1322	3.56E+00	1.88E+00	8.94E-02	8.34E-02	5.61E+00	3.51E+00	8.14E-05	9.80E-04	2.44E-03	3.51E+00	4.26E+00	1.88E+00	8.94E-02	8.34E-02	6.31E+00
5672	483736.1	3854376.41	22.8009	2.14185	0.4661	1.1162	3.73E+00	1.66E+00	9.04E-02	8.22E-02	5.56E+00	3.67E+00	7.19E-05	9.91E-04	2.40E-03	3.68E+00	4.46E+00	1.66E+00	9.04E-02	8.22E-02	6.30E+00
5673	483815.36	3854433.64	23.8599	1.99797	0.4677	1.14229	3.90E+00	1.55E+00	9.07E-02	8.41E-02	5.63E+00	3.84E+00	6.71E-05	9.94E-04	2.46E-03	3.85E+00	4.67E+00	1.55E+00	9.07E-02	8.41E-02	6.39E+00
5674	483894.63	3854490.87	24.0305	1.84767	0.4721	1.32938	3.93E+00	1.43E+00	9.15E-02	9.79E-02	5.55E+00	3.87E+00	6.21E-05	1.00E-03	2.86E-03	3.88E+00	4.70E+00	1.43E+00	9.15E-02	9.79E-02	6.33E+00
5675	483973.9	3854548.1	23.7079	1.73484	0.4776	1.74835	3.88E+00	1.35E+00	9.26E-02	1.29E-01	5.44E+00	3.82E+00	5.83E-05	1.02E-03	3.76E-03	3.82E+00	4.64E+00	1.35E+00	9.26E-02	1.29E-01	6.21E+00
5676	484053.17	3854605.32	24.1865	1.62717	0.4843	1.78455	3.96E+00	1.26E+00	9.39E-02	1.31E-01	5.44E+00	3.90E+00	5.47E-05	1.03E-03	3.84E-03	3.90E+00	4.73E+00	1.26E+00	9.39E-02	1.31E-01	6.22E+00
5677	484214.97	3854698.15	24.9356	1.52671	0.4952	2.25778	4.08E+00	1.18E+00	9.60E-02	1.66E-01	5.53E+00	4.02E+00	5.13E-05	1.05E-03	4.86E-03	4.02E+00	4.88E+00	1.18E+00	9.60E-02	1.66E-01	6.33E+00
5678	484297.5	3854733.74	27.1992	1.5289	0.4995	2.51512	4.45E+00	1.19E+00	9.68E-02	1.85E-01	5.92E+00	4.38E+00	5.14E-05	1.06E-03	5.41E-03	4.39E+00	5.32E+00	1.19E+00	9.68E-02	1.85E-01	6.79E+00
5679	484380.03	3854769.34	28.8415	1.51705	0.5021	2.90725	4.72E+00	1.18E+00	9.74E-02	2.14E-01	6.21E+00	4.65E+00	5.10E-05	1.07E-03	6.26E-03	4.65E+00	5.64E+00	1.18E+00	9.74E-02	2.14E-01	7.13E+00
5680	484462.56	3854804.94	29.9029	1.55083	0.5016	2.72519	4.89E+00	1.20E+00	9.73E-02	2.01E-01	6.39E+00	4.82E+00	5.21E-05	1.07E-03	5.87E-03	4.83E+00	5.85E+00	1.20E+00	9.73E-02	2.01E-01	7.35E+00
5681	484545.09	3854840.53	29.0054	1.49994	0.5076	2.49733	4.74E+00	1.16E+00	9.84E-02	1.84E-01	6.19E+00	4.67E+00	5.04E-05	1.08E-03	5.38E-03	4.68E+00	5.68E+00	1.16E+00	9.84E-02	1.84E-01	7.12E+00
5682	484691.88	3854912.58	29.9004	1.64207	0.5503	2.2569	4.89E+00	1.27E+00	1.07E-01	1.66E-01	6.44E+00	4.82E+00	5.52E-05	1.17E-03	4.86E-03	4.82E+00	5.85E+00	1.27E+00	1.07E-01	1.66E-01	7.40E+00
5683	484830.81	3855012.51	30.1321	1.71942	0.5824	1.9951	4.93E+00	1.33E+00	1.13E-01	1.47E-01	6.52E+00	4.86E+00	5.78E-05	1.24E-03	4.29E-03	4.86E+00	5.90E+00	1.33E+00	1.13E-01	1.47E-01	7.49E+00
5684	484905.48	3855075.97	32.2865	1.83211	0.6024	2.00064	5.28E+00	1.42E+00	1.17E-01	1.47E-01	6.97E+00	5.20E+00	6.15E-05	1.28E-03	4.31E-03	5.21E+00	6.32E+00	1.42E+00	1.17E-01	1.47E-01	8.00E+00
5685	484980.14	3855139.44	33.9929	1.90349	0.6191	2.18903	5.56E+00	1.48E+00	1.20E-01	1.61E-01	7.32E+00	5.48E+00	6.39E-05	1.32E-03	4.71E-03	5.48E+00	6.65E+00	1.48E+00	1.20E-01	1.61E-01	8.41E+00
5686	485054.81	3855202.91	34.2536	1.92815	0.6363	2.42934	5.60E+00	1.50E+00	1.23E-01	1.79E-01	7.40E+00	5.52E+00	6.48E-05	1.35E-03	5.23E-03	5.53E+00	6.70E+00	1.50E+00	1.23E-01	1.79E-01	8.50E+00
5687	485129.48	3855266.37	33.4125	1.89377	0.6585	2.42321	5.46E+00	1.47E+00	1.28E-01	1.78E-01	7.24E+00	5.38E+00	6.36E-05	1.40E-03	5.22E-03	5.39E+00	6.54E+00	1.47E+00	1.28E-01	1.78E-01	8.31E+00
5688	485204.15	3855329.84	34.6626	2.00513	0.6815	2.23493	5.67E+00	1.56E+00	1.32E-01	1.65E-01	7.52E+00	5.59E+00	6.74E-05	1.45E-03	4.81E-03	5.59E+00	6.78E+00	1.56E+00	1.32E-01	1.65E-01	8.63E+00
5689	485278.82	3855393.31	34.4924	2.05734	0.7061	2.24961	5.64E+00	1.60E+00	1.37E-01	1.66E-01	7.54E+00	5.56E+00	6.91E-05	1.50E-03	4.84E-03	5.56E+00	6.75E+00	1.60E+00	1.37E-01	1.66E-01	8.65E+00
5690	485353.48	3855456.77	34.8613	2.09933	0.7331	2.75386	5.70E+00	1.63E+00	1.42E-01	2.03E-01	7.68E+00	5.62E+00	7.05E-05	1.56E-03	5.93E-03	5.62E+00	6.82E+00	1.63E+00	1.42E-01	2.03E-01	8.80E+00
5691	485428.15	3855520.24	35.0193	2.0697	0.7614	2.91115	5.73E+00	1.61E+00	1.48E-01	2.14E-01	7.70E+00	5.64E+00	6.95E-05	1.62E-03	6.27E-03	5.65E+00	6.85E+00	1.61E+00	1.48E-01	2.14E-01	8.82E+00
5692	485502.82	3855583.71	35.4233	2.06516	0.7921	2.97503	5.79E+00	1.60E+00	1.54E-01	2.19E-01	7.77E+00	5.71E+00	6.94E-05	1.68E-03	6.40E-03	5.72E+00	6.93E+00	1.60E+00	1.54E-01	2.19E-01	8.91E+00
5693	485577.49	3855647.17	37.4883	2.16456	0.8263	3.55162	6.13E+00	1.68E+00	1.60E-01	2.61E-01	8.23E+00	6.04E+00	7.27E-05	1.76E-03	7.65E-03	6.05E+00	7.34E+00	1.68E+00	1.60E-01	2.61E-01	9.44E+00
5694	485652.16	3855710.64	39.1333	2.21953	0.8721	3.46732	6.40E+00	1.72E+00	1.69E-01	2.55E-01	8.55E+00	6.31E+00	7.46E-05	1.85E-03	7.46E-03	6.32E+00	7.66E+00	1.72E+00	1.69E-01	2.55E-01	9.80E+00
5695	485726.83	3855774.1	40.6622	2.20128	0.9222	3.90778	6.65E+00	1.71E+00	1.79E-01	2.88E-01	8.82E+00	6.55E+00	7.39E-05	1.96E-03	8.41E-03	6.56E+00	7.96E+00	1.71E+00	1.79E-01	2.88E-01	1.01E+01
5696	485801.49	3855837.57	39.2625	2.15943	0.9652	4.67754	6.42E+00	1.68E+00	1.87E-01	3.44E-01	8.63E+00	6.33E+00	7.25E-05	2.05E-03	1.01E-02	6.34E+00	7.68E+00	1.68E+00	1.87E-01	3.44E-01	9.89E+00
5697	485876.16	3855901.04	40.6765	2.15794	1.0182	4.77303	6.65E+00	1.67E+00	1.97E-01	3.51E-01	8.88E+00	6.55E+00	7.25E-05	2.16E-03	1.03E-02	6.57E+00	7.96E+00	1.67E+00	1.97E-01	3.51E-01	1.02E+01
5698	485950.83	3855964.5	39.7636	2.12289	1.0761	4.81627	6.50E+00	1.65E+00	2.09E-01	3.55E-01	8.71E+00	6.41E+00	7.13E-05	2.29E-03	1.04E-02	6.42E+00	7.78E+00	1.65E+00	2.09E-01	3.55E-01	9.99E+00
5699	486025.5	3856027.97	38.8389	2.01913	1.1385	4.91953	6.35E+00	1.57E+00	2.21E-01	3.62E-01	8.50E+00	6.26E+00	6.78E-05	2.42E-03	1.06E-02	6.27E+00	7.60E+00	1.57E+00	2.21E-01	3.62E-01	9.75E+00
5700	486100.17	3856091.44	41.1384	2.15085	1.2113	4.75333	6.73E+00	1.67E+00	2.35E-01	3.50E-01	8.98E+00	6.63E+00	7.23E-05	2.58E-03	1.02E-02	6.64E+00	8.05E+00	1.67E+00	2.35E-01	3.50E-01	1.03E+01
5701	486174.83	3856154.9	39.5968	2.02277	1.2805	4.82244	6.48E+00	1.57E+00	2.48E-01	3.55E-01	8.65E+00	6.38E+00	6.79E-05	2.72E-03	1.04E-02	6.39E+00	7.75E+00	1.57E+00	2.48E-01	3.55E-01	9.92E+00
5702	486249.5	3856218.37	36.2785	1.79424	1.3475	4.79858	5.93E+00	1.39E+00	2.61E-01	3.53E-01	7.94E+00	5.85E+00	6.03E-05	2.87E-03	1.03E-02	5.86E+00	7.10E+00	1.39E+00	2.61E-01	3.53E-01	9.11E+00
5703	486324.17	3856281.84	34.5894	1.66271	1.4187	4.7436	5.66E+00	1.29E+00	2.75E-01	3.49E-01	7.57E+00	5.57E+00	5.59E-05	3.02E-03	1.02E-02	5.59E+00	6.77E+00	1.29E+00	2.75E-01	3.49E-01	8.68E+00
5704	486398.84	3856345.3	35.3605	1.6805	1.4765	4.60442	5.78E+00	1.30E+00	2.86E-01	3.39E-01	7.71E+00	5.70E+00	5.65E-05	3.14E-03	9.91E-03	5.71E+00	6.92E+00	1.30E+00	2.86E-01	3.39E-01	8.85E+00
5705	486473.51	3856408.77	35.479	1.66862	1.5272	4.53074	5.80E+00	1.29E+00	2.96E-01	3.34E-01	7.73E+00	5.72E+00	5.61E-05	3.25E-03	9.75E-03	5.73E+00	6.94E+00	1.29E+00	2.96E-01	3.34E-01	8.87E+00
5706	486548.17	3856472.24	36.22	1.69593	1.5866	4.58462	5.92E+00	1.32E+00	3.08E-01	3.38E-01	7.88E+00	5.84E+00	5.70E-05	3.37E-03	9.87E-03	5.85E+00	7.09E+00	1.32E+00	3.08E-01	3.38E-01	9.05E+00
5707	486622.84	3856535.7	37.2619	1.75456	1.679	4.35145	6.09E+00	1.36E+00	3.26E-01	3.20E-01	8.10E+00	6.00E+00	5.89E-05	3.57E-03	9.37E-03	6.02E+00	7.29E+00	1.36E+00	3.26E-01	3.20E-01	9.30E+00
5708	486765.48	3856659.69	39.7258	1.86513	1.889	3.64944	6.50E+00	1.45E+00	3.66E-01	2.69E-01	8.58E+00	6.40E+00	6.27E-05	4.02E-03	7.86E-03	6.41E+00	7.77E+00	1.45E+00	3.66E-01	2.69E-01	9.86E+00
5709	486833.44	3856720.2	41.0047	1.94434	1.9938	3.56443	6.71E+00	1.51E+00	3.87E-01	2.62E-01	8.86E+00	6.61E+00	6.53E-05	4.24E-03	7.67E-03	6.62E+00	8.02E+00	1.51E+00	3.87E-01	2.62E-01	1.02E+01
5710	486901.41	3856780.72	41.6574	2.08504	2.1129	3.47348	6.81E+00	1.62E+00	4.10E-01	2.56E-01	9.10E+00	6.71E+00	7.00E-05	4.49E-03	7.48E-03	6.72E+00	8.15E+00	1.62E+00	4.10E-01	2.56E-01	1.04E+01
5711	486969.38	3856841.24	42.0634	2.20996	2.2867	3.32941	6.88E+00	1.71E+00	4.43E-01	2.45E-01	9.28E+00	6.78E+00	7.42E-05	4.86E-03	7.17E-03	6.79E+00	8.23E+00	1.71E+00	4.43E-01	2.45E-01	1.06E+01
5712	487037.34	3856901.75	42.3756	2.36698	2.5224	3.23121	6.93E+00	1.84E+00	4.89E-01	2.38E-01	9.49E+00	6.83E+00	7.95E-05	5.36E-03	6.96E-03	6.84E+00	8.29E+00	1.84E+00	4.89E-01	2.38E-01	1.09E+01
5713	487271.23	3856855.51	33.7922	2.82665	2.9348	3.14481	5.53E+00	2.19E+00	5.69E-01	2.32E-01	8.52E+00	5.44E+00	9.50E-05	6.24E-03	6.77E-03	5.46E+00	6.61E+00	2.19E+00	5.69E-01	2.32E-01	9.61E+00
5714	487368.96	3856857.29	31.8437	2.96501	2.9802	3.10858	5.21E+00	2.30E+00	5.78E-01	2.29E-01	8.32E+00	5.13E+00	9.96E-05	6.34E-03	6.69E-03	5.14E+00	6.23E+00	2.30E+00	5.78E-01	2.29E-01	9.34E+00
5715	487466.68	3856859.06	30.1387	3.10909	3.2572	3.02079	4.93E+00	2.41E+00	6.32E-01	2.22E-01	8.20E+00	4.86E+00	1.04E-04	6.93E-03	6.50E-03	4.87E+00	5.90E+00	2.41E+00	6.32E-01	2.22E-01	9.16E+00
5716	487636.44	3856930	28.3537	3.40377	3.2915	3.00141	4.64E+00	2.64E+00	6.38E-01	2.21E-01	8.14E+00	4.57E+00	1.14E-04	7.00E-03	6.46E-03	4.58E+00	5.55E+00	2.64E+00	6.38E-01	2.21E-01	9.05E+00
5717	487709.57	3856928.43	27.1341	3.54693	3.9018	2.94634	4.44E+00	2.75E+00	7.57E-01	2.17E-01	8.16E+00	4.37E+00	1.19E-04	8.30E-03	6.34E-03	4.39E+00	5.31E+00	2.75E+00	7.57E-01	2.17E-01	9.03E+00
5718	487782.54	3856841.96	25.2512	3.42976	4.1757	3.06629	4.13E+00	2.66E+00	8.10E-01	2.26E-01	7.83E+00	4.07E+00	1.15E-04	8.88E-03	6.60E-03	4.08E+00	4.94E+00	2.66E+00	8.10E-01	2.26E-01	8.64E+00
5719	487849.83	3856754.74	23.1272	3.23361	3.724	3.03969	3.78E+00	2.51E+00	7.22E-01	2.24E-01	7.24E+00	3.73E+00	1.09E-04	7.92E-03	6.54E-03	3.74E+00	4.53E+00	2.51E+00	7.22E-01	2.24E-01	7.98E+00
5720	487918.03	3856819.39	23.0222	3.47439	3.8855	3.014	3.77E+00	2.70E+00	7.53E-01	2.22E-01	7.44E+00	3.71E+00	1.17E-04	8.26E-03	6.49E-03	3.72E+00	4.50E+00	2.70E+00	7.53E-01	2.22E-01	8.18E+00
5721	487918.8	3856886.37	23.9275	3.67948	4.0748	2.99902	3.91E+00	2.85E+00	7.90E-01	2.21E-01	7.78E+00	3.86E+00	1.24E-04	8.66E-03	6.46E-03	3.87E+00	4.68E+00	2.85E+00	7.90E-01	2.21E-01	8.55E+00
5722	488065.47	3857127.5	24.7885	4.05458	5.4487	2.73448	4.05E+00	3.15E+00	1.06E+00	2.01E-01	8.46E+00	3.99E+00	1.36E-04	1.16E-02	5.89E-03	4.01E+00	4.85E+00	3.15E+00	1.06E+00	2.01E-01	9.25E+00
5723	488192.19	3857385.83	25.1344	4.5586	11.96	2.51902	4.11E+00	3.54E+00	2.32E+00	1.85E-01	1.02E+01	4.05E+00	1.53E-04	2.54E-02	5.42E-03	4.08E+00	4.92E+00	3.54E+00	2.32E+00	1.85E-01	1.10E+01
5724	488191.22	3857473.87	25.6898	4.74908	14.153	2.50561	4.20E+00	3.68E+00	2.74E+00	1.84E-01	1.08E+01	4.14E+00	1.60E-04	3.01E-02	5.39E-03	4.18E+00	5.03E+00	3.68E+00	2.74E+00	1.84E-01	1.16E+01
5725	488190.24	3857561.9	25.5094	5.06274	17.325	2.259	4.17E+00	3.93E+00	3.36E+00	1.66E-01	1.16E+01	4.11E+00	1.70E-04	3.68E-02	4.86E-03	4.15E+00	4.99E+00	3.93E+00	3.36E+00	1.66E-01	1.24E+01
5726	488158.35	3857691.13	24.314	5.66526	26.403	2.32636	3.98E+00	4.39E+00	5.12E+00	1.71E-01	1.37E+01	3.92E+00	1.90E-04	5.61E-02	5.01E-03	3.98E+00	4.76E+00	4.39E+00	5.12E+00	1.71E-01	1.44E+01
5727	488208.37	3857816.66	23.2507	6.2051	62.913	2.30524	3.80E+00	4.81E+00	1.22E+01	1.70E-01	2.10E+01	3.75E+00	2.08E-04	1.34E-01	4.96E-03	3.89E+00	4.55E+00	4.81E+00	1.22E+01	1.70E-01	2.17E+01
5728	488271.97	3857874.6	22.4902	6.43997	117.08	2.42896	3.68E+00	5.00E+00	2.27E+01	1.79E-01	3.16E+01	3.62E+00	2.16E-04	2.49E-01	5.23E-03	3.88E+00	4.40E+00	5.00E+00	2.27E+01	1.79E-01	3.23E+01
5729	488463.56	3857942.31	21.2653	6.81223	109.13	2.33367	3.48E+00	5.28E+00	2.12E+01	1.72E-01	3.01E+01	3.43E+00	2.29E-04	2.32E-01	5.02E-03	3.66E+00	4.16E+00	5.28E+00	2.12E+01	1.72E-01	3.08E+01
5730	488554.83	3857940.83	21.02	6.81628	91.314	2.29994	3.44E+00	5.29E+00	1.77E+01	1.69E-01	2.66E+01	3.39E+00	2.29E-04	1.94E-01	4.95E-03	3.59E+00	4.11E+00	5.29E+00	1.77E+01	1.69E-01	2.73E+01

5731	488646.1	3857939.36	20.7169	6.64048	74.274	2.20906	3.39E+00	5.15E+00	1.44E+01	1.63E-01	2.31E+01	3.34E+00	2.23E-04	1.58E-01	4.76E-03	3.50E+00	4.05E+00	5.15E+00	1.44E+01	1.63E-01	2.38E+01
5732	488737.37	3857937.88	21.0148	6.45507	61.133	2.18681	3.44E+00	5.01E+00	1.19E+01	1.61E-01	2.05E+01	3.39E+00	2.17E-04	1.30E-01	4.71E-03	3.52E+00	4.11E+00	5.01E+00	1.19E+01	1.61E-01	2.11E+01
5733	488733.59	3857960.57	20.5557	6.54216	62.49	2.26143	3.36E+00	5.07E+00	1.21E+01	1.66E-01	2.07E+01	3.31E+00	2.20E-04	1.33E-01	4.87E-03	3.45E+00	4.02E+00	5.08E+00	1.21E+01	1.66E-01	2.14E+01
5734	488638.09	3857961.57	20.6838	6.69741	75.56	2.28308	3.38E+00	5.20E+00	1.47E+01	1.68E-01	2.34E+01	3.33E+00	2.25E-04	1.61E-01	4.91E-03	3.50E+00	4.05E+00	5.20E+00	1.47E+01	1.68E-01	2.41E+01
5735	488542.6	3857962.56	21.2313	6.90953	95.329	2.36299	3.47E+00	5.36E+00	1.85E+01	1.74E-01	2.75E+01	3.42E+00	2.32E-04	2.03E-01	5.09E-03	3.63E+00	4.15E+00	5.36E+00	1.85E+01	1.74E-01	2.82E+01
5736	488447.1	3857963.56	21.6114	6.92682	112.87	2.34743	3.53E+00	5.37E+00	2.19E+01	1.73E-01	3.10E+01	3.48E+00	2.33E-04	2.40E-01	5.05E-03	3.73E+00	4.23E+00	5.37E+00	2.19E+01	1.73E-01	3.17E+01
5737	488254.28	3857890.36	22.2049	6.53411	119.59	2.50563	3.63E+00	5.07E+00	2.32E+01	1.84E-01	3.21E+01	3.58E+00	2.19E-04	2.54E-01	5.39E-03	3.84E+00	4.35E+00	5.07E+00	2.32E+01	1.84E-01	3.28E+01
5738	488191.69	3857833.06	22.8501	6.31016	64.315	2.36184	3.74E+00	4.89E+00	1.25E+01	1.74E-01	2.13E+01	3.68E+00	2.12E-04	1.37E-01	5.08E-03	3.82E+00	4.47E+00	4.90E+00	1.25E+01	1.74E-01	2.20E+01
5739	488129.5	3857907.43	21.2731	6.78388	65.224	2.45694	3.48E+00	5.26E+00	1.26E+01	1.81E-01	2.16E+01	3.43E+00	2.28E-04	1.39E-01	5.29E-03	3.57E+00	4.16E+00	5.26E+00	1.26E+01	1.81E-01	2.23E+01
5740	488196.47	3857968.73	20.8559	7.02704	118.95	2.50002	3.41E+00	5.45E+00	2.31E+01	1.84E-01	3.21E+01	3.36E+00	2.36E-04	2.53E-01	5.38E-03	3.62E+00	4.08E+00	5.45E+00	2.31E+01	1.84E-01	3.28E+01
5741	488263.44	3858030.04	20.2498	7.40103	136.62	2.33819	3.31E+00	5.74E+00	2.65E+01	1.72E-01	3.57E+01	3.26E+00	2.49E-04	2.90E-01	5.03E-03	3.56E+00	3.96E+00	5.74E+00	2.65E+01	1.72E-01	3.64E+01
5742	488400.64	3858132.9	18.8496	7.48272	116.39	2.35526	3.08E+00	5.80E+00	2.26E+01	1.73E-01	3.16E+01	3.04E+00	2.51E-04	2.47E-01	5.07E-03	3.29E+00	3.69E+00	5.80E+00	2.26E+01	1.73E-01	3.22E+01
5743	488519.89	3858218.38	17.8718	8.3153	79.998	2.37074	2.92E+00	6.45E+00	1.55E+01	1.75E-01	2.51E+01	2.88E+00	2.79E-04	1.70E-01	5.10E-03	3.06E+00	3.50E+00	6.45E+00	1.55E+01	1.75E-01	2.56E+01
5744	488647.97	3858214.99	18.7655	7.97585	62.496	2.40317	3.07E+00	6.19E+00	1.21E+01	1.77E-01	2.16E+01	3.02E+00	2.68E-04	1.33E-01	5.17E-03	3.16E+00	3.67E+00	6.19E+00	1.21E+01	1.77E-01	2.22E+01
5745	488727.05	3858167.67	19.701	7.61896	56.84	2.45742	3.22E+00	5.91E+00	1.10E+01	1.81E-01	2.03E+01	3.17E+00	2.56E-04	1.21E-01	5.29E-03	3.30E+00	3.86E+00	5.91E+00	1.10E+01	1.81E-01	2.10E+01
5746	488806.12	3858120.35	19.2471	7.31528	51.508	2.48092	3.15E+00	5.67E+00	9.99E+00	1.83E-01	1.90E+01	3.10E+00	2.46E-04	1.10E-01	5.34E-03	3.22E+00	3.77E+00	5.67E+00	9.99E+00	1.83E-01	1.96E+01
5747	488885.2	3858073.03	19.1915	6.96572	47.607	2.32698	3.14E+00	5.40E+00	9.23E+00	1.71E-01	1.79E+01	3.09E+00	2.34E-04	1.01E-01	5.01E-03	3.20E+00	3.76E+00	5.40E+00	9.23E+00	1.71E-01	1.86E+01
5748	489055.76	3857991.17	20.0668	6.36565	39.691	2.21556	3.28E+00	4.94E+00	7.70E+00	1.63E-01	1.61E+01	3.23E+00	2.14E-04	8.44E-02	4.77E-03	3.32E+00	3.93E+00	4.94E+00	7.70E+00	1.63E-01	1.67E+01
5749	489245.39	3857944.54	19.1055	5.81288	34.653	2.2104	3.12E+00	4.51E+00	6.72E+00	1.63E-01	1.45E+01	3.08E+00	1.95E-04	7.37E-02	4.76E-03	3.16E+00	3.74E+00	4.51E+00	6.72E+00	1.63E-01	1.51E+01
5750	489430.63	3857930.91	17.52	5.26083	34.276	2.11238	2.87E+00	4.08E+00	6.65E+00	1.56E-01	1.37E+01	2.82E+00	1.77E-04	7.29E-02	4.55E-03	2.90E+00	3.43E+00	4.08E+00	6.65E+00	1.56E-01	1.43E+01
5751	489517.74	3857929.36	17.0852	5.11863	33.592	2.12467	2.79E+00	3.97E+00	6.51E+00	1.56E-01	1.34E+01	2.75E+00	1.72E-04	7.14E-02	4.57E-03	2.83E+00	3.34E+00	3.97E+00	6.51E+00	1.56E-01	1.40E+01
5752	489604.85	3857927.82	16.7678	4.98382	32.954	2.1552	2.74E+00	3.87E+00	6.39E+00	1.59E-01	1.32E+01	2.70E+00	1.67E-04	7.01E-02	4.64E-03	2.78E+00	3.28E+00	3.87E+00	6.39E+00	1.59E-01	1.37E+01
5753	489691.97	3857926.28	16.2709	4.81649	32.201	2.19503	2.66E+00	3.74E+00	6.24E+00	1.62E-01	1.28E+01	2.62E+00	1.62E-04	6.85E-02	4.73E-03	2.70E+00	3.18E+00	3.74E+00	6.24E+00	1.62E-01	1.33E+01
5754	489779.08	3857924.73	15.915	4.63738	31.353	2.15366	2.60E+00	3.60E+00	6.08E+00	1.59E-01	1.24E+01	2.56E+00	1.56E-04	6.67E-02	4.64E-03	2.64E+00	3.11E+00	3.60E+00	6.08E+00	1.59E-01	1.29E+01
5755	490017.54	3857875.08	14.2055	4.13792	31.095	2.08134	2.32E+00	3.21E+00	6.03E+00	1.53E-01	1.17E+01	2.29E+00	1.39E-04	6.61E-02	4.48E-03	2.36E+00	2.78E+00	3.21E+00	6.03E+00	1.53E-01	1.22E+01
5756	490033.82	3857960.81	14.7084	4.33638	30.379	2.26519	2.41E+00	3.36E+00	5.89E+00	1.67E-01	1.18E+01	2.37E+00	1.46E-04	6.46E-02	4.88E-03	2.44E+00	2.88E+00	3.36E+00	5.89E+00	1.67E-01	1.23E+01
5757	489959.15	3857987.49	15.1866	4.5948	29.665	2.22666	2.48E+00	3.56E+00	5.75E+00	1.64E-01	1.20E+01	2.45E+00	1.54E-04	6.31E-02	4.79E-03	2.52E+00	2.97E+00	3.56E+00	5.75E+00	1.64E-01	1.25E+01
5758	489791.49	3858016.12	16.0634	4.77181	30.409	2.05805	2.63E+00	3.70E+00	5.90E+00	1.52E-01	1.24E+01	2.59E+00	1.60E-04	6.47E-02	4.43E-03	2.66E+00	3.14E+00	3.70E+00	5.90E+00	1.52E-01	1.29E+01
5759	489698.51	3858018.07	16.4351	4.97231	31.195	2.09103	2.69E+00	3.86E+00	6.05E+00	1.54E-01	1.27E+01	2.65E+00	1.67E-04	6.63E-02	4.50E-03	2.72E+00	3.22E+00	3.86E+00	6.05E+00	1.54E-01	1.33E+01
5760	489605.52	3858020.02	16.7045	5.23692	31.325	2.05869	2.73E+00	4.06E+00	6.07E+00	1.52E-01	1.30E+01	2.69E+00	1.76E-04	6.66E-02	4.43E-03	2.76E+00	3.27E+00	4.06E+00	6.07E+00	1.52E-01	1.36E+01
5761	489512.53	3858021.96	17.6811	5.44547	31.323	2.19853	2.89E+00	4.22E+00	6.07E+00	1.62E-01	1.34E+01	2.85E+00	1.83E-04	6.66E-02	4.73E-03	2.92E+00	3.46E+00	4.22E+00	6.07E+00	1.62E-01	1.39E+01
5762	489419.55	3858023.91	18.3111	5.60166	31.747	2.10391	2.99E+00	4.35E+00	6.16E+00	1.55E-01	1.37E+01	2.95E+00	1.88E-04	6.75E-02	4.53E-03	3.02E+00	3.58E+00	4.35E+00	6.16E+00	1.55E-01	1.42E+01
5763	489228.47	3858041.29	19.3236	6.14012	32.486	2.16371	3.16E+00	4.76E+00	6.30E+00	1.59E-01	1.44E+01	3.11E+00	2.06E-04	6.91E-02	4.66E-03	3.19E+00	3.78E+00	4.76E+00	6.30E+00	1.59E-01	1.50E+01
5764	489065.75	3858085.78	19.6243	6.68283	36.901	2.29777	3.21E+00	5.18E+00	7.16E+00	1.69E-01	1.57E+01	3.16E+00	2.24E-04	7.85E-02	4.95E-03	3.25E+00	3.84E+00	5.18E+00	7.16E+00	1.69E-01	1.63E+01
5765	489001.12	3858114.86	19.0886	6.91255	40.702	2.34621	3.12E+00	5.36E+00	7.89E+00	1.73E-01	1.65E+01	3.08E+00	2.32E-04	8.65E-02	5.05E-03	3.17E+00	3.74E+00	5.36E+00	7.89E+00	1.73E-01	1.72E+01
5766	488861.89	3858189.81	18.9077	7.39609	44.307	2.4419	3.09E+00	5.74E+00	8.59E+00	1.80E-01	1.76E+01	3.05E+00	2.48E-04	9.42E-02	5.26E-03	3.15E+00	3.70E+00	5.74E+00	8.59E+00	1.80E-01	1.82E+01
5767	488787.28	3858235.69	19.1358	7.84613	47.335	2.48599	3.13E+00	6.09E+00	9.18E+00	1.83E-01	1.86E+01	3.08E+00	2.64E-04	1.01E-01	5.35E-03	3.19E+00	3.74E+00	6.09E+00	9.18E+00	1.83E-01	1.92E+01
5768	488712.68	3858281.57	18.4062	8.00312	48.707	2.65644	3.01E+00	6.21E+00	9.44E+00	1.96E-01	1.89E+01	2.97E+00	2.69E-04	1.04E-01	5.72E-03	3.08E+00	3.60E+00	6.21E+00	9.44E+00	1.96E-01	1.95E+01
5769	488654.39	3858436.17	14.7559	9.09659	25.664	2.99791	2.41E+00	7.06E+00	4.98E+00	2.21E-01	1.47E+01	2.38E+00	3.06E-04	5.46E-02	6.45E-03	2.44E+00	2.89E+00	7.06E+00	4.98E+00	2.21E-01	1.51E+01
5770	488726.3	3858505.26	14.7523	9.64389	20.494	2.82851	2.41E+00	7.48E+00	3.97E+00	2.08E-01	1.41E+01	2.38E+00	3.24E-04	4.36E-02	6.09E-03	2.43E+00	2.89E+00	7.48E+00	3.97E+00	2.08E-01	1.46E+01
5771	488880.6	3858599.28	11.8306	10.0555	16.967	2.7757	1.94E+00	7.80E+00	3.29E+00	2.04E-01	1.32E+01	1.91E+00	3.38E-04	3.61E-02	5.98E-03	1.95E+00	2.32E+00	7.80E+00	3.29E+00	2.04E-01	1.36E+01
5772	489008.06	3858714.75	11.4839	10.8026	12.507	2.61137	1.88E+00	8.38E+00	2.43E+00	1.92E-01	1.29E+01	1.85E+00	3.63E-04	2.66E-02	5.62E-03	1.88E+00	2.25E+00	8.38E+00	2.43E+00	1.92E-01	1.32E+01
5773	489071.48	3858772.72	11.1516	11.037	10.793	2.53331	1.82E+00	8.56E+00	2.09E+00	1.87E-01	1.27E+01	1.80E+00	3.71E-04	2.29E-02	5.45E-03	1.83E+00	2.18E+00	8.56E+00	2.09E+00	1.87E-01	1.30E+01
5774	489244.59	3858920.19	10.337	11.3161	7.6816	3.06418	1.69E+00	8.78E+00	1.49E+00	2.26E-01	1.22E+01	1.67E+00	3.80E-04	1.63E-02	6.60E-03	1.69E+00	2.02E+00	8.78E+00	1.49E+00	2.26E-01	1.25E+01
5775	489239.69	3858952.23	9.4556	11.9392	7.0933	2.92672	1.55E+00	9.26E+00	1.38E+00	2.15E-01	1.24E+01	1.52E+00	4.01E-04	1.51E-02	6.30E-03	1.55E+00	1.85E+00	9.26E+00	1.38E+00	2.15E-01	1.27E+01
5776	489121.67	3858854.49	11.0754	11.445	8.5918	2.76271	1.81E+00	8.88E+00	1.67E+00	2.03E-01	1.26E+01	1.78E+00	3.84E-04	1.83E-02	5.95E-03	1.81E+00	2.17E+00	8.88E+00	1.67E+00	2.03E-01	1.29E+01
5777	489059.59	3858797.27	11.4372	11.4155	9.5796	2.64071	1.87E+00	8.86E+00	1.86E+00	1.94E-01	1.28E+01	1.84E+00	3.83E-04	2.04E-02	5.68E-03	1.87E+00	2.24E+00	8.86E+00	1.86E+00	1.94E-01	1.31E+01
5778	488997.52	3858740.04	11.5411	11.146	10.877	2.66169	1.89E+00	8.65E+00	2.11E+00	1.96E-01	1.28E+01	1.86E+00	3.74E-04	2.31E-02	5.73E-03	1.89E+00	2.26E+00	8.65E+00	2.11E+00	1.96E-01	1.32E+01
5779	488935.44	3858682.82	11.6413	10.7114	12.752	2.61089	1.90E+00	8.31E+00	2.47E+00	1.92E-01	1.29E+01	1.88E+00	3.60E-04	2.71E-02	5.62E-03	1.91E+00	2.28E+00	8.31E+00	2.47E+00	1.92E-01	1.33E+01
5780	488869.17	3858848.43	16.327	13.9133	6.2332	2.99313	2.67E+00	1.08E+01	1.21E+00	2.20E-01	1.49E+01	2.63E+00	4.67E-04	1.33E-02	6.44E-03	2.65E+00	3.19E+00	1.08E+01	1.21E+00	2.20E-01	1.54E+01
5781	488932.48	3858892.69	16.1507	14.182	6.4065	3.02792	2.64E+00	1.10E+01	1.24E+00	2.23E-01	1.51E+01	2.60E+00	4.76E-04	1.36E-02	6.52E-03	2.62E+00	3.16E+00	1.10E+01	1.24E+00	2.23E-01	1.56E+01
5782	489063.27	3858977.17	15.9013	13.8148	6.5277	2.94512	2.60E+00	1.07E+01	1.27E+00	2.17E-01	1.48E+01	2.56E+00	4.64E-04	1.39E-02	6.34E-03	2.58E+00	3.11E+00	1.07E+01	1.27E+00	2.17E-01	1.53E+01
5783	489248.2	3859117.15	13.4013	12.7857	5.1877	2.87673	2.19E+00	9.92E+00	1.01E+00	2.12E-01	1.33E+01	2.16E+00	4.29E-04	1.10E-02	6.19E-03	2.18E+00	2.62E+00	9.92E+00	1.01E+00	2.12E-01	1.38E+01
5784	489296.25	3859049.22	12.4284	12.3214	6.2217	2.55827	2.03E+00	9.56E+00	1.21E+00	1.88E-01	1.30E+01	2.00E+00	4.14E-04	1.32E-02	5.51E-03	2.02E+00	2.43E+00	9.56E+00	1.21E+00	1.88E-01	1.34E+01
5785	489353.38	3858993.96	11.8023	11.496	7.1884	2.56868	1.93E+00	8.92E+00	1.39E+00	1.89E-01	1.24E+01	1.90E+00	3.86E-04	1.53E-02	5.53E-03	1.92E+00	2.31E+00	8.92E+00	1.39E+00	1.89E-01	1.28E+01
5786	489537.24	3859120.22	12.1333	10.8353	6.5062	2.75694	1.98E+00	8.40E+00	1.26E+00	2.03E-01	1.19E+01	1.96E+00	3.64E-04	1.38E-02	5.94E-03	1.98E+00	2.37E+00	8.41E+00	1.26E+00	2.03E-01	1.22E+01
5787	489726.98	3859246.04	12.2261	10.5208	5.5841	2.85123	2.00E+00	8.16E+00	1.08E+00	2.10E-01	1.15E+01	1.97E+00	3.53E-04	1.19E-02	6.14E-03	1.99E+00	2.39E+00	8.16E+00	1.08E+00	2.10E-01	1.18E+01
5788	489911.46	3859366.33	11.8658	9.75535	4.8351	2.61963	1.94E+00	7.57E+00	9.38E-01	1.93E-01	1.06E+01	1.91E+00	3.28E-04	1.03E-02	5.64E-03	1.93E+00	2.32E+00	7.57E+00	9.38E-01	1.93E-01	1.10E+01
5789	490035.3	3859430.26	11.3865	9.71406	4.5246	2.79532	1.86E+00	7.54E+00	8.77E-01	2.06E-01	1.05E+01	1.83E+00	3.26E-04	9.62E-03	6.02E-03	1.85E+00	2.23E+00	7.54E+00	8.77E-01	2.06E-01	1.08E+01
5790	490101.11	3859458.61	11	9.55837	4.5656	2.94148	1.80E+00	7.41E+00	8.85E-01	2.17E-01	1.03E+01	1.77E+00	3.21E-04	9.71E-03	6.33E-03	1.79E+00	2.15E+00	7.41E+00	8.85E-01	2.17E-01	1.07E+01
5791	490312.68	3859560.3	10.7644	9.05377	3.9017	2.84317	1.76E+00	7.02E+00	7.57E-01	2.09E-01	9.75E+00	1.73E+00	3.04E-04	8.30E-03	6.12E-03	1.75E+00	2.11E+00	7.02E+00	7.57E-01	2.09E-01	1.01E+01

5792	490401.63	3859603.12	10.3168	8.81367	3.7473	2.75099	1.69E+00	6.84E+00	7.27E-01	2.03E-01	9.45E+00	1.66E+00	2.96E-04	7.97E-03	5.92E-03	1.68E+00	2.02E+00	6.84E+00	7.27E-01	2.03E-01	9.79E+00
5793	490490.57	3859645.94	10.1241	8.52888	3.7308	2.73523	1.66E+00	6.62E+00	7.23E-01	2.01E-01	9.20E+00	1.63E+00	2.86E-04	7.93E-03	5.89E-03	1.65E+00	1.98E+00	6.62E+00	7.23E-01	2.01E-01	9.52E+00
5794	490579.51	3859688.76	9.90425	8.23495	3.7405	2.70903	1.62E+00	6.39E+00	7.25E-01	1.99E-01	8.93E+00	1.60E+00	2.77E-04	7.95E-03	5.83E-03	1.61E+00	1.94E+00	6.39E+00	7.25E-01	1.99E-01	9.25E+00
5795	490668.45	3859731.58	9.91671	7.90318	3.7796	2.63092	1.62E+00	6.13E+00	7.33E-01	1.94E-01	8.68E+00	1.60E+00	2.65E-04	8.04E-03	5.66E-03	1.61E+00	1.94E+00	6.13E+00	7.33E-01	1.94E-01	9.00E+00
5796	490757.4	3859774.4	9.84062	7.77206	3.7441	2.59185	1.61E+00	6.03E+00	7.26E-01	1.91E-01	8.56E+00	1.59E+00	2.61E-04	7.96E-03	5.58E-03	1.60E+00	1.93E+00	6.03E+00	7.26E-01	1.91E-01	8.87E+00
5797	491003.53	3859861.82	9.77295	7.29083	3.3982	2.52945	1.60E+00	5.66E+00	6.59E-01	1.86E-01	8.10E+00	1.57E+00	2.45E-04	7.23E-03	5.45E-03	1.59E+00	1.91E+00	5.66E+00	6.59E-01	1.86E-01	8.41E+00
5798	491081.41	3859879.05	9.66815	7.15876	3.2478	2.56678	1.58E+00	5.55E+00	6.30E-01	1.89E-01	7.95E+00	1.56E+00	2.40E-04	6.91E-03	5.53E-03	1.57E+00	1.89E+00	5.55E+00	6.30E-01	1.89E-01	8.26E+00
5799	491229.76	3859917.82	9.50701	6.93963	3.1233	2.56531	1.55E+00	5.38E+00	6.06E-01	1.89E-01	7.73E+00	1.53E+00	2.33E-04	6.64E-03	5.52E-03	1.54E+00	1.86E+00	5.38E+00	6.06E-01	1.89E-01	8.04E+00
5800	491300.22	3859939.35	9.26766	6.86002	3.0813	2.57351	1.52E+00	5.32E+00	5.97E-01	1.89E-01	7.62E+00	1.49E+00	2.30E-04	6.55E-03	5.54E-03	1.51E+00	1.81E+00	5.32E+00	5.97E-01	1.89E-01	7.92E+00
5801	491350.48	3860012.03	8.92877	6.85424	2.872	2.6453	1.46E+00	5.32E+00	5.57E-01	1.95E-01	7.53E+00	1.44E+00	2.30E-04	6.11E-03	5.69E-03	1.45E+00	1.75E+00	5.32E+00	5.57E-01	1.95E-01	7.82E+00
5802	491406.82	3860092.56	8.73137	6.99185	2.7779	2.72464	1.43E+00	5.42E+00	5.39E-01	2.01E-01	7.59E+00	1.41E+00	2.35E-04	5.91E-03	5.87E-03	1.42E+00	1.71E+00	5.42E+00	5.39E-01	2.01E-01	7.87E+00
5803	491483.36	3860121.96	8.5207	6.88873	2.6694	2.72379	1.39E+00	5.34E+00	5.18E-01	2.01E-01	7.46E+00	1.37E+00	2.31E-04	5.68E-03	5.86E-03	1.38E+00	1.67E+00	5.34E+00	5.18E-01	2.01E-01	7.73E+00
5804	491559.91	3860151.35	8.43857	6.78537	2.5821	2.68658	1.38E+00	5.26E+00	5.01E-01	1.98E-01	7.34E+00	1.36E+00	2.28E-04	5.49E-03	5.78E-03	1.37E+00	1.65E+00	5.26E+00	5.01E-01	1.98E-01	7.61E+00
5805	491711.81	3860237.76	8.56143	6.61999	2.4853	2.56444	1.40E+00	5.14E+00	4.82E-01	1.89E-01	7.21E+00	1.38E+00	2.22E-04	5.28E-03	5.52E-03	1.39E+00	1.68E+00	5.14E+00	4.82E-01	1.89E-01	7.48E+00
5806	491755.2	3860319.07	7.87685	6.65795	2.4027	2.47306	1.29E+00	5.16E+00	4.66E-01	1.82E-01	7.10E+00	1.27E+00	2.24E-04	5.11E-03	5.32E-03	1.28E+00	1.54E+00	5.16E+00	4.66E-01	1.82E-01	7.35E+00
5807	491704.71	3860366.54	7.8816	6.86121	2.3378	2.52572	1.29E+00	5.32E+00	4.53E-01	1.86E-01	7.25E+00	1.27E+00	2.30E-04	4.97E-03	5.44E-03	1.28E+00	1.54E+00	5.32E+00	4.53E-01	1.86E-01	7.50E+00
5808	491623.42	3860462.39	7.00575	7.102	2.1439	2.48466	1.15E+00	5.51E+00	4.16E-01	1.83E-01	7.25E+00	1.13E+00	2.39E-04	4.56E-03	5.35E-03	1.14E+00	1.37E+00	5.51E+00	4.16E-01	1.83E-01	7.48E+00
5809	491534.02	3860439.85	7.61837	7.43712	2.2327	2.63218	1.25E+00	5.77E+00	4.33E-01	1.94E-01	7.64E+00	1.23E+00	2.50E-04	4.75E-03	5.67E-03	1.24E+00	1.49E+00	5.77E+00	4.33E-01	1.94E-01	7.89E+00
5810	491313.95	3860268.17	7.7049	7.57363	2.47	2.55076	1.26E+00	5.87E+00	4.79E-01	1.88E-01	7.80E+00	1.24E+00	2.54E-04	5.25E-03	5.49E-03	1.25E+00	1.51E+00	5.88E+00	4.79E-01	1.88E-01	8.05E+00
5811	491187.12	3860143.56	7.94703	7.74105	2.5263	2.66759	1.30E+00	6.00E+00	4.90E-01	1.96E-01	7.99E+00	1.28E+00	2.60E-04	5.37E-03	5.74E-03	1.29E+00	1.56E+00	6.01E+00	4.90E-01	1.96E-01	8.25E+00
5812	491070.43	3860075.97	8.34828	7.86816	2.6425	2.80341	1.37E+00	6.10E+00	5.12E-01	2.06E-01	8.19E+00	1.35E+00	2.64E-04	5.62E-03	6.04E-03	1.36E+00	1.63E+00	6.10E+00	5.12E-01	2.06E-01	8.46E+00
5813	490995.09	3860039.38	8.58021	8.01048	2.7281	2.80085	1.40E+00	6.21E+00	5.29E-01	2.06E-01	8.35E+00	1.38E+00	2.69E-04	5.80E-03	6.03E-03	1.39E+00	1.68E+00	6.21E+00	5.29E-01	2.06E-01	8.63E+00
5814	490919.75	3860002.8	8.7295	8.13277	2.8091	2.77391	1.43E+00	6.31E+00	5.45E-01	2.04E-01	8.49E+00	1.41E+00	2.73E-04	5.97E-03	5.97E-03	1.42E+00	1.71E+00	6.31E+00	5.45E-01	2.04E-01	8.77E+00
5815	490756.81	3859894.53	9.13176	8.26318	3.0036	2.66387	1.49E+00	6.41E+00	5.82E-01	1.96E-01	8.68E+00	1.47E+00	2.78E-04	6.39E-03	5.73E-03	1.48E+00	1.79E+00	6.41E+00	5.82E-01	1.96E-01	8.98E+00
5816	490668.07	3859860.92	8.96845	8.52804	3.0922	2.66152	1.47E+00	6.62E+00	6.00E-01	1.96E-01	8.88E+00	1.45E+00	2.86E-04	6.57E-03	5.73E-03	1.46E+00	1.75E+00	6.62E+00	6.00E-01	1.96E-01	9.17E+00
5817	490579.34	3859827.3	9.36923	8.75532	3.1295	2.64641	1.53E+00	6.79E+00	6.07E-01	1.95E-01	9.13E+00	1.51E+00	2.94E-04	6.65E-03	5.70E-03	1.52E+00	1.83E+00	6.79E+00	6.07E-01	1.95E-01	9.43E+00
5818	490490.6	3859793.68	9.90206	8.97181	3.2898	2.68843	1.62E+00	6.96E+00	6.38E-01	1.98E-01	9.41E+00	1.60E+00	3.01E-04	6.99E-03	5.79E-03	1.61E+00	1.94E+00	6.96E+00	6.38E-01	1.98E-01	9.73E+00
5819	490401.86	3859760.07	9.9627	9.18782	3.3021	2.74214	1.63E+00	7.13E+00	6.40E-01	2.02E-01	9.60E+00	1.61E+00	3.09E-04	7.02E-03	5.90E-03	1.62E+00	1.95E+00	7.13E+00	6.40E-01	2.02E-01	9.92E+00
5820	490313.12	3859726.45	10.0712	9.48598	3.266	2.79916	1.65E+00	7.36E+00	6.33E-01	2.06E-01	9.84E+00	1.62E+00	3.19E-04	6.94E-03	6.03E-03	1.64E+00	1.97E+00	7.36E+00	6.33E-01	2.06E-01	1.02E+01
5821	490224.39	3859692.83	9.9747	9.75714	3.3217	2.86672	1.63E+00	7.57E+00	6.44E-01	2.11E-01	1.01E+01	1.61E+00	3.28E-04	7.06E-03	6.17E-03	1.62E+00	1.95E+00	7.57E+00	6.44E-01	2.11E-01	1.04E+01
5822	490135.65	3859659.22	10.4885	10.0773	3.5056	2.92836	1.72E+00	7.82E+00	6.80E-01	2.16E-01	1.04E+01	1.69E+00	3.39E-04	7.45E-03	6.30E-03	1.70E+00	2.05E+00	7.82E+00	6.80E-01	2.16E-01	1.08E+01
5823	489918.18	3859559.23	11.2508	10.8946	3.7361	3.17827	1.84E+00	8.45E+00	7.24E-01	2.34E-01	1.12E+01	1.81E+00	3.66E-04	7.94E-03	6.84E-03	1.83E+00	2.20E+00	8.45E+00	7.24E-01	2.34E-01	1.16E+01
5824	489743.61	3859486	12.0961	11.66	3.8648	3.07425	1.98E+00	9.04E+00	7.49E-01	2.26E-01	1.20E+01	1.95E+00	3.92E-04	8.22E-03	6.62E-03	1.96E+00	2.37E+00	9.05E+00	7.49E-01	2.26E-01	1.24E+01
5825	489660.32	3859440.27	12.5492	11.9664	3.6642	2.68746	2.05E+00	9.28E+00	7.11E-01	1.98E-01	1.22E+01	2.02E+00	4.02E-04	7.79E-03	5.79E-03	2.04E+00	2.46E+00	9.28E+00	7.11E-01	1.98E-01	1.26E+01
5826	489577.04	3859394.53	12.8625	12.26	3.7187	2.80507	2.10E+00	9.51E+00	7.21E-01	2.07E-01	1.25E+01	2.07E+00	4.12E-04	7.91E-03	6.04E-03	2.09E+00	2.52E+00	9.51E+00	7.21E-01	2.07E-01	1.30E+01
5827	489493.75	3859348.8	13.0204	12.6471	3.7368	2.90962	2.13E+00	9.81E+00	7.25E-01	2.14E-01	1.29E+01	2.10E+00	4.25E-04	7.95E-03	6.26E-03	2.11E+00	2.55E+00	9.81E+00	7.25E-01	2.14E-01	1.33E+01
5828	489321.28	3859240.02	12.8293	13.4497	4.3402	3.08118	2.10E+00	1.04E+01	8.42E-01	2.27E-01	1.36E+01	2.07E+00	4.52E-04	9.23E-03	6.63E-03	2.08E+00	2.51E+00	1.04E+01	8.42E-01	2.27E-01	1.40E+01
5829	489235.41	3859193.96	12.3889	13.7053	4.4242	3.01717	2.03E+00	1.06E+01	8.58E-01	2.22E-01	1.37E+01	2.00E+00	4.60E-04	9.41E-03	6.50E-03	2.01E+00	2.42E+00	1.06E+01	8.58E-01	2.22E-01	1.41E+01
5830	489149.54	3859147.89	14.3518	14.4852	4.364	2.99999	2.35E+00	1.12E+01	8.46E-01	2.21E-01	1.47E+01	2.31E+00	4.87E-04	9.28E-03	6.46E-03	2.33E+00	2.81E+00	1.12E+01	8.46E-01	2.21E-01	1.51E+01
5831	489063.68	3859101.82	14.6808	15.0035	3.7413	2.98088	2.40E+00	1.16E+01	7.25E-01	2.19E-01	1.50E+01	2.37E+00	5.04E-04	7.95E-03	6.42E-03	2.38E+00	2.87E+00	1.16E+01	7.25E-01	2.19E-01	1.55E+01
5832	488977.81	3859055.75	14.6827	15.7407	3.913	3.20727	2.40E+00	1.22E+01	7.59E-01	2.36E-01	1.56E+01	2.37E+00	5.29E-04	8.32E-03	6.90E-03	2.38E+00	2.87E+00	1.22E+01	7.59E-01	2.36E-01	1.61E+01
5833	488891.94	3859009.69	15.0771	17.4901	3.2366	2.95518	2.47E+00	1.36E+01	6.28E-01	2.18E-01	1.69E+01	2.43E+00	5.88E-04	6.88E-03	6.36E-03	2.44E+00	2.95E+00	1.36E+01	6.28E-01	2.18E-01	1.74E+01
5834	488808	3859060.73	15.2036	19.847	2.2645	3.17494	2.49E+00	1.54E+01	4.39E-01	2.34E-01	1.86E+01	2.45E+00	6.67E-04	4.81E-03	6.83E-03	2.46E+00	2.98E+00	1.54E+01	4.39E-01	2.34E-01	1.90E+01
5835	488809.93	3859157.85	14.5226	20.9983	2.2608	3.30237	2.38E+00	1.63E+01	4.38E-01	2.43E-01	1.93E+01	2.34E+00	7.05E-04	4.81E-03	7.11E-03	2.35E+00	2.84E+00	1.63E+01	4.38E-01	2.43E-01	1.98E+01
5836	488811.85	3859254.96	13.5264	22.5134	1.9379	3.44876	2.21E+00	1.75E+01	3.76E-01	2.54E-01	2.03E+01	2.18E+00	7.56E-04	4.12E-03	7.42E-03	2.19E+00	2.65E+00	1.75E+01	3.76E-01	2.54E-01	2.07E+01
5837	488813.78	3859352.07	14.0236	24.2594	1.8263	3.7582	2.29E+00	1.88E+01	3.54E-01	2.77E-01	2.17E+01	2.26E+00	8.15E-04	3.88E-03	8.09E-03	2.27E+00	2.74E+00	1.88E+01	3.54E-01	2.77E-01	2.22E+01
5838	488815.71	3859449.19	13.8193	25.2926	1.5257	4.55564	2.26E+00	1.96E+01	2.96E-01	3.35E-01	2.25E+01	2.23E+00	8.50E-04	3.24E-03	9.81E-03	2.24E+00	2.70E+00	1.96E+01	2.96E-01	3.35E-01	2.30E+01
5839	488910.04	3859547.1	13.3912	22.5483	1.6365	4.81676	2.19E+00	1.75E+01	3.17E-01	3.55E-01	2.04E+01	2.16E+00	7.57E-04	3.48E-03	1.04E-02	2.17E+00	2.62E+00	1.75E+01	3.17E-01	3.55E-01	2.08E+01
5840	489002.45	3859547.91	13.2022	20.5174	1.553	4.19881	2.16E+00	1.59E+01	3.01E-01	3.09E-01	1.87E+01	2.13E+00	6.89E-04	3.30E-03	9.04E-03	2.14E+00	2.58E+00	1.59E+01	3.01E-01	3.09E-01	1.91E+01
5841	489094.85	3859548.71	12.6628	18.8877	1.5604	3.70149	2.07E+00	1.47E+01	3.03E-01	2.73E-01	1.73E+01	2.04E+00	6.34E-04	3.32E-03	7.97E-03	2.05E+00	2.48E+00	1.47E+01	3.03E-01	2.73E-01	1.77E+01
5842	489230.05	3859601.87	12.8545	17.3511	1.3814	3.46934	2.10E+00	1.35E+01	2.68E-01	2.55E-01	1.61E+01	2.07E+00	5.83E-04	2.94E-03	7.47E-03	2.08E+00	2.52E+00	1.35E+01	2.68E-01	2.55E-01	1.65E+01
5843	489227.52	3859680.89	12.0676	16.8546	1.3639	3.81948	1.97E+00	1.31E+01	2.64E-01	2.81E-01	1.56E+01	1.94E+00	5.66E-04	2.90E-03	8.22E-03	1.96E+00	2.36E+00	1.31E+01	2.64E-01	2.81E-01	1.60E+01
5844	489133.47	3859760.29	12.8816	17.1829	1.3653	3.87664	2.11E+00	1.33E+01	2.65E-01	2.85E-01	1.60E+01	2.08E+00	5.77E-04	2.90E-03	8.35E-03	2.09E+00	2.52E+00	1.33E+01	2.65E-01	2.85E-01	1.64E+01
5845	489041.96	3859760.67	12.7146	17.8326	1.431	4.29563	2.08E+00	1.38E+01	2.77E-01	3.16E-01	1.65E+01	2.05E+00	5.99E-04	3.04E-03	9.25E-03	2.06E+00	2.49E+00	1.38E+01	2.77E-01	3.16E-01	1.69E+01
5846	488950.45	3859761.05	12.5022	17.6906	1.3024	5.08905	2.04E+00	1.37E+01	2.53E-01	3.75E-01	1.64E+01	2.01E+00	5.94E-04	2.77E-03	1.10E-02	2.03E+00	2.45E+00	1.37E+01	2.53E-01	3.75E-01	1.68E+01
5847	488858.94	3859761.43	12.3827	17.6921	1.068	6.17003	2.03E+00	1.37E+01	2.07E-01	4.54E-01	1.64E+01	2.00E+00	5.94E-04	2.27E-03	1.33E-02	2.01E+00	2.42E+00	1.37E+01	2.07E-01	4.54E-01	1.68E+01
5848	488767.43	3859761.82	12.5779	18.1203	1.0316	7.85463	2.06E+00	1.41E+01	2.00E-01	5.78E-01	1.69E+01	2.03E+00	6.09E-04	2.19E-03	1.69E-02	2.05E+00	2.46E+00	1.41E+01	2.00E-01	5.78E-01	1.73E+01
5849	488675.92	3859762.2	12.3192	18.7211	0.9711	10.30235	2.01E+00	1.45E+01	1.88E-01	7.59E-01	1.75E+01	1.99E+00	6.29E-04	2.06E-03	2.22E-02	2.01E+00	2.41E+00	1.45E+01	1.88E-01	7.59E-01	1.79E+01
5850	488584.41	3859762.58	12.4596	19.8291	0.9638	13.71313	2.04E+00	1.54E+01	1.87E-01	1.01E+00	1.86E+01	2.01E+00	6.66E-04	2.05E-03	2.95E-02	2.04E+00	2.44E+00	1.54E+01	1.87E-01	1.01E+00	1.90E+01
5851	488492.9	3859762.96	12.5216	22.1048	1.0793	17.11861	2.05E+00	1.71E+01	2.09E-01	1.26E+00	2.07E+01	2.02E+00	7.43E-04	2.29E-03	3.69E-02	2.06E+00	2.45E+00	1.71E+01	2.09E-01	1.26E+00	2.11E+01
5852	488402.76	3859830.95	12.535	25.9894	1.1152	19.91398	2.05E+00	2.02E+01	2.16E-01	1.47E+00	2.39E+01	2.02E+00	8.73E-04	2.37E-03	4.29E-02	2.07E+00	2.45E+00	2.02E+01	2.16E-01	1.47E+00	2.43E+01

5853	488404.14	3859898.55	12.0898	26.2034	1.1108	6.28395	1.98E+00	2.03E+01	2.15E-01	4.63E-01	2.30E+01	1.95E+00	8.80E-04	2.36E-03	1.35E-02	1.96E+00	2.37E+00	2.03E+01	2.15E-01	4.63E-01	2.34E+01
5854	488505.18	3859964.96	12.0393	22.1952	1.0036	7.98358	1.97E+00	1.72E+01	1.95E-01	5.88E-01	2.00E+01	1.94E+00	7.46E-04	2.13E-03	1.72E-02	1.96E+00	2.36E+00	1.72E+01	1.95E-01	5.88E-01	2.04E+01
5855	488604.84	3859963.76	12.1516	19.8955	0.9079	11.05435	1.99E+00	1.54E+01	1.76E-01	8.14E-01	1.84E+01	1.96E+00	6.68E-04	1.93E-03	2.38E-02	1.98E+00	2.38E+00	1.54E+01	1.76E-01	8.14E-01	1.88E+01
5856	488704.51	3859962.56	11.6672	19.0466	0.8585	10.39473	1.91E+00	1.48E+01	1.66E-01	7.65E-01	1.76E+01	1.88E+00	6.40E-04	1.83E-03	2.24E-02	1.90E+00	2.28E+00	1.48E+01	1.66E-01	7.65E-01	1.80E+01
5857	488804.18	3859961.37	11.57	18.2983	0.9219	8.37701	1.89E+00	1.42E+01	1.79E-01	6.17E-01	1.69E+01	1.86E+00	6.15E-04	1.96E-03	1.80E-02	1.88E+00	2.26E+00	1.42E+01	1.79E-01	6.17E-01	1.73E+01
5858	488903.85	3859960.17	11.8383	16.7131	0.9238	7.05873	1.94E+00	1.30E+01	1.79E-01	5.20E-01	1.56E+01	1.91E+00	5.61E-04	1.96E-03	1.52E-02	1.93E+00	2.32E+00	1.30E+01	1.79E-01	5.20E-01	1.60E+01
5859	489003.52	3859958.97	11.7723	15.561	1.1775	6.24312	1.93E+00	1.21E+01	2.28E-01	4.60E-01	1.47E+01	1.90E+00	5.23E-04	2.50E-03	1.34E-02	1.91E+00	2.30E+00	1.21E+01	2.28E-01	4.60E-01	1.51E+01
5860	489103.18	3859957.77	11.7001	14.8911	1.3594	5.76706	1.91E+00	1.16E+01	2.64E-01	4.25E-01	1.42E+01	1.89E+00	5.00E-04	2.89E-03	1.24E-02	1.90E+00	2.29E+00	1.16E+01	2.64E-01	4.25E-01	1.45E+01
5861	489201.48	3860046.59	11.5728	14.1482	1.2423	4.85569	1.89E+00	1.10E+01	2.41E-01	3.57E-01	1.35E+01	1.86E+00	4.75E-04	2.64E-03	1.05E-02	1.88E+00	2.26E+00	1.10E+01	2.41E-01	3.57E-01	1.38E+01
5862	489200.11	3860136.61	10.9953	14.1289	1.2542	4.51723	1.80E+00	1.10E+01	2.43E-01	3.33E-01	1.33E+01	1.77E+00	4.75E-04	2.67E-03	9.72E-03	1.78E+00	2.15E+00	1.10E+01	2.43E-01	3.33E-01	1.37E+01
5863	489198.74	3860226.63	10.8408	15.5008	1.2707	4.1628	1.77E+00	1.20E+01	2.46E-01	3.06E-01	1.43E+01	1.75E+00	5.21E-04	2.70E-03	8.96E-03	1.76E+00	2.12E+00	1.20E+01	2.46E-01	3.06E-01	1.47E+01
5864	489197.38	3860316.65	10.6606	20.6781	1.048	4.0429	1.74E+00	1.60E+01	2.03E-01	2.98E-01	1.83E+01	1.72E+00	6.95E-04	2.23E-03	8.70E-03	1.73E+00	2.09E+00	1.60E+01	2.03E-01	2.98E-01	1.86E+01
5865	489196.01	3860406.68	10.035	23.5451	0.9756	2.93735	1.64E+00	1.83E+01	1.89E-01	2.16E-01	2.03E+01	1.62E+00	7.91E-04	2.07E-03	6.32E-03	1.63E+00	1.96E+00	1.83E+01	1.89E-01	2.16E-01	2.06E+01
5866	489194.64	3860496.7	9.85762	24.8031	0.9137	2.4399	1.61E+00	1.92E+01	1.77E-01	1.80E-01	2.12E+01	1.59E+00	8.33E-04	1.94E-03	5.25E-03	1.60E+00	1.93E+00	1.92E+01	1.77E-01	1.80E-01	2.15E+01
5867	489193.27	3860586.72	9.67612	25.7144	0.8082	2.30889	1.58E+00	1.99E+01	1.57E-01	1.70E-01	2.19E+01	1.56E+00	8.64E-04	1.72E-03	4.97E-03	1.57E+00	1.89E+00	1.99E+01	1.57E-01	1.70E-01	2.22E+01
5868	489092.02	3860678.13	9.43186	21.9965	0.6815	2.56649	1.54E+00	1.71E+01	1.32E-01	1.89E-01	1.89E+01	1.52E+00	7.39E-04	1.45E-03	5.53E-03	1.53E+00	1.85E+00	1.71E+01	1.32E-01	1.89E-01	1.92E+01
5869	488992.13	3860679.52	9.81988	21.6748	0.668	2.60884	1.61E+00	1.68E+01	1.30E-01	1.92E-01	1.87E+01	1.58E+00	7.28E-04	1.42E-03	5.62E-03	1.59E+00	1.92E+00	1.68E+01	1.30E-01	1.92E-01	1.91E+01
5870	488892.24	3860680.92	9.67538	21.419	0.6733	2.75259	1.58E+00	1.66E+01	1.31E-01	2.03E-01	1.85E+01	1.56E+00	7.19E-04	1.43E-03	5.93E-03	1.57E+00	1.89E+00	1.66E+01	1.31E-01	2.03E-01	1.88E+01
5871	488792.36	3860682.31	9.65291	21.2889	0.6776	2.78672	1.58E+00	1.65E+01	1.31E-01	2.05E-01	1.84E+01	1.56E+00	7.15E-04	1.44E-03	6.00E-03	1.56E+00	1.89E+00	1.65E+01	1.31E-01	2.05E-01	1.87E+01
5872	488692.47	3860683.7	9.271	21.3471	0.7399	3.00531	1.52E+00	1.66E+01	1.43E-01	2.21E-01	1.84E+01	1.49E+00	7.17E-04	1.57E-03	6.47E-03	1.50E+00	1.81E+00	1.66E+01	1.43E-01	2.21E-01	1.87E+01
5873	488592.59	3860685.1	8.78894	20.9955	0.7766	2.75933	1.44E+00	1.63E+01	1.51E-01	2.03E-01	1.81E+01	1.42E+00	7.05E-04	1.65E-03	5.94E-03	1.42E+00	1.72E+00	1.63E+01	1.51E-01	2.03E-01	1.84E+01
5874	488492.71	3860686.49	8.58337	20.9659	0.8205	2.41035	1.40E+00	1.63E+01	1.59E-01	1.77E-01	1.80E+01	1.38E+00	7.04E-04	1.74E-03	5.19E-03	1.39E+00	1.68E+00	1.63E+01	1.59E-01	1.77E-01	1.83E+01
5875	488299.07	3860762.18	8.33313	18.3066	0.7886	1.59874	1.36E+00	1.42E+01	1.53E-01	1.18E-01	1.58E+01	1.34E+00	6.15E-04	1.68E-03	3.44E-03	1.35E+00	1.63E+00	1.42E+01	1.53E-01	1.18E-01	1.61E+01
5876	488205.32	3860764.09	8.32782	17.5245	0.7847	1.52279	1.36E+00	1.36E+01	1.52E-01	1.12E-01	1.52E+01	1.34E+00	5.89E-04	1.67E-03	3.28E-03	1.35E+00	1.63E+00	1.36E+01	1.52E-01	1.12E-01	1.55E+01
5877	488111.56	3860766	8.04481	16.3958	0.7567	1.54453	1.32E+00	1.27E+01	1.47E-01	1.14E-01	1.43E+01	1.30E+00	5.51E-04	1.61E-03	3.32E-03	1.30E+00	1.57E+00	1.27E+01	1.47E-01	1.14E-01	1.46E+01
5878	488017.81	3860767.91	7.69479	15.1418	0.7566	1.71805	1.26E+00	1.17E+01	1.47E-01	1.26E-01	1.33E+01	1.24E+00	5.09E-04	1.61E-03	3.70E-03	1.25E+00	1.51E+00	1.17E+01	1.47E-01	1.26E-01	1.35E+01
5879	487924.06	3860769.81	7.38286	14.1349	0.7462	1.7697	1.21E+00	1.10E+01	1.45E-01	1.30E-01	1.24E+01	1.19E+00	4.75E-04	1.59E-03	3.81E-03	1.20E+00	1.44E+00	1.10E+01	1.45E-01	1.30E-01	1.27E+01
5880	487830.31	3860771.72	7.26628	13.7508	0.754	1.78192	1.19E+00	1.07E+01	1.46E-01	1.31E-01	1.21E+01	1.17E+00	4.62E-04	1.60E-03	3.84E-03	1.18E+00	1.42E+00	1.07E+01	1.46E-01	1.31E-01	1.24E+01
5881	487736.55	3860773.63	7.30716	13.6336	0.7749	2.10343	1.20E+00	1.06E+01	1.50E-01	1.55E-01	1.21E+01	1.18E+00	4.58E-04	1.65E-03	4.53E-03	1.18E+00	1.43E+00	1.06E+01	1.50E-01	1.55E-01	1.23E+01
5882	487642.8	3860775.54	7.42399	13.221	0.6908	1.79857	1.21E+00	1.03E+01	1.34E-01	1.32E-01	1.17E+01	1.20E+00	4.44E-04	1.47E-03	3.87E-03	1.20E+00	1.45E+00	1.03E+01	1.34E-01	1.32E-01	1.20E+01
5883	487549.48	3860684.71	7.57388	12.8432	0.7194	1.62901	1.24E+00	9.96E+00	1.39E-01	1.20E-01	1.15E+01	1.22E+00	4.31E-04	1.53E-03	3.51E-03	1.23E+00	1.48E+00	9.96E+00	1.39E-01	1.20E-01	1.17E+01
5884	487549.91	3860591.97	7.67851	13.6432	0.7578	1.53533	1.26E+00	1.06E+01	1.47E-01	1.13E-01	1.21E+01	1.24E+00	4.58E-04	1.61E-03	3.31E-03	1.24E+00	1.50E+00	1.06E+01	1.47E-01	1.13E-01	1.23E+01
5885	487550.34	3860499.23	7.823	13.9135	0.8001	1.5597	1.28E+00	1.08E+01	1.55E-01	1.15E-01	1.23E+01	1.26E+00	4.67E-04	1.70E-03	3.36E-03	1.27E+00	1.53E+00	1.08E+01	1.55E-01	1.15E-01	1.26E+01
5886	487550.76	3860406.49	8.02697	14.1193	0.8288	1.72186	1.31E+00	1.10E+01	1.61E-01	1.27E-01	1.26E+01	1.29E+00	4.74E-04	1.76E-03	3.71E-03	1.30E+00	1.57E+00	1.10E+01	1.61E-01	1.27E-01	1.28E+01
5887	487551.19	3860313.75	8.195	14.5842	0.8522	2.03439	1.34E+00	1.13E+01	1.65E-01	1.50E-01	1.30E+01	1.32E+00	4.90E-04	1.81E-03	4.38E-03	1.33E+00	1.60E+00	1.13E+01	1.65E-01	1.50E-01	1.32E+01
5888	487551.62	3860221.01	8.38052	14.6189	0.8764	2.11719	1.37E+00	1.13E+01	1.70E-01	1.56E-01	1.30E+01	1.35E+00	4.91E-04	1.86E-03	4.56E-03	1.36E+00	1.64E+00	1.13E+01	1.70E-01	1.56E-01	1.33E+01
5889	487552.05	3860128.27	8.68048	15.137	0.9047	2.14481	1.42E+00	1.17E+01	1.75E-01	1.58E-01	1.35E+01	1.40E+00	5.08E-04	1.92E-03	4.62E-03	1.41E+00	1.70E+00	1.17E+01	1.75E-01	1.58E-01	1.38E+01
5890	487552.48	3860035.53	9.05659	15.6786	0.9341	2.31741	1.48E+00	1.22E+01	1.81E-01	1.71E-01	1.40E+01	1.46E+00	5.27E-04	1.99E-03	4.99E-03	1.47E+00	1.77E+00	1.22E+01	1.81E-01	1.71E-01	1.43E+01
5891	487552.91	3859942.79	9.20192	15.9498	0.9641	2.47841	1.51E+00	1.24E+01	1.87E-01	1.82E-01	1.42E+01	1.48E+00	5.36E-04	2.05E-03	5.34E-03	1.49E+00	1.80E+00	1.24E+01	1.87E-01	1.82E-01	1.45E+01
5892	487553.33	3859850.05	9.40942	16.9742	1.0116	2.51398	1.54E+00	1.32E+01	1.96E-01	1.85E-01	1.51E+01	1.52E+00	5.70E-04	2.15E-03	5.41E-03	1.52E+00	1.84E+00	1.32E+01	1.96E-01	1.85E-01	1.54E+01
5893	487553.76	3859757.31	9.81242	17.8532	1.0489	2.98408	1.60E+00	1.38E+01	2.03E-01	2.20E-01	1.59E+01	1.58E+00	6.00E-04	2.23E-03	6.42E-03	1.59E+00	1.92E+00	1.38E+01	2.03E-01	2.20E-01	1.62E+01
5894	487554.19	3859664.57	10.1525	19.4213	1.0655	3.56712	1.66E+00	1.51E+01	2.07E-01	2.63E-01	1.72E+01	1.64E+00	6.52E-04	2.27E-03	7.68E-03	1.65E+00	1.99E+00	1.51E+01	2.07E-01	2.63E-01	1.75E+01
5895	487460.2	3859571.05	10.2701	22.0099	1.1956	3.39496	1.68E+00	1.71E+01	2.32E-01	2.50E-01	1.92E+01	1.65E+00	7.39E-04	2.54E-03	7.31E-03	1.67E+00	2.01E+00	1.71E+01	2.32E-01	2.50E-01	1.96E+01
5896	487365.78	3859570.27	10.2512	21.5082	1.2428	3.04828	1.68E+00	1.67E+01	2.41E-01	2.24E-01	1.88E+01	1.65E+00	7.22E-04	2.64E-03	6.56E-03	1.66E+00	2.01E+00	1.67E+01	2.41E-01	2.24E-01	1.92E+01
5897	487271.36	3859569.48	9.93808	20.8841	1.2203	2.69979	1.63E+00	1.62E+01	2.37E-01	1.99E-01	1.83E+01	1.60E+00	7.02E-04	2.59E-03	5.81E-03	1.61E+00	1.94E+00	1.62E+01	2.37E-01	1.99E-01	1.86E+01
5898	487176.94	3859568.7	9.56149	20.0645	1.2373	2.3078	1.56E+00	1.56E+01	2.40E-01	1.70E-01	1.75E+01	1.54E+00	6.74E-04	2.63E-03	4.97E-03	1.55E+00	1.87E+00	1.56E+01	2.40E-01	1.70E-01	1.78E+01
5899	487082.51	3859567.92	9.63577	19.3878	1.5863	2.22643	1.58E+00	1.50E+01	3.08E-01	1.64E-01	1.71E+01	1.55E+00	6.51E-04	3.37E-03	4.79E-03	1.56E+00	1.89E+00	1.50E+01	3.08E-01	1.64E-01	1.74E+01
5900	486988.09	3859567.14	9.37755	18.5733	1.781	2.13044	1.53E+00	1.44E+01	3.45E-01	1.57E-01	1.64E+01	1.51E+00	6.24E-04	3.79E-03	4.59E-03	1.52E+00	1.83E+00	1.44E+01	3.45E-01	1.57E-01	1.67E+01
5901	486893.67	3859566.36	9.03002	17.5155	1.6286	2.07595	1.48E+00	1.36E+01	3.16E-01	1.53E-01	1.55E+01	1.46E+00	5.88E-04	3.46E-03	4.47E-03	1.46E+00	1.77E+00	1.36E+01	3.16E-01	1.53E-01	1.58E+01
5902	486799.25	3859565.58	8.67466	15.4802	1.4462	1.97393	1.42E+00	1.20E+01	2.80E-01	1.45E-01	1.39E+01	1.40E+00	5.20E-04	3.07E-03	4.25E-03	1.41E+00	1.70E+00	1.20E+01	2.80E-01	1.45E-01	1.41E+01
5903	486704.83	3859564.79	8.46376	13.9611	1.5868	1.97131	1.38E+00	1.08E+01	3.08E-01	1.45E-01	1.27E+01	1.36E+00	4.69E-04	3.37E-03	4.24E-03	1.37E+00	1.66E+00	1.08E+01	3.08E-01	1.45E-01	1.29E+01
5904	486610.41	3859564.01	8.31421	12.9873	1.5163	2.00122	1.36E+00	1.01E+01	2.94E-01	1.47E-01	1.19E+01	1.34E+00	4.36E-04	3.22E-03	4.31E-03	1.35E+00	1.63E+00	1.01E+01	2.94E-01	1.47E-01	1.21E+01
5905	486515.99	3859563.23	8.11848	12.0927	1.5839	2.01044	1.33E+00	9.38E+00	3.07E-01	1.48E-01	1.12E+01	1.31E+00	4.06E-04	3.37E-03	4.33E-03	1.32E+00	1.59E+00	9.38E+00	3.07E-01	1.48E-01	1.14E+01
5906	486421.57	3859562.45	7.93676	11.4752	1.7721	1.96409	1.30E+00	8.90E+00	3.44E-01	1.45E-01	1.07E+01	1.28E+00	3.85E-04	3.77E-03	4.23E-03	1.29E+00	1.55E+00	8.90E+00	3.44E-01	1.45E-01	1.09E+01
5907	486327.14	3859561.67	7.72493	10.9004	2.0121	1.77977	1.26E+00	8.46E+00	3.90E-01	1.31E-01	1.02E+01	1.24E+00	3.66E-04	4.28E-03	3.83E-03	1.25E+00	1.51E+00	8.46E+00	3.90E-01	1.31E-01	1.05E+01
5908	486232.72	3859560.89	7.6164	10.5506	2.2239	1.77619	1.25E+00	8.18E+00	4.31E-01	1.31E-01	9.99E+00	1.23E+00	3.54E-04	4.73E-03	3.82E-03	1.24E+00	1.49E+00	8.18E+00	4.31E-01	1.31E-01	1.02E+01
5909	486138.3	3859560.1	7.36311	10.1361	2.2902	1.77254	1.20E+00	7.86E+00	4.44E-01	1.31E-01	9.64E+00	1.19E+00	3.40E-04	4.87E-03	3.82E-03	1.20E+00	1.44E+00	7.86E+00	4.44E-01	1.31E-01	9.88E+00
5910	486043.88	3859559.32	7.24459	9.7183	2.4067	1.75491	1.18E+00	7.54E+00	4.67E-01	1.29E-01	9.32E+00	1.17E+00	3.26E-04	5.12E-03	3.78E-03	1.18E+00	1.42E+00	7.54E+00	4.67E-01	1.29E-01	9.55E+00
5911	485949.35	3859463.54	7.2129	9.7739	2.5102	1.71488	1.18E+00	7.58E+00	4.87E-01	1.26E-01	9.37E+00	1.16E+00	3.28E-04	5.34E-03	3.69E-03	1.17E+00	1.41E+00	7.58E+00	4.87E-01	1.26E-01	9.61E+00
5912	485949.24	3859368.55	7.38596	10.8298	2.6216	1.75594	1.21E+00	8.40E+00	5.08E-01	1.29E-01	1.02E+01	1.19E+00	3.64E-04	5.57E-03	3.78E-03	1.20E+00	1.45E+00	8.40E+00	5.08E-01	1.29E-01	1.05E+01
5913	485949.12	3859273.55	7.64682	11.8663	2.5241	1.70701	1.25E+00	9.20E+00	4.89E-01	1.26E-01	1.11E+01	1.23E+00	3.99E-04	5.37E-03	3.67E-03	1.24E+00	1.50E+00	9.21E+00	4.89E-01	1.26E-01	1.13E+01

5914	485949.01	3859178.56	7.90816	12.9131	2.7028	1.84165	1.29E+00	1.00E+01	5.24E-01	1.36E-01	1.20E+01	1.27E+00	4.34E-04	5.75E-03	3.96E-03	1.28E+00	1.55E+00	1.00E+01	5.24E-01	1.36E-01	1.22E+01
5915	485948.9	3859083.56	8.15067	14.1117	3.3141	1.92167	1.33E+00	1.09E+01	6.43E-01	1.41E-01	1.31E+01	1.31E+00	4.74E-04	7.05E-03	4.14E-03	1.32E+00	1.59E+00	1.09E+01	6.43E-01	1.41E-01	1.33E+01
5916	485948.79	3858988.56	8.33295	15.2155	4.2517	2.00672	1.36E+00	1.18E+01	8.24E-01	1.48E-01	1.41E+01	1.34E+00	5.11E-04	9.04E-03	4.32E-03	1.36E+00	1.63E+00	1.18E+01	8.24E-01	1.48E-01	1.44E+01
5917	485948.67	3858893.57	8.51443	16.1737	4.9028	1.99807	1.39E+00	1.25E+01	9.51E-01	1.47E-01	1.50E+01	1.37E+00	5.43E-04	1.04E-02	4.30E-03	1.39E+00	1.67E+00	1.25E+01	9.51E-01	1.47E-01	1.53E+01
5918	485948.56	3858798.57	8.73201	16.7263	5.2307	2.01274	1.43E+00	1.30E+01	1.01E+00	1.48E-01	1.56E+01	1.41E+00	5.62E-04	1.11E-02	4.33E-03	1.42E+00	1.71E+00	1.30E+01	1.01E+00	1.48E-01	1.58E+01
5919	485948.45	3858703.58	8.94173	16.3989	4.9854	2.12888	1.46E+00	1.27E+01	9.67E-01	1.57E-01	1.53E+01	1.44E+00	5.51E-04	1.06E-02	4.58E-03	1.46E+00	1.75E+00	1.27E+01	9.67E-01	1.57E-01	1.56E+01
5920	485948.34	3858608.58	9.2362	16.0977	4.5301	1.9897	1.51E+00	1.25E+01	8.78E-01	1.46E-01	1.50E+01	1.49E+00	5.41E-04	9.63E-03	4.28E-03	1.50E+00	1.81E+00	1.25E+01	8.78E-01	1.46E-01	1.53E+01
5921	485948.22	3858513.59	9.53769	15.8497	4.6052	1.96227	1.56E+00	1.23E+01	8.93E-01	1.44E-01	1.49E+01	1.54E+00	5.32E-04	9.79E-03	4.22E-03	1.55E+00	1.87E+00	1.23E+01	8.93E-01	1.44E-01	1.52E+01
5922	485948.11	3858418.59	9.79739	15.8186	4.5332	1.92996	1.60E+00	1.23E+01	8.79E-01	1.42E-01	1.49E+01	1.58E+00	5.31E-04	9.64E-03	4.15E-03	1.59E+00	1.92E+00	1.23E+01	8.79E-01	1.42E-01	1.52E+01
5923	485948	3858323.59	10.2087	16.1536	4.716	1.77418	1.67E+00	1.25E+01	9.14E-01	1.31E-01	1.52E+01	1.64E+00	5.43E-04	1.00E-02	3.82E-03	1.66E+00	2.00E+00	1.25E+01	9.14E-01	1.31E-01	1.56E+01
5924	485947.89	3858228.6	10.509	17.0177	4.6273	1.748	1.72E+00	1.32E+01	8.97E-01	1.29E-01	1.59E+01	1.69E+00	5.72E-04	9.84E-03	3.76E-03	1.71E+00	2.06E+00	1.32E+01	8.97E-01	1.29E-01	1.63E+01
5925	485947.77	3858133.6	10.8625	18.2945	5.2834	1.73017	1.78E+00	1.42E+01	1.02E+00	1.27E-01	1.71E+01	1.75E+00	6.15E-04	1.12E-02	3.72E-03	1.77E+00	2.13E+00	1.42E+01	1.02E+00	1.27E-01	1.75E+01
5926	485947.66	3858038.61	11.3411	18.8676	4.9834	1.56482	1.85E+00	1.46E+01	9.66E-01	1.15E-01	1.76E+01	1.83E+00	6.34E-04	1.06E-02	3.37E-03	1.84E+00	2.22E+00	1.46E+01	9.66E-01	1.15E-01	1.79E+01
5927	485854.54	3857943.35	11.3721	17.7175	4.4811	1.48413	1.86E+00	1.37E+01	8.69E-01	1.09E-01	1.66E+01	1.83E+00	5.95E-04	9.53E-03	3.19E-03	1.85E+00	2.23E+00	1.37E+01	8.69E-01	1.09E-01	1.69E+01
5928	485761.52	3857943.09	10.9833	16.9378	4.1863	1.55501	1.80E+00	1.31E+01	8.12E-01	1.14E-01	1.59E+01	1.77E+00	5.69E-04	8.90E-03	3.35E-03	1.78E+00	2.15E+00	1.31E+01	8.12E-01	1.14E-01	1.62E+01
5929	485668.51	3857942.83	10.6497	15.4982	3.9276	1.6109	1.74E+00	1.20E+01	7.62E-01	1.19E-01	1.46E+01	1.72E+00	5.21E-04	8.35E-03	3.47E-03	1.73E+00	2.08E+00	1.20E+01	7.62E-01	1.19E-01	1.50E+01
5930	485575.5	3857942.56	10.3381	14.3474	3.7081	1.61105	1.69E+00	1.11E+01	7.19E-01	1.19E-01	1.37E+01	1.67E+00	4.82E-04	7.88E-03	3.47E-03	1.68E+00	2.02E+00	1.11E+01	7.19E-01	1.19E-01	1.40E+01
5931	485482.48	3857942.3	10.0866	13.431	3.5131	1.57359	1.65E+00	1.04E+01	6.81E-01	1.16E-01	1.29E+01	1.63E+00	4.51E-04	7.47E-03	3.39E-03	1.64E+00	1.97E+00	1.04E+01	6.81E-01	1.16E-01	1.32E+01
5932	485389.47	3857942.04	9.7339	12.754	3.3527	1.56096	1.59E+00	9.89E+00	6.50E-01	1.15E-01	1.23E+01	1.57E+00	4.28E-04	7.13E-03	3.36E-03	1.58E+00	1.90E+00	9.89E+00	6.50E-01	1.15E-01	1.26E+01
5933	485296.46	3857941.78	9.54048	12.0996	3.199	1.54899	1.56E+00	9.39E+00	6.20E-01	1.14E-01	1.17E+01	1.54E+00	4.06E-04	6.80E-03	3.33E-03	1.55E+00	1.87E+00	9.39E+00	6.20E-01	1.14E-01	1.20E+01
5934	485203.45	3857941.52	9.27664	11.5532	3.0592	1.45818	1.52E+00	8.96E+00	5.93E-01	1.07E-01	1.12E+01	1.49E+00	3.88E-04	6.50E-03	3.14E-03	1.50E+00	1.82E+00	8.96E+00	5.93E-01	1.07E-01	1.15E+01
5935	485110.43	3857941.26	9.06934	11.5138	2.9245	1.28548	1.48E+00	8.93E+00	5.67E-01	9.46E-02	1.11E+01	1.46E+00	3.87E-04	6.22E-03	2.77E-03	1.47E+00	1.77E+00	8.93E+00	5.67E-01	9.46E-02	1.14E+01
5936	485017.42	3857940.99	8.82118	11.5233	2.7971	1.37218	1.44E+00	8.94E+00	5.42E-01	1.01E-01	1.10E+01	1.42E+00	3.87E-04	5.95E-03	2.95E-03	1.43E+00	1.73E+00	8.94E+00	5.42E-01	1.01E-01	1.13E+01
5937	484924.41	3857940.73	8.60524	11.5318	2.6784	1.33448	1.41E+00	8.95E+00	5.19E-01	9.82E-02	1.10E+01	1.39E+00	3.87E-04	5.69E-03	2.87E-03	1.40E+00	1.68E+00	8.95E+00	5.19E-01	9.82E-02	1.12E+01
5938	484831.39	3857940.47	8.50938	11.6028	2.5697	1.26211	1.39E+00	9.00E+00	4.98E-01	9.29E-02	1.10E+01	1.37E+00	3.90E-04	5.46E-03	2.72E-03	1.38E+00	1.67E+00	9.00E+00	4.98E-01	9.29E-02	1.13E+01
5939	484738.12	3857859.3	8.52868	11.7533	2.5649	1.36139	1.39E+00	9.12E+00	4.97E-01	1.00E-01	1.11E+01	1.37E+00	3.95E-04	5.45E-03	2.93E-03	1.38E+00	1.67E+00	9.12E+00	4.97E-01	1.00E-01	1.14E+01
5940	484737.85	3857778.4	8.85334	12.2227	2.9795	1.35603	1.45E+00	9.48E+00	5.78E-01	9.98E-02	1.16E+01	1.43E+00	4.11E-04	6.34E-03	2.92E-03	1.44E+00	1.73E+00	9.48E+00	5.78E-01	9.98E-02	1.19E+01
5941	484737.59	3857697.49	9.09265	12.8314	2.5037	1.37197	1.49E+00	9.95E+00	4.85E-01	1.01E-01	1.20E+01	1.47E+00	4.31E-04	5.32E-03	2.95E-03	1.47E+00	1.78E+00	9.95E+00	4.85E-01	1.01E-01	1.23E+01
5942	484737.32	3857616.59	9.43567	13.6478	2.6139	1.42611	1.54E+00	1.06E+01	5.07E-01	1.05E-01	1.27E+01	1.52E+00	4.58E-04	5.56E-03	3.07E-03	1.53E+00	1.85E+00	1.06E+01	5.07E-01	1.05E-01	1.30E+01
5943	484645.53	3857535.18	9.53098	14.6961	2.87	1.37894	1.56E+00	1.14E+01	5.57E-01	1.02E-01	1.36E+01	1.54E+00	4.94E-04	6.10E-03	2.97E-03	1.55E+00	1.87E+00	1.14E+01	5.57E-01	1.02E-01	1.39E+01
5944	484553.99	3857534.67	9.3715	14.3831	2.7515	1.31656	1.53E+00	1.12E+01	5.34E-01	9.69E-02	1.33E+01	1.51E+00	4.83E-04	5.85E-03	2.83E-03	1.52E+00	1.83E+00	1.12E+01	5.34E-01	9.69E-02	1.36E+01
5945	484462.46	3857534.17	9.23335	14.1281	2.6452	1.31901	1.51E+00	1.10E+01	5.13E-01	9.71E-02	1.31E+01	1.49E+00	4.75E-04	5.62E-03	2.84E-03	1.50E+00	1.81E+00	1.10E+01	5.13E-01	9.71E-02	1.34E+01
5946	484370.93	3857533.66	9.06151	13.9142	2.4979	1.16112	1.48E+00	1.08E+01	4.84E-01	8.55E-02	1.28E+01	1.46E+00	4.67E-04	5.31E-03	2.50E-03	1.47E+00	1.77E+00	1.08E+01	4.84E-01	8.55E-02	1.31E+01
5947	484279.4	3857533.16	8.99653	13.3037	2.3542	1.09215	1.47E+00	1.03E+01	4.56E-01	8.04E-02	1.23E+01	1.45E+00	4.47E-04	5.01E-03	2.35E-03	1.46E+00	1.76E+00	1.03E+01	4.56E-01	8.04E-02	1.26E+01
5948	484187.86	3857532.65	8.87634	12.7541	2.2208	1.10786	1.45E+00	9.89E+00	4.31E-01	8.16E-02	1.19E+01	1.43E+00	4.28E-04	4.72E-03	2.38E-03	1.44E+00	1.74E+00	9.89E+00	4.31E-01	8.16E-02	1.21E+01
5949	484096.33	3857532.15	8.75806	11.8056	2.0892	1.0901	1.43E+00	9.16E+00	4.05E-01	8.03E-02	1.11E+01	1.41E+00	3.97E-04	4.44E-03	2.35E-03	1.42E+00	1.71E+00	9.16E+00	4.05E-01	8.03E-02	1.14E+01
5950	484004.8	3857531.64	8.62856	10.9783	1.9699	1.09591	1.41E+00	8.52E+00	3.82E-01	8.07E-02	1.04E+01	1.39E+00	3.69E-04	4.19E-03	2.36E-03	1.40E+00	1.69E+00	8.52E+00	3.82E-01	8.07E-02	1.07E+01
5951	483913.27	3857531.14	8.43895	10.1613	1.8837	1.29988	1.38E+00	7.88E+00	3.65E-01	9.57E-02	9.72E+00	1.36E+00	3.41E-04	4.01E-03	2.80E-03	1.37E+00	1.65E+00	7.88E+00	3.65E-01	9.57E-02	9.99E+00
5952	483821.73	3857530.63	8.32392	9.49156	1.8206	1.41151	1.36E+00	7.36E+00	3.53E-01	1.04E-01	9.18E+00	1.34E+00	3.19E-04	3.87E-03	3.04E-03	1.35E+00	1.63E+00	7.36E+00	3.53E-01	1.04E-01	9.45E+00
5953	483729.61	3857450.11	8.33475	9.72715	2.0626	1.6578	1.36E+00	7.55E+00	4.00E-01	1.22E-01	9.43E+00	1.34E+00	3.27E-04	4.39E-03	3.57E-03	1.35E+00	1.63E+00	7.55E+00	4.00E-01	1.22E-01	9.70E+00
5954	483729.03	3857370.08	8.52608	10.5422	2.0282	1.74786	1.39E+00	8.18E+00	3.93E-01	1.29E-01	1.01E+01	1.37E+00	3.54E-04	4.31E-03	3.76E-03	1.38E+00	1.67E+00	8.18E+00	3.93E-01	1.29E-01	1.04E+01
5955	483728.44	3857290.06	8.75537	11.4635	2.1341	1.70383	1.43E+00	8.89E+00	4.14E-01	1.25E-01	1.09E+01	1.41E+00	3.85E-04	4.54E-03	3.67E-03	1.42E+00	1.71E+00	8.89E+00	4.14E-01	1.25E-01	1.11E+01
5956	483727.86	3857210.03	8.95799	12.6661	2.2141	1.81479	1.47E+00	9.83E+00	4.29E-01	1.34E-01	1.19E+01	1.44E+00	4.25E-04	4.71E-03	3.91E-03	1.45E+00	1.75E+00	9.83E+00	4.29E-01	1.34E-01	1.21E+01
5957	483641.15	3857129.07	9.02441	13.0308	2.4962	1.81445	1.48E+00	1.01E+01	4.84E-01	1.34E-01	1.22E+01	1.45E+00	4.38E-04	5.31E-03	3.91E-03	1.46E+00	1.77E+00	1.01E+01	4.84E-01	1.34E-01	1.25E+01
5958	483555.03	3857128.14	8.91475	12.0057	2.3553	1.78522	1.46E+00	9.31E+00	4.57E-01	1.31E-01	1.14E+01	1.44E+00	4.03E-04	5.01E-03	3.84E-03	1.45E+00	1.74E+00	9.31E+00	4.57E-01	1.31E-01	1.16E+01
5959	483468.91	3857127.2	8.74368	11.2254	2.2048	1.67089	1.43E+00	8.71E+00	4.28E-01	1.23E-01	1.07E+01	1.41E+00	3.77E-04	4.69E-03	3.60E-03	1.42E+00	1.71E+00	8.71E+00	4.28E-01	1.23E-01	1.10E+01
5960	483382.78	3857126.26	8.631	10.4497	2.0821	1.69295	1.41E+00	8.11E+00	4.04E-01	1.25E-01	1.00E+01	1.39E+00	3.51E-04	4.43E-03	3.64E-03	1.40E+00	1.69E+00	8.11E+00	4.04E-01	1.25E-01	1.03E+01
5961	483296.66	3857125.32	8.52135	9.98986	1.9739	1.64662	1.39E+00	7.75E+00	3.83E-01	1.21E-01	9.65E+00	1.37E+00	3.36E-04	4.20E-03	3.54E-03	1.38E+00	1.67E+00	7.75E+00	3.83E-01	1.21E-01	9.92E+00
5962	483210.54	3857124.39	8.39453	9.59463	1.9057	1.60931	1.37E+00	7.44E+00	3.70E-01	1.18E-01	9.30E+00	1.35E+00	3.22E-04	4.05E-03	3.46E-03	1.36E+00	1.64E+00	7.44E+00	3.70E-01	1.18E-01	9.57E+00
5963	483123.4	3857030.96	8.44681	9.8489	2.2188	1.6308	1.38E+00	7.64E+00	4.30E-01	1.20E-01	9.57E+00	1.36E+00	3.31E-04	4.72E-03	3.51E-03	1.37E+00	1.65E+00	7.64E+00	4.30E-01	1.20E-01	9.84E+00
5964	483122.38	3856938.46	8.67661	10.4835	2.4316	1.48471	1.42E+00	8.13E+00	4.72E-01	1.09E-01	1.01E+01	1.40E+00	3.52E-04	5.17E-03	3.20E-03	1.41E+00	1.70E+00	8.13E+00	4.72E-01	1.09E-01	1.04E+01
5965	483121.35	3856845.97	8.95241	11.1282	2.2345	1.54584	1.46E+00	8.63E+00	4.33E-01	1.14E-01	1.06E+01	1.44E+00	3.74E-04	4.75E-03	3.33E-03	1.45E+00	1.75E+00	8.63E+00	4.33E-01	1.14E-01	1.09E+01
5966	483120.33	3856753.47	9.18168	12.9304	2.0758	1.74484	1.50E+00	1.00E+01	4.03E-01	1.28E-01	1.21E+01	1.48E+00	4.34E-04	4.41E-03	3.76E-03	1.49E+00	1.80E+00	1.00E+01	4.03E-01	1.28E-01	1.24E+01
5967	483119.31	3856660.98	9.35562	14.0674	1.972	1.93797	1.53E+00	1.09E+01	3.82E-01	1.43E-01	1.30E+01	1.51E+00	4.73E-04	4.19E-03	4.17E-03	1.52E+00	1.83E+00	1.09E+01	3.82E-01	1.43E-01	1.33E+01
5968	483118.29	3856568.49	9.68387	14.8722	1.8981	2.10707	1.58E+00	1.15E+01	3.68E-01	1.55E-01	1.36E+01	1.56E+00	5.00E-04	4.04E-03	4.54E-03	1.57E+00	1.89E+00	1.15E+01	3.68E-01	1.55E-01	1.40E+01
5969	483117.26	3856475.99	9.98963	14.904	1.9984	2.20817	1.63E+00	1.16E+01	3.87E-01	1.63E-01	1.37E+01	1.61E+00	5.01E-04	4.25E-03	4.75E-03	1.62E+00	1.95E+00	1.16E+01	3.87E-01	1.63E-01	1.41E+01
5970	483116.24	3856383.5	10.2408	15.3702	2.0696	2.49451	1.67E+00	1.19E+01	4.01E-01	1.84E-01	1.42E+01	1.65E+00	5.16E-04	4.40E-03	5.37E-03	1.66E+00	2.00E+00	1.19E+01	4.01E-01	1.84E-01	1.45E+01
5971	483115.22	3856291.01	10.4715	15.7533	1.9125	2.80883	1.71E+00	1.22E+01	3.71E-01	2.07E-01	1.45E+01	1.69E+00	5.29E-04	4.07E-03	6.05E-03	1.70E+00	2.05E+00	1.22E+01	3.71E-01	2.07E-01	1.48E+01
5972	483114.2	3856198.51	10.8414	16.9937	1.7293	3.06836	1.77E+00	1.32E+01	3.35E-01	2.26E-01	1.55E+01	1.75E+00	5.71E-04	3.68E-03	6.61E-03	1.76E+00	2.12E+00	1.32E+01	3.35E-01	2.26E-01	1.59E+01
5973	483113.17	3856106.02	11.3281	16.7953	1.5555	3.59699	1.85E+00	1.30E+01	3.02E-01	2.65E-01	1.54E+01	1.83E+00	5.64E-04	3.31E-03	7.74E-03	1.84E+00	2.22E+00	1.30E+01	3.02E-01	2.65E-01	1.58E+01
5974	483112.15	3856013.52	11.5577	17.5671	1.3834	3.54076	1.89E+00	1.36E+01	2.68E-01	2.61E-01	1.60E+01	1.86E+00	5.90E-04	2.94E-03	7.62E-03	1.87E+00	2.26E+00	1.36E+01	2.68E-01	2.61E-01	1.64E+01

5975	483029.25	3855920.47	11.6435	16.4443	1.2647	3.10421	1.90E+00	1.28E+01	2.45E-01	2.29E-01	1.51E+01	1.88E+00	5.52E-04	2.69E-03	6.68E-03	1.89E+00	2.28E+00	1.28E+01	2.45E-01	2.29E-01	1.55E+01
5976	482947.37	3855919.91	11.3883	15.2071	1.2841	2.69795	1.86E+00	1.18E+01	2.49E-01	1.99E-01	1.41E+01	1.84E+00	5.11E-04	2.73E-03	5.81E-03	1.84E+00	2.23E+00	1.18E+01	2.49E-01	1.99E-01	1.45E+01
5977	482865.49	3855919.36	11.174	14.5084	1.304	2.46223	1.83E+00	1.13E+01	2.53E-01	1.81E-01	1.35E+01	1.80E+00	4.87E-04	2.77E-03	5.30E-03	1.81E+00	2.19E+00	1.13E+01	2.53E-01	1.81E-01	1.39E+01
5978	482783.61	3855918.8	11.0358	13.8436	1.3264	2.32823	1.81E+00	1.07E+01	2.57E-01	1.71E-01	1.30E+01	1.78E+00	4.65E-04	2.82E-03	5.01E-03	1.79E+00	2.16E+00	1.07E+01	2.57E-01	1.71E-01	1.33E+01
5979	482700.33	3855818.39	11.0507	13.3184	1.2104	2.06415	1.81E+00	1.03E+01	2.35E-01	1.52E-01	1.25E+01	1.78E+00	4.47E-04	2.57E-03	4.44E-03	1.79E+00	2.16E+00	1.03E+01	2.35E-01	1.52E-01	1.29E+01
5980	482698.92	3855718.54	11.5107	13.2337	1.1371	2.0926	1.88E+00	1.03E+01	2.20E-01	1.54E-01	1.25E+01	1.85E+00	4.45E-04	2.42E-03	4.50E-03	1.86E+00	2.25E+00	1.03E+01	2.20E-01	1.54E-01	1.29E+01
5981	482697.52	3855618.68	11.8794	14.2635	1.0086	1.96491	1.94E+00	1.11E+01	1.96E-01	1.45E-01	1.33E+01	1.91E+00	4.79E-04	2.14E-03	4.23E-03	1.92E+00	2.32E+00	1.11E+01	1.96E-01	1.45E-01	1.37E+01
5982	482696.11	3855518.83	12.5055	15.6796	0.9249	1.86914	2.05E+00	1.22E+01	1.79E-01	1.38E-01	1.45E+01	2.02E+00	5.27E-04	1.97E-03	4.02E-03	2.02E+00	2.45E+00	1.22E+01	1.79E-01	1.38E-01	1.49E+01
5983	482694.71	3855418.98	13.0284	17.7041	0.8769	1.57282	2.13E+00	1.37E+01	1.70E-01	1.16E-01	1.61E+01	2.10E+00	5.95E-04	1.86E-03	3.39E-03	2.11E+00	2.55E+00	1.37E+01	1.70E-01	1.16E-01	1.66E+01
5984	482693.3	3855319.13	13.5272	16.9262	0.9221	1.31191	2.21E+00	1.31E+01	1.79E-01	9.66E-02	1.56E+01	2.18E+00	5.69E-04	1.96E-03	2.82E-03	2.19E+00	2.65E+00	1.31E+01	1.79E-01	9.66E-02	1.61E+01
5985	482691.9	3855219.27	13.9538	15.8805	0.9414	1.61592	2.28E+00	1.23E+01	1.83E-01	1.19E-01	1.49E+01	2.25E+00	5.33E-04	2.00E-03	3.48E-03	2.25E+00	2.73E+00	1.23E+01	1.83E-01	1.19E-01	1.54E+01
5986	482690.49	3855119.42	13.796	15.2931	0.733	2.53911	2.26E+00	1.19E+01	1.42E-01	1.87E-01	1.44E+01	2.22E+00	5.14E-04	1.56E-03	5.47E-03	2.23E+00	2.70E+00	1.19E+01	1.42E-01	1.87E-01	1.49E+01
5987	482689.09	3855019.57	14.1414	13.8283	0.6625	3.05852	2.31E+00	1.07E+01	1.28E-01	2.25E-01	1.34E+01	2.28E+00	4.65E-04	1.41E-03	6.58E-03	2.29E+00	2.77E+00	1.07E+01	1.28E-01	2.25E-01	1.38E+01
5988	482687.68	3854919.71	14.3123	13.9411	0.6545	2.19214	2.34E+00	1.08E+01	1.27E-01	1.61E-01	1.34E+01	2.31E+00	4.68E-04	1.39E-03	4.72E-03	2.31E+00	2.80E+00	1.08E+01	1.27E-01	1.61E-01	1.39E+01
5989	482686.28	3854819.86	13.3972	12.36	0.6275	1.84783	2.19E+00	9.59E+00	1.22E-01	1.36E-01	1.20E+01	2.16E+00	4.15E-04	1.33E-03	3.98E-03	2.16E+00	2.62E+00	9.59E+00	1.22E-01	1.36E-01	1.25E+01
5990	482684.88	3854720.01	13.2436	11.6127	0.5877	1.7936	2.17E+00	9.01E+00	1.14E-01	1.32E-01	1.14E+01	2.13E+00	3.90E-04	1.25E-03	3.86E-03	2.14E+00	2.59E+00	9.01E+00	1.14E-01	1.32E-01	1.18E+01
5991	482683.47	3854620.16	12.8461	9.7717	0.5072	1.65078	2.10E+00	7.58E+00	9.84E-02	1.22E-01	9.90E+00	2.07E+00	3.28E-04	1.08E-03	3.55E-03	2.07E+00	2.51E+00	7.58E+00	9.84E-02	1.22E-01	1.03E+01
5992	482682.07	3854520.31	12.726	8.9056	0.4847	1.47942	2.08E+00	6.91E+00	9.40E-02	1.09E-01	9.19E+00	2.05E+00	2.99E-04	1.03E-03	3.18E-03	2.06E+00	2.49E+00	6.91E+00	9.40E-02	1.09E-01	9.60E+00
5993	482680.66	3854420.45	12.5721	8.20686	0.4722	1.46342	2.06E+00	6.37E+00	9.16E-02	1.08E-01	8.62E+00	2.03E+00	2.76E-04	1.00E-03	3.15E-03	2.03E+00	2.46E+00	6.37E+00	9.16E-02	1.08E-01	9.03E+00
5994	482679.26	3854320.6	12.7514	7.55118	0.4556	1.28179	2.09E+00	5.86E+00	8.83E-02	9.44E-02	8.13E+00	2.05E+00	2.54E-04	9.69E-04	2.76E-03	2.06E+00	2.50E+00	5.86E+00	8.83E-02	9.44E-02	8.54E+00
5995	482677.85	3854220.75	13.9245	6.67609	0.4238	1.20165	2.28E+00	5.18E+00	8.22E-02	8.85E-02	7.63E+00	2.24E+00	2.24E-04	9.01E-04	2.59E-03	2.25E+00	2.72E+00	5.18E+00	8.22E-02	8.85E-02	8.07E+00
5996	482676.45	3854120.9	14.005	6.01832	0.414	1.13764	2.29E+00	4.67E+00	8.03E-02	8.38E-02	7.12E+00	2.26E+00	2.02E-04	8.80E-04	2.45E-03	2.26E+00	2.74E+00	4.67E+00	8.03E-02	8.38E-02	7.57E+00
5997	482675.04	3854021.04	13.9831	5.98151	0.4054	1.06362	2.29E+00	4.64E+00	7.86E-02	7.83E-02	7.08E+00	2.25E+00	2.01E-04	8.62E-04	2.29E-03	2.26E+00	2.74E+00	4.64E+00	7.86E-02	7.83E-02	7.53E+00
5998	482673.64	3853921.19	12.8747	5.77617	0.4048	0.97951	2.11E+00	4.48E+00	7.85E-02	7.21E-02	6.74E+00	2.07E+00	1.94E-04	8.61E-04	2.11E-03	2.08E+00	2.52E+00	4.48E+00	7.85E-02	7.21E-02	7.15E+00
5999	482672.23	3853821.34	14.0366	5.51417	0.4087	0.90226	2.30E+00	4.28E+00	7.92E-02	6.64E-02	6.72E+00	2.26E+00	1.85E-04	8.69E-04	1.94E-03	2.26E+00	2.75E+00	4.28E+00	7.92E-02	6.64E-02	7.17E+00
6000	482670.83	3853721.48	12.6105	5.31584	0.4122	0.91674	2.06E+00	4.12E+00	7.99E-02	6.75E-02	6.33E+00	2.03E+00	1.79E-04	8.76E-04	1.97E-03	2.03E+00	2.47E+00	4.12E+00	7.99E-02	6.75E-02	6.74E+00
6001	482669.42	3853621.63	12.3274	5.10191	0.4064	0.85364	2.02E+00	3.96E+00	7.88E-02	6.28E-02	6.12E+00	1.99E+00	1.71E-04	8.64E-04	1.84E-03	1.99E+00	2.41E+00	3.96E+00	7.88E-02	6.28E-02	6.51E+00
6002	482645.99	3853446.13	11.0901	4.79182	0.3891	0.79643	1.81E+00	3.72E+00	7.54E-02	5.86E-02	5.66E+00	1.79E+00	1.61E-04	8.27E-04	1.71E-03	1.79E+00	2.17E+00	3.72E+00	7.54E-02	5.86E-02	6.02E+00
6003	482623.97	3853370.48	12.1719	4.72277	0.3811	0.77954	1.99E+00	3.66E+00	7.39E-02	5.74E-02	5.79E+00	1.96E+00	1.59E-04	8.10E-04	1.68E-03	1.96E+00	2.38E+00	3.66E+00	7.39E-02	5.74E-02	6.18E+00
6004	482601.94	3853294.84	12.0179	4.56519	0.3778	0.75362	1.97E+00	3.54E+00	7.33E-02	5.55E-02	5.64E+00	1.94E+00	1.53E-04	8.03E-04	1.62E-03	1.94E+00	2.35E+00	3.54E+00	7.33E-02	5.55E-02	6.02E+00
6005	482531.29	3853133.44	13.0138	4.33362	0.3699	0.72643	2.13E+00	3.36E+00	7.17E-02	5.35E-02	5.62E+00	2.10E+00	1.46E-04	7.86E-04	1.56E-03	2.10E+00	2.55E+00	3.36E+00	7.17E-02	5.35E-02	6.03E+00
6006	482482.68	3853047.69	13.1725	4.2373	0.3604	0.70749	2.15E+00	3.29E+00	6.99E-02	5.21E-02	5.56E+00	2.12E+00	1.42E-04	7.66E-04	1.52E-03	2.12E+00	2.58E+00	3.29E+00	6.99E-02	5.21E-02	5.99E+00
6007	482383.09	3852897.4	12.9796	4.0579	0.3533	0.6504	2.12E+00	3.15E+00	6.85E-02	4.79E-02	5.39E+00	2.09E+00	1.36E-04	7.51E-04	1.40E-03	2.09E+00	2.54E+00	3.15E+00	6.85E-02	4.79E-02	5.80E+00
6008	482265.64	3852765.26	12.3517	3.94115	0.346	0.61347	2.02E+00	3.06E+00	6.71E-02	4.52E-02	5.19E+00	1.99E+00	1.32E-04	7.36E-04	1.32E-03	1.99E+00	2.42E+00	3.06E+00	6.71E-02	4.52E-02	5.59E+00
6009	482199.16	3852697.66	12.0737	3.76641	0.3414	0.60034	1.97E+00	2.92E+00	6.62E-02	4.42E-02	5.01E+00	1.95E+00	1.27E-04	7.26E-04	1.29E-03	1.95E+00	2.36E+00	2.92E+00	6.62E-02	4.42E-02	5.39E+00
6010	482132.69	3852630.07	11.8146	3.75202	0.3368	0.58602	1.93E+00	2.91E+00	6.53E-02	4.31E-02	4.95E+00	1.90E+00	1.26E-04	7.16E-04	1.26E-03	1.91E+00	2.31E+00	2.91E+00	6.53E-02	4.31E-02	5.33E+00
6011	482066.21	3852562.48	11.5572	3.73052	0.3323	0.55278	1.89E+00	2.89E+00	6.44E-02	4.07E-02	4.89E+00	1.86E+00	1.25E-04	7.07E-04	1.19E-03	1.86E+00	2.26E+00	2.89E+00	6.44E-02	4.07E-02	5.26E+00
6012	481999.74	3852494.89	11.2474	3.64845	0.3283	0.53817	1.84E+00	2.83E+00	6.37E-02	3.96E-02	4.77E+00	1.81E+00	1.23E-04	6.98E-04	1.16E-03	1.81E+00	2.20E+00	2.83E+00	6.37E-02	3.96E-02	5.13E+00
6013	481933.26	3852427.29	10.9691	3.57335	0.3243	0.52457	1.79E+00	2.77E+00	6.29E-02	3.86E-02	4.67E+00	1.77E+00	1.20E-04	6.90E-04	1.13E-03	1.77E+00	2.15E+00	2.77E+00	6.29E-02	3.86E-02	5.02E+00
6014	481866.79	3852359.7	10.7456	3.45277	0.32	0.51403	1.76E+00	2.68E+00	6.20E-02	3.78E-02	4.54E+00	1.73E+00	1.16E-04	6.80E-04	1.11E-03	1.73E+00	2.10E+00	2.68E+00	6.20E-02	3.78E-02	4.88E+00
6015	481800.31	3852292.11	10.53	3.39493	0.3162	0.50349	1.72E+00	2.63E+00	6.13E-02	3.71E-02	4.45E+00	1.70E+00	1.14E-04	6.72E-04	1.08E-03	1.70E+00	2.06E+00	2.63E+00	6.13E-02	3.71E-02	4.79E+00
6016	481733.84	3852224.52	10.3165	3.35061	0.3131	0.49213	1.69E+00	2.60E+00	6.07E-02	3.62E-02	4.38E+00	1.66E+00	1.13E-04	6.66E-04	1.06E-03	1.66E+00	2.02E+00	2.60E+00	6.07E-02	3.62E-02	4.71E+00
6017	481667.36	3852156.92	10.115	3.34131	0.3097	0.48364	1.65E+00	2.59E+00	6.01E-02	3.56E-02	4.34E+00	1.63E+00	1.12E-04	6.58E-04	1.04E-03	1.63E+00	1.98E+00	2.59E+00	6.01E-02	3.56E-02	4.67E+00
6018	481600.89	3852089.33	9.88727	3.33647	0.3073	0.47308	1.62E+00	2.59E+00	5.96E-02	3.48E-02	4.30E+00	1.59E+00	1.12E-04	6.53E-04	1.02E-03	1.59E+00	1.93E+00	2.59E+00	5.96E-02	3.48E-02	4.62E+00
6019	481534.41	3852021.74	9.66186	3.33121	0.3052	0.45824	1.58E+00	2.58E+00	5.92E-02	3.37E-02	4.26E+00	1.56E+00	1.12E-04	6.49E-04	9.86E-04	1.56E+00	1.89E+00	2.58E+00	5.92E-02	3.37E-02	4.57E+00
6020	481467.94	3851954.15	9.44984	3.34196	0.3029	0.45119	1.55E+00	2.59E+00	5.87E-02	3.32E-02	4.23E+00	1.52E+00	1.12E-04	6.44E-04	9.71E-04	1.52E+00	1.85E+00	2.59E+00	5.87E-02	3.32E-02	4.53E+00
6021	481401.46	3851886.55	9.25463	3.29423	0.3003	0.44592	1.51E+00	2.56E+00	5.82E-02	3.28E-02	4.16E+00	1.49E+00	1.11E-04	6.39E-04	9.60E-04	1.49E+00	1.81E+00	2.56E+00	5.82E-02	3.28E-02	4.46E+00
6022	481265.87	3851761.43	8.80387	3.36127	0.2956	0.44083	1.44E+00	2.61E+00	5.73E-02	3.25E-02	4.14E+00	1.42E+00	1.13E-04	6.28E-04	9.49E-04	1.42E+00	1.72E+00	2.61E+00	5.73E-02	3.25E-02	4.42E+00
6023	481196.74	3851703.89	8.56039	3.36021	0.2928	0.43928	1.40E+00	2.61E+00	5.68E-02	3.23E-02	4.10E+00	1.38E+00	1.13E-04	6.22E-04	9.46E-04	1.38E+00	1.68E+00	2.61E+00	5.68E-02	3.23E-02	4.37E+00
6024	481076.33	3851619.04	8.16347	3.36376	0.2879	0.43414	1.34E+00	2.61E+00	5.58E-02	3.20E-02	4.03E+00	1.32E+00	1.13E-04	6.12E-04	9.35E-04	1.32E+00	1.60E+00	2.61E+00	5.58E-02	3.20E-02	4.29E+00
6025	480939.8	3851549.07	7.97624	3.40504	0.282	0.41455	1.30E+00	2.64E+00	5.47E-02	3.05E-02	4.03E+00	1.29E+00	1.14E-04	6.00E-04	8.92E-04	1.29E+00	1.56E+00	2.64E+00	5.47E-02	3.05E-02	4.29E+00
6026	480854.56	3851506.41	7.45097	3.37185	0.2812	0.4081	1.22E+00	2.62E+00	5.45E-02	3.00E-02	3.92E+00	1.20E+00	1.13E-04	5.98E-04	8.79E-04	1.20E+00	1.46E+00	2.62E+00	5.45E-02	3.00E-02	4.16E+00
6027	480769.32	3851463.75	7.16784	3.34361	0.2804	0.40922	1.17E+00	2.59E+00	5.44E-02	3.01E-02	3.85E+00	1.15E+00	1.12E-04	5.96E-04	8.81E-04	1.16E+00	1.40E+00	2.59E+00	5.44E-02	3.01E-02	4.08E+00
6028	480684.08	3851421.08	6.84045	3.30051	0.279	0.40607	1.12E+00	2.56E+00	5.41E-02	2.99E-02	3.76E+00	1.10E+00	1.11E-04	5.93E-04	8.74E-04	1.10E+00	1.34E+00	2.56E+00	5.41E-02	2.99E-02	3.98E+00
6029	480598.84	3851378.42	6.51889	3.34877	0.2769	0.39891	1.07E+00	2.60E+00	5.37E-02	2.94E-02	3.75E+00	1.05E+00	1.12E-04	5.89E-04	8.59E-04	1.05E+00	1.28E+00	2.60E+00	5.37E-02	2.94E-02	3.96E+00
6030	480435.71	3851275.01	5.68951	3.27268	0.2722	0.39074	9.31E-01	2.54E+00	5.28E-02	2.88E-02	3.55E+00	9.17E-01	1.10E-04	5.79E-04	8.41E-04	9.18E-01	1.11E+00	2.54E+00	5.28E-02	2.88E-02	3.73E+00
6031	480347.85	3851232.36	4.97431	3.22968	0.27	0.38355	8.14E-01	2.51E+00	5.23E-02	2.82E-02	3.40E+00	8.02E-01	1.08E-04	5.74E-04	8.26E-04	8.03E-01	9.73E-01	2.51E+00	5.23E-02	2.82E-02	3.56E+00
6032	480260	3851189.72	4.65941	3.28138	0.268	0.37237	7.62E-01	2.55E+00	5.20E-02	2.74E-02	3.39E+00	7.51E-01	1.10E-04	5.70E-04	8.02E-04	7.52E-01	9.12E-01	2.55E+00	5.20E-02	2.74E-02	3.54E+00
6033	480172.15	3851147.07	4.56707	3.357	0.2681	0.3664	7.47E-01	2.60E+00	5.20E-02	2.70E-02	3.43E+00	7.36E-01	1.13E-04	5.70E-04	7.89E-04	7.37E-01	8.94E-01	2.60E+00	5.20E-02	2.70E-02	3.58E+00
6034	480084.29	3851104.42	4.39469	3.30942	0.2671	0.36059	7.19E-01	2.57E+00	5.18E-02	2.65E-02	3.36E+00	7.08E-01	1.11E-04	5.68E-04	7.76E-04	7.10E-01	8.60E-01	2.57E+00	5.18E-02	2.65E-02	3.51E+00
6035	479996.44	3851061.77	4.12303	3.22519	0.2647	0.34827	6.74E-01	2.50E+00	5.13E-02	2.56E-02	3.25E+00	6.64E-01	1.08E-04	5.63E-04	7.50E-04	6.66E-01	8.07E-01	2.50E+00	5.13E-02	2.56E-02	3.39E+00

6036	479908.58	3851019.13	4.09659	3.03567	0.2615	0.34055	6.70E-01	2.35E+00	5.07E-02	2.51E-02	3.10E+00	6.60E-01	1.02E-04	5.56E-04	7.33E-04	6.61E-01	8.02E-01	2.35E+00	5.07E-02	2.51E-02	3.23E+00
6037	479820.73	3850976.48	4.03709	2.92773	0.2593	0.32681	6.60E-01	2.27E+00	5.03E-02	2.41E-02	3.01E+00	6.51E-01	9.83E-05	5.51E-04	7.04E-04	6.52E-01	7.90E-01	2.27E+00	5.03E-02	2.41E-02	3.14E+00
6038	479732.88	3850933.83	3.93326	2.89625	0.2573	0.3136	6.43E-01	2.25E+00	4.99E-02	2.31E-02	2.96E+00	6.34E-01	9.73E-05	5.47E-04	6.75E-04	6.35E-01	7.70E-01	2.25E+00	4.99E-02	2.31E-02	3.09E+00
6039	479645.02	3850891.18	3.92526	2.94821	0.2554	0.30291	6.42E-01	2.29E+00	4.95E-02	2.23E-02	3.00E+00	6.32E-01	9.90E-05	5.43E-04	6.52E-04	6.34E-01	7.68E-01	2.29E+00	4.95E-02	2.23E-02	3.13E+00
6040	479557.17	3850848.54	3.63989	3.00595	0.2537	0.29633	5.95E-01	2.33E+00	4.92E-02	2.18E-02	3.00E+00	5.87E-01	1.01E-04	5.39E-04	6.38E-04	5.88E-01	7.12E-01	2.33E+00	4.92E-02	2.18E-02	3.12E+00
6041	479469.32	3850805.89	3.34592	3.01159	0.2519	0.29005	5.47E-01	2.34E+00	4.89E-02	2.14E-02	2.95E+00	5.39E-01	1.01E-04	5.36E-04	6.24E-04	5.40E-01	6.55E-01	2.34E+00	4.89E-02	2.14E-02	3.06E+00
6042	479381.46	3850763.24	3.22311	3.02576	0.2507	0.28515	5.27E-01	2.35E+00	4.86E-02	2.10E-02	2.94E+00	5.19E-01	1.02E-04	5.33E-04	6.14E-04	5.21E-01	6.31E-01	2.35E+00	4.86E-02	2.10E-02	3.05E+00
6043	479293.61	3850720.59	3.31968	3.0593	0.2498	0.28266	5.43E-01	2.37E+00	4.84E-02	2.08E-02	2.99E+00	5.35E-01	1.03E-04	5.31E-04	6.08E-04	5.36E-01	6.50E-01	2.37E+00	4.84E-02	2.08E-02	3.09E+00
6044	479205.76	3850677.95	3.43307	3.14962	0.2501	0.28046	5.62E-01	2.44E+00	4.85E-02	2.06E-02	3.07E+00	5.53E-01	1.06E-04	5.32E-04	6.04E-04	5.54E-01	6.72E-01	2.44E+00	4.85E-02	2.06E-02	3.18E+00
6045	479117.9	3850635.3	3.45766	3.201	0.2519	0.2826	5.66E-01	2.48E+00	4.88E-02	2.08E-02	3.12E+00	5.57E-01	1.08E-04	5.36E-04	6.08E-04	5.58E-01	6.77E-01	2.48E+00	4.88E-02	2.08E-02	3.23E+00
6046	479030.05	3850592.65	3.4662	3.22703	0.2516	0.28466	5.67E-01	2.50E+00	4.88E-02	2.10E-02	3.14E+00	5.59E-01	1.08E-04	5.35E-04	6.13E-04	5.60E-01	6.78E-01	2.50E+00	4.88E-02	2.10E-02	3.25E+00
6047	478942.19	3850550	3.44155	3.18345	0.249	0.28417	5.63E-01	2.47E+00	4.83E-02	2.09E-02	3.10E+00	5.55E-01	1.07E-04	5.29E-04	6.12E-04	5.56E-01	6.73E-01	2.47E+00	4.83E-02	2.09E-02	3.21E+00
6048	478854.34	3850507.36	3.2549	3.02769	0.2456	0.27961	5.32E-01	2.35E+00	4.76E-02	2.06E-02	2.95E+00	5.24E-01	1.02E-04	5.22E-04	6.02E-04	5.26E-01	6.37E-01	2.35E+00	4.76E-02	2.06E-02	3.05E+00
6049	478766.49	3850464.71	3.15762	2.99074	0.2434	0.27375	5.16E-01	2.32E+00	4.72E-02	2.02E-02	2.90E+00	5.09E-01	1.00E-04	5.18E-04	5.89E-04	5.10E-01	6.18E-01	2.32E+00	4.72E-02	2.02E-02	3.01E+00
6050	478678.63	3850422.06	3.12577	2.92585	0.2407	0.26749	5.11E-01	2.27E+00	4.67E-02	1.97E-02	2.85E+00	5.04E-01	9.83E-05	5.12E-04	5.76E-04	5.05E-01	6.12E-01	2.27E+00	4.67E-02	1.97E-02	2.95E+00
6051	478590.78	3850379.41	3.12743	2.92406	0.2362	0.25945	5.12E-01	2.27E+00	4.58E-02	1.91E-02	2.84E+00	5.04E-01	9.82E-05	5.02E-04	5.59E-04	5.05E-01	6.12E-01	2.27E+00	4.58E-02	1.91E-02	2.95E+00
6052	478502.93	3850336.77	3.09985	2.90964	0.233	0.25274	5.07E-01	2.26E+00	4.52E-02	1.86E-02	2.83E+00	4.99E-01	9.77E-05	4.95E-04	5.44E-04	5.01E-01	6.07E-01	2.26E+00	4.52E-02	1.86E-02	2.93E+00
6053	478415.07	3850294.12	3.12195	2.83011	0.2315	0.24602	5.11E-01	2.20E+00	4.49E-02	1.81E-02	2.77E+00	5.03E-01	9.51E-05	4.92E-04	5.30E-04	5.04E-01	6.11E-01	2.20E+00	4.49E-02	1.81E-02	2.87E+00
6054	478327.22	3850251.47	3.21127	2.78178	0.2297	0.24103	5.25E-01	2.16E+00	4.45E-02	1.77E-02	2.75E+00	5.17E-01	9.34E-05	4.88E-04	5.19E-04	5.19E-01	6.28E-01	2.16E+00	4.45E-02	1.77E-02	2.85E+00
6055	478239.36	3850208.82	3.30735	2.76297	0.2281	0.23746	5.41E-01	2.14E+00	4.42E-02	1.75E-02	2.75E+00	5.33E-01	9.28E-05	4.85E-04	5.11E-04	5.34E-01	6.47E-01	2.14E+00	4.42E-02	1.75E-02	2.85E+00
6056	478151.51	3850166.18	3.3909	2.77376	0.2266	0.23702	5.55E-01	2.15E+00	4.39E-02	1.75E-02	2.77E+00	5.46E-01	9.32E-05	4.82E-04	5.10E-04	5.47E-01	6.64E-01	2.15E+00	4.39E-02	1.75E-02	2.88E+00
6057	478063.66	3850123.53	3.5	2.74588	0.2251	0.23699	5.72E-01	2.13E+00	4.37E-02	1.74E-02	2.76E+00	5.64E-01	9.22E-05	4.79E-04	5.10E-04	5.65E-01	6.85E-01	2.13E+00	4.37E-02	1.74E-02	2.88E+00
6058	477975.8	3850080.88	3.59749	2.91746	0.2247	0.23985	5.88E-01	2.26E+00	4.36E-02	1.77E-02	2.91E+00	5.80E-01	9.80E-05	4.78E-04	5.16E-04	5.81E-01	7.04E-01	2.26E+00	4.36E-02	1.77E-02	3.03E+00
6059	477887.95	3850038.23	3.6214	2.87985	0.2235	0.24263	5.92E-01	2.23E+00	4.33E-02	1.79E-02	2.89E+00	5.84E-01	9.67E-05	4.75E-04	5.22E-04	5.85E-01	7.09E-01	2.23E+00	4.33E-02	1.79E-02	3.00E+00
6060	477800.1	3849995.59	3.57845	2.88461	0.2226	0.24585	5.85E-01	2.24E+00	4.32E-02	1.81E-02	2.88E+00	5.77E-01	9.69E-05	4.73E-04	5.29E-04	5.78E-01	7.00E-01	2.24E+00	4.32E-02	1.81E-02	3.00E+00
6061	477712.24	3849952.94	3.44564	2.86314	0.2212	0.2537	5.64E-01	2.22E+00	4.29E-02	1.87E-02	2.85E+00	5.55E-01	9.62E-05	4.70E-04	5.46E-04	5.56E-01	6.74E-01	2.22E+00	4.29E-02	1.87E-02	2.96E+00
6062	477624.39	3849910.29	3.3671	2.8663	0.2199	0.26082	5.51E-01	2.22E+00	4.26E-02	1.92E-02	2.84E+00	5.43E-01	9.63E-05	4.68E-04	5.61E-04	5.44E-01	6.59E-01	2.22E+00	4.26E-02	1.92E-02	2.94E+00
6063	477536.54	3849867.64	3.2975	2.87823	0.2187	0.26606	5.39E-01	2.23E+00	4.24E-02	1.96E-02	2.83E+00	5.31E-01	9.67E-05	4.65E-04	5.73E-04	5.32E-01	6.45E-01	2.23E+00	4.24E-02	1.96E-02	2.94E+00
6064	477448.68	3849825	3.20398	2.86504	0.2173	0.26871	5.24E-01	2.22E+00	4.21E-02	1.98E-02	2.81E+00	5.16E-01	9.62E-05	4.62E-04	5.78E-04	5.17E-01	6.27E-01	2.22E+00	4.21E-02	1.98E-02	2.91E+00
6065	477360.83	3849782.35	3.07219	2.81534	0.2159	0.26658	5.02E-01	2.18E+00	4.19E-02	1.96E-02	2.75E+00	4.95E-01	9.46E-05	4.59E-04	5.74E-04	4.96E-01	6.01E-01	2.18E+00	4.19E-02	1.96E-02	2.85E+00
6066	477272.97	3849739.7	2.95372	2.78835	0.2146	0.26329	4.83E-01	2.16E+00	4.16E-02	1.94E-02	2.71E+00	4.76E-01	9.37E-05	4.56E-04	5.67E-04	4.77E-01	5.78E-01	2.16E+00	4.16E-02	1.94E-02	2.80E+00
6067	477185.12	3849697.05	2.84961	2.76307	0.2133	0.25992	4.66E-01	2.14E+00	4.14E-02	1.91E-02	2.67E+00	4.59E-01	9.28E-05	4.54E-04	5.60E-04	4.60E-01	5.58E-01	2.14E+00	4.14E-02	1.91E-02	2.76E+00
6068	477097.27	3849654.41	2.83007	2.64118	0.2119	0.25665	4.63E-01	2.05E+00	4.11E-02	1.89E-02	2.57E+00	4.56E-01	8.87E-05	4.50E-04	5.53E-04	4.57E-01	5.54E-01	2.05E+00	4.11E-02	1.89E-02	2.66E+00
6069	477009.41	3849611.76	2.8291	2.63088	0.2101	0.25346	4.63E-01	2.04E+00	4.07E-02	1.87E-02	2.56E+00	4.56E-01	8.84E-05	4.47E-04	5.46E-04	4.57E-01	5.54E-01	2.04E+00	4.07E-02	1.87E-02	2.65E+00
6070	476841.49	3849530.08	2.83508	2.53506	0.2074	0.25074	4.64E-01	1.97E+00	4.02E-02	1.85E-02	2.49E+00	4.57E-01	8.52E-05	4.41E-04	5.40E-04	4.58E-01	5.55E-01	1.97E+00	4.02E-02	1.85E-02	2.58E+00
6071	476761.41	3849491.05	2.78104	2.3879	0.2063	0.25142	4.55E-01	1.85E+00	4.00E-02	1.85E-02	2.37E+00	4.48E-01	8.02E-05	4.39E-04	5.41E-04	4.49E-01	5.44E-01	1.85E+00	4.00E-02	1.85E-02	2.46E+00
6072	476681.34	3849452.02	2.76919	2.1831	0.205	0.2502	4.53E-01	1.69E+00	3.98E-02	1.84E-02	2.20E+00	4.46E-01	7.33E-05	4.36E-04	5.39E-04	4.47E-01	5.42E-01	1.69E+00	3.98E-02	1.84E-02	2.29E+00
6073	476601.26	3849412.99	2.72804	2.05795	0.2036	0.24946	4.46E-01	1.60E+00	3.95E-02	1.84E-02	2.10E+00	4.40E-01	6.91E-05	4.33E-04	5.37E-04	4.41E-01	5.34E-01	1.60E+00	3.95E-02	1.84E-02	2.19E+00
6074	476456.32	3849353.67	2.59845	1.68392	0.201	0.24862	4.25E-01	1.31E+00	3.90E-02	1.83E-02	1.79E+00	4.19E-01	5.66E-05	4.27E-04	5.35E-04	4.20E-01	5.08E-01	1.31E+00	3.90E-02	1.83E-02	1.87E+00
6075	476305.43	3849318.83	2.43517	1.55425	0.1996	0.24756	3.98E-01	1.21E+00	3.87E-02	1.82E-02	1.66E+00	3.92E-01	5.22E-05	4.24E-04	5.33E-04	3.93E-01	4.77E-01	1.21E+00	3.87E-02	1.82E-02	1.74E+00
6076	476129.36	3849289.99	2.47705	1.55911	0.1978	0.25286	4.05E-01	1.21E+00	3.84E-02	1.86E-02	1.67E+00	3.99E-01	5.24E-05	4.21E-04	5.44E-04	4.00E-01	4.85E-01	1.21E+00	3.84E-02	1.86E-02	1.75E+00
6077	476039.31	3849275.68	2.4569	1.47393	0.197	0.25573	4.02E-01	1.14E+00	3.82E-02	1.88E-02	1.60E+00	3.96E-01	4.95E-05	4.19E-04	5.51E-04	3.97E-01	4.81E-01	1.14E+00	3.82E-02	1.88E-02	1.68E+00
6078	475949.26	3849261.38	2.27951	1.47186	0.1955	0.25521	3.73E-01	1.14E+00	3.79E-02	1.88E-02	1.57E+00	3.67E-01	4.94E-05	4.16E-04	5.49E-04	3.68E-01	4.46E-01	1.14E+00	3.79E-02	1.88E-02	1.64E+00
6079	475859.21	3849247.08	2.23803	1.43272	0.1946	0.25665	3.66E-01	1.11E+00	3.77E-02	1.89E-02	1.53E+00	3.61E-01	4.81E-05	4.14E-04	5.53E-04	3.62E-01	4.38E-01	1.11E+00	3.77E-02	1.89E-02	1.61E+00
6080	475769.16	3849232.77	2.24596	1.32664	0.1936	0.25395	3.67E-01	1.03E+00	3.75E-02	1.87E-02	1.45E+00	3.62E-01	4.46E-05	4.12E-04	5.47E-04	3.63E-01	4.39E-01	1.03E+00	3.75E-02	1.87E-02	1.52E+00
6081	475585.22	3849219.27	2.16087	1.17927	0.1895	0.24853	3.53E-01	9.15E-01	3.68E-02	1.83E-02	1.32E+00	3.48E-01	3.96E-05	4.03E-04	5.35E-04	3.49E-01	4.23E-01	9.15E-01	3.68E-02	1.83E-02	1.39E+00
6082	475444.49	3849150.35	2.21235	1.27603	0.1895	0.24149	3.62E-01	9.90E-01	3.67E-02	1.78E-02	1.41E+00	3.56E-01	4.29E-05	4.03E-04	5.20E-04	3.57E-01	4.33E-01	9.90E-01	3.67E-02	1.78E-02	1.48E+00
6083	475334.17	3849118.71	2.18004	1.27221	0.1895	0.23753	3.57E-01	9.87E-01	3.67E-02	1.75E-02	1.40E+00	3.51E-01	4.27E-05	4.03E-04	5.11E-04	3.52E-01	4.27E-01	9.87E-01	3.67E-02	1.75E-02	1.47E+00
6084	475230.47	3849060.56	2.15149	1.25497	0.1885	0.23474	3.52E-01	9.73E-01	3.66E-02	1.73E-02	1.38E+00	3.47E-01	4.22E-05	4.01E-04	5.05E-04	3.48E-01	4.21E-01	9.74E-01	3.66E-02	1.73E-02	1.45E+00
6085	475110.86	3848960.97	2.08102	1.20957	0.1863	0.2321	3.40E-01	9.38E-01	3.61E-02	1.71E-02	1.33E+00	3.35E-01	4.06E-05	3.96E-04	5.00E-04	3.36E-01	4.07E-01	9.38E-01	3.61E-02	1.71E-02	1.40E+00
6086	475037.79	3848896.28	2.05183	1.16219	0.1848	0.23057	3.36E-01	9.02E-01	3.58E-02	1.70E-02	1.29E+00	3.31E-01	3.90E-05	3.93E-04	4.96E-04	3.32E-01	4.02E-01	9.02E-01	3.58E-02	1.70E-02	1.36E+00
6087	474964.72	3848831.59	2.00901	1.11925	0.1834	0.22906	3.29E-01	8.68E-01	3.56E-02	1.69E-02	1.25E+00	3.24E-01	3.76E-05	3.90E-04	4.93E-04	3.25E-01	3.93E-01	8.68E-01	3.56E-02	1.69E-02	1.31E+00
6088	474891.65	3848766.9	1.96512	1.10206	0.1822	0.22758	3.21E-01	8.55E-01	3.53E-02	1.68E-02	1.23E+00	3.17E-01	3.70E-05	3.87E-04	4.90E-04	3.18E-01	3.85E-01	8.55E-01	3.53E-02	1.68E-02	1.29E+00
6089	474818.58	3848702.21	1.95287	1.09798	0.1812	0.22613	3.19E-01	8.52E-01	3.51E-02	1.66E-02	1.22E+00	3.15E-01	3.69E-05	3.85E-04	4.87E-04	3.16E-01	3.82E-01	8.52E-01	3.51E-02	1.66E-02	1.29E+00
6090	474745.51	3848637.53	1.96433	1.14226	0.1805	0.22487	3.21E-01	8.86E-01	3.50E-02	1.66E-02	1.26E+00	3.17E-01	3.84E-05	3.84E-04	4.84E-04	3.17E-01	3.84E-01	8.86E-01	3.50E-02	1.66E-02	1.32E+00
6091	474672.44	3848572.84	1.97531	1.15199	0.1796	0.22376	3.23E-01	8.94E-01	3.48E-02	1.65E-02	1.27E+00	3.18E-01	3.87E-05	3.82E-04	4.82E-04	3.19E-01	3.87E-01	8.94E-01	3.48E-02	1.65E-02	1.33E+00
6092	474599.37	3848508.15	1.94649	1.12138	0.1785	0.2227	3.18E-01	8.70E-01	3.46E-02	1.64E-02	1.24E+00	3.14E-01	3.77E-05	3.80E-04	4.79E-04	3.15E-01	3.81E-01	8.70E-01	3.46E-02	1.64E-02	1.30E+00
6093	474526.3	3848443.46	1.88895	1.1095	0.1776	0.22163	3.09E-01	8.61E-01	3.44E-02	1.63E-02	1.22E+00	3.04E-01	3.73E-05	3.78E-04	4.77E-04	3.05E-01	3.70E-01	8.61E-01	3.44E-02	1.63E-02	1.28E+00
6094	CONCUNIT	ug/m^3					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6095	DEPUNIT	g/m^2					0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			2033 Mitigated					2048 Unmitigated					2048 Mitigated				
			1.93E-01	7.72E-05	2.13E-03	2.15E-03		2.01E-01	7.89E-01	1.94E-01	7.36E-02		2.01E-01	9.04E-05	2.13E-03	2.15E-03	
			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	1.13E+00	6.69E-05	1.67E-03	4.14E-03	1.14E+00	1.18E+00	6.83E-01	1.52E-01	1.42E-01	2.16E+00	1.18E+00	7.82E-05	1.67E-03	4.14E-03	1.18E+00
2	486023.61	3854936.51	1.05E+00	6.47E-05	1.72E-03	4.27E-03	1.06E+00	1.10E+00	6.61E-01	1.57E-01	1.46E-01	2.06E+00	1.10E+00	7.57E-05	1.72E-03	4.27E-03	1.10E+00
3	486073.61	3854936.51	1.02E+00	6.32E-05	1.79E-03	4.34E-03	1.02E+00	1.06E+00	6.46E-01	1.64E-01	1.48E-01	2.02E+00	1.06E+00	7.39E-05	1.79E-03	4.34E-03	1.07E+00
4	486123.61	3854936.51	9.21E-01	5.98E-05	1.94E-03	4.38E-03	9.27E-01	9.60E-01	6.11E-01	1.77E-01	1.50E-01	1.90E+00	9.59E-01	6.99E-05	1.94E-03	4.38E-03	9.65E-01
5	486173.61	3854936.51	9.13E-01	5.88E-05	2.04E-03	4.42E-03	9.19E-01	9.53E-01	6.01E-01	1.86E-01	1.51E-01	1.89E+00	9.51E-01	6.88E-05	2.04E-03	4.42E-03	9.57E-01
6	486223.61	3854936.51	8.56E-01	5.68E-05	2.10E-03	4.47E-03	8.63E-01	8.93E-01	5.80E-01	1.92E-01	1.53E-01	1.82E+00	8.92E-01	6.64E-05	2.10E-03	4.47E-03	8.98E-01
7	486273.61	3854936.51	8.22E-01	5.60E-05	2.17E-03	4.48E-03	8.29E-01	8.58E-01	5.72E-01	1.98E-01	1.53E-01	1.78E+00	8.56E-01	6.55E-05	2.17E-03	4.48E-03	8.63E-01
8	486323.61	3854936.51	7.84E-01	5.52E-05	2.21E-03	4.50E-03	7.91E-01	8.18E-01	5.64E-01	2.01E-01	1.54E-01	1.74E+00	8.16E-01	6.46E-05	2.21E-03	4.50E-03	8.23E-01
9	485973.61	3854986.51	1.22E+00	6.94E-05	1.70E-03	4.36E-03	1.22E+00	1.27E+00	7.09E-01	1.55E-01	1.49E-01	2.28E+00	1.27E+00	8.12E-05	1.70E-03	4.36E-03	1.27E+00
10	486023.61	3854986.51	1.17E+00	6.79E-05	1.70E-03	4.44E-03	1.18E+00	1.22E+00	6.94E-01	1.55E-01	1.52E-01	2.22E+00	1.22E+00	7.94E-05	1.70E-03	4.44E-03	1.22E+00
11	486073.61	3854986.51	1.09E+00	6.60E-05	1.78E-03	4.43E-03	1.09E+00	1.13E+00	6.74E-01	1.62E-01	1.51E-01	2.12E+00	1.13E+00	7.72E-05	1.78E-03	4.43E-03	1.14E+00
12	486123.61	3854986.51	1.03E+00	6.30E-05	1.89E-03	4.51E-03	1.04E+00	1.08E+00	6.43E-01	1.72E-01	1.54E-01	2.05E+00	1.07E+00	7.37E-05	1.89E-03	4.51E-03	1.08E+00
13	486173.61	3854986.51	9.92E-01	6.17E-05	2.02E-03	4.54E-03	9.99E-01	1.04E+00	6.30E-01	1.84E-01	1.55E-01	2.00E+00	1.03E+00	7.21E-05	2.02E-03	4.54E-03	1.04E+00
14	486223.61	3854986.51	9.28E-01	5.93E-05	2.11E-03	4.58E-03	9.34E-01	9.68E-01	6.05E-01	1.92E-01	1.56E-01	1.92E+00	9.66E-01	6.93E-05	2.11E-03	4.58E-03	9.73E-01
15	486273.61	3854986.51	8.60E-01	5.73E-05	2.16E-03	4.65E-03	8.67E-01	8.97E-01	5.86E-01	1.97E-01	1.59E-01	1.84E+00	8.96E-01	6.71E-05	2.16E-03	4.65E-03	9.03E-01
16	486323.61	3854986.51	8.57E-01	5.76E-05	2.24E-03	4.68E-03	8.63E-01	8.94E-01	5.89E-01	2.05E-01	1.60E-01	1.85E+00	8.92E-01	6.74E-05	2.24E-03	4.68E-03	8.99E-01
17	485973.61	3855036.51	1.35E+00	7.33E-05	1.73E-03	4.35E-03	1.36E+00	1.41E+00	7.48E-01	1.58E-01	1.49E-01	2.46E+00	1.40E+00	8.57E-05	1.73E-03	4.35E-03	1.41E+00
18	486023.61	3855036.51	1.27E+00	7.05E-05	1.73E-03	4.44E-03	1.28E+00	1.33E+00	7.20E-01	1.57E-01	1.52E-01	2.36E+00	1.33E+00	8.24E-05	1.73E-03	4.44E-03	1.33E+00
19	486073.61	3855036.51	1.15E+00	6.86E-05	1.76E-03	4.53E-03	1.16E+00	1.20E+00	7.01E-01	1.60E-01	1.55E-01	2.22E+00	1.20E+00	8.03E-05	1.76E-03	4.53E-03	1.21E+00
20	486123.61	3855036.51	1.10E+00	6.57E-05	1.83E-03	4.69E-03	1.10E+00	1.15E+00	6.71E-01	1.67E-01	1.60E-01	2.14E+00	1.14E+00	7.68E-05	1.83E-03	4.69E-03	1.15E+00
21	486173.61	3855036.51	1.06E+00	6.36E-05	2.00E-03	4.93E-03	1.07E+00	1.11E+00	6.50E-01	1.82E-01	1.68E-01	2.11E+00	1.11E+00	7.45E-05	2.00E-03	4.93E-03	1.11E+00
22	486223.61	3855036.51	9.87E-01	6.11E-05	2.08E-03	4.88E-03	9.94E-01	1.03E+00	6.24E-01	1.90E-01	1.67E-01	2.01E+00	1.03E+00	7.15E-05	2.08E-03	4.88E-03	1.03E+00
23	486273.61	3855036.51	9.74E-01	6.03E-05	2.15E-03	5.01E-03	9.81E-01	1.02E+00	6.16E-01	1.97E-01	1.71E-01	2.00E+00	1.01E+00	7.05E-05	2.15E-03	5.01E-03	1.02E+00
24	486323.61	3855036.51	9.15E-01	5.90E-05	2.25E-03	5.21E-03	9.23E-01	9.55E-01	6.03E-01	2.05E-01	1.78E-01	1.94E+00	9.53E-01	6.90E-05	2.25E-03	5.21E-03	9.61E-01
25	485973.61	3855086.51	1.48E+00	7.62E-05	1.77E-03	4.56E-03	1.48E+00	1.54E+00	7.78E-01	1.61E-01	1.56E-01	2.64E+00	1.54E+00	8.91E-05	1.77E-03	4.56E-03	1.54E+00
26	486023.61	3855086.51	1.41E+00	7.46E-05	1.76E-03	4.76E-03	1.42E+00	1.47E+00	7.62E-01	1.60E-01	1.63E-01	2.56E+00	1.47E+00	8.72E-05	1.76E-03	4.76E-03	1.48E+00
27	486073.61	3855086.51	1.29E+00	7.08E-05	1.75E-03	4.84E-03	1.29E+00	1.34E+00	7.23E-01	1.59E-01	1.66E-01	2.39E+00	1.34E+00	8.28E-05	1.75E-03	4.84E-03	1.35E+00
28	486123.61	3855086.51	1.22E+00	6.95E-05	1.83E-03	5.04E-03	1.23E+00	1.27E+00	7.10E-01	1.67E-01	1.72E-01	2.32E+00	1.27E+00	8.13E-05	1.83E-03	5.04E-03	1.28E+00
29	486173.61	3855086.51	1.13E+00	6.62E-05	1.93E-03	5.30E-03	1.14E+00	1.18E+00	6.76E-01	1.76E-01	1.81E-01	2.21E+00	1.18E+00	7.74E-05	1.93E-03	5.30E-03	1.19E+00
30	486223.61	3855086.51	1.08E+00	6.39E-05	2.06E-03	5.49E-03	1.09E+00	1.13E+00	6.53E-01	1.88E-01	1.88E-01	2.16E+00	1.13E+00	7.48E-05	2.06E-03	5.49E-03	1.14E+00
31	485973.61	3855136.51	1.66E+00	8.05E-05	1.80E-03	4.95E-03	1.67E+00	1.73E+00	8.23E-01	1.65E-01	1.69E-01	2.89E+00	1.73E+00	9.42E-05	1.80E-03	4.95E-03	1.74E+00
32	486023.61	3855136.51	1.56E+00	7.84E-05	1.80E-03	5.01E-03	1.57E+00	1.63E+00	8.01E-01	1.64E-01	1.71E-01	2.77E+00	1.63E+00	9.18E-05	1.80E-03	5.01E-03	1.64E+00
33	486073.61	3855136.51	1.45E+00	7.50E-05	1.79E-03	5.19E-03	1.45E+00	1.51E+00	7.66E-01	1.63E-01	1.78E-01	2.62E+00	1.51E+00	8.77E-05	1.79E-03	5.19E-03	1.51E+00
34	486123.61	3855136.51	1.34E+00	7.27E-05	1.80E-03	5.67E-03	1.35E+00	1.40E+00	7.43E-01	1.64E-01	1.94E-01	2.50E+00	1.39E+00	8.51E-05	1.80E-03	5.67E-03	1.40E+00
35	486173.61	3855136.51	1.24E+00	7.01E-05	1.88E-03	5.91E-03	1.24E+00	1.29E+00	7.16E-01	1.71E-01	2.02E-01	2.38E+00	1.29E+00	8.20E-05	1.88E-03	5.91E-03	1.29E+00
36	486223.61	3855136.51	1.17E+00	6.69E-05	2.06E-03	6.05E-03	1.18E+00	1.22E+00	6.84E-01	1.88E-01	2.07E-01	2.30E+00	1.22E+00	7.83E-05	2.06E-03	6.05E-03	1.23E+00
37	485973.61	3855186.51	1.91E+00	8.56E-05	1.84E-03	5.52E-03	1.92E+00	1.99E+00	8.74E-01	1.68E-01	1.89E-01	3.23E+00	1.99E+00	1.00E-04	1.84E-03	5.52E-03	2.00E+00
38	486023.61	3855186.51	1.79E+00	8.20E-05	1.84E-03	5.79E-03	1.80E+00	1.87E+00	8.38E-01	1.68E-01	1.98E-01	3.07E+00	1.87E+00	9.59E-05	1.84E-03	5.79E-03	1.87E+00
39	486073.61	3855186.51	1.63E+00	7.90E-05	1.83E-03	5.83E-03	1.64E+00	1.70E+00	8.07E-01	1.67E-01	2.00E-01	2.88E+00	1.70E+00	9.24E-05	1.83E-03	5.83E-03	1.71E+00
40	486123.61	3855186.51	1.46E+00	7.49E-05	1.82E-03	5.97E-03	1.46E+00	1.52E+00	7.66E-01	1.66E-01	2.04E-01	2.65E+00	1.52E+00	8.77E-05	1.82E-03	5.97E-03	1.52E+00
41	486173.61	3855186.51	1.36E+00	7.25E-05	1.87E-03	6.00E-03	1.36E+00	1.41E+00	7.41E-01	1.71E-01	2.05E-01	2.53E+00	1.41E+00	8.48E-05	1.87E-03	6.00E-03	1.42E+00
42	486223.61	3855186.51	1.28E+00	7.01E-05	1.98E-03	6.03E-03	1.28E+00	1.33E+00	7.17E-01	1.81E-01	2.06E-01	2.43E+00	1.33E+00	8.21E-05	1.98E-03	6.03E-03	1.34E+00
43	486273.61	3855186.51	1.20E+00	6.64E-05	2.13E-03	5.85E-03	1.21E+00	1.25E+00	6.78E-01	1.95E-01	2.00E-01	2.33E+00	1.25E+00	7.77E-05	2.13E-03	5.85E-03	1.26E+00
44	486323.61	3855186.51	1.23E+00	6.66E-05	2.20E-03	5.73E-03	1.24E+00	1.29E+00	6.80E-01	2.01E-01	1.96E-01	2.37E+00	1.29E+00	7.79E-05	2.20E-03	5.73E-03	1.29E+00
45	485973.61	3855236.51	2.14E+00	9.12E-05	1.88E-03	5.71E-03	2.15E+00	2.24E+00	9.32E-01	1.71E-01	1.95E-01	3.54E+00	2.23E+00	1.07E-04	1.88E-03	5.71E-03	2.24E+00
46	486023.61	3855236.51	1.96E+00	8.57E-05	1.87E-03	6.02E-03	1.97E+00	2.04E+00	8.76E-01	1.71E-01	2.06E-01	3.29E+00	2.04E+00	1.00E-04	1.87E-03	6.02E-03	2.05E+00
47	486073.61	3855236.51	1.76E+00	8.08E-05	1.87E-03	6.08E-03	1.76E+00	1.83E+00	8.26E-01	1.70E-01	2.08E-01	3.04E+00	1.83E+00	9.46E-05	1.87E-03	6.08E-03	1.84E+00
48	486123.61	3855236.51	1.62E+00	7.88E-05	1.86E-03	6.25E-03	1.63E+00	1.69E+00	8.05E-01	1.70E-01	2.14E-01	2.88E+00	1.69E+00	9.21E-05	1.86E-03	6.25E-03	1.70E+00
49	486173.61	3855236.51	1.51E+00	7.48E-05	1.85E-03	6.42E-03	1.52E+00	1.58E+00	7.65E-01	1.69E-01	2.20E-01	2.73E+00	1.57E+00	8.75E-05	1.85E-03	6.42E-03	1.58E+00
50	486223.61	3855236.51	1.41E+00	7.26E-05	1.94E-03	6.33E-03	1.42E+00	1.47E+00	7.41E-01	1.77E-01	2.17E-01	2.61E+00	1.47E+00	8.49E-05	1.94E-03	6.33E-03	1.48E+00
51	486273.61	3855236.51	1.25E+00	6.79E-05	2.12E-03	6.06E-03	1.26E+00	1.30E+00	6.93E-01	1.93E-01	2.07E-01	2.40E+00	1.30E+00	7.94E-05	2.12E-03	6.06E-03	1.31E+00
52	486323.61	3855236.51	1.36E+00	6.91E-05	2.18E-03	5.80E-03	1.37E+00	1.42E+00	7.06E-01	1.99E-01	1.98E-01	2.53E+00	1.42E+00	8.08E-05	2.18E-03	5.80E-03	1.43E+00
53	485973.61	3855286.51	2.39E+00	9.47E-05	1.90E-03	6.24E-03	2.40E+00	2.49E+00	9.67E-01	1.73E-01	2.13E-01	3.85E+00	2.49E+00	1.11E-04	1.90E-03	6.24E-03	2.50E+00
54	486023.61	3855286.51	2.14E+00	9.01E-05	1.91E-03	6.25E-03	2.15E+00	2.23E+00	9.21E-01	1.74E-01	2.14E-01	3.54E+00	2.23E+00	1.05E-04	1.91E-03	6.25E-03	2.24E+00
55	486073.61	3855286.51	1.96E+00	8.50E-05	1.91E-03	6.47E-03	1.97E+00	2.04E+00	8.69E-01	1.74E-01	2.21E-01	3.31E+00	2.04E+00	9.95E-05	1.91E-03	6.47E-03	2.05E+00
56	486123.61	3855286.51	1.78E+00	8.15E-05	1.90E-03	6.63E-03	1.79E+00	1.86E+00	8.33E-01	1.74E-01	2.27E-01	3.09E+00	1.86E+00	9.54E-05	1.90E-03	6.63E-03	1.86E+00
57	486173.61	3855286.51	1.63E+00	7.80E-05	1.88E-03	6.63E-03	1.64E+00	1.70E+00	7.97E-01	1.72E-01	2.27E-01	2.90E+00	1.70E+00	9.13E-05	1.88E-03	6.63E-03	1.71E+00

58	486223.61	3855286.51	1.55E+00	7.53E-05	1.92E-03	6.54E-03	1.56E+00	1.62E+00	7.69E-01	1.76E-01	2.24E-01	2.79E+00	1.61E+00	8.81E-05	1.92E-03	6.54E-03	1.62E+00
59	486123.61	3855336.51	1.93E+00	8.52E-05	1.95E-03	6.79E-03	1.94E+00	2.02E+00	8.70E-01	1.77E-01	2.32E-01	3.30E+00	2.01E+00	9.96E-05	1.95E-03	6.79E-03	2.02E+00
60	486173.61	3855336.51	1.81E+00	8.20E-05	1.93E-03	6.76E-03	1.82E+00	1.89E+00	8.38E-01	1.76E-01	2.31E-01	3.14E+00	1.89E+00	9.60E-05	1.93E-03	6.76E-03	1.89E+00
61	486223.61	3855336.51	1.69E+00	7.87E-05	1.93E-03	6.74E-03	1.70E+00	1.77E+00	8.04E-01	1.76E-01	2.31E-01	2.98E+00	1.76E+00	9.20E-05	1.93E-03	6.74E-03	1.77E+00
62	486123.61	3855386.51	2.17E+00	8.90E-05	1.99E-03	6.83E-03	2.18E+00	2.27E+00	9.09E-01	1.81E-01	2.34E-01	3.59E+00	2.26E+00	1.04E-04	1.99E-03	6.83E-03	2.27E+00
63	486173.61	3855386.51	2.02E+00	8.61E-05	1.98E-03	7.08E-03	2.03E+00	2.11E+00	8.79E-01	1.81E-01	2.42E-01	3.41E+00	2.10E+00	1.01E-04	1.98E-03	7.08E-03	2.11E+00
64	486223.61	3855386.51	1.90E+00	8.25E-05	1.96E-03	7.23E-03	1.91E+00	1.98E+00	8.43E-01	1.79E-01	2.47E-01	3.25E+00	1.98E+00	9.65E-05	1.96E-03	7.23E-03	1.99E+00
65	486533.18	3855443.15	1.63E+00	7.44E-05	2.48E-03	6.97E-03	1.64E+00	1.70E+00	7.60E-01	2.26E-01	2.38E-01	2.93E+00	1.70E+00	8.70E-05	2.48E-03	6.97E-03	1.71E+00
66	486583.18	3855443.15	1.55E+00	7.29E-05	2.67E-03	6.99E-03	1.56E+00	1.62E+00	7.45E-01	2.44E-01	2.39E-01	2.85E+00	1.62E+00	8.53E-05	2.67E-03	6.99E-03	1.63E+00
67	486633.18	3855443.15	1.48E+00	7.05E-05	2.82E-03	7.14E-03	1.49E+00	1.55E+00	7.20E-01	2.57E-01	2.44E-01	2.77E+00	1.54E+00	8.25E-05	2.82E-03	7.14E-03	1.55E+00
68	486683.18	3855443.15	1.44E+00	6.98E-05	2.75E-03	7.25E-03	1.45E+00	1.51E+00	7.13E-01	2.51E-01	2.48E-01	2.72E+00	1.50E+00	8.17E-05	2.75E-03	7.25E-03	1.51E+00
69	486533.18	3855493.15	1.77E+00	7.68E-05	2.43E-03	7.34E-03	1.78E+00	1.84E+00	7.85E-01	2.22E-01	2.51E-01	3.10E+00	1.84E+00	8.98E-05	2.43E-03	7.34E-03	1.85E+00
70	486583.18	3855493.15	1.69E+00	7.52E-05	2.60E-03	7.62E-03	1.70E+00	1.76E+00	7.68E-01	2.37E-01	2.60E-01	3.03E+00	1.76E+00	8.80E-05	2.60E-03	7.62E-03	1.77E+00
71	486633.18	3855493.15	1.62E+00	7.35E-05	2.78E-03	7.78E-03	1.63E+00	1.69E+00	7.51E-01	2.54E-01	2.66E-01	2.96E+00	1.68E+00	8.60E-05	2.78E-03	7.78E-03	1.69E+00
72	486683.18	3855493.15	1.55E+00	7.12E-05	2.91E-03	7.84E-03	1.56E+00	1.61E+00	7.28E-01	2.66E-01	2.68E-01	2.87E+00	1.61E+00	8.33E-05	2.91E-03	7.84E-03	1.62E+00
73	486533.18	3855543.15	1.97E+00	7.99E-05	2.45E-03	7.83E-03	1.98E+00	2.06E+00	8.17E-01	2.23E-01	2.68E-01	3.37E+00	2.05E+00	9.35E-05	2.45E-03	7.83E-03	2.06E+00
74	486583.18	3855543.15	1.83E+00	7.73E-05	2.53E-03	7.94E-03	1.84E+00	1.90E+00	7.90E-01	2.30E-01	2.71E-01	3.20E+00	1.90E+00	9.04E-05	2.53E-03	7.94E-03	1.91E+00
75	486633.18	3855543.15	1.76E+00	7.54E-05	2.70E-03	8.02E-03	1.77E+00	1.83E+00	7.70E-01	2.46E-01	2.74E-01	3.12E+00	1.83E+00	8.82E-05	2.70E-03	8.02E-03	1.84E+00
76	486683.18	3855543.15	1.64E+00	7.22E-05	2.91E-03	7.92E-03	1.65E+00	1.71E+00	7.37E-01	2.66E-01	2.71E-01	2.98E+00	1.70E+00	8.44E-05	2.91E-03	7.92E-03	1.71E+00
77	486533.18	3855593.15	2.17E+00	8.27E-05	2.51E-03	8.43E-03	2.18E+00	2.27E+00	8.45E-01	2.29E-01	2.88E-01	3.63E+00	2.26E+00	9.67E-05	2.51E-03	8.43E-03	2.27E+00
78	486583.18	3855593.15	2.04E+00	7.99E-05	2.50E-03	8.28E-03	2.05E+00	2.12E+00	8.16E-01	2.28E-01	2.83E-01	3.45E+00	2.12E+00	9.34E-05	2.50E-03	8.28E-03	2.13E+00
79	486633.18	3855593.15	1.92E+00	7.78E-05	2.62E-03	7.89E-03	1.93E+00	2.00E+00	7.95E-01	2.39E-01	2.70E-01	3.30E+00	2.00E+00	9.10E-05	2.62E-03	7.89E-03	2.01E+00
80	486683.18	3855593.15	1.82E+00	7.51E-05	2.80E-03	7.75E-03	1.84E+00	1.90E+00	7.67E-01	2.56E-01	2.65E-01	3.19E+00	1.90E+00	8.78E-05	2.80E-03	7.75E-03	1.91E+00
81	486533.18	3855643.15	2.37E+00	8.49E-05	2.57E-03	8.49E-03	2.38E+00	2.47E+00	8.68E-01	2.34E-01	2.90E-01	3.86E+00	2.47E+00	9.93E-05	2.57E-03	8.49E-03	2.48E+00
82	486583.18	3855643.15	2.22E+00	8.27E-05	2.56E-03	8.42E-03	2.23E+00	2.32E+00	8.45E-01	2.34E-01	2.88E-01	3.69E+00	2.31E+00	9.68E-05	2.56E-03	8.42E-03	2.32E+00
83	486633.18	3855643.15	2.10E+00	8.03E-05	2.55E-03	8.29E-03	2.11E+00	2.19E+00	8.20E-01	2.33E-01	2.83E-01	3.53E+00	2.19E+00	9.39E-05	2.55E-03	8.29E-03	2.20E+00
84	486683.18	3855643.15	1.98E+00	7.81E-05	2.72E-03	8.26E-03	1.99E+00	2.07E+00	7.97E-01	2.49E-01	2.82E-01	3.39E+00	2.06E+00	9.13E-05	2.72E-03	8.26E-03	2.07E+00
85	486533.18	3855693.15	2.63E+00	8.86E-05	2.59E-03	8.79E-03	2.64E+00	2.74E+00	9.05E-01	2.36E-01	3.01E-01	4.18E+00	2.74E+00	1.04E-04	2.59E-03	8.79E-03	2.75E+00
86	486583.18	3855693.15	2.43E+00	8.49E-05	2.63E-03	8.92E-03	2.44E+00	2.53E+00	8.67E-01	2.40E-01	3.05E-01	3.94E+00	2.53E+00	9.93E-05	2.63E-03	8.92E-03	2.54E+00
87	486633.18	3855693.15	2.24E+00	8.13E-05	2.62E-03	8.73E-03	2.25E+00	2.33E+00	8.31E-01	2.39E-01	2.99E-01	3.70E+00	2.33E+00	9.51E-05	2.62E-03	8.73E-03	2.34E+00
88	486683.18	3855693.15	2.18E+00	8.04E-05	2.67E-03	8.62E-03	2.19E+00	2.27E+00	8.21E-01	2.43E-01	2.95E-01	3.63E+00	2.27E+00	9.41E-05	2.67E-03	8.62E-03	2.28E+00
89	486733.18	3855693.15	2.18E+00	8.18E-05	2.83E-03	8.70E-03	2.19E+00	2.28E+00	8.36E-01	2.58E-01	2.97E-01	3.67E+00	2.27E+00	9.57E-05	2.83E-03	8.70E-03	2.28E+00
90	486783.18	3855693.15	2.20E+00	8.38E-05	3.11E-03	8.85E-03	2.21E+00	2.30E+00	8.56E-01	2.83E-01	3.03E-01	3.74E+00	2.29E+00	9.80E-05	3.11E-03	8.85E-03	2.30E+00
91	486533.18	3855743.15	2.85E+00	9.28E-05	2.50E-03	9.34E-03	2.86E+00	2.97E+00	9.48E-01	2.28E-01	3.20E-01	4.46E+00	2.96E+00	1.09E-04	2.50E-03	9.34E-03	2.98E+00
92	486583.18	3855743.15	2.59E+00	8.63E-05	2.69E-03	9.29E-03	2.60E+00	2.71E+00	8.81E-01	2.46E-01	3.18E-01	4.15E+00	2.70E+00	1.01E-04	2.69E-03	9.29E-03	2.71E+00
93	486633.18	3855743.15	2.43E+00	8.35E-05	2.69E-03	9.36E-03	2.45E+00	2.54E+00	8.53E-01	2.45E-01	3.20E-01	3.96E+00	2.53E+00	9.77E-05	2.69E-03	9.36E-03	2.55E+00
94	486683.18	3855743.15	2.41E+00	8.41E-05	2.68E-03	9.26E-03	2.43E+00	2.52E+00	8.59E-01	2.44E-01	3.17E-01	3.94E+00	2.51E+00	9.84E-05	2.68E-03	9.26E-03	2.53E+00
95	486733.18	3855743.15	2.33E+00	8.39E-05	2.76E-03	9.12E-03	2.34E+00	2.43E+00	8.57E-01	2.52E-01	3.12E-01	3.85E+00	2.43E+00	9.82E-05	2.76E-03	9.12E-03	2.44E+00
96	486783.18	3855743.15	2.40E+00	8.63E-05	3.00E-03	8.93E-03	2.41E+00	2.51E+00	8.82E-01	2.74E-01	3.05E-01	3.97E+00	2.50E+00	1.01E-04	3.00E-03	8.93E-03	2.51E+00
97	486533.18	3855793.15	3.07E+00	9.73E-05	2.45E-03	9.65E-03	3.08E+00	3.20E+00	9.94E-01	2.24E-01	3.30E-01	4.75E+00	3.20E+00	1.14E-04	2.45E-03	9.65E-03	3.21E+00
98	486583.18	3855793.15	2.70E+00	8.72E-05	2.69E-03	9.45E-03	2.71E+00	2.81E+00	8.91E-01	2.45E-01	3.23E-01	4.27E+00	2.81E+00	1.02E-04	2.69E-03	9.45E-03	2.82E+00
99	486633.18	3855793.15	2.69E+00	8.73E-05	2.76E-03	9.45E-03	2.70E+00	2.81E+00	8.92E-01	2.52E-01	3.23E-01	4.27E+00	2.80E+00	1.02E-04	2.76E-03	9.45E-03	2.81E+00
100	486683.18	3855793.15	2.68E+00	8.78E-05	2.76E-03	9.46E-03	2.69E+00	2.80E+00	8.97E-01	2.51E-01	3.24E-01	4.27E+00	2.79E+00	1.03E-04	2.76E-03	9.46E-03	2.80E+00
101	486733.18	3855793.15	2.63E+00	8.87E-05	2.77E-03	9.49E-03	2.64E+00	2.74E+00	9.06E-01	2.53E-01	3.24E-01	4.22E+00	2.74E+00	1.04E-04	2.77E-03	9.49E-03	2.75E+00
102	486783.18	3855793.15	2.59E+00	8.86E-05	2.89E-03	9.33E-03	2.61E+00	2.71E+00	9.05E-01	2.64E-01	3.19E-01	4.19E+00	2.70E+00	1.04E-04	2.89E-03	9.33E-03	2.71E+00
103	486533.18	3855843.15	3.22E+00	9.91E-05	2.37E-03	1.03E-02	3.23E+00	3.36E+00	1.01E+00	2.16E-01	3.54E-01	4.94E+00	3.35E+00	1.16E-04	2.37E-03	1.03E-02	3.36E+00
104	486583.18	3855843.15	2.93E+00	9.12E-05	2.58E-03	1.06E-02	2.94E+00	3.05E+00	9.32E-01	2.36E-01	3.62E-01	4.58E+00	3.05E+00	1.07E-04	2.58E-03	1.06E-02	3.06E+00
105	486633.18	3855843.15	2.90E+00	9.06E-05	2.84E-03	1.05E-02	2.91E+00	3.02E+00	9.25E-01	2.59E-01	3.60E-01	4.57E+00	3.02E+00	1.06E-04	2.84E-03	1.05E-02	3.03E+00
106	486683.18	3855843.15	2.88E+00	9.13E-05	2.83E-03	1.03E-02	2.89E+00	3.00E+00	9.33E-01	2.58E-01	3.52E-01	4.55E+00	3.00E+00	1.07E-04	2.83E-03	1.03E-02	3.01E+00
107	486733.18	3855843.15	2.87E+00	9.24E-05	2.82E-03	9.91E-03	2.88E+00	2.99E+00	9.44E-01	2.58E-01	3.39E-01	4.53E+00	2.98E+00	1.08E-04	2.82E-03	9.91E-03	3.00E+00
108	486783.18	3855843.15	2.81E+00	9.22E-05	2.84E-03	9.80E-03	2.82E+00	2.93E+00	9.42E-01	2.59E-01	3.35E-01	4.47E+00	2.93E+00	1.08E-04	2.84E-03	9.80E-03	2.94E+00
109	486533.18	3855893.15	3.26E+00	9.77E-05	2.44E-03	1.04E-02	3.27E+00	3.40E+00	9.98E-01	2.23E-01	3.57E-01	4.98E+00	3.39E+00	1.14E-04	2.44E-03	1.04E-02	3.41E+00
110	486583.18	3855893.15	3.23E+00	9.68E-05	2.49E-03	1.02E-02	3.25E+00	3.37E+00	9.89E-01	2.27E-01	3.50E-01	4.94E+00	3.37E+00	1.13E-04	2.49E-03	1.02E-02	3.38E+00
111	486633.18	3855893.15	3.18E+00	9.52E-05	2.79E-03	1.00E-02	3.20E+00	3.32E+00	9.73E-01	2.54E-01	3.42E-01	4.89E+00	3.32E+00	1.11E-04	2.79E-03	1.00E-02	3.33E+00
112	486683.18	3855893.15	3.14E+00	9.45E-05	2.91E-03	9.84E-03	3.15E+00	3.27E+00	9.66E-01	2.66E-01	3.37E-01	4.84E+00	3.27E+00	1.11E-04	2.91E-03	9.84E-03	3.28E+00
113	486733.18	3855893.15	3.06E+00	9.50E-05	2.91E-03	9.60E-03	3.07E+00	3.19E+00	9.70E-01	2.65E-01	3.28E-01	4.76E+00	3.19E+00	1.11E-04	2.91E-03	9.60E-03	3.20E+00
114	486783.18	3855893.15	3.07E+00	9.62E-05	2.93E-03	9.32E-03	3.09E+00	3.21E+00	9.83E-01	2.67E-01	3.19E-01	4.77E+00	3.20E+00	1.13E-04	2.93E-03	9.32E-03	3.21E+00
115	486533.18	3855943.15	3.52E+00	1.01E-04	2.51E-03	1.03E-02	3.53E+00	3.67E+00	1.03E+00	2.29E-01	3.54E-01	5.28E+00	3.66E+00	1.18E-04	2.51E-03	1.03E-02	3.68E+00
116	486583.18	3855943.15	3.53E+00	1.02E-04	2.51E-03	1.01E-02	3.54E+00	3.68E+00	1.05E+00	2.29E-01	3.46E-01	5.30E+00	3.67E+00	1.20E-04	2.51E-03	1.01E-02	3.69E+00
117	486633.18	3855943.15	3.42E+00	1.01E-04	2.71E-03	9.88E-03	3.44E+00	3.57E+00	1.04E+00	2.47E-01	3.38E-01	5.19E+00	3.57E+00	1.19E-04	2.71E-03	9.88E-03	3.58E+00
118	486683.18	3855943.15	3.42E+00	1.01E-04	2.96E-03	9.62E-03	3.43E+00	3.57E+00	1.03E+00	2.70E-01	3.29E-01	5.20E+00	3.56E+00	1.18E-04	2.96E-03	9.62E-03	3.57E+00

119	486733.18	3855943.15	3.35E+00	9.95E-05	2.99E-03	9.53E-03	3.36E+00	3.49E+00	1.02E+00	2.73E-01	3.26E-01	5.11E+00	3.49E+00	1.16E-04	2.99E-03	9.53E-03	3.50E+00
120	486783.18	3855943.15	3.31E+00	9.99E-05	2.99E-03	9.41E-03	3.32E+00	3.45E+00	1.02E+00	2.72E-01	3.22E-01	5.07E+00	3.45E+00	1.17E-04	2.99E-03	9.41E-03	3.46E+00
121	486533.18	3855993.15	3.90E+00	1.05E-04	2.57E-03	1.02E-02	3.92E+00	4.07E+00	1.07E+00	2.34E-01	3.49E-01	5.73E+00	4.07E+00	1.23E-04	2.57E-03	1.02E-02	4.08E+00
122	486583.18	3855993.15	3.80E+00	1.05E-04	2.57E-03	9.87E-03	3.81E+00	3.97E+00	1.07E+00	2.35E-01	3.38E-01	5.61E+00	3.96E+00	1.23E-04	2.57E-03	9.87E-03	3.97E+00
123	486633.18	3855993.15	3.72E+00	1.06E-04	2.58E-03	9.67E-03	3.74E+00	3.88E+00	1.08E+00	2.36E-01	3.31E-01	5.53E+00	3.88E+00	1.23E-04	2.58E-03	9.67E-03	3.89E+00
124	486683.18	3855993.15	3.69E+00	1.05E-04	2.89E-03	9.55E-03	3.70E+00	3.85E+00	1.07E+00	2.63E-01	3.27E-01	5.51E+00	3.84E+00	1.23E-04	2.89E-03	9.55E-03	3.85E+00
125	486733.18	3855993.15	3.61E+00	1.04E-04	3.10E-03	9.49E-03	3.62E+00	3.77E+00	1.06E+00	2.83E-01	3.25E-01	5.44E+00	3.76E+00	1.22E-04	3.10E-03	9.49E-03	3.77E+00
126	486783.18	3855993.15	3.54E+00	1.02E-04	3.07E-03	9.32E-03	3.55E+00	3.69E+00	1.04E+00	2.80E-01	3.19E-01	5.34E+00	3.69E+00	1.20E-04	3.07E-03	9.32E-03	3.70E+00
127	486533.18	3856043.15	4.22E+00	1.07E-04	2.62E-03	1.04E-02	4.23E+00	4.40E+00	1.10E+00	2.39E-01	3.56E-01	6.09E+00	4.39E+00	1.26E-04	2.62E-03	1.04E-02	4.40E+00
128	486583.18	3856043.15	4.17E+00	1.09E-04	2.63E-03	1.03E-02	4.18E+00	4.35E+00	1.11E+00	2.40E-01	3.52E-01	6.05E+00	4.34E+00	1.27E-04	2.63E-03	1.03E-02	4.35E+00
129	486633.18	3856043.15	4.03E+00	1.08E-04	2.65E-03	1.01E-02	4.05E+00	4.21E+00	1.10E+00	2.41E-01	3.46E-01	5.90E+00	4.20E+00	1.26E-04	2.65E-03	1.01E-02	4.21E+00
130	486683.18	3856043.15	3.97E+00	1.09E-04	2.76E-03	1.00E-02	3.98E+00	4.14E+00	1.11E+00	2.52E-01	3.43E-01	5.84E+00	4.13E+00	1.27E-04	2.76E-03	1.00E-02	4.15E+00
131	486733.18	3856043.15	3.87E+00	1.07E-04	3.09E-03	9.82E-03	3.88E+00	4.04E+00	1.09E+00	2.81E-01	3.36E-01	5.75E+00	4.03E+00	1.25E-04	3.09E-03	9.82E-03	4.04E+00
132	486783.18	3856043.15	3.84E+00	1.06E-04	3.19E-03	9.63E-03	3.85E+00	4.00E+00	1.09E+00	2.91E-01	3.29E-01	5.71E+00	4.00E+00	1.25E-04	3.19E-03	9.63E-03	4.01E+00
133	486533.18	3856093.15	4.56E+00	1.12E-04	2.69E-03	1.02E-02	4.57E+00	4.76E+00	1.14E+00	2.45E-01	3.48E-01	6.50E+00	4.75E+00	1.31E-04	2.69E-03	1.02E-02	4.76E+00
134	486583.18	3856093.15	4.46E+00	1.12E-04	2.68E-03	1.01E-02	4.47E+00	4.65E+00	1.14E+00	2.45E-01	3.44E-01	6.38E+00	4.64E+00	1.31E-04	2.68E-03	1.01E-02	4.65E+00
135	486633.18	3856093.15	4.35E+00	1.12E-04	2.70E-03	9.85E-03	4.36E+00	4.54E+00	1.14E+00	2.47E-01	3.37E-01	6.27E+00	4.53E+00	1.31E-04	2.70E-03	9.85E-03	4.54E+00
136	486683.18	3856093.15	4.28E+00	1.12E-04	2.74E-03	9.59E-03	4.29E+00	4.46E+00	1.14E+00	2.49E-01	3.28E-01	6.18E+00	4.45E+00	1.31E-04	2.74E-03	9.59E-03	4.47E+00
137	486733.18	3856093.15	4.16E+00	1.11E-04	3.00E-03	9.43E-03	4.18E+00	4.34E+00	1.13E+00	2.74E-01	3.23E-01	6.07E+00	4.33E+00	1.30E-04	3.00E-03	9.43E-03	4.35E+00
138	486783.18	3856093.15	4.09E+00	1.09E-04	3.28E-03	9.25E-03	4.11E+00	4.27E+00	1.12E+00	2.99E-01	3.16E-01	6.00E+00	4.26E+00	1.28E-04	3.28E-03	9.25E-03	4.27E+00
139	486533.18	3856143.15	4.87E+00	1.15E-04	2.76E-03	1.04E-02	4.88E+00	5.08E+00	1.17E+00	2.52E-01	3.55E-01	6.86E+00	5.07E+00	1.34E-04	2.76E-03	1.04E-02	5.09E+00
140	486583.18	3856143.15	4.75E+00	1.14E-04	2.76E-03	1.03E-02	4.76E+00	4.96E+00	1.16E+00	2.52E-01	3.51E-01	6.72E+00	4.95E+00	1.33E-04	2.76E-03	1.03E-02	4.96E+00
141	486633.18	3856143.15	4.65E+00	1.15E-04	2.75E-03	1.00E-02	4.67E+00	4.85E+00	1.17E+00	2.51E-01	3.42E-01	6.62E+00	4.85E+00	1.34E-04	2.75E-03	1.00E-02	4.86E+00
142	486683.18	3856143.15	4.55E+00	1.16E-04	2.79E-03	9.84E-03	4.56E+00	4.75E+00	1.18E+00	2.54E-01	3.36E-01	6.52E+00	4.74E+00	1.35E-04	2.79E-03	9.84E-03	4.75E+00
143	486733.18	3856143.15	4.46E+00	1.15E-04	2.85E-03	9.67E-03	4.47E+00	4.65E+00	1.17E+00	2.60E-01	3.31E-01	6.42E+00	4.64E+00	1.34E-04	2.85E-03	9.67E-03	4.66E+00
144	486783.18	3856143.15	4.40E+00	1.15E-04	3.22E-03	9.43E-03	4.41E+00	4.59E+00	1.17E+00	2.94E-01	3.22E-01	6.38E+00	4.58E+00	1.34E-04	3.22E-03	9.43E-03	4.59E+00
145	486533.18	3856193.15	5.24E+00	1.18E-04	2.72E-03	1.01E-02	5.25E+00	5.47E+00	1.21E+00	2.48E-01	3.46E-01	7.27E+00	5.45E+00	1.38E-04	2.72E-03	1.01E-02	5.47E+00
146	486583.18	3856193.15	5.06E+00	1.18E-04	2.86E-03	1.01E-02	5.08E+00	5.28E+00	1.20E+00	2.61E-01	3.44E-01	7.09E+00	5.27E+00	1.38E-04	2.86E-03	1.01E-02	5.29E+00
147	486633.18	3856193.15	4.93E+00	1.18E-04	2.88E-03	9.93E-03	4.95E+00	5.15E+00	1.21E+00	2.63E-01	3.40E-01	6.96E+00	5.14E+00	1.38E-04	2.88E-03	9.93E-03	5.15E+00
148	486683.18	3856193.15	4.88E+00	1.20E-04	2.84E-03	9.58E-03	4.89E+00	5.09E+00	1.22E+00	2.59E-01	3.28E-01	6.90E+00	5.08E+00	1.40E-04	2.84E-03	9.58E-03	5.09E+00
149	486733.18	3856193.15	4.75E+00	1.19E-04	2.89E-03	9.35E-03	4.76E+00	4.96E+00	1.21E+00	2.63E-01	3.20E-01	6.75E+00	4.95E+00	1.39E-04	2.89E-03	9.35E-03	4.96E+00
150	486783.18	3856193.15	4.69E+00	1.19E-04	3.06E-03	9.10E-03	4.70E+00	4.89E+00	1.21E+00	2.79E-01	3.11E-01	6.69E+00	4.88E+00	1.39E-04	3.06E-03	9.10E-03	4.89E+00
151	486533.18	3856243.15	5.55E+00	1.22E-04	2.85E-03	1.02E-02	5.57E+00	5.80E+00	1.25E+00	2.60E-01	3.49E-01	7.65E+00	5.78E+00	1.43E-04	2.85E-03	1.02E-02	5.80E+00
152	486583.18	3856243.15	5.40E+00	1.21E-04	2.83E-03	1.00E-02	5.41E+00	5.64E+00	1.24E+00	2.59E-01	3.43E-01	7.48E+00	5.62E+00	1.42E-04	2.83E-03	1.00E-02	5.64E+00
153	486633.18	3856243.15	5.28E+00	1.22E-04	2.95E-03	9.91E-03	5.29E+00	5.51E+00	1.25E+00	2.69E-01	3.39E-01	7.36E+00	5.50E+00	1.43E-04	2.95E-03	9.91E-03	5.51E+00
154	486683.18	3856243.15	5.17E+00	1.23E-04	2.98E-03	9.32E-03	5.18E+00	5.39E+00	1.25E+00	2.72E-01	3.19E-01	7.23E+00	5.38E+00	1.43E-04	2.98E-03	9.32E-03	5.39E+00
155	486733.18	3856243.15	5.07E+00	1.23E-04	2.94E-03	9.01E-03	5.08E+00	5.29E+00	1.26E+00	2.68E-01	3.08E-01	7.12E+00	5.28E+00	1.44E-04	2.94E-03	9.01E-03	5.29E+00
156	486783.18	3856243.15	4.95E+00	1.20E-04	3.00E-03	8.84E-03	4.96E+00	5.17E+00	1.23E+00	2.73E-01	3.02E-01	6.97E+00	5.16E+00	1.41E-04	3.00E-03	8.84E-03	5.17E+00
157	486533.18	3856293.15	5.87E+00	1.25E-04	3.01E-03	9.77E-03	5.88E+00	6.12E+00	1.28E+00	2.75E-01	3.34E-01	8.01E+00	6.11E+00	1.46E-04	3.01E-03	9.77E-03	6.13E+00
158	486583.18	3856293.15	5.73E+00	1.25E-04	2.94E-03	9.55E-03	5.74E+00	5.98E+00	1.27E+00	2.68E-01	3.27E-01	7.85E+00	5.97E+00	1.46E-04	2.94E-03	9.55E-03	5.98E+00
159	486633.18	3856293.15	5.58E+00	1.25E-04	2.94E-03	9.34E-03	5.60E+00	5.83E+00	1.28E+00	2.68E-01	3.19E-01	7.70E+00	5.82E+00	1.47E-04	2.94E-03	9.34E-03	5.83E+00
160	486683.18	3856293.15	5.48E+00	1.26E-04	3.03E-03	8.96E-03	5.49E+00	5.72E+00	1.29E+00	2.77E-01	3.06E-01	7.59E+00	5.71E+00	1.47E-04	3.03E-03	8.96E-03	5.72E+00
161	486733.18	3856293.15	5.40E+00	1.27E-04	3.08E-03	8.83E-03	5.41E+00	5.63E+00	1.29E+00	2.81E-01	3.02E-01	7.51E+00	5.62E+00	1.48E-04	3.08E-03	8.83E-03	5.63E+00
162	486783.18	3856293.15	5.25E+00	1.25E-04	3.04E-03	8.74E-03	5.26E+00	5.48E+00	1.27E+00	2.77E-01	2.99E-01	7.32E+00	5.47E+00	1.46E-04	3.04E-03	8.74E-03	5.48E+00
163	486783.18	3856343.15	5.59E+00	1.31E-04	3.18E-03	8.67E-03	5.61E+00	5.84E+00	1.34E+00	2.90E-01	2.97E-01	7.76E+00	5.83E+00	1.53E-04	3.18E-03	8.67E-03	5.84E+00
164	486833.18	3856343.15	5.47E+00	1.31E-04	3.17E-03	8.54E-03	5.49E+00	5.71E+00	1.34E+00	2.89E-01	2.92E-01	7.63E+00	5.70E+00	1.54E-04	3.17E-03	8.54E-03	5.71E+00
165	486883.18	3856343.15	5.35E+00	1.33E-04	3.38E-03	8.41E-03	5.36E+00	5.58E+00	1.36E+00	3.08E-01	2.88E-01	7.54E+00	5.57E+00	1.56E-04	3.38E-03	8.41E-03	5.58E+00
166	486783.18	3856393.15	5.83E+00	1.34E-04	3.41E-03	8.32E-03	5.84E+00	6.09E+00	1.37E+00	3.11E-01	2.84E-01	8.05E+00	6.07E+00	1.57E-04	3.41E-03	8.32E-03	6.09E+00
167	486833.18	3856393.15	5.71E+00	1.35E-04	3.29E-03	8.19E-03	5.72E+00	5.96E+00	1.38E+00	3.00E-01	2.80E-01	7.92E+00	5.95E+00	1.58E-04	3.29E-03	8.19E-03	5.96E+00
168	486883.18	3856393.15	5.58E+00	1.36E-04	3.33E-03	8.08E-03	5.59E+00	5.82E+00	1.39E+00	3.03E-01	2.76E-01	7.80E+00	5.81E+00	1.59E-04	3.33E-03	8.08E-03	5.82E+00
169	487208.74	3856886.11	6.96E+00	2.14E-04	5.57E-03	6.78E-03	6.97E+00	7.26E+00	2.18E+00	5.08E-01	2.32E-01	1.02E+01	7.25E+00	2.50E-04	5.57E-03	6.78E-03	7.26E+00
170	487258.74	3856886.11	6.72E+00	2.19E-04	6.19E-03	6.78E-03	6.73E+00	7.01E+00	2.23E+00	5.65E-01	2.32E-01	1.00E+01	7.00E+00	2.56E-04	6.19E-03	6.78E-03	7.01E+00
171	487308.74	3856886.11	6.50E+00	2.27E-04	6.58E-03	6.76E-03	6.51E+00	6.78E+00	2.32E+00	6.00E-01	2.31E-01	9.93E+00	6.76E+00	2.66E-04	6.58E-03	6.76E-03	6.78E+00
172	487358.74	3856886.11	6.29E+00	2.32E-04	6.56E-03	6.62E-03	6.31E+00	6.57E+00	2.37E+00	5.99E-01	2.26E-01	9.76E+00	6.55E+00	2.71E-04	6.56E-03	6.62E-03	6.57E+00
173	487208.74	3856936.11	7.23E+00	2.18E-04	6.07E-03	6.72E-03	7.25E+00	7.55E+00	2.23E+00	5.53E-01	2.30E-01	1.06E+01	7.53E+00	2.55E-04	6.07E-03	6.72E-03	7.54E+00
174	487258.74	3856936.11	6.96E+00	2.25E-04	6.26E-03	6.73E-03	6.98E+00	7.27E+00	2.30E+00	5.70E-01	2.30E-01	1.04E+01	7.25E+00	2.64E-04	6.26E-03	6.73E-03	7.27E+00
175	487308.74	3856936.11	6.69E+00	2.35E-04	6.65E-03	6.68E-03	6.71E+00	6.98E+00	2.40E+00	6.07E-01	2.29E-01	1.02E+01	6.97E+00	2.75E-04	6.65E-03	6.68E-03	6.98E+00
176	487358.74	3856936.11	6.47E+00	2.40E-04	7.11E-03	6.63E-03	6.48E+00	6.75E+00	2.46E+00	6.48E-01	2.27E-01	1.01E+01	6.73E+00	2.81E-04	7.11E-03	6.63E-03	6.75E+00
177	487208.74	3856986.11	7.50E+00	2.24E-04	6.43E-03	6.76E-03	7.51E+00	7.82E+00	2.28E+00	5.86E-01	2.31E-01	1.09E+01	7.81E+00	2.62E-04	6.43E-03	6.76E-03	7.82E+00
178	487258.74	3856986.11	7.14E+00	2.35E-04	6.54E-03	6.71E-03	7.16E+00	7.45E+00	2.40E+00	5.96E-01	2.30E-01	1.07E+01	7.44E+00	2.75E-04	6.54E-03	6.71E-03	7.45E+00
179	487308.74	3856986.11	6.89E+00	2.40E-04	6.85E-03	6.65E-03	6.91E+00	7.19E+00	2.45E+00	6.24E-01	2.27E-01	1.05E+01	7.18E+00	2.81E-04	6.85E-03	6.65E-03	7.19E+00

180	487358.74	3856986.11	6.64E+00	2.47E-04	7.45E-03	6.56E-03	6.65E+00	6.93E+00	2.52E+00	6.79E-01	2.24E-01	1.04E+01	6.91E+00	2.89E-04	7.45E-03	6.56E-03	6.93E+00
181	487208.74	3857036.11	7.80E+00	2.30E-04	6.82E-03	6.85E-03	7.82E+00	8.14E+00	2.35E+00	6.22E-01	2.34E-01	1.13E+01	8.12E+00	2.69E-04	6.82E-03	6.85E-03	8.14E+00
182	487258.74	3857036.11	7.33E+00	2.40E-04	6.98E-03	6.84E-03	7.34E+00	7.65E+00	2.45E+00	6.37E-01	2.34E-01	1.10E+01	7.63E+00	2.81E-04	6.98E-03	6.84E-03	7.65E+00
183	487308.74	3857036.11	6.99E+00	2.48E-04	7.24E-03	6.75E-03	7.00E+00	7.29E+00	2.53E+00	6.61E-01	2.31E-01	1.07E+01	7.28E+00	2.90E-04	7.24E-03	6.75E-03	7.29E+00
184	487358.74	3857036.11	6.73E+00	2.56E-04	7.38E-03	6.69E-03	6.74E+00	7.02E+00	2.61E+00	6.73E-01	2.29E-01	1.05E+01	7.01E+00	2.99E-04	7.38E-03	6.69E-03	7.02E+00
185	487427.14	3856878.23	6.00E+00	2.40E-04	6.80E-03	6.62E-03	6.02E+00	6.27E+00	2.45E+00	6.20E-01	2.26E-01	9.56E+00	6.25E+00	2.81E-04	6.80E-03	6.62E-03	6.27E+00
186	487477.14	3856878.23	5.84E+00	2.44E-04	7.14E-03	6.56E-03	5.85E+00	6.09E+00	2.50E+00	6.51E-01	2.24E-01	9.47E+00	6.08E+00	2.86E-04	7.14E-03	6.56E-03	6.10E+00
187	487527.14	3856878.23	5.66E+00	2.46E-04	7.52E-03	6.45E-03	5.67E+00	5.90E+00	2.51E+00	6.85E-01	2.21E-01	9.32E+00	5.89E+00	2.88E-04	7.52E-03	6.45E-03	5.91E+00
188	487427.14	3856928.23	6.16E+00	2.48E-04	7.16E-03	6.60E-03	6.18E+00	6.43E+00	2.53E+00	6.53E-01	2.26E-01	9.84E+00	6.42E+00	2.90E-04	7.16E-03	6.60E-03	6.43E+00
189	487477.14	3856928.23	5.99E+00	2.52E-04	7.40E-03	6.56E-03	6.01E+00	6.25E+00	2.57E+00	6.75E-01	2.24E-01	9.73E+00	6.24E+00	2.95E-04	7.40E-03	6.56E-03	6.25E+00
190	487527.14	3856928.23	5.81E+00	2.57E-04	8.01E-03	6.51E-03	5.83E+00	6.07E+00	2.63E+00	7.30E-01	2.23E-01	9.65E+00	6.05E+00	3.01E-04	8.01E-03	6.51E-03	6.07E+00
191	487577.14	3856928.23	5.64E+00	2.60E-04	7.87E-03	6.47E-03	5.66E+00	5.89E+00	2.65E+00	7.18E-01	2.21E-01	9.48E+00	5.88E+00	3.04E-04	7.87E-03	6.47E-03	5.89E+00
192	487627.14	3856928.23	5.49E+00	2.61E-04	7.17E-03	6.46E-03	5.51E+00	5.73E+00	2.67E+00	6.54E-01	2.21E-01	9.27E+00	5.72E+00	3.06E-04	7.17E-03	6.46E-03	5.73E+00
193	487677.14	3856928.23	5.33E+00	2.68E-04	7.15E-03	6.37E-03	5.34E+00	5.56E+00	2.74E+00	6.52E-01	2.18E-01	9.17E+00	5.55E+00	3.14E-04	7.15E-03	6.37E-03	5.57E+00
194	487727.14	3856928.23	5.19E+00	2.75E-04	8.26E-03	6.34E-03	5.20E+00	5.41E+00	2.81E+00	7.53E-01	2.17E-01	9.20E+00	5.40E+00	3.22E-04	8.26E-03	6.34E-03	5.42E+00
195	487777.14	3856928.23	5.07E+00	2.82E-04	1.01E-02	6.34E-03	5.08E+00	5.29E+00	2.88E+00	9.20E-01	2.17E-01	9.31E+00	5.28E+00	3.30E-04	1.01E-02	6.34E-03	5.29E+00
196	487427.14	3856978.23	6.31E+00	2.55E-04	7.28E-03	6.47E-03	6.33E+00	6.59E+00	2.60E+00	6.64E-01	2.21E-01	1.01E+01	6.57E+00	2.98E-04	7.28E-03	6.47E-03	6.59E+00
197	487477.14	3856978.23	6.11E+00	2.61E-04	7.89E-03	6.55E-03	6.12E+00	6.38E+00	2.66E+00	7.19E-01	2.24E-01	9.98E+00	6.36E+00	3.05E-04	7.89E-03	6.55E-03	6.38E+00
198	487527.14	3856978.23	5.92E+00	2.66E-04	8.40E-03	6.54E-03	5.93E+00	6.18E+00	2.72E+00	7.66E-01	2.24E-01	9.89E+00	6.16E+00	3.11E-04	8.40E-03	6.54E-03	6.18E+00
199	487577.14	3856978.23	5.74E+00	2.71E-04	8.63E-03	6.43E-03	5.76E+00	5.99E+00	2.77E+00	7.87E-01	2.20E-01	9.77E+00	5.98E+00	3.17E-04	8.63E-03	6.43E-03	5.99E+00
200	487627.14	3856978.23	5.59E+00	2.74E-04	8.19E-03	6.49E-03	5.60E+00	5.83E+00	2.80E+00	7.47E-01	2.22E-01	9.59E+00	5.82E+00	3.20E-04	8.19E-03	6.49E-03	5.83E+00
201	487677.14	3856978.23	5.43E+00	2.80E-04	7.39E-03	6.51E-03	5.44E+00	5.67E+00	2.86E+00	6.74E-01	2.23E-01	9.42E+00	5.65E+00	3.28E-04	7.39E-03	6.51E-03	5.67E+00
202	487727.14	3856978.23	5.32E+00	2.79E-04	9.05E-03	6.51E-03	5.33E+00	5.55E+00	2.85E+00	8.25E-01	2.23E-01	9.45E+00	5.54E+00	3.26E-04	9.05E-03	6.51E-03	5.55E+00
203	487777.14	3856978.23	5.16E+00	2.93E-04	1.01E-02	6.39E-03	5.18E+00	5.39E+00	3.00E+00	9.25E-01	2.18E-01	9.53E+00	5.38E+00	3.43E-04	1.01E-02	6.39E-03	5.39E+00
204	487427.14	3857028.23	6.39E+00	2.64E-04	8.08E-03	6.51E-03	6.41E+00	6.67E+00	2.70E+00	7.37E-01	2.23E-01	1.03E+01	6.66E+00	3.09E-04	8.08E-03	6.51E-03	6.67E+00
205	487477.14	3857028.23	6.19E+00	2.69E-04	8.06E-03	6.40E-03	6.21E+00	6.46E+00	2.74E+00	7.35E-01	2.19E-01	1.02E+01	6.45E+00	3.14E-04	8.06E-03	6.40E-03	6.47E+00
206	487527.14	3857028.23	6.02E+00	2.73E-04	8.75E-03	6.45E-03	6.03E+00	6.28E+00	2.79E+00	7.98E-01	2.21E-01	1.01E+01	6.26E+00	3.20E-04	8.75E-03	6.45E-03	6.28E+00
207	487577.14	3857028.23	5.84E+00	2.78E-04	9.32E-03	6.42E-03	5.86E+00	6.10E+00	2.84E+00	8.50E-01	2.19E-01	1.00E+01	6.09E+00	3.25E-04	9.32E-03	6.42E-03	6.10E+00
208	487627.14	3857028.23	5.70E+00	2.80E-04	9.16E-03	6.50E-03	5.72E+00	5.95E+00	2.86E+00	8.35E-01	2.22E-01	9.86E+00	5.94E+00	3.28E-04	9.16E-03	6.50E-03	5.95E+00
209	487677.14	3857028.23	5.55E+00	2.85E-04	8.05E-03	6.48E-03	5.56E+00	5.79E+00	2.91E+00	7.34E-01	2.22E-01	9.66E+00	5.78E+00	3.34E-04	8.05E-03	6.48E-03	5.79E+00
210	487727.14	3857028.23	5.40E+00	2.93E-04	8.98E-03	6.47E-03	5.41E+00	5.63E+00	2.99E+00	8.19E-01	2.21E-01	9.66E+00	5.62E+00	3.43E-04	8.98E-03	6.47E-03	5.64E+00
211	487777.14	3857028.23	5.26E+00	2.98E-04	1.04E-02	6.47E-03	5.28E+00	5.49E+00	3.04E+00	9.47E-01	2.21E-01	9.70E+00	5.48E+00	3.49E-04	1.04E-02	6.47E-03	5.50E+00
212	487427.14	3857078.23	6.55E+00	2.69E-04	8.61E-03	6.57E-03	6.57E+00	6.84E+00	2.75E+00	7.86E-01	2.25E-01	1.06E+01	6.82E+00	3.15E-04	8.61E-03	6.57E-03	6.84E+00
213	487477.14	3857078.23	6.35E+00	2.72E-04	8.43E-03	6.54E-03	6.37E+00	6.63E+00	2.78E+00	7.69E-01	2.24E-01	1.04E+01	6.62E+00	3.19E-04	8.43E-03	6.54E-03	6.63E+00
214	487527.14	3857078.23	6.16E+00	2.78E-04	9.28E-03	6.47E-03	6.17E+00	6.43E+00	2.84E+00	8.46E-01	2.21E-01	1.03E+01	6.41E+00	3.25E-04	9.28E-03	6.47E-03	6.43E+00
215	487577.14	3857078.23	5.98E+00	2.82E-04	9.89E-03	6.33E-03	6.00E+00	6.24E+00	2.88E+00	9.02E-01	2.16E-01	1.02E+01	6.23E+00	3.30E-04	9.89E-03	6.33E-03	6.25E+00
216	487627.14	3857078.23	5.82E+00	2.89E-04	1.02E-02	6.29E-03	5.84E+00	6.07E+00	2.95E+00	9.30E-01	2.15E-01	1.02E+01	6.06E+00	3.38E-04	1.02E-02	6.29E-03	6.08E+00
217	487677.14	3857078.23	5.66E+00	2.96E-04	9.05E-03	6.29E-03	5.67E+00	5.90E+00	3.02E+00	8.25E-01	2.15E-01	9.96E+00	5.89E+00	3.46E-04	9.05E-03	6.29E-03	5.91E+00
218	487727.14	3857078.23	5.50E+00	3.00E-04	9.07E-03	6.33E-03	5.52E+00	5.74E+00	3.06E+00	8.28E-01	2.16E-01	9.85E+00	5.73E+00	3.51E-04	9.07E-03	6.33E-03	5.75E+00
219	487777.14	3857078.23	5.36E+00	3.03E-04	1.06E-02	6.38E-03	5.38E+00	5.59E+00	3.09E+00	9.70E-01	2.18E-01	9.87E+00	5.58E+00	3.54E-04	1.06E-02	6.38E-03	5.60E+00
220	487427.14	3857128.23	6.66E+00	2.70E-04	8.65E-03	6.25E-03	6.67E+00	6.94E+00	2.75E+00	7.89E-01	2.14E-01	1.07E+01	6.93E+00	3.15E-04	8.65E-03	6.25E-03	6.95E+00
221	487477.14	3857128.23	6.47E+00	2.76E-04	9.53E-03	6.28E-03	6.49E+00	6.76E+00	2.82E+00	8.69E-01	2.15E-01	1.07E+01	6.74E+00	3.23E-04	9.53E-03	6.28E-03	6.76E+00
222	487527.14	3857128.23	6.29E+00	2.80E-04	9.19E-03	6.32E-03	6.31E+00	6.57E+00	2.86E+00	8.38E-01	2.16E-01	1.05E+01	6.55E+00	3.28E-04	9.19E-03	6.32E-03	6.57E+00
223	487577.14	3857128.23	6.10E+00	2.86E-04	1.04E-02	6.33E-03	6.12E+00	6.37E+00	2.92E+00	9.53E-01	2.17E-01	1.05E+01	6.35E+00	3.35E-04	1.04E-02	6.33E-03	6.37E+00
224	487627.14	3857128.23	5.93E+00	2.94E-04	1.11E-02	6.42E-03	5.95E+00	6.19E+00	3.00E+00	1.02E+00	2.20E-01	1.04E+01	6.17E+00	3.44E-04	1.11E-02	6.42E-03	6.19E+00
225	487677.14	3857128.23	5.78E+00	3.00E-04	1.03E-02	6.41E-03	5.80E+00	6.03E+00	3.07E+00	9.40E-01	2.19E-01	1.03E+01	6.02E+00	3.51E-04	1.03E-02	6.41E-03	6.04E+00
226	487727.14	3857128.23	5.63E+00	3.05E-04	9.86E-03	6.38E-03	5.65E+00	5.87E+00	3.11E+00	9.00E-01	2.18E-01	1.01E+01	5.86E+00	3.56E-04	9.86E-03	6.38E-03	5.88E+00
227	487777.14	3857128.23	5.49E+00	3.09E-04	1.13E-02	6.40E-03	5.51E+00	5.73E+00	3.15E+00	1.03E+00	2.19E-01	1.01E+01	5.72E+00	3.61E-04	1.13E-02	6.40E-03	5.73E+00
228	488049.44	3856539.39	3.60E+00	2.17E-04	7.55E-03	6.25E-03	3.62E+00	3.76E+00	2.22E+00	6.89E-01	2.14E-01	6.88E+00	3.75E+00	2.54E-04	7.55E-03	6.25E-03	3.76E+00
229	488099.44	3856539.39	3.53E+00	2.12E-04	7.77E-03	6.18E-03	3.54E+00	3.68E+00	2.16E+00	7.09E-01	2.11E-01	6.76E+00	3.67E+00	2.48E-04	7.77E-03	6.18E-03	3.69E+00
230	488149.44	3856539.39	3.46E+00	2.07E-04	7.19E-03	6.12E-03	3.47E+00	3.61E+00	2.12E+00	6.56E-01	2.09E-01	6.59E+00	3.60E+00	2.42E-04	7.19E-03	6.12E-03	3.61E+00
231	488049.44	3856589.39	3.69E+00	2.26E-04	8.02E-03	6.27E-03	3.71E+00	3.85E+00	2.31E+00	7.31E-01	2.14E-01	7.11E+00	3.84E+00	2.64E-04	8.02E-03	6.27E-03	3.86E+00
232	488099.44	3856589.39	3.61E+00	2.22E-04	8.19E-03	6.02E-03	3.63E+00	3.77E+00	2.27E+00	7.47E-01	2.06E-01	6.99E+00	3.76E+00	2.60E-04	8.19E-03	6.02E-03	3.78E+00
233	488149.44	3856589.39	3.53E+00	2.16E-04	7.56E-03	5.96E-03	3.54E+00	3.68E+00	2.20E+00	6.90E-01	2.04E-01	6.78E+00	3.67E+00	2.52E-04	7.56E-03	5.96E-03	3.69E+00
234	488199.44	3856589.39	3.45E+00	2.14E-04	7.63E-03	5.93E-03	3.47E+00	3.60E+00	2.19E+00	6.96E-01	2.03E-01	6.69E+00	3.60E+00	2.51E-04	7.63E-03	5.93E-03	3.61E+00
235	488249.44	3856589.39	3.38E+00	2.20E-04	7.49E-03	5.88E-03	3.40E+00	3.53E+00	2.25E+00	6.83E-01	2.01E-01	6.66E+00	3.52E+00	2.57E-04	7.49E-03	5.88E-03	3.54E+00
236	488049.44	3856639.39	3.80E+00	2.35E-04	8.63E-03	6.25E-03	3.81E+00	3.96E+00	2.41E+00	7.87E-01	2.14E-01	7.37E+00	3.95E+00	2.75E-04	8.63E-03	6.25E-03	3.97E+00
237	488099.44	3856639.39	3.71E+00	2.32E-04	8.62E-03	6.17E-03	3.73E+00	3.87E+00	2.37E+00	7.86E-01	2.11E-01	7.24E+00	3.87E+00	2.71E-04	8.62E-03	6.17E-03	3.88E+00
238	488149.44	3856639.39	3.63E+00	2.26E-04	7.97E-03	6.11E-03	3.65E+00	3.79E+00	2.31E+00	7.27E-01	2.09E-01	7.04E+00	3.78E+00	2.65E-04	7.97E-03	6.11E-03	3.80E+00
239	488199.44	3856639.39	3.56E+00	2.27E-04	8.00E-03	6.06E-03	3.57E+00	3.71E+00	2.32E+00	7.29E-01	2.07E-01	6.96E+00	3.70E+00	2.65E-04	8.00E-03	6.06E-03	3.72E+00
240	488249.44	3856639.39	3.48E+00	2.29E-04	7.99E-03	5.99E-03	3.49E+00	3.63E+00	2.34E+00	7.29E-01	2.05E-01	6.90E+00	3.62E+00	2.68E-04	7.99E-03	5.99E-03	3.64E+00

241	488299.44	3856639.39	3.40E+00	2.31E-04	8.66E-03	6.01E-03	3.42E+00	3.55E+00	2.36E+00	7.89E-01	2.05E-01	6.91E+00	3.54E+00	2.70E-04	8.66E-03	6.01E-03	3.56E+00
242	488349.44	3856639.39	3.33E+00	2.30E-04	9.41E-03	5.98E-03	3.35E+00	3.48E+00	2.35E+00	8.58E-01	2.04E-01	6.89E+00	3.47E+00	2.69E-04	9.41E-03	5.98E-03	3.49E+00
243	488399.44	3856639.39	3.26E+00	2.33E-04	9.34E-03	5.95E-03	3.28E+00	3.41E+00	2.38E+00	8.51E-01	2.04E-01	6.84E+00	3.40E+00	2.72E-04	9.34E-03	5.95E-03	3.42E+00
244	488099.44	3856689.39	3.81E+00	2.41E-04	9.14E-03	6.20E-03	3.83E+00	3.98E+00	2.46E+00	8.33E-01	2.12E-01	7.49E+00	3.97E+00	2.82E-04	9.14E-03	6.20E-03	3.99E+00
245	488149.44	3856689.39	3.73E+00	2.37E-04	8.40E-03	6.24E-03	3.74E+00	3.89E+00	2.42E+00	7.66E-01	2.14E-01	7.29E+00	3.88E+00	2.77E-04	8.40E-03	6.24E-03	3.90E+00
246	488199.44	3856689.39	3.65E+00	2.36E-04	8.37E-03	6.17E-03	3.66E+00	3.80E+00	2.41E+00	7.63E-01	2.11E-01	7.19E+00	3.80E+00	2.76E-04	8.37E-03	6.17E-03	3.81E+00
247	488249.44	3856689.39	3.57E+00	2.37E-04	8.54E-03	6.11E-03	3.58E+00	3.72E+00	2.42E+00	7.79E-01	2.09E-01	7.13E+00	3.72E+00	2.77E-04	8.54E-03	6.11E-03	3.73E+00
248	488299.44	3856689.39	3.49E+00	2.41E-04	9.18E-03	6.09E-03	3.51E+00	3.65E+00	2.47E+00	8.37E-01	2.08E-01	7.16E+00	3.64E+00	2.83E-04	9.18E-03	6.09E-03	3.65E+00
249	488349.44	3856689.39	3.41E+00	2.41E-04	9.59E-03	6.07E-03	3.43E+00	3.56E+00	2.46E+00	8.74E-01	2.08E-01	7.10E+00	3.56E+00	2.82E-04	9.59E-03	6.07E-03	3.57E+00
250	488399.44	3856689.39	3.34E+00	2.38E-04	9.89E-03	6.10E-03	3.36E+00	3.49E+00	2.43E+00	9.02E-01	2.09E-01	7.03E+00	3.48E+00	2.78E-04	9.89E-03	6.10E-03	3.50E+00
251	488099.44	3856739.39	3.91E+00	2.52E-04	9.61E-03	6.45E-03	3.93E+00	4.08E+00	2.58E+00	8.76E-01	2.21E-01	7.75E+00	4.07E+00	2.95E-04	9.61E-03	6.45E-03	4.09E+00
252	488149.44	3856739.39	3.83E+00	2.48E-04	8.76E-03	6.33E-03	3.85E+00	4.00E+00	2.54E+00	7.99E-01	2.16E-01	7.55E+00	3.99E+00	2.90E-04	8.76E-03	6.33E-03	4.00E+00
253	488199.44	3856739.39	3.74E+00	2.48E-04	8.90E-03	6.30E-03	3.76E+00	3.91E+00	2.53E+00	8.12E-01	2.15E-01	7.46E+00	3.90E+00	2.90E-04	8.90E-03	6.30E-03	3.91E+00
254	488249.44	3856739.39	3.66E+00	2.46E-04	9.25E-03	6.35E-03	3.68E+00	3.82E+00	2.51E+00	8.44E-01	2.17E-01	7.39E+00	3.81E+00	2.88E-04	9.25E-03	6.35E-03	3.83E+00
255	488299.44	3856739.39	3.58E+00	2.44E-04	9.71E-03	6.33E-03	3.60E+00	3.74E+00	2.50E+00	8.85E-01	2.17E-01	7.34E+00	3.73E+00	2.86E-04	9.71E-03	6.33E-03	3.75E+00
256	488349.44	3856739.39	3.50E+00	2.48E-04	9.89E-03	6.32E-03	3.52E+00	3.65E+00	2.53E+00	9.02E-01	2.16E-01	7.31E+00	3.65E+00	2.90E-04	9.89E-03	6.32E-03	3.66E+00
257	488399.44	3856739.39	3.42E+00	2.53E-04	1.05E-02	6.32E-03	3.44E+00	3.57E+00	2.58E+00	9.59E-01	2.16E-01	7.33E+00	3.56E+00	2.96E-04	1.05E-02	6.32E-03	3.58E+00
258	487999.44	3856789.39	4.20E+00	2.63E-04	1.06E-02	6.44E-03	4.22E+00	4.38E+00	2.69E+00	9.64E-01	2.20E-01	8.26E+00	4.37E+00	3.08E-04	1.06E-02	6.44E-03	4.39E+00
259	488049.44	3856789.39	4.10E+00	2.63E-04	9.96E-03	6.44E-03	4.12E+00	4.28E+00	2.68E+00	9.09E-01	2.20E-01	8.09E+00	4.27E+00	3.07E-04	9.96E-03	6.44E-03	4.29E+00
260	488099.44	3856789.39	4.00E+00	2.62E-04	9.91E-03	6.43E-03	4.02E+00	4.17E+00	2.68E+00	9.04E-01	2.20E-01	7.98E+00	4.17E+00	3.07E-04	9.91E-03	6.43E-03	4.18E+00
261	488149.44	3856789.39	3.91E+00	2.61E-04	9.11E-03	6.29E-03	3.93E+00	4.08E+00	2.66E+00	8.31E-01	2.15E-01	7.79E+00	4.07E+00	3.05E-04	9.11E-03	6.29E-03	4.09E+00
262	488199.44	3856789.39	3.83E+00	2.58E-04	9.55E-03	6.21E-03	3.85E+00	4.00E+00	2.63E+00	8.71E-01	2.12E-01	7.71E+00	3.99E+00	3.01E-04	9.55E-03	6.21E-03	4.01E+00
263	488249.44	3856789.39	3.76E+00	2.56E-04	9.89E-03	6.34E-03	3.77E+00	3.92E+00	2.62E+00	9.02E-01	2.17E-01	7.66E+00	3.91E+00	3.00E-04	9.89E-03	6.34E-03	3.93E+00
264	488299.44	3856789.39	3.68E+00	2.55E-04	1.03E-02	6.30E-03	3.69E+00	3.84E+00	2.60E+00	9.36E-01	2.16E-01	7.59E+00	3.83E+00	2.98E-04	1.03E-02	6.30E-03	3.84E+00
265	488349.44	3856789.39	3.58E+00	2.61E-04	1.07E-02	6.27E-03	3.59E+00	3.73E+00	2.66E+00	9.76E-01	2.14E-01	7.59E+00	3.72E+00	3.05E-04	1.07E-02	6.27E-03	3.74E+00
266	488399.44	3856789.39	3.48E+00	2.64E-04	1.16E-02	6.25E-03	3.50E+00	3.63E+00	2.70E+00	1.05E+00	2.14E-01	7.60E+00	3.62E+00	3.09E-04	1.16E-02	6.25E-03	3.64E+00
267	487949.44	3856839.39	4.43E+00	2.72E-04	9.59E-03	6.45E-03	4.44E+00	4.62E+00	2.77E+00	8.75E-01	2.21E-01	8.49E+00	4.61E+00	3.18E-04	9.59E-03	6.45E-03	4.63E+00
268	487999.44	3856839.39	4.31E+00	2.73E-04	1.11E-02	6.39E-03	4.33E+00	4.50E+00	2.79E+00	1.02E+00	2.19E-01	8.52E+00	4.49E+00	3.19E-04	1.11E-02	6.39E-03	4.51E+00
269	488049.44	3856839.39	4.20E+00	2.72E-04	1.04E-02	6.35E-03	4.22E+00	4.39E+00	2.78E+00	9.46E-01	2.17E-01	8.33E+00	4.38E+00	3.18E-04	1.04E-02	6.35E-03	4.39E+00
270	488099.44	3856839.39	4.10E+00	2.70E-04	1.01E-02	6.31E-03	4.12E+00	4.28E+00	2.75E+00	9.24E-01	2.16E-01	8.18E+00	4.27E+00	3.15E-04	1.01E-02	6.31E-03	4.29E+00
271	488149.44	3856839.39	4.01E+00	2.71E-04	9.59E-03	6.28E-03	4.03E+00	4.18E+00	2.77E+00	8.75E-01	2.15E-01	8.04E+00	4.18E+00	3.17E-04	9.59E-03	6.28E-03	4.19E+00
272	488199.44	3856839.39	3.91E+00	2.69E-04	1.02E-02	6.26E-03	3.93E+00	4.08E+00	2.74E+00	9.29E-01	2.14E-01	7.97E+00	4.07E+00	3.14E-04	1.02E-02	6.26E-03	4.09E+00
273	487949.44	3856889.39	4.55E+00	2.80E-04	1.02E-02	6.43E-03	4.57E+00	4.75E+00	2.86E+00	9.34E-01	2.20E-01	8.76E+00	4.74E+00	3.27E-04	1.02E-02	6.43E-03	4.76E+00
274	487999.44	3856889.39	4.43E+00	2.85E-04	1.17E-02	6.40E-03	4.45E+00	4.62E+00	2.91E+00	1.07E+00	2.19E-01	8.82E+00	4.61E+00	3.33E-04	1.17E-02	6.40E-03	4.63E+00
275	488049.44	3856889.39	4.32E+00	2.80E-04	1.06E-02	6.32E-03	4.34E+00	4.51E+00	2.87E+00	9.69E-01	2.16E-01	8.56E+00	4.50E+00	3.28E-04	1.06E-02	6.32E-03	4.52E+00
276	488099.44	3856889.39	4.20E+00	2.80E-04	1.03E-02	6.27E-03	4.22E+00	4.39E+00	2.86E+00	9.41E-01	2.14E-01	8.40E+00	4.38E+00	3.27E-04	1.03E-02	6.27E-03	4.39E+00
277	488635.86	3857895.05	4.14E+00	5.05E-04	1.56E-01	4.86E-03	4.30E+00	4.32E+00	5.16E+00	1.42E+01	1.66E-01	2.39E+01	4.31E+00	5.91E-04	1.56E-01	4.86E-03	4.47E+00
278	489137.64	3857804.15	3.67E+00	4.42E-04	7.21E-02	4.64E-03	3.75E+00	3.83E+00	4.51E+00	6.57E+00	1.59E-01	1.51E+01	3.82E+00	5.17E-04	7.21E-02	4.64E-03	3.90E+00
279	488617.32	3857859.41	4.22E+00	4.99E-04	1.56E-01	4.76E-03	4.38E+00	4.40E+00	5.10E+00	1.42E+01	1.63E-01	2.39E+01	4.39E+00	5.84E-04	1.56E-01	4.76E-03	4.55E+00
280	488667.32	3857859.41	4.20E+00	4.92E-04	1.42E-01	4.79E-03	4.35E+00	4.38E+00	5.03E+00	1.30E+01	1.64E-01	2.25E+01	4.37E+00	5.76E-04	1.42E-01	4.79E-03	4.52E+00
281	488717.32	3857859.41	4.21E+00	4.79E-04	1.29E-01	4.76E-03	4.34E+00	4.39E+00	4.90E+00	1.17E+01	1.63E-01	2.12E+01	4.38E+00	5.61E-04	1.29E-01	4.76E-03	4.52E+00
282	488767.32	3857859.41	4.20E+00	4.78E-04	1.17E-01	4.81E-03	4.32E+00	4.38E+00	4.89E+00	1.07E+01	1.65E-01	2.01E+01	4.37E+00	5.60E-04	1.17E-01	4.81E-03	4.50E+00
283	488617.32	3857909.41	4.05E+00	5.08E-04	1.63E-01	4.85E-03	4.22E+00	4.23E+00	5.19E+00	1.48E+01	1.66E-01	2.44E+01	4.22E+00	5.94E-04	1.63E-01	4.85E-03	4.39E+00
284	488667.32	3857909.41	4.10E+00	5.06E-04	1.48E-01	4.80E-03	4.25E+00	4.28E+00	5.17E+00	1.35E+01	1.64E-01	2.31E+01	4.27E+00	5.92E-04	1.48E-01	4.80E-03	4.42E+00
285	488717.32	3857909.41	4.10E+00	4.93E-04	1.35E-01	4.70E-03	4.24E+00	4.28E+00	5.03E+00	1.23E+01	1.61E-01	2.18E+01	4.27E+00	5.76E-04	1.35E-01	4.70E-03	4.41E+00
286	488767.32	3857909.41	4.10E+00	4.88E-04	1.23E-01	4.74E-03	4.22E+00	4.27E+00	4.98E+00	1.12E+01	1.62E-01	2.06E+01	4.27E+00	5.71E-04	1.23E-01	4.74E-03	4.39E+00
287	488417.32	3857959.41	4.17E+00	5.38E-04	2.49E-01	4.96E-03	4.43E+00	4.35E+00	5.50E+00	2.27E+01	1.70E-01	3.28E+01	4.35E+00	6.30E-04	2.49E-01	4.96E-03	4.60E+00
288	488467.32	3857959.41	4.11E+00	5.33E-04	2.33E-01	5.10E-03	4.35E+00	4.29E+00	5.44E+00	2.12E+01	1.75E-01	3.11E+01	4.28E+00	6.23E-04	2.33E-01	5.10E-03	4.52E+00
289	488517.32	3857959.41	4.04E+00	5.35E-04	2.15E-01	5.05E-03	4.26E+00	4.22E+00	5.47E+00	1.96E+01	1.73E-01	2.95E+01	4.21E+00	6.26E-04	2.15E-01	5.05E-03	4.43E+00
290	488567.32	3857959.41	4.02E+00	5.29E-04	1.90E-01	5.11E-03	4.22E+00	4.20E+00	5.41E+00	1.73E+01	1.75E-01	2.71E+01	4.19E+00	6.19E-04	1.90E-01	5.11E-03	4.39E+00
291	488617.32	3857959.41	4.01E+00	5.19E-04	1.68E-01	5.01E-03	4.18E+00	4.18E+00	5.31E+00	1.54E+01	1.72E-01	2.50E+01	4.17E+00	6.08E-04	1.68E-01	5.01E-03	4.35E+00
292	488667.32	3857959.41	3.99E+00	5.14E-04	1.51E-01	4.84E-03	4.14E+00	4.16E+00	5.25E+00	1.38E+01	1.65E-01	2.33E+01	4.15E+00	6.01E-04	1.51E-01	4.84E-03	4.31E+00
293	488717.32	3857959.41	3.95E+00	5.06E-04	1.36E-01	4.87E-03	4.09E+00	4.12E+00	5.17E+00	1.24E+01	1.66E-01	2.19E+01	4.11E+00	5.92E-04	1.36E-01	4.87E-03	4.25E+00
294	488767.32	3857959.41	4.01E+00	5.03E-04	1.25E-01	5.02E-03	4.14E+00	4.18E+00	5.14E+00	1.14E+01	1.72E-01	2.09E+01	4.17E+00	5.88E-04	1.25E-01	5.02E-03	4.30E+00
295	488417.32	3858009.41	4.02E+00	5.58E-04	2.55E-01	5.03E-03	4.28E+00	4.19E+00	5.70E+00	2.32E+01	1.72E-01	3.33E+01	4.18E+00	6.53E-04	2.55E-01	5.03E-03	4.44E+00
296	488467.32	3858009.41	4.06E+00	5.60E-04	2.36E-01	4.90E-03	4.30E+00	4.24E+00	5.72E+00	2.15E+01	1.68E-01	3.17E+01	4.23E+00	6.55E-04	2.36E-01	4.90E-03	4.47E+00
297	488517.32	3858009.41	4.07E+00	5.61E-04	2.18E-01	5.04E-03	4.29E+00	4.24E+00	5.73E+00	1.99E+01	1.72E-01	3.00E+01	4.24E+00	6.57E-04	2.18E-01	5.04E-03	4.46E+00
298	488567.32	3858009.41	3.92E+00	5.51E-04	1.94E-01	5.13E-03	4.12E+00	4.10E+00	5.63E+00	1.77E+01	1.75E-01	2.76E+01	4.09E+00	6.45E-04	1.94E-01	5.13E-03	4.29E+00
299	488617.32	3858009.41	4.01E+00	5.39E-04	1.73E-01	5.24E-03	4.19E+00	4.19E+00	5.50E+00	1.58E+01	1.79E-01	2.57E+01	4.18E+00	6.30E-04	1.73E-01	5.24E-03	4.36E+00
300	488667.32	3858009.41	3.92E+00	5.42E-04	1.54E-01	5.24E-03	4.08E+00	4.09E+00	5.54E+00	1.41E+01	1.79E-01	2.39E+01	4.09E+00	6.34E-04	1.54E-01	5.24E-03	4.25E+00
301	488717.32	3858009.41	3.89E+00	5.27E-04	1.39E-01	5.17E-03	4.03E+00	4.06E+00	5.38E+00	1.27E+01	1.77E-01	2.23E+01	4.05E+00	6.16E-04	1.39E-01	5.17E-03	4.19E+00

302	488767.32	3858009.41	3.82E+00	5.26E-04	1.26E-01	5.33E-03	3.96E+00	3.99E+00	5.38E+00	1.15E+01	1.82E-01	2.11E+01	3.98E+00	6.16E-04	1.26E-01	5.33E-03	4.12E+00
303	488417.32	3858059.41	3.89E+00	5.80E-04	2.52E-01	4.99E-03	4.14E+00	4.05E+00	5.93E+00	2.30E+01	1.71E-01	3.31E+01	4.05E+00	6.79E-04	2.52E-01	4.99E-03	4.30E+00
304	488467.32	3858059.41	3.94E+00	5.90E-04	2.33E-01	4.99E-03	4.18E+00	4.11E+00	6.02E+00	2.13E+01	1.71E-01	3.16E+01	4.10E+00	6.90E-04	2.33E-01	4.99E-03	4.34E+00
305	488517.32	3858059.41	3.95E+00	5.88E-04	2.14E-01	5.02E-03	4.17E+00	4.12E+00	6.01E+00	1.95E+01	1.72E-01	2.98E+01	4.11E+00	6.88E-04	2.14E-01	5.02E-03	4.33E+00
306	488567.32	3858059.41	3.99E+00	5.75E-04	1.88E-01	4.98E-03	4.18E+00	4.16E+00	5.88E+00	1.72E+01	1.70E-01	2.74E+01	4.15E+00	6.73E-04	1.88E-01	4.98E-03	4.35E+00
307	488617.32	3858059.41	3.91E+00	5.63E-04	1.67E-01	5.32E-03	4.09E+00	4.08E+00	5.75E+00	1.52E+01	1.82E-01	2.52E+01	4.08E+00	6.59E-04	1.67E-01	5.32E-03	4.25E+00
308	488667.32	3858059.41	3.86E+00	5.56E-04	1.50E-01	5.18E-03	4.01E+00	4.02E+00	5.68E+00	1.37E+01	1.77E-01	2.36E+01	4.02E+00	6.51E-04	1.50E-01	5.18E-03	4.17E+00
309	488417.32	3858109.41	3.74E+00	5.82E-04	2.50E-01	5.12E-03	3.99E+00	3.90E+00	5.95E+00	2.28E+01	1.75E-01	3.28E+01	3.89E+00	6.81E-04	2.50E-01	5.12E-03	4.15E+00
310	488467.32	3858109.41	3.81E+00	6.05E-04	2.31E-01	5.11E-03	4.05E+00	3.97E+00	6.18E+00	2.11E+01	1.75E-01	3.14E+01	3.97E+00	7.07E-04	2.31E-01	5.11E-03	4.20E+00
311	488517.32	3858109.41	3.84E+00	6.02E-04	2.08E-01	5.08E-03	4.05E+00	4.00E+00	6.15E+00	1.90E+01	1.74E-01	2.93E+01	3.99E+00	7.04E-04	2.08E-01	5.08E-03	4.21E+00
312	488567.32	3858109.41	3.81E+00	5.90E-04	1.82E-01	5.32E-03	4.00E+00	3.98E+00	6.03E+00	1.66E+01	1.82E-01	2.68E+01	3.97E+00	6.91E-04	1.82E-01	5.32E-03	4.16E+00
313	488617.32	3858109.41	3.89E+00	5.91E-04	1.61E-01	5.41E-03	4.06E+00	4.06E+00	6.04E+00	1.46E+01	1.85E-01	2.49E+01	4.05E+00	6.91E-04	1.61E-01	5.41E-03	4.22E+00
314	488667.32	3858109.41	3.87E+00	5.73E-04	1.44E-01	5.16E-03	4.02E+00	4.04E+00	5.86E+00	1.32E+01	1.76E-01	2.32E+01	4.03E+00	6.71E-04	1.44E-01	5.16E-03	4.18E+00
315	488769.93	3858449.27	2.98E+00	6.91E-04	5.95E-02	6.31E-03	3.05E+00	3.11E+00	7.06E+00	5.43E+00	2.16E-01	1.58E+01	3.11E+00	8.09E-04	5.95E-02	6.31E-03	3.17E+00
316	488819.93	3858449.27	3.14E+00	6.89E-04	6.19E-02	6.20E-03	3.21E+00	3.28E+00	7.04E+00	5.64E+00	2.12E-01	1.62E+01	3.27E+00	8.06E-04	6.19E-02	6.20E-03	3.34E+00
317	488819.93	3858499.27	2.88E+00	7.22E-04	4.86E-02	6.12E-03	2.94E+00	3.00E+00	7.38E+00	4.44E+00	2.09E-01	1.50E+01	3.00E+00	8.45E-04	4.86E-02	6.12E-03	3.05E+00
318	488869.93	3858499.27	3.07E+00	7.11E-04	5.19E-02	6.02E-03	3.13E+00	3.20E+00	7.27E+00	4.73E+00	2.06E-01	1.54E+01	3.19E+00	8.32E-04	5.19E-02	6.02E-03	3.25E+00
319	488869.93	3858549.27	2.77E+00	7.49E-04	4.05E-02	6.00E-03	2.82E+00	2.89E+00	7.65E+00	3.69E+00	2.05E-01	1.44E+01	2.89E+00	8.77E-04	4.05E-02	6.00E-03	2.93E+00
320	489438.17	3859571.48	2.56E+00	1.12E-03	4.36E-03	7.10E-03	2.57E+00	2.67E+00	1.14E+01	3.98E-01	2.43E-01	1.47E+01	2.66E+00	1.31E-03	4.36E-03	7.10E-03	2.67E+00
321	489488.17	3859571.48	2.51E+00	1.08E-03	4.83E-03	7.07E-03	2.52E+00	2.62E+00	1.10E+01	4.40E-01	2.42E-01	1.43E+01	2.61E+00	1.26E-03	4.83E-03	7.07E-03	2.63E+00
322	489538.17	3859571.48	2.53E+00	1.05E-03	5.89E-03	7.19E-03	2.55E+00	2.64E+00	1.07E+01	5.37E-01	2.46E-01	1.42E+01	2.64E+00	1.23E-03	5.89E-03	7.19E-03	2.65E+00
323	489588.17	3859571.48	2.57E+00	1.02E-03	6.83E-03	7.33E-03	2.58E+00	2.68E+00	1.04E+01	6.22E-01	2.51E-01	1.40E+01	2.67E+00	1.20E-03	6.83E-03	7.33E-03	2.69E+00
324	489438.17	3859621.48	2.47E+00	1.15E-03	3.55E-03	7.55E-03	2.49E+00	2.58E+00	1.17E+01	3.23E-01	2.58E-01	1.49E+01	2.58E+00	1.34E-03	3.55E-03	7.55E-03	2.59E+00
325	489488.17	3859621.48	2.54E+00	1.11E-03	4.21E-03	7.35E-03	2.55E+00	2.65E+00	1.14E+01	3.84E-01	2.51E-01	1.46E+01	2.64E+00	1.30E-03	4.21E-03	7.35E-03	2.66E+00
326	489538.17	3859621.48	2.49E+00	1.08E-03	4.65E-03	7.20E-03	2.50E+00	2.60E+00	1.10E+01	4.24E-01	2.46E-01	1.43E+01	2.59E+00	1.26E-03	4.65E-03	7.20E-03	2.61E+00
327	489588.17	3859621.48	2.51E+00	1.04E-03	5.58E-03	7.21E-03	2.52E+00	2.62E+00	1.06E+01	5.09E-01	2.46E-01	1.40E+01	2.61E+00	1.21E-03	5.58E-03	7.21E-03	2.63E+00
328	489238.17	3859671.48	2.39E+00	1.29E-03	2.86E-03	8.02E-03	2.40E+00	2.49E+00	1.32E+01	2.61E-01	2.74E-01	1.62E+01	2.49E+00	1.51E-03	2.86E-03	8.02E-03	2.50E+00
329	489288.17	3859671.48	2.45E+00	1.26E-03	2.83E-03	7.95E-03	2.46E+00	2.56E+00	1.28E+01	2.58E-01	2.72E-01	1.59E+01	2.55E+00	1.47E-03	2.83E-03	7.95E-03	2.56E+00
330	489338.17	3859671.48	2.44E+00	1.23E-03	3.10E-03	8.17E-03	2.45E+00	2.55E+00	1.25E+01	2.83E-01	2.80E-01	1.56E+01	2.54E+00	1.43E-03	3.10E-03	8.17E-03	2.55E+00
331	489388.17	3859671.48	2.44E+00	1.19E-03	3.32E-03	8.43E-03	2.45E+00	2.54E+00	1.21E+01	3.03E-01	2.88E-01	1.53E+01	2.54E+00	1.39E-03	3.32E-03	8.43E-03	2.55E+00
332	489438.17	3859671.48	2.44E+00	1.15E-03	3.30E-03	8.50E-03	2.46E+00	2.55E+00	1.18E+01	3.01E-01	2.91E-01	1.49E+01	2.54E+00	1.35E-03	3.30E-03	8.50E-03	2.56E+00
333	489488.17	3859671.48	2.45E+00	1.12E-03	3.49E-03	8.49E-03	2.46E+00	2.55E+00	1.14E+01	3.19E-01	2.90E-01	1.46E+01	2.55E+00	1.31E-03	3.49E-03	8.49E-03	2.56E+00
334	489538.17	3859671.48	2.52E+00	1.09E-03	4.07E-03	8.35E-03	2.53E+00	2.63E+00	1.11E+01	3.71E-01	2.86E-01	1.44E+01	2.62E+00	1.28E-03	4.07E-03	8.35E-03	2.64E+00
335	489588.17	3859671.48	2.48E+00	1.06E-03	4.49E-03	8.09E-03	2.49E+00	2.58E+00	1.08E+01	4.09E-01	2.77E-01	1.41E+01	2.58E+00	1.24E-03	4.49E-03	8.09E-03	2.59E+00
336	489238.17	3859721.48	2.30E+00	1.27E-03	2.86E-03	8.37E-03	2.31E+00	2.40E+00	1.30E+01	2.60E-01	2.86E-01	1.59E+01	2.39E+00	1.49E-03	2.86E-03	8.37E-03	2.40E+00
337	489288.17	3859721.48	2.37E+00	1.25E-03	2.73E-03	8.21E-03	2.38E+00	2.47E+00	1.27E+01	2.49E-01	2.81E-01	1.57E+01	2.47E+00	1.46E-03	2.73E-03	8.21E-03	2.48E+00
338	489338.17	3859721.48	2.42E+00	1.21E-03	2.75E-03	8.12E-03	2.43E+00	2.52E+00	1.24E+01	2.50E-01	2.78E-01	1.54E+01	2.52E+00	1.42E-03	2.75E-03	8.12E-03	2.53E+00
339	489388.17	3859721.48	2.44E+00	1.18E-03	3.15E-03	7.98E-03	2.45E+00	2.54E+00	1.20E+01	2.87E-01	2.73E-01	1.52E+01	2.54E+00	1.38E-03	3.15E-03	7.98E-03	2.55E+00
340	489438.17	3859721.48	2.43E+00	1.16E-03	3.18E-03	7.78E-03	2.44E+00	2.54E+00	1.18E+01	2.90E-01	2.66E-01	1.49E+01	2.53E+00	1.35E-03	3.18E-03	7.78E-03	2.54E+00
341	489488.17	3859721.48	2.43E+00	1.12E-03	3.21E-03	7.68E-03	2.44E+00	2.54E+00	1.14E+01	2.93E-01	2.63E-01	1.45E+01	2.53E+00	1.31E-03	3.21E-03	7.68E-03	2.54E+00
342	489538.17	3859721.48	2.42E+00	1.09E-03	3.35E-03	7.80E-03	2.44E+00	2.53E+00	1.12E+01	3.05E-01	2.67E-01	1.43E+01	2.52E+00	1.28E-03	3.35E-03	7.80E-03	2.54E+00
343	489588.17	3859721.48	2.50E+00	1.06E-03	3.93E-03	7.80E-03	2.51E+00	2.60E+00	1.08E+01	3.59E-01	2.67E-01	1.41E+01	2.60E+00	1.24E-03	3.93E-03	7.80E-03	2.61E+00
344	489238.17	3859771.48	2.31E+00	1.27E-03	2.90E-03	8.07E-03	2.32E+00	2.41E+00	1.30E+01	2.64E-01	2.76E-01	1.59E+01	2.41E+00	1.49E-03	2.90E-03	8.07E-03	2.42E+00
345	489288.17	3859771.48	2.27E+00	1.24E-03	2.74E-03	8.13E-03	2.28E+00	2.37E+00	1.26E+01	2.50E-01	2.78E-01	1.55E+01	2.36E+00	1.45E-03	2.74E-03	8.13E-03	2.38E+00
346	489338.17	3859771.48	2.34E+00	1.20E-03	2.72E-03	8.09E-03	2.35E+00	2.44E+00	1.23E+01	2.48E-01	2.77E-01	1.53E+01	2.44E+00	1.41E-03	2.72E-03	8.09E-03	2.45E+00
347	489388.17	3859771.48	2.38E+00	1.18E-03	2.73E-03	7.86E-03	2.39E+00	2.48E+00	1.20E+01	2.49E-01	2.69E-01	1.50E+01	2.48E+00	1.38E-03	2.73E-03	7.86E-03	2.49E+00
348	489438.17	3859771.48	2.42E+00	1.15E-03	3.10E-03	7.86E-03	2.43E+00	2.53E+00	1.17E+01	2.83E-01	2.69E-01	1.48E+01	2.52E+00	1.34E-03	3.10E-03	7.86E-03	2.53E+00
349	489488.17	3859771.48	2.42E+00	1.12E-03	3.11E-03	7.71E-03	2.43E+00	2.53E+00	1.15E+01	2.83E-01	2.64E-01	1.45E+01	2.52E+00	1.31E-03	3.11E-03	7.71E-03	2.53E+00
350	489538.17	3859771.48	2.41E+00	1.09E-03	3.13E-03	7.69E-03	2.42E+00	2.52E+00	1.12E+01	2.85E-01	2.63E-01	1.43E+01	2.51E+00	1.28E-03	3.13E-03	7.69E-03	2.52E+00
351	489588.17	3859771.48	2.40E+00	1.06E-03	3.26E-03	7.62E-03	2.41E+00	2.51E+00	1.09E+01	2.97E-01	2.60E-01	1.39E+01	2.50E+00	1.24E-03	3.26E-03	7.62E-03	2.51E+00
352	489238.17	3859821.48	2.37E+00	1.23E-03	2.82E-03	9.36E-03	2.38E+00	2.47E+00	1.26E+01	2.58E-01	3.20E-01	1.56E+01	2.46E+00	1.44E-03	2.82E-03	9.36E-03	2.48E+00
353	489288.17	3859821.48	2.28E+00	1.22E-03	2.75E-03	9.04E-03	2.30E+00	2.38E+00	1.24E+01	2.51E-01	3.09E-01	1.54E+01	2.38E+00	1.42E-03	2.75E-03	9.04E-03	2.39E+00
354	489338.17	3859821.48	2.22E+00	1.21E-03	2.62E-03	8.65E-03	2.24E+00	2.32E+00	1.23E+01	2.39E-01	2.96E-01	1.52E+01	2.32E+00	1.41E-03	2.62E-03	8.65E-03	2.33E+00
355	489388.17	3859821.48	2.31E+00	1.18E-03	2.62E-03	8.55E-03	2.32E+00	2.41E+00	1.20E+01	2.39E-01	2.92E-01	1.50E+01	2.41E+00	1.38E-03	2.62E-03	8.55E-03	2.42E+00
356	489438.17	3859821.48	2.35E+00	1.15E-03	2.80E-03	8.35E-03	2.36E+00	2.45E+00	1.17E+01	2.55E-01	2.85E-01	1.47E+01	2.45E+00	1.34E-03	2.80E-03	8.35E-03	2.46E+00
357	489488.17	3859821.48	2.41E+00	1.11E-03	3.05E-03	8.32E-03	2.42E+00	2.52E+00	1.14E+01	2.78E-01	2.85E-01	1.44E+01	2.51E+00	1.30E-03	3.05E-03	8.32E-03	2.52E+00
358	489538.17	3859821.48	2.41E+00	1.09E-03	3.04E-03	8.20E-03	2.42E+00	2.51E+00	1.11E+01	2.77E-01	2.81E-01	1.42E+01	2.51E+00	1.27E-03	3.04E-03	8.20E-03	2.52E+00
359	489588.17	3859821.48	2.39E+00	1.07E-03	3.05E-03	8.09E-03	2.40E+00	2.50E+00	1.09E+01	2.78E-01	2.77E-01	1.39E+01	2.49E+00	1.25E-03	3.05E-03	8.09E-03	2.50E+00
360	489238.17	3859871.48	2.40E+00	1.21E-03	2.70E-03	1.13E-02	2.41E+00	2.50E+00	1.24E+01	2.46E-01	3.88E-01	1.55E+01	2.50E+00	1.42E-03	2.70E-03	1.13E-02	2.51E+00
361	489288.17	3859871.48	2.33E+00	1.18E-03	2.76E-03	1.08E-02	2.34E+00	2.43E+00	1.20E+01	2.52E-01	3.70E-01	1.51E+01	2.42E+00	1.38E-03	2.76E-03	1.08E-02	2.44E+00
362	489338.17	3859871.48	2.26E+00	1.16E-03	2.62E-03	1.04E-02	2.27E+00	2.35E+00	1.18E+01	2.39E-01	3.56E-01	1.48E+01	2.35E+00	1.36E-03	2.62E-03	1.04E-02	2.36E+00

363	489388.17	3859871.48	2.19E+00	1.15E-03	2.52E-03	9.92E-03	2.21E+00	2.29E+00	1.18E+01	2.30E-01	3.39E-01	1.47E+01	2.28E+00	1.35E-03	2.52E-03	9.92E-03	2.30E+00
364	489438.17	3859871.48	2.29E+00	1.14E-03	2.55E-03	9.40E-03	2.30E+00	2.39E+00	1.16E+01	2.32E-01	3.21E-01	1.46E+01	2.39E+00	1.33E-03	2.55E-03	9.40E-03	2.40E+00
365	489488.17	3859871.48	2.33E+00	1.11E-03	2.90E-03	9.25E-03	2.35E+00	2.44E+00	1.14E+01	2.65E-01	3.16E-01	1.44E+01	2.43E+00	1.30E-03	2.90E-03	9.25E-03	2.44E+00
366	489538.17	3859871.48	2.40E+00	1.09E-03	2.96E-03	9.09E-03	2.41E+00	2.50E+00	1.11E+01	2.70E-01	3.11E-01	1.42E+01	2.50E+00	1.27E-03	2.96E-03	9.09E-03	2.51E+00
367	489588.17	3859871.48	2.39E+00	1.06E-03	2.97E-03	8.85E-03	2.40E+00	2.49E+00	1.08E+01	2.71E-01	3.03E-01	1.39E+01	2.49E+00	1.24E-03	2.97E-03	8.85E-03	2.50E+00
368	489238.17	3859921.48	2.32E+00	1.15E-03	2.63E-03	1.18E-02	2.33E+00	2.42E+00	1.18E+01	2.40E-01	4.03E-01	1.48E+01	2.41E+00	1.35E-03	2.63E-03	1.18E-02	2.43E+00
369	489288.17	3859921.48	2.37E+00	1.16E-03	2.62E-03	1.13E-02	2.38E+00	2.47E+00	1.18E+01	2.39E-01	3.85E-01	1.49E+01	2.47E+00	1.35E-03	2.62E-03	1.13E-02	2.48E+00
370	489338.17	3859921.48	2.29E+00	1.14E-03	2.66E-03	1.08E-02	2.31E+00	2.39E+00	1.16E+01	2.42E-01	3.68E-01	1.46E+01	2.39E+00	1.33E-03	2.66E-03	1.08E-02	2.40E+00
371	489388.17	3859921.48	2.24E+00	1.12E-03	2.51E-03	1.04E-02	2.25E+00	2.34E+00	1.14E+01	2.29E-01	3.57E-01	1.44E+01	2.33E+00	1.31E-03	2.51E-03	1.04E-02	2.35E+00
372	489438.17	3859921.48	2.18E+00	1.09E-03	2.55E-03	9.92E-03	2.19E+00	2.28E+00	1.12E+01	2.32E-01	3.39E-01	1.40E+01	2.27E+00	1.28E-03	2.55E-03	9.92E-03	2.28E+00
373	489488.17	3859921.48	2.27E+00	1.08E-03	2.54E-03	9.66E-03	2.29E+00	2.37E+00	1.10E+01	2.32E-01	3.30E-01	1.40E+01	2.37E+00	1.26E-03	2.54E-03	9.66E-03	2.38E+00
374	489538.17	3859921.48	2.30E+00	1.06E-03	2.92E-03	9.32E-03	2.32E+00	2.40E+00	1.09E+01	2.67E-01	3.19E-01	1.39E+01	2.40E+00	1.24E-03	2.92E-03	9.32E-03	2.41E+00
375	489588.17	3859921.48	2.39E+00	1.05E-03	2.90E-03	9.14E-03	2.40E+00	2.49E+00	1.07E+01	2.64E-01	3.13E-01	1.38E+01	2.48E+00	1.23E-03	2.90E-03	9.14E-03	2.50E+00
376	489238.17	3859971.48	2.31E+00	1.12E-03	2.60E-03	1.18E-02	2.32E+00	2.41E+00	1.14E+01	2.37E-01	4.04E-01	1.45E+01	2.40E+00	1.31E-03	2.60E-03	1.18E-02	2.42E+00
377	489288.17	3859971.48	2.31E+00	1.11E-03	2.55E-03	1.20E-02	2.32E+00	2.41E+00	1.13E+01	2.32E-01	4.11E-01	1.44E+01	2.40E+00	1.30E-03	2.55E-03	1.20E-02	2.42E+00
378	489338.17	3859971.48	2.34E+00	1.09E-03	2.56E-03	1.14E-02	2.35E+00	2.44E+00	1.12E+01	2.33E-01	3.90E-01	1.42E+01	2.44E+00	1.28E-03	2.56E-03	1.14E-02	2.45E+00
379	489388.17	3859971.48	2.26E+00	1.09E-03	2.54E-03	1.13E-02	2.28E+00	2.36E+00	1.11E+01	2.32E-01	3.87E-01	1.41E+01	2.36E+00	1.27E-03	2.54E-03	1.13E-02	2.37E+00
380	489438.17	3859971.48	2.23E+00	1.06E-03	2.41E-03	1.07E-02	2.24E+00	2.32E+00	1.08E+01	2.20E-01	3.66E-01	1.37E+01	2.32E+00	1.24E-03	2.41E-03	1.07E-02	2.33E+00
381	489488.17	3859971.48	2.17E+00	1.02E-03	2.46E-03	1.01E-02	2.19E+00	2.27E+00	1.04E+01	2.25E-01	3.45E-01	1.32E+01	2.26E+00	1.19E-03	2.46E-03	1.01E-02	2.28E+00
382	489538.17	3859971.48	2.27E+00	9.77E-04	2.53E-03	9.72E-03	2.29E+00	2.37E+00	9.98E+00	2.31E-01	3.32E-01	1.29E+01	2.37E+00	1.14E-03	2.53E-03	9.72E-03	2.38E+00
383	489588.17	3859971.48	2.31E+00	9.45E-04	2.83E-03	9.37E-03	2.32E+00	2.41E+00	9.65E+00	2.58E-01	3.20E-01	1.26E+01	2.40E+00	1.11E-03	2.83E-03	9.37E-03	2.42E+00
384	483577.7	3854071	4.28E+00	2.17E-04	9.10E-04	2.05E-03	4.28E+00	4.47E+00	2.21E+00	8.30E-02	7.01E-02	6.84E+00	4.46E+00	2.54E-04	9.10E-04	2.05E-03	4.46E+00
385	483627.7	3854071	4.61E+00	2.11E-04	9.06E-04	2.11E-03	4.61E+00	4.81E+00	2.16E+00	8.26E-02	7.20E-02	7.12E+00	4.80E+00	2.47E-04	9.06E-04	2.11E-03	4.80E+00
386	483677.7	3854071	4.74E+00	2.07E-04	8.99E-04	2.16E-03	4.75E+00	4.95E+00	2.11E+00	8.20E-02	7.40E-02	7.22E+00	4.94E+00	2.42E-04	8.99E-04	2.16E-03	4.94E+00
387	483727.7	3854071	4.89E+00	1.99E-04	9.03E-04	2.23E-03	4.89E+00	5.10E+00	2.03E+00	8.24E-02	7.63E-02	7.29E+00	5.09E+00	2.32E-04	9.03E-04	2.23E-03	5.10E+00
388	483777.7	3854071	4.90E+00	1.90E-04	9.12E-04	2.32E-03	4.90E+00	5.11E+00	1.94E+00	8.32E-02	7.93E-02	7.22E+00	5.10E+00	2.22E-04	9.12E-04	2.32E-03	5.11E+00
389	483577.7	3854121	4.17E+00	2.20E-04	9.23E-04	2.09E-03	4.17E+00	4.35E+00	2.24E+00	8.42E-02	7.15E-02	6.75E+00	4.34E+00	2.57E-04	9.23E-04	2.09E-03	4.35E+00
390	483627.7	3854121	4.36E+00	2.06E-04	9.19E-04	2.12E-03	4.37E+00	4.55E+00	2.11E+00	8.38E-02	7.24E-02	6.82E+00	4.54E+00	2.42E-04	9.19E-04	2.12E-03	4.55E+00
391	483677.7	3854121	4.69E+00	1.97E-04	9.14E-04	2.24E-03	4.69E+00	4.89E+00	2.01E+00	8.33E-02	7.67E-02	7.07E+00	4.88E+00	2.30E-04	9.14E-04	2.24E-03	4.89E+00
392	483727.7	3854121	4.87E+00	1.84E-04	9.05E-04	2.36E-03	4.87E+00	5.08E+00	1.88E+00	8.26E-02	8.09E-02	7.13E+00	5.07E+00	2.15E-04	9.05E-04	2.36E-03	5.07E+00
393	483777.7	3854121	5.17E+00	1.82E-04	9.08E-04	2.30E-03	5.17E+00	5.39E+00	1.86E+00	8.28E-02	7.87E-02	7.41E+00	5.38E+00	2.13E-04	9.08E-04	2.30E-03	5.38E+00
394	483577.7	3854171	4.15E+00	2.09E-04	9.36E-04	2.13E-03	4.16E+00	4.33E+00	2.14E+00	8.54E-02	7.29E-02	6.63E+00	4.33E+00	2.45E-04	9.36E-04	2.13E-03	4.33E+00
395	483627.7	3854171	4.24E+00	1.94E-04	9.31E-04	2.19E-03	4.25E+00	4.43E+00	1.98E+00	8.50E-02	7.49E-02	6.57E+00	4.42E+00	2.27E-04	9.31E-04	2.19E-03	4.42E+00
396	483677.7	3854171	4.47E+00	1.84E-04	9.27E-04	2.35E-03	4.48E+00	4.67E+00	1.88E+00	8.46E-02	8.03E-02	6.72E+00	4.66E+00	2.16E-04	9.27E-04	2.35E-03	4.66E+00
397	483727.7	3854171	4.94E+00	1.78E-04	9.20E-04	2.40E-03	4.94E+00	5.15E+00	1.81E+00	8.39E-02	8.19E-02	7.13E+00	5.14E+00	2.08E-04	9.20E-04	2.40E-03	5.15E+00
398	483777.7	3854171	5.03E+00	1.71E-04	9.13E-04	2.29E-03	5.03E+00	5.25E+00	1.75E+00	8.33E-02	7.82E-02	7.16E+00	5.24E+00	2.00E-04	9.13E-04	2.29E-03	5.24E+00
399	483827.7	3854171	5.29E+00	1.67E-04	9.13E-04	2.27E-03	5.29E+00	5.52E+00	1.71E+00	8.33E-02	7.76E-02	7.39E+00	5.51E+00	1.96E-04	9.13E-04	2.27E-03	5.51E+00
400	483877.7	3854171	5.17E+00	1.63E-04	9.29E-04	2.31E-03	5.17E+00	5.39E+00	1.66E+00	8.47E-02	7.90E-02	7.22E+00	5.38E+00	1.90E-04	9.29E-04	2.31E-03	5.39E+00
401	483727.7	3854221	4.72E+00	1.76E-04	9.37E-04	2.36E-03	4.72E+00	4.92E+00	1.79E+00	8.54E-02	8.08E-02	6.88E+00	4.91E+00	2.05E-04	9.37E-04	2.36E-03	4.91E+00
402	483777.7	3854221	5.08E+00	1.67E-04	9.31E-04	2.28E-03	5.09E+00	5.30E+00	1.71E+00	8.49E-02	7.80E-02	7.18E+00	5.29E+00	1.96E-04	9.31E-04	2.28E-03	5.30E+00
403	483827.7	3854221	5.12E+00	1.66E-04	9.22E-04	2.29E-03	5.12E+00	5.34E+00	1.70E+00	8.41E-02	7.84E-02	7.20E+00	5.33E+00	1.95E-04	9.22E-04	2.29E-03	5.33E+00
404	483877.7	3854221	5.42E+00	1.63E-04	9.22E-04	2.36E-03	5.42E+00	5.65E+00	1.66E+00	8.41E-02	8.09E-02	7.48E+00	5.64E+00	1.91E-04	9.22E-04	2.36E-03	5.65E+00
405	489150.19	3858726.45	2.85E+00	7.73E-04	2.73E-02	5.25E-03	2.88E+00	2.97E+00	7.90E+00	2.49E+00	1.80E-01	1.35E+01	2.96E+00	9.04E-04	2.73E-02	5.25E-03	3.00E+00
406	489200.19	3858726.45	2.79E+00	7.57E-04	2.84E-02	5.25E-03	2.83E+00	2.91E+00	7.73E+00	2.59E+00	1.80E-01	1.34E+01	2.91E+00	8.86E-04	2.84E-02	5.25E-03	2.94E+00
407	489150.19	3858776.45	2.66E+00	8.16E-04	2.39E-02	5.56E-03	2.69E+00	2.78E+00	8.33E+00	2.18E+00	1.90E-01	1.35E+01	2.77E+00	9.54E-04	2.39E-02	5.56E-03	2.80E+00
408	489200.19	3858776.45	2.77E+00	7.84E-04	2.45E-02	5.50E-03	2.81E+00	2.89E+00	8.01E+00	2.24E+00	1.88E-01	1.33E+01	2.89E+00	9.17E-04	2.45E-02	5.50E-03	2.92E+00
409	488919.6	3856400.76	2.53E+00	1.96E-04	6.96E-03	5.60E-03	2.54E+00	2.64E+00	2.00E+00	6.35E-01	1.92E-01	5.47E+00	2.63E+00	2.29E-04	6.96E-03	5.60E-03	2.64E+00
410	488919.6	3856450.76	2.56E+00	2.06E-04	7.28E-03	5.65E-03	2.58E+00	2.68E+00	2.10E+00	6.64E-01	1.93E-01	5.63E+00	2.67E+00	2.41E-04	7.28E-03	5.65E-03	2.68E+00
411	488969.6	3856450.76	2.53E+00	2.03E-04	7.46E-03	5.62E-03	2.54E+00	2.64E+00	2.07E+00	6.80E-01	1.92E-01	5.58E+00	2.63E+00	2.37E-04	7.46E-03	5.62E-03	2.65E+00
412	488919.6	3856500.76	2.60E+00	2.13E-04	7.51E-03	5.51E-03	2.61E+00	2.71E+00	2.17E+00	6.85E-01	1.89E-01	5.76E+00	2.71E+00	2.49E-04	7.51E-03	5.51E-03	2.72E+00
413	488969.6	3856500.76	2.55E+00	2.11E-04	7.79E-03	5.47E-03	2.57E+00	2.66E+00	2.16E+00	7.10E-01	1.87E-01	5.72E+00	2.66E+00	2.47E-04	7.79E-03	5.47E-03	2.67E+00
414	488919.6	3856550.76	2.67E+00	2.22E-04	8.11E-03	5.61E-03	2.69E+00	2.79E+00	2.26E+00	7.40E-01	1.92E-01	5.99E+00	2.78E+00	2.59E-04	8.11E-03	5.61E-03	2.80E+00
415	488969.6	3856550.76	2.63E+00	2.21E-04	8.64E-03	5.55E-03	2.64E+00	2.74E+00	2.26E+00	7.88E-01	1.90E-01	5.98E+00	2.74E+00	2.59E-04	8.64E-03	5.55E-03	2.75E+00
416	488819.6	3856600.76	2.84E+00	2.29E-04	8.43E-03	5.54E-03	2.86E+00	2.96E+00	2.34E+00	7.69E-01	1.90E-01	6.26E+00	2.96E+00	2.68E-04	8.43E-03	5.54E-03	2.97E+00
417	488869.6	3856600.76	2.79E+00	2.28E-04	8.33E-03	5.45E-03	2.80E+00	2.91E+00	2.33E+00	7.60E-01	1.87E-01	6.19E+00	2.91E+00	2.67E-04	8.33E-03	5.45E-03	2.92E+00
418	488919.6	3856600.76	2.75E+00	2.27E-04	8.75E-03	5.43E-03	2.76E+00	2.86E+00	2.32E+00	7.98E-01	1.86E-01	6.17E+00	2.86E+00	2.66E-04	8.75E-03	5.43E-03	2.87E+00
419	488819.6	3856650.76	2.88E+00	2.36E-04	8.62E-03	5.56E-03	2.90E+00	3.01E+00	2.42E+00	7.87E-01	1.90E-01	6.40E+00	3.00E+00	2.77E-04	8.62E-03	5.56E-03	3.02E+00
420	488869.6	3856650.76	2.85E+00	2.37E-04	8.97E-03	5.43E-03	2.86E+00	2.97E+00	2.42E+00	8.18E-01	1.86E-01	6.39E+00	2.96E+00	2.77E-04	8.97E-03	5.43E-03	2.98E+00
421	488819.6	3856700.76	2.91E+00	2.46E-04	9.31E-03	5.71E-03	2.92E+00	3.03E+00	2.51E+00	8.49E-01	1.95E-01	6.59E+00	3.03E+00	2.88E-04	9.31E-03	5.71E-03	3.04E+00
422	488869.6	3856700.76	2.86E+00	2.44E-04	1.01E-02	5.75E-03	2.88E+00	2.98E+00	2.49E+00	9.21E-01	1.97E-01	6.60E+00	2.98E+00	2.86E-04	1.01E-02	5.75E-03	2.99E+00
423	488819.6	3856750.76	2.91E+00	2.54E-04	1.02E-02	5.96E-03	2.93E+00	3.04E+00	2.60E+00	9.31E-01	2.04E-01	6.77E+00	3.03E+00	2.98E-04	1.02E-02	5.96E-03	3.05E+00

424	488869.6	3856750.76	2.86E+00	2.54E-04	1.11E-02	5.92E-03	2.88E+00	2.99E+00	2.59E+00	1.01E+00	2.02E-01	6.79E+00	2.98E+00	2.97E-04	1.11E-02	5.92E-03	3.00E+00
425	488819.6	3857050.76	3.31E+00	3.01E-04	2.08E-02	5.41E-03	3.33E+00	3.45E+00	3.07E+00	1.90E+00	1.85E-01	8.61E+00	3.44E+00	3.52E-04	2.08E-02	5.41E-03	3.47E+00
426	488869.6	3857050.76	3.23E+00	3.00E-04	2.14E-02	5.39E-03	3.26E+00	3.37E+00	3.06E+00	1.95E+00	1.84E-01	8.57E+00	3.37E+00	3.51E-04	2.14E-02	5.39E-03	3.39E+00
427	488919.6	3857050.76	3.15E+00	3.01E-04	2.47E-02	5.32E-03	3.18E+00	3.28E+00	3.08E+00	2.25E+00	1.82E-01	8.79E+00	3.28E+00	3.52E-04	2.47E-02	5.32E-03	3.31E+00
428	488819.6	3857100.76	3.34E+00	3.09E-04	2.30E-02	5.42E-03	3.36E+00	3.48E+00	3.15E+00	2.10E+00	1.85E-01	8.92E+00	3.47E+00	3.61E-04	2.30E-02	5.42E-03	3.50E+00
429	488869.6	3857100.76	3.28E+00	3.08E-04	2.65E-02	5.40E-03	3.31E+00	3.42E+00	3.15E+00	2.41E+00	1.85E-01	9.17E+00	3.41E+00	3.61E-04	2.65E-02	5.40E-03	3.44E+00
430	488919.6	3857100.76	3.22E+00	3.11E-04	2.87E-02	5.36E-03	3.25E+00	3.36E+00	3.18E+00	2.62E+00	1.83E-01	9.33E+00	3.35E+00	3.64E-04	2.87E-02	5.36E-03	3.38E+00
431	488819.6	3857150.76	3.36E+00	3.18E-04	2.85E-02	5.17E-03	3.39E+00	3.50E+00	3.25E+00	2.59E+00	1.77E-01	9.53E+00	3.50E+00	3.72E-04	2.85E-02	5.17E-03	3.53E+00
432	488869.6	3857150.76	3.29E+00	3.20E-04	3.08E-02	5.30E-03	3.33E+00	3.43E+00	3.27E+00	2.81E+00	1.81E-01	9.70E+00	3.43E+00	3.75E-04	3.08E-02	5.30E-03	3.46E+00
433	488919.6	3857150.76	3.23E+00	3.20E-04	3.16E-02	5.24E-03	3.27E+00	3.37E+00	3.27E+00	2.88E+00	1.79E-01	9.70E+00	3.36E+00	3.75E-04	3.16E-02	5.24E-03	3.40E+00
434	488969.6	3857150.76	3.15E+00	3.17E-04	3.20E-02	5.31E-03	3.19E+00	3.29E+00	3.24E+00	2.92E+00	1.81E-01	9.63E+00	3.29E+00	3.71E-04	3.20E-02	5.31E-03	3.32E+00
435	488819.6	3857200.76	3.43E+00	3.26E-04	3.39E-02	5.20E-03	3.47E+00	3.58E+00	3.33E+00	3.09E+00	1.78E-01	1.02E+01	3.57E+00	3.81E-04	3.39E-02	5.20E-03	3.61E+00
436	488869.6	3857200.76	3.37E+00	3.29E-04	3.43E-02	5.34E-03	3.41E+00	3.52E+00	3.36E+00	3.13E+00	1.83E-01	1.02E+01	3.51E+00	3.84E-04	3.43E-02	5.34E-03	3.55E+00
437	488919.6	3857200.76	3.29E+00	3.29E-04	3.50E-02	5.23E-03	3.33E+00	3.44E+00	3.36E+00	3.19E+00	1.79E-01	1.02E+01	3.43E+00	3.85E-04	3.50E-02	5.23E-03	3.47E+00
438	488969.6	3857200.76	3.23E+00	3.27E-04	3.46E-02	5.20E-03	3.27E+00	3.37E+00	3.34E+00	3.15E+00	1.78E-01	1.00E+01	3.36E+00	3.82E-04	3.46E-02	5.20E-03	3.40E+00
439	488819.6	3857250.76	3.51E+00	3.36E-04	3.80E-02	5.35E-03	3.55E+00	3.66E+00	3.43E+00	3.47E+00	1.83E-01	1.07E+01	3.65E+00	3.93E-04	3.80E-02	5.35E-03	3.69E+00
440	488869.6	3857250.76	3.43E+00	3.49E-04	3.77E-02	5.32E-03	3.47E+00	3.58E+00	3.57E+00	3.44E+00	1.82E-01	1.08E+01	3.57E+00	4.09E-04	3.77E-02	5.32E-03	3.61E+00
441	488919.6	3857250.76	3.35E+00	3.39E-04	3.82E-02	5.16E-03	3.40E+00	3.50E+00	3.46E+00	3.48E+00	1.76E-01	1.06E+01	3.49E+00	3.96E-04	3.82E-02	5.16E-03	3.53E+00
442	488969.6	3857250.76	3.30E+00	3.37E-04	3.74E-02	5.09E-03	3.34E+00	3.44E+00	3.44E+00	3.41E+00	1.74E-01	1.05E+01	3.43E+00	3.94E-04	3.74E-02	5.09E-03	3.47E+00
443	488819.6	3857300.76	3.58E+00	3.53E-04	4.20E-02	5.51E-03	3.63E+00	3.73E+00	3.60E+00	3.83E+00	1.88E-01	1.14E+01	3.73E+00	4.13E-04	4.20E-02	5.51E-03	3.77E+00
444	488869.6	3857300.76	3.50E+00	3.58E-04	4.22E-02	5.26E-03	3.55E+00	3.65E+00	3.65E+00	3.85E+00	1.80E-01	1.13E+01	3.64E+00	4.18E-04	4.22E-02	5.26E-03	3.69E+00
445	488919.6	3857300.76	3.41E+00	3.52E-04	4.21E-02	5.16E-03	3.46E+00	3.56E+00	3.60E+00	3.84E+00	1.76E-01	1.12E+01	3.55E+00	4.12E-04	4.21E-02	5.16E-03	3.60E+00
446	488819.6	3857450.76	3.83E+00	3.92E-04	5.86E-02	5.15E-03	3.90E+00	4.00E+00	4.01E+00	5.34E+00	1.76E-01	1.35E+01	3.99E+00	4.59E-04	5.86E-02	5.15E-03	4.06E+00
447	488869.6	3857450.76	3.73E+00	3.91E-04	5.69E-02	5.19E-03	3.79E+00	3.89E+00	4.00E+00	5.19E+00	1.77E-01	1.33E+01	3.88E+00	4.58E-04	5.69E-02	5.19E-03	3.94E+00
448	488919.6	3857450.76	3.59E+00	3.92E-04	5.46E-02	5.18E-03	3.65E+00	3.75E+00	4.01E+00	4.98E+00	1.77E-01	1.29E+01	3.74E+00	4.59E-04	5.46E-02	5.18E-03	3.80E+00
449	488819.6	3857500.76	3.90E+00	3.98E-04	6.40E-02	4.93E-03	3.97E+00	4.07E+00	4.07E+00	5.84E+00	1.69E-01	1.41E+01	4.07E+00	4.66E-04	6.40E-02	4.93E-03	4.14E+00
450	488869.6	3857500.76	3.82E+00	4.00E-04	6.08E-02	4.94E-03	3.89E+00	3.99E+00	4.08E+00	5.55E+00	1.69E-01	1.38E+01	3.98E+00	4.68E-04	6.08E-02	4.94E-03	4.04E+00
451	488919.6	3857500.76	3.73E+00	3.94E-04	5.91E-02	5.04E-03	3.80E+00	3.89E+00	4.03E+00	5.39E+00	1.72E-01	1.35E+01	3.88E+00	4.62E-04	5.91E-02	5.04E-03	3.95E+00
452	488819.6	3857550.76	3.93E+00	4.06E-04	6.97E-02	4.80E-03	4.00E+00	4.10E+00	4.15E+00	6.36E+00	1.64E-01	1.48E+01	4.09E+00	4.75E-04	6.97E-02	4.80E-03	4.17E+00
453	488869.6	3857550.76	3.86E+00	4.06E-04	6.61E-02	4.80E-03	3.93E+00	4.03E+00	4.15E+00	6.03E+00	1.64E-01	1.44E+01	4.02E+00	4.75E-04	6.61E-02	4.80E-03	4.09E+00
454	488919.6	3857550.76	3.79E+00	4.02E-04	6.52E-02	4.81E-03	3.86E+00	3.95E+00	4.10E+00	5.94E+00	1.65E-01	1.42E+01	3.95E+00	4.70E-04	6.52E-02	4.81E-03	4.02E+00
455	489663.71	3860900.05	1.71E+00	1.21E-03	1.86E-03	3.43E-03	1.72E+00	1.78E+00	1.23E+01	1.69E-01	1.17E-01	1.44E+01	1.78E+00	1.41E-03	1.86E-03	3.43E-03	1.79E+00
456	489813.71	3860900.05	1.66E+00	1.11E-03	1.70E-03	3.42E-03	1.67E+00	1.73E+00	1.13E+01	1.55E-01	1.17E-01	1.33E+01	1.73E+00	1.29E-03	1.70E-03	3.42E-03	1.74E+00
457	489863.71	3860900.05	1.68E+00	1.07E-03	1.63E-03	3.47E-03	1.69E+00	1.75E+00	1.09E+01	1.49E-01	1.19E-01	1.29E+01	1.75E+00	1.25E-03	1.63E-03	3.47E-03	1.75E+00
458	489913.71	3860900.05	1.68E+00	1.04E-03	1.60E-03	3.42E-03	1.68E+00	1.75E+00	1.06E+01	1.46E-01	1.17E-01	1.26E+01	1.75E+00	1.21E-03	1.60E-03	3.42E-03	1.75E+00
459	489963.71	3860900.05	1.66E+00	1.01E-03	1.59E-03	3.38E-03	1.67E+00	1.74E+00	1.03E+01	1.45E-01	1.15E-01	1.23E+01	1.73E+00	1.18E-03	1.59E-03	3.38E-03	1.74E+00
460	490013.71	3860900.05	1.71E+00	9.82E-04	1.60E-03	3.42E-03	1.71E+00	1.78E+00	1.00E+01	1.46E-01	1.17E-01	1.21E+01	1.78E+00	1.15E-03	1.60E-03	3.42E-03	1.78E+00
461	490063.71	3860900.05	1.71E+00	9.53E-04	1.62E-03	3.45E-03	1.71E+00	1.78E+00	9.74E+00	1.48E-01	1.18E-01	1.18E+01	1.78E+00	1.11E-03	1.62E-03	3.45E-03	1.78E+00
462	489663.71	3860950.05	1.65E+00	1.19E-03	1.84E-03	3.44E-03	1.66E+00	1.73E+00	1.21E+01	1.68E-01	1.18E-01	1.42E+01	1.72E+00	1.39E-03	1.84E-03	3.44E-03	1.73E+00
463	489813.71	3860950.05	1.64E+00	1.11E-03	1.68E-03	3.18E-03	1.64E+00	1.71E+00	1.13E+01	1.53E-01	1.09E-01	1.33E+01	1.71E+00	1.29E-03	1.68E-03	3.18E-03	1.71E+00
464	489863.71	3860950.05	1.64E+00	1.08E-03	1.65E-03	3.15E-03	1.64E+00	1.71E+00	1.10E+01	1.50E-01	1.08E-01	1.30E+01	1.70E+00	1.26E-03	1.65E-03	3.15E-03	1.71E+00
465	489913.71	3860950.05	1.66E+00	1.05E-03	1.59E-03	3.23E-03	1.67E+00	1.74E+00	1.07E+01	1.45E-01	1.10E-01	1.27E+01	1.73E+00	1.23E-03	1.59E-03	3.23E-03	1.74E+00
466	489963.71	3860950.05	1.64E+00	1.02E-03	1.56E-03	3.20E-03	1.65E+00	1.71E+00	1.04E+01	1.42E-01	1.09E-01	1.24E+01	1.71E+00	1.19E-03	1.56E-03	3.20E-03	1.71E+00
467	490013.71	3860950.05	1.65E+00	9.91E-04	1.56E-03	3.13E-03	1.66E+00	1.72E+00	1.01E+01	1.42E-01	1.07E-01	1.21E+01	1.72E+00	1.16E-03	1.56E-03	3.13E-03	1.72E+00
468	490063.71	3860950.05	1.68E+00	9.66E-04	1.57E-03	3.18E-03	1.68E+00	1.75E+00	9.87E+00	1.43E-01	1.09E-01	1.19E+01	1.75E+00	1.13E-03	1.57E-03	3.18E-03	1.75E+00
469	489513.71	3861000.05	1.64E+00	1.21E-03	1.65E-03	3.44E-03	1.64E+00	1.71E+00	1.23E+01	1.50E-01	1.18E-01	1.43E+01	1.71E+00	1.41E-03	1.65E-03	3.44E-03	1.71E+00
470	489563.71	3861000.05	1.64E+00	1.22E-03	1.75E-03	3.44E-03	1.65E+00	1.72E+00	1.24E+01	1.59E-01	1.18E-01	1.44E+01	1.71E+00	1.42E-03	1.75E-03	3.44E-03	1.72E+00
471	489613.71	3861000.05	1.61E+00	1.21E-03	1.86E-03	3.36E-03	1.61E+00	1.68E+00	1.23E+01	1.69E-01	1.15E-01	1.43E+01	1.67E+00	1.41E-03	1.86E-03	3.36E-03	1.68E+00
472	489663.71	3861000.05	1.57E+00	1.19E-03	1.86E-03	3.47E-03	1.58E+00	1.64E+00	1.22E+01	1.70E-01	1.19E-01	1.41E+01	1.64E+00	1.40E-03	1.86E-03	3.47E-03	1.64E+00
473	489713.71	3861000.05	1.65E+00	1.15E-03	1.76E-03	3.25E-03	1.65E+00	1.72E+00	1.17E+01	1.61E-01	1.11E-01	1.37E+01	1.71E+00	1.34E-03	1.76E-03	3.25E-03	1.72E+00
474	489763.71	3861000.05	1.62E+00	1.12E-03	1.67E-03	3.06E-03	1.63E+00	1.69E+00	1.15E+01	1.52E-01	1.05E-01	1.34E+01	1.69E+00	1.31E-03	1.67E-03	3.06E-03	1.70E+00
475	489813.71	3861000.05	1.59E+00	1.10E-03	1.66E-03	3.03E-03	1.60E+00	1.66E+00	1.13E+01	1.52E-01	1.04E-01	1.32E+01	1.66E+00	1.29E-03	1.66E-03	3.03E-03	1.66E+00
476	489863.71	3861000.05	1.61E+00	1.07E-03	1.65E-03	3.02E-03	1.62E+00	1.68E+00	1.09E+01	1.50E-01	1.03E-01	1.29E+01	1.68E+00	1.25E-03	1.65E-03	3.02E-03	1.69E+00
477	489913.71	3861000.05	1.62E+00	1.04E-03	1.59E-03	3.00E-03	1.63E+00	1.69E+00	1.07E+01	1.45E-01	1.03E-01	1.26E+01	1.69E+00	1.22E-03	1.59E-03	3.00E-03	1.70E+00
478	489963.71	3861000.05	1.64E+00	1.02E-03	1.55E-03	3.08E-03	1.65E+00	1.71E+00	1.04E+01	1.41E-01	1.05E-01	1.24E+01	1.71E+00	1.20E-03	1.55E-03	3.08E-03	1.72E+00
479	490013.71	3861000.05	1.60E+00	1.00E-03	1.53E-03	3.11E-03	1.61E+00	1.67E+00	1.03E+01	1.39E-01	1.06E-01	1.22E+01	1.67E+00	1.18E-03	1.53E-03	3.11E-03	1.68E+00
480	490063.71	3861000.05	1.63E+00	9.77E-04	1.53E-03	3.05E-03	1.63E+00	1.70E+00	9.98E+00	1.39E-01	1.04E-01	1.19E+01	1.70E+00	1.14E-03	1.53E-03	3.05E-03	1.70E+00
481	489513.71	3861050.05	1.58E+00	1.15E-03	1.61E-03	3.42E-03	1.59E+00	1.65E+00	1.18E+01	1.47E-01	1.17E-01	1.37E+01	1.65E+00	1.35E-03	1.61E-03	3.42E-03	1.66E+00
482	489563.71	3861050.05	1.62E+00	1.17E-03	1.66E-03	3.36E-03	1.63E+00	1.69E+00	1.19E+01	1.51E-01	1.15E-01	1.39E+01	1.69E+00	1.37E-03	1.66E-03	3.36E-03	1.69E+00
483	489613.71	3861050.05	1.63E+00	1.18E-03	1.75E-03	3.35E-03	1.64E+00	1.70E+00	1.20E+01	1.60E-01	1.14E-01	1.40E+01	1.70E+00	1.38E-03	1.75E-03	3.35E-03	1.71E+00
484	489663.71	3861050.05	1.57E+00	1.16E-03	1.87E-03	3.27E-03	1.58E+00	1.64E+00	1.19E+01	1.71E-01	1.12E-01	1.38E+01	1.64E+00	1.36E-03	1.87E-03	3.27E-03	1.64E+00

485	489713.71	3861050.05	1.56E+00	1.15E-03	1.74E-03	3.34E-03	1.56E+00	1.62E+00	1.18E+01	1.59E-01	1.14E-01	1.37E+01	1.62E+00	1.35E-03	1.74E-03	3.34E-03	1.63E+00
486	489763.71	3861050.05	1.64E+00	1.11E-03	1.68E-03	3.11E-03	1.64E+00	1.71E+00	1.13E+01	1.53E-01	1.06E-01	1.33E+01	1.70E+00	1.30E-03	1.68E-03	3.11E-03	1.71E+00
487	489813.71	3861050.05	1.58E+00	1.09E-03	1.64E-03	2.96E-03	1.59E+00	1.65E+00	1.11E+01	1.50E-01	1.01E-01	1.30E+01	1.65E+00	1.27E-03	1.64E-03	2.96E-03	1.65E+00
488	489863.71	3861050.05	1.57E+00	1.07E-03	1.63E-03	2.85E-03	1.58E+00	1.64E+00	1.09E+01	1.49E-01	9.74E-02	1.28E+01	1.64E+00	1.25E-03	1.63E-03	2.85E-03	1.64E+00
489	489913.71	3861050.05	1.59E+00	1.04E-03	1.60E-03	2.90E-03	1.60E+00	1.66E+00	1.06E+01	1.46E-01	9.93E-02	1.25E+01	1.66E+00	1.22E-03	1.60E-03	2.90E-03	1.66E+00
490	489963.71	3861050.05	1.61E+00	1.02E-03	1.54E-03	2.87E-03	1.61E+00	1.68E+00	1.04E+01	1.41E-01	9.80E-02	1.23E+01	1.67E+00	1.19E-03	1.54E-03	2.87E-03	1.68E+00
491	490013.71	3861050.05	1.62E+00	9.93E-04	1.51E-03	2.95E-03	1.62E+00	1.69E+00	1.01E+01	1.38E-01	1.01E-01	1.21E+01	1.69E+00	1.16E-03	1.51E-03	2.95E-03	1.69E+00
492	490063.71	3861050.05	1.58E+00	9.79E-04	1.49E-03	3.00E-03	1.58E+00	1.65E+00	1.00E+01	1.36E-01	1.02E-01	1.19E+01	1.64E+00	1.15E-03	1.49E-03	3.00E-03	1.65E+00
493	489513.71	3861100.05	1.56E+00	1.13E-03	1.55E-03	3.41E-03	1.57E+00	1.63E+00	1.16E+01	1.41E-01	1.17E-01	1.34E+01	1.63E+00	1.32E-03	1.55E-03	3.41E-03	1.63E+00
494	489563.71	3861100.05	1.59E+00	1.12E-03	1.60E-03	3.25E-03	1.59E+00	1.66E+00	1.14E+01	1.46E-01	1.11E-01	1.33E+01	1.65E+00	1.31E-03	1.60E-03	3.25E-03	1.66E+00
495	489613.71	3861100.05	1.60E+00	1.12E-03	1.66E-03	3.25E-03	1.60E+00	1.67E+00	1.15E+01	1.52E-01	1.11E-01	1.34E+01	1.66E+00	1.31E-03	1.66E-03	3.25E-03	1.67E+00
496	489663.71	3861100.05	1.60E+00	1.13E-03	1.77E-03	3.23E-03	1.60E+00	1.67E+00	1.15E+01	1.62E-01	1.11E-01	1.35E+01	1.66E+00	1.32E-03	1.77E-03	3.23E-03	1.67E+00
497	489713.71	3861100.05	1.53E+00	1.12E-03	1.79E-03	3.17E-03	1.54E+00	1.60E+00	1.15E+01	1.64E-01	1.08E-01	1.34E+01	1.60E+00	1.32E-03	1.79E-03	3.17E-03	1.60E+00
498	489763.71	3861100.05	1.56E+00	1.11E-03	1.67E-03	3.25E-03	1.56E+00	1.62E+00	1.14E+01	1.52E-01	1.11E-01	1.33E+01	1.62E+00	1.30E-03	1.67E-03	3.25E-03	1.63E+00
499	489813.71	3861100.05	1.62E+00	1.07E-03	1.62E-03	3.02E-03	1.63E+00	1.69E+00	1.09E+01	1.48E-01	1.03E-01	1.29E+01	1.69E+00	1.25E-03	1.62E-03	3.02E-03	1.69E+00
500	489863.71	3861100.05	1.55E+00	1.06E-03	1.61E-03	2.89E-03	1.56E+00	1.62E+00	1.08E+01	1.47E-01	9.88E-02	1.27E+01	1.62E+00	1.24E-03	1.61E-03	2.89E-03	1.62E+00
501	489913.71	3861100.05	1.55E+00	1.04E-03	1.60E-03	2.73E-03	1.56E+00	1.62E+00	1.06E+01	1.46E-01	9.34E-02	1.25E+01	1.62E+00	1.21E-03	1.60E-03	2.73E-03	1.62E+00
502	489963.71	3861100.05	1.57E+00	1.02E-03	1.55E-03	2.77E-03	1.57E+00	1.64E+00	1.04E+01	1.42E-01	9.48E-02	1.23E+01	1.63E+00	1.19E-03	1.55E-03	2.77E-03	1.64E+00
503	490013.71	3861100.05	1.58E+00	9.93E-04	1.50E-03	2.77E-03	1.59E+00	1.65E+00	1.01E+01	1.36E-01	9.48E-02	1.20E+01	1.65E+00	1.16E-03	1.50E-03	2.77E-03	1.66E+00
504	490063.71	3861100.05	1.59E+00	9.63E-04	1.47E-03	2.81E-03	1.60E+00	1.66E+00	9.84E+00	1.34E-01	9.62E-02	1.17E+01	1.66E+00	1.13E-03	1.47E-03	2.81E-03	1.66E+00
505	489713.71	3861150.05	1.56E+00	1.09E-03	1.78E-03	3.10E-03	1.56E+00	1.62E+00	1.12E+01	1.63E-01	1.06E-01	1.31E+01	1.62E+00	1.28E-03	1.78E-03	3.10E-03	1.63E+00
506	489763.71	3861150.05	1.51E+00	1.09E-03	1.67E-03	3.08E-03	1.51E+00	1.57E+00	1.11E+01	1.52E-01	1.05E-01	1.30E+01	1.57E+00	1.27E-03	1.67E-03	3.08E-03	1.58E+00
507	489813.71	3861150.05	1.56E+00	1.08E-03	1.60E-03	3.17E-03	1.56E+00	1.63E+00	1.10E+01	1.46E-01	1.08E-01	1.29E+01	1.62E+00	1.26E-03	1.60E-03	3.17E-03	1.63E+00
508	489863.71	3861150.05	1.59E+00	1.04E-03	1.60E-03	2.93E-03	1.60E+00	1.66E+00	1.07E+01	1.45E-01	1.00E-01	1.26E+01	1.66E+00	1.22E-03	1.60E-03	2.93E-03	1.66E+00
509	489913.71	3861150.05	1.53E+00	1.03E-03	1.58E-03	2.80E-03	1.53E+00	1.59E+00	1.05E+01	1.45E-01	9.58E-02	1.23E+01	1.59E+00	1.20E-03	1.58E-03	2.80E-03	1.59E+00
510	489963.71	3861150.05	1.54E+00	1.01E-03	1.56E-03	2.64E-03	1.54E+00	1.60E+00	1.03E+01	1.43E-01	9.02E-02	1.21E+01	1.60E+00	1.18E-03	1.56E-03	2.64E-03	1.61E+00
511	490013.71	3861150.05	1.55E+00	9.83E-04	1.50E-03	2.63E-03	1.55E+00	1.62E+00	1.00E+01	1.37E-01	9.01E-02	1.19E+01	1.61E+00	1.15E-03	1.50E-03	2.63E-03	1.62E+00
512	490063.71	3861150.05	1.56E+00	9.66E-04	1.46E-03	2.67E-03	1.57E+00	1.63E+00	9.87E+00	1.33E-01	9.14E-02	1.17E+01	1.63E+00	1.13E-03	1.46E-03	2.67E-03	1.63E+00
513	489613.71	3861200.05	1.51E+00	1.06E-03	1.55E-03	3.11E-03	1.51E+00	1.57E+00	1.08E+01	1.41E-01	1.06E-01	1.27E+01	1.57E+00	1.24E-03	1.55E-03	3.11E-03	1.58E+00
514	489663.71	3861200.05	1.56E+00	1.04E-03	1.59E-03	2.99E-03	1.56E+00	1.62E+00	1.07E+01	1.45E-01	1.02E-01	1.25E+01	1.62E+00	1.22E-03	1.59E-03	2.99E-03	1.63E+00
515	489713.71	3861200.05	1.56E+00	1.05E-03	1.70E-03	3.04E-03	1.57E+00	1.63E+00	1.07E+01	1.55E-01	1.04E-01	1.26E+01	1.63E+00	1.23E-03	1.70E-03	3.04E-03	1.63E+00
516	489763.71	3861200.05	1.52E+00	1.06E-03	1.72E-03	2.99E-03	1.53E+00	1.59E+00	1.09E+01	1.57E-01	1.02E-01	1.27E+01	1.59E+00	1.24E-03	1.72E-03	2.99E-03	1.59E+00
517	489813.71	3861200.05	1.48E+00	1.05E-03	1.58E-03	3.00E-03	1.48E+00	1.54E+00	1.08E+01	1.44E-01	1.03E-01	1.26E+01	1.54E+00	1.23E-03	1.58E-03	3.00E-03	1.55E+00
518	489863.71	3861200.05	1.55E+00	1.05E-03	1.57E-03	3.04E-03	1.56E+00	1.62E+00	1.07E+01	1.43E-01	1.04E-01	1.26E+01	1.62E+00	1.23E-03	1.57E-03	3.04E-03	1.62E+00
519	489913.71	3861200.05	1.55E+00	1.01E-03	1.57E-03	2.83E-03	1.55E+00	1.62E+00	1.03E+01	1.43E-01	9.67E-02	1.22E+01	1.61E+00	1.19E-03	1.57E-03	2.83E-03	1.62E+00
520	489963.71	3861200.05	1.50E+00	9.96E-04	1.56E-03	2.71E-03	1.50E+00	1.56E+00	1.02E+01	1.42E-01	9.27E-02	1.20E+01	1.56E+00	1.16E-03	1.56E-03	2.71E-03	1.57E+00
521	490013.71	3861200.05	1.52E+00	9.78E-04	1.51E-03	2.58E-03	1.52E+00	1.59E+00	9.99E+00	1.38E-01	8.83E-02	1.18E+01	1.58E+00	1.14E-03	1.51E-03	2.58E-03	1.59E+00
522	490063.71	3861200.05	1.53E+00	9.59E-04	1.46E-03	2.51E-03	1.53E+00	1.59E+00	9.80E+00	1.33E-01	8.58E-02	1.16E+01	1.59E+00	1.12E-03	1.46E-03	2.51E-03	1.60E+00
523	489513.71	3861250.05	1.49E+00	1.04E-03	1.31E-03	3.33E-03	1.50E+00	1.56E+00	1.07E+01	1.20E-01	1.14E-01	1.25E+01	1.55E+00	1.22E-03	1.31E-03	3.33E-03	1.56E+00
524	489563.71	3861250.05	1.49E+00	1.06E-03	1.42E-03	3.14E-03	1.50E+00	1.56E+00	1.08E+01	1.29E-01	1.08E-01	1.26E+01	1.55E+00	1.24E-03	1.42E-03	3.14E-03	1.56E+00
525	489613.71	3861250.05	1.47E+00	1.05E-03	1.48E-03	3.10E-03	1.48E+00	1.54E+00	1.07E+01	1.35E-01	1.06E-01	1.25E+01	1.53E+00	1.23E-03	1.48E-03	3.10E-03	1.54E+00
526	489663.71	3861250.05	1.50E+00	1.04E-03	1.52E-03	2.98E-03	1.51E+00	1.57E+00	1.06E+01	1.39E-01	1.02E-01	1.24E+01	1.56E+00	1.21E-03	1.52E-03	2.98E-03	1.57E+00
527	489713.71	3861250.05	1.54E+00	1.02E-03	1.60E-03	2.90E-03	1.55E+00	1.61E+00	1.04E+01	1.46E-01	9.92E-02	1.23E+01	1.61E+00	1.19E-03	1.60E-03	2.90E-03	1.61E+00
528	489763.71	3861250.05	1.55E+00	1.02E-03	1.71E-03	2.96E-03	1.55E+00	1.61E+00	1.04E+01	1.56E-01	1.01E-01	1.23E+01	1.61E+00	1.19E-03	1.71E-03	2.96E-03	1.61E+00
529	489813.71	3861250.05	1.49E+00	1.03E-03	1.61E-03	2.91E-03	1.49E+00	1.55E+00	1.05E+01	1.47E-01	9.95E-02	1.23E+01	1.55E+00	1.20E-03	1.61E-03	2.91E-03	1.55E+00
530	489863.71	3861250.05	1.47E+00	1.02E-03	1.52E-03	2.91E-03	1.47E+00	1.53E+00	1.04E+01	1.39E-01	9.96E-02	1.22E+01	1.53E+00	1.19E-03	1.52E-03	2.91E-03	1.53E+00
531	489913.71	3861250.05	1.54E+00	1.02E-03	1.55E-03	2.88E-03	1.55E+00	1.61E+00	1.04E+01	1.41E-01	9.86E-02	1.23E+01	1.61E+00	1.19E-03	1.55E-03	2.88E-03	1.61E+00
532	489963.71	3861250.05	1.51E+00	9.90E-04	1.54E-03	2.72E-03	1.51E+00	1.57E+00	1.01E+01	1.41E-01	9.29E-02	1.19E+01	1.57E+00	1.16E-03	1.54E-03	2.72E-03	1.58E+00
533	490013.71	3861250.05	1.47E+00	9.71E-04	1.53E-03	2.60E-03	1.48E+00	1.54E+00	9.92E+00	1.39E-01	8.90E-02	1.17E+01	1.54E+00	1.14E-03	1.53E-03	2.60E-03	1.54E+00
534	490063.71	3861250.05	1.50E+00	9.51E-04	1.47E-03	2.50E-03	1.51E+00	1.57E+00	9.72E+00	1.34E-01	8.54E-02	1.15E+01	1.57E+00	1.11E-03	1.47E-03	2.50E-03	1.57E+00
535	489528.13	3861308.47	1.49E+00	1.00E-03	1.29E-03	2.98E-03	1.49E+00	1.55E+00	1.02E+01	1.18E-01	1.02E-01	1.20E+01	1.55E+00	1.17E-03	1.29E-03	2.98E-03	1.56E+00
536	489578.13	3861308.47	1.46E+00	1.01E-03	1.37E-03	3.16E-03	1.46E+00	1.52E+00	1.03E+01	1.25E-01	1.08E-01	1.21E+01	1.52E+00	1.18E-03	1.37E-03	3.16E-03	1.52E+00
537	489628.13	3861308.47	1.44E+00	1.03E-03	1.42E-03	2.99E-03	1.45E+00	1.50E+00	1.05E+01	1.30E-01	1.02E-01	1.22E+01	1.50E+00	1.20E-03	1.42E-03	2.99E-03	1.51E+00
538	489678.13	3861308.47	1.47E+00	1.02E-03	1.50E-03	2.94E-03	1.47E+00	1.53E+00	1.04E+01	1.37E-01	1.01E-01	1.22E+01	1.53E+00	1.19E-03	1.50E-03	2.94E-03	1.53E+00
539	489728.13	3861308.47	1.50E+00	1.01E-03	1.54E-03	2.84E-03	1.50E+00	1.56E+00	1.03E+01	1.40E-01	9.73E-02	1.21E+01	1.56E+00	1.18E-03	1.54E-03	2.84E-03	1.57E+00
540	489778.13	3861308.47	1.52E+00	9.92E-04	1.64E-03	2.80E-03	1.53E+00	1.59E+00	1.01E+01	1.50E-01	9.57E-02	1.20E+01	1.58E+00	1.16E-03	1.64E-03	2.80E-03	1.59E+00
541	489678.13	3861358.47	1.42E+00	1.00E-03	1.47E-03	2.88E-03	1.42E+00	1.48E+00	1.03E+01	1.34E-01	9.84E-02	1.20E+01	1.48E+00	1.17E-03	1.47E-03	2.88E-03	1.48E+00
542	489728.13	3861358.47	1.45E+00	9.93E-04	1.48E-03	2.82E-03	1.45E+00	1.51E+00	1.01E+01	1.35E-01	9.64E-02	1.19E+01	1.51E+00	1.16E-03	1.48E-03	2.82E-03	1.51E+00
543	489528.13	3861408.47	1.53E+00	9.65E-04	1.24E-03	2.50E-03	1.54E+00	1.60E+00	9.86E+00	1.13E-01	8.56E-02	1.17E+01	1.60E+00	1.13E-03	1.24E-03	2.50E-03	1.60E+00
544	489578.13	3861408.47	1.46E+00	9.56E-04	1.27E-03	2.60E-03	1.47E+00	1.52E+00	9.77E+00	1.16E-01	8.89E-02	1.15E+01	1.52E+00	1.12E-03	1.27E-03	2.60E-03	1.53E+00
545	489628.13	3861408.47	1.43E+00	9.62E-04	1.32E-03	2.69E-03	1.44E+00	1.49E+00	9.83E+00	1.20E-01	9.18E-02	1.15E+01	1.49E+00	1.13E-03	1.32E-03	2.69E-03	1.49E+00

546	489678.13	3861408.47	1.43E+00	9.66E-04	1.38E-03	2.85E-03	1.43E+00	1.49E+00	9.87E+00	1.26E-01	9.75E-02	1.16E+01	1.48E+00	1.13E-03	1.38E-03	2.85E-03	1.49E+00
547	489728.13	3861408.47	1.41E+00	9.78E-04	1.46E-03	2.77E-03	1.41E+00	1.47E+00	9.99E+00	1.33E-01	9.46E-02	1.17E+01	1.46E+00	1.14E-03	1.46E-03	2.77E-03	1.47E+00
548	489528.13	3861458.47	1.53E+00	9.54E-04	1.20E-03	2.32E-03	1.53E+00	1.59E+00	9.74E+00	1.10E-01	7.94E-02	1.15E+01	1.59E+00	1.12E-03	1.20E-03	2.32E-03	1.59E+00
549	489578.13	3861458.47	1.49E+00	9.46E-04	1.24E-03	2.40E-03	1.49E+00	1.55E+00	9.66E+00	1.13E-01	8.20E-02	1.14E+01	1.55E+00	1.11E-03	1.24E-03	2.40E-03	1.56E+00
550	489628.13	3861458.47	1.43E+00	9.38E-04	1.27E-03	2.50E-03	1.44E+00	1.49E+00	9.59E+00	1.16E-01	8.54E-02	1.13E+01	1.49E+00	1.10E-03	1.27E-03	2.50E-03	1.49E+00
551	489678.13	3861458.47	1.40E+00	9.42E-04	1.33E-03	2.57E-03	1.40E+00	1.46E+00	9.62E+00	1.21E-01	8.80E-02	1.13E+01	1.46E+00	1.10E-03	1.33E-03	2.57E-03	1.46E+00
552	489728.13	3861458.47	1.39E+00	9.40E-04	1.44E-03	2.70E-03	1.39E+00	1.45E+00	9.61E+00	1.31E-01	9.23E-02	1.13E+01	1.44E+00	1.10E-03	1.44E-03	2.70E-03	1.45E+00
553	489528.13	3861508.47	1.51E+00	9.35E-04	1.18E-03	2.14E-03	1.51E+00	1.57E+00	9.56E+00	1.07E-01	7.32E-02	1.13E+01	1.57E+00	1.09E-03	1.18E-03	2.14E-03	1.58E+00
554	489578.13	3861508.47	1.51E+00	9.32E-04	1.22E-03	2.24E-03	1.51E+00	1.57E+00	9.52E+00	1.11E-01	7.64E-02	1.13E+01	1.57E+00	1.09E-03	1.22E-03	2.24E-03	1.57E+00
555	489628.13	3861508.47	1.44E+00	9.23E-04	1.26E-03	2.30E-03	1.44E+00	1.50E+00	9.43E+00	1.15E-01	7.86E-02	1.11E+01	1.50E+00	1.08E-03	1.26E-03	2.30E-03	1.50E+00
556	489678.13	3861508.47	1.40E+00	9.18E-04	1.27E-03	2.40E-03	1.40E+00	1.46E+00	9.38E+00	1.16E-01	8.21E-02	1.10E+01	1.46E+00	1.07E-03	1.27E-03	2.40E-03	1.46E+00
557	489728.13	3861508.47	1.38E+00	9.22E-04	1.34E-03	2.47E-03	1.38E+00	1.43E+00	9.42E+00	1.22E-01	8.46E-02	1.11E+01	1.43E+00	1.08E-03	1.34E-03	2.47E-03	1.44E+00
558	489628.13	3861558.47	1.48E+00	9.12E-04	1.23E-03	2.16E-03	1.48E+00	1.54E+00	9.32E+00	1.12E-01	7.39E-02	1.10E+01	1.54E+00	1.07E-03	1.23E-03	2.16E-03	1.54E+00
559	489678.13	3861558.47	1.41E+00	9.06E-04	1.24E-03	2.22E-03	1.41E+00	1.47E+00	9.25E+00	1.13E-01	7.60E-02	1.09E+01	1.46E+00	1.06E-03	1.24E-03	2.22E-03	1.47E+00
560	489728.13	3861558.47	1.38E+00	9.03E-04	1.29E-03	2.31E-03	1.38E+00	1.44E+00	9.22E+00	1.17E-01	7.89E-02	1.09E+01	1.43E+00	1.06E-03	1.29E-03	2.31E-03	1.44E+00
561	489357.08	3861015.81	1.60E+00	1.21E-03	1.39E-03	3.87E-03	1.60E+00	1.67E+00	1.24E+01	1.27E-01	1.32E-01	1.43E+01	1.66E+00	1.42E-03	1.39E-03	3.87E-03	1.67E+00
562	489407.08	3861015.81	1.60E+00	1.19E-03	1.44E-03	3.77E-03	1.61E+00	1.67E+00	1.22E+01	1.32E-01	1.29E-01	1.41E+01	1.67E+00	1.40E-03	1.44E-03	3.77E-03	1.67E+00
563	489457.08	3861015.81	1.59E+00	1.18E-03	1.57E-03	3.50E-03	1.60E+00	1.66E+00	1.20E+01	1.44E-01	1.20E-01	1.39E+01	1.66E+00	1.38E-03	1.57E-03	3.50E-03	1.66E+00
564	489357.08	3861065.81	1.60E+00	1.18E-03	1.35E-03	3.96E-03	1.61E+00	1.67E+00	1.20E+01	1.23E-01	1.35E-01	1.40E+01	1.67E+00	1.38E-03	1.35E-03	3.96E-03	1.68E+00
565	489407.08	3861065.81	1.58E+00	1.18E-03	1.39E-03	3.70E-03	1.58E+00	1.65E+00	1.20E+01	1.26E-01	1.27E-01	1.39E+01	1.64E+00	1.38E-03	1.39E-03	3.70E-03	1.65E+00
566	489457.08	3861065.81	1.56E+00	1.16E-03	1.47E-03	3.62E-03	1.56E+00	1.62E+00	1.18E+01	1.34E-01	1.24E-01	1.37E+01	1.62E+00	1.35E-03	1.47E-03	3.62E-03	1.63E+00
567	489357.08	3861115.81	1.61E+00	1.13E-03	1.34E-03	3.78E-03	1.62E+00	1.68E+00	1.16E+01	1.22E-01	1.29E-01	1.35E+01	1.68E+00	1.32E-03	1.34E-03	3.78E-03	1.69E+00
568	489407.08	3861115.81	1.57E+00	1.14E-03	1.37E-03	3.78E-03	1.58E+00	1.64E+00	1.17E+01	1.25E-01	1.29E-01	1.36E+01	1.64E+00	1.34E-03	1.37E-03	3.78E-03	1.64E+00
569	489457.08	3861115.81	1.56E+00	1.14E-03	1.39E-03	3.53E-03	1.57E+00	1.63E+00	1.17E+01	1.27E-01	1.21E-01	1.36E+01	1.63E+00	1.34E-03	1.39E-03	3.53E-03	1.63E+00
570	489407.08	3861165.81	1.59E+00	1.10E-03	1.31E-03	3.60E-03	1.59E+00	1.66E+00	1.12E+01	1.19E-01	1.23E-01	1.31E+01	1.65E+00	1.29E-03	1.31E-03	3.60E-03	1.66E+00
571	489457.08	3861165.81	1.54E+00	1.11E-03	1.35E-03	3.57E-03	1.54E+00	1.61E+00	1.14E+01	1.23E-01	1.22E-01	1.32E+01	1.60E+00	1.30E-03	1.35E-03	3.57E-03	1.61E+00
572	489407.08	3861215.81	1.61E+00	1.05E-03	1.29E-03	3.21E-03	1.61E+00	1.68E+00	1.08E+01	1.18E-01	1.10E-01	1.27E+01	1.68E+00	1.23E-03	1.29E-03	3.21E-03	1.68E+00
573	489457.08	3861215.81	1.53E+00	1.06E-03	1.33E-03	3.39E-03	1.54E+00	1.60E+00	1.08E+01	1.21E-01	1.16E-01	1.27E+01	1.60E+00	1.24E-03	1.33E-03	3.39E-03	1.60E+00
574	489407.08	3861265.81	1.61E+00	1.03E-03	1.26E-03	2.88E-03	1.61E+00	1.68E+00	1.05E+01	1.15E-01	9.85E-02	1.24E+01	1.68E+00	1.21E-03	1.26E-03	2.88E-03	1.68E+00
575	489457.08	3861265.81	1.54E+00	1.02E-03	1.27E-03	3.02E-03	1.55E+00	1.61E+00	1.04E+01	1.15E-01	1.03E-01	1.22E+01	1.61E+00	1.19E-03	1.27E-03	3.02E-03	1.61E+00
576	489309.86	3861110.14	1.69E+00	1.12E-03	1.29E-03	3.67E-03	1.70E+00	1.76E+00	1.15E+01	1.18E-01	1.26E-01	1.35E+01	1.76E+00	1.32E-03	1.29E-03	3.67E-03	1.77E+00
577	489407.08	3861315.81	1.57E+00	1.02E-03	1.22E-03	2.66E-03	1.58E+00	1.64E+00	1.04E+01	1.11E-01	9.08E-02	1.22E+01	1.64E+00	1.19E-03	1.22E-03	2.66E-03	1.65E+00
578	489457.08	3861315.81	1.58E+00	1.01E-03	1.25E-03	2.76E-03	1.59E+00	1.65E+00	1.03E+01	1.14E-01	9.43E-02	1.21E+01	1.65E+00	1.18E-03	1.25E-03	2.76E-03	1.65E+00
579	488906.03	3861006.75	1.67E+00	1.23E-03	1.32E-03	3.26E-03	1.67E+00	1.74E+00	1.25E+01	1.20E-01	1.12E-01	1.45E+01	1.73E+00	1.44E-03	1.32E-03	3.26E-03	1.74E+00
580	488956.03	3861006.75	1.69E+00	1.24E-03	1.31E-03	3.24E-03	1.69E+00	1.76E+00	1.27E+01	1.20E-01	1.11E-01	1.47E+01	1.76E+00	1.45E-03	1.31E-03	3.24E-03	1.76E+00
581	488904.24	3861051.87	1.66E+00	1.20E-03	1.32E-03	3.08E-03	1.67E+00	1.73E+00	1.22E+01	1.21E-01	1.05E-01	1.42E+01	1.73E+00	1.40E-03	1.32E-03	3.08E-03	1.74E+00
582	488954.24	3861051.87	1.67E+00	1.20E-03	1.30E-03	3.02E-03	1.67E+00	1.74E+00	1.23E+01	1.19E-01	1.03E-01	1.42E+01	1.73E+00	1.40E-03	1.30E-03	3.02E-03	1.74E+00
583	489004.24	3861051.87	1.70E+00	1.21E-03	1.30E-03	3.09E-03	1.70E+00	1.77E+00	1.24E+01	1.19E-01	1.06E-01	1.43E+01	1.77E+00	1.41E-03	1.30E-03	3.09E-03	1.77E+00
584	488804.24	3861101.87	1.55E+00	1.14E-03	1.36E-03	2.72E-03	1.56E+00	1.62E+00	1.17E+01	1.24E-01	9.31E-02	1.35E+01	1.61E+00	1.34E-03	1.36E-03	2.72E-03	1.62E+00
585	488854.24	3861101.87	1.57E+00	1.14E-03	1.37E-03	2.74E-03	1.58E+00	1.64E+00	1.16E+01	1.25E-01	9.37E-02	1.35E+01	1.64E+00	1.33E-03	1.37E-03	2.74E-03	1.64E+00
586	488904.24	3861101.87	1.60E+00	1.13E-03	1.32E-03	2.72E-03	1.60E+00	1.66E+00	1.16E+01	1.21E-01	9.30E-02	1.34E+01	1.66E+00	1.32E-03	1.32E-03	2.72E-03	1.67E+00
587	488954.24	3861101.87	1.62E+00	1.14E-03	1.28E-03	2.88E-03	1.62E+00	1.69E+00	1.16E+01	1.17E-01	9.84E-02	1.35E+01	1.68E+00	1.33E-03	1.28E-03	2.88E-03	1.69E+00
588	489004.24	3861101.87	1.62E+00	1.15E-03	1.27E-03	2.79E-03	1.63E+00	1.69E+00	1.17E+01	1.16E-01	9.56E-02	1.36E+01	1.69E+00	1.34E-03	1.27E-03	2.79E-03	1.70E+00
589	488804.24	3861151.87	1.50E+00	1.09E-03	1.33E-03	2.40E-03	1.51E+00	1.57E+00	1.11E+01	1.22E-01	8.21E-02	1.29E+01	1.56E+00	1.27E-03	1.33E-03	2.40E-03	1.57E+00
590	488854.24	3861151.87	1.52E+00	1.08E-03	1.35E-03	2.48E-03	1.52E+00	1.59E+00	1.11E+01	1.23E-01	8.48E-02	1.29E+01	1.58E+00	1.27E-03	1.35E-03	2.48E-03	1.59E+00
591	489129.49	3861187.55	1.61E+00	1.09E-03	1.23E-03	2.57E-03	1.61E+00	1.68E+00	1.11E+01	1.12E-01	8.80E-02	1.30E+01	1.68E+00	1.27E-03	1.23E-03	2.57E-03	1.68E+00
592	489179.49	3861187.55	1.59E+00	1.08E-03	1.22E-03	2.72E-03	1.59E+00	1.66E+00	1.11E+01	1.11E-01	9.31E-02	1.29E+01	1.65E+00	1.27E-03	1.22E-03	2.72E-03	1.66E+00
593	488804.24	3861201.87	1.46E+00	1.05E-03	1.32E-03	2.19E-03	1.47E+00	1.53E+00	1.08E+01	1.20E-01	7.50E-02	1.25E+01	1.52E+00	1.23E-03	1.32E-03	2.19E-03	1.53E+00
594	488854.24	3861201.87	1.48E+00	1.05E-03	1.31E-03	2.30E-03	1.48E+00	1.54E+00	1.07E+01	1.20E-01	7.87E-02	1.24E+01	1.54E+00	1.23E-03	1.31E-03	2.30E-03	1.55E+00
595	489129.49	3861237.55	1.58E+00	1.05E-03	1.22E-03	2.39E-03	1.58E+00	1.65E+00	1.07E+01	1.11E-01	8.17E-02	1.25E+01	1.64E+00	1.22E-03	1.22E-03	2.39E-03	1.65E+00
596	489179.49	3861237.55	1.57E+00	1.06E-03	1.21E-03	2.48E-03	1.58E+00	1.64E+00	1.08E+01	1.10E-01	8.50E-02	1.26E+01	1.64E+00	1.24E-03	1.21E-03	2.48E-03	1.64E+00
597	488804.24	3861251.87	1.44E+00	1.01E-03	1.30E-03	1.99E-03	1.44E+00	1.50E+00	1.03E+01	1.19E-01	6.82E-02	1.20E+01	1.50E+00	1.18E-03	1.30E-03	1.99E-03	1.50E+00
598	488854.24	3861251.87	1.45E+00	1.02E-03	1.29E-03	2.05E-03	1.46E+00	1.52E+00	1.04E+01	1.18E-01	7.02E-02	1.21E+01	1.51E+00	1.19E-03	1.29E-03	2.05E-03	1.52E+00
599	488804.24	3861301.87	1.42E+00	9.56E-04	1.28E-03	1.85E-03	1.42E+00	1.48E+00	9.77E+00	1.17E-01	6.33E-02	1.14E+01	1.47E+00	1.12E-03	1.28E-03	1.85E-03	1.48E+00
600	488854.24	3861301.87	1.42E+00	9.76E-04	1.28E-03	1.94E-03	1.42E+00	1.48E+00	9.97E+00	1.17E-01	6.62E-02	1.16E+01	1.47E+00	1.14E-03	1.28E-03	1.94E-03	1.48E+00
601	490943.5	3860181.97	1.66E+00	6.49E-04	5.38E-03	5.81E-03	1.67E+00	1.73E+00	6.63E+00	4.91E-01	1.99E-01	9.05E+00	1.73E+00	7.59E-04	5.38E-03	5.81E-03	1.74E+00
602	490993.5	3860181.97	1.63E+00	6.37E-04	5.46E-03	5.78E-03	1.64E+00	1.70E+00	6.51E+00	4.98E-01	1.98E-01	8.90E+00	1.69E+00	7.45E-04	5.46E-03	5.78E-03	1.70E+00
603	491043.5	3860181.97	1.56E+00	6.29E-04	5.39E-03	5.74E-03	1.57E+00	1.63E+00	6.43E+00	4.92E-01	1.96E-01	8.74E+00	1.63E+00	7.36E-04	5.39E-03	5.74E-03	1.64E+00
604	491093.5	3860181.97	1.56E+00	6.23E-04	5.46E-03	5.67E-03	1.57E+00	1.62E+00	6.36E+00	4.98E-01	1.94E-01	8.68E+00	1.62E+00	7.28E-04	5.46E-03	5.67E-03	1.63E+00
605	490943.5	3860231.97	1.66E+00	6.64E-04	4.83E-03	5.92E-03	1.67E+00	1.73E+00	6.79E+00	4.41E-01	2.02E-01	9.16E+00	1.72E+00	7.77E-04	4.83E-03	5.92E-03	1.74E+00
606	490993.5	3860231.97	1.64E+00	6.54E-04	5.19E-03	5.90E-03	1.65E+00	1.71E+00	6.68E+00	4.73E-01	2.02E-01	9.06E+00	1.71E+00	7.65E-04	5.19E-03	5.90E-03	1.72E+00

607	491043.5	3860231.97	1.62E+00	6.35E-04	5.25E-03	5.79E-03	1.63E+00	1.69E+00	6.49E+00	4.79E-01	1.98E-01	8.85E+00	1.68E+00	7.43E-04	5.25E-03	5.79E-03	1.70E+00
608	491093.5	3860231.97	1.54E+00	6.20E-04	5.27E-03	5.70E-03	1.55E+00	1.61E+00	6.34E+00	4.80E-01	1.95E-01	8.62E+00	1.61E+00	7.26E-04	5.27E-03	5.70E-03	1.62E+00
609	490943.5	3860281.97	1.62E+00	6.72E-04	4.51E-03	5.81E-03	1.63E+00	1.69E+00	6.86E+00	4.11E-01	1.99E-01	9.16E+00	1.69E+00	7.86E-04	4.51E-03	5.81E-03	1.70E+00
610	490993.5	3860281.97	1.63E+00	6.63E-04	4.60E-03	5.83E-03	1.64E+00	1.70E+00	6.78E+00	4.20E-01	1.99E-01	9.10E+00	1.70E+00	7.76E-04	4.60E-03	5.83E-03	1.71E+00
611	491043.5	3860281.97	1.60E+00	6.49E-04	4.93E-03	5.78E-03	1.61E+00	1.67E+00	6.63E+00	4.50E-01	1.98E-01	8.94E+00	1.67E+00	7.59E-04	4.93E-03	5.78E-03	1.68E+00
612	491093.5	3860281.97	1.59E+00	6.37E-04	5.05E-03	5.72E-03	1.61E+00	1.66E+00	6.50E+00	4.61E-01	1.96E-01	8.82E+00	1.66E+00	7.45E-04	5.05E-03	5.72E-03	1.67E+00
613	490943.5	3860331.97	1.61E+00	6.69E-04	4.36E-03	5.73E-03	1.62E+00	1.68E+00	6.83E+00	3.97E-01	1.96E-01	9.11E+00	1.68E+00	7.83E-04	4.36E-03	5.73E-03	1.69E+00
614	490993.5	3860331.97	1.59E+00	6.62E-04	4.33E-03	5.65E-03	1.60E+00	1.65E+00	6.76E+00	3.94E-01	1.93E-01	9.01E+00	1.65E+00	7.75E-04	4.33E-03	5.65E-03	1.66E+00
615	491043.5	3860331.97	1.60E+00	6.53E-04	4.42E-03	5.61E-03	1.61E+00	1.67E+00	6.68E+00	4.03E-01	1.92E-01	8.94E+00	1.67E+00	7.65E-04	4.42E-03	5.61E-03	1.68E+00
616	491093.5	3860331.97	1.57E+00	6.45E-04	4.65E-03	5.56E-03	1.58E+00	1.64E+00	6.59E+00	4.24E-01	1.90E-01	8.84E+00	1.63E+00	7.54E-04	4.65E-03	5.56E-03	1.64E+00
617	490086.72	3859935.12	2.29E+00	8.77E-04	4.49E-03	7.38E-03	2.30E+00	2.39E+00	8.96E+00	4.10E-01	2.52E-01	1.20E+01	2.38E+00	1.03E-03	4.49E-03	7.38E-03	2.39E+00
618	490136.72	3859935.12	2.30E+00	8.49E-04	4.87E-03	7.28E-03	2.31E+00	2.40E+00	8.68E+00	4.44E-01	2.49E-01	1.18E+01	2.39E+00	9.94E-04	4.87E-03	7.28E-03	2.41E+00
619	490186.72	3859935.12	2.24E+00	8.38E-04	5.50E-03	7.17E-03	2.25E+00	2.33E+00	8.56E+00	5.02E-01	2.45E-01	1.16E+01	2.33E+00	9.81E-04	5.50E-03	7.17E-03	2.34E+00
620	490236.72	3859935.12	2.17E+00	8.22E-04	5.95E-03	7.03E-03	2.18E+00	2.26E+00	8.40E+00	5.43E-01	2.40E-01	1.14E+01	2.26E+00	9.62E-04	5.95E-03	7.03E-03	2.27E+00
621	490286.72	3859935.12	2.08E+00	8.07E-04	5.89E-03	6.85E-03	2.09E+00	2.17E+00	8.24E+00	5.37E-01	2.34E-01	1.12E+01	2.17E+00	9.44E-04	5.89E-03	6.85E-03	2.18E+00
622	490336.72	3859935.12	2.04E+00	7.89E-04	5.61E-03	6.70E-03	2.06E+00	2.13E+00	8.06E+00	5.11E-01	2.29E-01	1.09E+01	2.13E+00	9.24E-04	5.61E-03	6.70E-03	2.14E+00
623	490386.72	3859935.12	1.96E+00	7.73E-04	5.66E-03	6.59E-03	1.98E+00	2.05E+00	7.90E+00	5.16E-01	2.25E-01	1.07E+01	2.04E+00	9.04E-04	5.66E-03	6.59E-03	2.06E+00
624	490436.72	3859935.12	1.89E+00	7.55E-04	5.87E-03	6.49E-03	1.91E+00	1.97E+00	7.72E+00	5.36E-01	2.22E-01	1.05E+01	1.97E+00	8.84E-04	5.87E-03	6.49E-03	1.98E+00
625	490486.72	3859935.12	1.84E+00	7.43E-04	5.87E-03	6.37E-03	1.86E+00	1.92E+00	7.59E+00	5.35E-01	2.18E-01	1.03E+01	1.92E+00	8.69E-04	5.87E-03	6.37E-03	1.93E+00
626	490536.72	3859935.12	1.84E+00	7.23E-04	6.02E-03	6.32E-03	1.86E+00	1.92E+00	7.39E+00	5.49E-01	2.16E-01	1.01E+01	1.92E+00	8.46E-04	6.02E-03	6.32E-03	1.93E+00
627	490586.72	3859935.12	1.84E+00	7.09E-04	6.29E-03	6.24E-03	1.85E+00	1.92E+00	7.24E+00	5.74E-01	2.13E-01	9.95E+00	1.92E+00	8.29E-04	6.29E-03	6.24E-03	1.93E+00
628	490636.72	3859935.12	1.84E+00	6.97E-04	6.28E-03	6.19E-03	1.85E+00	1.92E+00	7.12E+00	5.73E-01	2.12E-01	9.82E+00	1.92E+00	8.15E-04	6.28E-03	6.19E-03	1.93E+00
629	490686.72	3859935.12	1.80E+00	6.80E-04	6.28E-03	6.09E-03	1.81E+00	1.88E+00	6.95E+00	5.73E-01	2.08E-01	9.60E+00	1.87E+00	7.95E-04	6.28E-03	6.09E-03	1.89E+00
630	490736.72	3859935.12	1.73E+00	6.59E-04	6.19E-03	6.00E-03	1.74E+00	1.81E+00	6.73E+00	5.64E-01	2.05E-01	9.31E+00	1.80E+00	7.71E-04	6.19E-03	6.00E-03	1.82E+00
631	490086.72	3859985.12	2.24E+00	8.75E-04	4.78E-03	7.39E-03	2.26E+00	2.34E+00	8.94E+00	4.36E-01	2.53E-01	1.20E+01	2.34E+00	1.02E-03	4.78E-03	7.39E-03	2.35E+00
632	490136.72	3859985.12	2.25E+00	8.59E-04	4.30E-03	7.23E-03	2.26E+00	2.35E+00	8.77E+00	3.92E-01	2.47E-01	1.18E+01	2.35E+00	1.00E-03	4.30E-03	7.23E-03	2.36E+00
633	490186.72	3859985.12	2.27E+00	8.46E-04	4.72E-03	7.04E-03	2.28E+00	2.37E+00	8.64E+00	4.31E-01	2.41E-01	1.17E+01	2.36E+00	9.89E-04	4.72E-03	7.04E-03	2.37E+00
634	490236.72	3859985.12	2.21E+00	8.24E-04	5.25E-03	6.93E-03	2.22E+00	2.31E+00	8.42E+00	4.78E-01	2.37E-01	1.14E+01	2.30E+00	9.64E-04	5.25E-03	6.93E-03	2.31E+00
635	490286.72	3859985.12	2.15E+00	8.11E-04	5.72E-03	6.86E-03	2.16E+00	2.24E+00	8.29E+00	5.22E-01	2.34E-01	1.13E+01	2.24E+00	9.49E-04	5.72E-03	6.86E-03	2.25E+00
636	490336.72	3859985.12	2.07E+00	7.94E-04	5.68E-03	6.80E-03	2.08E+00	2.16E+00	8.11E+00	5.18E-01	2.33E-01	1.10E+01	2.15E+00	9.29E-04	5.68E-03	6.80E-03	2.17E+00
637	490386.72	3859985.12	2.01E+00	7.81E-04	5.41E-03	6.75E-03	2.02E+00	2.10E+00	7.98E+00	4.93E-01	2.31E-01	1.08E+01	2.09E+00	9.14E-04	5.41E-03	6.75E-03	2.11E+00
638	490436.72	3859985.12	1.94E+00	7.64E-04	5.46E-03	6.69E-03	1.95E+00	2.02E+00	7.81E+00	4.98E-01	2.29E-01	1.06E+01	2.02E+00	8.94E-04	5.46E-03	6.69E-03	2.03E+00
639	490486.72	3859985.12	1.87E+00	7.52E-04	5.58E-03	6.60E-03	1.88E+00	1.95E+00	7.68E+00	5.09E-01	2.26E-01	1.04E+01	1.95E+00	8.79E-04	5.58E-03	6.60E-03	1.96E+00
640	490536.72	3859985.12	1.83E+00	7.32E-04	5.59E-03	6.52E-03	1.84E+00	1.91E+00	7.48E+00	5.10E-01	2.23E-01	1.01E+01	1.91E+00	8.57E-04	5.59E-03	6.52E-03	1.92E+00
641	490586.72	3859985.12	1.80E+00	7.20E-04	5.74E-03	6.43E-03	1.82E+00	1.88E+00	7.35E+00	5.23E-01	2.20E-01	9.98E+00	1.88E+00	8.42E-04	5.74E-03	6.43E-03	1.89E+00
642	490636.72	3859985.12	1.81E+00	7.02E-04	5.94E-03	6.33E-03	1.82E+00	1.89E+00	7.17E+00	5.42E-01	2.17E-01	9.82E+00	1.88E+00	8.21E-04	5.94E-03	6.33E-03	1.90E+00
643	490686.72	3859985.12	1.82E+00	6.93E-04	6.34E-03	6.22E-03	1.83E+00	1.89E+00	7.08E+00	5.78E-01	2.13E-01	9.76E+00	1.89E+00	8.10E-04	6.34E-03	6.22E-03	1.90E+00
644	490736.72	3859985.12	1.79E+00	6.82E-04	6.04E-03	6.14E-03	1.80E+00	1.87E+00	6.96E+00	5.51E-01	2.10E-01	9.59E+00	1.86E+00	7.98E-04	6.04E-03	6.14E-03	1.88E+00
645	490786.72	3859985.12	1.71E+00	6.65E-04	6.04E-03	6.02E-03	1.73E+00	1.79E+00	6.80E+00	5.50E-01	2.06E-01	9.34E+00	1.79E+00	7.78E-04	6.04E-03	6.02E-03	1.80E+00
646	490086.72	3860035.12	2.28E+00	8.90E-04	4.93E-03	7.09E-03	2.29E+00	2.38E+00	9.10E+00	4.50E-01	2.43E-01	1.22E+01	2.37E+00	1.04E-03	4.93E-03	7.09E-03	2.39E+00
647	490136.72	3860035.12	2.21E+00	8.67E-04	4.64E-03	7.00E-03	2.22E+00	2.30E+00	8.86E+00	4.23E-01	2.39E-01	1.18E+01	2.30E+00	1.01E-03	4.64E-03	7.00E-03	2.31E+00
648	490186.72	3860035.12	2.22E+00	8.49E-04	4.13E-03	6.93E-03	2.23E+00	2.31E+00	8.68E+00	3.77E-01	2.37E-01	1.16E+01	2.31E+00	9.93E-04	4.13E-03	6.93E-03	2.32E+00
649	490236.72	3860035.12	2.23E+00	8.33E-04	4.55E-03	6.88E-03	2.25E+00	2.33E+00	8.51E+00	4.15E-01	2.35E-01	1.15E+01	2.33E+00	9.74E-04	4.55E-03	6.88E-03	2.34E+00
650	490286.72	3860035.12	2.18E+00	8.19E-04	4.98E-03	6.83E-03	2.20E+00	2.28E+00	8.37E+00	4.54E-01	2.33E-01	1.13E+01	2.27E+00	9.58E-04	4.98E-03	6.83E-03	2.29E+00
651	490336.72	3860035.12	2.12E+00	8.01E-04	5.51E-03	6.75E-03	2.14E+00	2.22E+00	8.18E+00	5.02E-01	2.31E-01	1.11E+01	2.21E+00	9.37E-04	5.51E-03	6.75E-03	2.22E+00
652	490386.72	3860035.12	2.05E+00	7.91E-04	5.46E-03	6.69E-03	2.06E+00	2.14E+00	8.08E+00	4.98E-01	2.29E-01	1.09E+01	2.14E+00	9.25E-04	5.46E-03	6.69E-03	2.15E+00
653	490436.72	3860035.12	1.99E+00	7.73E-04	5.25E-03	6.64E-03	2.00E+00	2.07E+00	7.89E+00	4.78E-01	2.27E-01	1.07E+01	2.07E+00	9.04E-04	5.25E-03	6.64E-03	2.08E+00
654	490486.72	3860035.12	1.91E+00	7.58E-04	5.22E-03	6.59E-03	1.93E+00	2.00E+00	7.74E+00	4.76E-01	2.25E-01	1.04E+01	1.99E+00	8.86E-04	5.22E-03	6.59E-03	2.01E+00
655	490536.72	3860035.12	1.85E+00	7.41E-04	5.31E-03	6.52E-03	1.87E+00	1.94E+00	7.57E+00	4.85E-01	2.23E-01	1.02E+01	1.93E+00	8.67E-04	5.31E-03	6.52E-03	1.94E+00
656	490586.72	3860035.12	1.81E+00	7.29E-04	5.43E-03	6.40E-03	1.82E+00	1.88E+00	7.45E+00	4.95E-01	2.19E-01	1.00E+01	1.88E+00	8.53E-04	5.43E-03	6.40E-03	1.89E+00
657	490636.72	3860035.12	1.76E+00	7.14E-04	5.47E-03	6.35E-03	1.78E+00	1.84E+00	7.29E+00	4.99E-01	2.17E-01	9.85E+00	1.84E+00	8.35E-04	5.47E-03	6.35E-03	1.85E+00
658	490686.72	3860035.12	1.78E+00	7.00E-04	5.62E-03	6.31E-03	1.79E+00	1.86E+00	7.15E+00	5.12E-01	2.16E-01	9.73E+00	1.85E+00	8.19E-04	5.62E-03	6.31E-03	1.86E+00
659	490736.72	3860035.12	1.77E+00	6.85E-04	6.04E-03	6.19E-03	1.78E+00	1.85E+00	7.00E+00	5.51E-01	2.12E-01	9.61E+00	1.84E+00	8.01E-04	6.04E-03	6.19E-03	1.86E+00
660	490786.72	3860035.12	1.77E+00	6.73E-04	5.91E-03	6.14E-03	1.78E+00	1.84E+00	6.88E+00	5.39E-01	2.10E-01	9.47E+00	1.84E+00	7.88E-04	5.91E-03	6.14E-03	1.85E+00
661	490836.72	3860035.12	1.69E+00	6.64E-04	5.81E-03	6.11E-03	1.71E+00	1.77E+00	6.78E+00	5.30E-01	2.09E-01	9.29E+00	1.76E+00	7.77E-04	5.81E-03	6.11E-03	1.78E+00
662	490086.72	3860085.12	2.27E+00	8.93E-04	4.25E-03	7.64E-03	2.28E+00	2.37E+00	9.13E+00	3.87E-01	2.61E-01	1.21E+01	2.36E+00	1.05E-03	4.25E-03	7.64E-03	2.38E+00
663	490136.72	3860085.12	2.25E+00	8.80E-04	4.70E-03	7.39E-03	2.27E+00	2.35E+00	8.99E+00	4.29E-01	2.53E-01	1.20E+01	2.35E+00	1.03E-03	4.70E-03	7.39E-03	2.36E+00
664	490186.72	3860085.12	2.17E+00	8.59E-04	4.47E-03	7.08E-03	2.19E+00	2.27E+00	8.77E+00	4.08E-01	2.42E-01	1.17E+01	2.26E+00	1.00E-03	4.47E-03	7.08E-03	2.28E+00
665	490236.72	3860085.12	2.18E+00	8.38E-04	4.02E-03	6.88E-03	2.19E+00	2.28E+00	8.57E+00	3.67E-01	2.35E-01	1.14E+01	2.27E+00	9.81E-04	4.02E-03	6.88E-03	2.28E+00
666	490286.72	3860085.12	2.19E+00	8.22E-04	4.40E-03	6.75E-03	2.20E+00	2.29E+00	8.39E+00	4.01E-01	2.31E-01	1.13E+01	2.28E+00	9.61E-04	4.40E-03	6.75E-03	2.29E+00
667	490336.72	3860085.12	2.16E+00	8.09E-04	4.77E-03	6.63E-03	2.17E+00	2.25E+00	8.26E+00	4.35E-01	2.27E-01	1.12E+01	2.25E+00	9.46E-04	4.77E-03	6.63E-03	2.26E+00

668	490386.72	3860085.12	2.10E+00	7.95E-04	5.30E-03	6.53E-03	2.11E+00	2.19E+00	8.12E+00	4.83E-01	2.23E-01	1.10E+01	2.18E+00	9.30E-04	5.30E-03	6.53E-03	2.20E+00
669	490436.72	3860085.12	2.03E+00	7.76E-04	5.27E-03	6.49E-03	2.04E+00	2.12E+00	7.93E+00	4.81E-01	2.22E-01	1.07E+01	2.11E+00	9.08E-04	5.27E-03	6.49E-03	2.13E+00
670	490486.72	3860085.12	1.95E+00	7.70E-04	5.13E-03	6.41E-03	1.96E+00	2.04E+00	7.87E+00	4.68E-01	2.19E-01	1.06E+01	2.03E+00	9.01E-04	5.13E-03	6.41E-03	2.04E+00
671	490536.72	3860085.12	1.89E+00	7.53E-04	4.96E-03	6.37E-03	1.91E+00	1.98E+00	7.69E+00	4.52E-01	2.18E-01	1.03E+01	1.97E+00	8.81E-04	4.96E-03	6.37E-03	1.98E+00
672	490586.72	3860085.12	1.83E+00	7.39E-04	5.09E-03	6.35E-03	1.84E+00	1.91E+00	7.55E+00	4.64E-01	2.17E-01	1.01E+01	1.91E+00	8.64E-04	5.09E-03	6.35E-03	1.92E+00
673	490636.72	3860085.12	1.78E+00	7.20E-04	5.23E-03	6.33E-03	1.79E+00	1.86E+00	7.36E+00	4.77E-01	2.16E-01	9.91E+00	1.85E+00	8.43E-04	5.23E-03	6.33E-03	1.87E+00
674	490686.72	3860085.12	1.73E+00	7.06E-04	5.22E-03	6.27E-03	1.74E+00	1.80E+00	7.21E+00	4.76E-01	2.14E-01	9.70E+00	1.80E+00	8.25E-04	5.22E-03	6.27E-03	1.81E+00
675	490736.72	3860085.12	1.76E+00	6.91E-04	5.34E-03	6.23E-03	1.77E+00	1.83E+00	7.06E+00	4.87E-01	2.13E-01	9.60E+00	1.83E+00	8.09E-04	5.34E-03	6.23E-03	1.84E+00
676	490786.72	3860085.12	1.74E+00	6.83E-04	5.65E-03	6.19E-03	1.75E+00	1.82E+00	6.98E+00	5.15E-01	2.12E-01	9.52E+00	1.81E+00	7.99E-04	5.65E-03	6.19E-03	1.83E+00
677	490836.72	3860085.12	1.73E+00	6.72E-04	5.88E-03	6.18E-03	1.75E+00	1.81E+00	6.86E+00	5.36E-01	2.11E-01	9.42E+00	1.81E+00	7.86E-04	5.88E-03	6.18E-03	1.82E+00
678	490086.72	3860135.12	2.18E+00	8.94E-04	3.51E-03	7.84E-03	2.19E+00	2.27E+00	9.14E+00	3.20E-01	2.68E-01	1.20E+01	2.27E+00	1.05E-03	3.51E-03	7.84E-03	2.28E+00
679	490136.72	3860135.12	2.22E+00	8.80E-04	4.14E-03	7.56E-03	2.24E+00	2.32E+00	8.99E+00	3.77E-01	2.59E-01	1.19E+01	2.32E+00	1.03E-03	4.14E-03	7.56E-03	2.33E+00
680	490186.72	3860135.12	2.22E+00	8.65E-04	4.49E-03	7.22E-03	2.24E+00	2.32E+00	8.83E+00	4.09E-01	2.47E-01	1.18E+01	2.32E+00	1.01E-03	4.49E-03	7.22E-03	2.33E+00
681	490236.72	3860135.12	2.13E+00	8.51E-04	4.29E-03	7.05E-03	2.15E+00	2.23E+00	8.69E+00	3.91E-01	2.41E-01	1.16E+01	2.22E+00	9.95E-04	4.29E-03	7.05E-03	2.23E+00
682	490286.72	3860135.12	2.14E+00	8.31E-04	3.89E-03	7.03E-03	2.16E+00	2.24E+00	8.49E+00	3.54E-01	2.40E-01	1.13E+01	2.23E+00	9.72E-04	3.89E-03	7.03E-03	2.24E+00
683	490336.72	3860135.12	2.15E+00	8.12E-04	4.24E-03	6.92E-03	2.16E+00	2.24E+00	8.30E+00	3.86E-01	2.37E-01	1.12E+01	2.24E+00	9.50E-04	4.24E-03	6.92E-03	2.25E+00
684	490386.72	3860135.12	2.13E+00	7.95E-04	4.58E-03	6.79E-03	2.14E+00	2.22E+00	8.13E+00	4.17E-01	2.32E-01	1.10E+01	2.22E+00	9.30E-04	4.58E-03	6.79E-03	2.23E+00
685	490436.72	3860135.12	2.07E+00	7.85E-04	5.11E-03	6.66E-03	2.08E+00	2.16E+00	8.02E+00	4.66E-01	2.28E-01	1.09E+01	2.15E+00	9.19E-04	5.11E-03	6.66E-03	2.17E+00
686	490486.72	3860135.12	2.01E+00	7.71E-04	5.10E-03	6.45E-03	2.02E+00	2.09E+00	7.88E+00	4.65E-01	2.21E-01	1.07E+01	2.09E+00	9.02E-04	5.10E-03	6.45E-03	2.10E+00
687	490536.72	3860135.12	1.92E+00	7.53E-04	4.99E-03	6.35E-03	1.93E+00	2.00E+00	7.69E+00	4.55E-01	2.17E-01	1.04E+01	2.00E+00	8.81E-04	4.99E-03	6.35E-03	2.01E+00
688	490586.72	3860135.12	1.87E+00	7.45E-04	4.75E-03	6.25E-03	1.89E+00	1.96E+00	7.62E+00	4.33E-01	2.14E-01	1.02E+01	1.95E+00	8.72E-04	4.75E-03	6.25E-03	1.96E+00
689	490636.72	3860135.12	1.80E+00	7.33E-04	4.95E-03	6.14E-03	1.81E+00	1.88E+00	7.49E+00	4.51E-01	2.10E-01	1.00E+01	1.88E+00	8.58E-04	4.95E-03	6.14E-03	1.89E+00
690	490686.72	3860135.12	1.75E+00	7.21E-04	4.99E-03	6.09E-03	1.76E+00	1.83E+00	7.36E+00	4.55E-01	2.08E-01	9.85E+00	1.82E+00	8.43E-04	4.99E-03	6.09E-03	1.84E+00
691	490736.72	3860135.12	1.70E+00	7.04E-04	4.99E-03	6.07E-03	1.72E+00	1.78E+00	7.19E+00	4.55E-01	2.08E-01	9.63E+00	1.77E+00	8.23E-04	4.99E-03	6.07E-03	1.79E+00
692	490786.72	3860135.12	1.73E+00	6.87E-04	5.10E-03	6.09E-03	1.75E+00	1.81E+00	7.02E+00	4.65E-01	2.08E-01	9.50E+00	1.80E+00	8.04E-04	5.10E-03	6.09E-03	1.82E+00
693	490836.72	3860135.12	1.71E+00	6.69E-04	5.30E-03	6.09E-03	1.72E+00	1.79E+00	6.83E+00	4.83E-01	2.08E-01	9.31E+00	1.78E+00	7.83E-04	5.30E-03	6.09E-03	1.79E+00
694	490086.72	3860185.12	2.18E+00	8.92E-04	3.01E-03	7.25E-03	2.19E+00	2.27E+00	9.12E+00	2.75E-01	2.48E-01	1.19E+01	2.27E+00	1.04E-03	3.01E-03	7.25E-03	2.28E+00
695	490136.72	3860185.12	2.14E+00	8.79E-04	3.46E-03	7.07E-03	2.16E+00	2.24E+00	8.98E+00	3.15E-01	2.42E-01	1.18E+01	2.23E+00	1.03E-03	3.46E-03	7.07E-03	2.24E+00
696	490186.72	3860185.12	2.19E+00	8.65E-04	4.02E-03	7.09E-03	2.20E+00	2.29E+00	8.84E+00	3.67E-01	2.43E-01	1.17E+01	2.28E+00	1.01E-03	4.02E-03	7.09E-03	2.29E+00
697	490236.72	3860185.12	2.19E+00	8.46E-04	4.28E-03	7.08E-03	2.20E+00	2.28E+00	8.65E+00	3.91E-01	2.42E-01	1.16E+01	2.28E+00	9.90E-04	4.28E-03	7.08E-03	2.29E+00
698	490286.72	3860185.12	2.10E+00	8.40E-04	4.11E-03	7.12E-03	2.11E+00	2.19E+00	8.58E+00	3.75E-01	2.44E-01	1.14E+01	2.19E+00	9.82E-04	4.11E-03	7.12E-03	2.20E+00
699	490336.72	3860185.12	2.10E+00	8.24E-04	3.75E-03	7.09E-03	2.11E+00	2.19E+00	8.42E+00	3.42E-01	2.43E-01	1.12E+01	2.19E+00	9.64E-04	3.75E-03	7.09E-03	2.20E+00
700	490386.72	3860185.12	2.10E+00	8.04E-04	4.08E-03	6.96E-03	2.11E+00	2.19E+00	8.22E+00	3.72E-01	2.38E-01	1.10E+01	2.19E+00	9.41E-04	4.08E-03	6.96E-03	2.20E+00
701	490436.72	3860185.12	2.10E+00	7.87E-04	4.39E-03	6.72E-03	2.11E+00	2.19E+00	8.04E+00	4.01E-01	2.30E-01	1.09E+01	2.18E+00	9.21E-04	4.39E-03	6.72E-03	2.19E+00
702	490486.72	3860185.12	2.04E+00	7.71E-04	4.92E-03	6.53E-03	2.05E+00	2.13E+00	7.87E+00	4.49E-01	2.23E-01	1.07E+01	2.13E+00	9.02E-04	4.92E-03	6.53E-03	2.14E+00
703	490536.72	3860185.12	1.98E+00	7.60E-04	4.93E-03	6.41E-03	2.00E+00	2.07E+00	7.77E+00	4.50E-01	2.19E-01	1.05E+01	2.07E+00	8.90E-04	4.93E-03	6.41E-03	2.08E+00
704	490586.72	3860185.12	1.90E+00	7.49E-04	4.84E-03	6.34E-03	1.91E+00	1.98E+00	7.65E+00	4.41E-01	2.17E-01	1.03E+01	1.98E+00	8.76E-04	4.84E-03	6.34E-03	1.99E+00
705	490636.72	3860185.12	1.85E+00	7.31E-04	4.56E-03	6.24E-03	1.87E+00	1.94E+00	7.47E+00	4.16E-01	2.13E-01	1.00E+01	1.93E+00	8.55E-04	4.56E-03	6.24E-03	1.94E+00
706	490686.72	3860185.12	1.78E+00	7.24E-04	4.77E-03	6.12E-03	1.79E+00	1.85E+00	7.40E+00	4.35E-01	2.09E-01	9.90E+00	1.85E+00	8.47E-04	4.77E-03	6.12E-03	1.86E+00
707	490736.72	3860185.12	1.73E+00	7.12E-04	4.77E-03	6.06E-03	1.74E+00	1.80E+00	7.27E+00	4.35E-01	2.07E-01	9.72E+00	1.80E+00	8.33E-04	4.77E-03	6.06E-03	1.81E+00
708	490786.72	3860185.12	1.68E+00	7.01E-04	4.81E-03	6.08E-03	1.69E+00	1.76E+00	7.16E+00	4.39E-01	2.08E-01	9.56E+00	1.75E+00	8.20E-04	4.81E-03	6.08E-03	1.76E+00
709	490836.72	3860185.12	1.69E+00	6.85E-04	4.88E-03	6.02E-03	1.70E+00	1.76E+00	7.00E+00	4.45E-01	2.06E-01	9.41E+00	1.76E+00	8.02E-04	4.88E-03	6.02E-03	1.77E+00
710	490086.72	3860235.12	2.14E+00	8.90E-04	2.66E-03	6.94E-03	2.15E+00	2.23E+00	9.09E+00	2.43E-01	2.37E-01	1.18E+01	2.22E+00	1.04E-03	2.66E-03	6.94E-03	2.23E+00
711	490136.72	3860235.12	2.15E+00	8.75E-04	2.91E-03	7.05E-03	2.16E+00	2.24E+00	8.94E+00	2.65E-01	2.41E-01	1.17E+01	2.23E+00	1.02E-03	2.91E-03	7.05E-03	2.25E+00
712	490186.72	3860235.12	2.11E+00	8.63E-04	3.41E-03	7.10E-03	2.12E+00	2.20E+00	8.82E+00	3.11E-01	2.43E-01	1.16E+01	2.20E+00	1.01E-03	3.41E-03	7.10E-03	2.21E+00
713	490236.72	3860235.12	2.15E+00	8.50E-04	3.86E-03	6.97E-03	2.17E+00	2.25E+00	8.69E+00	3.52E-01	2.38E-01	1.15E+01	2.24E+00	9.95E-04	3.86E-03	6.97E-03	2.26E+00
714	490286.72	3860235.12	2.15E+00	8.38E-04	4.10E-03	6.77E-03	2.17E+00	2.25E+00	8.57E+00	3.74E-01	2.32E-01	1.14E+01	2.24E+00	9.81E-04	4.10E-03	6.77E-03	2.25E+00
715	490336.72	3860235.12	2.07E+00	8.16E-04	3.94E-03	6.64E-03	2.08E+00	2.16E+00	8.34E+00	3.60E-01	2.27E-01	1.11E+01	2.15E+00	9.55E-04	3.94E-03	6.64E-03	2.16E+00
716	490386.72	3860235.12	2.06E+00	8.15E-04	3.68E-03	6.64E-03	2.07E+00	2.15E+00	8.32E+00	3.36E-01	2.27E-01	1.10E+01	2.15E+00	9.53E-04	3.68E-03	6.64E-03	2.16E+00
717	490436.72	3860235.12	2.06E+00	8.01E-04	3.94E-03	6.60E-03	2.07E+00	2.15E+00	8.18E+00	3.59E-01	2.26E-01	1.09E+01	2.15E+00	9.37E-04	3.94E-03	6.60E-03	2.16E+00
718	490486.72	3860235.12	2.07E+00	7.79E-04	4.23E-03	6.57E-03	2.08E+00	2.16E+00	7.96E+00	3.85E-01	2.25E-01	1.07E+01	2.15E+00	9.12E-04	4.23E-03	6.57E-03	2.16E+00
719	490536.72	3860235.12	2.02E+00	7.62E-04	4.73E-03	6.53E-03	2.03E+00	2.11E+00	7.79E+00	4.31E-01	2.23E-01	1.05E+01	2.10E+00	8.92E-04	4.73E-03	6.53E-03	2.11E+00
720	490586.72	3860235.12	1.96E+00	7.47E-04	4.78E-03	6.41E-03	1.98E+00	2.05E+00	7.63E+00	4.36E-01	2.19E-01	1.03E+01	2.05E+00	8.74E-04	4.78E-03	6.41E-03	2.06E+00
721	490636.72	3860235.12	1.87E+00	7.38E-04	4.68E-03	6.18E-03	1.89E+00	1.96E+00	7.53E+00	4.27E-01	2.11E-01	1.01E+01	1.95E+00	8.63E-04	4.68E-03	6.18E-03	1.96E+00
722	490686.72	3860235.12	1.84E+00	7.26E-04	4.38E-03	6.10E-03	1.85E+00	1.92E+00	7.42E+00	4.00E-01	2.09E-01	9.94E+00	1.91E+00	8.49E-04	4.38E-03	6.10E-03	1.92E+00
723	490736.72	3860235.12	1.76E+00	7.10E-04	4.56E-03	6.09E-03	1.77E+00	1.84E+00	7.25E+00	4.16E-01	2.08E-01	9.71E+00	1.83E+00	8.30E-04	4.56E-03	6.09E-03	1.85E+00
724	490786.72	3860235.12	1.71E+00	7.03E-04	4.63E-03	6.06E-03	1.72E+00	1.78E+00	7.19E+00	4.22E-01	2.07E-01	9.60E+00	1.78E+00	8.23E-04	4.63E-03	6.06E-03	1.79E+00
725	490086.72	3860285.12	2.03E+00	8.68E-04	2.40E-03	6.53E-03	2.04E+00	2.12E+00	8.86E+00	2.19E-01	2.23E-01	1.14E+01	2.12E+00	1.01E-03	2.40E-03	6.53E-03	2.13E+00
726	490136.72	3860285.12	2.10E+00	8.67E-04	2.59E-03	6.71E-03	2.11E+00	2.20E+00	8.86E+00	2.36E-01	2.30E-01	1.15E+01	2.19E+00	1.01E-03	2.59E-03	6.71E-03	2.20E+00
727	490186.72	3860285.12	2.11E+00	8.62E-04	2.84E-03	6.68E-03	2.12E+00	2.21E+00	8.81E+00	2.59E-01	2.29E-01	1.15E+01	2.20E+00	1.01E-03	2.84E-03	6.68E-03	2.21E+00
728	490236.72	3860285.12	2.08E+00	8.49E-04	3.37E-03	6.54E-03	2.09E+00	2.17E+00	8.68E+00	3.07E-01	2.24E-01	1.14E+01	2.16E+00	9.94E-04	3.37E-03	6.54E-03	2.17E+00

729	490286.72	3860285.12	2.12E+00	8.37E-04	3.71E-03	6.53E-03	2.13E+00	2.21E+00	8.55E+00	3.39E-01	2.23E-01	1.13E+01	2.21E+00	9.79E-04	3.71E-03	6.53E-03	2.22E+00
730	490336.72	3860285.12	2.12E+00	8.24E-04	3.94E-03	6.60E-03	2.13E+00	2.21E+00	8.42E+00	3.59E-01	2.26E-01	1.12E+01	2.21E+00	9.64E-04	3.94E-03	6.60E-03	2.22E+00
731	490386.72	3860285.12	2.04E+00	8.07E-04	3.79E-03	6.59E-03	2.05E+00	2.13E+00	8.25E+00	3.46E-01	2.25E-01	1.09E+01	2.12E+00	9.44E-04	3.79E-03	6.59E-03	2.13E+00
732	490436.72	3860285.12	2.02E+00	7.93E-04	3.58E-03	6.50E-03	2.03E+00	2.11E+00	8.10E+00	3.26E-01	2.22E-01	1.08E+01	2.10E+00	9.27E-04	3.58E-03	6.50E-03	2.11E+00
733	490486.72	3860285.12	2.02E+00	7.90E-04	3.80E-03	6.44E-03	2.04E+00	2.11E+00	8.07E+00	3.46E-01	2.20E-01	1.07E+01	2.11E+00	9.24E-04	3.80E-03	6.44E-03	2.12E+00
734	490536.72	3860285.12	2.04E+00	7.77E-04	4.07E-03	6.35E-03	2.05E+00	2.13E+00	7.93E+00	3.71E-01	2.17E-01	1.06E+01	2.12E+00	9.08E-04	4.07E-03	6.35E-03	2.13E+00
735	490586.72	3860285.12	1.99E+00	7.55E-04	4.50E-03	6.27E-03	2.00E+00	2.08E+00	7.71E+00	4.11E-01	2.15E-01	1.04E+01	2.08E+00	8.83E-04	4.50E-03	6.27E-03	2.09E+00
736	490636.72	3860285.12	1.95E+00	7.40E-04	4.63E-03	6.20E-03	1.96E+00	2.03E+00	7.56E+00	4.22E-01	2.12E-01	1.02E+01	2.03E+00	8.65E-04	4.63E-03	6.20E-03	2.04E+00
737	490686.72	3860285.12	1.85E+00	7.26E-04	4.53E-03	6.12E-03	1.86E+00	1.93E+00	7.42E+00	4.14E-01	2.09E-01	9.97E+00	1.92E+00	8.50E-04	4.53E-03	6.12E-03	1.93E+00
738	490736.72	3860285.12	1.81E+00	7.16E-04	4.25E-03	6.04E-03	1.82E+00	1.89E+00	7.31E+00	3.87E-01	2.07E-01	9.79E+00	1.88E+00	8.37E-04	4.25E-03	6.04E-03	1.89E+00
739	490786.72	3860285.12	1.75E+00	7.04E-04	4.37E-03	5.96E-03	1.76E+00	1.82E+00	7.19E+00	3.99E-01	2.04E-01	9.61E+00	1.82E+00	8.23E-04	4.37E-03	5.96E-03	1.83E+00
740	490086.72	3860335.12	2.01E+00	8.48E-04	2.36E-03	6.33E-03	2.02E+00	2.10E+00	8.67E+00	2.16E-01	2.17E-01	1.12E+01	2.10E+00	9.93E-04	2.36E-03	6.33E-03	2.11E+00
741	490136.72	3860335.12	2.00E+00	8.48E-04	2.34E-03	6.25E-03	2.01E+00	2.09E+00	8.66E+00	2.14E-01	2.14E-01	1.12E+01	2.08E+00	9.92E-04	2.34E-03	6.25E-03	2.09E+00
742	490186.72	3860335.12	2.07E+00	8.44E-04	2.51E-03	6.20E-03	2.08E+00	2.16E+00	8.63E+00	2.29E-01	2.12E-01	1.12E+01	2.16E+00	9.88E-04	2.51E-03	6.20E-03	2.17E+00
743	490236.72	3860335.12	2.08E+00	8.44E-04	2.80E-03	6.27E-03	2.09E+00	2.17E+00	8.62E+00	2.55E-01	2.15E-01	1.13E+01	2.17E+00	9.87E-04	2.80E-03	6.27E-03	2.18E+00
744	490286.72	3860335.12	2.04E+00	8.37E-04	3.33E-03	6.37E-03	2.05E+00	2.13E+00	8.55E+00	3.03E-01	2.18E-01	1.12E+01	2.12E+00	9.79E-04	3.33E-03	6.37E-03	2.13E+00
745	490336.72	3860335.12	2.08E+00	8.26E-04	3.58E-03	6.32E-03	2.09E+00	2.17E+00	8.44E+00	3.26E-01	2.16E-01	1.12E+01	2.17E+00	9.66E-04	3.58E-03	6.32E-03	2.18E+00
746	490386.72	3860335.12	2.09E+00	8.12E-04	3.78E-03	6.29E-03	2.10E+00	2.18E+00	8.30E+00	3.45E-01	2.15E-01	1.10E+01	2.18E+00	9.51E-04	3.78E-03	6.29E-03	2.19E+00
747	490436.72	3860335.12	2.01E+00	7.99E-04	3.64E-03	6.27E-03	2.02E+00	2.10E+00	8.17E+00	3.32E-01	2.14E-01	1.08E+01	2.09E+00	9.35E-04	3.64E-03	6.27E-03	2.10E+00
748	490486.72	3860335.12	1.98E+00	7.78E-04	3.47E-03	6.28E-03	1.99E+00	2.07E+00	7.94E+00	3.17E-01	2.15E-01	1.05E+01	2.06E+00	9.10E-04	3.47E-03	6.28E-03	2.07E+00
749	490536.72	3860335.12	1.99E+00	7.71E-04	3.66E-03	6.22E-03	2.00E+00	2.07E+00	7.87E+00	3.34E-01	2.13E-01	1.05E+01	2.07E+00	9.02E-04	3.66E-03	6.22E-03	2.08E+00
750	490586.72	3860335.12	2.01E+00	7.67E-04	3.92E-03	6.10E-03	2.02E+00	2.10E+00	7.83E+00	3.58E-01	2.09E-01	1.05E+01	2.09E+00	8.97E-04	3.92E-03	6.10E-03	2.10E+00
751	490636.72	3860335.12	1.97E+00	7.53E-04	4.32E-03	6.02E-03	1.98E+00	2.05E+00	7.70E+00	3.94E-01	2.06E-01	1.03E+01	2.05E+00	8.81E-04	4.32E-03	6.02E-03	2.06E+00
752	490686.72	3860335.12	1.92E+00	7.33E-04	4.48E-03	6.05E-03	1.94E+00	2.01E+00	7.49E+00	4.08E-01	2.07E-01	1.01E+01	2.00E+00	8.58E-04	4.48E-03	6.05E-03	2.01E+00
753	490736.72	3860335.12	1.83E+00	7.19E-04	4.39E-03	6.05E-03	1.84E+00	1.91E+00	7.35E+00	4.01E-01	2.07E-01	9.87E+00	1.91E+00	8.41E-04	4.39E-03	6.05E-03	1.92E+00
754	490786.72	3860335.12	1.78E+00	7.08E-04	4.14E-03	6.04E-03	1.79E+00	1.86E+00	7.23E+00	3.77E-01	2.07E-01	9.67E+00	1.85E+00	8.28E-04	4.14E-03	6.04E-03	1.86E+00
755	490086.72	3860385.12	2.00E+00	8.40E-04	2.31E-03	6.21E-03	2.01E+00	2.09E+00	8.58E+00	2.11E-01	2.12E-01	1.11E+01	2.09E+00	9.83E-04	2.31E-03	6.21E-03	2.10E+00
756	490136.72	3860385.12	1.98E+00	8.39E-04	2.32E-03	6.22E-03	1.99E+00	2.07E+00	8.58E+00	2.11E-01	2.13E-01	1.11E+01	2.06E+00	9.82E-04	2.32E-03	6.22E-03	2.07E+00
757	490186.72	3860385.12	1.96E+00	8.33E-04	2.29E-03	6.15E-03	1.97E+00	2.05E+00	8.51E+00	2.09E-01	2.10E-01	1.10E+01	2.04E+00	9.75E-04	2.29E-03	6.15E-03	2.05E+00
758	490236.72	3860385.12	2.04E+00	8.24E-04	2.44E-03	6.04E-03	2.05E+00	2.13E+00	8.41E+00	2.23E-01	2.07E-01	1.10E+01	2.12E+00	9.63E-04	2.44E-03	6.04E-03	2.13E+00
759	490286.72	3860385.12	2.04E+00	8.20E-04	2.77E-03	6.02E-03	2.05E+00	2.13E+00	8.38E+00	2.52E-01	2.06E-01	1.10E+01	2.13E+00	9.60E-04	2.77E-03	6.02E-03	2.14E+00
760	490336.72	3860385.12	2.00E+00	8.23E-04	3.29E-03	6.05E-03	2.01E+00	2.09E+00	8.40E+00	3.00E-01	2.07E-01	1.10E+01	2.09E+00	9.62E-04	3.29E-03	6.05E-03	2.10E+00
761	490386.72	3860385.12	2.05E+00	8.13E-04	3.45E-03	6.04E-03	2.06E+00	2.14E+00	8.30E+00	3.15E-01	2.07E-01	1.10E+01	2.13E+00	9.51E-04	3.45E-03	6.04E-03	2.14E+00
762	490436.72	3860385.12	2.06E+00	8.02E-04	3.63E-03	5.94E-03	2.07E+00	2.15E+00	8.19E+00	3.32E-01	2.03E-01	1.09E+01	2.15E+00	9.38E-04	3.63E-03	5.94E-03	2.16E+00
763	490486.72	3860385.12	1.98E+00	7.87E-04	3.50E-03	5.95E-03	1.99E+00	2.07E+00	8.04E+00	3.19E-01	2.04E-01	1.06E+01	2.06E+00	9.21E-04	3.50E-03	5.95E-03	2.08E+00
764	490536.72	3860385.12	1.94E+00	7.72E-04	3.37E-03	5.93E-03	1.95E+00	2.03E+00	7.89E+00	3.07E-01	2.03E-01	1.04E+01	2.02E+00	9.03E-04	3.37E-03	5.93E-03	2.03E+00
765	490586.72	3860385.12	1.95E+00	7.52E-04	3.54E-03	5.93E-03	1.96E+00	2.04E+00	7.69E+00	3.22E-01	2.03E-01	1.02E+01	2.03E+00	8.80E-04	3.54E-03	5.93E-03	2.04E+00
766	490636.72	3860385.12	1.98E+00	7.50E-04	3.78E-03	5.88E-03	1.99E+00	2.06E+00	7.66E+00	3.45E-01	2.01E-01	1.03E+01	2.06E+00	8.77E-04	3.78E-03	5.88E-03	2.07E+00
767	490686.72	3860385.12	1.94E+00	7.46E-04	4.15E-03	5.88E-03	1.95E+00	2.03E+00	7.62E+00	3.78E-01	2.01E-01	1.02E+01	2.02E+00	8.73E-04	4.15E-03	5.88E-03	2.03E+00
768	490736.72	3860385.12	1.90E+00	7.31E-04	4.33E-03	5.81E-03	1.91E+00	1.98E+00	7.47E+00	3.95E-01	1.99E-01	1.00E+01	1.97E+00	8.56E-04	4.33E-03	5.81E-03	1.98E+00
769	490786.72	3860385.12	1.82E+00	7.12E-04	4.26E-03	5.76E-03	1.83E+00	1.90E+00	7.27E+00	3.88E-01	1.97E-01	9.76E+00	1.90E+00	8.33E-04	4.26E-03	5.76E-03	1.91E+00
770	490136.72	3860435.12	1.97E+00	8.27E-04	2.26E-03	6.02E-03	1.98E+00	2.06E+00	8.45E+00	2.07E-01	2.06E-01	1.09E+01	2.05E+00	9.68E-04	2.26E-03	6.02E-03	2.06E+00
771	490186.72	3860435.12	1.94E+00	8.16E-04	2.27E-03	5.98E-03	1.95E+00	2.03E+00	8.34E+00	2.07E-01	2.04E-01	1.08E+01	2.02E+00	9.55E-04	2.27E-03	5.98E-03	2.03E+00
772	490236.72	3860435.12	1.93E+00	8.17E-04	2.24E-03	5.98E-03	1.94E+00	2.01E+00	8.34E+00	2.05E-01	2.05E-01	1.08E+01	2.01E+00	9.56E-04	2.24E-03	5.98E-03	2.02E+00
773	490286.72	3860435.12	2.00E+00	8.17E-04	2.38E-03	6.01E-03	2.01E+00	2.08E+00	8.35E+00	2.17E-01	2.05E-01	1.09E+01	2.08E+00	9.56E-04	2.38E-03	6.01E-03	2.09E+00
774	490336.72	3860435.12	2.01E+00	8.07E-04	2.73E-03	5.95E-03	2.02E+00	2.10E+00	8.24E+00	2.49E-01	2.04E-01	1.08E+01	2.09E+00	9.44E-04	2.73E-03	5.95E-03	2.10E+00
775	490386.72	3860435.12	1.97E+00	8.04E-04	3.19E-03	5.98E-03	1.98E+00	2.05E+00	8.21E+00	2.91E-01	2.04E-01	1.08E+01	2.05E+00	9.40E-04	3.19E-03	5.98E-03	2.06E+00
776	490436.72	3860435.12	2.02E+00	7.98E-04	3.34E-03	5.93E-03	2.03E+00	2.10E+00	8.15E+00	3.04E-01	2.03E-01	1.08E+01	2.10E+00	9.34E-04	3.34E-03	5.93E-03	2.11E+00
777	490486.72	3860435.12	2.03E+00	7.89E-04	3.50E-03	5.89E-03	2.04E+00	2.12E+00	8.06E+00	3.19E-01	2.01E-01	1.07E+01	2.12E+00	9.23E-04	3.50E-03	5.89E-03	2.13E+00
778	490536.72	3860435.12	1.95E+00	7.79E-04	3.37E-03	5.84E-03	1.96E+00	2.04E+00	7.95E+00	3.08E-01	2.00E-01	1.05E+01	2.03E+00	9.11E-04	3.37E-03	5.84E-03	2.04E+00
779	490586.72	3860435.12	1.90E+00	7.65E-04	3.26E-03	5.83E-03	1.91E+00	1.99E+00	7.81E+00	2.97E-01	1.99E-01	1.03E+01	1.98E+00	8.95E-04	3.26E-03	5.83E-03	1.99E+00
780	490636.72	3860435.12	1.92E+00	7.45E-04	3.41E-03	5.81E-03	1.93E+00	2.00E+00	7.62E+00	3.11E-01	1.99E-01	1.01E+01	2.00E+00	8.72E-04	3.41E-03	5.81E-03	2.01E+00
781	490686.72	3860435.12	1.94E+00	7.32E-04	3.65E-03	5.80E-03	1.95E+00	2.02E+00	7.48E+00	3.33E-01	1.98E-01	1.00E+01	2.02E+00	8.57E-04	3.65E-03	5.80E-03	2.03E+00
782	490736.72	3860435.12	1.91E+00	7.29E-04	3.99E-03	5.79E-03	1.92E+00	1.99E+00	7.45E+00	3.64E-01	1.98E-01	1.00E+01	1.99E+00	8.53E-04	3.99E-03	5.79E-03	2.00E+00
783	490786.72	3860435.12	1.87E+00	7.25E-04	4.19E-03	5.80E-03	1.88E+00	1.95E+00	7.41E+00	3.82E-01	1.98E-01	9.94E+00	1.94E+00	8.49E-04	4.19E-03	5.80E-03	1.96E+00
784	490136.72	3860485.12	2.00E+00	8.42E-04	2.16E-03	5.78E-03	2.01E+00	2.08E+00	8.60E+00	1.97E-01	1.98E-01	1.11E+01	2.08E+00	9.85E-04	2.16E-03	5.78E-03	2.09E+00
785	490186.72	3860485.12	1.94E+00	8.20E-04	2.22E-03	5.82E-03	1.95E+00	2.03E+00	8.38E+00	2.02E-01	1.99E-01	1.08E+01	2.02E+00	9.60E-04	2.22E-03	5.82E-03	2.03E+00
786	490236.72	3860485.12	1.91E+00	8.00E-04	2.22E-03	5.68E-03	1.92E+00	1.99E+00	8.17E+00	2.02E-01	1.94E-01	1.06E+01	1.99E+00	9.36E-04	2.22E-03	5.68E-03	2.00E+00
787	490286.72	3860485.12	1.89E+00	7.98E-04	2.20E-03	5.75E-03	1.90E+00	1.97E+00	8.16E+00	2.00E-01	1.97E-01	1.05E+01	1.97E+00	9.34E-04	2.20E-03	5.75E-03	1.98E+00
788	490336.72	3860485.12	1.96E+00	7.96E-04	2.35E-03	5.86E-03	1.97E+00	2.04E+00	8.13E+00	2.14E-01	2.00E-01	1.06E+01	2.04E+00	9.31E-04	2.35E-03	5.86E-03	2.05E+00
789	490386.72	3860485.12	1.97E+00	7.94E-04	2.71E-03	5.90E-03	1.98E+00	2.06E+00	8.11E+00	2.47E-01	2.02E-01	1.06E+01	2.06E+00	9.29E-04	2.71E-03	5.90E-03	2.07E+00

790	490436.72	3860485.12	1.94E+00	7.84E-04	3.07E-03	5.80E-03	1.95E+00	2.02E+00	8.01E+00	2.80E-01	1.98E-01	1.05E+01	2.02E+00	9.17E-04	3.07E-03	5.80E-03	2.03E+00
791	490486.72	3860485.12	1.98E+00	7.83E-04	3.23E-03	5.88E-03	1.99E+00	2.07E+00	8.00E+00	2.94E-01	2.01E-01	1.06E+01	2.07E+00	9.16E-04	3.23E-03	5.88E-03	2.08E+00
792	490536.72	3860485.12	2.00E+00	7.76E-04	3.37E-03	5.83E-03	2.01E+00	2.09E+00	7.93E+00	3.07E-01	1.99E-01	1.05E+01	2.09E+00	9.08E-04	3.37E-03	5.83E-03	2.10E+00
793	490586.72	3860485.12	1.93E+00	7.68E-04	3.26E-03	5.82E-03	1.94E+00	2.01E+00	7.84E+00	2.97E-01	1.99E-01	1.03E+01	2.01E+00	8.98E-04	3.26E-03	5.82E-03	2.02E+00
794	490636.72	3860485.12	1.87E+00	7.56E-04	3.16E-03	5.77E-03	1.88E+00	1.95E+00	7.73E+00	2.89E-01	1.97E-01	1.02E+01	1.94E+00	8.85E-04	3.16E-03	5.77E-03	1.95E+00
795	490686.72	3860485.12	1.88E+00	7.41E-04	3.30E-03	5.77E-03	1.89E+00	1.96E+00	7.58E+00	3.01E-01	1.97E-01	1.00E+01	1.96E+00	8.67E-04	3.30E-03	5.77E-03	1.97E+00
796	490736.72	3860485.12	1.90E+00	7.22E-04	3.53E-03	5.79E-03	1.91E+00	1.98E+00	7.38E+00	3.22E-01	1.98E-01	9.88E+00	1.98E+00	8.45E-04	3.53E-03	5.79E-03	1.99E+00
797	490786.72	3860485.12	1.87E+00	7.15E-04	3.83E-03	5.81E-03	1.88E+00	1.96E+00	7.30E+00	3.49E-01	1.99E-01	9.81E+00	1.95E+00	8.36E-04	3.83E-03	5.81E-03	1.96E+00
798	490136.72	3860535.12	1.86E+00	8.39E-04	2.12E-03	5.57E-03	1.87E+00	1.94E+00	8.57E+00	1.93E-01	1.90E-01	1.09E+01	1.93E+00	9.82E-04	2.12E-03	5.57E-03	1.94E+00
799	490186.72	3860535.12	1.97E+00	8.31E-04	2.16E-03	5.59E-03	1.98E+00	2.06E+00	8.49E+00	1.97E-01	1.91E-01	1.09E+01	2.05E+00	9.72E-04	2.16E-03	5.59E-03	2.06E+00
800	490236.72	3860535.12	1.91E+00	8.09E-04	2.18E-03	5.45E-03	1.92E+00	1.99E+00	8.26E+00	1.98E-01	1.86E-01	1.06E+01	1.99E+00	9.46E-04	2.18E-03	5.45E-03	2.00E+00
801	490286.72	3860535.12	1.87E+00	7.93E-04	2.17E-03	5.48E-03	1.88E+00	1.96E+00	8.11E+00	1.98E-01	1.87E-01	1.04E+01	1.95E+00	9.28E-04	2.17E-03	5.48E-03	1.96E+00
802	490336.72	3860535.12	1.85E+00	7.79E-04	2.15E-03	5.44E-03	1.86E+00	1.93E+00	7.95E+00	1.96E-01	1.86E-01	1.03E+01	1.93E+00	9.11E-04	2.15E-03	5.44E-03	1.94E+00
803	490386.72	3860535.12	1.92E+00	7.78E-04	2.33E-03	5.56E-03	1.93E+00	2.01E+00	7.95E+00	2.13E-01	1.90E-01	1.04E+01	2.00E+00	9.10E-04	2.33E-03	5.56E-03	2.01E+00
804	490436.72	3860535.12	1.94E+00	7.76E-04	2.70E-03	5.68E-03	1.95E+00	2.03E+00	7.93E+00	2.46E-01	1.94E-01	1.04E+01	2.02E+00	9.08E-04	2.70E-03	5.68E-03	2.03E+00
805	490486.72	3860535.12	1.91E+00	7.65E-04	2.97E-03	5.74E-03	1.92E+00	1.99E+00	7.82E+00	2.70E-01	1.96E-01	1.03E+01	1.99E+00	8.95E-04	2.97E-03	5.74E-03	2.00E+00
806	490536.72	3860535.12	1.96E+00	7.59E-04	3.12E-03	5.72E-03	1.97E+00	2.04E+00	7.75E+00	2.85E-01	1.96E-01	1.03E+01	2.04E+00	8.88E-04	3.12E-03	5.72E-03	2.05E+00
807	490586.72	3860535.12	1.97E+00	7.62E-04	3.24E-03	5.62E-03	1.98E+00	2.06E+00	7.79E+00	2.96E-01	1.92E-01	1.03E+01	2.06E+00	8.92E-04	3.24E-03	5.62E-03	2.07E+00
808	490636.72	3860535.12	1.90E+00	7.54E-04	3.15E-03	5.70E-03	1.91E+00	1.99E+00	7.71E+00	2.87E-01	1.95E-01	1.02E+01	1.98E+00	8.82E-04	3.15E-03	5.70E-03	1.99E+00
809	490686.72	3860535.12	1.83E+00	7.46E-04	3.07E-03	5.80E-03	1.84E+00	1.91E+00	7.62E+00	2.80E-01	1.98E-01	1.00E+01	1.91E+00	8.73E-04	3.07E-03	5.80E-03	1.92E+00
810	490736.72	3860535.12	1.85E+00	7.33E-04	3.19E-03	5.77E-03	1.86E+00	1.93E+00	7.49E+00	2.91E-01	1.97E-01	9.91E+00	1.92E+00	8.58E-04	3.19E-03	5.77E-03	1.93E+00
811	490786.72	3860535.12	1.86E+00	7.17E-04	3.41E-03	5.71E-03	1.87E+00	1.94E+00	7.32E+00	3.11E-01	1.95E-01	9.77E+00	1.94E+00	8.39E-04	3.41E-03	5.71E-03	1.95E+00
812	490136.72	3860585.12	1.82E+00	8.23E-04	2.16E-03	5.29E-03	1.82E+00	1.90E+00	8.41E+00	1.97E-01	1.81E-01	1.07E+01	1.89E+00	9.63E-04	2.16E-03	5.29E-03	1.90E+00
813	490186.72	3860585.12	1.82E+00	8.10E-04	2.04E-03	5.19E-03	1.83E+00	1.90E+00	8.28E+00	1.86E-01	1.78E-01	1.05E+01	1.89E+00	9.48E-04	2.04E-03	5.19E-03	1.90E+00
814	490236.72	3860585.12	1.93E+00	8.01E-04	2.14E-03	5.22E-03	1.94E+00	2.01E+00	8.18E+00	1.95E-01	1.79E-01	1.06E+01	2.01E+00	9.37E-04	2.14E-03	5.22E-03	2.02E+00
815	490286.72	3860585.12	1.88E+00	7.88E-04	2.13E-03	5.37E-03	1.89E+00	1.96E+00	8.05E+00	1.94E-01	1.83E-01	1.04E+01	1.96E+00	9.22E-04	2.13E-03	5.37E-03	1.96E+00
816	490336.72	3860585.12	1.84E+00	7.75E-04	2.13E-03	5.24E-03	1.85E+00	1.92E+00	7.91E+00	1.94E-01	1.79E-01	1.02E+01	1.92E+00	9.06E-04	2.13E-03	5.24E-03	1.93E+00
817	490386.72	3860585.12	1.82E+00	7.63E-04	2.11E-03	5.23E-03	1.83E+00	1.90E+00	7.79E+00	1.92E-01	1.79E-01	1.01E+01	1.89E+00	8.93E-04	2.11E-03	5.23E-03	1.90E+00
818	490436.72	3860585.12	1.89E+00	7.58E-04	2.32E-03	5.34E-03	1.90E+00	1.98E+00	7.74E+00	2.12E-01	1.83E-01	1.01E+01	1.97E+00	8.87E-04	2.32E-03	5.34E-03	1.98E+00
819	490486.72	3860585.12	1.92E+00	7.51E-04	2.69E-03	5.43E-03	1.93E+00	2.00E+00	7.67E+00	2.46E-01	1.86E-01	1.01E+01	2.00E+00	8.78E-04	2.69E-03	5.43E-03	2.01E+00
820	490536.72	3860585.12	1.88E+00	7.51E-04	2.87E-03	5.53E-03	1.89E+00	1.96E+00	7.67E+00	2.62E-01	1.89E-01	1.01E+01	1.96E+00	8.78E-04	2.87E-03	5.53E-03	1.97E+00
821	490586.72	3860585.12	1.92E+00	7.41E-04	3.02E-03	5.47E-03	1.93E+00	2.00E+00	7.57E+00	2.75E-01	1.87E-01	1.00E+01	2.00E+00	8.66E-04	3.02E-03	5.47E-03	2.01E+00
822	490636.72	3860585.12	1.94E+00	7.39E-04	3.13E-03	5.52E-03	1.95E+00	2.03E+00	7.55E+00	2.86E-01	1.89E-01	1.01E+01	2.02E+00	8.65E-04	3.13E-03	5.52E-03	2.03E+00
823	490686.72	3860585.12	1.88E+00	7.41E-04	3.05E-03	5.46E-03	1.89E+00	1.96E+00	7.57E+00	2.78E-01	1.87E-01	9.99E+00	1.96E+00	8.66E-04	3.05E-03	5.46E-03	1.97E+00
824	490736.72	3860585.12	1.80E+00	7.34E-04	2.98E-03	5.55E-03	1.81E+00	1.88E+00	7.49E+00	2.72E-01	1.90E-01	9.83E+00	1.87E+00	8.58E-04	2.98E-03	5.55E-03	1.88E+00
825	490786.72	3860585.12	1.81E+00	7.25E-04	3.14E-03	5.63E-03	1.82E+00	1.89E+00	7.41E+00	2.87E-01	1.92E-01	9.78E+00	1.89E+00	8.49E-04	3.14E-03	5.63E-03	1.90E+00
826	490136.72	3860635.12	1.70E+00	8.24E-04	2.12E-03	5.24E-03	1.70E+00	1.77E+00	8.42E+00	1.93E-01	1.79E-01	1.06E+01	1.77E+00	9.64E-04	2.12E-03	5.24E-03	1.77E+00
827	490186.72	3860635.12	1.79E+00	8.11E-04	2.07E-03	5.12E-03	1.80E+00	1.87E+00	8.29E+00	1.89E-01	1.75E-01	1.05E+01	1.86E+00	9.49E-04	2.07E-03	5.12E-03	1.87E+00
828	490236.72	3860635.12	1.79E+00	7.97E-04	1.97E-03	5.03E-03	1.80E+00	1.87E+00	8.14E+00	1.80E-01	1.72E-01	1.04E+01	1.87E+00	9.32E-04	1.97E-03	5.03E-03	1.87E+00
829	490286.72	3860635.12	1.90E+00	7.88E-04	2.10E-03	4.97E-03	1.90E+00	1.98E+00	8.06E+00	1.91E-01	1.70E-01	1.04E+01	1.97E+00	9.22E-04	2.10E-03	4.97E-03	1.98E+00
830	490336.72	3860635.12	1.84E+00	7.79E-04	2.09E-03	5.01E-03	1.85E+00	1.92E+00	7.95E+00	1.91E-01	1.71E-01	1.02E+01	1.92E+00	9.11E-04	2.09E-03	5.01E-03	1.93E+00
831	490386.72	3860635.12	1.81E+00	7.60E-04	2.09E-03	5.11E-03	1.82E+00	1.89E+00	7.76E+00	1.90E-01	1.75E-01	1.00E+01	1.88E+00	8.89E-04	2.09E-03	5.11E-03	1.89E+00
832	490436.72	3860635.12	1.79E+00	7.51E-04	2.07E-03	5.09E-03	1.79E+00	1.86E+00	7.67E+00	1.89E-01	1.74E-01	9.90E+00	1.86E+00	8.78E-04	2.07E-03	5.09E-03	1.87E+00
833	490486.72	3860635.12	1.85E+00	7.44E-04	2.30E-03	5.06E-03	1.86E+00	1.93E+00	7.60E+00	2.10E-01	1.73E-01	9.92E+00	1.93E+00	8.70E-04	2.30E-03	5.06E-03	1.94E+00
834	490536.72	3860635.12	1.88E+00	7.35E-04	2.66E-03	5.16E-03	1.88E+00	1.96E+00	7.51E+00	2.42E-01	1.76E-01	9.89E+00	1.95E+00	8.60E-04	2.66E-03	5.16E-03	1.96E+00
835	490586.72	3860635.12	1.84E+00	7.33E-04	2.78E-03	5.18E-03	1.85E+00	1.92E+00	7.49E+00	2.53E-01	1.77E-01	9.84E+00	1.91E+00	8.58E-04	2.78E-03	5.18E-03	1.92E+00
836	490636.72	3860635.12	1.88E+00	7.30E-04	2.92E-03	5.16E-03	1.89E+00	1.97E+00	7.46E+00	2.67E-01	1.76E-01	9.87E+00	1.96E+00	8.54E-04	2.92E-03	5.16E-03	1.97E+00
837	490686.72	3860635.12	1.91E+00	7.21E-04	3.03E-03	5.20E-03	1.92E+00	1.99E+00	7.36E+00	2.77E-01	1.78E-01	9.81E+00	1.99E+00	8.43E-04	3.03E-03	5.20E-03	2.00E+00
838	490736.72	3860635.12	1.85E+00	7.23E-04	2.97E-03	5.24E-03	1.86E+00	1.93E+00	7.39E+00	2.70E-01	1.79E-01	9.77E+00	1.93E+00	8.46E-04	2.97E-03	5.24E-03	1.94E+00
839	490786.72	3860635.12	1.76E+00	7.21E-04	2.89E-03	5.28E-03	1.77E+00	1.84E+00	7.37E+00	2.64E-01	1.81E-01	9.65E+00	1.84E+00	8.44E-04	2.89E-03	5.28E-03	1.85E+00
840	490136.72	3860685.12	1.63E+00	8.43E-04	2.05E-03	4.69E-03	1.64E+00	1.70E+00	8.61E+00	1.87E-01	1.61E-01	1.07E+01	1.70E+00	9.86E-04	2.05E-03	4.69E-03	1.71E+00
841	490186.72	3860685.12	1.67E+00	8.20E-04	2.08E-03	4.84E-03	1.68E+00	1.75E+00	8.37E+00	1.89E-01	1.65E-01	1.05E+01	1.74E+00	9.59E-04	2.08E-03	4.84E-03	1.75E+00
842	490236.72	3860685.12	1.76E+00	8.03E-04	2.00E-03	4.81E-03	1.77E+00	1.84E+00	8.20E+00	1.82E-01	1.64E-01	1.04E+01	1.84E+00	9.39E-04	2.00E-03	4.81E-03	1.84E+00
843	490286.72	3860685.12	1.76E+00	7.83E-04	1.93E-03	4.70E-03	1.77E+00	1.83E+00	8.00E+00	1.76E-01	1.61E-01	1.02E+01	1.83E+00	9.16E-04	1.93E-03	4.70E-03	1.84E+00
844	490336.72	3860685.12	1.87E+00	7.77E-04	2.06E-03	4.75E-03	1.87E+00	1.95E+00	7.94E+00	1.88E-01	1.63E-01	1.02E+01	1.94E+00	9.10E-04	2.06E-03	4.75E-03	1.95E+00
845	490386.72	3860685.12	1.81E+00	7.69E-04	2.05E-03	4.74E-03	1.82E+00	1.89E+00	7.86E+00	1.87E-01	1.62E-01	1.01E+01	1.89E+00	9.00E-04	2.05E-03	4.74E-03	1.89E+00
846	490436.72	3860685.12	1.78E+00	7.55E-04	2.04E-03	4.78E-03	1.78E+00	1.85E+00	7.71E+00	1.86E-01	1.64E-01	9.92E+00	1.85E+00	8.83E-04	2.04E-03	4.78E-03	1.86E+00
847	490486.72	3860685.12	1.75E+00	7.41E-04	2.02E-03	4.84E-03	1.76E+00	1.83E+00	7.57E+00	1.85E-01	1.66E-01	9.75E+00	1.82E+00	8.67E-04	2.02E-03	4.84E-03	1.83E+00
848	490536.72	3860685.12	1.82E+00	7.27E-04	2.29E-03	4.80E-03	1.83E+00	1.90E+00	7.43E+00	2.09E-01	1.64E-01	9.70E+00	1.89E+00	8.51E-04	2.29E-03	4.80E-03	1.90E+00
849	490586.72	3860685.12	1.84E+00	7.21E-04	2.58E-03	4.84E-03	1.85E+00	1.92E+00	7.36E+00	2.36E-01	1.65E-01	9.68E+00	1.91E+00	8.43E-04	2.58E-03	4.84E-03	1.92E+00
850	490636.72	3860685.12	1.81E+00	7.16E-04	2.69E-03	4.95E-03	1.81E+00	1.88E+00	7.32E+00	2.46E-01	1.69E-01	9.62E+00	1.88E+00	8.38E-04	2.69E-03	4.95E-03	1.89E+00

851	490686.72	3860685.12	1.85E+00	7.16E-04	2.84E-03	4.96E-03	1.86E+00	1.93E+00	7.31E+00	2.59E-01	1.70E-01	9.67E+00	1.92E+00	8.38E-04	2.84E-03	4.96E-03	1.93E+00
852	490736.72	3860685.12	1.88E+00	7.11E-04	2.94E-03	4.97E-03	1.88E+00	1.96E+00	7.26E+00	2.68E-01	1.70E-01	9.66E+00	1.95E+00	8.32E-04	2.94E-03	4.97E-03	1.96E+00
853	490786.72	3860685.12	1.83E+00	7.06E-04	2.89E-03	5.05E-03	1.84E+00	1.91E+00	7.21E+00	2.64E-01	1.73E-01	9.55E+00	1.90E+00	8.26E-04	2.89E-03	5.05E-03	1.91E+00
854	490136.72	3860735.12	1.67E+00	8.40E-04	1.83E-03	4.58E-03	1.68E+00	1.74E+00	8.58E+00	1.67E-01	1.57E-01	1.06E+01	1.74E+00	9.82E-04	1.83E-03	4.58E-03	1.75E+00
855	490186.72	3860735.12	1.58E+00	8.27E-04	2.01E-03	4.46E-03	1.58E+00	1.65E+00	8.45E+00	1.83E-01	1.53E-01	1.04E+01	1.64E+00	9.68E-04	2.01E-03	4.46E-03	1.65E+00
856	490236.72	3860735.12	1.62E+00	8.12E-04	2.00E-03	4.46E-03	1.63E+00	1.70E+00	8.30E+00	1.82E-01	1.53E-01	1.03E+01	1.69E+00	9.50E-04	2.00E-03	4.46E-03	1.70E+00
857	490286.72	3860735.12	1.72E+00	7.91E-04	1.92E-03	4.44E-03	1.73E+00	1.80E+00	8.08E+00	1.75E-01	1.52E-01	1.02E+01	1.79E+00	9.25E-04	1.92E-03	4.44E-03	1.80E+00
858	490336.72	3860735.12	1.73E+00	7.67E-04	1.92E-03	4.38E-03	1.74E+00	1.80E+00	7.83E+00	1.75E-01	1.50E-01	9.96E+00	1.80E+00	8.97E-04	1.92E-03	4.38E-03	1.81E+00
859	490386.72	3860735.12	1.83E+00	7.59E-04	2.02E-03	4.46E-03	1.84E+00	1.91E+00	7.76E+00	1.84E-01	1.53E-01	1.00E+01	1.91E+00	8.88E-04	2.02E-03	4.46E-03	1.92E+00
860	490436.72	3860735.12	1.79E+00	7.54E-04	2.01E-03	4.52E-03	1.79E+00	1.86E+00	7.71E+00	1.84E-01	1.55E-01	9.91E+00	1.86E+00	8.83E-04	2.01E-03	4.52E-03	1.87E+00
861	490486.72	3860735.12	1.75E+00	7.45E-04	2.01E-03	4.54E-03	1.76E+00	1.83E+00	7.61E+00	1.83E-01	1.55E-01	9.77E+00	1.82E+00	8.71E-04	2.01E-03	4.54E-03	1.83E+00
862	490536.72	3860735.12	1.72E+00	7.24E-04	1.99E-03	4.52E-03	1.73E+00	1.79E+00	7.40E+00	1.82E-01	1.55E-01	9.53E+00	1.79E+00	8.47E-04	1.99E-03	4.52E-03	1.80E+00
863	490586.72	3860735.12	1.78E+00	7.17E-04	2.27E-03	4.56E-03	1.79E+00	1.86E+00	7.32E+00	2.07E-01	1.56E-01	9.55E+00	1.86E+00	8.38E-04	2.27E-03	4.56E-03	1.87E+00
864	490636.72	3860735.12	1.81E+00	7.08E-04	2.52E-03	4.54E-03	1.81E+00	1.88E+00	7.23E+00	2.29E-01	1.55E-01	9.50E+00	1.88E+00	8.28E-04	2.52E-03	4.54E-03	1.89E+00
865	490686.72	3860735.12	1.77E+00	7.02E-04	2.61E-03	4.65E-03	1.78E+00	1.85E+00	7.18E+00	2.38E-01	1.59E-01	9.42E+00	1.84E+00	8.22E-04	2.61E-03	4.65E-03	1.85E+00
866	490736.72	3860735.12	1.81E+00	7.02E-04	2.75E-03	4.71E-03	1.82E+00	1.89E+00	7.17E+00	2.50E-01	1.61E-01	9.47E+00	1.88E+00	8.21E-04	2.75E-03	4.71E-03	1.89E+00
867	490136.72	3860785.12	1.69E+00	8.54E-04	1.68E-03	4.08E-03	1.69E+00	1.76E+00	8.73E+00	1.53E-01	1.39E-01	1.08E+01	1.76E+00	9.99E-04	1.68E-03	4.08E-03	1.76E+00
868	490186.72	3860785.12	1.63E+00	8.33E-04	1.83E-03	4.17E-03	1.64E+00	1.70E+00	8.51E+00	1.67E-01	1.42E-01	1.05E+01	1.70E+00	9.74E-04	1.83E-03	4.17E-03	1.70E+00
869	490236.72	3860785.12	1.54E+00	8.18E-04	1.98E-03	4.15E-03	1.54E+00	1.60E+00	8.36E+00	1.80E-01	1.42E-01	1.03E+01	1.60E+00	9.57E-04	1.98E-03	4.15E-03	1.61E+00
870	490286.72	3860785.12	1.60E+00	8.06E-04	1.92E-03	4.08E-03	1.60E+00	1.67E+00	8.24E+00	1.75E-01	1.39E-01	1.02E+01	1.66E+00	9.43E-04	1.92E-03	4.08E-03	1.67E+00
871	490336.72	3860785.12	1.69E+00	7.87E-04	1.85E-03	4.15E-03	1.70E+00	1.76E+00	8.05E+00	1.69E-01	1.42E-01	1.01E+01	1.76E+00	9.21E-04	1.85E-03	4.15E-03	1.77E+00
872	490386.72	3860785.12	1.70E+00	7.62E-04	1.91E-03	4.14E-03	1.71E+00	1.77E+00	7.79E+00	1.74E-01	1.41E-01	9.88E+00	1.77E+00	8.92E-04	1.91E-03	4.14E-03	1.78E+00
873	490436.72	3860785.12	1.80E+00	7.45E-04	1.98E-03	4.11E-03	1.81E+00	1.88E+00	7.61E+00	1.81E-01	1.41E-01	9.81E+00	1.88E+00	8.71E-04	1.98E-03	4.11E-03	1.88E+00
874	490486.72	3860785.12	1.75E+00	7.37E-04	1.97E-03	4.21E-03	1.76E+00	1.83E+00	7.53E+00	1.80E-01	1.44E-01	9.68E+00	1.82E+00	8.62E-04	1.97E-03	4.21E-03	1.83E+00
875	490536.72	3860785.12	1.72E+00	7.29E-04	1.97E-03	4.26E-03	1.72E+00	1.79E+00	7.45E+00	1.79E-01	1.46E-01	9.57E+00	1.79E+00	8.53E-04	1.97E-03	4.26E-03	1.79E+00
876	490586.72	3860785.12	1.68E+00	7.14E-04	1.99E-03	4.27E-03	1.69E+00	1.76E+00	7.29E+00	1.81E-01	1.46E-01	9.38E+00	1.75E+00	8.35E-04	1.99E-03	4.27E-03	1.76E+00
877	490636.72	3860785.12	1.75E+00	7.07E-04	2.26E-03	4.31E-03	1.75E+00	1.82E+00	7.22E+00	2.06E-01	1.47E-01	9.40E+00	1.82E+00	8.27E-04	2.26E-03	4.31E-03	1.83E+00
878	490686.72	3860785.12	1.78E+00	6.97E-04	2.45E-03	4.34E-03	1.78E+00	1.85E+00	7.12E+00	2.24E-01	1.49E-01	9.34E+00	1.85E+00	8.15E-04	2.45E-03	4.34E-03	1.86E+00
879	490736.72	3860785.12	1.74E+00	6.92E-04	2.54E-03	4.37E-03	1.75E+00	1.82E+00	7.07E+00	2.32E-01	1.49E-01	9.26E+00	1.81E+00	8.09E-04	2.54E-03	4.37E-03	1.82E+00
880	490086.72	3860835.12	1.73E+00	8.99E-04	1.67E-03	3.66E-03	1.73E+00	1.80E+00	9.18E+00	1.53E-01	1.25E-01	1.13E+01	1.80E+00	1.05E-03	1.67E-03	3.66E-03	1.80E+00
881	490136.72	3860835.12	1.72E+00	8.77E-04	1.66E-03	3.70E-03	1.72E+00	1.79E+00	8.96E+00	1.52E-01	1.27E-01	1.10E+01	1.79E+00	1.03E-03	1.66E-03	3.70E-03	1.80E+00
882	490186.72	3860835.12	1.65E+00	8.51E-04	1.65E-03	3.77E-03	1.66E+00	1.72E+00	8.70E+00	1.51E-01	1.29E-01	1.07E+01	1.72E+00	9.96E-04	1.65E-03	3.77E-03	1.73E+00
883	490236.72	3860835.12	1.60E+00	8.30E-04	1.84E-03	3.84E-03	1.60E+00	1.67E+00	8.48E+00	1.68E-01	1.31E-01	1.04E+01	1.66E+00	9.71E-04	1.84E-03	3.84E-03	1.67E+00
884	490286.72	3860835.12	1.51E+00	8.12E-04	1.94E-03	3.92E-03	1.52E+00	1.57E+00	8.29E+00	1.77E-01	1.34E-01	1.02E+01	1.57E+00	9.50E-04	1.94E-03	3.92E-03	1.58E+00
885	490336.72	3860835.12	1.57E+00	8.01E-04	1.86E-03	3.82E-03	1.58E+00	1.64E+00	8.18E+00	1.69E-01	1.31E-01	1.01E+01	1.64E+00	9.37E-04	1.86E-03	3.82E-03	1.64E+00
886	490386.72	3860835.12	1.66E+00	7.83E-04	1.79E-03	3.79E-03	1.67E+00	1.73E+00	8.00E+00	1.63E-01	1.30E-01	1.00E+01	1.73E+00	9.16E-04	1.79E-03	3.79E-03	1.73E+00
887	490436.72	3860835.12	1.67E+00	7.59E-04	1.89E-03	3.89E-03	1.67E+00	1.74E+00	7.76E+00	1.72E-01	1.33E-01	9.80E+00	1.74E+00	8.88E-04	1.89E-03	3.89E-03	1.74E+00
888	490486.72	3860835.12	1.77E+00	7.42E-04	1.95E-03	3.90E-03	1.78E+00	1.85E+00	7.58E+00	1.77E-01	1.33E-01	9.74E+00	1.84E+00	8.68E-04	1.95E-03	3.90E-03	1.85E+00
889	490536.72	3860835.12	1.71E+00	7.26E-04	1.93E-03	3.96E-03	1.72E+00	1.79E+00	7.41E+00	1.76E-01	1.35E-01	9.51E+00	1.78E+00	8.49E-04	1.93E-03	3.96E-03	1.79E+00
890	490586.72	3860835.12	1.68E+00	7.16E-04	1.93E-03	4.05E-03	1.69E+00	1.75E+00	7.31E+00	1.76E-01	1.38E-01	9.38E+00	1.75E+00	8.37E-04	1.93E-03	4.05E-03	1.76E+00
891	490636.72	3860835.12	1.65E+00	7.09E-04	1.98E-03	4.09E-03	1.66E+00	1.72E+00	7.24E+00	1.81E-01	1.40E-01	9.28E+00	1.72E+00	8.29E-04	1.98E-03	4.09E-03	1.73E+00
892	490686.72	3860835.12	1.72E+00	6.94E-04	2.26E-03	4.09E-03	1.72E+00	1.79E+00	7.09E+00	2.06E-01	1.40E-01	9.23E+00	1.79E+00	8.12E-04	2.26E-03	4.09E-03	1.80E+00
893	490736.72	3860835.12	1.75E+00	6.90E-04	2.39E-03	4.17E-03	1.76E+00	1.83E+00	7.05E+00	2.18E-01	1.43E-01	9.24E+00	1.82E+00	8.08E-04	2.39E-03	4.17E-03	1.83E+00
894	490086.72	3860885.12	1.71E+00	9.30E-04	1.64E-03	3.53E-03	1.72E+00	1.79E+00	9.51E+00	1.49E-01	1.21E-01	1.16E+01	1.78E+00	1.09E-03	1.64E-03	3.53E-03	1.79E+00
895	490136.72	3860885.12	1.70E+00	8.95E-04	1.64E-03	3.52E-03	1.71E+00	1.77E+00	9.15E+00	1.50E-01	1.21E-01	1.12E+01	1.77E+00	1.05E-03	1.64E-03	3.52E-03	1.78E+00
896	490186.72	3860885.12	1.69E+00	8.69E-04	1.63E-03	3.49E-03	1.70E+00	1.76E+00	8.88E+00	1.49E-01	1.19E-01	1.09E+01	1.76E+00	1.02E-03	1.63E-03	3.49E-03	1.77E+00
897	490236.72	3860885.12	1.62E+00	8.47E-04	1.64E-03	3.54E-03	1.62E+00	1.69E+00	8.65E+00	1.50E-01	1.21E-01	1.06E+01	1.68E+00	9.90E-04	1.64E-03	3.54E-03	1.69E+00
898	490286.72	3860885.12	1.56E+00	8.28E-04	1.85E-03	3.58E-03	1.57E+00	1.63E+00	8.46E+00	1.69E-01	1.23E-01	1.04E+01	1.63E+00	9.68E-04	1.85E-03	3.58E-03	1.64E+00
899	490336.72	3860885.12	1.48E+00	8.08E-04	1.88E-03	3.63E-03	1.49E+00	1.55E+00	8.25E+00	1.72E-01	1.24E-01	1.01E+01	1.55E+00	9.45E-04	1.88E-03	3.63E-03	1.55E+00
900	490386.72	3860885.12	1.55E+00	7.92E-04	1.80E-03	3.63E-03	1.56E+00	1.62E+00	8.09E+00	1.64E-01	1.24E-01	1.00E+01	1.61E+00	9.27E-04	1.80E-03	3.63E-03	1.62E+00
901	490436.72	3860885.12	1.63E+00	7.80E-04	1.73E-03	3.56E-03	1.64E+00	1.70E+00	7.97E+00	1.58E-01	1.22E-01	9.95E+00	1.70E+00	9.12E-04	1.73E-03	3.56E-03	1.71E+00
902	490486.72	3860885.12	1.64E+00	7.58E-04	1.88E-03	3.63E-03	1.65E+00	1.71E+00	7.74E+00	1.71E-01	1.24E-01	9.75E+00	1.71E+00	8.87E-04	1.88E-03	3.63E-03	1.71E+00
903	490536.72	3860885.12	1.74E+00	7.39E-04	1.91E-03	3.72E-03	1.75E+00	1.81E+00	7.55E+00	1.74E-01	1.27E-01	9.67E+00	1.81E+00	8.64E-04	1.91E-03	3.72E-03	1.82E+00
904	490586.72	3860885.12	1.68E+00	7.21E-04	1.90E-03	3.73E-03	1.69E+00	1.75E+00	7.37E+00	1.73E-01	1.28E-01	9.42E+00	1.75E+00	8.44E-04	1.90E-03	3.73E-03	1.76E+00
905	490636.72	3860885.12	1.65E+00	7.07E-04	1.89E-03	3.81E-03	1.66E+00	1.72E+00	7.22E+00	1.72E-01	1.30E-01	9.25E+00	1.72E+00	8.27E-04	1.89E-03	3.81E-03	1.73E+00
906	490686.72	3860885.12	1.62E+00	7.01E-04	1.98E-03	3.90E-03	1.63E+00	1.69E+00	7.16E+00	1.80E-01	1.33E-01	9.16E+00	1.69E+00	8.20E-04	1.98E-03	3.90E-03	1.70E+00
907	490736.72	3860885.12	1.69E+00	6.87E-04	2.25E-03	3.96E-03	1.69E+00	1.76E+00	7.02E+00	2.05E-01	1.35E-01	9.12E+00	1.76E+00	8.04E-04	2.25E-03	3.96E-03	1.76E+00
908	490086.72	3860935.12	1.67E+00	9.47E-04	1.59E-03	3.28E-03	1.68E+00	1.74E+00	9.67E+00	1.45E-01	1.12E-01	1.17E+01	1.74E+00	1.11E-03	1.59E-03	3.28E-03	1.74E+00
909	490136.72	3860935.12	1.67E+00	9.20E-04	1.62E-03	3.32E-03	1.68E+00	1.75E+00	9.40E+00	1.48E-01	1.14E-01	1.14E+01	1.74E+00	1.08E-03	1.62E-03	3.32E-03	1.75E+00
910	490186.72	3860935.12	1.66E+00	8.88E-04	1.61E-03	3.35E-03	1.67E+00	1.74E+00	9.08E+00	1.47E-01	1.15E-01	1.11E+01	1.73E+00	1.04E-03	1.61E-03	3.35E-03	1.74E+00
911	490236.72	3860935.12	1.66E+00	8.63E-04	1.60E-03	3.30E-03	1.66E+00	1.73E+00	8.81E+00	1.46E-01	1.13E-01	1.08E+01	1.73E+00	1.01E-03	1.60E-03	3.30E-03	1.73E+00

912	490286.72	3860935.12	1.58E+00	8.43E-04	1.65E-03	3.32E-03	1.58E+00	1.65E+00	8.61E+00	1.51E-01	1.14E-01	1.05E+01	1.64E+00	9.86E-04	1.65E-03	3.32E-03	1.65E+00
913	490336.72	3860935.12	1.53E+00	8.20E-04	1.85E-03	3.37E-03	1.54E+00	1.60E+00	8.38E+00	1.69E-01	1.15E-01	1.03E+01	1.59E+00	9.60E-04	1.85E-03	3.37E-03	1.60E+00
914	490386.72	3860935.12	1.46E+00	8.05E-04	1.82E-03	3.41E-03	1.47E+00	1.53E+00	8.23E+00	1.66E-01	1.17E-01	1.00E+01	1.52E+00	9.42E-04	1.82E-03	3.41E-03	1.53E+00
915	490436.72	3860935.12	1.53E+00	7.89E-04	1.74E-03	3.46E-03	1.54E+00	1.60E+00	8.06E+00	1.59E-01	1.18E-01	9.94E+00	1.59E+00	9.23E-04	1.74E-03	3.46E-03	1.60E+00
916	490486.72	3860935.12	1.60E+00	7.74E-04	1.71E-03	3.39E-03	1.61E+00	1.67E+00	7.91E+00	1.56E-01	1.16E-01	9.85E+00	1.67E+00	9.05E-04	1.71E-03	3.39E-03	1.68E+00
917	490536.72	3860935.12	1.61E+00	7.56E-04	1.87E-03	3.41E-03	1.62E+00	1.68E+00	7.73E+00	1.70E-01	1.17E-01	9.70E+00	1.68E+00	8.85E-04	1.87E-03	3.41E-03	1.68E+00
918	490586.72	3860935.12	1.71E+00	7.37E-04	1.88E-03	3.50E-03	1.72E+00	1.78E+00	7.53E+00	1.71E-01	1.20E-01	9.60E+00	1.78E+00	8.62E-04	1.88E-03	3.50E-03	1.79E+00
919	490636.72	3860935.12	1.65E+00	7.19E-04	1.86E-03	3.56E-03	1.65E+00	1.72E+00	7.35E+00	1.70E-01	1.22E-01	9.36E+00	1.72E+00	8.41E-04	1.86E-03	3.56E-03	1.72E+00
920	490686.72	3860935.12	1.62E+00	7.04E-04	1.86E-03	3.62E-03	1.63E+00	1.69E+00	7.19E+00	1.69E-01	1.24E-01	9.18E+00	1.69E+00	8.23E-04	1.86E-03	3.62E-03	1.70E+00
921	490736.72	3860935.12	1.59E+00	6.92E-04	1.97E-03	3.68E-03	1.60E+00	1.66E+00	7.07E+00	1.80E-01	1.26E-01	9.04E+00	1.66E+00	8.09E-04	1.97E-03	3.68E-03	1.67E+00
922	490786.72	3860935.12	1.66E+00	6.84E-04	2.19E-03	3.73E-03	1.66E+00	1.73E+00	6.98E+00	2.00E-01	1.28E-01	9.04E+00	1.72E+00	8.00E-04	2.19E-03	3.73E-03	1.73E+00
923	490836.72	3860935.12	1.69E+00	6.73E-04	2.28E-03	3.84E-03	1.70E+00	1.77E+00	6.87E+00	2.08E-01	1.31E-01	8.98E+00	1.76E+00	7.87E-04	2.28E-03	3.84E-03	1.77E+00
924	490086.72	3860985.12	1.66E+00	9.62E-04	1.55E-03	3.04E-03	1.67E+00	1.73E+00	9.83E+00	1.41E-01	1.04E-01	1.18E+01	1.73E+00	1.13E-03	1.55E-03	3.04E-03	1.73E+00
925	490136.72	3860985.12	1.65E+00	9.33E-04	1.57E-03	3.09E-03	1.66E+00	1.72E+00	9.53E+00	1.43E-01	1.06E-01	1.15E+01	1.72E+00	1.09E-03	1.57E-03	3.09E-03	1.72E+00
926	490186.72	3860985.12	1.64E+00	9.08E-04	1.60E-03	3.09E-03	1.65E+00	1.72E+00	9.28E+00	1.46E-01	1.06E-01	1.12E+01	1.71E+00	1.06E-03	1.60E-03	3.09E-03	1.72E+00
927	490236.72	3860985.12	1.64E+00	8.81E-04	1.59E-03	3.11E-03	1.64E+00	1.71E+00	9.01E+00	1.45E-01	1.06E-01	1.10E+01	1.70E+00	1.03E-03	1.59E-03	3.11E-03	1.71E+00
928	490286.72	3860985.12	1.62E+00	8.54E-04	1.55E-03	3.13E-03	1.63E+00	1.70E+00	8.72E+00	1.42E-01	1.07E-01	1.07E+01	1.69E+00	9.99E-04	1.55E-03	3.13E-03	1.70E+00
929	490336.72	3860985.12	1.54E+00	8.36E-04	1.66E-03	3.11E-03	1.55E+00	1.61E+00	8.54E+00	1.51E-01	1.06E-01	1.04E+01	1.60E+00	9.78E-04	1.66E-03	3.11E-03	1.61E+00
930	490386.72	3860985.12	1.50E+00	8.17E-04	1.82E-03	3.16E-03	1.51E+00	1.57E+00	8.35E+00	1.66E-01	1.08E-01	1.02E+01	1.57E+00	9.56E-04	1.82E-03	3.16E-03	1.57E+00
931	490436.72	3860985.12	1.44E+00	8.00E-04	1.76E-03	3.22E-03	1.45E+00	1.51E+00	8.18E+00	1.61E-01	1.10E-01	9.95E+00	1.50E+00	9.36E-04	1.76E-03	3.22E-03	1.51E+00
932	490486.72	3860985.12	1.51E+00	7.84E-04	1.69E-03	3.27E-03	1.51E+00	1.57E+00	8.01E+00	1.54E-01	1.12E-01	9.85E+00	1.57E+00	9.17E-04	1.69E-03	3.27E-03	1.58E+00
933	490536.72	3860985.12	1.57E+00	7.69E-04	1.70E-03	3.32E-03	1.58E+00	1.64E+00	7.86E+00	1.55E-01	1.14E-01	9.77E+00	1.64E+00	9.00E-04	1.70E-03	3.32E-03	1.65E+00
934	490586.72	3860985.12	1.58E+00	7.53E-04	1.84E-03	3.21E-03	1.59E+00	1.65E+00	7.69E+00	1.68E-01	1.10E-01	9.62E+00	1.65E+00	8.81E-04	1.84E-03	3.21E-03	1.65E+00
935	490636.72	3860985.12	1.68E+00	7.35E-04	1.84E-03	3.31E-03	1.69E+00	1.75E+00	7.50E+00	1.68E-01	1.13E-01	9.54E+00	1.75E+00	8.59E-04	1.84E-03	3.31E-03	1.76E+00
936	490686.72	3860985.12	1.62E+00	7.17E-04	1.83E-03	3.40E-03	1.63E+00	1.69E+00	7.33E+00	1.67E-01	1.16E-01	9.30E+00	1.69E+00	8.39E-04	1.83E-03	3.40E-03	1.69E+00
937	490736.72	3860985.12	1.59E+00	7.00E-04	1.82E-03	3.46E-03	1.60E+00	1.66E+00	7.15E+00	1.66E-01	1.18E-01	9.10E+00	1.66E+00	8.19E-04	1.82E-03	3.46E-03	1.67E+00
938	490786.72	3860985.12	1.57E+00	6.88E-04	1.97E-03	3.50E-03	1.57E+00	1.64E+00	7.03E+00	1.80E-01	1.20E-01	8.96E+00	1.63E+00	8.05E-04	1.97E-03	3.50E-03	1.64E+00
939	490836.72	3860985.12	1.63E+00	6.76E-04	2.13E-03	3.58E-03	1.63E+00	1.70E+00	6.91E+00	1.95E-01	1.22E-01	8.92E+00	1.70E+00	7.91E-04	2.13E-03	3.58E-03	1.70E+00
940	490086.72	3861035.12	1.61E+00	9.76E-04	1.50E-03	3.01E-03	1.61E+00	1.68E+00	9.97E+00	1.37E-01	1.03E-01	1.19E+01	1.67E+00	1.14E-03	1.50E-03	3.01E-03	1.68E+00
941	490136.72	3861035.12	1.63E+00	9.49E-04	1.52E-03	2.94E-03	1.64E+00	1.70E+00	9.69E+00	1.38E-01	1.00E-01	1.16E+01	1.70E+00	1.11E-03	1.52E-03	2.94E-03	1.71E+00
942	490186.72	3861035.12	1.64E+00	9.21E-04	1.55E-03	2.94E-03	1.64E+00	1.71E+00	9.41E+00	1.41E-01	1.01E-01	1.14E+01	1.70E+00	1.08E-03	1.55E-03	2.94E-03	1.71E+00
943	490236.72	3861035.12	1.61E+00	8.93E-04	1.57E-03	2.95E-03	1.62E+00	1.68E+00	9.12E+00	1.43E-01	1.01E-01	1.10E+01	1.68E+00	1.04E-03	1.57E-03	2.95E-03	1.68E+00
944	490286.72	3861035.12	1.60E+00	8.72E-04	1.56E-03	2.93E-03	1.61E+00	1.67E+00	8.91E+00	1.42E-01	1.00E-01	1.08E+01	1.67E+00	1.02E-03	1.56E-03	2.93E-03	1.68E+00
945	490336.72	3861035.12	1.59E+00	8.46E-04	1.52E-03	2.95E-03	1.59E+00	1.66E+00	8.64E+00	1.38E-01	1.01E-01	1.05E+01	1.65E+00	9.90E-04	1.52E-03	2.95E-03	1.66E+00
946	490386.72	3861035.12	1.51E+00	8.28E-04	1.67E-03	2.96E-03	1.51E+00	1.57E+00	8.46E+00	1.53E-01	1.01E-01	1.03E+01	1.57E+00	9.68E-04	1.67E-03	2.96E-03	1.57E+00
947	490436.72	3861035.12	1.48E+00	8.14E-04	1.77E-03	2.93E-03	1.48E+00	1.54E+00	8.31E+00	1.62E-01	1.00E-01	1.01E+01	1.54E+00	9.52E-04	1.77E-03	2.93E-03	1.55E+00
948	490486.72	3861035.12	1.42E+00	7.96E-04	1.71E-03	3.00E-03	1.43E+00	1.49E+00	8.13E+00	1.56E-01	1.03E-01	9.87E+00	1.48E+00	9.31E-04	1.71E-03	3.00E-03	1.49E+00
949	490536.72	3861035.12	1.49E+00	7.79E-04	1.64E-03	3.07E-03	1.49E+00	1.55E+00	7.95E+00	1.50E-01	1.05E-01	9.76E+00	1.55E+00	9.11E-04	1.64E-03	3.07E-03	1.55E+00
950	490586.72	3861035.12	1.55E+00	7.62E-04	1.68E-03	3.14E-03	1.55E+00	1.62E+00	7.79E+00	1.54E-01	1.08E-01	9.66E+00	1.61E+00	8.92E-04	1.68E-03	3.14E-03	1.62E+00
951	490636.72	3861035.12	1.56E+00	7.47E-04	1.81E-03	3.15E-03	1.56E+00	1.62E+00	7.63E+00	1.65E-01	1.08E-01	9.53E+00	1.62E+00	8.74E-04	1.81E-03	3.15E-03	1.63E+00
952	490686.72	3861035.12	1.65E+00	7.32E-04	1.81E-03	3.14E-03	1.66E+00	1.72E+00	7.48E+00	1.65E-01	1.08E-01	9.48E+00	1.72E+00	8.57E-04	1.81E-03	3.14E-03	1.73E+00
953	490736.72	3861035.12	1.59E+00	7.14E-04	1.80E-03	3.23E-03	1.60E+00	1.66E+00	7.29E+00	1.64E-01	1.10E-01	9.23E+00	1.66E+00	8.35E-04	1.80E-03	3.23E-03	1.66E+00
954	490786.72	3861035.12	1.57E+00	6.98E-04	1.80E-03	3.29E-03	1.57E+00	1.64E+00	7.13E+00	1.64E-01	1.13E-01	9.04E+00	1.63E+00	8.16E-04	1.80E-03	3.29E-03	1.64E+00
955	490836.72	3861035.12	1.54E+00	6.85E-04	1.97E-03	3.38E-03	1.55E+00	1.61E+00	7.00E+00	1.80E-01	1.16E-01	8.91E+00	1.61E+00	8.02E-04	1.97E-03	3.38E-03	1.61E+00
956	490086.72	3861085.12	1.56E+00	9.55E-04	1.47E-03	2.89E-03	1.57E+00	1.63E+00	9.76E+00	1.34E-01	9.89E-02	1.16E+01	1.63E+00	1.12E-03	1.47E-03	2.89E-03	1.64E+00
957	490136.72	3861085.12	1.59E+00	9.52E-04	1.48E-03	2.87E-03	1.59E+00	1.66E+00	9.73E+00	1.35E-01	9.82E-02	1.16E+01	1.65E+00	1.11E-03	1.48E-03	2.87E-03	1.66E+00
958	490186.72	3861085.12	1.61E+00	9.39E-04	1.49E-03	2.85E-03	1.62E+00	1.68E+00	9.59E+00	1.36E-01	9.73E-02	1.15E+01	1.68E+00	1.10E-03	1.49E-03	2.85E-03	1.68E+00
959	490236.72	3861085.12	1.62E+00	9.13E-04	1.52E-03	2.82E-03	1.63E+00	1.69E+00	9.32E+00	1.39E-01	9.63E-02	1.13E+01	1.69E+00	1.07E-03	1.52E-03	2.82E-03	1.69E+00
960	490286.72	3861085.12	1.58E+00	8.84E-04	1.54E-03	2.82E-03	1.59E+00	1.65E+00	9.03E+00	1.41E-01	9.65E-02	1.09E+01	1.65E+00	1.03E-03	1.54E-03	2.82E-03	1.65E+00
961	490336.72	3861085.12	1.58E+00	8.61E-04	1.53E-03	2.81E-03	1.58E+00	1.65E+00	8.80E+00	1.40E-01	9.60E-02	1.07E+01	1.65E+00	1.01E-03	1.53E-03	2.81E-03	1.65E+00
962	490386.72	3861085.12	1.56E+00	8.41E-04	1.52E-03	2.81E-03	1.56E+00	1.62E+00	8.60E+00	1.39E-01	9.60E-02	1.05E+01	1.62E+00	9.84E-04	1.52E-03	2.81E-03	1.63E+00
963	490436.72	3861085.12	1.48E+00	8.20E-04	1.68E-03	2.83E-03	1.48E+00	1.54E+00	8.37E+00	1.54E-01	9.69E-02	1.02E+01	1.54E+00	9.59E-04	1.68E-03	2.83E-03	1.54E+00
964	490486.72	3861085.12	1.45E+00	8.04E-04	1.72E-03	2.84E-03	1.46E+00	1.51E+00	8.21E+00	1.57E-01	9.70E-02	9.98E+00	1.51E+00	9.41E-04	1.72E-03	2.84E-03	1.52E+00
965	490536.72	3861085.12	1.40E+00	7.90E-04	1.66E-03	2.82E-03	1.41E+00	1.46E+00	8.07E+00	1.51E-01	9.65E-02	9.78E+00	1.46E+00	9.24E-04	1.66E-03	2.82E-03	1.47E+00
966	490586.72	3861085.12	1.47E+00	7.73E-04	1.59E-03	2.89E-03	1.47E+00	1.53E+00	7.90E+00	1.45E-01	9.89E-02	9.67E+00	1.53E+00	9.04E-04	1.59E-03	2.89E-03	1.53E+00
967	490636.72	3861085.12	1.52E+00	7.55E-04	1.67E-03	2.97E-03	1.53E+00	1.59E+00	7.72E+00	1.53E-01	1.01E-01	9.56E+00	1.58E+00	8.84E-04	1.67E-03	2.97E-03	1.59E+00
968	490686.72	3861085.12	1.53E+00	7.42E-04	1.77E-03	3.03E-03	1.54E+00	1.60E+00	7.58E+00	1.62E-01	1.04E-01	9.44E+00	1.59E+00	8.68E-04	1.77E-03	3.03E-03	1.60E+00
969	490736.72	3861085.12	1.63E+00	7.29E-04	1.77E-03	2.98E-03	1.63E+00	1.70E+00	7.45E+00	1.62E-01	1.02E-01	9.41E+00	1.69E+00	8.53E-04	1.77E-03	2.98E-03	1.70E+00
970	490786.72	3861085.12	1.56E+00	7.11E-04	1.77E-03	3.06E-03	1.57E+00	1.63E+00	7.26E+00	1.61E-01	1.05E-01	9.16E+00	1.63E+00	8.31E-04	1.77E-03	3.06E-03	1.64E+00
971	490836.72	3861085.12	1.54E+00	6.95E-04	1.79E-03	3.15E-03	1.55E+00	1.61E+00	7.11E+00	1.63E-01	1.08E-01	8.99E+00	1.61E+00	8.14E-04	1.79E-03	3.15E-03	1.61E+00
972	490086.72	3861135.12	1.58E+00	9.61E-04	1.45E-03	2.72E-03	1.59E+00	1.65E+00	9.82E+00	1.32E-01	9.29E-02	1.17E+01	1.65E+00	1.12E-03	1.45E-03	2.72E-03	1.65E+00

973	490136.72	3861135.12	1.54E+00	9.28E-04	1.44E-03	2.76E-03	1.54E+00	1.60E+00	9.48E+00	1.31E-01	9.43E-02	1.13E+01	1.60E+00	1.09E-03	1.44E-03	2.76E-03	1.60E+00
974	490186.72	3861135.12	1.57E+00	9.17E-04	1.45E-03	2.74E-03	1.57E+00	1.63E+00	9.37E+00	1.32E-01	9.38E-02	1.12E+01	1.63E+00	1.07E-03	1.45E-03	2.74E-03	1.64E+00
975	490236.72	3861135.12	1.58E+00	9.18E-04	1.47E-03	2.70E-03	1.58E+00	1.65E+00	9.38E+00	1.34E-01	9.25E-02	1.13E+01	1.64E+00	1.07E-03	1.47E-03	2.70E-03	1.65E+00
976	490286.72	3861135.12	1.61E+00	9.02E-04	1.50E-03	2.72E-03	1.61E+00	1.68E+00	9.22E+00	1.37E-01	9.30E-02	1.11E+01	1.67E+00	1.06E-03	1.50E-03	2.72E-03	1.68E+00
977	490336.72	3861135.12	1.55E+00	8.75E-04	1.52E-03	2.68E-03	1.56E+00	1.62E+00	8.94E+00	1.39E-01	9.15E-02	1.08E+01	1.62E+00	1.02E-03	1.52E-03	2.68E-03	1.62E+00
978	490386.72	3861135.12	1.55E+00	8.51E-04	1.48E-03	2.69E-03	1.56E+00	1.62E+00	8.69E+00	1.35E-01	9.19E-02	1.05E+01	1.62E+00	9.96E-04	1.48E-03	2.69E-03	1.62E+00
979	490436.72	3861135.12	1.52E+00	8.32E-04	1.52E-03	2.68E-03	1.53E+00	1.59E+00	8.50E+00	1.39E-01	9.17E-02	1.03E+01	1.58E+00	9.74E-04	1.52E-03	2.68E-03	1.59E+00
980	490486.72	3861135.12	1.45E+00	8.10E-04	1.70E-03	2.68E-03	1.46E+00	1.52E+00	8.28E+00	1.55E-01	9.17E-02	1.00E+01	1.51E+00	9.48E-04	1.70E-03	2.68E-03	1.52E+00
981	490536.72	3861135.12	1.42E+00	7.93E-04	1.67E-03	2.72E-03	1.43E+00	1.48E+00	8.10E+00	1.52E-01	9.31E-02	9.83E+00	1.48E+00	9.27E-04	1.67E-03	2.72E-03	1.49E+00
982	490586.72	3861135.12	1.38E+00	7.79E-04	1.61E-03	2.74E-03	1.39E+00	1.44E+00	7.96E+00	1.47E-01	9.38E-02	9.64E+00	1.44E+00	9.11E-04	1.61E-03	2.74E-03	1.44E+00
983	490636.72	3861135.12	1.44E+00	7.64E-04	1.55E-03	2.74E-03	1.45E+00	1.50E+00	7.80E+00	1.41E-01	9.38E-02	9.54E+00	1.50E+00	8.93E-04	1.55E-03	2.74E-03	1.51E+00
984	490686.72	3861135.12	1.49E+00	7.49E-04	1.66E-03	2.81E-03	1.50E+00	1.56E+00	7.66E+00	1.52E-01	9.62E-02	9.46E+00	1.56E+00	8.77E-04	1.66E-03	2.81E-03	1.56E+00
985	490736.72	3861135.12	1.51E+00	7.37E-04	1.74E-03	2.89E-03	1.51E+00	1.57E+00	7.53E+00	1.59E-01	9.87E-02	9.36E+00	1.57E+00	8.63E-04	1.74E-03	2.89E-03	1.58E+00
986	490786.72	3861135.12	1.60E+00	7.23E-04	1.74E-03	2.96E-03	1.61E+00	1.67E+00	7.39E+00	1.59E-01	1.01E-01	9.32E+00	1.67E+00	8.46E-04	1.74E-03	2.96E-03	1.67E+00
987	490836.72	3861135.12	1.54E+00	7.09E-04	1.74E-03	2.94E-03	1.55E+00	1.61E+00	7.24E+00	1.58E-01	1.01E-01	9.11E+00	1.60E+00	8.29E-04	1.74E-03	2.94E-03	1.61E+00
988	490086.72	3861185.12	1.55E+00	9.58E-04	1.44E-03	2.58E-03	1.55E+00	1.61E+00	9.78E+00	1.31E-01	8.84E-02	1.16E+01	1.61E+00	1.12E-03	1.44E-03	2.58E-03	1.62E+00
989	490136.72	3861185.12	1.55E+00	9.35E-04	1.42E-03	2.59E-03	1.56E+00	1.62E+00	9.56E+00	1.29E-01	8.87E-02	1.14E+01	1.62E+00	1.09E-03	1.42E-03	2.59E-03	1.62E+00
990	490186.72	3861185.12	1.51E+00	9.13E-04	1.41E-03	2.62E-03	1.52E+00	1.58E+00	9.33E+00	1.29E-01	8.95E-02	1.11E+01	1.58E+00	1.07E-03	1.41E-03	2.62E-03	1.58E+00
991	490236.72	3861185.12	1.54E+00	8.87E-04	1.42E-03	2.62E-03	1.55E+00	1.61E+00	9.06E+00	1.30E-01	8.96E-02	1.09E+01	1.61E+00	1.04E-03	1.42E-03	2.62E-03	1.61E+00
992	490286.72	3861185.12	1.55E+00	8.84E-04	1.48E-03	2.59E-03	1.55E+00	1.61E+00	9.03E+00	1.35E-01	8.85E-02	1.09E+01	1.61E+00	1.03E-03	1.48E-03	2.59E-03	1.62E+00
993	490336.72	3861185.12	1.58E+00	8.82E-04	1.49E-03	2.60E-03	1.59E+00	1.65E+00	9.01E+00	1.36E-01	8.91E-02	1.09E+01	1.65E+00	1.03E-03	1.49E-03	2.60E-03	1.65E+00
994	490386.72	3861185.12	1.53E+00	8.62E-04	1.49E-03	2.57E-03	1.53E+00	1.59E+00	8.81E+00	1.36E-01	8.81E-02	1.06E+01	1.59E+00	1.01E-03	1.49E-03	2.57E-03	1.60E+00
995	490436.72	3861185.12	1.52E+00	8.42E-04	1.45E-03	2.56E-03	1.53E+00	1.59E+00	8.60E+00	1.33E-01	8.76E-02	1.04E+01	1.59E+00	9.85E-04	1.45E-03	2.56E-03	1.59E+00
996	490486.72	3861185.12	1.49E+00	8.23E-04	1.52E-03	2.55E-03	1.49E+00	1.55E+00	8.41E+00	1.39E-01	8.71E-02	1.02E+01	1.55E+00	9.63E-04	1.52E-03	2.55E-03	1.55E+00
997	490536.72	3861185.12	1.43E+00	8.03E-04	1.67E-03	2.57E-03	1.44E+00	1.49E+00	8.20E+00	1.53E-01	8.78E-02	9.94E+00	1.49E+00	9.39E-04	1.67E-03	2.57E-03	1.50E+00
998	490586.72	3861185.12	1.39E+00	7.84E-04	1.62E-03	2.62E-03	1.40E+00	1.46E+00	8.01E+00	1.48E-01	8.97E-02	9.70E+00	1.45E+00	9.17E-04	1.62E-03	2.62E-03	1.46E+00
999	490636.72	3861185.12	1.36E+00	7.67E-04	1.56E-03	2.66E-03	1.36E+00	1.42E+00	7.83E+00	1.42E-01	9.11E-02	9.49E+00	1.42E+00	8.97E-04	1.56E-03	2.66E-03	1.42E+00
1000	490686.72	3861185.12	1.42E+00	7.54E-04	1.53E-03	2.68E-03	1.43E+00	1.48E+00	7.70E+00	1.40E-01	9.16E-02	9.42E+00	1.48E+00	8.82E-04	1.53E-03	2.68E-03	1.49E+00
1001	490736.72	3861185.12	1.47E+00	7.42E-04	1.65E-03	2.72E-03	1.48E+00	1.53E+00	7.58E+00	1.51E-01	9.29E-02	9.36E+00	1.53E+00	8.68E-04	1.65E-03	2.72E-03	1.54E+00
1002	490786.72	3861185.12	1.49E+00	7.32E-04	1.71E-03	2.78E-03	1.49E+00	1.55E+00	7.48E+00	1.56E-01	9.52E-02	9.28E+00	1.55E+00	8.56E-04	1.71E-03	2.78E-03	1.55E+00
1003	490836.72	3861185.12	1.58E+00	7.17E-04	1.71E-03	2.86E-03	1.58E+00	1.65E+00	7.33E+00	1.56E-01	9.80E-02	9.23E+00	1.64E+00	8.39E-04	1.71E-03	2.86E-03	1.65E+00
1004	490086.72	3861235.12	1.51E+00	9.52E-04	1.44E-03	2.44E-03	1.52E+00	1.58E+00	9.72E+00	1.31E-01	8.36E-02	1.15E+01	1.58E+00	1.11E-03	1.44E-03	2.44E-03	1.58E+00
1005	490136.72	3861235.12	1.53E+00	9.30E-04	1.40E-03	2.45E-03	1.53E+00	1.59E+00	9.50E+00	1.28E-01	8.37E-02	1.13E+01	1.59E+00	1.09E-03	1.40E-03	2.45E-03	1.59E+00
1006	490186.72	3861235.12	1.53E+00	9.12E-04	1.39E-03	2.47E-03	1.54E+00	1.60E+00	9.32E+00	1.26E-01	8.46E-02	1.11E+01	1.60E+00	1.07E-03	1.39E-03	2.47E-03	1.60E+00
1007	490236.72	3861235.12	1.49E+00	8.95E-04	1.41E-03	2.48E-03	1.50E+00	1.56E+00	9.14E+00	1.28E-01	8.49E-02	1.09E+01	1.55E+00	1.05E-03	1.41E-03	2.48E-03	1.56E+00
1008	490386.72	3861235.12	1.55E+00	8.49E-04	1.47E-03	2.50E-03	1.56E+00	1.62E+00	8.67E+00	1.34E-01	8.53E-02	1.05E+01	1.62E+00	9.93E-04	1.47E-03	2.50E-03	1.62E+00
1009	490436.72	3861235.12	1.50E+00	8.46E-04	1.47E-03	2.49E-03	1.51E+00	1.57E+00	8.64E+00	1.34E-01	8.51E-02	1.04E+01	1.57E+00	9.90E-04	1.47E-03	2.49E-03	1.57E+00
1010	490486.72	3861235.12	1.49E+00	8.27E-04	1.43E-03	2.46E-03	1.50E+00	1.56E+00	8.45E+00	1.30E-01	8.40E-02	1.02E+01	1.55E+00	9.67E-04	1.43E-03	2.46E-03	1.56E+00
1011	490536.72	3861235.12	1.46E+00	8.14E-04	1.53E-03	2.46E-03	1.46E+00	1.52E+00	8.31E+00	1.39E-01	8.41E-02	1.01E+01	1.52E+00	9.52E-04	1.53E-03	2.46E-03	1.52E+00
1012	490586.72	3861235.12	1.41E+00	7.96E-04	1.62E-03	2.48E-03	1.41E+00	1.47E+00	8.13E+00	1.48E-01	8.50E-02	9.83E+00	1.47E+00	9.31E-04	1.62E-03	2.48E-03	1.47E+00
1013	490636.72	3861235.12	1.36E+00	7.73E-04	1.57E-03	2.51E-03	1.37E+00	1.42E+00	7.90E+00	1.44E-01	8.60E-02	9.55E+00	1.42E+00	9.05E-04	1.57E-03	2.51E-03	1.42E+00
1014	490686.72	3861235.12	1.34E+00	7.58E-04	1.52E-03	2.56E-03	1.34E+00	1.39E+00	7.74E+00	1.39E-01	8.76E-02	9.36E+00	1.39E+00	8.86E-04	1.52E-03	2.56E-03	1.40E+00
1015	490736.72	3861235.12	1.40E+00	7.45E-04	1.52E-03	2.62E-03	1.41E+00	1.46E+00	7.62E+00	1.39E-01	8.95E-02	9.31E+00	1.46E+00	8.72E-04	1.52E-03	2.62E-03	1.47E+00
1016	490786.72	3861235.12	1.45E+00	7.36E-04	1.64E-03	2.66E-03	1.45E+00	1.51E+00	7.52E+00	1.50E-01	9.09E-02	9.27E+00	1.51E+00	8.61E-04	1.64E-03	2.66E-03	1.51E+00
1017	490836.72	3861235.12	1.47E+00	7.23E-04	1.69E-03	2.71E-03	1.47E+00	1.53E+00	7.39E+00	1.54E-01	9.25E-02	9.17E+00	1.53E+00	8.46E-04	1.69E-03	2.71E-03	1.53E+00
1018	490086.72	3861285.12	1.49E+00	9.44E-04	1.45E-03	2.46E-03	1.49E+00	1.55E+00	9.65E+00	1.32E-01	8.41E-02	1.14E+01	1.55E+00	1.10E-03	1.45E-03	2.46E-03	1.55E+00
1019	490136.72	3861285.12	1.50E+00	9.25E-04	1.40E-03	2.36E-03	1.50E+00	1.56E+00	9.45E+00	1.27E-01	8.08E-02	1.12E+01	1.56E+00	1.08E-03	1.40E-03	2.36E-03	1.56E+00
1020	490186.72	3861285.12	1.51E+00	9.12E-04	1.37E-03	2.32E-03	1.52E+00	1.58E+00	9.32E+00	1.25E-01	7.94E-02	1.11E+01	1.58E+00	1.07E-03	1.37E-03	2.32E-03	1.58E+00
1021	490236.72	3861285.12	1.51E+00	8.98E-04	1.36E-03	2.35E-03	1.51E+00	1.57E+00	9.17E+00	1.24E-01	8.05E-02	1.09E+01	1.57E+00	1.05E-03	1.36E-03	2.35E-03	1.57E+00
1022	490386.72	3861285.12	1.49E+00	8.32E-04	1.43E-03	2.37E-03	1.49E+00	1.55E+00	8.50E+00	1.31E-01	8.11E-02	1.03E+01	1.55E+00	9.74E-04	1.43E-03	2.37E-03	1.55E+00
1023	490436.72	3861285.12	1.52E+00	8.20E-04	1.45E-03	2.39E-03	1.53E+00	1.59E+00	8.38E+00	1.32E-01	8.17E-02	1.02E+01	1.58E+00	9.60E-04	1.45E-03	2.39E-03	1.59E+00
1024	490486.72	3861285.12	1.48E+00	8.21E-04	1.41E-03	2.39E-03	1.49E+00	1.55E+00	8.39E+00	1.29E-01	8.19E-02	1.01E+01	1.54E+00	9.61E-04	1.41E-03	2.39E-03	1.55E+00
1025	490536.72	3861285.12	1.47E+00	8.15E-04	1.41E-03	2.39E-03	1.48E+00	1.54E+00	8.32E+00	1.29E-01	8.18E-02	1.01E+01	1.53E+00	9.53E-04	1.41E-03	2.39E-03	1.54E+00
1026	490586.72	3861285.12	1.42E+00	7.98E-04	1.53E-03	2.38E-03	1.43E+00	1.48E+00	8.15E+00	1.39E-01	8.12E-02	9.85E+00	1.48E+00	9.33E-04	1.53E-03	2.38E-03	1.49E+00
1027	490636.72	3861285.12	1.37E+00	7.84E-04	1.57E-03	2.39E-03	1.38E+00	1.43E+00	8.01E+00	1.44E-01	8.17E-02	9.67E+00	1.43E+00	9.17E-04	1.57E-03	2.39E-03	1.44E+00
1028	490686.72	3861285.12	1.34E+00	7.62E-04	1.54E-03	2.44E-03	1.34E+00	1.39E+00	7.78E+00	1.40E-01	8.33E-02	9.40E+00	1.39E+00	8.91E-04	1.54E-03	2.44E-03	1.40E+00
1029	490736.72	3861285.12	1.32E+00	7.52E-04	1.49E-03	2.49E-03	1.32E+00	1.37E+00	7.68E+00	1.36E-01	8.52E-02	9.28E+00	1.37E+00	8.80E-04	1.49E-03	2.49E-03	1.38E+00
1030	490786.72	3861285.12	1.39E+00	7.36E-04	1.52E-03	2.53E-03	1.39E+00	1.45E+00	7.52E+00	1.38E-01	8.64E-02	9.19E+00	1.44E+00	8.61E-04	1.52E-03	2.53E-03	1.45E+00
1031	490836.72	3861285.12	1.42E+00	7.24E-04	1.63E-03	2.58E-03	1.43E+00	1.49E+00	7.39E+00	1.49E-01	8.81E-02	9.11E+00	1.48E+00	8.46E-04	1.63E-03	2.58E-03	1.49E+00
1032	490061.24	3859716.13	2.19E+00	8.42E-04	6.94E-03	6.37E-03	2.20E+00	2.28E+00	8.60E+00	6.33E-01	2.18E-01	1.17E+01	2.28E+00	9.85E-04	6.94E-03	6.37E-03	2.29E+00
1033	490111.24	3859716.13	2.12E+00	8.23E-04	6.84E-03	6.33E-03	2.14E+00	2.21E+00	8.41E+00	6.24E-01	2.17E-01	1.15E+01	2.21E+00	9.63E-04	6.84E-03	6.33E-03	2.22E+00

1034	490161.24	3859716.13	2.04E+00	8.05E-04	7.16E-03	6.22E-03	2.06E+00	2.13E+00	8.22E+00	6.53E-01	2.13E-01	1.12E+01	2.13E+00	9.42E-04	7.16E-03	6.22E-03	2.14E+00
1035	490211.24	3859716.13	2.00E+00	7.69E-04	7.18E-03	6.11E-03	2.01E+00	2.09E+00	7.85E+00	6.54E-01	2.09E-01	1.08E+01	2.08E+00	8.99E-04	7.18E-03	6.11E-03	2.10E+00
1036	490061.24	3859766.13	2.24E+00	8.57E-04	6.77E-03	6.33E-03	2.25E+00	2.34E+00	8.76E+00	6.17E-01	2.17E-01	1.19E+01	2.33E+00	1.00E-03	6.77E-03	6.33E-03	2.35E+00
1037	490111.24	3859766.13	2.17E+00	8.33E-04	6.64E-03	6.30E-03	2.18E+00	2.26E+00	8.51E+00	6.05E-01	2.15E-01	1.16E+01	2.26E+00	9.75E-04	6.64E-03	6.30E-03	2.27E+00
1038	490161.24	3859766.13	2.12E+00	8.13E-04	6.45E-03	6.30E-03	2.13E+00	2.21E+00	8.31E+00	5.88E-01	2.15E-01	1.13E+01	2.20E+00	9.51E-04	6.45E-03	6.30E-03	2.22E+00
1039	490211.24	3859766.13	2.04E+00	7.94E-04	6.76E-03	6.29E-03	2.05E+00	2.12E+00	8.11E+00	6.17E-01	2.15E-01	1.11E+01	2.12E+00	9.29E-04	6.76E-03	6.29E-03	2.13E+00
1040	490061.24	3859816.13	2.30E+00	8.75E-04	6.01E-03	6.87E-03	2.32E+00	2.40E+00	8.94E+00	5.48E-01	2.35E-01	1.21E+01	2.40E+00	1.02E-03	6.01E-03	6.87E-03	2.41E+00
1041	490111.24	3859816.13	2.22E+00	8.56E-04	6.54E-03	6.72E-03	2.24E+00	2.32E+00	8.74E+00	5.97E-01	2.30E-01	1.19E+01	2.31E+00	1.00E-03	6.54E-03	6.72E-03	2.33E+00
1042	490161.24	3859816.13	2.15E+00	8.30E-04	6.40E-03	6.53E-03	2.16E+00	2.24E+00	8.48E+00	5.84E-01	2.23E-01	1.15E+01	2.24E+00	9.71E-04	6.40E-03	6.53E-03	2.25E+00
1043	490211.24	3859816.13	2.10E+00	8.09E-04	6.17E-03	6.40E-03	2.11E+00	2.19E+00	8.26E+00	5.63E-01	2.19E-01	1.12E+01	2.19E+00	9.46E-04	6.17E-03	6.40E-03	2.20E+00
1044	490061.24	3859866.13	2.34E+00	8.79E-04	4.96E-03	6.97E-03	2.35E+00	2.44E+00	8.98E+00	4.52E-01	2.38E-01	1.21E+01	2.44E+00	1.03E-03	4.96E-03	6.97E-03	2.45E+00
1045	490111.24	3859866.13	2.28E+00	8.60E-04	5.79E-03	6.89E-03	2.29E+00	2.38E+00	8.78E+00	5.28E-01	2.35E-01	1.19E+01	2.37E+00	1.01E-03	5.79E-03	6.89E-03	2.39E+00
1046	490161.24	3859866.13	2.21E+00	8.41E-04	6.28E-03	6.77E-03	2.22E+00	2.31E+00	8.59E+00	5.72E-01	2.31E-01	1.17E+01	2.30E+00	9.84E-04	6.28E-03	6.77E-03	2.32E+00
1047	490211.24	3859866.13	2.12E+00	8.24E-04	6.18E-03	6.56E-03	2.14E+00	2.22E+00	8.42E+00	5.64E-01	2.24E-01	1.14E+01	2.21E+00	9.64E-04	6.18E-03	6.56E-03	2.22E+00
1048	490061.24	3859916.13	2.30E+00	8.83E-04	4.59E-03	7.52E-03	2.31E+00	2.40E+00	9.02E+00	4.19E-01	2.57E-01	1.21E+01	2.39E+00	1.03E-03	4.59E-03	7.52E-03	2.41E+00
1049	490111.24	3859916.13	2.31E+00	8.58E-04	4.85E-03	7.37E-03	2.32E+00	2.41E+00	8.76E+00	4.42E-01	2.52E-01	1.19E+01	2.41E+00	1.00E-03	4.85E-03	7.37E-03	2.42E+00
1050	490161.24	3859916.13	2.25E+00	8.46E-04	5.50E-03	7.11E-03	2.26E+00	2.35E+00	8.65E+00	5.01E-01	2.43E-01	1.17E+01	2.34E+00	9.90E-04	5.50E-03	7.11E-03	2.36E+00
1051	490211.24	3859916.13	2.19E+00	8.30E-04	6.03E-03	6.90E-03	2.20E+00	2.28E+00	8.48E+00	5.50E-01	2.36E-01	1.16E+01	2.28E+00	9.72E-04	6.03E-03	6.90E-03	2.29E+00
1052	490229.25	3859815.26	2.06E+00	8.02E-04	6.24E-03	6.35E-03	2.08E+00	2.15E+00	8.19E+00	5.69E-01	2.17E-01	1.11E+01	2.15E+00	9.38E-04	6.24E-03	6.35E-03	2.16E+00
1053	490279.25	3859815.26	2.00E+00	7.84E-04	6.49E-03	6.20E-03	2.01E+00	2.08E+00	8.01E+00	5.92E-01	2.12E-01	1.09E+01	2.08E+00	9.17E-04	6.49E-03	6.20E-03	2.09E+00
1054	490329.25	3859815.26	1.94E+00	7.66E-04	6.50E-03	6.07E-03	1.95E+00	2.03E+00	7.83E+00	5.93E-01	2.07E-01	1.07E+01	2.02E+00	8.96E-04	6.50E-03	6.07E-03	2.03E+00
1055	490379.25	3859815.26	1.89E+00	7.48E-04	6.67E-03	5.95E-03	1.90E+00	1.97E+00	7.65E+00	6.09E-01	2.04E-01	1.04E+01	1.96E+00	8.76E-04	6.67E-03	5.95E-03	1.98E+00
1056	490429.25	3859815.26	1.90E+00	7.18E-04	6.59E-03	5.90E-03	1.92E+00	1.99E+00	7.34E+00	6.01E-01	2.02E-01	1.01E+01	1.98E+00	8.40E-04	6.59E-03	5.90E-03	1.99E+00
1057	490229.25	3859865.26	2.11E+00	8.15E-04	6.15E-03	6.47E-03	2.12E+00	2.20E+00	8.32E+00	5.61E-01	2.21E-01	1.13E+01	2.19E+00	9.53E-04	6.15E-03	6.47E-03	2.21E+00
1058	490279.25	3859865.26	2.05E+00	7.95E-04	5.92E-03	6.34E-03	2.06E+00	2.14E+00	8.12E+00	5.40E-01	2.17E-01	1.10E+01	2.14E+00	9.30E-04	5.92E-03	6.34E-03	2.15E+00
1059	490329.25	3859865.26	1.98E+00	7.80E-04	6.15E-03	6.24E-03	1.99E+00	2.06E+00	7.97E+00	5.61E-01	2.13E-01	1.08E+01	2.06E+00	9.12E-04	6.15E-03	6.24E-03	2.07E+00
1060	490379.25	3859865.26	1.93E+00	7.62E-04	6.17E-03	6.15E-03	1.94E+00	2.01E+00	7.78E+00	5.63E-01	2.10E-01	1.06E+01	2.01E+00	8.91E-04	6.17E-03	6.15E-03	2.02E+00
1061	490429.25	3859865.26	1.85E+00	7.43E-04	6.34E-03	6.06E-03	1.87E+00	1.93E+00	7.60E+00	5.78E-01	2.07E-01	1.03E+01	1.93E+00	8.70E-04	6.34E-03	6.06E-03	1.94E+00
1062	490229.25	3859915.26	2.16E+00	8.24E-04	6.05E-03	6.83E-03	2.17E+00	2.25E+00	8.42E+00	5.51E-01	2.34E-01	1.15E+01	2.25E+00	9.64E-04	6.05E-03	6.83E-03	2.26E+00
1063	490279.25	3859915.26	2.08E+00	8.06E-04	5.97E-03	6.73E-03	2.09E+00	2.17E+00	8.24E+00	5.45E-01	2.30E-01	1.12E+01	2.17E+00	9.43E-04	5.97E-03	6.73E-03	2.18E+00
1064	490329.25	3859915.26	2.04E+00	7.91E-04	5.63E-03	6.62E-03	2.05E+00	2.12E+00	8.08E+00	5.14E-01	2.27E-01	1.09E+01	2.12E+00	9.25E-04	5.63E-03	6.62E-03	2.13E+00
1065	490379.25	3859915.26	1.95E+00	7.72E-04	5.84E-03	6.51E-03	1.96E+00	2.03E+00	7.89E+00	5.32E-01	2.23E-01	1.07E+01	2.03E+00	9.04E-04	5.84E-03	6.51E-03	2.04E+00
1066	490429.25	3859915.26	1.89E+00	7.57E-04	5.98E-03	6.40E-03	1.91E+00	1.98E+00	7.73E+00	5.46E-01	2.19E-01	1.05E+01	1.97E+00	8.86E-04	5.98E-03	6.40E-03	1.99E+00
1067	490451.43	3859872.59	1.86E+00	7.38E-04	6.33E-03	6.04E-03	1.87E+00	1.94E+00	7.54E+00	5.78E-01	2.06E-01	1.03E+01	1.94E+00	8.64E-04	6.33E-03	6.04E-03	1.95E+00
1068	490501.43	3859872.59	1.87E+00	7.22E-04	6.46E-03	5.96E-03	1.88E+00	1.95E+00	7.37E+00	5.89E-01	2.04E-01	1.01E+01	1.94E+00	8.44E-04	6.46E-03	5.96E-03	1.96E+00
1069	490551.43	3859872.59	1.87E+00	6.98E-04	6.58E-03	5.89E-03	1.89E+00	1.96E+00	7.13E+00	6.00E-01	2.02E-01	9.89E+00	1.95E+00	8.17E-04	6.58E-03	5.89E-03	1.97E+00
1070	490601.43	3859872.59	1.85E+00	6.80E-04	6.60E-03	5.82E-03	1.86E+00	1.93E+00	6.95E+00	6.02E-01	1.99E-01	9.68E+00	1.92E+00	7.95E-04	6.60E-03	5.82E-03	1.94E+00
1071	490451.43	3859922.59	1.88E+00	7.52E-04	5.89E-03	6.39E-03	1.89E+00	1.96E+00	7.68E+00	5.37E-01	2.18E-01	1.04E+01	1.96E+00	8.79E-04	5.89E-03	6.39E-03	1.97E+00
1072	490501.43	3859922.59	1.83E+00	7.33E-04	6.03E-03	6.31E-03	1.84E+00	1.91E+00	7.49E+00	5.50E-01	2.16E-01	1.02E+01	1.90E+00	8.57E-04	6.03E-03	6.31E-03	1.91E+00
1073	490551.43	3859922.59	1.85E+00	7.17E-04	6.23E-03	6.24E-03	1.86E+00	1.93E+00	7.32E+00	5.68E-01	2.13E-01	1.00E+01	1.92E+00	8.39E-04	6.23E-03	6.24E-03	1.94E+00
1074	490601.43	3859922.59	1.84E+00	7.04E-04	6.42E-03	6.16E-03	1.85E+00	1.92E+00	7.20E+00	5.86E-01	2.11E-01	9.91E+00	1.92E+00	8.24E-04	6.42E-03	6.16E-03	1.93E+00
1075	482129.67	3852241.07	2.04E+00	2.35E-04	7.12E-04	1.20E-03	2.05E+00	2.13E+00	2.40E+00	6.50E-02	4.12E-02	4.64E+00	2.13E+00	2.75E-04	7.12E-04	1.20E-03	2.13E+00
1076	482029.67	3852291.07	2.18E+00	2.44E-04	7.00E-04	1.16E-03	2.18E+00	2.27E+00	2.50E+00	6.39E-02	3.96E-02	4.87E+00	2.27E+00	2.86E-04	7.00E-04	1.16E-03	2.27E+00
1077	482079.67	3852291.07	2.10E+00	2.39E-04	7.06E-04	1.17E-03	2.10E+00	2.19E+00	2.44E+00	6.44E-02	4.01E-02	4.73E+00	2.18E+00	2.80E-04	7.06E-04	1.17E-03	2.19E+00
1078	482129.67	3852291.07	2.08E+00	2.39E-04	7.19E-04	1.20E-03	2.08E+00	2.17E+00	2.44E+00	6.56E-02	4.11E-02	4.72E+00	2.16E+00	2.80E-04	7.19E-04	1.20E-03	2.16E+00
1079	482179.67	3852291.07	2.08E+00	2.37E-04	7.17E-04	1.23E-03	2.08E+00	2.17E+00	2.42E+00	6.54E-02	4.21E-02	4.69E+00	2.16E+00	2.77E-04	7.17E-04	1.23E-03	2.16E+00
1080	482229.67	3852291.07	2.10E+00	2.28E-04	7.11E-04	1.27E-03	2.10E+00	2.19E+00	2.33E+00	6.48E-02	4.33E-02	4.62E+00	2.18E+00	2.66E-04	7.11E-04	1.27E-03	2.18E+00
1081	482029.67	3852341.07	2.25E+00	2.57E-04	7.00E-04	1.16E-03	2.25E+00	2.34E+00	2.63E+00	6.38E-02	3.97E-02	5.08E+00	2.34E+00	3.01E-04	7.00E-04	1.16E-03	2.34E+00
1082	482079.67	3852341.07	2.21E+00	2.45E-04	7.05E-04	1.18E-03	2.21E+00	2.31E+00	2.51E+00	6.43E-02	4.05E-02	4.92E+00	2.30E+00	2.87E-04	7.05E-04	1.18E-03	2.30E+00
1083	482129.67	3852341.07	2.13E+00	2.45E-04	7.11E-04	1.20E-03	2.13E+00	2.22E+00	2.50E+00	6.49E-02	4.10E-02	4.83E+00	2.22E+00	2.87E-04	7.11E-04	1.20E-03	2.22E+00
1084	482179.67	3852341.07	2.11E+00	2.47E-04	7.24E-04	1.23E-03	2.11E+00	2.20E+00	2.52E+00	6.60E-02	4.21E-02	4.83E+00	2.20E+00	2.88E-04	7.24E-04	1.23E-03	2.20E+00
1085	482259.06	3852400.14	2.17E+00	2.57E-04	7.34E-04	1.29E-03	2.17E+00	2.27E+00	2.62E+00	6.69E-02	4.40E-02	5.00E+00	2.26E+00	3.00E-04	7.34E-04	1.29E-03	2.26E+00
1086	482309.06	3852400.14	2.16E+00	2.47E-04	7.28E-04	1.33E-03	2.16E+00	2.25E+00	2.52E+00	6.64E-02	4.54E-02	4.89E+00	2.25E+00	2.88E-04	7.28E-04	1.33E-03	2.25E+00
1087	482209.06	3852450.14	2.26E+00	2.70E-04	7.22E-04	1.25E-03	2.26E+00	2.36E+00	2.76E+00	6.59E-02	4.28E-02	5.23E+00	2.35E+00	3.16E-04	7.22E-04	1.25E-03	2.36E+00
1088	482259.06	3852450.14	2.18E+00	2.63E-04	7.27E-04	1.29E-03	2.19E+00	2.28E+00	2.69E+00	6.63E-02	4.40E-02	5.08E+00	2.27E+00	3.08E-04	7.27E-04	1.29E-03	2.28E+00
1089	482309.06	3852450.14	2.23E+00	2.55E-04	7.37E-04	1.32E-03	2.23E+00	2.32E+00	2.60E+00	6.72E-02	4.52E-02	5.04E+00	2.32E+00	2.98E-04	7.37E-04	1.32E-03	2.32E+00
1090	482209.06	3852500.14	2.40E+00	2.73E-04	7.21E-04	1.25E-03	2.40E+00	2.50E+00	2.79E+00	6.58E-02	4.28E-02	5.40E+00	2.50E+00	3.20E-04	7.21E-04	1.25E-03	2.50E+00
1091	482259.06	3852500.14	2.31E+00	2.70E-04	7.27E-04	1.29E-03	2.31E+00	2.41E+00	2.76E+00	6.63E-02	4.40E-02	5.28E+00	2.40E+00	3.16E-04	7.27E-04	1.29E-03	2.41E+00
1092	482309.06	3852500.14	2.23E+00	2.64E-04	7.31E-04	1.32E-03	2.23E+00	2.33E+00	2.70E+00	6.67E-02	4.53E-02	5.14E+00	2.32E+00	3.09E-04	7.31E-04	1.32E-03	2.32E+00
1093	482283.91	3852513.62	2.30E+00	2.70E-04	7.29E-04	1.30E-03	2.30E+00	2.40E+00	2.75E+00	6.65E-02	4.46E-02	5.26E+00	2.39E+00	3.15E-04	7.29E-04	1.30E-03	2.39E+00
1094	482333.91	3852513.62	2.24E+00	2.62E-04	7.34E-04	1.34E-03	2.24E+00	2.34E+00	2.67E+00	6.69E-02	4.59E-02	5.12E+00	2.33E+00	3.06E-04	7.34E-04	1.34E-03	2.33E+00

1095	482283.91	3852563.62	2.45E+00	2.78E-04	7.29E-04	1.31E-03	2.45E+00	2.55E+00	2.84E+00	6.65E-02	4.46E-02	5.50E+00	2.55E+00	3.25E-04	7.29E-04	1.31E-03	2.55E+00
1096	482333.91	3852563.62	2.33E+00	2.73E-04	7.35E-04	1.34E-03	2.33E+00	2.43E+00	2.79E+00	6.70E-02	4.60E-02	5.34E+00	2.43E+00	3.20E-04	7.35E-04	1.34E-03	2.43E+00
1097	482383.91	3852563.62	2.27E+00	2.65E-04	7.41E-04	1.38E-03	2.27E+00	2.37E+00	2.70E+00	6.76E-02	4.71E-02	5.19E+00	2.37E+00	3.10E-04	7.41E-04	1.38E-03	2.37E+00
1098	482283.91	3852613.62	2.49E+00	2.82E-04	7.27E-04	1.31E-03	2.49E+00	2.60E+00	2.88E+00	6.63E-02	4.47E-02	5.59E+00	2.60E+00	3.30E-04	7.27E-04	1.31E-03	2.60E+00
1099	482333.91	3852613.62	2.49E+00	2.79E-04	7.34E-04	1.34E-03	2.49E+00	2.60E+00	2.85E+00	6.70E-02	4.59E-02	5.57E+00	2.59E+00	3.27E-04	7.34E-04	1.34E-03	2.60E+00
1100	482383.91	3852613.62	2.37E+00	2.74E-04	7.41E-04	1.39E-03	2.37E+00	2.47E+00	2.80E+00	6.76E-02	4.76E-02	5.39E+00	2.47E+00	3.21E-04	7.41E-04	1.39E-03	2.47E+00
1101	482602.38	3852600.87	2.31E+00	2.38E-04	7.54E-04	1.51E-03	2.31E+00	2.41E+00	2.43E+00	6.88E-02	5.16E-02	4.96E+00	2.40E+00	2.79E-04	7.54E-04	1.51E-03	2.41E+00
1102	482652.38	3852600.87	2.30E+00	2.30E-04	7.63E-04	1.55E-03	2.30E+00	2.40E+00	2.35E+00	6.96E-02	5.29E-02	4.88E+00	2.39E+00	2.70E-04	7.63E-04	1.55E-03	2.40E+00
1103	482702.38	3852600.87	2.11E+00	2.16E-04	7.66E-04	1.53E-03	2.11E+00	2.20E+00	2.20E+00	6.99E-02	5.23E-02	4.53E+00	2.20E+00	2.52E-04	7.66E-04	1.53E-03	2.20E+00
1104	482552.38	3852650.87	2.42E+00	2.62E-04	7.58E-04	1.45E-03	2.43E+00	2.53E+00	2.68E+00	6.92E-02	4.94E-02	5.33E+00	2.52E+00	3.07E-04	7.58E-04	1.45E-03	2.53E+00
1105	482602.38	3852650.87	2.42E+00	2.54E-04	7.58E-04	1.52E-03	2.43E+00	2.53E+00	2.59E+00	6.91E-02	5.21E-02	5.24E+00	2.52E+00	2.97E-04	7.58E-04	1.52E-03	2.53E+00
1106	482652.38	3852650.87	2.36E+00	2.44E-04	7.62E-04	1.57E-03	2.37E+00	2.47E+00	2.49E+00	6.95E-02	5.37E-02	5.08E+00	2.46E+00	2.85E-04	7.62E-04	1.57E-03	2.46E+00
1107	482702.38	3852650.87	2.32E+00	2.38E-04	7.71E-04	1.55E-03	2.32E+00	2.42E+00	2.43E+00	7.03E-02	5.31E-02	4.97E+00	2.41E+00	2.79E-04	7.71E-04	1.55E-03	2.42E+00
1108	482552.38	3852700.87	2.43E+00	2.70E-04	7.66E-04	1.43E-03	2.44E+00	2.54E+00	2.76E+00	6.99E-02	4.91E-02	5.42E+00	2.53E+00	3.16E-04	7.66E-04	1.43E-03	2.54E+00
1109	482602.38	3852700.87	2.47E+00	2.69E-04	7.65E-04	1.51E-03	2.48E+00	2.58E+00	2.74E+00	6.98E-02	5.16E-02	5.45E+00	2.58E+00	3.14E-04	7.65E-04	1.51E-03	2.58E+00
1110	482652.38	3852700.87	2.45E+00	2.67E-04	7.68E-04	1.59E-03	2.45E+00	2.56E+00	2.72E+00	7.01E-02	5.42E-02	5.40E+00	2.55E+00	3.12E-04	7.68E-04	1.59E-03	2.55E+00
1111	482702.38	3852700.87	2.43E+00	2.55E-04	7.72E-04	1.58E-03	2.44E+00	2.54E+00	2.61E+00	7.04E-02	5.39E-02	5.27E+00	2.53E+00	2.98E-04	7.72E-04	1.58E-03	2.54E+00
1112	482452.38	3852750.87	2.67E+00	2.80E-04	7.45E-04	1.42E-03	2.67E+00	2.78E+00	2.86E+00	6.80E-02	4.87E-02	5.76E+00	2.78E+00	3.28E-04	7.45E-04	1.42E-03	2.78E+00
1113	482521.29	3852749.74	2.49E+00	2.78E-04	7.54E-04	1.42E-03	2.49E+00	2.60E+00	2.84E+00	6.88E-02	4.85E-02	5.56E+00	2.60E+00	3.25E-04	7.54E-04	1.42E-03	2.60E+00
1114	482571.29	3852749.74	2.45E+00	2.82E-04	7.62E-04	1.44E-03	2.45E+00	2.55E+00	2.88E+00	6.95E-02	4.92E-02	5.55E+00	2.55E+00	3.30E-04	7.62E-04	1.44E-03	2.55E+00
1115	482521.29	3852799.74	2.67E+00	2.82E-04	7.54E-04	1.43E-03	2.67E+00	2.78E+00	2.88E+00	6.88E-02	4.90E-02	5.78E+00	2.78E+00	3.30E-04	7.54E-04	1.43E-03	2.78E+00
1116	482571.29	3852799.74	2.53E+00	2.89E-04	7.61E-04	1.43E-03	2.53E+00	2.64E+00	2.96E+00	6.94E-02	4.88E-02	5.72E+00	2.64E+00	3.38E-04	7.61E-04	1.43E-03	2.64E+00
1117	482621.29	3852799.74	2.50E+00	2.88E-04	7.69E-04	1.51E-03	2.50E+00	2.61E+00	2.94E+00	7.01E-02	5.15E-02	5.67E+00	2.60E+00	3.37E-04	7.69E-04	1.51E-03	2.60E+00
1118	482571.29	3852849.74	2.72E+00	2.90E-04	7.59E-04	1.44E-03	2.72E+00	2.84E+00	2.96E+00	6.93E-02	4.91E-02	5.92E+00	2.83E+00	3.39E-04	7.59E-04	1.44E-03	2.84E+00
1119	482621.29	3852849.74	2.58E+00	2.91E-04	7.65E-04	1.49E-03	2.58E+00	2.69E+00	2.97E+00	6.98E-02	5.09E-02	5.79E+00	2.69E+00	3.41E-04	7.65E-04	1.49E-03	2.69E+00
1120	482577.42	3852901.55	2.86E+00	2.90E-04	7.60E-04	1.45E-03	2.86E+00	2.99E+00	2.97E+00	6.94E-02	4.97E-02	6.07E+00	2.98E+00	3.40E-04	7.60E-04	1.45E-03	2.98E+00
1121	482627.42	3852901.55	2.77E+00	2.93E-04	7.64E-04	1.48E-03	2.77E+00	2.89E+00	3.00E+00	6.97E-02	5.06E-02	6.00E+00	2.88E+00	3.43E-04	7.64E-04	1.48E-03	2.88E+00
1122	482629.96	3852955.85	2.94E+00	2.98E-04	7.66E-04	1.49E-03	2.94E+00	3.06E+00	3.04E+00	6.98E-02	5.09E-02	6.23E+00	3.06E+00	3.48E-04	7.66E-04	1.49E-03	3.06E+00
1123	482679.96	3852955.85	2.84E+00	3.01E-04	7.69E-04	1.56E-03	2.84E+00	2.96E+00	3.07E+00	7.01E-02	5.32E-02	6.16E+00	2.96E+00	3.52E-04	7.69E-04	1.56E-03	2.96E+00
1124	482781.63	3853034.48	2.94E+00	2.93E-04	7.79E-04	1.62E-03	2.95E+00	3.07E+00	2.99E+00	7.10E-02	5.54E-02	6.19E+00	3.07E+00	3.43E-04	7.79E-04	1.62E-03	3.07E+00
1125	482831.63	3853034.48	2.77E+00	2.78E-04	7.85E-04	1.69E-03	2.77E+00	2.89E+00	2.84E+00	7.16E-02	5.77E-02	5.86E+00	2.89E+00	3.25E-04	7.85E-04	1.69E-03	2.89E+00
1126	482881.63	3853034.48	2.88E+00	2.62E-04	7.99E-04	1.71E-03	2.88E+00	3.01E+00	2.68E+00	7.29E-02	5.85E-02	5.81E+00	3.00E+00	3.07E-04	7.99E-04	1.71E-03	3.00E+00
1127	482781.63	3853084.48	3.09E+00	3.03E-04	7.79E-04	1.60E-03	3.10E+00	3.23E+00	3.10E+00	7.10E-02	5.48E-02	6.45E+00	3.22E+00	3.55E-04	7.79E-04	1.60E-03	3.22E+00
1128	482831.63	3853084.48	3.01E+00	2.89E-04	7.84E-04	1.68E-03	3.01E+00	3.14E+00	2.95E+00	7.15E-02	5.73E-02	6.22E+00	3.13E+00	3.38E-04	7.84E-04	1.68E-03	3.14E+00
1129	482881.63	3853084.48	2.84E+00	2.73E-04	7.91E-04	1.70E-03	2.84E+00	2.96E+00	2.79E+00	7.21E-02	5.82E-02	5.88E+00	2.95E+00	3.19E-04	7.91E-04	1.70E-03	2.96E+00
1130	482781.63	3853134.48	3.13E+00	3.13E-04	7.85E-04	1.59E-03	3.14E+00	3.27E+00	3.20E+00	7.15E-02	5.44E-02	6.60E+00	3.26E+00	3.67E-04	7.85E-04	1.59E-03	3.27E+00
1131	482831.63	3853134.48	3.16E+00	3.01E-04	7.85E-04	1.67E-03	3.16E+00	3.30E+00	3.08E+00	7.16E-02	5.70E-02	6.50E+00	3.29E+00	3.52E-04	7.85E-04	1.67E-03	3.29E+00
1132	482881.63	3853134.48	3.07E+00	2.87E-04	7.91E-04	1.69E-03	3.07E+00	3.20E+00	2.93E+00	7.21E-02	5.79E-02	6.26E+00	3.19E+00	3.35E-04	7.91E-04	1.69E-03	3.20E+00
1133	482831.63	3853184.48	3.21E+00	3.13E-04	7.91E-04	1.65E-03	3.21E+00	3.35E+00	3.19E+00	7.21E-02	5.65E-02	6.67E+00	3.34E+00	3.66E-04	7.91E-04	1.65E-03	3.34E+00
1134	482881.63	3853184.48	3.22E+00	2.99E-04	7.93E-04	1.68E-03	3.22E+00	3.36E+00	3.06E+00	7.23E-02	5.75E-02	6.55E+00	3.35E+00	3.50E-04	7.93E-04	1.68E-03	3.36E+00
1135	484154.84	3854250.98	4.31E+00	1.26E-04	1.04E-03	2.32E-03	4.31E+00	4.49E+00	1.29E+00	9.51E-02	7.94E-02	5.96E+00	4.48E+00	1.48E-04	1.04E-03	2.32E-03	4.49E+00
1136	484204.84	3854250.98	4.29E+00	1.21E-04	1.08E-03	2.29E-03	4.30E+00	4.48E+00	1.23E+00	9.82E-02	7.84E-02	5.89E+00	4.47E+00	1.41E-04	1.08E-03	2.29E-03	4.48E+00
1137	484154.84	3854300.98	4.48E+00	1.22E-04	1.02E-03	2.54E-03	4.48E+00	4.67E+00	1.24E+00	9.32E-02	8.69E-02	6.10E+00	4.66E+00	1.42E-04	1.02E-03	2.54E-03	4.67E+00
1138	484204.84	3854300.98	4.16E+00	1.17E-04	1.06E-03	2.67E-03	4.16E+00	4.34E+00	1.20E+00	9.63E-02	9.15E-02	5.73E+00	4.33E+00	1.37E-04	1.06E-03	2.67E-03	4.33E+00
1139	484074.19	3854519.8	4.92E+00	1.18E-04	9.97E-04	3.71E-03	4.92E+00	5.13E+00	1.21E+00	9.09E-02	1.27E-01	6.56E+00	5.12E+00	1.38E-04	9.97E-04	3.71E-03	5.13E+00
1140	484124.19	3854519.8	5.01E+00	1.13E-04	9.81E-04	3.59E-03	5.02E+00	5.23E+00	1.15E+00	8.95E-02	1.23E-01	6.59E+00	5.22E+00	1.32E-04	9.81E-04	3.59E-03	5.22E+00
1141	484074.19	3854569.8	4.65E+00	1.17E-04	1.01E-03	3.97E-03	4.65E+00	4.85E+00	1.20E+00	9.25E-02	1.36E-01	6.28E+00	4.84E+00	1.37E-04	1.01E-03	3.97E-03	4.84E+00
1142	484124.19	3854569.8	4.83E+00	1.13E-04	1.01E-03	3.95E-03	4.84E+00	5.04E+00	1.15E+00	9.21E-02	1.35E-01	6.42E+00	5.03E+00	1.32E-04	1.01E-03	3.95E-03	5.04E+00
1143	485205.11	3855188.89	5.05E+00	1.39E-04	1.60E-03	5.08E-03	5.05E+00	5.27E+00	1.43E+00	1.46E-01	1.74E-01	7.01E+00	5.26E+00	1.63E-04	1.60E-03	5.08E-03	5.26E+00
1144	485255.11	3855188.89	4.51E+00	1.33E-04	1.60E-03	4.85E-03	4.52E+00	4.71E+00	1.36E+00	1.46E-01	1.66E-01	6.38E+00	4.70E+00	1.55E-04	1.60E-03	4.85E-03	4.70E+00
1145	485205.11	3855238.89	5.40E+00	1.39E-04	1.55E-03	5.20E-03	5.41E+00	5.64E+00	1.42E+00	1.41E-01	1.78E-01	7.38E+00	5.63E+00	1.63E-04	1.55E-03	5.20E-03	5.63E+00
1146	485255.11	3855238.89	4.94E+00	1.38E-04	1.63E-03	5.25E-03	4.95E+00	5.16E+00	1.41E+00	1.49E-01	1.80E-01	6.90E+00	5.15E+00	1.62E-04	1.63E-03	5.25E-03	5.16E+00
1147	485205.11	3855288.89	6.15E+00	1.49E-04	1.49E-03	4.95E-03	6.16E+00	6.42E+00	1.52E+00	1.36E-01	1.69E-01	8.24E+00	6.40E+00	1.74E-04	1.49E-03	4.95E-03	6.41E+00
1148	485255.11	3855288.89	5.63E+00	1.50E-04	1.58E-03	5.10E-03	5.64E+00	5.87E+00	1.53E+00	1.44E-01	1.74E-01	7.72E+00	5.86E+00	1.75E-04	1.58E-03	5.10E-03	5.87E+00
1149	485255.11	3855338.89	6.30E+00	1.57E-04	1.52E-03	5.34E-03	6.31E+00	6.57E+00	1.61E+00	1.39E-01	1.82E-01	8.50E+00	6.56E+00	1.84E-04	1.52E-03	5.34E-03	6.57E+00
1150	485305.11	3855338.89	5.83E+00	1.53E-04	1.61E-03	5.39E-03	5.84E+00	6.08E+00	1.57E+00	1.47E-01	1.84E-01	7.98E+00	6.07E+00	1.80E-04	1.61E-03	5.39E-03	6.08E+00
1151	485852.5	3855635.28	5.53E+00	1.49E-04	1.91E-03	7.42E-03	5.54E+00	5.77E+00	1.53E+00	1.74E-01	2.54E-01	7.73E+00	5.76E+00	1.75E-04	1.91E-03	7.42E-03	5.77E+00
1152	485902.5	3855635.28	5.17E+00	1.41E-04	1.90E-03	7.66E-03	5.18E+00	5.40E+00	1.44E+00	1.74E-01	2.62E-01	7.27E+00	5.39E+00	1.65E-04	1.90E-03	7.66E-03	5.40E+00
1153	485852.5	3855685.28	5.86E+00	1.53E-04	1.98E-03	8.01E-03	5.87E+00	6.11E+00	1.56E+00	1.80E-01	2.74E-01	8.13E+00	6.10E+00	1.79E-04	1.98E-03	8.01E-03	6.11E+00
1154	485902.5	3855685.28	5.52E+00	1.45E-04	1.96E-03	8.17E-03	5.54E+00	5.76E+00	1.48E+00	1.79E-01	2.79E-01	7.71E+00	5.75E+00	1.70E-04	1.96E-03	8.17E-03	5.76E+00
1155	485852.5	3855735.28	6.20E+00	1.55E-04	2.08E-03	8.76E-03	6.21E+00	6.47E+00	1.58E+00	1.90E-01	3.00E-01	8.54E+00	6.46E+00	1.81E-04	2.08E-03	8.76E-03	6.47E+00

1156	485902.5	3855735.28	5.94E+00	1.52E-04	2.03E-03	8.93E-03	5.95E+00	6.19E+00	1.55E+00	1.85E-01	3.05E-01	8.23E+00	6.18E+00	1.78E-04	2.03E-03	8.93E-03	6.19E+00
1157	485852.5	3855785.28	6.65E+00	1.61E-04	2.23E-03	9.46E-03	6.66E+00	6.94E+00	1.65E+00	2.03E-01	3.23E-01	9.12E+00	6.93E+00	1.89E-04	2.23E-03	9.46E-03	6.94E+00
1158	485902.5	3855785.28	6.22E+00	1.53E-04	2.15E-03	9.76E-03	6.23E+00	6.49E+00	1.56E+00	1.96E-01	3.34E-01	8.58E+00	6.47E+00	1.79E-04	2.15E-03	9.76E-03	6.49E+00
1159	486809.46	3856465.28	6.15E+00	1.41E-04	3.49E-03	8.09E-03	6.16E+00	6.42E+00	1.44E+00	3.19E-01	2.77E-01	8.46E+00	6.41E+00	1.65E-04	3.49E-03	8.09E-03	6.42E+00
1160	486859.46	3856465.28	6.00E+00	1.41E-04	3.61E-03	8.06E-03	6.01E+00	6.26E+00	1.44E+00	3.29E-01	2.76E-01	8.31E+00	6.25E+00	1.65E-04	3.61E-03	8.06E-03	6.26E+00
1161	486909.46	3856465.28	5.84E+00	1.42E-04	3.50E-03	7.98E-03	5.85E+00	6.09E+00	1.45E+00	3.19E-01	2.73E-01	8.13E+00	6.08E+00	1.66E-04	3.50E-03	7.98E-03	6.09E+00
1162	486809.46	3856515.28	6.43E+00	1.43E-04	3.62E-03	8.34E-03	6.44E+00	6.70E+00	1.47E+00	3.30E-01	2.85E-01	8.79E+00	6.69E+00	1.68E-04	3.62E-03	8.34E-03	6.70E+00
1163	486859.46	3856515.28	6.29E+00	1.48E-04	3.65E-03	8.17E-03	6.30E+00	6.56E+00	1.51E+00	3.33E-01	2.79E-01	8.68E+00	6.55E+00	1.73E-04	3.65E-03	8.17E-03	6.56E+00
1164	486909.46	3856515.28	6.13E+00	1.48E-04	3.76E-03	8.07E-03	6.14E+00	6.39E+00	1.51E+00	3.43E-01	2.76E-01	8.52E+00	6.38E+00	1.73E-04	3.76E-03	8.07E-03	6.39E+00
1165	486980.94	3856357.95	5.16E+00	1.33E-04	3.93E-03	8.20E-03	5.17E+00	5.38E+00	1.36E+00	3.59E-01	2.81E-01	7.38E+00	5.37E+00	1.56E-04	3.93E-03	8.20E-03	5.38E+00
1166	487030.94	3856357.95	5.03E+00	1.33E-04	3.99E-03	8.19E-03	5.04E+00	5.25E+00	1.36E+00	3.64E-01	2.80E-01	7.25E+00	5.24E+00	1.56E-04	3.99E-03	8.19E-03	5.25E+00
1167	486980.94	3856407.95	5.40E+00	1.39E-04	4.06E-03	7.92E-03	5.42E+00	5.64E+00	1.42E+00	3.70E-01	2.71E-01	7.71E+00	5.63E+00	1.63E-04	4.06E-03	7.92E-03	5.64E+00
1168	487030.94	3856407.95	5.27E+00	1.40E-04	4.09E-03	7.89E-03	5.28E+00	5.50E+00	1.43E+00	3.73E-01	2.70E-01	7.57E+00	5.49E+00	1.64E-04	4.09E-03	7.89E-03	5.50E+00
1169	487447.18	3856437.45	4.40E+00	1.60E-04	4.11E-03	7.28E-03	4.41E+00	4.59E+00	1.63E+00	3.75E-01	2.49E-01	6.85E+00	4.58E+00	1.87E-04	4.11E-03	7.28E-03	4.60E+00
1170	487497.18	3856437.45	4.30E+00	1.65E-04	4.70E-03	7.14E-03	4.31E+00	4.49E+00	1.68E+00	4.29E-01	2.44E-01	6.85E+00	4.48E+00	1.93E-04	4.70E-03	7.14E-03	4.49E+00
1171	487547.18	3856437.45	4.20E+00	1.68E-04	5.36E-03	7.05E-03	4.21E+00	4.38E+00	1.71E+00	4.89E-01	2.41E-01	6.83E+00	4.37E+00	1.96E-04	5.36E-03	7.05E-03	4.39E+00
1172	487447.18	3856487.45	4.58E+00	1.68E-04	4.35E-03	7.05E-03	4.59E+00	4.77E+00	1.72E+00	3.97E-01	2.41E-01	7.13E+00	4.76E+00	1.97E-04	4.35E-03	7.05E-03	4.78E+00
1173	487497.18	3856487.45	4.46E+00	1.73E-04	4.92E-03	6.93E-03	4.47E+00	4.66E+00	1.76E+00	4.48E-01	2.37E-01	7.10E+00	4.65E+00	2.02E-04	4.92E-03	6.93E-03	4.66E+00
1174	487547.18	3856487.45	4.38E+00	1.76E-04	4.97E-03	6.86E-03	4.39E+00	4.56E+00	1.79E+00	4.54E-01	2.35E-01	7.05E+00	4.56E+00	2.05E-04	4.97E-03	6.86E-03	4.57E+00
1175	487447.18	3856537.45	4.77E+00	1.76E-04	4.86E-03	6.90E-03	4.78E+00	4.97E+00	1.80E+00	4.44E-01	2.36E-01	7.45E+00	4.96E+00	2.06E-04	4.86E-03	6.90E-03	4.98E+00
1176	487497.18	3856537.45	4.64E+00	1.82E-04	4.67E-03	6.91E-03	4.66E+00	4.85E+00	1.86E+00	4.26E-01	2.36E-01	7.37E+00	4.84E+00	2.13E-04	4.67E-03	6.91E-03	4.85E+00
1177	487547.18	3856537.45	4.53E+00	1.85E-04	5.01E-03	6.90E-03	4.54E+00	4.72E+00	1.89E+00	4.57E-01	2.36E-01	7.31E+00	4.71E+00	2.17E-04	5.01E-03	6.90E-03	4.73E+00
1178	489285.89	3858826.54	2.61E+00	7.81E-04	2.34E-02	5.92E-03	2.64E+00	2.72E+00	7.97E+00	2.14E+00	2.03E-01	1.30E+01	2.71E+00	9.13E-04	2.34E-02	5.92E-03	2.74E+00
1179	489335.89	3858826.54	2.61E+00	7.66E-04	2.33E-02	5.74E-03	2.64E+00	2.72E+00	7.82E+00	2.13E+00	1.96E-01	1.29E+01	2.71E+00	8.96E-04	2.33E-02	5.74E-03	2.74E+00
1180	489385.89	3858826.54	2.70E+00	7.44E-04	2.42E-02	5.91E-03	2.73E+00	2.82E+00	7.60E+00	2.21E+00	2.02E-01	1.28E+01	2.82E+00	8.71E-04	2.42E-02	5.91E-03	2.85E+00
1181	489435.89	3858826.54	2.70E+00	7.29E-04	2.46E-02	5.74E-03	2.73E+00	2.81E+00	7.44E+00	2.24E+00	1.96E-01	1.27E+01	2.81E+00	8.53E-04	2.46E-02	5.74E-03	2.84E+00
1182	489485.89	3858826.54	2.71E+00	7.15E-04	2.28E-02	5.35E-03	2.74E+00	2.83E+00	7.30E+00	2.08E+00	1.83E-01	1.24E+01	2.82E+00	8.36E-04	2.28E-02	5.35E-03	2.85E+00
1183	489535.89	3858826.54	2.75E+00	6.93E-04	2.22E-02	5.13E-03	2.78E+00	2.87E+00	7.08E+00	2.03E+00	1.76E-01	1.22E+01	2.86E+00	8.11E-04	2.22E-02	5.13E-03	2.89E+00
1184	489585.89	3858826.54	2.78E+00	6.76E-04	2.25E-02	5.12E-03	2.81E+00	2.91E+00	6.91E+00	2.05E+00	1.75E-01	1.20E+01	2.90E+00	7.91E-04	2.25E-02	5.12E-03	2.93E+00
1185	489635.89	3858826.54	2.83E+00	6.60E-04	2.15E-02	5.08E-03	2.86E+00	2.95E+00	6.74E+00	1.96E+00	1.74E-01	1.18E+01	2.95E+00	7.72E-04	2.15E-02	5.08E-03	2.98E+00
1186	489685.89	3858826.54	2.80E+00	6.43E-04	2.13E-02	5.15E-03	2.83E+00	2.92E+00	6.56E+00	1.95E+00	1.76E-01	1.16E+01	2.91E+00	7.52E-04	2.13E-02	5.15E-03	2.94E+00
1187	489735.89	3858826.54	2.70E+00	6.28E-04	2.14E-02	5.16E-03	2.73E+00	2.82E+00	6.41E+00	1.95E+00	1.76E-01	1.14E+01	2.81E+00	7.34E-04	2.14E-02	5.16E-03	2.84E+00
1188	489785.89	3858826.54	2.72E+00	6.19E-04	2.17E-02	5.00E-03	2.75E+00	2.84E+00	6.32E+00	1.98E+00	1.71E-01	1.13E+01	2.83E+00	7.24E-04	2.17E-02	5.00E-03	2.86E+00
1189	489835.89	3858826.54	2.69E+00	6.06E-04	2.17E-02	5.03E-03	2.72E+00	2.81E+00	6.19E+00	1.98E+00	1.72E-01	1.12E+01	2.80E+00	7.09E-04	2.17E-02	5.03E-03	2.83E+00
1190	489885.89	3858826.54	2.68E+00	5.98E-04	2.19E-02	5.16E-03	2.71E+00	2.80E+00	6.11E+00	2.00E+00	1.76E-01	1.11E+01	2.79E+00	6.99E-04	2.19E-02	5.16E-03	2.82E+00
1191	489935.89	3858826.54	2.62E+00	5.87E-04	2.33E-02	5.10E-03	2.65E+00	2.73E+00	6.00E+00	2.12E+00	1.74E-01	1.10E+01	2.73E+00	6.87E-04	2.33E-02	5.10E-03	2.76E+00
1192	489985.89	3858826.54	2.59E+00	5.75E-04	2.45E-02	5.12E-03	2.62E+00	2.70E+00	5.88E+00	2.23E+00	1.75E-01	1.10E+01	2.69E+00	6.73E-04	2.45E-02	5.12E-03	2.73E+00
1193	490035.89	3858826.54	2.57E+00	5.61E-04	2.59E-02	4.99E-03	2.60E+00	2.68E+00	5.74E+00	2.36E+00	1.71E-01	1.09E+01	2.67E+00	6.57E-04	2.59E-02	4.99E-03	2.70E+00
1194	489285.89	3858876.54	2.46E+00	8.23E-04	2.04E-02	6.20E-03	2.49E+00	2.56E+00	8.40E+00	1.86E+00	2.12E-01	1.30E+01	2.56E+00	9.62E-04	2.04E-02	6.20E-03	2.59E+00
1195	489335.89	3858876.54	2.59E+00	8.02E-04	2.21E-02	6.15E-03	2.62E+00	2.70E+00	8.19E+00	2.02E+00	2.10E-01	1.31E+01	2.70E+00	9.38E-04	2.21E-02	6.15E-03	2.73E+00
1196	489385.89	3858876.54	2.60E+00	7.81E-04	2.29E-02	5.53E-03	2.63E+00	2.71E+00	7.98E+00	2.09E+00	1.89E-01	1.30E+01	2.71E+00	9.13E-04	2.29E-02	5.53E-03	2.74E+00
1197	489435.89	3858876.54	2.65E+00	7.59E-04	2.21E-02	5.70E-03	2.68E+00	2.77E+00	7.76E+00	2.01E+00	1.95E-01	1.27E+01	2.76E+00	8.88E-04	2.21E-02	5.70E-03	2.79E+00
1198	489485.89	3858876.54	2.66E+00	7.45E-04	2.25E-02	5.58E-03	2.69E+00	2.78E+00	7.61E+00	2.05E+00	1.91E-01	1.26E+01	2.77E+00	8.72E-04	2.25E-02	5.58E-03	2.80E+00
1199	489535.89	3858876.54	2.66E+00	7.27E-04	2.21E-02	5.33E-03	2.69E+00	2.77E+00	7.42E+00	2.01E+00	1.82E-01	1.24E+01	2.77E+00	8.50E-04	2.21E-02	5.33E-03	2.80E+00
1200	489585.89	3858876.54	2.69E+00	7.07E-04	2.03E-02	5.31E-03	2.71E+00	2.80E+00	7.23E+00	1.85E+00	1.82E-01	1.21E+01	2.80E+00	8.28E-04	2.03E-02	5.31E-03	2.83E+00
1201	489635.89	3858876.54	2.70E+00	6.94E-04	2.09E-02	5.35E-03	2.73E+00	2.82E+00	7.09E+00	1.91E+00	1.83E-01	1.20E+01	2.81E+00	8.11E-04	2.09E-02	5.35E-03	2.84E+00
1202	489685.89	3858876.54	2.77E+00	6.79E-04	2.03E-02	5.24E-03	2.80E+00	2.89E+00	6.94E+00	1.85E+00	1.79E-01	1.19E+01	2.89E+00	7.95E-04	2.03E-02	5.24E-03	2.91E+00
1203	489735.89	3858876.54	2.76E+00	6.64E-04	1.98E-02	5.14E-03	2.79E+00	2.88E+00	6.79E+00	1.80E+00	1.76E-01	1.16E+01	2.87E+00	7.77E-04	1.98E-02	5.14E-03	2.90E+00
1204	489785.89	3858876.54	2.70E+00	6.53E-04	1.94E-02	5.23E-03	2.73E+00	2.82E+00	6.67E+00	1.77E+00	1.79E-01	1.14E+01	2.81E+00	7.64E-04	1.94E-02	5.23E-03	2.84E+00
1205	489835.89	3858876.54	2.66E+00	6.37E-04	1.94E-02	5.28E-03	2.68E+00	2.77E+00	6.51E+00	1.77E+00	1.81E-01	1.12E+01	2.77E+00	7.45E-04	1.94E-02	5.28E-03	2.79E+00
1206	489885.89	3858876.54	2.66E+00	6.28E-04	2.00E-02	5.27E-03	2.69E+00	2.77E+00	6.41E+00	1.82E+00	1.80E-01	1.12E+01	2.77E+00	7.34E-04	2.00E-02	5.27E-03	2.80E+00
1207	489935.89	3858876.54	2.64E+00	6.11E-04	2.07E-02	5.06E-03	2.67E+00	2.75E+00	6.25E+00	1.89E+00	1.73E-01	1.11E+01	2.75E+00	7.15E-04	2.07E-02	5.06E-03	2.78E+00
1208	489985.89	3858876.54	2.60E+00	5.94E-04	2.06E-02	5.08E-03	2.62E+00	2.71E+00	6.07E+00	1.88E+00	1.74E-01	1.08E+01	2.70E+00	6.95E-04	2.06E-02	5.08E-03	2.73E+00
1209	490035.89	3858876.54	2.55E+00	5.79E-04	2.22E-02	5.17E-03	2.57E+00	2.66E+00	5.91E+00	2.02E+00	1.77E-01	1.08E+01	2.65E+00	6.77E-04	2.22E-02	5.17E-03	2.68E+00
1210	489285.89	3858926.54	2.27E+00	8.68E-04	1.74E-02	6.04E-03	2.30E+00	2.37E+00	8.87E+00	1.59E+00	2.07E-01	1.30E+01	2.37E+00	1.02E-03	1.74E-02	6.04E-03	2.39E+00
1211	489335.89	3858926.54	2.44E+00	8.46E-04	1.83E-02	5.70E-03	2.47E+00	2.55E+00	8.64E+00	1.67E+00	1.95E-01	1.31E+01	2.54E+00	9.90E-04	1.83E-02	5.70E-03	2.57E+00
1212	489385.89	3858926.54	2.57E+00	8.21E-04	1.95E-02	5.90E-03	2.59E+00	2.68E+00	8.38E+00	1.78E+00	2.02E-01	1.30E+01	2.67E+00	9.60E-04	1.95E-02	5.90E-03	2.70E+00
1213	489435.89	3858926.54	2.58E+00	8.02E-04	2.13E-02	5.82E-03	2.61E+00	2.69E+00	8.19E+00	1.95E+00	1.99E-01	1.30E+01	2.69E+00	9.38E-04	2.13E-02	5.82E-03	2.72E+00
1214	489485.89	3858926.54	2.57E+00	7.81E-04	2.10E-02	5.43E-03	2.59E+00	2.68E+00	7.98E+00	1.91E+00	1.86E-01	1.28E+01	2.67E+00	9.14E-04	2.10E-02	5.43E-03	2.70E+00
1215	489535.89	3858926.54	2.57E+00	7.61E-04	2.09E-02	5.54E-03	2.60E+00	2.68E+00	7.77E+00	1.90E+00	1.89E-01	1.25E+01	2.68E+00	8.90E-04	2.09E-02	5.54E-03	2.70E+00
1216	489585.89	3858926.54	2.58E+00	7.42E-04	2.09E-02	5.61E-03	2.61E+00	2.70E+00	7.58E+00	1.91E+00	1.92E-01	1.24E+01	2.69E+00	8.68E-04	2.09E-02	5.61E-03	2.72E+00

1217	489635.89	3858926.54	2.63E+00	7.22E-04	2.03E-02	5.58E-03	2.66E+00	2.75E+00	7.38E+00	1.85E+00	1.91E-01	1.22E+01	2.74E+00	8.45E-04	2.03E-02	5.58E-03	2.77E+00
1218	489685.89	3858926.54	2.66E+00	7.00E-04	1.93E-02	5.45E-03	2.69E+00	2.78E+00	7.16E+00	1.76E+00	1.86E-01	1.19E+01	2.77E+00	8.19E-04	1.93E-02	5.45E-03	2.80E+00
1219	489735.89	3858926.54	2.70E+00	6.84E-04	1.89E-02	5.27E-03	2.72E+00	2.81E+00	6.99E+00	1.73E+00	1.80E-01	1.17E+01	2.81E+00	8.01E-04	1.89E-02	5.27E-03	2.83E+00
1220	489785.89	3858926.54	2.72E+00	6.70E-04	1.83E-02	5.22E-03	2.75E+00	2.84E+00	6.85E+00	1.67E+00	1.79E-01	1.15E+01	2.84E+00	7.84E-04	1.83E-02	5.22E-03	2.86E+00
1221	489835.89	3858926.54	2.69E+00	6.52E-04	1.83E-02	5.24E-03	2.71E+00	2.81E+00	6.66E+00	1.66E+00	1.79E-01	1.13E+01	2.80E+00	7.63E-04	1.83E-02	5.24E-03	2.82E+00
1222	489885.89	3858926.54	2.58E+00	6.38E-04	1.77E-02	5.23E-03	2.61E+00	2.70E+00	6.52E+00	1.61E+00	1.79E-01	1.10E+01	2.69E+00	7.46E-04	1.77E-02	5.23E-03	2.71E+00
1223	489935.89	3858926.54	2.62E+00	6.24E-04	1.80E-02	5.19E-03	2.64E+00	2.73E+00	6.37E+00	1.64E+00	1.77E-01	1.09E+01	2.73E+00	7.29E-04	1.80E-02	5.19E-03	2.75E+00
1224	489985.89	3858926.54	2.59E+00	6.06E-04	1.89E-02	5.30E-03	2.62E+00	2.70E+00	6.20E+00	1.72E+00	1.81E-01	1.08E+01	2.70E+00	7.10E-04	1.89E-02	5.30E-03	2.72E+00
1225	490035.89	3858926.54	2.58E+00	5.85E-04	1.97E-02	5.39E-03	2.61E+00	2.69E+00	5.98E+00	1.80E+00	1.84E-01	1.07E+01	2.69E+00	6.85E-04	1.97E-02	5.39E-03	2.72E+00
1226	489335.89	3858976.54	2.27E+00	8.82E-04	1.57E-02	5.83E-03	2.30E+00	2.37E+00	9.01E+00	1.44E+00	1.99E-01	1.30E+01	2.37E+00	1.03E-03	1.57E-02	5.83E-03	2.39E+00
1227	489385.89	3858976.54	2.40E+00	8.55E-04	1.68E-02	5.56E-03	2.42E+00	2.50E+00	8.73E+00	1.54E+00	1.90E-01	1.30E+01	2.50E+00	1.00E-03	1.68E-02	5.56E-03	2.52E+00
1228	489435.89	3858976.54	2.54E+00	8.32E-04	1.78E-02	5.47E-03	2.56E+00	2.65E+00	8.50E+00	1.62E+00	1.87E-01	1.30E+01	2.64E+00	9.73E-04	1.78E-02	5.47E-03	2.66E+00
1229	489485.89	3858976.54	2.56E+00	8.10E-04	1.89E-02	5.53E-03	2.58E+00	2.67E+00	8.27E+00	1.73E+00	1.89E-01	1.29E+01	2.66E+00	9.47E-04	1.89E-02	5.53E-03	2.69E+00
1230	489535.89	3858976.54	2.48E+00	7.87E-04	1.94E-02	5.48E-03	2.51E+00	2.59E+00	8.04E+00	1.77E+00	1.87E-01	1.26E+01	2.58E+00	9.20E-04	1.94E-02	5.48E-03	2.61E+00
1231	489585.89	3858976.54	2.54E+00	7.69E-04	1.92E-02	5.50E-03	2.57E+00	2.65E+00	7.86E+00	1.75E+00	1.88E-01	1.24E+01	2.65E+00	9.00E-04	1.92E-02	5.50E-03	2.67E+00
1232	489635.89	3858976.54	2.53E+00	7.50E-04	1.94E-02	5.48E-03	2.56E+00	2.64E+00	7.66E+00	1.77E+00	1.87E-01	1.23E+01	2.64E+00	8.77E-04	1.94E-02	5.48E-03	2.66E+00
1233	489685.89	3858976.54	2.58E+00	7.29E-04	1.91E-02	5.51E-03	2.61E+00	2.70E+00	7.44E+00	1.75E+00	1.89E-01	1.21E+01	2.69E+00	8.52E-04	1.91E-02	5.51E-03	2.72E+00
1234	489735.89	3858976.54	2.60E+00	7.13E-04	1.82E-02	5.61E-03	2.63E+00	2.71E+00	7.28E+00	1.66E+00	1.92E-01	1.18E+01	2.71E+00	8.34E-04	1.82E-02	5.61E-03	2.73E+00
1235	489785.89	3858976.54	2.62E+00	7.00E-04	1.84E-02	5.59E-03	2.65E+00	2.74E+00	7.15E+00	1.68E+00	1.91E-01	1.18E+01	2.73E+00	8.19E-04	1.84E-02	5.59E-03	2.76E+00
1236	489835.89	3858976.54	2.67E+00	6.86E-04	1.76E-02	5.34E-03	2.69E+00	2.78E+00	7.01E+00	1.60E+00	1.83E-01	1.16E+01	2.78E+00	8.02E-04	1.76E-02	5.34E-03	2.80E+00
1237	489885.89	3858976.54	2.64E+00	6.63E-04	1.71E-02	5.38E-03	2.67E+00	2.76E+00	6.78E+00	1.56E+00	1.84E-01	1.13E+01	2.75E+00	7.76E-04	1.71E-02	5.38E-03	2.78E+00
1238	489935.89	3858976.54	2.57E+00	6.46E-04	1.69E-02	5.38E-03	2.59E+00	2.68E+00	6.60E+00	1.54E+00	1.84E-01	1.10E+01	2.67E+00	7.56E-04	1.69E-02	5.38E-03	2.70E+00
1239	489985.89	3858976.54	2.56E+00	6.31E-04	1.61E-02	5.60E-03	2.58E+00	2.67E+00	6.45E+00	1.47E+00	1.91E-01	1.08E+01	2.66E+00	7.38E-04	1.61E-02	5.60E-03	2.68E+00
1240	490035.89	3858976.54	2.55E+00	5.90E-04	1.74E-02	5.68E-03	2.58E+00	2.67E+00	6.03E+00	1.59E+00	1.94E-01	1.05E+01	2.66E+00	6.90E-04	1.74E-02	5.68E-03	2.68E+00
1241	489385.89	3859026.54	2.29E+00	8.81E-04	1.44E-02	5.46E-03	2.31E+00	2.39E+00	9.00E+00	1.32E+00	1.87E-01	1.29E+01	2.38E+00	1.03E-03	1.44E-02	5.46E-03	2.40E+00
1242	489435.89	3859026.54	2.37E+00	8.54E-04	1.58E-02	5.63E-03	2.39E+00	2.47E+00	8.73E+00	1.44E+00	1.93E-01	1.28E+01	2.46E+00	9.99E-04	1.58E-02	5.63E-03	2.49E+00
1243	489485.89	3859026.54	2.50E+00	8.29E-04	1.64E-02	5.62E-03	2.52E+00	2.61E+00	8.47E+00	1.49E+00	1.92E-01	1.28E+01	2.60E+00	9.70E-04	1.64E-02	5.62E-03	2.62E+00
1244	489535.89	3859026.54	2.54E+00	8.08E-04	1.66E-02	5.52E-03	2.57E+00	2.65E+00	8.25E+00	1.51E+00	1.89E-01	1.26E+01	2.65E+00	9.45E-04	1.66E-02	5.52E-03	2.67E+00
1245	489585.89	3859026.54	2.45E+00	7.83E-04	1.79E-02	5.82E-03	2.48E+00	2.56E+00	8.00E+00	1.63E+00	1.99E-01	1.24E+01	2.55E+00	9.16E-04	1.79E-02	5.82E-03	2.58E+00
1246	489635.89	3859026.54	2.53E+00	7.66E-04	1.79E-02	5.89E-03	2.56E+00	2.64E+00	7.83E+00	1.63E+00	2.01E-01	1.23E+01	2.64E+00	8.96E-04	1.79E-02	5.89E-03	2.66E+00
1247	489685.89	3859026.54	2.52E+00	7.48E-04	1.79E-02	5.83E-03	2.54E+00	2.63E+00	7.64E+00	1.63E+00	1.99E-01	1.21E+01	2.62E+00	8.75E-04	1.79E-02	5.83E-03	2.65E+00
1248	489735.89	3859026.54	2.52E+00	7.33E-04	1.81E-02	5.68E-03	2.55E+00	2.63E+00	7.49E+00	1.65E+00	1.94E-01	1.20E+01	2.63E+00	8.58E-04	1.81E-02	5.68E-03	2.65E+00
1249	489785.89	3859026.54	2.54E+00	7.18E-04	1.75E-02	5.63E-03	2.56E+00	2.65E+00	7.33E+00	1.59E+00	1.93E-01	1.18E+01	2.65E+00	8.40E-04	1.75E-02	5.63E-03	2.67E+00
1250	489835.89	3859026.54	2.56E+00	6.96E-04	1.71E-02	5.60E-03	2.59E+00	2.67E+00	7.11E+00	1.56E+00	1.92E-01	1.15E+01	2.67E+00	8.14E-04	1.71E-02	5.60E-03	2.69E+00
1251	489885.89	3859026.54	2.61E+00	6.80E-04	1.69E-02	5.62E-03	2.63E+00	2.72E+00	6.95E+00	1.54E+00	1.92E-01	1.14E+01	2.72E+00	7.96E-04	1.69E-02	5.62E-03	2.74E+00
1252	489935.89	3859026.54	2.61E+00	6.64E-04	1.64E-02	5.61E-03	2.64E+00	2.73E+00	6.78E+00	1.50E+00	1.92E-01	1.12E+01	2.72E+00	7.77E-04	1.64E-02	5.61E-03	2.74E+00
1253	489985.89	3859026.54	2.58E+00	6.48E-04	1.62E-02	5.61E-03	2.60E+00	2.69E+00	6.62E+00	1.48E+00	1.92E-01	1.10E+01	2.69E+00	7.58E-04	1.62E-02	5.61E-03	2.71E+00
1254	490035.89	3859026.54	2.50E+00	5.99E-04	1.57E-02	5.55E-03	2.53E+00	2.61E+00	6.12E+00	1.43E+00	1.90E-01	1.04E+01	2.61E+00	7.00E-04	1.57E-02	5.55E-03	2.63E+00
1255	489485.89	3859076.54	2.35E+00	8.44E-04	1.47E-02	5.83E-03	2.37E+00	2.45E+00	8.62E+00	1.34E+00	1.99E-01	1.26E+01	2.45E+00	9.87E-04	1.47E-02	5.83E-03	2.47E+00
1256	489535.89	3859076.54	2.46E+00	8.20E-04	1.49E-02	5.92E-03	2.49E+00	2.57E+00	8.37E+00	1.36E+00	2.02E-01	1.25E+01	2.57E+00	9.59E-04	1.49E-02	5.92E-03	2.59E+00
1257	489585.89	3859076.54	2.51E+00	7.99E-04	1.56E-02	5.94E-03	2.53E+00	2.62E+00	8.16E+00	1.43E+00	2.03E-01	1.24E+01	2.61E+00	9.34E-04	1.56E-02	5.94E-03	2.64E+00
1258	489635.89	3859076.54	2.43E+00	7.83E-04	1.61E-02	5.80E-03	2.46E+00	2.54E+00	7.99E+00	1.47E+00	1.98E-01	1.22E+01	2.53E+00	9.15E-04	1.61E-02	5.80E-03	2.56E+00
1259	489685.89	3859076.54	2.48E+00	7.67E-04	1.67E-02	5.71E-03	2.50E+00	2.59E+00	7.83E+00	1.52E+00	1.95E-01	1.21E+01	2.58E+00	8.97E-04	1.67E-02	5.71E-03	2.61E+00
1260	489735.89	3859076.54	2.46E+00	7.51E-04	1.63E-02	5.66E-03	2.49E+00	2.57E+00	7.68E+00	1.49E+00	1.94E-01	1.19E+01	2.56E+00	8.79E-04	1.63E-02	5.66E-03	2.59E+00
1261	489785.89	3859076.54	2.45E+00	7.36E-04	1.67E-02	5.71E-03	2.47E+00	2.56E+00	7.52E+00	1.53E+00	1.95E-01	1.18E+01	2.55E+00	8.61E-04	1.67E-02	5.71E-03	2.58E+00
1262	489835.89	3859076.54	2.49E+00	7.18E-04	1.68E-02	5.64E-03	2.52E+00	2.60E+00	7.33E+00	1.53E+00	1.93E-01	1.17E+01	2.60E+00	8.39E-04	1.68E-02	5.64E-03	2.62E+00
1263	489885.89	3859076.54	2.52E+00	6.98E-04	1.65E-02	5.61E-03	2.54E+00	2.63E+00	7.13E+00	1.50E+00	1.92E-01	1.14E+01	2.62E+00	8.16E-04	1.65E-02	5.61E-03	2.64E+00
1264	489935.89	3859076.54	2.54E+00	6.81E-04	1.56E-02	5.56E-03	2.56E+00	2.65E+00	6.96E+00	1.43E+00	1.90E-01	1.12E+01	2.64E+00	7.97E-04	1.56E-02	5.56E-03	2.67E+00
1265	489985.89	3859076.54	2.57E+00	6.61E-04	1.56E-02	5.54E-03	2.60E+00	2.69E+00	6.75E+00	1.42E+00	1.90E-01	1.10E+01	2.68E+00	7.73E-04	1.56E-02	5.54E-03	2.70E+00
1266	490035.89	3859076.54	2.57E+00	6.16E-04	1.54E-02	5.59E-03	2.59E+00	2.68E+00	6.29E+00	1.40E+00	1.91E-01	1.06E+01	2.67E+00	7.21E-04	1.54E-02	5.59E-03	2.69E+00
1267	489585.89	3859126.54	2.42E+00	8.23E-04	1.38E-02	5.86E-03	2.44E+00	2.53E+00	8.40E+00	1.26E+00	2.00E-01	1.24E+01	2.52E+00	9.62E-04	1.38E-02	5.86E-03	2.54E+00
1268	489635.89	3859126.54	2.46E+00	8.04E-04	1.43E-02	5.83E-03	2.48E+00	2.57E+00	8.21E+00	1.30E+00	1.99E-01	1.23E+01	2.56E+00	9.40E-04	1.43E-02	5.83E-03	2.58E+00
1269	489685.89	3859126.54	2.41E+00	7.85E-04	1.48E-02	5.78E-03	2.43E+00	2.52E+00	8.02E+00	1.35E+00	1.98E-01	1.21E+01	2.51E+00	9.19E-04	1.48E-02	5.78E-03	2.53E+00
1270	489735.89	3859126.54	2.39E+00	7.69E-04	1.53E-02	5.92E-03	2.42E+00	2.50E+00	7.86E+00	1.40E+00	2.02E-01	1.20E+01	2.49E+00	9.00E-04	1.53E-02	5.92E-03	2.51E+00
1271	489785.89	3859126.54	2.40E+00	7.54E-04	1.53E-02	6.02E-03	2.42E+00	2.50E+00	7.71E+00	1.40E+00	2.06E-01	1.18E+01	2.50E+00	8.83E-04	1.53E-02	6.02E-03	2.52E+00
1272	489835.89	3859126.54	2.38E+00	7.37E-04	1.53E-02	5.78E-03	2.40E+00	2.48E+00	7.53E+00	1.39E+00	1.98E-01	1.16E+01	2.48E+00	8.63E-04	1.53E-02	5.78E-03	2.50E+00
1273	489885.89	3859126.54	2.45E+00	7.18E-04	1.58E-02	5.69E-03	2.47E+00	2.55E+00	7.33E+00	1.44E+00	1.95E-01	1.15E+01	2.55E+00	8.39E-04	1.58E-02	5.69E-03	2.57E+00
1274	489935.89	3859126.54	2.45E+00	7.02E-04	1.56E-02	5.63E-03	2.48E+00	2.56E+00	7.17E+00	1.43E+00	1.92E-01	1.13E+01	2.55E+00	8.21E-04	1.56E-02	5.63E-03	2.58E+00
1275	489985.89	3859126.54	2.48E+00	6.75E-04	1.53E-02	5.67E-03	2.50E+00	2.59E+00	6.89E+00	1.40E+00	1.94E-01	1.11E+01	2.58E+00	7.89E-04	1.53E-02	5.67E-03	2.60E+00
1276	490035.89	3859126.54	2.52E+00	6.47E-04	1.51E-02	5.72E-03	2.55E+00	2.63E+00	6.61E+00	1.38E+00	1.95E-01	1.08E+01	2.63E+00	7.57E-04	1.51E-02	5.72E-03	2.65E+00
1277	489585.89	3859176.54	2.36E+00	8.28E-04	1.23E-02	6.15E-03	2.38E+00	2.46E+00	8.46E+00	1.13E+00	2.10E-01	1.23E+01	2.45E+00	9.69E-04	1.23E-02	6.15E-03	2.47E+00

1278	489635.89	3859176.54	2.39E+00	8.13E-04	1.30E-02	6.03E-03	2.41E+00	2.49E+00	8.31E+00	1.18E+00	2.06E-01	1.22E+01	2.49E+00	9.52E-04	1.30E-02	6.03E-03	2.51E+00
1279	489685.89	3859176.54	2.41E+00	8.00E-04	1.30E-02	6.07E-03	2.43E+00	2.52E+00	8.17E+00	1.19E+00	2.08E-01	1.21E+01	2.51E+00	9.36E-04	1.30E-02	6.07E-03	2.53E+00
1280	489735.89	3859176.54	2.39E+00	7.86E-04	1.38E-02	6.04E-03	2.41E+00	2.49E+00	8.03E+00	1.25E+00	2.06E-01	1.20E+01	2.48E+00	9.19E-04	1.38E-02	6.04E-03	2.51E+00
1281	489785.89	3859176.54	2.31E+00	7.68E-04	1.41E-02	6.05E-03	2.33E+00	2.41E+00	7.84E+00	1.28E+00	2.07E-01	1.17E+01	2.40E+00	8.98E-04	1.41E-02	6.05E-03	2.43E+00
1282	489835.89	3859176.54	2.37E+00	7.50E-04	1.47E-02	6.03E-03	2.40E+00	2.48E+00	7.66E+00	1.34E+00	2.06E-01	1.17E+01	2.47E+00	8.77E-04	1.47E-02	6.03E-03	2.49E+00
1283	489885.89	3859176.54	2.36E+00	7.26E-04	1.43E-02	5.97E-03	2.38E+00	2.46E+00	7.41E+00	1.31E+00	2.04E-01	1.14E+01	2.45E+00	8.49E-04	1.43E-02	5.97E-03	2.47E+00
1284	489935.89	3859176.54	2.39E+00	7.11E-04	1.44E-02	6.01E-03	2.41E+00	2.50E+00	7.27E+00	1.31E+00	2.06E-01	1.13E+01	2.49E+00	8.32E-04	1.44E-02	6.01E-03	2.51E+00
1285	489985.89	3859176.54	2.40E+00	6.85E-04	1.46E-02	5.99E-03	2.42E+00	2.51E+00	6.99E+00	1.33E+00	2.05E-01	1.10E+01	2.50E+00	8.01E-04	1.46E-02	5.99E-03	2.52E+00
1286	490035.89	3859176.54	2.44E+00	6.70E-04	1.46E-02	5.95E-03	2.46E+00	2.54E+00	6.84E+00	1.33E+00	2.03E-01	1.09E+01	2.54E+00	7.84E-04	1.46E-02	5.95E-03	2.56E+00
1287	489685.89	3859226.54	2.35E+00	8.17E-04	1.20E-02	6.25E-03	2.37E+00	2.45E+00	8.35E+00	1.10E+00	2.14E-01	1.21E+01	2.44E+00	9.56E-04	1.20E-02	6.25E-03	2.46E+00
1288	489735.89	3859226.54	2.39E+00	7.95E-04	1.20E-02	6.19E-03	2.41E+00	2.49E+00	8.12E+00	1.09E+00	2.12E-01	1.19E+01	2.49E+00	9.30E-04	1.20E-02	6.19E-03	2.50E+00
1289	489785.89	3859226.54	2.37E+00	7.74E-04	1.26E-02	6.12E-03	2.39E+00	2.47E+00	7.91E+00	1.15E+00	2.09E-01	1.17E+01	2.47E+00	9.05E-04	1.26E-02	6.12E-03	2.49E+00
1290	489835.89	3859226.54	2.28E+00	7.54E-04	1.29E-02	5.95E-03	2.30E+00	2.38E+00	7.70E+00	1.18E+00	2.03E-01	1.15E+01	2.37E+00	8.82E-04	1.29E-02	5.95E-03	2.39E+00
1291	489885.89	3859226.54	2.36E+00	7.37E-04	1.38E-02	5.81E-03	2.38E+00	2.46E+00	7.53E+00	1.25E+00	1.99E-01	1.14E+01	2.46E+00	8.62E-04	1.38E-02	5.81E-03	2.48E+00
1292	489935.89	3859226.54	2.34E+00	7.19E-04	1.39E-02	5.71E-03	2.36E+00	2.44E+00	7.35E+00	1.26E+00	1.95E-01	1.13E+01	2.44E+00	8.42E-04	1.39E-02	5.71E-03	2.46E+00
1293	489985.89	3859226.54	2.33E+00	6.88E-04	1.34E-02	5.65E-03	2.35E+00	2.43E+00	7.03E+00	1.22E+00	1.93E-01	1.09E+01	2.42E+00	8.05E-04	1.34E-02	5.65E-03	2.44E+00
1294	490035.89	3859226.54	2.36E+00	6.78E-04	1.35E-02	5.56E-03	2.38E+00	2.46E+00	6.92E+00	1.23E+00	1.90E-01	1.08E+01	2.46E+00	7.93E-04	1.35E-02	5.56E-03	2.48E+00
1295	489735.89	3859276.54	2.30E+00	8.15E-04	1.10E-02	6.19E-03	2.32E+00	2.40E+00	8.33E+00	1.01E+00	2.12E-01	1.19E+01	2.40E+00	9.53E-04	1.10E-02	6.19E-03	2.42E+00
1296	489785.89	3859276.54	2.34E+00	8.01E-04	1.13E-02	6.06E-03	2.36E+00	2.45E+00	8.18E+00	1.03E+00	2.07E-01	1.19E+01	2.44E+00	9.37E-04	1.13E-02	6.06E-03	2.46E+00
1297	489835.89	3859276.54	2.35E+00	7.78E-04	1.16E-02	5.82E-03	2.37E+00	2.45E+00	7.95E+00	1.06E+00	1.99E-01	1.17E+01	2.45E+00	9.10E-04	1.16E-02	5.82E-03	2.47E+00
1298	489885.89	3859276.54	2.26E+00	7.55E-04	1.20E-02	5.69E-03	2.28E+00	2.36E+00	7.71E+00	1.10E+00	1.95E-01	1.14E+01	2.35E+00	8.83E-04	1.20E-02	5.69E-03	2.37E+00
1299	489935.89	3859276.54	2.31E+00	7.28E-04	1.22E-02	5.51E-03	2.33E+00	2.41E+00	7.44E+00	1.11E+00	1.88E-01	1.11E+01	2.41E+00	8.52E-04	1.22E-02	5.51E-03	2.42E+00
1300	489985.89	3859276.54	2.28E+00	6.88E-04	1.33E-02	5.42E-03	2.30E+00	2.38E+00	7.03E+00	1.22E+00	1.85E-01	1.08E+01	2.37E+00	8.05E-04	1.33E-02	5.42E-03	2.39E+00
1301	490035.89	3859276.54	2.25E+00	6.84E-04	1.30E-02	5.47E-03	2.27E+00	2.35E+00	6.99E+00	1.19E+00	1.87E-01	1.07E+01	2.34E+00	8.00E-04	1.30E-02	5.47E-03	2.36E+00
1302	490458.06	3859590.74	1.99E+00	6.61E-04	9.32E-03	5.89E-03	2.01E+00	2.08E+00	6.75E+00	8.50E-01	2.01E-01	9.88E+00	2.08E+00	7.73E-04	9.32E-03	5.89E-03	2.09E+00
1303	490508.06	3859590.74	2.05E+00	6.44E-04	9.70E-03	5.86E-03	2.06E+00	2.13E+00	6.58E+00	8.84E-01	2.00E-01	9.80E+00	2.13E+00	7.54E-04	9.70E-03	5.86E-03	2.15E+00
1304	490558.06	3859590.74	2.06E+00	6.28E-04	9.17E-03	5.83E-03	2.08E+00	2.15E+00	6.42E+00	8.37E-01	1.99E-01	9.61E+00	2.15E+00	7.35E-04	9.17E-03	5.83E-03	2.17E+00
1305	490608.06	3859590.74	2.10E+00	6.10E-04	9.24E-03	5.78E-03	2.12E+00	2.20E+00	6.23E+00	8.43E-01	1.98E-01	9.47E+00	2.19E+00	7.14E-04	9.24E-03	5.78E-03	2.21E+00
1306	490658.06	3859590.74	2.10E+00	5.89E-04	9.11E-03	5.75E-03	2.11E+00	2.19E+00	6.02E+00	8.31E-01	1.97E-01	9.23E+00	2.18E+00	6.89E-04	9.11E-03	5.75E-03	2.20E+00
1307	490708.06	3859590.74	2.13E+00	5.65E-04	8.93E-03	5.70E-03	2.14E+00	2.22E+00	5.77E+00	8.15E-01	1.95E-01	9.00E+00	2.22E+00	6.60E-04	8.93E-03	5.70E-03	2.23E+00
1308	490758.06	3859590.74	2.12E+00	5.39E-04	8.92E-03	5.68E-03	2.13E+00	2.21E+00	5.51E+00	8.14E-01	1.94E-01	8.73E+00	2.21E+00	6.31E-04	8.92E-03	5.68E-03	2.22E+00
1309	490808.06	3859590.74	2.07E+00	5.19E-04	9.02E-03	5.68E-03	2.08E+00	2.16E+00	5.31E+00	8.22E-01	1.94E-01	8.48E+00	2.15E+00	6.08E-04	9.02E-03	5.68E-03	2.17E+00
1310	490858.06	3859590.74	2.02E+00	4.98E-04	8.82E-03	5.71E-03	2.04E+00	2.11E+00	5.09E+00	8.04E-01	1.95E-01	8.19E+00	2.11E+00	5.82E-04	8.82E-03	5.71E-03	2.12E+00
1311	490458.06	3859640.74	1.97E+00	6.69E-04	7.66E-03	5.93E-03	1.98E+00	2.05E+00	6.84E+00	6.98E-01	2.03E-01	9.79E+00	2.05E+00	7.83E-04	7.66E-03	5.93E-03	2.06E+00
1312	490508.06	3859640.74	1.94E+00	6.52E-04	8.36E-03	5.88E-03	1.95E+00	2.02E+00	6.66E+00	7.62E-01	2.01E-01	9.64E+00	2.02E+00	7.62E-04	8.36E-03	5.88E-03	2.03E+00
1313	490558.06	3859640.74	1.99E+00	6.36E-04	9.13E-03	5.80E-03	2.01E+00	2.08E+00	6.50E+00	8.33E-01	1.98E-01	9.61E+00	2.07E+00	7.44E-04	9.13E-03	5.80E-03	2.09E+00
1314	490608.06	3859640.74	2.03E+00	6.20E-04	9.07E-03	5.71E-03	2.04E+00	2.11E+00	6.34E+00	8.28E-01	1.95E-01	9.47E+00	2.11E+00	7.25E-04	9.07E-03	5.71E-03	2.12E+00
1315	490658.06	3859640.74	2.06E+00	6.02E-04	8.67E-03	5.65E-03	2.07E+00	2.15E+00	6.15E+00	7.91E-01	1.93E-01	9.28E+00	2.14E+00	7.04E-04	8.67E-03	5.65E-03	2.16E+00
1316	490708.06	3859640.74	2.07E+00	5.84E-04	8.86E-03	5.62E-03	2.08E+00	2.16E+00	5.97E+00	8.08E-01	1.92E-01	9.12E+00	2.15E+00	6.83E-04	8.86E-03	5.62E-03	2.17E+00
1317	490758.06	3859640.74	2.07E+00	5.63E-04	8.69E-03	5.58E-03	2.09E+00	2.16E+00	5.75E+00	7.92E-01	1.91E-01	8.90E+00	2.16E+00	6.59E-04	8.69E-03	5.58E-03	2.17E+00
1318	490808.06	3859640.74	2.06E+00	5.47E-04	8.44E-03	5.55E-03	2.08E+00	2.15E+00	5.59E+00	7.69E-01	1.90E-01	8.70E+00	2.15E+00	6.40E-04	8.44E-03	5.55E-03	2.16E+00
1319	490858.06	3859640.74	2.07E+00	5.30E-04	8.48E-03	5.56E-03	2.08E+00	2.16E+00	5.41E+00	7.73E-01	1.90E-01	8.53E+00	2.15E+00	6.20E-04	8.48E-03	5.56E-03	2.17E+00
1320	490608.06	3859690.74	1.93E+00	6.24E-04	8.38E-03	5.76E-03	1.95E+00	2.02E+00	6.38E+00	7.65E-01	1.97E-01	9.36E+00	2.01E+00	7.30E-04	8.38E-03	5.76E-03	2.03E+00
1321	490658.06	3859690.74	1.97E+00	6.02E-04	8.91E-03	5.67E-03	1.99E+00	2.06E+00	6.15E+00	8.13E-01	1.94E-01	9.22E+00	2.06E+00	7.04E-04	8.91E-03	5.67E-03	2.07E+00
1322	490708.06	3859690.74	2.01E+00	5.82E-04	8.44E-03	5.63E-03	2.02E+00	2.09E+00	5.95E+00	7.70E-01	1.93E-01	9.00E+00	2.09E+00	6.81E-04	8.44E-03	5.63E-03	2.11E+00
1323	490758.06	3859690.74	2.03E+00	5.62E-04	8.29E-03	5.61E-03	2.04E+00	2.11E+00	5.74E+00	7.56E-01	1.92E-01	8.80E+00	2.11E+00	6.58E-04	8.29E-03	5.61E-03	2.12E+00
1324	490808.06	3859690.74	2.02E+00	5.46E-04	8.46E-03	5.58E-03	2.03E+00	2.11E+00	5.58E+00	7.71E-01	1.91E-01	8.65E+00	2.10E+00	6.39E-04	8.46E-03	5.58E-03	2.12E+00
1325	490858.06	3859690.74	2.04E+00	5.41E-04	8.30E-03	5.55E-03	2.06E+00	2.13E+00	5.52E+00	7.57E-01	1.90E-01	8.60E+00	2.13E+00	6.32E-04	8.30E-03	5.55E-03	2.14E+00
1326	490708.06	3859740.74	1.93E+00	6.01E-04	8.26E-03	5.63E-03	1.95E+00	2.02E+00	6.14E+00	7.53E-01	1.92E-01	9.10E+00	2.01E+00	7.03E-04	8.26E-03	5.63E-03	2.03E+00
1327	490758.06	3859740.74	1.95E+00	5.88E-04	8.38E-03	5.63E-03	1.97E+00	2.04E+00	6.01E+00	7.64E-01	1.93E-01	9.00E+00	2.03E+00	6.88E-04	8.38E-03	5.63E-03	2.05E+00
1328	490808.06	3859740.74	1.99E+00	5.71E-04	7.90E-03	5.61E-03	2.01E+00	2.08E+00	5.84E+00	7.20E-01	1.92E-01	8.83E+00	2.08E+00	6.68E-04	7.90E-03	5.61E-03	2.09E+00
1329	490858.06	3859740.74	1.98E+00	5.55E-04	7.99E-03	5.57E-03	1.99E+00	2.07E+00	5.67E+00	7.29E-01	1.91E-01	8.65E+00	2.06E+00	6.49E-04	7.99E-03	5.57E-03	2.08E+00
1330	490786.56	3859749.39	1.96E+00	5.83E-04	8.15E-03	5.60E-03	1.97E+00	2.04E+00	5.96E+00	7.43E-01	1.91E-01	8.93E+00	2.04E+00	6.82E-04	8.15E-03	5.60E-03	2.05E+00
1331	490836.56	3859749.39	1.98E+00	5.67E-04	7.88E-03	5.59E-03	2.00E+00	2.07E+00	5.79E+00	7.19E-01	1.91E-01	8.77E+00	2.07E+00	6.63E-04	7.88E-03	5.59E-03	2.08E+00
1332	490786.56	3859799.39	1.88E+00	6.00E-04	7.70E-03	5.53E-03	1.89E+00	1.96E+00	6.13E+00	7.02E-01	1.89E-01	8.98E+00	1.96E+00	7.02E-04	7.70E-03	5.53E-03	1.97E+00
1333	490836.56	3859799.39	1.91E+00	5.84E-04	8.05E-03	5.49E-03	1.92E+00	1.99E+00	5.97E+00	7.34E-01	1.88E-01	8.88E+00	1.98E+00	6.83E-04	8.05E-03	5.49E-03	2.00E+00
1334	492307.84	3854508.36	6.89E-01	4.82E-05	8.24E-03	3.95E-03	7.01E-01	7.18E-01	4.93E-01	7.52E-01	1.35E-01	2.10E+00	7.17E-01	5.64E-05	8.24E-03	3.95E-03	7.29E-01
1335	486445.7	3854753.6	6.20E-01	5.01E-05	1.84E-03	4.02E-03	6.26E-01	6.47E-01	5.12E-01	1.67E-01	1.37E-01	1.46E+00	6.46E-01	5.87E-05	1.84E-03	4.02E-03	6.51E-01
1336	472599.75	3877830.11	1.67E-01	4.12E-05	2.40E-04	1.67E-04	1.67E-01	1.74E-01	4.21E-01	2.19E-02	5.70E-03	6.23E-01	1.74E-01	4.82E-05	2.40E-04	1.67E-04	1.74E-01
1337	493107.48	3866840.19	6.09E-01	1.45E-04	5.73E-04	3.14E-04	6.10E-01	6.36E-01	1.48E+00	5.23E-02	1.08E-02	2.18E+00	6.34E-01	1.69E-04	5.73E-04	3.14E-04	6.35E-01
1338	495815.79	3861662.87	8.71E-01	2.56E-04	3.05E-03	3.32E-03	8.78E-01	9.09E-01	2.61E+00	2.79E-01	1.14E-01	3.91E+00	9.07E-01	2.99E-04	3.05E-03	3.32E-03	9.14E-01

1339	480272.33	3841389.2	3.87E-02	9.13E-06	3.05E-04	3.32E-04	3.93E-02	4.04E-02	9.33E-02	2.79E-02	1.13E-02	1.73E-01	4.03E-02	1.07E-05	3.05E-04	3.32E-04	4.09E-02
1340	497005.18	3862813.64	6.53E-01	2.49E-04	1.67E-03	1.88E-03	6.57E-01	6.81E-01	2.55E+00	1.52E-01	6.44E-02	3.44E+00	6.80E-01	2.91E-04	1.67E-03	1.88E-03	6.84E-01
1341	493677.33	3860302.55	1.46E+00	3.20E-04	7.66E-03	5.12E-03	1.48E+00	1.53E+00	3.26E+00	6.98E-01	1.75E-01	5.67E+00	1.53E+00	3.74E-04	7.66E-03	5.12E-03	1.54E+00
1342	493727.33	3860302.55	1.43E+00	3.18E-04	7.80E-03	5.13E-03	1.44E+00	1.49E+00	3.25E+00	7.11E-01	1.75E-01	5.63E+00	1.49E+00	3.72E-04	7.80E-03	5.13E-03	1.50E+00
1343	493777.33	3860302.55	1.40E+00	3.15E-04	7.75E-03	5.13E-03	1.41E+00	1.46E+00	3.22E+00	7.07E-01	1.75E-01	5.56E+00	1.46E+00	3.68E-04	7.75E-03	5.13E-03	1.47E+00
1344	493827.33	3860302.55	1.38E+00	3.12E-04	7.90E-03	5.09E-03	1.39E+00	1.44E+00	3.19E+00	7.21E-01	1.74E-01	5.53E+00	1.44E+00	3.65E-04	7.90E-03	5.09E-03	1.45E+00
1345	493877.33	3860302.55	1.37E+00	3.11E-04	8.10E-03	5.07E-03	1.38E+00	1.42E+00	3.17E+00	7.38E-01	1.74E-01	5.51E+00	1.42E+00	3.64E-04	8.10E-03	5.07E-03	1.44E+00
1346	493927.33	3860302.55	1.35E+00	3.09E-04	8.27E-03	5.07E-03	1.37E+00	1.41E+00	3.16E+00	7.54E-01	1.73E-01	5.49E+00	1.41E+00	3.61E-04	8.27E-03	5.07E-03	1.42E+00
1347	493977.33	3860302.55	1.35E+00	3.05E-04	8.20E-03	5.04E-03	1.37E+00	1.41E+00	3.11E+00	7.48E-01	1.72E-01	5.44E+00	1.41E+00	3.56E-04	8.20E-03	5.04E-03	1.42E+00
1348	494027.33	3860302.55	1.34E+00	3.01E-04	8.25E-03	5.03E-03	1.35E+00	1.39E+00	3.08E+00	7.52E-01	1.72E-01	5.39E+00	1.39E+00	3.52E-04	8.25E-03	5.03E-03	1.40E+00
1349	493677.33	3860352.55	1.47E+00	3.22E-04	7.04E-03	5.20E-03	1.48E+00	1.53E+00	3.29E+00	6.42E-01	1.78E-01	5.65E+00	1.53E+00	3.77E-04	7.04E-03	5.20E-03	1.54E+00
1350	493727.33	3860352.55	1.47E+00	3.19E-04	7.20E-03	5.17E-03	1.48E+00	1.53E+00	3.26E+00	6.56E-01	1.77E-01	5.62E+00	1.53E+00	3.73E-04	7.20E-03	5.17E-03	1.54E+00
1351	493777.33	3860352.55	1.43E+00	3.16E-04	7.37E-03	5.15E-03	1.44E+00	1.49E+00	3.23E+00	6.72E-01	1.76E-01	5.57E+00	1.49E+00	3.70E-04	7.37E-03	5.15E-03	1.50E+00
1352	493827.33	3860352.55	1.40E+00	3.15E-04	7.54E-03	5.14E-03	1.42E+00	1.46E+00	3.22E+00	6.88E-01	1.76E-01	5.54E+00	1.46E+00	3.68E-04	7.54E-03	5.14E-03	1.47E+00
1353	493877.33	3860352.55	1.37E+00	3.12E-04	7.68E-03	5.11E-03	1.38E+00	1.43E+00	3.19E+00	7.00E-01	1.75E-01	5.49E+00	1.43E+00	3.65E-04	7.68E-03	5.11E-03	1.44E+00
1354	493927.33	3860352.55	1.35E+00	3.10E-04	7.62E-03	5.07E-03	1.37E+00	1.41E+00	3.16E+00	6.95E-01	1.73E-01	5.44E+00	1.41E+00	3.62E-04	7.62E-03	5.07E-03	1.42E+00
1355	493977.33	3860352.55	1.34E+00	3.07E-04	7.77E-03	5.04E-03	1.36E+00	1.40E+00	3.13E+00	7.08E-01	1.72E-01	5.42E+00	1.40E+00	3.59E-04	7.77E-03	5.04E-03	1.41E+00
1356	494027.33	3860352.55	1.33E+00	3.05E-04	7.92E-03	5.03E-03	1.35E+00	1.39E+00	3.11E+00	7.23E-01	1.72E-01	5.40E+00	1.39E+00	3.57E-04	7.92E-03	5.03E-03	1.40E+00
1357	493677.33	3860402.55	1.42E+00	3.30E-04	6.38E-03	5.14E-03	1.43E+00	1.48E+00	3.37E+00	5.82E-01	1.76E-01	5.61E+00	1.48E+00	3.86E-04	6.38E-03	5.14E-03	1.49E+00
1358	493727.33	3860402.55	1.42E+00	3.25E-04	6.54E-03	5.13E-03	1.43E+00	1.48E+00	3.32E+00	5.97E-01	1.76E-01	5.58E+00	1.48E+00	3.81E-04	6.54E-03	5.13E-03	1.49E+00
1359	493777.33	3860402.55	1.44E+00	3.21E-04	6.74E-03	5.11E-03	1.45E+00	1.50E+00	3.28E+00	6.15E-01	1.75E-01	5.58E+00	1.50E+00	3.76E-04	6.74E-03	5.11E-03	1.51E+00
1360	493827.33	3860402.55	1.44E+00	3.18E-04	6.88E-03	5.07E-03	1.45E+00	1.50E+00	3.25E+00	6.28E-01	1.73E-01	5.55E+00	1.50E+00	3.72E-04	6.88E-03	5.07E-03	1.51E+00
1361	493877.33	3860402.55	1.40E+00	3.14E-04	7.08E-03	5.05E-03	1.41E+00	1.46E+00	3.21E+00	6.45E-01	1.73E-01	5.49E+00	1.46E+00	3.68E-04	7.08E-03	5.05E-03	1.47E+00
1362	493927.33	3860402.55	1.38E+00	3.11E-04	7.26E-03	5.01E-03	1.39E+00	1.44E+00	3.18E+00	6.62E-01	1.71E-01	5.45E+00	1.44E+00	3.64E-04	7.26E-03	5.01E-03	1.45E+00
1363	493977.33	3860402.55	1.35E+00	3.08E-04	7.42E-03	4.96E-03	1.36E+00	1.41E+00	3.15E+00	6.77E-01	1.70E-01	5.40E+00	1.40E+00	3.61E-04	7.42E-03	4.96E-03	1.42E+00
1364	494027.33	3860402.55	1.33E+00	3.07E-04	7.43E-03	4.95E-03	1.34E+00	1.39E+00	3.13E+00	6.77E-01	1.69E-01	5.37E+00	1.38E+00	3.59E-04	7.43E-03	4.95E-03	1.40E+00
1365	493677.33	3860452.55	1.38E+00	3.30E-04	6.05E-03	5.10E-03	1.40E+00	1.44E+00	3.37E+00	5.52E-01	1.74E-01	5.54E+00	1.44E+00	3.86E-04	6.05E-03	5.10E-03	1.45E+00
1366	493727.33	3860452.55	1.38E+00	3.27E-04	6.08E-03	5.12E-03	1.39E+00	1.44E+00	3.34E+00	5.54E-01	1.75E-01	5.51E+00	1.44E+00	3.83E-04	6.08E-03	5.12E-03	1.45E+00
1367	493777.33	3860452.55	1.39E+00	3.23E-04	6.12E-03	5.09E-03	1.40E+00	1.45E+00	3.30E+00	5.58E-01	1.74E-01	5.49E+00	1.45E+00	3.78E-04	6.12E-03	5.09E-03	1.46E+00
1368	493827.33	3860452.55	1.40E+00	3.20E-04	6.26E-03	5.04E-03	1.41E+00	1.46E+00	3.27E+00	5.71E-01	1.72E-01	5.47E+00	1.45E+00	3.75E-04	6.26E-03	5.04E-03	1.47E+00
1369	493877.33	3860452.55	1.41E+00	3.17E-04	6.45E-03	5.00E-03	1.42E+00	1.47E+00	3.24E+00	5.88E-01	1.71E-01	5.47E+00	1.47E+00	3.71E-04	6.45E-03	5.00E-03	1.48E+00
1370	493927.33	3860452.55	1.41E+00	3.15E-04	6.62E-03	4.96E-03	1.43E+00	1.48E+00	3.22E+00	6.03E-01	1.70E-01	5.47E+00	1.47E+00	3.69E-04	6.62E-03	4.96E-03	1.48E+00
1371	493977.33	3860452.55	1.38E+00	3.13E-04	6.82E-03	4.95E-03	1.39E+00	1.44E+00	3.19E+00	6.22E-01	1.69E-01	5.42E+00	1.43E+00	3.66E-04	6.82E-03	4.95E-03	1.45E+00
1372	494027.33	3860452.55	1.36E+00	3.10E-04	6.99E-03	4.95E-03	1.37E+00	1.41E+00	3.16E+00	6.37E-01	1.69E-01	5.39E+00	1.41E+00	3.62E-04	6.99E-03	4.95E-03	1.42E+00
1373	493677.33	3860502.55	1.33E+00	3.30E-04	5.64E-03	5.07E-03	1.35E+00	1.39E+00	3.38E+00	5.15E-01	1.73E-01	5.46E+00	1.39E+00	3.87E-04	5.64E-03	5.07E-03	1.40E+00
1374	493727.33	3860502.55	1.35E+00	3.27E-04	5.78E-03	5.08E-03	1.36E+00	1.40E+00	3.35E+00	5.27E-01	1.74E-01	5.45E+00	1.40E+00	3.83E-04	5.78E-03	5.08E-03	1.41E+00
1375	493777.33	3860502.55	1.35E+00	3.26E-04	5.82E-03	5.09E-03	1.37E+00	1.41E+00	3.33E+00	5.31E-01	1.74E-01	5.45E+00	1.41E+00	3.82E-04	5.82E-03	5.09E-03	1.42E+00
1376	493827.33	3860502.55	1.36E+00	3.23E-04	5.85E-03	5.09E-03	1.37E+00	1.42E+00	3.30E+00	5.33E-01	1.74E-01	5.42E+00	1.41E+00	3.78E-04	5.85E-03	5.09E-03	1.42E+00
1377	493877.33	3860502.55	1.37E+00	3.20E-04	5.89E-03	5.07E-03	1.38E+00	1.43E+00	3.27E+00	5.37E-01	1.73E-01	5.41E+00	1.43E+00	3.74E-04	5.89E-03	5.07E-03	1.44E+00
1378	493927.33	3860502.55	1.38E+00	3.18E-04	6.02E-03	5.01E-03	1.39E+00	1.44E+00	3.25E+00	5.49E-01	1.71E-01	5.41E+00	1.44E+00	3.73E-04	6.02E-03	5.01E-03	1.45E+00
1379	493977.33	3860502.55	1.39E+00	3.13E-04	6.18E-03	4.98E-03	1.40E+00	1.45E+00	3.20E+00	5.64E-01	1.70E-01	5.38E+00	1.44E+00	3.67E-04	6.18E-03	4.98E-03	1.45E+00
1380	494027.33	3860502.55	1.38E+00	3.10E-04	6.33E-03	4.97E-03	1.39E+00	1.44E+00	3.16E+00	5.77E-01	1.70E-01	5.35E+00	1.44E+00	3.62E-04	6.33E-03	4.97E-03	1.45E+00
1381	493627.33	3860552.55	1.34E+00	3.36E-04	5.35E-03	5.04E-03	1.35E+00	1.39E+00	3.43E+00	4.88E-01	1.72E-01	5.49E+00	1.39E+00	3.93E-04	5.35E-03	5.04E-03	1.40E+00
1382	493677.33	3860552.55	1.30E+00	3.29E-04	5.29E-03	5.06E-03	1.31E+00	1.35E+00	3.36E+00	4.83E-01	1.73E-01	5.37E+00	1.35E+00	3.85E-04	5.29E-03	5.06E-03	1.36E+00
1383	493727.33	3860552.55	1.29E+00	3.26E-04	5.27E-03	5.06E-03	1.30E+00	1.34E+00	3.33E+00	4.81E-01	1.73E-01	5.33E+00	1.34E+00	3.82E-04	5.27E-03	5.06E-03	1.35E+00
1384	493777.33	3860552.55	1.31E+00	3.23E-04	5.41E-03	5.05E-03	1.32E+00	1.36E+00	3.30E+00	4.94E-01	1.73E-01	5.33E+00	1.36E+00	3.78E-04	5.41E-03	5.05E-03	1.37E+00
1385	493827.33	3860552.55	1.32E+00	3.23E-04	5.56E-03	5.05E-03	1.33E+00	1.38E+00	3.30E+00	5.07E-01	1.73E-01	5.36E+00	1.38E+00	3.78E-04	5.56E-03	5.05E-03	1.39E+00
1386	493877.33	3860552.55	1.33E+00	3.20E-04	5.61E-03	5.05E-03	1.34E+00	1.39E+00	3.27E+00	5.12E-01	1.73E-01	5.34E+00	1.38E+00	3.74E-04	5.61E-03	5.05E-03	1.39E+00
1387	493927.33	3860552.55	1.34E+00	3.17E-04	5.65E-03	5.05E-03	1.35E+00	1.39E+00	3.24E+00	5.15E-01	1.73E-01	5.32E+00	1.39E+00	3.71E-04	5.65E-03	5.05E-03	1.40E+00
1388	493977.33	3860552.55	1.35E+00	3.16E-04	5.73E-03	5.04E-03	1.36E+00	1.41E+00	3.23E+00	5.23E-01	1.72E-01	5.33E+00	1.40E+00	3.70E-04	5.73E-03	5.04E-03	1.41E+00
1389	494027.33	3860552.55	1.36E+00	3.14E-04	5.78E-03	5.03E-03	1.37E+00	1.41E+00	3.21E+00	5.27E-01	1.72E-01	5.32E+00	1.41E+00	3.67E-04	5.78E-03	5.03E-03	1.42E+00
1390	493627.33	3860602.55	1.31E+00	3.36E-04	5.41E-03	5.00E-03	1.32E+00	1.36E+00	3.44E+00	4.93E-01	1.71E-01	5.47E+00	1.36E+00	3.93E-04	5.41E-03	5.00E-03	1.37E+00
1391	493727.33	3860602.55	1.30E+00	3.29E-04	5.19E-03	5.03E-03	1.31E+00	1.35E+00	3.36E+00	4.73E-01	1.72E-01	5.36E+00	1.35E+00	3.85E-04	5.19E-03	5.03E-03	1.36E+00
1392	493777.33	3860602.55	1.27E+00	3.26E-04	5.14E-03	5.03E-03	1.28E+00	1.33E+00	3.33E+00	4.69E-01	1.72E-01	5.30E+00	1.32E+00	3.82E-04	5.14E-03	5.03E-03	1.33E+00
1393	493827.33	3860602.55	1.26E+00	3.23E-04	5.11E-03	5.03E-03	1.27E+00	1.32E+00	3.30E+00	4.66E-01	1.72E-01	5.26E+00	1.31E+00	3.78E-04	5.11E-03	5.03E-03	1.33E+00
1394	493877.33	3860602.55	1.29E+00	3.20E-04	5.21E-03	5.02E-03	1.30E+00	1.34E+00	3.27E+00	4.75E-01	1.72E-01	5.26E+00	1.34E+00	3.74E-04	5.21E-03	5.02E-03	1.35E+00
1395	493927.33	3860602.55	1.30E+00	3.17E-04	5.35E-03	5.02E-03	1.31E+00	1.36E+00	3.24E+00	4.88E-01	1.72E-01	5.25E+00	1.35E+00	3.71E-04	5.35E-03	5.02E-03	1.36E+00
1396	493977.33	3860602.55	1.31E+00	3.18E-04	5.44E-03	5.02E-03	1.32E+00	1.36E+00	3.25E+00	4.96E-01	1.72E-01	5.28E+00	1.36E+00	3.72E-04	5.44E-03	5.02E-03	1.37E+00
1397	494027.33	3860602.55	1.31E+00	3.11E-04	5.45E-03	5.04E-03	1.32E+00	1.37E+00	3.18E+00	4.97E-01	1.72E-01	5.22E+00	1.37E+00	3.64E-04	5.45E-03	5.04E-03	1.38E+00
1398	493627.33	3860652.55	1.27E+00	3.40E-04	5.13E-03	4.98E-03	1.28E+00	1.32E+00	3.48E+00	4.68E-01	1.70E-01	5.44E+00	1.32E+00	3.98E-04	5.13E-03	4.98E-03	1.33E+00
1399	493727.33	3860652.55	1.28E+00	3.33E-04	5.24E-03	4.95E-03	1.29E+00	1.33E+00	3.41E+00	4.78E-01	1.69E-01	5.38E+00	1.33E+00	3.90E-04	5.24E-03	4.95E-03	1.34E+00

1400	493777.33	3860652.55	1.28E+00	3.30E-04	5.15E-03	4.97E-03	1.29E+00	1.33E+00	3.37E+00	4.70E-01	1.70E-01	5.35E+00	1.33E+00	3.86E-04	5.15E-03	4.97E-03	1.34E+00
1401	493827.33	3860652.55	1.27E+00	3.27E-04	5.06E-03	4.98E-03	1.28E+00	1.33E+00	3.34E+00	4.61E-01	1.70E-01	5.30E+00	1.32E+00	3.82E-04	5.06E-03	4.98E-03	1.33E+00
1402	493877.33	3860652.55	1.25E+00	3.23E-04	5.00E-03	4.97E-03	1.26E+00	1.30E+00	3.30E+00	4.56E-01	1.70E-01	5.23E+00	1.30E+00	3.78E-04	5.00E-03	4.97E-03	1.31E+00
1403	493927.33	3860652.55	1.25E+00	3.20E-04	4.97E-03	4.97E-03	1.26E+00	1.30E+00	3.27E+00	4.54E-01	1.70E-01	5.19E+00	1.30E+00	3.74E-04	4.97E-03	4.97E-03	1.31E+00
1404	493977.33	3860652.55	1.26E+00	3.17E-04	5.02E-03	4.97E-03	1.27E+00	1.32E+00	3.24E+00	4.58E-01	1.70E-01	5.18E+00	1.32E+00	3.71E-04	5.02E-03	4.97E-03	1.33E+00
1405	494027.33	3860652.55	1.28E+00	3.14E-04	5.15E-03	4.96E-03	1.29E+00	1.33E+00	3.21E+00	4.70E-01	1.70E-01	5.18E+00	1.33E+00	3.67E-04	5.15E-03	4.96E-03	1.34E+00
1406	494311.06	3858401.99	3.32E-01	4.17E-05	2.21E-02	3.68E-03	3.58E-01	3.47E-01	4.26E-01	2.02E+00	1.26E-01	2.92E+00	3.46E-01	4.88E-05	2.21E-02	3.68E-03	3.72E-01
1407	494361.06	3858401.99	3.21E-01	4.14E-05	2.17E-02	3.68E-03	3.47E-01	3.35E-01	4.23E-01	1.98E+00	1.26E-01	2.86E+00	3.35E-01	4.85E-05	2.17E-02	3.68E-03	3.60E-01
1408	494411.06	3858401.99	3.14E-01	4.12E-05	2.14E-02	3.66E-03	3.39E-01	3.28E-01	4.21E-01	1.95E+00	1.25E-01	2.82E+00	3.27E-01	4.82E-05	2.14E-02	3.66E-03	3.52E-01
1409	494461.06	3858401.99	3.12E-01	4.11E-05	2.11E-02	3.65E-03	3.37E-01	3.25E-01	4.19E-01	1.92E+00	1.25E-01	2.79E+00	3.25E-01	4.80E-05	2.11E-02	3.65E-03	3.50E-01
1410	494511.06	3858401.99	3.04E-01	4.08E-05	2.07E-02	3.61E-03	3.28E-01	3.17E-01	4.17E-01	1.89E+00	1.23E-01	2.75E+00	3.16E-01	4.78E-05	2.07E-02	3.61E-03	3.40E-01
1411	494561.06	3858401.99	3.00E-01	4.07E-05	2.05E-02	3.61E-03	3.24E-01	3.13E-01	4.16E-01	1.87E+00	1.24E-01	2.72E+00	3.13E-01	4.76E-05	2.05E-02	3.61E-03	3.37E-01
1412	494611.06	3858401.99	2.92E-01	4.06E-05	2.01E-02	3.60E-03	3.16E-01	3.05E-01	4.14E-01	1.83E+00	1.23E-01	2.68E+00	3.05E-01	4.75E-05	2.01E-02	3.60E-03	3.28E-01
1413	494661.06	3858401.99	2.87E-01	4.04E-05	1.99E-02	3.58E-03	3.11E-01	3.00E-01	4.12E-01	1.81E+00	1.23E-01	2.65E+00	2.99E-01	4.72E-05	1.99E-02	3.58E-03	3.23E-01
1414	494711.06	3858401.99	2.79E-01	3.94E-05	1.96E-02	3.53E-03	3.03E-01	2.91E-01	4.03E-01	1.79E+00	1.21E-01	2.60E+00	2.91E-01	4.61E-05	1.96E-02	3.53E-03	3.14E-01
1415	494761.06	3858401.99	2.76E-01	3.92E-05	1.94E-02	3.50E-03	2.99E-01	2.88E-01	4.01E-01	1.77E+00	1.20E-01	2.58E+00	2.87E-01	4.59E-05	1.94E-02	3.50E-03	3.10E-01
1416	494811.06	3858401.99	2.69E-01	3.92E-05	1.92E-02	3.45E-03	2.92E-01	2.81E-01	4.00E-01	1.75E+00	1.18E-01	2.55E+00	2.80E-01	4.58E-05	1.92E-02	3.45E-03	3.03E-01
1417	494861.06	3858401.99	2.64E-01	3.87E-05	1.90E-02	3.41E-03	2.87E-01	2.76E-01	3.96E-01	1.73E+00	1.17E-01	2.52E+00	2.75E-01	4.53E-05	1.90E-02	3.41E-03	2.98E-01
1418	494911.06	3858401.99	2.60E-01	3.89E-05	1.88E-02	3.40E-03	2.82E-01	2.71E-01	3.98E-01	1.72E+00	1.16E-01	2.50E+00	2.71E-01	4.55E-05	1.88E-02	3.40E-03	2.93E-01
1419	494961.06	3858401.99	2.55E-01	3.81E-05	1.86E-02	3.39E-03	2.77E-01	2.66E-01	3.89E-01	1.70E+00	1.16E-01	2.47E+00	2.65E-01	4.46E-05	1.86E-02	3.39E-03	2.87E-01
1420	495011.06	3858401.99	2.47E-01	3.79E-05	1.82E-02	3.38E-03	2.69E-01	2.58E-01	3.87E-01	1.66E+00	1.16E-01	2.42E+00	2.57E-01	4.43E-05	1.82E-02	3.38E-03	2.79E-01
1421	495061.06	3858401.99	2.42E-01	3.77E-05	1.80E-02	3.36E-03	2.63E-01	2.52E-01	3.85E-01	1.64E+00	1.15E-01	2.39E+00	2.52E-01	4.41E-05	1.80E-02	3.36E-03	2.73E-01
1422	495111.06	3858401.99	2.32E-01	3.65E-05	1.76E-02	3.35E-03	2.53E-01	2.42E-01	3.73E-01	1.60E+00	1.14E-01	2.33E+00	2.41E-01	4.28E-05	1.76E-02	3.35E-03	2.62E-01
1423	495161.06	3858401.99	2.31E-01	3.65E-05	1.75E-02	3.34E-03	2.52E-01	2.41E-01	3.72E-01	1.59E+00	1.14E-01	2.32E+00	2.40E-01	4.27E-05	1.75E-02	3.34E-03	2.61E-01
1424	495211.06	3858401.99	2.22E-01	3.62E-05	1.72E-02	3.32E-03	2.43E-01	2.32E-01	3.70E-01	1.56E+00	1.14E-01	2.28E+00	2.32E-01	4.23E-05	1.72E-02	3.32E-03	2.52E-01
1425	495261.06	3858401.99	2.19E-01	3.61E-05	1.70E-02	3.31E-03	2.39E-01	2.28E-01	3.68E-01	1.55E+00	1.13E-01	2.26E+00	2.28E-01	4.22E-05	1.70E-02	3.31E-03	2.48E-01
1426	495311.06	3858401.99	2.14E-01	3.59E-05	1.68E-02	3.29E-03	2.34E-01	2.23E-01	3.67E-01	1.53E+00	1.13E-01	2.23E+00	2.23E-01	4.20E-05	1.68E-02	3.29E-03	2.43E-01
1427	495361.06	3858401.99	2.11E-01	3.57E-05	1.66E-02	3.28E-03	2.31E-01	2.20E-01	3.65E-01	1.51E+00	1.12E-01	2.21E+00	2.20E-01	4.17E-05	1.66E-02	3.28E-03	2.40E-01
1428	495411.06	3858401.99	2.10E-01	3.55E-05	1.65E-02	3.27E-03	2.30E-01	2.19E-01	3.63E-01	1.50E+00	1.12E-01	2.20E+00	2.19E-01	4.16E-05	1.65E-02	3.27E-03	2.39E-01
1429	495461.06	3858401.99	2.10E-01	3.54E-05	1.64E-02	3.27E-03	2.29E-01	2.19E-01	3.62E-01	1.50E+00	1.12E-01	2.19E+00	2.18E-01	4.14E-05	1.64E-02	3.27E-03	2.38E-01
1430	495511.06	3858401.99	2.09E-01	3.53E-05	1.63E-02	3.27E-03	2.29E-01	2.18E-01	3.61E-01	1.49E+00	1.12E-01	2.18E+00	2.17E-01	4.13E-05	1.63E-02	3.27E-03	2.37E-01
1431	495561.06	3858401.99	2.06E-01	3.51E-05	1.63E-02	3.28E-03	2.25E-01	2.14E-01	3.59E-01	1.49E+00	1.12E-01	2.17E+00	2.14E-01	4.11E-05	1.63E-02	3.28E-03	2.34E-01
1432	495611.06	3858401.99	2.05E-01	3.50E-05	1.62E-02	3.28E-03	2.25E-01	2.14E-01	3.58E-01	1.48E+00	1.12E-01	2.17E+00	2.14E-01	4.10E-05	1.62E-02	3.28E-03	2.33E-01
1433	495661.06	3858401.99	2.07E-01	3.51E-05	1.62E-02	3.27E-03	2.26E-01	2.16E-01	3.58E-01	1.48E+00	1.12E-01	2.16E+00	2.15E-01	4.10E-05	1.62E-02	3.27E-03	2.35E-01
1434	494311.06	3858451.99	3.69E-01	4.18E-05	2.26E-02	3.73E-03	3.95E-01	3.85E-01	4.27E-01	2.06E+00	1.28E-01	3.00E+00	3.84E-01	4.89E-05	2.26E-02	3.73E-03	4.10E-01
1435	494361.06	3858451.99	3.57E-01	4.16E-05	2.24E-02	3.72E-03	3.83E-01	3.72E-01	4.25E-01	2.04E+00	1.27E-01	2.97E+00	3.72E-01	4.86E-05	2.24E-02	3.72E-03	3.98E-01
1436	494411.06	3858451.99	3.47E-01	4.13E-05	2.22E-02	3.71E-03	3.73E-01	3.62E-01	4.22E-01	2.02E+00	1.27E-01	2.94E+00	3.61E-01	4.83E-05	2.22E-02	3.71E-03	3.87E-01
1437	494461.06	3858451.99	3.41E-01	4.11E-05	2.20E-02	3.70E-03	3.66E-01	3.55E-01	4.20E-01	2.01E+00	1.26E-01	2.91E+00	3.55E-01	4.81E-05	2.20E-02	3.70E-03	3.80E-01
1438	494511.06	3858451.99	3.38E-01	4.09E-05	2.18E-02	3.70E-03	3.64E-01	3.53E-01	4.18E-01	1.99E+00	1.27E-01	2.89E+00	3.52E-01	4.79E-05	2.18E-02	3.70E-03	3.78E-01
1439	494561.06	3858451.99	3.30E-01	4.05E-05	2.16E-02	3.69E-03	3.55E-01	3.44E-01	4.14E-01	1.97E+00	1.26E-01	2.85E+00	3.43E-01	4.74E-05	2.16E-02	3.69E-03	3.69E-01
1440	494611.06	3858451.99	3.24E-01	4.04E-05	2.13E-02	3.67E-03	3.49E-01	3.38E-01	4.12E-01	1.94E+00	1.26E-01	2.82E+00	3.37E-01	4.72E-05	2.13E-02	3.67E-03	3.62E-01
1441	494661.06	3858451.99	3.18E-01	4.02E-05	2.11E-02	3.65E-03	3.43E-01	3.32E-01	4.11E-01	1.92E+00	1.25E-01	2.79E+00	3.31E-01	4.71E-05	2.11E-02	3.65E-03	3.56E-01
1442	494711.06	3858451.99	3.08E-01	4.01E-05	2.08E-02	3.63E-03	3.33E-01	3.22E-01	4.09E-01	1.90E+00	1.24E-01	2.75E+00	3.21E-01	4.69E-05	2.08E-02	3.63E-03	3.45E-01
1443	494761.06	3858451.99	2.97E-01	4.00E-05	2.06E-02	3.61E-03	3.21E-01	3.10E-01	4.09E-01	1.88E+00	1.24E-01	2.72E+00	3.09E-01	4.68E-05	2.06E-02	3.61E-03	3.34E-01
1444	494811.06	3858451.99	2.91E-01	3.98E-05	2.03E-02	3.58E-03	3.14E-01	3.03E-01	4.06E-01	1.85E+00	1.22E-01	2.68E+00	3.03E-01	4.65E-05	2.03E-02	3.58E-03	3.26E-01
1445	494861.06	3858451.99	2.84E-01	3.96E-05	2.00E-02	3.53E-03	3.07E-01	2.96E-01	4.05E-01	1.82E+00	1.21E-01	2.64E+00	2.95E-01	4.64E-05	2.00E-02	3.53E-03	3.19E-01
1446	494911.06	3858451.99	2.75E-01	3.89E-05	1.98E-02	3.50E-03	2.99E-01	2.87E-01	3.98E-01	1.80E+00	1.20E-01	2.61E+00	2.87E-01	4.55E-05	1.98E-02	3.50E-03	3.10E-01
1447	494961.06	3858451.99	2.68E-01	3.86E-05	1.94E-02	3.43E-03	2.91E-01	2.80E-01	3.94E-01	1.77E+00	1.17E-01	2.56E+00	2.79E-01	4.51E-05	1.94E-02	3.43E-03	3.02E-01
1448	495011.06	3858451.99	2.60E-01	3.83E-05	1.92E-02	3.41E-03	2.83E-01	2.72E-01	3.91E-01	1.75E+00	1.16E-01	2.53E+00	2.71E-01	4.48E-05	1.92E-02	3.41E-03	2.94E-01
1449	495061.06	3858451.99	2.58E-01	3.81E-05	1.90E-02	3.41E-03	2.80E-01	2.69E-01	3.90E-01	1.73E+00	1.16E-01	2.51E+00	2.69E-01	4.46E-05	1.90E-02	3.41E-03	2.91E-01
1450	495111.06	3858451.99	2.51E-01	3.79E-05	1.87E-02	3.41E-03	2.73E-01	2.62E-01	3.87E-01	1.71E+00	1.16E-01	2.47E+00	2.61E-01	4.44E-05	1.87E-02	3.41E-03	2.83E-01
1451	495161.06	3858451.99	2.42E-01	3.77E-05	1.84E-02	3.40E-03	2.64E-01	2.52E-01	3.85E-01	1.68E+00	1.16E-01	2.43E+00	2.52E-01	4.41E-05	1.84E-02	3.40E-03	2.74E-01
1452	495211.06	3858451.99	2.34E-01	3.64E-05	1.81E-02	3.39E-03	2.56E-01	2.45E-01	3.72E-01	1.65E+00	1.16E-01	2.38E+00	2.44E-01	4.26E-05	1.81E-02	3.39E-03	2.66E-01
1453	495261.06	3858451.99	2.30E-01	3.62E-05	1.79E-02	3.38E-03	2.51E-01	2.40E-01	3.70E-01	1.63E+00	1.16E-01	2.36E+00	2.40E-01	4.24E-05	1.79E-02	3.38E-03	2.61E-01
1454	495311.06	3858451.99	2.27E-01	3.60E-05	1.77E-02	3.37E-03	2.48E-01	2.37E-01	3.68E-01	1.62E+00	1.15E-01	2.34E+00	2.36E-01	4.21E-05	1.77E-02	3.37E-03	2.57E-01
1455	495361.06	3858451.99	2.24E-01	3.59E-05	1.76E-02	3.37E-03	2.45E-01	2.34E-01	3.67E-01	1.60E+00	1.15E-01	2.32E+00	2.34E-01	4.20E-05	1.76E-02	3.37E-03	2.55E-01
1456	495411.06	3858451.99	2.24E-01	3.58E-05	1.75E-02	3.37E-03	2.45E-01	2.34E-01	3.66E-01	1.59E+00	1.15E-01	2.31E+00	2.33E-01	4.19E-05	1.75E-02	3.37E-03	2.54E-01
1457	495461.06	3858451.99	2.24E-01	3.57E-05	1.73E-02	3.36E-03	2.45E-01	2.34E-01	3.64E-01	1.58E+00	1.15E-01	2.29E+00	2.33E-01	4.17E-05	1.73E-02	3.36E-03	2.54E-01
1458	495511.06	3858451.99	2.21E-01	3.55E-05	1.72E-02	3.35E-03	2.41E-01	2.30E-01	3.63E-01	1.57E+00	1.15E-01	2.27E+00	2.30E-01	4.15E-05	1.72E-02	3.35E-03	2.50E-01
1459	495561.06	3858451.99	2.22E-01	3.54E-05	1.71E-02	3.35E-03	2.43E-01	2.32E-01	3.62E-01	1.56E+00	1.14E-01	2.27E+00	2.32E-01	4.15E-05	1.71E-02	3.35E-03	2.52E-01
1460	495611.06	3858451.99	2.18E-01	3.53E-05	1.69E-02	3.34E-03	2.38E-01	2.27E-01	3.60E-01	1.54E+00	1.14E-01	2.24E+00	2.27E-01	4.12E-05	1.69E-02	3.34E-03	2.47E-01

1461	495661.06	3858451.99	2.18E-01	3.52E-05	1.68E-02	3.33E-03	2.38E-01	2.27E-01	3.59E-01	1.53E+00	1.14E-01	2.23E+00	2.27E-01	4.12E-05	1.68E-02	3.33E-03	2.47E-01
1462	494311.06	3858501.99	3.92E-01	4.34E-05	2.28E-02	3.74E-03	4.18E-01	4.09E-01	4.43E-01	2.08E+00	1.28E-01	3.06E+00	4.08E-01	5.08E-05	2.28E-02	3.74E-03	4.34E-01
1463	494361.06	3858501.99	3.85E-01	4.33E-05	2.26E-02	3.74E-03	4.12E-01	4.02E-01	4.42E-01	2.06E+00	1.28E-01	3.03E+00	4.01E-01	5.06E-05	2.26E-02	3.74E-03	4.27E-01
1464	494411.06	3858501.99	3.78E-01	4.21E-05	2.22E-02	3.73E-03	4.04E-01	3.94E-01	4.30E-01	2.02E+00	1.28E-01	2.98E+00	3.94E-01	4.93E-05	2.22E-02	3.73E-03	4.20E-01
1465	494461.06	3858501.99	3.74E-01	4.20E-05	2.19E-02	3.72E-03	3.99E-01	3.90E-01	4.29E-01	2.00E+00	1.27E-01	2.94E+00	3.89E-01	4.91E-05	2.19E-02	3.72E-03	4.15E-01
1466	494511.06	3858501.99	3.61E-01	4.18E-05	2.16E-02	3.71E-03	3.86E-01	3.76E-01	4.27E-01	1.97E+00	1.27E-01	2.90E+00	3.76E-01	4.88E-05	2.16E-02	3.71E-03	4.01E-01
1467	494561.06	3858501.99	3.66E-01	4.17E-05	2.16E-02	3.70E-03	3.92E-01	3.82E-01	4.26E-01	1.97E+00	1.27E-01	2.91E+00	3.81E-01	4.88E-05	2.16E-02	3.70E-03	4.07E-01
1468	494611.06	3858501.99	3.56E-01	4.15E-05	2.13E-02	3.69E-03	3.81E-01	3.71E-01	4.24E-01	1.94E+00	1.26E-01	2.87E+00	3.70E-01	4.86E-05	2.13E-02	3.69E-03	3.96E-01
1469	494661.06	3858501.99	3.50E-01	4.14E-05	2.12E-02	3.67E-03	3.75E-01	3.66E-01	4.23E-01	1.93E+00	1.26E-01	2.85E+00	3.65E-01	4.84E-05	2.12E-02	3.67E-03	3.90E-01
1470	494711.06	3858501.99	3.38E-01	4.11E-05	2.10E-02	3.67E-03	3.63E-01	3.53E-01	4.20E-01	1.92E+00	1.25E-01	2.81E+00	3.52E-01	4.81E-05	2.10E-02	3.67E-03	3.77E-01
1471	494761.06	3858501.99	3.26E-01	4.02E-05	2.08E-02	3.66E-03	3.51E-01	3.40E-01	4.11E-01	1.90E+00	1.25E-01	2.77E+00	3.40E-01	4.71E-05	2.08E-02	3.66E-03	3.64E-01
1472	494811.06	3858501.99	3.16E-01	3.99E-05	2.03E-02	3.64E-03	3.40E-01	3.30E-01	4.08E-01	1.85E+00	1.25E-01	2.71E+00	3.30E-01	4.67E-05	2.03E-02	3.64E-03	3.54E-01
1473	494861.06	3858501.99	3.09E-01	3.97E-05	2.01E-02	3.63E-03	3.33E-01	3.23E-01	4.06E-01	1.84E+00	1.24E-01	2.69E+00	3.22E-01	4.65E-05	2.01E-02	3.63E-03	3.46E-01
1474	494911.06	3858501.99	2.93E-01	3.96E-05	1.98E-02	3.60E-03	3.16E-01	3.06E-01	4.04E-01	1.81E+00	1.23E-01	2.64E+00	3.05E-01	4.63E-05	1.98E-02	3.60E-03	3.29E-01
1475	494961.06	3858501.99	2.87E-01	3.95E-05	1.97E-02	3.58E-03	3.10E-01	2.99E-01	4.04E-01	1.79E+00	1.22E-01	2.62E+00	2.98E-01	4.62E-05	1.97E-02	3.58E-03	3.22E-01
1476	495011.06	3858501.99	2.77E-01	3.86E-05	1.94E-02	3.53E-03	3.00E-01	2.89E-01	3.95E-01	1.77E+00	1.21E-01	2.57E+00	2.89E-01	4.52E-05	1.94E-02	3.53E-03	3.12E-01
1477	495061.06	3858501.99	2.74E-01	3.84E-05	1.93E-02	3.51E-03	2.97E-01	2.86E-01	3.92E-01	1.76E+00	1.20E-01	2.56E+00	2.85E-01	4.49E-05	1.93E-02	3.51E-03	3.08E-01
1478	495111.06	3858501.99	2.62E-01	3.78E-05	1.89E-02	3.45E-03	2.84E-01	2.73E-01	3.86E-01	1.72E+00	1.18E-01	2.50E+00	2.72E-01	4.42E-05	1.89E-02	3.45E-03	2.95E-01
1479	495161.06	3858501.99	2.55E-01	3.76E-05	1.85E-02	3.44E-03	2.77E-01	2.66E-01	3.84E-01	1.69E+00	1.18E-01	2.46E+00	2.66E-01	4.40E-05	1.85E-02	3.44E-03	2.88E-01
1480	495211.06	3858501.99	2.48E-01	3.74E-05	1.81E-02	3.43E-03	2.70E-01	2.59E-01	3.83E-01	1.65E+00	1.17E-01	2.41E+00	2.58E-01	4.38E-05	1.81E-02	3.43E-03	2.80E-01
1481	495261.06	3858501.99	2.44E-01	3.74E-05	1.78E-02	3.42E-03	2.65E-01	2.54E-01	3.82E-01	1.63E+00	1.17E-01	2.38E+00	2.54E-01	4.37E-05	1.78E-02	3.42E-03	2.75E-01
1482	495311.06	3858501.99	2.41E-01	3.73E-05	1.77E-02	3.42E-03	2.63E-01	2.52E-01	3.82E-01	1.61E+00	1.17E-01	2.36E+00	2.51E-01	4.37E-05	1.77E-02	3.42E-03	2.73E-01
1483	495361.06	3858501.99	2.39E-01	3.72E-05	1.76E-02	3.41E-03	2.60E-01	2.50E-01	3.80E-01	1.60E+00	1.17E-01	2.35E+00	2.49E-01	4.35E-05	1.76E-02	3.41E-03	2.70E-01
1484	495411.06	3858501.99	2.39E-01	3.60E-05	1.75E-02	3.40E-03	2.60E-01	2.49E-01	3.67E-01	1.60E+00	1.16E-01	2.33E+00	2.48E-01	4.21E-05	1.75E-02	3.40E-03	2.69E-01
1485	495461.06	3858501.99	2.38E-01	3.58E-05	1.74E-02	3.39E-03	2.59E-01	2.48E-01	3.66E-01	1.59E+00	1.16E-01	2.32E+00	2.48E-01	4.19E-05	1.74E-02	3.39E-03	2.69E-01
1486	495511.06	3858501.99	2.37E-01	3.57E-05	1.72E-02	3.38E-03	2.57E-01	2.47E-01	3.65E-01	1.57E+00	1.15E-01	2.30E+00	2.46E-01	4.17E-05	1.72E-02	3.38E-03	2.67E-01
1487	495561.06	3858501.99	2.39E-01	3.66E-05	1.71E-02	3.36E-03	2.59E-01	2.49E-01	3.74E-01	1.56E+00	1.15E-01	2.30E+00	2.48E-01	4.28E-05	1.71E-02	3.36E-03	2.69E-01
1488	495611.06	3858501.99	2.36E-01	3.64E-05	1.71E-02	3.35E-03	2.56E-01	2.46E-01	3.72E-01	1.56E+00	1.15E-01	2.29E+00	2.45E-01	4.26E-05	1.71E-02	3.35E-03	2.66E-01
1489	495661.06	3858501.99	2.35E-01	3.54E-05	1.69E-02	3.34E-03	2.55E-01	2.45E-01	3.62E-01	1.54E+00	1.14E-01	2.26E+00	2.45E-01	4.14E-05	1.69E-02	3.34E-03	2.65E-01
1490	494311.06	3858551.99	3.97E-01	4.33E-05	2.35E-02	3.74E-03	4.24E-01	4.14E-01	4.42E-01	2.14E+00	1.28E-01	3.13E+00	4.13E-01	5.06E-05	2.35E-02	3.74E-03	4.41E-01
1491	494361.06	3858551.99	4.07E-01	4.33E-05	2.34E-02	3.76E-03	4.35E-01	4.25E-01	4.42E-01	2.13E+00	1.29E-01	3.13E+00	4.24E-01	5.07E-05	2.34E-02	3.76E-03	4.51E-01
1492	494411.06	3858551.99	4.17E-01	4.35E-05	2.32E-02	3.76E-03	4.44E-01	4.35E-01	4.44E-01	2.12E+00	1.29E-01	3.13E+00	4.34E-01	5.09E-05	2.32E-02	3.76E-03	4.61E-01
1493	494461.06	3858551.99	4.16E-01	4.34E-05	2.31E-02	3.77E-03	4.43E-01	4.34E-01	4.43E-01	2.11E+00	1.29E-01	3.11E+00	4.33E-01	5.08E-05	2.31E-02	3.77E-03	4.60E-01
1494	494511.06	3858551.99	4.09E-01	4.33E-05	2.29E-02	3.78E-03	4.36E-01	4.27E-01	4.42E-01	2.09E+00	1.29E-01	3.09E+00	4.26E-01	5.06E-05	2.29E-02	3.78E-03	4.53E-01
1495	494561.06	3858551.99	4.06E-01	4.31E-05	2.28E-02	3.78E-03	4.32E-01	4.23E-01	4.41E-01	2.08E+00	1.29E-01	3.07E+00	4.23E-01	5.05E-05	2.28E-02	3.78E-03	4.49E-01
1496	494611.06	3858551.99	3.98E-01	4.30E-05	2.26E-02	3.77E-03	4.24E-01	4.15E-01	4.39E-01	2.06E+00	1.29E-01	3.04E+00	4.14E-01	5.03E-05	2.26E-02	3.77E-03	4.41E-01
1497	494661.06	3858551.99	3.90E-01	4.27E-05	2.24E-02	3.77E-03	4.16E-01	4.07E-01	4.36E-01	2.04E+00	1.29E-01	3.01E+00	4.06E-01	4.99E-05	2.24E-02	3.77E-03	4.32E-01
1498	494711.06	3858551.99	3.77E-01	4.18E-05	2.21E-02	3.74E-03	4.02E-01	3.93E-01	4.27E-01	2.01E+00	1.28E-01	2.96E+00	3.92E-01	4.89E-05	2.21E-02	3.74E-03	4.18E-01
1499	494761.06	3858551.99	3.62E-01	4.15E-05	2.12E-02	3.73E-03	3.87E-01	3.78E-01	4.24E-01	1.94E+00	1.27E-01	2.87E+00	3.77E-01	4.85E-05	2.12E-02	3.73E-03	4.02E-01
1500	494811.06	3858551.99	3.52E-01	4.13E-05	2.08E-02	3.72E-03	3.76E-01	3.67E-01	4.21E-01	1.90E+00	1.27E-01	2.81E+00	3.66E-01	4.83E-05	2.08E-02	3.72E-03	3.91E-01
1501	494861.06	3858551.99	3.37E-01	4.10E-05	2.04E-02	3.70E-03	3.61E-01	3.52E-01	4.19E-01	1.86E+00	1.27E-01	2.75E+00	3.51E-01	4.80E-05	2.04E-02	3.70E-03	3.75E-01
1502	494911.06	3858551.99	3.23E-01	4.03E-05	1.97E-02	3.67E-03	3.46E-01	3.37E-01	4.12E-01	1.80E+00	1.26E-01	2.67E+00	3.36E-01	4.71E-05	1.97E-02	3.67E-03	3.60E-01
1503	494961.06	3858551.99	3.13E-01	3.98E-05	1.89E-02	3.66E-03	3.36E-01	3.27E-01	4.07E-01	1.73E+00	1.25E-01	2.59E+00	3.26E-01	4.66E-05	1.89E-02	3.66E-03	3.49E-01
1504	495011.06	3858551.99	3.00E-01	3.94E-05	1.86E-02	3.59E-03	3.22E-01	3.13E-01	4.03E-01	1.69E+00	1.23E-01	2.53E+00	3.12E-01	4.61E-05	1.86E-02	3.59E-03	3.34E-01
1505	495061.06	3858551.99	2.91E-01	3.92E-05	1.83E-02	3.56E-03	3.13E-01	3.03E-01	4.00E-01	1.67E+00	1.22E-01	2.50E+00	3.03E-01	4.58E-05	1.83E-02	3.56E-03	3.25E-01
1506	495111.06	3858551.99	2.77E-01	3.78E-05	1.78E-02	3.50E-03	2.98E-01	2.89E-01	3.86E-01	1.63E+00	1.20E-01	2.42E+00	2.88E-01	4.42E-05	1.78E-02	3.50E-03	3.10E-01
1507	495161.06	3858551.99	2.69E-01	3.75E-05	1.76E-02	3.48E-03	2.91E-01	2.81E-01	3.83E-01	1.60E+00	1.19E-01	2.39E+00	2.81E-01	4.38E-05	1.76E-02	3.48E-03	3.02E-01
1508	495211.06	3858551.99	2.63E-01	3.69E-05	1.74E-02	3.47E-03	2.84E-01	2.75E-01	3.77E-01	1.59E+00	1.19E-01	2.36E+00	2.74E-01	4.32E-05	1.74E-02	3.47E-03	2.95E-01
1509	495261.06	3858551.99	2.59E-01	3.69E-05	1.73E-02	3.44E-03	2.80E-01	2.70E-01	3.77E-01	1.58E+00	1.18E-01	2.35E+00	2.69E-01	4.32E-05	1.73E-02	3.44E-03	2.90E-01
1510	495311.06	3858551.99	2.57E-01	3.69E-05	1.73E-02	3.42E-03	2.78E-01	2.68E-01	3.77E-01	1.58E+00	1.17E-01	2.34E+00	2.68E-01	4.32E-05	1.73E-02	3.42E-03	2.89E-01
1511	495361.06	3858551.99	2.55E-01	3.69E-05	1.73E-02	3.41E-03	2.76E-01	2.66E-01	3.77E-01	1.57E+00	1.17E-01	2.33E+00	2.66E-01	4.31E-05	1.73E-02	3.41E-03	2.87E-01
1512	495411.06	3858551.99	2.55E-01	3.68E-05	1.73E-02	3.41E-03	2.76E-01	2.66E-01	3.76E-01	1.58E+00	1.16E-01	2.34E+00	2.66E-01	4.31E-05	1.73E-02	3.41E-03	2.86E-01
1513	495461.06	3858551.99	2.54E-01	3.67E-05	1.73E-02	3.40E-03	2.74E-01	2.65E-01	3.75E-01	1.58E+00	1.16E-01	2.33E+00	2.64E-01	4.29E-05	1.73E-02	3.40E-03	2.85E-01
1514	495511.06	3858551.99	2.54E-01	3.66E-05	1.73E-02	3.40E-03	2.75E-01	2.65E-01	3.74E-01	1.58E+00	1.16E-01	2.33E+00	2.65E-01	4.29E-05	1.73E-02	3.40E-03	2.85E-01
1515	495561.06	3858551.99	2.52E-01	3.65E-05	1.73E-02	3.40E-03	2.73E-01	2.63E-01	3.73E-01	1.58E+00	1.16E-01	2.33E+00	2.63E-01	4.27E-05	1.73E-02	3.40E-03	2.84E-01
1516	495611.06	3858551.99	2.50E-01	3.64E-05	1.72E-02	3.39E-03	2.71E-01	2.61E-01	3.72E-01	1.57E+00	1.16E-01	2.32E+00	2.61E-01	4.26E-05	1.72E-02	3.39E-03	2.81E-01
1517	495661.06	3858551.99	2.48E-01	3.62E-05	1.71E-02	3.38E-03	2.69E-01	2.59E-01	3.70E-01	1.56E+00	1.16E-01	2.31E+00	2.59E-01	4.24E-05	1.71E-02	3.38E-03	2.79E-01
1518	494311.06	3858601.99	3.63E-01	4.26E-05	2.18E-02	3.73E-03	3.89E-01	3.79E-01	4.35E-01	1.99E+00	1.28E-01	2.93E+00	3.78E-01	4.98E-05	2.18E-02	3.73E-03	4.04E-01
1519	494361.06	3858601.99	4.21E-01	4.33E-05	2.44E-02	3.85E-03	4.49E-01	4.39E-01	4.42E-01	2.23E+00	1.32E-01	3.24E+00	4.38E-01	5.07E-05	2.44E-02	3.85E-03	4.66E-01
1520	494411.06	3858601.99	4.66E-01	4.42E-05	2.56E-02	3.91E-03	4.96E-01	4.87E-01	4.51E-01	2.33E+00	1.34E-01	3.40E+00	4.86E-01	5.17E-05	2.56E-02	3.91E-03	5.15E-01
1521	494461.06	3858601.99	4.67E-01	4.41E-05	2.53E-02	3.90E-03	4.96E-01	4.87E-01	4.50E-01	2.31E+00	1.33E-01	3.38E+00	4.86E-01	5.15E-05	2.53E-02	3.90E-03	5.16E-01

1522	494511.06	3858601.99	4.50E-01	4.36E-05	2.48E-02	3.89E-03	4.79E-01	4.70E-01	4.45E-01	2.27E+00	1.33E-01	3.31E+00	4.69E-01	5.10E-05	2.48E-02	3.89E-03	4.98E-01
1523	494561.06	3858601.99	4.57E-01	4.37E-05	2.44E-02	3.87E-03	4.86E-01	4.77E-01	4.47E-01	2.22E+00	1.32E-01	3.28E+00	4.76E-01	5.11E-05	2.44E-02	3.87E-03	5.05E-01
1524	494611.06	3858601.99	4.43E-01	4.35E-05	2.36E-02	3.85E-03	4.71E-01	4.62E-01	4.44E-01	2.15E+00	1.32E-01	3.19E+00	4.61E-01	5.09E-05	2.36E-02	3.85E-03	4.89E-01
1525	494661.06	3858601.99	4.35E-01	4.33E-05	2.30E-02	3.82E-03	4.62E-01	4.54E-01	4.43E-01	2.10E+00	1.31E-01	3.13E+00	4.53E-01	5.07E-05	2.30E-02	3.82E-03	4.80E-01
1526	494711.06	3858601.99	4.21E-01	4.25E-05	2.26E-02	3.80E-03	4.48E-01	4.39E-01	4.35E-01	2.06E+00	1.30E-01	3.07E+00	4.39E-01	4.98E-05	2.26E-02	3.80E-03	4.65E-01
1527	494761.06	3858601.99	4.06E-01	4.21E-05	2.25E-02	3.80E-03	4.32E-01	4.23E-01	4.30E-01	2.05E+00	1.30E-01	3.03E+00	4.22E-01	4.93E-05	2.25E-02	3.80E-03	4.49E-01
1528	494811.06	3858601.99	3.80E-01	4.15E-05	2.22E-02	3.78E-03	4.06E-01	3.97E-01	4.24E-01	2.03E+00	1.29E-01	2.98E+00	3.96E-01	4.85E-05	2.22E-02	3.78E-03	4.22E-01
1529	494861.06	3858601.99	3.71E-01	4.12E-05	2.17E-02	3.77E-03	3.96E-01	3.87E-01	4.21E-01	1.98E+00	1.29E-01	2.91E+00	3.86E-01	4.82E-05	2.17E-02	3.77E-03	4.11E-01
1530	494911.06	3858601.99	3.50E-01	4.07E-05	2.09E-02	3.73E-03	3.75E-01	3.65E-01	4.16E-01	1.90E+00	1.28E-01	2.81E+00	3.65E-01	4.76E-05	2.09E-02	3.73E-03	3.89E-01
1531	494961.06	3858601.99	3.37E-01	4.00E-05	2.01E-02	3.70E-03	3.61E-01	3.52E-01	4.09E-01	1.83E+00	1.26E-01	2.72E+00	3.51E-01	4.69E-05	2.01E-02	3.70E-03	3.75E-01
1532	495011.06	3858601.99	3.25E-01	3.97E-05	1.91E-02	3.66E-03	3.48E-01	3.39E-01	4.05E-01	1.74E+00	1.25E-01	2.61E+00	3.39E-01	4.64E-05	1.91E-02	3.66E-03	3.62E-01
1533	495061.06	3858601.99	3.13E-01	3.93E-05	1.83E-02	3.63E-03	3.35E-01	3.27E-01	4.01E-01	1.67E+00	1.24E-01	2.52E+00	3.26E-01	4.59E-05	1.83E-02	3.63E-03	3.48E-01
1534	495111.06	3858601.99	2.95E-01	3.88E-05	1.78E-02	3.58E-03	3.17E-01	3.08E-01	3.96E-01	1.63E+00	1.22E-01	2.45E+00	3.08E-01	4.53E-05	1.78E-02	3.58E-03	3.29E-01
1535	495161.06	3858601.99	2.86E-01	3.82E-05	1.75E-02	3.55E-03	3.07E-01	2.98E-01	3.90E-01	1.60E+00	1.21E-01	2.41E+00	2.97E-01	4.46E-05	1.75E-02	3.55E-03	3.19E-01
1536	495211.06	3858601.99	2.81E-01	3.78E-05	1.73E-02	3.54E-03	3.02E-01	2.93E-01	3.86E-01	1.58E+00	1.21E-01	2.38E+00	2.92E-01	4.42E-05	1.73E-02	3.54E-03	3.13E-01
1537	495261.06	3858601.99	2.76E-01	3.71E-05	1.71E-02	3.53E-03	2.97E-01	2.88E-01	3.79E-01	1.56E+00	1.21E-01	2.35E+00	2.88E-01	4.34E-05	1.71E-02	3.53E-03	3.08E-01
1538	495311.06	3858601.99	2.73E-01	3.70E-05	1.69E-02	3.51E-03	2.94E-01	2.85E-01	3.78E-01	1.54E+00	1.20E-01	2.33E+00	2.85E-01	4.32E-05	1.69E-02	3.51E-03	3.05E-01
1539	495361.06	3858601.99	2.72E-01	3.69E-05	1.68E-02	3.50E-03	2.92E-01	2.84E-01	3.77E-01	1.53E+00	1.20E-01	2.31E+00	2.83E-01	4.31E-05	1.68E-02	3.50E-03	3.04E-01
1540	495411.06	3858601.99	2.71E-01	3.67E-05	1.67E-02	3.49E-03	2.91E-01	2.83E-01	3.75E-01	1.53E+00	1.19E-01	2.30E+00	2.82E-01	4.30E-05	1.67E-02	3.49E-03	3.03E-01
1541	495461.06	3858601.99	2.71E-01	3.67E-05	1.67E-02	3.48E-03	2.91E-01	2.82E-01	3.75E-01	1.52E+00	1.19E-01	2.30E+00	2.82E-01	4.29E-05	1.67E-02	3.48E-03	3.02E-01
1542	495511.06	3858601.99	2.67E-01	3.65E-05	1.66E-02	3.46E-03	2.88E-01	2.79E-01	3.73E-01	1.52E+00	1.18E-01	2.29E+00	2.78E-01	4.27E-05	1.66E-02	3.46E-03	2.99E-01
1543	495561.06	3858601.99	2.68E-01	3.65E-05	1.67E-02	3.44E-03	2.88E-01	2.80E-01	3.72E-01	1.52E+00	1.18E-01	2.29E+00	2.79E-01	4.27E-05	1.67E-02	3.44E-03	2.99E-01
1544	495611.06	3858601.99	2.64E-01	3.62E-05	1.65E-02	3.42E-03	2.84E-01	2.75E-01	3.70E-01	1.50E+00	1.17E-01	2.27E+00	2.75E-01	4.23E-05	1.65E-02	3.42E-03	2.95E-01
1545	495661.06	3858601.99	2.64E-01	3.61E-05	1.64E-02	3.40E-03	2.84E-01	2.75E-01	3.69E-01	1.50E+00	1.16E-01	2.26E+00	2.75E-01	4.22E-05	1.64E-02	3.40E-03	2.95E-01
1546	494311.06	3858651.99	3.74E-01	4.21E-05	2.23E-02	3.71E-03	4.00E-01	3.90E-01	4.30E-01	2.03E+00	1.27E-01	2.98E+00	3.90E-01	4.92E-05	2.23E-02	3.71E-03	4.16E-01
1547	494361.06	3858651.99	4.31E-01	4.33E-05	2.48E-02	3.81E-03	4.60E-01	4.50E-01	4.43E-01	2.26E+00	1.30E-01	3.29E+00	4.49E-01	5.07E-05	2.48E-02	3.81E-03	4.78E-01
1548	494411.06	3858651.99	5.07E-01	4.44E-05	2.53E-02	4.04E-03	5.36E-01	5.29E-01	4.53E-01	2.31E+00	1.38E-01	3.43E+00	5.28E-01	5.19E-05	2.53E-02	4.04E-03	5.57E-01
1549	494461.06	3858651.99	5.16E-01	4.46E-05	2.54E-02	3.91E-03	5.45E-01	5.38E-01	4.56E-01	2.32E+00	1.34E-01	3.44E+00	5.37E-01	5.22E-05	2.54E-02	3.91E-03	5.66E-01
1550	494511.06	3858651.99	5.10E-01	4.46E-05	2.54E-02	3.91E-03	5.39E-01	5.32E-01	4.55E-01	2.32E+00	1.34E-01	3.44E+00	5.31E-01	5.21E-05	2.54E-02	3.91E-03	5.60E-01
1551	494561.06	3858651.99	5.09E-01	4.45E-05	2.54E-02	3.92E-03	5.39E-01	5.31E-01	4.54E-01	2.32E+00	1.34E-01	3.44E+00	5.30E-01	5.20E-05	2.54E-02	3.92E-03	5.60E-01
1552	494611.06	3858651.99	5.02E-01	4.42E-05	2.53E-02	3.93E-03	5.31E-01	5.24E-01	4.52E-01	2.31E+00	1.34E-01	3.42E+00	5.23E-01	5.18E-05	2.53E-02	3.93E-03	5.52E-01
1553	494661.06	3858651.99	4.89E-01	4.37E-05	2.50E-02	3.92E-03	5.18E-01	5.10E-01	4.47E-01	2.28E+00	1.34E-01	3.37E+00	5.09E-01	5.11E-05	2.50E-02	3.92E-03	5.38E-01
1554	494711.06	3858651.99	4.65E-01	4.30E-05	2.48E-02	3.89E-03	4.94E-01	4.86E-01	4.40E-01	2.26E+00	1.33E-01	3.32E+00	4.85E-01	5.04E-05	2.48E-02	3.89E-03	5.13E-01
1555	494761.06	3858651.99	4.50E-01	4.25E-05	2.45E-02	3.86E-03	4.78E-01	4.70E-01	4.35E-01	2.24E+00	1.32E-01	3.27E+00	4.69E-01	4.98E-05	2.45E-02	3.86E-03	4.97E-01
1556	494811.06	3858651.99	4.27E-01	4.20E-05	2.34E-02	3.84E-03	4.54E-01	4.45E-01	4.29E-01	2.14E+00	1.31E-01	3.14E+00	4.44E-01	4.91E-05	2.34E-02	3.84E-03	4.71E-01
1557	494861.06	3858651.99	4.07E-01	4.15E-05	2.23E-02	3.84E-03	4.33E-01	4.25E-01	4.24E-01	2.03E+00	1.31E-01	3.01E+00	4.24E-01	4.85E-05	2.23E-02	3.84E-03	4.50E-01
1558	494911.06	3858651.99	3.84E-01	4.05E-05	2.15E-02	3.83E-03	4.10E-01	4.01E-01	4.14E-01	1.96E+00	1.31E-01	2.91E+00	4.00E-01	4.74E-05	2.15E-02	3.83E-03	4.26E-01
1559	494961.06	3858651.99	3.67E-01	4.01E-05	2.05E-02	3.79E-03	3.91E-01	3.83E-01	4.09E-01	1.87E+00	1.30E-01	2.79E+00	3.82E-01	4.69E-05	2.05E-02	3.79E-03	4.06E-01
1560	495011.06	3858651.99	3.53E-01	3.97E-05	2.02E-02	3.72E-03	3.77E-01	3.69E-01	4.05E-01	1.84E+00	1.27E-01	2.74E+00	3.68E-01	4.64E-05	2.02E-02	3.72E-03	3.92E-01
1561	495061.06	3858651.99	3.38E-01	3.92E-05	1.97E-02	3.68E-03	3.61E-01	3.53E-01	4.01E-01	1.79E+00	1.26E-01	2.67E+00	3.52E-01	4.59E-05	1.97E-02	3.68E-03	3.75E-01
1562	495111.06	3858651.99	3.22E-01	3.88E-05	1.91E-02	3.64E-03	3.44E-01	3.36E-01	3.96E-01	1.74E+00	1.25E-01	2.59E+00	3.35E-01	4.54E-05	1.91E-02	3.64E-03	3.58E-01
1563	495161.06	3858651.99	3.14E-01	3.84E-05	1.85E-02	3.62E-03	3.36E-01	3.28E-01	3.92E-01	1.69E+00	1.24E-01	2.53E+00	3.27E-01	4.49E-05	1.85E-02	3.62E-03	3.49E-01
1564	495211.06	3858651.99	3.03E-01	3.78E-05	1.81E-02	3.59E-03	3.25E-01	3.17E-01	3.87E-01	1.65E+00	1.23E-01	2.48E+00	3.16E-01	4.43E-05	1.81E-02	3.59E-03	3.38E-01
1565	495261.06	3858651.99	3.02E-01	3.78E-05	1.79E-02	3.59E-03	3.24E-01	3.15E-01	3.86E-01	1.63E+00	1.23E-01	2.45E+00	3.15E-01	4.42E-05	1.79E-02	3.59E-03	3.36E-01
1566	495311.06	3858651.99	2.97E-01	3.76E-05	1.77E-02	3.55E-03	3.19E-01	3.10E-01	3.84E-01	1.61E+00	1.22E-01	2.43E+00	3.10E-01	4.40E-05	1.77E-02	3.55E-03	3.31E-01
1567	495361.06	3858651.99	2.95E-01	3.75E-05	1.75E-02	3.53E-03	3.16E-01	3.07E-01	3.84E-01	1.60E+00	1.21E-01	2.41E+00	3.07E-01	4.39E-05	1.75E-02	3.53E-03	3.28E-01
1568	495411.06	3858651.99	2.93E-01	3.75E-05	1.74E-02	3.51E-03	3.14E-01	3.06E-01	3.83E-01	1.58E+00	1.20E-01	2.39E+00	3.05E-01	4.39E-05	1.74E-02	3.51E-03	3.26E-01
1569	495461.06	3858651.99	2.94E-01	3.75E-05	1.72E-02	3.49E-03	3.15E-01	3.07E-01	3.83E-01	1.57E+00	1.19E-01	2.38E+00	3.06E-01	4.38E-05	1.72E-02	3.49E-03	3.27E-01
1570	495511.06	3858651.99	2.89E-01	3.74E-05	1.70E-02	3.46E-03	3.10E-01	3.02E-01	3.82E-01	1.55E+00	1.18E-01	2.35E+00	3.01E-01	4.37E-05	1.70E-02	3.46E-03	3.22E-01
1571	495561.06	3858651.99	2.87E-01	3.73E-05	1.68E-02	3.43E-03	3.07E-01	2.99E-01	3.81E-01	1.53E+00	1.17E-01	2.33E+00	2.99E-01	4.36E-05	1.68E-02	3.43E-03	3.19E-01
1572	495611.06	3858651.99	2.81E-01	3.67E-05	1.66E-02	3.39E-03	3.01E-01	2.93E-01	3.74E-01	1.52E+00	1.16E-01	2.30E+00	2.93E-01	4.29E-05	1.66E-02	3.39E-03	3.13E-01
1573	495661.06	3858651.99	2.82E-01	3.66E-05	1.65E-02	3.37E-03	3.01E-01	2.94E-01	3.73E-01	1.51E+00	1.15E-01	2.29E+00	2.93E-01	4.28E-05	1.65E-02	3.37E-03	3.13E-01
1574	494311.06	3858701.99	4.09E-01	4.25E-05	2.31E-02	3.80E-03	4.36E-01	4.27E-01	4.35E-01	2.11E+00	1.30E-01	3.10E+00	4.26E-01	4.98E-05	2.31E-02	3.80E-03	4.53E-01
1575	494361.06	3858701.99	4.96E-01	4.39E-05	2.44E-02	3.98E-03	5.24E-01	5.18E-01	4.48E-01	2.22E+00	1.36E-01	3.33E+00	5.17E-01	5.13E-05	2.44E-02	3.98E-03	5.45E-01
1576	494411.06	3858701.99	5.57E-01	4.49E-05	2.43E-02	4.20E-03	5.86E-01	5.81E-01	4.59E-01	2.22E+00	1.44E-01	3.40E+00	5.80E-01	5.26E-05	2.43E-02	4.20E-03	6.09E-01
1577	494461.06	3858701.99	5.59E-01	4.50E-05	2.40E-02	4.22E-03	5.87E-01	5.83E-01	4.59E-01	2.19E+00	1.44E-01	3.37E+00	5.82E-01	5.26E-05	2.40E-02	4.22E-03	6.10E-01
1578	494511.06	3858701.99	5.62E-01	4.50E-05	2.37E-02	4.12E-03	5.90E-01	5.87E-01	4.60E-01	2.16E+00	1.41E-01	3.35E+00	5.86E-01	5.27E-05	2.37E-02	4.12E-03	6.14E-01
1579	494561.06	3858701.99	5.59E-01	4.48E-05	2.36E-02	4.08E-03	5.86E-01	5.83E-01	4.57E-01	2.15E+00	1.39E-01	3.33E+00	5.82E-01	5.24E-05	2.36E-02	4.08E-03	6.09E-01
1580	494611.06	3858701.99	5.31E-01	4.42E-05	2.35E-02	3.99E-03	5.58E-01	5.54E-01	4.52E-01	2.14E+00	1.36E-01	3.29E+00	5.53E-01	5.17E-05	2.35E-02	3.99E-03	5.80E-01
1581	494661.06	3858701.99	5.34E-01	4.42E-05	2.36E-02	3.99E-03	5.62E-01	5.57E-01	4.52E-01	2.15E+00	1.36E-01	3.30E+00	5.56E-01	5.18E-05	2.36E-02	3.99E-03	5.84E-01
1582	494711.06	3858701.99	4.69E-01	4.29E-05	2.34E-02	3.89E-03	4.96E-01	4.89E-01	4.38E-01	2.13E+00	1.33E-01	3.19E+00	4.88E-01	5.02E-05	2.34E-02	3.89E-03	5.15E-01

1583	494761.06	3858701.99	4.89E-01	4.30E-05	2.35E-02	3.90E-03	5.16E-01	5.10E-01	4.40E-01	2.15E+00	1.33E-01	3.23E+00	5.09E-01	5.03E-05	2.35E-02	3.90E-03	5.37E-01
1584	494811.06	3858701.99	4.63E-01	4.26E-05	2.34E-02	3.88E-03	4.90E-01	4.83E-01	4.36E-01	2.14E+00	1.33E-01	3.19E+00	4.82E-01	4.99E-05	2.34E-02	3.88E-03	5.09E-01
1585	494861.06	3858701.99	4.41E-01	4.23E-05	2.33E-02	3.88E-03	4.68E-01	4.60E-01	4.33E-01	2.12E+00	1.33E-01	3.15E+00	4.59E-01	4.95E-05	2.33E-02	3.88E-03	4.87E-01
1586	494911.06	3858701.99	4.26E-01	4.08E-05	2.32E-02	3.82E-03	4.53E-01	4.44E-01	4.17E-01	2.11E+00	1.31E-01	3.10E+00	4.43E-01	4.77E-05	2.32E-02	3.82E-03	4.70E-01
1587	494961.06	3858701.99	3.93E-01	4.02E-05	2.27E-02	3.77E-03	4.20E-01	4.10E-01	4.11E-01	2.07E+00	1.29E-01	3.02E+00	4.09E-01	4.70E-05	2.27E-02	3.77E-03	4.36E-01
1588	495011.06	3858701.99	3.75E-01	3.97E-05	2.13E-02	3.75E-03	4.01E-01	3.92E-01	4.06E-01	1.94E+00	1.28E-01	2.86E+00	3.91E-01	4.65E-05	2.13E-02	3.75E-03	4.16E-01
1589	495061.06	3858701.99	3.70E-01	3.94E-05	2.07E-02	3.72E-03	3.94E-01	3.86E-01	4.02E-01	1.88E+00	1.27E-01	2.80E+00	3.85E-01	4.61E-05	2.07E-02	3.72E-03	4.10E-01
1590	495111.06	3858701.99	3.49E-01	3.87E-05	1.97E-02	3.69E-03	3.72E-01	3.64E-01	3.95E-01	1.80E+00	1.26E-01	2.69E+00	3.63E-01	4.53E-05	1.97E-02	3.69E-03	3.87E-01
1591	495161.06	3858701.99	3.40E-01	3.85E-05	1.91E-02	3.66E-03	3.63E-01	3.55E-01	3.94E-01	1.75E+00	1.25E-01	2.62E+00	3.54E-01	4.51E-05	1.91E-02	3.66E-03	3.77E-01
1592	495211.06	3858701.99	3.27E-01	3.83E-05	1.87E-02	3.55E-03	3.49E-01	3.41E-01	3.91E-01	1.71E+00	1.22E-01	2.56E+00	3.41E-01	4.48E-05	1.87E-02	3.55E-03	3.63E-01
1593	495261.06	3858701.99	3.27E-01	3.82E-05	1.86E-02	3.55E-03	3.49E-01	3.41E-01	3.90E-01	1.70E+00	1.21E-01	2.55E+00	3.40E-01	4.47E-05	1.86E-02	3.55E-03	3.62E-01
1594	495311.06	3858701.99	3.25E-01	3.82E-05	1.85E-02	3.54E-03	3.47E-01	3.39E-01	3.90E-01	1.69E+00	1.21E-01	2.54E+00	3.38E-01	4.46E-05	1.85E-02	3.54E-03	3.60E-01
1595	495361.06	3858701.99	3.22E-01	3.81E-05	1.84E-02	3.50E-03	3.44E-01	3.36E-01	3.89E-01	1.68E+00	1.20E-01	2.52E+00	3.35E-01	4.45E-05	1.84E-02	3.50E-03	3.57E-01
1596	495411.06	3858701.99	3.24E-01	3.81E-05	1.83E-02	3.53E-03	3.45E-01	3.38E-01	3.89E-01	1.67E+00	1.21E-01	2.52E+00	3.37E-01	4.45E-05	1.83E-02	3.53E-03	3.59E-01
1597	495461.06	3858701.99	3.22E-01	3.80E-05	1.81E-02	3.51E-03	3.44E-01	3.36E-01	3.88E-01	1.65E+00	1.20E-01	2.50E+00	3.36E-01	4.44E-05	1.81E-02	3.51E-03	3.57E-01
1598	495511.06	3858701.99	3.18E-01	3.77E-05	1.80E-02	3.46E-03	3.39E-01	3.31E-01	3.85E-01	1.64E+00	1.18E-01	2.47E+00	3.31E-01	4.41E-05	1.80E-02	3.46E-03	3.52E-01
1599	495561.06	3858701.99	3.11E-01	3.75E-05	1.77E-02	3.43E-03	3.32E-01	3.25E-01	3.83E-01	1.62E+00	1.17E-01	2.44E+00	3.24E-01	4.39E-05	1.77E-02	3.43E-03	3.45E-01
1600	495611.06	3858701.99	3.06E-01	3.74E-05	1.74E-02	3.38E-03	3.27E-01	3.19E-01	3.82E-01	1.59E+00	1.16E-01	2.40E+00	3.19E-01	4.37E-05	1.74E-02	3.38E-03	3.39E-01
1601	495661.06	3858701.99	3.04E-01	3.72E-05	1.73E-02	3.35E-03	3.24E-01	3.17E-01	3.81E-01	1.57E+00	1.15E-01	2.39E+00	3.16E-01	4.36E-05	1.73E-02	3.35E-03	3.37E-01
1602	494311.06	3858751.99	4.50E-01	4.37E-05	2.36E-02	3.90E-03	4.77E-01	4.69E-01	4.47E-01	2.15E+00	1.33E-01	3.20E+00	4.68E-01	5.11E-05	2.36E-02	3.90E-03	4.96E-01
1603	494361.06	3858751.99	5.66E-01	4.55E-05	2.46E-02	4.24E-03	5.95E-01	5.91E-01	4.65E-01	2.25E+00	1.45E-01	3.45E+00	5.89E-01	5.32E-05	2.46E-02	4.24E-03	6.18E-01
1604	494411.06	3858751.99	6.17E-01	4.68E-05	2.49E-02	4.36E-03	6.46E-01	6.43E-01	4.78E-01	2.27E+00	1.49E-01	3.54E+00	6.42E-01	5.47E-05	2.49E-02	4.36E-03	6.71E-01
1605	494461.06	3858751.99	6.20E-01	4.68E-05	2.49E-02	4.36E-03	6.49E-01	6.46E-01	4.78E-01	2.27E+00	1.49E-01	3.54E+00	6.45E-01	5.47E-05	2.49E-02	4.36E-03	6.74E-01
1606	494511.06	3858751.99	6.30E-01	4.70E-05	2.48E-02	4.35E-03	6.59E-01	6.58E-01	4.81E-01	2.26E+00	1.49E-01	3.55E+00	6.56E-01	5.50E-05	2.48E-02	4.35E-03	6.86E-01
1607	494561.06	3858751.99	6.13E-01	4.62E-05	2.47E-02	4.34E-03	6.42E-01	6.40E-01	4.72E-01	2.25E+00	1.48E-01	3.51E+00	6.38E-01	5.41E-05	2.47E-02	4.34E-03	6.67E-01
1608	494611.06	3858751.99	5.84E-01	4.54E-05	2.44E-02	4.24E-03	6.13E-01	6.10E-01	4.64E-01	2.23E+00	1.45E-01	3.45E+00	6.08E-01	5.31E-05	2.44E-02	4.24E-03	6.37E-01
1609	494661.06	3858751.99	5.77E-01	4.51E-05	2.42E-02	4.23E-03	6.05E-01	6.02E-01	4.60E-01	2.21E+00	1.45E-01	3.41E+00	6.00E-01	5.27E-05	2.42E-02	4.23E-03	6.29E-01
1610	494711.06	3858751.99	5.44E-01	4.44E-05	2.37E-02	4.14E-03	5.72E-01	5.68E-01	4.53E-01	2.16E+00	1.42E-01	3.32E+00	5.67E-01	5.19E-05	2.37E-02	4.14E-03	5.95E-01
1611	494761.06	3858751.99	5.34E-01	4.44E-05	2.33E-02	4.03E-03	5.62E-01	5.58E-01	4.53E-01	2.12E+00	1.38E-01	3.27E+00	5.56E-01	5.19E-05	2.33E-02	4.03E-03	5.84E-01
1612	494811.06	3858751.99	5.05E-01	4.38E-05	2.28E-02	3.94E-03	5.32E-01	5.27E-01	4.47E-01	2.08E+00	1.35E-01	3.18E+00	5.26E-01	5.12E-05	2.28E-02	3.94E-03	5.52E-01
1613	494861.06	3858751.99	4.79E-01	4.33E-05	2.23E-02	3.87E-03	5.06E-01	5.00E-01	4.43E-01	2.04E+00	1.32E-01	3.11E+00	4.99E-01	5.07E-05	2.23E-02	3.87E-03	5.25E-01
1614	494911.06	3858751.99	4.52E-01	4.27E-05	2.19E-02	3.86E-03	4.78E-01	4.71E-01	4.36E-01	2.00E+00	1.32E-01	3.04E+00	4.71E-01	4.99E-05	2.19E-02	3.86E-03	4.96E-01
1615	494961.06	3858751.99	4.33E-01	4.22E-05	2.19E-02	3.77E-03	4.59E-01	4.52E-01	4.31E-01	2.00E+00	1.29E-01	3.01E+00	4.51E-01	4.93E-05	2.19E-02	3.77E-03	4.77E-01
1616	495011.06	3858751.99	4.22E-01	4.05E-05	2.19E-02	3.73E-03	4.48E-01	4.40E-01	4.13E-01	1.99E+00	1.28E-01	2.97E+00	4.39E-01	4.73E-05	2.19E-02	3.73E-03	4.65E-01
1617	495061.06	3858751.99	4.04E-01	3.99E-05	2.17E-02	3.68E-03	4.30E-01	4.22E-01	4.07E-01	1.98E+00	1.26E-01	2.93E+00	4.21E-01	4.66E-05	2.17E-02	3.68E-03	4.47E-01
1618	495111.06	3858751.99	3.83E-01	3.93E-05	2.10E-02	3.67E-03	4.08E-01	4.00E-01	4.01E-01	1.92E+00	1.26E-01	2.84E+00	3.99E-01	4.60E-05	2.10E-02	3.67E-03	4.24E-01
1619	495161.06	3858751.99	3.73E-01	3.90E-05	2.08E-02	3.65E-03	3.98E-01	3.90E-01	3.99E-01	1.90E+00	1.25E-01	2.81E+00	3.89E-01	4.56E-05	2.08E-02	3.65E-03	4.13E-01
1620	495211.06	3858751.99	3.61E-01	3.87E-05	2.06E-02	3.62E-03	3.85E-01	3.76E-01	3.95E-01	1.88E+00	1.24E-01	2.77E+00	3.75E-01	4.52E-05	2.06E-02	3.62E-03	4.00E-01
1621	495261.06	3858751.99	3.59E-01	3.86E-05	2.04E-02	3.61E-03	3.83E-01	3.74E-01	3.94E-01	1.86E+00	1.24E-01	2.75E+00	3.74E-01	4.51E-05	2.04E-02	3.61E-03	3.98E-01
1622	495311.06	3858751.99	3.58E-01	3.85E-05	2.01E-02	3.60E-03	3.81E-01	3.73E-01	3.93E-01	1.83E+00	1.23E-01	2.72E+00	3.72E-01	4.50E-05	2.01E-02	3.60E-03	3.96E-01
1623	495361.06	3858751.99	3.54E-01	3.84E-05	1.98E-02	3.59E-03	3.78E-01	3.70E-01	3.92E-01	1.81E+00	1.23E-01	2.69E+00	3.69E-01	4.49E-05	1.98E-02	3.59E-03	3.92E-01
1624	495411.06	3858751.99	3.58E-01	3.84E-05	1.98E-02	3.58E-03	3.81E-01	3.73E-01	3.92E-01	1.80E+00	1.22E-01	2.69E+00	3.72E-01	4.49E-05	1.98E-02	3.58E-03	3.96E-01
1625	495461.06	3858751.99	3.55E-01	3.83E-05	1.96E-02	3.55E-03	3.78E-01	3.70E-01	3.91E-01	1.78E+00	1.22E-01	2.67E+00	3.70E-01	4.48E-05	1.96E-02	3.55E-03	3.93E-01
1626	495511.06	3858751.99	3.50E-01	3.82E-05	1.92E-02	3.53E-03	3.72E-01	3.65E-01	3.90E-01	1.75E+00	1.21E-01	2.62E+00	3.64E-01	4.46E-05	1.92E-02	3.53E-03	3.87E-01
1627	495561.06	3858751.99	3.43E-01	3.80E-05	1.88E-02	3.50E-03	3.65E-01	3.58E-01	3.88E-01	1.71E+00	1.20E-01	2.58E+00	3.57E-01	4.45E-05	1.88E-02	3.50E-03	3.79E-01
1628	495611.06	3858751.99	3.37E-01	3.79E-05	1.85E-02	3.47E-03	3.59E-01	3.51E-01	3.87E-01	1.69E+00	1.19E-01	2.54E+00	3.51E-01	4.44E-05	1.85E-02	3.47E-03	3.73E-01
1629	495661.06	3858751.99	3.33E-01	3.79E-05	1.83E-02	3.45E-03	3.55E-01	3.48E-01	3.87E-01	1.67E+00	1.18E-01	2.52E+00	3.47E-01	4.43E-05	1.83E-02	3.45E-03	3.69E-01
1630	494311.06	3858801.99	5.29E-01	4.47E-05	2.30E-02	4.13E-03	5.57E-01	5.52E-01	4.57E-01	2.10E+00	1.41E-01	3.25E+00	5.51E-01	5.23E-05	2.30E-02	4.13E-03	5.78E-01
1631	494361.06	3858801.99	6.30E-01	4.76E-05	2.35E-02	4.38E-03	6.58E-01	6.57E-01	4.87E-01	2.14E+00	1.50E-01	3.44E+00	6.56E-01	5.57E-05	2.35E-02	4.38E-03	6.84E-01
1632	494411.06	3858801.99	6.60E-01	4.87E-05	2.37E-02	4.44E-03	6.89E-01	6.89E-01	4.97E-01	2.16E+00	1.52E-01	3.50E+00	6.88E-01	5.70E-05	2.37E-02	4.44E-03	7.16E-01
1633	494461.06	3858801.99	6.82E-01	4.92E-05	2.36E-02	4.46E-03	7.10E-01	7.12E-01	5.03E-01	2.15E+00	1.53E-01	3.52E+00	7.10E-01	5.76E-05	2.36E-02	4.46E-03	7.38E-01
1634	494511.06	3858801.99	6.97E-01	4.99E-05	2.37E-02	4.43E-03	7.25E-01	7.27E-01	5.10E-01	2.16E+00	1.51E-01	3.55E+00	7.26E-01	5.84E-05	2.37E-02	4.43E-03	7.54E-01
1635	494561.06	3858801.99	6.95E-01	4.96E-05	2.38E-02	4.41E-03	7.23E-01	7.25E-01	5.07E-01	2.17E+00	1.51E-01	3.55E+00	7.23E-01	5.81E-05	2.38E-02	4.41E-03	7.52E-01
1636	494611.06	3858801.99	6.75E-01	4.90E-05	2.38E-02	4.38E-03	7.03E-01	7.04E-01	5.01E-01	2.17E+00	1.50E-01	3.53E+00	7.03E-01	5.73E-05	2.38E-02	4.38E-03	7.31E-01
1637	494661.06	3858801.99	6.49E-01	4.76E-05	2.38E-02	4.31E-03	6.78E-01	6.78E-01	4.86E-01	2.17E+00	1.48E-01	3.48E+00	6.76E-01	5.57E-05	2.38E-02	4.31E-03	7.04E-01
1638	494711.06	3858801.99	6.17E-01	4.65E-05	2.37E-02	4.22E-03	6.45E-01	6.44E-01	4.75E-01	2.16E+00	1.44E-01	3.42E+00	6.42E-01	5.44E-05	2.37E-02	4.22E-03	6.70E-01
1639	494761.06	3858801.99	5.74E-01	4.55E-05	2.35E-02	4.17E-03	6.01E-01	5.99E-01	4.65E-01	2.15E+00	1.43E-01	3.35E+00	5.97E-01	5.32E-05	2.35E-02	4.17E-03	6.25E-01
1640	494811.06	3858801.99	5.37E-01	4.44E-05	2.33E-02	4.02E-03	5.64E-01	5.60E-01	4.53E-01	2.12E+00	1.37E-01	3.27E+00	5.59E-01	5.19E-05	2.33E-02	4.02E-03	5.87E-01
1641	494861.06	3858801.99	5.23E-01	4.39E-05	2.31E-02	3.99E-03	5.50E-01	5.46E-01	4.49E-01	2.11E+00	1.36E-01	3.24E+00	5.45E-01	5.14E-05	2.31E-02	3.99E-03	5.72E-01
1642	494911.06	3858801.99	4.93E-01	4.32E-05	2.29E-02	3.85E-03	5.20E-01	5.15E-01	4.42E-01	2.09E+00	1.32E-01	3.18E+00	5.14E-01	5.06E-05	2.29E-02	3.85E-03	5.40E-01
1643	494961.06	3858801.99	4.75E-01	4.29E-05	2.27E-02	3.80E-03	5.02E-01	4.96E-01	4.38E-01	2.07E+00	1.30E-01	3.13E+00	4.95E-01	5.01E-05	2.27E-02	3.80E-03	5.22E-01

1644	495011.06	3858801.99	4.55E-01	4.24E-05	2.24E-02	3.76E-03	4.82E-01	4.75E-01	4.34E-01	2.04E+00	1.29E-01	3.08E+00	4.74E-01	4.97E-05	2.24E-02	3.76E-03	5.00E-01
1645	495061.06	3858801.99	4.45E-01	4.22E-05	2.21E-02	3.71E-03	4.71E-01	4.64E-01	4.32E-01	2.01E+00	1.27E-01	3.04E+00	4.63E-01	4.94E-05	2.21E-02	3.71E-03	4.89E-01
1646	495111.06	3858801.99	4.19E-01	4.05E-05	2.17E-02	3.69E-03	4.44E-01	4.37E-01	4.14E-01	1.98E+00	1.26E-01	2.95E+00	4.36E-01	4.74E-05	2.17E-02	3.69E-03	4.62E-01
1647	495161.06	3858801.99	4.03E-01	4.01E-05	2.14E-02	3.68E-03	4.28E-01	4.20E-01	4.10E-01	1.95E+00	1.26E-01	2.90E+00	4.20E-01	4.70E-05	2.14E-02	3.68E-03	4.45E-01
1648	495211.06	3858801.99	3.94E-01	3.99E-05	2.08E-02	3.66E-03	4.19E-01	4.11E-01	4.07E-01	1.89E+00	1.25E-01	2.84E+00	4.10E-01	4.66E-05	2.08E-02	3.66E-03	4.35E-01
1649	495261.06	3858801.99	3.91E-01	3.97E-05	2.07E-02	3.65E-03	4.16E-01	4.08E-01	4.06E-01	1.89E+00	1.25E-01	2.83E+00	4.08E-01	4.65E-05	2.07E-02	3.65E-03	4.32E-01
1650	495311.06	3858801.99	3.93E-01	3.97E-05	2.08E-02	3.64E-03	4.17E-01	4.10E-01	4.06E-01	1.89E+00	1.24E-01	2.83E+00	4.09E-01	4.64E-05	2.08E-02	3.64E-03	4.34E-01
1651	495361.06	3858801.99	3.91E-01	3.96E-05	2.07E-02	3.63E-03	4.15E-01	4.08E-01	4.04E-01	1.89E+00	1.24E-01	2.82E+00	4.07E-01	4.63E-05	2.07E-02	3.63E-03	4.31E-01
1652	495411.06	3858801.99	3.98E-01	3.98E-05	2.06E-02	3.62E-03	4.23E-01	4.16E-01	4.06E-01	1.88E+00	1.24E-01	2.83E+00	4.15E-01	4.65E-05	2.06E-02	3.62E-03	4.39E-01
1653	495461.06	3858801.99	3.95E-01	3.96E-05	2.05E-02	3.60E-03	4.19E-01	4.12E-01	4.04E-01	1.87E+00	1.23E-01	2.81E+00	4.11E-01	4.63E-05	2.05E-02	3.60E-03	4.35E-01
1654	495511.06	3858801.99	3.88E-01	3.93E-05	2.02E-02	3.58E-03	4.11E-01	4.04E-01	4.01E-01	1.84E+00	1.22E-01	2.77E+00	4.04E-01	4.60E-05	2.02E-02	3.58E-03	4.27E-01
1655	495561.06	3858801.99	3.82E-01	3.91E-05	1.99E-02	3.47E-03	4.05E-01	3.98E-01	3.99E-01	1.81E+00	1.19E-01	2.73E+00	3.98E-01	4.57E-05	1.99E-02	3.47E-03	4.21E-01
1656	495611.06	3858801.99	3.71E-01	3.88E-05	1.97E-02	3.43E-03	3.94E-01	3.87E-01	3.97E-01	1.79E+00	1.17E-01	2.69E+00	3.86E-01	4.54E-05	1.97E-02	3.43E-03	4.09E-01
1657	495661.06	3858801.99	3.68E-01	3.88E-05	1.95E-02	3.42E-03	3.91E-01	3.84E-01	3.96E-01	1.78E+00	1.17E-01	2.68E+00	3.83E-01	4.54E-05	1.95E-02	3.42E-03	4.06E-01
1658	494311.06	3858851.99	6.76E-01	4.98E-05	2.35E-02	4.38E-03	7.04E-01	7.05E-01	5.08E-01	2.15E+00	1.50E-01	3.51E+00	7.04E-01	5.82E-05	2.35E-02	4.38E-03	7.32E-01
1659	494361.06	3858851.99	7.51E-01	5.12E-05	2.38E-02	4.52E-03	7.80E-01	7.84E-01	5.23E-01	2.17E+00	1.55E-01	3.63E+00	7.83E-01	5.99E-05	2.38E-02	4.52E-03	8.11E-01
1660	494411.06	3858851.99	7.46E-01	5.11E-05	2.37E-02	4.53E-03	7.75E-01	7.79E-01	5.22E-01	2.16E+00	1.55E-01	3.62E+00	7.77E-01	5.98E-05	2.37E-02	4.53E-03	8.06E-01
1661	494461.06	3858851.99	7.47E-01	5.13E-05	2.37E-02	4.54E-03	7.76E-01	7.80E-01	5.24E-01	2.16E+00	1.55E-01	3.62E+00	7.78E-01	6.00E-05	2.37E-02	4.54E-03	8.07E-01
1662	494511.06	3858851.99	7.49E-01	5.18E-05	2.37E-02	4.50E-03	7.77E-01	7.82E-01	5.29E-01	2.16E+00	1.54E-01	3.62E+00	7.80E-01	6.06E-05	2.37E-02	4.50E-03	8.08E-01
1663	494561.06	3858851.99	7.38E-01	5.15E-05	2.36E-02	4.45E-03	7.66E-01	7.70E-01	5.26E-01	2.15E+00	1.52E-01	3.60E+00	7.68E-01	6.02E-05	2.36E-02	4.45E-03	7.96E-01
1664	494611.06	3858851.99	7.16E-01	5.09E-05	2.35E-02	4.37E-03	7.44E-01	7.48E-01	5.20E-01	2.14E+00	1.50E-01	3.56E+00	7.46E-01	5.95E-05	2.35E-02	4.37E-03	7.74E-01
1665	494661.06	3858851.99	6.96E-01	5.01E-05	2.31E-02	4.33E-03	7.24E-01	7.26E-01	5.12E-01	2.10E+00	1.48E-01	3.49E+00	7.25E-01	5.86E-05	2.31E-02	4.33E-03	7.52E-01
1666	494711.06	3858851.99	6.59E-01	4.87E-05	2.27E-02	4.29E-03	6.86E-01	6.88E-01	4.97E-01	2.07E+00	1.47E-01	3.40E+00	6.86E-01	5.69E-05	2.27E-02	4.29E-03	7.13E-01
1667	494761.06	3858851.99	6.18E-01	4.72E-05	2.24E-02	4.20E-03	6.45E-01	6.45E-01	4.83E-01	2.04E+00	1.44E-01	3.31E+00	6.44E-01	5.53E-05	2.24E-02	4.20E-03	6.70E-01
1668	494811.06	3858851.99	5.88E-01	4.63E-05	2.22E-02	4.15E-03	6.14E-01	6.13E-01	4.73E-01	2.03E+00	1.42E-01	3.25E+00	6.12E-01	5.42E-05	2.22E-02	4.15E-03	6.38E-01
1669	494861.06	3858851.99	5.69E-01	4.57E-05	2.21E-02	4.11E-03	5.95E-01	5.93E-01	4.67E-01	2.02E+00	1.41E-01	3.22E+00	5.92E-01	5.35E-05	2.21E-02	4.11E-03	6.18E-01
1670	494911.06	3858851.99	5.40E-01	4.47E-05	2.20E-02	4.06E-03	5.67E-01	5.64E-01	4.57E-01	2.01E+00	1.39E-01	3.17E+00	5.63E-01	5.24E-05	2.20E-02	4.06E-03	5.89E-01
1671	494961.06	3858851.99	5.20E-01	4.40E-05	2.20E-02	3.98E-03	5.46E-01	5.42E-01	4.50E-01	2.00E+00	1.36E-01	3.13E+00	5.41E-01	5.15E-05	2.20E-02	3.98E-03	5.67E-01
1672	495011.06	3858851.99	5.06E-01	4.35E-05	2.19E-02	3.89E-03	5.32E-01	5.28E-01	4.44E-01	2.00E+00	1.33E-01	3.10E+00	5.27E-01	5.08E-05	2.19E-02	3.89E-03	5.53E-01
1673	495061.06	3858851.99	4.86E-01	4.28E-05	2.18E-02	3.84E-03	5.11E-01	5.07E-01	4.38E-01	1.99E+00	1.31E-01	3.07E+00	5.06E-01	5.01E-05	2.18E-02	3.84E-03	5.32E-01
1674	495111.06	3858851.99	4.49E-01	4.18E-05	2.16E-02	3.72E-03	4.74E-01	4.68E-01	4.27E-01	1.97E+00	1.27E-01	2.99E+00	4.67E-01	4.89E-05	2.16E-02	3.72E-03	4.93E-01
1675	495161.06	3858851.99	4.30E-01	4.06E-05	2.16E-02	3.70E-03	4.56E-01	4.49E-01	4.15E-01	1.97E+00	1.27E-01	2.96E+00	4.48E-01	4.75E-05	2.16E-02	3.70E-03	4.74E-01
1676	495211.06	3858851.99	4.35E-01	4.07E-05	2.17E-02	3.70E-03	4.60E-01	4.54E-01	4.16E-01	1.98E+00	1.27E-01	2.97E+00	4.53E-01	4.77E-05	2.17E-02	3.70E-03	4.78E-01
1677	495261.06	3858851.99	4.33E-01	4.07E-05	2.17E-02	3.69E-03	4.58E-01	4.52E-01	4.16E-01	1.98E+00	1.26E-01	2.97E+00	4.51E-01	4.76E-05	2.17E-02	3.69E-03	4.76E-01
1678	495311.06	3858851.99	4.34E-01	4.08E-05	2.16E-02	3.69E-03	4.59E-01	4.53E-01	4.16E-01	1.97E+00	1.26E-01	2.97E+00	4.52E-01	4.77E-05	2.16E-02	3.69E-03	4.77E-01
1679	495361.06	3858851.99	4.34E-01	4.07E-05	2.14E-02	3.69E-03	4.59E-01	4.53E-01	4.16E-01	1.96E+00	1.26E-01	2.95E+00	4.52E-01	4.76E-05	2.14E-02	3.69E-03	4.77E-01
1680	495411.06	3858851.99	4.35E-01	4.07E-05	2.13E-02	3.68E-03	4.60E-01	4.54E-01	4.15E-01	1.94E+00	1.26E-01	2.93E+00	4.53E-01	4.76E-05	2.13E-02	3.68E-03	4.78E-01
1681	495461.06	3858851.99	4.36E-01	4.05E-05	2.11E-02	3.68E-03	4.61E-01	4.55E-01	4.14E-01	1.92E+00	1.26E-01	2.92E+00	4.54E-01	4.74E-05	2.11E-02	3.68E-03	4.79E-01
1682	495511.06	3858851.99	4.30E-01	4.04E-05	2.09E-02	3.66E-03	4.54E-01	4.48E-01	4.13E-01	1.91E+00	1.25E-01	2.90E+00	4.48E-01	4.73E-05	2.09E-02	3.66E-03	4.72E-01
1683	495561.06	3858851.99	4.16E-01	3.99E-05	2.06E-02	3.61E-03	4.40E-01	4.34E-01	4.07E-01	1.88E+00	1.23E-01	2.85E+00	4.33E-01	4.66E-05	2.06E-02	3.61E-03	4.58E-01
1684	495611.06	3858851.99	4.05E-01	3.95E-05	2.04E-02	3.54E-03	4.29E-01	4.23E-01	4.04E-01	1.86E+00	1.21E-01	2.81E+00	4.22E-01	4.62E-05	2.04E-02	3.54E-03	4.46E-01
1685	495661.06	3858851.99	4.06E-01	3.95E-05	2.03E-02	3.52E-03	4.30E-01	4.23E-01	4.04E-01	1.85E+00	1.20E-01	2.80E+00	4.23E-01	4.63E-05	2.03E-02	3.52E-03	4.46E-01
1686	494311.06	3858901.99	7.61E-01	5.20E-05	2.28E-02	4.55E-03	7.89E-01	7.94E-01	5.32E-01	2.08E+00	1.56E-01	3.56E+00	7.93E-01	6.09E-05	2.28E-02	4.55E-03	8.20E-01
1687	494361.06	3858901.99	8.19E-01	5.39E-05	2.29E-02	4.63E-03	8.47E-01	8.55E-01	5.51E-01	2.09E+00	1.58E-01	3.66E+00	8.53E-01	6.31E-05	2.29E-02	4.63E-03	8.81E-01
1688	494411.06	3858901.99	8.24E-01	5.41E-05	2.29E-02	4.63E-03	8.51E-01	8.59E-01	5.53E-01	2.09E+00	1.58E-01	3.66E+00	8.58E-01	6.34E-05	2.29E-02	4.63E-03	8.85E-01
1689	494461.06	3858901.99	8.31E-01	5.50E-05	2.28E-02	4.56E-03	8.59E-01	8.67E-01	5.61E-01	2.08E+00	1.56E-01	3.67E+00	8.66E-01	6.43E-05	2.28E-02	4.56E-03	8.93E-01
1690	494511.06	3858901.99	8.27E-01	5.50E-05	2.28E-02	4.54E-03	8.54E-01	8.63E-01	5.62E-01	2.08E+00	1.55E-01	3.66E+00	8.61E-01	6.44E-05	2.28E-02	4.54E-03	8.88E-01
1691	494561.06	3858901.99	8.04E-01	5.41E-05	2.27E-02	4.47E-03	8.31E-01	8.39E-01	5.53E-01	2.07E+00	1.53E-01	3.61E+00	8.37E-01	6.33E-05	2.27E-02	4.47E-03	8.64E-01
1692	494611.06	3858901.99	7.62E-01	5.24E-05	2.26E-02	4.36E-03	7.89E-01	7.95E-01	5.36E-01	2.06E+00	1.49E-01	3.54E+00	7.94E-01	6.13E-05	2.26E-02	4.36E-03	8.21E-01
1693	494661.06	3858901.99	7.43E-01	5.18E-05	2.26E-02	4.32E-03	7.70E-01	7.75E-01	5.29E-01	2.06E+00	1.48E-01	3.51E+00	7.74E-01	6.06E-05	2.26E-02	4.32E-03	8.01E-01
1694	494711.06	3858901.99	7.04E-01	5.05E-05	2.26E-02	4.29E-03	7.31E-01	7.34E-01	5.16E-01	2.06E+00	1.47E-01	3.45E+00	7.33E-01	5.91E-05	2.26E-02	4.29E-03	7.60E-01
1695	494761.06	3858901.99	6.60E-01	4.91E-05	2.25E-02	4.23E-03	6.87E-01	6.88E-01	5.01E-01	2.05E+00	1.45E-01	3.39E+00	6.87E-01	5.74E-05	2.25E-02	4.23E-03	7.14E-01
1696	494811.06	3858901.99	6.40E-01	4.83E-05	2.25E-02	4.20E-03	6.67E-01	6.68E-01	4.93E-01	2.05E+00	1.44E-01	3.35E+00	6.66E-01	5.65E-05	2.25E-02	4.20E-03	6.93E-01
1697	494861.06	3858901.99	6.21E-01	4.76E-05	2.21E-02	4.16E-03	6.48E-01	6.48E-01	4.86E-01	2.02E+00	1.42E-01	3.30E+00	6.47E-01	5.56E-05	2.21E-02	4.16E-03	6.73E-01
1698	494911.06	3858901.99	5.80E-01	4.59E-05	2.18E-02	4.07E-03	6.06E-01	6.06E-01	4.69E-01	1.99E+00	1.39E-01	3.21E+00	6.04E-01	5.37E-05	2.18E-02	4.07E-03	6.30E-01
1699	494961.06	3858901.99	5.62E-01	4.50E-05	2.17E-02	4.03E-03	5.88E-01	5.86E-01	4.60E-01	1.98E+00	1.38E-01	3.16E+00	5.85E-01	5.27E-05	2.17E-02	4.03E-03	6.11E-01
1700	495011.06	3858901.99	5.45E-01	4.43E-05	2.17E-02	4.00E-03	5.71E-01	5.69E-01	4.52E-01	1.98E+00	1.37E-01	3.13E+00	5.67E-01	5.18E-05	2.17E-02	4.00E-03	5.93E-01
1701	495061.06	3858901.99	5.15E-01	4.33E-05	2.15E-02	3.91E-03	5.40E-01	5.37E-01	4.43E-01	1.97E+00	1.34E-01	3.08E+00	5.36E-01	5.07E-05	2.15E-02	3.91E-03	5.61E-01
1702	495111.06	3858901.99	4.75E-01	4.22E-05	2.12E-02	3.78E-03	5.00E-01	4.96E-01	4.32E-01	1.94E+00	1.29E-01	2.99E+00	4.95E-01	4.94E-05	2.12E-02	3.78E-03	5.20E-01
1703	495161.06	3858901.99	4.64E-01	4.19E-05	2.12E-02	3.76E-03	4.89E-01	4.84E-01	4.28E-01	1.93E+00	1.29E-01	2.97E+00	4.83E-01	4.90E-05	2.12E-02	3.76E-03	5.08E-01
1704	495211.06	3858901.99	4.78E-01	4.20E-05	2.12E-02	3.79E-03	5.03E-01	4.98E-01	4.29E-01	1.94E+00	1.30E-01	2.99E+00	4.97E-01	4.91E-05	2.12E-02	3.79E-03	5.23E-01

1705	495261.06	3858901.99	4.80E-01	4.19E-05	2.12E-02	3.79E-03	5.05E-01	5.01E-01	4.28E-01	1.93E+00	1.30E-01	2.99E+00	5.00E-01	4.90E-05	2.12E-02	3.79E-03	5.25E-01
1706	495311.06	3858901.99	4.78E-01	4.17E-05	2.11E-02	3.79E-03	5.03E-01	4.98E-01	4.26E-01	1.92E+00	1.30E-01	2.98E+00	4.98E-01	4.87E-05	2.11E-02	3.79E-03	5.22E-01
1707	495361.06	3858901.99	4.77E-01	4.15E-05	2.11E-02	3.79E-03	5.02E-01	4.98E-01	4.24E-01	1.92E+00	1.30E-01	2.97E+00	4.97E-01	4.86E-05	2.11E-02	3.79E-03	5.22E-01
1708	495411.06	3858901.99	4.81E-01	4.15E-05	2.11E-02	3.78E-03	5.06E-01	5.02E-01	4.24E-01	1.92E+00	1.29E-01	2.98E+00	5.01E-01	4.86E-05	2.11E-02	3.78E-03	5.26E-01
1709	495461.06	3858901.99	4.76E-01	4.13E-05	2.11E-02	3.76E-03	5.01E-01	4.97E-01	4.22E-01	1.92E+00	1.28E-01	2.97E+00	4.96E-01	4.84E-05	2.11E-02	3.76E-03	5.21E-01
1710	495511.06	3858901.99	4.66E-01	4.10E-05	2.10E-02	3.73E-03	4.90E-01	4.86E-01	4.19E-01	1.91E+00	1.28E-01	2.94E+00	4.85E-01	4.80E-05	2.10E-02	3.73E-03	5.10E-01
1711	495561.06	3858901.99	4.58E-01	4.08E-05	2.09E-02	3.71E-03	4.83E-01	4.78E-01	4.17E-01	1.90E+00	1.27E-01	2.92E+00	4.77E-01	4.78E-05	2.09E-02	3.71E-03	5.02E-01
1712	495611.06	3858901.99	4.45E-01	4.05E-05	2.07E-02	3.68E-03	4.70E-01	4.65E-01	4.13E-01	1.89E+00	1.26E-01	2.89E+00	4.64E-01	4.74E-05	2.07E-02	3.68E-03	4.88E-01
1713	495661.06	3858901.99	4.46E-01	4.04E-05	2.07E-02	3.65E-03	4.71E-01	4.66E-01	4.13E-01	1.89E+00	1.25E-01	2.89E+00	4.65E-01	4.73E-05	2.07E-02	3.65E-03	4.89E-01
1714	494311.06	3858951.99	8.58E-01	5.65E-05	2.21E-02	4.84E-03	8.85E-01	8.95E-01	5.77E-01	2.01E+00	1.66E-01	3.65E+00	8.93E-01	6.61E-05	2.21E-02	4.84E-03	9.20E-01
1715	494361.06	3858951.99	8.88E-01	5.77E-05	2.22E-02	4.90E-03	9.16E-01	9.27E-01	5.90E-01	2.02E+00	1.68E-01	3.71E+00	9.25E-01	6.75E-05	2.22E-02	4.90E-03	9.52E-01
1716	494411.06	3858951.99	8.83E-01	5.71E-05	2.21E-02	4.87E-03	9.10E-01	9.21E-01	5.84E-01	2.02E+00	1.67E-01	3.69E+00	9.19E-01	6.68E-05	2.21E-02	4.87E-03	9.46E-01
1717	494461.06	3858951.99	8.92E-01	5.84E-05	2.23E-02	4.76E-03	9.19E-01	9.31E-01	5.96E-01	2.03E+00	1.63E-01	3.72E+00	9.29E-01	6.83E-05	2.23E-02	4.76E-03	9.56E-01
1718	494511.06	3858951.99	8.85E-01	5.80E-05	2.24E-02	4.73E-03	9.13E-01	9.24E-01	5.93E-01	2.04E+00	1.62E-01	3.72E+00	9.22E-01	6.79E-05	2.24E-02	4.73E-03	9.49E-01
1719	494561.06	3858951.99	8.64E-01	5.71E-05	2.24E-02	4.65E-03	8.91E-01	9.02E-01	5.83E-01	2.05E+00	1.59E-01	3.69E+00	9.00E-01	6.67E-05	2.24E-02	4.65E-03	9.27E-01
1720	494611.06	3858951.99	8.32E-01	5.53E-05	2.22E-02	4.50E-03	8.59E-01	8.68E-01	5.65E-01	2.02E+00	1.54E-01	3.61E+00	8.66E-01	6.47E-05	2.22E-02	4.50E-03	8.93E-01
1721	494661.06	3858951.99	8.01E-01	5.40E-05	2.20E-02	4.40E-03	8.27E-01	8.36E-01	5.52E-01	2.00E+00	1.50E-01	3.54E+00	8.34E-01	6.32E-05	2.20E-02	4.40E-03	8.60E-01
1722	494711.06	3858951.99	7.51E-01	5.25E-05	2.19E-02	4.24E-03	7.77E-01	7.84E-01	5.37E-01	2.00E+00	1.45E-01	3.46E+00	7.82E-01	6.14E-05	2.19E-02	4.24E-03	8.08E-01
1723	494761.06	3858951.99	7.16E-01	5.15E-05	2.18E-02	4.20E-03	7.42E-01	7.47E-01	5.26E-01	1.99E+00	1.44E-01	3.41E+00	7.45E-01	6.03E-05	2.18E-02	4.20E-03	7.71E-01
1724	494811.06	3858951.99	6.92E-01	5.08E-05	2.17E-02	4.17E-03	7.18E-01	7.22E-01	5.19E-01	1.98E+00	1.43E-01	3.37E+00	7.21E-01	5.94E-05	2.17E-02	4.17E-03	7.46E-01
1725	494861.06	3858951.99	6.70E-01	5.01E-05	2.16E-02	4.16E-03	6.96E-01	7.00E-01	5.11E-01	1.97E+00	1.42E-01	3.33E+00	6.98E-01	5.86E-05	2.16E-02	4.16E-03	7.24E-01
1726	494911.06	3858951.99	6.42E-01	4.88E-05	2.16E-02	4.14E-03	6.67E-01	6.70E-01	4.98E-01	1.97E+00	1.42E-01	3.28E+00	6.68E-01	5.70E-05	2.16E-02	4.14E-03	6.94E-01
1727	494961.06	3858951.99	6.30E-01	4.80E-05	2.15E-02	4.11E-03	6.56E-01	6.57E-01	4.90E-01	1.96E+00	1.41E-01	3.25E+00	6.56E-01	5.61E-05	2.15E-02	4.11E-03	6.82E-01
1728	495011.06	3858951.99	5.76E-01	4.56E-05	2.12E-02	3.99E-03	6.01E-01	6.01E-01	4.66E-01	1.93E+00	1.36E-01	3.14E+00	6.00E-01	5.34E-05	2.12E-02	3.99E-03	6.25E-01
1729	495061.06	3858951.99	5.30E-01	4.41E-05	2.09E-02	3.93E-03	5.55E-01	5.53E-01	4.51E-01	1.90E+00	1.34E-01	3.04E+00	5.52E-01	5.16E-05	2.09E-02	3.93E-03	5.77E-01
1730	495111.06	3858951.99	5.02E-01	4.30E-05	2.06E-02	3.87E-03	5.26E-01	5.23E-01	4.39E-01	1.88E+00	1.32E-01	2.98E+00	5.22E-01	5.03E-05	2.06E-02	3.87E-03	5.47E-01
1731	495161.06	3858951.99	5.22E-01	4.34E-05	2.07E-02	3.88E-03	5.47E-01	5.45E-01	4.43E-01	1.89E+00	1.33E-01	3.01E+00	5.44E-01	5.08E-05	2.07E-02	3.88E-03	5.68E-01
1732	495211.06	3858951.99	5.22E-01	4.33E-05	2.07E-02	3.88E-03	5.47E-01	5.45E-01	4.43E-01	1.89E+00	1.33E-01	3.01E+00	5.44E-01	5.07E-05	2.07E-02	3.88E-03	5.68E-01
1733	495261.06	3858951.99	5.23E-01	4.32E-05	2.07E-02	3.87E-03	5.48E-01	5.46E-01	4.42E-01	1.89E+00	1.32E-01	3.01E+00	5.45E-01	5.06E-05	2.07E-02	3.87E-03	5.69E-01
1734	495311.06	3858951.99	5.11E-01	4.27E-05	2.06E-02	3.83E-03	5.36E-01	5.34E-01	4.36E-01	1.88E+00	1.31E-01	2.98E+00	5.33E-01	5.00E-05	2.06E-02	3.83E-03	5.57E-01
1735	495361.06	3858951.99	5.15E-01	4.28E-05	2.07E-02	3.82E-03	5.40E-01	5.38E-01	4.37E-01	1.88E+00	1.31E-01	2.99E+00	5.37E-01	5.00E-05	2.07E-02	3.82E-03	5.61E-01
1736	495411.06	3858951.99	5.25E-01	4.28E-05	2.08E-02	3.81E-03	5.49E-01	5.48E-01	4.38E-01	1.89E+00	1.30E-01	3.01E+00	5.47E-01	5.01E-05	2.08E-02	3.81E-03	5.71E-01
1737	495461.06	3858951.99	5.19E-01	4.26E-05	2.08E-02	3.80E-03	5.44E-01	5.42E-01	4.36E-01	1.89E+00	1.30E-01	3.00E+00	5.41E-01	4.99E-05	2.08E-02	3.80E-03	5.65E-01
1738	495511.06	3858951.99	5.18E-01	4.27E-05	2.07E-02	3.79E-03	5.43E-01	5.40E-01	4.36E-01	1.89E+00	1.30E-01	2.99E+00	5.39E-01	4.99E-05	2.07E-02	3.79E-03	5.64E-01
1739	495561.06	3858951.99	4.98E-01	4.18E-05	2.05E-02	3.71E-03	5.22E-01	5.19E-01	4.27E-01	1.87E+00	1.27E-01	2.94E+00	5.18E-01	4.89E-05	2.05E-02	3.71E-03	5.43E-01
1740	495611.06	3858951.99	4.88E-01	4.14E-05	2.04E-02	3.68E-03	5.12E-01	5.09E-01	4.23E-01	1.86E+00	1.26E-01	2.92E+00	5.08E-01	4.84E-05	2.04E-02	3.68E-03	5.33E-01
1741	495661.06	3858951.99	4.90E-01	4.13E-05	2.03E-02	3.65E-03	5.14E-01	5.11E-01	4.22E-01	1.85E+00	1.25E-01	2.91E+00	5.10E-01	4.84E-05	2.03E-02	3.65E-03	5.34E-01
1742	494311.06	3859001.99	9.56E-01	6.19E-05	2.15E-02	4.96E-03	9.82E-01	9.97E-01	6.33E-01	1.96E+00	1.70E-01	3.76E+00	9.95E-01	7.25E-05	2.15E-02	4.96E-03	1.02E+00
1743	494361.06	3859001.99	9.50E-01	6.20E-05	2.14E-02	4.95E-03	9.77E-01	9.91E-01	6.33E-01	1.96E+00	1.69E-01	3.75E+00	9.89E-01	7.25E-05	2.14E-02	4.95E-03	1.02E+00
1744	494411.06	3859001.99	9.36E-01	6.25E-05	2.16E-02	4.94E-03	9.63E-01	9.77E-01	6.39E-01	1.97E+00	1.69E-01	3.75E+00	9.75E-01	7.32E-05	2.16E-02	4.94E-03	1.00E+00
1745	494461.06	3859001.99	9.30E-01	6.22E-05	2.17E-02	4.95E-03	9.57E-01	9.71E-01	6.36E-01	1.98E+00	1.69E-01	3.76E+00	9.69E-01	7.28E-05	2.17E-02	4.95E-03	9.95E-01
1746	494511.06	3859001.99	9.32E-01	6.20E-05	2.18E-02	4.95E-03	9.59E-01	9.73E-01	6.33E-01	1.99E+00	1.69E-01	3.76E+00	9.71E-01	7.25E-05	2.18E-02	4.95E-03	9.98E-01
1747	494561.06	3859001.99	9.07E-01	6.01E-05	2.16E-02	4.80E-03	9.33E-01	9.46E-01	6.14E-01	1.97E+00	1.64E-01	3.69E+00	9.44E-01	7.03E-05	2.16E-02	4.80E-03	9.71E-01
1748	494611.06	3859001.99	8.82E-01	5.87E-05	2.13E-02	4.63E-03	9.08E-01	9.20E-01	5.99E-01	1.94E+00	1.58E-01	3.62E+00	9.19E-01	6.86E-05	2.13E-02	4.63E-03	9.45E-01
1749	494661.06	3859001.99	8.47E-01	5.68E-05	2.12E-02	4.57E-03	8.73E-01	8.84E-01	5.81E-01	1.93E+00	1.56E-01	3.55E+00	8.82E-01	6.65E-05	2.12E-02	4.57E-03	9.08E-01
1750	494711.06	3859001.99	8.02E-01	5.45E-05	2.11E-02	4.39E-03	8.28E-01	8.37E-01	5.57E-01	1.93E+00	1.50E-01	3.47E+00	8.36E-01	6.38E-05	2.11E-02	4.39E-03	8.61E-01
1751	494761.06	3859001.99	7.79E-01	5.35E-05	2.11E-02	4.30E-03	8.04E-01	8.13E-01	5.47E-01	1.93E+00	1.47E-01	3.43E+00	8.11E-01	6.26E-05	2.11E-02	4.30E-03	8.37E-01
1752	494811.06	3859001.99	7.67E-01	5.29E-05	2.12E-02	4.23E-03	7.93E-01	8.00E-01	5.41E-01	1.93E+00	1.45E-01	3.42E+00	7.99E-01	6.19E-05	2.12E-02	4.23E-03	8.24E-01
1753	494861.06	3859001.99	7.32E-01	5.21E-05	2.11E-02	4.13E-03	7.58E-01	7.64E-01	5.32E-01	1.92E+00	1.41E-01	3.36E+00	7.63E-01	6.09E-05	2.11E-02	4.13E-03	7.88E-01
1754	494911.06	3859001.99	6.98E-01	5.12E-05	2.08E-02	4.12E-03	7.23E-01	7.28E-01	5.23E-01	1.90E+00	1.41E-01	3.29E+00	7.27E-01	5.99E-05	2.08E-02	4.12E-03	7.52E-01
1755	494961.06	3859001.99	6.66E-01	5.01E-05	2.06E-02	4.11E-03	6.91E-01	6.95E-01	5.12E-01	1.88E+00	1.41E-01	3.23E+00	6.93E-01	5.86E-05	2.06E-02	4.11E-03	7.18E-01
1756	495011.06	3859001.99	5.84E-01	4.62E-05	2.04E-02	3.98E-03	6.08E-01	6.09E-01	4.72E-01	1.86E+00	1.36E-01	3.08E+00	6.08E-01	5.41E-05	2.04E-02	3.98E-03	6.32E-01
1757	495061.06	3859001.99	5.71E-01	4.56E-05	2.04E-02	3.92E-03	5.95E-01	5.95E-01	4.65E-01	1.86E+00	1.34E-01	3.06E+00	5.94E-01	5.33E-05	2.04E-02	3.92E-03	6.19E-01
1758	495111.06	3859001.99	5.38E-01	4.43E-05	2.04E-02	3.81E-03	5.63E-01	5.62E-01	4.53E-01	1.86E+00	1.30E-01	3.00E+00	5.61E-01	5.19E-05	2.04E-02	3.81E-03	5.85E-01
1759	495161.06	3859001.99	5.68E-01	4.55E-05	2.06E-02	3.90E-03	5.92E-01	5.92E-01	4.65E-01	1.88E+00	1.33E-01	3.07E+00	5.91E-01	5.32E-05	2.06E-02	3.90E-03	6.16E-01
1760	495211.06	3859001.99	5.67E-01	4.52E-05	2.06E-02	3.90E-03	5.91E-01	5.91E-01	4.62E-01	1.88E+00	1.34E-01	3.07E+00	5.90E-01	5.29E-05	2.06E-02	3.90E-03	6.15E-01
1761	495261.06	3859001.99	5.72E-01	4.53E-05	2.06E-02	3.92E-03	5.97E-01	5.97E-01	4.63E-01	1.88E+00	1.34E-01	3.07E+00	5.96E-01	5.30E-05	2.06E-02	3.92E-03	6.21E-01
1762	495311.06	3859001.99	5.66E-01	4.48E-05	2.04E-02	3.91E-03	5.90E-01	5.90E-01	4.58E-01	1.86E+00	1.34E-01	3.04E+00	5.89E-01	5.24E-05	2.04E-02	3.91E-03	6.13E-01
1763	495361.06	3859001.99	5.64E-01	4.48E-05	2.03E-02	3.91E-03	5.88E-01	5.88E-01	4.57E-01	1.85E+00	1.34E-01	3.03E+00	5.87E-01	5.24E-05	2.03E-02	3.91E-03	6.11E-01
1764	495411.06	3859001.99	5.64E-01	4.45E-05	2.02E-02	3.90E-03	5.88E-01	5.89E-01	4.54E-01	1.84E+00	1.33E-01	3.02E+00	5.88E-01	5.20E-05	2.02E-02	3.90E-03	6.12E-01
1765	495461.06	3859001.99	5.67E-01	4.44E-05	2.01E-02	3.89E-03	5.91E-01	5.91E-01	4.54E-01	1.84E+00	1.33E-01	3.01E+00	5.90E-01	5.20E-05	2.01E-02	3.89E-03	6.14E-01

1766	495511.06	3859001.99	5.52E-01	4.37E-05	1.99E-02	3.85E-03	5.76E-01	5.76E-01	4.47E-01	1.82E+00	1.32E-01	2.97E+00	5.75E-01	5.11E-05	1.99E-02	3.85E-03	5.99E-01
1767	495561.06	3859001.99	5.47E-01	4.33E-05	1.98E-02	3.82E-03	5.70E-01	5.70E-01	4.43E-01	1.81E+00	1.31E-01	2.95E+00	5.69E-01	5.07E-05	1.98E-02	3.82E-03	5.93E-01
1768	495611.06	3859001.99	5.34E-01	4.30E-05	1.97E-02	3.79E-03	5.58E-01	5.57E-01	4.39E-01	1.80E+00	1.30E-01	2.92E+00	5.56E-01	5.03E-05	1.97E-02	3.79E-03	5.80E-01
1769	495661.06	3859001.99	5.39E-01	4.32E-05	1.98E-02	3.81E-03	5.62E-01	5.62E-01	4.41E-01	1.81E+00	1.30E-01	2.94E+00	5.61E-01	5.05E-05	1.98E-02	3.81E-03	5.85E-01
1770	494311.06	3859051.99	1.03E+00	6.83E-05	2.29E-02	5.08E-03	1.06E+00	1.07E+00	6.98E-01	2.09E+00	1.74E-01	4.03E+00	1.07E+00	7.99E-05	2.29E-02	5.08E-03	1.10E+00
1771	494361.06	3859051.99	1.03E+00	6.98E-05	2.17E-02	5.01E-03	1.06E+00	1.08E+00	7.13E-01	1.98E+00	1.71E-01	3.94E+00	1.07E+00	8.16E-05	2.17E-02	5.01E-03	1.10E+00
1772	494411.06	3859051.99	1.01E+00	6.89E-05	2.15E-02	4.99E-03	1.04E+00	1.05E+00	7.04E-01	1.96E+00	1.71E-01	3.89E+00	1.05E+00	8.07E-05	2.15E-02	4.99E-03	1.08E+00
1773	494461.06	3859051.99	9.91E-01	6.75E-05	2.10E-02	4.96E-03	1.02E+00	1.03E+00	6.90E-01	1.92E+00	1.70E-01	3.81E+00	1.03E+00	7.90E-05	2.10E-02	4.96E-03	1.06E+00
1774	494511.06	3859051.99	9.61E-01	6.53E-05	2.05E-02	4.93E-03	9.87E-01	1.00E+00	6.67E-01	1.87E+00	1.69E-01	3.71E+00	1.00E+00	7.64E-05	2.05E-02	4.93E-03	1.03E+00
1775	494561.06	3859051.99	9.34E-01	6.34E-05	2.03E-02	4.90E-03	9.59E-01	9.74E-01	6.47E-01	1.85E+00	1.68E-01	3.64E+00	9.72E-01	7.41E-05	2.03E-02	4.90E-03	9.98E-01
1776	494611.06	3859051.99	9.04E-01	6.08E-05	2.02E-02	4.76E-03	9.29E-01	9.43E-01	6.21E-01	1.84E+00	1.63E-01	3.57E+00	9.42E-01	7.11E-05	2.02E-02	4.76E-03	9.67E-01
1777	494661.06	3859051.99	8.81E-01	5.86E-05	2.02E-02	4.64E-03	9.06E-01	9.20E-01	5.99E-01	1.84E+00	1.59E-01	3.52E+00	9.18E-01	6.86E-05	2.02E-02	4.64E-03	9.43E-01
1778	494711.06	3859051.99	8.58E-01	5.75E-05	2.02E-02	4.56E-03	8.83E-01	8.95E-01	5.88E-01	1.85E+00	1.56E-01	3.48E+00	8.93E-01	6.73E-05	2.02E-02	4.56E-03	9.18E-01
1779	494761.06	3859051.99	8.34E-01	5.60E-05	2.03E-02	4.50E-03	8.59E-01	8.70E-01	5.72E-01	1.85E+00	1.54E-01	3.44E+00	8.68E-01	6.55E-05	2.03E-02	4.50E-03	8.93E-01
1780	494811.06	3859051.99	8.12E-01	5.52E-05	2.03E-02	4.44E-03	8.36E-01	8.47E-01	5.64E-01	1.85E+00	1.52E-01	3.42E+00	8.45E-01	6.46E-05	2.03E-02	4.44E-03	8.70E-01
1781	494861.06	3859051.99	7.90E-01	5.38E-05	2.01E-02	4.36E-03	8.15E-01	8.24E-01	5.50E-01	1.83E+00	1.49E-01	3.36E+00	8.23E-01	6.30E-05	2.01E-02	4.36E-03	8.47E-01
1782	494911.06	3859051.99	7.56E-01	5.25E-05	1.99E-02	4.19E-03	7.80E-01	7.89E-01	5.37E-01	1.82E+00	1.43E-01	3.28E+00	7.87E-01	6.14E-05	1.99E-02	4.19E-03	8.11E-01
1783	494961.06	3859051.99	7.01E-01	5.01E-05	1.97E-02	4.08E-03	7.25E-01	7.31E-01	5.12E-01	1.80E+00	1.40E-01	3.18E+00	7.30E-01	5.86E-05	1.97E-02	4.08E-03	7.54E-01
1784	495011.06	3859051.99	6.52E-01	4.85E-05	1.97E-02	4.06E-03	6.76E-01	6.81E-01	4.95E-01	1.79E+00	1.39E-01	3.11E+00	6.79E-01	5.67E-05	1.97E-02	4.06E-03	7.03E-01
1785	495061.06	3859051.99	6.23E-01	4.75E-05	1.97E-02	4.05E-03	6.47E-01	6.50E-01	4.86E-01	1.80E+00	1.38E-01	3.07E+00	6.49E-01	5.56E-05	1.97E-02	4.05E-03	6.73E-01
1786	495111.06	3859051.99	6.10E-01	4.70E-05	1.97E-02	4.03E-03	6.34E-01	6.37E-01	4.81E-01	1.80E+00	1.38E-01	3.05E+00	6.35E-01	5.50E-05	1.97E-02	4.03E-03	6.59E-01
1787	495161.06	3859051.99	6.27E-01	4.77E-05	1.97E-02	4.04E-03	6.51E-01	6.54E-01	4.88E-01	1.80E+00	1.38E-01	3.08E+00	6.53E-01	5.58E-05	1.97E-02	4.04E-03	6.76E-01
1788	495211.06	3859051.99	6.15E-01	4.72E-05	1.96E-02	4.02E-03	6.38E-01	6.41E-01	4.82E-01	1.79E+00	1.37E-01	3.05E+00	6.40E-01	5.52E-05	1.96E-02	4.02E-03	6.64E-01
1789	495261.06	3859051.99	6.23E-01	4.75E-05	1.96E-02	4.01E-03	6.47E-01	6.50E-01	4.85E-01	1.79E+00	1.37E-01	3.06E+00	6.49E-01	5.56E-05	1.96E-02	4.01E-03	6.72E-01
1790	495311.06	3859051.99	6.13E-01	4.72E-05	1.97E-02	3.98E-03	6.37E-01	6.40E-01	4.82E-01	1.79E+00	1.36E-01	3.05E+00	6.38E-01	5.52E-05	1.97E-02	3.98E-03	6.62E-01
1791	495361.06	3859051.99	6.13E-01	4.71E-05	1.97E-02	3.98E-03	6.37E-01	6.40E-01	4.82E-01	1.80E+00	1.36E-01	3.06E+00	6.39E-01	5.51E-05	1.97E-02	3.98E-03	6.62E-01
1792	495411.06	3859051.99	6.17E-01	4.73E-05	1.98E-02	3.99E-03	6.41E-01	6.44E-01	4.83E-01	1.81E+00	1.36E-01	3.07E+00	6.42E-01	5.53E-05	1.98E-02	3.99E-03	6.66E-01
1793	495461.06	3859051.99	6.18E-01	4.74E-05	1.99E-02	4.00E-03	6.41E-01	6.44E-01	4.84E-01	1.81E+00	1.37E-01	3.08E+00	6.43E-01	5.54E-05	1.99E-02	4.00E-03	6.67E-01
1794	495511.06	3859051.99	6.00E-01	4.67E-05	1.99E-02	3.98E-03	6.24E-01	6.26E-01	4.77E-01	1.81E+00	1.36E-01	3.05E+00	6.25E-01	5.46E-05	1.99E-02	3.98E-03	6.49E-01
1795	495561.06	3859051.99	5.88E-01	4.61E-05	1.99E-02	3.93E-03	6.12E-01	6.13E-01	4.71E-01	1.81E+00	1.35E-01	3.03E+00	6.12E-01	5.39E-05	1.99E-02	3.93E-03	6.36E-01
1796	495611.06	3859051.99	5.79E-01	4.56E-05	1.99E-02	3.87E-03	6.03E-01	6.04E-01	4.66E-01	1.81E+00	1.32E-01	3.01E+00	6.03E-01	5.34E-05	1.99E-02	3.87E-03	6.27E-01
1797	495661.06	3859051.99	5.92E-01	4.61E-05	1.98E-02	3.90E-03	6.16E-01	6.17E-01	4.71E-01	1.81E+00	1.33E-01	3.03E+00	6.16E-01	5.39E-05	1.98E-02	3.90E-03	6.40E-01
1798	494311.06	3859101.99	1.07E+00	7.66E-05	2.33E-02	5.17E-03	1.10E+00	1.11E+00	7.83E-01	2.12E+00	1.77E-01	4.20E+00	1.11E+00	8.96E-05	2.33E-02	5.17E-03	1.14E+00
1799	494361.06	3859101.99	1.06E+00	7.55E-05	2.28E-02	5.13E-03	1.09E+00	1.11E+00	7.71E-01	2.08E+00	1.76E-01	4.13E+00	1.10E+00	8.83E-05	2.28E-02	5.13E-03	1.13E+00
1800	494411.06	3859101.99	1.06E+00	7.49E-05	2.22E-02	5.11E-03	1.09E+00	1.11E+00	7.65E-01	2.03E+00	1.75E-01	4.07E+00	1.11E+00	8.76E-05	2.22E-02	5.11E-03	1.13E+00
1801	494461.06	3859101.99	1.05E+00	7.33E-05	2.17E-02	5.07E-03	1.08E+00	1.10E+00	7.49E-01	1.98E+00	1.74E-01	4.00E+00	1.10E+00	8.58E-05	2.17E-02	5.07E-03	1.12E+00
1802	494511.06	3859101.99	1.02E+00	7.09E-05	2.12E-02	5.04E-03	1.05E+00	1.07E+00	7.24E-01	1.93E+00	1.72E-01	3.90E+00	1.07E+00	8.29E-05	2.12E-02	5.04E-03	1.09E+00
1803	494561.06	3859101.99	9.99E-01	6.89E-05	2.09E-02	5.04E-03	1.02E+00	1.04E+00	7.04E-01	1.90E+00	1.72E-01	3.82E+00	1.04E+00	8.06E-05	2.09E-02	5.04E-03	1.07E+00
1804	494611.06	3859101.99	9.60E-01	6.55E-05	2.07E-02	4.97E-03	9.86E-01	1.00E+00	6.70E-01	1.89E+00	1.70E-01	3.73E+00	1.00E+00	7.67E-05	2.07E-02	4.97E-03	1.03E+00
1805	494661.06	3859101.99	9.30E-01	6.36E-05	2.05E-02	4.88E-03	9.55E-01	9.70E-01	6.49E-01	1.87E+00	1.67E-01	3.65E+00	9.68E-01	7.44E-05	2.05E-02	4.88E-03	9.94E-01
1806	494711.06	3859101.99	8.84E-01	5.98E-05	1.97E-02	4.69E-03	9.08E-01	9.22E-01	6.11E-01	1.80E+00	1.60E-01	3.49E+00	9.21E-01	7.00E-05	1.97E-02	4.69E-03	9.45E-01
1807	494761.06	3859101.99	8.71E-01	5.93E-05	1.92E-02	4.68E-03	8.95E-01	9.09E-01	6.06E-01	1.75E+00	1.60E-01	3.43E+00	9.07E-01	6.94E-05	1.92E-02	4.68E-03	9.31E-01
1808	494811.06	3859101.99	8.50E-01	5.81E-05	1.92E-02	4.57E-03	8.74E-01	8.87E-01	5.94E-01	1.75E+00	1.56E-01	3.38E+00	8.85E-01	6.80E-05	1.92E-02	4.57E-03	9.09E-01
1809	494861.06	3859101.99	8.32E-01	5.71E-05	1.91E-02	4.47E-03	8.55E-01	8.68E-01	5.84E-01	1.74E+00	1.53E-01	3.35E+00	8.66E-01	6.68E-05	1.91E-02	4.47E-03	8.90E-01
1810	494911.06	3859101.99	8.01E-01	5.46E-05	1.90E-02	4.34E-03	8.24E-01	8.36E-01	5.57E-01	1.73E+00	1.48E-01	3.27E+00	8.34E-01	6.38E-05	1.90E-02	4.34E-03	8.57E-01
1811	494961.06	3859101.99	7.40E-01	5.24E-05	1.87E-02	4.12E-03	7.63E-01	7.72E-01	5.35E-01	1.71E+00	1.41E-01	3.16E+00	7.70E-01	6.13E-05	1.87E-02	4.12E-03	7.93E-01
1812	495011.06	3859101.99	6.75E-01	4.93E-05	1.86E-02	4.03E-03	6.98E-01	7.05E-01	5.04E-01	1.69E+00	1.38E-01	3.04E+00	7.03E-01	5.77E-05	1.86E-02	4.03E-03	7.26E-01
1813	495061.06	3859101.99	6.88E-01	4.97E-05	1.86E-02	4.03E-03	7.10E-01	7.18E-01	5.08E-01	1.70E+00	1.38E-01	3.06E+00	7.16E-01	5.81E-05	1.86E-02	4.03E-03	7.39E-01
1814	495111.06	3859101.99	6.71E-01	4.89E-05	1.86E-02	4.03E-03	6.94E-01	7.00E-01	5.00E-01	1.70E+00	1.38E-01	3.03E+00	6.99E-01	5.73E-05	1.86E-02	4.03E-03	7.22E-01
1815	495161.06	3859101.99	6.80E-01	4.99E-05	1.87E-02	4.05E-03	7.03E-01	7.09E-01	5.10E-01	1.70E+00	1.38E-01	3.06E+00	7.08E-01	5.84E-05	1.87E-02	4.05E-03	7.31E-01
1816	495211.06	3859101.99	6.63E-01	4.92E-05	1.86E-02	4.00E-03	6.85E-01	6.92E-01	5.03E-01	1.70E+00	1.37E-01	3.03E+00	6.90E-01	5.76E-05	1.86E-02	4.00E-03	7.13E-01
1817	495261.06	3859101.99	6.69E-01	4.96E-05	1.87E-02	3.99E-03	6.92E-01	6.98E-01	5.07E-01	1.70E+00	1.36E-01	3.04E+00	6.97E-01	5.80E-05	1.87E-02	3.99E-03	7.19E-01
1818	495311.06	3859101.99	6.68E-01	4.89E-05	1.87E-02	4.00E-03	6.91E-01	6.97E-01	5.00E-01	1.71E+00	1.37E-01	3.04E+00	6.96E-01	5.73E-05	1.87E-02	4.00E-03	7.18E-01
1819	495361.06	3859101.99	6.75E-01	4.99E-05	1.88E-02	4.01E-03	6.97E-01	7.04E-01	5.10E-01	1.72E+00	1.37E-01	3.07E+00	7.02E-01	5.84E-05	1.88E-02	4.01E-03	7.25E-01
1820	495411.06	3859101.99	6.70E-01	4.99E-05	1.90E-02	4.02E-03	6.93E-01	7.00E-01	5.10E-01	1.73E+00	1.38E-01	3.08E+00	6.98E-01	5.84E-05	1.90E-02	4.02E-03	7.21E-01
1821	495461.06	3859101.99	6.61E-01	4.89E-05	1.91E-02	4.03E-03	6.85E-01	6.90E-01	5.00E-01	1.74E+00	1.38E-01	3.07E+00	6.89E-01	5.72E-05	1.91E-02	4.03E-03	7.12E-01
1822	495511.06	3859101.99	6.58E-01	4.87E-05	1.90E-02	4.04E-03	6.81E-01	6.87E-01	4.98E-01	1.74E+00	1.38E-01	3.06E+00	6.86E-01	5.70E-05	1.90E-02	4.04E-03	7.09E-01
1823	495561.06	3859101.99	6.42E-01	4.86E-05	1.89E-02	4.01E-03	6.65E-01	6.70E-01	4.96E-01	1.72E+00	1.37E-01	3.03E+00	6.68E-01	5.68E-05	1.89E-02	4.01E-03	6.91E-01
1824	495611.06	3859101.99	6.27E-01	4.78E-05	1.88E-02	3.96E-03	6.50E-01	6.54E-01	4.89E-01	1.71E+00	1.36E-01	2.99E+00	6.53E-01	5.59E-05	1.88E-02	3.96E-03	6.76E-01
1825	495661.06	3859101.99	6.32E-01	4.80E-05	1.89E-02	3.96E-03	6.55E-01	6.59E-01	4.91E-01	1.73E+00	1.36E-01	3.01E+00	6.58E-01	5.62E-05	1.89E-02	3.96E-03	6.81E-01
1826	494311.06	3859151.99	1.13E+00	8.32E-05	2.13E-02	5.26E-03	1.16E+00	1.18E+00	8.50E-01	1.95E+00	1.80E-01	4.16E+00	1.18E+00	9.74E-05	2.13E-02	5.26E-03	1.21E+00

1827	494361.06	3859151.99	1.11E+00	8.31E-05	2.20E-02	5.23E-03	1.14E+00	1.16E+00	8.49E-01	2.00E+00	1.79E-01	4.19E+00	1.16E+00	9.72E-05	2.20E-02	5.23E-03	1.19E+00
1828	494411.06	3859151.99	1.09E+00	8.11E-05	2.27E-02	5.18E-03	1.11E+00	1.13E+00	8.28E-01	2.07E+00	1.77E-01	4.21E+00	1.13E+00	9.48E-05	2.27E-02	5.18E-03	1.16E+00
1829	494461.06	3859151.99	1.07E+00	7.90E-05	2.31E-02	5.14E-03	1.09E+00	1.11E+00	8.07E-01	2.11E+00	1.76E-01	4.20E+00	1.11E+00	9.24E-05	2.31E-02	5.14E-03	1.14E+00
1830	494511.06	3859151.99	1.04E+00	7.57E-05	2.30E-02	5.08E-03	1.07E+00	1.09E+00	7.73E-01	2.10E+00	1.74E-01	4.13E+00	1.09E+00	8.85E-05	2.30E-02	5.08E-03	1.12E+00
1831	494561.06	3859151.99	1.04E+00	7.42E-05	2.26E-02	5.04E-03	1.07E+00	1.08E+00	7.58E-01	2.06E+00	1.72E-01	4.07E+00	1.08E+00	8.68E-05	2.26E-02	5.04E-03	1.11E+00
1832	494611.06	3859151.99	1.02E+00	7.12E-05	2.18E-02	4.97E-03	1.04E+00	1.06E+00	7.28E-01	1.99E+00	1.70E-01	3.94E+00	1.06E+00	8.33E-05	2.18E-02	4.97E-03	1.09E+00
1833	494661.06	3859151.99	9.95E-01	6.96E-05	2.11E-02	4.93E-03	1.02E+00	1.04E+00	7.11E-01	1.93E+00	1.69E-01	3.85E+00	1.04E+00	8.14E-05	2.11E-02	4.93E-03	1.06E+00
1834	494711.06	3859151.99	9.78E-01	6.82E-05	2.06E-02	4.90E-03	1.00E+00	1.02E+00	6.97E-01	1.88E+00	1.68E-01	3.76E+00	1.02E+00	7.98E-05	2.06E-02	4.90E-03	1.04E+00
1835	494761.06	3859151.99	9.37E-01	6.47E-05	2.00E-02	4.83E-03	9.62E-01	9.77E-01	6.61E-01	1.82E+00	1.65E-01	3.63E+00	9.75E-01	7.57E-05	2.00E-02	4.83E-03	1.00E+00
1836	494811.06	3859151.99	8.97E-01	6.17E-05	1.99E-02	4.75E-03	9.22E-01	9.36E-01	6.30E-01	1.81E+00	1.62E-01	3.54E+00	9.34E-01	7.22E-05	1.99E-02	4.75E-03	9.59E-01
1837	494861.06	3859151.99	8.74E-01	6.03E-05	1.98E-02	4.66E-03	8.98E-01	9.12E-01	6.16E-01	1.80E+00	1.60E-01	3.49E+00	9.10E-01	7.06E-05	1.98E-02	4.66E-03	9.34E-01
1838	494911.06	3859151.99	8.31E-01	5.80E-05	1.92E-02	4.49E-03	8.55E-01	8.67E-01	5.92E-01	1.75E+00	1.54E-01	3.36E+00	8.65E-01	6.78E-05	1.92E-02	4.49E-03	8.89E-01
1839	494961.06	3859151.99	7.81E-01	5.36E-05	1.84E-02	4.26E-03	8.04E-01	8.15E-01	5.48E-01	1.68E+00	1.46E-01	3.19E+00	8.13E-01	6.27E-05	1.84E-02	4.26E-03	8.36E-01
1840	495011.06	3859151.99	7.31E-01	5.18E-05	1.81E-02	4.07E-03	7.53E-01	7.63E-01	5.29E-01	1.65E+00	1.39E-01	3.08E+00	7.61E-01	6.06E-05	1.81E-02	4.07E-03	7.83E-01
1841	495061.06	3859151.99	7.27E-01	5.18E-05	1.80E-02	4.07E-03	7.49E-01	7.59E-01	5.29E-01	1.64E+00	1.39E-01	3.07E+00	7.57E-01	6.06E-05	1.80E-02	4.07E-03	7.79E-01
1842	495111.06	3859151.99	7.19E-01	5.15E-05	1.79E-02	4.05E-03	7.41E-01	7.51E-01	5.26E-01	1.63E+00	1.38E-01	3.05E+00	7.49E-01	6.03E-05	1.79E-02	4.05E-03	7.71E-01
1843	495161.06	3859151.99	7.40E-01	5.24E-05	1.80E-02	4.12E-03	7.62E-01	7.72E-01	5.35E-01	1.64E+00	1.41E-01	3.09E+00	7.71E-01	6.13E-05	1.80E-02	4.12E-03	7.93E-01
1844	495211.06	3859151.99	7.40E-01	5.22E-05	1.80E-02	4.10E-03	7.63E-01	7.73E-01	5.34E-01	1.64E+00	1.40E-01	3.09E+00	7.71E-01	6.11E-05	1.80E-02	4.10E-03	7.93E-01
1845	495261.06	3859151.99	7.36E-01	5.21E-05	1.79E-02	4.08E-03	7.58E-01	7.67E-01	5.32E-01	1.63E+00	1.40E-01	3.07E+00	7.66E-01	6.09E-05	1.79E-02	4.08E-03	7.88E-01
1846	495311.06	3859151.99	7.21E-01	5.21E-05	1.78E-02	4.08E-03	7.43E-01	7.53E-01	5.32E-01	1.63E+00	1.39E-01	3.05E+00	7.51E-01	6.09E-05	1.78E-02	4.08E-03	7.73E-01
1847	495361.06	3859151.99	7.16E-01	5.20E-05	1.79E-02	4.09E-03	7.38E-01	7.47E-01	5.32E-01	1.63E+00	1.40E-01	3.05E+00	7.46E-01	6.09E-05	1.79E-02	4.09E-03	7.68E-01
1848	495411.06	3859151.99	7.27E-01	5.28E-05	1.80E-02	4.17E-03	7.50E-01	7.59E-01	5.39E-01	1.64E+00	1.43E-01	3.08E+00	7.57E-01	6.18E-05	1.80E-02	4.17E-03	7.80E-01
1849	495461.06	3859151.99	7.24E-01	5.28E-05	1.80E-02	4.18E-03	7.47E-01	7.56E-01	5.39E-01	1.64E+00	1.43E-01	3.08E+00	7.54E-01	6.17E-05	1.80E-02	4.18E-03	7.77E-01
1850	495511.06	3859151.99	7.09E-01	5.20E-05	1.79E-02	4.09E-03	7.31E-01	7.40E-01	5.31E-01	1.63E+00	1.40E-01	3.04E+00	7.39E-01	6.08E-05	1.79E-02	4.09E-03	7.61E-01
1851	495561.06	3859151.99	6.91E-01	5.14E-05	1.79E-02	4.07E-03	7.13E-01	7.21E-01	5.26E-01	1.63E+00	1.39E-01	3.01E+00	7.20E-01	6.02E-05	1.79E-02	4.07E-03	7.42E-01
1852	495611.06	3859151.99	6.84E-01	5.10E-05	1.78E-02	4.07E-03	7.06E-01	7.14E-01	5.21E-01	1.63E+00	1.39E-01	3.00E+00	7.12E-01	5.97E-05	1.78E-02	4.07E-03	7.34E-01
1853	495661.06	3859151.99	6.79E-01	5.07E-05	1.79E-02	4.07E-03	7.01E-01	7.09E-01	5.18E-01	1.63E+00	1.39E-01	3.00E+00	7.07E-01	5.94E-05	1.79E-02	4.07E-03	7.29E-01
1854	494311.06	3859201.99	1.18E+00	9.00E-05	2.00E-02	5.24E-03	1.21E+00	1.23E+00	9.20E-01	1.83E+00	1.79E-01	4.16E+00	1.23E+00	1.05E-04	2.00E-02	5.24E-03	1.26E+00
1855	494361.06	3859201.99	1.17E+00	8.92E-05	2.01E-02	5.22E-03	1.20E+00	1.23E+00	9.11E-01	1.83E+00	1.78E-01	4.15E+00	1.22E+00	1.04E-04	2.01E-02	5.22E-03	1.25E+00
1856	494411.06	3859201.99	1.16E+00	8.76E-05	2.01E-02	5.19E-03	1.18E+00	1.21E+00	8.95E-01	1.83E+00	1.78E-01	4.11E+00	1.20E+00	1.02E-04	2.01E-02	5.19E-03	1.23E+00
1857	494461.06	3859201.99	1.12E+00	8.46E-05	2.01E-02	5.15E-03	1.14E+00	1.16E+00	8.65E-01	1.83E+00	1.76E-01	4.04E+00	1.16E+00	9.90E-05	2.01E-02	5.15E-03	1.19E+00
1858	494511.06	3859201.99	1.09E+00	8.27E-05	2.00E-02	5.12E-03	1.11E+00	1.13E+00	8.45E-01	1.83E+00	1.75E-01	3.98E+00	1.13E+00	9.68E-05	2.00E-02	5.12E-03	1.16E+00
1859	494561.06	3859201.99	1.06E+00	7.92E-05	2.00E-02	5.06E-03	1.08E+00	1.10E+00	8.10E-01	1.82E+00	1.73E-01	3.91E+00	1.10E+00	9.27E-05	2.00E-02	5.06E-03	1.13E+00
1860	494611.06	3859201.99	1.04E+00	7.68E-05	2.01E-02	5.00E-03	1.06E+00	1.08E+00	7.84E-01	1.84E+00	1.71E-01	3.88E+00	1.08E+00	8.98E-05	2.01E-02	5.00E-03	1.11E+00
1861	494661.06	3859201.99	1.02E+00	7.52E-05	2.05E-02	4.96E-03	1.05E+00	1.07E+00	7.69E-01	1.87E+00	1.69E-01	3.87E+00	1.06E+00	8.80E-05	2.05E-02	4.96E-03	1.09E+00
1862	494711.06	3859201.99	1.01E+00	7.34E-05	2.10E-02	4.91E-03	1.04E+00	1.06E+00	7.49E-01	1.92E+00	1.68E-01	3.89E+00	1.05E+00	8.58E-05	2.10E-02	4.91E-03	1.08E+00
1863	494761.06	3859201.99	9.89E-01	6.99E-05	2.12E-02	4.85E-03	1.02E+00	1.03E+00	7.14E-01	1.94E+00	1.66E-01	3.85E+00	1.03E+00	8.17E-05	2.12E-02	4.85E-03	1.06E+00
1864	494811.06	3859201.99	9.61E-01	6.72E-05	2.12E-02	4.79E-03	9.87E-01	1.00E+00	6.86E-01	1.94E+00	1.64E-01	3.79E+00	1.00E+00	7.86E-05	2.12E-02	4.79E-03	1.03E+00
1865	494861.06	3859201.99	9.23E-01	6.29E-05	2.06E-02	4.69E-03	9.49E-01	9.63E-01	6.43E-01	1.88E+00	1.60E-01	3.65E+00	9.61E-01	7.36E-05	2.06E-02	4.69E-03	9.87E-01
1866	494911.06	3859201.99	8.72E-01	6.00E-05	1.95E-02	4.48E-03	8.96E-01	9.10E-01	6.13E-01	1.78E+00	1.53E-01	3.45E+00	9.08E-01	7.03E-05	1.95E-02	4.48E-03	9.32E-01
1867	494961.06	3859201.99	8.21E-01	5.70E-05	1.90E-02	4.26E-03	8.44E-01	8.57E-01	5.83E-01	1.73E+00	1.46E-01	3.32E+00	8.55E-01	6.67E-05	1.90E-02	4.26E-03	8.78E-01
1868	495011.06	3859201.99	7.53E-01	5.29E-05	1.84E-02	4.09E-03	7.76E-01	7.86E-01	5.40E-01	1.68E+00	1.40E-01	3.15E+00	7.85E-01	6.19E-05	1.84E-02	4.09E-03	8.07E-01
1869	495061.06	3859201.99	7.79E-01	5.43E-05	1.87E-02	4.18E-03	8.02E-01	8.13E-01	5.55E-01	1.71E+00	1.43E-01	3.22E+00	8.11E-01	6.36E-05	1.87E-02	4.18E-03	8.34E-01
1870	495111.06	3859201.99	7.83E-01	5.46E-05	1.86E-02	4.20E-03	8.06E-01	8.17E-01	5.58E-01	1.70E+00	1.44E-01	3.22E+00	8.15E-01	6.39E-05	1.86E-02	4.20E-03	8.38E-01
1871	495161.06	3859201.99	7.83E-01	5.47E-05	1.83E-02	4.21E-03	8.06E-01	8.17E-01	5.59E-01	1.67E+00	1.44E-01	3.19E+00	8.16E-01	6.40E-05	1.83E-02	4.21E-03	8.38E-01
1872	495211.06	3859201.99	7.74E-01	5.43E-05	1.78E-02	4.22E-03	7.96E-01	8.07E-01	5.55E-01	1.63E+00	1.44E-01	3.13E+00	8.06E-01	6.35E-05	1.78E-02	4.22E-03	8.28E-01
1873	495261.06	3859201.99	7.78E-01	5.46E-05	1.77E-02	4.25E-03	8.00E-01	8.12E-01	5.58E-01	1.61E+00	1.45E-01	3.13E+00	8.10E-01	6.39E-05	1.77E-02	4.25E-03	8.32E-01
1874	495311.06	3859201.99	7.80E-01	5.46E-05	1.76E-02	4.28E-03	8.02E-01	8.14E-01	5.58E-01	1.60E+00	1.46E-01	3.12E+00	8.13E-01	6.39E-05	1.76E-02	4.28E-03	8.35E-01
1875	495361.06	3859201.99	7.87E-01	5.48E-05	1.75E-02	4.30E-03	8.09E-01	8.21E-01	5.60E-01	1.59E+00	1.47E-01	3.12E+00	8.20E-01	6.41E-05	1.75E-02	4.30E-03	8.41E-01
1876	495411.06	3859201.99	7.91E-01	5.61E-05	1.75E-02	4.33E-03	8.13E-01	8.25E-01	5.73E-01	1.59E+00	1.48E-01	3.14E+00	8.24E-01	6.56E-05	1.75E-02	4.33E-03	8.46E-01
1877	495461.06	3859201.99	7.75E-01	5.58E-05	1.74E-02	4.32E-03	7.97E-01	8.09E-01	5.70E-01	1.59E+00	1.48E-01	3.11E+00	8.07E-01	6.52E-05	1.74E-02	4.32E-03	8.29E-01
1878	495511.06	3859201.99	7.72E-01	5.51E-05	1.73E-02	4.31E-03	7.93E-01	8.05E-01	5.63E-01	1.58E+00	1.48E-01	3.10E+00	8.03E-01	6.45E-05	1.73E-02	4.31E-03	8.25E-01
1879	495561.06	3859201.99	7.45E-01	5.42E-05	1.71E-02	4.29E-03	7.66E-01	7.77E-01	5.53E-01	1.56E+00	1.47E-01	3.04E+00	7.75E-01	6.34E-05	1.71E-02	4.29E-03	7.97E-01
1880	495611.06	3859201.99	7.33E-01	5.36E-05	1.70E-02	4.27E-03	7.55E-01	7.65E-01	5.48E-01	1.55E+00	1.46E-01	3.01E+00	7.64E-01	6.27E-05	1.70E-02	4.27E-03	7.85E-01
1881	495661.06	3859201.99	7.25E-01	5.33E-05	1.71E-02	4.27E-03	7.46E-01	7.56E-01	5.45E-01	1.56E+00	1.46E-01	3.00E+00	7.55E-01	6.24E-05	1.71E-02	4.27E-03	7.76E-01
1882	494311.06	3859251.99	1.19E+00	9.95E-05	2.05E-02	5.25E-03	1.22E+00	1.24E+00	1.02E+00	1.87E+00	1.80E-01	4.31E+00	1.24E+00	1.16E-04	2.05E-02	5.25E-03	1.27E+00
1883	494361.06	3859251.99	1.18E+00	9.66E-05	1.99E-02	5.21E-03	1.21E+00	1.24E+00	9.87E-01	1.81E+00	1.78E-01	4.21E+00	1.23E+00	1.13E-04	1.99E-02	5.21E-03	1.26E+00
1884	494411.06	3859251.99	1.17E+00	9.27E-05	1.93E-02	5.17E-03	1.19E+00	1.22E+00	9.47E-01	1.76E+00	1.77E-01	4.10E+00	1.22E+00	1.08E-04	1.93E-02	5.17E-03	1.24E+00
1885	494461.06	3859251.99	1.16E+00	9.05E-05	1.88E-02	5.15E-03	1.19E+00	1.21E+00	9.24E-01	1.72E+00	1.76E-01	4.03E+00	1.21E+00	1.06E-04	1.88E-02	5.15E-03	1.23E+00
1886	494511.06	3859251.99	1.14E+00	8.60E-05	1.88E-02	5.09E-03	1.17E+00	1.19E+00	8.79E-01	1.72E+00	1.74E-01	3.96E+00	1.19E+00	1.01E-04	1.88E-02	5.09E-03	1.22E+00
1887	494561.06	3859251.99	1.12E+00	8.40E-05	1.88E-02	5.05E-03	1.14E+00	1.17E+00	8.58E-01	1.72E+00	1.73E-01	3.92E+00	1.16E+00	9.83E-05	1.88E-02	5.05E-03	1.19E+00

1888	494611.06	3859251.99	1.08E+00	8.08E-05	1.89E-02	5.01E-03	1.10E+00	1.13E+00	8.26E-01	1.73E+00	1.71E-01	3.85E+00	1.12E+00	9.45E-05	1.89E-02	5.01E-03	1.15E+00
1889	494661.06	3859251.99	1.06E+00	7.99E-05	1.89E-02	5.00E-03	1.08E+00	1.10E+00	8.16E-01	1.73E+00	1.71E-01	3.82E+00	1.10E+00	9.34E-05	1.89E-02	5.00E-03	1.12E+00
1890	494711.06	3859251.99	1.04E+00	7.78E-05	1.89E-02	4.98E-03	1.06E+00	1.08E+00	7.95E-01	1.73E+00	1.70E-01	3.77E+00	1.08E+00	9.10E-05	1.89E-02	4.98E-03	1.10E+00
1891	494761.06	3859251.99	9.94E-01	7.12E-05	1.88E-02	4.86E-03	1.02E+00	1.04E+00	7.27E-01	1.72E+00	1.66E-01	3.65E+00	1.04E+00	8.33E-05	1.88E-02	4.86E-03	1.06E+00
1892	494811.06	3859251.99	9.88E-01	7.20E-05	1.87E-02	4.84E-03	1.01E+00	1.03E+00	7.36E-01	1.71E+00	1.66E-01	3.64E+00	1.03E+00	8.42E-05	1.87E-02	4.84E-03	1.05E+00
1893	494861.06	3859251.99	9.49E-01	6.61E-05	1.86E-02	4.68E-03	9.73E-01	9.90E-01	6.75E-01	1.69E+00	1.60E-01	3.52E+00	9.89E-01	7.73E-05	1.86E-02	4.68E-03	1.01E+00
1894	494911.06	3859251.99	9.06E-01	6.28E-05	1.84E-02	4.51E-03	9.29E-01	9.45E-01	6.42E-01	1.68E+00	1.54E-01	3.42E+00	9.43E-01	7.35E-05	1.84E-02	4.51E-03	9.66E-01
1895	494961.06	3859251.99	8.86E-01	6.11E-05	1.85E-02	4.46E-03	9.09E-01	9.24E-01	6.24E-01	1.69E+00	1.53E-01	3.39E+00	9.22E-01	7.15E-05	1.85E-02	4.46E-03	9.45E-01
1896	495011.06	3859251.99	8.55E-01	5.90E-05	1.86E-02	4.39E-03	8.78E-01	8.93E-01	6.02E-01	1.70E+00	1.50E-01	3.34E+00	8.91E-01	6.90E-05	1.86E-02	4.39E-03	9.14E-01
1897	495061.06	3859251.99	8.55E-01	5.95E-05	1.86E-02	4.41E-03	8.78E-01	8.92E-01	6.08E-01	1.70E+00	1.51E-01	3.35E+00	8.90E-01	6.96E-05	1.86E-02	4.41E-03	9.13E-01
1898	495111.06	3859251.99	8.42E-01	5.90E-05	1.84E-02	4.40E-03	8.65E-01	8.78E-01	6.03E-01	1.67E+00	1.50E-01	3.31E+00	8.77E-01	6.90E-05	1.84E-02	4.40E-03	8.99E-01
1899	495161.06	3859251.99	8.34E-01	5.91E-05	1.82E-02	4.40E-03	8.57E-01	8.70E-01	6.03E-01	1.66E+00	1.51E-01	3.29E+00	8.69E-01	6.91E-05	1.82E-02	4.40E-03	8.91E-01
1900	495211.06	3859251.99	8.25E-01	5.84E-05	1.82E-02	4.39E-03	8.48E-01	8.61E-01	5.97E-01	1.66E+00	1.50E-01	3.27E+00	8.60E-01	6.83E-05	1.82E-02	4.39E-03	8.82E-01
1901	495261.06	3859251.99	8.27E-01	5.77E-05	1.84E-02	4.45E-03	8.49E-01	8.62E-01	5.90E-01	1.68E+00	1.52E-01	3.28E+00	8.61E-01	6.75E-05	1.84E-02	4.45E-03	8.84E-01
1902	495311.06	3859251.99	8.29E-01	5.90E-05	1.83E-02	4.46E-03	8.52E-01	8.65E-01	6.03E-01	1.67E+00	1.52E-01	3.29E+00	8.64E-01	6.90E-05	1.83E-02	4.46E-03	8.86E-01
1903	495361.06	3859251.99	8.26E-01	5.88E-05	1.82E-02	4.46E-03	8.48E-01	8.62E-01	6.01E-01	1.66E+00	1.52E-01	3.28E+00	8.60E-01	6.88E-05	1.82E-02	4.46E-03	8.83E-01
1904	495411.06	3859251.99	8.35E-01	5.98E-05	1.81E-02	4.46E-03	8.57E-01	8.71E-01	6.11E-01	1.65E+00	1.53E-01	3.28E+00	8.69E-01	7.00E-05	1.81E-02	4.46E-03	8.92E-01
1905	495461.06	3859251.99	8.33E-01	5.96E-05	1.79E-02	4.46E-03	8.55E-01	8.69E-01	6.09E-01	1.63E+00	1.52E-01	3.26E+00	8.67E-01	6.97E-05	1.79E-02	4.46E-03	8.89E-01
1906	495511.06	3859251.99	8.20E-01	5.80E-05	1.73E-02	4.44E-03	8.42E-01	8.56E-01	5.92E-01	1.58E+00	1.52E-01	3.18E+00	8.54E-01	6.78E-05	1.73E-02	4.44E-03	8.76E-01
1907	495561.06	3859251.99	8.04E-01	5.74E-05	1.71E-02	4.44E-03	8.26E-01	8.39E-01	5.86E-01	1.56E+00	1.52E-01	3.14E+00	8.37E-01	6.71E-05	1.71E-02	4.44E-03	8.59E-01
1908	495611.06	3859251.99	7.79E-01	5.61E-05	1.70E-02	4.40E-03	8.01E-01	8.13E-01	5.73E-01	1.55E+00	1.51E-01	3.09E+00	8.12E-01	6.56E-05	1.70E-02	4.40E-03	8.33E-01
1909	495661.06	3859251.99	7.73E-01	5.55E-05	1.68E-02	4.37E-03	7.94E-01	8.06E-01	5.67E-01	1.53E+00	1.49E-01	3.06E+00	8.05E-01	6.50E-05	1.68E-02	4.37E-03	8.26E-01
1910	494311.06	3859301.99	1.25E+00	1.08E-04	2.20E-02	5.35E-03	1.27E+00	1.30E+00	1.10E+00	2.01E+00	1.83E-01	4.60E+00	1.30E+00	1.27E-04	2.20E-02	5.35E-03	1.32E+00
1911	494361.06	3859301.99	1.22E+00	1.05E-04	2.16E-02	5.31E-03	1.25E+00	1.28E+00	1.07E+00	1.97E+00	1.81E-01	4.50E+00	1.27E+00	1.23E-04	2.16E-02	5.31E-03	1.30E+00
1912	494411.06	3859301.99	1.19E+00	1.01E-04	2.11E-02	5.25E-03	1.21E+00	1.24E+00	1.03E+00	1.92E+00	1.80E-01	4.37E+00	1.23E+00	1.18E-04	2.11E-02	5.25E-03	1.26E+00
1913	494461.06	3859301.99	1.16E+00	9.70E-05	2.05E-02	5.20E-03	1.19E+00	1.21E+00	9.91E-01	1.87E+00	1.78E-01	4.25E+00	1.21E+00	1.13E-04	2.05E-02	5.20E-03	1.24E+00
1914	494511.06	3859301.99	1.15E+00	9.36E-05	2.00E-02	5.18E-03	1.18E+00	1.20E+00	9.56E-01	1.82E+00	1.77E-01	4.16E+00	1.20E+00	1.10E-04	2.00E-02	5.18E-03	1.23E+00
1915	494561.06	3859301.99	1.14E+00	9.10E-05	1.94E-02	5.16E-03	1.17E+00	1.19E+00	9.30E-01	1.77E+00	1.76E-01	4.07E+00	1.19E+00	1.06E-04	1.94E-02	5.16E-03	1.21E+00
1916	494611.06	3859301.99	1.13E+00	8.80E-05	1.89E-02	5.17E-03	1.15E+00	1.18E+00	8.99E-01	1.72E+00	1.77E-01	3.98E+00	1.18E+00	1.03E-04	1.89E-02	5.17E-03	1.20E+00
1917	494661.06	3859301.99	1.12E+00	8.55E-05	1.83E-02	5.18E-03	1.14E+00	1.17E+00	8.73E-01	1.67E+00	1.77E-01	3.89E+00	1.16E+00	1.00E-04	1.83E-02	5.18E-03	1.19E+00
1918	494711.06	3859301.99	1.09E+00	8.21E-05	1.79E-02	5.13E-03	1.11E+00	1.13E+00	8.39E-01	1.63E+00	1.75E-01	3.78E+00	1.13E+00	9.61E-05	1.79E-02	5.13E-03	1.16E+00
1919	494761.06	3859301.99	1.05E+00	7.93E-05	1.76E-02	5.05E-03	1.08E+00	1.10E+00	8.10E-01	1.61E+00	1.73E-01	3.69E+00	1.10E+00	9.27E-05	1.76E-02	5.05E-03	1.12E+00
1920	494811.06	3859301.99	1.02E+00	7.53E-05	1.77E-02	4.97E-03	1.04E+00	1.06E+00	7.69E-01	1.61E+00	1.70E-01	3.62E+00	1.06E+00	8.80E-05	1.77E-02	4.97E-03	1.08E+00
1921	494861.06	3859301.99	9.77E-01	7.00E-05	1.75E-02	4.88E-03	9.99E-01	1.02E+00	7.15E-01	1.59E+00	1.67E-01	3.49E+00	1.02E+00	8.18E-05	1.75E-02	4.88E-03	1.04E+00
1922	494911.06	3859301.99	9.54E-01	6.77E-05	1.76E-02	4.76E-03	9.76E-01	9.95E-01	6.92E-01	1.60E+00	1.63E-01	3.45E+00	9.93E-01	7.92E-05	1.76E-02	4.76E-03	1.02E+00
1923	494961.06	3859301.99	9.08E-01	6.26E-05	1.75E-02	4.63E-03	9.30E-01	9.48E-01	6.40E-01	1.59E+00	1.58E-01	3.34E+00	9.46E-01	7.32E-05	1.75E-02	4.63E-03	9.68E-01
1924	495011.06	3859301.99	8.93E-01	6.14E-05	1.74E-02	4.60E-03	9.15E-01	9.31E-01	6.27E-01	1.59E+00	1.57E-01	3.30E+00	9.30E-01	7.18E-05	1.74E-02	4.60E-03	9.52E-01
1925	495061.06	3859301.99	9.19E-01	6.38E-05	1.76E-02	4.65E-03	9.41E-01	9.59E-01	6.52E-01	1.61E+00	1.59E-01	3.38E+00	9.57E-01	7.46E-05	1.76E-02	4.65E-03	9.79E-01
1926	495111.06	3859301.99	8.91E-01	6.19E-05	1.75E-02	4.60E-03	9.14E-01	9.30E-01	6.33E-01	1.60E+00	1.57E-01	3.32E+00	9.28E-01	7.25E-05	1.75E-02	4.60E-03	9.51E-01
1927	495161.06	3859301.99	8.86E-01	6.25E-05	1.75E-02	4.59E-03	9.08E-01	9.24E-01	6.39E-01	1.60E+00	1.57E-01	3.32E+00	9.23E-01	7.32E-05	1.75E-02	4.59E-03	9.45E-01
1928	495211.06	3859301.99	8.88E-01	6.38E-05	1.78E-02	4.61E-03	9.11E-01	9.27E-01	6.52E-01	1.62E+00	1.58E-01	3.36E+00	9.25E-01	7.46E-05	1.78E-02	4.61E-03	9.48E-01
1929	495261.06	3859301.99	8.85E-01	6.42E-05	1.81E-02	4.61E-03	9.07E-01	9.23E-01	6.56E-01	1.65E+00	1.58E-01	3.39E+00	9.21E-01	7.51E-05	1.81E-02	4.61E-03	9.44E-01
1930	495311.06	3859301.99	8.64E-01	6.28E-05	1.82E-02	4.58E-03	8.87E-01	9.02E-01	6.42E-01	1.66E+00	1.56E-01	3.36E+00	9.00E-01	7.35E-05	1.82E-02	4.58E-03	9.23E-01
1931	495361.06	3859301.99	8.66E-01	6.34E-05	1.83E-02	4.58E-03	8.89E-01	9.04E-01	6.48E-01	1.66E+00	1.57E-01	3.37E+00	9.02E-01	7.42E-05	1.83E-02	4.58E-03	9.25E-01
1932	495411.06	3859301.99	8.65E-01	6.35E-05	1.81E-02	4.57E-03	8.88E-01	9.02E-01	6.48E-01	1.65E+00	1.56E-01	3.36E+00	9.01E-01	7.42E-05	1.81E-02	4.57E-03	9.23E-01
1933	495461.06	3859301.99	8.67E-01	6.37E-05	1.80E-02	4.59E-03	8.89E-01	9.04E-01	6.51E-01	1.64E+00	1.57E-01	3.36E+00	9.02E-01	7.45E-05	1.80E-02	4.59E-03	9.25E-01
1934	495511.06	3859301.99	8.53E-01	6.26E-05	1.77E-02	4.58E-03	8.75E-01	8.90E-01	6.40E-01	1.62E+00	1.57E-01	3.30E+00	8.88E-01	7.32E-05	1.77E-02	4.58E-03	9.10E-01
1935	495561.06	3859301.99	8.32E-01	6.05E-05	1.76E-02	4.51E-03	8.54E-01	8.68E-01	6.18E-01	1.60E+00	1.54E-01	3.24E+00	8.66E-01	7.07E-05	1.76E-02	4.51E-03	8.88E-01
1936	495611.06	3859301.99	8.27E-01	6.00E-05	1.76E-02	4.47E-03	8.50E-01	8.63E-01	6.13E-01	1.60E+00	1.53E-01	3.23E+00	8.62E-01	7.02E-05	1.76E-02	4.47E-03	8.84E-01
1937	495661.06	3859301.99	8.25E-01	5.95E-05	1.74E-02	4.43E-03	8.47E-01	8.61E-01	6.08E-01	1.59E+00	1.52E-01	3.21E+00	8.59E-01	6.97E-05	1.74E-02	4.43E-03	8.81E-01
1938	494311.06	3859351.99	1.26E+00	1.17E-04	2.20E-02	5.55E-03	1.29E+00	1.32E+00	1.19E+00	2.00E+00	1.90E-01	4.70E+00	1.31E+00	1.37E-04	2.20E-02	5.55E-03	1.34E+00
1939	494361.06	3859351.99	1.25E+00	1.13E-04	2.17E-02	5.54E-03	1.28E+00	1.30E+00	1.16E+00	1.98E+00	1.89E-01	4.63E+00	1.30E+00	1.33E-04	2.17E-02	5.54E-03	1.33E+00
1940	494411.06	3859351.99	1.23E+00	1.08E-04	2.14E-02	5.50E-03	1.26E+00	1.29E+00	1.10E+00	1.95E+00	1.88E-01	4.53E+00	1.28E+00	1.26E-04	2.14E-02	5.50E-03	1.31E+00
1941	494461.06	3859351.99	1.21E+00	1.03E-04	2.12E-02	5.45E-03	1.24E+00	1.26E+00	1.05E+00	1.94E+00	1.87E-01	4.44E+00	1.26E+00	1.21E-04	2.12E-02	5.45E-03	1.29E+00
1942	494511.06	3859351.99	1.18E+00	9.98E-05	2.11E-02	5.40E-03	1.21E+00	1.23E+00	1.02E+00	1.92E+00	1.85E-01	4.36E+00	1.23E+00	1.17E-04	2.11E-02	5.40E-03	1.26E+00
1943	494561.06	3859351.99	1.15E+00	9.83E-05	2.09E-02	5.35E-03	1.18E+00	1.20E+00	1.00E+00	1.91E+00	1.83E-01	4.30E+00	1.20E+00	1.15E-04	2.09E-02	5.35E-03	1.23E+00
1944	494611.06	3859351.99	1.14E+00	9.54E-05	2.05E-02	5.32E-03	1.16E+00	1.19E+00	9.74E-01	1.87E+00	1.82E-01	4.21E+00	1.19E+00	1.12E-04	2.05E-02	5.32E-03	1.21E+00
1945	494661.06	3859351.99	1.13E+00	9.27E-05	2.00E-02	5.28E-03	1.16E+00	1.18E+00	9.47E-01	1.82E+00	1.81E-01	4.13E+00	1.18E+00	1.08E-04	2.00E-02	5.28E-03	1.20E+00
1946	494711.06	3859351.99	1.11E+00	8.84E-05	1.95E-02	5.19E-03	1.14E+00	1.16E+00	9.03E-01	1.78E+00	1.78E-01	4.02E+00	1.16E+00	1.03E-04	1.95E-02	5.19E-03	1.18E+00
1947	494761.06	3859351.99	1.09E+00	8.21E-05	1.90E-02	5.11E-03	1.12E+00	1.14E+00	8.39E-01	1.73E+00	1.75E-01	3.88E+00	1.14E+00	9.61E-05	1.90E-02	5.11E-03	1.16E+00
1948	494811.06	3859351.99	1.05E+00	7.62E-05	1.83E-02	5.01E-03	1.07E+00	1.09E+00	7.78E-01	1.67E+00	1.71E-01	3.71E+00	1.09E+00	8.91E-05	1.83E-02	5.01E-03	1.11E+00

1949	494861.06	3859351.99	1.02E+00	7.43E-05	1.78E-02	4.97E-03	1.05E+00	1.07E+00	7.60E-01	1.62E+00	1.70E-01	3.62E+00	1.07E+00	8.70E-05	1.78E-02	4.97E-03	1.09E+00
1950	494911.06	3859351.99	1.00E+00	7.35E-05	1.74E-02	4.92E-03	1.02E+00	1.05E+00	7.51E-01	1.58E+00	1.68E-01	3.55E+00	1.04E+00	8.59E-05	1.74E-02	4.92E-03	1.07E+00
1951	494961.06	3859351.99	9.81E-01	7.16E-05	1.70E-02	4.83E-03	1.00E+00	1.02E+00	7.32E-01	1.55E+00	1.65E-01	3.47E+00	1.02E+00	8.38E-05	1.70E-02	4.83E-03	1.04E+00
1952	495011.06	3859351.99	9.66E-01	6.98E-05	1.67E-02	4.78E-03	9.87E-01	1.01E+00	7.13E-01	1.52E+00	1.63E-01	3.40E+00	1.01E+00	8.17E-05	1.67E-02	4.78E-03	1.03E+00
1953	495061.06	3859351.99	9.71E-01	7.18E-05	1.65E-02	4.83E-03	9.93E-01	1.01E+00	7.33E-01	1.51E+00	1.65E-01	3.42E+00	1.01E+00	8.40E-05	1.65E-02	4.83E-03	1.03E+00
1954	495111.06	3859351.99	9.57E-01	7.02E-05	1.66E-02	4.78E-03	9.79E-01	9.99E-01	7.17E-01	1.51E+00	1.63E-01	3.39E+00	9.97E-01	8.21E-05	1.66E-02	4.78E-03	1.02E+00
1955	495161.06	3859351.99	9.54E-01	6.97E-05	1.68E-02	4.77E-03	9.76E-01	9.96E-01	7.12E-01	1.53E+00	1.63E-01	3.40E+00	9.94E-01	8.16E-05	1.68E-02	4.77E-03	1.02E+00
1956	495211.06	3859351.99	9.51E-01	6.92E-05	1.69E-02	4.76E-03	9.73E-01	9.93E-01	7.07E-01	1.54E+00	1.63E-01	3.40E+00	9.91E-01	8.09E-05	1.69E-02	4.76E-03	1.01E+00
1957	495261.06	3859351.99	9.48E-01	6.96E-05	1.70E-02	4.77E-03	9.70E-01	9.89E-01	7.11E-01	1.55E+00	1.63E-01	3.41E+00	9.87E-01	8.14E-05	1.70E-02	4.77E-03	1.01E+00
1958	495311.06	3859351.99	9.30E-01	6.85E-05	1.70E-02	4.74E-03	9.52E-01	9.70E-01	7.00E-01	1.55E+00	1.62E-01	3.38E+00	9.68E-01	8.02E-05	1.70E-02	4.74E-03	9.90E-01
1959	495361.06	3859351.99	9.18E-01	6.84E-05	1.70E-02	4.74E-03	9.40E-01	9.58E-01	6.98E-01	1.55E+00	1.62E-01	3.37E+00	9.56E-01	8.00E-05	1.70E-02	4.74E-03	9.78E-01
1960	495411.06	3859351.99	9.11E-01	6.86E-05	1.71E-02	4.75E-03	9.33E-01	9.51E-01	7.01E-01	1.56E+00	1.62E-01	3.37E+00	9.49E-01	8.03E-05	1.71E-02	4.75E-03	9.71E-01
1961	495461.06	3859351.99	9.05E-01	6.93E-05	1.73E-02	4.77E-03	9.27E-01	9.44E-01	7.08E-01	1.58E+00	1.63E-01	3.39E+00	9.43E-01	8.11E-05	1.73E-02	4.77E-03	9.65E-01
1962	495511.06	3859351.99	8.87E-01	6.74E-05	1.74E-02	4.71E-03	9.09E-01	9.26E-01	6.89E-01	1.59E+00	1.61E-01	3.36E+00	9.24E-01	7.89E-05	1.74E-02	4.71E-03	9.46E-01
1963	495561.06	3859351.99	8.77E-01	6.61E-05	1.75E-02	4.65E-03	8.99E-01	9.15E-01	6.75E-01	1.60E+00	1.59E-01	3.35E+00	9.13E-01	7.73E-05	1.75E-02	4.65E-03	9.35E-01
1964	495611.06	3859351.99	8.69E-01	6.54E-05	1.76E-02	4.61E-03	8.91E-01	9.06E-01	6.68E-01	1.60E+00	1.58E-01	3.34E+00	9.05E-01	7.65E-05	1.76E-02	4.61E-03	9.27E-01
1965	495661.06	3859351.99	8.45E-01	6.33E-05	1.72E-02	4.53E-03	8.67E-01	8.82E-01	6.47E-01	1.57E+00	1.55E-01	3.25E+00	8.80E-01	7.41E-05	1.72E-02	4.53E-03	9.02E-01
1966	494311.06	3859401.99	1.30E+00	1.29E-04	2.07E-02	5.57E-03	1.33E+00	1.36E+00	1.32E+00	1.89E+00	1.90E-01	4.75E+00	1.35E+00	1.51E-04	2.07E-02	5.57E-03	1.38E+00
1967	494361.06	3859401.99	1.28E+00	1.22E-04	2.08E-02	5.56E-03	1.31E+00	1.34E+00	1.24E+00	1.89E+00	1.90E-01	4.67E+00	1.34E+00	1.42E-04	2.08E-02	5.56E-03	1.36E+00
1968	494411.06	3859401.99	1.26E+00	1.15E-04	2.08E-02	5.54E-03	1.28E+00	1.31E+00	1.18E+00	1.90E+00	1.90E-01	4.58E+00	1.31E+00	1.35E-04	2.08E-02	5.54E-03	1.34E+00
1969	494461.06	3859401.99	1.23E+00	1.11E-04	2.09E-02	5.53E-03	1.25E+00	1.28E+00	1.13E+00	1.90E+00	1.89E-01	4.51E+00	1.28E+00	1.30E-04	2.09E-02	5.53E-03	1.30E+00
1970	494511.06	3859401.99	1.22E+00	1.09E-04	2.09E-02	5.53E-03	1.25E+00	1.27E+00	1.12E+00	1.90E+00	1.89E-01	4.48E+00	1.27E+00	1.28E-04	2.09E-02	5.53E-03	1.30E+00
1971	494561.06	3859401.99	1.21E+00	1.06E-04	2.09E-02	5.50E-03	1.24E+00	1.26E+00	1.09E+00	1.90E+00	1.88E-01	4.44E+00	1.26E+00	1.24E-04	2.09E-02	5.50E-03	1.29E+00
1972	494611.06	3859401.99	1.19E+00	1.02E-04	2.05E-02	5.46E-03	1.21E+00	1.24E+00	1.05E+00	1.87E+00	1.87E-01	4.34E+00	1.24E+00	1.20E-04	2.05E-02	5.46E-03	1.26E+00
1973	494661.06	3859401.99	1.15E+00	1.01E-04	2.04E-02	5.45E-03	1.18E+00	1.20E+00	1.03E+00	1.86E+00	1.86E-01	4.28E+00	1.20E+00	1.18E-04	2.04E-02	5.45E-03	1.23E+00
1974	494711.06	3859401.99	1.13E+00	9.79E-05	2.02E-02	5.43E-03	1.16E+00	1.18E+00	1.00E+00	1.84E+00	1.86E-01	4.21E+00	1.18E+00	1.14E-04	2.02E-02	5.43E-03	1.21E+00
1975	494761.06	3859401.99	1.11E+00	9.05E-05	2.00E-02	5.38E-03	1.14E+00	1.16E+00	9.25E-01	1.83E+00	1.84E-01	4.10E+00	1.16E+00	1.06E-04	2.00E-02	5.38E-03	1.18E+00
1976	494811.06	3859401.99	1.09E+00	8.70E-05	1.98E-02	5.25E-03	1.12E+00	1.14E+00	8.89E-01	1.81E+00	1.79E-01	4.01E+00	1.14E+00	1.02E-04	1.98E-02	5.25E-03	1.16E+00
1977	494861.06	3859401.99	1.06E+00	8.18E-05	1.93E-02	5.13E-03	1.09E+00	1.11E+00	8.36E-01	1.76E+00	1.76E-01	3.89E+00	1.11E+00	9.57E-05	1.93E-02	5.13E-03	1.13E+00
1978	494911.06	3859401.99	1.05E+00	7.80E-05	1.89E-02	5.08E-03	1.07E+00	1.10E+00	7.97E-01	1.72E+00	1.74E-01	3.79E+00	1.09E+00	9.12E-05	1.89E-02	5.08E-03	1.12E+00
1979	494961.06	3859401.99	1.04E+00	7.77E-05	1.85E-02	5.04E-03	1.06E+00	1.08E+00	7.94E-01	1.68E+00	1.72E-01	3.73E+00	1.08E+00	9.09E-05	1.85E-02	5.04E-03	1.10E+00
1980	495011.06	3859401.99	1.02E+00	7.73E-05	1.80E-02	5.02E-03	1.05E+00	1.07E+00	7.90E-01	1.64E+00	1.72E-01	3.67E+00	1.07E+00	9.05E-05	1.80E-02	5.02E-03	1.09E+00
1981	495061.06	3859401.99	1.01E+00	7.65E-05	1.76E-02	5.04E-03	1.04E+00	1.06E+00	7.82E-01	1.60E+00	1.73E-01	3.62E+00	1.06E+00	8.95E-05	1.76E-02	5.04E-03	1.08E+00
1982	495111.06	3859401.99	9.96E-01	7.44E-05	1.71E-02	5.04E-03	1.02E+00	1.04E+00	7.61E-01	1.56E+00	1.72E-01	3.53E+00	1.04E+00	8.71E-05	1.71E-02	5.04E-03	1.06E+00
1983	495161.06	3859401.99	9.88E-01	7.54E-05	1.67E-02	5.03E-03	1.01E+00	1.03E+00	7.71E-01	1.52E+00	1.72E-01	3.50E+00	1.03E+00	8.83E-05	1.67E-02	5.03E-03	1.05E+00
1984	495211.06	3859401.99	9.85E-01	7.59E-05	1.64E-02	5.03E-03	1.01E+00	1.03E+00	7.76E-01	1.50E+00	1.72E-01	3.47E+00	1.03E+00	8.88E-05	1.64E-02	5.03E-03	1.05E+00
1985	495261.06	3859401.99	9.80E-01	7.54E-05	1.61E-02	5.01E-03	1.00E+00	1.02E+00	7.70E-01	1.47E+00	1.71E-01	3.43E+00	1.02E+00	8.82E-05	1.61E-02	5.01E-03	1.04E+00
1986	495311.06	3859401.99	9.75E-01	7.46E-05	1.58E-02	4.97E-03	9.96E-01	1.02E+00	7.62E-01	1.44E+00	1.70E-01	3.39E+00	1.02E+00	8.73E-05	1.58E-02	4.97E-03	1.04E+00
1987	495361.06	3859401.99	9.81E-01	7.54E-05	1.60E-02	4.97E-03	1.00E+00	1.02E+00	7.70E-01	1.46E+00	1.70E-01	3.42E+00	1.02E+00	8.82E-05	1.60E-02	4.97E-03	1.04E+00
1988	495411.06	3859401.99	9.74E-01	7.52E-05	1.62E-02	4.95E-03	9.95E-01	1.02E+00	7.68E-01	1.48E+00	1.69E-01	3.43E+00	1.01E+00	8.80E-05	1.62E-02	4.95E-03	1.04E+00
1989	495461.06	3859401.99	9.57E-01	7.41E-05	1.63E-02	4.91E-03	9.78E-01	9.98E-01	7.57E-01	1.49E+00	1.68E-01	3.41E+00	9.96E-01	8.67E-05	1.63E-02	4.91E-03	1.02E+00
1990	495511.06	3859401.99	9.35E-01	7.21E-05	1.63E-02	4.85E-03	9.56E-01	9.76E-01	7.37E-01	1.48E+00	1.66E-01	3.36E+00	9.74E-01	8.44E-05	1.63E-02	4.85E-03	9.95E-01
1991	495561.06	3859401.99	9.09E-01	6.97E-05	1.63E-02	4.76E-03	9.30E-01	9.48E-01	7.12E-01	1.48E+00	1.63E-01	3.31E+00	9.46E-01	8.15E-05	1.63E-02	4.76E-03	9.68E-01
1992	495611.06	3859401.99	8.93E-01	6.89E-05	1.63E-02	4.72E-03	9.14E-01	9.32E-01	7.04E-01	1.49E+00	1.61E-01	3.29E+00	9.30E-01	8.06E-05	1.63E-02	4.72E-03	9.51E-01
1993	495661.06	3859401.99	8.86E-01	6.83E-05	1.63E-02	4.69E-03	9.07E-01	9.25E-01	6.97E-01	1.49E+00	1.60E-01	3.27E+00	9.23E-01	7.99E-05	1.63E-02	4.69E-03	9.44E-01
1994	494311.06	3859451.99	1.32E+00	1.39E-04	1.99E-02	5.72E-03	1.35E+00	1.38E+00	1.42E+00	1.81E+00	1.96E-01	4.81E+00	1.38E+00	1.63E-04	1.99E-02	5.72E-03	1.40E+00
1995	494361.06	3859451.99	1.29E+00	1.32E-04	1.98E-02	5.69E-03	1.31E+00	1.34E+00	1.35E+00	1.80E+00	1.94E-01	4.69E+00	1.34E+00	1.54E-04	1.98E-02	5.69E-03	1.37E+00
1996	494411.06	3859451.99	1.27E+00	1.24E-04	1.96E-02	5.63E-03	1.30E+00	1.33E+00	1.26E+00	1.79E+00	1.93E-01	4.57E+00	1.32E+00	1.45E-04	1.96E-02	5.63E-03	1.35E+00
1997	494461.06	3859451.99	1.26E+00	1.23E-04	1.97E-02	5.61E-03	1.29E+00	1.32E+00	1.25E+00	1.79E+00	1.92E-01	4.56E+00	1.32E+00	1.43E-04	1.97E-02	5.61E-03	1.34E+00
1998	494511.06	3859451.99	1.25E+00	1.18E-04	1.98E-02	5.60E-03	1.28E+00	1.31E+00	1.21E+00	1.80E+00	1.91E-01	4.51E+00	1.31E+00	1.38E-04	1.98E-02	5.60E-03	1.33E+00
1999	494561.06	3859451.99	1.22E+00	1.15E-04	1.99E-02	5.58E-03	1.25E+00	1.28E+00	1.18E+00	1.81E+00	1.91E-01	4.45E+00	1.27E+00	1.35E-04	1.99E-02	5.58E-03	1.30E+00
2000	494611.06	3859451.99	1.21E+00	1.14E-04	2.00E-02	5.57E-03	1.23E+00	1.26E+00	1.16E+00	1.82E+00	1.91E-01	4.44E+00	1.26E+00	1.33E-04	2.00E-02	5.57E-03	1.28E+00
2001	494661.06	3859451.99	1.20E+00	1.08E-04	2.00E-02	5.54E-03	1.22E+00	1.25E+00	1.11E+00	1.83E+00	1.90E-01	4.37E+00	1.25E+00	1.27E-04	2.00E-02	5.54E-03	1.27E+00
2002	494711.06	3859451.99	1.18E+00	1.04E-04	2.01E-02	5.51E-03	1.21E+00	1.23E+00	1.06E+00	1.83E+00	1.88E-01	4.31E+00	1.23E+00	1.21E-04	2.01E-02	5.51E-03	1.26E+00
2003	494761.06	3859451.99	1.16E+00	1.00E-04	2.01E-02	5.48E-03	1.18E+00	1.21E+00	1.02E+00	1.83E+00	1.88E-01	4.25E+00	1.20E+00	1.17E-04	2.01E-02	5.48E-03	1.23E+00
2004	494811.06	3859451.99	1.12E+00	9.47E-05	1.97E-02	5.37E-03	1.14E+00	1.16E+00	9.68E-01	1.80E+00	1.84E-01	4.11E+00	1.16E+00	1.11E-04	1.97E-02	5.37E-03	1.19E+00
2005	494861.06	3859451.99	1.10E+00	9.07E-05	1.94E-02	5.31E-03	1.12E+00	1.14E+00	9.27E-01	1.77E+00	1.82E-01	4.02E+00	1.14E+00	1.06E-04	1.94E-02	5.31E-03	1.17E+00
2006	494911.06	3859451.99	1.08E+00	8.88E-05	1.93E-02	5.26E-03	1.11E+00	1.13E+00	9.07E-01	1.76E+00	1.80E-01	3.98E+00	1.13E+00	1.04E-04	1.93E-02	5.26E-03	1.15E+00
2007	494961.06	3859451.99	1.08E+00	8.82E-05	1.92E-02	5.22E-03	1.11E+00	1.13E+00	9.01E-01	1.75E+00	1.78E-01	3.96E+00	1.13E+00	1.03E-04	1.92E-02	5.22E-03	1.15E+00
2008	495011.06	3859451.99	1.07E+00	8.68E-05	1.90E-02	5.16E-03	1.10E+00	1.12E+00	8.87E-01	1.73E+00	1.76E-01	3.92E+00	1.12E+00	1.02E-04	1.90E-02	5.16E-03	1.14E+00
2009	495061.06	3859451.99	1.07E+00	8.54E-05	1.89E-02	5.10E-03	1.09E+00	1.11E+00	8.73E-01	1.72E+00	1.75E-01	3.88E+00	1.11E+00	1.00E-04	1.89E-02	5.10E-03	1.13E+00

2010	495111.06	3859451.99	1.05E+00	8.38E-05	1.85E-02	5.04E-03	1.07E+00	1.09E+00	8.56E-01	1.69E+00	1.72E-01	3.81E+00	1.09E+00	9.80E-05	1.85E-02	5.04E-03	1.11E+00
2011	495161.06	3859451.99	1.03E+00	8.34E-05	1.82E-02	5.02E-03	1.06E+00	1.08E+00	8.53E-01	1.66E+00	1.72E-01	3.76E+00	1.08E+00	9.76E-05	1.82E-02	5.02E-03	1.10E+00
2012	495211.06	3859451.99	1.03E+00	8.35E-05	1.78E-02	5.01E-03	1.05E+00	1.07E+00	8.53E-01	1.62E+00	1.71E-01	3.72E+00	1.07E+00	9.77E-05	1.78E-02	5.01E-03	1.09E+00
2013	495261.06	3859451.99	1.02E+00	8.34E-05	1.74E-02	5.04E-03	1.04E+00	1.06E+00	8.52E-01	1.59E+00	1.72E-01	3.68E+00	1.06E+00	9.75E-05	1.74E-02	5.04E-03	1.09E+00
2014	495311.06	3859451.99	1.01E+00	8.22E-05	1.70E-02	5.00E-03	1.03E+00	1.05E+00	8.39E-01	1.55E+00	1.71E-01	3.61E+00	1.05E+00	9.61E-05	1.70E-02	5.00E-03	1.07E+00
2015	495361.06	3859451.99	1.01E+00	8.19E-05	1.66E-02	4.97E-03	1.03E+00	1.05E+00	8.37E-01	1.51E+00	1.70E-01	3.57E+00	1.05E+00	9.59E-05	1.66E-02	4.97E-03	1.07E+00
2016	495411.06	3859451.99	9.98E-01	8.12E-05	1.61E-02	4.92E-03	1.02E+00	1.04E+00	8.30E-01	1.47E+00	1.68E-01	3.51E+00	1.04E+00	9.50E-05	1.61E-02	4.92E-03	1.06E+00
2017	495461.06	3859451.99	9.94E-01	8.06E-05	1.58E-02	4.88E-03	1.01E+00	1.04E+00	8.23E-01	1.44E+00	1.67E-01	3.47E+00	1.03E+00	9.43E-05	1.58E-02	4.88E-03	1.06E+00
2018	495511.06	3859451.99	9.78E-01	7.76E-05	1.55E-02	4.81E-03	9.98E-01	1.02E+00	7.92E-01	1.41E+00	1.65E-01	3.39E+00	1.02E+00	9.07E-05	1.55E-02	4.81E-03	1.04E+00
2019	495561.06	3859451.99	9.64E-01	7.62E-05	1.53E-02	4.78E-03	9.84E-01	1.01E+00	7.78E-01	1.40E+00	1.64E-01	3.34E+00	1.00E+00	8.91E-05	1.53E-02	4.78E-03	1.02E+00
2020	495611.06	3859451.99	9.48E-01	7.48E-05	1.53E-02	4.75E-03	9.68E-01	9.89E-01	7.64E-01	1.39E+00	1.62E-01	3.31E+00	9.87E-01	8.75E-05	1.53E-02	4.75E-03	1.01E+00
2021	495661.06	3859451.99	9.33E-01	7.37E-05	1.54E-02	4.72E-03	9.53E-01	9.74E-01	7.53E-01	1.40E+00	1.61E-01	3.29E+00	9.72E-01	8.63E-05	1.54E-02	4.72E-03	9.92E-01
2022	494311.06	3859501.99	1.39E+00	1.50E-04	1.93E-02	5.70E-03	1.41E+00	1.45E+00	1.53E+00	1.76E+00	1.95E-01	4.93E+00	1.44E+00	1.76E-04	1.93E-02	5.70E-03	1.47E+00
2023	494361.06	3859501.99	1.36E+00	1.43E-04	1.92E-02	5.67E-03	1.38E+00	1.42E+00	1.46E+00	1.75E+00	1.94E-01	4.83E+00	1.41E+00	1.68E-04	1.92E-02	5.67E-03	1.44E+00
2024	494411.06	3859501.99	1.31E+00	1.30E-04	1.91E-02	5.63E-03	1.34E+00	1.37E+00	1.33E+00	1.74E+00	1.93E-01	4.63E+00	1.37E+00	1.52E-04	1.91E-02	5.63E-03	1.39E+00
2025	494461.06	3859501.99	1.28E+00	1.33E-04	1.91E-02	5.57E-03	1.30E+00	1.33E+00	1.36E+00	1.75E+00	1.91E-01	4.63E+00	1.33E+00	1.56E-04	1.91E-02	5.57E-03	1.36E+00
2026	494511.06	3859501.99	1.26E+00	1.28E-04	1.91E-02	5.55E-03	1.28E+00	1.31E+00	1.30E+00	1.74E+00	1.90E-01	4.55E+00	1.31E+00	1.49E-04	1.91E-02	5.55E-03	1.33E+00
2027	494561.06	3859501.99	1.25E+00	1.24E-04	1.90E-02	5.51E-03	1.27E+00	1.30E+00	1.26E+00	1.73E+00	1.88E-01	4.49E+00	1.30E+00	1.45E-04	1.90E-02	5.51E-03	1.33E+00
2028	494611.06	3859501.99	1.25E+00	1.26E-04	1.89E-02	5.48E-03	1.27E+00	1.30E+00	1.29E+00	1.72E+00	1.88E-01	4.50E+00	1.30E+00	1.48E-04	1.89E-02	5.48E-03	1.32E+00
2029	494661.06	3859501.99	1.22E+00	1.20E-04	1.89E-02	5.47E-03	1.25E+00	1.28E+00	1.23E+00	1.72E+00	1.87E-01	4.42E+00	1.28E+00	1.41E-04	1.89E-02	5.47E-03	1.30E+00
2030	494711.06	3859501.99	1.19E+00	1.12E-04	1.89E-02	5.41E-03	1.22E+00	1.24E+00	1.14E+00	1.73E+00	1.85E-01	4.30E+00	1.24E+00	1.31E-04	1.89E-02	5.41E-03	1.27E+00
2031	494761.06	3859501.99	1.19E+00	1.12E-04	1.91E-02	5.39E-03	1.21E+00	1.24E+00	1.15E+00	1.74E+00	1.84E-01	4.31E+00	1.24E+00	1.31E-04	1.91E-02	5.39E-03	1.26E+00
2032	494811.06	3859501.99	1.16E+00	1.01E-04	1.91E-02	5.30E-03	1.19E+00	1.22E+00	1.04E+00	1.74E+00	1.81E-01	4.17E+00	1.21E+00	1.19E-04	1.91E-02	5.30E-03	1.24E+00
2033	494861.06	3859501.99	1.15E+00	9.94E-05	1.92E-02	5.26E-03	1.17E+00	1.20E+00	1.02E+00	1.75E+00	1.80E-01	4.14E+00	1.20E+00	1.16E-04	1.92E-02	5.26E-03	1.22E+00
2034	494911.06	3859501.99	1.12E+00	9.86E-05	1.93E-02	5.23E-03	1.15E+00	1.17E+00	1.01E+00	1.76E+00	1.79E-01	4.12E+00	1.17E+00	1.15E-04	1.93E-02	5.23E-03	1.19E+00
2035	494961.06	3859501.99	1.10E+00	9.47E-05	1.93E-02	5.19E-03	1.12E+00	1.14E+00	9.68E-01	1.76E+00	1.77E-01	4.05E+00	1.14E+00	1.11E-04	1.93E-02	5.19E-03	1.17E+00
2036	495011.06	3859501.99	1.09E+00	9.44E-05	1.90E-02	5.16E-03	1.11E+00	1.14E+00	9.64E-01	1.73E+00	1.76E-01	4.01E+00	1.13E+00	1.10E-04	1.90E-02	5.16E-03	1.16E+00
2037	495061.06	3859501.99	1.09E+00	9.42E-05	1.88E-02	5.13E-03	1.11E+00	1.14E+00	9.63E-01	1.71E+00	1.76E-01	3.98E+00	1.13E+00	1.10E-04	1.88E-02	5.13E-03	1.16E+00
2038	495111.06	3859501.99	1.08E+00	9.16E-05	1.87E-02	5.11E-03	1.10E+00	1.12E+00	9.36E-01	1.70E+00	1.75E-01	3.94E+00	1.12E+00	1.07E-04	1.87E-02	5.11E-03	1.15E+00
2039	495161.06	3859501.99	1.07E+00	9.14E-05	1.86E-02	5.09E-03	1.10E+00	1.12E+00	9.33E-01	1.69E+00	1.74E-01	3.92E+00	1.12E+00	1.07E-04	1.86E-02	5.09E-03	1.14E+00
2040	495211.06	3859501.99	1.07E+00	9.23E-05	1.84E-02	5.08E-03	1.10E+00	1.12E+00	9.43E-01	1.68E+00	1.74E-01	3.92E+00	1.12E+00	1.08E-04	1.84E-02	5.08E-03	1.14E+00
2041	495261.06	3859501.99	1.06E+00	9.18E-05	1.83E-02	5.06E-03	1.09E+00	1.11E+00	9.38E-01	1.67E+00	1.73E-01	3.89E+00	1.11E+00	1.07E-04	1.83E-02	5.06E-03	1.13E+00
2042	495311.06	3859501.99	1.05E+00	9.20E-05	1.83E-02	5.04E-03	1.07E+00	1.09E+00	9.39E-01	1.67E+00	1.72E-01	3.87E+00	1.09E+00	1.08E-04	1.83E-02	5.04E-03	1.11E+00
2043	495361.06	3859501.99	1.04E+00	9.10E-05	1.79E-02	5.02E-03	1.06E+00	1.08E+00	9.29E-01	1.63E+00	1.72E-01	3.81E+00	1.08E+00	1.06E-04	1.79E-02	5.02E-03	1.10E+00
2044	495411.06	3859501.99	1.03E+00	9.01E-05	1.75E-02	5.02E-03	1.05E+00	1.07E+00	9.20E-01	1.60E+00	1.72E-01	3.76E+00	1.07E+00	1.05E-04	1.75E-02	5.02E-03	1.09E+00
2045	495461.06	3859501.99	1.02E+00	8.82E-05	1.72E-02	4.97E-03	1.04E+00	1.06E+00	9.01E-01	1.57E+00	1.70E-01	3.70E+00	1.06E+00	1.03E-04	1.72E-02	4.97E-03	1.08E+00
2046	495511.06	3859501.99	1.00E+00	8.23E-05	1.67E-02	4.90E-03	1.02E+00	1.05E+00	8.41E-01	1.53E+00	1.68E-01	3.58E+00	1.04E+00	9.63E-05	1.67E-02	4.90E-03	1.07E+00
2047	495561.06	3859501.99	9.97E-01	8.34E-05	1.63E-02	4.85E-03	1.02E+00	1.04E+00	8.53E-01	1.49E+00	1.66E-01	3.55E+00	1.04E+00	9.76E-05	1.63E-02	4.85E-03	1.06E+00
2048	495611.06	3859501.99	9.89E-01	8.18E-05	1.59E-02	4.80E-03	1.01E+00	1.03E+00	8.36E-01	1.45E+00	1.64E-01	3.48E+00	1.03E+00	9.57E-05	1.59E-02	4.80E-03	1.05E+00
2049	495661.06	3859501.99	9.76E-01	8.01E-05	1.55E-02	4.74E-03	9.96E-01	1.02E+00	8.18E-01	1.41E+00	1.62E-01	3.41E+00	1.02E+00	9.37E-05	1.55E-02	4.74E-03	1.04E+00
2050	494311.06	3859551.99	1.41E+00	1.58E-04	1.80E-02	5.53E-03	1.43E+00	1.47E+00	1.62E+00	1.64E+00	1.89E-01	4.92E+00	1.46E+00	1.85E-04	1.80E-02	5.53E-03	1.49E+00
2051	494361.06	3859551.99	1.40E+00	1.48E-04	1.80E-02	5.51E-03	1.42E+00	1.46E+00	1.51E+00	1.65E+00	1.88E-01	4.80E+00	1.45E+00	1.73E-04	1.80E-02	5.51E-03	1.48E+00
2052	494411.06	3859551.99	1.37E+00	1.34E-04	1.81E-02	5.46E-03	1.40E+00	1.43E+00	1.37E+00	1.65E+00	1.87E-01	4.64E+00	1.43E+00	1.57E-04	1.81E-02	5.46E-03	1.45E+00
2053	494461.06	3859551.99	1.35E+00	1.41E-04	1.83E-02	5.45E-03	1.37E+00	1.41E+00	1.44E+00	1.67E+00	1.86E-01	4.70E+00	1.41E+00	1.65E-04	1.83E-02	5.45E-03	1.43E+00
2054	494511.06	3859551.99	1.31E+00	1.35E-04	1.84E-02	5.42E-03	1.34E+00	1.37E+00	1.38E+00	1.68E+00	1.85E-01	4.62E+00	1.37E+00	1.58E-04	1.84E-02	5.42E-03	1.39E+00
2055	494561.06	3859551.99	1.28E+00	1.32E-04	1.85E-02	5.38E-03	1.30E+00	1.33E+00	1.35E+00	1.69E+00	1.84E-01	4.55E+00	1.33E+00	1.55E-04	1.85E-02	5.38E-03	1.35E+00
2056	494611.06	3859551.99	1.25E+00	1.32E-04	1.84E-02	5.34E-03	1.27E+00	1.30E+00	1.35E+00	1.68E+00	1.83E-01	4.52E+00	1.30E+00	1.55E-04	1.84E-02	5.34E-03	1.32E+00
2057	494661.06	3859551.99	1.24E+00	1.31E-04	1.84E-02	5.31E-03	1.26E+00	1.29E+00	1.33E+00	1.68E+00	1.82E-01	4.48E+00	1.29E+00	1.53E-04	1.84E-02	5.31E-03	1.31E+00
2058	494711.06	3859551.99	1.22E+00	1.17E-04	1.83E-02	5.25E-03	1.24E+00	1.27E+00	1.20E+00	1.67E+00	1.80E-01	4.31E+00	1.27E+00	1.37E-04	1.83E-02	5.25E-03	1.29E+00
2059	494761.06	3859551.99	1.22E+00	1.22E-04	1.83E-02	5.25E-03	1.24E+00	1.27E+00	1.25E+00	1.67E+00	1.80E-01	4.37E+00	1.27E+00	1.43E-04	1.83E-02	5.25E-03	1.30E+00
2060	494811.06	3859551.99	1.19E+00	1.14E-04	1.82E-02	5.23E-03	1.21E+00	1.24E+00	1.16E+00	1.66E+00	1.79E-01	4.24E+00	1.24E+00	1.33E-04	1.82E-02	5.23E-03	1.26E+00
2061	494861.06	3859551.99	1.17E+00	1.11E-04	1.81E-02	5.21E-03	1.19E+00	1.22E+00	1.13E+00	1.65E+00	1.78E-01	4.18E+00	1.22E+00	1.30E-04	1.81E-02	5.21E-03	1.24E+00
2062	494911.06	3859551.99	1.16E+00	1.07E-04	1.82E-02	5.18E-03	1.18E+00	1.21E+00	1.09E+00	1.66E+00	1.77E-01	4.14E+00	1.21E+00	1.25E-04	1.82E-02	5.18E-03	1.23E+00
2063	494961.06	3859551.99	1.16E+00	1.06E-04	1.83E-02	5.15E-03	1.18E+00	1.21E+00	1.08E+00	1.67E+00	1.76E-01	4.13E+00	1.20E+00	1.24E-04	1.83E-02	5.15E-03	1.23E+00
2064	495011.06	3859551.99	1.14E+00	1.06E-04	1.84E-02	5.12E-03	1.16E+00	1.19E+00	1.08E+00	1.68E+00	1.75E-01	4.12E+00	1.19E+00	1.24E-04	1.84E-02	5.12E-03	1.21E+00
2065	495061.06	3859551.99	1.11E+00	1.04E-04	1.85E-02	5.09E-03	1.13E+00	1.16E+00	1.06E+00	1.68E+00	1.74E-01	4.08E+00	1.16E+00	1.22E-04	1.85E-02	5.09E-03	1.18E+00
2066	495111.06	3859551.99	1.09E+00	1.01E-04	1.85E-02	5.08E-03	1.12E+00	1.14E+00	1.03E+00	1.69E+00	1.74E-01	4.04E+00	1.14E+00	1.18E-04	1.85E-02	5.08E-03	1.16E+00
2067	495161.06	3859551.99	1.09E+00	1.01E-04	1.86E-02	5.05E-03	1.11E+00	1.14E+00	1.03E+00	1.70E+00	1.73E-01	4.05E+00	1.14E+00	1.19E-04	1.86E-02	5.05E-03	1.16E+00
2068	495211.06	3859551.99	1.09E+00	1.03E-04	1.85E-02	5.04E-03	1.12E+00	1.14E+00	1.05E+00	1.69E+00	1.72E-01	4.05E+00	1.14E+00	1.20E-04	1.85E-02	5.04E-03	1.16E+00
2069	495261.06	3859551.99	1.09E+00	1.01E-04	1.82E-02	5.01E-03	1.11E+00	1.13E+00	1.03E+00	1.66E+00	1.71E-01	3.99E+00	1.13E+00	1.18E-04	1.82E-02	5.01E-03	1.15E+00
2070	495311.06	3859551.99	1.08E+00	1.00E-04	1.81E-02	4.99E-03	1.11E+00	1.13E+00	1.02E+00	1.65E+00	1.71E-01	3.97E+00	1.13E+00	1.17E-04	1.81E-02	4.99E-03	1.15E+00

2071	495361.06	3859551.99	1.07E+00	9.97E-05	1.80E-02	4.97E-03	1.09E+00	1.12E+00	1.02E+00	1.64E+00	1.70E-01	3.95E+00	1.11E+00	1.17E-04	1.80E-02	4.97E-03	1.14E+00
2072	495411.06	3859551.99	1.06E+00	9.95E-05	1.79E-02	4.96E-03	1.08E+00	1.11E+00	1.02E+00	1.63E+00	1.70E-01	3.93E+00	1.11E+00	1.16E-04	1.79E-02	4.96E-03	1.13E+00
2073	495461.06	3859551.99	1.04E+00	9.62E-05	1.78E-02	4.92E-03	1.06E+00	1.09E+00	9.83E-01	1.62E+00	1.68E-01	3.86E+00	1.08E+00	1.13E-04	1.78E-02	4.92E-03	1.11E+00
2074	495511.06	3859551.99	1.03E+00	9.29E-05	1.76E-02	4.88E-03	1.05E+00	1.07E+00	9.49E-01	1.61E+00	1.67E-01	3.79E+00	1.07E+00	1.09E-04	1.76E-02	4.88E-03	1.09E+00
2075	495561.06	3859551.99	1.02E+00	9.17E-05	1.75E-02	4.88E-03	1.04E+00	1.06E+00	9.37E-01	1.60E+00	1.67E-01	3.76E+00	1.06E+00	1.07E-04	1.75E-02	4.88E-03	1.08E+00
2076	495611.06	3859551.99	1.01E+00	8.99E-05	1.72E-02	4.88E-03	1.03E+00	1.06E+00	9.18E-01	1.57E+00	1.67E-01	3.71E+00	1.05E+00	1.05E-04	1.72E-02	4.88E-03	1.08E+00
2077	495661.06	3859551.99	1.00E+00	8.79E-05	1.68E-02	4.83E-03	1.02E+00	1.05E+00	8.98E-01	1.53E+00	1.65E-01	3.64E+00	1.04E+00	1.03E-04	1.68E-02	4.83E-03	1.07E+00
2078	494311.06	3859601.99	1.36E+00	1.68E-04	1.77E-02	5.49E-03	1.39E+00	1.42E+00	1.71E+00	1.62E+00	1.88E-01	4.94E+00	1.42E+00	1.96E-04	1.77E-02	5.49E-03	1.44E+00
2079	494361.06	3859601.99	1.36E+00	1.50E-04	1.77E-02	5.47E-03	1.39E+00	1.42E+00	1.53E+00	1.62E+00	1.87E-01	4.76E+00	1.42E+00	1.76E-04	1.77E-02	5.47E-03	1.44E+00
2080	494411.06	3859601.99	1.37E+00	1.44E-04	1.75E-02	5.45E-03	1.39E+00	1.43E+00	1.47E+00	1.60E+00	1.86E-01	4.69E+00	1.43E+00	1.69E-04	1.75E-02	5.45E-03	1.45E+00
2081	494461.06	3859601.99	1.38E+00	1.49E-04	1.74E-02	5.43E-03	1.40E+00	1.44E+00	1.52E+00	1.59E+00	1.86E-01	4.73E+00	1.44E+00	1.74E-04	1.74E-02	5.43E-03	1.46E+00
2082	494511.06	3859601.99	1.36E+00	1.40E-04	1.73E-02	5.38E-03	1.39E+00	1.42E+00	1.44E+00	1.58E+00	1.84E-01	4.62E+00	1.42E+00	1.64E-04	1.73E-02	5.38E-03	1.44E+00
2083	494561.06	3859601.99	1.35E+00	1.43E-04	1.74E-02	5.36E-03	1.37E+00	1.41E+00	1.46E+00	1.59E+00	1.83E-01	4.64E+00	1.40E+00	1.67E-04	1.74E-02	5.36E-03	1.43E+00
2084	494611.06	3859601.99	1.32E+00	1.44E-04	1.75E-02	5.34E-03	1.34E+00	1.37E+00	1.47E+00	1.60E+00	1.83E-01	4.62E+00	1.37E+00	1.68E-04	1.75E-02	5.34E-03	1.39E+00
2085	494661.06	3859601.99	1.28E+00	1.33E-04	1.76E-02	5.31E-03	1.30E+00	1.33E+00	1.36E+00	1.60E+00	1.82E-01	4.47E+00	1.33E+00	1.55E-04	1.76E-02	5.31E-03	1.35E+00
2086	494711.06	3859601.99	1.24E+00	1.26E-04	1.77E-02	5.27E-03	1.26E+00	1.30E+00	1.29E+00	1.61E+00	1.80E-01	4.38E+00	1.29E+00	1.47E-04	1.77E-02	5.27E-03	1.32E+00
2087	494761.06	3859601.99	1.23E+00	1.36E-04	1.78E-02	5.28E-03	1.25E+00	1.28E+00	1.38E+00	1.63E+00	1.80E-01	4.47E+00	1.28E+00	1.59E-04	1.78E-02	5.28E-03	1.30E+00
2088	494811.06	3859601.99	1.21E+00	1.26E-04	1.77E-02	5.24E-03	1.23E+00	1.26E+00	1.29E+00	1.62E+00	1.79E-01	4.34E+00	1.26E+00	1.47E-04	1.77E-02	5.24E-03	1.28E+00
2089	494861.06	3859601.99	1.21E+00	1.24E-04	1.76E-02	5.22E-03	1.23E+00	1.26E+00	1.27E+00	1.61E+00	1.79E-01	4.31E+00	1.26E+00	1.45E-04	1.76E-02	5.22E-03	1.28E+00
2090	494911.06	3859601.99	1.19E+00	1.17E-04	1.76E-02	5.18E-03	1.21E+00	1.24E+00	1.20E+00	1.60E+00	1.77E-01	4.22E+00	1.24E+00	1.37E-04	1.76E-02	5.18E-03	1.26E+00
2091	494961.06	3859601.99	1.17E+00	1.22E-04	1.76E-02	5.18E-03	1.20E+00	1.23E+00	1.24E+00	1.61E+00	1.77E-01	4.25E+00	1.22E+00	1.42E-04	1.76E-02	5.18E-03	1.25E+00
2092	495011.06	3859601.99	1.16E+00	1.16E-04	1.76E-02	5.14E-03	1.18E+00	1.21E+00	1.19E+00	1.60E+00	1.76E-01	4.17E+00	1.20E+00	1.36E-04	1.76E-02	5.14E-03	1.23E+00
2093	495061.06	3859601.99	1.16E+00	1.17E-04	1.75E-02	5.13E-03	1.18E+00	1.21E+00	1.19E+00	1.59E+00	1.76E-01	4.17E+00	1.20E+00	1.37E-04	1.75E-02	5.13E-03	1.23E+00
2094	495111.06	3859601.99	1.15E+00	1.13E-04	1.75E-02	5.11E-03	1.17E+00	1.20E+00	1.16E+00	1.60E+00	1.75E-01	4.13E+00	1.19E+00	1.33E-04	1.75E-02	5.11E-03	1.22E+00
2095	495161.06	3859601.99	1.12E+00	1.14E-04	1.76E-02	5.09E-03	1.15E+00	1.17E+00	1.16E+00	1.61E+00	1.74E-01	4.12E+00	1.17E+00	1.33E-04	1.76E-02	5.09E-03	1.19E+00
2096	495211.06	3859601.99	1.10E+00	1.12E-04	1.77E-02	5.07E-03	1.12E+00	1.15E+00	1.14E+00	1.62E+00	1.74E-01	4.08E+00	1.14E+00	1.31E-04	1.77E-02	5.07E-03	1.17E+00
2097	495261.06	3859601.99	1.09E+00	1.11E-04	1.78E-02	5.06E-03	1.12E+00	1.14E+00	1.14E+00	1.63E+00	1.73E-01	4.08E+00	1.14E+00	1.30E-04	1.78E-02	5.06E-03	1.16E+00
2098	495311.06	3859601.99	1.09E+00	1.12E-04	1.79E-02	5.04E-03	1.12E+00	1.14E+00	1.14E+00	1.63E+00	1.72E-01	4.09E+00	1.14E+00	1.31E-04	1.79E-02	5.04E-03	1.16E+00
2099	495361.06	3859601.99	1.09E+00	1.10E-04	1.80E-02	5.02E-03	1.11E+00	1.14E+00	1.12E+00	1.64E+00	1.72E-01	4.08E+00	1.13E+00	1.29E-04	1.80E-02	5.02E-03	1.16E+00
2100	495411.06	3859601.99	1.08E+00	1.10E-04	1.81E-02	5.01E-03	1.11E+00	1.13E+00	1.12E+00	1.65E+00	1.71E-01	4.07E+00	1.13E+00	1.29E-04	1.81E-02	5.01E-03	1.15E+00
2101	495461.06	3859601.99	1.07E+00	1.05E-04	1.77E-02	4.97E-03	1.10E+00	1.12E+00	1.07E+00	1.61E+00	1.70E-01	3.97E+00	1.12E+00	1.22E-04	1.77E-02	4.97E-03	1.14E+00
2102	495511.06	3859601.99	1.06E+00	1.01E-04	1.74E-02	4.93E-03	1.08E+00	1.10E+00	1.03E+00	1.59E+00	1.69E-01	3.89E+00	1.10E+00	1.18E-04	1.74E-02	4.93E-03	1.12E+00
2103	495561.06	3859601.99	1.05E+00	1.01E-04	1.74E-02	4.92E-03	1.07E+00	1.09E+00	1.04E+00	1.59E+00	1.68E-01	3.89E+00	1.09E+00	1.19E-04	1.74E-02	4.92E-03	1.11E+00
2104	495611.06	3859601.99	1.03E+00	9.71E-05	1.72E-02	4.88E-03	1.05E+00	1.07E+00	9.92E-01	1.57E+00	1.67E-01	3.80E+00	1.07E+00	1.14E-04	1.72E-02	4.88E-03	1.09E+00
2105	495661.06	3859601.99	1.02E+00	9.67E-05	1.71E-02	4.88E-03	1.04E+00	1.06E+00	9.88E-01	1.56E+00	1.67E-01	3.78E+00	1.06E+00	1.13E-04	1.71E-02	4.88E-03	1.08E+00
2106	494311.06	3859651.99	1.36E+00	1.73E-04	1.70E-02	5.40E-03	1.38E+00	1.42E+00	1.77E+00	1.55E+00	1.85E-01	4.93E+00	1.42E+00	2.03E-04	1.70E-02	5.40E-03	1.44E+00
2107	494361.06	3859651.99	1.34E+00	1.59E-04	1.69E-02	5.38E-03	1.36E+00	1.40E+00	1.63E+00	1.54E+00	1.84E-01	4.75E+00	1.40E+00	1.86E-04	1.69E-02	5.38E-03	1.42E+00
2108	494411.06	3859651.99	1.33E+00	1.56E-04	1.71E-02	5.38E-03	1.35E+00	1.39E+00	1.59E+00	1.56E+00	1.84E-01	4.72E+00	1.39E+00	1.82E-04	1.71E-02	5.38E-03	1.41E+00
2109	494461.06	3859651.99	1.34E+00	1.59E-04	1.71E-02	5.39E-03	1.36E+00	1.40E+00	1.63E+00	1.56E+00	1.84E-01	4.76E+00	1.39E+00	1.86E-04	1.71E-02	5.39E-03	1.42E+00
2110	494511.06	3859651.99	1.34E+00	1.55E-04	1.71E-02	5.39E-03	1.36E+00	1.40E+00	1.59E+00	1.56E+00	1.84E-01	4.73E+00	1.40E+00	1.82E-04	1.71E-02	5.39E-03	1.42E+00
2111	494561.06	3859651.99	1.35E+00	1.54E-04	1.72E-02	5.38E-03	1.38E+00	1.41E+00	1.57E+00	1.57E+00	1.84E-01	4.74E+00	1.41E+00	1.80E-04	1.72E-02	5.38E-03	1.43E+00
2112	494611.06	3859651.99	1.36E+00	1.52E-04	1.70E-02	5.35E-03	1.38E+00	1.42E+00	1.56E+00	1.55E+00	1.83E-01	4.71E+00	1.41E+00	1.78E-04	1.70E-02	5.35E-03	1.44E+00
2113	494661.06	3859651.99	1.34E+00	1.40E-04	1.68E-02	5.31E-03	1.36E+00	1.39E+00	1.43E+00	1.54E+00	1.81E-01	4.54E+00	1.39E+00	1.63E-04	1.68E-02	5.31E-03	1.41E+00
2114	494711.06	3859651.99	1.31E+00	1.39E-04	1.68E-02	5.28E-03	1.33E+00	1.37E+00	1.42E+00	1.53E+00	1.81E-01	4.50E+00	1.36E+00	1.62E-04	1.68E-02	5.28E-03	1.39E+00
2115	494761.06	3859651.99	1.28E+00	1.40E-04	1.69E-02	5.26E-03	1.30E+00	1.33E+00	1.43E+00	1.54E+00	1.80E-01	4.48E+00	1.33E+00	1.64E-04	1.69E-02	5.26E-03	1.35E+00
2116	494811.06	3859651.99	1.25E+00	1.36E-04	1.69E-02	5.25E-03	1.27E+00	1.30E+00	1.39E+00	1.54E+00	1.79E-01	4.41E+00	1.30E+00	1.59E-04	1.69E-02	5.25E-03	1.32E+00
2117	494861.06	3859651.99	1.22E+00	1.36E-04	1.70E-02	5.24E-03	1.24E+00	1.27E+00	1.39E+00	1.55E+00	1.79E-01	4.38E+00	1.27E+00	1.59E-04	1.70E-02	5.24E-03	1.29E+00
2118	494911.06	3859651.99	1.20E+00	1.34E-04	1.71E-02	5.23E-03	1.22E+00	1.25E+00	1.36E+00	1.56E+00	1.79E-01	4.35E+00	1.25E+00	1.56E-04	1.71E-02	5.23E-03	1.27E+00
2119	494961.06	3859651.99	1.20E+00	1.33E-04	1.71E-02	5.22E-03	1.22E+00	1.25E+00	1.36E+00	1.56E+00	1.78E-01	4.35E+00	1.25E+00	1.55E-04	1.71E-02	5.22E-03	1.27E+00
2120	495011.06	3859651.99	1.19E+00	1.31E-04	1.72E-02	5.19E-03	1.21E+00	1.24E+00	1.33E+00	1.57E+00	1.78E-01	4.32E+00	1.24E+00	1.53E-04	1.72E-02	5.19E-03	1.26E+00
2121	495061.06	3859651.99	1.18E+00	1.30E-04	1.71E-02	5.16E-03	1.20E+00	1.23E+00	1.33E+00	1.56E+00	1.76E-01	4.29E+00	1.23E+00	1.52E-04	1.71E-02	5.16E-03	1.25E+00
2122	495111.06	3859651.99	1.16E+00	1.27E-04	1.70E-02	5.12E-03	1.18E+00	1.21E+00	1.29E+00	1.55E+00	1.75E-01	4.23E+00	1.21E+00	1.48E-04	1.70E-02	5.12E-03	1.23E+00
2123	495161.06	3859651.99	1.15E+00	1.25E-04	1.70E-02	5.09E-03	1.17E+00	1.20E+00	1.28E+00	1.55E+00	1.74E-01	4.20E+00	1.20E+00	1.46E-04	1.70E-02	5.09E-03	1.22E+00
2124	495211.06	3859651.99	1.15E+00	1.25E-04	1.70E-02	5.05E-03	1.17E+00	1.20E+00	1.28E+00	1.55E+00	1.73E-01	4.20E+00	1.20E+00	1.46E-04	1.70E-02	5.05E-03	1.22E+00
2125	495261.06	3859651.99	1.14E+00	1.23E-04	1.69E-02	5.02E-03	1.16E+00	1.19E+00	1.26E+00	1.54E+00	1.72E-01	4.16E+00	1.18E+00	1.44E-04	1.69E-02	5.02E-03	1.21E+00
2126	495311.06	3859651.99	1.11E+00	1.22E-04	1.69E-02	5.00E-03	1.13E+00	1.16E+00	1.25E+00	1.54E+00	1.71E-01	4.12E+00	1.16E+00	1.43E-04	1.69E-02	5.00E-03	1.18E+00
2127	495361.06	3859651.99	1.09E+00	1.21E-04	1.71E-02	4.98E-03	1.11E+00	1.14E+00	1.24E+00	1.56E+00	1.70E-01	4.10E+00	1.14E+00	1.42E-04	1.71E-02	4.98E-03	1.16E+00
2128	495411.06	3859651.99	1.09E+00	1.19E-04	1.72E-02	4.96E-03	1.11E+00	1.14E+00	1.22E+00	1.57E+00	1.70E-01	4.09E+00	1.13E+00	1.40E-04	1.72E-02	4.96E-03	1.16E+00
2129	495461.06	3859651.99	1.08E+00	1.14E-04	1.73E-02	4.93E-03	1.11E+00	1.13E+00	1.16E+00	1.58E+00	1.69E-01	4.04E+00	1.13E+00	1.33E-04	1.73E-02	4.93E-03	1.15E+00
2130	495511.06	3859651.99	1.08E+00	1.11E-04	1.74E-02	4.91E-03	1.10E+00	1.12E+00	1.13E+00	1.58E+00	1.68E-01	4.01E+00	1.12E+00	1.30E-04	1.74E-02	4.91E-03	1.14E+00
2131	495561.06	3859651.99	1.07E+00	1.10E-04	1.75E-02	4.89E-03	1.09E+00	1.11E+00	1.13E+00	1.60E+00	1.67E-01	4.00E+00	1.11E+00	1.29E-04	1.75E-02	4.89E-03	1.13E+00

2132	495611.06	3859651.99	1.06E+00	1.08E-04	1.76E-02	4.86E-03	1.08E+00	1.10E+00	1.10E+00	1.61E+00	1.66E-01	3.98E+00	1.10E+00	1.26E-04	1.76E-02	4.86E-03	1.13E+00
2133	495661.06	3859651.99	1.05E+00	1.05E-04	1.74E-02	4.83E-03	1.07E+00	1.10E+00	1.07E+00	1.58E+00	1.65E-01	3.92E+00	1.09E+00	1.23E-04	1.74E-02	4.83E-03	1.12E+00
2134	494311.06	3859701.99	1.35E+00	1.66E-04	1.65E-02	5.36E-03	1.37E+00	1.41E+00	1.70E+00	1.51E+00	1.83E-01	4.80E+00	1.41E+00	1.95E-04	1.65E-02	5.36E-03	1.43E+00
2135	494361.06	3859701.99	1.35E+00	1.64E-04	1.65E-02	5.35E-03	1.37E+00	1.41E+00	1.67E+00	1.51E+00	1.83E-01	4.77E+00	1.41E+00	1.91E-04	1.65E-02	5.35E-03	1.43E+00
2136	494411.06	3859701.99	1.35E+00	1.65E-04	1.66E-02	5.33E-03	1.37E+00	1.41E+00	1.68E+00	1.51E+00	1.82E-01	4.78E+00	1.40E+00	1.93E-04	1.66E-02	5.33E-03	1.43E+00
2137	494461.06	3859701.99	1.33E+00	1.71E-04	1.66E-02	5.33E-03	1.35E+00	1.39E+00	1.74E+00	1.51E+00	1.82E-01	4.83E+00	1.39E+00	2.00E-04	1.66E-02	5.33E-03	1.41E+00
2138	494511.06	3859701.99	1.31E+00	1.68E-04	1.65E-02	5.33E-03	1.33E+00	1.37E+00	1.71E+00	1.51E+00	1.82E-01	4.77E+00	1.37E+00	1.96E-04	1.65E-02	5.33E-03	1.39E+00
2139	494561.06	3859701.99	1.31E+00	1.66E-04	1.65E-02	5.33E-03	1.33E+00	1.37E+00	1.70E+00	1.50E+00	1.82E-01	4.75E+00	1.37E+00	1.95E-04	1.65E-02	5.33E-03	1.39E+00
2140	494611.06	3859701.99	1.31E+00	1.64E-04	1.67E-02	5.32E-03	1.33E+00	1.36E+00	1.68E+00	1.52E+00	1.82E-01	4.75E+00	1.36E+00	1.92E-04	1.67E-02	5.32E-03	1.38E+00
2141	494661.06	3859701.99	1.32E+00	1.52E-04	1.65E-02	5.30E-03	1.34E+00	1.38E+00	1.55E+00	1.50E+00	1.81E-01	4.62E+00	1.38E+00	1.78E-04	1.65E-02	5.30E-03	1.40E+00
2142	494711.06	3859701.99	1.33E+00	1.54E-04	1.66E-02	5.30E-03	1.35E+00	1.39E+00	1.57E+00	1.52E+00	1.81E-01	4.66E+00	1.39E+00	1.80E-04	1.66E-02	5.30E-03	1.41E+00
2143	494761.06	3859701.99	1.33E+00	1.49E-04	1.67E-02	5.27E-03	1.35E+00	1.38E+00	1.52E+00	1.52E+00	1.80E-01	4.61E+00	1.38E+00	1.75E-04	1.67E-02	5.27E-03	1.40E+00
2144	494811.06	3859701.99	1.31E+00	1.44E-04	1.64E-02	5.23E-03	1.33E+00	1.37E+00	1.48E+00	1.50E+00	1.79E-01	4.52E+00	1.36E+00	1.69E-04	1.64E-02	5.23E-03	1.39E+00
2145	494861.06	3859701.99	1.28E+00	1.47E-04	1.63E-02	5.21E-03	1.30E+00	1.33E+00	1.50E+00	1.49E+00	1.78E-01	4.50E+00	1.33E+00	1.72E-04	1.63E-02	5.21E-03	1.35E+00
2146	494911.06	3859701.99	1.25E+00	1.43E-04	1.63E-02	5.18E-03	1.27E+00	1.30E+00	1.46E+00	1.49E+00	1.77E-01	4.43E+00	1.30E+00	1.68E-04	1.63E-02	5.18E-03	1.32E+00
2147	494961.06	3859701.99	1.22E+00	1.40E-04	1.64E-02	5.16E-03	1.24E+00	1.27E+00	1.43E+00	1.49E+00	1.76E-01	4.37E+00	1.27E+00	1.64E-04	1.64E-02	5.16E-03	1.29E+00
2148	495011.06	3859701.99	1.19E+00	1.41E-04	1.64E-02	5.15E-03	1.22E+00	1.25E+00	1.44E+00	1.50E+00	1.76E-01	4.36E+00	1.24E+00	1.65E-04	1.64E-02	5.15E-03	1.27E+00
2149	495061.06	3859701.99	1.18E+00	1.40E-04	1.64E-02	5.14E-03	1.20E+00	1.23E+00	1.43E+00	1.50E+00	1.76E-01	4.34E+00	1.23E+00	1.63E-04	1.64E-02	5.14E-03	1.25E+00
2150	495111.06	3859701.99	1.18E+00	1.38E-04	1.65E-02	5.13E-03	1.21E+00	1.24E+00	1.41E+00	1.51E+00	1.76E-01	4.33E+00	1.23E+00	1.62E-04	1.65E-02	5.13E-03	1.25E+00
2151	495161.06	3859701.99	1.17E+00	1.36E-04	1.66E-02	5.10E-03	1.19E+00	1.22E+00	1.39E+00	1.51E+00	1.75E-01	4.30E+00	1.22E+00	1.60E-04	1.66E-02	5.10E-03	1.24E+00
2152	495211.06	3859701.99	1.16E+00	1.34E-04	1.66E-02	5.07E-03	1.18E+00	1.21E+00	1.37E+00	1.51E+00	1.73E-01	4.27E+00	1.20E+00	1.57E-04	1.66E-02	5.07E-03	1.23E+00
2153	495261.06	3859701.99	1.15E+00	1.36E-04	1.66E-02	5.04E-03	1.17E+00	1.20E+00	1.39E+00	1.51E+00	1.72E-01	4.27E+00	1.19E+00	1.60E-04	1.66E-02	5.04E-03	1.22E+00
2154	495311.06	3859701.99	1.14E+00	1.34E-04	1.65E-02	5.00E-03	1.16E+00	1.19E+00	1.37E+00	1.50E+00	1.71E-01	4.23E+00	1.19E+00	1.57E-04	1.65E-02	5.00E-03	1.21E+00
2155	495361.06	3859701.99	1.14E+00	1.31E-04	1.64E-02	4.96E-03	1.16E+00	1.19E+00	1.34E+00	1.50E+00	1.70E-01	4.20E+00	1.18E+00	1.54E-04	1.64E-02	4.96E-03	1.21E+00
2156	495411.06	3859701.99	1.12E+00	1.27E-04	1.64E-02	4.93E-03	1.14E+00	1.16E+00	1.30E+00	1.50E+00	1.69E-01	4.13E+00	1.16E+00	1.49E-04	1.64E-02	4.93E-03	1.18E+00
2157	495461.06	3859701.99	1.09E+00	1.25E-04	1.64E-02	4.91E-03	1.11E+00	1.14E+00	1.27E+00	1.50E+00	1.68E-01	4.08E+00	1.14E+00	1.46E-04	1.64E-02	4.91E-03	1.16E+00
2158	495511.06	3859701.99	1.07E+00	1.18E-04	1.63E-02	4.86E-03	1.09E+00	1.12E+00	1.20E+00	1.49E+00	1.66E-01	3.98E+00	1.12E+00	1.38E-04	1.63E-02	4.86E-03	1.14E+00
2159	495561.06	3859701.99	1.08E+00	1.20E-04	1.65E-02	4.85E-03	1.10E+00	1.12E+00	1.22E+00	1.51E+00	1.66E-01	4.02E+00	1.12E+00	1.40E-04	1.65E-02	4.85E-03	1.14E+00
2160	495611.06	3859701.99	1.07E+00	1.18E-04	1.67E-02	4.83E-03	1.09E+00	1.12E+00	1.20E+00	1.52E+00	1.65E-01	4.00E+00	1.11E+00	1.38E-04	1.67E-02	4.83E-03	1.14E+00
2161	495661.06	3859701.99	1.06E+00	1.14E-04	1.68E-02	4.80E-03	1.09E+00	1.11E+00	1.17E+00	1.53E+00	1.64E-01	3.97E+00	1.11E+00	1.34E-04	1.68E-02	4.80E-03	1.13E+00
2162	494311.06	3859751.99	1.29E+00	1.85E-04	1.60E-02	5.35E-03	1.31E+00	1.35E+00	1.89E+00	1.46E+00	1.83E-01	4.88E+00	1.35E+00	2.17E-04	1.60E-02	5.35E-03	1.37E+00
2163	494361.06	3859751.99	1.30E+00	1.82E-04	1.61E-02	5.34E-03	1.32E+00	1.36E+00	1.86E+00	1.46E+00	1.83E-01	4.87E+00	1.36E+00	2.13E-04	1.61E-02	5.34E-03	1.38E+00
2164	494411.06	3859751.99	1.32E+00	1.77E-04	1.61E-02	5.33E-03	1.34E+00	1.38E+00	1.81E+00	1.46E+00	1.82E-01	4.83E+00	1.38E+00	2.07E-04	1.61E-02	5.33E-03	1.40E+00
2165	494461.06	3859751.99	1.32E+00	1.81E-04	1.60E-02	5.30E-03	1.34E+00	1.38E+00	1.85E+00	1.46E+00	1.81E-01	4.87E+00	1.38E+00	2.12E-04	1.60E-02	5.30E-03	1.40E+00
2166	494511.06	3859751.99	1.32E+00	1.82E-04	1.61E-02	5.28E-03	1.35E+00	1.38E+00	1.86E+00	1.47E+00	1.81E-01	4.89E+00	1.38E+00	2.13E-04	1.61E-02	5.28E-03	1.40E+00
2167	494561.06	3859751.99	1.32E+00	1.79E-04	1.61E-02	5.27E-03	1.34E+00	1.37E+00	1.83E+00	1.47E+00	1.80E-01	4.85E+00	1.37E+00	2.09E-04	1.61E-02	5.27E-03	1.39E+00
2168	494611.06	3859751.99	1.30E+00	1.73E-04	1.61E-02	5.26E-03	1.32E+00	1.36E+00	1.77E+00	1.46E+00	1.80E-01	4.77E+00	1.35E+00	2.03E-04	1.61E-02	5.26E-03	1.37E+00
2169	494661.06	3859751.99	1.29E+00	1.64E-04	1.60E-02	5.27E-03	1.31E+00	1.34E+00	1.68E+00	1.46E+00	1.80E-01	4.67E+00	1.34E+00	1.92E-04	1.60E-02	5.27E-03	1.36E+00
2170	494711.06	3859751.99	1.28E+00	1.66E-04	1.60E-02	5.24E-03	1.31E+00	1.34E+00	1.70E+00	1.46E+00	1.79E-01	4.68E+00	1.34E+00	1.95E-04	1.60E-02	5.24E-03	1.36E+00
2171	494761.06	3859751.99	1.29E+00	1.65E-04	1.60E-02	5.24E-03	1.31E+00	1.34E+00	1.69E+00	1.46E+00	1.79E-01	4.67E+00	1.34E+00	1.93E-04	1.60E-02	5.24E-03	1.36E+00
2172	494811.06	3859751.99	1.30E+00	1.62E-04	1.62E-02	5.24E-03	1.33E+00	1.36E+00	1.65E+00	1.48E+00	1.79E-01	4.67E+00	1.36E+00	1.89E-04	1.62E-02	5.24E-03	1.38E+00
2173	494861.06	3859751.99	1.31E+00	1.59E-04	1.61E-02	5.23E-03	1.33E+00	1.37E+00	1.63E+00	1.47E+00	1.79E-01	4.64E+00	1.36E+00	1.86E-04	1.61E-02	5.23E-03	1.39E+00
2174	494911.06	3859751.99	1.30E+00	1.57E-04	1.62E-02	5.20E-03	1.32E+00	1.36E+00	1.61E+00	1.48E+00	1.78E-01	4.62E+00	1.36E+00	1.84E-04	1.62E-02	5.20E-03	1.38E+00
2175	494961.06	3859751.99	1.27E+00	1.56E-04	1.62E-02	5.17E-03	1.30E+00	1.33E+00	1.59E+00	1.48E+00	1.77E-01	4.57E+00	1.33E+00	1.82E-04	1.62E-02	5.17E-03	1.35E+00
2176	495011.06	3859751.99	1.24E+00	1.53E-04	1.60E-02	5.13E-03	1.26E+00	1.30E+00	1.57E+00	1.46E+00	1.76E-01	4.50E+00	1.29E+00	1.79E-04	1.60E-02	5.13E-03	1.32E+00
2177	495061.06	3859751.99	1.22E+00	1.53E-04	1.59E-02	5.12E-03	1.24E+00	1.27E+00	1.56E+00	1.45E+00	1.75E-01	4.45E+00	1.27E+00	1.78E-04	1.59E-02	5.12E-03	1.29E+00
2178	495111.06	3859751.99	1.19E+00	1.50E-04	1.58E-02	5.11E-03	1.21E+00	1.24E+00	1.54E+00	1.45E+00	1.75E-01	4.40E+00	1.24E+00	1.76E-04	1.58E-02	5.11E-03	1.26E+00
2179	495161.06	3859751.99	1.17E+00	1.47E-04	1.59E-02	5.10E-03	1.19E+00	1.22E+00	1.50E+00	1.45E+00	1.75E-01	4.34E+00	1.22E+00	1.72E-04	1.59E-02	5.10E-03	1.24E+00
2180	495211.06	3859751.99	1.17E+00	1.44E-04	1.59E-02	5.09E-03	1.19E+00	1.22E+00	1.47E+00	1.45E+00	1.74E-01	4.32E+00	1.22E+00	1.68E-04	1.59E-02	5.09E-03	1.24E+00
2181	495261.06	3859751.99	1.16E+00	1.43E-04	1.60E-02	5.08E-03	1.18E+00	1.21E+00	1.46E+00	1.46E+00	1.74E-01	4.31E+00	1.21E+00	1.68E-04	1.60E-02	5.08E-03	1.23E+00
2182	495311.06	3859751.99	1.15E+00	1.42E-04	1.60E-02	5.04E-03	1.17E+00	1.20E+00	1.45E+00	1.46E+00	1.73E-01	4.28E+00	1.20E+00	1.66E-04	1.60E-02	5.04E-03	1.22E+00
2183	495361.06	3859751.99	1.14E+00	1.40E-04	1.60E-02	5.01E-03	1.16E+00	1.19E+00	1.43E+00	1.46E+00	1.71E-01	4.26E+00	1.19E+00	1.64E-04	1.60E-02	5.01E-03	1.21E+00
2184	495411.06	3859751.99	1.13E+00	1.39E-04	1.61E-02	4.97E-03	1.15E+00	1.18E+00	1.42E+00	1.47E+00	1.70E-01	4.23E+00	1.18E+00	1.62E-04	1.61E-02	4.97E-03	1.20E+00
2185	495461.06	3859751.99	1.12E+00	1.36E-04	1.61E-02	4.95E-03	1.15E+00	1.17E+00	1.39E+00	1.46E+00	1.69E-01	4.20E+00	1.17E+00	1.59E-04	1.61E-02	4.95E-03	1.19E+00
2186	495511.06	3859751.99	1.12E+00	1.33E-04	1.60E-02	4.92E-03	1.14E+00	1.17E+00	1.35E+00	1.46E+00	1.68E-01	4.15E+00	1.16E+00	1.55E-04	1.60E-02	4.92E-03	1.18E+00
2187	495561.06	3859751.99	1.09E+00	1.31E-04	1.59E-02	4.89E-03	1.11E+00	1.14E+00	1.34E+00	1.45E+00	1.67E-01	4.09E+00	1.14E+00	1.53E-04	1.59E-02	4.89E-03	1.16E+00
2188	495611.06	3859751.99	1.07E+00	1.28E-04	1.59E-02	4.86E-03	1.09E+00	1.12E+00	1.31E+00	1.45E+00	1.66E-01	4.05E+00	1.12E+00	1.50E-04	1.59E-02	4.86E-03	1.14E+00
2189	495661.06	3859751.99	1.07E+00	1.27E-04	1.60E-02	4.84E-03	1.09E+00	1.11E+00	1.30E+00	1.46E+00	1.65E-01	4.04E+00	1.11E+00	1.49E-04	1.60E-02	4.84E-03	1.13E+00
2190	494311.06	3859801.99	1.30E+00	2.00E-04	1.48E-02	5.22E-03	1.32E+00	1.36E+00	2.04E+00	1.35E+00	1.79E-01	4.92E+00	1.35E+00	2.33E-04	1.48E-02	5.22E-03	1.37E+00
2191	494361.06	3859801.99	1.28E+00	1.94E-04	1.50E-02	5.22E-03	1.30E+00	1.33E+00	1.98E+00	1.37E+00	1.79E-01	4.86E+00	1.33E+00	2.26E-04	1.50E-02	5.22E-03	1.35E+00
2192	494411.06	3859801.99	1.26E+00	1.87E-04	1.53E-02	5.25E-03	1.28E+00	1.32E+00	1.91E+00	1.39E+00	1.80E-01	4.80E+00	1.32E+00	2.19E-04	1.53E-02	5.25E-03	1.34E+00

2193	494461.06	3859801.99	1.26E+00	1.90E-04	1.55E-02	5.23E-03	1.28E+00	1.32E+00	1.94E+00	1.41E+00	1.79E-01	4.85E+00	1.32E+00	2.22E-04	1.55E-02	5.23E-03	1.34E+00
2194	494511.06	3859801.99	1.28E+00	1.94E-04	1.57E-02	5.19E-03	1.30E+00	1.34E+00	1.98E+00	1.43E+00	1.77E-01	4.92E+00	1.33E+00	2.27E-04	1.57E-02	5.19E-03	1.35E+00
2195	494561.06	3859801.99	1.29E+00	1.91E-04	1.57E-02	5.23E-03	1.31E+00	1.35E+00	1.95E+00	1.43E+00	1.79E-01	4.91E+00	1.34E+00	2.24E-04	1.57E-02	5.23E-03	1.37E+00
2196	494611.06	3859801.99	1.30E+00	1.83E-04	1.56E-02	5.25E-03	1.32E+00	1.35E+00	1.87E+00	1.43E+00	1.80E-01	4.83E+00	1.35E+00	2.14E-04	1.56E-02	5.25E-03	1.37E+00
2197	494661.06	3859801.99	1.30E+00	1.80E-04	1.56E-02	5.24E-03	1.32E+00	1.36E+00	1.84E+00	1.43E+00	1.79E-01	4.80E+00	1.36E+00	2.10E-04	1.56E-02	5.24E-03	1.38E+00
2198	494711.06	3859801.99	1.29E+00	1.75E-04	1.56E-02	5.22E-03	1.31E+00	1.35E+00	1.78E+00	1.42E+00	1.78E-01	4.73E+00	1.35E+00	2.04E-04	1.56E-02	5.22E-03	1.37E+00
2199	494761.06	3859801.99	1.27E+00	1.79E-04	1.55E-02	5.21E-03	1.29E+00	1.33E+00	1.82E+00	1.42E+00	1.78E-01	4.75E+00	1.32E+00	2.09E-04	1.55E-02	5.21E-03	1.34E+00
2200	494811.06	3859801.99	1.26E+00	1.75E-04	1.55E-02	5.19E-03	1.28E+00	1.32E+00	1.79E+00	1.41E+00	1.78E-01	4.70E+00	1.32E+00	2.05E-04	1.55E-02	5.19E-03	1.34E+00
2201	494861.06	3859801.99	1.26E+00	1.74E-04	1.56E-02	5.18E-03	1.28E+00	1.31E+00	1.78E+00	1.42E+00	1.77E-01	4.69E+00	1.31E+00	2.03E-04	1.56E-02	5.18E-03	1.33E+00
2202	494911.06	3859801.99	1.27E+00	1.70E-04	1.56E-02	5.16E-03	1.29E+00	1.33E+00	1.73E+00	1.42E+00	1.76E-01	4.66E+00	1.32E+00	1.98E-04	1.56E-02	5.16E-03	1.34E+00
2203	494961.06	3859801.99	1.28E+00	1.68E-04	1.56E-02	5.15E-03	1.31E+00	1.34E+00	1.71E+00	1.42E+00	1.76E-01	4.65E+00	1.34E+00	1.96E-04	1.56E-02	5.15E-03	1.36E+00
2204	495011.06	3859801.99	1.28E+00	1.66E-04	1.58E-02	5.14E-03	1.31E+00	1.34E+00	1.69E+00	1.44E+00	1.76E-01	4.65E+00	1.34E+00	1.94E-04	1.58E-02	5.14E-03	1.36E+00
2205	495061.06	3859801.99	1.27E+00	1.65E-04	1.57E-02	5.12E-03	1.29E+00	1.33E+00	1.68E+00	1.43E+00	1.75E-01	4.61E+00	1.32E+00	1.93E-04	1.57E-02	5.12E-03	1.34E+00
2206	495111.06	3859801.99	1.24E+00	1.62E-04	1.58E-02	5.09E-03	1.26E+00	1.29E+00	1.65E+00	1.44E+00	1.74E-01	4.56E+00	1.29E+00	1.89E-04	1.58E-02	5.09E-03	1.31E+00
2207	495161.06	3859801.99	1.21E+00	1.58E-04	1.57E-02	5.07E-03	1.23E+00	1.27E+00	1.62E+00	1.43E+00	1.73E-01	4.49E+00	1.26E+00	1.85E-04	1.57E-02	5.07E-03	1.29E+00
2208	495211.06	3859801.99	1.19E+00	1.57E-04	1.56E-02	5.05E-03	1.21E+00	1.24E+00	1.60E+00	1.42E+00	1.73E-01	4.43E+00	1.24E+00	1.83E-04	1.56E-02	5.05E-03	1.26E+00
2209	495261.06	3859801.99	1.16E+00	1.53E-04	1.54E-02	5.03E-03	1.18E+00	1.21E+00	1.57E+00	1.41E+00	1.72E-01	4.36E+00	1.21E+00	1.79E-04	1.54E-02	5.03E-03	1.23E+00
2210	495311.06	3859801.99	1.15E+00	1.52E-04	1.54E-02	5.01E-03	1.17E+00	1.20E+00	1.55E+00	1.40E+00	1.71E-01	4.33E+00	1.20E+00	1.78E-04	1.54E-02	5.01E-03	1.22E+00
2211	495361.06	3859801.99	1.15E+00	1.49E-04	1.54E-02	4.99E-03	1.17E+00	1.20E+00	1.52E+00	1.41E+00	1.71E-01	4.30E+00	1.20E+00	1.75E-04	1.54E-02	4.99E-03	1.22E+00
2212	495411.06	3859801.99	1.14E+00	1.45E-04	1.55E-02	4.96E-03	1.16E+00	1.19E+00	1.48E+00	1.41E+00	1.70E-01	4.26E+00	1.19E+00	1.70E-04	1.55E-02	4.96E-03	1.21E+00
2213	495461.06	3859801.99	1.13E+00	1.43E-04	1.55E-02	4.94E-03	1.15E+00	1.18E+00	1.46E+00	1.41E+00	1.69E-01	4.22E+00	1.18E+00	1.67E-04	1.55E-02	4.94E-03	1.20E+00
2214	495511.06	3859801.99	1.12E+00	1.39E-04	1.55E-02	4.91E-03	1.14E+00	1.17E+00	1.42E+00	1.42E+00	1.68E-01	4.17E+00	1.17E+00	1.62E-04	1.55E-02	4.91E-03	1.19E+00
2215	495561.06	3859801.99	1.11E+00	1.38E-04	1.55E-02	4.89E-03	1.13E+00	1.16E+00	1.41E+00	1.41E+00	1.67E-01	4.15E+00	1.16E+00	1.61E-04	1.55E-02	4.89E-03	1.18E+00
2216	495611.06	3859801.99	1.11E+00	1.39E-04	1.56E-02	4.88E-03	1.13E+00	1.16E+00	1.42E+00	1.42E+00	1.67E-01	4.17E+00	1.16E+00	1.63E-04	1.56E-02	4.88E-03	1.18E+00
2217	495661.06	3859801.99	1.10E+00	1.36E-04	1.56E-02	4.85E-03	1.12E+00	1.15E+00	1.39E+00	1.43E+00	1.66E-01	4.13E+00	1.14E+00	1.59E-04	1.56E-02	4.85E-03	1.17E+00
2218	494311.06	3859851.99	1.26E+00	2.07E-04	1.41E-02	5.08E-03	1.28E+00	1.32E+00	2.12E+00	1.28E+00	1.74E-01	4.89E+00	1.32E+00	2.43E-04	1.41E-02	5.08E-03	1.34E+00
2219	494361.06	3859851.99	1.28E+00	2.04E-04	1.40E-02	5.06E-03	1.30E+00	1.33E+00	2.08E+00	1.27E+00	1.73E-01	4.86E+00	1.33E+00	2.38E-04	1.40E-02	5.06E-03	1.35E+00
2220	494411.06	3859851.99	1.28E+00	1.99E-04	1.40E-02	5.04E-03	1.30E+00	1.34E+00	2.04E+00	1.28E+00	1.73E-01	4.83E+00	1.34E+00	2.33E-04	1.40E-02	5.04E-03	1.36E+00
2221	494461.06	3859851.99	1.26E+00	1.97E-04	1.43E-02	5.05E-03	1.28E+00	1.31E+00	2.02E+00	1.30E+00	1.73E-01	4.81E+00	1.31E+00	2.31E-04	1.43E-02	5.05E-03	1.33E+00
2222	494511.06	3859851.99	1.24E+00	2.00E-04	1.46E-02	5.07E-03	1.26E+00	1.29E+00	2.04E+00	1.33E+00	1.73E-01	4.84E+00	1.29E+00	2.34E-04	1.46E-02	5.07E-03	1.31E+00
2223	494561.06	3859851.99	1.22E+00	2.02E-04	1.48E-02	5.06E-03	1.24E+00	1.28E+00	2.06E+00	1.35E+00	1.73E-01	4.86E+00	1.28E+00	2.36E-04	1.48E-02	5.06E-03	1.30E+00
2224	494611.06	3859851.99	1.25E+00	1.93E-04	1.51E-02	5.12E-03	1.27E+00	1.30E+00	1.97E+00	1.38E+00	1.75E-01	4.82E+00	1.30E+00	2.26E-04	1.51E-02	5.12E-03	1.32E+00
2225	494661.06	3859851.99	1.26E+00	1.93E-04	1.53E-02	5.12E-03	1.29E+00	1.32E+00	1.98E+00	1.39E+00	1.75E-01	4.86E+00	1.32E+00	2.26E-04	1.53E-02	5.12E-03	1.34E+00
2226	494711.06	3859851.99	1.27E+00	1.87E-04	1.53E-02	5.19E-03	1.29E+00	1.33E+00	1.91E+00	1.39E+00	1.77E-01	4.80E+00	1.32E+00	2.19E-04	1.53E-02	5.19E-03	1.34E+00
2227	494761.06	3859851.99	1.27E+00	1.89E-04	1.53E-02	5.17E-03	1.29E+00	1.33E+00	1.93E+00	1.39E+00	1.77E-01	4.83E+00	1.32E+00	2.22E-04	1.53E-02	5.17E-03	1.34E+00
2228	494811.06	3859851.99	1.27E+00	1.86E-04	1.53E-02	5.16E-03	1.29E+00	1.33E+00	1.91E+00	1.39E+00	1.76E-01	4.80E+00	1.32E+00	2.18E-04	1.53E-02	5.16E-03	1.34E+00
2229	494861.06	3859851.99	1.26E+00	1.86E-04	1.52E-02	5.14E-03	1.28E+00	1.31E+00	1.90E+00	1.39E+00	1.76E-01	4.78E+00	1.31E+00	2.18E-04	1.52E-02	5.14E-03	1.33E+00
2230	494911.06	3859851.99	1.24E+00	1.82E-04	1.51E-02	5.13E-03	1.26E+00	1.30E+00	1.86E+00	1.38E+00	1.75E-01	4.71E+00	1.29E+00	2.13E-04	1.51E-02	5.13E-03	1.31E+00
2231	494961.06	3859851.99	1.23E+00	1.80E-04	1.50E-02	5.11E-03	1.25E+00	1.28E+00	1.84E+00	1.37E+00	1.75E-01	4.67E+00	1.28E+00	2.11E-04	1.50E-02	5.11E-03	1.30E+00
2232	495011.06	3859851.99	1.24E+00	1.78E-04	1.50E-02	5.09E-03	1.26E+00	1.29E+00	1.82E+00	1.37E+00	1.74E-01	4.65E+00	1.29E+00	2.08E-04	1.50E-02	5.09E-03	1.31E+00
2233	495061.06	3859851.99	1.25E+00	1.76E-04	1.52E-02	5.08E-03	1.27E+00	1.30E+00	1.80E+00	1.38E+00	1.74E-01	4.66E+00	1.30E+00	2.06E-04	1.52E-02	5.08E-03	1.32E+00
2234	495111.06	3859851.99	1.26E+00	1.72E-04	1.51E-02	5.06E-03	1.28E+00	1.32E+00	1.76E+00	1.38E+00	1.73E-01	4.63E+00	1.32E+00	2.01E-04	1.51E-02	5.06E-03	1.34E+00
2235	495161.06	3859851.99	1.26E+00	1.70E-04	1.52E-02	5.04E-03	1.28E+00	1.31E+00	1.74E+00	1.39E+00	1.72E-01	4.61E+00	1.31E+00	1.99E-04	1.52E-02	5.04E-03	1.33E+00
2236	495211.06	3859851.99	1.23E+00	1.68E-04	1.54E-02	5.03E-03	1.26E+00	1.29E+00	1.72E+00	1.40E+00	1.72E-01	4.58E+00	1.29E+00	1.97E-04	1.54E-02	5.03E-03	1.31E+00
2237	495261.06	3859851.99	1.21E+00	1.67E-04	1.52E-02	5.01E-03	1.23E+00	1.26E+00	1.70E+00	1.39E+00	1.71E-01	4.52E+00	1.26E+00	1.95E-04	1.52E-02	5.01E-03	1.28E+00
2238	495311.06	3859851.99	1.18E+00	1.66E-04	1.53E-02	5.00E-03	1.20E+00	1.23E+00	1.70E+00	1.40E+00	1.71E-01	4.50E+00	1.23E+00	1.94E-04	1.53E-02	5.00E-03	1.25E+00
2239	495361.06	3859851.99	1.16E+00	1.64E-04	1.53E-02	4.98E-03	1.18E+00	1.21E+00	1.68E+00	1.40E+00	1.70E-01	4.45E+00	1.21E+00	1.92E-04	1.53E-02	4.98E-03	1.23E+00
2240	495411.06	3859851.99	1.14E+00	1.60E-04	1.51E-02	4.96E-03	1.16E+00	1.19E+00	1.64E+00	1.38E+00	1.70E-01	4.37E+00	1.18E+00	1.88E-04	1.51E-02	4.96E-03	1.20E+00
2241	495461.06	3859851.99	1.13E+00	1.57E-04	1.50E-02	4.95E-03	1.15E+00	1.18E+00	1.60E+00	1.37E+00	1.69E-01	4.31E+00	1.18E+00	1.83E-04	1.50E-02	4.95E-03	1.20E+00
2242	495511.06	3859851.99	1.13E+00	1.52E-04	1.50E-02	4.93E-03	1.15E+00	1.18E+00	1.55E+00	1.36E+00	1.69E-01	4.26E+00	1.18E+00	1.78E-04	1.50E-02	4.93E-03	1.20E+00
2243	495561.06	3859851.99	1.12E+00	1.51E-04	1.50E-02	4.91E-03	1.14E+00	1.17E+00	1.54E+00	1.37E+00	1.68E-01	4.25E+00	1.17E+00	1.77E-04	1.50E-02	4.91E-03	1.19E+00
2244	495611.06	3859851.99	1.11E+00	1.49E-04	1.50E-02	4.90E-03	1.13E+00	1.16E+00	1.53E+00	1.37E+00	1.67E-01	4.23E+00	1.16E+00	1.75E-04	1.50E-02	4.90E-03	1.18E+00
2245	495661.06	3859851.99	1.10E+00	1.45E-04	1.51E-02	4.88E-03	1.12E+00	1.15E+00	1.48E+00	1.38E+00	1.67E-01	4.18E+00	1.15E+00	1.70E-04	1.51E-02	4.88E-03	1.17E+00
2246	494311.06	3859901.99	1.27E+00	2.12E-04	1.29E-02	4.93E-03	1.29E+00	1.33E+00	2.16E+00	1.18E+00	1.69E-01	4.84E+00	1.33E+00	2.48E-04	1.29E-02	4.93E-03	1.35E+00
2247	494361.06	3859901.99	1.25E+00	2.03E-04	1.34E-02	4.90E-03	1.27E+00	1.30E+00	2.07E+00	1.23E+00	1.68E-01	4.77E+00	1.30E+00	2.38E-04	1.34E-02	4.90E-03	1.32E+00
2248	494411.06	3859901.99	1.24E+00	2.03E-04	1.35E-02	4.88E-03	1.26E+00	1.30E+00	2.08E+00	1.23E+00	1.67E-01	4.77E+00	1.29E+00	2.38E-04	1.35E-02	4.88E-03	1.31E+00
2249	494461.06	3859901.99	1.25E+00	2.00E-04	1.36E-02	4.86E-03	1.27E+00	1.30E+00	2.05E+00	1.24E+00	1.66E-01	4.76E+00	1.30E+00	2.34E-04	1.36E-02	4.86E-03	1.32E+00
2250	494511.06	3859901.99	1.26E+00	2.02E-04	1.36E-02	4.84E-03	1.28E+00	1.31E+00	2.06E+00	1.24E+00	1.66E-01	4.78E+00	1.31E+00	2.36E-04	1.36E-02	4.84E-03	1.33E+00
2251	494561.06	3859901.99	1.23E+00	2.09E-04	1.34E-02	4.83E-03	1.25E+00	1.28E+00	2.13E+00	1.22E+00	1.65E-01	4.80E+00	1.28E+00	2.44E-04	1.34E-02	4.83E-03	1.30E+00
2252	494611.06	3859901.99	1.22E+00	1.99E-04	1.35E-02	4.88E-03	1.24E+00	1.27E+00	2.03E+00	1.23E+00	1.67E-01	4.70E+00	1.27E+00	2.33E-04	1.35E-02	4.88E-03	1.29E+00
2253	494661.06	3859901.99	1.20E+00	2.04E-04	1.36E-02	4.85E-03	1.21E+00	1.25E+00	2.09E+00	1.24E+00	1.66E-01	4.74E+00	1.25E+00	2.39E-04	1.36E-02	4.85E-03	1.26E+00

2254	494711.06	3859901.99	1.21E+00	1.96E-04	1.44E-02	4.90E-03	1.23E+00	1.26E+00	2.00E+00	1.31E+00	1.68E-01	4.74E+00	1.26E+00	2.29E-04	1.44E-02	4.90E-03	1.28E+00
2255	494761.06	3859901.99	1.22E+00	1.97E-04	1.47E-02	4.91E-03	1.24E+00	1.28E+00	2.01E+00	1.34E+00	1.68E-01	4.80E+00	1.28E+00	2.31E-04	1.47E-02	4.91E-03	1.30E+00
2256	494811.06	3859901.99	1.24E+00	1.99E-04	1.49E-02	4.89E-03	1.26E+00	1.29E+00	2.03E+00	1.36E+00	1.67E-01	4.84E+00	1.29E+00	2.32E-04	1.49E-02	4.89E-03	1.31E+00
2257	494861.06	3859901.99	1.23E+00	1.98E-04	1.49E-02	4.88E-03	1.25E+00	1.29E+00	2.02E+00	1.36E+00	1.67E-01	4.84E+00	1.29E+00	2.32E-04	1.49E-02	4.88E-03	1.31E+00
2258	494911.06	3859901.99	1.25E+00	1.94E-04	1.49E-02	4.93E-03	1.27E+00	1.30E+00	1.98E+00	1.36E+00	1.69E-01	4.81E+00	1.30E+00	2.26E-04	1.49E-02	4.93E-03	1.32E+00
2259	494961.06	3859901.99	1.24E+00	1.92E-04	1.49E-02	4.95E-03	1.26E+00	1.29E+00	1.96E+00	1.36E+00	1.69E-01	4.78E+00	1.29E+00	2.25E-04	1.49E-02	4.95E-03	1.31E+00
2260	495011.06	3859901.99	1.23E+00	1.89E-04	1.48E-02	4.95E-03	1.25E+00	1.28E+00	1.93E+00	1.35E+00	1.69E-01	4.73E+00	1.28E+00	2.21E-04	1.48E-02	4.95E-03	1.30E+00
2261	495061.06	3859901.99	1.22E+00	1.86E-04	1.47E-02	4.94E-03	1.24E+00	1.27E+00	1.90E+00	1.34E+00	1.69E-01	4.69E+00	1.27E+00	2.18E-04	1.47E-02	4.94E-03	1.29E+00
2262	495111.06	3859901.99	1.21E+00	1.82E-04	1.46E-02	4.94E-03	1.23E+00	1.26E+00	1.86E+00	1.33E+00	1.69E-01	4.63E+00	1.26E+00	2.13E-04	1.46E-02	4.94E-03	1.28E+00
2263	495161.06	3859901.99	1.22E+00	1.79E-04	1.45E-02	4.94E-03	1.24E+00	1.27E+00	1.83E+00	1.32E+00	1.69E-01	4.59E+00	1.27E+00	2.09E-04	1.45E-02	4.94E-03	1.29E+00
2264	495211.06	3859901.99	1.23E+00	1.78E-04	1.46E-02	4.93E-03	1.25E+00	1.28E+00	1.82E+00	1.33E+00	1.68E-01	4.60E+00	1.28E+00	2.08E-04	1.46E-02	4.93E-03	1.30E+00
2265	495261.06	3859901.99	1.24E+00	1.73E-04	1.47E-02	4.93E-03	1.26E+00	1.29E+00	1.77E+00	1.34E+00	1.69E-01	4.57E+00	1.29E+00	2.03E-04	1.47E-02	4.93E-03	1.31E+00
2266	495311.06	3859901.99	1.23E+00	1.73E-04	1.47E-02	4.92E-03	1.25E+00	1.28E+00	1.77E+00	1.34E+00	1.68E-01	4.56E+00	1.28E+00	2.02E-04	1.47E-02	4.92E-03	1.30E+00
2267	495361.06	3859901.99	1.20E+00	1.70E-04	1.48E-02	4.91E-03	1.22E+00	1.25E+00	1.74E+00	1.35E+00	1.68E-01	4.51E+00	1.25E+00	1.99E-04	1.48E-02	4.91E-03	1.27E+00
2268	495411.06	3859901.99	1.18E+00	1.67E-04	1.49E-02	4.90E-03	1.20E+00	1.23E+00	1.71E+00	1.36E+00	1.67E-01	4.47E+00	1.23E+00	1.96E-04	1.49E-02	4.90E-03	1.25E+00
2269	495461.06	3859901.99	1.16E+00	1.66E-04	1.48E-02	4.89E-03	1.18E+00	1.21E+00	1.69E+00	1.35E+00	1.67E-01	4.42E+00	1.20E+00	1.94E-04	1.48E-02	4.89E-03	1.22E+00
2270	495511.06	3859901.99	1.13E+00	1.66E-04	1.49E-02	4.87E-03	1.15E+00	1.18E+00	1.69E+00	1.36E+00	1.67E-01	4.40E+00	1.18E+00	1.94E-04	1.49E-02	4.87E-03	1.20E+00
2271	495561.06	3859901.99	1.11E+00	1.65E-04	1.49E-02	4.85E-03	1.13E+00	1.16E+00	1.69E+00	1.36E+00	1.66E-01	4.37E+00	1.16E+00	1.93E-04	1.49E-02	4.85E-03	1.18E+00
2272	495611.06	3859901.99	1.11E+00	1.62E-04	1.47E-02	4.85E-03	1.13E+00	1.16E+00	1.66E+00	1.34E+00	1.66E-01	4.32E+00	1.16E+00	1.90E-04	1.47E-02	4.85E-03	1.18E+00
2273	495661.06	3859901.99	1.10E+00	1.58E-04	1.46E-02	4.83E-03	1.12E+00	1.15E+00	1.61E+00	1.33E+00	1.65E-01	4.26E+00	1.15E+00	1.85E-04	1.46E-02	4.83E-03	1.17E+00
2274	494311.06	3859951.99	1.24E+00	2.25E-04	1.15E-02	4.91E-03	1.26E+00	1.29E+00	2.30E+00	1.05E+00	1.68E-01	4.81E+00	1.29E+00	2.64E-04	1.15E-02	4.91E-03	1.31E+00
2275	494361.06	3859951.99	1.22E+00	2.19E-04	1.15E-02	4.89E-03	1.24E+00	1.27E+00	2.24E+00	1.05E+00	1.67E-01	4.73E+00	1.27E+00	2.56E-04	1.15E-02	4.89E-03	1.29E+00
2276	494411.06	3859951.99	1.25E+00	2.15E-04	1.17E-02	4.85E-03	1.27E+00	1.31E+00	2.19E+00	1.07E+00	1.66E-01	4.74E+00	1.30E+00	2.51E-04	1.17E-02	4.85E-03	1.32E+00
2277	494461.06	3859951.99	1.22E+00	2.13E-04	1.24E-02	4.82E-03	1.24E+00	1.28E+00	2.18E+00	1.13E+00	1.65E-01	4.75E+00	1.28E+00	2.50E-04	1.24E-02	4.82E-03	1.29E+00
2278	494511.06	3859951.99	1.20E+00	2.14E-04	1.28E-02	4.81E-03	1.22E+00	1.26E+00	2.19E+00	1.17E+00	1.64E-01	4.78E+00	1.25E+00	2.51E-04	1.28E-02	4.81E-03	1.27E+00
2279	494561.06	3859951.99	1.17E+00	2.21E-04	1.31E-02	4.80E-03	1.18E+00	1.22E+00	2.26E+00	1.19E+00	1.64E-01	4.84E+00	1.21E+00	2.59E-04	1.31E-02	4.80E-03	1.23E+00
2280	494611.06	3859951.99	1.22E+00	2.12E-04	1.31E-02	4.77E-03	1.24E+00	1.27E+00	2.17E+00	1.20E+00	1.63E-01	4.80E+00	1.27E+00	2.48E-04	1.31E-02	4.77E-03	1.29E+00
2281	494661.06	3859951.99	1.17E+00	2.14E-04	1.31E-02	4.76E-03	1.19E+00	1.22E+00	2.19E+00	1.20E+00	1.63E-01	4.77E+00	1.22E+00	2.51E-04	1.31E-02	4.76E-03	1.24E+00
2282	494711.06	3859951.99	1.19E+00	2.05E-04	1.30E-02	4.77E-03	1.21E+00	1.25E+00	2.10E+00	1.19E+00	1.63E-01	4.69E+00	1.24E+00	2.40E-04	1.30E-02	4.77E-03	1.26E+00
2283	494761.06	3859951.99	1.18E+00	2.05E-04	1.30E-02	4.76E-03	1.19E+00	1.23E+00	2.09E+00	1.19E+00	1.63E-01	4.67E+00	1.22E+00	2.39E-04	1.30E-02	4.76E-03	1.24E+00
2284	494811.06	3859951.99	1.17E+00	2.04E-04	1.32E-02	4.75E-03	1.19E+00	1.22E+00	2.08E+00	1.20E+00	1.63E-01	4.66E+00	1.22E+00	2.38E-04	1.32E-02	4.75E-03	1.23E+00
2285	494861.06	3859951.99	1.18E+00	2.06E-04	1.34E-02	4.75E-03	1.20E+00	1.23E+00	2.10E+00	1.22E+00	1.62E-01	4.72E+00	1.23E+00	2.41E-04	1.34E-02	4.75E-03	1.25E+00
2286	494911.06	3859951.99	1.20E+00	2.03E-04	1.37E-02	4.78E-03	1.22E+00	1.25E+00	2.07E+00	1.25E+00	1.64E-01	4.74E+00	1.25E+00	2.37E-04	1.37E-02	4.78E-03	1.27E+00
2287	494961.06	3859951.99	1.20E+00	1.99E-04	1.42E-02	4.83E-03	1.22E+00	1.26E+00	2.03E+00	1.30E+00	1.65E-01	4.75E+00	1.25E+00	2.33E-04	1.42E-02	4.83E-03	1.27E+00
2288	495011.06	3859951.99	1.21E+00	1.95E-04	1.46E-02	4.84E-03	1.23E+00	1.27E+00	2.00E+00	1.33E+00	1.65E-01	4.76E+00	1.26E+00	2.28E-04	1.46E-02	4.84E-03	1.28E+00
2289	495061.06	3859951.99	1.22E+00	1.93E-04	1.45E-02	4.84E-03	1.24E+00	1.27E+00	1.98E+00	1.33E+00	1.66E-01	4.74E+00	1.27E+00	2.26E-04	1.45E-02	4.84E-03	1.29E+00
2290	495111.06	3859951.99	1.21E+00	1.89E-04	1.45E-02	4.86E-03	1.23E+00	1.27E+00	1.93E+00	1.33E+00	1.66E-01	4.69E+00	1.26E+00	2.22E-04	1.45E-02	4.86E-03	1.28E+00
2291	495161.06	3859951.99	1.20E+00	1.86E-04	1.45E-02	4.86E-03	1.22E+00	1.25E+00	1.90E+00	1.32E+00	1.66E-01	4.64E+00	1.25E+00	2.17E-04	1.45E-02	4.86E-03	1.27E+00
2292	495211.06	3859951.99	1.19E+00	1.82E-04	1.44E-02	4.86E-03	1.21E+00	1.24E+00	1.86E+00	1.31E+00	1.66E-01	4.58E+00	1.24E+00	2.13E-04	1.44E-02	4.86E-03	1.26E+00
2293	495261.06	3859951.99	1.19E+00	1.80E-04	1.43E-02	4.87E-03	1.21E+00	1.24E+00	1.84E+00	1.30E+00	1.66E-01	4.55E+00	1.24E+00	2.11E-04	1.43E-02	4.87E-03	1.26E+00
2294	495311.06	3859951.99	1.19E+00	1.80E-04	1.42E-02	4.87E-03	1.21E+00	1.25E+00	1.84E+00	1.29E+00	1.67E-01	4.55E+00	1.24E+00	2.11E-04	1.42E-02	4.87E-03	1.26E+00
2295	495361.06	3859951.99	1.21E+00	1.79E-04	1.41E-02	4.87E-03	1.23E+00	1.26E+00	1.83E+00	1.29E+00	1.67E-01	4.54E+00	1.26E+00	2.09E-04	1.41E-02	4.87E-03	1.28E+00
2296	495411.06	3859951.99	1.21E+00	1.76E-04	1.41E-02	4.87E-03	1.23E+00	1.26E+00	1.79E+00	1.29E+00	1.67E-01	4.51E+00	1.26E+00	2.05E-04	1.41E-02	4.87E-03	1.28E+00
2297	495461.06	3859951.99	1.19E+00	1.74E-04	1.42E-02	4.87E-03	1.21E+00	1.25E+00	1.77E+00	1.30E+00	1.67E-01	4.49E+00	1.24E+00	2.03E-04	1.42E-02	4.87E-03	1.26E+00
2298	495511.06	3859951.99	1.17E+00	1.72E-04	1.42E-02	4.87E-03	1.19E+00	1.22E+00	1.75E+00	1.30E+00	1.66E-01	4.44E+00	1.22E+00	2.01E-04	1.42E-02	4.87E-03	1.24E+00
2299	495561.06	3859951.99	1.15E+00	1.73E-04	1.44E-02	4.85E-03	1.17E+00	1.20E+00	1.77E+00	1.31E+00	1.66E-01	4.44E+00	1.20E+00	2.02E-04	1.44E-02	4.85E-03	1.22E+00
2300	495611.06	3859951.99	1.13E+00	1.70E-04	1.45E-02	4.82E-03	1.15E+00	1.18E+00	1.74E+00	1.32E+00	1.65E-01	4.40E+00	1.17E+00	1.99E-04	1.45E-02	4.82E-03	1.19E+00
2301	495661.06	3859951.99	1.11E+00	1.67E-04	1.44E-02	4.80E-03	1.13E+00	1.16E+00	1.70E+00	1.32E+00	1.64E-01	4.34E+00	1.15E+00	1.95E-04	1.44E-02	4.80E-03	1.17E+00
2302	494311.06	3860001.99	1.23E+00	2.32E-04	1.15E-02	4.93E-03	1.25E+00	1.29E+00	2.37E+00	1.05E+00	1.69E-01	4.88E+00	1.28E+00	2.72E-04	1.15E-02	4.93E-03	1.30E+00
2303	494361.06	3860001.99	1.22E+00	2.29E-04	1.14E-02	4.91E-03	1.23E+00	1.27E+00	2.34E+00	1.04E+00	1.68E-01	4.82E+00	1.27E+00	2.68E-04	1.14E-02	4.91E-03	1.28E+00
2304	494411.06	3860001.99	1.22E+00	2.23E-04	1.12E-02	4.91E-03	1.24E+00	1.27E+00	2.28E+00	1.02E+00	1.68E-01	4.75E+00	1.27E+00	2.61E-04	1.12E-02	4.91E-03	1.29E+00
2305	494461.06	3860001.99	1.20E+00	2.23E-04	1.12E-02	4.88E-03	1.22E+00	1.25E+00	2.28E+00	1.02E+00	1.67E-01	4.72E+00	1.25E+00	2.61E-04	1.12E-02	4.88E-03	1.27E+00
2306	494511.06	3860001.99	1.20E+00	2.18E-04	1.12E-02	4.83E-03	1.22E+00	1.26E+00	2.23E+00	1.02E+00	1.65E-01	4.67E+00	1.25E+00	2.56E-04	1.12E-02	4.83E-03	1.27E+00
2307	494561.06	3860001.99	1.20E+00	2.28E-04	1.14E-02	4.80E-03	1.21E+00	1.25E+00	2.33E+00	1.04E+00	1.64E-01	4.78E+00	1.25E+00	2.67E-04	1.14E-02	4.80E-03	1.26E+00
2308	494611.06	3860001.99	1.17E+00	2.24E-04	1.19E-02	4.79E-03	1.19E+00	1.22E+00	2.29E+00	1.08E+00	1.64E-01	4.76E+00	1.22E+00	2.62E-04	1.19E-02	4.79E-03	1.23E+00
2309	494661.06	3860001.99	1.14E+00	2.24E-04	1.23E-02	4.78E-03	1.16E+00	1.19E+00	2.29E+00	1.12E+00	1.64E-01	4.77E+00	1.19E+00	2.62E-04	1.23E-02	4.78E-03	1.21E+00
2310	494711.06	3860001.99	1.19E+00	2.12E-04	1.27E-02	4.74E-03	1.21E+00	1.24E+00	2.16E+00	1.16E+00	1.62E-01	4.73E+00	1.24E+00	2.48E-04	1.27E-02	4.74E-03	1.26E+00
2311	494761.06	3860001.99	1.16E+00	2.18E-04	1.27E-02	4.71E-03	1.17E+00	1.21E+00	2.23E+00	1.16E+00	1.61E-01	4.75E+00	1.20E+00	2.55E-04	1.27E-02	4.71E-03	1.22E+00
2312	494811.06	3860001.99	1.15E+00	2.18E-04	1.27E-02	4.69E-03	1.16E+00	1.20E+00	2.22E+00	1.16E+00	1.60E-01	4.74E+00	1.19E+00	2.55E-04	1.27E-02	4.69E-03	1.21E+00
2313	494861.06	3860001.99	1.13E+00	2.18E-04	1.28E-02	4.71E-03	1.15E+00	1.18E+00	2.23E+00	1.16E+00	1.61E-01	4.73E+00	1.18E+00	2.55E-04	1.28E-02	4.71E-03	1.20E+00
2314	494911.06	3860001.99	1.14E+00	2.07E-04	1.27E-02	4.72E-03	1.16E+00	1.19E+00	2.12E+00	1.15E+00	1.61E-01	4.62E+00	1.19E+00	2.42E-04	1.27E-02	4.72E-03	1.20E+00

2315	494961.06	3860001.99	1.15E+00	2.07E-04	1.27E-02	4.71E-03	1.16E+00	1.20E+00	2.11E+00	1.16E+00	1.61E-01	4.63E+00	1.19E+00	2.42E-04	1.27E-02	4.71E-03	1.21E+00
2316	495011.06	3860001.99	1.17E+00	2.03E-04	1.30E-02	4.70E-03	1.18E+00	1.22E+00	2.08E+00	1.18E+00	1.61E-01	4.64E+00	1.22E+00	2.38E-04	1.30E-02	4.70E-03	1.23E+00
2317	495061.06	3860001.99	1.17E+00	2.03E-04	1.32E-02	4.69E-03	1.19E+00	1.22E+00	2.08E+00	1.20E+00	1.60E-01	4.67E+00	1.22E+00	2.38E-04	1.32E-02	4.69E-03	1.24E+00
2318	495111.06	3860001.99	1.18E+00	1.99E-04	1.36E-02	4.69E-03	1.20E+00	1.23E+00	2.04E+00	1.24E+00	1.61E-01	4.67E+00	1.23E+00	2.33E-04	1.36E-02	4.69E-03	1.25E+00
2319	495161.06	3860001.99	1.19E+00	1.95E-04	1.41E-02	4.69E-03	1.21E+00	1.25E+00	1.99E+00	1.28E+00	1.60E-01	4.68E+00	1.24E+00	2.28E-04	1.41E-02	4.69E-03	1.26E+00
2320	495211.06	3860001.99	1.19E+00	1.94E-04	1.41E-02	4.70E-03	1.21E+00	1.24E+00	1.98E+00	1.29E+00	1.61E-01	4.67E+00	1.24E+00	2.27E-04	1.41E-02	4.70E-03	1.26E+00
2321	495261.06	3860001.99	1.18E+00	1.91E-04	1.42E-02	4.70E-03	1.20E+00	1.23E+00	1.95E+00	1.29E+00	1.61E-01	4.64E+00	1.23E+00	2.23E-04	1.42E-02	4.70E-03	1.25E+00
2322	495311.06	3860001.99	1.17E+00	1.89E-04	1.41E-02	4.73E-03	1.19E+00	1.22E+00	1.93E+00	1.29E+00	1.62E-01	4.60E+00	1.22E+00	2.21E-04	1.41E-02	4.73E-03	1.24E+00
2323	495361.06	3860001.99	1.16E+00	1.83E-04	1.40E-02	4.73E-03	1.18E+00	1.21E+00	1.87E+00	1.28E+00	1.62E-01	4.52E+00	1.21E+00	2.14E-04	1.40E-02	4.73E-03	1.23E+00
2324	495411.06	3860001.99	1.16E+00	1.83E-04	1.39E-02	4.74E-03	1.18E+00	1.21E+00	1.87E+00	1.27E+00	1.62E-01	4.52E+00	1.21E+00	2.14E-04	1.39E-02	4.74E-03	1.23E+00
2325	495461.06	3860001.99	1.17E+00	1.81E-04	1.38E-02	4.74E-03	1.19E+00	1.23E+00	1.85E+00	1.26E+00	1.62E-01	4.50E+00	1.22E+00	2.12E-04	1.38E-02	4.74E-03	1.24E+00
2326	495511.06	3860001.99	1.19E+00	1.79E-04	1.38E-02	4.74E-03	1.21E+00	1.24E+00	1.83E+00	1.25E+00	1.62E-01	4.48E+00	1.24E+00	2.09E-04	1.38E-02	4.74E-03	1.26E+00
2327	495561.06	3860001.99	1.18E+00	1.79E-04	1.37E-02	4.74E-03	1.20E+00	1.23E+00	1.83E+00	1.25E+00	1.62E-01	4.47E+00	1.23E+00	2.09E-04	1.37E-02	4.74E-03	1.25E+00
2328	495611.06	3860001.99	1.16E+00	1.75E-04	1.38E-02	4.73E-03	1.18E+00	1.21E+00	1.79E+00	1.26E+00	1.62E-01	4.42E+00	1.21E+00	2.05E-04	1.38E-02	4.73E-03	1.23E+00
2329	495661.06	3860001.99	1.14E+00	1.73E-04	1.39E-02	4.72E-03	1.16E+00	1.19E+00	1.76E+00	1.26E+00	1.62E-01	4.38E+00	1.19E+00	2.02E-04	1.39E-02	4.72E-03	1.21E+00
2330	494411.06	3860051.99	1.22E+00	2.35E-04	1.13E-02	4.89E-03	1.23E+00	1.27E+00	2.40E+00	1.03E+00	1.67E-01	4.86E+00	1.27E+00	2.75E-04	1.13E-02	4.89E-03	1.28E+00
2331	494461.06	3860051.99	1.20E+00	2.32E-04	1.13E-02	4.87E-03	1.22E+00	1.25E+00	2.37E+00	1.03E+00	1.67E-01	4.82E+00	1.25E+00	2.71E-04	1.13E-02	4.87E-03	1.26E+00
2332	494511.06	3860051.99	1.20E+00	2.30E-04	1.10E-02	4.85E-03	1.21E+00	1.25E+00	2.35E+00	1.00E+00	1.66E-01	4.76E+00	1.25E+00	2.69E-04	1.10E-02	4.85E-03	1.26E+00
2333	494561.06	3860051.99	1.18E+00	2.32E-04	1.08E-02	4.82E-03	1.19E+00	1.23E+00	2.37E+00	9.82E-01	1.65E-01	4.75E+00	1.23E+00	2.72E-04	1.08E-02	4.82E-03	1.24E+00
2334	494611.06	3860051.99	1.18E+00	2.32E-04	1.08E-02	4.77E-03	1.19E+00	1.23E+00	2.37E+00	9.81E-01	1.63E-01	4.74E+00	1.23E+00	2.71E-04	1.08E-02	4.77E-03	1.24E+00
2335	494661.06	3860051.99	1.18E+00	2.31E-04	1.10E-02	4.73E-03	1.19E+00	1.23E+00	2.36E+00	1.01E+00	1.62E-01	4.76E+00	1.23E+00	2.70E-04	1.10E-02	4.73E-03	1.24E+00
2336	494711.06	3860051.99	1.15E+00	2.24E-04	1.10E-02	4.71E-03	1.17E+00	1.20E+00	2.29E+00	1.01E+00	1.61E-01	4.66E+00	1.20E+00	2.63E-04	1.10E-02	4.71E-03	1.22E+00
2337	494761.06	3860051.99	1.13E+00	2.24E-04	1.15E-02	4.70E-03	1.14E+00	1.18E+00	2.29E+00	1.05E+00	1.61E-01	4.68E+00	1.17E+00	2.62E-04	1.15E-02	4.70E-03	1.19E+00
2338	494811.06	3860051.99	1.13E+00	2.26E-04	1.18E-02	4.68E-03	1.15E+00	1.18E+00	2.31E+00	1.08E+00	1.60E-01	4.73E+00	1.18E+00	2.65E-04	1.18E-02	4.68E-03	1.20E+00
2339	494861.06	3860051.99	1.14E+00	2.28E-04	1.20E-02	4.65E-03	1.16E+00	1.19E+00	2.33E+00	1.09E+00	1.59E-01	4.77E+00	1.19E+00	2.66E-04	1.20E-02	4.65E-03	1.20E+00
2340	494911.06	3860051.99	1.13E+00	2.22E-04	1.23E-02	4.60E-03	1.15E+00	1.18E+00	2.27E+00	1.12E+00	1.57E-01	4.73E+00	1.18E+00	2.60E-04	1.23E-02	4.60E-03	1.20E+00
2341	494961.06	3860051.99	1.12E+00	2.17E-04	1.23E-02	4.58E-03	1.13E+00	1.17E+00	2.22E+00	1.12E+00	1.57E-01	4.66E+00	1.16E+00	2.54E-04	1.23E-02	4.58E-03	1.18E+00
2342	495011.06	3860051.99	1.11E+00	2.13E-04	1.24E-02	4.58E-03	1.12E+00	1.15E+00	2.18E+00	1.13E+00	1.57E-01	4.61E+00	1.15E+00	2.49E-04	1.24E-02	4.58E-03	1.17E+00
2343	495061.06	3860051.99	1.09E+00	2.11E-04	1.23E-02	4.61E-03	1.11E+00	1.14E+00	2.16E+00	1.12E+00	1.58E-01	4.58E+00	1.14E+00	2.47E-04	1.23E-02	4.61E-03	1.16E+00
2344	495111.06	3860051.99	1.11E+00	2.07E-04	1.23E-02	4.59E-03	1.13E+00	1.16E+00	2.11E+00	1.12E+00	1.57E-01	4.55E+00	1.15E+00	2.42E-04	1.23E-02	4.59E-03	1.17E+00
2345	495161.06	3860051.99	1.15E+00	2.04E-04	1.25E-02	4.58E-03	1.17E+00	1.20E+00	2.09E+00	1.14E+00	1.57E-01	4.59E+00	1.20E+00	2.39E-04	1.25E-02	4.58E-03	1.21E+00
2346	495211.06	3860051.99	1.15E+00	2.01E-04	1.28E-02	4.59E-03	1.17E+00	1.20E+00	2.06E+00	1.16E+00	1.57E-01	4.58E+00	1.20E+00	2.35E-04	1.28E-02	4.59E-03	1.22E+00
2347	495261.06	3860051.99	1.16E+00	2.00E-04	1.30E-02	4.58E-03	1.18E+00	1.21E+00	2.04E+00	1.19E+00	1.57E-01	4.59E+00	1.21E+00	2.34E-04	1.30E-02	4.58E-03	1.22E+00
2348	495311.06	3860051.99	1.16E+00	1.99E-04	1.33E-02	4.58E-03	1.18E+00	1.21E+00	2.04E+00	1.21E+00	1.57E-01	4.62E+00	1.21E+00	2.33E-04	1.33E-02	4.58E-03	1.23E+00
2349	495361.06	3860051.99	1.16E+00	1.98E-04	1.35E-02	4.58E-03	1.18E+00	1.21E+00	2.02E+00	1.23E+00	1.56E-01	4.62E+00	1.21E+00	2.31E-04	1.35E-02	4.58E-03	1.23E+00
2350	495411.06	3860051.99	1.15E+00	1.96E-04	1.37E-02	4.58E-03	1.17E+00	1.20E+00	2.00E+00	1.25E+00	1.57E-01	4.60E+00	1.19E+00	2.29E-04	1.37E-02	4.58E-03	1.21E+00
2351	495461.06	3860051.99	1.14E+00	1.92E-04	1.38E-02	4.59E-03	1.16E+00	1.19E+00	1.96E+00	1.26E+00	1.57E-01	4.57E+00	1.19E+00	2.25E-04	1.38E-02	4.59E-03	1.21E+00
2352	495511.06	3860051.99	1.14E+00	1.90E-04	1.37E-02	4.59E-03	1.15E+00	1.18E+00	1.94E+00	1.25E+00	1.57E-01	4.53E+00	1.18E+00	2.22E-04	1.37E-02	4.59E-03	1.20E+00
2353	495561.06	3860051.99	1.14E+00	1.87E-04	1.36E-02	4.59E-03	1.16E+00	1.19E+00	1.91E+00	1.24E+00	1.57E-01	4.50E+00	1.18E+00	2.19E-04	1.36E-02	4.59E-03	1.20E+00
2354	495611.06	3860051.99	1.15E+00	1.84E-04	1.35E-02	4.61E-03	1.17E+00	1.20E+00	1.88E+00	1.23E+00	1.58E-01	4.48E+00	1.20E+00	2.15E-04	1.35E-02	4.61E-03	1.22E+00
2355	495661.06	3860051.99	1.16E+00	1.80E-04	1.34E-02	4.62E-03	1.18E+00	1.21E+00	1.84E+00	1.23E+00	1.58E-01	4.43E+00	1.21E+00	2.10E-04	1.34E-02	4.62E-03	1.23E+00
2356	494411.06	3860101.99	1.19E+00	2.36E-04	1.08E-02	4.94E-03	1.21E+00	1.25E+00	2.41E+00	9.82E-01	1.69E-01	4.80E+00	1.24E+00	2.76E-04	1.08E-02	4.94E-03	1.26E+00
2357	494461.06	3860101.99	1.21E+00	2.40E-04	1.08E-02	4.92E-03	1.22E+00	1.26E+00	2.45E+00	9.89E-01	1.68E-01	4.86E+00	1.26E+00	2.80E-04	1.08E-02	4.92E-03	1.27E+00
2358	494511.06	3860101.99	1.20E+00	2.35E-04	1.09E-02	4.91E-03	1.21E+00	1.25E+00	2.40E+00	9.96E-01	1.68E-01	4.81E+00	1.25E+00	2.74E-04	1.09E-02	4.91E-03	1.26E+00
2359	494561.06	3860101.99	1.18E+00	2.35E-04	1.10E-02	4.89E-03	1.20E+00	1.23E+00	2.40E+00	1.00E+00	1.67E-01	4.80E+00	1.23E+00	2.74E-04	1.10E-02	4.89E-03	1.25E+00
2360	494611.06	3860101.99	1.18E+00	2.38E-04	1.12E-02	4.87E-03	1.19E+00	1.23E+00	2.44E+00	1.02E+00	1.67E-01	4.85E+00	1.22E+00	2.79E-04	1.12E-02	4.87E-03	1.24E+00
2361	494661.06	3860101.99	1.16E+00	2.38E-04	1.10E-02	4.86E-03	1.18E+00	1.21E+00	2.44E+00	1.00E+00	1.66E-01	4.81E+00	1.21E+00	2.79E-04	1.10E-02	4.86E-03	1.22E+00
2362	494711.06	3860101.99	1.15E+00	2.33E-04	1.06E-02	4.83E-03	1.17E+00	1.20E+00	2.38E+00	9.69E-01	1.65E-01	4.71E+00	1.20E+00	2.72E-04	1.06E-02	4.83E-03	1.22E+00
2363	494761.06	3860101.99	1.16E+00	2.33E-04	1.04E-02	4.79E-03	1.18E+00	1.21E+00	2.38E+00	9.53E-01	1.64E-01	4.71E+00	1.21E+00	2.72E-04	1.04E-02	4.79E-03	1.22E+00
2364	494811.06	3860101.99	1.14E+00	2.32E-04	1.04E-02	4.78E-03	1.15E+00	1.19E+00	2.37E+00	9.52E-01	1.64E-01	4.68E+00	1.19E+00	2.72E-04	1.04E-02	4.78E-03	1.20E+00
2365	494861.06	3860101.99	1.11E+00	2.37E-04	1.07E-02	4.78E-03	1.13E+00	1.16E+00	2.42E+00	9.75E-01	1.63E-01	4.72E+00	1.16E+00	2.78E-04	1.07E-02	4.78E-03	1.18E+00
2366	494911.06	3860101.99	1.11E+00	2.26E-04	1.12E-02	4.73E-03	1.13E+00	1.16E+00	2.31E+00	1.02E+00	1.62E-01	4.65E+00	1.16E+00	2.65E-04	1.12E-02	4.73E-03	1.17E+00
2367	494961.06	3860101.99	1.12E+00	2.24E-04	1.15E-02	4.69E-03	1.14E+00	1.17E+00	2.29E+00	1.05E+00	1.60E-01	4.67E+00	1.17E+00	2.62E-04	1.15E-02	4.69E-03	1.18E+00
2368	495011.06	3860101.99	1.12E+00	2.22E-04	1.18E-02	4.65E-03	1.14E+00	1.17E+00	2.26E+00	1.08E+00	1.59E-01	4.67E+00	1.17E+00	2.59E-04	1.18E-02	4.65E-03	1.18E+00
2369	495061.06	3860101.99	1.10E+00	2.19E-04	1.20E-02	4.63E-03	1.12E+00	1.15E+00	2.24E+00	1.10E+00	1.58E-01	4.64E+00	1.15E+00	2.56E-04	1.20E-02	4.63E-03	1.16E+00
2370	495111.06	3860101.99	1.09E+00	2.14E-04	1.20E-02	4.61E-03	1.11E+00	1.14E+00	2.19E+00	1.10E+00	1.58E-01	4.58E+00	1.13E+00	2.50E-04	1.20E-02	4.61E-03	1.15E+00
2371	495161.06	3860101.99	1.07E+00	2.13E-04	1.20E-02	4.59E-03	1.09E+00	1.12E+00	2.17E+00	1.10E+00	1.57E-01	4.55E+00	1.12E+00	2.49E-04	1.20E-02	4.59E-03	1.13E+00
2372	495211.06	3860101.99	1.08E+00	2.10E-04	1.20E-02	4.60E-03	1.10E+00	1.13E+00	2.14E+00	1.09E+00	1.57E-01	4.52E+00	1.13E+00	2.45E-04	1.20E-02	4.60E-03	1.14E+00
2373	495261.06	3860101.99	1.09E+00	2.07E-04	1.20E-02	4.61E-03	1.11E+00	1.14E+00	2.11E+00	1.09E+00	1.57E-01	4.50E+00	1.14E+00	2.42E-04	1.20E-02	4.61E-03	1.16E+00
2374	495311.06	3860101.99	1.10E+00	2.05E-04	1.22E-02	4.59E-03	1.11E+00	1.14E+00	2.09E+00	1.11E+00	1.57E-01	4.50E+00	1.14E+00	2.40E-04	1.22E-02	4.59E-03	1.16E+00
2375	495361.06	3860101.99	1.10E+00	2.05E-04	1.24E-02	4.58E-03	1.12E+00	1.15E+00	2.09E+00	1.13E+00	1.57E-01	4.52E+00	1.14E+00	2.40E-04	1.24E-02	4.58E-03	1.16E+00

2376	495411.06	3860101.99	1.10E+00	2.02E-04	1.26E-02	4.56E-03	1.12E+00	1.15E+00	2.06E+00	1.15E+00	1.56E-01	4.52E+00	1.15E+00	2.36E-04	1.26E-02	4.56E-03	1.17E+00
2377	495461.06	3860101.99	1.14E+00	1.98E-04	1.28E-02	4.54E-03	1.16E+00	1.19E+00	2.02E+00	1.17E+00	1.55E-01	4.53E+00	1.19E+00	2.32E-04	1.28E-02	4.54E-03	1.20E+00
2378	495511.06	3860101.99	1.13E+00	1.98E-04	1.29E-02	4.53E-03	1.14E+00	1.17E+00	2.02E+00	1.18E+00	1.55E-01	4.53E+00	1.17E+00	2.32E-04	1.29E-02	4.53E-03	1.19E+00
2379	495561.06	3860101.99	1.11E+00	1.98E-04	1.30E-02	4.53E-03	1.13E+00	1.16E+00	2.02E+00	1.19E+00	1.55E-01	4.52E+00	1.16E+00	2.32E-04	1.30E-02	4.53E-03	1.17E+00
2380	495611.06	3860101.99	1.11E+00	1.94E-04	1.33E-02	4.52E-03	1.13E+00	1.16E+00	1.98E+00	1.21E+00	1.55E-01	4.50E+00	1.16E+00	2.26E-04	1.33E-02	4.52E-03	1.17E+00
2381	495661.06	3860101.99	1.11E+00	1.92E-04	1.34E-02	4.52E-03	1.13E+00	1.16E+00	1.96E+00	1.22E+00	1.54E-01	4.49E+00	1.16E+00	2.24E-04	1.34E-02	4.52E-03	1.18E+00
2382	494861.06	3860151.99	1.13E+00	2.47E-04	1.08E-02	4.70E-03	1.15E+00	1.18E+00	2.53E+00	9.86E-01	1.61E-01	4.86E+00	1.18E+00	2.89E-04	1.08E-02	4.70E-03	1.20E+00
2383	494911.06	3860151.99	1.13E+00	2.35E-04	1.04E-02	4.80E-03	1.14E+00	1.17E+00	2.40E+00	9.48E-01	1.64E-01	4.69E+00	1.17E+00	2.75E-04	1.04E-02	4.80E-03	1.19E+00
2384	494961.06	3860151.99	1.10E+00	2.32E-04	1.03E-02	4.75E-03	1.11E+00	1.15E+00	2.37E+00	9.38E-01	1.63E-01	4.62E+00	1.14E+00	2.72E-04	1.03E-02	4.75E-03	1.16E+00
2385	495011.06	3860151.99	1.09E+00	2.29E-04	1.04E-02	4.73E-03	1.11E+00	1.14E+00	2.34E+00	9.51E-01	1.62E-01	4.59E+00	1.14E+00	2.68E-04	1.04E-02	4.73E-03	1.15E+00
2386	495061.06	3860151.99	1.10E+00	2.25E-04	1.09E-02	4.71E-03	1.12E+00	1.15E+00	2.30E+00	9.90E-01	1.61E-01	4.60E+00	1.14E+00	2.64E-04	1.09E-02	4.71E-03	1.16E+00
2387	495111.06	3860151.99	1.11E+00	2.23E-04	1.12E-02	4.69E-03	1.12E+00	1.15E+00	2.27E+00	1.03E+00	1.60E-01	4.62E+00	1.15E+00	2.60E-04	1.12E-02	4.69E-03	1.17E+00
2388	495161.06	3860151.99	1.09E+00	2.20E-04	1.15E-02	4.67E-03	1.11E+00	1.14E+00	2.25E+00	1.05E+00	1.60E-01	4.60E+00	1.14E+00	2.58E-04	1.15E-02	4.67E-03	1.15E+00
2389	495211.06	3860151.99	1.07E+00	2.18E-04	1.18E-02	4.65E-03	1.09E+00	1.12E+00	2.23E+00	1.07E+00	1.59E-01	4.58E+00	1.12E+00	2.55E-04	1.18E-02	4.65E-03	1.14E+00
2390	495261.06	3860151.99	1.06E+00	2.17E-04	1.17E-02	4.63E-03	1.07E+00	1.10E+00	2.22E+00	1.06E+00	1.58E-01	4.54E+00	1.10E+00	2.54E-04	1.17E-02	4.63E-03	1.12E+00
2391	495311.06	3860151.99	1.06E+00	2.16E-04	1.17E-02	4.61E-03	1.07E+00	1.10E+00	2.20E+00	1.07E+00	1.58E-01	4.53E+00	1.10E+00	2.52E-04	1.17E-02	4.61E-03	1.12E+00
2392	495361.06	3860151.99	1.07E+00	2.14E-04	1.17E-02	4.60E-03	1.08E+00	1.11E+00	2.18E+00	1.06E+00	1.57E-01	4.52E+00	1.11E+00	2.50E-04	1.17E-02	4.60E-03	1.13E+00
2393	495411.06	3860151.99	1.08E+00	2.11E-04	1.17E-02	4.61E-03	1.10E+00	1.13E+00	2.16E+00	1.06E+00	1.58E-01	4.51E+00	1.12E+00	2.47E-04	1.17E-02	4.61E-03	1.14E+00
2394	495461.06	3860151.99	1.08E+00	2.09E-04	1.18E-02	4.59E-03	1.09E+00	1.12E+00	2.14E+00	1.08E+00	1.57E-01	4.49E+00	1.12E+00	2.45E-04	1.18E-02	4.59E-03	1.14E+00
2395	495511.06	3860151.99	1.08E+00	2.05E-04	1.20E-02	4.58E-03	1.10E+00	1.13E+00	2.09E+00	1.09E+00	1.57E-01	4.48E+00	1.13E+00	2.40E-04	1.20E-02	4.58E-03	1.14E+00
2396	495561.06	3860151.99	1.08E+00	2.03E-04	1.22E-02	4.56E-03	1.10E+00	1.13E+00	2.07E+00	1.11E+00	1.56E-01	4.47E+00	1.13E+00	2.37E-04	1.22E-02	4.56E-03	1.15E+00
2397	495611.06	3860151.99	1.08E+00	2.00E-04	1.24E-02	4.56E-03	1.10E+00	1.13E+00	2.04E+00	1.13E+00	1.56E-01	4.46E+00	1.12E+00	2.34E-04	1.24E-02	4.56E-03	1.14E+00
2398	495661.06	3860151.99	1.06E+00	1.96E-04	1.26E-02	4.54E-03	1.08E+00	1.11E+00	2.01E+00	1.15E+00	1.55E-01	4.42E+00	1.11E+00	2.30E-04	1.26E-02	4.54E-03	1.12E+00
2399	495718.25	3859442.96	9.03E-01	7.11E-05	1.57E-02	4.67E-03	9.23E-01	9.42E-01	7.27E-01	1.43E+00	1.60E-01	3.26E+00	9.40E-01	8.32E-05	1.57E-02	4.67E-03	9.61E-01
2400	495818.25	3859442.96	8.83E-01	6.86E-05	1.57E-02	4.61E-03	9.04E-01	9.21E-01	7.01E-01	1.44E+00	1.58E-01	3.22E+00	9.20E-01	8.03E-05	1.57E-02	4.61E-03	9.40E-01
2401	495918.25	3859442.96	8.57E-01	6.72E-05	1.58E-02	4.56E-03	8.78E-01	8.94E-01	6.87E-01	1.44E+00	1.56E-01	3.18E+00	8.93E-01	7.86E-05	1.58E-02	4.56E-03	9.13E-01
2402	496018.25	3859442.96	8.53E-01	6.62E-05	1.61E-02	4.51E-03	8.74E-01	8.90E-01	6.76E-01	1.47E+00	1.54E-01	3.19E+00	8.88E-01	7.74E-05	1.61E-02	4.51E-03	9.09E-01
2403	496118.25	3859442.96	8.64E-01	6.84E-05	1.64E-02	4.57E-03	8.85E-01	9.02E-01	6.99E-01	1.49E+00	1.56E-01	3.25E+00	9.00E-01	8.01E-05	1.64E-02	4.57E-03	9.21E-01
2404	496218.25	3859442.96	8.75E-01	7.07E-05	1.61E-02	4.59E-03	8.96E-01	9.13E-01	7.23E-01	1.47E+00	1.57E-01	3.27E+00	9.11E-01	8.27E-05	1.61E-02	4.59E-03	9.32E-01
2405	496318.25	3859442.96	8.48E-01	6.99E-05	1.58E-02	4.55E-03	8.69E-01	8.85E-01	7.15E-01	1.44E+00	1.56E-01	3.20E+00	8.83E-01	8.18E-05	1.58E-02	4.55E-03	9.04E-01
2406	496418.25	3859442.96	8.28E-01	6.89E-05	1.58E-02	4.53E-03	8.48E-01	8.64E-01	7.04E-01	1.44E+00	1.55E-01	3.17E+00	8.62E-01	8.06E-05	1.58E-02	4.53E-03	8.83E-01
2407	495718.25	3859542.96	9.88E-01	8.43E-05	1.62E-02	4.77E-03	1.01E+00	1.03E+00	8.61E-01	1.48E+00	1.63E-01	3.53E+00	1.03E+00	9.86E-05	1.62E-02	4.77E-03	1.05E+00
2408	495818.25	3859542.96	9.67E-01	8.21E-05	1.54E-02	4.70E-03	9.88E-01	1.01E+00	8.38E-01	1.40E+00	1.61E-01	3.41E+00	1.01E+00	9.60E-05	1.54E-02	4.70E-03	1.03E+00
2409	495918.25	3859542.96	9.39E-01	7.91E-05	1.47E-02	4.60E-03	9.58E-01	9.80E-01	8.08E-01	1.34E+00	1.57E-01	3.29E+00	9.78E-01	9.25E-05	1.47E-02	4.60E-03	9.97E-01
2410	496018.25	3859542.96	9.13E-01	7.68E-05	1.43E-02	4.49E-03	9.32E-01	9.53E-01	7.84E-01	1.30E+00	1.54E-01	3.19E+00	9.51E-01	8.98E-05	1.43E-02	4.49E-03	9.70E-01
2411	496118.25	3859542.96	9.25E-01	8.10E-05	1.43E-02	4.55E-03	9.44E-01	9.65E-01	8.28E-01	1.31E+00	1.56E-01	3.26E+00	9.63E-01	9.48E-05	1.43E-02	4.55E-03	9.82E-01
2412	496218.25	3859542.96	9.07E-01	8.33E-05	1.47E-02	4.57E-03	9.27E-01	9.47E-01	8.51E-01	1.34E+00	1.56E-01	3.29E+00	9.45E-01	9.74E-05	1.47E-02	4.57E-03	9.64E-01
2413	496318.25	3859542.96	9.19E-01	8.45E-05	1.49E-02	4.56E-03	9.39E-01	9.59E-01	8.64E-01	1.36E+00	1.56E-01	3.34E+00	9.57E-01	9.89E-05	1.49E-02	4.56E-03	9.77E-01
2414	496418.25	3859542.96	8.96E-01	8.17E-05	1.50E-02	4.46E-03	9.16E-01	9.35E-01	8.35E-01	1.37E+00	1.52E-01	3.29E+00	9.33E-01	9.56E-05	1.50E-02	4.46E-03	9.53E-01
2415	495718.25	3859642.96	1.03E+00	9.99E-05	1.69E-02	4.81E-03	1.05E+00	1.07E+00	1.02E+00	1.54E+00	1.65E-01	3.80E+00	1.07E+00	1.17E-04	1.69E-02	4.81E-03	1.09E+00
2416	495818.25	3859642.96	1.01E+00	9.68E-05	1.66E-02	4.82E-03	1.03E+00	1.05E+00	9.89E-01	1.52E+00	1.65E-01	3.72E+00	1.05E+00	1.13E-04	1.66E-02	4.82E-03	1.07E+00
2417	495918.25	3859642.96	1.00E+00	9.54E-05	1.65E-02	4.84E-03	1.02E+00	1.05E+00	9.74E-01	1.50E+00	1.66E-01	3.69E+00	1.04E+00	1.12E-04	1.65E-02	4.84E-03	1.07E+00
2418	496018.25	3859642.96	9.82E-01	9.23E-05	1.63E-02	4.75E-03	1.00E+00	1.03E+00	9.43E-01	1.48E+00	1.62E-01	3.61E+00	1.02E+00	1.08E-04	1.63E-02	4.75E-03	1.04E+00
2419	496118.25	3859642.96	9.82E-01	9.85E-05	1.58E-02	4.77E-03	1.00E+00	1.02E+00	1.01E+00	1.44E+00	1.63E-01	3.63E+00	1.02E+00	1.15E-04	1.58E-02	4.77E-03	1.04E+00
2420	496218.25	3859642.96	9.70E-01	1.02E-04	1.52E-02	4.76E-03	9.90E-01	1.01E+00	1.05E+00	1.39E+00	1.63E-01	3.61E+00	1.01E+00	1.20E-04	1.52E-02	4.76E-03	1.03E+00
2421	496318.25	3859642.96	9.56E-01	1.00E-04	1.45E-02	4.69E-03	9.75E-01	9.98E-01	1.02E+00	1.33E+00	1.60E-01	3.51E+00	9.96E-01	1.17E-04	1.45E-02	4.69E-03	1.01E+00
2422	496418.25	3859642.96	9.16E-01	8.58E-05	1.37E-02	4.45E-03	9.34E-01	9.55E-01	8.77E-01	1.25E+00	1.52E-01	3.24E+00	9.53E-01	1.00E-04	1.37E-02	4.45E-03	9.72E-01
2423	495718.25	3859742.96	1.06E+00	1.22E-04	1.60E-02	4.81E-03	1.08E+00	1.11E+00	1.25E+00	1.46E+00	1.64E-01	3.98E+00	1.11E+00	1.43E-04	1.60E-02	4.81E-03	1.13E+00
2424	495818.25	3859742.96	1.05E+00	1.15E-04	1.64E-02	4.75E-03	1.07E+00	1.09E+00	1.17E+00	1.49E+00	1.63E-01	3.92E+00	1.09E+00	1.35E-04	1.64E-02	4.75E-03	1.11E+00
2425	495918.25	3859742.96	1.04E+00	1.11E-04	1.66E-02	4.70E-03	1.06E+00	1.08E+00	1.14E+00	1.51E+00	1.61E-01	3.89E+00	1.08E+00	1.30E-04	1.66E-02	4.70E-03	1.10E+00
2426	496018.25	3859742.96	1.01E+00	1.08E-04	1.68E-02	4.64E-03	1.03E+00	1.06E+00	1.11E+00	1.53E+00	1.59E-01	3.85E+00	1.05E+00	1.27E-04	1.68E-02	4.64E-03	1.08E+00
2427	496118.25	3859742.96	1.02E+00	1.13E-04	1.61E-02	4.63E-03	1.04E+00	1.06E+00	1.15E+00	1.47E+00	1.58E-01	3.83E+00	1.06E+00	1.32E-04	1.61E-02	4.63E-03	1.08E+00
2428	496218.25	3859742.96	1.02E+00	1.19E-04	1.59E-02	4.62E-03	1.04E+00	1.07E+00	1.22E+00	1.45E+00	1.58E-01	3.89E+00	1.06E+00	1.39E-04	1.59E-02	4.62E-03	1.08E+00
2429	496318.25	3859742.96	9.83E-01	1.06E-04	1.56E-02	4.52E-03	1.00E+00	1.03E+00	1.08E+00	1.42E+00	1.55E-01	3.69E+00	1.02E+00	1.24E-04	1.56E-02	4.52E-03	1.04E+00
2430	496418.25	3859742.96	9.45E-01	9.49E-05	1.53E-02	4.41E-03	9.65E-01	9.86E-01	9.70E-01	1.40E+00	1.51E-01	3.50E+00	9.84E-01	1.11E-04	1.53E-02	4.41E-03	1.00E+00
2431	495718.25	3859842.96	1.10E+00	1.41E-04	1.52E-02	4.86E-03	1.12E+00	1.15E+00	1.44E+00	1.39E+00	1.66E-01	4.14E+00	1.14E+00	1.65E-04	1.52E-02	4.86E-03	1.17E+00
2432	495818.25	3859842.96	1.07E+00	1.39E-04	1.53E-02	4.82E-03	1.09E+00	1.11E+00	1.42E+00	1.39E+00	1.65E-01	4.09E+00	1.11E+00	1.63E-04	1.53E-02	4.82E-03	1.13E+00
2433	495918.25	3859842.96	1.05E+00	1.35E-04	1.53E-02	4.79E-03	1.07E+00	1.10E+00	1.38E+00	1.39E+00	1.64E-01	4.03E+00	1.09E+00	1.58E-04	1.53E-02	4.79E-03	1.11E+00
2434	496018.25	3859842.96	1.04E+00	1.34E-04	1.52E-02	4.76E-03	1.06E+00	1.09E+00	1.36E+00	1.39E+00	1.63E-01	4.00E+00	1.08E+00	1.56E-04	1.52E-02	4.76E-03	1.10E+00
2435	496118.25	3859842.96	1.04E+00	1.40E-04	1.53E-02	4.75E-03	1.06E+00	1.08E+00	1.43E+00	1.40E+00	1.63E-01	4.07E+00	1.08E+00	1.64E-04	1.53E-02	4.75E-03	1.10E+00
2436	496218.25	3859842.96	1.02E+00	1.26E-04	1.54E-02	4.69E-03	1.04E+00	1.06E+00	1.29E+00	1.40E+00	1.60E-01	3.91E+00	1.06E+00	1.47E-04	1.54E-02	4.69E-03	1.08E+00

2437	496318.25	3859842.96	9.73E-01	1.00E-04	1.55E-02	4.53E-03	9.93E-01	1.02E+00	1.02E+00	1.42E+00	1.55E-01	3.61E+00	1.01E+00	1.17E-04	1.55E-02	4.53E-03	1.03E+00
2438	496418.25	3859842.96	9.40E-01	8.80E-05	1.56E-02	4.25E-03	9.60E-01	9.81E-01	8.99E-01	1.42E+00	1.45E-01	3.45E+00	9.79E-01	1.03E-04	1.56E-02	4.25E-03	9.99E-01
2439	495718.25	3859942.96	1.10E+00	1.65E-04	1.45E-02	4.78E-03	1.11E+00	1.14E+00	1.69E+00	1.33E+00	1.63E-01	4.32E+00	1.14E+00	1.94E-04	1.45E-02	4.78E-03	1.16E+00
2440	495818.25	3859942.96	1.09E+00	1.60E-04	1.42E-02	4.70E-03	1.10E+00	1.13E+00	1.64E+00	1.30E+00	1.61E-01	4.23E+00	1.13E+00	1.88E-04	1.42E-02	4.70E-03	1.15E+00
2441	495918.25	3859942.96	1.07E+00	1.58E-04	1.43E-02	4.61E-03	1.09E+00	1.12E+00	1.61E+00	1.31E+00	1.58E-01	4.20E+00	1.12E+00	1.85E-04	1.43E-02	4.61E-03	1.14E+00
2442	496018.25	3859942.96	1.06E+00	1.63E-04	1.45E-02	4.54E-03	1.08E+00	1.11E+00	1.67E+00	1.33E+00	1.55E-01	4.26E+00	1.11E+00	1.91E-04	1.45E-02	4.54E-03	1.13E+00
2443	496118.25	3859942.96	1.03E+00	1.51E-04	1.46E-02	4.52E-03	1.05E+00	1.08E+00	1.55E+00	1.33E+00	1.55E-01	4.11E+00	1.07E+00	1.77E-04	1.46E-02	4.52E-03	1.09E+00
2444	496218.25	3859942.96	1.01E+00	1.31E-04	1.44E-02	4.47E-03	1.03E+00	1.06E+00	1.34E+00	1.32E+00	1.53E-01	3.87E+00	1.06E+00	1.54E-04	1.44E-02	4.47E-03	1.08E+00
2445	496318.25	3859942.96	9.92E-01	1.13E-04	1.44E-02	4.41E-03	1.01E+00	1.04E+00	1.16E+00	1.31E+00	1.51E-01	3.66E+00	1.03E+00	1.33E-04	1.44E-02	4.41E-03	1.05E+00
2446	496418.25	3859942.96	9.43E-01	8.95E-05	1.41E-02	4.28E-03	9.61E-01	9.84E-01	9.15E-01	1.29E+00	1.46E-01	3.33E+00	9.82E-01	1.05E-04	1.41E-02	4.28E-03	1.00E+00
2447	496856.82	3858864.83	4.02E-01	3.71E-05	1.84E-02	3.31E-03	4.24E-01	4.20E-01	3.79E-01	1.67E+00	1.13E-01	2.59E+00	4.19E-01	4.34E-05	1.84E-02	3.31E-03	4.40E-01
2448	496956.82	3858864.83	3.94E-01	3.66E-05	1.81E-02	3.28E-03	4.16E-01	4.11E-01	3.74E-01	1.66E+00	1.12E-01	2.55E+00	4.11E-01	4.28E-05	1.81E-02	3.28E-03	4.32E-01
2449	497056.82	3858864.83	3.85E-01	3.63E-05	1.79E-02	3.25E-03	4.06E-01	4.02E-01	3.71E-01	1.63E+00	1.11E-01	2.51E+00	4.01E-01	4.25E-05	1.79E-02	3.25E-03	4.22E-01
2450	497156.82	3858864.83	3.72E-01	3.58E-05	1.72E-02	3.23E-03	3.93E-01	3.88E-01	3.65E-01	1.57E+00	1.10E-01	2.43E+00	3.88E-01	4.19E-05	1.72E-02	3.23E-03	4.08E-01
2451	497256.82	3858864.83	3.72E-01	3.57E-05	1.69E-02	3.20E-03	3.92E-01	3.88E-01	3.65E-01	1.54E+00	1.10E-01	2.40E+00	3.87E-01	4.18E-05	1.69E-02	3.20E-03	4.07E-01
2452	496856.82	3858964.83	4.61E-01	3.94E-05	1.78E-02	3.34E-03	4.83E-01	4.81E-01	4.02E-01	1.62E+00	1.14E-01	2.62E+00	4.81E-01	4.61E-05	1.78E-02	3.34E-03	5.02E-01
2453	496956.82	3858964.83	4.43E-01	3.86E-05	1.73E-02	3.30E-03	4.64E-01	4.62E-01	3.95E-01	1.58E+00	1.13E-01	2.55E+00	4.61E-01	4.52E-05	1.73E-02	3.30E-03	4.82E-01
2454	497056.82	3858964.83	4.31E-01	3.79E-05	1.70E-02	3.28E-03	4.52E-01	4.50E-01	3.88E-01	1.55E+00	1.12E-01	2.50E+00	4.49E-01	4.44E-05	1.70E-02	3.28E-03	4.69E-01
2455	497156.82	3858964.83	4.17E-01	3.73E-05	1.68E-02	3.22E-03	4.37E-01	4.35E-01	3.81E-01	1.53E+00	1.10E-01	2.46E+00	4.34E-01	4.36E-05	1.68E-02	3.22E-03	4.54E-01
2456	497256.82	3858964.83	4.37E-01	3.82E-05	1.67E-02	3.24E-03	4.57E-01	4.56E-01	3.90E-01	1.53E+00	1.11E-01	2.48E+00	4.55E-01	4.47E-05	1.67E-02	3.24E-03	4.75E-01
2457	496856.82	3859064.83	5.08E-01	4.18E-05	1.83E-02	3.52E-03	5.30E-01	5.30E-01	4.27E-01	1.67E+00	1.20E-01	2.75E+00	5.29E-01	4.89E-05	1.83E-02	3.52E-03	5.51E-01
2458	496956.82	3859064.83	4.87E-01	4.09E-05	1.80E-02	3.48E-03	5.08E-01	5.08E-01	4.18E-01	1.64E+00	1.19E-01	2.68E+00	5.07E-01	4.79E-05	1.80E-02	3.48E-03	5.28E-01
2459	497056.82	3859064.83	4.78E-01	4.04E-05	1.78E-02	3.44E-03	4.99E-01	4.99E-01	4.13E-01	1.62E+00	1.18E-01	2.65E+00	4.98E-01	4.73E-05	1.78E-02	3.44E-03	5.19E-01
2460	497156.82	3859064.83	4.74E-01	4.00E-05	1.78E-02	3.41E-03	4.95E-01	4.94E-01	4.09E-01	1.62E+00	1.17E-01	2.64E+00	4.93E-01	4.68E-05	1.78E-02	3.41E-03	5.15E-01
2461	497256.82	3859064.83	5.13E-01	4.17E-05	1.80E-02	3.48E-03	5.34E-01	5.35E-01	4.26E-01	1.64E+00	1.19E-01	2.72E+00	5.34E-01	4.87E-05	1.80E-02	3.48E-03	5.55E-01
2462	496856.82	3859164.83	5.42E-01	4.34E-05	1.70E-02	3.55E-03	5.63E-01	5.66E-01	4.43E-01	1.55E+00	1.21E-01	2.68E+00	5.65E-01	5.08E-05	1.70E-02	3.55E-03	5.85E-01
2463	496956.82	3859164.83	5.28E-01	4.24E-05	1.71E-02	3.51E-03	5.48E-01	5.51E-01	4.33E-01	1.56E+00	1.20E-01	2.66E+00	5.50E-01	4.96E-05	1.71E-02	3.51E-03	5.70E-01
2464	497056.82	3859164.83	5.29E-01	4.23E-05	1.72E-02	3.51E-03	5.49E-01	5.52E-01	4.33E-01	1.57E+00	1.20E-01	2.67E+00	5.50E-01	4.95E-05	1.72E-02	3.51E-03	5.71E-01
2465	497156.82	3859164.83	5.39E-01	4.35E-05	1.72E-02	3.60E-03	5.60E-01	5.63E-01	4.44E-01	1.57E+00	1.23E-01	2.70E+00	5.62E-01	5.08E-05	1.72E-02	3.60E-03	5.82E-01
2466	497256.82	3859164.83	5.79E-01	4.55E-05	1.73E-02	3.70E-03	6.00E-01	6.04E-01	4.65E-01	1.58E+00	1.27E-01	2.78E+00	6.03E-01	5.33E-05	1.73E-02	3.70E-03	6.24E-01
2467	496856.82	3859264.83	5.63E-01	4.50E-05	1.64E-02	3.82E-03	5.83E-01	5.87E-01	4.60E-01	1.49E+00	1.31E-01	2.67E+00	5.86E-01	5.27E-05	1.64E-02	3.82E-03	6.06E-01
2468	496956.82	3859264.83	5.60E-01	4.55E-05	1.66E-02	3.83E-03	5.81E-01	5.85E-01	4.65E-01	1.51E+00	1.31E-01	2.69E+00	5.83E-01	5.32E-05	1.66E-02	3.83E-03	6.04E-01
2469	497056.82	3859264.83	5.79E-01	4.66E-05	1.66E-02	3.87E-03	5.99E-01	6.04E-01	4.76E-01	1.51E+00	1.32E-01	2.73E+00	6.03E-01	5.46E-05	1.66E-02	3.87E-03	6.23E-01
2470	497156.82	3859264.83	5.91E-01	4.79E-05	1.65E-02	3.87E-03	6.11E-01	6.16E-01	4.90E-01	1.51E+00	1.32E-01	2.75E+00	6.15E-01	5.61E-05	1.65E-02	3.87E-03	6.36E-01
2471	497256.82	3859264.83	6.19E-01	5.11E-05	1.65E-02	3.93E-03	6.39E-01	6.46E-01	5.22E-01	1.50E+00	1.34E-01	2.81E+00	6.45E-01	5.98E-05	1.65E-02	3.93E-03	6.65E-01
2472	497088.92	3858620.93	2.61E-01	3.30E-05	1.53E-02	2.97E-03	2.79E-01	2.72E-01	3.37E-01	1.40E+00	1.01E-01	2.11E+00	2.72E-01	3.86E-05	1.53E-02	2.97E-03	2.90E-01
2473	497138.92	3858620.93	2.62E-01	3.30E-05	1.53E-02	2.96E-03	2.81E-01	2.74E-01	3.37E-01	1.39E+00	1.01E-01	2.11E+00	2.73E-01	3.86E-05	1.53E-02	2.96E-03	2.91E-01
2474	497188.92	3858620.93	2.58E-01	3.29E-05	1.51E-02	2.93E-03	2.76E-01	2.69E-01	3.36E-01	1.38E+00	1.00E-01	2.08E+00	2.69E-01	3.85E-05	1.51E-02	2.93E-03	2.87E-01
2475	497238.92	3858620.93	2.57E-01	3.28E-05	1.50E-02	2.92E-03	2.75E-01	2.68E-01	3.35E-01	1.37E+00	9.99E-02	2.07E+00	2.67E-01	3.84E-05	1.50E-02	2.92E-03	2.85E-01
2476	497088.92	3858670.93	2.70E-01	3.36E-05	1.49E-02	2.95E-03	2.88E-01	2.82E-01	3.43E-01	1.36E+00	1.01E-01	2.08E+00	2.82E-01	3.93E-05	1.49E-02	2.95E-03	3.00E-01
2477	497138.92	3858670.93	2.77E-01	3.43E-05	1.49E-02	2.95E-03	2.95E-01	2.89E-01	3.50E-01	1.36E+00	1.01E-01	2.10E+00	2.88E-01	4.01E-05	1.49E-02	2.95E-03	3.06E-01
2478	497188.92	3858670.93	2.72E-01	3.41E-05	1.48E-02	2.94E-03	2.90E-01	2.84E-01	3.48E-01	1.35E+00	1.00E-01	2.08E+00	2.84E-01	3.99E-05	1.48E-02	2.94E-03	3.01E-01
2479	497238.92	3858670.93	2.73E-01	3.40E-05	1.48E-02	2.93E-03	2.91E-01	2.85E-01	3.48E-01	1.35E+00	1.00E-01	2.08E+00	2.85E-01	3.98E-05	1.48E-02	2.93E-03	3.03E-01
2480	497088.92	3858720.93	3.02E-01	3.52E-05	1.50E-02	3.00E-03	3.20E-01	3.15E-01	3.60E-01	1.36E+00	1.03E-01	2.14E+00	3.14E-01	4.12E-05	1.50E-02	3.00E-03	3.32E-01
2481	497138.92	3858720.93	2.85E-01	3.47E-05	1.46E-02	2.96E-03	3.02E-01	2.97E-01	3.55E-01	1.33E+00	1.01E-01	2.08E+00	2.96E-01	4.07E-05	1.46E-02	2.96E-03	3.14E-01
2482	497188.92	3858720.93	2.82E-01	3.40E-05	1.44E-02	2.93E-03	3.00E-01	2.95E-01	3.48E-01	1.32E+00	1.00E-01	2.06E+00	2.94E-01	3.98E-05	1.44E-02	2.93E-03	3.11E-01
2483	497238.92	3858720.93	2.95E-01	3.50E-05	1.45E-02	2.95E-03	3.13E-01	3.08E-01	3.57E-01	1.33E+00	1.01E-01	2.09E+00	3.07E-01	4.09E-05	1.45E-02	2.95E-03	3.25E-01
2484	497088.92	3858770.93	3.22E-01	3.55E-05	1.59E-02	3.07E-03	3.41E-01	3.36E-01	3.63E-01	1.45E+00	1.05E-01	2.25E+00	3.36E-01	4.16E-05	1.59E-02	3.07E-03	3.55E-01
2485	497138.92	3858770.93	3.15E-01	3.52E-05	1.57E-02	3.02E-03	3.34E-01	3.28E-01	3.60E-01	1.43E+00	1.03E-01	2.22E+00	3.28E-01	4.12E-05	1.57E-02	3.02E-03	3.47E-01
2486	497188.92	3858770.93	3.11E-01	3.49E-05	1.57E-02	3.01E-03	3.30E-01	3.24E-01	3.57E-01	1.43E+00	1.03E-01	2.22E+00	3.24E-01	4.08E-05	1.57E-02	3.01E-03	3.43E-01
2487	497238.92	3858770.93	3.18E-01	3.52E-05	1.56E-02	3.00E-03	3.37E-01	3.32E-01	3.59E-01	1.42E+00	1.03E-01	2.22E+00	3.31E-01	4.11E-05	1.56E-02	3.00E-03	3.50E-01
2488	497396.65	3858622.63	2.97E-01	3.47E-05	1.52E-02	2.96E-03	3.15E-01	3.09E-01	3.55E-01	1.38E+00	1.01E-01	2.15E+00	3.09E-01	4.06E-05	1.52E-02	2.96E-03	3.27E-01
2489	497496.65	3858622.63	3.27E-01	3.53E-05	1.54E-02	3.00E-03	3.46E-01	3.41E-01	3.61E-01	1.41E+00	1.02E-01	2.21E+00	3.41E-01	4.13E-05	1.54E-02	3.00E-03	3.59E-01
2490	497596.65	3858622.63	3.75E-01	3.71E-05	1.60E-02	3.10E-03	3.94E-01	3.91E-01	3.79E-01	1.46E+00	1.06E-01	2.33E+00	3.90E-01	4.34E-05	1.60E-02	3.10E-03	4.09E-01
2491	497696.65	3858622.63	3.92E-01	3.77E-05	1.59E-02	3.14E-03	4.11E-01	4.09E-01	3.85E-01	1.45E+00	1.07E-01	2.35E+00	4.08E-01	4.41E-05	1.59E-02	3.14E-03	4.27E-01
2492	497796.65	3858622.63	4.24E-01	3.88E-05	1.58E-02	3.17E-03	4.43E-01	4.43E-01	3.96E-01	1.44E+00	1.08E-01	2.39E+00	4.42E-01	4.54E-05	1.58E-02	3.17E-03	4.61E-01
2493	497896.65	3858622.63	4.65E-01	4.00E-05	1.58E-02	3.23E-03	4.84E-01	4.85E-01	4.08E-01	1.44E+00	1.11E-01	2.44E+00	4.84E-01	4.68E-05	1.58E-02	3.23E-03	5.03E-01
2494	497396.65	3858722.63	3.51E-01	3.61E-05	1.58E-02	3.01E-03	3.70E-01	3.66E-01	3.69E-01	1.45E+00	1.03E-01	2.28E+00	3.65E-01	4.22E-05	1.58E-02	3.01E-03	3.84E-01
2495	497496.65	3858722.63	3.84E-01	3.70E-05	1.61E-02	3.06E-03	4.03E-01	4.01E-01	3.78E-01	1.47E+00	1.04E-01	2.35E+00	4.00E-01	4.32E-05	1.61E-02	3.06E-03	4.19E-01
2496	497596.65	3858722.63	4.29E-01	3.84E-05	1.69E-02	3.19E-03	4.49E-01	4.47E-01	3.92E-01	1.54E+00	1.09E-01	2.49E+00	4.46E-01	4.49E-05	1.69E-02	3.19E-03	4.67E-01
2497	497696.65	3858722.63	4.58E-01	3.95E-05	1.70E-02	3.31E-03	4.78E-01	4.78E-01	4.03E-01	1.55E+00	1.13E-01	2.54E+00	4.77E-01	4.62E-05	1.70E-02	3.31E-03	4.97E-01

2498	497796.65	3858722.63	4.76E-01	4.02E-05	1.69E-02	3.39E-03	4.97E-01	4.97E-01	4.10E-01	1.54E+00	1.16E-01	2.56E+00	4.96E-01	4.70E-05	1.69E-02	3.39E-03	5.16E-01
2499	497896.65	3858722.63	5.02E-01	4.15E-05	1.68E-02	3.48E-03	5.22E-01	5.24E-01	4.24E-01	1.53E+00	1.19E-01	2.60E+00	5.23E-01	4.85E-05	1.68E-02	3.48E-03	5.43E-01
2500	497396.65	3858822.63	3.95E-01	3.68E-05	1.67E-02	3.21E-03	4.15E-01	4.12E-01	3.76E-01	1.53E+00	1.10E-01	2.43E+00	4.12E-01	4.31E-05	1.67E-02	3.21E-03	4.32E-01
2501	497496.65	3858822.63	4.20E-01	3.75E-05	1.67E-02	3.27E-03	4.40E-01	4.38E-01	3.83E-01	1.52E+00	1.12E-01	2.46E+00	4.37E-01	4.39E-05	1.67E-02	3.27E-03	4.57E-01
2502	497596.65	3858822.63	4.80E-01	3.97E-05	1.77E-02	3.38E-03	5.01E-01	5.01E-01	4.06E-01	1.61E+00	1.16E-01	2.63E+00	5.00E-01	4.65E-05	1.77E-02	3.38E-03	5.21E-01
2503	497696.65	3858822.63	5.03E-01	4.14E-05	1.77E-02	3.37E-03	5.24E-01	5.25E-01	4.23E-01	1.62E+00	1.15E-01	2.68E+00	5.24E-01	4.85E-05	1.77E-02	3.37E-03	5.45E-01
2504	497796.65	3858822.63	5.24E-01	4.21E-05	1.78E-02	3.41E-03	5.45E-01	5.47E-01	4.30E-01	1.63E+00	1.17E-01	2.72E+00	5.45E-01	4.93E-05	1.78E-02	3.41E-03	5.67E-01
2505	497896.65	3858822.63	5.69E-01	4.49E-05	1.79E-02	3.51E-03	5.91E-01	5.94E-01	4.58E-01	1.64E+00	1.20E-01	2.81E+00	5.93E-01	5.25E-05	1.79E-02	3.51E-03	6.14E-01
2506	497396.65	3858922.63	4.45E-01	3.84E-05	1.75E-02	3.22E-03	4.66E-01	4.64E-01	3.92E-01	1.59E+00	1.10E-01	2.56E+00	4.64E-01	4.49E-05	1.75E-02	3.22E-03	4.84E-01
2507	497496.65	3858922.63	5.00E-01	4.09E-05	1.78E-02	3.33E-03	5.21E-01	5.22E-01	4.18E-01	1.62E+00	1.14E-01	2.67E+00	5.21E-01	4.79E-05	1.78E-02	3.33E-03	5.42E-01
2508	497596.65	3858922.63	5.05E-01	4.12E-05	1.75E-02	3.33E-03	5.26E-01	5.27E-01	4.21E-01	1.60E+00	1.14E-01	2.66E+00	5.26E-01	4.82E-05	1.75E-02	3.33E-03	5.47E-01
2509	497696.65	3858922.63	5.65E-01	4.47E-05	1.76E-02	3.53E-03	5.86E-01	5.89E-01	4.56E-01	1.61E+00	1.21E-01	2.78E+00	5.88E-01	5.22E-05	1.76E-02	3.53E-03	6.09E-01
2510	497796.65	3858922.63	5.89E-01	4.74E-05	1.75E-02	3.64E-03	6.10E-01	6.14E-01	4.85E-01	1.60E+00	1.24E-01	2.82E+00	6.13E-01	5.55E-05	1.75E-02	3.64E-03	6.34E-01
2511	497896.65	3858922.63	6.43E-01	5.23E-05	1.75E-02	3.82E-03	6.64E-01	6.71E-01	5.35E-01	1.59E+00	1.31E-01	2.93E+00	6.69E-01	6.12E-05	1.75E-02	3.82E-03	6.91E-01
2512	497364.44	3858201.52	1.97E-01	3.26E-05	1.51E-02	2.88E-03	2.15E-01	2.06E-01	3.33E-01	1.37E+00	9.85E-02	2.01E+00	2.05E-01	3.81E-05	1.51E-02	2.88E-03	2.23E-01
2513	497414.44	3858201.52	2.04E-01	3.26E-05	1.52E-02	2.89E-03	2.22E-01	2.13E-01	3.33E-01	1.39E+00	9.90E-02	2.03E+00	2.13E-01	3.81E-05	1.52E-02	2.89E-03	2.31E-01
2514	497464.44	3858201.52	2.11E-01	3.25E-05	1.52E-02	2.92E-03	2.29E-01	2.20E-01	3.33E-01	1.39E+00	9.99E-02	2.04E+00	2.20E-01	3.81E-05	1.52E-02	2.92E-03	2.38E-01
2515	497514.44	3858201.52	2.14E-01	3.25E-05	1.51E-02	2.90E-03	2.32E-01	2.23E-01	3.32E-01	1.38E+00	9.92E-02	2.03E+00	2.22E-01	3.80E-05	1.51E-02	2.90E-03	2.41E-01
2516	497564.44	3858201.52	2.13E-01	3.24E-05	1.51E-02	2.88E-03	2.31E-01	2.22E-01	3.31E-01	1.37E+00	9.86E-02	2.02E+00	2.22E-01	3.79E-05	1.51E-02	2.88E-03	2.40E-01
2517	497614.44	3858201.52	2.15E-01	3.25E-05	1.50E-02	2.88E-03	2.33E-01	2.24E-01	3.32E-01	1.37E+00	9.84E-02	2.02E+00	2.24E-01	3.80E-05	1.50E-02	2.88E-03	2.42E-01
2518	497364.44	3858251.52	2.11E-01	3.27E-05	1.47E-02	2.85E-03	2.28E-01	2.20E-01	3.34E-01	1.34E+00	9.74E-02	1.99E+00	2.19E-01	3.82E-05	1.47E-02	2.85E-03	2.37E-01
2519	497414.44	3858251.52	2.19E-01	3.30E-05	1.48E-02	2.90E-03	2.37E-01	2.29E-01	3.37E-01	1.35E+00	9.91E-02	2.01E+00	2.28E-01	3.86E-05	1.48E-02	2.90E-03	2.46E-01
2520	497464.44	3858251.52	2.17E-01	3.28E-05	1.47E-02	2.89E-03	2.35E-01	2.26E-01	3.35E-01	1.34E+00	9.87E-02	2.00E+00	2.26E-01	3.84E-05	1.47E-02	2.89E-03	2.44E-01
2521	497514.44	3858251.52	2.13E-01	3.25E-05	1.46E-02	2.87E-03	2.31E-01	2.23E-01	3.32E-01	1.33E+00	9.83E-02	1.98E+00	2.22E-01	3.81E-05	1.46E-02	2.87E-03	2.40E-01
2522	497564.44	3858251.52	2.14E-01	3.24E-05	1.45E-02	2.86E-03	2.31E-01	2.23E-01	3.31E-01	1.32E+00	9.79E-02	1.97E+00	2.22E-01	3.79E-05	1.45E-02	2.86E-03	2.40E-01
2523	497614.44	3858251.52	2.14E-01	3.22E-05	1.44E-02	2.85E-03	2.31E-01	2.23E-01	3.29E-01	1.32E+00	9.75E-02	1.97E+00	2.23E-01	3.76E-05	1.44E-02	2.85E-03	2.40E-01
2524	497364.44	3858301.52	2.18E-01	3.26E-05	1.44E-02	2.88E-03	2.35E-01	2.28E-01	3.33E-01	1.31E+00	9.85E-02	1.97E+00	2.27E-01	3.82E-05	1.44E-02	2.88E-03	2.44E-01
2525	497414.44	3858301.52	2.25E-01	3.25E-05	1.44E-02	2.88E-03	2.42E-01	2.34E-01	3.32E-01	1.31E+00	9.86E-02	1.97E+00	2.34E-01	3.80E-05	1.44E-02	2.88E-03	2.51E-01
2526	497464.44	3858301.52	2.21E-01	3.21E-05	1.43E-02	2.87E-03	2.38E-01	2.30E-01	3.28E-01	1.30E+00	9.82E-02	1.96E+00	2.30E-01	3.76E-05	1.43E-02	2.87E-03	2.47E-01
2527	497514.44	3858301.52	2.19E-01	3.19E-05	1.42E-02	2.87E-03	2.36E-01	2.28E-01	3.26E-01	1.29E+00	9.82E-02	1.95E+00	2.28E-01	3.73E-05	1.42E-02	2.87E-03	2.45E-01
2528	497564.44	3858301.52	2.14E-01	3.15E-05	1.41E-02	2.87E-03	2.31E-01	2.24E-01	3.22E-01	1.29E+00	9.81E-02	1.93E+00	2.23E-01	3.68E-05	1.41E-02	2.87E-03	2.40E-01
2529	497614.44	3858301.52	2.14E-01	3.12E-05	1.40E-02	2.87E-03	2.31E-01	2.24E-01	3.19E-01	1.28E+00	9.83E-02	1.92E+00	2.23E-01	3.65E-05	1.40E-02	2.87E-03	2.40E-01
2530	497364.44	3858351.52	2.28E-01	3.18E-05	1.42E-02	2.92E-03	2.46E-01	2.38E-01	3.25E-01	1.29E+00	1.00E-01	1.95E+00	2.38E-01	3.73E-05	1.42E-02	2.92E-03	2.55E-01
2531	497414.44	3858351.52	2.26E-01	3.16E-05	1.41E-02	2.92E-03	2.44E-01	2.36E-01	3.23E-01	1.28E+00	9.99E-02	1.94E+00	2.36E-01	3.70E-05	1.41E-02	2.92E-03	2.53E-01
2532	497464.44	3858351.52	2.27E-01	3.15E-05	1.40E-02	2.92E-03	2.44E-01	2.36E-01	3.22E-01	1.28E+00	1.00E-01	1.94E+00	2.36E-01	3.68E-05	1.40E-02	2.92E-03	2.53E-01
2533	497514.44	3858351.52	2.25E-01	3.13E-05	1.39E-02	2.92E-03	2.42E-01	2.35E-01	3.20E-01	1.27E+00	9.99E-02	1.93E+00	2.35E-01	3.66E-05	1.39E-02	2.92E-03	2.52E-01
2534	497564.44	3858351.52	2.19E-01	3.10E-05	1.38E-02	2.90E-03	2.36E-01	2.29E-01	3.17E-01	1.26E+00	9.92E-02	1.90E+00	2.29E-01	3.63E-05	1.38E-02	2.90E-03	2.45E-01
2535	497614.44	3858351.52	2.19E-01	3.10E-05	1.37E-02	2.89E-03	2.36E-01	2.29E-01	3.17E-01	1.25E+00	9.90E-02	1.90E+00	2.29E-01	3.63E-05	1.37E-02	2.89E-03	2.45E-01
2536	497364.44	3858401.52	2.30E-01	3.15E-05	1.44E-02	2.98E-03	2.48E-01	2.40E-01	3.22E-01	1.32E+00	1.02E-01	1.98E+00	2.40E-01	3.68E-05	1.44E-02	2.98E-03	2.57E-01
2537	497414.44	3858401.52	2.31E-01	3.15E-05	1.43E-02	2.95E-03	2.48E-01	2.41E-01	3.22E-01	1.30E+00	1.01E-01	1.97E+00	2.40E-01	3.69E-05	1.43E-02	2.95E-03	2.58E-01
2538	497464.44	3858401.52	2.28E-01	3.15E-05	1.41E-02	2.93E-03	2.45E-01	2.38E-01	3.22E-01	1.29E+00	1.00E-01	1.95E+00	2.38E-01	3.68E-05	1.41E-02	2.93E-03	2.55E-01
2539	497514.44	3858401.52	2.28E-01	3.23E-05	1.40E-02	2.92E-03	2.45E-01	2.38E-01	3.30E-01	1.28E+00	9.98E-02	1.95E+00	2.37E-01	3.78E-05	1.40E-02	2.92E-03	2.54E-01
2540	497564.44	3858401.52	2.36E-01	3.16E-05	1.40E-02	2.93E-03	2.53E-01	2.46E-01	3.23E-01	1.28E+00	1.00E-01	1.95E+00	2.46E-01	3.69E-05	1.40E-02	2.93E-03	2.63E-01
2541	497614.44	3858401.52	2.46E-01	3.17E-05	1.41E-02	2.95E-03	2.63E-01	2.57E-01	3.23E-01	1.29E+00	1.01E-01	1.97E+00	2.56E-01	3.70E-05	1.41E-02	2.95E-03	2.73E-01
2542	493478.11	3860497.94	1.36E+00	3.43E-04	5.59E-03	5.08E-03	1.37E+00	1.42E+00	3.50E+00	5.10E-01	1.74E-01	5.60E+00	1.42E+00	4.01E-04	5.59E-03	5.08E-03	1.43E+00
2543	493528.11	3860497.94	1.36E+00	3.40E-04	5.50E-03	5.09E-03	1.37E+00	1.42E+00	3.47E+00	5.02E-01	1.74E-01	5.57E+00	1.42E+00	3.98E-04	5.50E-03	5.09E-03	1.43E+00
2544	493478.11	3860547.94	1.33E+00	3.44E-04	5.60E-03	5.05E-03	1.34E+00	1.39E+00	3.51E+00	5.10E-01	1.73E-01	5.59E+00	1.39E+00	4.02E-04	5.60E-03	5.05E-03	1.40E+00
2545	493528.11	3860547.94	1.33E+00	3.38E-04	5.56E-03	5.06E-03	1.34E+00	1.39E+00	3.46E+00	5.07E-01	1.73E-01	5.53E+00	1.39E+00	3.96E-04	5.56E-03	5.06E-03	1.40E+00
2546	493478.11	3860597.94	1.28E+00	3.46E-04	5.28E-03	5.00E-03	1.29E+00	1.33E+00	3.54E+00	4.81E-01	1.71E-01	5.53E+00	1.33E+00	4.05E-04	5.28E-03	5.00E-03	1.34E+00
2547	493528.11	3860597.94	1.30E+00	3.43E-04	5.32E-03	5.01E-03	1.31E+00	1.35E+00	3.50E+00	4.85E-01	1.71E-01	5.51E+00	1.35E+00	4.01E-04	5.32E-03	5.01E-03	1.36E+00
2548	493561.88	3860524.64	1.35E+00	3.39E-04	5.45E-03	5.07E-03	1.36E+00	1.41E+00	3.46E+00	4.97E-01	1.74E-01	5.54E+00	1.41E+00	3.96E-04	5.45E-03	5.07E-03	1.42E+00
2549	493591.88	3860524.64	1.34E+00	3.37E-04	5.41E-03	5.06E-03	1.35E+00	1.40E+00	3.44E+00	4.93E-01	1.73E-01	5.51E+00	1.40E+00	3.94E-04	5.41E-03	5.06E-03	1.41E+00
2550	493561.88	3860554.64	1.33E+00	3.37E-04	5.50E-03	5.05E-03	1.34E+00	1.39E+00	3.44E+00	5.02E-01	1.73E-01	5.50E+00	1.38E+00	3.94E-04	5.50E-03	5.05E-03	1.40E+00
2551	493591.88	3860554.64	1.33E+00	3.38E-04	5.41E-03	5.04E-03	1.34E+00	1.39E+00	3.45E+00	4.94E-01	1.72E-01	5.51E+00	1.38E+00	3.95E-04	5.41E-03	5.04E-03	1.40E+00
2552	492880.5	3860293.11	1.41E+00	3.76E-04	6.40E-03	5.46E-03	1.42E+00	1.47E+00	3.84E+00	5.83E-01	1.87E-01	6.08E+00	1.47E+00	4.40E-04	6.40E-03	5.46E-03	1.48E+00
2553	492930.5	3860293.11	1.44E+00	3.74E-04	6.63E-03	5.43E-03	1.45E+00	1.50E+00	3.82E+00	6.05E-01	1.86E-01	6.11E+00	1.50E+00	4.37E-04	6.63E-03	5.43E-03	1.51E+00
2554	492980.5	3860293.11	1.45E+00	3.69E-04	6.53E-03	5.39E-03	1.47E+00	1.52E+00	3.77E+00	5.96E-01	1.84E-01	6.07E+00	1.51E+00	4.32E-04	6.53E-03	5.39E-03	1.53E+00
2555	493030.5	3860293.11	1.49E+00	3.62E-04	6.44E-03	5.32E-03	1.50E+00	1.55E+00	3.69E+00	5.87E-01	1.82E-01	6.01E+00	1.55E+00	4.23E-04	6.44E-03	5.32E-03	1.56E+00
2556	493080.5	3860293.11	1.49E+00	3.49E-04	6.44E-03	5.24E-03	1.50E+00	1.56E+00	3.57E+00	5.88E-01	1.79E-01	5.89E+00	1.55E+00	4.09E-04	6.44E-03	5.24E-03	1.57E+00
2557	493130.5	3860293.11	1.49E+00	3.55E-04	6.33E-03	5.27E-03	1.50E+00	1.55E+00	3.63E+00	5.78E-01	1.80E-01	5.94E+00	1.55E+00	4.15E-04	6.33E-03	5.27E-03	1.56E+00
2558	493180.5	3860293.11	1.46E+00	3.55E-04	6.48E-03	5.28E-03	1.47E+00	1.52E+00	3.63E+00	5.91E-01	1.81E-01	5.92E+00	1.52E+00	4.16E-04	6.48E-03	5.28E-03	1.53E+00

2559	493230.5	3860293.11	1.44E+00	3.52E-04	6.67E-03	5.27E-03	1.45E+00	1.50E+00	3.60E+00	6.08E-01	1.80E-01	5.89E+00	1.50E+00	4.12E-04	6.67E-03	5.27E-03	1.51E+00
2560	493280.5	3860293.11	1.45E+00	3.46E-04	6.75E-03	5.21E-03	1.46E+00	1.51E+00	3.53E+00	6.16E-01	1.78E-01	5.84E+00	1.51E+00	4.04E-04	6.75E-03	5.21E-03	1.52E+00
2561	493330.5	3860293.11	1.48E+00	3.40E-04	6.78E-03	5.18E-03	1.49E+00	1.54E+00	3.48E+00	6.19E-01	1.77E-01	5.81E+00	1.54E+00	3.98E-04	6.78E-03	5.18E-03	1.55E+00
2562	493380.5	3860293.11	1.49E+00	3.35E-04	6.86E-03	5.14E-03	1.50E+00	1.55E+00	3.42E+00	6.26E-01	1.76E-01	5.78E+00	1.55E+00	3.92E-04	6.86E-03	5.14E-03	1.56E+00
2563	492880.5	3860343.11	1.40E+00	3.75E-04	6.04E-03	5.49E-03	1.41E+00	1.46E+00	3.83E+00	5.51E-01	1.88E-01	6.03E+00	1.45E+00	4.39E-04	6.04E-03	5.49E-03	1.47E+00
2564	492930.5	3860343.11	1.37E+00	3.72E-04	6.13E-03	5.45E-03	1.38E+00	1.43E+00	3.80E+00	5.59E-01	1.87E-01	5.98E+00	1.43E+00	4.35E-04	6.13E-03	5.45E-03	1.44E+00
2565	492980.5	3860343.11	1.41E+00	3.69E-04	6.28E-03	5.35E-03	1.43E+00	1.48E+00	3.77E+00	5.72E-01	1.83E-01	6.01E+00	1.47E+00	4.32E-04	6.28E-03	5.35E-03	1.49E+00
2566	493030.5	3860343.11	1.42E+00	3.66E-04	6.46E-03	5.34E-03	1.44E+00	1.49E+00	3.74E+00	5.89E-01	1.83E-01	6.00E+00	1.48E+00	4.29E-04	6.46E-03	5.34E-03	1.50E+00
2567	493080.5	3860343.11	1.46E+00	3.58E-04	6.40E-03	5.26E-03	1.47E+00	1.52E+00	3.66E+00	5.83E-01	1.80E-01	5.94E+00	1.52E+00	4.19E-04	6.40E-03	5.26E-03	1.53E+00
2568	493130.5	3860343.11	1.46E+00	3.58E-04	6.26E-03	5.26E-03	1.47E+00	1.52E+00	3.66E+00	5.71E-01	1.80E-01	5.93E+00	1.52E+00	4.19E-04	6.26E-03	5.26E-03	1.53E+00
2569	493180.5	3860343.11	1.45E+00	3.57E-04	6.11E-03	5.31E-03	1.46E+00	1.51E+00	3.65E+00	5.57E-01	1.81E-01	5.89E+00	1.51E+00	4.18E-04	6.11E-03	5.31E-03	1.52E+00
2570	493230.5	3860343.11	1.45E+00	3.53E-04	6.04E-03	5.31E-03	1.46E+00	1.52E+00	3.61E+00	5.51E-01	1.82E-01	5.86E+00	1.51E+00	4.13E-04	6.04E-03	5.31E-03	1.52E+00
2571	493280.5	3860343.11	1.43E+00	3.49E-04	6.21E-03	5.28E-03	1.44E+00	1.49E+00	3.56E+00	5.67E-01	1.80E-01	5.80E+00	1.49E+00	4.08E-04	6.21E-03	5.28E-03	1.50E+00
2572	493330.5	3860343.11	1.42E+00	3.45E-04	6.40E-03	5.26E-03	1.43E+00	1.48E+00	3.53E+00	5.84E-01	1.80E-01	5.77E+00	1.48E+00	4.04E-04	6.40E-03	5.26E-03	1.49E+00
2573	493380.5	3860343.11	1.43E+00	3.42E-04	6.51E-03	5.25E-03	1.44E+00	1.49E+00	3.49E+00	5.94E-01	1.80E-01	5.76E+00	1.49E+00	4.00E-04	6.51E-03	5.25E-03	1.50E+00
2574	492880.5	3860393.11	1.33E+00	3.76E-04	5.46E-03	5.51E-03	1.34E+00	1.39E+00	3.85E+00	4.98E-01	1.88E-01	5.92E+00	1.39E+00	4.40E-04	5.46E-03	5.51E-03	1.40E+00
2575	492930.5	3860393.11	1.37E+00	3.75E-04	5.73E-03	5.46E-03	1.38E+00	1.43E+00	3.83E+00	5.23E-01	1.87E-01	5.97E+00	1.43E+00	4.38E-04	5.73E-03	5.46E-03	1.44E+00
2576	492980.5	3860393.11	1.37E+00	3.72E-04	5.85E-03	5.38E-03	1.38E+00	1.43E+00	3.80E+00	5.33E-01	1.84E-01	5.95E+00	1.43E+00	4.35E-04	5.85E-03	5.38E-03	1.44E+00
2577	493030.5	3860393.11	1.36E+00	3.68E-04	6.00E-03	5.34E-03	1.37E+00	1.42E+00	3.76E+00	5.47E-01	1.83E-01	5.91E+00	1.41E+00	4.31E-04	6.00E-03	5.34E-03	1.42E+00
2578	493080.5	3860393.11	1.41E+00	3.61E-04	6.08E-03	5.25E-03	1.42E+00	1.47E+00	3.69E+00	5.55E-01	1.80E-01	5.89E+00	1.47E+00	4.22E-04	6.08E-03	5.25E-03	1.48E+00
2579	493130.5	3860393.11	1.40E+00	3.60E-04	6.24E-03	5.27E-03	1.41E+00	1.46E+00	3.68E+00	5.69E-01	1.80E-01	5.89E+00	1.46E+00	4.21E-04	6.24E-03	5.27E-03	1.47E+00
2580	493180.5	3860393.11	1.41E+00	3.59E-04	6.15E-03	5.30E-03	1.43E+00	1.48E+00	3.66E+00	5.61E-01	1.81E-01	5.88E+00	1.47E+00	4.19E-04	6.15E-03	5.30E-03	1.48E+00
2581	493230.5	3860393.11	1.42E+00	3.55E-04	6.05E-03	5.28E-03	1.43E+00	1.48E+00	3.63E+00	5.51E-01	1.81E-01	5.84E+00	1.48E+00	4.16E-04	6.05E-03	5.28E-03	1.49E+00
2582	493280.5	3860393.11	1.42E+00	3.52E-04	5.94E-03	5.22E-03	1.43E+00	1.48E+00	3.59E+00	5.42E-01	1.79E-01	5.80E+00	1.48E+00	4.12E-04	5.94E-03	5.22E-03	1.49E+00
2583	493330.5	3860393.11	1.43E+00	3.49E-04	5.90E-03	5.18E-03	1.44E+00	1.50E+00	3.56E+00	5.38E-01	1.77E-01	5.77E+00	1.49E+00	4.08E-04	5.90E-03	5.18E-03	1.50E+00
2584	493380.5	3860393.11	1.40E+00	3.44E-04	5.97E-03	5.16E-03	1.42E+00	1.46E+00	3.51E+00	5.45E-01	1.76E-01	5.70E+00	1.46E+00	4.02E-04	5.97E-03	5.16E-03	1.47E+00
2585	492880.5	3860443.11	1.33E+00	3.86E-04	5.33E-03	5.42E-03	1.34E+00	1.39E+00	3.94E+00	4.86E-01	1.85E-01	6.00E+00	1.39E+00	4.51E-04	5.33E-03	5.42E-03	1.40E+00
2586	492930.5	3860443.11	1.32E+00	3.80E-04	5.28E-03	5.39E-03	1.34E+00	1.38E+00	3.88E+00	4.82E-01	1.84E-01	5.93E+00	1.38E+00	4.45E-04	5.28E-03	5.39E-03	1.39E+00
2587	492980.5	3860443.11	1.32E+00	3.74E-04	5.32E-03	5.33E-03	1.33E+00	1.37E+00	3.82E+00	4.85E-01	1.82E-01	5.86E+00	1.37E+00	4.37E-04	5.32E-03	5.33E-03	1.38E+00
2588	493030.5	3860443.11	1.35E+00	3.69E-04	5.63E-03	5.29E-03	1.37E+00	1.41E+00	3.77E+00	5.13E-01	1.81E-01	5.87E+00	1.41E+00	4.31E-04	5.63E-03	5.29E-03	1.42E+00
2589	493080.5	3860443.11	1.34E+00	3.67E-04	5.64E-03	5.27E-03	1.35E+00	1.40E+00	3.75E+00	5.15E-01	1.80E-01	5.84E+00	1.39E+00	4.29E-04	5.64E-03	5.27E-03	1.41E+00
2590	493130.5	3860443.11	1.33E+00	3.64E-04	5.78E-03	5.25E-03	1.34E+00	1.39E+00	3.72E+00	5.27E-01	1.80E-01	5.81E+00	1.38E+00	4.26E-04	5.78E-03	5.25E-03	1.40E+00
2591	493180.5	3860443.11	1.36E+00	3.59E-04	5.85E-03	5.27E-03	1.37E+00	1.42E+00	3.67E+00	5.33E-01	1.80E-01	5.80E+00	1.42E+00	4.20E-04	5.85E-03	5.27E-03	1.43E+00
2592	493230.5	3860443.11	1.37E+00	3.56E-04	5.98E-03	5.23E-03	1.38E+00	1.43E+00	3.64E+00	5.46E-01	1.79E-01	5.79E+00	1.42E+00	4.17E-04	5.98E-03	5.23E-03	1.44E+00
2593	493280.5	3860443.11	1.40E+00	3.53E-04	5.99E-03	5.19E-03	1.41E+00	1.46E+00	3.61E+00	5.46E-01	1.78E-01	5.79E+00	1.45E+00	4.13E-04	5.99E-03	5.19E-03	1.46E+00
2594	493330.5	3860443.11	1.40E+00	3.49E-04	5.91E-03	5.14E-03	1.41E+00	1.46E+00	3.57E+00	5.39E-01	1.76E-01	5.75E+00	1.46E+00	4.09E-04	5.91E-03	5.14E-03	1.47E+00
2595	493380.5	3860443.11	1.40E+00	3.47E-04	5.77E-03	5.13E-03	1.41E+00	1.46E+00	3.54E+00	5.26E-01	1.75E-01	5.70E+00	1.46E+00	4.06E-04	5.77E-03	5.13E-03	1.47E+00
2596	493180.5	3860493.11	1.30E+00	3.62E-04	5.44E-03	5.19E-03	1.32E+00	1.36E+00	3.70E+00	4.96E-01	1.77E-01	5.73E+00	1.36E+00	4.24E-04	5.44E-03	5.19E-03	1.37E+00
2597	493230.5	3860493.11	1.31E+00	3.57E-04	5.58E-03	5.15E-03	1.32E+00	1.37E+00	3.65E+00	5.09E-01	1.76E-01	5.70E+00	1.37E+00	4.18E-04	5.58E-03	5.15E-03	1.38E+00
2598	493280.5	3860493.11	1.34E+00	3.55E-04	5.70E-03	5.10E-03	1.35E+00	1.40E+00	3.63E+00	5.20E-01	1.74E-01	5.73E+00	1.40E+00	4.16E-04	5.70E-03	5.10E-03	1.41E+00
2599	493330.5	3860493.11	1.36E+00	3.53E-04	5.77E-03	5.07E-03	1.37E+00	1.41E+00	3.60E+00	5.26E-01	1.73E-01	5.72E+00	1.41E+00	4.12E-04	5.77E-03	5.07E-03	1.42E+00
2600	493380.5	3860493.11	1.37E+00	3.49E-04	5.82E-03	5.06E-03	1.38E+00	1.43E+00	3.56E+00	5.30E-01	1.73E-01	5.70E+00	1.43E+00	4.08E-04	5.82E-03	5.06E-03	1.44E+00
2601	493330.5	3860543.11	1.31E+00	3.55E-04	5.43E-03	5.02E-03	1.32E+00	1.36E+00	3.62E+00	4.96E-01	1.72E-01	5.65E+00	1.36E+00	4.15E-04	5.43E-03	5.02E-03	1.37E+00
2602	493380.5	3860543.11	1.31E+00	3.50E-04	5.51E-03	5.03E-03	1.32E+00	1.37E+00	3.58E+00	5.02E-01	1.72E-01	5.62E+00	1.37E+00	4.10E-04	5.51E-03	5.03E-03	1.38E+00
2603	494135.94	3860876.85	1.18E+00	3.25E-04	4.48E-03	4.59E-03	1.19E+00	1.23E+00	3.32E+00	4.09E-01	1.57E-01	5.12E+00	1.23E+00	3.80E-04	4.48E-03	4.59E-03	1.24E+00
2604	494185.94	3860876.85	1.18E+00	3.21E-04	4.50E-03	4.60E-03	1.19E+00	1.23E+00	3.28E+00	4.10E-01	1.57E-01	5.08E+00	1.23E+00	3.75E-04	4.50E-03	4.60E-03	1.24E+00
2605	494135.94	3860926.85	1.15E+00	3.30E-04	4.27E-03	4.45E-03	1.16E+00	1.20E+00	3.37E+00	3.89E-01	1.52E-01	5.11E+00	1.19E+00	3.86E-04	4.27E-03	4.45E-03	1.20E+00
2606	494185.94	3860926.85	1.16E+00	3.26E-04	4.32E-03	4.46E-03	1.17E+00	1.21E+00	3.33E+00	3.94E-01	1.53E-01	5.09E+00	1.20E+00	3.82E-04	4.32E-03	4.46E-03	1.21E+00
2607	494135.94	3860976.85	1.10E+00	3.32E-04	4.00E-03	4.33E-03	1.10E+00	1.14E+00	3.39E+00	3.65E-01	1.48E-01	5.05E+00	1.14E+00	3.88E-04	4.00E-03	4.33E-03	1.15E+00
2608	494185.94	3860976.85	1.11E+00	3.30E-04	4.09E-03	4.35E-03	1.12E+00	1.16E+00	3.37E+00	3.73E-01	1.49E-01	5.05E+00	1.15E+00	3.86E-04	4.09E-03	4.35E-03	1.16E+00
2609	494135.94	3861026.85	1.07E+00	3.35E-04	3.82E-03	4.17E-03	1.08E+00	1.12E+00	3.43E+00	3.49E-01	1.43E-01	5.04E+00	1.12E+00	3.92E-04	3.82E-03	4.17E-03	1.13E+00
2610	494185.94	3861026.85	1.07E+00	3.33E-04	3.74E-03	4.19E-03	1.08E+00	1.12E+00	3.40E+00	3.41E-01	1.43E-01	5.00E+00	1.12E+00	3.89E-04	3.74E-03	4.19E-03	1.12E+00
2611	494135.94	3861076.85	1.06E+00	3.36E-04	3.60E-03	4.07E-03	1.07E+00	1.11E+00	3.43E+00	3.28E-01	1.39E-01	5.00E+00	1.11E+00	3.93E-04	3.60E-03	4.07E-03	1.11E+00
2612	494185.94	3861076.85	1.06E+00	3.34E-04	3.66E-03	4.07E-03	1.07E+00	1.11E+00	3.41E+00	3.34E-01	1.39E-01	4.99E+00	1.11E+00	3.91E-04	3.66E-03	4.07E-03	1.11E+00
2613	490360.04	3858710.04	2.79E+00	4.55E-04	2.86E-02	4.88E-03	2.83E+00	2.91E+00	4.65E+00	2.61E+00	1.67E-01	1.03E+01	2.91E+00	5.33E-04	2.86E-02	4.88E-03	2.94E+00
2614	490410.04	3858710.04	2.81E+00	4.37E-04	2.85E-02	4.91E-03	2.84E+00	2.93E+00	4.46E+00	2.60E+00	1.68E-01	1.02E+01	2.92E+00	5.11E-04	2.85E-02	4.91E-03	2.96E+00
2615	490460.04	3858710.04	2.78E+00	4.12E-04	2.90E-02	5.03E-03	2.81E+00	2.90E+00	4.21E+00	2.64E+00	1.72E-01	9.92E+00	2.89E+00	4.82E-04	2.90E-02	5.03E-03	2.93E+00
2616	490510.04	3858710.04	2.75E+00	3.94E-04	2.85E-02	5.09E-03	2.78E+00	2.87E+00	4.02E+00	2.60E+00	1.74E-01	9.67E+00	2.86E+00	4.61E-04	2.85E-02	5.09E-03	2.90E+00
2617	490560.04	3858710.04	2.74E+00	3.81E-04	2.87E-02	5.08E-03	2.78E+00	2.86E+00	3.90E+00	2.62E+00	1.74E-01	9.55E+00	2.86E+00	4.46E-04	2.87E-02	5.08E-03	2.89E+00
2618	490610.04	3858710.04	2.72E+00	3.67E-04	2.91E-02	5.08E-03	2.76E+00	2.84E+00	3.75E+00	2.65E+00	1.74E-01	9.41E+00	2.83E+00	4.29E-04	2.91E-02	5.08E-03	2.87E+00
2619	490660.04	3858710.04	2.69E+00	3.63E-04	2.88E-02	5.06E-03	2.73E+00	2.81E+00	3.71E+00	2.63E+00	1.73E-01	9.32E+00	2.80E+00	4.24E-04	2.88E-02	5.06E-03	2.84E+00

2620	490710.04	3858710.04	2.63E+00	3.45E-04	3.03E-02	5.13E-03	2.66E+00	2.74E+00	3.52E+00	2.76E+00	1.75E-01	9.20E+00	2.74E+00	4.03E-04	3.03E-02	5.13E-03	2.77E+00
2621	490760.04	3858710.04	2.55E+00	3.29E-04	3.08E-02	5.23E-03	2.58E+00	2.66E+00	3.36E+00	2.81E+00	1.79E-01	9.01E+00	2.65E+00	3.85E-04	3.08E-02	5.23E-03	2.69E+00
2622	490810.04	3858710.04	2.46E+00	3.19E-04	3.13E-02	5.30E-03	2.49E+00	2.56E+00	3.26E+00	2.85E+00	1.81E-01	8.86E+00	2.56E+00	3.74E-04	3.13E-02	5.30E-03	2.59E+00
2623	490860.04	3858710.04	2.37E+00	3.05E-04	3.29E-02	5.46E-03	2.41E+00	2.47E+00	3.11E+00	3.00E+00	1.87E-01	8.78E+00	2.47E+00	3.56E-04	3.29E-02	5.46E-03	2.51E+00
2624	490360.04	3858760.04	2.72E+00	4.64E-04	2.94E-02	5.02E-03	2.75E+00	2.83E+00	4.74E+00	2.68E+00	1.72E-01	1.04E+01	2.83E+00	5.43E-04	2.94E-02	5.02E-03	2.86E+00
2625	490410.04	3858760.04	2.73E+00	4.44E-04	2.89E-02	5.08E-03	2.77E+00	2.85E+00	4.53E+00	2.63E+00	1.74E-01	1.02E+01	2.85E+00	5.19E-04	2.89E-02	5.08E-03	2.88E+00
2626	490460.04	3858760.04	2.76E+00	4.19E-04	2.79E-02	5.20E-03	2.79E+00	2.88E+00	4.28E+00	2.55E+00	1.78E-01	9.88E+00	2.87E+00	4.90E-04	2.79E-02	5.20E-03	2.90E+00
2627	490510.04	3858760.04	2.77E+00	3.95E-04	2.67E-02	5.34E-03	2.81E+00	2.90E+00	4.04E+00	2.44E+00	1.83E-01	9.55E+00	2.89E+00	4.62E-04	2.67E-02	5.34E-03	2.92E+00
2628	490560.04	3858760.04	2.72E+00	3.80E-04	2.69E-02	5.38E-03	2.75E+00	2.84E+00	3.89E+00	2.46E+00	1.84E-01	9.37E+00	2.83E+00	4.45E-04	2.69E-02	5.38E-03	2.87E+00
2629	490610.04	3858760.04	2.72E+00	3.64E-04	2.74E-02	5.29E-03	2.75E+00	2.84E+00	3.72E+00	2.50E+00	1.81E-01	9.23E+00	2.83E+00	4.26E-04	2.74E-02	5.29E-03	2.86E+00
2630	490660.04	3858760.04	2.70E+00	3.51E-04	2.72E-02	5.26E-03	2.73E+00	2.82E+00	3.59E+00	2.48E+00	1.80E-01	9.06E+00	2.81E+00	4.11E-04	2.72E-02	5.26E-03	2.85E+00
2631	490710.04	3858760.04	2.67E+00	3.38E-04	2.74E-02	5.40E-03	2.71E+00	2.79E+00	3.45E+00	2.50E+00	1.85E-01	8.92E+00	2.78E+00	3.95E-04	2.74E-02	5.40E-03	2.82E+00
2632	490760.04	3858760.04	2.65E+00	3.20E-04	2.82E-02	5.53E-03	2.68E+00	2.77E+00	3.27E+00	2.58E+00	1.89E-01	8.80E+00	2.76E+00	3.75E-04	2.82E-02	5.53E-03	2.79E+00
2633	490810.04	3858760.04	2.58E+00	3.07E-04	2.99E-02	5.65E-03	2.62E+00	2.70E+00	3.13E+00	2.73E+00	1.93E-01	8.75E+00	2.69E+00	3.59E-04	2.99E-02	5.65E-03	2.73E+00
2634	490860.04	3858760.04	2.50E+00	2.95E-04	3.08E-02	5.74E-03	2.54E+00	2.61E+00	3.02E+00	2.80E+00	1.96E-01	8.63E+00	2.60E+00	3.45E-04	3.08E-02	5.74E-03	2.64E+00
2635	490360.04	3858810.04	2.70E+00	4.67E-04	2.86E-02	5.20E-03	2.74E+00	2.82E+00	4.78E+00	2.61E+00	1.78E-01	1.04E+01	2.82E+00	5.47E-04	2.86E-02	5.20E-03	2.85E+00
2636	490410.04	3858810.04	2.73E+00	4.46E-04	2.78E-02	5.28E-03	2.76E+00	2.84E+00	4.55E+00	2.53E+00	1.81E-01	1.01E+01	2.84E+00	5.22E-04	2.78E-02	5.28E-03	2.87E+00
2637	490460.04	3858810.04	2.67E+00	4.21E-04	2.74E-02	5.49E-03	2.70E+00	2.78E+00	4.31E+00	2.50E+00	1.88E-01	9.77E+00	2.78E+00	4.93E-04	2.74E-02	5.49E-03	2.81E+00
2638	490510.04	3858810.04	2.70E+00	4.05E-04	2.72E-02	5.52E-03	2.73E+00	2.82E+00	4.14E+00	2.48E+00	1.89E-01	9.62E+00	2.81E+00	4.74E-04	2.72E-02	5.52E-03	2.85E+00
2639	490560.04	3858810.04	2.71E+00	3.86E-04	2.69E-02	5.45E-03	2.74E+00	2.83E+00	3.95E+00	2.45E+00	1.86E-01	9.41E+00	2.82E+00	4.52E-04	2.69E-02	5.45E-03	2.86E+00
2640	490610.04	3858810.04	2.72E+00	3.61E-04	2.65E-02	5.49E-03	2.75E+00	2.84E+00	3.69E+00	2.42E+00	1.88E-01	9.13E+00	2.83E+00	4.22E-04	2.65E-02	5.49E-03	2.87E+00
2641	490660.04	3858810.04	2.67E+00	3.44E-04	2.64E-02	5.55E-03	2.70E+00	2.79E+00	3.51E+00	2.41E+00	1.90E-01	8.90E+00	2.78E+00	4.02E-04	2.64E-02	5.55E-03	2.82E+00
2642	490710.04	3858810.04	2.68E+00	3.30E-04	2.60E-02	5.67E-03	2.71E+00	2.80E+00	3.37E+00	2.37E+00	1.94E-01	8.73E+00	2.79E+00	3.86E-04	2.60E-02	5.67E-03	2.83E+00
2643	490760.04	3858810.04	2.65E+00	3.11E-04	2.65E-02	5.80E-03	2.68E+00	2.77E+00	3.17E+00	2.42E+00	1.99E-01	8.56E+00	2.76E+00	3.63E-04	2.65E-02	5.80E-03	2.79E+00
2644	490810.04	3858810.04	2.62E+00	3.04E-04	2.66E-02	5.92E-03	2.65E+00	2.73E+00	3.10E+00	2.43E+00	2.03E-01	8.47E+00	2.73E+00	3.55E-04	2.66E-02	5.92E-03	2.76E+00
2645	490860.04	3858810.04	2.60E+00	2.89E-04	2.71E-02	6.07E-03	2.64E+00	2.72E+00	2.95E+00	2.47E+00	2.07E-01	8.35E+00	2.71E+00	3.38E-04	2.71E-02	6.07E-03	2.75E+00
2646	490360.04	3858860.04	2.59E+00	4.56E-04	2.62E-02	5.50E-03	2.62E+00	2.70E+00	4.66E+00	2.39E+00	1.88E-01	9.94E+00	2.70E+00	5.34E-04	2.62E-02	5.50E-03	2.73E+00
2647	490410.04	3858860.04	2.67E+00	4.43E-04	2.77E-02	5.61E-03	2.70E+00	2.79E+00	4.53E+00	2.53E+00	1.92E-01	1.00E+01	2.78E+00	5.19E-04	2.77E-02	5.61E-03	2.81E+00
2648	490460.04	3858860.04	2.64E+00	4.15E-04	2.79E-02	5.59E-03	2.68E+00	2.76E+00	4.24E+00	2.54E+00	1.91E-01	9.74E+00	2.75E+00	4.86E-04	2.79E-02	5.59E-03	2.79E+00
2649	490510.04	3858860.04	2.67E+00	4.07E-04	2.69E-02	5.58E-03	2.70E+00	2.78E+00	4.16E+00	2.45E+00	1.91E-01	9.59E+00	2.78E+00	4.77E-04	2.69E-02	5.58E-03	2.81E+00
2650	490560.04	3858860.04	2.63E+00	3.86E-04	2.62E-02	5.62E-03	2.66E+00	2.74E+00	3.94E+00	2.39E+00	1.92E-01	9.27E+00	2.74E+00	4.51E-04	2.62E-02	5.62E-03	2.77E+00
2651	490610.04	3858860.04	2.66E+00	3.57E-04	2.56E-02	5.76E-03	2.70E+00	2.78E+00	3.65E+00	2.34E+00	1.97E-01	8.96E+00	2.77E+00	4.18E-04	2.56E-02	5.76E-03	2.81E+00
2652	490660.04	3858860.04	2.66E+00	3.42E-04	2.63E-02	5.89E-03	2.70E+00	2.78E+00	3.49E+00	2.40E+00	2.01E-01	8.87E+00	2.77E+00	4.00E-04	2.63E-02	5.89E-03	2.81E+00
2653	490710.04	3858860.04	2.66E+00	3.32E-04	2.60E-02	5.95E-03	2.69E+00	2.77E+00	3.39E+00	2.37E+00	2.03E-01	8.74E+00	2.77E+00	3.89E-04	2.60E-02	5.95E-03	2.80E+00
2654	490760.04	3858860.04	2.63E+00	3.14E-04	2.51E-02	6.02E-03	2.66E+00	2.74E+00	3.21E+00	2.29E+00	2.06E-01	8.45E+00	2.74E+00	3.68E-04	2.51E-02	6.02E-03	2.77E+00
2655	490810.04	3858860.04	2.64E+00	2.95E-04	2.48E-02	6.12E-03	2.67E+00	2.75E+00	3.01E+00	2.26E+00	2.09E-01	8.24E+00	2.75E+00	3.45E-04	2.48E-02	6.12E-03	2.78E+00
2656	490860.04	3858860.04	2.60E+00	2.74E-04	2.45E-02	6.13E-03	2.63E+00	2.71E+00	2.80E+00	2.23E+00	2.10E-01	7.96E+00	2.71E+00	3.21E-04	2.45E-02	6.13E-03	2.74E+00
2657	490360.04	3858910.04	2.53E+00	4.74E-04	2.36E-02	5.56E-03	2.56E+00	2.64E+00	4.84E+00	2.16E+00	1.90E-01	9.83E+00	2.63E+00	5.55E-04	2.36E-02	5.56E-03	2.66E+00
2658	490410.04	3858910.04	2.54E+00	4.53E-04	2.38E-02	5.56E-03	2.57E+00	2.65E+00	4.62E+00	2.17E+00	1.90E-01	9.64E+00	2.64E+00	5.29E-04	2.38E-02	5.56E-03	2.67E+00
2659	490460.04	3858910.04	2.57E+00	4.29E-04	2.39E-02	5.67E-03	2.60E+00	2.69E+00	4.38E+00	2.18E+00	1.94E-01	9.44E+00	2.68E+00	5.02E-04	2.39E-02	5.67E-03	2.71E+00
2660	490510.04	3858910.04	2.63E+00	4.03E-04	2.49E-02	5.68E-03	2.66E+00	2.74E+00	4.12E+00	2.27E+00	1.94E-01	9.33E+00	2.74E+00	4.72E-04	2.49E-02	5.68E-03	2.77E+00
2661	490560.04	3858910.04	2.62E+00	3.78E-04	2.59E-02	5.85E-03	2.65E+00	2.73E+00	3.87E+00	2.36E+00	2.00E-01	9.16E+00	2.72E+00	4.43E-04	2.59E-02	5.85E-03	2.76E+00
2662	490610.04	3858910.04	2.62E+00	3.54E-04	2.58E-02	5.96E-03	2.65E+00	2.73E+00	3.62E+00	2.35E+00	2.04E-01	8.91E+00	2.73E+00	4.15E-04	2.58E-02	5.96E-03	2.76E+00
2663	490660.04	3858910.04	2.61E+00	3.37E-04	2.57E-02	5.98E-03	2.64E+00	2.72E+00	3.45E+00	2.34E+00	2.04E-01	8.72E+00	2.71E+00	3.95E-04	2.57E-02	5.98E-03	2.75E+00
2664	490710.04	3858910.04	2.62E+00	3.20E-04	2.57E-02	5.98E-03	2.65E+00	2.73E+00	3.27E+00	2.35E+00	2.04E-01	8.55E+00	2.72E+00	3.75E-04	2.57E-02	5.98E-03	2.76E+00
2665	490760.04	3858910.04	2.62E+00	3.02E-04	2.49E-02	6.00E-03	2.65E+00	2.74E+00	3.09E+00	2.27E+00	2.05E-01	8.30E+00	2.73E+00	3.54E-04	2.49E-02	6.00E-03	2.76E+00
2666	490810.04	3858910.04	2.59E+00	2.87E-04	2.42E-02	6.02E-03	2.62E+00	2.70E+00	2.93E+00	2.21E+00	2.06E-01	8.05E+00	2.70E+00	3.36E-04	2.42E-02	6.02E-03	2.73E+00
2667	490860.04	3858910.04	2.59E+00	2.66E-04	2.54E-02	6.09E-03	2.62E+00	2.70E+00	2.71E+00	2.31E+00	2.08E-01	7.94E+00	2.69E+00	3.11E-04	2.54E-02	6.09E-03	2.73E+00
2668	490360.04	3858960.04	2.46E+00	4.84E-04	2.15E-02	5.74E-03	2.49E+00	2.57E+00	4.94E+00	1.96E+00	1.96E-01	9.67E+00	2.56E+00	5.66E-04	2.15E-02	5.74E-03	2.59E+00
2669	490410.04	3858960.04	2.46E+00	4.57E-04	2.15E-02	5.74E-03	2.49E+00	2.57E+00	4.67E+00	1.96E+00	1.96E-01	9.40E+00	2.56E+00	5.35E-04	2.15E-02	5.74E-03	2.59E+00
2670	490460.04	3858960.04	2.50E+00	4.28E-04	2.21E-02	5.82E-03	2.53E+00	2.61E+00	4.37E+00	2.01E+00	1.99E-01	9.19E+00	2.61E+00	5.01E-04	2.21E-02	5.82E-03	2.64E+00
2671	490510.04	3858960.04	2.50E+00	4.04E-04	2.24E-02	5.91E-03	2.53E+00	2.61E+00	4.12E+00	2.05E+00	2.02E-01	8.98E+00	2.60E+00	4.72E-04	2.24E-02	5.91E-03	2.63E+00
2672	490560.04	3858960.04	2.57E+00	3.81E-04	2.25E-02	5.85E-03	2.59E+00	2.68E+00	3.89E+00	2.05E+00	2.00E-01	8.82E+00	2.67E+00	4.45E-04	2.25E-02	5.85E-03	2.70E+00
2673	490610.04	3858960.04	2.59E+00	3.51E-04	2.26E-02	5.94E-03	2.62E+00	2.70E+00	3.59E+00	2.06E+00	2.03E-01	8.55E+00	2.70E+00	4.11E-04	2.26E-02	5.94E-03	2.72E+00
2674	490660.04	3858960.04	2.59E+00	3.41E-04	2.35E-02	5.99E-03	2.62E+00	2.71E+00	3.49E+00	2.15E+00	2.05E-01	8.54E+00	2.70E+00	3.99E-04	2.35E-02	5.99E-03	2.73E+00
2675	490710.04	3858960.04	2.56E+00	3.14E-04	2.41E-02	6.06E-03	2.59E+00	2.67E+00	3.21E+00	2.19E+00	2.07E-01	8.28E+00	2.67E+00	3.67E-04	2.41E-02	6.06E-03	2.70E+00
2676	490760.04	3858960.04	2.57E+00	2.94E-04	2.50E-02	6.04E-03	2.60E+00	2.68E+00	3.00E+00	2.28E+00	2.07E-01	8.17E+00	2.67E+00	3.44E-04	2.50E-02	6.04E-03	2.71E+00
2677	490810.04	3858960.04	2.56E+00	2.76E-04	2.54E-02	6.14E-03	2.59E+00	2.67E+00	2.82E+00	2.31E+00	2.10E-01	8.02E+00	2.67E+00	3.23E-04	2.54E-02	6.14E-03	2.70E+00
2678	490860.04	3858960.04	2.56E+00	2.58E-04	2.50E-02	6.10E-03	2.59E+00	2.67E+00	2.63E+00	2.28E+00	2.09E-01	7.80E+00	2.67E+00	3.01E-04	2.50E-02	6.10E-03	2.70E+00
2679	490360.04	3859010.04	2.42E+00	4.79E-04	2.02E-02	5.76E-03	2.44E+00	2.52E+00	4.90E+00	1.84E+00	1.97E-01	9.46E+00	2.52E+00	5.61E-04	2.02E-02	5.76E-03	2.54E+00
2680	490410.04	3859010.04	2.43E+00	4.50E-04	1.97E-02	5.79E-03	2.45E+00	2.53E+00	4.60E+00	1.80E+00	1.98E-01	9.13E+00	2.53E+00	5.26E-04	1.97E-02	5.79E-03	2.55E+00

2681	490460.04	3859010.04	2.44E+00	4.17E-04	2.01E-02	5.86E-03	2.47E+00	2.55E+00	4.26E+00	1.84E+00	2.00E-01	8.84E+00	2.54E+00	4.87E-04	2.01E-02	5.86E-03	2.57E+00
2682	490510.04	3859010.04	2.44E+00	3.85E-04	2.01E-02	6.03E-03	2.47E+00	2.55E+00	3.94E+00	1.83E+00	2.06E-01	8.52E+00	2.54E+00	4.51E-04	2.01E-02	6.03E-03	2.57E+00
2683	490560.04	3859010.04	2.47E+00	3.71E-04	2.05E-02	6.04E-03	2.50E+00	2.58E+00	3.79E+00	1.87E+00	2.07E-01	8.45E+00	2.58E+00	4.34E-04	2.05E-02	6.04E-03	2.60E+00
2684	490610.04	3859010.04	2.47E+00	3.42E-04	2.07E-02	6.13E-03	2.49E+00	2.57E+00	3.49E+00	1.89E+00	2.10E-01	8.16E+00	2.57E+00	4.00E-04	2.07E-02	6.13E-03	2.60E+00
2685	490660.04	3859010.04	2.54E+00	3.34E-04	2.14E-02	6.01E-03	2.56E+00	2.65E+00	3.41E+00	1.95E+00	2.06E-01	8.21E+00	2.64E+00	3.90E-04	2.14E-02	6.01E-03	2.67E+00
2686	490710.04	3859010.04	2.52E+00	3.11E-04	2.17E-02	6.03E-03	2.55E+00	2.63E+00	3.18E+00	1.98E+00	2.06E-01	8.00E+00	2.63E+00	3.64E-04	2.17E-02	6.03E-03	2.66E+00
2687	490760.04	3859010.04	2.53E+00	2.93E-04	2.20E-02	6.17E-03	2.56E+00	2.64E+00	3.00E+00	2.01E+00	2.11E-01	7.86E+00	2.64E+00	3.43E-04	2.20E-02	6.17E-03	2.67E+00
2688	490810.04	3859010.04	2.50E+00	2.69E-04	2.34E-02	6.46E-03	2.53E+00	2.61E+00	2.74E+00	2.13E+00	2.21E-01	7.71E+00	2.60E+00	3.14E-04	2.34E-02	6.46E-03	2.63E+00
2689	490860.04	3859010.04	2.50E+00	2.52E-04	2.45E-02	6.54E-03	2.53E+00	2.61E+00	2.57E+00	2.24E+00	2.24E-01	7.64E+00	2.61E+00	2.94E-04	2.45E-02	6.54E-03	2.64E+00
2690	490360.04	3859060.04	2.38E+00	4.90E-04	1.86E-02	5.81E-03	2.40E+00	2.48E+00	5.01E+00	1.70E+00	1.99E-01	9.38E+00	2.47E+00	5.74E-04	1.86E-02	5.81E-03	2.50E+00
2691	490410.04	3859060.04	2.35E+00	4.54E-04	1.92E-02	5.86E-03	2.37E+00	2.45E+00	4.64E+00	1.75E+00	2.00E-01	9.04E+00	2.44E+00	5.31E-04	1.92E-02	5.86E-03	2.47E+00
2692	490460.04	3859060.04	2.39E+00	4.20E-04	1.96E-02	5.93E-03	2.41E+00	2.49E+00	4.30E+00	1.78E+00	2.03E-01	8.77E+00	2.49E+00	4.92E-04	1.96E-02	5.93E-03	2.51E+00
2693	490510.04	3859060.04	2.38E+00	3.93E-04	1.85E-02	5.94E-03	2.40E+00	2.48E+00	4.02E+00	1.68E+00	2.03E-01	8.39E+00	2.48E+00	4.60E-04	1.85E-02	5.94E-03	2.50E+00
2694	490560.04	3859060.04	2.39E+00	3.59E-04	1.88E-02	5.96E-03	2.42E+00	2.50E+00	3.67E+00	1.72E+00	2.04E-01	8.09E+00	2.49E+00	4.20E-04	1.88E-02	5.96E-03	2.52E+00
2695	490610.04	3859060.04	2.41E+00	3.39E-04	1.89E-02	5.87E-03	2.44E+00	2.52E+00	3.46E+00	1.72E+00	2.01E-01	7.90E+00	2.51E+00	3.97E-04	1.89E-02	5.87E-03	2.54E+00
2696	490660.04	3859060.04	2.41E+00	3.24E-04	1.90E-02	6.05E-03	2.44E+00	2.52E+00	3.31E+00	1.73E+00	2.07E-01	7.77E+00	2.51E+00	3.79E-04	1.90E-02	6.05E-03	2.54E+00
2697	490710.04	3859060.04	2.45E+00	2.98E-04	1.93E-02	6.26E-03	2.47E+00	2.55E+00	3.05E+00	1.76E+00	2.14E-01	7.57E+00	2.55E+00	3.49E-04	1.93E-02	6.26E-03	2.57E+00
2698	490760.04	3859060.04	2.49E+00	2.77E-04	1.96E-02	6.40E-03	2.52E+00	2.60E+00	2.83E+00	1.79E+00	2.19E-01	7.44E+00	2.59E+00	3.25E-04	1.96E-02	6.40E-03	2.62E+00
2699	490810.04	3859060.04	2.46E+00	2.54E-04	2.02E-02	6.68E-03	2.49E+00	2.57E+00	2.60E+00	1.84E+00	2.28E-01	7.23E+00	2.56E+00	2.98E-04	2.02E-02	6.68E-03	2.59E+00
2700	490860.04	3859060.04	2.57E+00	2.35E-04	2.20E-02	6.77E-03	2.60E+00	2.68E+00	2.41E+00	2.01E+00	2.32E-01	7.32E+00	2.67E+00	2.75E-04	2.20E-02	6.77E-03	2.70E+00
2701	490360.04	3859110.04	2.36E+00	5.02E-04	1.57E-02	5.71E-03	2.38E+00	2.46E+00	5.13E+00	1.43E+00	1.95E-01	9.22E+00	2.46E+00	5.87E-04	1.57E-02	5.71E-03	2.48E+00
2702	490410.04	3859110.04	2.34E+00	4.60E-04	1.63E-02	5.73E-03	2.36E+00	2.44E+00	4.70E+00	1.49E+00	1.96E-01	8.82E+00	2.44E+00	5.38E-04	1.63E-02	5.73E-03	2.46E+00
2703	490460.04	3859110.04	2.33E+00	4.33E-04	1.75E-02	5.76E-03	2.36E+00	2.43E+00	4.42E+00	1.59E+00	1.97E-01	8.64E+00	2.43E+00	5.06E-04	1.75E-02	5.76E-03	2.45E+00
2704	490510.04	3859110.04	2.33E+00	3.83E-04	1.82E-02	5.90E-03	2.35E+00	2.43E+00	3.91E+00	1.66E+00	2.02E-01	8.21E+00	2.42E+00	4.48E-04	1.82E-02	5.90E-03	2.45E+00
2705	490560.04	3859110.04	2.34E+00	3.58E-04	1.86E-02	6.03E-03	2.36E+00	2.44E+00	3.66E+00	1.70E+00	2.06E-01	8.00E+00	2.43E+00	4.19E-04	1.86E-02	6.03E-03	2.46E+00
2706	490610.04	3859110.04	2.36E+00	3.29E-04	1.79E-02	6.14E-03	2.38E+00	2.46E+00	3.36E+00	1.63E+00	2.10E-01	7.67E+00	2.46E+00	3.85E-04	1.79E-02	6.14E-03	2.48E+00
2707	490660.04	3859110.04	2.35E+00	2.94E-04	1.74E-02	6.41E-03	2.38E+00	2.45E+00	3.01E+00	1.59E+00	2.19E-01	7.27E+00	2.45E+00	3.44E-04	1.74E-02	6.41E-03	2.47E+00
2708	490710.04	3859110.04	2.38E+00	2.78E-04	1.76E-02	6.65E-03	2.40E+00	2.48E+00	2.84E+00	1.61E+00	2.27E-01	7.16E+00	2.48E+00	3.25E-04	1.76E-02	6.65E-03	2.50E+00
2709	490760.04	3859110.04	2.36E+00	2.57E-04	1.76E-02	6.85E-03	2.39E+00	2.47E+00	2.63E+00	1.60E+00	2.34E-01	6.93E+00	2.46E+00	3.01E-04	1.76E-02	6.85E-03	2.49E+00
2710	490810.04	3859110.04	2.47E+00	2.32E-04	1.82E-02	6.91E-03	2.50E+00	2.58E+00	2.37E+00	1.66E+00	2.36E-01	6.85E+00	2.58E+00	2.71E-04	1.82E-02	6.91E-03	2.60E+00
2711	490860.04	3859110.04	2.51E+00	2.14E-04	1.83E-02	6.87E-03	2.53E+00	2.62E+00	2.19E+00	1.67E+00	2.35E-01	6.71E+00	2.61E+00	2.51E-04	1.83E-02	6.87E-03	2.64E+00
2712	490360.04	3859160.04	2.39E+00	5.12E-04	1.41E-02	5.69E-03	2.41E+00	2.49E+00	5.23E+00	1.29E+00	1.95E-01	9.21E+00	2.49E+00	5.99E-04	1.41E-02	5.69E-03	2.51E+00
2713	490410.04	3859160.04	2.36E+00	4.66E-04	1.49E-02	5.79E-03	2.38E+00	2.46E+00	4.76E+00	1.36E+00	1.98E-01	8.77E+00	2.46E+00	5.45E-04	1.49E-02	5.79E-03	2.48E+00
2714	490460.04	3859160.04	2.32E+00	4.32E-04	1.53E-02	5.79E-03	2.34E+00	2.42E+00	4.42E+00	1.40E+00	1.98E-01	8.43E+00	2.41E+00	5.06E-04	1.53E-02	5.79E-03	2.43E+00
2715	490510.04	3859160.04	2.30E+00	3.97E-04	1.59E-02	5.96E-03	2.32E+00	2.40E+00	4.06E+00	1.45E+00	2.04E-01	8.12E+00	2.40E+00	4.65E-04	1.59E-02	5.96E-03	2.42E+00
2716	490560.04	3859160.04	2.27E+00	3.57E-04	1.68E-02	6.26E-03	2.29E+00	2.37E+00	3.65E+00	1.53E+00	2.14E-01	7.76E+00	2.36E+00	4.18E-04	1.68E-02	6.26E-03	2.38E+00
2717	490610.04	3859160.04	2.30E+00	3.31E-04	1.72E-02	6.40E-03	2.32E+00	2.39E+00	3.38E+00	1.57E+00	2.19E-01	7.57E+00	2.39E+00	3.87E-04	1.72E-02	6.40E-03	2.41E+00
2718	490660.04	3859160.04	2.29E+00	2.80E-04	1.75E-02	6.93E-03	2.31E+00	2.39E+00	2.86E+00	1.59E+00	2.37E-01	7.07E+00	2.38E+00	3.27E-04	1.75E-02	6.93E-03	2.41E+00
2719	490710.04	3859160.04	2.30E+00	2.62E-04	1.70E-02	6.94E-03	2.33E+00	2.40E+00	2.68E+00	1.55E+00	2.37E-01	6.87E+00	2.40E+00	3.07E-04	1.70E-02	6.94E-03	2.42E+00
2720	490760.04	3859160.04	2.42E+00	2.33E-04	1.65E-02	6.89E-03	2.45E+00	2.53E+00	2.38E+00	1.51E+00	2.36E-01	6.65E+00	2.52E+00	2.72E-04	1.65E-02	6.89E-03	2.55E+00
2721	490810.04	3859160.04	2.42E+00	2.19E-04	1.65E-02	6.82E-03	2.45E+00	2.53E+00	2.24E+00	1.50E+00	2.33E-01	6.51E+00	2.52E+00	2.56E-04	1.65E-02	6.82E-03	2.55E+00
2722	490860.04	3859160.04	2.46E+00	2.07E-04	1.64E-02	6.81E-03	2.49E+00	2.57E+00	2.11E+00	1.50E+00	2.33E-01	6.41E+00	2.56E+00	2.42E-04	1.64E-02	6.81E-03	2.59E+00
2723	490360.04	3859210.04	2.38E+00	5.23E-04	1.22E-02	5.76E-03	2.40E+00	2.48E+00	5.34E+00	1.11E+00	1.97E-01	9.13E+00	2.48E+00	6.12E-04	1.22E-02	5.76E-03	2.49E+00
2724	490410.04	3859210.04	2.36E+00	4.96E-04	1.24E-02	5.84E-03	2.38E+00	2.46E+00	5.07E+00	1.13E+00	2.00E-01	8.86E+00	2.46E+00	5.81E-04	1.24E-02	5.84E-03	2.47E+00
2725	490460.04	3859210.04	2.34E+00	4.35E-04	1.31E-02	6.17E-03	2.36E+00	2.44E+00	4.45E+00	1.19E+00	2.11E-01	8.29E+00	2.44E+00	5.09E-04	1.31E-02	6.17E-03	2.46E+00
2726	490510.04	3859210.04	2.29E+00	4.01E-04	1.38E-02	6.45E-03	2.31E+00	2.39E+00	4.10E+00	1.26E+00	2.21E-01	7.96E+00	2.39E+00	4.69E-04	1.38E-02	6.45E-03	2.41E+00
2727	490560.04	3859210.04	2.26E+00	3.77E-04	1.44E-02	6.51E-03	2.28E+00	2.36E+00	3.86E+00	1.31E+00	2.23E-01	7.75E+00	2.35E+00	4.42E-04	1.44E-02	6.51E-03	2.37E+00
2728	490610.04	3859210.04	2.25E+00	3.43E-04	1.51E-02	6.69E-03	2.28E+00	2.35E+00	3.51E+00	1.38E+00	2.29E-01	7.47E+00	2.35E+00	4.02E-04	1.51E-02	6.69E-03	2.37E+00
2729	490660.04	3859210.04	2.22E+00	2.89E-04	1.60E-02	6.79E-03	2.24E+00	2.32E+00	2.95E+00	1.46E+00	2.32E-01	6.95E+00	2.31E+00	3.38E-04	1.60E-02	6.79E-03	2.33E+00
2730	490710.04	3859210.04	2.23E+00	2.62E-04	1.61E-02	6.82E-03	2.26E+00	2.33E+00	2.67E+00	1.47E+00	2.33E-01	6.71E+00	2.33E+00	3.06E-04	1.61E-02	6.82E-03	2.35E+00
2731	490760.04	3859210.04	2.38E+00	2.35E-04	1.63E-02	7.04E-03	2.41E+00	2.48E+00	2.40E+00	1.49E+00	2.41E-01	6.61E+00	2.48E+00	2.74E-04	1.63E-02	7.04E-03	2.50E+00
2732	490810.04	3859210.04	2.40E+00	2.32E-04	1.62E-02	6.95E-03	2.42E+00	2.50E+00	2.37E+00	1.48E+00	2.38E-01	6.59E+00	2.49E+00	2.72E-04	1.62E-02	6.95E-03	2.52E+00
2733	490860.04	3859210.04	2.37E+00	2.29E-04	1.56E-02	6.89E-03	2.40E+00	2.48E+00	2.34E+00	1.42E+00	2.36E-01	6.47E+00	2.47E+00	2.67E-04	1.56E-02	6.89E-03	2.50E+00
2734	490360.04	3859260.04	2.30E+00	5.30E-04	1.19E-02	6.00E-03	2.32E+00	2.40E+00	5.41E+00	1.08E+00	2.05E-01	9.10E+00	2.39E+00	6.20E-04	1.19E-02	6.00E-03	2.41E+00
2735	490410.04	3859260.04	2.33E+00	5.01E-04	1.15E-02	6.14E-03	2.35E+00	2.43E+00	5.12E+00	1.05E+00	2.10E-01	8.81E+00	2.43E+00	5.86E-04	1.15E-02	6.14E-03	2.45E+00
2736	490460.04	3859260.04	2.30E+00	4.75E-04	1.13E-02	6.14E-03	2.32E+00	2.40E+00	4.86E+00	1.03E+00	2.10E-01	8.50E+00	2.40E+00	5.56E-04	1.13E-02	6.14E-03	2.42E+00
2737	490510.04	3859260.04	2.31E+00	4.48E-04	1.18E-02	6.17E-03	2.33E+00	2.41E+00	4.58E+00	1.08E+00	2.11E-01	8.28E+00	2.41E+00	5.24E-04	1.18E-02	6.17E-03	2.42E+00
2738	490560.04	3859260.04	2.28E+00	4.15E-04	1.25E-02	6.30E-03	2.29E+00	2.37E+00	4.24E+00	1.14E+00	2.16E-01	7.97E+00	2.37E+00	4.86E-04	1.25E-02	6.30E-03	2.39E+00
2739	490610.04	3859260.04	2.23E+00	3.60E-04	1.29E-02	6.51E-03	2.25E+00	2.33E+00	3.68E+00	1.18E+00	2.23E-01	7.41E+00	2.33E+00	4.21E-04	1.29E-02	6.51E-03	2.35E+00
2740	490660.04	3859260.04	2.21E+00	3.53E-04	1.36E-02	6.45E-03	2.23E+00	2.31E+00	3.61E+00	1.24E+00	2.21E-01	7.38E+00	2.31E+00	4.13E-04	1.36E-02	6.45E-03	2.33E+00
2741	490710.04	3859260.04	2.19E+00	3.24E-04	1.43E-02	6.43E-03	2.21E+00	2.29E+00	3.31E+00	1.30E+00	2.20E-01	7.12E+00	2.28E+00	3.79E-04	1.43E-02	6.43E-03	2.30E+00

2742	490760.04	3859260.04	2.19E+00	2.86E-04	1.49E-02	6.64E-03	2.21E+00	2.28E+00	2.92E+00	1.36E+00	2.27E-01	6.79E+00	2.28E+00	3.35E-04	1.49E-02	6.64E-03	2.30E+00
2743	490810.04	3859260.04	2.19E+00	2.75E-04	1.51E-02	6.70E-03	2.21E+00	2.29E+00	2.81E+00	1.38E+00	2.29E-01	6.71E+00	2.28E+00	3.22E-04	1.51E-02	6.70E-03	2.30E+00
2744	490860.04	3859260.04	2.21E+00	2.64E-04	1.54E-02	6.76E-03	2.23E+00	2.31E+00	2.70E+00	1.40E+00	2.31E-01	6.64E+00	2.30E+00	3.09E-04	1.54E-02	6.76E-03	2.32E+00
2745	490360.04	3859310.04	2.37E+00	5.54E-04	1.19E-02	5.83E-03	2.38E+00	2.47E+00	5.66E+00	1.09E+00	1.99E-01	9.41E+00	2.46E+00	6.48E-04	1.19E-02	5.83E-03	2.48E+00
2746	490410.04	3859310.04	2.29E+00	5.22E-04	1.15E-02	5.94E-03	2.31E+00	2.39E+00	5.33E+00	1.05E+00	2.03E-01	8.98E+00	2.39E+00	6.11E-04	1.15E-02	5.94E-03	2.41E+00
2747	490460.04	3859310.04	2.27E+00	4.96E-04	1.10E-02	5.99E-03	2.29E+00	2.37E+00	5.07E+00	1.00E+00	2.05E-01	8.64E+00	2.36E+00	5.80E-04	1.10E-02	5.99E-03	2.38E+00
2748	490510.04	3859310.04	2.29E+00	4.77E-04	1.07E-02	6.05E-03	2.31E+00	2.39E+00	4.88E+00	9.76E-01	2.07E-01	8.45E+00	2.39E+00	5.58E-04	1.07E-02	6.05E-03	2.40E+00
2749	490560.04	3859310.04	2.27E+00	4.55E-04	1.09E-02	6.11E-03	2.29E+00	2.37E+00	4.65E+00	9.90E-01	2.09E-01	8.21E+00	2.37E+00	5.32E-04	1.09E-02	6.11E-03	2.38E+00
2750	490610.04	3859310.04	2.25E+00	4.36E-04	1.14E-02	6.12E-03	2.27E+00	2.35E+00	4.45E+00	1.04E+00	2.09E-01	8.04E+00	2.34E+00	5.10E-04	1.14E-02	6.12E-03	2.36E+00
2751	490660.04	3859310.04	2.20E+00	4.11E-04	1.19E-02	6.21E-03	2.22E+00	2.29E+00	4.20E+00	1.09E+00	2.12E-01	7.79E+00	2.29E+00	4.81E-04	1.19E-02	6.21E-03	2.31E+00
2752	490710.04	3859310.04	2.17E+00	3.61E-04	1.22E-02	6.46E-03	2.19E+00	2.27E+00	3.69E+00	1.11E+00	2.21E-01	7.29E+00	2.26E+00	4.23E-04	1.22E-02	6.46E-03	2.28E+00
2753	490760.04	3859310.04	2.17E+00	3.34E-04	1.29E-02	6.63E-03	2.19E+00	2.26E+00	3.41E+00	1.18E+00	2.27E-01	7.07E+00	2.26E+00	3.90E-04	1.29E-02	6.63E-03	2.28E+00
2754	490810.04	3859310.04	2.12E+00	3.20E-04	1.35E-02	6.67E-03	2.14E+00	2.21E+00	3.27E+00	1.23E+00	2.28E-01	6.94E+00	2.21E+00	3.74E-04	1.35E-02	6.67E-03	2.23E+00
2755	490860.04	3859310.04	2.13E+00	2.97E-04	1.40E-02	6.82E-03	2.16E+00	2.23E+00	3.03E+00	1.28E+00	2.33E-01	6.77E+00	2.22E+00	3.47E-04	1.40E-02	6.82E-03	2.24E+00
2756	490360.04	3859360.04	2.31E+00	5.85E-04	1.17E-02	5.78E-03	2.33E+00	2.41E+00	5.98E+00	1.07E+00	1.98E-01	9.65E+00	2.40E+00	6.85E-04	1.17E-02	5.78E-03	2.42E+00
2757	490410.04	3859360.04	2.31E+00	5.59E-04	1.17E-02	5.85E-03	2.33E+00	2.41E+00	5.71E+00	1.07E+00	2.00E-01	9.39E+00	2.40E+00	6.54E-04	1.17E-02	5.85E-03	2.42E+00
2758	490460.04	3859360.04	2.30E+00	5.37E-04	1.10E-02	5.82E-03	2.32E+00	2.40E+00	5.48E+00	1.01E+00	1.99E-01	9.09E+00	2.40E+00	6.28E-04	1.10E-02	5.82E-03	2.41E+00
2759	490510.04	3859360.04	2.21E+00	5.16E-04	1.07E-02	5.92E-03	2.22E+00	2.30E+00	5.27E+00	9.77E-01	2.03E-01	8.75E+00	2.30E+00	6.04E-04	1.07E-02	5.92E-03	2.31E+00
2760	490560.04	3859360.04	2.24E+00	4.84E-04	1.02E-02	6.04E-03	2.26E+00	2.34E+00	4.95E+00	9.31E-01	2.07E-01	8.43E+00	2.34E+00	5.67E-04	1.02E-02	6.04E-03	2.35E+00
2761	490610.04	3859360.04	2.22E+00	4.56E-04	1.01E-02	6.14E-03	2.23E+00	2.31E+00	4.65E+00	9.24E-01	2.10E-01	8.10E+00	2.31E+00	5.33E-04	1.01E-02	6.14E-03	2.33E+00
2762	490660.04	3859360.04	2.23E+00	4.36E-04	1.06E-02	6.23E-03	2.24E+00	2.32E+00	4.46E+00	9.63E-01	2.13E-01	7.96E+00	2.32E+00	5.10E-04	1.06E-02	6.23E-03	2.34E+00
2763	490710.04	3859360.04	2.18E+00	4.05E-04	1.07E-02	6.30E-03	2.20E+00	2.28E+00	4.14E+00	9.80E-01	2.15E-01	7.61E+00	2.27E+00	4.74E-04	1.07E-02	6.30E-03	2.29E+00
2764	490760.04	3859360.04	2.14E+00	3.70E-04	1.12E-02	6.47E-03	2.16E+00	2.23E+00	3.78E+00	1.02E+00	2.21E-01	7.26E+00	2.23E+00	4.33E-04	1.12E-02	6.47E-03	2.25E+00
2765	490810.04	3859360.04	2.12E+00	3.67E-04	1.16E-02	6.44E-03	2.14E+00	2.21E+00	3.74E+00	1.06E+00	2.20E-01	7.24E+00	2.21E+00	4.29E-04	1.16E-02	6.44E-03	2.23E+00
2766	490860.04	3859360.04	2.11E+00	3.48E-04	1.22E-02	6.53E-03	2.13E+00	2.20E+00	3.56E+00	1.12E+00	2.23E-01	7.10E+00	2.20E+00	4.07E-04	1.22E-02	6.53E-03	2.22E+00
2767	490360.04	3859410.04	2.24E+00	6.15E-04	1.10E-02	5.92E-03	2.26E+00	2.34E+00	6.28E+00	1.00E+00	2.02E-01	9.83E+00	2.33E+00	7.20E-04	1.10E-02	5.92E-03	2.35E+00
2768	490410.04	3859410.04	2.25E+00	5.95E-04	1.09E-02	5.90E-03	2.27E+00	2.35E+00	6.08E+00	9.94E-01	2.02E-01	9.63E+00	2.34E+00	6.97E-04	1.09E-02	5.90E-03	2.36E+00
2769	490460.04	3859410.04	2.28E+00	5.71E-04	1.11E-02	5.90E-03	2.30E+00	2.38E+00	5.84E+00	1.01E+00	2.02E-01	9.43E+00	2.38E+00	6.68E-04	1.11E-02	5.90E-03	2.40E+00
2770	490510.04	3859410.04	2.27E+00	5.52E-04	1.09E-02	5.86E-03	2.29E+00	2.37E+00	5.64E+00	9.91E-01	2.00E-01	9.20E+00	2.37E+00	6.45E-04	1.09E-02	5.86E-03	2.38E+00
2771	490560.04	3859410.04	2.19E+00	5.32E-04	1.04E-02	5.86E-03	2.20E+00	2.28E+00	5.43E+00	9.46E-01	2.00E-01	8.86E+00	2.28E+00	6.22E-04	1.04E-02	5.86E-03	2.29E+00
2772	490610.04	3859410.04	2.18E+00	5.09E-04	9.97E-03	5.89E-03	2.20E+00	2.27E+00	5.20E+00	9.10E-01	2.02E-01	8.59E+00	2.27E+00	5.96E-04	9.97E-03	5.89E-03	2.29E+00
2773	490660.04	3859410.04	2.19E+00	4.70E-04	9.71E-03	6.15E-03	2.21E+00	2.29E+00	4.80E+00	8.85E-01	2.10E-01	8.19E+00	2.29E+00	5.50E-04	9.71E-03	6.15E-03	2.30E+00
2774	490710.04	3859410.04	2.18E+00	4.40E-04	9.56E-03	6.24E-03	2.20E+00	2.28E+00	4.49E+00	8.72E-01	2.14E-01	7.86E+00	2.27E+00	5.15E-04	9.56E-03	6.24E-03	2.29E+00
2775	490760.04	3859410.04	2.17E+00	4.03E-04	1.02E-02	6.41E-03	2.18E+00	2.26E+00	4.12E+00	9.28E-01	2.19E-01	7.53E+00	2.25E+00	4.72E-04	1.02E-02	6.41E-03	2.27E+00
2776	490810.04	3859410.04	2.11E+00	3.95E-04	1.03E-02	6.37E-03	2.13E+00	2.21E+00	4.04E+00	9.36E-01	2.18E-01	7.40E+00	2.20E+00	4.62E-04	1.03E-02	6.37E-03	2.22E+00
2777	490860.04	3859410.04	2.09E+00	3.93E-04	1.07E-02	6.37E-03	2.10E+00	2.18E+00	4.02E+00	9.80E-01	2.18E-01	7.40E+00	2.17E+00	4.60E-04	1.07E-02	6.37E-03	2.19E+00
2778	490360.04	3859460.04	2.16E+00	6.42E-04	1.06E-02	6.10E-03	2.18E+00	2.25E+00	6.56E+00	9.70E-01	2.08E-01	9.99E+00	2.25E+00	7.51E-04	1.06E-02	6.10E-03	2.27E+00
2779	490410.04	3859460.04	2.19E+00	6.21E-04	1.04E-02	5.96E-03	2.21E+00	2.29E+00	6.34E+00	9.51E-01	2.04E-01	9.79E+00	2.28E+00	7.26E-04	1.04E-02	5.96E-03	2.30E+00
2780	490460.04	3859460.04	2.21E+00	6.02E-04	1.04E-02	5.95E-03	2.23E+00	2.31E+00	6.15E+00	9.48E-01	2.03E-01	9.61E+00	2.30E+00	7.04E-04	1.04E-02	5.95E-03	2.32E+00
2781	490510.04	3859460.04	2.23E+00	5.80E-04	1.03E-02	5.92E-03	2.24E+00	2.32E+00	5.93E+00	9.40E-01	2.02E-01	9.40E+00	2.32E+00	6.79E-04	1.03E-02	5.92E-03	2.34E+00
2782	490560.04	3859460.04	2.22E+00	5.62E-04	1.04E-02	5.90E-03	2.23E+00	2.31E+00	5.74E+00	9.53E-01	2.02E-01	9.21E+00	2.31E+00	6.58E-04	1.04E-02	5.90E-03	2.32E+00
2783	490610.04	3859460.04	2.20E+00	5.39E-04	1.01E-02	5.87E-03	2.21E+00	2.29E+00	5.50E+00	9.18E-01	2.01E-01	8.91E+00	2.29E+00	6.30E-04	1.01E-02	5.87E-03	2.30E+00
2784	490660.04	3859460.04	2.13E+00	5.13E-04	9.79E-03	5.99E-03	2.14E+00	2.22E+00	5.24E+00	8.93E-01	2.05E-01	8.56E+00	2.21E+00	6.00E-04	9.79E-03	5.99E-03	2.23E+00
2785	490710.04	3859460.04	2.15E+00	4.92E-04	9.33E-03	6.12E-03	2.17E+00	2.25E+00	5.02E+00	8.51E-01	2.09E-01	8.33E+00	2.24E+00	5.75E-04	9.33E-03	6.12E-03	2.26E+00
2786	490760.04	3859460.04	2.13E+00	4.66E-04	9.19E-03	6.28E-03	2.15E+00	2.22E+00	4.76E+00	8.38E-01	2.15E-01	8.04E+00	2.22E+00	5.45E-04	9.19E-03	6.28E-03	2.24E+00
2787	490810.04	3859460.04	2.14E+00	4.42E-04	9.13E-03	6.27E-03	2.16E+00	2.24E+00	4.52E+00	8.33E-01	2.14E-01	7.80E+00	2.23E+00	5.17E-04	9.13E-03	6.27E-03	2.25E+00
2788	490860.04	3859460.04	2.09E+00	4.32E-04	1.00E-02	6.24E-03	2.11E+00	2.18E+00	4.41E+00	9.13E-01	2.14E-01	7.72E+00	2.18E+00	5.05E-04	1.00E-02	6.24E-03	2.19E+00
2789	490360.04	3859510.04	2.07E+00	6.63E-04	1.05E-02	6.13E-03	2.09E+00	2.16E+00	6.78E+00	9.58E-01	2.09E-01	1.01E+01	2.15E+00	7.76E-04	1.05E-02	6.13E-03	2.17E+00
2790	490410.04	3859510.04	2.11E+00	6.45E-04	1.01E-02	6.03E-03	2.13E+00	2.20E+00	6.59E+00	9.24E-01	2.06E-01	9.92E+00	2.20E+00	7.54E-04	1.01E-02	6.03E-03	2.22E+00
2791	490460.04	3859510.04	2.14E+00	6.24E-04	9.91E-03	5.95E-03	2.15E+00	2.23E+00	6.37E+00	9.04E-01	2.03E-01	9.71E+00	2.22E+00	7.30E-04	9.91E-03	5.95E-03	2.24E+00
2792	490510.04	3859510.04	2.15E+00	6.03E-04	9.79E-03	5.82E-03	2.17E+00	2.24E+00	6.16E+00	8.93E-01	1.99E-01	9.50E+00	2.24E+00	7.06E-04	9.79E-03	5.82E-03	2.26E+00
2793	490560.04	3859510.04	2.17E+00	5.85E-04	9.80E-03	5.74E-03	2.18E+00	2.26E+00	5.98E+00	8.93E-01	1.96E-01	9.33E+00	2.26E+00	6.85E-04	9.80E-03	5.74E-03	2.27E+00
2794	490610.04	3859510.04	2.19E+00	5.65E-04	9.76E-03	5.70E-03	2.20E+00	2.28E+00	5.77E+00	8.90E-01	1.95E-01	9.13E+00	2.28E+00	6.60E-04	9.76E-03	5.70E-03	2.29E+00
2795	490660.04	3859510.04	2.19E+00	5.45E-04	9.87E-03	5.79E-03	2.20E+00	2.28E+00	5.56E+00	9.00E-01	1.98E-01	8.94E+00	2.28E+00	6.37E-04	9.87E-03	5.79E-03	2.29E+00
2796	490710.04	3859510.04	2.10E+00	5.22E-04	9.53E-03	5.90E-03	2.11E+00	2.19E+00	5.33E+00	8.69E-01	2.02E-01	8.59E+00	2.18E+00	6.10E-04	9.53E-03	5.90E-03	2.20E+00
2797	490760.04	3859510.04	2.10E+00	5.00E-04	9.19E-03	5.96E-03	2.12E+00	2.19E+00	5.11E+00	8.38E-01	2.04E-01	8.34E+00	2.19E+00	5.85E-04	9.19E-03	5.96E-03	2.20E+00
2798	490810.04	3859510.04	2.10E+00	4.84E-04	8.76E-03	5.98E-03	2.11E+00	2.19E+00	4.95E+00	7.99E-01	2.04E-01	8.14E+00	2.18E+00	5.67E-04	8.76E-03	5.98E-03	2.20E+00
2799	490860.04	3859510.04	2.09E+00	4.65E-04	8.64E-03	5.99E-03	2.11E+00	2.19E+00	4.75E+00	7.88E-01	2.05E-01	7.93E+00	2.18E+00	5.44E-04	8.64E-03	5.99E-03	2.20E+00
2800	490360.04	3859560.04	2.04E+00	6.82E-04	8.65E-03	6.07E-03	2.06E+00	2.13E+00	6.97E+00	7.89E-01	2.08E-01	1.01E+01	2.13E+00	7.98E-04	8.65E-03	6.07E-03	2.14E+00
2801	490410.04	3859560.04	2.01E+00	6.67E-04	9.62E-03	5.94E-03	2.03E+00	2.10E+00	6.81E+00	8.77E-01	2.03E-01	9.99E+00	2.10E+00	7.80E-04	9.62E-03	5.94E-03	2.11E+00
2802	490460.04	3859560.04	2.07E+00	6.50E-04	9.95E-03	5.87E-03	2.08E+00	2.16E+00	6.64E+00	9.07E-01	2.01E-01	9.91E+00	2.15E+00	7.61E-04	9.95E-03	5.87E-03	2.17E+00

2803	490510.04	3859560.04	2.08E+00	6.31E-04	9.50E-03	5.79E-03	2.10E+00	2.17E+00	6.45E+00	8.67E-01	1.98E-01	9.69E+00	2.17E+00	7.39E-04	9.50E-03	5.79E-03	2.18E+00
2804	490560.04	3859560.04	2.13E+00	6.14E-04	9.53E-03	5.72E-03	2.14E+00	2.22E+00	6.28E+00	8.69E-01	1.96E-01	9.56E+00	2.21E+00	7.19E-04	9.53E-03	5.72E-03	2.23E+00
2805	490610.04	3859560.04	2.12E+00	5.95E-04	9.33E-03	5.74E-03	2.14E+00	2.22E+00	6.07E+00	8.51E-01	1.96E-01	9.34E+00	2.21E+00	6.96E-04	9.33E-03	5.74E-03	2.23E+00
2806	490660.04	3859560.04	2.15E+00	5.73E-04	9.15E-03	5.73E-03	2.17E+00	2.24E+00	5.85E+00	8.34E-01	1.96E-01	9.12E+00	2.24E+00	6.70E-04	9.15E-03	5.73E-03	2.25E+00
2807	490710.04	3859560.04	2.14E+00	5.48E-04	9.25E-03	5.74E-03	2.15E+00	2.23E+00	5.60E+00	8.44E-01	1.96E-01	8.87E+00	2.23E+00	6.41E-04	9.25E-03	5.74E-03	2.24E+00
2808	490760.04	3859560.04	2.10E+00	5.23E-04	9.34E-03	5.80E-03	2.12E+00	2.19E+00	5.34E+00	8.52E-01	1.98E-01	8.58E+00	2.19E+00	6.12E-04	9.34E-03	5.80E-03	2.20E+00
2809	490810.04	3859560.04	2.05E+00	5.02E-04	9.06E-03	5.82E-03	2.06E+00	2.14E+00	5.13E+00	8.26E-01	1.99E-01	8.29E+00	2.13E+00	5.88E-04	9.06E-03	5.82E-03	2.15E+00
2810	490860.04	3859560.04	2.07E+00	4.81E-04	8.71E-03	5.89E-03	2.09E+00	2.16E+00	4.91E+00	7.95E-01	2.01E-01	8.07E+00	2.16E+00	5.63E-04	8.71E-03	5.89E-03	2.17E+00
2811	490187.25	3859422.08	2.16E+00	6.91E-04	1.09E-02	5.95E-03	2.18E+00	2.26E+00	7.06E+00	9.93E-01	2.03E-01	1.05E+01	2.25E+00	8.09E-04	1.09E-02	5.95E-03	2.27E+00
2812	490237.25	3859422.08	2.14E+00	6.72E-04	1.13E-02	5.94E-03	2.16E+00	2.24E+00	6.87E+00	1.03E+00	2.03E-01	1.03E+01	2.23E+00	7.87E-04	1.13E-02	5.94E-03	2.25E+00
2813	490287.25	3859422.08	2.18E+00	6.52E-04	1.12E-02	5.97E-03	2.20E+00	2.28E+00	6.66E+00	1.02E+00	2.04E-01	1.02E+01	2.27E+00	7.62E-04	1.12E-02	5.97E-03	2.29E+00
2814	490337.25	3859422.08	2.20E+00	6.29E-04	1.09E-02	5.95E-03	2.22E+00	2.30E+00	6.42E+00	9.92E-01	2.04E-01	9.92E+00	2.30E+00	7.35E-04	1.09E-02	5.95E-03	2.31E+00
2815	490187.25	3859472.08	2.14E+00	7.14E-04	9.20E-03	6.21E-03	2.15E+00	2.23E+00	7.30E+00	8.39E-01	2.12E-01	1.06E+01	2.22E+00	8.36E-04	9.20E-03	6.21E-03	2.24E+00
2816	490237.25	3859472.08	2.11E+00	6.95E-04	9.70E-03	6.15E-03	2.12E+00	2.20E+00	7.10E+00	8.85E-01	2.10E-01	1.04E+01	2.19E+00	8.13E-04	9.70E-03	6.15E-03	2.21E+00
2817	490287.25	3859472.08	2.08E+00	6.73E-04	1.08E-02	6.13E-03	2.10E+00	2.17E+00	6.87E+00	9.87E-01	2.10E-01	1.02E+01	2.17E+00	7.87E-04	1.08E-02	6.13E-03	2.18E+00
2818	490337.25	3859472.08	2.14E+00	6.55E-04	1.06E-02	6.09E-03	2.15E+00	2.23E+00	6.69E+00	9.68E-01	2.08E-01	1.01E+01	2.23E+00	7.66E-04	1.06E-02	6.09E-03	2.24E+00
2819	490297.07	3859500.42	2.08E+00	6.81E-04	9.75E-03	6.19E-03	2.10E+00	2.17E+00	6.96E+00	8.89E-01	2.12E-01	1.02E+01	2.17E+00	7.97E-04	9.75E-03	6.19E-03	2.19E+00
2820	490327.07	3859500.42	2.06E+00	6.73E-04	1.04E-02	6.11E-03	2.08E+00	2.15E+00	6.87E+00	9.50E-01	2.09E-01	1.02E+01	2.14E+00	7.87E-04	1.04E-02	6.11E-03	2.16E+00
2821	490297.07	3859530.42	2.06E+00	6.92E-04	8.66E-03	6.22E-03	2.08E+00	2.15E+00	7.07E+00	7.90E-01	2.13E-01	1.02E+01	2.15E+00	8.10E-04	8.66E-03	6.22E-03	2.16E+00
2822	490327.07	3859530.42	2.07E+00	6.82E-04	9.13E-03	6.16E-03	2.08E+00	2.16E+00	6.96E+00	8.33E-01	2.11E-01	1.02E+01	2.15E+00	7.98E-04	9.13E-03	6.16E-03	2.17E+00
2823	490319.73	3859055.34	2.37E+00	5.20E-04	1.79E-02	5.79E-03	2.40E+00	2.48E+00	5.32E+00	1.63E+00	1.98E-01	9.62E+00	2.47E+00	6.09E-04	1.79E-02	5.79E-03	2.50E+00
2824	490319.73	3859105.34	2.40E+00	5.33E-04	1.58E-02	5.73E-03	2.43E+00	2.51E+00	5.45E+00	1.44E+00	1.96E-01	9.59E+00	2.50E+00	6.24E-04	1.58E-02	5.73E-03	2.53E+00
2825	490069.73	3859155.34	2.48E+00	6.51E-04	1.47E-02	5.87E-03	2.51E+00	2.59E+00	6.66E+00	1.34E+00	2.01E-01	1.08E+01	2.59E+00	7.62E-04	1.47E-02	5.87E-03	2.61E+00
2826	490119.73	3859155.34	2.49E+00	6.34E-04	1.41E-02	5.83E-03	2.51E+00	2.60E+00	6.48E+00	1.29E+00	1.99E-01	1.06E+01	2.59E+00	7.42E-04	1.41E-02	5.83E-03	2.61E+00
2827	490269.73	3859155.34	2.41E+00	5.84E-04	1.33E-02	5.66E-03	2.43E+00	2.51E+00	5.97E+00	1.21E+00	1.93E-01	9.89E+00	2.51E+00	6.84E-04	1.33E-02	5.66E-03	2.53E+00
2828	490319.73	3859155.34	2.39E+00	5.47E-04	1.37E-02	5.68E-03	2.41E+00	2.49E+00	5.59E+00	1.25E+00	1.94E-01	9.52E+00	2.48E+00	6.40E-04	1.37E-02	5.68E-03	2.50E+00
2829	490069.73	3859205.34	2.41E+00	6.72E-04	1.42E-02	5.60E-03	2.43E+00	2.51E+00	6.87E+00	1.29E+00	1.92E-01	1.09E+01	2.51E+00	7.87E-04	1.42E-02	5.60E-03	2.53E+00
2830	490119.73	3859205.34	2.42E+00	6.64E-04	1.43E-02	5.53E-03	2.44E+00	2.53E+00	6.78E+00	1.31E+00	1.89E-01	1.08E+01	2.52E+00	7.76E-04	1.43E-02	5.53E-03	2.54E+00
2831	490169.73	3859205.34	2.45E+00	6.46E-04	1.34E-02	5.53E-03	2.47E+00	2.56E+00	6.60E+00	1.22E+00	1.89E-01	1.06E+01	2.55E+00	7.56E-04	1.34E-02	5.53E-03	2.57E+00
2832	490219.73	3859205.34	2.44E+00	6.16E-04	1.31E-02	5.53E-03	2.46E+00	2.55E+00	6.30E+00	1.19E+00	1.89E-01	1.02E+01	2.54E+00	7.21E-04	1.31E-02	5.53E-03	2.56E+00
2833	490269.73	3859205.34	2.35E+00	5.75E-04	1.27E-02	5.61E-03	2.37E+00	2.45E+00	5.87E+00	1.15E+00	1.92E-01	9.67E+00	2.45E+00	6.73E-04	1.27E-02	5.61E-03	2.46E+00
2834	490319.73	3859205.34	2.36E+00	5.50E-04	1.22E-02	5.66E-03	2.38E+00	2.46E+00	5.62E+00	1.11E+00	1.94E-01	9.39E+00	2.46E+00	6.44E-04	1.22E-02	5.66E-03	2.48E+00
2835	490069.73	3859255.34	2.33E+00	6.85E-04	1.30E-02	5.42E-03	2.35E+00	2.43E+00	7.00E+00	1.18E+00	1.85E-01	1.08E+01	2.43E+00	8.02E-04	1.30E-02	5.42E-03	2.45E+00
2836	490119.73	3859255.34	2.35E+00	6.75E-04	1.34E-02	5.49E-03	2.37E+00	2.45E+00	6.90E+00	1.22E+00	1.88E-01	1.08E+01	2.44E+00	7.90E-04	1.34E-02	5.49E-03	2.46E+00
2837	490169.73	3859255.34	2.37E+00	6.59E-04	1.34E-02	5.54E-03	2.39E+00	2.47E+00	6.74E+00	1.22E+00	1.90E-01	1.06E+01	2.46E+00	7.71E-04	1.34E-02	5.54E-03	2.48E+00
2838	490219.73	3859255.34	2.40E+00	6.32E-04	1.34E-02	5.54E-03	2.42E+00	2.50E+00	6.46E+00	1.22E+00	1.90E-01	1.04E+01	2.50E+00	7.39E-04	1.34E-02	5.54E-03	2.52E+00
2839	490269.73	3859255.34	2.39E+00	5.97E-04	1.26E-02	5.66E-03	2.41E+00	2.50E+00	6.09E+00	1.15E+00	1.94E-01	9.93E+00	2.49E+00	6.98E-04	1.26E-02	5.66E-03	2.51E+00
2840	490319.73	3859255.34	2.36E+00	5.69E-04	1.22E-02	5.79E-03	2.38E+00	2.47E+00	5.82E+00	1.12E+00	1.98E-01	9.60E+00	2.46E+00	6.66E-04	1.22E-02	5.79E-03	2.48E+00
2841	490069.73	3859305.34	2.22E+00	6.95E-04	1.28E-02	5.53E-03	2.24E+00	2.32E+00	7.10E+00	1.17E+00	1.89E-01	1.08E+01	2.31E+00	8.13E-04	1.28E-02	5.53E-03	2.33E+00
2842	490119.73	3859305.34	2.29E+00	6.80E-04	1.24E-02	5.47E-03	2.30E+00	2.39E+00	6.94E+00	1.13E+00	1.87E-01	1.06E+01	2.38E+00	7.95E-04	1.24E-02	5.47E-03	2.40E+00
2843	490169.73	3859305.34	2.28E+00	6.62E-04	1.26E-02	5.54E-03	2.30E+00	2.38E+00	6.76E+00	1.15E+00	1.89E-01	1.05E+01	2.38E+00	7.74E-04	1.26E-02	5.54E-03	2.40E+00
2844	490219.73	3859305.34	2.32E+00	6.38E-04	1.24E-02	5.60E-03	2.34E+00	2.42E+00	6.52E+00	1.13E+00	1.92E-01	1.03E+01	2.42E+00	7.47E-04	1.24E-02	5.60E-03	2.44E+00
2845	490269.73	3859305.34	2.34E+00	6.14E-04	1.26E-02	5.71E-03	2.36E+00	2.44E+00	6.27E+00	1.15E+00	1.95E-01	1.01E+01	2.44E+00	7.18E-04	1.26E-02	5.71E-03	2.46E+00
2846	490319.73	3859305.34	2.37E+00	5.82E-04	1.24E-02	5.77E-03	2.39E+00	2.48E+00	5.95E+00	1.13E+00	1.97E-01	9.75E+00	2.47E+00	6.81E-04	1.24E-02	5.77E-03	2.49E+00
2847	490069.73	3859355.34	2.22E+00	7.09E-04	1.13E-02	5.74E-03	2.24E+00	2.31E+00	7.25E+00	1.03E+00	1.96E-01	1.08E+01	2.31E+00	8.30E-04	1.13E-02	5.74E-03	2.33E+00
2848	490119.73	3859355.34	2.18E+00	7.00E-04	1.21E-02	5.75E-03	2.20E+00	2.28E+00	7.15E+00	1.11E+00	1.97E-01	1.07E+01	2.27E+00	8.19E-04	1.21E-02	5.75E-03	2.29E+00
2849	490169.73	3859355.34	2.22E+00	6.84E-04	1.21E-02	5.74E-03	2.24E+00	2.32E+00	6.98E+00	1.10E+00	1.96E-01	1.06E+01	2.31E+00	8.00E-04	1.21E-02	5.74E-03	2.33E+00
2850	490219.73	3859355.34	2.24E+00	6.58E-04	1.16E-02	5.71E-03	2.26E+00	2.34E+00	6.73E+00	1.06E+00	1.95E-01	1.03E+01	2.33E+00	7.70E-04	1.16E-02	5.71E-03	2.35E+00
2851	490269.73	3859355.34	2.28E+00	6.38E-04	1.18E-02	5.68E-03	2.30E+00	2.38E+00	6.52E+00	1.07E+00	1.94E-01	1.02E+01	2.37E+00	7.46E-04	1.18E-02	5.68E-03	2.39E+00
2852	490319.73	3859355.34	2.30E+00	6.09E-04	1.17E-02	5.68E-03	2.32E+00	2.40E+00	6.22E+00	1.06E+00	1.94E-01	9.88E+00	2.40E+00	7.12E-04	1.17E-02	5.68E-03	2.41E+00
2853	490069.73	3859405.34	2.12E+00	7.27E-04	1.02E-02	5.84E-03	2.14E+00	2.21E+00	7.43E+00	9.27E-01	2.00E-01	1.08E+01	2.21E+00	8.51E-04	1.02E-02	5.84E-03	2.22E+00
2854	490119.73	3859405.34	2.19E+00	7.14E-04	1.01E-02	5.89E-03	2.21E+00	2.29E+00	7.29E+00	9.23E-01	2.01E-01	1.07E+01	2.29E+00	8.35E-04	1.01E-02	5.89E-03	2.30E+00
2855	490169.73	3859405.34	2.17E+00	6.95E-04	1.13E-02	5.83E-03	2.19E+00	2.27E+00	7.10E+00	1.03E+00	2.00E-01	1.06E+01	2.26E+00	8.14E-04	1.13E-02	5.83E-03	2.28E+00
2856	490219.73	3859405.34	2.16E+00	6.74E-04	1.15E-02	5.85E-03	2.18E+00	2.26E+00	6.88E+00	1.05E+00	2.00E-01	1.04E+01	2.25E+00	7.88E-04	1.15E-02	5.85E-03	2.27E+00
2857	490269.73	3859405.34	2.20E+00	6.50E-04	1.13E-02	5.89E-03	2.21E+00	2.29E+00	6.64E+00	1.03E+00	2.01E-01	1.02E+01	2.29E+00	7.60E-04	1.13E-02	5.89E-03	2.31E+00
2858	490319.73	3859405.34	2.22E+00	6.28E-04	1.11E-02	5.93E-03	2.24E+00	2.32E+00	6.41E+00	1.01E+00	2.03E-01	9.95E+00	2.32E+00	7.34E-04	1.11E-02	5.93E-03	2.33E+00
2859	490161.89	3859541.83	2.12E+00	7.47E-04	8.37E-03	6.34E-03	2.13E+00	2.21E+00	7.63E+00	7.63E-01	2.17E-01	1.08E+01	2.21E+00	8.74E-04	8.37E-03	6.34E-03	2.22E+00
2860	490171.89	3859541.83	2.10E+00	7.42E-04	8.46E-03	6.34E-03	2.12E+00	2.20E+00	7.59E+00	7.72E-01	2.17E-01	1.08E+01	2.19E+00	8.69E-04	8.46E-03	6.34E-03	2.21E+00
2861	490161.89	3859551.83	2.12E+00	7.52E-04	8.24E-03	6.40E-03	2.14E+00	2.22E+00	7.68E+00	7.51E-01	2.19E-01	1.09E+01	2.21E+00	8.79E-04	8.24E-03	6.40E-03	2.23E+00
2862	490171.89	3859551.83	2.12E+00	7.48E-04	8.25E-03	6.39E-03	2.13E+00	2.21E+00	7.64E+00	7.53E-01	2.19E-01	1.08E+01	2.20E+00	8.75E-04	8.25E-03	6.39E-03	2.22E+00
2863	489799.72	3859348.21	2.26E+00	8.01E-04	9.67E-03	5.80E-03	2.28E+00	2.36E+00	8.18E+00	8.82E-01	1.98E-01	1.16E+01	2.36E+00	9.37E-04	9.67E-03	5.80E-03	2.37E+00

2864	489819.72	3859348.21	2.27E+00	7.92E-04	9.90E-03	5.79E-03	2.29E+00	2.37E+00	8.09E+00	9.03E-01	1.98E-01	1.16E+01	2.37E+00	9.26E-04	9.90E-03	5.79E-03	2.38E+00
2865	489799.72	3859368.21	2.30E+00	8.10E-04	9.54E-03	5.82E-03	2.31E+00	2.40E+00	8.27E+00	8.70E-01	1.99E-01	1.17E+01	2.39E+00	9.48E-04	9.54E-03	5.82E-03	2.41E+00
2866	489819.72	3859368.21	2.25E+00	8.00E-04	9.50E-03	5.76E-03	2.27E+00	2.35E+00	8.17E+00	8.66E-01	1.97E-01	1.16E+01	2.35E+00	9.36E-04	9.50E-03	5.76E-03	2.36E+00
2867	489775.41	3859329.72	2.28E+00	8.04E-04	9.86E-03	5.94E-03	2.29E+00	2.37E+00	8.21E+00	8.99E-01	2.03E-01	1.17E+01	2.37E+00	9.41E-04	9.86E-03	5.94E-03	2.39E+00
2868	489795.41	3859329.72	2.28E+00	7.97E-04	1.01E-02	5.87E-03	2.29E+00	2.37E+00	8.14E+00	9.24E-01	2.01E-01	1.16E+01	2.37E+00	9.32E-04	1.01E-02	5.87E-03	2.39E+00
2869	489775.41	3859349.72	2.31E+00	8.15E-04	9.70E-03	5.81E-03	2.33E+00	2.41E+00	8.32E+00	8.84E-01	1.99E-01	1.18E+01	2.41E+00	9.53E-04	9.70E-03	5.81E-03	2.42E+00
2870	489795.41	3859349.72	2.27E+00	8.04E-04	9.66E-03	5.79E-03	2.29E+00	2.37E+00	8.21E+00	8.81E-01	1.98E-01	1.17E+01	2.37E+00	9.40E-04	9.66E-03	5.79E-03	2.38E+00
2871	489595.05	3859219.43	2.37E+00	8.59E-04	1.10E-02	6.31E-03	2.38E+00	2.47E+00	8.77E+00	1.00E+00	2.16E-01	1.25E+01	2.46E+00	1.00E-03	1.10E-02	6.31E-03	2.48E+00
2872	489615.05	3859219.43	2.37E+00	8.46E-04	1.11E-02	6.25E-03	2.39E+00	2.47E+00	8.64E+00	1.02E+00	2.14E-01	1.23E+01	2.47E+00	9.89E-04	1.11E-02	6.25E-03	2.49E+00
2873	489595.05	3859239.43	2.38E+00	8.67E-04	1.08E-02	6.37E-03	2.40E+00	2.48E+00	8.86E+00	9.81E-01	2.18E-01	1.25E+01	2.48E+00	1.01E-03	1.08E-02	6.37E-03	2.49E+00
2874	489615.05	3859239.43	2.37E+00	8.56E-04	1.09E-02	6.35E-03	2.38E+00	2.47E+00	8.74E+00	9.90E-01	2.17E-01	1.24E+01	2.46E+00	1.00E-03	1.09E-02	6.35E-03	2.48E+00
2875	489372.4	3859092.58	2.37E+00	9.11E-04	1.25E-02	6.02E-03	2.39E+00	2.47E+00	9.31E+00	1.14E+00	2.06E-01	1.31E+01	2.46E+00	1.07E-03	1.25E-02	6.02E-03	2.48E+00
2876	489422.4	3859092.58	2.30E+00	8.85E-04	1.20E-02	5.98E-03	2.32E+00	2.40E+00	9.04E+00	1.09E+00	2.05E-01	1.27E+01	2.40E+00	1.04E-03	1.20E-02	5.98E-03	2.42E+00
2877	489372.4	3859142.58	2.52E+00	9.29E-04	1.20E-02	6.19E-03	2.54E+00	2.63E+00	9.49E+00	1.09E+00	2.12E-01	1.34E+01	2.63E+00	1.09E-03	1.20E-02	6.19E-03	2.65E+00
2878	489422.4	3859142.58	2.41E+00	9.02E-04	1.18E-02	5.94E-03	2.43E+00	2.52E+00	9.22E+00	1.07E+00	2.03E-01	1.30E+01	2.51E+00	1.06E-03	1.18E-02	5.94E-03	2.53E+00
2879	488870.84	3858666.64	2.95E+00	8.37E-04	2.83E-02	5.33E-03	2.99E+00	3.08E+00	8.55E+00	2.58E+00	1.82E-01	1.44E+01	3.08E+00	9.79E-04	2.83E-02	5.33E-03	3.11E+00
2880	488900.84	3858666.64	2.69E+00	8.24E-04	2.78E-02	5.69E-03	2.73E+00	2.81E+00	8.42E+00	2.53E+00	1.95E-01	1.40E+01	2.81E+00	9.64E-04	2.78E-02	5.69E-03	2.84E+00
2881	488870.84	3858696.64	3.08E+00	8.73E-04	2.58E-02	5.88E-03	3.12E+00	3.22E+00	8.92E+00	2.36E+00	2.01E-01	1.47E+01	3.21E+00	1.02E-03	2.58E-02	5.88E-03	3.24E+00
2882	488900.84	3858696.64	2.92E+00	8.54E-04	2.64E-02	5.75E-03	2.96E+00	3.05E+00	8.72E+00	2.41E+00	1.97E-01	1.44E+01	3.04E+00	9.99E-04	2.64E-02	5.75E-03	3.08E+00
2883	488889.67	3858683.97	2.93E+00	8.46E-04	2.71E-02	5.77E-03	2.96E+00	3.06E+00	8.64E+00	2.47E+00	1.97E-01	1.44E+01	3.05E+00	9.89E-04	2.71E-02	5.77E-03	3.09E+00
2884	488919.67	3858683.97	2.67E+00	8.33E-04	2.66E-02	5.63E-03	2.71E+00	2.79E+00	8.51E+00	2.43E+00	1.93E-01	1.39E+01	2.78E+00	9.74E-04	2.66E-02	5.63E-03	2.82E+00
2885	488889.67	3858713.97	3.07E+00	8.76E-04	2.46E-02	5.88E-03	3.10E+00	3.20E+00	8.95E+00	2.25E+00	2.01E-01	1.46E+01	3.20E+00	1.03E-03	2.46E-02	5.88E-03	3.23E+00
2886	488919.67	3858713.97	2.91E+00	8.67E-04	2.54E-02	5.81E-03	2.94E+00	3.03E+00	8.86E+00	2.31E+00	1.99E-01	1.44E+01	3.03E+00	1.01E-03	2.54E-02	5.81E-03	3.06E+00
2887	488906.61	3858703.33	2.92E+00	8.58E-04	2.61E-02	5.82E-03	2.96E+00	3.05E+00	8.77E+00	2.38E+00	1.99E-01	1.44E+01	3.04E+00	1.00E-03	2.61E-02	5.82E-03	3.08E+00
2888	488936.61	3858703.33	2.70E+00	8.47E-04	2.53E-02	5.74E-03	2.73E+00	2.81E+00	8.65E+00	2.31E+00	1.96E-01	1.40E+01	2.81E+00	9.91E-04	2.53E-02	5.74E-03	2.84E+00
2889	488906.61	3858733.33	3.07E+00	8.92E-04	2.33E-02	5.86E-03	3.10E+00	3.20E+00	9.11E+00	2.12E+00	2.00E-01	1.46E+01	3.20E+00	1.04E-03	2.33E-02	5.86E-03	3.23E+00
2890	488936.61	3858733.33	2.91E+00	8.81E-04	2.44E-02	5.79E-03	2.94E+00	3.04E+00	9.00E+00	2.23E+00	1.98E-01	1.45E+01	3.03E+00	1.03E-03	2.44E-02	5.79E-03	3.06E+00
2891	488637.63	3858467.85	3.24E+00	7.26E-04	4.44E-02	6.51E-03	3.30E+00	3.38E+00	7.42E+00	4.05E+00	2.23E-01	1.51E+01	3.38E+00	8.50E-04	4.44E-02	6.51E-03	3.43E+00
2892	488662.63	3858467.85	3.11E+00	7.29E-04	4.68E-02	6.56E-03	3.17E+00	3.25E+00	7.45E+00	4.27E+00	2.24E-01	1.52E+01	3.24E+00	8.53E-04	4.68E-02	6.56E-03	3.30E+00
2893	488637.63	3858492.85	3.28E+00	7.52E-04	4.12E-02	6.60E-03	3.33E+00	3.42E+00	7.68E+00	3.76E+00	2.26E-01	1.51E+01	3.42E+00	8.80E-04	4.12E-02	6.60E-03	3.46E+00
2894	488662.63	3858492.85	3.22E+00	7.50E-04	4.06E-02	6.51E-03	3.26E+00	3.36E+00	7.66E+00	3.71E+00	2.22E-01	1.49E+01	3.35E+00	8.77E-04	4.06E-02	6.51E-03	3.40E+00
2895	488687.63	3858492.85	3.11E+00	7.49E-04	4.39E-02	6.34E-03	3.16E+00	3.24E+00	7.66E+00	4.01E+00	2.17E-01	1.51E+01	3.24E+00	8.77E-04	4.39E-02	6.34E-03	3.29E+00
2896	488637.63	3858517.85	3.31E+00	7.80E-04	3.59E-02	6.56E-03	3.36E+00	3.46E+00	7.97E+00	3.27E+00	2.24E-01	1.49E+01	3.45E+00	9.12E-04	3.59E-02	6.56E-03	3.49E+00
2897	488662.63	3858517.85	3.26E+00	7.75E-04	3.75E-02	6.50E-03	3.31E+00	3.41E+00	7.92E+00	3.42E+00	2.22E-01	1.50E+01	3.40E+00	9.07E-04	3.75E-02	6.50E-03	3.44E+00
2898	488687.63	3858517.85	3.19E+00	7.76E-04	3.87E-02	6.37E-03	3.23E+00	3.33E+00	7.93E+00	3.53E+00	2.18E-01	1.50E+01	3.32E+00	9.08E-04	3.87E-02	6.37E-03	3.37E+00
2899	488194.42	3857168.98	4.58E+00	3.19E-04	1.63E-02	5.42E-03	4.60E+00	4.78E+00	3.26E+00	1.48E+00	1.85E-01	9.70E+00	4.77E+00	3.73E-04	1.63E-02	5.42E-03	4.79E+00
2900	488244.42	3857168.98	4.45E+00	3.24E-04	1.71E-02	5.32E-03	4.47E+00	4.64E+00	3.31E+00	1.56E+00	1.82E-01	9.69E+00	4.63E+00	3.79E-04	1.71E-02	5.32E-03	4.65E+00
2901	488294.42	3857168.98	4.33E+00	3.30E-04	1.85E-02	5.32E-03	4.35E+00	4.52E+00	3.37E+00	1.69E+00	1.82E-01	9.76E+00	4.51E+00	3.86E-04	1.85E-02	5.32E-03	4.53E+00
2902	488244.42	3857218.98	4.58E+00	3.33E-04	1.91E-02	5.49E-03	4.61E+00	4.78E+00	3.40E+00	1.74E+00	1.88E-01	1.01E+01	4.77E+00	3.89E-04	1.91E-02	5.49E-03	4.80E+00
2903	488294.42	3857218.98	4.45E+00	3.37E-04	1.98E-02	5.48E-03	4.48E+00	4.64E+00	3.45E+00	1.80E+00	1.87E-01	1.01E+01	4.63E+00	3.95E-04	1.98E-02	5.48E-03	4.66E+00
2904	488294.42	3857268.98	4.55E+00	3.45E-04	2.08E-02	5.53E-03	4.58E+00	4.75E+00	3.52E+00	1.89E+00	1.89E-01	1.04E+01	4.74E+00	4.03E-04	2.08E-02	5.53E-03	4.77E+00
2905	488139.13	3857111.68	4.58E+00	3.08E-04	1.36E-02	6.02E-03	4.60E+00	4.78E+00	3.15E+00	1.24E+00	2.06E-01	9.37E+00	4.77E+00	3.60E-04	1.36E-02	6.02E-03	4.79E+00
2906	488189.13	3857111.68	4.45E+00	3.19E-04	1.52E-02	5.76E-03	4.47E+00	4.64E+00	3.26E+00	1.38E+00	1.97E-01	9.48E+00	4.63E+00	3.73E-04	1.52E-02	5.76E-03	4.65E+00
2907	488189.13	3857161.68	4.57E+00	3.18E-04	1.61E-02	5.45E-03	4.59E+00	4.77E+00	3.25E+00	1.47E+00	1.86E-01	9.67E+00	4.76E+00	3.72E-04	1.61E-02	5.45E-03	4.78E+00
2908	487951.04	3856961.26	4.69E+00	2.90E-04	1.10E-02	6.17E-03	4.71E+00	4.90E+00	2.96E+00	9.99E-01	2.11E-01	9.07E+00	4.89E+00	3.39E-04	1.10E-02	6.17E-03	4.90E+00
2909	488001.04	3856961.26	4.56E+00	2.93E-04	1.26E-02	6.07E-03	4.58E+00	4.76E+00	3.00E+00	1.15E+00	2.07E-01	9.12E+00	4.75E+00	3.43E-04	1.26E-02	6.07E-03	4.77E+00
2910	488051.04	3856961.26	4.45E+00	2.91E-04	1.09E-02	6.03E-03	4.47E+00	4.64E+00	2.97E+00	9.98E-01	2.06E-01	8.82E+00	4.64E+00	3.40E-04	1.09E-02	6.03E-03	4.65E+00
2911	488101.04	3856961.26	4.32E+00	3.00E-04	1.05E-02	6.04E-03	4.33E+00	4.50E+00	3.06E+00	9.59E-01	2.07E-01	8.73E+00	4.50E+00	3.51E-04	1.05E-02	6.04E-03	4.51E+00
2912	487951.04	3857011.26	4.83E+00	3.00E-04	1.14E-02	6.06E-03	4.85E+00	5.04E+00	3.06E+00	1.04E+00	2.07E-01	9.35E+00	5.03E+00	3.51E-04	1.14E-02	6.06E-03	5.05E+00
2913	488001.04	3857011.26	4.71E+00	2.95E-04	1.36E-02	5.99E-03	4.73E+00	4.91E+00	3.02E+00	1.24E+00	2.05E-01	9.37E+00	4.90E+00	3.45E-04	1.36E-02	5.99E-03	4.92E+00
2914	488051.04	3857011.26	4.59E+00	2.95E-04	1.13E-02	5.94E-03	4.61E+00	4.79E+00	3.01E+00	1.03E+00	2.03E-01	9.04E+00	4.78E+00	3.45E-04	1.13E-02	5.94E-03	4.80E+00
2915	488101.04	3857011.26	4.45E+00	3.04E-04	1.08E-02	5.96E-03	4.46E+00	4.64E+00	3.11E+00	9.86E-01	2.04E-01	8.94E+00	4.63E+00	3.56E-04	1.08E-02	5.96E-03	4.65E+00
2916	488001.04	3857061.26	4.79E+00	3.00E-04	1.40E-02	5.89E-03	4.81E+00	5.00E+00	3.06E+00	1.28E+00	2.01E-01	9.54E+00	4.99E+00	3.50E-04	1.40E-02	5.89E-03	5.01E+00
2917	488051.04	3857061.26	4.68E+00	3.05E-04	1.17E-02	6.02E-03	4.69E+00	4.88E+00	3.11E+00	1.06E+00	2.06E-01	9.26E+00	4.87E+00	3.56E-04	1.17E-02	6.02E-03	4.89E+00
2918	488101.04	3857061.26	4.56E+00	3.09E-04	1.13E-02	5.96E-03	4.57E+00	4.75E+00	3.16E+00	1.03E+00	2.04E-01	9.14E+00	4.75E+00	3.62E-04	1.13E-02	5.96E-03	4.76E+00
2919	487638.98	3856673.79	4.74E+00	2.14E-04	6.89E-03	6.69E-03	4.76E+00	4.95E+00	2.18E+00	6.29E-01	2.29E-01	7.99E+00	4.94E+00	2.50E-04	6.89E-03	6.69E-03	4.95E+00
2920	487688.98	3856673.79	4.62E+00	2.22E-04	7.70E-03	6.74E-03	4.64E+00	4.83E+00	2.26E+00	7.02E-01	2.31E-01	8.02E+00	4.82E+00	2.59E-04	7.70E-03	6.74E-03	4.83E+00
2921	487638.98	3856723.79	4.90E+00	2.22E-04	6.55E-03	6.65E-03	4.91E+00	5.11E+00	2.27E+00	5.97E-01	2.28E-01	8.21E+00	5.10E+00	2.60E-04	6.55E-03	6.65E-03	5.12E+00
2922	487688.98	3856723.79	4.78E+00	2.30E-04	7.79E-03	6.75E-03	4.79E+00	4.99E+00	2.35E+00	7.10E-01	2.31E-01	8.27E+00	4.98E+00	2.69E-04	7.79E-03	6.75E-03	4.99E+00
2923	486324.61	3855740.57	3.80E+00	1.10E-04	2.33E-03	9.30E-03	3.81E+00	3.97E+00	1.13E+00	2.13E-01	3.18E-01	5.63E+00	3.96E+00	1.29E-04	2.33E-03	9.30E-03	3.97E+00
2924	486374.61	3855740.57	3.39E+00	1.02E-04	2.32E-03	9.18E-03	3.40E+00	3.54E+00	1.04E+00	2.11E-01	3.14E-01	5.11E+00	3.53E+00	1.20E-04	2.32E-03	9.18E-03	3.54E+00

2925	486424.61	3855740.57	3.24E+00	9.97E-05	2.27E-03	9.38E-03	3.25E+00	3.38E+00	1.02E+00	2.07E-01	3.21E-01	4.92E+00	3.37E+00	1.17E-04	2.27E-03	9.38E-03	3.38E+00
2926	486324.61	3855790.57	3.97E+00	1.13E-04	2.30E-03	9.96E-03	3.99E+00	4.15E+00	1.16E+00	2.10E-01	3.41E-01	5.85E+00	4.14E+00	1.32E-04	2.30E-03	9.96E-03	4.15E+00
2927	486374.61	3855790.57	3.61E+00	1.05E-04	2.37E-03	1.02E-02	3.62E+00	3.76E+00	1.08E+00	2.16E-01	3.48E-01	5.40E+00	3.76E+00	1.23E-04	2.37E-03	1.02E-02	3.77E+00
2928	486424.61	3855790.57	3.54E+00	1.04E-04	2.36E-03	9.95E-03	3.55E+00	3.69E+00	1.06E+00	2.15E-01	3.40E-01	5.31E+00	3.69E+00	1.22E-04	2.36E-03	9.95E-03	3.70E+00
2929	486324.61	3855840.57	4.13E+00	1.14E-04	2.26E-03	1.06E-02	4.14E+00	4.31E+00	1.17E+00	2.06E-01	3.62E-01	6.05E+00	4.30E+00	1.34E-04	2.26E-03	1.06E-02	4.31E+00
2930	486374.61	3855840.57	4.00E+00	1.12E-04	2.40E-03	1.04E-02	4.01E+00	4.17E+00	1.14E+00	2.18E-01	3.56E-01	5.89E+00	4.17E+00	1.31E-04	2.40E-03	1.04E-02	4.18E+00
2931	486424.61	3855840.57	3.82E+00	1.08E-04	2.42E-03	1.03E-02	3.83E+00	3.98E+00	1.11E+00	2.21E-01	3.53E-01	5.66E+00	3.97E+00	1.27E-04	2.42E-03	1.03E-02	3.99E+00
2932	486324.61	3855890.57	4.55E+00	1.21E-04	2.27E-03	1.05E-02	4.57E+00	4.75E+00	1.24E+00	2.07E-01	3.59E-01	6.55E+00	4.74E+00	1.41E-04	2.27E-03	1.05E-02	4.75E+00
2933	486374.61	3855890.57	4.37E+00	1.18E-04	2.35E-03	1.05E-02	4.39E+00	4.56E+00	1.21E+00	2.15E-01	3.61E-01	6.35E+00	4.55E+00	1.39E-04	2.35E-03	1.05E-02	4.57E+00
2934	486424.61	3855890.57	4.15E+00	1.14E-04	2.47E-03	1.05E-02	4.16E+00	4.33E+00	1.16E+00	2.25E-01	3.58E-01	6.07E+00	4.32E+00	1.33E-04	2.47E-03	1.05E-02	4.33E+00
2935	488735.69	3858285.64	3.49E+00	6.19E-04	9.92E-02	5.82E-03	3.59E+00	3.64E+00	6.32E+00	9.05E+00	1.99E-01	1.92E+01	3.63E+00	7.24E-04	9.92E-02	5.82E-03	3.74E+00
2936	488765.69	3858285.64	3.54E+00	6.15E-04	9.69E-02	5.85E-03	3.64E+00	3.69E+00	6.29E+00	8.84E+00	2.00E-01	1.90E+01	3.69E+00	7.20E-04	9.69E-02	5.85E-03	3.79E+00
2937	488735.69	3858315.64	3.43E+00	6.25E-04	9.53E-02	5.75E-03	3.53E+00	3.58E+00	6.38E+00	8.69E+00	1.97E-01	1.88E+01	3.57E+00	7.31E-04	9.53E-02	5.75E-03	3.67E+00
2938	488765.69	3858315.64	3.47E+00	6.22E-04	9.16E-02	5.70E-03	3.57E+00	3.62E+00	6.35E+00	8.36E+00	1.95E-01	1.85E+01	3.61E+00	7.27E-04	9.16E-02	5.70E-03	3.71E+00
2939	478676.63	3849871.93	5.41E-01	1.80E-04	4.78E-04	5.55E-04	5.42E-01	5.64E-01	1.84E+00	4.36E-02	1.90E-02	2.46E+00	5.63E-01	2.10E-04	4.78E-04	5.55E-04	5.64E-01
2940	479326.63	3849871.93	9.47E-01	1.29E-04	4.86E-04	6.59E-04	9.48E-01	9.88E-01	1.32E+00	4.43E-02	2.25E-02	2.37E+00	9.86E-01	1.51E-04	4.86E-04	6.59E-04	9.87E-01
2941	479376.63	3849871.93	9.55E-01	1.28E-04	4.91E-04	6.62E-04	9.56E-01	9.97E-01	1.31E+00	4.47E-02	2.26E-02	2.38E+00	9.95E-01	1.50E-04	4.91E-04	6.62E-04	9.96E-01
2942	479426.63	3849871.93	9.95E-01	1.24E-04	4.91E-04	6.74E-04	9.96E-01	1.04E+00	1.27E+00	4.48E-02	2.31E-02	2.38E+00	1.04E+00	1.46E-04	4.91E-04	6.74E-04	1.04E+00
2943	478726.63	3849921.93	5.51E-01	1.82E-04	4.81E-04	5.58E-04	5.53E-01	5.75E-01	1.86E+00	4.38E-02	1.91E-02	2.50E+00	5.74E-01	2.13E-04	4.81E-04	5.58E-04	5.76E-01
2944	478776.63	3849921.93	5.78E-01	1.72E-04	4.81E-04	5.57E-04	5.80E-01	6.03E-01	1.76E+00	4.39E-02	1.90E-02	2.43E+00	6.02E-01	2.02E-04	4.81E-04	5.57E-04	6.03E-01
2945	478826.63	3849921.93	5.74E-01	1.64E-04	4.82E-04	5.54E-04	5.76E-01	5.99E-01	1.67E+00	4.40E-02	1.89E-02	2.33E+00	5.98E-01	1.91E-04	4.82E-04	5.54E-04	5.99E-01
2946	478976.63	3849921.93	5.87E-01	1.56E-04	4.82E-04	5.90E-04	5.89E-01	6.13E-01	1.59E+00	4.39E-02	2.02E-02	2.27E+00	6.12E-01	1.82E-04	4.82E-04	5.90E-04	6.13E-01
2947	479026.63	3849921.93	6.45E-01	1.62E-04	4.80E-04	6.08E-04	6.46E-01	6.73E-01	1.66E+00	4.37E-02	2.08E-02	2.40E+00	6.72E-01	1.90E-04	4.80E-04	6.08E-04	6.73E-01
2948	479076.63	3849921.93	7.27E-01	1.63E-04	4.78E-04	6.22E-04	7.28E-01	7.58E-01	1.67E+00	4.36E-02	2.13E-02	2.49E+00	7.57E-01	1.91E-04	4.78E-04	6.22E-04	7.58E-01
2949	479126.63	3849921.93	8.09E-01	1.62E-04	4.82E-04	6.33E-04	8.10E-01	8.44E-01	1.66E+00	4.40E-02	2.16E-02	2.57E+00	8.43E-01	1.90E-04	4.82E-04	6.33E-04	8.44E-01
2950	479176.63	3849921.93	8.74E-01	1.61E-04	4.86E-04	6.45E-04	8.75E-01	9.12E-01	1.64E+00	4.43E-02	2.20E-02	2.62E+00	9.10E-01	1.88E-04	4.86E-04	6.45E-04	9.11E-01
2951	479226.63	3849921.93	8.62E-01	1.52E-04	4.88E-04	6.56E-04	8.64E-01	9.00E-01	1.56E+00	4.45E-02	2.24E-02	2.52E+00	8.98E-01	1.78E-04	4.88E-04	6.56E-04	8.99E-01
2952	479276.63	3849921.93	9.20E-01	1.41E-04	4.88E-04	6.62E-04	9.21E-01	9.60E-01	1.44E+00	4.45E-02	2.26E-02	2.47E+00	9.58E-01	1.65E-04	4.88E-04	6.62E-04	9.59E-01
2953	479326.63	3849921.93	9.87E-01	1.46E-04	4.88E-04	6.62E-04	9.88E-01	1.03E+00	1.50E+00	4.45E-02	2.27E-02	2.59E+00	1.03E+00	1.71E-04	4.88E-04	6.62E-04	1.03E+00
2954	479376.63	3849921.93	9.69E-01	1.33E-04	4.88E-04	6.64E-04	9.70E-01	1.01E+00	1.36E+00	4.45E-02	2.27E-02	2.44E+00	1.01E+00	1.55E-04	4.88E-04	6.64E-04	1.01E+00
2955	479426.63	3849921.93	9.81E-01	1.37E-04	4.94E-04	6.68E-04	9.83E-01	1.02E+00	1.40E+00	4.50E-02	2.28E-02	2.49E+00	1.02E+00	1.60E-04	4.94E-04	6.68E-04	1.02E+00
2956	478726.63	3849971.93	5.53E-01	1.90E-04	4.85E-04	5.63E-04	5.54E-01	5.77E-01	1.95E+00	4.43E-02	1.93E-02	2.59E+00	5.76E-01	2.23E-04	4.85E-04	5.63E-04	5.77E-01
2957	478776.63	3849971.93	5.62E-01	1.83E-04	4.83E-04	5.61E-04	5.63E-01	5.86E-01	1.87E+00	4.41E-02	1.92E-02	2.52E+00	5.85E-01	2.15E-04	4.83E-04	5.61E-04	5.86E-01
2958	478826.63	3849971.93	5.83E-01	1.73E-04	4.84E-04	5.61E-04	5.85E-01	6.09E-01	1.77E+00	4.41E-02	1.92E-02	2.44E+00	6.08E-01	2.03E-04	4.84E-04	5.61E-04	6.09E-01
2959	478976.63	3849971.93	5.83E-01	1.58E-04	4.87E-04	5.80E-04	5.84E-01	6.09E-01	1.62E+00	4.44E-02	1.98E-02	2.29E+00	6.07E-01	1.85E-04	4.87E-04	5.80E-04	6.09E-01
2960	479026.63	3849971.93	6.01E-01	1.63E-04	4.86E-04	5.98E-04	6.03E-01	6.28E-01	1.67E+00	4.43E-02	2.04E-02	2.36E+00	6.26E-01	1.91E-04	4.86E-04	5.98E-04	6.28E-01
2961	479076.63	3849971.93	6.55E-01	1.65E-04	4.83E-04	6.16E-04	6.56E-01	6.83E-01	1.69E+00	4.40E-02	2.11E-02	2.44E+00	6.82E-01	1.93E-04	4.83E-04	6.16E-04	6.83E-01
2962	479126.63	3849971.93	7.45E-01	1.65E-04	4.81E-04	6.29E-04	7.47E-01	7.78E-01	1.69E+00	4.38E-02	2.15E-02	2.53E+00	7.76E-01	1.94E-04	4.81E-04	6.29E-04	7.78E-01
2963	479176.63	3849971.93	8.24E-01	1.65E-04	4.85E-04	6.40E-04	8.25E-01	8.60E-01	1.69E+00	4.42E-02	2.19E-02	2.62E+00	8.58E-01	1.94E-04	4.85E-04	6.40E-04	8.60E-01
2964	479226.63	3849971.93	8.38E-01	1.52E-04	4.86E-04	6.51E-04	8.40E-01	8.75E-01	1.56E+00	4.44E-02	2.23E-02	2.50E+00	8.73E-01	1.78E-04	4.86E-04	6.51E-04	8.74E-01
2965	479276.63	3849971.93	8.81E-01	1.56E-04	4.91E-04	6.64E-04	8.82E-01	9.19E-01	1.59E+00	4.48E-02	2.27E-02	2.58E+00	9.17E-01	1.82E-04	4.91E-04	6.64E-04	9.19E-01
2966	479326.63	3849971.93	9.74E-01	1.59E-04	4.93E-04	6.67E-04	9.76E-01	1.02E+00	1.63E+00	4.50E-02	2.28E-02	2.71E+00	1.01E+00	1.86E-04	4.93E-04	6.67E-04	1.02E+00
2967	479376.63	3849971.93	9.98E-01	1.44E-04	4.90E-04	6.68E-04	9.99E-01	1.04E+00	1.47E+00	4.47E-02	2.28E-02	2.58E+00	1.04E+00	1.68E-04	4.90E-04	6.68E-04	1.04E+00
2968	479426.63	3849971.93	1.01E+00	1.44E-04	4.92E-04	6.69E-04	1.02E+00	1.06E+00	1.47E+00	4.48E-02	2.29E-02	2.60E+00	1.06E+00	1.69E-04	4.92E-04	6.69E-04	1.06E+00
2969	478726.63	3850021.93	5.30E-01	1.90E-04	4.92E-04	5.65E-04	5.31E-01	5.53E-01	1.95E+00	4.48E-02	1.93E-02	2.56E+00	5.52E-01	2.23E-04	4.92E-04	5.65E-04	5.53E-01
2970	478776.63	3850021.93	5.61E-01	1.93E-04	4.89E-04	5.66E-04	5.63E-01	5.86E-01	1.98E+00	4.46E-02	1.94E-02	2.63E+00	5.85E-01	2.26E-04	4.89E-04	5.66E-04	5.86E-01
2971	478826.63	3850021.93	5.67E-01	1.85E-04	4.86E-04	5.64E-04	5.68E-01	5.91E-01	1.89E+00	4.43E-02	1.93E-02	2.54E+00	5.90E-01	2.16E-04	4.86E-04	5.64E-04	5.91E-01
2972	478976.63	3850021.93	5.83E-01	1.64E-04	4.89E-04	5.71E-04	5.85E-01	6.09E-01	1.67E+00	4.46E-02	1.95E-02	2.35E+00	6.07E-01	1.92E-04	4.89E-04	5.71E-04	6.09E-01
2973	478726.63	3850071.93	5.35E-01	1.89E-04	4.93E-04	5.65E-04	5.36E-01	5.58E-01	1.93E+00	4.50E-02	1.93E-02	2.55E+00	5.57E-01	2.21E-04	4.93E-04	5.65E-04	5.58E-01
2974	478776.63	3850071.93	5.42E-01	1.94E-04	4.94E-04	5.68E-04	5.43E-01	5.66E-01	1.98E+00	4.51E-02	1.94E-02	2.61E+00	5.64E-01	2.27E-04	4.94E-04	5.68E-04	5.66E-01
2975	478826.63	3850071.93	5.65E-01	1.97E-04	4.94E-04	5.69E-04	5.66E-01	5.89E-01	2.01E+00	4.50E-02	1.95E-02	2.66E+00	5.88E-01	2.30E-04	4.94E-04	5.69E-04	5.90E-01
2976	478876.63	3850071.93	5.70E-01	1.87E-04	4.89E-04	5.68E-04	5.71E-01	5.95E-01	1.91E+00	4.46E-02	1.94E-02	2.57E+00	5.94E-01	2.19E-04	4.89E-04	5.68E-04	5.95E-01
2977	478976.63	3850071.93	6.15E-01	1.71E-04	4.91E-04	5.70E-04	6.17E-01	6.42E-01	1.75E+00	4.48E-02	1.95E-02	2.46E+00	6.41E-01	2.01E-04	4.91E-04	5.70E-04	6.42E-01
2978	478726.63	3850121.93	5.32E-01	1.95E-04	4.95E-04	5.65E-04	5.34E-01	5.56E-01	1.99E+00	4.51E-02	1.93E-02	2.61E+00	5.54E-01	2.28E-04	4.95E-04	5.65E-04	5.56E-01
2979	478776.63	3850121.93	5.40E-01	1.93E-04	4.96E-04	5.68E-04	5.41E-01	5.64E-01	1.97E+00	4.52E-02	1.94E-02	2.60E+00	5.63E-01	2.26E-04	4.96E-04	5.68E-04	5.64E-01
2980	478826.63	3850121.93	5.51E-01	1.98E-04	4.97E-04	5.72E-04	5.52E-01	5.75E-01	2.02E+00	4.54E-02	1.96E-02	2.66E+00	5.74E-01	2.32E-04	4.97E-04	5.72E-04	5.75E-01
2981	478876.63	3850121.93	5.66E-01	1.99E-04	4.98E-04	5.72E-04	5.67E-01	5.90E-01	2.04E+00	4.54E-02	1.96E-02	2.69E+00	5.89E-01	2.33E-04	4.98E-04	5.72E-04	5.90E-01
2982	478976.63	3850121.93	6.06E-01	1.81E-04	4.93E-04	5.76E-04	6.07E-01	6.32E-01	1.84E+00	4.50E-02	1.97E-02	2.54E+00	6.31E-01	2.11E-04	4.93E-04	5.76E-04	6.32E-01
2983	479026.63	3850121.93	6.29E-01	1.75E-04	4.94E-04	5.75E-04	6.30E-01	6.56E-01	1.79E+00	4.51E-02	1.97E-02	2.51E+00	6.55E-01	2.05E-04	4.94E-04	5.75E-04	6.56E-01
2984	479076.63	3850121.93	5.93E-01	1.68E-04	4.95E-04	5.84E-04	5.94E-01	6.19E-01	1.72E+00	4.51E-02	2.00E-02	2.40E+00	6.17E-01	1.97E-04	4.95E-04	5.84E-04	6.19E-01
2985	479126.63	3850121.93	6.06E-01	1.73E-04	4.96E-04	6.02E-04	6.07E-01	6.32E-01	1.76E+00	4.52E-02	2.06E-02	2.46E+00	6.31E-01	2.02E-04	4.96E-04	6.02E-04	6.32E-01

2986	478776.63	3850171.93	5.45E-01	1.99E-04	4.98E-04	5.68E-04	5.46E-01	5.69E-01	2.04E+00	4.54E-02	1.94E-02	2.67E+00	5.68E-01	2.33E-04	4.98E-04	5.68E-04	5.69E-01
2987	478826.63	3850171.93	5.44E-01	1.98E-04	4.99E-04	5.72E-04	5.45E-01	5.67E-01	2.02E+00	4.55E-02	1.96E-02	2.65E+00	5.66E-01	2.32E-04	4.99E-04	5.72E-04	5.68E-01
2988	478876.63	3850171.93	5.62E-01	2.02E-04	5.00E-04	5.75E-04	5.64E-01	5.87E-01	2.06E+00	4.56E-02	1.97E-02	2.71E+00	5.86E-01	2.36E-04	5.00E-04	5.75E-04	5.87E-01
2989	478976.63	3850171.93	5.86E-01	1.92E-04	4.98E-04	5.76E-04	5.87E-01	6.11E-01	1.96E+00	4.54E-02	1.97E-02	2.64E+00	6.10E-01	2.25E-04	4.98E-04	5.76E-04	6.12E-01
2990	479026.63	3850171.93	6.14E-01	1.84E-04	4.96E-04	5.81E-04	6.15E-01	6.40E-01	1.88E+00	4.53E-02	1.99E-02	2.59E+00	6.39E-01	2.15E-04	4.96E-04	5.81E-04	6.40E-01
2991	479076.63	3850171.93	6.38E-01	1.78E-04	4.97E-04	5.80E-04	6.39E-01	6.66E-01	1.82E+00	4.53E-02	1.98E-02	2.55E+00	6.65E-01	2.08E-04	4.97E-04	5.80E-04	6.66E-01
2992	479126.63	3850171.93	6.09E-01	1.73E-04	4.98E-04	5.92E-04	6.11E-01	6.36E-01	1.77E+00	4.54E-02	2.02E-02	2.47E+00	6.35E-01	2.02E-04	4.98E-04	5.92E-04	6.36E-01
2993	479176.63	3850171.93	6.20E-01	1.78E-04	4.99E-04	6.10E-04	6.21E-01	6.47E-01	1.81E+00	4.55E-02	2.09E-02	2.53E+00	6.46E-01	2.08E-04	4.99E-04	6.10E-04	6.47E-01
2994	479226.63	3850171.93	6.60E-01	1.85E-04	5.01E-04	6.29E-04	6.61E-01	6.88E-01	1.89E+00	4.57E-02	2.15E-02	2.64E+00	6.87E-01	2.16E-04	5.01E-04	6.29E-04	6.88E-01
2995	479276.63	3850171.93	7.65E-01	1.93E-04	5.00E-04	6.43E-04	7.66E-01	7.98E-01	1.97E+00	4.56E-02	2.20E-02	2.84E+00	7.96E-01	2.26E-04	5.00E-04	6.43E-04	7.98E-01
2996	479326.63	3850171.93	8.75E-01	1.90E-04	4.96E-04	6.56E-04	8.76E-01	9.12E-01	1.94E+00	4.53E-02	2.24E-02	2.92E+00	9.11E-01	2.22E-04	4.96E-04	6.56E-04	9.12E-01
2997	479376.63	3850171.93	9.38E-01	1.86E-04	4.96E-04	6.66E-04	9.40E-01	9.79E-01	1.90E+00	4.53E-02	2.28E-02	2.94E+00	9.77E-01	2.17E-04	4.96E-04	6.66E-04	9.78E-01
2998	478676.63	3850221.93	5.74E-01	2.04E-04	4.97E-04	5.75E-04	5.75E-01	5.99E-01	2.09E+00	4.53E-02	1.97E-02	2.75E+00	5.97E-01	2.39E-04	4.97E-04	5.75E-04	5.99E-01
2999	478726.63	3850221.93	5.47E-01	2.01E-04	4.97E-04	5.71E-04	5.48E-01	5.70E-01	2.06E+00	4.53E-02	1.95E-02	2.69E+00	5.69E-01	2.36E-04	4.97E-04	5.71E-04	5.70E-01
3000	478976.63	3850221.93	5.64E-01	2.06E-04	5.05E-04	5.79E-04	5.65E-01	5.88E-01	2.10E+00	4.60E-02	1.98E-02	2.76E+00	5.87E-01	2.41E-04	5.05E-04	5.79E-04	5.88E-01
3001	479026.63	3850221.93	5.94E-01	1.95E-04	5.03E-04	5.81E-04	5.96E-01	6.20E-01	1.99E+00	4.59E-02	1.99E-02	2.68E+00	6.19E-01	2.28E-04	5.03E-04	5.81E-04	6.20E-01
3002	479076.63	3850221.93	6.25E-01	1.88E-04	4.99E-04	5.86E-04	6.26E-01	6.52E-01	1.92E+00	4.55E-02	2.00E-02	2.64E+00	6.51E-01	2.20E-04	4.99E-04	5.86E-04	6.52E-01
3003	479126.63	3850221.93	6.44E-01	1.80E-04	5.00E-04	5.85E-04	6.45E-01	6.71E-01	1.84E+00	4.56E-02	2.00E-02	2.58E+00	6.70E-01	2.11E-04	5.00E-04	5.85E-04	6.71E-01
3004	479176.63	3850221.93	6.25E-01	1.80E-04	5.02E-04	5.99E-04	6.26E-01	6.52E-01	1.84E+00	4.58E-02	2.05E-02	2.55E+00	6.51E-01	2.10E-04	5.02E-04	5.99E-04	6.52E-01
3005	479226.63	3850221.93	6.42E-01	1.85E-04	5.04E-04	6.18E-04	6.43E-01	6.70E-01	1.89E+00	4.59E-02	2.11E-02	2.63E+00	6.68E-01	2.17E-04	5.04E-04	6.18E-04	6.70E-01
3006	479276.63	3850221.93	6.83E-01	1.93E-04	5.05E-04	6.37E-04	6.84E-01	7.13E-01	1.98E+00	4.61E-02	2.18E-02	2.76E+00	7.11E-01	2.26E-04	5.05E-04	6.37E-04	7.13E-01
3007	479326.63	3850221.93	7.69E-01	1.94E-04	5.03E-04	6.50E-04	7.70E-01	8.02E-01	1.98E+00	4.59E-02	2.22E-02	2.85E+00	8.00E-01	2.27E-04	5.03E-04	6.50E-04	8.02E-01
3008	479376.63	3850221.93	8.86E-01	1.93E-04	5.00E-04	6.63E-04	8.88E-01	9.25E-01	1.97E+00	4.56E-02	2.27E-02	2.97E+00	9.23E-01	2.26E-04	5.00E-04	6.63E-04	9.24E-01
3009	478676.63	3850271.93	5.89E-01	2.12E-04	5.04E-04	5.84E-04	5.90E-01	6.15E-01	2.17E+00	4.60E-02	2.00E-02	2.85E+00	6.14E-01	2.48E-04	5.04E-04	5.84E-04	6.15E-01
3010	478726.63	3850271.93	5.87E-01	2.08E-04	5.00E-04	5.80E-04	5.88E-01	6.13E-01	2.12E+00	4.56E-02	1.98E-02	2.80E+00	6.11E-01	2.43E-04	5.00E-04	5.80E-04	6.13E-01
3011	478976.63	3850271.93	5.79E-01	2.11E-04	5.06E-04	5.82E-04	5.81E-01	6.05E-01	2.15E+00	4.62E-02	1.99E-02	2.82E+00	6.03E-01	2.47E-04	5.06E-04	5.82E-04	6.05E-01
3012	479026.63	3850271.93	5.72E-01	2.09E-04	5.08E-04	5.82E-04	5.73E-01	5.96E-01	2.13E+00	4.63E-02	1.99E-02	2.79E+00	5.95E-01	2.44E-04	5.08E-04	5.82E-04	5.96E-01
3013	479076.63	3850271.93	6.01E-01	1.97E-04	5.08E-04	5.86E-04	6.02E-01	6.27E-01	2.01E+00	4.63E-02	2.00E-02	2.71E+00	6.26E-01	2.31E-04	5.08E-04	5.86E-04	6.27E-01
3014	479126.63	3850271.93	6.28E-01	1.93E-04	5.03E-04	5.91E-04	6.29E-01	6.55E-01	1.97E+00	4.59E-02	2.02E-02	2.70E+00	6.54E-01	2.26E-04	5.03E-04	5.91E-04	6.55E-01
3015	479176.63	3850271.93	6.49E-01	1.85E-04	5.04E-04	5.92E-04	6.50E-01	6.77E-01	1.89E+00	4.60E-02	2.03E-02	2.63E+00	6.76E-01	2.16E-04	5.04E-04	5.92E-04	6.77E-01
3016	479226.63	3850271.93	6.50E-01	1.85E-04	5.06E-04	6.07E-04	6.51E-01	6.78E-01	1.89E+00	4.61E-02	2.08E-02	2.63E+00	6.76E-01	2.16E-04	5.06E-04	6.07E-04	6.78E-01
3017	479276.63	3850271.93	6.54E-01	1.91E-04	5.07E-04	6.26E-04	6.55E-01	6.82E-01	1.95E+00	4.62E-02	2.14E-02	2.70E+00	6.81E-01	2.24E-04	5.07E-04	6.26E-04	6.82E-01
3018	479326.63	3850271.93	6.90E-01	1.97E-04	5.08E-04	6.45E-04	6.91E-01	7.19E-01	2.01E+00	4.63E-02	2.21E-02	2.80E+00	7.18E-01	2.30E-04	5.08E-04	6.45E-04	7.19E-01
3019	479376.63	3850271.93	7.69E-01	1.94E-04	5.06E-04	6.59E-04	7.71E-01	8.03E-01	1.99E+00	4.61E-02	2.25E-02	2.86E+00	8.01E-01	2.27E-04	5.06E-04	6.59E-04	8.02E-01
3020	479053.24	3850293.52	5.82E-01	2.09E-04	5.10E-04	5.84E-04	5.83E-01	6.07E-01	2.13E+00	4.65E-02	2.00E-02	2.81E+00	6.06E-01	2.44E-04	5.10E-04	5.84E-04	6.07E-01
3021	479103.24	3850293.52	6.13E-01	1.98E-04	5.09E-04	5.89E-04	6.15E-01	6.40E-01	2.03E+00	4.65E-02	2.01E-02	2.73E+00	6.39E-01	2.32E-04	5.09E-04	5.89E-04	6.40E-01
3022	479153.24	3850293.52	6.35E-01	1.94E-04	5.05E-04	5.93E-04	6.36E-01	6.62E-01	1.98E+00	4.61E-02	2.03E-02	2.71E+00	6.61E-01	2.27E-04	5.05E-04	5.93E-04	6.62E-01
3023	479203.24	3850293.52	6.51E-01	1.87E-04	5.06E-04	5.97E-04	6.52E-01	6.79E-01	1.91E+00	4.61E-02	2.04E-02	2.66E+00	6.77E-01	2.19E-04	5.06E-04	5.97E-04	6.79E-01
3024	479253.24	3850293.52	6.58E-01	1.88E-04	5.07E-04	6.12E-04	6.59E-01	6.86E-01	1.92E+00	4.63E-02	2.09E-02	2.67E+00	6.85E-01	2.20E-04	5.07E-04	6.12E-04	6.86E-01
3025	479303.24	3850293.52	6.59E-01	1.93E-04	5.08E-04	6.32E-04	6.61E-01	6.88E-01	1.97E+00	4.63E-02	2.16E-02	2.73E+00	6.87E-01	2.26E-04	5.08E-04	6.32E-04	6.88E-01
3026	479353.24	3850293.52	6.95E-01	1.98E-04	5.09E-04	6.48E-04	6.97E-01	7.26E-01	2.02E+00	4.64E-02	2.22E-02	2.82E+00	7.24E-01	2.32E-04	5.09E-04	6.48E-04	7.25E-01
3027	479153.24	3850343.52	6.21E-01	2.04E-04	5.14E-04	5.94E-04	6.23E-01	6.48E-01	2.08E+00	4.69E-02	2.03E-02	2.80E+00	6.47E-01	2.38E-04	5.14E-04	5.94E-04	6.48E-01
3028	479203.24	3850343.52	6.43E-01	1.99E-04	5.10E-04	5.99E-04	6.44E-01	6.71E-01	2.04E+00	4.65E-02	2.05E-02	2.77E+00	6.70E-01	2.33E-04	5.10E-04	5.99E-04	6.71E-01
3029	479253.24	3850343.52	6.61E-01	1.91E-04	5.09E-04	6.05E-04	6.62E-01	6.89E-01	1.96E+00	4.64E-02	2.07E-02	2.71E+00	6.88E-01	2.24E-04	5.09E-04	6.05E-04	6.89E-01
3030	479303.24	3850343.52	6.71E-01	1.91E-04	5.10E-04	6.21E-04	6.72E-01	7.00E-01	1.95E+00	4.65E-02	2.12E-02	2.72E+00	6.98E-01	2.24E-04	5.10E-04	6.21E-04	7.00E-01
3031	479353.24	3850343.52	6.66E-01	1.96E-04	5.11E-04	6.40E-04	6.67E-01	6.95E-01	2.00E+00	4.66E-02	2.19E-02	2.77E+00	6.93E-01	2.30E-04	5.11E-04	6.40E-04	6.95E-01
3032	479203.24	3850393.52	6.44E-01	2.08E-04	5.18E-04	5.99E-04	6.45E-01	6.72E-01	2.13E+00	4.72E-02	2.05E-02	2.87E+00	6.70E-01	2.44E-04	5.18E-04	5.99E-04	6.72E-01
3033	479253.24	3850393.52	6.54E-01	2.01E-04	5.14E-04	6.04E-04	6.55E-01	6.82E-01	2.05E+00	4.69E-02	2.07E-02	2.80E+00	6.81E-01	2.35E-04	5.14E-04	6.04E-04	6.82E-01
3034	479303.24	3850393.52	6.82E-01	1.93E-04	5.12E-04	6.13E-04	6.84E-01	7.12E-01	1.97E+00	4.67E-02	2.10E-02	2.75E+00	7.11E-01	2.26E-04	5.12E-04	6.13E-04	7.12E-01
3035	479353.24	3850393.52	6.85E-01	1.94E-04	5.12E-04	6.29E-04	6.87E-01	7.15E-01	1.99E+00	4.67E-02	2.15E-02	2.77E+00	7.14E-01	2.27E-04	5.12E-04	6.29E-04	7.15E-01
3036	479403.24	3850393.52	6.75E-01	2.00E-04	5.13E-04	6.49E-04	6.76E-01	7.04E-01	2.04E+00	4.68E-02	2.22E-02	2.82E+00	7.03E-01	2.34E-04	5.13E-04	6.49E-04	7.04E-01
3037	479453.24	3850393.52	7.07E-01	1.99E-04	5.14E-04	6.65E-04	7.08E-01	7.37E-01	2.03E+00	4.68E-02	2.28E-02	2.84E+00	7.36E-01	2.33E-04	5.14E-04	6.65E-04	7.37E-01
3038	479503.24	3850393.52	7.76E-01	1.96E-04	5.13E-04	6.79E-04	7.77E-01	8.09E-01	2.00E+00	4.68E-02	2.32E-02	2.88E+00	8.08E-01	2.30E-04	5.13E-04	6.79E-04	8.09E-01
3039	479303.24	3850443.52	6.64E-01	2.02E-04	5.18E-04	6.11E-04	6.65E-01	6.92E-01	2.06E+00	4.73E-02	2.09E-02	2.82E+00	6.91E-01	2.36E-04	5.18E-04	6.11E-04	6.92E-01
3040	479353.24	3850443.52	6.78E-01	1.93E-04	5.14E-04	6.22E-04	6.79E-01	7.07E-01	1.98E+00	4.69E-02	2.13E-02	2.75E+00	7.06E-01	2.26E-04	5.14E-04	6.22E-04	7.07E-01
3041	479403.24	3850443.52	6.97E-01	1.96E-04	5.14E-04	6.37E-04	6.98E-01	7.27E-01	2.00E+00	4.69E-02	2.18E-02	2.79E+00	7.26E-01	2.29E-04	5.14E-04	6.37E-04	7.27E-01
3042	479453.24	3850443.52	6.78E-01	2.01E-04	5.15E-04	6.58E-04	6.80E-01	7.08E-01	2.05E+00	4.70E-02	2.25E-02	2.83E+00	7.06E-01	2.35E-04	5.15E-04	6.58E-04	7.08E-01
3043	479503.24	3850443.52	7.04E-01	1.97E-04	5.15E-04	6.75E-04	7.06E-01	7.35E-01	2.02E+00	4.70E-02	2.31E-02	2.82E+00	7.34E-01	2.31E-04	5.15E-04	6.75E-04	7.35E-01
3044	480327.18	3850987.04	1.26E+00	2.31E-04	5.54E-04	7.89E-04	1.26E+00	1.31E+00	2.36E+00	5.06E-02	2.70E-02	3.75E+00	1.31E+00	2.70E-04	5.54E-04	7.89E-04	1.31E+00
3045	480377.18	3850987.04	1.26E+00	2.26E-04	5.59E-04	8.10E-04	1.27E+00	1.32E+00	2.31E+00	5.10E-02	2.77E-02	3.71E+00	1.32E+00	2.65E-04	5.59E-04	8.10E-04	1.32E+00
3046	480427.18	3850987.04	1.28E+00	2.21E-04	5.64E-04	8.12E-04	1.28E+00	1.34E+00	2.26E+00	5.14E-02	2.78E-02	3.67E+00	1.34E+00	2.58E-04	5.64E-04	8.12E-04	1.34E+00

3047	480477.18	3850987.04	1.33E+00	2.15E-04	5.64E-04	8.07E-04	1.33E+00	1.38E+00	2.20E+00	5.15E-02	2.76E-02	3.66E+00	1.38E+00	2.52E-04	5.64E-04	8.07E-04	1.38E+00
3048	480327.18	3851037.04	1.23E+00	2.35E-04	5.57E-04	7.98E-04	1.24E+00	1.29E+00	2.40E+00	5.08E-02	2.73E-02	3.77E+00	1.29E+00	2.75E-04	5.57E-04	7.98E-04	1.29E+00
3049	480377.18	3851037.04	1.27E+00	2.33E-04	5.57E-04	8.03E-04	1.27E+00	1.32E+00	2.38E+00	5.08E-02	2.75E-02	3.78E+00	1.32E+00	2.73E-04	5.57E-04	8.03E-04	1.32E+00
3050	480427.18	3851037.04	1.29E+00	2.26E-04	5.62E-04	8.19E-04	1.29E+00	1.34E+00	2.31E+00	5.12E-02	2.80E-02	3.73E+00	1.34E+00	2.64E-04	5.62E-04	8.19E-04	1.34E+00
3051	480477.18	3851037.04	1.30E+00	2.22E-04	5.67E-04	8.18E-04	1.31E+00	1.36E+00	2.27E+00	5.17E-02	2.80E-02	3.71E+00	1.36E+00	2.60E-04	5.67E-04	8.18E-04	1.36E+00
3052	480622.06	3851087.39	1.43E+00	2.13E-04	5.75E-04	8.01E-04	1.43E+00	1.49E+00	2.18E+00	5.24E-02	2.74E-02	3.74E+00	1.48E+00	2.49E-04	5.75E-04	8.01E-04	1.49E+00
3053	480672.06	3851087.39	1.40E+00	2.09E-04	5.81E-04	8.03E-04	1.40E+00	1.46E+00	2.14E+00	5.30E-02	2.75E-02	3.68E+00	1.46E+00	2.45E-04	5.81E-04	8.03E-04	1.46E+00
3054	480622.06	3851137.39	1.37E+00	2.22E-04	5.76E-04	8.17E-04	1.38E+00	1.43E+00	2.27E+00	5.26E-02	2.79E-02	3.79E+00	1.43E+00	2.60E-04	5.76E-04	8.17E-04	1.43E+00
3055	480672.06	3851137.39	1.45E+00	2.18E-04	5.79E-04	8.05E-04	1.45E+00	1.51E+00	2.23E+00	5.28E-02	2.75E-02	3.82E+00	1.51E+00	2.55E-04	5.79E-04	8.05E-04	1.51E+00
3056	480722.06	3851137.39	1.43E+00	2.15E-04	5.85E-04	8.17E-04	1.43E+00	1.49E+00	2.20E+00	5.33E-02	2.79E-02	3.77E+00	1.49E+00	2.52E-04	5.85E-04	8.17E-04	1.49E+00
3057	480622.06	3851187.39	1.37E+00	2.33E-04	5.76E-04	8.33E-04	1.37E+00	1.43E+00	2.38E+00	5.26E-02	2.85E-02	3.89E+00	1.43E+00	2.73E-04	5.76E-04	8.33E-04	1.43E+00
3058	480672.06	3851187.39	1.39E+00	2.24E-04	5.81E-04	8.20E-04	1.40E+00	1.46E+00	2.29E+00	5.30E-02	2.80E-02	3.83E+00	1.45E+00	2.62E-04	5.81E-04	8.20E-04	1.45E+00
3059	480722.06	3851187.39	1.47E+00	2.22E-04	5.83E-04	8.19E-04	1.47E+00	1.53E+00	2.27E+00	5.32E-02	2.80E-02	3.88E+00	1.53E+00	2.60E-04	5.83E-04	8.19E-04	1.53E+00
3060	471363.09	3845877.25	1.81E-01	3.62E-05	3.05E-04	3.81E-04	1.82E-01	1.89E-01	3.70E-01	2.78E-02	1.30E-02	6.00E-01	1.88E-01	4.24E-05	3.05E-04	3.81E-04	1.89E-01
3061	471863.09	3845877.25	1.67E-01	3.52E-05	3.09E-04	3.36E-04	1.67E-01	1.74E-01	3.60E-01	2.82E-02	1.15E-02	5.73E-01	1.73E-01	4.12E-05	3.09E-04	3.36E-04	1.74E-01
3062	472363.09	3845877.25	1.74E-01	3.66E-05	3.16E-04	3.59E-04	1.75E-01	1.82E-01	3.74E-01	2.88E-02	1.23E-02	5.97E-01	1.82E-01	4.28E-05	3.16E-04	3.59E-04	1.82E-01
3063	472863.09	3845877.25	1.37E-01	3.56E-05	3.16E-04	3.65E-04	1.38E-01	1.43E-01	3.64E-01	2.88E-02	1.25E-02	5.48E-01	1.43E-01	4.17E-05	3.16E-04	3.65E-04	1.44E-01
3064	473363.09	3845877.25	1.41E-01	4.61E-05	3.17E-04	3.23E-04	1.42E-01	1.47E-01	4.71E-01	2.89E-02	1.11E-02	6.58E-01	1.47E-01	5.39E-05	3.17E-04	3.23E-04	1.48E-01
3065	473863.09	3845877.25	1.63E-01	5.47E-05	3.17E-04	3.12E-04	1.64E-01	1.70E-01	5.59E-01	2.89E-02	1.07E-02	7.69E-01	1.70E-01	6.40E-05	3.17E-04	3.12E-04	1.71E-01
3066	474363.09	3845877.25	1.32E-01	6.03E-05	3.21E-04	3.35E-04	1.33E-01	1.38E-01	6.16E-01	2.93E-02	1.14E-02	7.95E-01	1.38E-01	7.06E-05	3.21E-04	3.35E-04	1.39E-01
3067	474863.09	3845877.25	2.08E-01	6.56E-05	3.28E-04	3.77E-04	2.09E-01	2.17E-01	6.70E-01	2.99E-02	1.29E-02	9.31E-01	2.17E-01	7.68E-05	3.28E-04	3.77E-04	2.18E-01
3068	475363.09	3845877.25	3.19E-01	6.20E-05	3.37E-04	3.88E-04	3.20E-01	3.33E-01	6.33E-01	3.07E-02	1.33E-02	1.01E+00	3.32E-01	7.25E-05	3.37E-04	3.88E-04	3.33E-01
3069	475863.09	3845877.25	3.48E-01	5.41E-05	3.37E-04	3.78E-04	3.49E-01	3.63E-01	5.53E-01	3.08E-02	1.29E-02	9.60E-01	3.63E-01	6.33E-05	3.37E-04	3.78E-04	3.63E-01
3070	476363.09	3845877.25	3.73E-01	4.50E-05	3.55E-04	4.14E-04	3.74E-01	3.89E-01	4.60E-01	3.24E-02	1.41E-02	8.96E-01	3.89E-01	5.27E-05	3.55E-04	4.14E-04	3.90E-01
3071	476863.09	3845877.25	3.15E-01	3.62E-05	3.92E-04	4.66E-04	3.16E-01	3.29E-01	3.69E-01	3.57E-02	1.59E-02	7.50E-01	3.28E-01	4.23E-05	3.92E-04	4.66E-04	3.29E-01
3072	477363.09	3845877.25	2.15E-01	3.54E-05	4.56E-04	4.54E-04	2.16E-01	2.25E-01	3.62E-01	4.16E-02	1.55E-02	6.44E-01	2.24E-01	4.15E-05	4.56E-04	4.54E-04	2.25E-01
3073	477863.09	3845877.25	1.69E-01	3.18E-05	4.98E-04	4.22E-04	1.70E-01	1.76E-01	3.25E-01	4.55E-02	1.44E-02	5.61E-01	1.76E-01	3.72E-05	4.98E-04	4.22E-04	1.77E-01
3074	478363.09	3845877.25	1.92E-01	2.84E-05	5.16E-04	4.91E-04	1.93E-01	2.00E-01	2.90E-01	4.70E-02	1.68E-02	5.54E-01	2.00E-01	3.32E-05	5.16E-04	4.91E-04	2.01E-01
3075	478863.09	3845877.25	1.68E-01	2.37E-05	5.32E-04	5.63E-04	1.69E-01	1.75E-01	2.43E-01	4.85E-02	1.92E-02	4.85E-01	1.75E-01	2.78E-05	5.32E-04	5.63E-04	1.76E-01
3076	479363.09	3845877.25	1.45E-01	2.65E-05	5.14E-04	5.74E-04	1.46E-01	1.51E-01	2.71E-01	4.68E-02	1.96E-02	4.88E-01	1.51E-01	3.10E-05	5.14E-04	5.74E-04	1.52E-01
3077	479863.09	3845877.25	1.87E-01	2.39E-05	4.59E-04	5.48E-04	1.88E-01	1.95E-01	2.44E-01	4.18E-02	1.87E-02	5.00E-01	1.95E-01	2.80E-05	4.59E-04	5.48E-04	1.96E-01
3078	480363.09	3845877.25	1.64E-01	2.13E-05	5.08E-04	4.78E-04	1.65E-01	1.71E-01	2.18E-01	4.63E-02	1.64E-02	4.51E-01	1.71E-01	2.49E-05	5.08E-04	4.78E-04	1.72E-01
3079	480863.09	3845877.25	1.45E-01	1.95E-05	4.91E-04	5.16E-04	1.46E-01	1.52E-01	1.99E-01	4.48E-02	1.76E-02	4.14E-01	1.51E-01	2.28E-05	4.91E-04	5.16E-04	1.52E-01
3080	481363.09	3845877.25	1.02E-01	1.77E-05	4.79E-04	5.35E-04	1.03E-01	1.07E-01	1.80E-01	4.37E-02	1.83E-02	3.49E-01	1.07E-01	2.07E-05	4.79E-04	5.35E-04	1.08E-01
3081	481863.09	3845877.25	9.41E-02	1.52E-05	4.18E-04	6.11E-04	9.51E-02	9.82E-02	1.55E-01	3.81E-02	2.09E-02	3.12E-01	9.80E-02	1.78E-05	4.18E-04	6.11E-04	9.90E-02
3082	482363.09	3845877.25	8.15E-02	1.31E-05	4.22E-04	6.14E-04	8.26E-02	8.51E-02	1.34E-01	3.85E-02	2.10E-02	2.78E-01	8.49E-02	1.53E-05	4.22E-04	6.14E-04	8.60E-02
3083	482863.09	3845877.25	5.50E-02	1.06E-05	4.27E-04	5.59E-04	5.60E-02	5.73E-02	1.08E-01	3.89E-02	1.91E-02	2.23E-01	5.72E-02	1.24E-05	4.27E-04	5.59E-04	5.82E-02
3084	483363.09	3845877.25	4.87E-02	9.33E-06	4.34E-04	5.02E-04	4.96E-02	5.08E-02	9.53E-02	3.95E-02	1.72E-02	2.03E-01	5.07E-02	1.09E-05	4.34E-04	5.02E-04	5.16E-02
3085	483863.09	3845877.25	5.83E-02	1.08E-05	4.70E-04	5.73E-04	5.94E-02	6.09E-02	1.10E-01	4.28E-02	1.96E-02	2.34E-01	6.08E-02	1.26E-05	4.70E-04	5.73E-04	6.18E-02
3086	484363.09	3845877.25	5.86E-02	1.04E-05	4.86E-04	4.93E-04	5.96E-02	6.11E-02	1.06E-01	4.44E-02	1.69E-02	2.29E-01	6.10E-02	1.22E-05	4.86E-04	4.93E-04	6.20E-02
3087	484863.09	3845877.25	5.32E-02	9.70E-06	4.75E-04	5.28E-04	5.42E-02	5.55E-02	9.91E-02	4.33E-02	1.80E-02	2.16E-01	5.54E-02	1.14E-05	4.75E-04	5.28E-04	5.64E-02
3088	485363.09	3845877.25	5.01E-02	9.85E-06	4.91E-04	5.57E-04	5.12E-02	5.23E-02	1.01E-01	4.48E-02	1.90E-02	2.17E-01	5.22E-02	1.15E-05	4.91E-04	5.57E-04	5.33E-02
3089	485863.09	3845877.25	4.24E-02	9.36E-06	4.69E-04	4.71E-04	4.33E-02	4.42E-02	9.56E-02	4.27E-02	1.61E-02	1.99E-01	4.41E-02	1.09E-05	4.69E-04	4.71E-04	4.51E-02
3090	486363.09	3845877.25	4.03E-02	8.94E-06	4.93E-04	4.79E-04	4.13E-02	4.21E-02	9.13E-02	4.49E-02	1.64E-02	1.95E-01	4.20E-02	1.05E-05	4.93E-04	4.79E-04	4.30E-02
3091	486863.09	3845877.25	3.71E-02	8.39E-06	4.87E-04	4.85E-04	3.81E-02	3.87E-02	8.57E-02	4.45E-02	1.66E-02	1.85E-01	3.86E-02	9.81E-06	4.87E-04	4.85E-04	3.96E-02
3092	487363.09	3845877.25	3.69E-02	8.06E-06	3.95E-04	5.02E-04	3.78E-02	3.85E-02	8.23E-02	3.60E-02	1.72E-02	1.74E-01	3.84E-02	9.43E-06	3.95E-04	5.02E-04	3.93E-02
3093	487863.09	3845877.25	3.60E-02	7.59E-06	4.07E-04	5.46E-04	3.70E-02	3.76E-02	7.76E-02	3.71E-02	1.87E-02	1.71E-01	3.75E-02	8.88E-06	4.07E-04	5.46E-04	3.85E-02
3094	488363.09	3845877.25	3.38E-02	7.61E-06	4.35E-04	5.29E-04	3.47E-02	3.52E-02	7.77E-02	3.96E-02	1.81E-02	1.71E-01	3.52E-02	8.90E-06	4.35E-04	5.29E-04	3.61E-02
3095	488863.09	3845877.25	3.85E-02	8.15E-06	4.48E-04	5.19E-04	3.95E-02	4.02E-02	8.33E-02	4.08E-02	1.78E-02	1.82E-01	4.01E-02	9.54E-06	4.48E-04	5.19E-04	4.11E-02
3096	489363.09	3845877.25	3.79E-02	7.67E-06	4.46E-04	5.11E-04	3.88E-02	3.95E-02	7.83E-02	4.07E-02	1.75E-02	1.76E-01	3.94E-02	8.97E-06	4.46E-04	5.11E-04	4.04E-02
3097	489863.09	3845877.25	3.62E-02	8.33E-06	4.47E-04	5.23E-04	3.72E-02	3.78E-02	8.51E-02	4.08E-02	1.79E-02	1.82E-01	3.77E-02	9.75E-06	4.47E-04	5.23E-04	3.87E-02
3098	490363.09	3845877.25	3.22E-02	7.60E-06	4.91E-04	5.15E-04	3.32E-02	3.36E-02	7.76E-02	4.48E-02	1.76E-02	1.74E-01	3.35E-02	8.89E-06	4.91E-04	5.15E-04	3.46E-02
3099	490863.09	3845877.25	2.85E-02	7.46E-06	4.22E-04	5.26E-04	2.95E-02	2.98E-02	7.62E-02	3.85E-02	1.80E-02	1.62E-01	2.97E-02	8.72E-06	4.22E-04	5.26E-04	3.07E-02
3100	491363.09	3845877.25	3.03E-02	7.33E-06	5.58E-04	5.55E-04	3.14E-02	3.16E-02	7.49E-02	5.09E-02	1.90E-02	1.76E-01	3.16E-02	8.58E-06	5.58E-04	5.55E-04	3.27E-02
3101	491863.09	3845877.25	3.18E-02	7.48E-06	5.20E-04	5.38E-04	3.28E-02	3.32E-02	7.64E-02	4.74E-02	1.84E-02	1.75E-01	3.31E-02	8.75E-06	5.20E-04	5.38E-04	3.42E-02
3102	492363.09	3845877.25	2.84E-02	7.28E-06	5.43E-04	5.83E-04	2.95E-02	2.96E-02	7.44E-02	4.95E-02	1.99E-02	1.73E-01	2.95E-02	8.52E-06	5.43E-04	5.83E-04	3.07E-02
3103	492863.09	3845877.25	3.27E-02	7.73E-06	6.15E-04	6.30E-04	3.39E-02	3.41E-02	7.90E-02	5.60E-02	2.15E-02	1.91E-01	3.40E-02	9.04E-06	6.15E-04	6.30E-04	3.53E-02
3104	493363.09	3845877.25	3.40E-02	7.94E-06	5.48E-04	6.63E-04	3.53E-02	3.55E-02	8.11E-02	5.00E-02	2.27E-02	1.89E-01	3.55E-02	9.29E-06	5.48E-04	6.63E-04	3.67E-02
3105	493863.09	3845877.25	3.58E-02	8.11E-06	5.74E-04	7.48E-04	3.71E-02	3.74E-02	8.29E-02	5.23E-02	2.56E-02	1.98E-01	3.73E-02	9.49E-06	5.74E-04	7.48E-04	3.86E-02
3106	494363.09	3845877.25	3.84E-02	8.28E-06	6.75E-04	7.70E-04	3.98E-02	4.00E-02	8.46E-02	6.16E-02	2.63E-02	2.12E-01	4.00E-02	9.68E-06	6.75E-04	7.70E-04	4.14E-02
3107	494863.09	3845877.25	3.71E-02	8.05E-06	7.18E-04	7.26E-04	3.86E-02	3.87E-02	8.23E-02	6.55E-02	2.48E-02	2.11E-01	3.87E-02	9.42E-06	7.18E-04	7.26E-04	4.01E-02

3108	495363.09	3845877.25	3.80E-02	7.91E-06	7.77E-04	7.05E-04	3.95E-02	3.96E-02	8.08E-02	7.09E-02	2.41E-02	2.15E-01	3.96E-02	9.25E-06	7.77E-04	7.05E-04	4.10E-02
3109	495863.09	3845877.25	3.89E-02	9.05E-06	8.24E-04	6.86E-04	4.04E-02	4.06E-02	9.24E-02	7.51E-02	2.35E-02	2.32E-01	4.05E-02	1.06E-05	8.24E-04	6.86E-04	4.20E-02
3110	496363.09	3845877.25	4.02E-02	8.66E-06	6.79E-04	7.58E-04	4.16E-02	4.19E-02	8.85E-02	6.19E-02	2.59E-02	2.18E-01	4.18E-02	1.01E-05	6.79E-04	7.58E-04	4.33E-02
3111	496863.09	3845877.25	4.06E-02	8.89E-06	5.94E-04	7.47E-04	4.19E-02	4.23E-02	9.08E-02	5.42E-02	2.56E-02	2.13E-01	4.23E-02	1.04E-05	5.94E-04	7.47E-04	4.36E-02
3112	497363.09	3845877.25	4.29E-02	8.82E-06	6.96E-04	7.49E-04	4.43E-02	4.47E-02	9.01E-02	6.35E-02	2.56E-02	2.24E-01	4.46E-02	1.03E-05	6.96E-04	7.49E-04	4.61E-02
3113	497863.09	3845877.25	4.23E-02	8.92E-06	8.37E-04	7.70E-04	4.39E-02	4.41E-02	9.11E-02	7.63E-02	2.63E-02	2.38E-01	4.40E-02	1.04E-05	8.37E-04	7.70E-04	4.57E-02
3114	498363.09	3845877.25	4.36E-02	8.62E-06	1.08E-03	7.68E-04	4.54E-02	4.55E-02	8.80E-02	9.84E-02	2.63E-02	2.58E-01	4.54E-02	1.01E-05	1.08E-03	7.68E-04	4.72E-02
3115	471363.09	3846377.25	2.47E-01	5.83E-05	3.40E-04	3.98E-04	2.48E-01	2.58E-01	5.96E-01	3.10E-02	1.36E-02	8.98E-01	2.58E-01	6.82E-05	3.40E-04	3.98E-04	2.58E-01
3116	471863.09	3846377.25	2.22E-01	5.13E-05	3.53E-04	3.88E-04	2.23E-01	2.32E-01	5.24E-01	3.22E-02	1.33E-02	8.01E-01	2.31E-01	6.00E-05	3.53E-04	3.88E-04	2.32E-01
3117	472363.09	3846377.25	1.98E-01	4.01E-05	3.19E-04	3.60E-04	1.98E-01	2.06E-01	4.09E-01	2.91E-02	1.23E-02	6.57E-01	2.06E-01	4.69E-05	3.19E-04	3.60E-04	2.06E-01
3118	472863.09	3846377.25	1.80E-01	3.56E-05	3.24E-04	3.76E-04	1.81E-01	1.88E-01	3.64E-01	2.96E-02	1.28E-02	5.94E-01	1.88E-01	4.17E-05	3.24E-04	3.76E-04	1.88E-01
3119	473363.09	3846377.25	1.51E-01	4.17E-05	3.30E-04	3.80E-04	1.52E-01	1.58E-01	4.26E-01	3.01E-02	1.30E-02	6.27E-01	1.57E-01	4.88E-05	3.30E-04	3.80E-04	1.58E-01
3120	473863.09	3846377.25	1.78E-01	5.79E-05	3.29E-04	3.39E-04	1.78E-01	1.85E-01	5.92E-01	3.00E-02	1.16E-02	8.19E-01	1.85E-01	6.78E-05	3.29E-04	3.39E-04	1.86E-01
3121	474363.09	3846377.25	1.87E-01	7.04E-05	3.29E-04	3.26E-04	1.88E-01	1.96E-01	7.20E-01	3.00E-02	1.12E-02	9.56E-01	1.95E-01	8.24E-05	3.29E-04	3.26E-04	1.96E-01
3122	474863.09	3846377.25	1.41E-01	7.62E-05	3.34E-04	3.51E-04	1.42E-01	1.47E-01	7.79E-01	3.04E-02	1.20E-02	9.68E-01	1.47E-01	8.92E-05	3.34E-04	3.51E-04	1.47E-01
3123	475363.09	3846377.25	2.26E-01	7.40E-05	3.40E-04	3.92E-04	2.26E-01	2.35E-01	7.56E-01	3.10E-02	1.34E-02	1.04E+00	2.35E-01	8.66E-05	3.40E-04	3.92E-04	2.36E-01
3124	475863.09	3846377.25	3.70E-01	6.75E-05	3.54E-04	4.04E-04	3.71E-01	3.86E-01	6.89E-01	3.23E-02	1.38E-02	1.12E+00	3.86E-01	7.89E-05	3.54E-04	4.04E-04	3.86E-01
3125	476363.09	3846377.25	3.90E-01	5.72E-05	3.49E-04	4.05E-04	3.91E-01	4.07E-01	5.84E-01	3.19E-02	1.39E-02	1.04E+00	4.06E-01	6.69E-05	3.49E-04	4.05E-04	4.07E-01
3126	476863.09	3846377.25	3.99E-01	4.59E-05	3.68E-04	4.39E-04	4.00E-01	4.16E-01	4.69E-01	3.36E-02	1.50E-02	9.34E-01	4.16E-01	5.37E-05	3.68E-04	4.39E-04	4.16E-01
3127	477363.09	3846377.25	3.24E-01	4.04E-05	4.26E-04	4.75E-04	3.25E-01	3.38E-01	4.12E-01	3.89E-02	1.62E-02	8.06E-01	3.38E-01	4.72E-05	4.26E-04	4.75E-04	3.38E-01
3128	477863.09	3846377.25	2.19E-01	3.68E-05	4.82E-04	4.58E-04	2.20E-01	2.28E-01	3.76E-01	4.39E-02	1.57E-02	6.64E-01	2.28E-01	4.31E-05	4.82E-04	4.58E-04	2.29E-01
3129	478363.09	3846377.25	2.00E-01	3.36E-05	5.19E-04	4.67E-04	2.01E-01	2.09E-01	3.44E-01	4.74E-02	1.60E-02	6.16E-01	2.08E-01	3.93E-05	5.19E-04	4.67E-04	2.09E-01
3130	478863.09	3846377.25	1.59E-01	3.12E-05	5.36E-04	5.54E-04	1.60E-01	1.66E-01	3.19E-01	4.89E-02	1.90E-02	5.53E-01	1.65E-01	3.65E-05	5.36E-04	5.54E-04	1.67E-01
3131	479363.09	3846377.25	1.79E-01	2.89E-05	5.43E-04	5.78E-04	1.80E-01	1.87E-01	2.95E-01	4.95E-02	1.98E-02	5.51E-01	1.86E-01	3.38E-05	5.43E-04	5.78E-04	1.87E-01
3132	479863.09	3846377.25	1.79E-01	2.80E-05	5.25E-04	6.11E-04	1.80E-01	1.87E-01	2.86E-01	4.78E-02	2.09E-02	5.41E-01	1.86E-01	3.27E-05	5.25E-04	6.11E-04	1.87E-01
3133	480363.09	3846377.25	2.12E-01	2.58E-05	4.94E-04	5.17E-04	2.13E-01	2.21E-01	2.64E-01	4.50E-02	1.77E-02	5.48E-01	2.21E-01	3.02E-05	4.94E-04	5.17E-04	2.22E-01
3134	480863.09	3846377.25	1.63E-01	2.18E-05	5.23E-04	5.27E-04	1.64E-01	1.70E-01	2.23E-01	4.77E-02	1.80E-02	4.58E-01	1.69E-01	2.55E-05	5.23E-04	5.27E-04	1.70E-01
3135	481363.09	3846377.25	1.39E-01	2.03E-05	5.20E-04	6.07E-04	1.40E-01	1.45E-01	2.08E-01	4.74E-02	2.08E-02	4.21E-01	1.44E-01	2.38E-05	5.20E-04	6.07E-04	1.46E-01
3136	481863.09	3846377.25	1.10E-01	1.68E-05	4.78E-04	6.47E-04	1.11E-01	1.15E-01	1.72E-01	4.36E-02	2.21E-02	3.52E-01	1.14E-01	1.97E-05	4.78E-04	6.47E-04	1.16E-01
3137	482363.09	3846377.25	9.41E-02	1.45E-05	4.41E-04	6.37E-04	9.52E-02	9.82E-02	1.48E-01	4.02E-02	2.18E-02	3.08E-01	9.80E-02	1.69E-05	4.41E-04	6.37E-04	9.91E-02
3138	482863.09	3846377.25	7.03E-02	1.22E-05	4.51E-04	5.86E-04	7.14E-02	7.34E-02	1.25E-01	4.11E-02	2.00E-02	2.60E-01	7.32E-02	1.43E-05	4.51E-04	5.86E-04	7.43E-02
3139	483363.09	3846377.25	7.72E-02	1.25E-05	4.62E-04	5.82E-04	7.82E-02	8.05E-02	1.28E-01	4.21E-02	1.99E-02	2.70E-01	8.03E-02	1.46E-05	4.62E-04	5.82E-04	8.14E-02
3140	483863.09	3846377.25	6.71E-02	1.21E-05	5.10E-04	5.95E-04	6.82E-02	7.00E-02	1.24E-01	4.65E-02	2.03E-02	2.61E-01	6.99E-02	1.42E-05	5.10E-04	5.95E-04	7.10E-02
3141	484363.09	3846377.25	6.02E-02	1.14E-05	4.74E-04	5.21E-04	6.12E-02	6.28E-02	1.16E-01	4.32E-02	1.78E-02	2.40E-01	6.27E-02	1.33E-05	4.74E-04	5.21E-04	6.37E-02
3142	484863.09	3846377.25	6.35E-02	1.10E-05	5.07E-04	5.42E-04	6.45E-02	6.62E-02	1.12E-01	4.63E-02	1.85E-02	2.43E-01	6.61E-02	1.29E-05	5.07E-04	5.42E-04	6.72E-02
3143	485363.09	3846377.25	6.18E-02	1.14E-05	5.38E-04	5.79E-04	6.29E-02	6.44E-02	1.16E-01	4.90E-02	1.98E-02	2.50E-01	6.43E-02	1.33E-05	5.38E-04	5.79E-04	6.54E-02
3144	485863.09	3846377.25	4.84E-02	1.03E-05	4.96E-04	5.11E-04	4.94E-02	5.05E-02	1.06E-01	4.52E-02	1.75E-02	2.19E-01	5.04E-02	1.21E-05	4.96E-04	5.11E-04	5.14E-02
3145	486363.09	3846377.25	3.97E-02	8.89E-06	4.94E-04	5.04E-04	4.07E-02	4.14E-02	9.08E-02	4.50E-02	1.73E-02	1.94E-01	4.13E-02	1.04E-05	4.94E-04	5.04E-04	4.23E-02
3146	486863.09	3846377.25	3.76E-02	8.41E-06	5.06E-04	5.12E-04	3.87E-02	3.93E-02	8.59E-02	4.61E-02	1.75E-02	1.89E-01	3.92E-02	9.84E-06	5.06E-04	5.12E-04	4.02E-02
3147	487363.09	3846377.25	3.93E-02	8.26E-06	4.18E-04	5.31E-04	4.02E-02	4.10E-02	8.44E-02	3.82E-02	1.82E-02	1.82E-01	4.09E-02	9.66E-06	4.18E-04	5.31E-04	4.19E-02
3148	487863.09	3846377.25	4.72E-02	8.39E-06	4.51E-04	5.82E-04	4.83E-02	4.93E-02	8.57E-02	4.12E-02	1.99E-02	1.96E-01	4.92E-02	9.82E-06	4.51E-04	5.82E-04	5.02E-02
3149	488363.09	3846377.25	4.40E-02	8.46E-06	4.79E-04	5.57E-04	4.51E-02	4.59E-02	8.64E-02	4.37E-02	1.91E-02	1.95E-01	4.58E-02	9.89E-06	4.79E-04	5.57E-04	4.69E-02
3150	488863.09	3846377.25	4.14E-02	8.49E-06	4.70E-04	5.13E-04	4.24E-02	4.32E-02	8.67E-02	4.28E-02	1.75E-02	1.90E-01	4.31E-02	9.93E-06	4.70E-04	5.13E-04	4.41E-02
3151	489363.09	3846377.25	4.19E-02	8.16E-06	4.63E-04	5.34E-04	4.29E-02	4.37E-02	8.34E-02	4.22E-02	1.83E-02	1.88E-01	4.36E-02	9.55E-06	4.63E-04	5.34E-04	4.46E-02
3152	489863.09	3846377.25	3.93E-02	8.86E-06	4.89E-04	5.51E-04	4.04E-02	4.10E-02	9.05E-02	4.46E-02	1.89E-02	1.95E-01	4.09E-02	1.04E-05	4.89E-04	5.51E-04	4.20E-02
3153	490363.09	3846377.25	3.34E-02	7.57E-06	5.19E-04	5.53E-04	3.45E-02	3.48E-02	7.73E-02	4.73E-02	1.89E-02	1.78E-01	3.48E-02	8.85E-06	5.19E-04	5.53E-04	3.58E-02
3154	490863.09	3846377.25	3.09E-02	7.91E-06	5.26E-04	5.50E-04	3.20E-02	3.22E-02	8.08E-02	4.80E-02	1.88E-02	1.80E-01	3.22E-02	9.25E-06	5.26E-04	5.50E-04	3.32E-02
3155	491363.09	3846377.25	2.98E-02	7.25E-06	5.38E-04	5.77E-04	3.09E-02	3.11E-02	7.41E-02	4.91E-02	1.97E-02	1.74E-01	3.11E-02	8.49E-06	5.38E-04	5.77E-04	3.22E-02
3156	491863.09	3846377.25	3.47E-02	7.70E-06	5.37E-04	6.00E-04	3.59E-02	3.62E-02	7.86E-02	4.90E-02	2.05E-02	1.84E-01	3.62E-02	9.01E-06	5.37E-04	6.00E-04	3.73E-02
3157	492363.09	3846377.25	3.37E-02	7.57E-06	6.44E-04	6.33E-04	3.50E-02	3.52E-02	7.73E-02	5.87E-02	2.16E-02	1.93E-01	3.51E-02	8.85E-06	6.44E-04	6.33E-04	3.64E-02
3158	492863.09	3846377.25	3.36E-02	7.94E-06	6.06E-04	6.74E-04	3.49E-02	3.51E-02	8.12E-02	5.53E-02	2.30E-02	1.95E-01	3.50E-02	9.29E-06	6.06E-04	6.74E-04	3.63E-02
3159	493363.09	3846377.25	3.69E-02	8.17E-06	5.90E-04	7.48E-04	3.82E-02	3.85E-02	8.34E-02	5.38E-02	2.56E-02	2.01E-01	3.84E-02	9.55E-06	5.90E-04	7.48E-04	3.98E-02
3160	493863.09	3846377.25	3.71E-02	8.57E-06	6.45E-04	7.92E-04	3.85E-02	3.87E-02	8.75E-02	5.89E-02	2.71E-02	2.12E-01	3.86E-02	1.00E-05	6.45E-04	7.92E-04	4.01E-02
3161	494363.09	3846377.25	3.87E-02	8.40E-06	7.43E-04	8.17E-04	4.03E-02	4.04E-02	8.58E-02	6.78E-02	2.79E-02	2.22E-01	4.03E-02	9.82E-06	7.43E-04	8.17E-04	4.19E-02
3162	494863.09	3846377.25	3.92E-02	8.42E-06	7.84E-04	7.36E-04	4.07E-02	4.09E-02	8.60E-02	7.15E-02	2.52E-02	2.24E-01	4.08E-02	9.85E-06	7.84E-04	7.36E-04	4.24E-02
3163	495363.09	3846377.25	3.94E-02	9.07E-06	8.77E-04	7.25E-04	4.10E-02	4.11E-02	9.27E-02	8.00E-02	2.48E-02	2.39E-01	4.11E-02	1.06E-05	8.77E-04	7.25E-04	4.27E-02
3164	495863.09	3846377.25	4.08E-02	9.19E-06	7.37E-04	7.81E-04	4.23E-02	4.26E-02	9.39E-02	6.72E-02	2.67E-02	2.30E-01	4.25E-02	1.08E-05	7.37E-04	7.81E-04	4.40E-02
3165	496363.09	3846377.25	4.26E-02	9.21E-06	6.30E-04	7.88E-04	4.40E-02	4.44E-02	9.41E-02	5.75E-02	2.70E-02	2.23E-01	4.43E-02	1.08E-05	6.30E-04	7.88E-04	4.58E-02
3166	496863.09	3846377.25	4.55E-02	9.28E-06	6.88E-04	8.06E-04	4.70E-02	4.75E-02	9.48E-02	6.27E-02	2.76E-02	2.33E-01	4.74E-02	1.09E-05	6.88E-04	8.06E-04	4.89E-02
3167	497363.09	3846377.25	4.56E-02	9.76E-06	8.44E-04	8.08E-04	4.73E-02	4.76E-02	9.97E-02	7.70E-02	2.76E-02	2.52E-01	4.75E-02	1.14E-05	8.44E-04	8.08E-04	4.92E-02
3168	497863.09	3846377.25	4.60E-02	9.58E-06	1.09E-03	7.95E-04	4.79E-02	4.80E-02	9.78E-02	9.98E-02	2.72E-02	2.73E-01	4.79E-02	1.12E-05	1.09E-03	7.95E-04	4.98E-02

3169	498363.09	3846377.25	4.42E-02	9.91E-06	1.24E-03	8.31E-04	4.63E-02	4.62E-02	1.01E-01	1.13E-01	2.84E-02	2.89E-01	4.61E-02	1.16E-05	1.24E-03	8.31E-04	4.82E-02
3170	471363.09	3846877.25	2.67E-01	8.49E-05	3.36E-04	4.57E-04	2.68E-01	2.79E-01	8.67E-01	3.06E-02	1.56E-02	1.19E+00	2.78E-01	9.93E-05	3.36E-04	4.57E-04	2.79E-01
3171	471863.09	3846877.25	2.55E-01	6.71E-05	3.33E-04	4.25E-04	2.56E-01	2.66E-01	6.86E-01	3.04E-02	1.45E-02	9.96E-01	2.65E-01	7.85E-05	3.33E-04	4.25E-04	2.66E-01
3172	472363.09	3846877.25	2.36E-01	6.32E-05	3.60E-04	4.05E-04	2.37E-01	2.46E-01	6.46E-01	3.28E-02	1.38E-02	9.39E-01	2.46E-01	7.40E-05	3.60E-04	4.05E-04	2.47E-01
3173	472863.09	3846877.25	1.98E-01	4.09E-05	3.28E-04	3.92E-04	1.99E-01	2.07E-01	4.18E-01	2.99E-02	1.34E-02	6.68E-01	2.06E-01	4.79E-05	3.28E-04	3.92E-04	2.07E-01
3174	473363.09	3846877.25	2.17E-01	3.82E-05	3.35E-04	3.94E-04	2.18E-01	2.27E-01	3.90E-01	3.06E-02	1.35E-02	6.61E-01	2.26E-01	4.47E-05	3.35E-04	3.94E-04	2.27E-01
3175	473863.09	3846877.25	2.07E-01	5.24E-05	3.43E-04	3.96E-04	2.08E-01	2.16E-01	5.35E-01	3.13E-02	1.35E-02	7.96E-01	2.15E-01	6.13E-05	3.43E-04	3.96E-04	2.16E-01
3176	474363.09	3846877.25	2.01E-01	6.89E-05	3.42E-04	3.57E-04	2.02E-01	2.10E-01	7.04E-01	3.12E-02	1.22E-02	9.57E-01	2.09E-01	8.06E-05	3.42E-04	3.57E-04	2.10E-01
3177	474863.09	3846877.25	1.88E-01	8.12E-05	3.41E-04	3.40E-04	1.89E-01	1.96E-01	8.29E-01	3.11E-02	1.16E-02	1.07E+00	1.96E-01	9.50E-05	3.41E-04	3.40E-04	1.96E-01
3178	475363.09	3846877.25	1.45E-01	7.91E-05	3.48E-04	3.68E-04	1.45E-01	1.51E-01	8.08E-01	3.17E-02	1.26E-02	1.00E+00	1.51E-01	9.25E-05	3.48E-04	3.68E-04	1.51E-01
3179	475863.09	3846877.25	2.39E-01	7.91E-05	3.56E-04	4.06E-04	2.39E-01	2.49E-01	8.08E-01	3.25E-02	1.39E-02	1.10E+00	2.48E-01	9.26E-05	3.56E-04	4.06E-04	2.49E-01
3180	476363.09	3846877.25	4.11E-01	6.92E-05	3.68E-04	4.20E-04	4.12E-01	4.29E-01	7.07E-01	3.35E-02	1.44E-02	1.18E+00	4.28E-01	8.09E-05	3.68E-04	4.20E-04	4.29E-01
3181	476863.09	3846877.25	4.35E-01	6.00E-05	3.66E-04	4.31E-04	4.36E-01	4.54E-01	6.13E-01	3.34E-02	1.47E-02	1.11E+00	4.53E-01	7.01E-05	3.66E-04	4.31E-04	4.54E-01
3182	477363.09	3846877.25	4.26E-01	4.67E-05	3.83E-04	4.91E-04	4.27E-01	4.44E-01	4.77E-01	3.49E-02	1.68E-02	9.73E-01	4.44E-01	5.46E-05	3.83E-04	4.91E-04	4.44E-01
3183	477863.09	3846877.25	3.40E-01	4.21E-05	4.44E-04	4.94E-04	3.41E-01	3.54E-01	4.31E-01	4.05E-02	1.69E-02	8.42E-01	3.54E-01	4.93E-05	4.44E-04	4.94E-04	3.55E-01
3184	478363.09	3846877.25	2.29E-01	4.20E-05	5.07E-04	4.59E-04	2.30E-01	2.39E-01	4.29E-01	4.62E-02	1.57E-02	7.30E-01	2.39E-01	4.92E-05	5.07E-04	4.59E-04	2.40E-01
3185	478863.09	3846877.25	2.42E-01	3.80E-05	5.42E-04	5.20E-04	2.43E-01	2.52E-01	3.88E-01	4.94E-02	1.78E-02	7.08E-01	2.52E-01	4.44E-05	5.42E-04	5.20E-04	2.53E-01
3186	479363.09	3846877.25	2.07E-01	3.29E-05	5.58E-04	6.03E-04	2.08E-01	2.16E-01	3.36E-01	5.09E-02	2.06E-02	6.23E-01	2.16E-01	3.84E-05	5.58E-04	6.03E-04	2.17E-01
3187	479863.09	3846877.25	1.47E-01	2.62E-05	5.55E-04	6.50E-04	1.48E-01	1.53E-01	2.68E-01	5.06E-02	2.22E-02	4.94E-01	1.53E-01	3.07E-05	5.55E-04	6.50E-04	1.54E-01
3188	480363.09	3846877.25	1.85E-01	2.18E-05	5.17E-04	6.08E-04	1.87E-01	1.93E-01	2.23E-01	4.71E-02	2.08E-02	4.84E-01	1.93E-01	2.55E-05	5.17E-04	6.08E-04	1.94E-01
3189	480863.09	3846877.25	1.50E-01	2.13E-05	5.21E-04	5.59E-04	1.51E-01	1.56E-01	2.18E-01	4.75E-02	1.91E-02	4.41E-01	1.56E-01	2.49E-05	5.21E-04	5.59E-04	1.57E-01
3190	481363.09	3846877.25	1.67E-01	2.09E-05	5.39E-04	6.16E-04	1.68E-01	1.74E-01	2.13E-01	4.91E-02	2.11E-02	4.58E-01	1.74E-01	2.44E-05	5.39E-04	6.16E-04	1.75E-01
3191	481863.09	3846877.25	1.23E-01	1.88E-05	5.45E-04	6.66E-04	1.24E-01	1.28E-01	1.92E-01	4.97E-02	2.28E-02	3.93E-01	1.28E-01	2.20E-05	5.45E-04	6.66E-04	1.29E-01
3192	482363.09	3846877.25	1.02E-01	1.55E-05	4.63E-04	6.54E-04	1.03E-01	1.06E-01	1.58E-01	4.22E-02	2.24E-02	3.28E-01	1.06E-01	1.81E-05	4.63E-04	6.54E-04	1.07E-01
3193	482863.09	3846877.25	9.01E-02	1.43E-05	4.53E-04	6.15E-04	9.12E-02	9.40E-02	1.46E-01	4.14E-02	2.10E-02	3.02E-01	9.38E-02	1.67E-05	4.53E-04	6.15E-04	9.49E-02
3194	483363.09	3846877.25	8.94E-02	1.35E-05	4.76E-04	6.24E-04	9.05E-02	9.33E-02	1.38E-01	4.34E-02	2.13E-02	2.96E-01	9.31E-02	1.58E-05	4.76E-04	6.24E-04	9.42E-02
3195	483863.09	3846877.25	8.50E-02	1.30E-05	5.25E-04	6.07E-04	8.61E-02	8.87E-02	1.33E-01	4.79E-02	2.07E-02	2.90E-01	8.85E-02	1.53E-05	5.25E-04	6.07E-04	8.96E-02
3196	484363.09	3846877.25	7.69E-02	1.34E-05	5.21E-04	6.08E-04	7.80E-02	8.02E-02	1.37E-01	4.75E-02	2.08E-02	2.86E-01	8.00E-02	1.57E-05	5.21E-04	6.08E-04	8.12E-02
3197	484863.09	3846877.25	7.18E-02	1.16E-05	5.29E-04	5.75E-04	7.29E-02	7.49E-02	1.19E-01	4.82E-02	1.97E-02	2.61E-01	7.47E-02	1.36E-05	5.29E-04	5.75E-04	7.59E-02
3198	485363.09	3846877.25	6.91E-02	1.24E-05	5.71E-04	6.00E-04	7.03E-02	7.21E-02	1.26E-01	5.20E-02	2.05E-02	2.71E-01	7.19E-02	1.45E-05	5.71E-04	6.00E-04	7.31E-02
3199	485863.09	3846877.25	5.87E-02	1.17E-05	5.16E-04	5.84E-04	5.98E-02	6.13E-02	1.19E-01	4.71E-02	2.00E-02	2.48E-01	6.12E-02	1.36E-05	5.16E-04	5.84E-04	6.23E-02
3200	486363.09	3846877.25	6.05E-02	1.14E-05	5.43E-04	5.19E-04	6.15E-02	6.31E-02	1.17E-01	4.95E-02	1.77E-02	2.47E-01	6.30E-02	1.34E-05	5.43E-04	5.19E-04	6.40E-02
3201	486863.09	3846877.25	4.93E-02	9.94E-06	5.28E-04	5.52E-04	5.04E-02	5.14E-02	1.02E-01	4.82E-02	1.89E-02	2.20E-01	5.13E-02	1.16E-05	5.28E-04	5.52E-04	5.24E-02
3202	487363.09	3846877.25	5.28E-02	9.50E-06	4.61E-04	5.99E-04	5.39E-02	5.51E-02	9.70E-02	4.20E-02	2.05E-02	2.15E-01	5.50E-02	1.11E-05	4.61E-04	5.99E-04	5.60E-02
3203	487863.09	3846877.25	5.31E-02	8.75E-06	4.90E-04	6.00E-04	5.42E-02	5.54E-02	8.94E-02	4.47E-02	2.05E-02	2.10E-01	5.53E-02	1.02E-05	4.90E-04	6.00E-04	5.64E-02
3204	488363.09	3846877.25	4.76E-02	9.22E-06	5.06E-04	5.63E-04	4.86E-02	4.96E-02	9.42E-02	4.62E-02	1.92E-02	2.09E-01	4.95E-02	1.08E-05	5.06E-04	5.63E-04	5.06E-02
3205	488863.09	3846877.25	4.60E-02	8.96E-06	5.03E-04	5.15E-04	4.70E-02	4.80E-02	9.16E-02	4.59E-02	1.76E-02	2.03E-01	4.79E-02	1.05E-05	5.03E-04	5.15E-04	4.89E-02
3206	489363.09	3846877.25	4.52E-02	8.82E-06	4.91E-04	5.67E-04	4.62E-02	4.71E-02	9.01E-02	4.48E-02	1.94E-02	2.01E-01	4.70E-02	1.03E-05	4.91E-04	5.67E-04	4.81E-02
3207	489863.09	3846877.25	4.26E-02	9.11E-06	5.25E-04	5.99E-04	4.37E-02	4.44E-02	9.31E-02	4.79E-02	2.05E-02	2.06E-01	4.43E-02	1.07E-05	5.25E-04	5.99E-04	4.55E-02
3208	490363.09	3846877.25	3.88E-02	8.26E-06	5.83E-04	5.86E-04	4.00E-02	4.05E-02	8.44E-02	5.32E-02	2.00E-02	1.98E-01	4.04E-02	9.66E-06	5.83E-04	5.86E-04	4.16E-02
3209	490863.09	3846877.25	3.69E-02	7.88E-06	6.41E-04	6.07E-04	3.81E-02	3.85E-02	8.05E-02	5.85E-02	2.08E-02	1.98E-01	3.84E-02	9.22E-06	6.41E-04	6.07E-04	3.97E-02
3210	491363.09	3846877.25	3.51E-02	7.79E-06	6.07E-04	6.25E-04	3.64E-02	3.67E-02	7.95E-02	5.54E-02	2.14E-02	1.93E-01	3.66E-02	9.11E-06	6.07E-04	6.25E-04	3.78E-02
3211	491863.09	3846877.25	3.46E-02	7.90E-06	5.83E-04	6.34E-04	3.59E-02	3.61E-02	8.07E-02	5.32E-02	2.17E-02	1.92E-01	3.61E-02	9.24E-06	5.83E-04	6.34E-04	3.73E-02
3212	492363.09	3846877.25	3.82E-02	8.38E-06	6.73E-04	6.79E-04	3.96E-02	3.99E-02	8.56E-02	6.14E-02	2.32E-02	2.10E-01	3.98E-02	9.81E-06	6.73E-04	6.79E-04	4.12E-02
3213	492863.09	3846877.25	3.95E-02	8.44E-06	6.13E-04	7.68E-04	4.09E-02	4.12E-02	8.62E-02	5.59E-02	2.63E-02	2.10E-01	4.12E-02	9.87E-06	6.13E-04	7.68E-04	4.25E-02
3214	493363.09	3846877.25	3.90E-02	9.01E-06	6.39E-04	8.19E-04	4.04E-02	4.06E-02	9.21E-02	5.83E-02	2.80E-02	2.19E-01	4.06E-02	1.05E-05	6.39E-04	8.19E-04	4.20E-02
3215	493863.09	3846877.25	4.02E-02	8.42E-06	7.32E-04	8.40E-04	4.18E-02	4.20E-02	8.61E-02	6.68E-02	2.87E-02	2.24E-01	4.19E-02	9.86E-06	7.32E-04	8.40E-04	4.35E-02
3216	494363.09	3846877.25	4.01E-02	8.61E-06	7.93E-04	7.67E-04	4.17E-02	4.19E-02	8.80E-02	7.23E-02	2.62E-02	2.28E-01	4.18E-02	1.01E-05	7.93E-04	7.67E-04	4.33E-02
3217	494863.09	3846877.25	3.98E-02	8.76E-06	8.70E-04	7.62E-04	4.14E-02	4.15E-02	8.95E-02	7.93E-02	2.61E-02	2.36E-01	4.14E-02	1.03E-05	8.70E-04	7.62E-04	4.31E-02
3218	495363.09	3846877.25	4.06E-02	9.52E-06	8.12E-04	7.76E-04	4.22E-02	4.24E-02	9.72E-02	7.41E-02	2.65E-02	2.40E-01	4.23E-02	1.11E-05	8.12E-04	7.76E-04	4.39E-02
3219	495863.09	3846877.25	4.20E-02	9.18E-06	7.01E-04	8.17E-04	4.35E-02	4.38E-02	9.38E-02	6.40E-02	2.80E-02	2.29E-01	4.37E-02	1.07E-05	7.01E-04	8.17E-04	4.52E-02
3220	496363.09	3846877.25	4.42E-02	9.27E-06	6.81E-04	8.42E-04	4.58E-02	4.62E-02	9.47E-02	6.21E-02	2.88E-02	2.32E-01	4.61E-02	1.08E-05	6.81E-04	8.42E-04	4.76E-02
3221	496863.09	3846877.25	4.51E-02	9.72E-06	8.40E-04	8.53E-04	4.69E-02	4.71E-02	9.93E-02	7.66E-02	2.92E-02	2.52E-01	4.70E-02	1.14E-05	8.40E-04	8.53E-04	4.87E-02
3222	497363.09	3846877.25	4.68E-02	1.00E-05	1.12E-03	8.45E-04	4.87E-02	4.88E-02	1.02E-01	1.02E-01	2.89E-02	2.82E-01	4.87E-02	1.17E-05	1.12E-03	8.45E-04	5.07E-02
3223	497863.09	3846877.25	4.74E-02	1.02E-05	1.33E-03	8.52E-04	4.96E-02	4.94E-02	1.04E-01	1.21E-01	2.92E-02	3.03E-01	4.93E-02	1.19E-05	1.33E-03	8.52E-04	5.15E-02
3224	498363.09	3846877.25	4.71E-02	1.08E-05	1.39E-03	8.74E-04	4.94E-02	4.92E-02	1.11E-01	1.27E-01	2.99E-02	3.16E-01	4.91E-02	1.27E-05	1.39E-03	8.74E-04	5.14E-02
3225	471363.09	3847377.25	2.95E-01	8.63E-05	3.65E-04	4.75E-04	2.96E-01	3.08E-01	8.82E-01	3.33E-02	1.62E-02	1.24E+00	3.08E-01	1.01E-04	3.65E-04	4.75E-04	3.09E-01
3226	471863.09	3847377.25	2.70E-01	9.36E-05	3.57E-04	4.82E-04	2.71E-01	2.81E-01	9.56E-01	3.26E-02	1.65E-02	1.29E+00	2.81E-01	1.09E-04	3.57E-04	4.82E-04	2.82E-01
3227	472363.09	3847377.25	3.05E-01	8.18E-05	3.49E-04	4.65E-04	3.06E-01	3.18E-01	8.36E-01	3.18E-02	1.59E-02	1.20E+00	3.17E-01	9.57E-05	3.49E-04	4.65E-04	3.18E-01
3228	472863.09	3847377.25	2.95E-01	7.18E-05	3.62E-04	4.24E-04	2.96E-01	3.08E-01	7.33E-01	3.30E-02	1.45E-02	1.09E+00	3.07E-01	8.39E-05	3.62E-04	4.24E-04	3.08E-01
3229	473363.09	3847377.25	2.58E-01	5.14E-05	3.44E-04	4.29E-04	2.59E-01	2.69E-01	5.25E-01	3.14E-02	1.47E-02	8.40E-01	2.68E-01	6.01E-05	3.44E-04	4.29E-04	2.69E-01

3230	473863.09	3847377.25	2.60E-01	4.69E-05	3.48E-04	4.20E-04	2.61E-01	2.72E-01	4.79E-01	3.18E-02	1.44E-02	7.97E-01	2.71E-01	5.49E-05	3.48E-04	4.20E-04	2.72E-01
3231	474363.09	3847377.25	3.04E-01	6.18E-05	3.56E-04	4.18E-04	3.05E-01	3.17E-01	6.32E-01	3.25E-02	1.43E-02	9.95E-01	3.16E-01	7.23E-05	3.56E-04	4.18E-04	3.17E-01
3232	474863.09	3847377.25	2.08E-01	7.76E-05	3.61E-04	3.85E-04	2.09E-01	2.17E-01	7.93E-01	3.29E-02	1.32E-02	1.06E+00	2.17E-01	9.08E-05	3.61E-04	3.85E-04	2.17E-01
3233	475363.09	3847377.25	2.17E-01	8.44E-05	3.59E-04	3.56E-04	2.18E-01	2.27E-01	8.63E-01	3.28E-02	1.22E-02	1.13E+00	2.26E-01	9.88E-05	3.59E-04	3.56E-04	2.27E-01
3234	475863.09	3847377.25	1.95E-01	9.34E-05	3.65E-04	3.89E-04	1.96E-01	2.04E-01	9.54E-01	3.33E-02	1.33E-02	1.20E+00	2.03E-01	1.09E-04	3.65E-04	3.89E-04	2.04E-01
3235	476363.09	3847377.25	2.86E-01	9.14E-05	3.75E-04	4.32E-04	2.87E-01	2.99E-01	9.34E-01	3.42E-02	1.48E-02	1.28E+00	2.98E-01	1.07E-04	3.75E-04	4.32E-04	2.99E-01
3236	476863.09	3847377.25	4.73E-01	7.14E-05	3.83E-04	4.37E-04	4.74E-01	4.94E-01	7.29E-01	3.49E-02	1.49E-02	1.27E+00	4.93E-01	8.35E-05	3.83E-04	4.37E-04	4.94E-01
3237	477363.09	3847377.25	5.00E-01	6.71E-05	3.86E-04	4.81E-04	5.01E-01	5.22E-01	6.85E-01	3.52E-02	1.65E-02	1.26E+00	5.21E-01	7.85E-05	3.86E-04	4.81E-04	5.22E-01
3238	477863.09	3847377.25	4.58E-01	4.90E-05	3.99E-04	5.22E-04	4.59E-01	4.78E-01	5.00E-01	3.64E-02	1.78E-02	1.03E+00	4.77E-01	5.73E-05	3.99E-04	5.22E-04	4.78E-01
3239	478363.09	3847377.25	3.84E-01	4.88E-05	4.63E-04	5.10E-04	3.85E-01	4.01E-01	4.99E-01	4.22E-02	1.74E-02	9.59E-01	4.00E-01	5.71E-05	4.63E-04	5.10E-04	4.01E-01
3240	478863.09	3847377.25	2.39E-01	4.79E-05	5.45E-04	4.94E-04	2.40E-01	2.49E-01	4.89E-01	4.97E-02	1.69E-02	8.05E-01	2.49E-01	5.60E-05	5.45E-04	4.94E-04	2.50E-01
3241	479363.09	3847377.25	2.68E-01	3.41E-05	5.65E-04	5.90E-04	2.70E-01	2.80E-01	3.49E-01	5.15E-02	2.02E-02	7.01E-01	2.79E-01	3.99E-05	5.65E-04	5.90E-04	2.81E-01
3242	479863.09	3847377.25	1.90E-01	2.34E-05	5.83E-04	6.45E-04	1.91E-01	1.98E-01	2.39E-01	5.32E-02	2.21E-02	5.12E-01	1.98E-01	2.73E-05	5.83E-04	6.45E-04	1.99E-01
3243	480363.09	3847377.25	1.06E-01	1.97E-05	5.41E-04	6.76E-04	1.07E-01	1.11E-01	2.01E-01	4.93E-02	2.31E-02	3.84E-01	1.11E-01	2.30E-05	5.41E-04	6.76E-04	1.12E-01
3244	480863.09	3847377.25	8.96E-02	1.84E-05	5.16E-04	5.80E-04	9.07E-02	9.35E-02	1.88E-01	4.71E-02	1.98E-02	3.48E-01	9.33E-02	2.15E-05	5.16E-04	5.80E-04	9.44E-02
3245	481363.09	3847377.25	1.21E-01	1.93E-05	5.30E-04	5.66E-04	1.22E-01	1.26E-01	1.97E-01	4.83E-02	1.94E-02	3.92E-01	1.26E-01	2.26E-05	5.30E-04	5.66E-04	1.27E-01
3246	481863.09	3847377.25	1.45E-01	2.06E-05	5.56E-04	6.80E-04	1.47E-01	1.52E-01	2.11E-01	5.07E-02	2.32E-02	4.37E-01	1.52E-01	2.41E-05	5.56E-04	6.80E-04	1.53E-01
3247	482363.09	3847377.25	1.28E-01	1.79E-05	5.29E-04	6.91E-04	1.29E-01	1.34E-01	1.83E-01	4.83E-02	2.36E-02	3.89E-01	1.33E-01	2.10E-05	5.29E-04	6.91E-04	1.35E-01
3248	482863.09	3847377.25	1.14E-01	1.61E-05	4.86E-04	6.83E-04	1.16E-01	1.19E-01	1.64E-01	4.43E-02	2.33E-02	3.51E-01	1.19E-01	1.88E-05	4.86E-04	6.83E-04	1.20E-01
3249	483363.09	3847377.25	1.06E-01	1.43E-05	4.87E-04	7.04E-04	1.07E-01	1.11E-01	1.46E-01	4.44E-02	2.41E-02	3.25E-01	1.10E-01	1.67E-05	4.87E-04	7.04E-04	1.12E-01
3250	483863.09	3847377.25	9.93E-02	1.43E-05	5.16E-04	6.18E-04	1.00E-01	1.04E-01	1.46E-01	4.70E-02	2.11E-02	3.18E-01	1.03E-01	1.67E-05	5.16E-04	6.18E-04	1.05E-01
3251	484363.09	3847377.25	9.66E-02	1.49E-05	5.50E-04	6.79E-04	9.79E-02	1.01E-01	1.52E-01	5.02E-02	2.32E-02	3.26E-01	1.01E-01	1.74E-05	5.50E-04	6.79E-04	1.02E-01
3252	484863.09	3847377.25	8.58E-02	1.31E-05	5.74E-04	6.04E-04	8.70E-02	8.95E-02	1.34E-01	5.24E-02	2.06E-02	2.97E-01	8.93E-02	1.54E-05	5.74E-04	6.04E-04	9.05E-02
3253	485363.09	3847377.25	7.90E-02	1.34E-05	5.86E-04	6.14E-04	8.02E-02	8.24E-02	1.37E-01	5.34E-02	2.10E-02	2.94E-01	8.23E-02	1.56E-05	5.86E-04	6.14E-04	8.35E-02
3254	485863.09	3847377.25	7.52E-02	1.31E-05	5.80E-04	6.24E-04	7.64E-02	7.84E-02	1.34E-01	5.29E-02	2.13E-02	2.87E-01	7.83E-02	1.53E-05	5.80E-04	6.24E-04	7.95E-02
3255	486363.09	3847377.25	6.97E-02	1.26E-05	5.72E-04	5.56E-04	7.08E-02	7.27E-02	1.28E-01	5.21E-02	1.90E-02	2.72E-01	7.26E-02	1.47E-05	5.72E-04	5.56E-04	7.37E-02
3256	486863.09	3847377.25	6.34E-02	1.13E-05	5.77E-04	5.87E-04	6.46E-02	6.62E-02	1.15E-01	5.27E-02	2.01E-02	2.54E-01	6.61E-02	1.32E-05	5.77E-04	5.87E-04	6.72E-02
3257	487363.09	3847377.25	6.63E-02	1.04E-05	5.03E-04	6.48E-04	6.74E-02	6.92E-02	1.07E-01	4.59E-02	2.22E-02	2.44E-01	6.90E-02	1.22E-05	5.03E-04	6.48E-04	7.02E-02
3258	487863.09	3847377.25	5.84E-02	9.47E-06	5.29E-04	6.05E-04	5.95E-02	6.09E-02	9.67E-02	4.83E-02	2.07E-02	2.27E-01	6.08E-02	1.11E-05	5.29E-04	6.05E-04	6.19E-02
3259	488363.09	3847377.25	5.24E-02	1.02E-05	5.34E-04	5.45E-04	5.35E-02	5.47E-02	1.04E-01	4.87E-02	1.86E-02	2.26E-01	5.46E-02	1.19E-05	5.34E-04	5.45E-04	5.57E-02
3260	488863.09	3847377.25	5.18E-02	9.41E-06	5.35E-04	5.83E-04	5.29E-02	5.40E-02	9.61E-02	4.88E-02	1.99E-02	2.19E-01	5.39E-02	1.10E-05	5.35E-04	5.83E-04	5.51E-02
3261	489363.09	3847377.25	5.18E-02	9.33E-06	5.32E-04	6.05E-04	5.29E-02	5.40E-02	9.53E-02	4.85E-02	2.07E-02	2.19E-01	5.39E-02	1.09E-05	5.32E-04	6.05E-04	5.51E-02
3262	489863.09	3847377.25	4.54E-02	9.65E-06	5.68E-04	6.27E-04	4.66E-02	4.73E-02	9.86E-02	5.18E-02	2.14E-02	2.19E-01	4.72E-02	1.13E-05	5.68E-04	6.27E-04	4.84E-02
3263	490363.09	3847377.25	4.25E-02	9.18E-06	6.47E-04	6.20E-04	4.37E-02	4.43E-02	9.38E-02	5.90E-02	2.12E-02	2.18E-01	4.42E-02	1.07E-05	6.47E-04	6.20E-04	4.55E-02
3264	490863.09	3847377.25	4.23E-02	8.62E-06	7.05E-04	6.60E-04	4.37E-02	4.42E-02	8.81E-02	6.43E-02	2.26E-02	2.19E-01	4.41E-02	1.01E-05	7.05E-04	6.60E-04	4.55E-02
3265	491363.09	3847377.25	4.34E-02	8.58E-06	6.12E-04	6.46E-04	4.47E-02	4.53E-02	8.77E-02	5.58E-02	2.21E-02	2.11E-01	4.52E-02	1.00E-05	6.12E-04	6.46E-04	4.65E-02
3266	491863.09	3847377.25	4.45E-02	9.09E-06	7.11E-04	6.81E-04	4.59E-02	4.65E-02	9.28E-02	6.48E-02	2.33E-02	2.27E-01	4.64E-02	1.06E-05	7.11E-04	6.81E-04	4.78E-02
3267	492363.09	3847377.25	4.29E-02	8.81E-06	7.10E-04	7.74E-04	4.44E-02	4.47E-02	9.00E-02	6.47E-02	2.65E-02	2.26E-01	4.47E-02	1.03E-05	7.10E-04	7.74E-04	4.61E-02
3268	492863.09	3847377.25	4.45E-02	9.13E-06	6.53E-04	8.20E-04	4.59E-02	4.64E-02	9.32E-02	5.96E-02	2.80E-02	2.27E-01	4.63E-02	1.07E-05	6.53E-04	8.20E-04	4.78E-02
3269	493363.09	3847377.25	4.27E-02	9.15E-06	7.28E-04	8.49E-04	4.42E-02	4.45E-02	9.35E-02	6.64E-02	2.90E-02	2.33E-01	4.44E-02	1.07E-05	7.28E-04	8.49E-04	4.60E-02
3270	493863.09	3847377.25	4.12E-02	8.86E-06	8.14E-04	8.09E-04	4.28E-02	4.30E-02	9.05E-02	7.43E-02	2.77E-02	2.35E-01	4.29E-02	1.04E-05	8.14E-04	8.09E-04	4.45E-02
3271	494363.09	3847377.25	3.97E-02	8.78E-06	8.62E-04	7.92E-04	4.13E-02	4.14E-02	8.97E-02	7.86E-02	2.71E-02	2.37E-01	4.13E-02	1.03E-05	8.62E-04	7.92E-04	4.30E-02
3272	494863.09	3847377.25	3.99E-02	9.51E-06	9.55E-04	8.02E-04	4.17E-02	4.17E-02	9.72E-02	8.71E-02	2.74E-02	2.53E-01	4.16E-02	1.11E-05	9.55E-04	8.02E-04	4.33E-02
3273	495363.09	3847377.25	4.13E-02	9.28E-06	7.57E-04	8.30E-04	4.29E-02	4.31E-02	9.48E-02	6.90E-02	2.84E-02	2.35E-01	4.31E-02	1.09E-05	7.57E-04	8.30E-04	4.46E-02
3274	495863.09	3847377.25	4.24E-02	9.21E-06	6.78E-04	8.65E-04	4.40E-02	4.43E-02	9.41E-02	6.18E-02	2.96E-02	2.30E-01	4.42E-02	1.08E-05	6.78E-04	8.65E-04	4.57E-02
3275	496363.09	3847377.25	4.36E-02	9.43E-06	8.42E-04	8.01E-04	4.53E-02	4.55E-02	9.64E-02	7.67E-02	2.74E-02	2.46E-01	4.54E-02	1.10E-05	8.42E-04	8.01E-04	4.71E-02
3276	496863.09	3847377.25	4.46E-02	9.36E-06	1.11E-03	8.37E-04	4.65E-02	4.65E-02	9.56E-02	1.01E-01	2.86E-02	2.72E-01	4.64E-02	1.09E-05	1.11E-03	8.37E-04	4.84E-02
3277	497363.09	3847377.25	4.51E-02	9.82E-06	1.39E-03	8.42E-04	4.73E-02	4.70E-02	1.00E-01	1.27E-01	2.88E-02	3.03E-01	4.69E-02	1.15E-05	1.39E-03	8.42E-04	4.92E-02
3278	497863.09	3847377.25	4.94E-02	1.11E-05	1.44E-03	9.13E-04	5.18E-02	5.15E-02	1.13E-01	1.31E-01	3.12E-02	3.27E-01	5.14E-02	1.29E-05	1.44E-03	9.13E-04	5.38E-02
3279	498363.09	3847377.25	5.00E-02	1.20E-05	1.96E-03	9.58E-04	5.30E-02	5.22E-02	1.23E-01	1.79E-01	3.28E-02	3.87E-01	5.21E-02	1.40E-05	1.96E-03	9.58E-04	5.50E-02
3280	471363.09	3847877.25	4.15E-01	7.93E-05	3.51E-04	5.24E-04	4.16E-01	4.33E-01	8.10E-01	3.20E-02	1.79E-02	1.29E+00	4.32E-01	9.28E-05	3.51E-04	5.24E-04	4.33E-01
3281	471863.09	3847877.25	3.59E-01	8.73E-05	3.66E-04	5.02E-04	3.60E-01	3.75E-01	8.92E-01	3.34E-02	1.72E-02	1.32E+00	3.74E-01	1.02E-04	3.66E-04	5.02E-04	3.75E-01
3282	472363.09	3847877.25	3.55E-01	1.01E-04	3.78E-04	5.03E-04	3.56E-01	3.70E-01	1.03E+00	3.44E-02	1.72E-02	1.45E+00	3.70E-01	1.18E-04	3.78E-04	5.03E-04	3.71E-01
3283	472863.09	3847877.25	3.24E-01	1.04E-04	3.66E-04	5.08E-04	3.25E-01	3.38E-01	1.06E+00	3.34E-02	1.74E-02	1.45E+00	3.38E-01	1.22E-04	3.66E-04	5.08E-04	3.39E-01
3284	473363.09	3847877.25	3.26E-01	8.25E-05	3.59E-04	4.50E-04	3.27E-01	3.40E-01	8.43E-01	3.28E-02	1.54E-02	1.23E+00	3.39E-01	9.66E-05	3.59E-04	4.50E-04	3.40E-01
3285	473863.09	3847877.25	2.87E-01	7.52E-05	3.61E-04	4.56E-04	2.88E-01	3.00E-01	7.68E-01	3.29E-02	1.56E-02	1.12E+00	2.99E-01	8.79E-05	3.61E-04	4.56E-04	3.00E-01
3286	474363.09	3847877.25	2.93E-01	5.92E-05	3.62E-04	4.43E-04	2.94E-01	3.06E-01	6.04E-01	3.30E-02	1.52E-02	9.58E-01	3.05E-01	6.92E-05	3.62E-04	4.43E-04	3.06E-01
3287	474863.09	3847877.25	3.00E-01	7.24E-05	3.70E-04	4.49E-04	3.01E-01	3.13E-01	7.40E-01	3.38E-02	1.54E-02	1.10E+00	3.12E-01	8.47E-05	3.70E-04	4.49E-04	3.13E-01
3288	475363.09	3847877.25	2.34E-01	8.82E-05	3.77E-04	4.16E-04	2.34E-01	2.44E-01	9.01E-01	3.43E-02	1.42E-02	1.19E+00	2.43E-01	1.03E-04	3.77E-04	4.16E-04	2.44E-01
3289	475863.09	3847877.25	2.25E-01	9.20E-05	3.74E-04	3.75E-04	2.26E-01	2.35E-01	9.40E-01	3.41E-02	1.28E-02	1.22E+00	2.35E-01	1.08E-04	3.74E-04	3.75E-04	2.35E-01
3290	476363.09	3847877.25	2.89E-01	1.10E-04	3.83E-04	4.13E-04	2.90E-01	3.02E-01	1.13E+00	3.49E-02	1.41E-02	1.48E+00	3.01E-01	1.29E-04	3.83E-04	4.13E-04	3.02E-01

3291	476863.09	3847877.25	3.35E-01	9.66E-05	3.90E-04	4.50E-04	3.36E-01	3.50E-01	9.87E-01	3.56E-02	1.54E-02	1.39E+00	3.49E-01	1.13E-04	3.90E-04	4.50E-04	3.50E-01
3292	477363.09	3847877.25	5.51E-01	8.18E-05	4.00E-04	4.60E-04	5.52E-01	5.75E-01	8.36E-01	3.65E-02	1.57E-02	1.46E+00	5.74E-01	9.57E-05	4.00E-04	4.60E-04	5.75E-01
3293	477863.09	3847877.25	5.77E-01	7.25E-05	4.10E-04	5.26E-04	5.78E-01	6.02E-01	7.41E-01	3.74E-02	1.80E-02	1.40E+00	6.01E-01	8.48E-05	4.10E-04	5.26E-04	6.02E-01
3294	478363.09	3847877.25	5.21E-01	5.51E-05	4.16E-04	5.33E-04	5.22E-01	5.43E-01	5.63E-01	3.79E-02	1.82E-02	1.16E+00	5.42E-01	6.45E-05	4.16E-04	5.33E-04	5.43E-01
3295	478863.09	3847877.25	3.99E-01	5.45E-05	5.24E-04	5.41E-04	4.00E-01	4.16E-01	5.57E-01	4.78E-02	1.85E-02	1.04E+00	4.16E-01	6.38E-05	5.24E-04	5.41E-04	4.17E-01
3296	479363.09	3847877.25	2.41E-01	3.39E-05	5.54E-04	5.51E-04	2.42E-01	2.51E-01	3.46E-01	5.05E-02	1.88E-02	6.66E-01	2.51E-01	3.96E-05	5.54E-04	5.51E-04	2.52E-01
3297	479863.09	3847877.25	1.40E-01	2.08E-05	5.88E-04	6.45E-04	1.41E-01	1.46E-01	2.13E-01	5.37E-02	2.21E-02	4.34E-01	1.45E-01	2.43E-05	5.88E-04	6.45E-04	1.47E-01
3298	480363.09	3847877.25	1.37E-01	2.12E-05	6.07E-04	7.06E-04	1.39E-01	1.43E-01	2.16E-01	5.54E-02	2.42E-02	4.39E-01	1.43E-01	2.48E-05	6.07E-04	7.06E-04	1.44E-01
3299	480863.09	3847877.25	1.30E-01	1.98E-05	5.65E-04	6.81E-04	1.32E-01	1.36E-01	2.02E-01	5.15E-02	2.33E-02	4.13E-01	1.36E-01	2.32E-05	5.65E-04	6.81E-04	1.37E-01
3300	481363.09	3847877.25	1.24E-01	2.02E-05	5.32E-04	6.31E-04	1.25E-01	1.29E-01	2.06E-01	4.85E-02	2.16E-02	4.05E-01	1.29E-01	2.36E-05	5.32E-04	6.31E-04	1.30E-01
3301	481863.09	3847877.25	2.22E-01	2.31E-05	6.01E-04	7.60E-04	2.24E-01	2.32E-01	2.36E-01	5.49E-02	2.60E-02	5.49E-01	2.31E-01	2.71E-05	6.01E-04	7.60E-04	2.33E-01
3302	482363.09	3847877.25	1.50E-01	2.11E-05	5.94E-04	7.29E-04	1.52E-01	1.57E-01	2.16E-01	5.42E-02	2.49E-02	4.52E-01	1.57E-01	2.47E-05	5.94E-04	7.29E-04	1.58E-01
3303	482863.09	3847877.25	1.33E-01	1.76E-05	5.38E-04	7.31E-04	1.34E-01	1.39E-01	1.80E-01	4.91E-02	2.50E-02	3.93E-01	1.39E-01	2.06E-05	5.38E-04	7.31E-04	1.40E-01
3304	483363.09	3847877.25	1.17E-01	1.65E-05	4.96E-04	7.76E-04	1.18E-01	1.22E-01	1.68E-01	4.52E-02	2.65E-02	3.62E-01	1.21E-01	1.93E-05	4.96E-04	7.76E-04	1.23E-01
3305	483863.09	3847877.25	1.20E-01	1.58E-05	5.19E-04	6.54E-04	1.21E-01	1.25E-01	1.61E-01	4.73E-02	2.24E-02	3.56E-01	1.25E-01	1.85E-05	5.19E-04	6.54E-04	1.26E-01
3306	484363.09	3847877.25	1.12E-01	1.62E-05	5.84E-04	6.92E-04	1.13E-01	1.16E-01	1.65E-01	5.32E-02	2.37E-02	3.59E-01	1.16E-01	1.90E-05	5.84E-04	6.92E-04	1.17E-01
3307	484863.09	3847877.25	1.04E-01	1.54E-05	6.03E-04	6.37E-04	1.05E-01	1.08E-01	1.58E-01	5.50E-02	2.18E-02	3.42E-01	1.08E-01	1.81E-05	6.03E-04	6.37E-04	1.09E-01
3308	485363.09	3847877.25	9.94E-02	1.54E-05	6.14E-04	6.30E-04	1.01E-01	1.04E-01	1.58E-01	5.60E-02	2.16E-02	3.39E-01	1.04E-01	1.81E-05	6.14E-04	6.30E-04	1.05E-01
3309	485863.09	3847877.25	9.33E-02	1.52E-05	6.03E-04	6.45E-04	9.46E-02	9.73E-02	1.55E-01	5.50E-02	2.21E-02	3.29E-01	9.72E-02	1.78E-05	6.03E-04	6.45E-04	9.84E-02
3310	486363.09	3847877.25	7.94E-02	1.40E-05	6.01E-04	6.30E-04	8.06E-02	8.28E-02	1.43E-01	5.49E-02	2.15E-02	3.02E-01	8.27E-02	1.63E-05	6.01E-04	6.30E-04	8.39E-02
3311	486863.09	3847877.25	7.49E-02	1.27E-05	6.05E-04	6.34E-04	7.61E-02	7.81E-02	1.29E-01	5.52E-02	2.17E-02	2.84E-01	7.80E-02	1.48E-05	6.05E-04	6.34E-04	7.92E-02
3312	487363.09	3847877.25	7.63E-02	1.10E-05	5.34E-04	6.81E-04	7.75E-02	7.96E-02	1.13E-01	4.87E-02	2.33E-02	2.64E-01	7.94E-02	1.29E-05	5.34E-04	6.81E-04	8.06E-02
3313	487863.09	3847877.25	6.82E-02	1.04E-05	5.56E-04	6.13E-04	6.94E-02	7.12E-02	1.06E-01	5.07E-02	2.10E-02	2.49E-01	7.10E-02	1.22E-05	5.56E-04	6.13E-04	7.22E-02
3314	488363.09	3847877.25	6.01E-02	1.09E-05	5.73E-04	6.06E-04	6.13E-02	6.27E-02	1.11E-01	5.22E-02	2.07E-02	2.47E-01	6.26E-02	1.27E-05	5.73E-04	6.06E-04	6.38E-02
3315	488863.09	3847877.25	5.77E-02	9.89E-06	5.77E-04	6.30E-04	5.89E-02	6.02E-02	1.01E-01	5.26E-02	2.16E-02	2.35E-01	6.01E-02	1.16E-05	5.77E-04	6.30E-04	6.13E-02
3316	489363.09	3847877.25	5.56E-02	9.78E-06	5.96E-04	6.35E-04	5.69E-02	5.80E-02	9.99E-02	5.43E-02	2.17E-02	2.34E-01	5.79E-02	1.14E-05	5.96E-04	6.35E-04	5.92E-02
3317	489863.09	3847877.25	5.70E-02	1.12E-05	6.32E-04	6.60E-04	5.83E-02	5.95E-02	1.14E-01	5.76E-02	2.26E-02	2.54E-01	5.94E-02	1.30E-05	6.32E-04	6.60E-04	6.07E-02
3318	490363.09	3847877.25	5.59E-02	9.93E-06	7.16E-04	6.94E-04	5.73E-02	5.84E-02	1.01E-01	6.53E-02	2.37E-02	2.49E-01	5.82E-02	1.16E-05	7.16E-04	6.94E-04	5.97E-02
3319	490863.09	3847877.25	5.52E-02	1.03E-05	8.01E-04	6.81E-04	5.67E-02	5.76E-02	1.05E-01	7.31E-02	2.33E-02	2.59E-01	5.75E-02	1.21E-05	8.01E-04	6.81E-04	5.90E-02
3320	491363.09	3847877.25	5.03E-02	9.97E-06	6.26E-04	7.25E-04	5.16E-02	5.24E-02	1.02E-01	5.71E-02	2.48E-02	2.36E-01	5.23E-02	1.17E-05	6.26E-04	7.25E-04	5.37E-02
3321	491863.09	3847877.25	4.88E-02	9.96E-06	7.63E-04	8.11E-04	5.04E-02	5.09E-02	1.02E-01	6.96E-02	2.77E-02	2.50E-01	5.08E-02	1.17E-05	7.63E-04	8.11E-04	5.24E-02
3322	492363.09	3847877.25	4.98E-02	1.02E-05	7.16E-04	8.31E-04	5.14E-02	5.20E-02	1.04E-01	6.53E-02	2.84E-02	2.50E-01	5.19E-02	1.20E-05	7.16E-04	8.31E-04	5.34E-02
3323	492863.09	3847877.25	4.59E-02	9.73E-06	7.11E-04	8.78E-04	4.75E-02	4.79E-02	9.94E-02	6.48E-02	3.00E-02	2.42E-01	4.78E-02	1.14E-05	7.11E-04	8.78E-04	4.94E-02
3324	493363.09	3847877.25	4.23E-02	9.00E-06	8.05E-04	8.69E-04	4.40E-02	4.41E-02	9.19E-02	7.34E-02	2.97E-02	2.39E-01	4.40E-02	1.05E-05	8.05E-04	8.69E-04	4.57E-02
3325	493863.09	3847877.25	4.03E-02	8.96E-06	8.80E-04	8.28E-04	4.21E-02	4.21E-02	9.15E-02	8.02E-02	2.83E-02	2.42E-01	4.20E-02	1.05E-05	8.80E-04	8.28E-04	4.37E-02
3326	494363.09	3847877.25	4.08E-02	9.05E-06	9.67E-04	8.15E-04	4.26E-02	4.26E-02	9.24E-02	8.82E-02	2.79E-02	2.51E-01	4.25E-02	1.06E-05	9.67E-04	8.15E-04	4.43E-02
3327	494863.09	3847877.25	4.11E-02	9.42E-06	8.33E-04	8.34E-04	4.28E-02	4.29E-02	9.62E-02	7.59E-02	2.85E-02	2.44E-01	4.28E-02	1.10E-05	8.33E-04	8.34E-04	4.45E-02
3328	495363.09	3847877.25	4.08E-02	8.85E-06	7.18E-04	8.29E-04	4.23E-02	4.26E-02	9.04E-02	6.55E-02	2.84E-02	2.27E-01	4.25E-02	1.04E-05	7.18E-04	8.29E-04	4.40E-02
3329	495863.09	3847877.25	3.59E-02	8.66E-06	8.17E-04	7.77E-04	3.75E-02	3.74E-02	8.85E-02	7.46E-02	2.66E-02	2.27E-01	3.73E-02	1.01E-05	8.17E-04	7.77E-04	3.89E-02
3330	496363.09	3847877.25	4.16E-02	9.18E-06	1.07E-03	8.32E-04	4.35E-02	4.34E-02	9.38E-02	9.77E-02	2.84E-02	2.63E-01	4.33E-02	1.07E-05	1.07E-03	8.32E-04	4.52E-02
3331	496863.09	3847877.25	4.10E-02	9.21E-06	1.43E-03	8.09E-04	4.32E-02	4.28E-02	9.41E-02	1.31E-01	2.77E-02	2.95E-01	4.27E-02	1.08E-05	1.43E-03	8.09E-04	4.49E-02
3332	497363.09	3847877.25	4.32E-02	9.72E-06	1.49E-03	8.74E-04	4.56E-02	4.51E-02	9.93E-02	1.36E-01	2.99E-02	3.10E-01	4.50E-02	1.14E-05	1.49E-03	8.74E-04	4.74E-02
3333	497863.09	3847877.25	5.05E-02	1.23E-05	2.00E-03	9.97E-04	5.35E-02	5.27E-02	1.25E-01	1.82E-01	3.41E-02	3.95E-01	5.26E-02	1.44E-05	2.00E-03	9.97E-04	5.56E-02
3334	498363.09	3847877.25	5.44E-02	1.18E-05	1.85E-03	9.94E-04	5.72E-02	5.67E-02	1.20E-01	1.68E-01	3.40E-02	3.79E-01	5.66E-02	1.38E-05	1.85E-03	9.94E-04	5.95E-02
3335	471363.09	3848377.25	3.31E-01	9.13E-05	3.61E-04	6.29E-04	3.32E-01	3.46E-01	9.33E-01	3.29E-02	2.15E-02	1.33E+00	3.45E-01	1.07E-04	3.61E-04	6.29E-04	3.46E-01
3336	471863.09	3848377.25	3.85E-01	9.35E-05	3.64E-04	5.89E-04	3.86E-01	4.01E-01	9.56E-01	3.32E-02	2.01E-02	1.41E+00	4.01E-01	1.09E-04	3.64E-04	5.89E-04	4.02E-01
3337	472363.09	3848377.25	4.56E-01	9.28E-05	3.71E-04	5.40E-04	4.57E-01	4.76E-01	9.48E-01	3.39E-02	1.85E-02	1.48E+00	4.75E-01	1.09E-04	3.71E-04	5.40E-04	4.76E-01
3338	472863.09	3848377.25	4.08E-01	1.08E-04	3.95E-04	5.25E-04	4.09E-01	4.26E-01	1.11E+00	3.60E-02	1.79E-02	1.59E+00	4.25E-01	1.27E-04	3.95E-04	5.25E-04	4.26E-01
3339	473363.09	3848377.25	3.75E-01	1.15E-04	3.90E-04	5.23E-04	3.76E-01	3.91E-01	1.17E+00	3.56E-02	1.79E-02	1.62E+00	3.91E-01	1.34E-04	3.90E-04	5.23E-04	3.92E-01
3340	473863.09	3848377.25	3.83E-01	9.10E-05	3.82E-04	4.94E-04	3.84E-01	3.99E-01	9.29E-01	3.48E-02	1.69E-02	1.38E+00	3.99E-01	1.06E-04	3.82E-04	4.94E-04	4.00E-01
3341	474363.09	3848377.25	3.61E-01	8.13E-05	3.75E-04	4.65E-04	3.62E-01	3.76E-01	8.30E-01	3.42E-02	1.59E-02	1.26E+00	3.76E-01	9.51E-05	3.75E-04	4.65E-04	3.77E-01
3342	474863.09	3848377.25	3.22E-01	7.33E-05	3.77E-04	4.75E-04	3.23E-01	3.36E-01	7.49E-01	3.44E-02	1.62E-02	1.14E+00	3.35E-01	8.58E-05	3.77E-04	4.75E-04	3.36E-01
3343	475363.09	3848377.25	4.19E-01	8.84E-05	3.87E-04	4.78E-04	4.20E-01	4.37E-01	9.03E-01	3.53E-02	1.64E-02	1.39E+00	4.36E-01	1.03E-04	3.87E-04	4.78E-04	4.37E-01
3344	475863.09	3848377.25	2.95E-01	1.06E-04	3.93E-04	4.53E-04	2.96E-01	3.08E-01	1.09E+00	3.58E-02	1.55E-02	1.45E+00	3.07E-01	1.25E-04	3.93E-04	4.53E-04	3.08E-01
3345	476363.09	3848377.25	2.59E-01	1.01E-04	3.93E-04	3.96E-04	2.60E-01	2.70E-01	1.03E+00	3.58E-02	1.35E-02	1.35E+00	2.70E-01	1.19E-04	3.93E-04	3.96E-04	2.71E-01
3346	476863.09	3848377.25	3.43E-01	1.25E-04	4.02E-04	4.40E-04	3.44E-01	3.58E-01	1.28E+00	3.66E-02	1.51E-02	1.69E+00	3.57E-01	1.46E-04	4.02E-04	4.40E-04	3.58E-01
3347	477363.09	3848377.25	3.86E-01	1.01E-04	4.05E-04	4.69E-04	3.87E-01	4.02E-01	1.04E+00	3.69E-02	1.60E-02	1.49E+00	4.02E-01	1.19E-04	4.05E-04	4.69E-04	4.03E-01
3348	477863.09	3848377.25	6.10E-01	9.01E-05	4.19E-04	5.09E-04	6.11E-01	6.37E-01	9.20E-01	3.82E-02	1.74E-02	1.61E+00	6.36E-01	1.05E-04	4.19E-04	5.09E-04	6.37E-01
3349	478363.09	3848377.25	6.39E-01	7.46E-05	4.34E-04	5.77E-04	6.40E-01	6.67E-01	7.62E-01	3.96E-02	1.97E-02	1.49E+00	6.66E-01	8.73E-05	4.34E-04	5.77E-04	6.67E-01
3350	478863.09	3848377.25	5.66E-01	5.58E-05	4.72E-04	5.62E-04	5.67E-01	5.91E-01	5.71E-01	4.30E-02	1.92E-02	1.22E+00	5.90E-01	6.53E-05	4.72E-04	5.62E-04	5.91E-01
3351	479363.09	3848377.25	3.54E-01	4.18E-05	5.25E-04	5.38E-04	3.55E-01	3.69E-01	4.27E-01	4.79E-02	1.84E-02	8.62E-01	3.68E-01	4.89E-05	5.25E-04	5.38E-04	3.69E-01

3352	479863.09	3848377.25	8.57E-02	1.73E-05	5.27E-04	6.30E-04	8.68E-02	8.94E-02	1.77E-01	4.80E-02	2.15E-02	3.36E-01	8.92E-02	2.03E-05	5.27E-04	6.30E-04	9.04E-02
3353	480363.09	3848377.25	1.34E-01	2.05E-05	6.15E-04	7.08E-04	1.35E-01	1.40E-01	2.09E-01	5.61E-02	2.42E-02	4.29E-01	1.39E-01	2.39E-05	6.15E-04	7.08E-04	1.41E-01
3354	480863.09	3848377.25	1.76E-01	2.67E-05	6.31E-04	7.91E-04	1.77E-01	1.83E-01	2.73E-01	5.75E-02	2.71E-02	5.40E-01	1.83E-01	3.12E-05	6.31E-04	7.91E-04	1.84E-01
3355	481363.09	3848377.25	2.38E-01	2.58E-05	6.18E-04	7.19E-04	2.39E-01	2.48E-01	2.63E-01	5.63E-02	2.46E-02	5.92E-01	2.48E-01	3.01E-05	6.18E-04	7.19E-04	2.49E-01
3356	481863.09	3848377.25	2.45E-01	2.60E-05	6.24E-04	7.77E-04	2.46E-01	2.55E-01	2.66E-01	5.69E-02	2.66E-02	6.04E-01	2.55E-01	3.04E-05	6.24E-04	7.77E-04	2.56E-01
3357	482363.09	3848377.25	2.21E-01	2.50E-05	6.23E-04	8.04E-04	2.23E-01	2.31E-01	2.55E-01	5.68E-02	2.75E-02	5.70E-01	2.30E-01	2.92E-05	6.23E-04	8.04E-04	2.32E-01
3358	482863.09	3848377.25	1.64E-01	2.09E-05	6.04E-04	7.59E-04	1.65E-01	1.71E-01	2.14E-01	5.51E-02	2.60E-02	4.66E-01	1.71E-01	2.45E-05	6.04E-04	7.59E-04	1.72E-01
3359	483363.09	3848377.25	1.58E-01	1.95E-05	5.80E-04	8.50E-04	1.59E-01	1.65E-01	1.99E-01	5.29E-02	2.91E-02	4.46E-01	1.64E-01	2.28E-05	5.80E-04	8.50E-04	1.66E-01
3360	483863.09	3848377.25	1.36E-01	1.74E-05	5.46E-04	6.77E-04	1.37E-01	1.42E-01	1.78E-01	4.98E-02	2.32E-02	3.93E-01	1.42E-01	2.04E-05	5.46E-04	6.77E-04	1.43E-01
3361	484363.09	3848377.25	1.21E-01	1.71E-05	5.91E-04	6.75E-04	1.22E-01	1.26E-01	1.75E-01	5.39E-02	2.31E-02	3.78E-01	1.26E-01	2.00E-05	5.91E-04	6.75E-04	1.27E-01
3362	484863.09	3848377.25	1.29E-01	1.79E-05	6.16E-04	6.91E-04	1.31E-01	1.35E-01	1.82E-01	5.62E-02	2.36E-02	3.97E-01	1.35E-01	2.09E-05	6.16E-04	6.91E-04	1.36E-01
3363	485363.09	3848377.25	1.17E-01	1.74E-05	6.26E-04	6.54E-04	1.18E-01	1.22E-01	1.78E-01	5.71E-02	2.24E-02	3.80E-01	1.22E-01	2.04E-05	6.26E-04	6.54E-04	1.23E-01
3364	485863.09	3848377.25	1.09E-01	1.66E-05	6.75E-04	7.14E-04	1.11E-01	1.14E-01	1.70E-01	6.16E-02	2.44E-02	3.70E-01	1.14E-01	1.95E-05	6.75E-04	7.14E-04	1.15E-01
3365	486363.09	3848377.25	9.93E-02	1.53E-05	6.33E-04	7.18E-04	1.01E-01	1.04E-01	1.56E-01	5.78E-02	2.45E-02	3.42E-01	1.03E-01	1.79E-05	6.33E-04	7.18E-04	1.05E-01
3366	486863.09	3848377.25	9.10E-02	1.42E-05	6.35E-04	7.00E-04	9.24E-02	9.50E-02	1.45E-01	5.79E-02	2.40E-02	3.22E-01	9.48E-02	1.66E-05	6.35E-04	7.00E-04	9.61E-02
3367	487363.09	3848377.25	8.11E-02	1.15E-05	5.90E-04	6.92E-04	8.24E-02	8.47E-02	1.17E-01	5.38E-02	2.37E-02	2.79E-01	8.45E-02	1.34E-05	5.90E-04	6.92E-04	8.58E-02
3368	487863.09	3848377.25	7.70E-02	1.14E-05	5.91E-04	6.33E-04	7.83E-02	8.04E-02	1.17E-01	5.39E-02	2.17E-02	2.73E-01	8.02E-02	1.34E-05	5.91E-04	6.33E-04	8.15E-02
3369	488363.09	3848377.25	6.82E-02	1.21E-05	6.03E-04	6.68E-04	6.94E-02	7.11E-02	1.23E-01	5.50E-02	2.28E-02	2.72E-01	7.10E-02	1.41E-05	6.03E-04	6.68E-04	7.23E-02
3370	488863.09	3848377.25	6.71E-02	1.07E-05	6.16E-04	6.95E-04	6.84E-02	7.00E-02	1.09E-01	5.61E-02	2.38E-02	2.59E-01	6.99E-02	1.25E-05	6.16E-04	6.95E-04	7.12E-02
3371	489363.09	3848377.25	6.27E-02	1.09E-05	6.36E-04	6.92E-04	6.40E-02	6.54E-02	1.11E-01	5.80E-02	2.37E-02	2.58E-01	6.53E-02	1.27E-05	6.36E-04	6.92E-04	6.66E-02
3372	489863.09	3848377.25	6.44E-02	1.27E-05	6.93E-04	7.31E-04	6.59E-02	6.72E-02	1.30E-01	6.32E-02	2.50E-02	2.86E-01	6.71E-02	1.49E-05	6.93E-04	7.31E-04	6.85E-02
3373	490363.09	3848377.25	6.44E-02	1.12E-05	7.93E-04	7.33E-04	6.60E-02	6.72E-02	1.14E-01	7.24E-02	2.51E-02	2.79E-01	6.71E-02	1.31E-05	7.93E-04	7.33E-04	6.86E-02
3374	490863.09	3848377.25	5.94E-02	1.11E-05	9.06E-04	7.46E-04	6.11E-02	6.20E-02	1.13E-01	8.26E-02	2.55E-02	2.84E-01	6.19E-02	1.30E-05	9.06E-04	7.46E-04	6.35E-02
3375	491363.09	3848377.25	5.71E-02	1.11E-05	7.61E-04	8.62E-04	5.87E-02	5.96E-02	1.13E-01	6.94E-02	2.95E-02	2.72E-01	5.94E-02	1.30E-05	7.61E-04	8.62E-04	6.11E-02
3376	491863.09	3848377.25	5.70E-02	1.09E-05	7.83E-04	8.11E-04	5.86E-02	5.95E-02	1.11E-01	7.14E-02	2.77E-02	2.70E-01	5.94E-02	1.28E-05	7.83E-04	8.11E-04	6.10E-02
3377	492363.09	3848377.25	4.78E-02	1.03E-05	7.31E-04	9.09E-04	4.95E-02	4.99E-02	1.05E-01	6.67E-02	3.11E-02	2.52E-01	4.98E-02	1.20E-05	7.31E-04	9.09E-04	5.14E-02
3378	492863.09	3848377.25	4.30E-02	9.56E-06	8.29E-04	9.09E-04	4.48E-02	4.49E-02	9.77E-02	7.56E-02	3.11E-02	2.49E-01	4.48E-02	1.12E-05	8.29E-04	9.09E-04	4.65E-02
3379	493363.09	3848377.25	4.18E-02	9.32E-06	9.20E-04	8.56E-04	4.36E-02	4.36E-02	9.52E-02	8.39E-02	2.93E-02	2.52E-01	4.35E-02	1.09E-05	9.20E-04	8.56E-04	4.53E-02
3380	493863.09	3848377.25	4.16E-02	8.88E-06	9.34E-04	8.52E-04	4.34E-02	4.34E-02	9.07E-02	8.52E-02	2.92E-02	2.48E-01	4.33E-02	1.04E-05	9.34E-04	8.52E-04	4.51E-02
3381	494363.09	3848377.25	4.05E-02	9.36E-06	9.71E-04	8.32E-04	4.23E-02	4.22E-02	9.56E-02	8.85E-02	2.84E-02	2.55E-01	4.21E-02	1.09E-05	9.71E-04	8.32E-04	4.39E-02
3382	494863.09	3848377.25	4.21E-02	8.98E-06	7.49E-04	8.27E-04	4.36E-02	4.39E-02	9.18E-02	6.83E-02	2.83E-02	2.32E-01	4.38E-02	1.05E-05	7.49E-04	8.27E-04	4.54E-02
3383	495363.09	3848377.25	3.76E-02	9.36E-06	8.24E-04	8.37E-04	3.93E-02	3.92E-02	9.57E-02	7.51E-02	2.86E-02	2.39E-01	3.92E-02	1.10E-05	8.24E-04	8.37E-04	4.08E-02
3384	495863.09	3848377.25	3.73E-02	8.63E-06	1.03E-03	8.32E-04	3.92E-02	3.89E-02	8.82E-02	9.38E-02	2.84E-02	2.49E-01	3.89E-02	1.01E-05	1.03E-03	8.32E-04	4.07E-02
3385	496363.09	3848377.25	3.90E-02	8.59E-06	1.35E-03	8.43E-04	4.12E-02	4.07E-02	8.78E-02	1.23E-01	2.88E-02	2.80E-01	4.06E-02	1.00E-05	1.35E-03	8.43E-04	4.28E-02
3386	496863.09	3848377.25	3.85E-02	9.08E-06	1.56E-03	8.26E-04	4.09E-02	4.02E-02	9.27E-02	1.42E-01	2.82E-02	3.03E-01	4.01E-02	1.06E-05	1.56E-03	8.26E-04	4.25E-02
3387	497363.09	3848377.25	4.26E-02	9.83E-06	1.86E-03	8.86E-04	4.54E-02	4.45E-02	1.00E-01	1.70E-01	3.03E-02	3.45E-01	4.44E-02	1.15E-05	1.86E-03	8.86E-04	4.71E-02
3388	497863.09	3848377.25	5.52E-02	1.20E-05	1.93E-03	1.02E-03	5.82E-02	5.76E-02	1.22E-01	1.76E-01	3.48E-02	3.91E-01	5.75E-02	1.40E-05	1.93E-03	1.02E-03	6.05E-02
3389	498363.09	3848377.25	5.70E-02	1.15E-05	2.13E-03	1.01E-03	6.01E-02	5.94E-02	1.17E-01	1.94E-01	3.44E-02	4.06E-01	5.93E-02	1.35E-05	2.13E-03	1.01E-03	6.25E-02
3390	471363.09	3848877.25	3.25E-01	9.63E-05	4.25E-04	6.02E-04	3.26E-01	3.39E-01	9.84E-01	3.88E-02	2.06E-02	1.38E+00	3.39E-01	1.13E-04	4.25E-04	6.02E-04	3.40E-01
3391	471863.09	3848877.25	3.80E-01	1.04E-04	4.04E-04	6.57E-04	3.82E-01	3.97E-01	1.06E+00	3.68E-02	2.25E-02	1.52E+00	3.96E-01	1.22E-04	4.04E-04	6.57E-04	3.97E-01
3392	472363.09	3848877.25	3.58E-01	1.02E-04	3.79E-04	6.44E-04	3.59E-01	3.74E-01	1.05E+00	3.45E-02	2.20E-02	1.48E+00	3.73E-01	1.20E-04	3.79E-04	6.44E-04	3.74E-01
3393	472863.09	3848877.25	4.64E-01	1.00E-04	3.84E-04	6.03E-04	4.65E-01	4.84E-01	1.02E+00	3.50E-02	2.06E-02	1.56E+00	4.83E-01	1.17E-04	3.84E-04	6.03E-04	4.84E-01
3394	473363.09	3848877.25	4.99E-01	1.13E-04	4.10E-04	5.60E-04	5.00E-01	5.20E-01	1.15E+00	3.74E-02	1.91E-02	1.73E+00	5.19E-01	1.32E-04	4.10E-04	5.60E-04	5.20E-01
3395	473863.09	3848877.25	4.35E-01	1.22E-04	4.14E-04	5.54E-04	4.36E-01	4.54E-01	1.25E+00	3.78E-02	1.89E-02	1.76E+00	4.53E-01	1.43E-04	4.14E-04	5.54E-04	4.54E-01
3396	474363.09	3848877.25	3.96E-01	1.12E-04	4.02E-04	5.56E-04	3.97E-01	4.13E-01	1.15E+00	3.67E-02	1.90E-02	1.61E+00	4.13E-01	1.31E-04	4.02E-04	5.56E-04	4.14E-01
3397	474863.09	3848877.25	4.00E-01	9.22E-05	3.92E-04	4.97E-04	4.01E-01	4.17E-01	9.42E-01	3.57E-02	1.70E-02	1.41E+00	4.16E-01	1.08E-04	3.92E-04	4.97E-04	4.17E-01
3398	475363.09	3848877.25	3.53E-01	8.93E-05	3.95E-04	5.12E-04	3.54E-01	3.68E-01	9.13E-01	3.60E-02	1.75E-02	1.33E+00	3.67E-01	1.04E-04	3.95E-04	5.12E-04	3.68E-01
3399	475863.09	3848877.25	4.49E-01	1.05E-04	4.05E-04	5.02E-04	4.50E-01	4.69E-01	1.07E+00	3.69E-02	1.72E-02	1.59E+00	4.68E-01	1.22E-04	4.05E-04	5.02E-04	4.69E-01
3400	476363.09	3848877.25	4.76E-01	1.39E-04	4.12E-04	4.98E-04	4.78E-01	4.97E-01	1.42E+00	3.75E-02	1.70E-02	1.97E+00	4.96E-01	1.62E-04	4.12E-04	4.98E-04	4.97E-01
3401	476863.09	3848877.25	3.78E-01	1.23E-04	4.19E-04	4.20E-04	3.79E-01	3.94E-01	1.26E+00	3.82E-02	1.44E-02	1.71E+00	3.94E-01	1.44E-04	4.19E-04	4.20E-04	3.95E-01
3402	477363.09	3848877.25	3.85E-01	1.47E-04	4.25E-04	4.70E-04	3.86E-01	4.02E-01	1.50E+00	3.87E-02	1.61E-02	1.96E+00	4.01E-01	1.72E-04	4.25E-04	4.70E-04	4.02E-01
3403	477863.09	3848877.25	4.44E-01	1.15E-04	4.25E-04	4.89E-04	4.45E-01	4.63E-01	1.18E+00	3.87E-02	1.67E-02	1.70E+00	4.62E-01	1.35E-04	4.25E-04	4.89E-04	4.63E-01
3404	478363.09	3848877.25	7.08E-01	1.09E-04	4.40E-04	5.52E-04	7.09E-01	7.38E-01	1.12E+00	4.01E-02	1.89E-02	1.91E+00	7.37E-01	1.28E-04	4.40E-04	5.52E-04	7.38E-01
3405	478863.09	3848877.25	7.19E-01	7.71E-05	4.75E-04	6.15E-04	7.20E-01	7.50E-01	7.88E-01	4.33E-02	2.10E-02	1.60E+00	7.48E-01	9.02E-05	4.75E-04	6.15E-04	7.50E-01
3406	479363.09	3848877.25	6.05E-01	5.64E-05	5.04E-04	5.76E-04	6.06E-01	6.31E-01	5.76E-01	4.60E-02	1.97E-02	1.27E+00	6.30E-01	6.60E-05	5.04E-04	5.76E-04	6.31E-01
3407	479863.09	3848877.25	3.66E-01	4.29E-05	5.59E-04	5.95E-04	3.68E-01	3.82E-01	4.38E-01	5.10E-02	2.04E-02	8.92E-01	3.82E-01	5.02E-05	5.59E-04	5.95E-04	3.83E-01
3408	480363.09	3848877.25	3.41E-01	3.93E-05	6.15E-04	7.24E-04	3.42E-01	3.55E-01	4.01E-01	5.61E-02	2.48E-02	8.37E-01	3.55E-01	4.59E-05	6.15E-04	7.24E-04	3.56E-01
3409	480863.09	3848877.25	3.60E-01	3.73E-05	6.48E-04	8.20E-04	3.62E-01	3.76E-01	3.81E-01	5.91E-02	2.81E-02	8.44E-01	3.75E-01	4.36E-05	6.48E-04	8.20E-04	3.77E-01
3410	481363.09	3848877.25	2.94E-01	3.73E-05	6.54E-04	8.42E-04	2.96E-01	3.07E-01	3.81E-01	5.97E-02	2.88E-02	7.77E-01	3.07E-01	4.36E-05	6.54E-04	8.42E-04	3.08E-01
3411	481863.09	3848877.25	3.10E-01	3.00E-05	6.63E-04	8.56E-04	3.12E-01	3.24E-01	3.07E-01	6.05E-02	2.93E-02	7.21E-01	3.23E-01	3.51E-05	6.63E-04	8.56E-04	3.25E-01
3412	482363.09	3848877.25	2.25E-01	2.47E-05	6.62E-04	8.86E-04	2.26E-01	2.35E-01	2.52E-01	6.04E-02	3.03E-02	5.77E-01	2.34E-01	2.89E-05	6.62E-04	8.86E-04	2.36E-01

3413	482863.09	3848877.25	1.46E-01	1.95E-05	6.39E-04	8.24E-04	1.48E-01	1.53E-01	1.99E-01	5.82E-02	2.82E-02	4.38E-01	1.52E-01	2.28E-05	6.39E-04	8.24E-04	1.54E-01
3414	483363.09	3848877.25	1.23E-01	1.67E-05	5.65E-04	8.85E-04	1.24E-01	1.28E-01	1.70E-01	5.16E-02	3.03E-02	3.80E-01	1.28E-01	1.95E-05	5.65E-04	8.85E-04	1.29E-01
3415	483863.09	3848877.25	1.20E-01	1.64E-05	5.44E-04	7.38E-04	1.21E-01	1.25E-01	1.67E-01	4.96E-02	2.52E-02	3.68E-01	1.25E-01	1.92E-05	5.44E-04	7.38E-04	1.26E-01
3416	484363.09	3848877.25	1.37E-01	1.78E-05	5.79E-04	6.81E-04	1.38E-01	1.42E-01	1.82E-01	5.28E-02	2.33E-02	4.00E-01	1.42E-01	2.08E-05	5.79E-04	6.81E-04	1.43E-01
3417	484863.09	3848877.25	1.56E-01	2.03E-05	6.48E-04	7.29E-04	1.58E-01	1.63E-01	2.08E-01	5.91E-02	2.49E-02	4.55E-01	1.63E-01	2.38E-05	6.48E-04	7.29E-04	1.64E-01
3418	485363.09	3848877.25	1.45E-01	1.99E-05	6.71E-04	6.90E-04	1.46E-01	1.51E-01	2.03E-01	6.12E-02	2.36E-02	4.39E-01	1.51E-01	2.33E-05	6.71E-04	6.90E-04	1.52E-01
3419	485863.09	3848877.25	1.29E-01	1.80E-05	7.24E-04	7.89E-04	1.30E-01	1.34E-01	1.84E-01	6.60E-02	2.70E-02	4.12E-01	1.34E-01	2.11E-05	7.24E-04	7.89E-04	1.36E-01
3420	486363.09	3848877.25	1.13E-01	1.64E-05	6.62E-04	7.76E-04	1.14E-01	1.18E-01	1.67E-01	6.04E-02	2.65E-02	3.72E-01	1.17E-01	1.91E-05	6.62E-04	7.76E-04	1.19E-01
3421	486863.09	3848877.25	9.82E-02	1.45E-05	6.66E-04	7.15E-04	9.96E-02	1.02E-01	1.48E-01	6.07E-02	2.45E-02	3.35E-01	1.02E-01	1.69E-05	6.66E-04	7.15E-04	1.04E-01
3422	487363.09	3848877.25	9.62E-02	1.42E-05	6.38E-04	6.91E-04	9.75E-02	1.00E-01	1.45E-01	5.82E-02	2.36E-02	3.27E-01	1.00E-01	1.66E-05	6.38E-04	6.91E-04	1.01E-01
3423	487863.09	3848877.25	8.80E-02	1.26E-05	6.25E-04	6.96E-04	8.93E-02	9.18E-02	1.28E-01	5.70E-02	2.38E-02	3.01E-01	9.16E-02	1.47E-05	6.25E-04	6.96E-04	9.30E-02
3424	488363.09	3848877.25	8.10E-02	1.37E-05	6.37E-04	7.15E-04	8.24E-02	8.46E-02	1.40E-01	5.81E-02	2.45E-02	3.07E-01	8.44E-02	1.60E-05	6.37E-04	7.15E-04	8.58E-02
3425	488863.09	3848877.25	7.61E-02	1.20E-05	6.67E-04	7.33E-04	7.75E-02	7.94E-02	1.23E-01	6.08E-02	2.51E-02	2.88E-01	7.93E-02	1.40E-05	6.67E-04	7.33E-04	8.07E-02
3426	489363.09	3848877.25	7.13E-02	1.28E-05	6.88E-04	7.57E-04	7.27E-02	7.44E-02	1.31E-01	6.27E-02	2.59E-02	2.94E-01	7.42E-02	1.50E-05	6.88E-04	7.57E-04	7.57E-02
3427	489863.09	3848877.25	7.24E-02	1.37E-05	7.61E-04	7.66E-04	7.39E-02	7.55E-02	1.40E-01	6.94E-02	2.62E-02	3.11E-01	7.53E-02	1.61E-05	7.61E-04	7.66E-04	7.69E-02
3428	490363.09	3848877.25	7.00E-02	1.23E-05	8.67E-04	7.72E-04	7.16E-02	7.30E-02	1.26E-01	7.91E-02	2.64E-02	3.05E-01	7.28E-02	1.44E-05	8.67E-04	7.72E-04	7.45E-02
3429	490863.09	3848877.25	6.47E-02	1.18E-05	8.18E-04	9.37E-04	6.65E-02	6.75E-02	1.21E-01	7.46E-02	3.20E-02	2.95E-01	6.74E-02	1.38E-05	8.18E-04	9.37E-04	6.91E-02
3430	491363.09	3848877.25	6.41E-02	1.26E-05	8.65E-04	8.52E-04	6.59E-02	6.69E-02	1.28E-01	7.89E-02	2.91E-02	3.03E-01	6.68E-02	1.47E-05	8.65E-04	8.52E-04	6.85E-02
3431	491863.09	3848877.25	5.73E-02	1.10E-05	8.30E-04	8.99E-04	5.90E-02	5.98E-02	1.12E-01	7.57E-02	3.08E-02	2.78E-01	5.96E-02	1.28E-05	8.30E-04	8.99E-04	6.14E-02
3432	492363.09	3848877.25	4.73E-02	1.05E-05	7.85E-04	9.30E-04	4.90E-02	4.93E-02	1.08E-01	7.16E-02	3.18E-02	2.60E-01	4.92E-02	1.23E-05	7.85E-04	9.30E-04	5.10E-02
3433	492863.09	3848877.25	4.38E-02	9.54E-06	9.24E-04	8.95E-04	4.56E-02	4.57E-02	9.75E-02	8.43E-02	3.06E-02	2.58E-01	4.56E-02	1.12E-05	9.24E-04	8.95E-04	4.74E-02
3434	493363.09	3848877.25	3.83E-02	9.14E-06	9.62E-04	8.79E-04	4.01E-02	3.99E-02	9.34E-02	8.78E-02	3.01E-02	2.51E-01	3.98E-02	1.07E-05	9.62E-04	8.79E-04	4.17E-02
3435	493863.09	3848877.25	3.85E-02	9.05E-06	1.06E-03	8.62E-04	4.04E-02	4.02E-02	9.24E-02	9.70E-02	2.95E-02	2.59E-01	4.01E-02	1.06E-05	1.06E-03	8.62E-04	4.20E-02
3436	494363.09	3848877.25	3.79E-02	9.40E-06	8.61E-04	8.48E-04	3.97E-02	3.96E-02	9.60E-02	7.85E-02	2.90E-02	2.43E-01	3.95E-02	1.10E-05	8.61E-04	8.48E-04	4.12E-02
3437	494863.09	3848877.25	3.98E-02	9.44E-06	8.38E-04	8.98E-04	4.16E-02	4.15E-02	9.65E-02	7.64E-02	3.07E-02	2.45E-01	4.15E-02	1.10E-05	8.38E-04	8.98E-04	4.32E-02
3438	495363.09	3848877.25	4.04E-02	9.52E-06	1.07E-03	8.73E-04	4.23E-02	4.21E-02	9.73E-02	9.78E-02	2.99E-02	2.67E-01	4.20E-02	1.11E-05	1.07E-03	8.73E-04	4.40E-02
3439	495863.09	3848877.25	3.96E-02	8.74E-06	1.38E-03	8.45E-04	4.19E-02	4.14E-02	8.93E-02	1.26E-01	2.89E-02	2.86E-01	4.13E-02	1.02E-05	1.38E-03	8.45E-04	4.35E-02
3440	496363.09	3848877.25	4.10E-02	8.61E-06	1.65E-03	8.41E-04	4.35E-02	4.28E-02	8.79E-02	1.50E-01	2.88E-02	3.10E-01	4.27E-02	1.01E-05	1.65E-03	8.41E-04	4.52E-02
3441	496863.09	3848877.25	4.33E-02	9.68E-06	1.96E-03	8.94E-04	4.62E-02	4.52E-02	9.88E-02	1.78E-01	3.06E-02	3.53E-01	4.51E-02	1.13E-05	1.96E-03	8.94E-04	4.79E-02
3442	497363.09	3848877.25	5.16E-02	1.04E-05	2.01E-03	9.96E-04	5.46E-02	5.38E-02	1.06E-01	1.84E-01	3.41E-02	3.78E-01	5.37E-02	1.22E-05	2.01E-03	9.96E-04	5.67E-02
3443	497863.09	3848877.25	5.66E-02	1.21E-05	2.27E-03	1.01E-03	5.99E-02	5.91E-02	1.24E-01	2.07E-01	3.44E-02	4.24E-01	5.90E-02	1.42E-05	2.27E-03	1.01E-03	6.23E-02
3444	498363.09	3848877.25	5.90E-02	1.15E-05	2.59E-03	1.02E-03	6.26E-02	6.16E-02	1.18E-01	2.37E-01	3.47E-02	4.51E-01	6.14E-02	1.35E-05	2.59E-03	1.02E-03	6.51E-02
3445	471363.09	3849377.25	3.28E-01	1.08E-04	4.84E-04	6.24E-04	3.29E-01	3.42E-01	1.10E+00	4.41E-02	2.14E-02	1.51E+00	3.41E-01	1.26E-04	4.84E-04	6.24E-04	3.43E-01
3446	471863.09	3849377.25	3.46E-01	1.07E-04	4.64E-04	6.19E-04	3.48E-01	3.61E-01	1.09E+00	4.23E-02	2.12E-02	1.52E+00	3.61E-01	1.25E-04	4.64E-04	6.19E-04	3.62E-01
3447	472363.09	3849377.25	3.63E-01	1.05E-04	4.50E-04	6.73E-04	3.65E-01	3.79E-01	1.07E+00	4.10E-02	2.30E-02	1.51E+00	3.78E-01	1.23E-04	4.50E-04	6.73E-04	3.80E-01
3448	472863.09	3849377.25	4.29E-01	1.14E-04	4.27E-04	7.18E-04	4.30E-01	4.48E-01	1.16E+00	3.89E-02	2.46E-02	1.67E+00	4.47E-01	1.33E-04	4.27E-04	7.18E-04	4.48E-01
3449	473363.09	3849377.25	4.12E-01	1.16E-04	4.00E-04	6.77E-04	4.13E-01	4.30E-01	1.18E+00	3.64E-02	2.31E-02	1.67E+00	4.29E-01	1.36E-04	4.00E-04	6.77E-04	4.30E-01
3450	473863.09	3849377.25	5.36E-01	1.18E-04	4.09E-04	6.26E-04	5.37E-01	5.60E-01	1.21E+00	3.73E-02	2.14E-02	1.82E+00	5.59E-01	1.38E-04	4.09E-04	6.26E-04	5.60E-01
3451	474363.09	3849377.25	5.27E-01	1.30E-04	4.34E-04	5.80E-04	5.28E-01	5.50E-01	1.33E+00	3.96E-02	1.98E-02	1.94E+00	5.49E-01	1.52E-04	4.34E-04	5.80E-04	5.50E-01
3452	474863.09	3849377.25	4.66E-01	1.35E-04	4.31E-04	6.00E-04	4.68E-01	4.87E-01	1.38E+00	3.93E-02	2.05E-02	1.93E+00	4.86E-01	1.58E-04	4.31E-04	6.00E-04	4.87E-01
3453	475363.09	3849377.25	4.97E-01	1.06E-04	4.20E-04	5.34E-04	4.98E-01	5.19E-01	1.09E+00	3.83E-02	1.83E-02	1.66E+00	5.18E-01	1.25E-04	4.20E-04	5.34E-04	5.19E-01
3454	475863.09	3849377.25	4.79E-01	1.12E-04	4.18E-04	5.56E-04	4.80E-01	4.99E-01	1.14E+00	3.81E-02	1.90E-02	1.70E+00	4.98E-01	1.31E-04	4.18E-04	5.56E-04	5.00E-01
3455	476363.09	3849377.25	4.76E-01	1.24E-04	4.28E-04	5.37E-04	4.77E-01	4.96E-01	1.26E+00	3.90E-02	1.84E-02	1.82E+00	4.95E-01	1.45E-04	4.28E-04	5.37E-04	4.96E-01
3456	476863.09	3849377.25	5.44E-01	1.81E-04	4.35E-04	5.34E-04	5.46E-01	5.68E-01	1.84E+00	3.97E-02	1.82E-02	2.47E+00	5.67E-01	2.11E-04	4.35E-04	5.34E-04	5.68E-01
3457	477363.09	3849377.25	4.24E-01	1.61E-04	4.44E-04	4.51E-04	4.25E-01	4.43E-01	1.64E+00	4.05E-02	1.54E-02	2.14E+00	4.42E-01	1.88E-04	4.44E-04	4.51E-04	4.43E-01
3458	477863.09	3849377.25	4.56E-01	1.53E-04	4.52E-04	5.06E-04	4.57E-01	4.76E-01	1.56E+00	4.12E-02	1.73E-02	2.09E+00	4.75E-01	1.78E-04	4.52E-04	5.06E-04	4.76E-01
3459	478363.09	3849377.25	5.06E-01	1.31E-04	4.52E-04	5.17E-04	5.07E-01	5.28E-01	1.34E+00	4.12E-02	1.77E-02	1.93E+00	5.27E-01	1.53E-04	4.52E-04	5.17E-04	5.28E-01
3460	478863.09	3849377.25	7.79E-01	1.04E-04	4.63E-04	6.11E-04	7.80E-01	8.13E-01	1.07E+00	4.22E-02	2.09E-02	1.94E+00	8.12E-01	1.22E-04	4.63E-04	6.11E-04	8.13E-01
3461	479363.09	3849377.25	8.51E-01	8.04E-05	5.02E-04	6.30E-04	8.53E-01	8.88E-01	8.22E-01	4.57E-02	2.15E-02	1.78E+00	8.87E-01	9.41E-05	5.02E-04	6.30E-04	8.88E-01
3462	479863.09	3849377.25	5.94E-01	6.06E-05	5.44E-04	6.56E-04	5.95E-01	6.20E-01	6.19E-01	4.96E-02	2.24E-02	1.31E+00	6.19E-01	7.09E-05	5.44E-04	6.56E-04	6.20E-01
3463	480363.09	3849377.25	5.01E-01	6.36E-05	6.14E-04	6.92E-04	5.03E-01	5.23E-01	6.49E-01	5.60E-02	2.37E-02	1.25E+00	5.22E-01	7.44E-05	6.14E-04	6.92E-04	5.24E-01
3464	480863.09	3849377.25	3.91E-01	5.01E-05	6.85E-04	7.83E-04	3.93E-01	4.08E-01	5.12E-01	6.25E-02	2.68E-02	1.01E+00	4.07E-01	5.86E-05	6.85E-04	7.83E-04	4.09E-01
3465	481363.09	3849377.25	3.98E-01	4.05E-05	6.79E-04	8.84E-04	4.00E-01	4.16E-01	4.14E-01	6.19E-02	3.02E-02	9.22E-01	4.15E-01	4.74E-05	6.79E-04	8.84E-04	4.17E-01
3466	481863.09	3849377.25	2.80E-01	2.77E-05	6.84E-04	9.01E-04	2.81E-01	2.92E-01	2.83E-01	6.24E-02	3.08E-02	6.68E-01	2.91E-01	3.24E-05	6.84E-04	9.01E-04	2.93E-01
3467	482363.09	3849377.25	2.19E-01	2.39E-05	6.80E-04	8.53E-04	2.20E-01	2.28E-01	2.45E-01	6.20E-02	2.92E-02	5.64E-01	2.28E-01	2.80E-05	6.80E-04	8.53E-04	2.29E-01
3468	482863.09	3849377.25	1.48E-01	1.89E-05	6.39E-04	8.90E-04	1.50E-01	1.55E-01	1.93E-01	5.82E-02	3.04E-02	4.36E-01	1.54E-01	2.21E-05	6.39E-04	8.90E-04	1.56E-01
3469	483363.09	3849377.25	1.22E-01	1.72E-05	6.49E-04	8.99E-04	1.23E-01	1.27E-01	1.76E-01	5.92E-02	3.07E-02	3.93E-01	1.27E-01	2.02E-05	6.49E-04	8.99E-04	1.28E-01
3470	483863.09	3849377.25	9.76E-02	1.56E-05	5.74E-04	7.87E-04	9.89E-02	1.02E-01	1.59E-01	5.23E-02	2.69E-02	3.40E-01	1.02E-01	1.82E-05	5.74E-04	7.87E-04	1.03E-01
3471	484363.09	3849377.25	1.55E-01	1.91E-05	6.22E-04	7.08E-04	1.56E-01	1.62E-01	1.95E-01	5.68E-02	2.42E-02	4.37E-01	1.62E-01	2.23E-05	6.22E-04	7.08E-04	1.63E-01
3472	484863.09	3849377.25	1.91E-01	2.26E-05	6.89E-04	7.60E-04	1.92E-01	1.99E-01	2.31E-01	6.29E-02	2.60E-02	5.19E-01	1.99E-01	2.64E-05	6.89E-04	7.60E-04	2.00E-01
3473	485363.09	3849377.25	1.78E-01	2.22E-05	7.15E-04	8.15E-04	1.79E-01	1.86E-01	2.27E-01	6.52E-02	2.79E-02	5.06E-01	1.85E-01	2.60E-05	7.15E-04	8.15E-04	1.87E-01

3474	485863.09	3849377.25	1.12E-01	1.65E-05	7.42E-04	7.94E-04	1.14E-01	1.17E-01	1.69E-01	6.77E-02	2.72E-02	3.81E-01	1.17E-01	1.93E-05	7.42E-04	7.94E-04	1.19E-01
3475	486363.09	3849377.25	9.37E-02	1.46E-05	6.96E-04	8.02E-04	9.52E-02	9.77E-02	1.49E-01	6.34E-02	2.74E-02	3.38E-01	9.75E-02	1.71E-05	6.96E-04	8.02E-04	9.91E-02
3476	486863.09	3849377.25	1.08E-01	1.55E-05	7.12E-04	7.46E-04	1.10E-01	1.13E-01	1.58E-01	6.49E-02	2.55E-02	3.61E-01	1.13E-01	1.81E-05	7.12E-04	7.46E-04	1.14E-01
3477	487363.09	3849377.25	1.08E-01	1.55E-05	6.78E-04	7.33E-04	1.09E-01	1.12E-01	1.58E-01	6.19E-02	2.51E-02	3.58E-01	1.12E-01	1.81E-05	6.78E-04	7.33E-04	1.13E-01
3478	487863.09	3849377.25	1.00E-01	1.47E-05	6.80E-04	7.68E-04	1.01E-01	1.04E-01	1.51E-01	6.20E-02	2.63E-02	3.43E-01	1.04E-01	1.72E-05	6.80E-04	7.68E-04	1.06E-01
3479	488363.09	3849377.25	9.43E-02	1.53E-05	6.90E-04	8.05E-04	9.58E-02	9.84E-02	1.57E-01	6.29E-02	2.75E-02	3.46E-01	9.82E-02	1.79E-05	6.90E-04	8.05E-04	9.97E-02
3480	488863.09	3849377.25	8.94E-02	1.39E-05	7.25E-04	7.99E-04	9.09E-02	9.33E-02	1.42E-01	6.61E-02	2.73E-02	3.28E-01	9.31E-02	1.62E-05	7.25E-04	7.99E-04	9.46E-02
3481	489363.09	3849377.25	8.37E-02	1.47E-05	7.60E-04	8.16E-04	8.53E-02	8.73E-02	1.50E-01	6.93E-02	2.79E-02	3.34E-01	8.71E-02	1.72E-05	7.60E-04	8.16E-04	8.87E-02
3482	489863.09	3849377.25	8.17E-02	1.43E-05	8.63E-04	8.07E-04	8.34E-02	8.53E-02	1.47E-01	7.87E-02	2.76E-02	3.38E-01	8.51E-02	1.68E-05	8.63E-04	8.07E-04	8.68E-02
3483	490363.09	3849377.25	7.55E-02	1.34E-05	9.16E-04	9.76E-04	7.74E-02	7.88E-02	1.37E-01	8.35E-02	3.34E-02	3.33E-01	7.86E-02	1.57E-05	9.16E-04	9.76E-04	8.05E-02
3484	490863.09	3849377.25	7.29E-02	1.25E-05	7.83E-04	1.07E-03	7.48E-02	7.61E-02	1.28E-01	7.14E-02	3.65E-02	3.12E-01	7.60E-02	1.46E-05	7.83E-04	1.07E-03	7.78E-02
3485	491363.09	3849377.25	6.66E-02	1.33E-05	8.80E-04	9.78E-04	6.85E-02	6.95E-02	1.35E-01	8.03E-02	3.34E-02	3.19E-01	6.94E-02	1.55E-05	8.80E-04	9.78E-04	7.12E-02
3486	491863.09	3849377.25	5.66E-02	1.13E-05	8.41E-04	9.45E-04	5.84E-02	5.91E-02	1.16E-01	7.67E-02	3.23E-02	2.84E-01	5.89E-02	1.33E-05	8.41E-04	9.45E-04	6.07E-02
3487	492363.09	3849377.25	5.06E-02	1.06E-05	9.37E-04	9.50E-04	5.25E-02	5.28E-02	1.08E-01	8.55E-02	3.25E-02	2.79E-01	5.27E-02	1.24E-05	9.37E-04	9.50E-04	5.46E-02
3488	492863.09	3849377.25	4.47E-02	1.01E-05	1.02E-03	9.42E-04	4.67E-02	4.66E-02	1.03E-01	9.31E-02	3.22E-02	2.75E-01	4.66E-02	1.18E-05	1.02E-03	9.42E-04	4.85E-02
3489	493363.09	3849377.25	4.26E-02	9.41E-06	1.07E-03	8.96E-04	4.45E-02	4.44E-02	9.61E-02	9.71E-02	3.07E-02	2.68E-01	4.43E-02	1.10E-05	1.07E-03	8.96E-04	4.63E-02
3490	493863.09	3849377.25	4.13E-02	9.96E-06	9.77E-04	9.34E-04	4.32E-02	4.31E-02	1.02E-01	8.91E-02	3.19E-02	2.66E-01	4.30E-02	1.16E-05	9.77E-04	9.34E-04	4.49E-02
3491	494363.09	3849377.25	4.26E-02	9.49E-06	8.43E-04	9.23E-04	4.43E-02	4.44E-02	9.69E-02	7.68E-02	3.16E-02	2.50E-01	4.43E-02	1.11E-05	8.43E-04	9.23E-04	4.61E-02
3492	494863.09	3849377.25	4.72E-02	1.05E-05	1.11E-03	9.26E-04	4.92E-02	4.92E-02	1.08E-01	1.01E-01	3.17E-02	2.89E-01	4.91E-02	1.23E-05	1.11E-03	9.26E-04	5.12E-02
3493	495363.09	3849377.25	4.76E-02	1.09E-05	1.57E-03	9.50E-04	5.01E-02	4.96E-02	1.11E-01	1.43E-01	3.25E-02	3.36E-01	4.95E-02	1.27E-05	1.57E-03	9.50E-04	5.20E-02
3494	495863.09	3849377.25	4.30E-02	8.84E-06	1.78E-03	8.59E-04	4.56E-02	4.49E-02	9.03E-02	1.63E-01	2.94E-02	3.27E-01	4.48E-02	1.03E-05	1.78E-03	8.59E-04	4.74E-02
3495	496363.09	3849377.25	4.24E-02	9.00E-06	2.04E-03	8.44E-04	4.53E-02	4.42E-02	9.20E-02	1.86E-01	2.89E-02	3.51E-01	4.42E-02	1.05E-05	2.04E-03	8.44E-04	4.71E-02
3496	496863.09	3849377.25	5.24E-02	1.04E-05	2.14E-03	9.80E-04	5.55E-02	5.46E-02	1.06E-01	1.95E-01	3.35E-02	3.90E-01	5.45E-02	1.22E-05	2.14E-03	9.80E-04	5.77E-02
3497	497363.09	3849377.25	5.44E-02	1.04E-05	2.41E-03	1.01E-03	5.78E-02	5.68E-02	1.06E-01	2.20E-01	3.45E-02	4.18E-01	5.67E-02	1.22E-05	2.41E-03	1.01E-03	6.01E-02
3498	497863.09	3849377.25	6.74E-02	1.24E-05	2.66E-03	1.11E-03	7.12E-02	7.04E-02	1.27E-01	2.42E-01	3.81E-02	4.78E-01	7.02E-02	1.45E-05	2.66E-03	1.11E-03	7.40E-02
3499	498363.09	3849377.25	6.51E-02	1.21E-05	2.35E-03	1.08E-03	6.86E-02	6.79E-02	1.24E-01	2.14E-01	3.70E-02	4.43E-01	6.78E-02	1.42E-05	2.35E-03	1.08E-03	7.13E-02
3500	471363.09	3849877.25	2.55E-01	8.07E-05	5.04E-04	6.70E-04	2.56E-01	2.66E-01	8.24E-01	4.59E-02	2.29E-02	1.16E+00	2.66E-01	9.44E-05	5.04E-04	6.70E-04	2.67E-01
3501	471863.09	3849877.25	2.98E-01	1.08E-04	5.03E-04	6.99E-04	3.00E-01	3.11E-01	1.10E+00	4.59E-02	2.39E-02	1.49E+00	3.11E-01	1.26E-04	5.03E-04	6.99E-04	3.12E-01
3502	472363.09	3849877.25	3.55E-01	1.29E-04	5.09E-04	6.61E-04	3.57E-01	3.71E-01	1.32E+00	4.64E-02	2.26E-02	1.76E+00	3.70E-01	1.51E-04	5.09E-04	6.61E-04	3.71E-01
3503	472863.09	3849877.25	3.83E-01	1.20E-04	4.92E-04	6.81E-04	3.84E-01	4.00E-01	1.22E+00	4.49E-02	2.33E-02	1.69E+00	3.99E-01	1.40E-04	4.92E-04	6.81E-04	4.00E-01
3504	473363.09	3849877.25	4.24E-01	1.33E-04	4.77E-04	7.41E-04	4.26E-01	4.43E-01	1.36E+00	4.35E-02	2.53E-02	1.87E+00	4.42E-01	1.56E-04	4.77E-04	7.41E-04	4.43E-01
3505	473863.09	3849877.25	4.85E-01	1.28E-04	4.47E-04	7.55E-04	4.86E-01	5.06E-01	1.31E+00	4.08E-02	2.58E-02	1.88E+00	5.05E-01	1.50E-04	4.47E-04	7.55E-04	5.06E-01
3506	474363.09	3849877.25	4.67E-01	1.30E-04	4.21E-04	7.01E-04	4.68E-01	4.87E-01	1.32E+00	3.84E-02	2.40E-02	1.87E+00	4.86E-01	1.52E-04	4.21E-04	7.01E-04	4.88E-01
3507	474863.09	3849877.25	6.15E-01	1.38E-04	4.63E-04	6.33E-04	6.16E-01	6.42E-01	1.41E+00	4.22E-02	2.16E-02	2.12E+00	6.41E-01	1.62E-04	4.63E-04	6.33E-04	6.42E-01
3508	475363.09	3849877.25	6.10E-01	1.59E-04	4.61E-04	6.27E-04	6.11E-01	6.36E-01	1.62E+00	4.20E-02	2.14E-02	2.32E+00	6.35E-01	1.86E-04	4.61E-04	6.27E-04	6.36E-01
3509	475863.09	3849877.25	5.13E-01	1.24E-04	4.45E-04	5.89E-04	5.14E-01	5.36E-01	1.26E+00	4.06E-02	2.01E-02	1.86E+00	5.35E-01	1.45E-04	4.45E-04	5.89E-04	5.36E-01
3510	476363.09	3849877.25	5.58E-01	1.22E-04	4.42E-04	5.90E-04	5.59E-01	5.82E-01	1.25E+00	4.03E-02	2.02E-02	1.89E+00	5.81E-01	1.43E-04	4.42E-04	5.90E-04	5.82E-01
3511	476863.09	3849877.25	5.53E-01	1.39E-04	4.49E-04	5.82E-04	5.54E-01	5.77E-01	1.42E+00	4.10E-02	1.99E-02	2.06E+00	5.75E-01	1.62E-04	4.49E-04	5.82E-04	5.77E-01
3512	477363.09	3849877.25	5.71E-01	2.20E-04	4.61E-04	5.74E-04	5.72E-01	5.96E-01	2.24E+00	4.20E-02	1.96E-02	2.90E+00	5.94E-01	2.57E-04	4.61E-04	5.74E-04	5.96E-01
3513	477863.09	3849877.25	5.53E-01	2.07E-04	4.70E-04	4.87E-04	5.54E-01	5.77E-01	2.12E+00	4.28E-02	1.67E-02	2.75E+00	5.76E-01	2.42E-04	4.70E-04	4.87E-04	5.77E-01
3514	478363.09	3849877.25	4.98E-01	1.80E-04	4.77E-04	5.44E-04	4.99E-01	5.20E-01	1.84E+00	4.35E-02	1.86E-02	2.42E+00	5.19E-01	2.11E-04	4.77E-04	5.44E-04	5.20E-01
3515	478863.09	3849877.25	5.69E-01	1.54E-04	4.82E-04	5.62E-04	5.70E-01	5.93E-01	1.57E+00	4.39E-02	1.92E-02	2.23E+00	5.92E-01	1.80E-04	4.82E-04	5.62E-04	5.94E-01
3516	479363.09	3849877.25	9.58E-01	1.29E-04	4.89E-04	6.60E-04	9.60E-01	1.00E+00	1.31E+00	4.46E-02	2.26E-02	2.38E+00	9.98E-01	1.51E-04	4.89E-04	6.60E-04	9.99E-01
3517	479863.09	3849877.25	1.00E+00	1.08E-04	5.08E-04	6.52E-04	1.00E+00	1.05E+00	1.10E+00	4.63E-02	2.23E-02	2.22E+00	1.04E+00	1.26E-04	5.08E-04	6.52E-04	1.05E+00
3518	480363.09	3849877.25	7.35E-01	8.01E-05	5.62E-04	6.59E-04	7.36E-01	7.66E-01	8.18E-01	5.12E-02	2.25E-02	1.66E+00	7.65E-01	9.37E-05	5.62E-04	6.59E-04	7.66E-01
3519	480863.09	3849877.25	5.15E-01	5.56E-05	6.37E-04	7.99E-04	5.16E-01	5.37E-01	5.68E-01	5.81E-02	2.73E-02	1.19E+00	5.36E-01	6.50E-05	6.37E-04	7.99E-04	5.38E-01
3520	481363.09	3849877.25	4.34E-01	4.45E-05	6.88E-04	9.18E-04	4.36E-01	4.53E-01	4.55E-01	6.28E-02	3.14E-02	1.00E+00	4.52E-01	5.21E-05	6.88E-04	9.18E-04	4.54E-01
3521	481863.09	3849877.25	2.58E-01	2.84E-05	7.08E-04	9.97E-04	2.59E-01	2.69E-01	2.90E-01	6.46E-02	3.41E-02	6.57E-01	2.68E-01	3.32E-05	7.08E-04	9.97E-04	2.70E-01
3522	482363.09	3849877.25	1.97E-01	2.52E-05	6.95E-04	8.75E-04	1.98E-01	2.05E-01	2.58E-01	6.34E-02	2.99E-02	5.56E-01	2.05E-01	2.95E-05	6.95E-04	8.75E-04	2.06E-01
3523	482863.09	3849877.25	1.61E-01	2.02E-05	6.89E-04	9.33E-04	1.63E-01	1.68E-01	2.06E-01	6.28E-02	3.19E-02	4.69E-01	1.68E-01	2.36E-05	6.89E-04	9.33E-04	1.70E-01
3524	483363.09	3849877.25	1.27E-01	1.79E-05	6.72E-04	9.33E-04	1.28E-01	1.32E-01	1.82E-01	6.13E-02	3.19E-02	4.08E-01	1.32E-01	2.09E-05	6.72E-04	9.33E-04	1.34E-01
3525	483863.09	3849877.25	1.15E-01	1.72E-05	6.38E-04	8.75E-04	1.17E-01	1.20E-01	1.76E-01	5.82E-02	2.99E-02	3.84E-01	1.20E-01	2.01E-05	6.38E-04	8.75E-04	1.22E-01
3526	484363.09	3849877.25	1.72E-01	2.00E-05	6.21E-04	7.03E-04	1.73E-01	1.79E-01	2.04E-01	5.67E-02	2.40E-02	4.64E-01	1.79E-01	2.34E-05	6.21E-04	7.03E-04	1.80E-01
3527	484863.09	3849877.25	2.49E-01	2.62E-05	7.01E-04	9.19E-04	2.51E-01	2.60E-01	2.68E-01	6.39E-02	3.14E-02	6.23E-01	2.59E-01	3.07E-05	7.01E-04	9.19E-04	2.61E-01
3528	485363.09	3849877.25	2.03E-01	2.38E-05	7.34E-04	9.37E-04	2.05E-01	2.12E-01	2.44E-01	6.70E-02	3.20E-02	5.54E-01	2.11E-01	2.79E-05	7.34E-04	9.37E-04	2.13E-01
3529	485863.09	3849877.25	1.39E-01	1.91E-05	7.93E-04	8.86E-04	1.41E-01	1.45E-01	1.95E-01	7.23E-02	3.03E-02	4.43E-01	1.45E-01	2.23E-05	7.93E-04	8.86E-04	1.46E-01
3530	486363.09	3849877.25	1.28E-01	1.82E-05	7.36E-04	9.79E-04	1.29E-01	1.33E-01	1.86E-01	6.71E-02	3.35E-02	4.20E-01	1.33E-01	2.13E-05	7.36E-04	9.79E-04	1.35E-01
3531	486863.09	3849877.25	1.35E-01	1.84E-05	7.68E-04	8.13E-04	1.36E-01	1.41E-01	1.88E-01	7.00E-02	2.78E-02	4.27E-01	1.40E-01	2.16E-05	7.68E-04	8.13E-04	1.42E-01
3532	487363.09	3849877.25	1.22E-01	1.76E-05	7.33E-04	8.22E-04	1.23E-01	1.27E-01	1.80E-01	6.69E-02	2.81E-02	4.02E-01	1.27E-01	2.06E-05	7.33E-04	8.22E-04	1.29E-01
3533	487863.09	3849877.25	1.14E-01	1.68E-05	7.21E-04	8.38E-04	1.16E-01	1.19E-01	1.71E-01	6.58E-02	2.87E-02	3.85E-01	1.19E-01	1.96E-05	7.21E-04	8.38E-04	1.21E-01
3534	488363.09	3849877.25	1.09E-01	1.74E-05	7.68E-04	9.03E-04	1.10E-01	1.13E-01	1.78E-01	7.00E-02	3.09E-02	3.92E-01	1.13E-01	2.04E-05	7.68E-04	9.03E-04	1.15E-01

3535	488863.09	3849877.25	1.03E-01	1.52E-05	8.00E-04	8.64E-04	1.04E-01	1.07E-01	1.55E-01	7.29E-02	2.96E-02	3.65E-01	1.07E-01	1.78E-05	8.00E-04	8.64E-04	1.09E-01
3536	489363.09	3849877.25	9.81E-02	1.64E-05	8.23E-04	8.49E-04	9.97E-02	1.02E-01	1.67E-01	7.50E-02	2.90E-02	3.74E-01	1.02E-01	1.91E-05	8.23E-04	8.49E-04	1.04E-01
3537	489863.09	3849877.25	8.92E-02	1.49E-05	9.65E-04	1.03E-03	9.12E-02	9.31E-02	1.52E-01	8.80E-02	3.51E-02	3.69E-01	9.29E-02	1.74E-05	9.65E-04	1.03E-03	9.49E-02
3538	490363.09	3849877.25	8.43E-02	1.44E-05	1.06E-03	1.19E-03	8.66E-02	8.80E-02	1.47E-01	9.67E-02	4.08E-02	3.73E-01	8.78E-02	1.69E-05	1.06E-03	1.19E-03	9.01E-02
3539	490863.09	3849877.25	7.68E-02	1.42E-05	9.20E-04	1.07E-03	7.88E-02	8.02E-02	1.45E-01	8.39E-02	3.67E-02	3.46E-01	8.00E-02	1.66E-05	9.20E-04	1.07E-03	8.20E-02
3540	491363.09	3849877.25	7.12E-02	1.31E-05	9.22E-04	9.69E-04	7.31E-02	7.43E-02	1.34E-01	8.41E-02	3.31E-02	3.25E-01	7.42E-02	1.53E-05	9.22E-04	9.69E-04	7.61E-02
3541	491863.09	3849877.25	6.25E-02	1.20E-05	8.96E-04	1.01E-03	6.45E-02	6.53E-02	1.22E-01	8.17E-02	3.44E-02	3.04E-01	6.51E-02	1.40E-05	8.96E-04	1.01E-03	6.70E-02
3542	492363.09	3849877.25	5.65E-02	1.10E-05	1.06E-03	1.04E-03	5.86E-02	5.89E-02	1.13E-01	9.67E-02	3.55E-02	3.04E-01	5.88E-02	1.29E-05	1.06E-03	1.04E-03	6.09E-02
3543	492863.09	3849877.25	5.31E-02	1.09E-05	1.07E-03	9.98E-04	5.52E-02	5.54E-02	1.12E-01	9.80E-02	3.41E-02	2.99E-01	5.53E-02	1.28E-05	1.07E-03	9.98E-04	5.74E-02
3544	493363.09	3849877.25	4.86E-02	1.02E-05	1.18E-03	9.61E-04	5.08E-02	5.07E-02	1.04E-01	1.08E-01	3.29E-02	2.95E-01	5.06E-02	1.19E-05	1.18E-03	9.61E-04	5.28E-02
3545	493863.09	3849877.25	4.39E-02	9.81E-06	9.35E-04	9.51E-04	4.58E-02	4.58E-02	1.00E-01	8.53E-02	3.25E-02	2.64E-01	4.58E-02	1.15E-05	9.35E-04	9.51E-04	4.77E-02
3546	494363.09	3849877.25	4.95E-02	1.11E-05	1.10E-03	1.03E-03	5.17E-02	5.17E-02	1.13E-01	1.01E-01	3.51E-02	3.01E-01	5.16E-02	1.30E-05	1.10E-03	1.03E-03	5.37E-02
3547	494863.09	3849877.25	5.37E-02	1.26E-05	1.60E-03	1.12E-03	5.65E-02	5.61E-02	1.29E-01	1.46E-01	3.83E-02	3.70E-01	5.59E-02	1.48E-05	1.60E-03	1.12E-03	5.87E-02
3548	495363.09	3849877.25	5.06E-02	1.00E-05	1.86E-03	9.86E-04	5.35E-02	5.28E-02	1.03E-01	1.69E-01	3.37E-02	3.58E-01	5.27E-02	1.18E-05	1.86E-03	9.86E-04	5.56E-02
3549	495863.09	3849877.25	5.60E-02	1.13E-05	2.22E-03	1.01E-03	5.92E-02	5.84E-02	1.15E-01	2.02E-01	3.47E-02	4.10E-01	5.83E-02	1.32E-05	2.22E-03	1.01E-03	6.15E-02
3550	496363.09	3849877.25	5.73E-02	1.22E-05	2.31E-03	1.09E-03	6.07E-02	5.98E-02	1.25E-01	2.10E-01	3.73E-02	4.32E-01	5.97E-02	1.43E-05	2.31E-03	1.09E-03	6.31E-02
3551	496863.09	3849877.25	5.80E-02	1.27E-05	2.60E-03	1.09E-03	6.17E-02	6.06E-02	1.30E-01	2.37E-01	3.74E-02	4.65E-01	6.04E-02	1.49E-05	2.60E-03	1.09E-03	6.41E-02
3552	497363.09	3849877.25	6.99E-02	1.27E-05	2.75E-03	1.15E-03	7.38E-02	7.29E-02	1.29E-01	2.51E-01	3.95E-02	4.93E-01	7.28E-02	1.48E-05	2.75E-03	1.15E-03	7.67E-02
3553	497863.09	3849877.25	7.16E-02	1.31E-05	2.64E-03	1.16E-03	7.54E-02	7.47E-02	1.34E-01	2.40E-01	3.98E-02	4.89E-01	7.45E-02	1.54E-05	2.64E-03	1.16E-03	7.84E-02
3554	498363.09	3849877.25	6.71E-02	1.30E-05	2.35E-03	1.15E-03	7.06E-02	7.00E-02	1.33E-01	2.14E-01	3.94E-02	4.57E-01	6.99E-02	1.52E-05	2.35E-03	1.15E-03	7.34E-02
3555	471363.09	3850377.25	2.48E-01	5.03E-05	5.25E-04	7.21E-04	2.49E-01	2.58E-01	5.14E-01	4.79E-02	2.46E-02	8.45E-01	2.58E-01	5.89E-05	5.25E-04	7.21E-04	2.59E-01
3556	471863.09	3850377.25	2.82E-01	7.48E-05	5.31E-04	7.27E-04	2.84E-01	2.95E-01	7.64E-01	4.84E-02	2.49E-02	1.13E+00	2.94E-01	8.75E-05	5.31E-04	7.27E-04	2.95E-01
3557	472363.09	3850377.25	3.17E-01	9.36E-05	5.33E-04	7.08E-04	3.18E-01	3.30E-01	9.57E-01	4.86E-02	2.42E-02	1.36E+00	3.30E-01	1.10E-04	5.33E-04	7.08E-04	3.31E-01
3558	472863.09	3850377.25	3.51E-01	1.32E-04	5.40E-04	7.55E-04	3.53E-01	3.66E-01	1.35E+00	4.93E-02	2.58E-02	1.79E+00	3.66E-01	1.55E-04	5.40E-04	7.55E-04	3.67E-01
3559	473363.09	3850377.25	3.84E-01	1.35E-04	5.38E-04	7.37E-04	3.86E-01	4.01E-01	1.38E+00	4.91E-02	2.52E-02	1.85E+00	4.00E-01	1.58E-04	5.38E-04	7.37E-04	4.02E-01
3560	473863.09	3850377.25	4.37E-01	1.26E-04	5.24E-04	7.72E-04	4.39E-01	4.56E-01	1.29E+00	4.77E-02	2.64E-02	1.82E+00	4.55E-01	1.47E-04	5.24E-04	7.72E-04	4.57E-01
3561	474363.09	3850377.25	4.99E-01	1.40E-04	5.09E-04	7.96E-04	5.00E-01	5.21E-01	1.43E+00	4.64E-02	2.72E-02	2.03E+00	5.20E-01	1.64E-04	5.09E-04	7.96E-04	5.21E-01
3562	474863.09	3850377.25	5.67E-01	1.44E-04	4.67E-04	7.88E-04	5.68E-01	5.91E-01	1.47E+00	4.26E-02	2.70E-02	2.13E+00	5.90E-01	1.68E-04	4.67E-04	7.88E-04	5.91E-01
3563	475363.09	3850377.25	5.70E-01	1.49E-04	4.49E-04	7.35E-04	5.72E-01	5.95E-01	1.53E+00	4.09E-02	2.52E-02	2.19E+00	5.94E-01	1.75E-04	4.49E-04	7.35E-04	5.95E-01
3564	475863.09	3850377.25	7.10E-01	1.65E-04	4.88E-04	6.50E-04	7.11E-01	7.41E-01	1.69E+00	4.45E-02	2.22E-02	2.50E+00	7.39E-01	1.94E-04	4.88E-04	6.50E-04	7.41E-01
3565	476363.09	3850377.25	6.31E-01	1.45E-04	4.81E-04	6.56E-04	6.32E-01	6.58E-01	1.48E+00	4.39E-02	2.24E-02	2.21E+00	6.57E-01	1.70E-04	4.81E-04	6.56E-04	6.58E-01
3566	476863.09	3850377.25	6.56E-01	1.36E-04	4.70E-04	6.12E-04	6.57E-01	6.84E-01	1.39E+00	4.29E-02	2.09E-02	2.14E+00	6.83E-01	1.59E-04	4.70E-04	6.12E-04	6.84E-01
3567	477363.09	3850377.25	5.88E-01	1.61E-04	4.72E-04	6.36E-04	5.89E-01	6.13E-01	1.65E+00	4.30E-02	2.18E-02	2.32E+00	6.12E-01	1.88E-04	4.72E-04	6.36E-04	6.13E-01
3568	477863.09	3850377.25	6.70E-01	2.40E-04	4.84E-04	6.19E-04	6.71E-01	6.99E-01	2.45E+00	4.42E-02	2.12E-02	3.22E+00	6.98E-01	2.81E-04	4.84E-04	6.19E-04	6.99E-01
3569	478363.09	3850377.25	7.46E-01	2.34E-04	4.93E-04	5.29E-04	7.47E-01	7.78E-01	2.39E+00	4.50E-02	1.81E-02	3.23E+00	7.77E-01	2.73E-04	4.93E-04	5.29E-04	7.78E-01
3570	478863.09	3850377.25	5.91E-01	2.14E-04	5.07E-04	5.86E-04	5.93E-01	6.17E-01	2.19E+00	4.62E-02	2.00E-02	2.87E+00	6.16E-01	2.51E-04	5.07E-04	5.86E-04	6.17E-01
3571	479363.09	3850377.25	6.70E-01	1.96E-04	5.12E-04	6.37E-04	6.72E-01	7.00E-01	2.00E+00	4.67E-02	2.18E-02	2.77E+00	6.98E-01	2.29E-04	5.12E-04	6.37E-04	7.00E-01
3572	479863.09	3850377.25	1.16E+00	1.60E-04	5.17E-04	7.27E-04	1.16E+00	1.21E+00	1.64E+00	4.72E-02	2.49E-02	2.92E+00	1.21E+00	1.88E-04	5.17E-04	7.27E-04	1.21E+00
3573	480363.09	3850377.25	1.12E+00	1.15E-04	5.35E-04	7.33E-04	1.12E+00	1.17E+00	1.17E+00	4.88E-02	2.51E-02	2.41E+00	1.16E+00	1.34E-04	5.35E-04	7.33E-04	1.17E+00
3574	480863.09	3850377.25	8.79E-01	1.01E-04	6.01E-04	7.86E-04	8.80E-01	9.17E-01	1.04E+00	5.49E-02	2.69E-02	2.03E+00	9.15E-01	1.19E-04	6.01E-04	7.86E-04	9.17E-01
3575	481363.09	3850377.25	5.58E-01	5.31E-05	6.75E-04	9.30E-04	5.60E-01	5.83E-01	5.43E-01	6.16E-02	3.18E-02	1.22E+00	5.81E-01	6.22E-05	6.75E-04	9.30E-04	5.83E-01
3576	481863.09	3850377.25	5.83E-01	4.81E-05	7.43E-04	1.06E-03	5.85E-01	6.09E-01	4.92E-01	6.78E-02	3.61E-02	1.20E+00	6.08E-01	5.63E-05	7.43E-04	1.06E-03	6.09E-01
3577	482363.09	3850377.25	5.14E-01	4.16E-05	7.55E-04	1.16E-03	5.16E-01	5.36E-01	4.25E-01	6.89E-02	3.96E-02	1.07E+00	5.35E-01	4.87E-05	7.55E-04	1.16E-03	5.37E-01
3578	482863.09	3850377.25	2.84E-01	2.88E-05	7.71E-04	9.64E-04	2.86E-01	2.97E-01	2.94E-01	7.03E-02	3.30E-02	6.94E-01	2.96E-01	3.37E-05	7.71E-04	9.64E-04	2.98E-01
3579	483363.09	3850377.25	1.83E-01	2.23E-05	7.60E-04	1.01E-03	1.84E-01	1.90E-01	2.27E-01	6.93E-02	3.46E-02	5.22E-01	1.90E-01	2.60E-05	7.60E-04	1.01E-03	1.92E-01
3580	483863.09	3850377.25	1.83E-01	2.21E-05	7.74E-04	1.00E-03	1.85E-01	1.91E-01	2.25E-01	7.06E-02	3.42E-02	5.22E-01	1.91E-01	2.58E-05	7.74E-04	1.00E-03	1.93E-01
3581	484363.09	3850377.25	2.40E-01	2.50E-05	7.36E-04	8.25E-04	2.41E-01	2.50E-01	2.56E-01	6.71E-02	2.82E-02	6.01E-01	2.49E-01	2.93E-05	7.36E-04	8.25E-04	2.51E-01
3582	484863.09	3850377.25	2.91E-01	2.96E-05	7.44E-04	9.44E-04	2.93E-01	3.04E-01	3.03E-01	6.78E-02	3.23E-02	7.07E-01	3.03E-01	3.47E-05	7.44E-04	9.44E-04	3.05E-01
3583	485363.09	3850377.25	2.71E-01	2.83E-05	7.67E-04	9.92E-04	2.72E-01	2.82E-01	2.89E-01	7.00E-02	3.39E-02	6.76E-01	2.82E-01	3.31E-05	7.67E-04	9.92E-04	2.84E-01
3584	485863.09	3850377.25	2.04E-01	2.34E-05	8.40E-04	1.04E-03	2.06E-01	2.13E-01	2.39E-01	7.66E-02	3.56E-02	5.64E-01	2.12E-01	2.73E-05	8.40E-04	1.04E-03	2.14E-01
3585	486363.09	3850377.25	1.91E-01	2.26E-05	8.91E-04	1.09E-03	1.93E-01	1.99E-01	2.31E-01	8.12E-02	3.74E-02	5.49E-01	1.99E-01	2.64E-05	8.91E-04	1.09E-03	2.01E-01
3586	486863.09	3850377.25	1.72E-01	2.22E-05	7.93E-04	1.03E-03	1.74E-01	1.80E-01	2.26E-01	7.23E-02	3.53E-02	5.14E-01	1.80E-01	2.59E-05	7.93E-04	1.03E-03	1.81E-01
3587	487363.09	3850377.25	1.43E-01	1.94E-05	7.94E-04	9.62E-04	1.45E-01	1.49E-01	1.99E-01	7.24E-02	3.29E-02	4.53E-01	1.49E-01	2.27E-05	7.94E-04	9.62E-04	1.51E-01
3588	487863.09	3850377.25	1.36E-01	1.84E-05	7.67E-04	9.56E-04	1.38E-01	1.42E-01	1.88E-01	7.00E-02	3.27E-02	4.33E-01	1.42E-01	2.16E-05	7.67E-04	9.56E-04	1.44E-01
3589	488363.09	3850377.25	1.28E-01	1.96E-05	8.47E-04	9.80E-04	1.29E-01	1.33E-01	2.00E-01	7.73E-02	3.35E-02	4.44E-01	1.33E-01	2.29E-05	8.47E-04	9.80E-04	1.35E-01
3590	488863.09	3850377.25	1.17E-01	1.69E-05	8.69E-04	8.97E-04	1.18E-01	1.22E-01	1.72E-01	7.93E-02	3.07E-02	4.04E-01	1.21E-01	1.97E-05	8.69E-04	8.97E-04	1.23E-01
3591	489363.09	3850377.25	1.10E-01	1.78E-05	9.27E-04	1.09E-03	1.12E-01	1.15E-01	1.82E-01	8.46E-02	3.72E-02	4.18E-01	1.15E-01	2.08E-05	9.27E-04	1.09E-03	1.17E-01
3592	489863.09	3850377.25	1.00E-01	1.66E-05	1.08E-03	1.32E-03	1.03E-01	1.05E-01	1.70E-01	9.84E-02	4.53E-02	4.18E-01	1.04E-01	1.95E-05	1.08E-03	1.32E-03	1.07E-01
3593	490363.09	3850377.25	9.19E-02	1.57E-05	1.15E-03	1.33E-03	9.44E-02	9.59E-02	1.60E-01	1.05E-01	4.54E-02	4.06E-01	9.57E-02	1.83E-05	1.15E-03	1.33E-03	9.82E-02
3594	490863.09	3850377.25	8.83E-02	1.53E-05	1.03E-03	1.10E-03	9.04E-02	9.21E-02	1.56E-01	9.42E-02	3.75E-02	3.80E-01	9.19E-02	1.79E-05	1.03E-03	1.10E-03	9.41E-02
3595	491363.09	3850377.25	7.89E-02	1.32E-05	1.02E-03	1.05E-03	8.10E-02	8.23E-02	1.35E-01	9.27E-02	3.58E-02	3.46E-01	8.22E-02	1.54E-05	1.02E-03	1.05E-03	8.42E-02

3596	491863.09	3850377.25	6.95E-02	1.25E-05	1.08E-03	1.04E-03	7.16E-02	7.25E-02	1.28E-01	9.81E-02	3.57E-02	3.34E-01	7.24E-02	1.46E-05	1.08E-03	1.04E-03	7.45E-02
3597	492363.09	3850377.25	6.11E-02	1.17E-05	1.15E-03	1.10E-03	6.33E-02	6.37E-02	1.20E-01	1.05E-01	3.75E-02	3.26E-01	6.36E-02	1.37E-05	1.15E-03	1.10E-03	6.58E-02
3598	492863.09	3850377.25	5.91E-02	1.22E-05	1.23E-03	1.08E-03	6.15E-02	6.17E-02	1.25E-01	1.13E-01	3.70E-02	3.36E-01	6.16E-02	1.43E-05	1.23E-03	1.08E-03	6.39E-02
3599	493363.09	3850377.25	5.29E-02	1.19E-05	1.03E-03	1.07E-03	5.50E-02	5.52E-02	1.22E-01	9.38E-02	3.66E-02	3.07E-01	5.51E-02	1.40E-05	1.03E-03	1.07E-03	5.72E-02
3600	493863.09	3850377.25	5.33E-02	1.24E-05	1.11E-03	1.14E-03	5.55E-02	5.56E-02	1.27E-01	1.01E-01	3.88E-02	3.23E-01	5.55E-02	1.45E-05	1.11E-03	1.14E-03	5.78E-02
3601	494363.09	3850377.25	5.62E-02	1.22E-05	1.64E-03	1.12E-03	5.90E-02	5.87E-02	1.25E-01	1.50E-01	3.82E-02	3.72E-01	5.86E-02	1.43E-05	1.64E-03	1.12E-03	6.13E-02
3602	494863.09	3850377.25	6.12E-02	1.25E-05	1.96E-03	1.12E-03	6.43E-02	6.38E-02	1.28E-01	1.79E-01	3.84E-02	4.09E-01	6.37E-02	1.46E-05	1.96E-03	1.12E-03	6.68E-02
3603	495363.09	3850377.25	6.83E-02	1.33E-05	2.50E-03	1.12E-03	7.20E-02	7.13E-02	1.35E-01	2.28E-01	3.85E-02	4.73E-01	7.12E-02	1.55E-05	2.50E-03	1.12E-03	7.48E-02
3604	495863.09	3850377.25	6.37E-02	1.32E-05	2.51E-03	1.20E-03	6.75E-02	6.65E-02	1.34E-01	2.29E-01	4.10E-02	4.71E-01	6.64E-02	1.54E-05	2.51E-03	1.20E-03	7.01E-02
3605	496363.09	3850377.25	7.20E-02	1.33E-05	2.81E-03	1.16E-03	7.60E-02	7.52E-02	1.35E-01	2.56E-01	3.97E-02	5.07E-01	7.50E-02	1.55E-05	2.81E-03	1.16E-03	7.90E-02
3606	496863.09	3850377.25	7.63E-02	1.36E-05	2.89E-03	1.24E-03	8.05E-02	7.96E-02	1.39E-01	2.63E-01	4.25E-02	5.25E-01	7.95E-02	1.60E-05	2.89E-03	1.24E-03	8.36E-02
3607	497363.09	3850377.25	7.86E-02	1.42E-05	2.72E-03	1.27E-03	8.26E-02	8.20E-02	1.45E-01	2.48E-01	4.36E-02	5.19E-01	8.19E-02	1.66E-05	2.72E-03	1.27E-03	8.59E-02
3608	497863.09	3850377.25	7.97E-02	1.38E-05	2.56E-03	1.30E-03	8.36E-02	8.31E-02	1.41E-01	2.33E-01	4.43E-02	5.02E-01	8.30E-02	1.62E-05	2.56E-03	1.30E-03	8.69E-02
3609	498363.09	3850377.25	7.84E-02	1.37E-05	2.72E-03	1.38E-03	8.25E-02	8.18E-02	1.40E-01	2.48E-01	4.73E-02	5.17E-01	8.17E-02	1.60E-05	2.72E-03	1.38E-03	8.58E-02
3610	471363.09	3850877.25	3.53E-01	5.45E-05	5.15E-04	7.38E-04	3.54E-01	3.68E-01	5.57E-01	4.70E-02	2.52E-02	9.97E-01	3.68E-01	6.38E-05	5.15E-04	7.38E-04	3.69E-01
3611	471863.09	3850877.25	3.68E-01	6.65E-05	5.21E-04	8.48E-04	3.69E-01	3.84E-01	6.80E-01	4.75E-02	2.90E-02	1.14E+00	3.83E-01	7.79E-05	5.21E-04	8.48E-04	3.85E-01
3612	472363.09	3850877.25	3.79E-01	8.50E-05	5.60E-04	8.12E-04	3.80E-01	3.95E-01	8.68E-01	5.10E-02	2.78E-02	1.34E+00	3.94E-01	9.94E-05	5.60E-04	8.12E-04	3.96E-01
3613	472863.09	3850877.25	3.96E-01	1.02E-04	5.61E-04	7.88E-04	3.97E-01	4.13E-01	1.04E+00	5.12E-02	2.69E-02	1.53E+00	4.12E-01	1.19E-04	5.61E-04	7.88E-04	4.14E-01
3614	473363.09	3850877.25	3.79E-01	1.10E-04	5.76E-04	7.65E-04	3.80E-01	3.95E-01	1.13E+00	5.26E-02	2.62E-02	1.60E+00	3.94E-01	1.29E-04	5.76E-04	7.65E-04	3.96E-01
3615	473863.09	3850877.25	3.98E-01	1.43E-04	5.85E-04	8.19E-04	4.00E-01	4.15E-01	1.46E+00	5.33E-02	2.80E-02	1.96E+00	4.15E-01	1.67E-04	5.85E-04	8.19E-04	4.16E-01
3616	474363.09	3850877.25	4.44E-01	1.46E-04	5.73E-04	8.36E-04	4.46E-01	4.63E-01	1.50E+00	5.23E-02	2.86E-02	2.04E+00	4.62E-01	1.71E-04	5.73E-04	8.36E-04	4.64E-01
3617	474863.09	3850877.25	4.98E-01	1.62E-04	5.58E-04	8.63E-04	5.00E-01	5.20E-01	1.66E+00	5.09E-02	2.95E-02	2.26E+00	5.19E-01	1.90E-04	5.58E-04	8.63E-04	5.20E-01
3618	475363.09	3850877.25	5.97E-01	1.59E-04	5.45E-04	8.62E-04	5.98E-01	6.22E-01	1.62E+00	4.97E-02	2.95E-02	2.32E+00	6.21E-01	1.86E-04	5.45E-04	8.62E-04	6.23E-01
3619	475863.09	3850877.25	6.45E-01	1.66E-04	4.88E-04	8.25E-04	6.46E-01	6.73E-01	1.70E+00	4.45E-02	2.82E-02	2.44E+00	6.71E-01	1.95E-04	4.88E-04	8.25E-04	6.73E-01
3620	476363.09	3850877.25	6.76E-01	1.72E-04	5.06E-04	7.41E-04	6.78E-01	7.05E-01	1.76E+00	4.62E-02	2.53E-02	2.54E+00	7.04E-01	2.01E-04	5.06E-04	7.41E-04	7.06E-01
3621	476863.09	3850877.25	7.92E-01	1.89E-04	5.16E-04	7.16E-04	7.93E-01	8.26E-01	1.93E+00	4.71E-02	2.45E-02	2.83E+00	8.25E-01	2.21E-04	5.16E-04	7.16E-04	8.26E-01
3622	477363.09	3850877.25	7.12E-01	1.60E-04	5.06E-04	6.41E-04	7.14E-01	7.43E-01	1.64E+00	4.62E-02	2.19E-02	2.45E+00	7.42E-01	1.87E-04	5.06E-04	6.41E-04	7.43E-01
3623	477863.09	3850877.25	7.02E-01	1.83E-04	5.00E-04	7.06E-04	7.03E-01	7.32E-01	1.87E+00	4.56E-02	2.41E-02	2.67E+00	7.31E-01	2.14E-04	5.00E-04	7.06E-04	7.32E-01
3624	478363.09	3850877.25	7.32E-01	2.72E-04	5.11E-04	6.70E-04	7.34E-01	7.64E-01	2.78E+00	4.66E-02	2.29E-02	3.61E+00	7.63E-01	3.18E-04	5.11E-04	6.70E-04	7.64E-01
3625	478863.09	3850877.25	8.33E-01	2.83E-04	5.27E-04	5.79E-04	8.34E-01	8.69E-01	2.89E+00	4.81E-02	1.98E-02	3.83E+00	8.67E-01	3.31E-04	5.27E-04	5.79E-04	8.69E-01
3626	479363.09	3850877.25	7.26E-01	2.58E-04	5.51E-04	6.29E-04	7.28E-01	7.58E-01	2.63E+00	5.02E-02	2.15E-02	3.46E+00	7.56E-01	3.02E-04	5.51E-04	6.29E-04	7.58E-01
3627	479863.09	3850877.25	8.04E-01	2.23E-04	5.41E-04	7.29E-04	8.05E-01	8.38E-01	2.28E+00	4.94E-02	2.49E-02	3.19E+00	8.37E-01	2.61E-04	5.41E-04	7.29E-04	8.38E-01
3628	480363.09	3850877.25	1.28E+00	2.15E-04	5.57E-04	7.98E-04	1.28E+00	1.34E+00	2.20E+00	5.08E-02	2.73E-02	3.62E+00	1.34E+00	2.52E-04	5.57E-04	7.98E-04	1.34E+00
3629	480863.09	3850877.25	1.33E+00	1.65E-04	5.75E-04	8.21E-04	1.33E+00	1.38E+00	1.69E+00	5.25E-02	2.81E-02	3.15E+00	1.38E+00	1.93E-04	5.75E-04	8.21E-04	1.38E+00
3630	481363.09	3850877.25	9.65E-01	1.17E-04	6.46E-04	9.22E-04	9.67E-01	1.01E+00	1.20E+00	5.89E-02	3.15E-02	2.30E+00	1.01E+00	1.37E-04	6.46E-04	9.22E-04	1.01E+00
3631	481863.09	3850877.25	6.96E-01	9.29E-05	7.26E-04	1.08E-03	6.97E-01	7.26E-01	9.49E-01	6.62E-02	3.69E-02	1.78E+00	7.24E-01	1.09E-04	7.26E-04	1.08E-03	7.26E-01
3632	482363.09	3850877.25	7.34E-01	5.82E-05	7.77E-04	1.17E-03	7.36E-01	7.66E-01	5.95E-01	7.09E-02	4.02E-02	1.47E+00	7.65E-01	6.81E-05	7.77E-04	1.17E-03	7.67E-01
3633	482863.09	3850877.25	5.75E-01	4.50E-05	8.14E-04	1.12E-03	5.77E-01	6.00E-01	4.60E-01	7.42E-02	3.82E-02	1.17E+00	5.99E-01	5.27E-05	8.14E-04	1.12E-03	6.01E-01
3634	483363.09	3850877.25	3.81E-01	3.19E-05	8.11E-04	1.09E-03	3.83E-01	3.98E-01	3.26E-01	7.39E-02	3.71E-02	8.35E-01	3.97E-01	3.73E-05	8.11E-04	1.09E-03	3.99E-01
3635	483863.09	3850877.25	3.01E-01	2.95E-05	8.48E-04	1.04E-03	3.03E-01	3.14E-01	3.02E-01	7.74E-02	3.56E-02	7.29E-01	3.13E-01	3.46E-05	8.48E-04	1.04E-03	3.15E-01
3636	484363.09	3850877.25	3.71E-01	3.42E-05	8.16E-04	9.48E-04	3.73E-01	3.87E-01	3.49E-01	7.44E-02	3.24E-02	8.43E-01	3.86E-01	4.00E-05	8.16E-04	9.48E-04	3.88E-01
3637	484863.09	3850877.25	3.46E-01	3.18E-05	7.69E-04	1.00E-03	3.48E-01	3.61E-01	3.25E-01	7.01E-02	3.43E-02	7.91E-01	3.61E-01	3.72E-05	7.69E-04	1.00E-03	3.63E-01
3638	485363.09	3850877.25	3.37E-01	3.09E-05	8.13E-04	1.07E-03	3.39E-01	3.52E-01	3.15E-01	7.41E-02	3.64E-02	7.78E-01	3.51E-01	3.61E-05	8.13E-04	1.07E-03	3.53E-01
3639	485863.09	3850877.25	2.38E-01	2.73E-05	8.97E-04	1.19E-03	2.41E-01	2.49E-01	2.79E-01	8.18E-02	4.08E-02	6.51E-01	2.48E-01	3.20E-05	8.97E-04	1.19E-03	2.50E-01
3640	486363.09	3850877.25	2.34E-01	2.61E-05	9.51E-04	1.18E-03	2.36E-01	2.44E-01	2.66E-01	8.68E-02	4.04E-02	6.38E-01	2.44E-01	3.05E-05	9.51E-04	1.18E-03	2.46E-01
3641	486863.09	3850877.25	2.06E-01	2.56E-05	8.49E-04	1.23E-03	2.08E-01	2.15E-01	2.61E-01	7.74E-02	4.21E-02	5.95E-01	2.14E-01	2.99E-05	8.49E-04	1.23E-03	2.17E-01
3642	487363.09	3850877.25	1.71E-01	2.20E-05	8.52E-04	1.15E-03	1.73E-01	1.78E-01	2.24E-01	7.77E-02	3.94E-02	5.20E-01	1.78E-01	2.57E-05	8.52E-04	1.15E-03	1.80E-01
3643	487863.09	3850877.25	1.59E-01	1.99E-05	8.15E-04	1.08E-03	1.61E-01	1.66E-01	2.03E-01	7.43E-02	3.69E-02	4.80E-01	1.65E-01	2.33E-05	8.15E-04	1.08E-03	1.67E-01
3644	488363.09	3850877.25	1.48E-01	2.19E-05	9.43E-04	1.03E-03	1.50E-01	1.54E-01	2.24E-01	8.60E-02	3.54E-02	4.99E-01	1.54E-01	2.56E-05	9.43E-04	1.03E-03	1.56E-01
3645	488863.09	3850877.25	1.35E-01	1.87E-05	9.34E-04	1.14E-03	1.37E-01	1.41E-01	1.91E-01	8.52E-02	3.89E-02	4.56E-01	1.41E-01	2.19E-05	9.34E-04	1.14E-03	1.43E-01
3646	489363.09	3850877.25	1.25E-01	2.04E-05	1.03E-03	1.34E-03	1.28E-01	1.31E-01	2.08E-01	9.40E-02	4.58E-02	4.79E-01	1.30E-01	2.39E-05	1.03E-03	1.34E-03	1.33E-01
3647	489863.09	3850877.25	1.14E-01	1.81E-05	1.14E-03	1.42E-03	1.17E-01	1.19E-01	1.85E-01	1.04E-01	4.84E-02	4.56E-01	1.19E-01	2.11E-05	1.14E-03	1.42E-03	1.21E-01
3648	490363.09	3850877.25	1.07E-01	1.70E-05	1.11E-03	1.35E-03	1.10E-01	1.12E-01	1.73E-01	1.01E-01	4.61E-02	4.32E-01	1.12E-01	1.98E-05	1.11E-03	1.35E-03	1.14E-01
3649	490863.09	3850877.25	9.86E-02	1.71E-05	1.08E-03	1.16E-03	1.01E-01	1.03E-01	1.75E-01	9.82E-02	3.98E-02	4.16E-01	1.03E-01	2.00E-05	1.08E-03	1.16E-03	1.05E-01
3650	491363.09	3850877.25	8.78E-02	1.39E-05	1.04E-03	1.12E-03	9.00E-02	9.16E-02	1.42E-01	9.46E-02	3.84E-02	3.67E-01	9.15E-02	1.63E-05	1.04E-03	1.12E-03	9.36E-02
3651	491863.09	3850877.25	8.11E-02	1.40E-05	1.20E-03	1.24E-03	8.36E-02	8.47E-02	1.43E-01	1.09E-01	4.24E-02	3.79E-01	8.45E-02	1.63E-05	1.20E-03	1.24E-03	8.69E-02
3652	492363.09	3850877.25	7.01E-02	1.35E-05	1.25E-03	1.28E-03	7.27E-02	7.32E-02	1.38E-01	1.14E-01	4.39E-02	3.69E-01	7.30E-02	1.58E-05	1.25E-03	1.28E-03	7.56E-02
3653	492863.09	3850877.25	6.62E-02	1.35E-05	1.31E-03	1.22E-03	6.88E-02	6.91E-02	1.38E-01	1.19E-01	4.19E-02	3.68E-01	6.90E-02	1.58E-05	1.31E-03	1.22E-03	7.15E-02
3654	493363.09	3850877.25	6.15E-02	1.29E-05	1.12E-03	1.21E-03	6.39E-02	6.42E-02	1.32E-01	1.02E-01	4.14E-02	3.39E-01	6.41E-02	1.51E-05	1.12E-03	1.21E-03	6.64E-02
3655	493863.09	3850877.25	6.65E-02	1.35E-05	1.65E-03	1.20E-03	6.94E-02	6.94E-02	1.38E-01	1.51E-01	4.09E-02	3.99E-01	6.93E-02	1.58E-05	1.65E-03	1.20E-03	7.21E-02
3656	494363.09	3850877.25	7.00E-02	1.33E-05	2.07E-03	1.19E-03	7.33E-02	7.31E-02	1.36E-01	1.89E-01	4.08E-02	4.38E-01	7.29E-02	1.55E-05	2.07E-03	1.19E-03	7.62E-02

3657	494863.09	3850877.25	7.44E-02	1.38E-05	2.74E-03	1.23E-03	7.84E-02	7.76E-02	1.41E-01	2.49E-01	4.20E-02	5.10E-01	7.75E-02	1.61E-05	2.74E-03	1.23E-03	8.15E-02
3658	495363.09	3850877.25	8.36E-02	1.56E-05	2.75E-03	1.21E-03	8.76E-02	8.73E-02	1.60E-01	2.51E-01	4.14E-02	5.39E-01	8.71E-02	1.83E-05	2.75E-03	1.21E-03	9.11E-02
3659	495863.09	3850877.25	7.99E-02	1.47E-05	3.14E-03	1.29E-03	8.44E-02	8.34E-02	1.50E-01	2.86E-01	4.40E-02	5.64E-01	8.32E-02	1.72E-05	3.14E-03	1.29E-03	8.77E-02
3660	496363.09	3850877.25	8.22E-02	1.45E-05	3.05E-03	1.34E-03	8.66E-02	8.58E-02	1.48E-01	2.78E-01	4.57E-02	5.58E-01	8.56E-02	1.70E-05	3.05E-03	1.34E-03	9.00E-02
3661	496863.09	3850877.25	9.12E-02	1.57E-05	2.77E-03	1.43E-03	9.54E-02	9.52E-02	1.60E-01	2.53E-01	4.90E-02	5.57E-01	9.50E-02	1.83E-05	2.77E-03	1.43E-03	9.92E-02
3662	497363.09	3850877.25	9.30E-02	1.50E-05	2.83E-03	1.49E-03	9.74E-02	9.71E-02	1.53E-01	2.58E-01	5.08E-02	5.59E-01	9.69E-02	1.75E-05	2.83E-03	1.49E-03	1.01E-01
3663	497863.09	3850877.25	8.86E-02	1.47E-05	2.92E-03	1.53E-03	9.31E-02	9.25E-02	1.50E-01	2.67E-01	5.25E-02	5.62E-01	9.23E-02	1.72E-05	2.92E-03	1.53E-03	9.68E-02
3664	498363.09	3850877.25	8.46E-02	1.50E-05	2.89E-03	1.50E-03	8.90E-02	8.83E-02	1.53E-01	2.63E-01	5.13E-02	5.56E-01	8.81E-02	1.75E-05	2.89E-03	1.50E-03	9.25E-02
3665	471363.09	3851377.25	3.51E-01	5.01E-05	5.62E-04	7.54E-04	3.52E-01	3.66E-01	5.12E-01	5.12E-02	2.58E-02	9.55E-01	3.65E-01	5.86E-05	5.62E-04	7.54E-04	3.67E-01
3666	471863.09	3851377.25	4.34E-01	7.07E-05	5.67E-04	7.63E-04	4.35E-01	4.53E-01	7.22E-01	5.17E-02	2.61E-02	1.25E+00	4.52E-01	8.27E-05	5.67E-04	7.63E-04	4.53E-01
3667	472363.09	3851377.25	4.55E-01	7.63E-05	5.75E-04	8.11E-04	4.56E-01	4.74E-01	7.79E-01	5.25E-02	2.77E-02	1.33E+00	4.73E-01	8.93E-05	5.75E-04	8.11E-04	4.75E-01
3668	472863.09	3851377.25	4.73E-01	8.41E-05	5.65E-04	9.07E-04	4.74E-01	4.93E-01	8.59E-01	5.15E-02	3.10E-02	1.43E+00	4.92E-01	9.84E-05	5.65E-04	9.07E-04	4.94E-01
3669	473363.09	3851377.25	4.17E-01	7.51E-05	5.84E-04	8.85E-04	4.19E-01	4.35E-01	7.67E-01	5.32E-02	3.03E-02	1.29E+00	4.35E-01	8.79E-05	5.84E-04	8.85E-04	4.36E-01
3670	473863.09	3851377.25	4.19E-01	8.47E-05	5.94E-04	8.69E-04	4.20E-01	4.37E-01	8.66E-01	5.41E-02	2.97E-02	1.39E+00	4.36E-01	9.91E-05	5.94E-04	8.69E-04	4.37E-01
3671	474363.09	3851377.25	4.26E-01	1.27E-04	6.18E-04	8.32E-04	4.27E-01	4.44E-01	1.30E+00	5.64E-02	2.85E-02	1.83E+00	4.43E-01	1.49E-04	6.18E-04	8.32E-04	4.45E-01
3672	474863.09	3851377.25	4.48E-01	1.61E-04	6.33E-04	8.65E-04	4.49E-01	4.67E-01	1.65E+00	5.78E-02	2.96E-02	2.20E+00	4.66E-01	1.89E-04	6.33E-04	8.65E-04	4.68E-01
3673	475363.09	3851377.25	5.17E-01	1.64E-04	6.11E-04	9.42E-04	5.19E-01	5.39E-01	1.67E+00	5.57E-02	3.22E-02	2.30E+00	5.38E-01	1.91E-04	6.11E-04	9.42E-04	5.40E-01
3674	475863.09	3851377.25	5.73E-01	1.76E-04	5.94E-04	9.30E-04	5.74E-01	5.97E-01	1.79E+00	5.41E-02	3.18E-02	2.48E+00	5.96E-01	2.05E-04	5.94E-04	9.30E-04	5.98E-01
3675	476363.09	3851377.25	7.10E-01	1.74E-04	5.86E-04	9.37E-04	7.11E-01	7.40E-01	1.77E+00	5.34E-02	3.21E-02	2.60E+00	7.39E-01	2.03E-04	5.86E-04	9.37E-04	7.41E-01
3676	476863.09	3851377.25	7.47E-01	1.83E-04	5.20E-04	8.72E-04	7.49E-01	7.79E-01	1.87E+00	4.75E-02	2.98E-02	2.73E+00	7.78E-01	2.14E-04	5.20E-04	8.72E-04	7.80E-01
3677	477363.09	3851377.25	8.47E-01	2.16E-04	5.38E-04	7.74E-04	8.49E-01	8.84E-01	2.21E+00	4.90E-02	2.65E-02	3.17E+00	8.82E-01	2.53E-04	5.38E-04	7.74E-04	8.84E-01
3678	477863.09	3851377.25	8.90E-01	1.97E-04	5.48E-04	7.24E-04	8.92E-01	9.29E-01	2.01E+00	5.00E-02	2.47E-02	3.01E+00	9.27E-01	2.30E-04	5.48E-04	7.24E-04	9.29E-01
3679	478363.09	3851377.25	9.02E-01	2.04E-04	5.45E-04	7.89E-04	9.04E-01	9.41E-01	2.08E+00	4.97E-02	2.70E-02	3.10E+00	9.40E-01	2.38E-04	5.45E-04	7.89E-04	9.41E-01
3680	478863.09	3851377.25	7.91E-01	3.08E-04	5.38E-04	7.19E-04	7.92E-01	8.25E-01	3.14E+00	4.91E-02	2.46E-02	4.04E+00	8.23E-01	3.60E-04	5.38E-04	7.19E-04	8.25E-01
3681	479363.09	3851377.25	8.86E-01	3.12E-04	5.55E-04	6.38E-04	8.87E-01	9.24E-01	3.19E+00	5.06E-02	2.18E-02	4.18E+00	9.22E-01	3.65E-04	5.55E-04	6.38E-04	9.24E-01
3682	479863.09	3851377.25	8.74E-01	2.83E-04	5.86E-04	6.78E-04	8.75E-01	9.12E-01	2.89E+00	5.35E-02	2.32E-02	3.88E+00	9.10E-01	3.31E-04	5.86E-04	6.78E-04	9.11E-01
3683	480363.09	3851377.25	9.06E-01	2.72E-04	5.89E-04	8.20E-04	9.08E-01	9.45E-01	2.78E+00	5.37E-02	2.80E-02	3.81E+00	9.43E-01	3.19E-04	5.89E-04	8.20E-04	9.45E-01
3684	480863.09	3851377.25	1.48E+00	2.44E-04	5.96E-04	8.63E-04	1.48E+00	1.54E+00	2.49E+00	5.43E-02	2.95E-02	4.12E+00	1.54E+00	2.85E-04	5.96E-04	8.63E-04	1.54E+00
3685	481363.09	3851377.25	1.49E+00	1.85E-04	6.17E-04	9.03E-04	1.49E+00	1.56E+00	1.89E+00	5.63E-02	3.09E-02	3.53E+00	1.55E+00	2.16E-04	6.17E-04	9.03E-04	1.55E+00
3686	481863.09	3851377.25	1.17E+00	1.41E-04	6.98E-04	1.08E-03	1.17E+00	1.22E+00	1.44E+00	6.37E-02	3.69E-02	2.76E+00	1.22E+00	1.65E-04	6.98E-04	1.08E-03	1.22E+00
3687	482363.09	3851377.25	9.48E-01	9.84E-05	7.78E-04	1.19E-03	9.51E-01	9.90E-01	1.01E+00	7.09E-02	4.08E-02	2.11E+00	9.88E-01	1.15E-04	7.78E-04	1.19E-03	9.90E-01
3688	482863.09	3851377.25	9.18E-01	6.50E-05	8.36E-04	1.30E-03	9.20E-01	9.58E-01	6.64E-01	7.62E-02	4.45E-02	1.74E+00	9.56E-01	7.60E-05	8.36E-04	1.30E-03	9.58E-01
3689	483363.09	3851377.25	6.06E-01	4.36E-05	8.63E-04	1.13E-03	6.08E-01	6.32E-01	4.46E-01	7.87E-02	3.86E-02	1.20E+00	6.31E-01	5.11E-05	8.63E-04	1.13E-03	6.33E-01
3690	483863.09	3851377.25	4.30E-01	3.63E-05	8.61E-04	1.06E-03	4.32E-01	4.49E-01	3.70E-01	7.85E-02	3.64E-02	9.34E-01	4.48E-01	4.24E-05	8.61E-04	1.06E-03	4.50E-01
3691	484363.09	3851377.25	5.67E-01	4.46E-05	9.06E-04	1.09E-03	5.69E-01	5.92E-01	4.56E-01	8.26E-02	3.71E-02	1.17E+00	5.91E-01	5.22E-05	9.06E-04	1.09E-03	5.93E-01
3692	484863.09	3851377.25	3.09E-01	3.02E-05	8.56E-04	1.06E-03	3.11E-01	3.22E-01	3.09E-01	7.81E-02	3.62E-02	7.45E-01	3.21E-01	3.53E-05	8.56E-04	1.06E-03	3.23E-01
3693	485363.09	3851377.25	4.51E-01	3.77E-05	8.77E-04	1.14E-03	4.53E-01	4.70E-01	3.86E-01	7.99E-02	3.90E-02	9.75E-01	4.70E-01	4.42E-05	8.77E-04	1.14E-03	4.72E-01
3694	485863.09	3851377.25	2.96E-01	3.11E-05	9.39E-04	1.28E-03	2.99E-01	3.09E-01	3.18E-01	8.56E-02	4.36E-02	7.57E-01	3.09E-01	3.64E-05	9.39E-04	1.28E-03	3.11E-01
3695	486363.09	3851377.25	3.06E-01	2.95E-05	1.04E-03	1.40E-03	3.09E-01	3.19E-01	3.01E-01	9.50E-02	4.79E-02	7.64E-01	3.19E-01	3.45E-05	1.04E-03	1.40E-03	3.21E-01
3696	486863.09	3851377.25	2.44E-01	2.86E-05	9.14E-04	1.35E-03	2.46E-01	2.54E-01	2.92E-01	8.33E-02	4.63E-02	6.76E-01	2.54E-01	3.35E-05	9.14E-04	1.35E-03	2.56E-01
3697	487363.09	3851377.25	1.73E-01	2.26E-05	9.10E-04	1.25E-03	1.75E-01	1.81E-01	2.31E-01	8.30E-02	4.28E-02	5.37E-01	1.80E-01	2.64E-05	9.10E-04	1.25E-03	1.82E-01
3698	487863.09	3851377.25	1.82E-01	2.24E-05	8.94E-04	1.18E-03	1.84E-01	1.90E-01	2.28E-01	8.15E-02	4.02E-02	5.40E-01	1.90E-01	2.62E-05	8.94E-04	1.18E-03	1.92E-01
3699	488363.09	3851377.25	1.73E-01	2.45E-05	1.07E-03	1.20E-03	1.75E-01	1.81E-01	2.50E-01	9.71E-02	4.10E-02	5.69E-01	1.80E-01	2.86E-05	1.07E-03	1.20E-03	1.82E-01
3700	488863.09	3851377.25	1.56E-01	2.13E-05	1.02E-03	1.40E-03	1.58E-01	1.63E-01	2.17E-01	9.28E-02	4.78E-02	5.20E-01	1.62E-01	2.49E-05	1.02E-03	1.40E-03	1.65E-01
3701	489363.09	3851377.25	1.41E-01	2.14E-05	1.18E-03	1.44E-03	1.44E-01	1.47E-01	2.18E-01	1.08E-01	4.93E-02	5.23E-01	1.47E-01	2.50E-05	1.18E-03	1.44E-03	1.50E-01
3702	489863.09	3851377.25	1.29E-01	1.91E-05	1.26E-03	1.47E-03	1.32E-01	1.35E-01	1.95E-01	1.14E-01	5.02E-02	4.95E-01	1.35E-01	2.24E-05	1.26E-03	1.47E-03	1.37E-01
3703	490363.09	3851377.25	1.19E-01	1.91E-05	1.15E-03	1.40E-03	1.22E-01	1.24E-01	1.95E-01	1.05E-01	4.79E-02	4.72E-01	1.24E-01	2.23E-05	1.15E-03	1.40E-03	1.27E-01
3704	490863.09	3851377.25	1.08E-01	1.89E-05	1.21E-03	1.30E-03	1.11E-01	1.13E-01	1.93E-01	1.11E-01	4.46E-02	4.61E-01	1.13E-01	2.21E-05	1.21E-03	1.30E-03	1.15E-01
3705	491363.09	3851377.25	9.74E-02	1.55E-05	1.35E-03	1.40E-03	1.00E-01	1.02E-01	1.58E-01	1.23E-01	4.78E-02	4.30E-01	1.01E-01	1.81E-05	1.35E-03	1.40E-03	1.04E-01
3706	491863.09	3851377.25	8.73E-02	1.51E-05	1.31E-03	1.49E-03	9.01E-02	9.11E-02	1.54E-01	1.19E-01	5.09E-02	4.15E-01	9.09E-02	1.76E-05	1.31E-03	1.49E-03	9.37E-02
3707	492363.09	3851377.25	8.23E-02	1.49E-05	1.49E-03	1.40E-03	8.52E-02	8.58E-02	1.52E-01	1.36E-01	4.79E-02	4.22E-01	8.57E-02	1.74E-05	1.49E-03	1.40E-03	8.86E-02
3708	492863.09	3851377.25	7.55E-02	1.44E-05	1.14E-03	1.28E-03	7.79E-02	7.87E-02	1.47E-01	1.04E-01	4.38E-02	3.74E-01	7.86E-02	1.68E-05	1.14E-03	1.28E-03	8.10E-02
3709	493363.09	3851377.25	6.73E-02	1.37E-05	1.63E-03	1.23E-03	7.02E-02	7.02E-02	1.40E-01	1.49E-01	4.19E-02	4.01E-01	7.01E-02	1.60E-05	1.63E-03	1.23E-03	7.30E-02
3710	493863.09	3851377.25	7.06E-02	1.32E-05	2.24E-03	1.28E-03	7.42E-02	7.37E-02	1.34E-01	2.04E-01	4.39E-02	4.56E-01	7.35E-02	1.54E-05	2.24E-03	1.28E-03	7.71E-02
3711	494363.09	3851377.25	8.44E-02	1.49E-05	2.95E-03	1.33E-03	8.87E-02	8.80E-02	1.52E-01	2.69E-01	4.56E-02	5.54E-01	8.79E-02	1.74E-05	2.95E-03	1.33E-03	9.22E-02
3712	494863.09	3851377.25	8.47E-02	1.60E-05	3.01E-03	1.30E-03	8.90E-02	8.84E-02	1.63E-01	2.75E-01	4.43E-02	5.71E-01	8.82E-02	1.87E-05	3.01E-03	1.30E-03	9.25E-02
3713	495363.09	3851377.25	9.95E-02	1.69E-05	3.47E-03	1.44E-03	1.04E-01	1.04E-01	1.72E-01	3.17E-01	4.93E-02	6.42E-01	1.04E-01	1.97E-05	3.47E-03	1.44E-03	1.09E-01
3714	495863.09	3851377.25	1.03E-01	1.63E-05	3.50E-03	1.58E-03	1.08E-01	1.08E-01	1.67E-01	3.19E-01	5.40E-02	6.48E-01	1.08E-01	1.91E-05	3.50E-03	1.58E-03	1.13E-01
3715	496363.09	3851377.25	1.06E-01	1.72E-05	2.98E-03	1.76E-03	1.11E-01	1.11E-01	1.75E-01	2.72E-01	6.02E-02	6.18E-01	1.11E-01	2.01E-05	2.98E-03	1.76E-03	1.15E-01
3716	496863.09	3851377.25	1.04E-01	1.67E-05	3.11E-03	1.78E-03	1.09E-01	1.08E-01	1.71E-01	2.84E-01	6.09E-02	6.23E-01	1.08E-01	1.95E-05	3.11E-03	1.78E-03	1.13E-01
3717	497363.09	3851377.25	1.00E-01	1.60E-05	3.30E-03	1.79E-03	1.05E-01	1.05E-01	1.63E-01	3.01E-01	6.11E-02	6.30E-01	1.05E-01	1.87E-05	3.30E-03	1.79E-03	1.10E-01

3718	497863.09	3851377.25	9.64E-02	1.63E-05	3.07E-03	1.68E-03	1.01E-01	1.01E-01	1.67E-01	2.80E-01	5.76E-02	6.05E-01	1.00E-01	1.91E-05	3.07E-03	1.68E-03	1.05E-01
3719	498363.09	3851377.25	8.87E-02	1.65E-05	3.31E-03	1.59E-03	9.36E-02	9.25E-02	1.68E-01	3.02E-01	5.44E-02	6.17E-01	9.24E-02	1.93E-05	3.31E-03	1.59E-03	9.73E-02
3720	471363.09	3851877.25	3.57E-01	5.29E-05	6.50E-04	8.43E-04	3.58E-01	3.72E-01	5.41E-01	5.93E-02	2.88E-02	1.00E+00	3.72E-01	6.19E-05	6.50E-04	8.43E-04	3.73E-01
3721	471863.09	3851877.25	3.67E-01	5.01E-05	6.15E-04	8.66E-04	3.68E-01	3.83E-01	5.12E-01	5.61E-02	2.96E-02	9.80E-01	3.82E-01	5.86E-05	6.15E-04	8.66E-04	3.84E-01
3722	472363.09	3851877.25	4.20E-01	5.80E-05	6.24E-04	8.43E-04	4.22E-01	4.39E-01	5.93E-01	5.69E-02	2.88E-02	1.12E+00	4.38E-01	6.79E-05	6.24E-04	8.43E-04	4.39E-01
3723	472863.09	3851877.25	4.71E-01	7.23E-05	6.12E-04	8.24E-04	4.73E-01	4.92E-01	7.39E-01	5.58E-02	2.82E-02	1.31E+00	4.91E-01	8.46E-05	6.12E-04	8.24E-04	4.92E-01
3724	473363.09	3851877.25	4.55E-01	6.86E-05	6.27E-04	8.76E-04	4.56E-01	4.74E-01	7.01E-01	5.71E-02	3.00E-02	1.26E+00	4.73E-01	8.02E-05	6.27E-04	8.76E-04	4.75E-01
3725	473863.09	3851877.25	4.70E-01	7.19E-05	6.22E-04	9.56E-04	4.72E-01	4.90E-01	7.34E-01	5.67E-02	3.27E-02	1.31E+00	4.89E-01	8.41E-05	6.22E-04	9.56E-04	4.91E-01
3726	474363.09	3851877.25	5.37E-01	9.39E-05	6.27E-04	9.65E-04	5.39E-01	5.61E-01	9.60E-01	5.72E-02	3.30E-02	1.61E+00	5.60E-01	1.10E-04	6.27E-04	9.65E-04	5.61E-01
3727	474863.09	3851877.25	5.66E-01	1.18E-04	6.43E-04	1.03E-03	5.68E-01	5.91E-01	1.21E+00	5.86E-02	3.52E-02	1.89E+00	5.90E-01	1.38E-04	6.43E-04	1.03E-03	5.92E-01
3728	475363.09	3851877.25	5.48E-01	1.55E-04	6.68E-04	9.47E-04	5.50E-01	5.72E-01	1.59E+00	6.09E-02	3.24E-02	2.25E+00	5.71E-01	1.82E-04	6.68E-04	9.47E-04	5.73E-01
3729	475863.09	3851877.25	5.59E-01	1.67E-04	6.82E-04	9.61E-04	5.61E-01	5.84E-01	1.71E+00	6.22E-02	3.29E-02	2.39E+00	5.82E-01	1.96E-04	6.82E-04	9.61E-04	5.84E-01
3730	476363.09	3851877.25	5.94E-01	1.53E-04	6.56E-04	1.02E-03	5.96E-01	6.20E-01	1.56E+00	5.98E-02	3.50E-02	2.28E+00	6.19E-01	1.79E-04	6.56E-04	1.02E-03	6.20E-01
3731	476863.09	3851877.25	6.76E-01	1.70E-04	6.31E-04	1.04E-03	6.78E-01	7.06E-01	1.73E+00	5.76E-02	3.55E-02	2.53E+00	7.04E-01	1.98E-04	6.31E-04	1.04E-03	7.06E-01
3732	477363.09	3851877.25	8.48E-01	1.86E-04	6.29E-04	9.78E-04	8.50E-01	8.85E-01	1.90E+00	5.73E-02	3.34E-02	2.87E+00	8.83E-01	2.17E-04	6.29E-04	9.78E-04	8.85E-01
3733	477863.09	3851877.25	8.85E-01	2.05E-04	5.73E-04	8.92E-04	8.86E-01	9.23E-01	2.09E+00	5.23E-02	3.05E-02	3.10E+00	9.21E-01	2.40E-04	5.73E-04	8.92E-04	9.23E-01
3734	478363.09	3851877.25	1.15E+00	1.83E-04	5.73E-04	8.02E-04	1.15E+00	1.20E+00	1.87E+00	5.23E-02	2.74E-02	3.14E+00	1.19E+00	2.14E-04	5.73E-04	8.02E-04	1.19E+00
3735	478863.09	3851877.25	1.00E+00	2.10E-04	5.80E-04	8.85E-04	1.00E+00	1.04E+00	2.15E+00	5.29E-02	3.03E-02	3.27E+00	1.04E+00	2.46E-04	5.80E-04	8.85E-04	1.04E+00
3736	479363.09	3851877.25	1.00E+00	3.29E-04	5.72E-04	7.82E-04	1.00E+00	1.04E+00	3.36E+00	5.21E-02	2.67E-02	4.48E+00	1.04E+00	3.84E-04	5.72E-04	7.82E-04	1.04E+00
3737	479863.09	3851877.25	1.04E+00	3.51E-04	5.89E-04	7.14E-04	1.04E+00	1.08E+00	3.59E+00	5.37E-02	2.44E-02	4.75E+00	1.08E+00	4.11E-04	5.89E-04	7.14E-04	1.08E+00
3738	480363.09	3851877.25	1.07E+00	3.14E-04	6.21E-04	7.48E-04	1.07E+00	1.11E+00	3.20E+00	5.66E-02	2.56E-02	4.40E+00	1.11E+00	3.67E-04	6.21E-04	7.48E-04	1.11E+00
3739	480863.09	3851877.25	1.08E+00	2.95E-04	6.29E-04	9.32E-04	1.09E+00	1.13E+00	3.01E+00	5.74E-02	3.19E-02	4.23E+00	1.13E+00	3.45E-04	6.29E-04	9.32E-04	1.13E+00
3740	481363.09	3851877.25	1.73E+00	2.63E-04	6.35E-04	9.65E-04	1.73E+00	1.81E+00	2.68E+00	5.79E-02	3.30E-02	4.58E+00	1.80E+00	3.07E-04	6.35E-04	9.65E-04	1.81E+00
3741	481863.09	3851877.25	1.80E+00	2.00E-04	6.61E-04	1.08E-03	1.80E+00	1.88E+00	2.04E+00	6.03E-02	3.69E-02	4.02E+00	1.87E+00	2.34E-04	6.61E-04	1.08E-03	1.87E+00
3742	482363.09	3851877.25	1.39E+00	1.06E-04	7.46E-04	1.26E-03	1.39E+00	1.45E+00	1.09E+00	6.80E-02	4.29E-02	2.65E+00	1.45E+00	1.24E-04	7.46E-04	1.26E-03	1.45E+00
3743	482863.09	3851877.25	9.81E-01	6.12E-05	8.28E-04	1.39E-03	9.83E-01	1.02E+00	6.25E-01	7.55E-02	4.77E-02	1.77E+00	1.02E+00	7.16E-05	8.28E-04	1.39E-03	1.02E+00
3744	483363.09	3851877.25	1.02E+00	6.74E-05	8.93E-04	1.26E-03	1.02E+00	1.06E+00	6.88E-01	8.15E-02	4.31E-02	1.87E+00	1.06E+00	7.88E-05	8.93E-04	1.26E-03	1.06E+00
3745	483863.09	3851877.25	8.03E-01	5.35E-05	9.21E-04	1.17E-03	8.05E-01	8.38E-01	5.47E-01	8.40E-02	3.99E-02	1.51E+00	8.36E-01	6.26E-05	9.21E-04	1.17E-03	8.38E-01
3746	484363.09	3851877.25	7.86E-01	5.65E-05	9.50E-04	1.22E-03	7.88E-01	8.20E-01	5.77E-01	8.66E-02	4.16E-02	1.53E+00	8.18E-01	6.61E-05	9.50E-04	1.22E-03	8.21E-01
3747	484863.09	3851877.25	6.30E-01	4.49E-05	9.81E-04	1.15E-03	6.32E-01	6.58E-01	4.59E-01	8.95E-02	3.92E-02	1.24E+00	6.56E-01	5.25E-05	9.81E-04	1.15E-03	6.58E-01
3748	485363.09	3851877.25	5.62E-01	4.34E-05	9.24E-04	1.22E-03	5.64E-01	5.86E-01	4.43E-01	8.43E-02	4.17E-02	1.16E+00	5.85E-01	5.08E-05	9.24E-04	1.22E-03	5.87E-01
3749	485863.09	3851877.25	5.04E-01	4.19E-05	9.55E-04	1.42E-03	5.07E-01	5.26E-01	4.28E-01	8.71E-02	4.86E-02	1.09E+00	5.25E-01	4.91E-05	9.55E-04	1.42E-03	5.28E-01
3750	486363.09	3851877.25	3.39E-01	3.12E-05	1.13E-03	1.56E-03	3.41E-01	3.53E-01	3.19E-01	1.03E-01	5.33E-02	8.28E-01	3.53E-01	3.65E-05	1.13E-03	1.56E-03	3.55E-01
3751	486863.09	3851877.25	2.82E-01	3.09E-05	1.14E-03	1.47E-03	2.85E-01	2.95E-01	3.16E-01	1.04E-01	5.02E-02	7.65E-01	2.94E-01	3.62E-05	1.14E-03	1.47E-03	2.97E-01
3752	487363.09	3851877.25	2.41E-01	2.85E-05	9.89E-04	1.31E-03	2.44E-01	2.52E-01	2.91E-01	9.02E-02	4.50E-02	6.78E-01	2.51E-01	3.33E-05	9.89E-04	1.31E-03	2.54E-01
3753	487863.09	3851877.25	1.80E-01	2.26E-05	9.97E-04	1.41E-03	1.82E-01	1.88E-01	2.31E-01	9.09E-02	4.81E-02	5.58E-01	1.87E-01	2.65E-05	9.97E-04	1.41E-03	1.90E-01
3754	488363.09	3851877.25	1.67E-01	2.44E-05	1.20E-03	1.51E-03	1.70E-01	1.75E-01	2.50E-01	1.09E-01	5.18E-02	5.86E-01	1.74E-01	2.86E-05	1.20E-03	1.51E-03	1.77E-01
3755	488863.09	3851877.25	1.40E-01	2.07E-05	1.16E-03	1.41E-03	1.43E-01	1.46E-01	2.12E-01	1.06E-01	4.83E-02	5.12E-01	1.46E-01	2.42E-05	1.16E-03	1.41E-03	1.48E-01
3756	489363.09	3851877.25	1.25E-01	2.03E-05	1.41E-03	1.53E-03	1.28E-01	1.30E-01	2.07E-01	1.29E-01	5.22E-02	5.18E-01	1.30E-01	2.37E-05	1.41E-03	1.53E-03	1.33E-01
3757	489863.09	3851877.25	1.15E-01	1.85E-05	1.49E-03	1.41E-03	1.17E-01	1.19E-01	1.89E-01	1.36E-01	4.82E-02	4.93E-01	1.19E-01	2.16E-05	1.49E-03	1.41E-03	1.22E-01
3758	490363.09	3851877.25	1.10E-01	1.91E-05	1.28E-03	1.42E-03	1.13E-01	1.15E-01	1.95E-01	1.17E-01	4.87E-02	4.76E-01	1.14E-01	2.24E-05	1.28E-03	1.42E-03	1.17E-01
3759	490863.09	3851877.25	1.07E-01	1.76E-05	1.25E-03	1.57E-03	1.10E-01	1.12E-01	1.80E-01	1.14E-01	5.37E-02	4.60E-01	1.12E-01	2.06E-05	1.25E-03	1.57E-03	1.15E-01
3760	491363.09	3851877.25	1.06E-01	1.67E-05	1.39E-03	1.52E-03	1.09E-01	1.10E-01	1.71E-01	1.27E-01	5.21E-02	4.60E-01	1.10E-01	1.96E-05	1.39E-03	1.52E-03	1.13E-01
3761	491863.09	3851877.25	1.04E-01	1.73E-05	1.46E-03	1.47E-03	1.07E-01	1.09E-01	1.76E-01	1.33E-01	5.02E-02	4.68E-01	1.09E-01	2.02E-05	1.46E-03	1.47E-03	1.11E-01
3762	492363.09	3851877.25	9.57E-02	1.65E-05	1.30E-03	1.42E-03	9.85E-02	9.99E-02	1.68E-01	1.19E-01	4.87E-02	4.36E-01	9.97E-02	1.93E-05	1.30E-03	1.42E-03	1.02E-01
3763	492863.09	3851877.25	7.81E-02	1.46E-05	1.62E-03	1.29E-03	8.10E-02	8.15E-02	1.49E-01	1.48E-01	4.41E-02	4.23E-01	8.13E-02	1.71E-05	1.62E-03	1.29E-03	8.42E-02
3764	493363.09	3851877.25	9.63E-02	1.69E-05	2.44E-03	1.40E-03	1.00E-01	1.00E-01	1.72E-01	2.22E-01	4.77E-02	5.43E-01	1.00E-01	1.97E-05	2.44E-03	1.40E-03	1.04E-01
3765	493863.09	3851877.25	1.15E-01	1.74E-05	3.21E-03	1.46E-03	1.19E-01	1.20E-01	1.78E-01	2.93E-01	4.98E-02	6.39E-01	1.19E-01	2.03E-05	3.21E-03	1.46E-03	1.24E-01
3766	494363.09	3851877.25	1.04E-01	1.87E-05	3.35E-03	1.56E-03	1.09E-01	1.09E-01	1.91E-01	3.06E-01	5.32E-02	6.59E-01	1.09E-01	2.19E-05	3.35E-03	1.56E-03	1.14E-01
3767	494863.09	3851877.25	1.17E-01	1.94E-05	3.74E-03	1.72E-03	1.23E-01	1.22E-01	1.98E-01	3.41E-01	5.90E-02	7.21E-01	1.22E-01	2.27E-05	3.74E-03	1.72E-03	1.28E-01
3768	495363.09	3851877.25	1.29E-01	1.93E-05	3.99E-03	1.85E-03	1.35E-01	1.34E-01	1.97E-01	3.63E-01	6.33E-02	7.58E-01	1.34E-01	2.26E-05	3.99E-03	1.85E-03	1.40E-01
3769	495863.09	3851877.25	1.32E-01	1.96E-05	3.35E-03	2.00E-03	1.38E-01	1.38E-01	2.00E-01	3.06E-01	6.84E-02	7.12E-01	1.38E-01	2.29E-05	3.35E-03	2.00E-03	1.43E-01
3770	496363.09	3851877.25	1.26E-01	1.86E-05	3.33E-03	1.93E-03	1.31E-01	1.32E-01	1.90E-01	3.04E-01	6.59E-02	6.92E-01	1.31E-01	2.18E-05	3.33E-03	1.93E-03	1.37E-01
3771	496863.09	3851877.25	1.19E-01	1.79E-05	3.40E-03	1.92E-03	1.24E-01	1.24E-01	1.82E-01	3.10E-01	6.58E-02	6.82E-01	1.24E-01	2.09E-05	3.40E-03	1.92E-03	1.29E-01
3772	497363.09	3851877.25	1.11E-01	1.78E-05	3.46E-03	1.87E-03	1.17E-01	1.16E-01	1.81E-01	3.16E-01	6.40E-02	6.77E-01	1.16E-01	2.08E-05	3.46E-03	1.87E-03	1.21E-01
3773	497863.09	3851877.25	9.93E-02	1.75E-05	3.61E-03	1.65E-03	1.05E-01	1.04E-01	1.79E-01	3.30E-01	5.64E-02	6.68E-01	1.03E-01	2.04E-05	3.61E-03	1.65E-03	1.09E-01
3774	498363.09	3851877.25	8.92E-02	1.71E-05	3.90E-03	1.66E-03	9.47E-02	9.30E-02	1.75E-01	3.56E-01	5.67E-02	6.80E-01	9.28E-02	2.00E-05	3.90E-03	1.66E-03	9.84E-02
3775	471363.09	3852377.25	3.28E-01	4.28E-05	7.49E-04	9.00E-04	3.30E-01	3.43E-01	4.37E-01	6.83E-02	3.08E-02	8.79E-01	3.42E-01	5.01E-05	7.49E-04	9.00E-04	3.44E-01
3776	471863.09	3852377.25	3.71E-01	5.09E-05	7.33E-04	9.09E-04	3.72E-01	3.87E-01	5.20E-01	6.69E-02	3.11E-02	1.00E+00	3.86E-01	5.96E-05	7.33E-04	9.09E-04	3.88E-01
3777	472363.09	3852377.25	3.99E-01	5.70E-05	7.95E-04	9.53E-04	4.01E-01	4.17E-01	5.82E-01	7.25E-02	3.26E-02	1.10E+00	4.16E-01	6.66E-05	7.95E-04	9.53E-04	4.18E-01
3778	472863.09	3852377.25	4.39E-01	5.85E-05	7.33E-04	9.16E-04	4.41E-01	4.58E-01	5.98E-01	6.68E-02	3.13E-02	1.15E+00	4.57E-01	6.84E-05	7.33E-04	9.16E-04	4.59E-01

3779	473363.09	3852377.25	4.54E-01	5.98E-05	6.91E-04	9.34E-04	4.55E-01	4.73E-01	6.11E-01	6.31E-02	3.19E-02	1.18E+00	4.72E-01	6.99E-05	6.91E-04	9.34E-04	4.74E-01
3780	473863.09	3852377.25	4.81E-01	6.83E-05	6.92E-04	9.13E-04	4.82E-01	5.01E-01	6.97E-01	6.31E-02	3.12E-02	1.29E+00	5.00E-01	7.99E-05	6.92E-04	9.13E-04	5.02E-01
3781	474363.09	3852377.25	5.09E-01	7.45E-05	6.73E-04	9.64E-04	5.11E-01	5.31E-01	7.61E-01	6.14E-02	3.30E-02	1.39E+00	5.30E-01	8.71E-05	6.73E-04	9.64E-04	5.32E-01
3782	474863.09	3852377.25	6.02E-01	1.10E-04	7.04E-04	1.02E-03	6.03E-01	6.28E-01	1.13E+00	6.42E-02	3.48E-02	1.85E+00	6.26E-01	1.29E-04	7.04E-04	1.02E-03	6.28E-01
3783	475363.09	3852377.25	6.46E-01	1.13E-04	6.89E-04	1.04E-03	6.48E-01	6.74E-01	1.16E+00	6.28E-02	3.57E-02	1.93E+00	6.73E-01	1.33E-04	6.89E-04	1.04E-03	6.74E-01
3784	475863.09	3852377.25	6.66E-01	1.23E-04	6.98E-04	1.21E-03	6.68E-01	6.95E-01	1.26E+00	6.37E-02	4.15E-02	2.06E+00	6.94E-01	1.44E-04	6.98E-04	1.21E-03	6.96E-01
3785	476363.09	3852377.25	6.43E-01	1.30E-04	7.20E-04	1.09E-03	6.45E-01	6.71E-01	1.33E+00	6.56E-02	3.73E-02	2.10E+00	6.70E-01	1.52E-04	7.20E-04	1.09E-03	6.72E-01
3786	476863.09	3852377.25	6.54E-01	1.39E-04	7.42E-04	1.11E-03	6.56E-01	6.83E-01	1.42E+00	6.77E-02	3.79E-02	2.21E+00	6.81E-01	1.63E-04	7.42E-04	1.11E-03	6.83E-01
3787	477363.09	3852377.25	6.70E-01	1.47E-04	7.13E-04	1.10E-03	6.72E-01	6.99E-01	1.51E+00	6.50E-02	3.78E-02	2.31E+00	6.98E-01	1.72E-04	7.13E-04	1.10E-03	7.00E-01
3788	477863.09	3852377.25	6.89E-01	1.23E-04	6.73E-04	1.14E-03	6.90E-01	7.18E-01	1.26E+00	6.14E-02	3.91E-02	2.07E+00	7.17E-01	1.44E-04	6.73E-04	1.14E-03	7.19E-01
3789	478363.09	3852377.25	7.38E-01	1.18E-04	6.10E-04	9.97E-04	7.39E-01	7.70E-01	1.20E+00	5.56E-02	3.41E-02	2.06E+00	7.68E-01	1.38E-04	6.10E-04	9.97E-04	7.70E-01
3790	478863.09	3852377.25	9.23E-01	1.50E-04	6.27E-04	8.96E-04	9.24E-01	9.63E-01	1.53E+00	5.72E-02	3.07E-02	2.58E+00	9.61E-01	1.75E-04	6.27E-04	8.96E-04	9.63E-01
3791	479363.09	3852377.25	1.31E+00	1.58E-04	6.30E-04	9.37E-04	1.31E+00	1.36E+00	1.62E+00	5.74E-02	3.20E-02	3.07E+00	1.36E+00	1.85E-04	6.30E-04	9.37E-04	1.36E+00
3792	479863.09	3852377.25	1.24E+00	3.07E-04	6.31E-04	8.72E-04	1.24E+00	1.30E+00	3.13E+00	5.75E-02	2.98E-02	4.52E+00	1.29E+00	3.59E-04	6.31E-04	8.72E-04	1.30E+00
3793	480363.09	3852377.25	1.15E+00	3.96E-04	6.26E-04	8.26E-04	1.15E+00	1.20E+00	4.04E+00	5.71E-02	2.83E-02	5.33E+00	1.20E+00	4.63E-04	6.26E-04	8.26E-04	1.20E+00
3794	480863.09	3852377.25	1.30E+00	3.66E-04	6.55E-04	8.83E-04	1.30E+00	1.35E+00	3.73E+00	5.98E-02	3.02E-02	5.18E+00	1.35E+00	4.28E-04	6.55E-04	8.83E-04	1.35E+00
3795	481363.09	3852377.25	1.28E+00	3.34E-04	6.76E-04	1.09E-03	1.28E+00	1.34E+00	3.41E+00	6.16E-02	3.72E-02	4.84E+00	1.33E+00	3.90E-04	6.76E-04	1.09E-03	1.34E+00
3796	481863.09	3852377.25	2.07E+00	2.68E-04	6.85E-04	1.11E-03	2.07E+00	2.16E+00	2.74E+00	6.24E-02	3.80E-02	5.00E+00	2.15E+00	3.14E-04	6.85E-04	1.11E-03	2.15E+00
3797	482363.09	3852377.25	2.16E+00	2.23E-04	7.17E-04	1.37E-03	2.16E+00	2.26E+00	2.28E+00	6.54E-02	4.68E-02	4.64E+00	2.25E+00	2.61E-04	7.17E-04	1.37E-03	2.25E+00
3798	482863.09	3852377.25	1.89E+00	1.54E-04	8.22E-04	1.53E-03	1.89E+00	1.97E+00	1.57E+00	7.50E-02	5.24E-02	3.67E+00	1.97E+00	1.80E-04	8.22E-04	1.53E-03	1.97E+00
3799	483363.09	3852377.25	1.43E+00	8.66E-05	8.94E-04	1.50E-03	1.44E+00	1.50E+00	8.85E-01	8.15E-02	5.14E-02	2.51E+00	1.49E+00	1.01E-04	8.94E-04	1.50E-03	1.50E+00
3800	483863.09	3852377.25	1.08E+00	6.43E-05	9.66E-04	1.23E-03	1.08E+00	1.12E+00	6.57E-01	8.81E-02	4.20E-02	1.91E+00	1.12E+00	7.52E-05	9.66E-04	1.23E-03	1.12E+00
3801	484363.09	3852377.25	1.01E+00	6.70E-05	1.01E-03	1.41E-03	1.01E+00	1.05E+00	6.85E-01	9.23E-02	4.81E-02	1.88E+00	1.05E+00	7.84E-05	1.01E-03	1.41E-03	1.05E+00
3802	484863.09	3852377.25	9.79E-01	6.63E-05	1.08E-03	1.38E-03	9.81E-01	1.02E+00	6.78E-01	9.84E-02	4.73E-02	1.84E+00	1.02E+00	7.76E-05	1.08E-03	1.38E-03	1.02E+00
3803	485363.09	3852377.25	9.30E-01	5.98E-05	1.03E-03	1.49E-03	9.32E-01	9.70E-01	6.11E-01	9.42E-02	5.09E-02	1.73E+00	9.68E-01	7.00E-05	1.03E-03	1.49E-03	9.71E-01
3804	485863.09	3852377.25	6.62E-01	4.88E-05	1.05E-03	1.67E-03	6.65E-01	6.91E-01	4.99E-01	9.60E-02	5.72E-02	1.34E+00	6.89E-01	5.71E-05	1.05E-03	1.67E-03	6.92E-01
3805	486363.09	3852377.25	3.81E-01	3.57E-05	1.22E-03	1.63E-03	3.84E-01	3.97E-01	3.64E-01	1.12E-01	5.57E-02	9.29E-01	3.97E-01	4.17E-05	1.22E-03	1.63E-03	4.00E-01
3806	486863.09	3852377.25	2.94E-01	3.19E-05	1.31E-03	1.59E-03	2.97E-01	3.07E-01	3.26E-01	1.19E-01	5.43E-02	8.07E-01	3.07E-01	3.74E-05	1.31E-03	1.59E-03	3.10E-01
3807	487363.09	3852377.25	2.20E-01	2.73E-05	1.10E-03	1.69E-03	2.23E-01	2.30E-01	2.79E-01	1.01E-01	5.78E-02	6.68E-01	2.29E-01	3.20E-05	1.10E-03	1.69E-03	2.32E-01
3808	487863.09	3852377.25	1.82E-01	2.37E-05	1.10E-03	1.69E-03	1.85E-01	1.90E-01	2.42E-01	9.99E-02	5.79E-02	5.90E-01	1.90E-01	2.77E-05	1.10E-03	1.69E-03	1.93E-01
3809	488363.09	3852377.25	1.51E-01	2.45E-05	1.35E-03	1.59E-03	1.54E-01	1.57E-01	2.51E-01	1.23E-01	5.44E-02	5.86E-01	1.57E-01	2.87E-05	1.35E-03	1.59E-03	1.60E-01
3810	488863.09	3852377.25	1.26E-01	2.00E-05	1.36E-03	1.56E-03	1.29E-01	1.32E-01	2.04E-01	1.24E-01	5.35E-02	5.13E-01	1.31E-01	2.33E-05	1.36E-03	1.56E-03	1.34E-01
3811	489363.09	3852377.25	1.13E-01	1.85E-05	1.48E-03	1.49E-03	1.16E-01	1.17E-01	1.89E-01	1.35E-01	5.11E-02	4.92E-01	1.17E-01	2.16E-05	1.48E-03	1.49E-03	1.20E-01
3812	489863.09	3852377.25	1.00E-01	1.67E-05	1.42E-03	1.55E-03	1.03E-01	1.05E-01	1.71E-01	1.29E-01	5.29E-02	4.58E-01	1.05E-01	1.96E-05	1.42E-03	1.55E-03	1.08E-01
3813	490363.09	3852377.25	1.06E-01	1.80E-05	1.41E-03	1.56E-03	1.09E-01	1.10E-01	1.84E-01	1.29E-01	5.33E-02	4.77E-01	1.10E-01	2.11E-05	1.41E-03	1.56E-03	1.13E-01
3814	490863.09	3852377.25	1.09E-01	1.76E-05	1.58E-03	1.53E-03	1.12E-01	1.14E-01	1.80E-01	1.44E-01	5.25E-02	4.91E-01	1.14E-01	2.06E-05	1.58E-03	1.53E-03	1.17E-01
3815	491363.09	3852377.25	1.25E-01	1.89E-05	1.57E-03	1.62E-03	1.29E-01	1.31E-01	1.93E-01	1.43E-01	5.55E-02	5.22E-01	1.30E-01	2.21E-05	1.57E-03	1.62E-03	1.34E-01
3816	491863.09	3852377.25	1.25E-01	1.99E-05	1.72E-03	1.59E-03	1.28E-01	1.30E-01	2.03E-01	1.57E-01	5.45E-02	5.45E-01	1.30E-01	2.32E-05	1.72E-03	1.59E-03	1.34E-01
3817	492363.09	3852377.25	1.26E-01	1.79E-05	1.72E-03	1.58E-03	1.29E-01	1.31E-01	1.83E-01	1.57E-01	5.41E-02	5.24E-01	1.31E-01	2.09E-05	1.72E-03	1.58E-03	1.34E-01
3818	492863.09	3852377.25	1.32E-01	1.99E-05	2.62E-03	1.70E-03	1.36E-01	1.38E-01	2.04E-01	2.39E-01	5.83E-02	6.38E-01	1.37E-01	2.33E-05	2.62E-03	1.70E-03	1.42E-01
3819	493363.09	3852377.25	1.55E-01	2.18E-05	3.71E-03	1.90E-03	1.61E-01	1.62E-01	2.23E-01	3.39E-01	6.49E-02	7.88E-01	1.61E-01	2.55E-05	3.71E-03	1.90E-03	1.67E-01
3820	493863.09	3852377.25	1.53E-01	2.19E-05	3.82E-03	2.10E-03	1.59E-01	1.60E-01	2.24E-01	3.48E-01	7.18E-02	8.03E-01	1.59E-01	2.56E-05	3.82E-03	2.10E-03	1.65E-01
3821	494363.09	3852377.25	1.46E-01	2.25E-05	4.04E-03	2.11E-03	1.52E-01	1.53E-01	2.30E-01	3.69E-01	7.21E-02	8.24E-01	1.52E-01	2.64E-05	4.04E-03	2.11E-03	1.58E-01
3822	494863.09	3852377.25	1.56E-01	2.21E-05	4.56E-03	2.07E-03	1.62E-01	1.62E-01	2.26E-01	4.16E-01	7.07E-02	8.76E-01	1.62E-01	2.59E-05	4.56E-03	2.07E-03	1.69E-01
3823	495363.09	3852377.25	1.68E-01	2.20E-05	3.79E-03	2.15E-03	1.74E-01	1.75E-01	2.25E-01	3.46E-01	7.34E-02	8.19E-01	1.75E-01	2.57E-05	3.79E-03	2.15E-03	1.81E-01
3824	495863.09	3852377.25	1.54E-01	2.09E-05	3.80E-03	2.06E-03	1.60E-01	1.60E-01	2.13E-01	3.47E-01	7.04E-02	7.91E-01	1.60E-01	2.44E-05	3.80E-03	2.06E-03	1.66E-01
3825	496363.09	3852377.25	1.39E-01	1.92E-05	3.54E-03	2.03E-03	1.44E-01	1.45E-01	1.96E-01	3.23E-01	6.93E-02	7.33E-01	1.44E-01	2.25E-05	3.54E-03	2.03E-03	1.50E-01
3826	496863.09	3852377.25	1.30E-01	1.90E-05	3.90E-03	1.97E-03	1.36E-01	1.35E-01	1.95E-01	3.56E-01	6.74E-02	7.53E-01	1.35E-01	2.23E-05	3.90E-03	1.97E-03	1.41E-01
3827	497363.09	3852377.25	1.10E-01	1.81E-05	4.09E-03	1.82E-03	1.16E-01	1.15E-01	1.85E-01	3.73E-01	6.24E-02	7.36E-01	1.15E-01	2.12E-05	4.09E-03	1.82E-03	1.21E-01
3828	497863.09	3852377.25	9.48E-02	1.79E-05	4.08E-03	1.75E-03	1.01E-01	9.90E-02	1.83E-01	3.72E-01	6.00E-02	7.14E-01	9.88E-02	2.09E-05	4.08E-03	1.75E-03	1.05E-01
3829	498363.09	3852377.25	9.21E-02	1.76E-05	4.30E-03	1.67E-03	9.81E-02	9.61E-02	1.80E-01	3.92E-01	5.71E-02	7.25E-01	9.59E-02	2.06E-05	4.30E-03	1.67E-03	1.02E-01
3830	471363.09	3852877.25	3.67E-01	4.22E-05	8.30E-04	1.03E-03	3.69E-01	3.83E-01	4.31E-01	7.57E-02	3.53E-02	9.25E-01	3.82E-01	4.93E-05	8.30E-04	1.03E-03	3.84E-01
3831	471863.09	3852877.25	4.06E-01	4.78E-05	9.09E-04	1.00E-03	4.08E-01	4.23E-01	4.88E-01	8.29E-02	3.42E-02	1.03E+00	4.23E-01	5.59E-05	9.09E-04	1.00E-03	4.25E-01
3832	472363.09	3852877.25	4.31E-01	5.32E-05	9.04E-04	9.75E-04	4.33E-01	4.50E-01	5.43E-01	8.24E-02	3.33E-02	1.11E+00	4.49E-01	6.22E-05	9.04E-04	9.75E-04	4.51E-01
3833	472863.09	3852877.25	4.60E-01	5.86E-05	8.81E-04	9.93E-04	4.62E-01	4.80E-01	5.98E-01	8.03E-02	3.40E-02	1.19E+00	4.79E-01	6.85E-05	8.81E-04	9.93E-04	4.81E-01
3834	473363.09	3852877.25	4.95E-01	6.44E-05	8.44E-04	1.04E-03	4.97E-01	5.16E-01	6.58E-01	7.70E-02	3.57E-02	1.29E+00	5.15E-01	7.53E-05	8.44E-04	1.04E-03	5.17E-01
3835	473863.09	3852877.25	5.40E-01	7.08E-05	9.00E-04	1.07E-03	5.42E-01	5.63E-01	7.23E-01	8.20E-02	3.67E-02	1.40E+00	5.62E-01	8.28E-05	9.00E-04	1.07E-03	5.64E-01
3836	474363.09	3852877.25	6.04E-01	7.78E-05	8.37E-04	1.01E-03	6.06E-01	6.30E-01	7.95E-01	7.63E-02	3.46E-02	1.54E+00	6.29E-01	9.10E-05	8.37E-04	1.01E-03	6.31E-01
3837	474863.09	3852877.25	5.51E-01	7.36E-05	7.85E-04	1.01E-03	5.53E-01	5.75E-01	7.52E-01	7.16E-02	3.45E-02	1.43E+00	5.73E-01	8.61E-05	7.85E-04	1.01E-03	5.75E-01
3838	475363.09	3852877.25	5.98E-01	8.96E-05	7.65E-04	1.05E-03	6.00E-01	6.24E-01	9.15E-01	6.98E-02	3.58E-02	1.65E+00	6.23E-01	1.05E-04	7.65E-04	1.05E-03	6.25E-01
3839	475863.09	3852877.25	6.57E-01	9.59E-05	7.86E-04	1.09E-03	6.59E-01	6.86E-01	9.79E-01	7.16E-02	3.74E-02	1.77E+00	6.84E-01	1.12E-04	7.86E-04	1.09E-03	6.86E-01

3840	476363.09	3852877.25	6.16E-01	9.23E-05	7.62E-04	1.19E-03	6.18E-01	6.43E-01	9.43E-01	6.95E-02	4.08E-02	1.70E+00	6.42E-01	1.08E-04	7.62E-04	1.19E-03	6.44E-01
3841	476863.09	3852877.25	5.67E-01	8.43E-05	7.64E-04	1.18E-03	5.70E-01	5.92E-01	8.61E-01	6.96E-02	4.05E-02	1.56E+00	5.91E-01	9.86E-05	7.64E-04	1.18E-03	5.93E-01
3842	477363.09	3852877.25	4.97E-01	7.00E-05	7.65E-04	1.17E-03	4.99E-01	5.19E-01	7.16E-01	6.97E-02	4.02E-02	1.34E+00	5.18E-01	8.19E-05	7.65E-04	1.17E-03	5.20E-01
3843	477863.09	3852877.25	4.20E-01	6.86E-05	8.13E-04	1.19E-03	4.23E-01	4.39E-01	7.01E-01	7.41E-02	4.06E-02	1.25E+00	4.38E-01	8.03E-05	8.13E-04	1.19E-03	4.40E-01
3844	478363.09	3852877.25	2.91E-01	6.26E-05	7.71E-04	1.20E-03	2.93E-01	3.04E-01	6.39E-01	7.04E-02	4.10E-02	1.05E+00	3.03E-01	7.32E-05	7.71E-04	1.20E-03	3.05E-01
3845	478863.09	3852877.25	4.05E-01	7.88E-05	6.58E-04	1.07E-03	4.07E-01	4.23E-01	8.05E-01	6.00E-02	3.68E-02	1.32E+00	4.22E-01	9.21E-05	6.58E-04	1.07E-03	4.24E-01
3846	479363.09	3852877.25	7.15E-01	1.05E-04	6.85E-04	1.03E-03	7.17E-01	7.46E-01	1.08E+00	6.25E-02	3.54E-02	1.92E+00	7.44E-01	1.23E-04	6.85E-04	1.03E-03	7.46E-01
3847	479863.09	3852877.25	1.28E+00	1.65E-04	6.73E-04	9.94E-04	1.28E+00	1.34E+00	1.69E+00	6.14E-02	3.40E-02	3.12E+00	1.34E+00	1.93E-04	6.73E-04	9.94E-04	1.34E+00
3848	480363.09	3852877.25	1.55E+00	3.67E-04	6.81E-04	9.96E-04	1.55E+00	1.62E+00	3.75E+00	6.21E-02	3.41E-02	5.46E+00	1.61E+00	4.29E-04	6.81E-04	9.96E-04	1.62E+00
3849	480863.09	3852877.25	1.54E+00	4.09E-04	6.76E-04	9.72E-04	1.54E+00	1.60E+00	4.18E+00	6.16E-02	3.33E-02	5.87E+00	1.60E+00	4.78E-04	6.76E-04	9.72E-04	1.60E+00
3850	481363.09	3852877.25	1.62E+00	4.07E-04	6.98E-04	1.09E-03	1.62E+00	1.69E+00	4.16E+00	6.36E-02	3.74E-02	5.94E+00	1.68E+00	4.76E-04	6.98E-04	1.09E-03	1.68E+00
3851	481863.09	3852877.25	1.53E+00	3.66E-04	7.50E-04	1.24E-03	1.54E+00	1.60E+00	3.74E+00	6.84E-02	4.26E-02	5.45E+00	1.60E+00	4.28E-04	7.50E-04	1.24E-03	1.60E+00
3852	482363.09	3852877.25	2.48E+00	3.11E-04	7.49E-04	1.39E-03	2.48E+00	2.59E+00	3.17E+00	6.83E-02	4.74E-02	5.88E+00	2.58E+00	3.63E-04	7.49E-04	1.39E-03	2.58E+00
3853	482863.09	3852877.25	2.69E+00	2.35E-04	7.99E-04	1.66E-03	2.69E+00	2.81E+00	2.40E+00	7.29E-02	5.67E-02	5.34E+00	2.80E+00	2.75E-04	7.99E-04	1.66E-03	2.80E+00
3854	483363.09	3852877.25	2.11E+00	1.48E-04	9.00E-04	1.62E-03	2.11E+00	2.20E+00	1.51E+00	8.21E-02	5.53E-02	3.85E+00	2.20E+00	1.73E-04	9.00E-04	1.62E-03	2.20E+00
3855	483863.09	3852877.25	1.56E+00	8.66E-05	9.71E-04	1.54E-03	1.57E+00	1.63E+00	8.85E-01	8.86E-02	5.27E-02	2.66E+00	1.63E+00	1.01E-04	9.71E-04	1.54E-03	1.63E+00
3856	484363.09	3852877.25	1.46E+00	9.10E-05	1.06E-03	1.47E-03	1.46E+00	1.52E+00	9.30E-01	9.63E-02	5.04E-02	2.60E+00	1.52E+00	1.06E-04	1.06E-03	1.47E-03	1.52E+00
3857	484863.09	3852877.25	1.34E+00	8.59E-05	1.13E-03	1.61E-03	1.34E+00	1.40E+00	8.77E-01	1.03E-01	5.49E-02	2.44E+00	1.40E+00	1.00E-04	1.13E-03	1.61E-03	1.40E+00
3858	485363.09	3852877.25	7.30E-01	4.96E-05	1.18E-03	1.90E-03	7.33E-01	7.62E-01	5.07E-01	1.08E-01	6.48E-02	1.44E+00	7.60E-01	5.80E-05	1.18E-03	1.90E-03	7.63E-01
3859	485863.09	3852877.25	4.50E-01	3.95E-05	1.15E-03	1.80E-03	4.53E-01	4.70E-01	4.04E-01	1.05E-01	6.16E-02	1.04E+00	4.69E-01	4.62E-05	1.15E-03	1.80E-03	4.72E-01
3860	486363.09	3852877.25	2.92E-01	3.21E-05	1.31E-03	1.85E-03	2.95E-01	3.05E-01	3.28E-01	1.20E-01	6.33E-02	8.16E-01	3.04E-01	3.76E-05	1.31E-03	1.85E-03	3.07E-01
3861	486863.09	3852877.25	2.41E-01	3.00E-05	1.42E-03	1.89E-03	2.45E-01	2.52E-01	3.07E-01	1.30E-01	6.46E-02	7.53E-01	2.51E-01	3.51E-05	1.42E-03	1.89E-03	2.55E-01
3862	487363.09	3852877.25	1.93E-01	2.57E-05	1.20E-03	1.80E-03	1.96E-01	2.01E-01	2.63E-01	1.10E-01	6.17E-02	6.35E-01	2.01E-01	3.01E-05	1.20E-03	1.80E-03	2.04E-01
3863	487863.09	3852877.25	1.65E-01	2.47E-05	1.23E-03	1.84E-03	1.68E-01	1.72E-01	2.52E-01	1.12E-01	6.29E-02	5.99E-01	1.72E-01	2.88E-05	1.23E-03	1.84E-03	1.75E-01
3864	488363.09	3852877.25	1.12E-01	1.98E-05	1.49E-03	1.62E-03	1.15E-01	1.17E-01	2.03E-01	1.36E-01	5.53E-02	5.10E-01	1.17E-01	2.32E-05	1.49E-03	1.62E-03	1.20E-01
3865	488863.09	3852877.25	1.13E-01	1.90E-05	1.60E-03	1.60E-03	1.17E-01	1.18E-01	1.94E-01	1.46E-01	5.49E-02	5.13E-01	1.18E-01	2.22E-05	1.60E-03	1.60E-03	1.21E-01
3866	489363.09	3852877.25	1.16E-01	1.87E-05	1.53E-03	1.62E-03	1.19E-01	1.21E-01	1.91E-01	1.39E-01	5.55E-02	5.06E-01	1.21E-01	2.18E-05	1.53E-03	1.62E-03	1.24E-01
3867	489863.09	3852877.25	1.11E-01	1.86E-05	1.53E-03	1.68E-03	1.14E-01	1.16E-01	1.90E-01	1.39E-01	5.75E-02	5.03E-01	1.16E-01	2.17E-05	1.53E-03	1.68E-03	1.19E-01
3868	490363.09	3852877.25	1.38E-01	2.26E-05	1.73E-03	1.68E-03	1.41E-01	1.44E-01	2.31E-01	1.58E-01	5.74E-02	5.90E-01	1.43E-01	2.65E-05	1.73E-03	1.68E-03	1.47E-01
3869	490863.09	3852877.25	1.50E-01	2.17E-05	1.80E-03	1.74E-03	1.53E-01	1.56E-01	2.21E-01	1.64E-01	5.96E-02	6.02E-01	1.56E-01	2.54E-05	1.80E-03	1.74E-03	1.59E-01
3870	491363.09	3852877.25	1.62E-01	2.26E-05	1.97E-03	1.86E-03	1.66E-01	1.69E-01	2.31E-01	1.79E-01	6.36E-02	6.43E-01	1.69E-01	2.64E-05	1.97E-03	1.86E-03	1.73E-01
3871	491863.09	3852877.25	1.65E-01	2.36E-05	1.71E-03	1.97E-03	1.69E-01	1.72E-01	2.41E-01	1.56E-01	6.73E-02	6.36E-01	1.72E-01	2.76E-05	1.71E-03	1.97E-03	1.76E-01
3872	492363.09	3852877.25	1.76E-01	2.36E-05	2.75E-03	2.14E-03	1.81E-01	1.84E-01	2.41E-01	2.51E-01	7.32E-02	7.49E-01	1.83E-01	2.76E-05	2.75E-03	2.14E-03	1.88E-01
3873	492863.09	3852877.25	1.98E-01	2.56E-05	4.11E-03	2.36E-03	2.04E-01	2.07E-01	2.62E-01	3.75E-01	8.06E-02	9.23E-01	2.06E-01	3.00E-05	4.11E-03	2.36E-03	2.13E-01
3874	493363.09	3852877.25	2.15E-01	2.73E-05	4.32E-03	2.56E-03	2.22E-01	2.25E-01	2.79E-01	3.94E-01	8.76E-02	9.85E-01	2.24E-01	3.19E-05	4.32E-03	2.56E-03	2.31E-01
3875	493863.09	3852877.25	2.05E-01	2.75E-05	4.79E-03	2.29E-03	2.12E-01	2.14E-01	2.81E-01	4.37E-01	7.84E-02	1.01E+00	2.14E-01	3.22E-05	4.79E-03	2.29E-03	2.21E-01
3876	494363.09	3852877.25	2.01E-01	2.51E-05	5.22E-03	2.36E-03	2.09E-01	2.10E-01	2.57E-01	4.76E-01	8.06E-02	1.02E+00	2.09E-01	2.94E-05	5.22E-03	2.36E-03	2.17E-01
3877	494863.09	3852877.25	2.08E-01	2.41E-05	4.23E-03	2.28E-03	2.15E-01	2.17E-01	2.46E-01	3.86E-01	7.79E-02	9.27E-01	2.17E-01	2.82E-05	4.23E-03	2.28E-03	2.24E-01
3878	495363.09	3852877.25	1.79E-01	2.32E-05	4.17E-03	2.22E-03	1.86E-01	1.87E-01	2.37E-01	3.81E-01	7.60E-02	8.80E-01	1.87E-01	2.71E-05	4.17E-03	2.22E-03	1.93E-01
3879	495863.09	3852877.25	1.58E-01	2.09E-05	4.28E-03	2.17E-03	1.64E-01	1.65E-01	2.14E-01	3.91E-01	7.41E-02	8.43E-01	1.65E-01	2.45E-05	4.28E-03	2.17E-03	1.71E-01
3880	496363.09	3852877.25	1.52E-01	2.04E-05	4.30E-03	2.02E-03	1.58E-01	1.58E-01	2.09E-01	3.93E-01	6.89E-02	8.29E-01	1.58E-01	2.39E-05	4.30E-03	2.02E-03	1.65E-01
3881	496863.09	3852877.25	1.39E-01	1.98E-05	4.66E-03	1.94E-03	1.46E-01	1.46E-01	2.02E-01	4.25E-01	6.62E-02	8.40E-01	1.45E-01	2.32E-05	4.66E-03	1.94E-03	1.52E-01
3882	497363.09	3852877.25	1.08E-01	1.88E-05	4.70E-03	1.87E-03	1.15E-01	1.13E-01	1.92E-01	4.28E-01	6.41E-02	7.98E-01	1.13E-01	2.20E-05	4.70E-03	1.87E-03	1.20E-01
3883	497863.09	3852877.25	9.26E-02	1.75E-05	4.50E-03	1.77E-03	9.88E-02	9.66E-02	1.79E-01	4.10E-01	6.05E-02	7.46E-01	9.64E-02	2.05E-05	4.50E-03	1.77E-03	1.03E-01
3884	498363.09	3852877.25	8.99E-02	1.64E-05	4.79E-03	1.72E-03	9.64E-02	9.38E-02	1.68E-01	4.37E-01	5.88E-02	7.57E-01	9.36E-02	1.92E-05	4.79E-03	1.72E-03	1.00E-01
3885	471363.09	3853377.25	3.82E-01	4.30E-05	7.31E-04	1.10E-03	3.83E-01	3.98E-01	4.40E-01	6.67E-02	3.75E-02	9.42E-01	3.97E-01	5.03E-05	7.31E-04	1.10E-03	3.99E-01
3886	471863.09	3853377.25	4.15E-01	4.71E-05	7.35E-04	1.13E-03	4.17E-01	4.33E-01	4.81E-01	6.70E-02	3.85E-02	1.02E+00	4.32E-01	5.51E-05	7.35E-04	1.13E-03	4.34E-01
3887	472363.09	3853377.25	4.53E-01	4.98E-05	8.38E-04	1.15E-03	4.55E-01	4.72E-01	5.09E-01	7.65E-02	3.93E-02	1.10E+00	4.71E-01	5.83E-05	8.38E-04	1.15E-03	4.73E-01
3888	472863.09	3853377.25	4.74E-01	5.39E-05	1.00E-03	1.15E-03	4.76E-01	4.94E-01	5.50E-01	9.12E-02	3.92E-02	1.18E+00	4.93E-01	6.30E-05	1.00E-03	1.15E-03	4.96E-01
3889	473363.09	3853377.25	5.15E-01	5.74E-05	1.03E-03	1.13E-03	5.17E-01	5.37E-01	5.86E-01	9.40E-02	3.87E-02	1.26E+00	5.36E-01	6.71E-05	1.03E-03	1.13E-03	5.38E-01
3890	473863.09	3853377.25	5.34E-01	6.09E-05	1.04E-03	1.10E-03	5.36E-01	5.57E-01	6.23E-01	9.45E-02	3.77E-02	1.31E+00	5.56E-01	7.13E-05	1.04E-03	1.10E-03	5.58E-01
3891	474363.09	3853377.25	5.51E-01	6.51E-05	1.03E-03	1.12E-03	5.53E-01	5.74E-01	6.65E-01	9.36E-02	3.82E-02	1.37E+00	5.73E-01	7.62E-05	1.03E-03	1.12E-03	5.76E-01
3892	474863.09	3853377.25	5.38E-01	6.36E-05	9.69E-04	1.19E-03	5.40E-01	5.62E-01	6.50E-01	8.84E-02	4.06E-02	1.34E+00	5.60E-01	7.44E-05	9.69E-04	1.19E-03	5.63E-01
3893	475363.09	3853377.25	5.46E-01	6.20E-05	1.01E-03	1.20E-03	5.49E-01	5.70E-01	6.33E-01	9.25E-02	4.10E-02	1.34E+00	5.69E-01	7.25E-05	1.01E-03	1.20E-03	5.71E-01
3894	475863.09	3853377.25	5.50E-01	6.41E-05	9.56E-04	1.16E-03	5.52E-01	5.74E-01	6.55E-01	8.72E-02	3.96E-02	1.36E+00	5.73E-01	7.50E-05	9.56E-04	1.16E-03	5.75E-01
3895	476363.09	3853377.25	4.68E-01	5.90E-05	9.00E-04	1.14E-03	4.70E-01	4.88E-01	6.03E-01	8.21E-02	3.88E-02	1.21E+00	4.87E-01	6.91E-05	9.00E-04	1.14E-03	4.89E-01
3896	476863.09	3853377.25	3.70E-01	5.50E-05	8.51E-04	1.16E-03	3.72E-01	3.86E-01	5.62E-01	7.77E-02	3.98E-02	1.07E+00	3.85E-01	6.43E-05	8.51E-04	1.16E-03	3.87E-01
3897	477363.09	3853377.25	3.57E-01	5.82E-05	8.49E-04	1.22E-03	3.59E-01	3.72E-01	5.94E-01	7.74E-02	4.18E-02	1.09E+00	3.71E-01	6.81E-05	8.49E-04	1.22E-03	3.74E-01
3898	477863.09	3853377.25	3.65E-01	5.99E-05	8.45E-04	1.22E-03	3.67E-01	3.81E-01	6.12E-01	7.71E-02	4.18E-02	1.11E+00	3.80E-01	7.01E-05	8.45E-04	1.22E-03	3.82E-01
3899	478363.09	3853377.25	2.91E-01	5.00E-05	8.31E-04	1.21E-03	2.93E-01	3.04E-01	5.11E-01	7.58E-02	4.15E-02	9.32E-01	3.03E-01	5.85E-05	8.31E-04	1.21E-03	3.05E-01
3900	478863.09	3853377.25	2.15E-01	4.71E-05	8.89E-04	1.32E-03	2.17E-01	2.24E-01	4.81E-01	8.11E-02	4.52E-02	8.32E-01	2.24E-01	5.51E-05	8.89E-04	1.32E-03	2.26E-01

3901	479363.09	3853377.25	4.11E-01	8.23E-05	8.58E-04	1.29E-03	4.14E-01	4.29E-01	8.40E-01	7.83E-02	4.43E-02	1.39E+00	4.28E-01	9.62E-05	8.58E-04	1.29E-03	4.31E-01
3902	479863.09	3853377.25	7.50E-01	1.26E-04	7.97E-04	1.23E-03	7.52E-01	7.82E-01	1.29E+00	7.27E-02	4.20E-02	2.19E+00	7.81E-01	1.48E-04	7.97E-04	1.23E-03	7.83E-01
3903	480363.09	3853377.25	1.49E+00	2.15E-04	7.75E-04	1.12E-03	1.49E+00	1.55E+00	2.20E+00	7.07E-02	3.84E-02	3.86E+00	1.55E+00	2.52E-04	7.75E-04	1.12E-03	1.55E+00
3904	480863.09	3853377.25	1.66E+00	2.05E-04	7.54E-04	1.19E-03	1.66E+00	1.73E+00	2.09E+00	6.88E-02	4.07E-02	3.93E+00	1.73E+00	2.40E-04	7.54E-04	1.19E-03	1.73E+00
3905	481363.09	3853377.25	2.10E+00	3.56E-04	7.48E-04	1.15E-03	2.10E+00	2.19E+00	3.64E+00	6.83E-02	3.93E-02	5.94E+00	2.18E+00	4.17E-04	7.48E-04	1.15E-03	2.19E+00
3906	481863.09	3853377.25	1.86E+00	4.62E-04	7.55E-04	1.34E-03	1.86E+00	1.94E+00	4.72E+00	6.89E-02	4.57E-02	6.77E+00	1.94E+00	5.40E-04	7.55E-04	1.34E-03	1.94E+00
3907	482363.09	3853377.25	2.08E+00	3.76E-04	8.24E-04	1.56E-03	2.08E+00	2.17E+00	3.84E+00	7.52E-02	5.34E-02	6.14E+00	2.16E+00	4.40E-04	8.24E-04	1.56E-03	2.17E+00
3908	482863.09	3853377.25	3.12E+00	3.37E-04	8.12E-04	1.71E-03	3.12E+00	3.25E+00	3.44E+00	7.41E-02	5.84E-02	6.83E+00	3.25E+00	3.94E-04	8.12E-04	1.71E-03	3.25E+00
3909	483363.09	3853377.25	3.07E+00	1.97E-04	8.89E-04	1.66E-03	3.07E+00	3.20E+00	2.01E+00	8.11E-02	5.67E-02	5.36E+00	3.20E+00	2.31E-04	8.89E-04	1.66E-03	3.20E+00
3910	483863.09	3853377.25	2.64E+00	1.45E-04	9.93E-04	1.65E-03	2.64E+00	2.76E+00	1.48E+00	9.06E-02	5.65E-02	4.38E+00	2.75E+00	1.69E-04	9.93E-04	1.65E-03	2.75E+00
3911	484363.09	3853377.25	2.18E+00	1.24E-04	1.08E-03	1.69E-03	2.18E+00	2.27E+00	1.27E+00	9.82E-02	5.77E-02	3.70E+00	2.27E+00	1.46E-04	1.08E-03	1.69E-03	2.27E+00
3912	484863.09	3853377.25	1.46E+00	8.10E-05	1.17E-03	1.99E-03	1.46E+00	1.52E+00	8.27E-01	1.06E-01	6.79E-02	2.52E+00	1.52E+00	9.47E-05	1.17E-03	1.99E-03	1.52E+00
3913	485363.09	3853377.25	5.38E-01	4.45E-05	1.30E-03	1.87E-03	5.42E-01	5.62E-01	4.55E-01	1.19E-01	6.39E-02	1.20E+00	5.61E-01	5.21E-05	1.30E-03	1.87E-03	5.64E-01
3914	485863.09	3853377.25	2.69E-01	3.14E-05	1.24E-03	2.00E-03	2.72E-01	2.81E-01	3.21E-01	1.13E-01	6.84E-02	7.83E-01	2.80E-01	3.67E-05	1.24E-03	2.00E-03	2.84E-01
3915	486363.09	3853377.25	2.43E-01	3.08E-05	1.24E-03	1.97E-03	2.46E-01	2.54E-01	3.15E-01	1.13E-01	6.72E-02	7.48E-01	2.53E-01	3.60E-05	1.24E-03	1.97E-03	2.56E-01
3916	486863.09	3853377.25	2.20E-01	2.91E-05	1.59E-03	1.99E-03	2.23E-01	2.29E-01	2.98E-01	1.45E-01	6.81E-02	7.40E-01	2.29E-01	3.41E-05	1.59E-03	1.99E-03	2.33E-01
3917	487363.09	3853377.25	2.13E-01	3.04E-05	1.36E-03	2.08E-03	2.17E-01	2.23E-01	3.11E-01	1.24E-01	7.13E-02	7.29E-01	2.22E-01	3.56E-05	1.36E-03	2.08E-03	2.26E-01
3918	487863.09	3853377.25	2.08E-01	2.89E-05	1.44E-03	2.05E-03	2.12E-01	2.17E-01	2.95E-01	1.31E-01	7.02E-02	7.14E-01	2.17E-01	3.38E-05	1.44E-03	2.05E-03	2.20E-01
3919	488363.09	3853377.25	2.11E-01	2.91E-05	1.66E-03	2.23E-03	2.15E-01	2.20E-01	2.98E-01	1.52E-01	7.64E-02	7.46E-01	2.20E-01	3.41E-05	1.66E-03	2.23E-03	2.24E-01
3920	488863.09	3853377.25	2.04E-01	2.79E-05	1.93E-03	2.27E-03	2.08E-01	2.12E-01	2.85E-01	1.76E-01	7.75E-02	7.52E-01	2.12E-01	3.27E-05	1.93E-03	2.27E-03	2.16E-01
3921	489363.09	3853377.25	1.95E-01	2.50E-05	2.04E-03	2.27E-03	2.00E-01	2.04E-01	2.55E-01	1.86E-01	7.78E-02	7.23E-01	2.03E-01	2.92E-05	2.04E-03	2.27E-03	2.08E-01
3922	489863.09	3853377.25	1.82E-01	2.80E-05	1.90E-03	2.05E-03	1.86E-01	1.90E-01	2.87E-01	1.74E-01	7.02E-02	7.20E-01	1.89E-01	3.28E-05	1.90E-03	2.05E-03	1.93E-01
3923	490363.09	3853377.25	1.97E-01	2.73E-05	2.15E-03	2.20E-03	2.02E-01	2.06E-01	2.78E-01	1.96E-01	7.54E-02	7.55E-01	2.06E-01	3.19E-05	2.15E-03	2.20E-03	2.10E-01
3924	490863.09	3853377.25	2.09E-01	2.70E-05	2.02E-03	2.50E-03	2.14E-01	2.18E-01	2.75E-01	1.84E-01	8.55E-02	7.64E-01	2.18E-01	3.15E-05	2.02E-03	2.50E-03	2.22E-01
3925	491363.09	3853377.25	2.19E-01	2.93E-05	1.90E-03	2.77E-03	2.24E-01	2.29E-01	3.00E-01	1.73E-01	9.48E-02	7.96E-01	2.28E-01	3.43E-05	1.90E-03	2.77E-03	2.33E-01
3926	491863.09	3853377.25	2.30E-01	2.74E-05	3.08E-03	2.78E-03	2.36E-01	2.40E-01	2.80E-01	2.81E-01	9.52E-02	8.96E-01	2.39E-01	3.20E-05	3.08E-03	2.78E-03	2.45E-01
3927	492363.09	3853377.25	2.62E-01	2.93E-05	4.52E-03	2.73E-03	2.69E-01	2.74E-01	2.99E-01	4.12E-01	9.34E-02	1.08E+00	2.73E-01	3.43E-05	4.52E-03	2.73E-03	2.80E-01
3928	492863.09	3853377.25	3.07E-01	3.09E-05	5.16E-03	2.94E-03	3.15E-01	3.20E-01	3.15E-01	4.70E-01	1.01E-01	1.21E+00	3.19E-01	3.61E-05	5.16E-03	2.94E-03	3.27E-01
3929	493363.09	3853377.25	3.07E-01	3.24E-05	5.64E-03	2.64E-03	3.15E-01	3.20E-01	3.31E-01	5.14E-01	9.02E-02	1.26E+00	3.19E-01	3.79E-05	5.64E-03	2.64E-03	3.28E-01
3930	493863.09	3853377.25	3.00E-01	3.05E-05	5.61E-03	2.45E-03	3.08E-01	3.13E-01	3.12E-01	5.12E-01	8.39E-02	1.22E+00	3.13E-01	3.57E-05	5.61E-03	2.45E-03	3.21E-01
3931	494363.09	3853377.25	2.68E-01	2.83E-05	4.59E-03	2.68E-03	2.75E-01	2.79E-01	2.89E-01	4.19E-01	9.18E-02	1.08E+00	2.79E-01	3.31E-05	4.59E-03	2.68E-03	2.86E-01
3932	494863.09	3853377.25	2.28E-01	2.49E-05	5.00E-03	2.40E-03	2.36E-01	2.38E-01	2.55E-01	4.56E-01	8.22E-02	1.03E+00	2.38E-01	2.92E-05	5.00E-03	2.40E-03	2.45E-01
3933	495363.09	3853377.25	2.13E-01	2.37E-05	5.31E-03	2.36E-03	2.21E-01	2.22E-01	2.42E-01	4.84E-01	8.09E-02	1.03E+00	2.22E-01	2.77E-05	5.31E-03	2.36E-03	2.30E-01
3934	495863.09	3853377.25	1.86E-01	2.26E-05	5.53E-03	2.30E-03	1.94E-01	1.94E-01	2.31E-01	5.04E-01	7.87E-02	1.01E+00	1.93E-01	2.64E-05	5.53E-03	2.30E-03	2.01E-01
3935	496363.09	3853377.25	1.54E-01	2.10E-05	5.54E-03	2.16E-03	1.61E-01	1.60E-01	2.15E-01	5.06E-01	7.38E-02	9.55E-01	1.60E-01	2.46E-05	5.54E-03	2.16E-03	1.68E-01
3936	496863.09	3853377.25	1.25E-01	2.03E-05	5.47E-03	2.07E-03	1.32E-01	1.30E-01	2.08E-01	4.99E-01	7.08E-02	9.07E-01	1.30E-01	2.38E-05	5.47E-03	2.07E-03	1.37E-01
3937	497363.09	3853377.25	1.07E-01	1.94E-05	5.71E-03	1.97E-03	1.15E-01	1.12E-01	1.99E-01	5.21E-01	6.74E-02	8.99E-01	1.12E-01	2.27E-05	5.71E-03	1.97E-03	1.19E-01
3938	497863.09	3853377.25	8.71E-02	1.57E-05	5.32E-03	1.71E-03	9.42E-02	9.09E-02	1.61E-01	4.85E-01	5.86E-02	7.95E-01	9.07E-02	1.84E-05	5.32E-03	1.71E-03	9.78E-02
3939	498363.09	3853377.25	6.78E-02	1.44E-05	5.03E-03	1.34E-03	7.41E-02	7.07E-02	1.47E-01	4.59E-01	4.59E-02	7.22E-01	7.06E-02	1.68E-05	5.03E-03	1.34E-03	7.69E-02
3940	471363.09	3853877.25	3.59E-01	4.34E-05	8.59E-04	1.13E-03	3.61E-01	3.75E-01	4.43E-01	7.83E-02	3.87E-02	9.35E-01	3.74E-01	5.07E-05	8.59E-04	1.13E-03	3.76E-01
3941	471863.09	3853877.25	4.10E-01	4.73E-05	8.53E-04	1.16E-03	4.12E-01	4.28E-01	4.84E-01	7.78E-02	3.95E-02	1.03E+00	4.27E-01	5.54E-05	8.53E-04	1.16E-03	4.29E-01
3942	472363.09	3853877.25	4.49E-01	4.92E-05	8.76E-04	1.18E-03	4.51E-01	4.68E-01	5.03E-01	7.99E-02	4.02E-02	1.09E+00	4.68E-01	5.76E-05	8.76E-04	1.18E-03	4.70E-01
3943	472863.09	3853877.25	4.90E-01	5.26E-05	8.71E-04	1.21E-03	4.92E-01	5.11E-01	5.38E-01	7.95E-02	4.13E-02	1.17E+00	5.10E-01	6.16E-05	8.71E-04	1.21E-03	5.12E-01
3944	473363.09	3853877.25	4.95E-01	5.33E-05	8.65E-04	1.22E-03	4.97E-01	5.16E-01	5.44E-01	7.88E-02	4.19E-02	1.18E+00	5.15E-01	6.23E-05	8.65E-04	1.22E-03	5.17E-01
3945	473863.09	3853877.25	5.11E-01	5.43E-05	9.38E-04	1.27E-03	5.13E-01	5.33E-01	5.54E-01	8.55E-02	4.36E-02	1.22E+00	5.32E-01	6.35E-05	9.38E-04	1.27E-03	5.34E-01
3946	474363.09	3853877.25	5.38E-01	5.69E-05	1.13E-03	1.31E-03	5.40E-01	5.61E-01	5.82E-01	1.03E-01	4.48E-02	1.29E+00	5.60E-01	6.66E-05	1.13E-03	1.31E-03	5.62E-01
3947	474863.09	3853877.25	5.40E-01	5.93E-05	1.19E-03	1.29E-03	5.42E-01	5.63E-01	6.06E-01	1.08E-01	4.41E-02	1.32E+00	5.62E-01	6.94E-05	1.19E-03	1.29E-03	5.64E-01
3948	475363.09	3853877.25	5.23E-01	5.62E-05	1.19E-03	1.27E-03	5.26E-01	5.46E-01	5.74E-01	1.09E-01	4.33E-02	1.27E+00	5.45E-01	6.58E-05	1.19E-03	1.27E-03	5.48E-01
3949	475863.09	3853877.25	3.93E-01	4.88E-05	1.15E-03	1.27E-03	3.95E-01	4.10E-01	4.98E-01	1.05E-01	4.34E-02	1.06E+00	4.09E-01	5.71E-05	1.15E-03	1.27E-03	4.11E-01
3950	476363.09	3853877.25	2.81E-01	4.21E-05	1.13E-03	1.27E-03	2.84E-01	2.93E-01	4.30E-01	1.03E-01	4.34E-02	8.70E-01	2.93E-01	4.92E-05	1.13E-03	1.27E-03	2.95E-01
3951	476863.09	3853877.25	2.04E-01	3.61E-05	1.16E-03	1.23E-03	2.07E-01	2.13E-01	3.69E-01	1.06E-01	4.22E-02	7.30E-01	2.13E-01	4.22E-05	1.16E-03	1.23E-03	2.15E-01
3952	477363.09	3853877.25	2.19E-01	3.95E-05	1.10E-03	1.27E-03	2.21E-01	2.29E-01	4.04E-01	1.00E-01	4.34E-02	7.76E-01	2.28E-01	4.62E-05	1.10E-03	1.27E-03	2.31E-01
3953	477863.09	3853877.25	2.55E-01	4.90E-05	1.04E-03	1.27E-03	2.57E-01	2.66E-01	5.01E-01	9.45E-02	4.33E-02	9.05E-01	2.65E-01	5.74E-05	1.04E-03	1.27E-03	2.68E-01
3954	478363.09	3853877.25	2.72E-01	5.42E-05	1.00E-03	1.29E-03	2.74E-01	2.84E-01	5.54E-01	9.13E-02	4.40E-02	9.73E-01	2.83E-01	6.34E-05	1.00E-03	1.29E-03	2.86E-01
3955	478863.09	3853877.25	1.94E-01	4.18E-05	9.27E-04	1.32E-03	1.96E-01	2.02E-01	4.27E-01	8.46E-02	4.53E-02	7.59E-01	2.02E-01	4.89E-05	9.27E-04	1.32E-03	2.04E-01
3956	479363.09	3853877.25	2.80E-01	5.46E-05	9.51E-04	1.39E-03	2.82E-01	2.92E-01	5.58E-01	8.67E-02	4.75E-02	9.84E-01	2.91E-01	6.39E-05	9.51E-04	1.39E-03	2.94E-01
3957	479863.09	3853877.25	6.13E-01	1.01E-04	1.02E-03	1.55E-03	6.15E-01	6.39E-01	1.03E+00	9.28E-02	5.29E-02	1.82E+00	6.38E-01	1.18E-04	1.02E-03	1.55E-03	6.41E-01
3958	480363.09	3853877.25	1.05E+00	1.61E-04	9.72E-04	1.55E-03	1.05E+00	1.10E+00	1.64E+00	8.86E-02	5.29E-02	2.88E+00	1.09E+00	1.88E-04	9.72E-04	1.55E-03	1.10E+00
3959	480863.09	3853877.25	1.54E+00	2.73E-04	9.54E-04	1.33E-03	1.54E+00	1.60E+00	2.79E+00	8.70E-02	4.54E-02	4.52E+00	1.60E+00	3.19E-04	9.54E-04	1.33E-03	1.60E+00
3960	481363.09	3853877.25	2.04E+00	3.90E-04	8.64E-04	1.38E-03	2.05E+00	2.13E+00	3.99E+00	7.88E-02	4.73E-02	6.24E+00	2.13E+00	4.56E-04	8.64E-04	1.38E-03	2.13E+00
3961	481863.09	3853877.25	2.25E+00	6.38E-04	8.71E-04	1.43E-03	2.26E+00	2.35E+00	6.52E+00	7.94E-02	4.88E-02	9.00E+00	2.35E+00	7.47E-04	8.71E-04	1.43E-03	2.35E+00

3962	482363.09	3853877.25	2.53E+00	5.30E-04	8.32E-04	1.91E-03	2.53E+00	2.64E+00	5.41E+00	7.59E-02	6.53E-02	8.19E+00	2.64E+00	6.20E-04	8.32E-04	1.91E-03	2.64E+00
3963	482863.09	3853877.25	2.74E+00	3.61E-04	8.94E-04	2.06E-03	2.74E+00	2.86E+00	3.69E+00	8.15E-02	7.03E-02	6.70E+00	2.85E+00	4.22E-04	8.94E-04	2.06E-03	2.85E+00
3964	483363.09	3853877.25	3.87E+00	2.20E-04	8.72E-04	2.00E-03	3.88E+00	4.04E+00	2.25E+00	7.96E-02	6.84E-02	6.44E+00	4.03E+00	2.58E-04	8.72E-04	2.00E-03	4.04E+00
3965	483863.09	3853877.25	4.09E+00	1.85E-04	1.00E-03	2.17E-03	4.09E+00	4.27E+00	1.89E+00	9.12E-02	7.43E-02	6.32E+00	4.26E+00	2.17E-04	1.00E-03	2.17E-03	4.26E+00
3966	484363.09	3853877.25	2.92E+00	1.22E-04	1.11E-03	2.15E-03	2.93E+00	3.05E+00	1.25E+00	1.01E-01	7.35E-02	4.47E+00	3.04E+00	1.43E-04	1.11E-03	2.15E-03	3.05E+00
3967	484863.09	3853877.25	1.37E+00	6.94E-05	1.19E-03	2.07E-03	1.38E+00	1.43E+00	7.09E-01	1.09E-01	7.07E-02	2.32E+00	1.43E+00	8.12E-05	1.19E-03	2.07E-03	1.43E+00
3968	485363.09	3853877.25	4.31E-01	4.02E-05	1.34E-03	2.48E-03	4.35E-01	4.49E-01	4.11E-01	1.22E-01	8.47E-02	1.07E+00	4.49E-01	4.70E-05	1.34E-03	2.48E-03	4.52E-01
3969	485863.09	3853877.25	4.07E-01	3.94E-05	1.47E-03	2.96E-03	4.12E-01	4.25E-01	4.03E-01	1.34E-01	1.01E-01	1.06E+00	4.24E-01	4.61E-05	1.47E-03	2.96E-03	4.28E-01
3970	486363.09	3853877.25	3.11E-01	3.55E-05	1.47E-03	2.70E-03	3.15E-01	3.25E-01	3.63E-01	1.34E-01	9.22E-02	9.14E-01	3.24E-01	4.16E-05	1.47E-03	2.70E-03	3.28E-01
3971	486863.09	3853877.25	2.58E-01	3.21E-05	1.83E-03	2.52E-03	2.62E-01	2.69E-01	3.28E-01	1.67E-01	8.61E-02	8.50E-01	2.69E-01	3.76E-05	1.83E-03	2.52E-03	2.73E-01
3972	487363.09	3853877.25	2.52E-01	3.27E-05	1.53E-03	2.62E-03	2.57E-01	2.63E-01	3.35E-01	1.39E-01	8.95E-02	8.27E-01	2.63E-01	3.83E-05	1.53E-03	2.62E-03	2.67E-01
3973	487863.09	3853877.25	2.94E-01	3.41E-05	1.70E-03	2.73E-03	2.99E-01	3.07E-01	3.48E-01	1.55E-01	9.35E-02	9.03E-01	3.06E-01	3.98E-05	1.70E-03	2.73E-03	3.11E-01
3974	488363.09	3853877.25	3.13E-01	3.64E-05	1.86E-03	2.49E-03	3.18E-01	3.27E-01	3.72E-01	1.70E-01	8.52E-02	9.55E-01	3.26E-01	4.26E-05	1.86E-03	2.49E-03	3.31E-01
3975	488863.09	3853877.25	3.73E-01	3.54E-05	2.14E-03	2.91E-03	3.78E-01	3.89E-01	3.62E-01	1.95E-01	9.95E-02	1.05E+00	3.89E-01	4.15E-05	2.14E-03	2.91E-03	3.94E-01
3976	489363.09	3853877.25	3.18E-01	3.13E-05	2.77E-03	3.12E-03	3.24E-01	3.32E-01	3.20E-01	2.53E-01	1.07E-01	1.01E+00	3.31E-01	3.66E-05	2.77E-03	3.12E-03	3.37E-01
3977	489863.09	3853877.25	3.38E-01	3.74E-05	2.18E-03	3.29E-03	3.44E-01	3.53E-01	3.82E-01	1.99E-01	1.13E-01	1.05E+00	3.52E-01	4.37E-05	2.18E-03	3.29E-03	3.58E-01
3978	490363.09	3853877.25	3.22E-01	3.67E-05	2.25E-03	3.29E-03	3.27E-01	3.36E-01	3.75E-01	2.06E-01	1.12E-01	1.03E+00	3.35E-01	4.30E-05	2.25E-03	3.29E-03	3.41E-01
3979	490863.09	3853877.25	3.30E-01	3.51E-05	2.77E-03	3.35E-03	3.36E-01	3.44E-01	3.58E-01	2.52E-01	1.14E-01	1.07E+00	3.43E-01	4.10E-05	2.77E-03	3.35E-03	3.49E-01
3980	491363.09	3853877.25	3.49E-01	3.62E-05	3.23E-03	3.28E-03	3.55E-01	3.64E-01	3.70E-01	2.95E-01	1.12E-01	1.14E+00	3.63E-01	4.23E-05	3.23E-03	3.28E-03	3.70E-01
3981	491863.09	3853877.25	3.69E-01	3.46E-05	4.98E-03	3.03E-03	3.77E-01	3.85E-01	3.54E-01	4.54E-01	1.04E-01	1.30E+00	3.84E-01	4.05E-05	4.98E-03	3.03E-03	3.92E-01
3982	492363.09	3853877.25	4.27E-01	3.63E-05	5.88E-03	2.95E-03	4.36E-01	4.46E-01	3.71E-01	5.36E-01	1.01E-01	1.45E+00	4.45E-01	4.25E-05	5.88E-03	2.95E-03	4.54E-01
3983	492863.09	3853877.25	4.59E-01	3.89E-05	6.62E-03	3.19E-03	4.69E-01	4.79E-01	3.98E-01	6.04E-01	1.09E-01	1.59E+00	4.78E-01	4.56E-05	6.62E-03	3.19E-03	4.88E-01
3984	493363.09	3853877.25	4.36E-01	3.64E-05	6.49E-03	3.36E-03	4.46E-01	4.55E-01	3.72E-01	5.92E-01	1.15E-01	1.53E+00	4.54E-01	4.26E-05	6.49E-03	3.36E-03	4.64E-01
3985	493863.09	3853877.25	3.98E-01	3.33E-05	6.24E-03	3.31E-03	4.08E-01	4.15E-01	3.40E-01	5.69E-01	1.13E-01	1.44E+00	4.14E-01	3.89E-05	6.24E-03	3.31E-03	4.24E-01
3986	494363.09	3853877.25	3.75E-01	3.07E-05	6.28E-03	3.07E-03	3.84E-01	3.91E-01	3.14E-01	5.72E-01	1.05E-01	1.38E+00	3.90E-01	3.59E-05	6.28E-03	3.07E-03	4.00E-01
3987	494863.09	3853877.25	3.18E-01	2.89E-05	5.87E-03	2.79E-03	3.27E-01	3.32E-01	2.95E-01	5.35E-01	9.55E-02	1.26E+00	3.31E-01	3.38E-05	5.87E-03	2.79E-03	3.40E-01
3988	495363.09	3853877.25	2.07E-01	2.47E-05	6.31E-03	2.52E-03	2.16E-01	2.16E-01	2.52E-01	5.75E-01	8.61E-02	1.13E+00	2.16E-01	2.89E-05	6.31E-03	2.52E-03	2.25E-01
3989	495863.09	3853877.25	1.57E-01	2.23E-05	6.09E-03	2.33E-03	1.66E-01	1.64E-01	2.28E-01	5.55E-01	7.98E-02	1.03E+00	1.64E-01	2.61E-05	6.09E-03	2.33E-03	1.72E-01
3990	496363.09	3853877.25	1.37E-01	2.19E-05	6.40E-03	2.22E-03	1.46E-01	1.43E-01	2.24E-01	5.84E-01	7.61E-02	1.03E+00	1.43E-01	2.57E-05	6.40E-03	2.22E-03	1.52E-01
3991	496863.09	3853877.25	1.20E-01	2.13E-05	6.93E-03	2.12E-03	1.29E-01	1.25E-01	2.18E-01	6.32E-01	7.26E-02	1.05E+00	1.25E-01	2.50E-05	6.93E-03	2.12E-03	1.34E-01
3992	497363.09	3853877.25	1.14E-01	1.98E-05	7.31E-03	2.07E-03	1.23E-01	1.19E-01	2.03E-01	6.67E-01	7.07E-02	1.06E+00	1.19E-01	2.32E-05	7.31E-03	2.07E-03	1.28E-01
3993	497863.09	3853877.25	1.04E-01	1.78E-05	6.84E-03	1.85E-03	1.13E-01	1.09E-01	1.82E-01	6.24E-01	6.34E-02	9.79E-01	1.09E-01	2.09E-05	6.84E-03	1.85E-03	1.17E-01
3994	498363.09	3853877.25	9.77E-02	1.60E-05	6.72E-03	1.52E-03	1.06E-01	1.02E-01	1.63E-01	6.13E-01	5.21E-02	9.30E-01	1.02E-01	1.87E-05	6.72E-03	1.52E-03	1.10E-01
3995	471363.09	3854377.25	3.47E-01	4.38E-05	1.05E-03	1.05E-03	3.49E-01	3.62E-01	4.48E-01	9.59E-02	3.60E-02	9.42E-01	3.62E-01	5.12E-05	1.05E-03	1.05E-03	3.64E-01
3996	471863.09	3854377.25	3.86E-01	5.07E-05	1.09E-03	1.13E-03	3.88E-01	4.02E-01	5.17E-01	9.92E-02	3.86E-02	1.06E+00	4.02E-01	5.93E-05	1.09E-03	1.13E-03	4.04E-01
3997	472363.09	3854377.25	3.94E-01	5.22E-05	1.08E-03	1.17E-03	3.97E-01	4.11E-01	5.33E-01	9.81E-02	4.02E-02	1.08E+00	4.11E-01	6.10E-05	1.08E-03	1.17E-03	4.13E-01
3998	472863.09	3854377.25	4.07E-01	5.27E-05	1.05E-03	1.21E-03	4.09E-01	4.24E-01	5.39E-01	9.56E-02	4.13E-02	1.10E+00	4.23E-01	6.17E-05	1.05E-03	1.21E-03	4.26E-01
3999	473363.09	3854377.25	4.48E-01	5.39E-05	1.02E-03	1.25E-03	4.50E-01	4.68E-01	5.51E-01	9.34E-02	4.26E-02	1.15E+00	4.67E-01	6.31E-05	1.02E-03	1.25E-03	4.69E-01
4000	473863.09	3854377.25	4.91E-01	5.74E-05	1.01E-03	1.30E-03	4.93E-01	5.12E-01	5.86E-01	9.22E-02	4.45E-02	1.24E+00	5.11E-01	6.71E-05	1.01E-03	1.30E-03	5.14E-01
4001	474363.09	3854377.25	5.39E-01	6.05E-05	1.03E-03	1.35E-03	5.41E-01	5.62E-01	6.18E-01	9.42E-02	4.61E-02	1.32E+00	5.61E-01	7.07E-05	1.03E-03	1.35E-03	5.64E-01
4002	474863.09	3854377.25	5.24E-01	5.37E-05	1.05E-03	1.34E-03	5.26E-01	5.46E-01	5.48E-01	9.55E-02	4.58E-02	1.24E+00	5.45E-01	6.28E-05	1.05E-03	1.34E-03	5.48E-01
4003	475363.09	3854377.25	4.13E-01	4.42E-05	1.05E-03	1.38E-03	4.16E-01	4.31E-01	4.52E-01	9.60E-02	4.72E-02	1.03E+00	4.30E-01	5.18E-05	1.05E-03	1.38E-03	4.33E-01
4004	475863.09	3854377.25	2.22E-01	3.32E-05	1.23E-03	1.43E-03	2.24E-01	2.31E-01	3.39E-01	1.13E-01	4.88E-02	7.32E-01	2.31E-01	3.88E-05	1.23E-03	1.43E-03	2.33E-01
4005	476363.09	3854377.25	1.84E-01	3.20E-05	1.26E-03	1.36E-03	1.86E-01	1.92E-01	3.27E-01	1.15E-01	4.66E-02	6.80E-01	1.91E-01	3.75E-05	1.26E-03	1.36E-03	1.94E-01
4006	476863.09	3854377.25	1.71E-01	3.24E-05	1.28E-03	1.37E-03	1.74E-01	1.78E-01	3.31E-01	1.17E-01	4.70E-02	6.73E-01	1.78E-01	3.79E-05	1.28E-03	1.37E-03	1.81E-01
4007	477363.09	3854377.25	1.63E-01	3.27E-05	1.32E-03	1.40E-03	1.66E-01	1.71E-01	3.34E-01	1.20E-01	4.78E-02	6.72E-01	1.70E-01	3.82E-05	1.32E-03	1.40E-03	1.73E-01
4008	477863.09	3854377.25	1.70E-01	3.39E-05	1.31E-03	1.45E-03	1.73E-01	1.78E-01	3.46E-01	1.20E-01	4.95E-02	6.93E-01	1.78E-01	3.96E-05	1.31E-03	1.45E-03	1.80E-01
4009	478363.09	3854377.25	1.98E-01	4.02E-05	1.38E-03	1.44E-03	2.01E-01	2.07E-01	4.11E-01	1.26E-01	4.91E-02	7.92E-01	2.07E-01	4.70E-05	1.38E-03	1.44E-03	2.09E-01
4010	478863.09	3854377.25	2.17E-01	4.78E-05	1.30E-03	1.41E-03	2.20E-01	2.26E-01	4.88E-01	1.19E-01	4.82E-02	8.81E-01	2.26E-01	5.59E-05	1.30E-03	1.41E-03	2.29E-01
4011	479363.09	3854377.25	3.52E-01	6.96E-05	1.22E-03	1.58E-03	3.55E-01	3.67E-01	7.12E-01	1.11E-01	5.42E-02	1.24E+00	3.66E-01	8.15E-05	1.22E-03	1.58E-03	3.69E-01
4012	479863.09	3854377.25	5.02E-01	8.76E-05	1.10E-03	1.53E-03	5.04E-01	5.24E-01	8.95E-01	1.00E-01	5.24E-02	1.57E+00	5.22E-01	1.02E-04	1.10E-03	1.53E-03	5.25E-01
4013	480363.09	3854377.25	8.08E-01	1.22E-04	1.16E-03	1.66E-03	8.11E-01	8.43E-01	1.25E+00	1.05E-01	5.69E-02	2.25E+00	8.41E-01	1.43E-04	1.16E-03	1.66E-03	8.44E-01
4014	480863.09	3854377.25	1.41E+00	2.07E-04	1.26E-03	1.67E-03	1.41E+00	1.47E+00	2.11E+00	1.14E-01	5.73E-02	3.75E+00	1.47E+00	2.42E-04	1.26E-03	1.67E-03	1.47E+00
4015	481363.09	3854377.25	1.94E+00	3.38E-04	1.11E-03	1.58E-03	1.95E+00	2.03E+00	3.46E+00	1.01E-01	5.42E-02	5.64E+00	2.02E+00	3.96E-04	1.11E-03	1.58E-03	2.03E+00
4016	481863.09	3854377.25	2.07E+00	7.65E-04	1.17E-03	1.70E-03	2.07E+00	2.16E+00	7.82E+00	1.07E-01	5.82E-02	1.01E+01	2.15E+00	8.95E-04	1.17E-03	1.70E-03	2.16E+00
4017	482363.09	3854377.25	2.36E+00	8.43E-04	1.00E-03	2.19E-03	2.36E+00	2.46E+00	8.61E+00	9.13E-02	7.48E-02	1.12E+01	2.45E+00	9.86E-04	1.00E-03	2.19E-03	2.46E+00
4018	482863.09	3854377.25	2.59E+00	4.74E-04	9.42E-04	3.41E-03	2.60E+00	2.70E+00	4.84E+00	8.59E-02	1.16E-01	7.74E+00	2.70E+00	5.54E-04	9.42E-04	3.41E-03	2.70E+00
4019	483363.09	3854377.25	3.54E+00	2.74E-04	9.86E-04	2.58E-03	3.54E+00	3.69E+00	2.80E+00	8.99E-02	8.82E-02	6.67E+00	3.68E+00	3.20E-04	9.86E-04	2.58E-03	3.69E+00
4020	483863.09	3854377.25	4.75E+00	1.52E-04	9.71E-04	2.57E-03	4.75E+00	4.95E+00	1.55E+00	8.85E-02	8.80E-02	6.68E+00	4.94E+00	1.77E-04	9.71E-04	2.57E-03	4.95E+00
4021	484363.09	3854377.25	3.06E+00	9.14E-05	1.13E-03	3.43E-03	3.06E+00	3.19E+00	9.34E-01	1.03E-01	1.17E-01	4.34E+00	3.18E+00	1.07E-04	1.13E-03	3.43E-03	3.19E+00
4022	484863.09	3854377.25	9.31E-01	5.59E-05	1.24E-03	3.46E-03	9.36E-01	9.72E-01	5.71E-01	1.13E-01	1.18E-01	1.77E+00	9.70E-01	6.54E-05	1.24E-03	3.46E-03	9.74E-01

4023	485363.09	3854377.25	9.60E-01	6.04E-05	1.41E-03	3.31E-03	9.64E-01	1.00E+00	6.17E-01	1.29E-01	1.13E-01	1.86E+00	9.99E-01	7.06E-05	1.41E-03	3.31E-03	1.00E+00
4024	485863.09	3854377.25	4.62E-01	4.40E-05	1.71E-03	3.47E-03	4.68E-01	4.82E-01	4.49E-01	1.56E-01	1.19E-01	1.21E+00	4.81E-01	5.14E-05	1.71E-03	3.47E-03	4.87E-01
4025	486363.09	3854377.25	4.48E-01	4.16E-05	1.57E-03	3.36E-03	4.53E-01	4.67E-01	4.25E-01	1.43E-01	1.15E-01	1.15E+00	4.66E-01	4.87E-05	1.57E-03	3.36E-03	4.71E-01
4026	486863.09	3854377.25	3.49E-01	3.88E-05	2.01E-03	3.43E-03	3.55E-01	3.65E-01	3.96E-01	1.83E-01	1.17E-01	1.06E+00	3.64E-01	4.54E-05	2.01E-03	3.43E-03	3.69E-01
4027	487363.09	3854377.25	3.67E-01	4.24E-05	2.23E-03	3.35E-03	3.72E-01	3.83E-01	4.33E-01	2.03E-01	1.14E-01	1.13E+00	3.82E-01	4.96E-05	2.23E-03	3.35E-03	3.88E-01
4028	487863.09	3854377.25	4.55E-01	4.34E-05	1.98E-03	3.48E-03	4.60E-01	4.74E-01	4.44E-01	1.81E-01	1.19E-01	1.22E+00	4.73E-01	5.08E-05	1.98E-03	3.48E-03	4.79E-01
4029	488363.09	3854377.25	5.36E-01	4.77E-05	2.20E-03	3.78E-03	5.42E-01	5.60E-01	4.87E-01	2.01E-01	1.29E-01	1.38E+00	5.59E-01	5.58E-05	2.20E-03	3.78E-03	5.65E-01
4030	488863.09	3854377.25	6.07E-01	4.50E-05	2.48E-03	4.21E-03	6.13E-01	6.33E-01	4.60E-01	2.26E-01	1.44E-01	1.46E+00	6.32E-01	5.27E-05	2.48E-03	4.21E-03	6.39E-01
4031	489363.09	3854377.25	6.39E-01	4.27E-05	3.17E-03	3.99E-03	6.46E-01	6.67E-01	4.37E-01	2.89E-01	1.37E-01	1.53E+00	6.66E-01	5.00E-05	3.17E-03	3.99E-03	6.73E-01
4032	489863.09	3854377.25	6.31E-01	4.67E-05	2.86E-03	4.17E-03	6.39E-01	6.59E-01	4.77E-01	2.61E-01	1.43E-01	1.54E+00	6.58E-01	5.46E-05	2.86E-03	4.17E-03	6.65E-01
4033	490363.09	3854377.25	5.99E-01	4.22E-05	2.82E-03	4.12E-03	6.06E-01	6.25E-01	4.31E-01	2.57E-01	1.41E-01	1.45E+00	6.24E-01	4.93E-05	2.82E-03	4.12E-03	6.31E-01
4034	490863.09	3854377.25	3.29E-01	3.50E-05	3.33E-03	3.69E-03	3.36E-01	3.44E-01	3.57E-01	3.03E-01	1.26E-01	1.13E+00	3.43E-01	4.09E-05	3.33E-03	3.69E-03	3.50E-01
4035	491363.09	3854377.25	4.78E-01	3.71E-05	5.47E-03	3.75E-03	4.88E-01	4.99E-01	3.79E-01	4.99E-01	1.28E-01	1.51E+00	4.98E-01	4.34E-05	5.47E-03	3.75E-03	5.08E-01
4036	491863.09	3854377.25	6.03E-01	4.32E-05	6.58E-03	3.98E-03	6.13E-01	6.29E-01	4.41E-01	6.00E-01	1.36E-01	1.81E+00	6.28E-01	5.05E-05	6.58E-03	3.98E-03	6.38E-01
4037	492363.09	3854377.25	6.43E-01	4.53E-05	7.56E-03	3.88E-03	6.55E-01	6.71E-01	4.63E-01	6.90E-01	1.33E-01	1.96E+00	6.70E-01	5.30E-05	7.56E-03	3.88E-03	6.82E-01
4038	492863.09	3854377.25	6.17E-01	4.45E-05	6.36E-03	3.83E-03	6.27E-01	6.43E-01	4.55E-01	5.80E-01	1.31E-01	1.81E+00	6.42E-01	5.21E-05	6.36E-03	3.83E-03	6.52E-01
4039	493363.09	3854377.25	5.53E-01	4.05E-05	6.71E-03	3.76E-03	5.63E-01	5.77E-01	4.14E-01	6.12E-01	1.29E-01	1.73E+00	5.76E-01	4.74E-05	6.71E-03	3.76E-03	5.86E-01
4040	493863.09	3854377.25	4.97E-01	3.60E-05	6.74E-03	3.48E-03	5.07E-01	5.19E-01	3.67E-01	6.15E-01	1.19E-01	1.62E+00	5.18E-01	4.21E-05	6.74E-03	3.48E-03	5.28E-01
4041	494363.09	3854377.25	4.41E-01	3.43E-05	7.42E-03	3.43E-03	4.52E-01	4.60E-01	3.50E-01	6.77E-01	1.17E-01	1.60E+00	4.59E-01	4.01E-05	7.42E-03	3.43E-03	4.70E-01
4042	494863.09	3854377.25	2.44E-01	2.74E-05	8.93E-03	2.80E-03	2.56E-01	2.55E-01	2.80E-01	8.15E-01	9.57E-02	1.45E+00	2.54E-01	3.20E-05	8.93E-03	2.80E-03	2.66E-01
4043	495363.09	3854377.25	1.53E-01	2.33E-05	7.22E-03	2.45E-03	1.63E-01	1.60E-01	2.39E-01	6.59E-01	8.38E-02	1.14E+00	1.59E-01	2.73E-05	7.22E-03	2.45E-03	1.69E-01
4044	495863.09	3854377.25	1.25E-01	2.37E-05	8.20E-03	2.31E-03	1.36E-01	1.31E-01	2.42E-01	7.47E-01	7.90E-02	1.20E+00	1.30E-01	2.77E-05	8.20E-03	2.31E-03	1.41E-01
4045	496363.09	3854377.25	1.23E-01	2.17E-05	8.61E-03	2.21E-03	1.34E-01	1.29E-01	2.22E-01	7.86E-01	7.55E-02	1.21E+00	1.28E-01	2.54E-05	8.61E-03	2.21E-03	1.39E-01
4046	496863.09	3854377.25	1.18E-01	2.07E-05	8.21E-03	2.12E-03	1.28E-01	1.23E-01	2.11E-01	7.49E-01	7.24E-02	1.16E+00	1.22E-01	2.42E-05	8.21E-03	2.12E-03	1.33E-01
4047	497363.09	3854377.25	1.02E-01	1.90E-05	8.70E-03	1.83E-03	1.12E-01	1.06E-01	1.94E-01	7.93E-01	6.27E-02	1.16E+00	1.06E-01	2.22E-05	8.70E-03	1.83E-03	1.16E-01
4048	497863.09	3854377.25	1.04E-01	2.01E-05	8.98E-03	1.87E-03	1.15E-01	1.08E-01	2.06E-01	8.19E-01	6.39E-02	1.20E+00	1.08E-01	2.36E-05	8.98E-03	1.87E-03	1.19E-01
4049	498363.09	3854377.25	9.87E-02	1.84E-05	7.74E-03	1.57E-03	1.08E-01	1.03E-01	1.88E-01	7.06E-01	5.36E-02	1.05E+00	1.03E-01	2.15E-05	7.74E-03	1.57E-03	1.12E-01
4050	471363.09	3854877.25	3.55E-01	4.63E-05	8.31E-04	1.01E-03	3.57E-01	3.70E-01	4.73E-01	7.58E-02	3.46E-02	9.53E-01	3.69E-01	5.41E-05	8.31E-04	1.01E-03	3.71E-01
4051	471863.09	3854877.25	4.03E-01	4.89E-05	8.53E-04	1.06E-03	4.05E-01	4.21E-01	5.00E-01	7.78E-02	3.64E-02	1.03E+00	4.20E-01	5.72E-05	8.53E-04	1.06E-03	4.22E-01
4052	472363.09	3854877.25	4.26E-01	4.99E-05	8.92E-04	1.09E-03	4.28E-01	4.44E-01	5.10E-01	8.14E-02	3.73E-02	1.07E+00	4.43E-01	5.84E-05	8.92E-04	1.09E-03	4.45E-01
4053	472863.09	3854877.25	4.35E-01	5.09E-05	1.03E-03	1.12E-03	4.38E-01	4.54E-01	5.20E-01	9.35E-02	3.85E-02	1.11E+00	4.53E-01	5.95E-05	1.03E-03	1.12E-03	4.56E-01
4054	473363.09	3854877.25	4.74E-01	5.46E-05	1.19E-03	1.16E-03	4.77E-01	4.95E-01	5.57E-01	1.09E-01	3.96E-02	1.20E+00	4.94E-01	6.38E-05	1.19E-03	1.16E-03	4.96E-01
4055	473863.09	3854877.25	5.01E-01	5.82E-05	1.29E-03	1.19E-03	5.03E-01	5.22E-01	5.94E-01	1.18E-01	4.09E-02	1.28E+00	5.21E-01	6.80E-05	1.29E-03	1.19E-03	5.24E-01
4056	474363.09	3854877.25	5.41E-01	6.37E-05	1.31E-03	1.26E-03	5.43E-01	5.64E-01	6.50E-01	1.20E-01	4.32E-02	1.38E+00	5.63E-01	7.45E-05	1.31E-03	1.26E-03	5.66E-01
4057	474863.09	3854877.25	4.31E-01	4.67E-05	1.29E-03	1.33E-03	4.34E-01	4.50E-01	4.77E-01	1.17E-01	4.54E-02	1.09E+00	4.49E-01	5.47E-05	1.29E-03	1.33E-03	4.52E-01
4058	475363.09	3854877.25	2.80E-01	3.67E-05	1.25E-03	1.29E-03	2.82E-01	2.92E-01	3.75E-01	1.14E-01	4.42E-02	8.25E-01	2.91E-01	4.30E-05	1.25E-03	1.29E-03	2.94E-01
4059	475863.09	3854877.25	1.79E-01	3.01E-05	1.19E-03	1.33E-03	1.82E-01	1.87E-01	3.08E-01	1.09E-01	4.56E-02	6.50E-01	1.87E-01	3.53E-05	1.19E-03	1.33E-03	1.89E-01
4060	476363.09	3854877.25	1.06E-01	2.34E-05	1.17E-03	1.40E-03	1.09E-01	1.11E-01	2.39E-01	1.07E-01	4.80E-02	5.05E-01	1.11E-01	2.74E-05	1.17E-03	1.40E-03	1.13E-01
4061	476863.09	3854877.25	1.03E-01	2.30E-05	1.19E-03	1.51E-03	1.06E-01	1.08E-01	2.35E-01	1.08E-01	5.16E-02	5.03E-01	1.08E-01	2.69E-05	1.19E-03	1.51E-03	1.10E-01
4062	477363.09	3854877.25	1.26E-01	2.74E-05	1.38E-03	1.55E-03	1.29E-01	1.31E-01	2.80E-01	1.26E-01	5.29E-02	5.90E-01	1.31E-01	3.21E-05	1.38E-03	1.55E-03	1.34E-01
4063	477863.09	3854877.25	1.47E-01	3.01E-05	1.48E-03	1.57E-03	1.50E-01	1.54E-01	3.08E-01	1.35E-01	5.37E-02	6.50E-01	1.53E-01	3.53E-05	1.48E-03	1.57E-03	1.56E-01
4064	478363.09	3854877.25	1.97E-01	3.78E-05	1.62E-03	1.62E-03	2.00E-01	2.06E-01	3.86E-01	1.48E-01	5.52E-02	7.95E-01	2.05E-01	4.42E-05	1.62E-03	1.62E-03	2.09E-01
4065	478863.09	3854877.25	2.87E-01	4.97E-05	1.62E-03	1.67E-03	2.90E-01	2.99E-01	5.08E-01	1.47E-01	5.73E-02	1.01E+00	2.99E-01	5.82E-05	1.62E-03	1.67E-03	3.02E-01
4066	479363.09	3854877.25	4.61E-01	6.71E-05	1.70E-03	1.77E-03	4.64E-01	4.81E-01	6.86E-01	1.55E-01	6.07E-02	1.38E+00	4.80E-01	7.85E-05	1.70E-03	1.77E-03	4.83E-01
4067	479863.09	3854877.25	7.59E-01	9.69E-05	1.67E-03	1.82E-03	7.63E-01	7.92E-01	9.90E-01	1.52E-01	6.23E-02	2.00E+00	7.90E-01	1.13E-04	1.67E-03	1.82E-03	7.94E-01
4068	480363.09	3854877.25	1.10E+00	1.34E-04	1.57E-03	1.83E-03	1.11E+00	1.15E+00	1.37E+00	1.43E-01	6.27E-02	2.73E+00	1.15E+00	1.57E-04	1.57E-03	1.83E-03	1.15E+00
4069	480863.09	3854877.25	1.64E+00	2.20E-04	1.49E-03	1.92E-03	1.65E+00	1.71E+00	2.25E+00	1.36E-01	6.55E-02	4.16E+00	1.71E+00	2.57E-04	1.49E-03	1.92E-03	1.71E+00
4070	481363.09	3854877.25	1.99E+00	2.86E-04	1.37E-03	2.12E-03	2.00E+00	2.08E+00	2.92E+00	1.25E-01	7.24E-02	5.20E+00	2.08E+00	3.35E-04	1.37E-03	2.12E-03	2.08E+00
4071	481863.09	3854877.25	2.10E+00	3.06E-04	1.57E-03	2.27E-03	2.10E+00	2.19E+00	3.12E+00	1.43E-01	7.77E-02	5.54E+00	2.19E+00	3.58E-04	1.57E-03	2.27E-03	2.19E+00
4072	482363.09	3854877.25	2.44E+00	1.00E-03	1.36E-03	2.66E-03	2.44E+00	2.54E+00	1.03E+01	1.24E-01	9.09E-02	1.30E+01	2.54E+00	1.17E-03	1.36E-03	2.66E-03	2.54E+00
4073	482863.09	3854877.25	2.71E+00	9.22E-04	1.33E-03	6.32E-03	2.72E+00	2.83E+00	9.42E+00	1.22E-01	2.16E-01	1.26E+01	2.82E+00	1.08E-03	1.33E-03	6.32E-03	2.83E+00
4074	483363.09	3854877.25	2.55E+00	4.52E-04	1.15E-03	8.49E-03	2.56E+00	2.66E+00	4.62E+00	1.05E-01	2.91E-01	7.68E+00	2.66E+00	5.29E-04	1.15E-03	8.49E-03	2.67E+00
4075	483863.09	3854877.25	4.50E+00	2.63E-04	1.14E-03	7.21E-03	4.51E+00	4.70E+00	2.69E+00	1.04E-01	2.47E-01	7.74E+00	4.69E+00	3.08E-04	1.14E-03	7.21E-03	4.70E+00
4076	484363.09	3854877.25	5.18E+00	1.33E-04	1.12E-03	6.06E-03	5.19E+00	5.40E+00	1.36E+00	1.02E-01	2.07E-01	7.07E+00	5.39E+00	1.55E-04	1.12E-03	6.06E-03	5.40E+00
4077	484863.09	3854877.25	4.14E+00	1.14E-04	1.36E-03	4.66E-03	4.15E+00	4.32E+00	1.17E+00	1.24E-01	1.59E-01	5.77E+00	4.31E+00	1.34E-04	1.36E-03	4.66E-03	4.32E+00
4078	485363.09	3854877.25	2.00E+00	8.78E-05	1.46E-03	4.80E-03	2.00E+00	2.08E+00	8.97E-01	1.33E-01	1.64E-01	3.28E+00	2.08E+00	1.03E-04	1.46E-03	4.80E-03	2.09E+00
4079	485863.09	3854877.25	1.11E+00	6.56E-05	1.64E-03	4.38E-03	1.12E+00	1.16E+00	6.70E-01	1.50E-01	1.50E-01	2.13E+00	1.16E+00	7.67E-05	1.64E-03	4.38E-03	1.16E+00
4080	486363.09	3854877.25	7.10E-01	5.33E-05	2.15E-03	4.28E-03	7.17E-01	7.41E-01	5.45E-01	1.96E-01	1.46E-01	1.63E+00	7.40E-01	6.24E-05	2.15E-03	4.28E-03	7.46E-01
4081	486863.09	3854877.25	5.64E-01	5.15E-05	2.03E-03	4.70E-03	5.71E-01	5.89E-01	5.26E-01	1.85E-01	1.61E-01	1.46E+00	5.88E-01	6.02E-05	2.03E-03	4.70E-03	5.94E-01
4082	487363.09	3854877.25	6.84E-01	5.38E-05	2.88E-03	4.74E-03	6.91E-01	7.13E-01	5.49E-01	2.63E-01	1.62E-01	1.69E+00	7.12E-01	6.29E-05	2.88E-03	4.74E-03	7.19E-01
4083	487863.09	3854877.25	8.30E-01	5.33E-05	2.41E-03	4.67E-03	8.38E-01	8.66E-01	5.44E-01	2.20E-01	1.60E-01	1.79E+00	8.65E-01	6.23E-05	2.41E-03	4.67E-03	8.72E-01

4084	488363.09	3854877.25	9.55E-01	5.99E-05	2.59E-03	4.82E-03	9.62E-01	9.96E-01	6.12E-01	2.36E-01	1.65E-01	2.01E+00	9.94E-01	7.00E-05	2.59E-03	4.82E-03	1.00E+00
4085	488863.09	3854877.25	1.10E+00	5.57E-05	3.16E-03	4.96E-03	1.11E+00	1.15E+00	5.69E-01	2.88E-01	1.70E-01	2.17E+00	1.14E+00	6.51E-05	3.16E-03	4.96E-03	1.15E+00
4086	489363.09	3854877.25	1.10E+00	6.48E-05	2.94E-03	4.84E-03	1.10E+00	1.14E+00	6.62E-01	2.68E-01	1.65E-01	2.24E+00	1.14E+00	7.58E-05	2.94E-03	4.84E-03	1.15E+00
4087	489863.09	3854877.25	9.43E-01	5.85E-05	3.08E-03	4.54E-03	9.50E-01	9.84E-01	5.98E-01	2.81E-01	1.55E-01	2.02E+00	9.82E-01	6.84E-05	3.08E-03	4.54E-03	9.89E-01
4088	490363.09	3854877.25	4.12E-01	4.01E-05	3.75E-03	4.29E-03	4.20E-01	4.30E-01	4.10E-01	3.42E-01	1.47E-01	1.33E+00	4.29E-01	4.69E-05	3.75E-03	4.29E-03	4.37E-01
4089	490863.09	3854877.25	2.30E-01	3.10E-05	5.79E-03	3.21E-03	2.39E-01	2.40E-01	3.17E-01	5.28E-01	1.10E-01	1.19E+00	2.39E-01	3.63E-05	5.79E-03	3.21E-03	2.48E-01
4090	491363.09	3854877.25	2.53E-01	3.34E-05	7.63E-03	3.39E-03	2.64E-01	2.64E-01	3.41E-01	6.96E-01	1.16E-01	1.42E+00	2.63E-01	3.90E-05	7.63E-03	3.39E-03	2.75E-01
4091	491863.09	3854877.25	8.14E-01	5.20E-05	9.18E-03	4.16E-03	8.28E-01	8.50E-01	5.31E-01	8.37E-01	1.42E-01	2.36E+00	8.48E-01	6.08E-05	9.18E-03	4.16E-03	8.62E-01
4092	492363.09	3854877.25	8.32E-01	5.77E-05	7.93E-03	4.43E-03	8.45E-01	8.68E-01	5.89E-01	7.23E-01	1.52E-01	2.33E+00	8.67E-01	6.75E-05	7.93E-03	4.43E-03	8.79E-01
4093	492863.09	3854877.25	7.65E-01	5.17E-05	7.98E-03	4.46E-03	7.77E-01	7.98E-01	5.28E-01	7.28E-01	1.52E-01	2.21E+00	7.97E-01	6.04E-05	7.98E-03	4.46E-03	8.09E-01
4094	493363.09	3854877.25	6.60E-01	4.46E-05	8.20E-03	4.47E-03	6.73E-01	6.89E-01	4.56E-01	7.48E-01	1.53E-01	2.05E+00	6.88E-01	5.22E-05	8.20E-03	4.47E-03	7.00E-01
4095	493863.09	3854877.25	5.89E-01	4.12E-05	1.05E-02	4.26E-03	6.04E-01	6.15E-01	4.21E-01	9.54E-01	1.46E-01	2.14E+00	6.13E-01	4.82E-05	1.05E-02	4.26E-03	6.28E-01
4096	494363.09	3854877.25	2.79E-01	2.97E-05	1.00E-02	3.20E-03	2.93E-01	2.91E-01	3.03E-01	9.14E-01	1.10E-01	1.62E+00	2.91E-01	3.47E-05	1.00E-02	3.20E-03	3.04E-01
4097	494863.09	3854877.25	1.52E-01	2.58E-05	9.74E-03	2.53E-03	1.65E-01	1.59E-01	2.63E-01	8.89E-01	8.64E-02	1.40E+00	1.59E-01	3.01E-05	9.74E-03	2.53E-03	1.71E-01
4098	495363.09	3854877.25	1.28E-01	2.27E-05	9.86E-03	2.20E-03	1.40E-01	1.33E-01	2.32E-01	9.00E-01	7.53E-02	1.34E+00	1.33E-01	2.66E-05	9.86E-03	2.20E-03	1.45E-01
4099	495863.09	3854877.25	1.18E-01	2.12E-05	9.82E-03	2.08E-03	1.30E-01	1.23E-01	2.17E-01	8.95E-01	7.13E-02	1.31E+00	1.22E-01	2.48E-05	9.82E-03	2.08E-03	1.34E-01
4100	496363.09	3854877.25	1.06E-01	1.87E-05	9.94E-03	1.82E-03	1.18E-01	1.10E-01	1.91E-01	9.07E-01	6.21E-02	1.27E+00	1.10E-01	2.19E-05	9.94E-03	1.82E-03	1.22E-01
4101	496863.09	3854877.25	9.86E-02	1.85E-05	8.85E-03	1.66E-03	1.09E-01	1.03E-01	1.89E-01	8.07E-01	5.67E-02	1.16E+00	1.03E-01	2.16E-05	8.85E-03	1.66E-03	1.13E-01
4102	497363.09	3854877.25	9.18E-02	1.87E-05	9.01E-03	1.62E-03	1.02E-01	9.58E-02	1.91E-01	8.21E-01	5.55E-02	1.16E+00	9.56E-02	2.19E-05	9.01E-03	1.62E-03	1.06E-01
4103	497863.09	3854877.25	9.49E-02	1.91E-05	9.75E-03	1.67E-03	1.06E-01	9.90E-02	1.95E-01	8.89E-01	5.73E-02	1.24E+00	9.88E-02	2.23E-05	9.75E-03	1.67E-03	1.10E-01
4104	498363.09	3854877.25	9.35E-02	1.87E-05	9.41E-03	1.71E-03	1.05E-01	9.75E-02	1.91E-01	8.58E-01	5.86E-02	1.20E+00	9.74E-02	2.19E-05	9.41E-03	1.71E-03	1.08E-01
4105	471363.09	3855377.25	3.83E-01	5.03E-05	7.76E-04	1.06E-03	3.85E-01	4.00E-01	5.14E-01	7.08E-02	3.63E-02	1.02E+00	3.99E-01	5.88E-05	7.76E-04	1.06E-03	4.01E-01
4106	471863.09	3855377.25	3.94E-01	4.96E-05	8.30E-04	1.12E-03	3.96E-01	4.11E-01	5.07E-01	7.57E-02	3.82E-02	1.03E+00	4.10E-01	5.80E-05	8.30E-04	1.12E-03	4.12E-01
4107	472363.09	3855377.25	4.23E-01	5.31E-05	8.66E-04	1.18E-03	4.25E-01	4.42E-01	5.43E-01	7.89E-02	4.05E-02	1.10E+00	4.41E-01	6.22E-05	8.66E-04	1.18E-03	4.43E-01
4108	472863.09	3855377.25	4.31E-01	5.43E-05	8.94E-04	1.22E-03	4.33E-01	4.50E-01	5.55E-01	8.15E-02	4.17E-02	1.13E+00	4.49E-01	6.36E-05	8.94E-04	1.22E-03	4.51E-01
4109	473363.09	3855377.25	4.74E-01	5.85E-05	9.22E-04	1.25E-03	4.76E-01	4.94E-01	5.98E-01	8.40E-02	4.29E-02	1.22E+00	4.93E-01	6.84E-05	9.22E-04	1.25E-03	4.96E-01
4110	473863.09	3855377.25	5.09E-01	6.06E-05	9.46E-04	1.29E-03	5.11E-01	5.31E-01	6.19E-01	8.63E-02	4.40E-02	1.28E+00	5.30E-01	7.09E-05	9.46E-04	1.29E-03	5.32E-01
4111	474363.09	3855377.25	5.37E-01	6.21E-05	9.77E-04	1.31E-03	5.39E-01	5.60E-01	6.34E-01	8.91E-02	4.48E-02	1.33E+00	5.59E-01	7.26E-05	9.77E-04	1.31E-03	5.61E-01
4112	474863.09	3855377.25	4.30E-01	4.69E-05	1.13E-03	1.33E-03	4.33E-01	4.49E-01	4.79E-01	1.03E-01	4.54E-02	1.08E+00	4.48E-01	5.49E-05	1.13E-03	1.33E-03	4.51E-01
4113	475363.09	3855377.25	1.50E-01	2.56E-05	1.25E-03	1.29E-03	1.53E-01	1.57E-01	2.62E-01	1.14E-01	4.42E-02	5.77E-01	1.56E-01	3.00E-05	1.25E-03	1.29E-03	1.59E-01
4114	475863.09	3855377.25	1.09E-01	2.30E-05	1.46E-03	1.29E-03	1.12E-01	1.13E-01	2.35E-01	1.34E-01	4.43E-02	5.27E-01	1.13E-01	2.70E-05	1.46E-03	1.29E-03	1.16E-01
4115	476363.09	3855377.25	1.25E-01	2.51E-05	1.53E-03	1.35E-03	1.28E-01	1.31E-01	2.57E-01	1.39E-01	4.61E-02	5.73E-01	1.31E-01	2.94E-05	1.53E-03	1.35E-03	1.34E-01
4116	476863.09	3855377.25	1.22E-01	2.53E-05	1.51E-03	1.37E-03	1.25E-01	1.28E-01	2.58E-01	1.38E-01	4.68E-02	5.70E-01	1.27E-01	2.96E-05	1.51E-03	1.37E-03	1.30E-01
4117	477363.09	3855377.25	1.31E-01	2.71E-05	1.48E-03	1.48E-03	1.34E-01	1.37E-01	2.77E-01	1.35E-01	5.05E-02	5.99E-01	1.37E-01	3.17E-05	1.48E-03	1.48E-03	1.40E-01
4118	477863.09	3855377.25	1.66E-01	3.16E-05	1.50E-03	1.54E-03	1.69E-01	1.73E-01	3.23E-01	1.37E-01	5.28E-02	6.86E-01	1.73E-01	3.70E-05	1.50E-03	1.54E-03	1.76E-01
4119	478363.09	3855377.25	2.14E-01	3.75E-05	1.59E-03	1.62E-03	2.17E-01	2.23E-01	3.83E-01	1.45E-01	5.53E-02	8.07E-01	2.23E-01	4.39E-05	1.59E-03	1.62E-03	2.26E-01
4120	478863.09	3855377.25	2.70E-01	4.36E-05	1.65E-03	1.76E-03	2.74E-01	2.82E-01	4.46E-01	1.50E-01	6.00E-02	9.38E-01	2.81E-01	5.10E-05	1.65E-03	1.76E-03	2.85E-01
4121	479363.09	3855377.25	3.90E-01	5.69E-05	2.05E-03	2.00E-03	3.94E-01	4.07E-01	5.81E-01	1.87E-01	6.84E-02	1.24E+00	4.06E-01	6.66E-05	2.05E-03	2.00E-03	4.10E-01
4122	479863.09	3855377.25	5.74E-01	7.19E-05	2.17E-03	2.17E-03	5.78E-01	5.98E-01	7.34E-01	1.97E-01	7.42E-02	1.60E+00	5.97E-01	8.41E-05	2.17E-03	2.17E-03	6.02E-01
4123	480363.09	3855377.25	1.02E+00	1.06E-04	2.17E-03	2.24E-03	1.03E+00	1.07E+00	1.09E+00	1.98E-01	7.65E-02	2.43E+00	1.07E+00	1.24E-04	2.17E-03	2.24E-03	1.07E+00
4124	480863.09	3855377.25	1.55E+00	1.96E-04	2.25E-03	2.61E-03	1.55E+00	1.61E+00	2.00E+00	2.05E-01	8.94E-02	3.91E+00	1.61E+00	2.29E-04	2.25E-03	2.61E-03	1.61E+00
4125	481363.09	3855377.25	1.89E+00	3.60E-04	2.06E-03	2.65E-03	1.89E+00	1.97E+00	3.68E+00	1.88E-01	9.06E-02	5.93E+00	1.96E+00	4.22E-04	2.06E-03	2.65E-03	1.97E+00
4126	481863.09	3855377.25	2.09E+00	6.11E-04	2.00E-03	2.82E-03	2.10E+00	2.18E+00	6.24E+00	1.82E-01	9.65E-02	8.70E+00	2.18E+00	7.15E-04	2.00E-03	2.82E-03	2.18E+00
4127	482363.09	3855377.25	2.29E+00	9.42E-04	1.81E-03	2.89E-03	2.30E+00	2.39E+00	9.62E+00	1.65E-01	9.87E-02	1.23E+01	2.39E+00	1.10E-03	1.81E-03	2.89E-03	2.39E+00
4128	482863.09	3855377.25	2.67E+00	1.34E-03	2.05E-03	4.31E-03	2.68E+00	2.79E+00	1.37E+01	1.87E-01	1.47E-01	1.69E+01	2.78E+00	1.57E-03	2.05E-03	4.31E-03	2.79E+00
4129	483363.09	3855377.25	3.15E+00	9.12E-04	1.64E-03	4.99E-03	3.15E+00	3.28E+00	9.32E+00	1.50E-01	1.71E-01	1.29E+01	3.28E+00	1.07E-03	1.64E-03	4.99E-03	3.28E+00
4130	483863.09	3855377.25	3.88E+00	5.37E-04	1.54E-03	4.26E-03	3.88E+00	4.05E+00	5.48E+00	1.41E-01	1.46E-01	9.82E+00	4.04E+00	6.28E-04	1.54E-03	4.26E-03	4.04E+00
4131	484363.09	3855377.25	6.96E+00	3.02E-04	1.33E-03	3.89E-03	6.96E+00	7.26E+00	3.08E+00	1.21E-01	1.33E-01	1.06E+01	7.25E+00	3.53E-04	1.33E-03	3.89E-03	7.25E+00
4132	484863.09	3855377.25	1.12E+01	1.78E-04	1.34E-03	4.21E-03	1.12E+01	1.17E+01	1.81E+00	1.22E-01	1.44E-01	1.38E+01	1.17E+01	2.08E-04	1.34E-03	4.21E-03	1.17E+01
4133	485363.09	3855377.25	5.91E+00	1.54E-04	1.70E-03	5.11E-03	5.91E+00	6.16E+00	1.57E+00	1.55E-01	1.75E-01	8.06E+00	6.15E+00	1.80E-04	1.70E-03	5.11E-03	6.16E+00
4134	485863.09	3855377.25	3.45E+00	1.17E-04	1.78E-03	6.10E-03	3.45E+00	3.60E+00	1.19E+00	1.62E-01	2.09E-01	5.16E+00	3.59E+00	1.36E-04	1.78E-03	6.10E-03	3.60E+00
4135	486363.09	3855377.25	1.93E+00	8.10E-05	2.29E-03	6.68E-03	1.94E+00	2.02E+00	8.27E-01	2.09E-01	2.28E-01	3.28E+00	2.01E+00	9.47E-05	2.29E-03	6.68E-03	2.02E+00
4136	486863.09	3855377.25	1.26E+00	6.70E-05	2.25E-03	6.91E-03	1.27E+00	1.31E+00	6.84E-01	2.05E-01	2.36E-01	2.44E+00	1.31E+00	7.84E-05	2.25E-03	6.91E-03	1.32E+00
4137	487363.09	3855377.25	1.48E+00	7.30E-05	3.24E-03	6.47E-03	1.49E+00	1.55E+00	7.46E-01	2.95E-01	2.21E-01	2.81E+00	1.55E+00	8.54E-05	3.24E-03	6.47E-03	1.56E+00
4138	487863.09	3855377.25	1.58E+00	7.40E-05	2.97E-03	5.73E-03	1.59E+00	1.65E+00	7.56E-01	2.71E-01	1.96E-01	2.87E+00	1.65E+00	8.66E-05	2.97E-03	5.73E-03	1.65E+00
4139	488363.09	3855377.25	1.62E+00	7.93E-05	3.08E-03	6.05E-03	1.63E+00	1.69E+00	8.10E-01	2.81E-01	2.07E-01	2.99E+00	1.69E+00	9.27E-05	3.08E-03	6.05E-03	1.70E+00
4140	488863.09	3855377.25	1.63E+00	7.64E-05	4.91E-03	5.80E-03	1.64E+00	1.70E+00	7.81E-01	4.47E-01	1.98E-01	3.13E+00	1.70E+00	8.94E-05	4.91E-03	5.80E-03	1.71E+00
4141	489363.09	3855377.25	1.53E+00	8.66E-05	4.06E-03	5.63E-03	1.54E+00	1.60E+00	8.84E-01	3.70E-01	1.93E-01	3.05E+00	1.60E+00	1.01E-04	4.06E-03	5.63E-03	1.61E+00
4142	489863.09	3855377.25	1.37E+00	7.87E-05	4.16E-03	5.79E-03	1.38E+00	1.43E+00	8.04E-01	3.79E-01	1.98E-01	2.81E+00	1.43E+00	9.21E-05	4.16E-03	5.79E-03	1.44E+00
4143	490363.09	3855377.25	1.34E+00	8.48E-05	6.77E-03	5.47E-03	1.36E+00	1.40E+00	8.66E-01	6.17E-01	1.87E-01	3.07E+00	1.40E+00	9.92E-05	6.77E-03	5.47E-03	1.41E+00
4144	490863.09	3855377.25	4.13E-01	4.07E-05	9.17E-03	4.70E-03	4.27E-01	4.31E-01	4.16E-01	8.37E-01	1.61E-01	1.84E+00	4.30E-01	4.76E-05	9.17E-03	4.70E-03	4.44E-01

4145	491363.09	3855377.25	2.93E-01	3.63E-05	1.08E-02	3.92E-03	3.08E-01	3.06E-01	3.71E-01	9.81E-01	1.34E-01	1.79E+00	3.05E-01	4.25E-05	1.08E-02	3.92E-03	3.20E-01
4146	491863.09	3855377.25	1.01E+00	6.69E-05	1.04E-02	5.11E-03	1.03E+00	1.06E+00	6.84E-01	9.46E-01	1.75E-01	2.86E+00	1.06E+00	7.83E-05	1.04E-02	5.11E-03	1.07E+00
4147	492363.09	3855377.25	9.93E-01	6.67E-05	9.59E-03	5.03E-03	1.01E+00	1.04E+00	6.81E-01	8.74E-01	1.72E-01	2.76E+00	1.03E+00	7.80E-05	9.59E-03	5.03E-03	1.05E+00
4148	492863.09	3855377.25	8.98E-01	5.91E-05	1.18E-02	4.63E-03	9.14E-01	9.37E-01	6.04E-01	1.08E+00	1.58E-01	2.78E+00	9.35E-01	6.92E-05	1.18E-02	4.63E-03	9.51E-01
4149	493363.09	3855377.25	6.87E-01	4.62E-05	1.48E-02	4.31E-03	7.06E-01	7.17E-01	4.72E-01	1.35E+00	1.47E-01	2.68E+00	7.16E-01	5.40E-05	1.48E-02	4.31E-03	7.35E-01
4150	493863.09	3855377.25	3.36E-01	3.11E-05	1.41E-02	3.19E-03	3.53E-01	3.51E-01	3.17E-01	1.29E+00	1.09E-01	2.06E+00	3.50E-01	3.64E-05	1.41E-02	3.19E-03	3.67E-01
4151	494363.09	3855377.25	1.70E-01	2.75E-05	1.29E-02	2.65E-03	1.86E-01	1.77E-01	2.81E-01	1.18E+00	9.08E-02	1.73E+00	1.77E-01	3.22E-05	1.29E-02	2.65E-03	1.93E-01
4152	494863.09	3855377.25	1.24E-01	2.34E-05	1.19E-02	2.18E-03	1.38E-01	1.29E-01	2.40E-01	1.08E+00	7.46E-02	1.53E+00	1.29E-01	2.74E-05	1.19E-02	2.18E-03	1.43E-01
4153	495363.09	3855377.25	1.08E-01	2.12E-05	1.05E-02	2.04E-03	1.20E-01	1.12E-01	2.16E-01	9.56E-01	6.98E-02	1.35E+00	1.12E-01	2.48E-05	1.05E-02	2.04E-03	1.25E-01
4154	495863.09	3855377.25	9.70E-02	1.82E-05	1.07E-02	1.83E-03	1.10E-01	1.01E-01	1.86E-01	9.74E-01	6.26E-02	1.32E+00	1.01E-01	2.13E-05	1.07E-02	1.83E-03	1.14E-01
4155	496363.09	3855377.25	9.11E-02	1.83E-05	1.04E-02	1.70E-03	1.03E-01	9.50E-02	1.87E-01	9.51E-01	5.81E-02	1.29E+00	9.48E-02	2.15E-05	1.04E-02	1.70E-03	1.07E-01
4156	496863.09	3855377.25	8.72E-02	1.84E-05	9.85E-03	1.72E-03	9.88E-02	9.10E-02	1.88E-01	8.98E-01	5.87E-02	1.24E+00	9.08E-02	2.15E-05	9.85E-03	1.72E-03	1.02E-01
4157	497363.09	3855377.25	8.83E-02	1.86E-05	1.02E-02	1.77E-03	1.00E-01	9.22E-02	1.90E-01	9.26E-01	6.06E-02	1.27E+00	9.20E-02	2.18E-05	1.02E-02	1.77E-03	1.04E-01
4158	497863.09	3855377.25	8.93E-02	1.91E-05	1.10E-02	1.84E-03	1.02E-01	9.32E-02	1.95E-01	1.00E+00	6.29E-02	1.35E+00	9.30E-02	2.23E-05	1.10E-02	1.84E-03	1.06E-01
4159	498363.09	3855377.25	9.18E-02	1.99E-05	1.15E-02	1.92E-03	1.05E-01	9.58E-02	2.03E-01	1.05E+00	6.58E-02	1.41E+00	9.56E-02	2.32E-05	1.15E-02	1.92E-03	1.09E-01
4160	471363.09	3855877.25	3.84E-01	5.51E-05	6.36E-04	1.20E-03	3.86E-01	4.01E-01	5.63E-01	5.80E-02	4.10E-02	1.06E+00	4.00E-01	6.45E-05	6.36E-04	1.20E-03	4.02E-01
4161	471863.09	3855877.25	3.93E-01	5.57E-05	6.32E-04	1.23E-03	3.95E-01	4.10E-01	5.69E-01	5.77E-02	4.19E-02	1.08E+00	4.09E-01	6.52E-05	6.32E-04	1.23E-03	4.11E-01
4162	472363.09	3855877.25	4.17E-01	6.06E-05	6.42E-04	1.28E-03	4.19E-01	4.36E-01	6.19E-01	5.85E-02	4.39E-02	1.16E+00	4.35E-01	7.09E-05	6.42E-04	1.28E-03	4.37E-01
4163	472863.09	3855877.25	4.19E-01	5.72E-05	6.60E-04	1.33E-03	4.21E-01	4.37E-01	5.84E-01	6.02E-02	4.56E-02	1.13E+00	4.37E-01	6.69E-05	6.60E-04	1.33E-03	4.39E-01
4164	473363.09	3855877.25	4.54E-01	6.41E-05	7.40E-04	1.36E-03	4.56E-01	4.73E-01	6.55E-01	6.75E-02	4.64E-02	1.24E+00	4.72E-01	7.50E-05	7.40E-04	1.36E-03	4.75E-01
4165	473863.09	3855877.25	4.79E-01	6.65E-05	8.74E-04	1.38E-03	4.81E-01	5.00E-01	6.80E-01	7.97E-02	4.71E-02	1.31E+00	4.99E-01	7.78E-05	8.74E-04	1.38E-03	5.01E-01
4166	474363.09	3855877.25	4.99E-01	6.57E-05	9.75E-04	1.42E-03	5.01E-01	5.20E-01	6.72E-01	8.90E-02	4.87E-02	1.33E+00	5.19E-01	7.69E-05	9.75E-04	1.42E-03	5.22E-01
4167	474863.09	3855877.25	3.96E-01	4.58E-05	1.02E-03	1.46E-03	3.98E-01	4.13E-01	4.68E-01	9.26E-02	4.99E-02	1.02E+00	4.12E-01	5.36E-05	1.02E-03	1.46E-03	4.15E-01
4168	475363.09	3855877.25	1.90E-01	3.01E-05	1.01E-03	1.41E-03	1.93E-01	1.98E-01	3.07E-01	9.25E-02	4.83E-02	6.46E-01	1.98E-01	3.52E-05	1.01E-03	1.41E-03	2.00E-01
4169	475863.09	3855877.25	8.31E-02	1.84E-05	1.02E-03	1.24E-03	8.54E-02	8.68E-02	1.88E-01	9.33E-02	4.22E-02	4.10E-01	8.66E-02	2.15E-05	1.02E-03	1.24E-03	8.89E-02
4170	476363.09	3855877.25	8.63E-02	1.90E-05	1.06E-03	1.32E-03	8.87E-02	9.01E-02	1.95E-01	9.71E-02	4.50E-02	4.27E-01	8.99E-02	2.23E-05	1.06E-03	1.32E-03	9.23E-02
4171	476863.09	3855877.25	1.24E-01	2.58E-05	1.16E-03	1.51E-03	1.27E-01	1.30E-01	2.64E-01	1.06E-01	5.16E-02	5.51E-01	1.29E-01	3.02E-05	1.16E-03	1.51E-03	1.32E-01
4172	477363.09	3855877.25	1.48E-01	2.84E-05	1.41E-03	1.57E-03	1.51E-01	1.55E-01	2.90E-01	1.28E-01	5.35E-02	6.26E-01	1.54E-01	3.32E-05	1.41E-03	1.57E-03	1.57E-01
4173	477863.09	3855877.25	1.74E-01	3.13E-05	1.74E-03	1.60E-03	1.78E-01	1.82E-01	3.20E-01	1.58E-01	5.48E-02	7.15E-01	1.81E-01	3.66E-05	1.74E-03	1.60E-03	1.85E-01
4174	478363.09	3855877.25	2.18E-01	3.77E-05	2.08E-03	1.65E-03	2.22E-01	2.28E-01	3.86E-01	1.90E-01	5.65E-02	8.60E-01	2.27E-01	4.42E-05	2.08E-03	1.65E-03	2.31E-01
4175	478863.09	3855877.25	2.84E-01	4.48E-05	2.13E-03	1.80E-03	2.88E-01	2.97E-01	4.57E-01	1.94E-01	6.16E-02	1.01E+00	2.96E-01	5.24E-05	2.13E-03	1.80E-03	3.00E-01
4176	479363.09	3855877.25	4.48E-01	5.49E-05	2.14E-03	2.10E-03	4.52E-01	4.67E-01	5.61E-01	1.95E-01	7.17E-02	1.29E+00	4.66E-01	6.42E-05	2.14E-03	2.10E-03	4.71E-01
4177	479863.09	3855877.25	6.34E-01	6.73E-05	2.14E-03	2.36E-03	6.38E-01	6.61E-01	6.88E-01	1.95E-01	8.07E-02	1.62E+00	6.60E-01	7.87E-05	2.14E-03	2.36E-03	6.64E-01
4178	480363.09	3855877.25	9.42E-01	8.98E-05	2.19E-03	2.26E-03	9.47E-01	9.83E-01	9.18E-01	2.00E-01	7.74E-02	2.18E+00	9.81E-01	1.05E-04	2.19E-03	2.26E-03	9.86E-01
4179	480863.09	3855877.25	1.36E+00	1.45E-04	2.52E-03	2.40E-03	1.37E+00	1.42E+00	1.48E+00	2.30E-01	8.22E-02	3.22E+00	1.42E+00	1.70E-04	2.52E-03	2.40E-03	1.43E+00
4180	481363.09	3855877.25	1.47E+00	1.59E-04	2.86E-03	2.73E-03	1.47E+00	1.53E+00	1.62E+00	2.61E-01	9.32E-02	3.51E+00	1.53E+00	1.86E-04	2.86E-03	2.73E-03	1.53E+00
4181	481863.09	3855877.25	1.93E+00	4.45E-04	3.05E-03	2.87E-03	1.93E+00	2.01E+00	4.55E+00	2.78E-01	9.80E-02	6.93E+00	2.01E+00	5.21E-04	3.05E-03	2.87E-03	2.01E+00
4182	482363.09	3855877.25	1.96E+00	8.21E-04	2.93E-03	3.84E-03	1.97E+00	2.04E+00	8.39E+00	2.67E-01	1.31E-01	1.08E+01	2.04E+00	9.61E-04	2.93E-03	3.84E-03	2.05E+00
4183	482863.09	3855877.25	2.18E+00	1.12E-03	2.66E-03	5.24E-03	2.19E+00	2.27E+00	1.15E+01	2.42E-01	1.79E-01	1.42E+01	2.27E+00	1.32E-03	2.66E-03	5.24E-03	2.28E+00
4184	483363.09	3855877.25	2.48E+00	1.55E-03	2.40E-03	8.18E-03	2.49E+00	2.59E+00	1.58E+01	2.18E-01	2.80E-01	1.89E+01	2.58E+00	1.81E-03	2.40E-03	8.18E-03	2.60E+00
4185	483863.09	3855877.25	3.01E+00	1.07E-03	2.63E-03	6.95E-03	3.02E+00	3.14E+00	1.09E+01	2.40E-01	2.38E-01	1.46E+01	3.13E+00	1.25E-03	2.63E-03	6.95E-03	3.14E+00
4186	484363.09	3855877.25	3.72E+00	5.74E-04	2.24E-03	8.24E-03	3.73E+00	3.88E+00	5.87E+00	2.04E-01	2.82E-01	1.02E+01	3.88E+00	6.72E-04	2.24E-03	8.24E-03	3.89E+00
4187	484863.09	3855877.25	5.58E+00	3.98E-04	1.74E-03	1.07E-02	5.59E+00	5.82E+00	4.07E+00	1.59E-01	3.65E-01	1.04E+01	5.81E+00	4.66E-04	1.74E-03	1.07E-02	5.82E+00
4188	485363.09	3855877.25	1.15E+01	2.53E-04	1.74E-03	9.32E-03	1.15E+01	1.20E+01	2.58E+00	1.58E-01	3.19E-01	1.51E+01	1.20E+01	2.96E-04	1.74E-03	9.32E-03	1.20E+01
4189	485863.09	3855877.25	7.40E+00	1.64E-04	2.19E-03	1.02E-02	7.41E+00	7.72E+00	1.68E+00	2.00E-01	3.50E-01	9.94E+00	7.70E+00	1.92E-04	2.19E-03	1.02E-02	7.71E+00
4190	486363.09	3855877.25	4.31E+00	1.18E-04	2.33E-03	1.06E-02	4.32E+00	4.50E+00	1.20E+00	2.12E-01	3.63E-01	6.28E+00	4.49E+00	1.38E-04	2.33E-03	1.06E-02	4.50E+00
4191	486863.09	3855877.25	2.97E+00	9.49E-05	3.12E-03	9.29E-03	2.98E+00	3.10E+00	9.70E-01	2.85E-01	3.18E-01	4.67E+00	3.09E+00	1.11E-04	3.12E-03	9.29E-03	3.11E+00
4192	487363.09	3855877.25	2.78E+00	1.07E-04	4.19E-03	8.20E-03	2.79E+00	2.90E+00	1.09E+00	3.82E-01	2.80E-01	4.65E+00	2.89E+00	1.25E-04	4.19E-03	8.20E-03	2.90E+00
4193	487863.09	3855877.25	2.59E+00	1.09E-04	3.79E-03	7.02E-03	2.60E+00	2.70E+00	1.12E+00	3.46E-01	2.40E-01	4.40E+00	2.69E+00	1.28E-04	3.79E-03	7.02E-03	2.70E+00
4194	488363.09	3855877.25	2.34E+00	1.19E-04	4.25E-03	6.59E-03	2.35E+00	2.44E+00	1.22E+00	3.88E-01	2.25E-01	4.27E+00	2.43E+00	1.39E-04	4.25E-03	6.59E-03	2.44E+00
4195	488863.09	3855877.25	2.11E+00	1.13E-04	5.50E-03	6.19E-03	2.12E+00	2.20E+00	1.16E+00	5.02E-01	2.12E-01	4.07E+00	2.20E+00	1.32E-04	5.50E-03	6.19E-03	2.21E+00
4196	489363.09	3855877.25	1.93E+00	1.27E-04	5.34E-03	5.76E-03	1.94E+00	2.01E+00	1.30E+00	4.87E-01	1.97E-01	3.99E+00	2.01E+00	1.48E-04	5.34E-03	5.76E-03	2.02E+00
4197	489863.09	3855877.25	1.75E+00	1.20E-04	8.09E-03	5.84E-03	1.77E+00	1.83E+00	1.23E+00	7.38E-01	2.00E-01	4.00E+00	1.83E+00	1.41E-04	8.09E-03	5.84E-03	1.84E+00
4198	490363.09	3855877.25	1.60E+00	1.17E-04	1.17E-02	5.29E-03	1.61E+00	1.67E+00	1.19E+00	1.06E+00	1.81E-01	4.10E+00	1.66E+00	1.37E-04	1.17E-02	5.29E-03	1.68E+00
4199	490863.09	3855877.25	1.43E+00	1.04E-04	1.25E-02	5.37E-03	1.45E+00	1.50E+00	1.06E+00	1.14E+00	1.84E-01	3.88E+00	1.49E+00	1.21E-04	1.25E-02	5.37E-03	1.51E+00
4200	491363.09	3855877.25	1.12E+00	6.68E-05	1.14E-02	5.17E-03	1.14E+00	1.17E+00	6.82E-01	1.04E+00	1.77E-01	3.07E+00	1.17E+00	7.81E-05	1.14E-02	5.17E-03	1.18E+00
4201	491863.09	3855877.25	1.24E+00	9.00E-05	1.33E-02	5.08E-03	1.26E+00	1.29E+00	9.19E-01	1.21E+00	1.74E-01	3.60E+00	1.29E+00	1.05E-04	1.33E-02	5.08E-03	1.31E+00
4202	492363.09	3855877.25	1.10E+00	7.28E-05	1.80E-02	4.96E-03	1.13E+00	1.15E+00	7.44E-01	1.64E+00	1.70E-01	3.71E+00	1.15E+00	8.52E-05	1.80E-02	4.96E-03	1.17E+00
4203	492863.09	3855877.25	9.77E-01	6.27E-05	2.03E-02	4.65E-03	1.00E+00	1.02E+00	6.40E-01	1.85E+00	1.59E-01	3.67E+00	1.02E+00	7.33E-05	2.03E-02	4.65E-03	1.04E+00
4204	493363.09	3855877.25	5.21E-01	3.76E-05	1.84E-02	3.69E-03	5.44E-01	5.44E-01	3.84E-01	1.68E+00	1.26E-01	2.74E+00	5.43E-01	4.40E-05	1.84E-02	3.69E-03	5.65E-01
4205	493863.09	3855877.25	2.14E-01	3.03E-05	1.80E-02	2.95E-03	2.35E-01	2.24E-01	3.10E-01	1.64E+00	1.01E-01	2.28E+00	2.23E-01	3.55E-05	1.80E-02	2.95E-03	2.44E-01

4206	494363.09	3855877.25	1.28E-01	2.51E-05	1.48E-02	2.31E-03	1.46E-01	1.34E-01	2.56E-01	1.35E+00	7.91E-02	1.82E+00	1.34E-01	2.93E-05	1.48E-02	2.31E-03	1.51E-01
4207	494863.09	3855877.25	1.09E-01	2.16E-05	1.33E-02	2.17E-03	1.24E-01	1.14E-01	2.21E-01	1.21E+00	7.41E-02	1.62E+00	1.13E-01	2.53E-05	1.33E-02	2.17E-03	1.29E-01
4208	495363.09	3855877.25	8.56E-02	1.79E-05	1.07E-02	1.65E-03	9.80E-02	8.93E-02	1.83E-01	9.77E-01	5.65E-02	1.31E+00	8.92E-02	2.09E-05	1.07E-02	1.65E-03	1.02E-01
4209	495863.09	3855877.25	8.26E-02	1.82E-05	1.08E-02	1.63E-03	9.50E-02	8.62E-02	1.86E-01	9.87E-01	5.58E-02	1.31E+00	8.60E-02	2.13E-05	1.08E-02	1.63E-03	9.85E-02
4210	496363.09	3855877.25	7.99E-02	1.89E-05	1.12E-02	1.73E-03	9.28E-02	8.34E-02	1.93E-01	1.02E+00	5.90E-02	1.35E+00	8.32E-02	2.21E-05	1.12E-02	1.73E-03	9.61E-02
4211	496863.09	3855877.25	8.46E-02	1.98E-05	1.13E-02	1.84E-03	9.77E-02	8.82E-02	2.02E-01	1.03E+00	6.30E-02	1.38E+00	8.81E-02	2.32E-05	1.13E-02	1.84E-03	1.01E-01
4212	497363.09	3855877.25	9.00E-02	1.97E-05	1.18E-02	1.91E-03	1.04E-01	9.40E-02	2.01E-01	1.07E+00	6.53E-02	1.43E+00	9.38E-02	2.30E-05	1.18E-02	1.91E-03	1.07E-01
4213	497863.09	3855877.25	9.10E-02	2.11E-05	1.27E-02	2.00E-03	1.06E-01	9.50E-02	2.15E-01	1.16E+00	6.82E-02	1.54E+00	9.48E-02	2.47E-05	1.27E-02	2.00E-03	1.09E-01
4214	498363.09	3855877.25	9.71E-02	2.19E-05	1.30E-02	2.18E-03	1.12E-01	1.01E-01	2.24E-01	1.19E+00	7.45E-02	1.59E+00	1.01E-01	2.56E-05	1.30E-02	2.18E-03	1.16E-01
4215	471363.09	3856377.25	3.48E-01	5.25E-05	5.55E-04	1.20E-03	3.50E-01	3.63E-01	5.36E-01	5.06E-02	4.11E-02	9.91E-01	3.62E-01	6.14E-05	5.55E-04	1.20E-03	3.64E-01
4216	471863.09	3856377.25	3.56E-01	5.36E-05	5.71E-04	1.28E-03	3.58E-01	3.72E-01	5.48E-01	5.21E-02	4.38E-02	1.02E+00	3.71E-01	6.27E-05	5.71E-04	1.28E-03	3.73E-01
4217	472363.09	3856377.25	3.81E-01	5.80E-05	6.24E-04	1.32E-03	3.83E-01	3.97E-01	5.92E-01	5.69E-02	4.51E-02	1.09E+00	3.96E-01	6.78E-05	6.24E-04	1.32E-03	3.98E-01
4218	472863.09	3856377.25	4.20E-01	6.39E-05	6.89E-04	1.35E-03	4.22E-01	4.38E-01	6.53E-01	6.29E-02	4.61E-02	1.20E+00	4.37E-01	7.47E-05	6.89E-04	1.35E-03	4.39E-01
4219	473363.09	3856377.25	4.42E-01	6.82E-05	7.31E-04	1.37E-03	4.45E-01	4.62E-01	6.97E-01	6.66E-02	4.69E-02	1.27E+00	4.61E-01	7.98E-05	7.31E-04	1.37E-03	4.63E-01
4220	473863.09	3856377.25	4.85E-01	7.71E-05	7.68E-04	1.39E-03	4.87E-01	5.06E-01	7.88E-01	7.01E-02	4.77E-02	1.41E+00	5.05E-01	9.02E-05	7.68E-04	1.39E-03	5.07E-01
4221	474363.09	3856377.25	4.78E-01	7.06E-05	8.29E-04	1.50E-03	4.81E-01	4.99E-01	7.21E-01	7.56E-02	5.12E-02	1.35E+00	4.98E-01	8.26E-05	8.29E-04	1.50E-03	5.00E-01
4222	474863.09	3856377.25	4.46E-01	5.85E-05	9.19E-04	1.79E-03	4.48E-01	4.65E-01	5.98E-01	8.38E-02	6.14E-02	1.21E+00	4.64E-01	6.85E-05	9.19E-04	1.79E-03	4.67E-01
4223	475363.09	3856377.25	3.22E-01	4.12E-05	8.91E-04	1.63E-03	3.24E-01	3.36E-01	4.20E-01	8.13E-02	5.57E-02	8.93E-01	3.35E-01	4.82E-05	8.91E-04	1.63E-03	3.38E-01
4224	475863.09	3856377.25	1.78E-01	3.05E-05	8.26E-04	1.44E-03	1.81E-01	1.86E-01	3.12E-01	7.54E-02	4.92E-02	6.23E-01	1.86E-01	3.57E-05	8.26E-04	1.44E-03	1.88E-01
4225	476363.09	3856377.25	1.58E-01	2.92E-05	9.36E-04	1.49E-03	1.61E-01	1.65E-01	2.98E-01	8.53E-02	5.09E-02	6.00E-01	1.65E-01	3.41E-05	9.36E-04	1.49E-03	1.67E-01
4226	476863.09	3856377.25	1.57E-01	2.95E-05	1.10E-03	1.57E-03	1.60E-01	1.64E-01	3.01E-01	1.01E-01	5.38E-02	6.19E-01	1.63E-01	3.45E-05	1.10E-03	1.57E-03	1.66E-01
4227	477363.09	3856377.25	1.63E-01	3.09E-05	1.19E-03	1.70E-03	1.66E-01	1.70E-01	3.16E-01	1.09E-01	5.80E-02	6.53E-01	1.70E-01	3.62E-05	1.19E-03	1.70E-03	1.73E-01
4228	477863.09	3856377.25	1.34E-01	2.79E-05	1.24E-03	1.73E-03	1.37E-01	1.40E-01	2.86E-01	1.13E-01	5.90E-02	5.97E-01	1.40E-01	3.27E-05	1.24E-03	1.73E-03	1.43E-01
4229	478363.09	3856377.25	1.26E-01	2.73E-05	1.31E-03	1.78E-03	1.29E-01	1.31E-01	2.79E-01	1.20E-01	6.10E-02	5.91E-01	1.31E-01	3.20E-05	1.31E-03	1.78E-03	1.34E-01
4230	478863.09	3856377.25	2.14E-01	3.75E-05	1.42E-03	1.91E-03	2.18E-01	2.24E-01	3.83E-01	1.30E-01	6.54E-02	8.02E-01	2.23E-01	4.38E-05	1.42E-03	1.91E-03	2.27E-01
4231	479363.09	3856377.25	2.86E-01	4.48E-05	1.71E-03	2.06E-03	2.89E-01	2.98E-01	4.58E-01	1.56E-01	7.04E-02	9.82E-01	2.97E-01	5.25E-05	1.71E-03	2.06E-03	3.01E-01
4232	479863.09	3856377.25	6.00E-01	6.40E-05	2.20E-03	2.87E-03	6.06E-01	6.26E-01	6.54E-01	2.01E-01	9.81E-02	1.58E+00	6.25E-01	7.49E-05	2.20E-03	2.87E-03	6.30E-01
4233	480363.09	3856377.25	1.03E+00	9.53E-05	2.91E-03	2.99E-03	1.04E+00	1.08E+00	9.73E-01	2.65E-01	1.02E-01	2.42E+00	1.08E+00	1.11E-04	2.91E-03	2.99E-03	1.08E+00
4234	480863.09	3856377.25	1.33E+00	1.30E-04	3.08E-03	2.79E-03	1.33E+00	1.39E+00	1.33E+00	2.81E-01	9.55E-02	3.09E+00	1.38E+00	1.53E-04	3.08E-03	2.79E-03	1.39E+00
4235	481363.09	3856377.25	1.56E+00	2.06E-04	3.11E-03	2.91E-03	1.57E+00	1.63E+00	2.11E+00	2.83E-01	9.95E-02	4.12E+00	1.63E+00	2.42E-04	3.11E-03	2.91E-03	1.63E+00
4236	481863.09	3856377.25	1.72E+00	4.09E-04	3.21E-03	3.13E-03	1.72E+00	1.79E+00	4.18E+00	2.93E-01	1.07E-01	6.37E+00	1.79E+00	4.79E-04	3.21E-03	3.13E-03	1.79E+00
4237	482363.09	3856377.25	1.74E+00	7.10E-04	3.39E-03	3.56E-03	1.75E+00	1.82E+00	7.25E+00	3.09E-01	1.22E-01	9.50E+00	1.81E+00	8.31E-04	3.39E-03	3.56E-03	1.82E+00
4238	482863.09	3856377.25	1.90E+00	9.66E-04	4.03E-03	4.33E-03	1.91E+00	1.98E+00	9.87E+00	3.68E-01	1.48E-01	1.24E+01	1.98E+00	1.13E-03	4.03E-03	4.33E-03	1.99E+00
4239	483363.09	3856377.25	2.07E+00	1.48E-03	4.35E-03	7.37E-03	2.08E+00	2.16E+00	1.51E+01	3.96E-01	2.52E-01	1.79E+01	2.15E+00	1.73E-03	4.35E-03	7.37E-03	2.17E+00
4240	483863.09	3856377.25	2.34E+00	1.60E-03	4.00E-03	8.05E-03	2.35E+00	2.44E+00	1.64E+01	3.65E-01	2.75E-01	1.95E+01	2.44E+00	1.88E-03	4.00E-03	8.05E-03	2.45E+00
4241	484363.09	3856377.25	2.77E+00	1.50E-03	3.27E-03	1.62E-02	2.79E+00	2.89E+00	1.54E+01	2.99E-01	5.53E-01	1.91E+01	2.88E+00	1.76E-03	3.27E-03	1.62E-02	2.90E+00
4242	484863.09	3856377.25	3.38E+00	8.56E-04	3.29E-03	1.43E-02	3.40E+00	3.53E+00	8.75E+00	3.00E-01	4.89E-01	1.31E+01	3.52E+00	1.00E-03	3.29E-03	1.43E-02	3.54E+00
4243	485363.09	3856377.25	4.80E+00	5.35E-04	2.87E-03	1.18E-02	4.82E+00	5.01E+00	5.46E+00	2.62E-01	4.03E-01	1.11E+01	5.00E+00	6.26E-04	2.87E-03	1.18E-02	5.02E+00
4244	485863.09	3856377.25	1.10E+01	3.31E-04	2.53E-03	9.85E-03	1.10E+01	1.15E+01	3.38E+00	2.31E-01	3.37E-01	1.54E+01	1.14E+01	3.87E-04	2.53E-03	9.85E-03	1.15E+01
4245	486363.09	3856377.25	7.47E+00	1.30E-04	2.84E-03	1.00E-02	7.48E+00	7.79E+00	1.33E+00	2.59E-01	3.43E-01	9.73E+00	7.78E+00	1.53E-04	2.84E-03	1.00E-02	7.79E+00
4246	486863.09	3856377.25	5.56E+00	1.34E-04	3.26E-03	8.28E-03	5.57E+00	5.80E+00	1.37E+00	2.97E-01	2.83E-01	7.75E+00	5.79E+00	1.57E-04	3.26E-03	8.28E-03	5.80E+00
4247	487363.09	3856377.25	4.36E+00	1.48E-04	4.40E-03	7.37E-03	4.37E+00	4.55E+00	1.51E+00	4.01E-01	2.52E-01	6.71E+00	4.54E+00	1.73E-04	4.40E-03	7.37E-03	4.55E+00
4248	487863.09	3856377.25	3.60E+00	1.76E-04	4.84E-03	6.68E-03	3.61E+00	3.76E+00	1.80E+00	4.42E-01	2.29E-01	6.22E+00	3.75E+00	2.06E-04	4.84E-03	6.68E-03	3.76E+00
4249	488363.09	3856377.25	2.99E+00	1.85E-04	7.02E-03	6.00E-03	3.00E+00	3.12E+00	1.89E+00	6.41E-01	2.05E-01	5.85E+00	3.11E+00	2.16E-04	7.02E-03	6.00E-03	3.13E+00
4250	488863.09	3856377.25	2.55E+00	1.91E-04	7.04E-03	5.69E-03	2.56E+00	2.66E+00	1.95E+00	6.42E-01	1.94E-01	5.44E+00	2.65E+00	2.23E-04	7.04E-03	5.69E-03	2.66E+00
4251	489363.09	3856377.25	2.22E+00	1.84E-04	1.03E-02	5.37E-03	2.24E+00	2.32E+00	1.88E+00	9.39E-01	1.84E-01	5.32E+00	2.31E+00	2.16E-04	1.03E-02	5.37E-03	2.33E+00
4252	489863.09	3856377.25	1.99E+00	1.79E-04	1.63E-02	5.14E-03	2.01E+00	2.08E+00	1.83E+00	1.49E+00	1.76E-01	5.57E+00	2.07E+00	2.10E-04	1.63E-02	5.14E-03	2.09E+00
4253	490363.09	3856377.25	1.80E+00	1.59E-04	1.47E-02	5.04E-03	1.82E+00	1.87E+00	1.62E+00	1.34E+00	1.72E-01	5.01E+00	1.87E+00	1.86E-04	1.47E-02	5.04E-03	1.89E+00
4254	490863.09	3856377.25	1.64E+00	1.42E-04	1.57E-02	4.90E-03	1.66E+00	1.71E+00	1.45E+00	1.43E+00	1.68E-01	4.76E+00	1.71E+00	1.66E-04	1.57E-02	4.90E-03	1.73E+00
4255	491363.09	3856377.25	1.51E+00	1.28E-04	2.05E-02	4.92E-03	1.53E+00	1.57E+00	1.31E+00	1.87E+00	1.68E-01	4.91E+00	1.57E+00	1.50E-04	2.05E-02	4.92E-03	1.59E+00
4256	491863.09	3856377.25	1.38E+00	1.07E-04	2.62E-02	4.66E-03	1.41E+00	1.44E+00	1.10E+00	2.39E+00	1.59E-01	5.08E+00	1.44E+00	1.26E-04	2.62E-02	4.66E-03	1.47E+00
4257	492363.09	3856377.25	1.22E+00	7.93E-05	2.62E-02	4.45E-03	1.25E+00	1.27E+00	8.10E-01	2.39E+00	1.52E-01	4.62E+00	1.27E+00	9.28E-05	2.62E-02	4.45E-03	1.30E+00
4258	492863.09	3856377.25	8.51E-01	4.82E-05	2.74E-02	3.95E-03	8.82E-01	8.88E-01	4.93E-01	2.50E+00	1.35E-01	4.02E+00	8.86E-01	5.64E-05	2.74E-02	3.95E-03	9.17E-01
4259	493363.09	3856377.25	2.46E-01	3.15E-05	2.32E-02	3.01E-03	2.73E-01	2.57E-01	3.22E-01	2.12E+00	1.03E-01	2.80E+00	2.57E-01	3.69E-05	2.32E-02	3.01E-03	2.83E-01
4260	493863.09	3856377.25	1.65E-01	2.95E-05	1.92E-02	2.65E-03	1.87E-01	1.72E-01	3.01E-01	1.75E+00	9.08E-02	2.31E+00	1.72E-01	3.45E-05	1.92E-02	2.65E-03	1.94E-01
4261	494363.09	3856377.25	1.15E-01	2.44E-05	1.66E-02	2.29E-03	1.33E-01	1.19E-01	2.49E-01	1.52E+00	7.84E-02	1.96E+00	1.19E-01	2.86E-05	1.66E-02	2.29E-03	1.38E-01
4262	494863.09	3856377.25	9.47E-02	2.22E-05	1.47E-02	1.93E-03	1.11E-01	9.88E-02	2.27E-01	1.34E+00	6.61E-02	1.73E+00	9.86E-02	2.60E-05	1.47E-02	1.93E-03	1.15E-01
4263	495363.09	3856377.25	7.85E-02	2.02E-05	1.22E-02	1.79E-03	9.25E-02	8.19E-02	2.07E-01	1.11E+00	6.13E-02	1.46E+00	8.18E-02	2.36E-05	1.22E-02	1.79E-03	9.58E-02
4264	495863.09	3856377.25	7.63E-02	2.08E-05	1.15E-02	1.80E-03	8.96E-02	7.96E-02	2.12E-01	1.04E+00	6.15E-02	1.40E+00	7.95E-02	2.43E-05	1.15E-02	1.80E-03	9.28E-02
4265	496363.09	3856377.25	7.88E-02	2.00E-05	1.15E-02	1.87E-03	9.22E-02	8.22E-02	2.05E-01	1.05E+00	6.41E-02	1.40E+00	8.20E-02	2.34E-05	1.15E-02	1.87E-03	9.54E-02
4266	496863.09	3856377.25	8.33E-02	2.14E-05	1.23E-02	1.90E-03	9.76E-02	8.69E-02	2.19E-01	1.13E+00	6.51E-02	1.50E+00	8.68E-02	2.51E-05	1.23E-02	1.90E-03	1.01E-01

4267	497363.09	3856377.25	8.59E-02	2.23E-05	1.34E-02	2.10E-03	1.01E-01	8.96E-02	2.28E-01	1.22E+00	7.17E-02	1.61E+00	8.95E-02	2.61E-05	1.34E-02	2.10E-03	1.05E-01
4268	497863.09	3856377.25	9.01E-02	2.41E-05	1.40E-02	2.14E-03	1.06E-01	9.40E-02	2.46E-01	1.28E+00	7.31E-02	1.69E+00	9.38E-02	2.82E-05	1.40E-02	2.14E-03	1.10E-01
4269	498363.09	3856377.25	1.03E-01	2.45E-05	1.42E-02	2.28E-03	1.19E-01	1.07E-01	2.51E-01	1.30E+00	7.79E-02	1.74E+00	1.07E-01	2.87E-05	1.42E-02	2.28E-03	1.24E-01
4270	471363.09	3856877.25	3.72E-01	5.58E-05	6.44E-04	1.08E-03	3.73E-01	3.88E-01	5.70E-01	5.88E-02	3.69E-02	1.05E+00	3.87E-01	6.52E-05	6.44E-04	1.08E-03	3.89E-01
4271	471863.09	3856877.25	3.87E-01	5.51E-05	6.69E-04	1.14E-03	3.89E-01	4.04E-01	5.63E-01	6.10E-02	3.91E-02	1.07E+00	4.03E-01	6.44E-05	6.69E-04	1.14E-03	4.05E-01
4272	472363.09	3856877.25	4.07E-01	5.84E-05	6.87E-04	1.26E-03	4.09E-01	4.24E-01	5.97E-01	6.26E-02	4.30E-02	1.13E+00	4.24E-01	6.83E-05	6.87E-04	1.26E-03	4.26E-01
4273	472863.09	3856877.25	4.28E-01	6.00E-05	6.95E-04	1.33E-03	4.30E-01	4.46E-01	6.13E-01	6.34E-02	4.54E-02	1.17E+00	4.46E-01	7.02E-05	6.95E-04	1.33E-03	4.48E-01
4274	473363.09	3856877.25	4.66E-01	6.68E-05	7.31E-04	1.41E-03	4.69E-01	4.87E-01	6.83E-01	6.66E-02	4.81E-02	1.28E+00	4.86E-01	7.82E-05	7.31E-04	1.41E-03	4.88E-01
4275	473863.09	3856877.25	4.97E-01	7.09E-05	7.72E-04	1.48E-03	5.00E-01	5.19E-01	7.25E-01	7.04E-02	5.05E-02	1.36E+00	5.18E-01	8.30E-05	7.72E-04	1.48E-03	5.20E-01
4276	474363.09	3856877.25	4.85E-01	6.41E-05	8.04E-04	1.54E-03	4.87E-01	5.06E-01	6.55E-01	7.34E-02	5.27E-02	1.29E+00	5.05E-01	7.50E-05	8.04E-04	1.54E-03	5.07E-01
4277	474863.09	3856877.25	4.52E-01	5.46E-05	8.15E-04	1.62E-03	4.54E-01	4.71E-01	5.57E-01	7.44E-02	5.54E-02	1.16E+00	4.70E-01	6.38E-05	8.15E-04	1.62E-03	4.73E-01
4278	475363.09	3856877.25	3.43E-01	4.28E-05	7.87E-04	1.67E-03	3.45E-01	3.57E-01	4.37E-01	7.18E-02	5.72E-02	9.24E-01	3.57E-01	5.01E-05	7.87E-04	1.67E-03	3.59E-01
4279	475863.09	3856877.25	3.21E-01	4.09E-05	8.13E-04	1.73E-03	3.23E-01	3.35E-01	4.18E-01	7.42E-02	5.92E-02	8.86E-01	3.34E-01	4.79E-05	8.13E-04	1.73E-03	3.37E-01
4280	476363.09	3856877.25	2.42E-01	3.69E-05	8.46E-04	1.65E-03	2.44E-01	2.52E-01	3.77E-01	7.71E-02	5.64E-02	7.62E-01	2.52E-01	4.32E-05	8.46E-04	1.65E-03	2.54E-01
4281	476863.09	3856877.25	2.15E-01	3.56E-05	9.25E-04	1.69E-03	2.18E-01	2.24E-01	3.63E-01	8.43E-02	5.80E-02	7.30E-01	2.24E-01	4.16E-05	9.25E-04	1.69E-03	2.27E-01
4282	477363.09	3856877.25	1.77E-01	3.17E-05	9.64E-04	1.82E-03	1.79E-01	1.84E-01	3.24E-01	8.79E-02	6.23E-02	6.59E-01	1.84E-01	3.71E-05	9.64E-04	1.82E-03	1.87E-01
4283	477863.09	3856877.25	1.19E-01	2.81E-05	9.44E-04	1.91E-03	1.22E-01	1.24E-01	2.87E-01	8.61E-02	6.53E-02	5.63E-01	1.24E-01	3.29E-05	9.44E-04	1.91E-03	1.26E-01
4284	478363.09	3856877.25	1.05E-01	2.66E-05	9.87E-04	1.89E-03	1.08E-01	1.10E-01	2.72E-01	9.00E-02	6.48E-02	5.37E-01	1.10E-01	3.12E-05	9.87E-04	1.89E-03	1.13E-01
4285	478863.09	3856877.25	1.27E-01	3.03E-05	1.11E-03	1.98E-03	1.30E-01	1.32E-01	3.09E-01	1.02E-01	6.78E-02	6.11E-01	1.32E-01	3.54E-05	1.11E-03	1.98E-03	1.35E-01
4286	479363.09	3856877.25	1.59E-01	3.44E-05	1.24E-03	2.07E-03	1.63E-01	1.66E-01	3.52E-01	1.13E-01	7.06E-02	7.01E-01	1.66E-01	4.03E-05	1.24E-03	2.07E-03	1.69E-01
4287	479863.09	3856877.25	4.82E-01	5.76E-05	1.98E-03	2.60E-03	4.87E-01	5.03E-01	5.88E-01	1.81E-01	8.91E-02	1.36E+00	5.02E-01	6.73E-05	1.98E-03	2.60E-03	5.07E-01
4288	480363.09	3856877.25	9.24E-01	9.23E-05	2.16E-03	2.94E-03	9.29E-01	9.64E-01	9.43E-01	1.97E-01	1.01E-01	2.21E+00	9.62E-01	1.08E-04	2.16E-03	2.94E-03	9.68E-01
4289	480863.09	3856877.25	1.26E+00	1.46E-04	2.05E-03	2.89E-03	1.27E+00	1.32E+00	1.49E+00	1.87E-01	9.87E-02	3.09E+00	1.31E+00	1.70E-04	2.05E-03	2.89E-03	1.32E+00
4290	481363.09	3856877.25	1.45E+00	2.19E-04	2.43E-03	3.08E-03	1.45E+00	1.51E+00	2.24E+00	2.22E-01	1.05E-01	4.07E+00	1.51E+00	2.56E-04	2.43E-03	3.08E-03	1.51E+00
4291	481863.09	3856877.25	1.57E+00	2.77E-04	2.89E-03	3.22E-03	1.58E+00	1.64E+00	2.83E+00	2.64E-01	1.10E-01	4.84E+00	1.64E+00	3.24E-04	2.89E-03	3.22E-03	1.65E+00
4292	482363.09	3856877.25	1.57E+00	5.30E-04	4.04E-03	3.31E-03	1.58E+00	1.64E+00	5.42E+00	3.68E-01	1.13E-01	7.54E+00	1.63E+00	6.20E-04	4.04E-03	3.31E-03	1.64E+00
4293	482863.09	3856877.25	1.63E+00	7.21E-04	4.78E-03	3.35E-03	1.64E+00	1.70E+00	7.36E+00	4.36E-01	1.15E-01	9.61E+00	1.70E+00	8.43E-04	4.78E-03	3.35E-03	1.71E+00
4294	483363.09	3856877.25	1.76E+00	1.08E-03	4.96E-03	3.44E-03	1.77E+00	1.84E+00	1.10E+01	4.53E-01	1.18E-01	1.35E+01	1.84E+00	1.26E-03	4.96E-03	3.44E-03	1.84E+00
4295	483863.09	3856877.25	1.94E+00	1.57E-03	5.33E-03	4.41E-03	1.95E+00	2.02E+00	1.60E+01	4.87E-01	1.51E-01	1.87E+01	2.02E+00	1.83E-03	5.33E-03	4.41E-03	2.03E+00
4296	484363.09	3856877.25	2.17E+00	1.58E-03	5.89E-03	8.21E-03	2.18E+00	2.26E+00	1.62E+01	5.37E-01	2.81E-01	1.92E+01	2.26E+00	1.85E-03	5.89E-03	8.21E-03	2.27E+00
4297	484863.09	3856877.25	2.51E+00	1.96E-03	6.59E-03	1.47E-02	2.53E+00	2.61E+00	2.00E+01	6.01E-01	5.04E-01	2.37E+01	2.61E+00	2.29E-03	6.59E-03	1.47E-02	2.63E+00
4298	485363.09	3856877.25	3.21E+00	1.04E-03	5.64E-03	1.17E-02	3.23E+00	3.35E+00	1.07E+01	5.14E-01	4.00E-01	1.49E+01	3.35E+00	1.22E-03	5.64E-03	1.17E-02	3.37E+00
4299	485863.09	3856877.25	4.37E+00	6.56E-04	5.14E-03	9.13E-03	4.38E+00	4.56E+00	6.70E+00	4.69E-01	3.12E-01	1.20E+01	4.55E+00	7.67E-04	5.14E-03	9.13E-03	4.56E+00
4300	486363.09	3856877.25	8.96E+00	2.07E-04	3.93E-03	8.56E-03	8.97E+00	9.34E+00	2.11E+00	3.58E-01	2.93E-01	1.21E+01	9.33E+00	2.42E-04	3.93E-03	8.56E-03	9.34E+00
4301	486863.09	3856877.25	1.28E+01	1.52E-04	3.87E-03	7.25E-03	1.28E+01	1.33E+01	1.56E+00	3.53E-01	2.48E-01	1.55E+01	1.33E+01	1.78E-04	3.87E-03	7.25E-03	1.33E+01
4302	487363.09	3856877.25	6.24E+00	2.31E-04	6.34E-03	6.61E-03	6.26E+00	6.52E+00	2.36E+00	5.78E-01	2.26E-01	9.68E+00	6.50E+00	2.70E-04	6.34E-03	6.61E-03	6.52E+00
4303	487863.09	3856877.25	4.74E+00	2.78E-04	9.40E-03	6.47E-03	4.76E+00	4.95E+00	2.84E+00	8.57E-01	2.21E-01	8.87E+00	4.94E+00	3.25E-04	9.40E-03	6.47E-03	4.96E+00
4304	488363.09	3856877.25	3.70E+00	2.81E-04	1.23E-02	5.92E-03	3.72E+00	3.86E+00	2.88E+00	1.13E+00	2.02E-01	8.07E+00	3.85E+00	3.29E-04	1.23E-02	5.92E-03	3.87E+00
4305	488863.09	3856877.25	2.97E+00	2.75E-04	1.40E-02	5.79E-03	2.99E+00	3.09E+00	2.81E+00	1.28E+00	1.98E-01	7.37E+00	3.09E+00	3.21E-04	1.40E-02	5.79E-03	3.11E+00
4306	489363.09	3856877.25	2.52E+00	2.67E-04	2.31E-02	5.46E-03	2.55E+00	2.63E+00	2.73E+00	2.11E+00	1.87E-01	7.66E+00	2.63E+00	3.13E-04	2.31E-02	5.46E-03	2.65E+00
4307	489863.09	3856877.25	2.21E+00	2.43E-04	2.17E-02	5.22E-03	2.24E+00	2.31E+00	2.49E+00	1.97E+00	1.79E-01	6.95E+00	2.31E+00	2.85E-04	2.17E-02	5.22E-03	2.33E+00
4308	490363.09	3856877.25	1.99E+00	2.07E-04	2.32E-02	5.06E-03	2.02E+00	2.08E+00	2.12E+00	2.11E+00	1.73E-01	6.48E+00	2.07E+00	2.43E-04	2.32E-02	5.06E-03	2.10E+00
4309	490863.09	3856877.25	1.77E+00	1.80E-04	3.20E-02	4.99E-03	1.81E+00	1.85E+00	1.84E+00	2.92E+00	1.71E-01	6.78E+00	1.85E+00	2.11E-04	3.20E-02	4.99E-03	1.88E+00
4310	491363.09	3856877.25	1.61E+00	1.48E-04	3.32E-02	5.08E-03	1.65E+00	1.68E+00	1.51E+00	3.03E+00	1.74E-01	6.39E+00	1.68E+00	1.73E-04	3.32E-02	5.08E-03	1.72E+00
4311	491863.09	3856877.25	1.46E+00	1.21E-04	3.55E-02	4.79E-03	1.50E+00	1.52E+00	1.24E+00	3.24E+00	1.64E-01	6.16E+00	1.52E+00	1.42E-04	3.55E-02	4.79E-03	1.56E+00
4312	492363.09	3856877.25	1.10E+00	6.38E-05	3.68E-02	4.21E-03	1.14E+00	1.15E+00	6.52E-01	3.35E+00	1.44E-01	5.30E+00	1.15E+00	7.47E-05	3.68E-02	4.21E-03	1.19E+00
4313	492863.09	3856877.25	6.55E-01	4.22E-05	3.57E-02	3.42E-03	6.94E-01	6.84E-01	4.31E-01	3.25E+00	1.17E-01	4.48E+00	6.82E-01	4.94E-05	3.57E-02	3.42E-03	7.21E-01
4314	493363.09	3856877.25	2.81E-01	3.56E-05	2.76E-02	2.99E-03	3.11E-01	2.93E-01	3.64E-01	2.52E+00	1.02E-01	3.27E+00	2.92E-01	4.16E-05	2.76E-02	2.99E-03	3.23E-01
4315	493863.09	3856877.25	1.51E-01	2.95E-05	2.10E-02	2.35E-03	1.74E-01	1.57E-01	3.02E-01	1.92E+00	8.05E-02	2.46E+00	1.57E-01	3.46E-05	2.10E-02	2.35E-03	1.80E-01
4316	494363.09	3856877.25	1.07E-01	2.54E-05	1.70E-02	2.17E-03	1.26E-01	1.11E-01	2.60E-01	1.55E+00	7.41E-02	2.00E+00	1.11E-01	2.98E-05	1.70E-02	2.17E-03	1.30E-01
4317	494863.09	3856877.25	8.82E-02	2.48E-05	1.50E-02	2.03E-03	1.05E-01	9.20E-02	2.54E-01	1.37E+00	6.93E-02	1.78E+00	9.18E-02	2.91E-05	1.50E-02	2.03E-03	1.09E-01
4318	495363.09	3856877.25	8.20E-02	2.40E-05	1.29E-02	2.04E-03	9.69E-02	8.55E-02	2.45E-01	1.17E+00	6.97E-02	1.57E+00	8.53E-02	2.81E-05	1.29E-02	2.04E-03	1.00E-01
4319	495863.09	3856877.25	8.09E-02	2.31E-05	1.18E-02	2.06E-03	9.48E-02	8.44E-02	2.36E-01	1.08E+00	7.05E-02	1.47E+00	8.42E-02	2.70E-05	1.18E-02	2.06E-03	9.81E-02
4320	496363.09	3856877.25	8.04E-02	2.25E-05	1.16E-02	2.09E-03	9.41E-02	8.39E-02	2.30E-01	1.05E+00	7.16E-02	1.44E+00	8.37E-02	2.64E-05	1.16E-02	2.09E-03	9.74E-02
4321	496863.09	3856877.25	8.21E-02	2.32E-05	1.23E-02	2.12E-03	9.66E-02	8.57E-02	2.37E-01	1.13E+00	7.25E-02	1.52E+00	8.55E-02	2.71E-05	1.23E-02	2.12E-03	1.00E-01
4322	497363.09	3856877.25	8.61E-02	2.46E-05	1.23E-02	2.22E-03	1.01E-01	8.98E-02	2.51E-01	1.12E+00	7.58E-02	1.54E+00	8.97E-02	2.87E-05	1.23E-02	2.22E-03	1.04E-01
4323	497863.09	3856877.25	1.04E-01	2.52E-05	1.31E-02	2.29E-03	1.19E-01	1.08E-01	2.58E-01	1.19E+00	7.84E-02	1.64E+00	1.08E-01	2.95E-05	1.31E-02	2.29E-03	1.24E-01
4324	498363.09	3856877.25	1.34E-01	2.64E-05	1.43E-02	2.33E-03	1.51E-01	1.40E-01	2.70E-01	1.31E+00	7.98E-02	1.80E+00	1.40E-01	3.09E-05	1.43E-02	2.33E-03	1.57E-01
4325	471363.09	3857377.25	3.94E-01	5.49E-05	7.52E-04	1.06E-03	3.96E-01	4.11E-01	5.61E-01	6.86E-02	3.64E-02	1.08E+00	4.10E-01	6.42E-05	7.52E-04	1.06E-03	4.12E-01
4326	471863.09	3857377.25	4.07E-01	5.42E-05	7.72E-04	1.10E-03	4.09E-01	4.25E-01	5.54E-01	7.04E-02	3.76E-02	1.09E+00	4.24E-01	6.34E-05	7.72E-04	1.10E-03	4.26E-01
4327	472363.09	3857377.25	4.20E-01	5.69E-05	7.94E-04	1.12E-03	4.22E-01	4.38E-01	5.81E-01	7.24E-02	3.84E-02	1.13E+00	4.38E-01	6.66E-05	7.94E-04	1.12E-03	4.40E-01

4328	472863.09	3857377.25	4.38E-01	5.94E-05	8.18E-04	1.23E-03	4.40E-01	4.57E-01	6.07E-01	7.46E-02	4.21E-02	1.18E+00	4.56E-01	6.95E-05	8.18E-04	1.23E-03	4.58E-01
4329	473363.09	3857377.25	4.67E-01	6.46E-05	8.43E-04	1.27E-03	4.69E-01	4.87E-01	6.60E-01	7.69E-02	4.33E-02	1.27E+00	4.86E-01	7.56E-05	8.43E-04	1.27E-03	4.88E-01
4330	473863.09	3857377.25	5.02E-01	7.26E-05	8.75E-04	1.39E-03	5.05E-01	5.24E-01	7.41E-01	7.98E-02	4.74E-02	1.39E+00	5.23E-01	8.49E-05	8.75E-04	1.39E-03	5.25E-01
4331	474363.09	3857377.25	4.80E-01	6.27E-05	8.85E-04	1.41E-03	4.83E-01	5.01E-01	6.41E-01	8.07E-02	4.82E-02	1.27E+00	5.00E-01	7.34E-05	8.85E-04	1.41E-03	5.03E-01
4332	474863.09	3857377.25	3.44E-01	4.11E-05	8.38E-04	1.45E-03	3.46E-01	3.59E-01	4.20E-01	7.64E-02	4.94E-02	9.05E-01	3.58E-01	4.81E-05	8.38E-04	1.45E-03	3.61E-01
4333	475363.09	3857377.25	1.82E-01	2.90E-05	8.62E-04	1.42E-03	1.84E-01	1.90E-01	2.96E-01	7.86E-02	4.84E-02	6.13E-01	1.89E-01	3.39E-05	8.62E-04	1.42E-03	1.92E-01
4334	475863.09	3857377.25	1.58E-01	2.89E-05	8.92E-04	1.42E-03	1.60E-01	1.65E-01	2.95E-01	8.13E-02	4.86E-02	5.89E-01	1.64E-01	3.38E-05	8.92E-04	1.42E-03	1.67E-01
4335	476363.09	3857377.25	2.16E-01	3.53E-05	9.29E-04	1.54E-03	2.19E-01	2.26E-01	3.60E-01	8.48E-02	5.25E-02	7.23E-01	2.25E-01	4.13E-05	9.29E-04	1.54E-03	2.28E-01
4336	476863.09	3857377.25	2.19E-01	3.62E-05	9.93E-04	1.65E-03	2.22E-01	2.29E-01	3.70E-01	9.06E-02	5.65E-02	7.46E-01	2.28E-01	4.24E-05	9.93E-04	1.65E-03	2.31E-01
4337	477363.09	3857377.25	1.75E-01	3.21E-05	1.06E-03	1.76E-03	1.78E-01	1.83E-01	3.28E-01	9.70E-02	6.02E-02	6.68E-01	1.83E-01	3.76E-05	1.06E-03	1.76E-03	1.85E-01
4338	477863.09	3857377.25	1.24E-01	2.79E-05	1.10E-03	1.72E-03	1.27E-01	1.29E-01	2.85E-01	1.00E-01	5.89E-02	5.73E-01	1.29E-01	3.26E-05	1.10E-03	1.72E-03	1.32E-01
4339	478363.09	3857377.25	1.00E-01	2.63E-05	1.19E-03	1.75E-03	1.03E-01	1.04E-01	2.69E-01	1.08E-01	6.00E-02	5.42E-01	1.04E-01	3.08E-05	1.19E-03	1.75E-03	1.07E-01
4340	478863.09	3857377.25	8.85E-02	2.47E-05	1.21E-03	1.81E-03	9.15E-02	9.23E-02	2.52E-01	1.10E-01	6.18E-02	5.16E-01	9.21E-02	2.88E-05	1.21E-03	1.81E-03	9.52E-02
4341	479363.09	3857377.25	1.30E-01	3.12E-05	1.26E-03	2.05E-03	1.34E-01	1.36E-01	3.19E-01	1.15E-01	7.01E-02	6.40E-01	1.36E-01	3.65E-05	1.26E-03	2.05E-03	1.39E-01
4342	479863.09	3857377.25	3.65E-01	5.09E-05	1.55E-03	2.75E-03	3.69E-01	3.80E-01	5.20E-01	1.41E-01	9.39E-02	1.14E+00	3.80E-01	5.95E-05	1.55E-03	2.75E-03	3.84E-01
4343	480363.09	3857377.25	2.52E-01	4.62E-05	1.63E-03	2.79E-03	2.56E-01	2.63E-01	4.72E-01	1.49E-01	9.55E-02	9.79E-01	2.62E-01	5.40E-05	1.63E-03	2.79E-03	2.67E-01
4344	480863.09	3857377.25	1.24E+00	1.51E-04	2.06E-03	3.22E-03	1.24E+00	1.29E+00	1.54E+00	1.88E-01	1.10E-01	3.13E+00	1.29E+00	1.76E-04	2.06E-03	3.22E-03	1.30E+00
4345	481363.09	3857377.25	1.29E+00	1.54E-04	2.12E-03	3.40E-03	1.30E+00	1.35E+00	1.58E+00	1.94E-01	1.16E-01	3.23E+00	1.35E+00	1.80E-04	2.12E-03	3.40E-03	1.35E+00
4346	481863.09	3857377.25	1.44E+00	2.04E-04	2.30E-03	3.91E-03	1.45E+00	1.51E+00	2.08E+00	2.09E-01	1.34E-01	3.93E+00	1.50E+00	2.38E-04	2.30E-03	3.91E-03	1.51E+00
4347	482363.09	3857377.25	1.48E+00	3.91E-04	2.44E-03	3.30E-03	1.48E+00	1.54E+00	3.99E+00	2.23E-01	1.13E-01	5.87E+00	1.54E+00	4.57E-04	2.44E-03	3.30E-03	1.54E+00
4348	482863.09	3857377.25	1.49E+00	5.24E-04	3.19E-03	3.46E-03	1.49E+00	1.55E+00	5.35E+00	2.91E-01	1.18E-01	7.31E+00	1.55E+00	6.13E-04	3.19E-03	3.46E-03	1.56E+00
4349	483363.09	3857377.25	1.56E+00	6.39E-04	3.97E-03	3.38E-03	1.57E+00	1.63E+00	6.53E+00	3.62E-01	1.16E-01	8.63E+00	1.62E+00	7.47E-04	3.97E-03	3.38E-03	1.63E+00
4350	483863.09	3857377.25	1.67E+00	8.93E-04	4.52E-03	3.87E-03	1.68E+00	1.75E+00	9.13E+00	4.12E-01	1.32E-01	1.14E+01	1.74E+00	1.05E-03	4.52E-03	3.87E-03	1.75E+00
4351	484363.09	3857377.25	1.83E+00	1.31E-03	5.50E-03	2.63E-03	1.84E+00	1.91E+00	1.34E+01	5.02E-01	9.00E-02	1.59E+01	1.90E+00	1.53E-03	5.50E-03	2.63E-03	1.91E+00
4352	484863.09	3857377.25	2.02E+00	1.55E-03	7.00E-03	2.93E-03	2.03E+00	2.11E+00	1.59E+01	6.38E-01	1.00E-01	1.87E+01	2.11E+00	1.82E-03	7.00E-03	2.93E-03	2.12E+00
4353	485363.09	3857377.25	2.36E+00	2.12E-03	8.73E-03	4.31E-03	2.37E+00	2.46E+00	2.16E+01	7.96E-01	1.47E-01	2.50E+01	2.45E+00	2.48E-03	8.73E-03	4.31E-03	2.47E+00
4354	485863.09	3857377.25	2.95E+00	1.51E-03	1.01E-02	4.00E-03	2.97E+00	3.08E+00	1.54E+01	9.18E-01	1.37E-01	1.96E+01	3.07E+00	1.77E-03	1.01E-02	4.00E-03	3.09E+00
4355	486363.09	3857377.25	4.17E+00	7.12E-04	1.17E-02	4.65E-03	4.19E+00	4.35E+00	7.27E+00	1.07E+00	1.59E-01	1.28E+01	4.34E+00	8.33E-04	1.17E-02	4.65E-03	4.36E+00
4356	486863.09	3857377.25	7.24E+00	3.16E-04	1.08E-02	4.84E-03	7.26E+00	7.55E+00	3.23E+00	9.83E-01	1.65E-01	1.19E+01	7.54E+00	3.69E-04	1.08E-02	4.84E-03	7.55E+00
4357	487363.09	3857377.25	6.84E+00	2.54E-04	9.08E-03	4.94E-03	6.85E+00	7.13E+00	2.59E+00	8.28E-01	1.69E-01	1.07E+01	7.12E+00	2.97E-04	9.08E-03	4.94E-03	7.13E+00
4358	487863.09	3857377.25	5.55E+00	3.32E-04	1.93E-02	5.54E-03	5.57E+00	5.79E+00	3.39E+00	1.76E+00	1.89E-01	1.11E+01	5.77E+00	3.89E-04	1.93E-02	5.54E-03	5.80E+00
4359	488363.09	3857377.25	4.52E+00	3.64E-04	2.49E-02	5.45E-03	4.55E+00	4.71E+00	3.72E+00	2.27E+00	1.87E-01	1.09E+01	4.70E+00	4.26E-04	2.49E-02	5.45E-03	4.73E+00
4360	488863.09	3857377.25	3.62E+00	3.73E-04	5.02E-02	5.35E-03	3.67E+00	3.77E+00	3.81E+00	4.58E+00	1.83E-01	1.23E+01	3.77E+00	4.37E-04	5.02E-02	5.35E-03	3.82E+00
4361	489363.09	3857377.25	2.99E+00	3.56E-04	3.79E-02	5.10E-03	3.03E+00	3.12E+00	3.64E+00	3.46E+00	1.74E-01	1.04E+01	3.11E+00	4.17E-04	3.79E-02	5.10E-03	3.16E+00
4362	489863.09	3857377.25	2.53E+00	2.90E-04	3.82E-02	4.66E-03	2.57E+00	2.64E+00	2.97E+00	3.48E+00	1.59E-01	9.24E+00	2.63E+00	3.40E-04	3.82E-02	4.66E-03	2.67E+00
4363	490363.09	3857377.25	2.15E+00	2.53E-04	4.37E-02	4.85E-03	2.20E+00	2.25E+00	2.58E+00	3.99E+00	1.66E-01	8.98E+00	2.24E+00	2.96E-04	4.37E-02	4.85E-03	2.29E+00
4364	490863.09	3857377.25	1.87E+00	2.09E-04	4.78E-02	5.23E-03	1.93E+00	1.96E+00	2.13E+00	4.36E+00	1.79E-01	8.63E+00	1.95E+00	2.44E-04	4.78E-02	5.23E-03	2.01E+00
4365	491363.09	3857377.25	1.68E+00	1.82E-04	5.15E-02	4.62E-03	1.73E+00	1.75E+00	1.86E+00	4.70E+00	1.58E-01	8.46E+00	1.75E+00	2.13E-04	5.15E-02	4.62E-03	1.80E+00
4366	491863.09	3857377.25	1.54E+00	1.36E-04	5.02E-02	4.63E-03	1.59E+00	1.61E+00	1.39E+00	4.58E+00	1.58E-01	7.73E+00	1.60E+00	1.59E-04	5.02E-02	4.63E-03	1.66E+00
4367	492363.09	3857377.25	1.06E+00	5.76E-05	4.90E-02	4.29E-03	1.11E+00	1.10E+00	5.89E-01	4.47E+00	1.47E-01	6.30E+00	1.10E+00	6.74E-05	4.90E-02	4.29E-03	1.15E+00
4368	492863.09	3857377.25	4.16E-01	4.18E-05	3.79E-02	3.56E-03	4.58E-01	4.34E-01	4.27E-01	3.46E+00	1.22E-01	4.44E+00	4.34E-01	4.88E-05	3.79E-02	3.56E-03	4.75E-01
4369	493363.09	3857377.25	2.01E-01	3.57E-05	2.45E-02	2.77E-03	2.28E-01	2.10E-01	3.65E-01	2.23E+00	9.48E-02	2.90E+00	2.09E-01	4.18E-05	2.45E-02	2.77E-03	2.37E-01
4370	493863.09	3857377.25	1.56E-01	3.13E-05	1.96E-02	2.54E-03	1.78E-01	1.63E-01	3.19E-01	1.79E+00	8.70E-02	2.36E+00	1.63E-01	3.66E-05	1.96E-02	2.54E-03	1.85E-01
4371	494363.09	3857377.25	1.21E-01	2.90E-05	1.64E-02	2.50E-03	1.40E-01	1.27E-01	2.96E-01	1.50E+00	8.54E-02	2.00E+00	1.26E-01	3.39E-05	1.64E-02	2.50E-03	1.45E-01
4372	494863.09	3857377.25	1.09E-01	2.85E-05	1.53E-02	2.42E-03	1.27E-01	1.14E-01	2.91E-01	1.40E+00	8.28E-02	1.88E+00	1.14E-01	3.33E-05	1.53E-02	2.42E-03	1.31E-01
4373	495363.09	3857377.25	1.00E-01	2.71E-05	1.40E-02	2.33E-03	1.16E-01	1.04E-01	2.77E-01	1.27E+00	7.97E-02	1.73E+00	1.04E-01	3.17E-05	1.40E-02	2.33E-03	1.21E-01
4374	495863.09	3857377.25	9.79E-02	2.76E-05	1.39E-02	2.40E-03	1.14E-01	1.02E-01	2.82E-01	1.26E+00	8.22E-02	1.73E+00	1.02E-01	3.22E-05	1.39E-02	2.40E-03	1.18E-01
4375	496363.09	3857377.25	9.75E-02	2.64E-05	1.33E-02	2.33E-03	1.13E-01	1.02E-01	2.69E-01	1.21E+00	7.96E-02	1.66E+00	1.01E-01	3.08E-05	1.33E-02	2.33E-03	1.17E-01
4376	496863.09	3857377.25	9.90E-02	2.58E-05	1.33E-02	2.24E-03	1.15E-01	1.03E-01	2.63E-01	1.21E+00	7.65E-02	1.65E+00	1.03E-01	3.01E-05	1.33E-02	2.24E-03	1.19E-01
4377	497363.09	3857377.25	1.08E-01	2.67E-05	1.36E-02	2.31E-03	1.24E-01	1.13E-01	2.73E-01	1.24E+00	7.89E-02	1.71E+00	1.13E-01	3.12E-05	1.36E-02	2.31E-03	1.29E-01
4378	497863.09	3857377.25	1.27E-01	2.83E-05	1.45E-02	2.50E-03	1.44E-01	1.32E-01	2.89E-01	1.32E+00	8.56E-02	1.83E+00	1.32E-01	3.31E-05	1.45E-02	2.50E-03	1.49E-01
4379	498363.09	3857377.25	2.01E-01	3.02E-05	1.55E-02	2.79E-03	2.20E-01	2.10E-01	3.09E-01	1.42E+00	9.55E-02	2.03E+00	2.10E-01	3.54E-05	1.55E-02	2.79E-03	2.28E-01
4380	471363.09	3857877.25	4.15E-01	6.10E-05	8.63E-04	1.05E-03	4.17E-01	4.33E-01	6.23E-01	7.87E-02	3.58E-02	1.17E+00	4.32E-01	7.14E-05	8.63E-04	1.05E-03	4.34E-01
4381	471863.09	3857877.25	4.29E-01	6.01E-05	8.86E-04	1.08E-03	4.31E-01	4.47E-01	6.14E-01	8.08E-02	3.70E-02	1.18E+00	4.46E-01	7.04E-05	8.86E-04	1.08E-03	4.48E-01
4382	472363.09	3857877.25	4.47E-01	6.12E-05	9.13E-04	1.11E-03	4.49E-01	4.67E-01	6.25E-01	8.33E-02	3.80E-02	1.21E+00	4.66E-01	7.16E-05	9.13E-04	1.11E-03	4.68E-01
4383	472863.09	3857877.25	4.76E-01	6.46E-05	9.42E-04	1.13E-03	4.79E-01	4.97E-01	6.60E-01	8.59E-02	3.85E-02	1.28E+00	4.96E-01	7.56E-05	9.42E-04	1.13E-03	4.98E-01
4384	473363.09	3857877.25	4.94E-01	6.51E-05	9.74E-04	1.18E-03	4.97E-01	5.16E-01	6.65E-01	8.88E-02	4.04E-02	1.31E+00	5.15E-01	7.62E-05	9.74E-04	1.18E-03	5.17E-01
4385	473863.09	3857877.25	5.23E-01	6.96E-05	1.01E-03	1.28E-03	5.25E-01	5.46E-01	7.11E-01	9.19E-02	4.39E-02	1.39E+00	5.45E-01	8.15E-05	1.01E-03	1.28E-03	5.47E-01
4386	474363.09	3857877.25	4.72E-01	5.46E-05	1.06E-03	1.38E-03	4.75E-01	4.93E-01	5.57E-01	9.71E-02	4.70E-02	1.19E+00	4.92E-01	6.38E-05	1.06E-03	1.38E-03	4.94E-01
4387	474863.09	3857877.25	3.10E-01	3.65E-05	1.08E-03	1.44E-03	3.13E-01	3.23E-01	3.73E-01	9.89E-02	4.91E-02	8.44E-01	3.23E-01	4.27E-05	1.08E-03	1.44E-03	3.25E-01
4388	475363.09	3857877.25	1.28E-01	2.42E-05	1.06E-03	1.35E-03	1.30E-01	1.33E-01	2.47E-01	9.71E-02	4.61E-02	5.24E-01	1.33E-01	2.83E-05	1.06E-03	1.35E-03	1.35E-01

4389	475863.09	3857877.25	6.35E-02	1.63E-05	1.09E-03	1.15E-03	6.57E-02	6.63E-02	1.67E-01	9.91E-02	3.92E-02	3.71E-01	6.61E-02	1.91E-05	1.09E-03	1.15E-03	6.84E-02
4390	476363.09	3857877.25	1.36E-01	2.55E-05	1.16E-03	1.37E-03	1.38E-01	1.42E-01	2.60E-01	1.06E-01	4.70E-02	5.54E-01	1.41E-01	2.98E-05	1.16E-03	1.37E-03	1.44E-01
4391	476863.09	3857877.25	1.67E-01	2.93E-05	1.28E-03	1.58E-03	1.70E-01	1.74E-01	2.99E-01	1.17E-01	5.41E-02	6.44E-01	1.74E-01	3.42E-05	1.28E-03	1.58E-03	1.77E-01
4392	477363.09	3857877.25	1.59E-01	2.95E-05	1.34E-03	1.70E-03	1.62E-01	1.66E-01	3.01E-01	1.22E-01	5.83E-02	6.48E-01	1.66E-01	3.45E-05	1.34E-03	1.70E-03	1.69E-01
4393	477863.09	3857877.25	1.50E-01	2.95E-05	1.41E-03	1.77E-03	1.53E-01	1.56E-01	3.02E-01	1.28E-01	6.05E-02	6.47E-01	1.56E-01	3.45E-05	1.41E-03	1.77E-03	1.59E-01
4394	478363.09	3857877.25	9.39E-02	2.37E-05	1.40E-03	1.74E-03	9.71E-02	9.80E-02	2.42E-01	1.28E-01	5.94E-02	5.27E-01	9.78E-02	2.77E-05	1.40E-03	1.74E-03	1.01E-01
4395	478863.09	3857877.25	8.11E-02	1.96E-05	1.40E-03	1.75E-03	8.43E-02	8.47E-02	2.00E-01	1.28E-01	5.99E-02	4.72E-01	8.45E-02	2.29E-05	1.40E-03	1.75E-03	8.77E-02
4396	479363.09	3857877.25	3.53E-01	4.90E-05	1.66E-03	2.79E-03	3.57E-01	3.68E-01	5.01E-01	1.51E-01	9.53E-02	1.12E+00	3.68E-01	5.74E-05	1.66E-03	2.79E-03	3.72E-01
4397	479863.09	3857877.25	9.03E-01	9.82E-05	1.77E-03	3.17E-03	9.08E-01	9.43E-01	1.00E+00	1.62E-01	1.08E-01	2.22E+00	9.41E-01	1.15E-04	1.77E-03	3.17E-03	9.46E-01
4398	480363.09	3857877.25	1.08E+00	1.47E-04	1.90E-03	3.28E-03	1.08E+00	1.13E+00	1.51E+00	1.73E-01	1.12E-01	2.92E+00	1.12E+00	1.73E-04	1.90E-03	3.28E-03	1.13E+00
4399	480863.09	3857877.25	1.14E+00	1.58E-04	2.05E-03	2.97E-03	1.15E+00	1.19E+00	1.62E+00	1.87E-01	1.01E-01	3.10E+00	1.19E+00	1.85E-04	2.05E-03	2.97E-03	1.19E+00
4400	481363.09	3857877.25	1.21E+00	1.67E-04	2.21E-03	3.31E-03	1.22E+00	1.26E+00	1.71E+00	2.01E-01	1.13E-01	3.29E+00	1.26E+00	1.96E-04	2.21E-03	3.31E-03	1.27E+00
4401	481863.09	3857877.25	1.30E+00	1.98E-04	2.36E-03	3.37E-03	1.30E+00	1.35E+00	2.02E+00	2.15E-01	1.15E-01	3.71E+00	1.35E+00	2.32E-04	2.36E-03	3.37E-03	1.36E+00
4402	482363.09	3857877.25	1.39E+00	2.86E-04	2.55E-03	3.29E-03	1.40E+00	1.45E+00	2.92E+00	2.33E-01	1.12E-01	4.72E+00	1.45E+00	3.35E-04	2.55E-03	3.29E-03	1.45E+00
4403	482863.09	3857877.25	1.32E+00	4.26E-04	2.89E-03	3.37E-03	1.33E+00	1.38E+00	4.35E+00	2.63E-01	1.15E-01	6.11E+00	1.38E+00	4.99E-04	2.89E-03	3.37E-03	1.38E+00
4404	483363.09	3857877.25	1.38E+00	4.86E-04	3.33E-03	2.80E-03	1.38E+00	1.44E+00	4.97E+00	3.04E-01	9.58E-02	6.80E+00	1.43E+00	5.69E-04	3.33E-03	2.80E-03	1.44E+00
4405	483863.09	3857877.25	1.48E+00	5.83E-04	3.92E-03	2.39E-03	1.48E+00	1.54E+00	5.95E+00	3.57E-01	8.18E-02	7.93E+00	1.54E+00	6.82E-04	3.92E-03	2.39E-03	1.55E+00
4406	484363.09	3857877.25	1.57E+00	7.75E-04	4.51E-03	2.33E-03	1.58E+00	1.64E+00	7.92E+00	4.11E-01	7.96E-02	1.00E+01	1.64E+00	9.07E-04	4.51E-03	2.33E-03	1.64E+00
4407	484863.09	3857877.25	1.69E+00	9.03E-04	5.70E-03	2.94E-03	1.70E+00	1.76E+00	9.23E+00	5.20E-01	1.01E-01	1.16E+01	1.76E+00	1.06E-03	5.70E-03	2.94E-03	1.77E+00
4408	485363.09	3857877.25	1.91E+00	1.02E-03	7.52E-03	3.33E-03	1.92E+00	1.99E+00	1.04E+01	6.86E-01	1.14E-01	1.32E+01	1.99E+00	1.19E-03	7.52E-03	3.33E-03	2.00E+00
4409	485863.09	3857877.25	2.27E+00	1.44E-03	1.05E-02	3.22E-03	2.28E+00	2.37E+00	1.47E+01	9.62E-01	1.10E-01	1.81E+01	2.36E+00	1.68E-03	1.05E-02	3.22E-03	2.38E+00
4410	486363.09	3857877.25	2.90E+00	2.29E-03	1.45E-02	4.64E-03	2.92E+00	3.02E+00	2.34E+01	1.32E+00	1.59E-01	2.79E+01	3.02E+00	2.67E-03	1.45E-02	4.64E-03	3.04E+00
4411	486863.09	3857877.25	3.54E+00	9.98E-04	2.37E-02	3.39E-03	3.57E+00	3.69E+00	1.02E+01	2.16E+00	1.16E-01	1.62E+01	3.69E+00	1.17E-03	2.37E-02	3.39E-03	3.72E+00
4412	487363.09	3857877.25	4.42E+00	6.62E-04	3.92E-02	4.04E-03	4.46E+00	4.61E+00	6.76E+00	3.58E+00	1.38E-01	1.51E+01	4.60E+00	7.74E-04	3.92E-02	4.04E-03	4.65E+00
4413	487863.09	3857877.25	3.99E+00	5.46E-04	7.93E-02	4.91E-03	4.07E+00	4.16E+00	5.57E+00	7.23E+00	1.68E-01	1.71E+01	4.15E+00	6.38E-04	7.93E-02	4.91E-03	4.24E+00
4414	488363.09	3857877.25	4.26E+00	5.01E-04	2.48E-01	4.84E-03	4.51E+00	4.44E+00	5.12E+00	2.26E+01	1.65E-01	3.23E+01	4.44E+00	5.86E-04	2.48E-01	4.84E-03	4.69E+00
4415	488863.09	3857877.25	4.07E+00	4.70E-04	1.03E-01	4.72E-03	4.18E+00	4.25E+00	4.80E+00	9.41E+00	1.62E-01	1.86E+01	4.24E+00	5.50E-04	1.03E-01	4.72E-03	4.35E+00
4416	489363.09	3857877.25	3.41E+00	4.16E-04	7.33E-02	4.64E-03	3.49E+00	3.56E+00	4.25E+00	6.69E+00	1.59E-01	1.47E+01	3.55E+00	4.86E-04	7.33E-02	4.64E-03	3.63E+00
4417	489863.09	3857877.25	2.92E+00	3.41E-04	6.74E-02	4.60E-03	3.00E+00	3.05E+00	3.48E+00	6.15E+00	1.57E-01	1.28E+01	3.05E+00	3.99E-04	6.74E-02	4.60E-03	3.12E+00
4418	490363.09	3857877.25	2.46E+00	3.03E-04	6.33E-02	4.92E-03	2.53E+00	2.57E+00	3.09E+00	5.78E+00	1.68E-01	1.16E+01	2.56E+00	3.54E-04	6.33E-02	4.92E-03	2.63E+00
4419	490863.09	3857877.25	2.17E+00	2.65E-04	5.75E-02	4.49E-03	2.23E+00	2.27E+00	2.70E+00	5.24E+00	1.54E-01	1.04E+01	2.26E+00	3.10E-04	5.75E-02	4.49E-03	2.32E+00
4420	491363.09	3857877.25	1.91E+00	1.81E-04	5.32E-02	4.99E-03	1.97E+00	1.99E+00	1.85E+00	4.85E+00	1.71E-01	8.86E+00	1.99E+00	2.11E-04	5.32E-02	4.99E-03	2.04E+00
4421	491863.09	3857877.25	1.59E+00	1.13E-04	4.84E-02	5.48E-03	1.65E+00	1.66E+00	1.15E+00	4.41E+00	1.88E-01	7.41E+00	1.66E+00	1.32E-04	4.84E-02	5.48E-03	1.71E+00
4422	492363.09	3857877.25	8.67E-01	5.53E-05	4.10E-02	4.54E-03	9.12E-01	9.04E-01	5.65E-01	3.74E+00	1.55E-01	5.36E+00	9.03E-01	6.47E-05	4.10E-02	4.54E-03	9.48E-01
4423	492863.09	3857877.25	3.26E-01	4.67E-05	2.98E-02	3.43E-03	3.59E-01	3.40E-01	4.78E-01	2.71E+00	1.17E-01	3.65E+00	3.39E-01	5.47E-05	2.98E-02	3.43E-03	3.73E-01
4424	493363.09	3857877.25	2.38E-01	3.73E-05	2.38E-02	3.30E-03	2.65E-01	2.48E-01	3.81E-01	2.17E+00	1.13E-01	2.91E+00	2.48E-01	4.37E-05	2.38E-02	3.30E-03	2.75E-01
4425	493863.09	3857877.25	2.03E-01	3.48E-05	2.12E-02	3.16E-03	2.27E-01	2.11E-01	3.56E-01	1.94E+00	1.08E-01	2.61E+00	2.11E-01	4.08E-05	2.12E-02	3.16E-03	2.35E-01
4426	494363.09	3857877.25	1.82E-01	3.44E-05	1.93E-02	2.98E-03	2.05E-01	1.90E-01	3.51E-01	1.76E+00	1.02E-01	2.40E+00	1.90E-01	4.02E-05	1.93E-02	2.98E-03	2.12E-01
4427	494863.09	3857877.25	1.47E-01	3.16E-05	1.68E-02	2.85E-03	1.67E-01	1.54E-01	3.23E-01	1.53E+00	9.75E-02	2.10E+00	1.53E-01	3.69E-05	1.68E-02	2.85E-03	1.73E-01
4428	495363.09	3857877.25	1.38E-01	3.07E-05	1.54E-02	2.74E-03	1.56E-01	1.44E-01	3.14E-01	1.40E+00	9.36E-02	1.96E+00	1.44E-01	3.59E-05	1.54E-02	2.74E-03	1.62E-01
4429	495863.09	3857877.25	1.29E-01	3.00E-05	1.44E-02	2.65E-03	1.47E-01	1.35E-01	3.07E-01	1.31E+00	9.07E-02	1.84E+00	1.35E-01	3.51E-05	1.44E-02	2.65E-03	1.52E-01
4430	496363.09	3857877.25	1.33E-01	3.04E-05	1.41E-02	2.66E-03	1.50E-01	1.39E-01	3.11E-01	1.28E+00	9.11E-02	1.82E+00	1.39E-01	3.56E-05	1.41E-02	2.66E-03	1.56E-01
4431	496863.09	3857877.25	1.38E-01	3.10E-05	1.37E-02	2.65E-03	1.54E-01	1.44E-01	3.16E-01	1.25E+00	9.06E-02	1.80E+00	1.43E-01	3.62E-05	1.37E-02	2.65E-03	1.60E-01
4432	497363.09	3857877.25	1.39E-01	2.99E-05	1.32E-02	2.71E-03	1.55E-01	1.45E-01	3.06E-01	1.21E+00	9.27E-02	1.75E+00	1.45E-01	3.50E-05	1.32E-02	2.71E-03	1.61E-01
4433	497863.09	3857877.25	1.86E-01	3.05E-05	1.40E-02	2.77E-03	2.03E-01	1.94E-01	3.12E-01	1.28E+00	9.48E-02	1.88E+00	1.93E-01	3.57E-05	1.40E-02	2.77E-03	2.10E-01
4434	498363.09	3857877.25	2.82E-01	3.15E-05	1.50E-02	3.00E-03	3.00E-01	2.94E-01	3.22E-01	1.37E+00	1.03E-01	2.09E+00	2.93E-01	3.68E-05	1.50E-02	3.00E-03	3.11E-01
4435	471363.09	3858377.25	4.48E-01	6.85E-05	8.23E-04	1.07E-03	4.50E-01	4.68E-01	7.00E-01	7.50E-02	3.64E-02	1.28E+00	4.67E-01	8.01E-05	8.23E-04	1.07E-03	4.69E-01
4436	471863.09	3858377.25	4.54E-01	6.68E-05	8.44E-04	1.12E-03	4.56E-01	4.74E-01	6.82E-01	7.70E-02	3.83E-02	1.27E+00	4.73E-01	7.81E-05	8.44E-04	1.12E-03	4.75E-01
4437	472363.09	3858377.25	4.65E-01	6.62E-05	8.74E-04	1.15E-03	4.67E-01	4.85E-01	6.76E-01	7.97E-02	3.93E-02	1.28E+00	4.84E-01	7.74E-05	8.74E-04	1.15E-03	4.86E-01
4438	472863.09	3858377.25	4.85E-01	6.84E-05	9.02E-04	1.27E-03	4.87E-01	5.06E-01	6.99E-01	8.22E-02	4.36E-02	1.33E+00	5.05E-01	8.00E-05	9.02E-04	1.27E-03	5.07E-01
4439	473363.09	3858377.25	5.26E-01	8.10E-05	9.22E-04	1.39E-03	5.28E-01	5.48E-01	8.28E-01	8.41E-02	4.77E-02	1.51E+00	5.47E-01	9.48E-05	9.22E-04	1.39E-03	5.50E-01
4440	473863.09	3858377.25	5.38E-01	7.12E-05	9.86E-04	1.60E-03	5.40E-01	5.61E-01	7.28E-01	9.00E-02	5.46E-02	1.43E+00	5.60E-01	8.33E-05	9.86E-04	1.60E-03	5.63E-01
4441	474363.09	3858377.25	4.70E-01	5.34E-05	1.04E-03	1.64E-03	4.72E-01	4.90E-01	5.46E-01	9.50E-02	5.60E-02	1.19E+00	4.89E-01	6.25E-05	1.04E-03	1.64E-03	4.92E-01
4442	474863.09	3858377.25	3.28E-01	3.92E-05	1.09E-03	1.62E-03	3.31E-01	3.42E-01	4.00E-01	9.93E-02	5.53E-02	8.97E-01	3.41E-01	4.58E-05	1.09E-03	1.62E-03	3.44E-01
4443	475363.09	3858377.25	1.61E-01	2.81E-05	1.07E-03	1.46E-03	1.64E-01	1.68E-01	2.88E-01	9.78E-02	5.01E-02	6.04E-01	1.68E-01	3.29E-05	1.07E-03	1.46E-03	1.71E-01
4444	475863.09	3858377.25	1.12E-01	2.30E-05	1.12E-03	1.41E-03	1.14E-01	1.17E-01	2.35E-01	1.02E-01	4.81E-02	5.02E-01	1.16E-01	2.69E-05	1.12E-03	1.41E-03	1.19E-01
4445	476363.09	3858377.25	1.16E-01	2.45E-05	1.18E-03	1.49E-03	1.19E-01	1.21E-01	2.50E-01	1.08E-01	5.09E-02	5.30E-01	1.21E-01	2.86E-05	1.18E-03	1.49E-03	1.23E-01
4446	476863.09	3858377.25	1.23E-01	2.64E-05	1.25E-03	1.64E-03	1.26E-01	1.28E-01	2.69E-01	1.14E-01	5.61E-02	5.68E-01	1.28E-01	3.08E-05	1.25E-03	1.64E-03	1.31E-01
4447	477363.09	3858377.25	1.14E-01	2.58E-05	1.33E-03	1.73E-03	1.17E-01	1.19E-01	2.63E-01	1.21E-01	5.91E-02	5.63E-01	1.19E-01	3.01E-05	1.33E-03	1.73E-03	1.22E-01
4448	477863.09	3858377.25	1.50E-01	3.17E-05	1.42E-03	2.04E-03	1.54E-01	1.57E-01	3.24E-01	1.30E-01	6.97E-02	6.79E-01	1.56E-01	3.71E-05	1.42E-03	2.04E-03	1.60E-01
4449	478363.09	3858377.25	1.56E-01	3.36E-05	1.50E-03	2.17E-03	1.60E-01	1.63E-01	3.44E-01	1.37E-01	7.42E-02	7.18E-01	1.63E-01	3.94E-05	1.50E-03	2.17E-03	1.67E-01

4450	478863.09	3858377.25	1.13E-01	2.73E-05	1.60E-03	1.87E-03	1.16E-01	1.17E-01	2.79E-01	1.46E-01	6.39E-02	6.07E-01	1.17E-01	3.19E-05	1.60E-03	1.87E-03	1.21E-01
4451	479363.09	3858377.25	4.01E-01	5.10E-05	1.88E-03	2.42E-03	4.05E-01	4.18E-01	5.21E-01	1.72E-01	8.27E-02	1.19E+00	4.17E-01	5.97E-05	1.88E-03	2.42E-03	4.21E-01
4452	479863.09	3858377.25	9.36E-01	1.10E-04	2.15E-03	2.82E-03	9.41E-01	9.76E-01	1.12E+00	1.96E-01	9.65E-02	2.39E+00	9.75E-01	1.28E-04	2.15E-03	2.82E-03	9.80E-01
4453	480363.09	3858377.25	1.02E+00	1.54E-04	2.37E-03	3.02E-03	1.03E+00	1.07E+00	1.57E+00	2.16E-01	1.03E-01	2.96E+00	1.07E+00	1.80E-04	2.37E-03	3.02E-03	1.07E+00
4454	480863.09	3858377.25	1.06E+00	1.61E-04	2.59E-03	2.92E-03	1.07E+00	1.11E+00	1.65E+00	2.36E-01	9.98E-02	3.10E+00	1.11E+00	1.89E-04	2.59E-03	2.92E-03	1.11E+00
4455	481363.09	3858377.25	1.11E+00	1.78E-04	2.88E-03	2.94E-03	1.12E+00	1.16E+00	1.82E+00	2.63E-01	1.00E-01	3.34E+00	1.16E+00	2.08E-04	2.88E-03	2.94E-03	1.16E+00
4456	481863.09	3858377.25	1.17E+00	1.87E-04	3.18E-03	2.75E-03	1.18E+00	1.22E+00	1.91E+00	2.90E-01	9.40E-02	3.52E+00	1.22E+00	2.18E-04	3.18E-03	2.75E-03	1.23E+00
4457	482363.09	3858377.25	1.23E+00	2.19E-04	3.12E-03	2.76E-03	1.23E+00	1.28E+00	2.24E+00	2.84E-01	9.45E-02	3.90E+00	1.28E+00	2.56E-04	3.12E-03	2.76E-03	1.28E+00
4458	482863.09	3858377.25	1.27E+00	3.26E-04	3.53E-03	2.62E-03	1.28E+00	1.33E+00	3.33E+00	3.22E-01	8.98E-02	5.07E+00	1.32E+00	3.81E-04	3.53E-03	2.62E-03	1.33E+00
4459	483363.09	3858377.25	1.23E+00	4.39E-04	4.56E-03	2.46E-03	1.23E+00	1.28E+00	4.48E+00	4.15E-01	8.42E-02	6.26E+00	1.28E+00	5.13E-04	4.56E-03	2.46E-03	1.28E+00
4460	483863.09	3858377.25	1.27E+00	5.07E-04	5.56E-03	2.40E-03	1.28E+00	1.33E+00	5.18E+00	5.07E-01	8.21E-02	7.10E+00	1.33E+00	5.93E-04	5.56E-03	2.40E-03	1.34E+00
4461	484363.09	3858377.25	1.37E+00	6.18E-04	6.39E-03	2.60E-03	1.38E+00	1.43E+00	6.32E+00	5.82E-01	8.90E-02	8.42E+00	1.43E+00	7.23E-04	6.39E-03	2.60E-03	1.44E+00
4462	484863.09	3858377.25	1.48E+00	7.41E-04	7.25E-03	2.71E-03	1.49E+00	1.55E+00	7.57E+00	6.62E-01	9.28E-02	9.87E+00	1.54E+00	8.66E-04	7.25E-03	2.71E-03	1.55E+00
4463	485363.09	3858377.25	1.65E+00	8.57E-04	8.05E-03	3.21E-03	1.66E+00	1.72E+00	8.75E+00	7.34E-01	1.10E-01	1.13E+01	1.71E+00	1.00E-03	8.05E-03	3.21E-03	1.73E+00
4464	485863.09	3858377.25	1.89E+00	1.14E-03	9.42E-03	4.05E-03	1.90E+00	1.97E+00	1.16E+01	8.59E-01	1.39E-01	1.46E+01	1.97E+00	1.33E-03	9.42E-03	4.05E-03	1.98E+00
4465	486363.09	3858377.25	2.27E+00	1.91E-03	1.25E-02	9.44E-03	2.29E+00	2.37E+00	1.96E+01	1.14E+00	3.23E-01	2.34E+01	2.36E+00	2.24E-03	1.25E-02	9.44E-03	2.39E+00
4466	486863.09	3858377.25	2.89E+00	2.10E-03	1.63E-02	9.63E-03	2.92E+00	3.02E+00	2.15E+01	1.49E+00	3.29E-01	2.63E+01	3.01E+00	2.46E-03	1.63E-02	9.63E-03	3.04E+00
4467	487363.09	3858377.25	3.38E+00	1.16E-03	1.79E-02	6.31E-03	3.41E+00	3.53E+00	1.18E+01	1.63E+00	2.16E-01	1.72E+01	3.52E+00	1.35E-03	1.79E-02	6.31E-03	3.55E+00
4468	487863.09	3858377.25	3.47E+00	8.64E-04	1.36E-02	6.95E-03	3.49E+00	3.62E+00	8.83E+00	1.24E+00	2.38E-01	1.39E+01	3.61E+00	1.01E-03	1.36E-02	6.95E-03	3.63E+00
4469	488363.09	3858377.25	3.42E+00	7.94E-04	2.30E-02	6.26E-03	3.45E+00	3.56E+00	8.12E+00	2.10E+00	2.14E-01	1.40E+01	3.56E+00	9.29E-04	2.30E-02	6.26E-03	3.59E+00
4470	488863.09	3858377.25	3.36E+00	6.39E-04	7.29E-02	5.93E-03	3.44E+00	3.50E+00	6.53E+00	6.65E+00	2.03E-01	1.69E+01	3.50E+00	7.47E-04	7.29E-02	5.93E-03	3.57E+00
4471	489363.09	3858377.25	3.21E+00	5.25E-04	5.16E-02	5.43E-03	3.27E+00	3.35E+00	5.37E+00	4.71E+00	1.86E-01	1.36E+01	3.35E+00	6.15E-04	5.16E-02	5.43E-03	3.40E+00
4472	489863.09	3858377.25	2.85E+00	4.41E-04	4.50E-02	5.19E-03	2.90E+00	2.98E+00	4.50E+00	4.10E+00	1.78E-01	1.18E+01	2.97E+00	5.16E-04	4.50E-02	5.19E-03	3.02E+00
4473	490363.09	3858377.25	2.47E+00	3.61E-04	4.87E-02	4.71E-03	2.52E+00	2.57E+00	3.68E+00	4.44E+00	1.61E-01	1.09E+01	2.57E+00	4.22E-04	4.87E-02	4.71E-03	2.62E+00
4474	490863.09	3858377.25	2.31E+00	3.13E-04	4.99E-02	4.73E-03	2.37E+00	2.41E+00	3.19E+00	4.55E+00	1.62E-01	1.03E+01	2.41E+00	3.66E-04	4.99E-02	4.73E-03	2.46E+00
4475	491363.09	3858377.25	2.06E+00	2.04E-04	4.84E-02	5.51E-03	2.11E+00	2.15E+00	2.08E+00	4.41E+00	1.88E-01	8.84E+00	2.15E+00	2.38E-04	4.84E-02	5.51E-03	2.20E+00
4476	491863.09	3858377.25	1.65E+00	9.27E-05	4.54E-02	6.38E-03	1.70E+00	1.72E+00	9.47E-01	4.14E+00	2.18E-01	7.03E+00	1.72E+00	1.08E-04	4.54E-02	6.38E-03	1.77E+00
4477	492363.09	3858377.25	6.17E-01	5.38E-05	3.48E-02	4.29E-03	6.56E-01	6.43E-01	5.49E-01	3.18E+00	1.47E-01	4.52E+00	6.42E-01	6.29E-05	3.48E-02	4.29E-03	6.81E-01
4478	492863.09	3858377.25	7.74E-01	5.27E-05	3.56E-02	4.46E-03	8.15E-01	8.08E-01	5.38E-01	3.24E+00	1.53E-01	4.74E+00	8.07E-01	6.17E-05	3.56E-02	4.46E-03	8.47E-01
4479	493363.09	3858377.25	5.06E-01	4.75E-05	2.93E-02	4.00E-03	5.39E-01	5.28E-01	4.85E-01	2.67E+00	1.37E-01	3.82E+00	5.27E-01	5.56E-05	2.93E-02	4.00E-03	5.60E-01
4480	493863.09	3858377.25	4.02E-01	4.51E-05	2.48E-02	3.81E-03	4.31E-01	4.19E-01	4.61E-01	2.26E+00	1.30E-01	3.27E+00	4.19E-01	5.28E-05	2.48E-02	3.81E-03	4.47E-01
4481	494363.09	3858377.25	3.10E-01	4.13E-05	2.08E-02	3.63E-03	3.34E-01	3.23E-01	4.22E-01	1.90E+00	1.24E-01	2.77E+00	3.22E-01	4.83E-05	2.08E-02	3.63E-03	3.47E-01
4482	494863.09	3858377.25	2.55E-01	3.86E-05	1.86E-02	3.41E-03	2.77E-01	2.66E-01	3.94E-01	1.70E+00	1.17E-01	2.47E+00	2.66E-01	4.51E-05	1.86E-02	3.41E-03	2.88E-01
4483	495363.09	3858377.25	2.05E-01	3.47E-05	1.64E-02	3.25E-03	2.24E-01	2.14E-01	3.54E-01	1.49E+00	1.11E-01	2.17E+00	2.13E-01	4.06E-05	1.64E-02	3.25E-03	2.33E-01
4484	495863.09	3858377.25	2.01E-01	3.40E-05	1.56E-02	3.13E-03	2.20E-01	2.10E-01	3.47E-01	1.43E+00	1.07E-01	2.09E+00	2.09E-01	3.97E-05	1.56E-02	3.13E-03	2.28E-01
4485	496363.09	3858377.25	1.94E-01	3.32E-05	1.49E-02	3.02E-03	2.12E-01	2.02E-01	3.39E-01	1.36E+00	1.03E-01	2.00E+00	2.02E-01	3.88E-05	1.49E-02	3.02E-03	2.20E-01
4486	496863.09	3858377.25	2.16E-01	3.34E-05	1.47E-02	2.92E-03	2.33E-01	2.25E-01	3.41E-01	1.34E+00	1.00E-01	2.01E+00	2.25E-01	3.91E-05	1.47E-02	2.92E-03	2.42E-01
4487	497363.09	3858377.25	2.28E-01	3.16E-05	1.40E-02	2.96E-03	2.45E-01	2.37E-01	3.22E-01	1.28E+00	1.01E-01	1.94E+00	2.37E-01	3.69E-05	1.40E-02	2.96E-03	2.54E-01
4488	497863.09	3858377.25	3.24E-01	3.52E-05	1.45E-02	3.15E-03	3.42E-01	3.38E-01	3.59E-01	1.32E+00	1.08E-01	2.12E+00	3.37E-01	4.11E-05	1.45E-02	3.15E-03	3.55E-01
4489	498363.09	3858377.25	4.77E-01	4.07E-05	1.53E-02	3.65E-03	4.96E-01	4.98E-01	4.16E-01	1.40E+00	1.25E-01	2.44E+00	4.97E-01	4.76E-05	1.53E-02	3.65E-03	5.16E-01
4490	471363.09	3858877.25	4.33E-01	6.55E-05	8.11E-04	1.19E-03	4.35E-01	4.52E-01	6.69E-01	7.40E-02	4.05E-02	1.24E+00	4.51E-01	7.66E-05	8.11E-04	1.19E-03	4.53E-01
4491	471863.09	3858877.25	4.36E-01	6.52E-05	8.60E-04	1.28E-03	4.38E-01	4.55E-01	6.66E-01	7.84E-02	4.38E-02	1.24E+00	4.54E-01	7.63E-05	8.60E-04	1.28E-03	4.56E-01
4492	472363.09	3858877.25	4.51E-01	6.97E-05	8.89E-04	1.44E-03	4.53E-01	4.70E-01	7.12E-01	8.10E-02	4.91E-02	1.31E+00	4.69E-01	8.16E-05	8.89E-04	1.44E-03	4.72E-01
4493	472863.09	3858877.25	4.68E-01	7.43E-05	9.14E-04	1.46E-03	4.71E-01	4.89E-01	7.59E-01	8.34E-02	5.01E-02	1.38E+00	4.88E-01	8.69E-05	9.14E-04	1.46E-03	4.90E-01
4494	473363.09	3858877.25	5.01E-01	8.42E-05	9.43E-04	1.43E-03	5.03E-01	5.22E-01	8.60E-01	8.60E-02	4.91E-02	1.52E+00	5.21E-01	9.85E-05	9.43E-04	1.43E-03	5.24E-01
4495	473863.09	3858877.25	4.96E-01	8.06E-05	9.76E-04	1.51E-03	4.98E-01	5.17E-01	8.23E-01	8.90E-02	5.16E-02	1.48E+00	5.16E-01	9.43E-05	9.76E-04	1.51E-03	5.19E-01
4496	474363.09	3858877.25	4.80E-01	6.35E-05	1.02E-03	1.64E-03	4.82E-01	5.01E-01	6.49E-01	9.29E-02	5.61E-02	1.30E+00	5.00E-01	7.43E-05	1.02E-03	1.64E-03	5.02E-01
4497	474863.09	3858877.25	1.59E-01	2.72E-05	1.01E-03	1.37E-03	1.61E-01	1.65E-01	2.78E-01	9.22E-02	4.70E-02	5.83E-01	1.65E-01	3.19E-05	1.01E-03	1.37E-03	1.68E-01
4498	475363.09	3858877.25	1.12E-01	2.45E-05	1.03E-03	1.41E-03	1.15E-01	1.17E-01	2.51E-01	9.42E-02	4.83E-02	5.10E-01	1.17E-01	2.87E-05	1.03E-03	1.41E-03	1.19E-01
4499	475863.09	3858877.25	1.28E-01	2.61E-05	1.07E-03	1.52E-03	1.31E-01	1.33E-01	2.66E-01	9.80E-02	5.21E-02	5.50E-01	1.33E-01	3.05E-05	1.07E-03	1.52E-03	1.36E-01
4500	476363.09	3858877.25	8.70E-02	2.08E-05	1.02E-03	1.51E-03	8.95E-02	9.08E-02	2.12E-01	9.26E-02	5.15E-02	4.47E-01	9.06E-02	2.43E-05	1.02E-03	1.51E-03	9.31E-02
4501	476863.09	3858877.25	9.97E-02	2.45E-05	1.08E-03	1.63E-03	1.02E-01	1.04E-01	2.50E-01	9.83E-02	5.59E-02	5.08E-01	1.04E-01	2.86E-05	1.08E-03	1.63E-03	1.07E-01
4502	477363.09	3858877.25	1.02E-01	2.54E-05	1.15E-03	1.64E-03	1.04E-01	1.06E-01	2.60E-01	1.05E-01	5.61E-02	5.26E-01	1.06E-01	2.97E-05	1.15E-03	1.64E-03	1.09E-01
4503	477863.09	3858877.25	1.20E-01	2.79E-05	1.25E-03	1.74E-03	1.23E-01	1.25E-01	2.85E-01	1.14E-01	5.95E-02	5.84E-01	1.25E-01	3.27E-05	1.25E-03	1.74E-03	1.28E-01
4504	478363.09	3858877.25	2.56E-01	4.07E-05	1.41E-03	2.10E-03	2.60E-01	2.68E-01	4.15E-01	1.29E-01	7.17E-02	8.83E-01	2.67E-01	4.76E-05	1.41E-03	2.10E-03	2.71E-01
4505	478863.09	3858877.25	1.87E-01	3.76E-05	1.50E-03	2.14E-03	1.91E-01	1.95E-01	3.84E-01	1.37E-01	7.31E-02	7.89E-01	1.95E-01	4.39E-05	1.50E-03	2.14E-03	1.98E-01
4506	479363.09	3858877.25	1.49E-01	3.31E-05	1.62E-03	2.26E-03	1.53E-01	1.55E-01	3.38E-01	1.48E-01	7.72E-02	7.18E-01	1.55E-01	3.87E-05	1.62E-03	2.26E-03	1.59E-01
4507	479863.09	3858877.25	9.06E-01	1.27E-04	2.00E-03	2.62E-03	9.11E-01	9.46E-01	1.30E+00	1.83E-01	8.95E-02	2.52E+00	9.44E-01	1.49E-04	2.00E-03	2.62E-03	9.49E-01
4508	480363.09	3858877.25	9.50E-01	1.55E-04	2.11E-03	2.76E-03	9.55E-01	9.92E-01	1.58E+00	1.92E-01	9.45E-02	2.86E+00	9.90E-01	1.81E-04	2.11E-03	2.76E-03	9.95E-01
4509	480863.09	3858877.25	9.76E-01	1.73E-04	2.34E-03	2.77E-03	9.82E-01	1.02E+00	1.77E+00	2.13E-01	9.46E-02	3.09E+00	1.02E+00	2.02E-04	2.34E-03	2.77E-03	1.02E+00
4510	481363.09	3858877.25	1.02E+00	1.85E-04	2.79E-03	2.71E-03	1.02E+00	1.06E+00	1.89E+00	2.54E-01	9.26E-02	3.30E+00	1.06E+00	2.17E-04	2.79E-03	2.71E-03	1.07E+00

4511	481863.09	3858877.25	1.06E+00	2.10E-04	3.24E-03	2.47E-03	1.07E+00	1.11E+00	2.14E+00	2.96E-01	8.45E-02	3.63E+00	1.11E+00	2.45E-04	3.24E-03	2.47E-03	1.11E+00
4512	482363.09	3858877.25	1.09E+00	2.13E-04	3.85E-03	2.73E-03	1.09E+00	1.13E+00	2.18E+00	3.52E-01	9.35E-02	3.76E+00	1.13E+00	2.50E-04	3.85E-03	2.73E-03	1.14E+00
4513	482863.09	3858877.25	1.13E+00	2.39E-04	4.26E-03	2.57E-03	1.14E+00	1.18E+00	2.44E+00	3.89E-01	8.77E-02	4.10E+00	1.18E+00	2.80E-04	4.26E-03	2.57E-03	1.19E+00
4514	483363.09	3858877.25	1.10E+00	3.94E-04	3.97E-03	2.61E-03	1.11E+00	1.15E+00	4.02E+00	3.62E-01	8.94E-02	5.63E+00	1.15E+00	4.61E-04	3.97E-03	2.61E-03	1.16E+00
4515	483863.09	3858877.25	1.13E+00	4.43E-04	4.31E-03	3.03E-03	1.14E+00	1.18E+00	4.52E+00	3.93E-01	1.04E-01	6.20E+00	1.18E+00	5.18E-04	4.31E-03	3.03E-03	1.19E+00
4516	484363.09	3858877.25	1.22E+00	5.20E-04	5.09E-03	3.25E-03	1.23E+00	1.27E+00	5.32E+00	4.64E-01	1.11E-01	7.16E+00	1.27E+00	6.09E-04	5.09E-03	3.25E-03	1.28E+00
4517	484863.09	3858877.25	1.33E+00	6.37E-04	5.54E-03	3.55E-03	1.34E+00	1.39E+00	6.51E+00	5.05E-01	1.22E-01	8.53E+00	1.39E+00	7.45E-04	5.54E-03	3.55E-03	1.40E+00
4518	485363.09	3858877.25	1.45E+00	8.04E-04	8.22E-03	3.21E-03	1.46E+00	1.51E+00	8.21E+00	7.50E-01	1.10E-01	1.06E+01	1.51E+00	9.40E-04	8.22E-03	3.21E-03	1.52E+00
4519	485863.09	3858877.25	1.62E+00	1.15E-03	1.02E-02	4.21E-03	1.64E+00	1.69E+00	1.17E+01	9.34E-01	1.44E-01	1.45E+01	1.69E+00	1.35E-03	1.02E-02	4.21E-03	1.70E+00
4520	486363.09	3858877.25	1.82E+00	1.81E-03	8.22E-03	4.09E-03	1.84E+00	1.90E+00	1.85E+01	7.50E-01	1.40E-01	2.13E+01	1.90E+00	2.12E-03	8.22E-03	4.09E-03	1.91E+00
4521	486863.09	3858877.25	2.21E+00	1.93E-03	9.22E-03	7.10E-03	2.23E+00	2.31E+00	1.97E+01	8.41E-01	2.43E-01	2.31E+01	2.31E+00	2.26E-03	9.22E-03	7.10E-03	2.32E+00
4522	487363.09	3858877.25	2.76E+00	1.95E-03	4.53E-03	7.95E-03	2.78E+00	2.88E+00	1.99E+01	4.13E-01	2.72E-01	2.35E+01	2.88E+00	2.28E-03	4.53E-03	7.95E-03	2.89E+00
4523	487863.09	3858877.25	3.26E+00	1.44E-03	4.17E-03	6.92E-03	3.27E+00	3.40E+00	1.47E+01	3.80E-01	2.37E-01	1.88E+01	3.39E+00	1.69E-03	4.17E-03	6.92E-03	3.40E+00
4524	488363.09	3858877.25	3.11E+00	1.55E-03	4.76E-03	6.85E-03	3.12E+00	3.25E+00	1.59E+01	4.34E-01	2.34E-01	1.98E+01	3.24E+00	1.82E-03	4.76E-03	6.85E-03	3.25E+00
4525	488863.09	3858877.25	3.03E+00	1.11E-03	1.16E-02	6.83E-03	3.05E+00	3.17E+00	1.14E+01	1.06E+00	2.34E-01	1.58E+01	3.16E+00	1.30E-03	1.16E-02	6.83E-03	3.18E+00
4526	489363.09	3858877.25	2.62E+00	7.92E-04	2.27E-02	5.78E-03	2.65E+00	2.73E+00	8.09E+00	2.07E+00	1.98E-01	1.31E+01	2.73E+00	9.26E-04	2.27E-02	5.78E-03	2.76E+00
4527	489863.09	3858877.25	2.67E+00	6.33E-04	1.97E-02	5.30E-03	2.69E+00	2.78E+00	6.46E+00	1.80E+00	1.81E-01	1.12E+01	2.78E+00	7.40E-04	1.97E-02	5.30E-03	2.80E+00
4528	490363.09	3858877.25	2.57E+00	4.59E-04	2.47E-02	5.54E-03	2.60E+00	2.68E+00	4.69E+00	2.25E+00	1.89E-01	9.82E+00	2.67E+00	5.38E-04	2.47E-02	5.54E-03	2.70E+00
4529	490863.09	3858877.25	2.61E+00	2.69E-04	2.51E-02	6.09E-03	2.64E+00	2.72E+00	2.75E+00	2.29E+00	2.08E-01	7.97E+00	2.72E+00	3.15E-04	2.51E-02	6.09E-03	2.75E+00
4530	491363.09	3858877.25	2.14E+00	1.32E-04	3.29E-02	6.90E-03	2.18E+00	2.24E+00	1.35E+00	3.00E+00	2.36E-01	6.82E+00	2.23E+00	1.54E-04	3.29E-02	6.90E-03	2.27E+00
4531	491863.09	3858877.25	1.28E+00	6.64E-05	3.26E-02	5.70E-03	1.32E+00	1.34E+00	6.78E-01	2.97E+00	1.95E-01	5.18E+00	1.34E+00	7.76E-05	3.26E-02	5.70E-03	1.37E+00
4532	492363.09	3858877.25	1.53E+00	8.38E-05	3.12E-02	5.63E-03	1.57E+00	1.59E+00	8.57E-01	2.85E+00	1.92E-01	5.49E+00	1.59E+00	9.81E-05	3.12E-02	5.63E-03	1.63E+00
4533	492863.09	3858877.25	1.57E+00	1.18E-04	2.83E-02	5.75E-03	1.60E+00	1.64E+00	1.20E+00	2.58E+00	1.97E-01	5.62E+00	1.63E+00	1.38E-04	2.83E-02	5.75E-03	1.67E+00
4534	493363.09	3858877.25	1.31E+00	9.12E-05	2.67E-02	5.87E-03	1.35E+00	1.37E+00	9.31E-01	2.43E+00	2.01E-01	4.93E+00	1.37E+00	1.07E-04	2.67E-02	5.87E-03	1.40E+00
4535	493863.09	3858877.25	9.28E-01	5.85E-05	2.36E-02	4.84E-03	9.56E-01	9.68E-01	5.98E-01	2.16E+00	1.66E-01	3.89E+00	9.66E-01	6.85E-05	2.36E-02	4.84E-03	9.95E-01
4536	494363.09	3858877.25	7.81E-01	5.22E-05	2.33E-02	4.62E-03	8.09E-01	8.15E-01	5.33E-01	2.12E+00	1.58E-01	3.63E+00	8.13E-01	6.11E-05	2.33E-02	4.62E-03	8.41E-01
4537	494863.09	3858877.25	5.96E-01	4.63E-05	2.22E-02	4.13E-03	6.23E-01	6.22E-01	4.73E-01	2.02E+00	1.41E-01	3.26E+00	6.21E-01	5.41E-05	2.22E-02	4.13E-03	6.47E-01
4538	495363.09	3858877.25	4.58E-01	4.11E-05	2.13E-02	3.74E-03	4.83E-01	4.78E-01	4.20E-01	1.94E+00	1.28E-01	2.97E+00	4.77E-01	4.80E-05	2.13E-02	3.74E-03	5.02E-01
4539	495863.09	3858877.25	4.07E-01	3.91E-05	1.98E-02	3.48E-03	4.30E-01	4.24E-01	4.00E-01	1.81E+00	1.19E-01	2.75E+00	4.23E-01	4.58E-05	1.98E-02	3.48E-03	4.47E-01
4540	496363.09	3858877.25	4.01E-01	3.81E-05	1.85E-02	3.34E-03	4.23E-01	4.18E-01	3.90E-01	1.69E+00	1.14E-01	2.61E+00	4.18E-01	4.46E-05	1.85E-02	3.34E-03	4.39E-01
4541	496863.09	3858877.25	4.10E-01	3.74E-05	1.83E-02	3.31E-03	4.31E-01	4.27E-01	3.82E-01	1.66E+00	1.13E-01	2.59E+00	4.26E-01	4.37E-05	1.83E-02	3.31E-03	4.48E-01
4542	497363.09	3858877.25	4.12E-01	3.70E-05	1.75E-02	3.24E-03	4.33E-01	4.30E-01	3.78E-01	1.60E+00	1.11E-01	2.52E+00	4.29E-01	4.33E-05	1.75E-02	3.24E-03	4.50E-01
4543	497863.09	3858877.25	5.70E-01	4.55E-05	1.75E-02	3.54E-03	5.91E-01	5.95E-01	4.65E-01	1.60E+00	1.21E-01	2.78E+00	5.94E-01	5.32E-05	1.75E-02	3.54E-03	6.15E-01
4544	498363.09	3858877.25	6.85E-01	6.47E-05	1.78E-02	4.02E-03	7.07E-01	7.15E-01	6.61E-01	1.62E+00	1.38E-01	3.14E+00	7.13E-01	7.57E-05	1.78E-02	4.02E-03	7.35E-01
4545	471363.09	3859377.25	4.12E-01	6.42E-05	7.91E-04	1.33E-03	4.14E-01	4.30E-01	6.56E-01	7.21E-02	4.56E-02	1.20E+00	4.29E-01	7.51E-05	7.91E-04	1.33E-03	4.31E-01
4546	471863.09	3859377.25	4.28E-01	6.46E-05	8.27E-04	1.36E-03	4.30E-01	4.47E-01	6.60E-01	7.54E-02	4.66E-02	1.23E+00	4.46E-01	7.56E-05	8.27E-04	1.36E-03	4.48E-01
4547	472363.09	3859377.25	4.35E-01	7.09E-05	8.52E-04	1.39E-03	4.37E-01	4.54E-01	7.25E-01	7.77E-02	4.77E-02	1.30E+00	4.53E-01	8.30E-05	8.52E-04	1.39E-03	4.55E-01
4548	472863.09	3859377.25	4.87E-01	7.52E-05	8.74E-04	1.45E-03	4.90E-01	5.08E-01	7.69E-01	7.97E-02	4.95E-02	1.41E+00	5.07E-01	8.80E-05	8.74E-04	1.45E-03	5.10E-01
4549	473363.09	3859377.25	5.01E-01	7.99E-05	8.96E-04	1.49E-03	5.04E-01	5.23E-01	8.16E-01	8.17E-02	5.09E-02	1.47E+00	5.22E-01	9.35E-05	8.96E-04	1.49E-03	5.24E-01
4550	473863.09	3859377.25	5.37E-01	7.80E-05	9.19E-04	1.60E-03	5.40E-01	5.61E-01	7.97E-01	8.38E-02	5.48E-02	1.50E+00	5.60E-01	9.12E-05	9.19E-04	1.60E-03	5.62E-01
4551	474363.09	3859377.25	4.87E-01	5.84E-05	9.45E-04	1.74E-03	4.90E-01	5.08E-01	5.97E-01	8.62E-02	5.94E-02	1.25E+00	5.07E-01	6.83E-05	9.45E-04	1.74E-03	5.10E-01
4552	474863.09	3859377.25	3.28E-01	3.77E-05	1.03E-03	1.69E-03	3.31E-01	3.42E-01	3.85E-01	9.36E-02	5.78E-02	8.79E-01	3.42E-01	4.41E-05	1.03E-03	1.69E-03	3.44E-01
4553	475363.09	3859377.25	1.58E-01	2.76E-05	1.09E-03	1.43E-03	1.61E-01	1.65E-01	2.82E-01	9.97E-02	4.89E-02	5.95E-01	1.65E-01	3.23E-05	1.09E-03	1.43E-03	1.67E-01
4554	475863.09	3859377.25	1.02E-01	2.27E-05	1.10E-03	1.45E-03	1.05E-01	1.06E-01	2.32E-01	1.01E-01	4.96E-02	4.88E-01	1.06E-01	2.65E-05	1.10E-03	1.45E-03	1.09E-01
4555	476363.09	3859377.25	9.21E-02	2.21E-05	1.17E-03	1.40E-03	9.47E-02	9.61E-02	2.25E-01	1.07E-01	4.80E-02	4.76E-01	9.59E-02	2.58E-05	1.17E-03	1.40E-03	9.85E-02
4556	476863.09	3859377.25	7.87E-02	2.10E-05	1.13E-03	1.41E-03	8.13E-02	8.21E-02	2.14E-01	1.03E-01	4.84E-02	4.48E-01	8.20E-02	2.45E-05	1.13E-03	1.41E-03	8.45E-02
4557	477363.09	3859377.25	8.47E-02	2.15E-05	1.30E-03	1.58E-03	8.76E-02	8.83E-02	2.20E-01	1.19E-01	5.41E-02	4.81E-01	8.82E-02	2.52E-05	1.30E-03	1.58E-03	9.11E-02
4558	477863.09	3859377.25	1.29E-01	2.82E-05	1.44E-03	1.73E-03	1.32E-01	1.34E-01	2.88E-01	1.31E-01	5.92E-02	6.13E-01	1.34E-01	3.30E-05	1.44E-03	1.73E-03	1.37E-01
4559	478363.09	3859377.25	2.12E-01	3.58E-05	1.61E-03	2.08E-03	2.16E-01	2.21E-01	3.65E-01	1.47E-01	7.10E-02	8.05E-01	2.21E-01	4.18E-05	1.61E-03	2.08E-03	2.25E-01
4560	478863.09	3859377.25	4.55E-01	4.91E-05	1.87E-03	2.33E-03	4.59E-01	4.75E-01	5.02E-01	1.70E-01	7.97E-02	1.23E+00	4.74E-01	5.75E-05	1.87E-03	2.33E-03	4.78E-01
4561	479363.09	3859377.25	6.81E-01	7.12E-05	1.99E-03	2.43E-03	6.85E-01	7.10E-01	7.27E-01	1.81E-01	8.32E-02	1.70E+00	7.09E-01	8.33E-05	1.99E-03	2.43E-03	7.13E-01
4562	479863.09	3859377.25	8.08E-01	9.89E-05	2.11E-03	2.90E-03	8.13E-01	8.43E-01	1.01E+00	1.92E-01	9.92E-02	2.14E+00	8.41E-01	1.16E-04	2.11E-03	2.90E-03	8.46E-01
4563	480363.09	3859377.25	8.74E-01	1.36E-04	2.53E-03	2.69E-03	8.79E-01	9.12E-01	1.39E+00	2.31E-01	9.18E-02	2.62E+00	9.10E-01	1.59E-04	2.53E-03	2.69E-03	9.15E-01
4564	480863.09	3859377.25	8.90E-01	1.69E-04	2.68E-03	2.51E-03	8.95E-01	9.28E-01	1.73E+00	2.45E-01	8.60E-02	2.99E+00	9.26E-01	1.98E-04	2.68E-03	2.51E-03	9.32E-01
4565	481363.09	3859377.25	9.16E-01	1.92E-04	3.14E-03	2.45E-03	9.22E-01	9.56E-01	1.96E+00	2.86E-01	8.39E-02	3.29E+00	9.54E-01	2.25E-04	3.14E-03	2.45E-03	9.60E-01
4566	481863.09	3859377.25	9.28E-01	2.09E-04	3.58E-03	2.52E-03	9.34E-01	9.68E-01	2.14E+00	3.27E-01	8.63E-02	3.52E+00	9.66E-01	2.45E-04	3.58E-03	2.52E-03	9.72E-01
4567	482363.09	3859377.25	9.50E-01	2.15E-04	3.46E-03	2.49E-03	9.56E-01	9.91E-01	2.20E+00	3.15E-01	8.51E-02	3.59E+00	9.89E-01	2.52E-04	3.46E-03	2.49E-03	9.96E-01
4568	482863.09	3859377.25	1.01E+00	2.48E-04	4.47E-03	2.38E-03	1.02E+00	1.06E+00	2.54E+00	4.08E-01	8.13E-02	4.08E+00	1.06E+00	2.90E-04	4.47E-03	2.38E-03	1.06E+00
4569	483363.09	3859377.25	1.05E+00	3.26E-04	4.33E-03	2.48E-03	1.05E+00	1.09E+00	3.33E+00	3.95E-01	8.47E-02	4.90E+00	1.09E+00	3.82E-04	4.33E-03	2.48E-03	1.10E+00
4570	483863.09	3859377.25	1.04E+00	3.86E-04	5.36E-03	2.64E-03	1.04E+00	1.08E+00	3.95E+00	4.89E-01	9.02E-02	5.61E+00	1.08E+00	4.52E-04	5.36E-03	2.64E-03	1.09E+00
4571	484363.09	3859377.25	1.11E+00	4.46E-04	8.03E-03	2.64E-03	1.13E+00	1.16E+00	4.56E+00	7.33E-01	9.02E-02	6.55E+00	1.16E+00	5.22E-04	8.03E-03	2.64E-03	1.17E+00

4572	484863.09	3859377.25	1.19E+00	5.31E-04	8.77E-03	2.98E-03	1.21E+00	1.24E+00	5.42E+00	8.00E-01	1.02E-01	7.57E+00	1.24E+00	6.21E-04	8.77E-03	2.98E-03	1.25E+00
4573	485363.09	3859377.25	1.30E+00	6.45E-04	6.04E-03	3.29E-03	1.31E+00	1.36E+00	6.59E+00	5.51E-01	1.13E-01	8.61E+00	1.35E+00	7.55E-04	6.04E-03	3.29E-03	1.36E+00
4574	485863.09	3859377.25	1.39E+00	7.93E-04	5.31E-03	3.71E-03	1.40E+00	1.45E+00	8.10E+00	4.84E-01	1.27E-01	1.02E+01	1.45E+00	9.28E-04	5.31E-03	3.71E-03	1.46E+00
4575	486363.09	3859377.25	1.58E+00	1.06E-03	5.36E-03	3.97E-03	1.59E+00	1.65E+00	1.08E+01	4.88E-01	1.36E-01	1.31E+01	1.65E+00	1.24E-03	5.36E-03	3.97E-03	1.66E+00
4576	486863.09	3859377.25	1.82E+00	1.71E-03	3.42E-03	4.50E-03	1.83E+00	1.90E+00	1.74E+01	3.12E-01	1.54E-01	1.98E+01	1.90E+00	2.00E-03	3.42E-03	4.50E-03	1.91E+00
4577	487363.09	3859377.25	2.12E+00	1.86E-03	2.86E-03	6.31E-03	2.13E+00	2.21E+00	1.91E+01	2.61E-01	2.16E-01	2.17E+01	2.21E+00	2.18E-03	2.86E-03	6.31E-03	2.22E+00
4578	487863.09	3859377.25	2.53E+00	1.73E-03	2.86E-03	9.52E-03	2.54E+00	2.64E+00	1.77E+01	2.61E-01	3.26E-01	2.09E+01	2.63E+00	2.03E-03	2.86E-03	9.52E-03	2.65E+00
4579	488363.09	3859377.25	2.66E+00	1.94E-03	3.09E-03	4.25E-02	2.71E+00	2.78E+00	1.99E+01	2.82E-01	1.45E+00	2.44E+01	2.77E+00	2.27E-03	3.09E-03	4.25E-02	2.82E+00
4580	488863.09	3859377.25	2.61E+00	1.76E-03	3.66E-03	7.98E-03	2.63E+00	2.73E+00	1.80E+01	3.34E-01	2.73E-01	2.13E+01	2.72E+00	2.06E-03	3.66E-03	7.98E-03	2.73E+00
4581	489363.09	3859377.25	2.59E+00	1.10E-03	7.77E-03	5.85E-03	2.61E+00	2.71E+00	1.12E+01	7.08E-01	2.00E-01	1.48E+01	2.70E+00	1.29E-03	7.77E-03	5.85E-03	2.72E+00
4582	489863.09	3859377.25	2.28E+00	7.86E-04	9.63E-03	5.67E-03	2.29E+00	2.38E+00	8.03E+00	8.78E-01	1.94E-01	1.15E+01	2.37E+00	9.19E-04	9.63E-03	5.67E-03	2.39E+00
4583	490363.09	3859377.25	2.28E+00	5.96E-04	1.14E-02	5.85E-03	2.30E+00	2.38E+00	6.09E+00	1.04E+00	2.00E-01	9.71E+00	2.38E+00	6.98E-04	1.14E-02	5.85E-03	2.39E+00
4584	490863.09	3859377.25	2.11E+00	3.64E-04	1.16E-02	6.47E-03	2.13E+00	2.20E+00	3.72E+00	1.06E+00	2.21E-01	7.19E+00	2.19E+00	4.25E-04	1.16E-02	6.47E-03	2.21E+00
4585	491363.09	3859377.25	2.20E+00	1.40E-04	1.33E-02	7.81E-03	2.22E+00	2.29E+00	1.43E+00	1.21E+00	2.67E-01	5.20E+00	2.29E+00	1.64E-04	1.33E-02	7.81E-03	2.31E+00
4586	491863.09	3859377.25	2.26E+00	2.13E-04	1.71E-02	6.42E-03	2.29E+00	2.36E+00	2.18E+00	1.56E+00	2.20E-01	6.32E+00	2.36E+00	2.50E-04	1.71E-02	6.42E-03	2.38E+00
4587	492363.09	3859377.25	1.82E+00	1.98E-04	1.57E-02	6.18E-03	1.84E+00	1.90E+00	2.03E+00	1.43E+00	2.11E-01	5.57E+00	1.89E+00	2.32E-04	1.57E-02	6.18E-03	1.91E+00
4588	492863.09	3859377.25	1.64E+00	2.02E-04	1.92E-02	5.83E-03	1.66E+00	1.71E+00	2.07E+00	1.75E+00	1.99E-01	5.72E+00	1.71E+00	2.37E-04	1.92E-02	5.83E-03	1.73E+00
4589	493363.09	3859377.25	1.52E+00	1.51E-04	2.09E-02	5.83E-03	1.54E+00	1.58E+00	1.55E+00	1.90E+00	1.99E-01	5.23E+00	1.58E+00	1.77E-04	2.09E-02	5.83E-03	1.61E+00
4590	493863.09	3859377.25	1.47E+00	1.42E-04	2.13E-02	5.66E-03	1.50E+00	1.54E+00	1.45E+00	1.94E+00	1.94E-01	5.12E+00	1.53E+00	1.66E-04	2.13E-02	5.66E-03	1.56E+00
4591	494363.09	3859377.25	1.26E+00	1.17E-04	2.13E-02	5.57E-03	1.29E+00	1.32E+00	1.20E+00	1.94E+00	1.91E-01	4.65E+00	1.31E+00	1.37E-04	2.13E-02	5.57E-03	1.34E+00
4592	494863.09	3859377.25	1.05E+00	7.71E-05	1.86E-02	5.04E-03	1.07E+00	1.09E+00	7.87E-01	1.70E+00	1.72E-01	3.75E+00	1.09E+00	9.01E-05	1.86E-02	5.04E-03	1.12E+00
4593	495363.09	3859377.25	9.55E-01	7.20E-05	1.66E-02	4.89E-03	9.77E-01	9.97E-01	7.36E-01	1.52E+00	1.67E-01	3.42E+00	9.95E-01	8.42E-05	1.66E-02	4.89E-03	1.02E+00
4594	495863.09	3859377.25	8.38E-01	6.22E-05	1.64E-02	4.48E-03	8.59E-01	8.74E-01	6.35E-01	1.50E+00	1.53E-01	3.16E+00	8.72E-01	7.28E-05	1.64E-02	4.48E-03	8.93E-01
4595	496363.09	3859377.25	8.01E-01	6.40E-05	1.54E-02	4.46E-03	8.21E-01	8.35E-01	6.54E-01	1.41E+00	1.53E-01	3.05E+00	8.34E-01	7.49E-05	1.54E-02	4.46E-03	8.54E-01
4596	496863.09	3859377.25	6.47E-01	5.22E-05	1.44E-02	4.09E-03	6.66E-01	6.75E-01	5.33E-01	1.31E+00	1.40E-01	2.66E+00	6.74E-01	6.11E-05	1.44E-02	4.09E-03	6.92E-01
4597	497363.09	3859377.25	6.98E-01	5.98E-05	1.53E-02	4.22E-03	7.17E-01	7.28E-01	6.11E-01	1.39E+00	1.44E-01	2.87E+00	7.26E-01	6.99E-05	1.53E-02	4.22E-03	7.46E-01
4598	497863.09	3859377.25	7.78E-01	8.61E-05	1.58E-02	4.35E-03	7.98E-01	8.12E-01	8.80E-01	1.44E+00	1.49E-01	3.28E+00	8.10E-01	1.01E-04	1.58E-02	4.35E-03	8.30E-01
4599	498363.09	3859377.25	8.25E-01	1.12E-04	1.58E-02	4.35E-03	8.46E-01	8.61E-01	1.15E+00	1.44E+00	1.49E-01	3.60E+00	8.59E-01	1.31E-04	1.58E-02	4.35E-03	8.80E-01
4600	471363.09	3859877.25	4.35E-01	7.01E-05	7.50E-04	1.27E-03	4.37E-01	4.54E-01	7.17E-01	6.84E-02	4.36E-02	1.28E+00	4.53E-01	8.21E-05	7.50E-04	1.27E-03	4.55E-01
4601	471863.09	3859877.25	4.44E-01	7.30E-05	8.01E-04	1.36E-03	4.46E-01	4.63E-01	7.45E-01	7.30E-02	4.64E-02	1.33E+00	4.62E-01	8.54E-05	8.01E-04	1.36E-03	4.64E-01
4602	472363.09	3859877.25	4.74E-01	7.29E-05	8.36E-04	1.43E-03	4.76E-01	4.94E-01	7.45E-01	7.62E-02	4.88E-02	1.36E+00	4.94E-01	8.53E-05	8.36E-04	1.43E-03	4.96E-01
4603	472863.09	3859877.25	4.88E-01	7.83E-05	8.80E-04	1.51E-03	4.90E-01	5.09E-01	8.00E-01	8.03E-02	5.16E-02	1.44E+00	5.08E-01	9.16E-05	8.80E-04	1.51E-03	5.10E-01
4604	473363.09	3859877.25	5.01E-01	8.32E-05	9.46E-04	1.53E-03	5.04E-01	5.23E-01	8.50E-01	8.63E-02	5.24E-02	1.51E+00	5.22E-01	9.73E-05	9.46E-04	1.53E-03	5.24E-01
4605	473863.09	3859877.25	5.21E-01	8.58E-05	1.04E-03	1.60E-03	5.24E-01	5.44E-01	8.77E-01	9.45E-02	5.47E-02	1.57E+00	5.43E-01	1.00E-04	1.04E-03	1.60E-03	5.45E-01
4606	474363.09	3859877.25	5.28E-01	6.67E-05	1.09E-03	1.65E-03	5.31E-01	5.51E-01	6.81E-01	9.90E-02	5.63E-02	1.39E+00	5.50E-01	7.80E-05	1.09E-03	1.65E-03	5.53E-01
4607	474863.09	3859877.25	4.60E-01	5.01E-05	1.17E-03	1.52E-03	4.63E-01	4.80E-01	5.12E-01	1.06E-01	5.20E-02	1.15E+00	4.79E-01	5.87E-05	1.17E-03	1.52E-03	4.82E-01
4608	475363.09	3859877.25	2.11E-01	3.16E-05	1.21E-03	1.46E-03	2.13E-01	2.20E-01	3.23E-01	1.10E-01	4.99E-02	7.03E-01	2.19E-01	3.70E-05	1.21E-03	1.46E-03	2.22E-01
4609	475863.09	3859877.25	9.53E-02	2.15E-05	1.07E-03	1.31E-03	9.77E-02	9.95E-02	2.19E-01	9.73E-02	4.48E-02	4.61E-01	9.93E-02	2.51E-05	1.07E-03	1.31E-03	1.02E-01
4610	476363.09	3859877.25	7.23E-02	1.78E-05	1.04E-03	1.34E-03	7.47E-02	7.54E-02	1.82E-01	9.48E-02	4.57E-02	3.98E-01	7.53E-02	2.08E-05	1.04E-03	1.34E-03	7.77E-02
4611	476863.09	3859877.25	7.78E-02	1.96E-05	1.06E-03	1.43E-03	8.03E-02	8.12E-02	2.00E-01	9.66E-02	4.88E-02	4.27E-01	8.10E-02	2.29E-05	1.06E-03	1.43E-03	8.36E-02
4612	477363.09	3859877.25	8.10E-02	2.00E-05	1.16E-03	1.52E-03	8.37E-02	8.45E-02	2.05E-01	1.06E-01	5.19E-02	4.47E-01	8.43E-02	2.34E-05	1.16E-03	1.52E-03	8.70E-02
4613	477863.09	3859877.25	1.19E-01	2.63E-05	1.25E-03	1.59E-03	1.22E-01	1.24E-01	2.69E-01	1.14E-01	5.45E-02	5.62E-01	1.24E-01	3.08E-05	1.25E-03	1.59E-03	1.27E-01
4614	478363.09	3859877.25	2.20E-01	3.41E-05	1.75E-03	1.90E-03	2.23E-01	2.29E-01	3.49E-01	1.59E-01	6.49E-02	8.02E-01	2.29E-01	4.00E-05	1.75E-03	1.90E-03	2.33E-01
4615	478863.09	3859877.25	4.53E-01	4.87E-05	2.02E-03	2.44E-03	4.58E-01	4.73E-01	4.98E-01	1.84E-01	8.34E-02	1.24E+00	4.72E-01	5.70E-05	2.02E-03	2.44E-03	4.77E-01
4616	479363.09	3859877.25	6.85E-01	7.86E-05	2.39E-03	2.52E-03	6.90E-01	7.15E-01	8.03E-01	2.18E-01	8.62E-02	1.82E+00	7.14E-01	9.19E-05	2.39E-03	2.52E-03	7.19E-01
4617	479863.09	3859877.25	7.59E-01	1.14E-04	2.82E-03	2.55E-03	7.64E-01	7.92E-01	1.16E+00	2.57E-01	8.71E-02	2.30E+00	7.90E-01	1.33E-04	2.82E-03	2.55E-03	7.96E-01
4618	480363.09	3859877.25	8.00E-01	1.55E-04	3.27E-03	2.50E-03	8.06E-01	8.35E-01	1.58E+00	2.98E-01	8.55E-02	2.80E+00	8.33E-01	1.81E-04	3.27E-03	2.50E-03	8.39E-01
4619	480863.09	3859877.25	7.96E-01	1.78E-04	2.91E-03	2.24E-03	8.01E-01	8.31E-01	1.82E+00	2.65E-01	7.65E-02	2.99E+00	8.29E-01	2.08E-04	2.91E-03	2.24E-03	8.34E-01
4620	481363.09	3859877.25	7.99E-01	1.96E-04	3.38E-03	2.38E-03	8.05E-01	8.34E-01	2.00E+00	3.09E-01	8.14E-02	3.22E+00	8.32E-01	2.29E-04	3.38E-03	2.38E-03	8.38E-01
4621	481863.09	3859877.25	8.23E-01	2.04E-04	3.36E-03	2.15E-03	8.29E-01	8.59E-01	2.08E+00	3.07E-01	7.34E-02	3.32E+00	8.57E-01	2.39E-04	3.36E-03	2.15E-03	8.63E-01
4622	482363.09	3859877.25	8.62E-01	2.23E-04	4.03E-03	2.24E-03	8.69E-01	9.00E-01	2.27E+00	3.68E-01	7.66E-02	3.62E+00	8.98E-01	2.60E-04	4.03E-03	2.24E-03	9.04E-01
4623	482863.09	3859877.25	9.29E-01	2.53E-04	5.22E-03	2.40E-03	9.37E-01	9.70E-01	2.58E+00	4.76E-01	8.20E-02	4.11E+00	9.68E-01	2.96E-04	5.22E-03	2.40E-03	9.76E-01
4624	483363.09	3859877.25	9.75E-01	2.86E-04	5.35E-03	2.63E-03	9.83E-01	1.02E+00	2.92E+00	4.88E-01	8.99E-02	4.51E+00	1.02E+00	3.34E-04	5.35E-03	2.63E-03	1.02E+00
4625	483863.09	3859877.25	9.62E-01	3.69E-04	6.18E-03	2.70E-03	9.71E-01	1.00E+00	3.77E+00	5.64E-01	9.23E-02	5.43E+00	1.00E+00	4.31E-04	6.18E-03	2.70E-03	1.01E+00
4626	484363.09	3859877.25	1.02E+00	4.06E-04	3.90E-03	2.98E-03	1.02E+00	1.06E+00	4.15E+00	3.56E-01	1.02E-01	5.66E+00	1.06E+00	4.75E-04	3.90E-03	2.98E-03	1.07E+00
4627	484863.09	3859877.25	1.10E+00	4.46E-04	3.60E-03	3.12E-03	1.10E+00	1.14E+00	4.56E+00	3.28E-01	1.07E-01	6.14E+00	1.14E+00	5.22E-04	3.60E-03	3.12E-03	1.15E+00
4628	485363.09	3859877.25	1.16E+00	5.08E-04	3.83E-03	3.23E-03	1.17E+00	1.21E+00	5.19E+00	3.49E-01	1.10E-01	6.86E+00	1.21E+00	5.95E-04	3.83E-03	3.23E-03	1.22E+00
4629	485863.09	3859877.25	1.25E+00	5.58E-04	3.54E-03	3.43E-03	1.26E+00	1.31E+00	5.70E+00	3.23E-01	1.17E-01	7.45E+00	1.31E+00	6.53E-04	3.54E-03	3.43E-03	1.31E+00
4630	486363.09	3859877.25	1.37E+00	6.42E-04	2.85E-03	4.00E-03	1.38E+00	1.43E+00	6.56E+00	2.60E-01	1.37E-01	8.39E+00	1.42E+00	7.51E-04	2.85E-03	4.00E-03	1.43E+00
4631	486863.09	3859877.25	1.58E+00	8.35E-04	3.58E-03	4.21E-03	1.58E+00	1.64E+00	8.53E+00	3.27E-01	1.44E-01	1.06E+01	1.64E+00	9.77E-04	3.58E-03	4.21E-03	1.65E+00
4632	487363.09	3859877.25	1.77E+00	1.12E-03	2.18E-03	4.48E-03	1.78E+00	1.85E+00	1.15E+01	1.99E-01	1.53E-01	1.37E+01	1.85E+00	1.32E-03	2.18E-03	4.48E-03	1.85E+00

4633	487863.09	3859877.25	2.03E+00	1.82E-03	2.28E-03	9.10E-03	2.04E+00	2.12E+00	1.86E+01	2.08E-01	3.11E-01	2.13E+01	2.11E+00	2.13E-03	2.28E-03	9.10E-03	2.13E+00
4634	488363.09	3859877.25	2.33E+00	2.03E-03	2.39E-03	1.07E-02	2.34E+00	2.43E+00	2.08E+01	2.18E-01	3.67E-01	2.38E+01	2.42E+00	2.38E-03	2.39E-03	1.07E-02	2.44E+00
4635	488863.09	3859877.25	2.35E+00	1.29E-03	2.05E-03	1.60E-02	2.37E+00	2.46E+00	1.32E+01	1.87E-01	5.47E-01	1.64E+01	2.45E+00	1.51E-03	2.05E-03	1.60E-02	2.47E+00
4636	489363.09	3859877.25	2.24E+00	1.15E-03	2.55E-03	1.02E-02	2.26E+00	2.34E+00	1.18E+01	2.33E-01	3.50E-01	1.47E+01	2.34E+00	1.35E-03	2.55E-03	1.02E-02	2.35E+00
4637	489863.09	3859877.25	2.40E+00	9.48E-04	4.55E-03	7.67E-03	2.42E+00	2.51E+00	9.69E+00	4.15E-01	2.62E-01	1.29E+01	2.50E+00	1.11E-03	4.55E-03	7.67E-03	2.51E+00
4638	490363.09	3859877.25	1.94E+00	7.70E-04	6.17E-03	6.24E-03	1.96E+00	2.03E+00	7.87E+00	5.63E-01	2.13E-01	1.07E+01	2.02E+00	9.01E-04	6.17E-03	6.24E-03	2.04E+00
4639	490863.09	3859877.25	1.78E+00	5.94E-04	6.82E-03	5.53E-03	1.79E+00	1.86E+00	6.07E+00	6.22E-01	1.89E-01	8.74E+00	1.85E+00	6.95E-04	6.82E-03	5.53E-03	1.87E+00
4640	491363.09	3859877.25	1.77E+00	5.01E-04	6.46E-03	5.42E-03	1.79E+00	1.85E+00	5.11E+00	5.90E-01	1.85E-01	7.74E+00	1.85E+00	5.86E-04	6.46E-03	5.42E-03	1.86E+00
4641	491863.09	3859877.25	1.67E+00	4.32E-04	7.94E-03	5.29E-03	1.69E+00	1.75E+00	4.41E+00	7.24E-01	1.81E-01	7.06E+00	1.74E+00	5.05E-04	7.94E-03	5.29E-03	1.76E+00
4642	492363.09	3859877.25	1.73E+00	3.78E-04	9.32E-03	5.18E-03	1.75E+00	1.81E+00	3.86E+00	8.50E-01	1.77E-01	6.69E+00	1.80E+00	4.42E-04	9.32E-03	5.18E-03	1.82E+00
4643	492863.09	3859877.25	1.73E+00	3.19E-04	1.04E-02	5.12E-03	1.74E+00	1.80E+00	3.25E+00	9.44E-01	1.75E-01	6.18E+00	1.80E+00	3.73E-04	1.04E-02	5.12E-03	1.82E+00
4644	493363.09	3859877.25	1.44E+00	2.75E-04	1.15E-02	5.16E-03	1.45E+00	1.50E+00	2.81E+00	1.05E+00	1.76E-01	5.53E+00	1.50E+00	3.21E-04	1.15E-02	5.16E-03	1.51E+00
4645	493863.09	3859877.25	1.30E+00	2.47E-04	1.22E-02	5.14E-03	1.31E+00	1.35E+00	2.52E+00	1.12E+00	1.76E-01	5.16E+00	1.35E+00	2.89E-04	1.22E-02	5.14E-03	1.37E+00
4646	494363.09	3859877.25	1.26E+00	2.01E-04	1.38E-02	4.99E-03	1.28E+00	1.31E+00	2.05E+00	1.26E+00	1.71E-01	4.80E+00	1.31E+00	2.35E-04	1.38E-02	4.99E-03	1.33E+00
4647	494863.09	3859877.25	1.26E+00	1.92E-04	1.51E-02	5.11E-03	1.28E+00	1.31E+00	1.96E+00	1.37E+00	1.75E-01	4.82E+00	1.31E+00	2.25E-04	1.51E-02	5.11E-03	1.33E+00
4648	495363.09	3859877.25	1.18E+00	1.67E-04	1.50E-02	4.97E-03	1.20E+00	1.23E+00	1.71E+00	1.37E+00	1.70E-01	4.48E+00	1.23E+00	1.96E-04	1.50E-02	4.97E-03	1.25E+00
4649	495863.09	3859877.25	1.08E+00	1.40E-04	1.50E-02	4.82E-03	1.10E+00	1.12E+00	1.43E+00	1.36E+00	1.65E-01	4.08E+00	1.12E+00	1.64E-04	1.50E-02	4.82E-03	1.14E+00
4650	496363.09	3859877.25	9.67E-01	9.93E-05	1.50E-02	4.45E-03	9.87E-01	1.01E+00	1.01E+00	1.37E+00	1.52E-01	3.54E+00	1.01E+00	1.16E-04	1.50E-02	4.45E-03	1.03E+00
4651	496863.09	3859877.25	6.31E-01	4.81E-05	1.28E-02	3.49E-03	6.47E-01	6.58E-01	4.92E-01	1.17E+00	1.19E-01	2.44E+00	6.57E-01	5.63E-05	1.28E-02	3.49E-03	6.73E-01
4652	497363.09	3859877.25	8.13E-01	7.96E-05	1.27E-02	3.88E-03	8.29E-01	8.48E-01	8.13E-01	1.16E+00	1.33E-01	2.96E+00	8.46E-01	9.31E-05	1.27E-02	3.88E-03	8.63E-01
4653	497863.09	3859877.25	8.34E-01	1.34E-04	1.16E-02	4.03E-03	8.50E-01	8.70E-01	1.37E+00	1.06E+00	1.38E-01	3.43E+00	8.69E-01	1.56E-04	1.16E-02	4.03E-03	8.84E-01
4654	498363.09	3859877.25	7.35E-01	1.65E-04	1.22E-02	3.95E-03	7.51E-01	7.67E-01	1.69E+00	1.12E+00	1.35E-01	3.71E+00	7.65E-01	1.93E-04	1.22E-02	3.95E-03	7.82E-01
4655	471363.09	3860377.25	4.30E-01	7.91E-05	8.72E-04	1.34E-03	4.33E-01	4.49E-01	8.08E-01	7.95E-02	4.59E-02	1.38E+00	4.48E-01	9.25E-05	8.72E-04	1.34E-03	4.51E-01
4656	471863.09	3860377.25	4.43E-01	8.20E-05	9.59E-04	1.34E-03	4.45E-01	4.62E-01	8.38E-01	8.75E-02	4.57E-02	1.43E+00	4.61E-01	9.60E-05	9.59E-04	1.34E-03	4.64E-01
4657	472363.09	3860377.25	4.67E-01	8.60E-05	9.99E-04	1.35E-03	4.69E-01	4.87E-01	8.79E-01	9.11E-02	4.61E-02	1.50E+00	4.86E-01	1.01E-04	9.99E-04	1.35E-03	4.89E-01
4658	472863.09	3860377.25	4.95E-01	8.98E-05	1.01E-03	1.39E-03	4.97E-01	5.16E-01	9.18E-01	9.21E-02	4.75E-02	1.57E+00	5.15E-01	1.05E-04	1.01E-03	1.39E-03	5.18E-01
4659	473363.09	3860377.25	5.24E-01	9.37E-05	1.04E-03	1.41E-03	5.26E-01	5.46E-01	9.57E-01	9.51E-02	4.83E-02	1.65E+00	5.45E-01	1.10E-04	1.04E-03	1.41E-03	5.48E-01
4660	473863.09	3860377.25	5.20E-01	9.60E-05	1.10E-03	1.38E-03	5.23E-01	5.43E-01	9.80E-01	1.00E-01	4.71E-02	1.67E+00	5.42E-01	1.12E-04	1.10E-03	1.38E-03	5.45E-01
4661	474363.09	3860377.25	5.52E-01	8.72E-05	1.19E-03	1.45E-03	5.55E-01	5.76E-01	8.91E-01	1.08E-01	4.96E-02	1.62E+00	5.75E-01	1.02E-04	1.19E-03	1.45E-03	5.78E-01
4662	474863.09	3860377.25	5.68E-01	7.03E-05	1.23E-03	1.45E-03	5.71E-01	5.93E-01	7.18E-01	1.12E-01	4.97E-02	1.47E+00	5.92E-01	8.23E-05	1.23E-03	1.45E-03	5.94E-01
4663	475363.09	3860377.25	4.97E-01	5.23E-05	1.34E-03	1.47E-03	4.99E-01	5.18E-01	5.34E-01	1.22E-01	5.02E-02	1.22E+00	5.17E-01	6.12E-05	1.34E-03	1.47E-03	5.20E-01
4664	475863.09	3860377.25	3.63E-01	4.06E-05	1.43E-03	1.53E-03	3.66E-01	3.79E-01	4.15E-01	1.31E-01	5.22E-02	9.77E-01	3.78E-01	4.75E-05	1.43E-03	1.53E-03	3.81E-01
4665	476363.09	3860377.25	2.30E-01	2.96E-05	1.56E-03	1.64E-03	2.33E-01	2.39E-01	3.03E-01	1.42E-01	5.61E-02	7.40E-01	2.39E-01	3.47E-05	1.56E-03	1.64E-03	2.42E-01
4666	476863.09	3860377.25	1.79E-01	2.80E-05	1.62E-03	1.50E-03	1.82E-01	1.87E-01	2.86E-01	1.47E-01	5.13E-02	6.71E-01	1.87E-01	3.27E-05	1.62E-03	1.50E-03	1.90E-01
4667	477363.09	3860377.25	1.05E-01	2.28E-05	1.26E-03	1.48E-03	1.08E-01	1.09E-01	2.33E-01	1.15E-01	5.06E-02	5.07E-01	1.09E-01	2.66E-05	1.26E-03	1.48E-03	1.12E-01
4668	477863.09	3860377.25	1.24E-01	2.60E-05	1.37E-03	1.67E-03	1.27E-01	1.29E-01	2.66E-01	1.25E-01	5.71E-02	5.78E-01	1.29E-01	3.05E-05	1.37E-03	1.67E-03	1.32E-01
4669	478363.09	3860377.25	2.76E-01	3.51E-05	2.28E-03	2.27E-03	2.80E-01	2.88E-01	3.59E-01	2.08E-01	7.76E-02	9.32E-01	2.87E-01	4.11E-05	2.28E-03	2.27E-03	2.92E-01
4670	478863.09	3860377.25	4.66E-01	5.03E-05	2.79E-03	2.28E-03	4.71E-01	4.86E-01	5.14E-01	2.54E-01	7.80E-02	1.33E+00	4.85E-01	5.89E-05	2.79E-03	2.28E-03	4.90E-01
4671	479363.09	3860377.25	6.48E-01	7.89E-05	3.55E-03	2.21E-03	6.53E-01	6.76E-01	8.06E-01	3.24E-01	7.56E-02	1.88E+00	6.74E-01	9.23E-05	3.55E-03	2.21E-03	6.80E-01
4672	479863.09	3860377.25	7.09E-01	1.23E-04	3.35E-03	2.23E-03	7.15E-01	7.40E-01	1.26E+00	3.06E-01	7.63E-02	2.38E+00	7.39E-01	1.44E-04	3.35E-03	2.23E-03	7.44E-01
4673	480363.09	3860377.25	6.86E-01	1.61E-04	2.71E-03	2.24E-03	6.91E-01	7.16E-01	1.64E+00	2.47E-01	7.66E-02	2.68E+00	7.15E-01	1.88E-04	2.71E-03	2.24E-03	7.20E-01
4674	480863.09	3860377.25	7.06E-01	1.86E-04	3.20E-03	2.17E-03	7.12E-01	7.37E-01	1.90E+00	2.92E-01	7.41E-02	3.00E+00	7.35E-01	2.17E-04	3.20E-03	2.17E-03	7.41E-01
4675	481363.09	3860377.25	7.43E-01	1.99E-04	4.49E-03	2.23E-03	7.50E-01	7.75E-01	2.03E+00	4.10E-01	7.63E-02	3.29E+00	7.73E-01	2.33E-04	4.49E-03	2.23E-03	7.80E-01
4676	481863.09	3860377.25	7.59E-01	2.09E-04	4.24E-03	2.18E-03	7.66E-01	7.92E-01	2.13E+00	3.87E-01	7.47E-02	3.39E+00	7.90E-01	2.44E-04	4.24E-03	2.18E-03	7.97E-01
4677	482363.09	3860377.25	8.01E-01	2.22E-04	4.40E-03	2.24E-03	8.08E-01	8.36E-01	2.27E+00	4.01E-01	7.67E-02	3.58E+00	8.34E-01	2.60E-04	4.40E-03	2.24E-03	8.41E-01
4678	482863.09	3860377.25	8.80E-01	2.34E-04	4.15E-03	2.27E-03	8.87E-01	9.19E-01	2.39E+00	3.78E-01	7.75E-02	3.76E+00	9.17E-01	2.74E-04	4.15E-03	2.27E-03	9.24E-01
4679	483363.09	3860377.25	8.91E-01	2.79E-04	3.07E-03	2.27E-03	8.96E-01	9.29E-01	2.85E+00	2.80E-01	7.78E-02	4.14E+00	9.27E-01	3.27E-04	3.07E-03	2.27E-03	9.33E-01
4680	483863.09	3860377.25	9.35E-01	3.07E-04	3.15E-03	2.35E-03	9.41E-01	9.76E-01	3.13E+00	2.87E-01	8.03E-02	4.48E+00	9.74E-01	3.59E-04	3.15E-03	2.35E-03	9.80E-01
4681	484363.09	3860377.25	9.57E-01	3.46E-04	2.79E-03	3.03E-03	9.63E-01	9.98E-01	3.53E+00	2.54E-01	1.04E-01	4.89E+00	9.96E-01	4.05E-04	2.79E-03	3.03E-03	1.00E+00
4682	484863.09	3860377.25	1.03E+00	3.67E-04	2.93E-03	2.88E-03	1.03E+00	1.07E+00	3.75E+00	2.67E-01	9.87E-02	5.18E+00	1.07E+00	4.29E-04	2.93E-03	2.88E-03	1.07E+00
4683	485363.09	3860377.25	1.05E+00	4.03E-04	2.43E-03	2.79E-03	1.05E+00	1.09E+00	4.11E+00	2.21E-01	9.53E-02	5.52E+00	1.09E+00	4.71E-04	2.43E-03	2.79E-03	1.09E+00
4684	485863.09	3860377.25	1.13E+00	4.51E-04	2.26E-03	2.97E-03	1.13E+00	1.18E+00	4.61E+00	2.06E-01	1.02E-01	6.09E+00	1.18E+00	5.28E-04	2.26E-03	2.97E-03	1.18E+00
4685	486363.09	3860377.25	1.19E+00	5.33E-04	2.40E-03	3.01E-03	1.20E+00	1.24E+00	5.45E+00	2.19E-01	1.03E-01	7.01E+00	1.24E+00	6.24E-04	2.40E-03	3.01E-03	1.25E+00
4686	486863.09	3860377.25	1.33E+00	6.54E-04	2.21E-03	3.74E-03	1.34E+00	1.39E+00	6.68E+00	2.02E-01	1.28E-01	8.40E+00	1.38E+00	7.65E-04	2.21E-03	3.74E-03	1.39E+00
4687	487363.09	3860377.25	1.55E+00	8.99E-04	1.75E-03	4.09E-03	1.56E+00	1.62E+00	9.19E+00	1.60E-01	1.40E-01	1.11E+01	1.62E+00	1.05E-03	1.75E-03	4.09E-03	1.62E+00
4688	487863.09	3860377.25	1.63E+00	1.61E-03	1.91E-03	4.48E-03	1.64E+00	1.70E+00	1.64E+01	1.74E-01	1.53E-01	1.84E+01	1.70E+00	1.88E-03	1.91E-03	4.48E-03	1.71E+00
4689	488363.09	3860377.25	1.82E+00	1.92E-03	1.95E-03	5.77E-03	1.82E+00	1.89E+00	1.96E+01	1.78E-01	1.97E-01	2.19E+01	1.89E+00	2.25E-03	1.95E-03	5.77E-03	1.90E+00
4690	488863.09	3860377.25	2.06E+00	2.10E-03	1.57E-03	7.32E-03	2.07E+00	2.15E+00	2.14E+01	1.43E-01	2.50E-01	2.40E+01	2.14E+00	2.45E-03	1.57E-03	7.32E-03	2.15E+00
4691	489363.09	3860377.25	1.98E+00	1.26E-03	2.39E-03	6.96E-03	1.99E+00	2.06E+00	1.29E+01	2.18E-01	2.38E-01	1.54E+01	2.06E+00	1.48E-03	2.39E-03	6.96E-03	2.07E+00
4692	489863.09	3860377.25	1.81E+00	9.07E-04	2.20E-03	6.62E-03	1.82E+00	1.89E+00	9.26E+00	2.00E-01	2.26E-01	1.16E+01	1.88E+00	1.06E-03	2.20E-03	6.62E-03	1.89E+00
4693	490363.09	3860377.25	2.04E+00	8.18E-04	3.43E-03	6.08E-03	2.05E+00	2.13E+00	8.36E+00	3.12E-01	2.08E-01	1.10E+01	2.13E+00	9.57E-04	3.43E-03	6.08E-03	2.14E+00

4694	490863.09	3860377.25	1.73E+00	6.94E-04	4.02E-03	5.79E-03	1.74E+00	1.80E+00	7.09E+00	3.66E-01	1.98E-01	9.45E+00	1.80E+00	8.12E-04	4.02E-03	5.79E-03	1.81E+00
4695	491363.09	3860377.25	1.47E+00	5.86E-04	5.04E-03	5.41E-03	1.48E+00	1.53E+00	5.98E+00	4.60E-01	1.85E-01	8.16E+00	1.53E+00	6.85E-04	5.04E-03	5.41E-03	1.54E+00
4696	491863.09	3860377.25	1.48E+00	5.03E-04	4.85E-03	5.25E-03	1.49E+00	1.54E+00	5.14E+00	4.42E-01	1.80E-01	7.31E+00	1.54E+00	5.89E-04	4.85E-03	5.25E-03	1.55E+00
4697	492363.09	3860377.25	1.39E+00	4.35E-04	4.78E-03	5.60E-03	1.40E+00	1.45E+00	4.44E+00	4.36E-01	1.91E-01	6.52E+00	1.44E+00	5.09E-04	4.78E-03	5.60E-03	1.46E+00
4698	492863.09	3860377.25	1.34E+00	3.76E-04	5.59E-03	5.52E-03	1.35E+00	1.40E+00	3.84E+00	5.10E-01	1.89E-01	5.94E+00	1.40E+00	4.40E-04	5.59E-03	5.52E-03	1.41E+00
4699	493363.09	3860377.25	1.41E+00	3.44E-04	6.10E-03	5.18E-03	1.42E+00	1.47E+00	3.52E+00	5.56E-01	1.77E-01	5.72E+00	1.47E+00	4.03E-04	6.10E-03	5.18E-03	1.48E+00
4700	493863.09	3860377.25	1.39E+00	3.13E-04	7.35E-03	5.08E-03	1.41E+00	1.45E+00	3.20E+00	6.71E-01	1.74E-01	5.50E+00	1.45E+00	3.67E-04	7.35E-03	5.08E-03	1.46E+00
4701	494363.09	3860377.25	1.23E+00	2.88E-04	8.07E-03	4.93E-03	1.24E+00	1.28E+00	2.94E+00	7.36E-01	1.68E-01	5.12E+00	1.28E+00	3.36E-04	8.07E-03	4.93E-03	1.29E+00
4702	494863.09	3860377.25	1.11E+00	2.65E-04	8.72E-03	4.82E-03	1.12E+00	1.15E+00	2.71E+00	7.95E-01	1.65E-01	4.82E+00	1.15E+00	3.10E-04	8.72E-03	4.82E-03	1.17E+00
4703	495363.09	3860377.25	1.04E+00	2.40E-04	9.76E-03	4.61E-03	1.05E+00	1.08E+00	2.45E+00	8.90E-01	1.58E-01	4.58E+00	1.08E+00	2.81E-04	9.76E-03	4.61E-03	1.10E+00
4704	495863.09	3860377.25	1.02E+00	1.89E-04	1.01E-02	4.53E-03	1.03E+00	1.06E+00	1.93E+00	9.19E-01	1.55E-01	4.07E+00	1.06E+00	2.21E-04	1.01E-02	4.53E-03	1.07E+00
4705	496363.09	3860377.25	1.07E+00	1.43E-04	1.17E-02	4.54E-03	1.08E+00	1.11E+00	1.46E+00	1.06E+00	1.55E-01	3.79E+00	1.11E+00	1.67E-04	1.17E-02	4.54E-03	1.13E+00
4706	496863.09	3860377.25	9.44E-01	1.08E-04	1.13E-02	4.26E-03	9.59E-01	9.85E-01	1.10E+00	1.03E+00	1.46E-01	3.26E+00	9.83E-01	1.26E-04	1.13E-02	4.26E-03	9.98E-01
4707	497363.09	3860377.25	8.15E-01	7.54E-05	1.10E-02	3.82E-03	8.30E-01	8.50E-01	7.70E-01	1.00E+00	1.31E-01	2.76E+00	8.49E-01	8.82E-05	1.10E-02	3.82E-03	8.64E-01
4708	497863.09	3860377.25	8.89E-01	1.24E-04	1.17E-02	3.77E-03	9.04E-01	9.27E-01	1.27E+00	1.07E+00	1.29E-01	3.39E+00	9.25E-01	1.45E-04	1.17E-02	3.77E-03	9.41E-01
4709	498363.09	3860377.25	7.59E-01	1.68E-04	1.14E-02	3.80E-03	7.74E-01	7.92E-01	1.71E+00	1.04E+00	1.30E-01	3.67E+00	7.90E-01	1.96E-04	1.14E-02	3.80E-03	8.06E-01
4710	471363.09	3860877.25	4.45E-01	8.76E-05	9.15E-04	1.04E-03	4.47E-01	4.64E-01	8.95E-01	8.34E-02	3.56E-02	1.48E+00	4.63E-01	1.02E-04	9.15E-04	1.04E-03	4.65E-01
4711	471863.09	3860877.25	4.53E-01	8.91E-05	9.32E-04	1.04E-03	4.55E-01	4.73E-01	9.10E-01	8.50E-02	3.56E-02	1.50E+00	4.72E-01	1.04E-04	9.32E-04	1.04E-03	4.74E-01
4712	472363.09	3860877.25	4.69E-01	9.43E-05	9.92E-04	1.10E-03	4.71E-01	4.89E-01	9.64E-01	9.05E-02	3.76E-02	1.58E+00	4.88E-01	1.10E-04	9.92E-04	1.10E-03	4.90E-01
4713	472863.09	3860877.25	4.82E-01	1.01E-04	1.10E-03	1.17E-03	4.84E-01	5.03E-01	1.03E+00	1.00E-01	3.99E-02	1.68E+00	5.02E-01	1.18E-04	1.10E-03	1.17E-03	5.04E-01
4714	473363.09	3860877.25	5.03E-01	1.03E-04	1.17E-03	1.19E-03	5.05E-01	5.24E-01	1.05E+00	1.07E-01	4.07E-02	1.73E+00	5.23E-01	1.21E-04	1.17E-03	1.19E-03	5.26E-01
4715	473863.09	3860877.25	5.39E-01	1.02E-04	1.28E-03	1.25E-03	5.42E-01	5.62E-01	1.04E+00	1.17E-01	4.28E-02	1.76E+00	5.61E-01	1.19E-04	1.28E-03	1.25E-03	5.64E-01
4716	474363.09	3860877.25	5.71E-01	9.78E-05	1.35E-03	1.35E-03	5.74E-01	5.95E-01	9.99E-01	1.23E-01	4.62E-02	1.76E+00	5.94E-01	1.14E-04	1.35E-03	1.35E-03	5.97E-01
4717	474863.09	3860877.25	5.66E-01	9.43E-05	1.45E-03	1.43E-03	5.69E-01	5.91E-01	9.63E-01	1.33E-01	4.88E-02	1.74E+00	5.90E-01	1.10E-04	1.45E-03	1.43E-03	5.93E-01
4718	475363.09	3860877.25	5.65E-01	8.39E-05	1.55E-03	1.50E-03	5.68E-01	5.90E-01	8.57E-01	1.42E-01	5.13E-02	1.64E+00	5.89E-01	9.81E-05	1.55E-03	1.50E-03	5.92E-01
4719	475863.09	3860877.25	5.47E-01	6.94E-05	1.58E-03	1.64E-03	5.50E-01	5.70E-01	7.09E-01	1.44E-01	5.60E-02	1.48E+00	5.69E-01	8.12E-05	1.58E-03	1.64E-03	5.73E-01
4720	476363.09	3860877.25	4.76E-01	5.34E-05	1.72E-03	1.68E-03	4.80E-01	4.97E-01	5.46E-01	1.57E-01	5.74E-02	1.26E+00	4.96E-01	6.25E-05	1.72E-03	1.68E-03	4.99E-01
4721	476863.09	3860877.25	4.32E-01	4.68E-05	2.05E-03	1.85E-03	4.36E-01	4.51E-01	4.78E-01	1.87E-01	6.31E-02	1.18E+00	4.50E-01	5.47E-05	2.05E-03	1.85E-03	4.54E-01
4722	477363.09	3860877.25	4.33E-01	4.50E-05	2.50E-03	2.03E-03	4.38E-01	4.52E-01	4.60E-01	2.28E-01	6.93E-02	1.21E+00	4.51E-01	5.26E-05	2.50E-03	2.03E-03	4.56E-01
4723	477863.09	3860877.25	3.32E-01	3.64E-05	3.18E-03	2.06E-03	3.37E-01	3.46E-01	3.72E-01	2.90E-01	7.06E-02	1.08E+00	3.46E-01	4.26E-05	3.18E-03	2.06E-03	3.51E-01
4724	478363.09	3860877.25	1.50E-01	2.50E-05	1.96E-03	1.56E-03	1.54E-01	1.57E-01	2.55E-01	1.79E-01	5.35E-02	6.44E-01	1.56E-01	2.92E-05	1.96E-03	1.56E-03	1.60E-01
4725	478863.09	3860877.25	4.49E-01	4.34E-05	3.81E-03	1.91E-03	4.55E-01	4.69E-01	4.43E-01	3.48E-01	6.52E-02	1.32E+00	4.68E-01	5.07E-05	3.81E-03	1.91E-03	4.74E-01
4726	479363.09	3860877.25	5.99E-01	7.64E-05	2.81E-03	2.19E-03	6.04E-01	6.25E-01	7.80E-01	2.56E-01	7.48E-02	1.74E+00	6.24E-01	8.94E-05	2.81E-03	2.19E-03	6.29E-01
4727	479863.09	3860877.25	6.17E-01	1.19E-04	3.57E-03	2.10E-03	6.23E-01	6.44E-01	1.22E+00	3.26E-01	7.18E-02	2.26E+00	6.43E-01	1.40E-04	3.57E-03	2.10E-03	6.49E-01
4728	480363.09	3860877.25	6.45E-01	1.57E-04	3.57E-03	1.95E-03	6.51E-01	6.73E-01	1.60E+00	3.26E-01	6.65E-02	2.67E+00	6.72E-01	1.84E-04	3.57E-03	1.95E-03	6.77E-01
4729	480863.09	3860877.25	6.83E-01	1.76E-04	3.22E-03	2.05E-03	6.88E-01	7.13E-01	1.79E+00	2.94E-01	7.00E-02	2.87E+00	7.11E-01	2.05E-04	3.22E-03	2.05E-03	7.17E-01
4730	481363.09	3860877.25	6.80E-01	1.94E-04	3.72E-03	2.05E-03	6.86E-01	7.10E-01	1.98E+00	3.40E-01	7.00E-02	3.10E+00	7.08E-01	2.27E-04	3.72E-03	2.05E-03	7.14E-01
4731	481863.09	3860877.25	7.09E-01	2.10E-04	3.12E-03	1.87E-03	7.15E-01	7.40E-01	2.14E+00	2.85E-01	6.39E-02	3.23E+00	7.39E-01	2.45E-04	3.12E-03	1.87E-03	7.44E-01
4732	482363.09	3860877.25	7.71E-01	2.33E-04	2.48E-03	1.89E-03	7.76E-01	8.05E-01	2.38E+00	2.26E-01	6.45E-02	3.47E+00	8.03E-01	2.72E-04	2.48E-03	1.89E-03	8.08E-01
4733	482863.09	3860877.25	8.17E-01	2.43E-04	2.78E-03	2.06E-03	8.22E-01	8.52E-01	2.49E+00	2.54E-01	7.05E-02	3.66E+00	8.50E-01	2.85E-04	2.78E-03	2.06E-03	8.56E-01
4734	483363.09	3860877.25	8.34E-01	2.60E-04	2.13E-03	2.56E-03	8.39E-01	8.71E-01	2.65E+00	1.94E-01	8.75E-02	3.80E+00	8.69E-01	3.04E-04	2.13E-03	2.56E-03	8.74E-01
4735	483863.09	3860877.25	8.89E-01	2.71E-04	2.19E-03	2.78E-03	8.94E-01	9.28E-01	2.77E+00	1.99E-01	9.51E-02	3.99E+00	9.26E-01	3.17E-04	2.19E-03	2.78E-03	9.31E-01
4736	484363.09	3860877.25	9.24E-01	3.07E-04	2.18E-03	3.03E-03	9.30E-01	9.64E-01	3.14E+00	1.99E-01	1.04E-01	4.40E+00	9.62E-01	3.59E-04	2.18E-03	3.03E-03	9.68E-01
4737	484863.09	3860877.25	9.23E-01	3.23E-04	1.78E-03	2.91E-03	9.28E-01	9.63E-01	3.30E+00	1.62E-01	9.95E-02	4.53E+00	9.61E-01	3.78E-04	1.78E-03	2.91E-03	9.66E-01
4738	485363.09	3860877.25	9.75E-01	3.53E-04	1.77E-03	2.98E-03	9.80E-01	1.02E+00	3.60E+00	1.62E-01	1.02E-01	4.88E+00	1.02E+00	4.13E-04	1.77E-03	2.98E-03	1.02E+00
4739	485863.09	3860877.25	1.03E+00	4.07E-04	2.00E-03	2.60E-03	1.04E+00	1.08E+00	4.16E+00	1.83E-01	8.91E-02	5.51E+00	1.08E+00	4.76E-04	2.00E-03	2.60E-03	1.08E+00
4740	486363.09	3860877.25	1.07E+00	4.73E-04	2.62E-03	2.81E-03	1.07E+00	1.11E+00	4.83E+00	2.39E-01	9.60E-02	6.28E+00	1.11E+00	5.53E-04	2.62E-03	2.81E-03	1.12E+00
4741	486863.09	3860877.25	1.19E+00	5.63E-04	1.78E-03	3.28E-03	1.20E+00	1.25E+00	5.75E+00	1.62E-01	1.12E-01	7.27E+00	1.24E+00	6.58E-04	1.78E-03	3.28E-03	1.25E+00
4742	487363.09	3860877.25	1.35E+00	7.51E-04	1.48E-03	2.89E-03	1.36E+00	1.41E+00	7.67E+00	1.35E-01	9.88E-02	9.31E+00	1.41E+00	8.78E-04	1.48E-03	2.89E-03	1.41E+00
4743	487863.09	3860877.25	1.37E+00	9.41E-04	1.53E-03	3.24E-03	1.38E+00	1.43E+00	9.61E+00	1.40E-01	1.11E-01	1.13E+01	1.43E+00	1.10E-03	1.53E-03	3.24E-03	1.44E+00
4744	488363.09	3860877.25	1.57E+00	1.23E-03	1.62E-03	3.15E-03	1.57E+00	1.64E+00	1.26E+01	1.48E-01	1.08E-01	1.45E+01	1.63E+00	1.44E-03	1.62E-03	3.15E-03	1.64E+00
4745	488863.09	3860877.25	1.73E+00	1.34E-03	1.36E-03	4.23E-03	1.74E+00	1.80E+00	1.37E+01	1.24E-01	1.45E-01	1.58E+01	1.80E+00	1.57E-03	1.36E-03	4.23E-03	1.81E+00
4746	489363.09	3860877.25	1.70E+00	1.38E-03	1.59E-03	4.12E-03	1.71E+00	1.78E+00	1.41E+01	1.45E-01	1.41E-01	1.62E+01	1.77E+00	1.62E-03	1.59E-03	4.12E-03	1.78E+00
4747	489863.09	3860877.25	1.70E+00	1.06E-03	1.64E-03	3.57E-03	1.70E+00	1.77E+00	1.08E+01	1.49E-01	1.22E-01	1.29E+01	1.77E+00	1.24E-03	1.64E-03	3.57E-03	1.77E+00
4748	490363.09	3860877.25	1.52E+00	7.97E-04	1.83E-03	3.68E-03	1.52E+00	1.58E+00	8.14E+00	1.67E-01	1.26E-01	1.00E+01	1.58E+00	9.32E-04	1.83E-03	3.68E-03	1.59E+00
4749	490863.09	3860877.25	1.68E+00	6.70E-04	2.49E-03	4.09E-03	1.69E+00	1.76E+00	6.84E+00	2.27E-01	1.40E-01	8.96E+00	1.75E+00	7.84E-04	2.49E-03	4.09E-03	1.76E+00
4750	491363.09	3860877.25	1.52E+00	6.13E-04	3.02E-03	4.38E-03	1.53E+00	1.59E+00	6.26E+00	2.75E-01	1.50E-01	8.28E+00	1.58E+00	7.17E-04	3.02E-03	4.38E-03	1.59E+00
4751	491863.09	3860877.25	1.31E+00	5.49E-04	3.76E-03	4.30E-03	1.32E+00	1.37E+00	5.61E+00	3.43E-01	1.47E-01	7.47E+00	1.37E+00	6.42E-04	3.76E-03	4.30E-03	1.38E+00
4752	492363.09	3860877.25	1.24E+00	4.66E-04	3.51E-03	4.22E-03	1.25E+00	1.30E+00	4.76E+00	3.20E-01	1.44E-01	6.52E+00	1.29E+00	5.46E-04	3.51E-03	4.22E-03	1.30E+00
4753	492863.09	3860877.25	1.18E+00	4.17E-04	3.44E-03	4.40E-03	1.19E+00	1.23E+00	4.26E+00	3.14E-01	1.50E-01	5.96E+00	1.23E+00	4.88E-04	3.44E-03	4.40E-03	1.24E+00
4754	493363.09	3860877.25	1.13E+00	3.84E-04	3.71E-03	4.52E-03	1.13E+00	1.17E+00	3.92E+00	3.39E-01	1.55E-01	5.59E+00	1.17E+00	4.49E-04	3.71E-03	4.52E-03	1.18E+00

4755	493863.09	3860877.25	1.13E+00	3.45E-04	4.11E-03	4.53E-03	1.14E+00	1.18E+00	3.52E+00	3.75E-01	1.55E-01	5.23E+00	1.18E+00	4.03E-04	4.11E-03	4.53E-03	1.19E+00
4756	494363.09	3860877.25	1.16E+00	3.10E-04	4.41E-03	4.64E-03	1.17E+00	1.21E+00	3.17E+00	4.02E-01	1.59E-01	4.94E+00	1.21E+00	3.63E-04	4.41E-03	4.64E-03	1.22E+00
4757	494863.09	3860877.25	1.16E+00	2.82E-04	4.93E-03	4.60E-03	1.17E+00	1.21E+00	2.88E+00	4.50E-01	1.57E-01	4.70E+00	1.21E+00	3.30E-04	4.93E-03	4.60E-03	1.22E+00
4758	495363.09	3860877.25	1.05E+00	2.61E-04	5.89E-03	4.46E-03	1.06E+00	1.10E+00	2.67E+00	5.37E-01	1.52E-01	4.45E+00	1.09E+00	3.05E-04	5.89E-03	4.46E-03	1.10E+00
4759	495863.09	3860877.25	9.49E-01	2.44E-04	7.19E-03	4.52E-03	9.61E-01	9.90E-01	2.50E+00	6.55E-01	1.55E-01	4.30E+00	9.88E-01	2.86E-04	7.19E-03	4.52E-03	1.00E+00
4760	496363.09	3860877.25	9.02E-01	2.29E-04	7.41E-03	4.33E-03	9.14E-01	9.41E-01	2.34E+00	6.76E-01	1.48E-01	4.11E+00	9.39E-01	2.68E-04	7.41E-03	4.33E-03	9.51E-01
4761	496863.09	3860877.25	9.14E-01	1.86E-04	8.03E-03	4.33E-03	9.26E-01	9.53E-01	1.90E+00	7.32E-01	1.48E-01	3.73E+00	9.51E-01	2.18E-04	8.03E-03	4.33E-03	9.64E-01
4762	497363.09	3860877.25	9.00E-01	1.75E-04	7.75E-03	4.11E-03	9.12E-01	9.39E-01	1.79E+00	7.07E-01	1.41E-01	3.58E+00	9.38E-01	2.05E-04	7.75E-03	4.11E-03	9.50E-01
4763	497863.09	3860877.25	8.82E-01	1.60E-04	8.63E-03	4.24E-03	8.95E-01	9.21E-01	1.64E+00	7.87E-01	1.45E-01	3.49E+00	9.19E-01	1.87E-04	8.63E-03	4.24E-03	9.32E-01
4764	498363.09	3860877.25	7.55E-01	1.74E-04	9.47E-03	3.77E-03	7.68E-01	7.88E-01	1.77E+00	8.63E-01	1.29E-01	3.55E+00	7.86E-01	2.03E-04	9.47E-03	3.77E-03	7.99E-01
4765	471363.09	3861377.25	4.44E-01	8.92E-05	1.05E-03	9.86E-04	4.46E-01	4.63E-01	9.12E-01	9.55E-02	3.37E-02	1.50E+00	4.62E-01	1.04E-04	1.05E-03	9.86E-04	4.64E-01
4766	471863.09	3861377.25	4.40E-01	8.80E-05	1.14E-03	1.01E-03	4.42E-01	4.59E-01	8.99E-01	1.04E-01	3.44E-02	1.50E+00	4.58E-01	1.03E-04	1.14E-03	1.01E-03	4.60E-01
4767	472363.09	3861377.25	4.58E-01	9.25E-05	1.20E-03	1.06E-03	4.61E-01	4.78E-01	9.45E-01	1.09E-01	3.62E-02	1.57E+00	4.77E-01	1.08E-04	1.20E-03	1.06E-03	4.80E-01
4768	472863.09	3861377.25	4.87E-01	9.88E-05	1.31E-03	1.16E-03	4.89E-01	5.08E-01	1.01E+00	1.19E-01	3.96E-02	1.68E+00	5.07E-01	1.16E-04	1.31E-03	1.16E-03	5.10E-01
4769	473363.09	3861377.25	5.08E-01	1.02E-04	1.33E-03	1.27E-03	5.11E-01	5.30E-01	1.04E+00	1.21E-01	4.33E-02	1.74E+00	5.29E-01	1.19E-04	1.33E-03	1.27E-03	5.32E-01
4770	473863.09	3861377.25	5.06E-01	1.02E-04	1.32E-03	1.33E-03	5.09E-01	5.28E-01	1.04E+00	1.21E-01	4.55E-02	1.73E+00	5.27E-01	1.19E-04	1.32E-03	1.33E-03	5.30E-01
4771	474363.09	3861377.25	5.11E-01	1.06E-04	1.38E-03	1.36E-03	5.14E-01	5.33E-01	1.08E+00	1.26E-01	4.66E-02	1.79E+00	5.32E-01	1.24E-04	1.38E-03	1.36E-03	5.35E-01
4772	474863.09	3861377.25	5.23E-01	1.02E-04	1.61E-03	1.51E-03	5.26E-01	5.46E-01	1.04E+00	1.47E-01	5.15E-02	1.78E+00	5.45E-01	1.19E-04	1.61E-03	1.51E-03	5.48E-01
4773	475363.09	3861377.25	5.37E-01	1.05E-04	1.46E-03	1.57E-03	5.40E-01	5.61E-01	1.07E+00	1.33E-01	5.37E-02	1.82E+00	5.59E-01	1.23E-04	1.46E-03	1.57E-03	5.63E-01
4774	475863.09	3861377.25	5.47E-01	9.87E-05	2.30E-03	1.63E-03	5.51E-01	5.71E-01	1.01E+00	2.10E-01	5.56E-02	1.84E+00	5.69E-01	1.15E-04	2.30E-03	1.63E-03	5.74E-01
4775	476363.09	3861377.25	5.41E-01	8.61E-05	2.83E-03	1.81E-03	5.45E-01	5.64E-01	8.80E-01	2.58E-01	6.19E-02	1.76E+00	5.63E-01	1.01E-04	2.83E-03	1.81E-03	5.68E-01
4776	476863.09	3861377.25	5.48E-01	7.84E-05	2.56E-03	1.85E-03	5.52E-01	5.72E-01	8.01E-01	2.33E-01	6.33E-02	1.67E+00	5.70E-01	9.17E-05	2.56E-03	1.85E-03	5.75E-01
4777	477363.09	3861377.25	5.49E-01	7.23E-05	2.42E-03	1.80E-03	5.53E-01	5.72E-01	7.38E-01	2.21E-01	6.15E-02	1.59E+00	5.71E-01	8.45E-05	2.42E-03	1.80E-03	5.76E-01
4778	477863.09	3861377.25	4.42E-01	4.49E-05	2.39E-03	1.81E-03	4.46E-01	4.61E-01	4.59E-01	2.18E-01	6.19E-02	1.20E+00	4.60E-01	5.25E-05	2.39E-03	1.81E-03	4.64E-01
4779	478363.09	3861377.25	2.12E-01	2.76E-05	2.27E-03	1.55E-03	2.16E-01	2.21E-01	2.82E-01	2.07E-01	5.31E-02	7.63E-01	2.21E-01	3.23E-05	2.27E-03	1.55E-03	2.25E-01
4780	478863.09	3861377.25	2.90E-01	3.18E-05	2.56E-03	1.88E-03	2.95E-01	3.03E-01	3.25E-01	2.33E-01	6.44E-02	9.26E-01	3.02E-01	3.72E-05	2.56E-03	1.88E-03	3.07E-01
4781	479363.09	3861377.25	5.39E-01	6.75E-05	2.54E-03	2.10E-03	5.44E-01	5.63E-01	6.89E-01	2.31E-01	7.19E-02	1.56E+00	5.61E-01	7.89E-05	2.54E-03	2.10E-03	5.66E-01
4782	479863.09	3861377.25	5.88E-01	1.22E-04	2.63E-03	1.92E-03	5.93E-01	6.14E-01	1.25E+00	2.39E-01	6.55E-02	2.17E+00	6.12E-01	1.43E-04	2.63E-03	1.92E-03	6.17E-01
4783	480363.09	3861377.25	5.96E-01	1.69E-04	2.93E-03	1.90E-03	6.01E-01	6.22E-01	1.73E+00	2.67E-01	6.50E-02	2.68E+00	6.20E-01	1.98E-04	2.93E-03	1.90E-03	6.25E-01
4784	480863.09	3861377.25	6.21E-01	1.84E-04	2.49E-03	1.88E-03	6.25E-01	6.48E-01	1.88E+00	2.27E-01	6.45E-02	2.82E+00	6.46E-01	2.16E-04	2.49E-03	1.88E-03	6.51E-01
4785	481363.09	3861377.25	6.40E-01	2.00E-04	1.97E-03	1.86E-03	6.44E-01	6.68E-01	2.04E+00	1.79E-01	6.35E-02	2.95E+00	6.66E-01	2.34E-04	1.97E-03	1.86E-03	6.70E-01
4786	481863.09	3861377.25	6.92E-01	2.05E-04	2.28E-03	1.95E-03	6.96E-01	7.22E-01	2.09E+00	2.08E-01	6.68E-02	3.09E+00	7.21E-01	2.40E-04	2.28E-03	1.95E-03	7.25E-01
4787	482363.09	3861377.25	7.43E-01	2.14E-04	1.87E-03	1.98E-03	7.47E-01	7.75E-01	2.19E+00	1.70E-01	6.77E-02	3.20E+00	7.74E-01	2.51E-04	1.87E-03	1.98E-03	7.78E-01
4788	482863.09	3861377.25	7.40E-01	2.22E-04	1.85E-03	2.27E-03	7.44E-01	7.72E-01	2.27E+00	1.69E-01	7.75E-02	3.29E+00	7.71E-01	2.60E-04	1.85E-03	2.27E-03	7.75E-01
4789	483363.09	3861377.25	7.67E-01	2.35E-04	1.87E-03	2.37E-03	7.72E-01	8.00E-01	2.40E+00	1.70E-01	8.11E-02	3.45E+00	7.99E-01	2.75E-04	1.87E-03	2.37E-03	8.03E-01
4790	483863.09	3861377.25	8.37E-01	2.60E-04	1.72E-03	2.63E-03	8.41E-01	8.73E-01	2.66E+00	1.57E-01	9.00E-02	3.78E+00	8.71E-01	3.04E-04	1.72E-03	2.63E-03	8.76E-01
4791	484363.09	3861377.25	8.85E-01	2.82E-04	1.56E-03	2.71E-03	8.89E-01	9.23E-01	2.88E+00	1.43E-01	9.28E-02	4.04E+00	9.21E-01	3.30E-04	1.56E-03	2.71E-03	9.26E-01
4792	484863.09	3861377.25	8.76E-01	2.97E-04	1.52E-03	2.65E-03	8.80E-01	9.14E-01	3.03E+00	1.39E-01	9.07E-02	4.17E+00	9.12E-01	3.47E-04	1.52E-03	2.65E-03	9.16E-01
4793	485363.09	3861377.25	8.95E-01	3.20E-04	1.73E-03	2.29E-03	8.99E-01	9.33E-01	3.27E+00	1.58E-01	7.83E-02	4.44E+00	9.32E-01	3.75E-04	1.73E-03	2.29E-03	9.36E-01
4794	485863.09	3861377.25	9.34E-01	3.56E-04	1.93E-03	2.12E-03	9.39E-01	9.75E-01	3.64E+00	1.76E-01	7.23E-02	4.86E+00	9.73E-01	4.17E-04	1.93E-03	2.12E-03	9.78E-01
4795	486363.09	3861377.25	9.58E-01	3.96E-04	1.62E-03	2.10E-03	9.62E-01	1.00E+00	4.04E+00	1.48E-01	7.17E-02	5.26E+00	9.98E-01	4.63E-04	1.62E-03	2.10E-03	1.00E+00
4796	486863.09	3861377.25	1.07E+00	4.66E-04	1.40E-03	2.53E-03	1.07E+00	1.11E+00	4.76E+00	1.28E-01	8.64E-02	6.09E+00	1.11E+00	5.45E-04	1.40E-03	2.53E-03	1.12E+00
4797	487363.09	3861377.25	1.17E+00	6.07E-04	1.26E-03	2.06E-03	1.18E+00	1.23E+00	6.20E+00	1.15E-01	7.05E-02	7.61E+00	1.22E+00	7.10E-04	1.26E-03	2.06E-03	1.23E+00
4798	487863.09	3861377.25	1.26E+00	6.38E-04	1.34E-03	1.69E-03	1.26E+00	1.32E+00	6.52E+00	1.22E-01	5.78E-02	8.02E+00	1.31E+00	7.47E-04	1.34E-03	1.69E-03	1.32E+00
4799	488363.09	3861377.25	1.28E+00	7.36E-04	1.36E-03	1.69E-03	1.29E+00	1.34E+00	7.52E+00	1.24E-01	5.77E-02	9.04E+00	1.33E+00	8.61E-04	1.36E-03	1.69E-03	1.34E+00
4800	488863.09	3861377.25	1.39E+00	9.12E-04	1.25E-03	1.72E-03	1.39E+00	1.45E+00	9.32E+00	1.14E-01	5.88E-02	1.09E+01	1.45E+00	1.07E-03	1.25E-03	1.72E-03	1.45E+00
4801	489363.09	3861377.25	1.53E+00	9.83E-04	1.16E-03	2.32E-03	1.53E+00	1.59E+00	1.00E+01	1.06E-01	7.93E-02	1.18E+01	1.59E+00	1.15E-03	1.16E-03	2.32E-03	1.59E+00
4802	489863.09	3861377.25	1.49E+00	9.58E-04	1.59E-03	2.68E-03	1.50E+00	1.56E+00	9.79E+00	1.45E-01	9.18E-02	1.16E+01	1.55E+00	1.12E-03	1.59E-03	2.68E-03	1.56E+00
4803	490363.09	3861377.25	1.44E+00	8.55E-04	1.31E-03	2.14E-03	1.44E+00	1.50E+00	8.74E+00	1.20E-01	7.31E-02	1.04E+01	1.50E+00	1.00E-03	1.31E-03	2.14E-03	1.50E+00
4804	490863.09	3861377.25	1.32E+00	7.27E-04	1.48E-03	2.36E-03	1.33E+00	1.38E+00	7.43E+00	1.35E-01	8.08E-02	9.03E+00	1.38E+00	8.51E-04	1.48E-03	2.36E-03	1.38E+00
4805	491363.09	3861377.25	1.42E+00	6.18E-04	1.96E-03	2.67E-03	1.43E+00	1.48E+00	6.31E+00	1.79E-01	9.13E-02	8.06E+00	1.48E+00	7.23E-04	1.96E-03	2.67E-03	1.48E+00
4806	491863.09	3861377.25	1.39E+00	5.48E-04	2.55E-03	3.11E-03	1.40E+00	1.45E+00	5.60E+00	2.33E-01	1.06E-01	7.38E+00	1.45E+00	6.41E-04	2.55E-03	3.11E-03	1.45E+00
4807	492363.09	3861377.25	1.11E+00	4.99E-04	2.88E-03	3.14E-03	1.12E+00	1.16E+00	5.10E+00	2.62E-01	1.07E-01	6.63E+00	1.16E+00	5.84E-04	2.88E-03	3.14E-03	1.17E+00
4808	492863.09	3861377.25	9.98E-01	4.49E-04	2.86E-03	3.05E-03	1.00E+00	1.04E+00	4.58E+00	2.61E-01	1.04E-01	5.99E+00	1.04E+00	5.25E-04	2.86E-03	3.05E-03	1.05E+00
4809	493363.09	3861377.25	1.08E+00	3.95E-04	2.77E-03	3.24E-03	1.08E+00	1.12E+00	4.04E+00	2.53E-01	1.11E-01	5.52E+00	1.12E+00	4.62E-04	2.77E-03	3.24E-03	1.13E+00
4810	493863.09	3861377.25	9.56E-01	3.66E-04	2.58E-03	3.43E-03	9.62E-01	9.98E-01	3.74E+00	2.36E-01	1.17E-01	5.09E+00	9.96E-01	4.28E-04	2.58E-03	3.43E-03	1.00E+00
4811	494363.09	3861377.25	8.98E-01	3.24E-04	2.79E-03	3.58E-03	9.05E-01	9.37E-01	3.31E+00	2.54E-01	1.22E-01	4.62E+00	9.35E-01	3.79E-04	2.79E-03	3.58E-03	9.42E-01
4812	494863.09	3861377.25	9.45E-01	2.98E-04	3.19E-03	3.54E-03	9.52E-01	9.86E-01	3.05E+00	2.91E-01	1.21E-01	4.45E+00	9.84E-01	3.49E-04	3.19E-03	3.54E-03	9.91E-01
4813	495363.09	3861377.25	9.68E-01	2.79E-04	3.60E-03	3.61E-03	9.75E-01	1.01E+00	2.85E+00	3.28E-01	1.24E-01	4.31E+00	1.01E+00	3.26E-04	3.60E-03	3.61E-03	1.02E+00
4814	495863.09	3861377.25	9.47E-01	2.57E-04	3.59E-03	3.54E-03	9.54E-01	9.88E-01	2.62E+00	3.27E-01	1.21E-01	4.06E+00	9.86E-01	3.00E-04	3.59E-03	3.54E-03	9.94E-01
4815	496363.09	3861377.25	9.01E-01	2.40E-04	4.39E-03	3.58E-03	9.10E-01	9.40E-01	2.45E+00	4.01E-01	1.23E-01	3.92E+00	9.39E-01	2.81E-04	4.39E-03	3.58E-03	9.47E-01

4816	496863.09	3861377.25	8.56E-01	2.30E-04	4.99E-03	3.94E-03	8.65E-01	8.93E-01	2.35E+00	4.56E-01	1.35E-01	3.83E+00	8.91E-01	2.69E-04	4.99E-03	3.94E-03	9.01E-01
4817	497363.09	3861377.25	7.94E-01	2.16E-04	5.97E-03	3.92E-03	8.04E-01	8.29E-01	2.21E+00	5.45E-01	1.34E-01	3.72E+00	8.27E-01	2.53E-04	5.97E-03	3.92E-03	8.37E-01
4818	497863.09	3861377.25	7.63E-01	2.03E-04	6.47E-03	4.00E-03	7.74E-01	7.96E-01	2.07E+00	5.90E-01	1.37E-01	3.59E+00	7.95E-01	2.37E-04	6.47E-03	4.00E-03	8.06E-01
4819	498363.09	3861377.25	7.44E-01	1.90E-04	6.79E-03	3.88E-03	7.55E-01	7.76E-01	1.94E+00	6.19E-01	1.33E-01	3.47E+00	7.75E-01	2.22E-04	6.79E-03	3.88E-03	7.86E-01
4820	471363.09	3861877.25	4.21E-01	9.39E-05	1.15E-03	9.88E-04	4.23E-01	4.39E-01	9.60E-01	1.05E-01	3.38E-02	1.54E+00	4.38E-01	1.10E-04	1.15E-03	9.88E-04	4.40E-01
4821	471863.09	3861877.25	4.45E-01	9.34E-05	1.17E-03	1.08E-03	4.47E-01	4.64E-01	9.54E-01	1.07E-01	3.70E-02	1.56E+00	4.63E-01	1.09E-04	1.17E-03	1.08E-03	4.66E-01
4822	472363.09	3861877.25	4.54E-01	9.70E-05	1.19E-03	1.16E-03	4.56E-01	4.73E-01	9.91E-01	1.08E-01	3.98E-02	1.61E+00	4.72E-01	1.13E-04	1.19E-03	1.16E-03	4.75E-01
4823	472863.09	3861877.25	4.58E-01	9.96E-05	1.22E-03	1.31E-03	4.61E-01	4.78E-01	1.02E+00	1.11E-01	4.48E-02	1.65E+00	4.77E-01	1.17E-04	1.22E-03	1.31E-03	4.80E-01
4824	473363.09	3861877.25	4.70E-01	1.04E-04	1.28E-03	1.39E-03	4.73E-01	4.90E-01	1.07E+00	1.17E-01	4.74E-02	1.72E+00	4.89E-01	1.22E-04	1.28E-03	1.39E-03	4.92E-01
4825	473863.09	3861877.25	4.78E-01	1.04E-04	1.37E-03	1.46E-03	4.81E-01	4.99E-01	1.07E+00	1.25E-01	4.99E-02	1.74E+00	4.98E-01	1.22E-04	1.37E-03	1.46E-03	5.01E-01
4826	474363.09	3861877.25	4.83E-01	1.09E-04	1.49E-03	1.54E-03	4.87E-01	5.04E-01	1.12E+00	1.36E-01	5.26E-02	1.81E+00	5.03E-01	1.28E-04	1.49E-03	1.54E-03	5.07E-01
4827	474863.09	3861877.25	4.95E-01	1.07E-04	1.46E-03	1.55E-03	4.98E-01	5.16E-01	1.10E+00	1.33E-01	5.29E-02	1.80E+00	5.15E-01	1.26E-04	1.46E-03	1.55E-03	5.18E-01
4828	475363.09	3861877.25	4.94E-01	1.10E-04	1.53E-03	1.50E-03	4.97E-01	5.15E-01	1.12E+00	1.39E-01	5.13E-02	1.83E+00	5.14E-01	1.29E-04	1.53E-03	1.50E-03	5.17E-01
4829	475863.09	3861877.25	5.07E-01	1.14E-04	1.65E-03	1.50E-03	5.11E-01	5.29E-01	1.17E+00	1.50E-01	5.13E-02	1.90E+00	5.28E-01	1.33E-04	1.65E-03	1.50E-03	5.32E-01
4830	476363.09	3861877.25	5.01E-01	1.14E-04	1.86E-03	1.69E-03	5.04E-01	5.22E-01	1.17E+00	1.70E-01	5.80E-02	1.92E+00	5.21E-01	1.34E-04	1.86E-03	1.69E-03	5.25E-01
4831	476863.09	3861877.25	4.94E-01	1.05E-04	2.44E-03	1.79E-03	4.99E-01	5.16E-01	1.07E+00	2.23E-01	6.11E-02	1.87E+00	5.15E-01	1.23E-04	2.44E-03	1.79E-03	5.19E-01
4832	477363.09	3861877.25	4.96E-01	9.51E-05	2.36E-03	1.97E-03	5.01E-01	5.18E-01	9.71E-01	2.15E-01	6.73E-02	1.77E+00	5.17E-01	1.11E-04	2.36E-03	1.97E-03	5.21E-01
4833	477863.09	3861877.25	4.31E-01	4.93E-05	2.12E-03	1.81E-03	4.35E-01	4.50E-01	5.03E-01	1.94E-01	6.18E-02	1.21E+00	4.49E-01	5.76E-05	2.12E-03	1.81E-03	4.53E-01
4834	478363.09	3861877.25	1.65E-01	2.44E-05	2.02E-03	1.50E-03	1.68E-01	1.72E-01	2.49E-01	1.84E-01	5.12E-02	6.56E-01	1.71E-01	2.85E-05	2.02E-03	1.50E-03	1.75E-01
4835	478863.09	3861877.25	3.43E-01	3.56E-05	2.22E-03	1.74E-03	3.47E-01	3.58E-01	3.64E-01	2.03E-01	5.96E-02	9.84E-01	3.57E-01	4.17E-05	2.22E-03	1.74E-03	3.61E-01
4836	479363.09	3861877.25	3.00E-01	3.04E-05	2.10E-03	1.81E-03	3.04E-01	3.13E-01	3.10E-01	1.92E-01	6.17E-02	8.77E-01	3.13E-01	3.55E-05	2.10E-03	1.81E-03	3.17E-01
4837	479863.09	3861877.25	5.55E-01	1.14E-04	2.05E-03	2.15E-03	5.59E-01	5.79E-01	1.17E+00	1.87E-01	7.35E-02	2.01E+00	5.77E-01	1.34E-04	2.05E-03	2.15E-03	5.82E-01
4838	480363.09	3861877.25	5.68E-01	1.68E-04	1.65E-03	1.97E-03	5.71E-01	5.92E-01	1.71E+00	1.51E-01	6.74E-02	2.52E+00	5.91E-01	1.96E-04	1.65E-03	1.97E-03	5.95E-01
4839	480863.09	3861877.25	5.88E-01	1.82E-04	1.87E-03	1.86E-03	5.92E-01	6.14E-01	1.85E+00	1.70E-01	6.35E-02	2.70E+00	6.12E-01	2.12E-04	1.87E-03	1.86E-03	6.16E-01
4840	481363.09	3861877.25	6.16E-01	1.84E-04	1.68E-03	1.97E-03	6.20E-01	6.43E-01	1.88E+00	1.54E-01	6.72E-02	2.74E+00	6.42E-01	2.15E-04	1.68E-03	1.97E-03	6.45E-01
4841	481863.09	3861877.25	6.41E-01	1.88E-04	1.53E-03	2.21E-03	6.45E-01	6.68E-01	1.92E+00	1.40E-01	7.54E-02	2.81E+00	6.67E-01	2.20E-04	1.53E-03	2.21E-03	6.71E-01
4842	482363.09	3861877.25	6.84E-01	2.03E-04	1.43E-03	2.15E-03	6.88E-01	7.14E-01	2.07E+00	1.30E-01	7.35E-02	2.99E+00	7.12E-01	2.37E-04	1.43E-03	2.15E-03	7.16E-01
4843	482863.09	3861877.25	6.95E-01	2.13E-04	1.51E-03	2.19E-03	6.99E-01	7.25E-01	2.18E+00	1.38E-01	7.48E-02	3.12E+00	7.24E-01	2.49E-04	1.51E-03	2.19E-03	7.28E-01
4844	483363.09	3861877.25	7.33E-01	2.30E-04	1.53E-03	2.34E-03	7.38E-01	7.65E-01	2.35E+00	1.40E-01	8.02E-02	3.33E+00	7.64E-01	2.69E-04	1.53E-03	2.34E-03	7.68E-01
4845	483863.09	3861877.25	8.02E-01	2.41E-04	1.45E-03	2.33E-03	8.06E-01	8.36E-01	2.46E+00	1.32E-01	7.95E-02	3.51E+00	8.35E-01	2.82E-04	1.45E-03	2.33E-03	8.39E-01
4846	484363.09	3861877.25	8.02E-01	2.54E-04	1.32E-03	2.54E-03	8.06E-01	8.37E-01	2.59E+00	1.21E-01	8.67E-02	3.63E+00	8.35E-01	2.97E-04	1.32E-03	2.54E-03	8.39E-01
4847	484863.09	3861877.25	8.29E-01	2.70E-04	1.37E-03	2.14E-03	8.32E-01	8.65E-01	2.76E+00	1.25E-01	7.31E-02	3.82E+00	8.63E-01	3.16E-04	1.37E-03	2.14E-03	8.67E-01
4848	485363.09	3861877.25	8.18E-01	2.95E-04	1.48E-03	1.67E-03	8.22E-01	8.54E-01	3.01E+00	1.35E-01	5.70E-02	4.06E+00	8.52E-01	3.45E-04	1.48E-03	1.67E-03	8.56E-01
4849	485863.09	3861877.25	8.43E-01	3.12E-04	1.81E-03	1.96E-03	8.47E-01	8.79E-01	3.19E+00	1.65E-01	6.70E-02	4.30E+00	8.78E-01	3.65E-04	1.81E-03	1.96E-03	8.82E-01
4850	486363.09	3861877.25	8.75E-01	3.60E-04	1.32E-03	1.90E-03	8.79E-01	9.13E-01	3.67E+00	1.20E-01	6.51E-02	4.77E+00	9.12E-01	4.21E-04	1.32E-03	1.90E-03	9.15E-01
4851	486863.09	3861877.25	9.51E-01	4.27E-04	1.16E-03	1.47E-03	9.54E-01	9.92E-01	4.37E+00	1.06E-01	5.04E-02	5.51E+00	9.90E-01	5.00E-04	1.16E-03	1.47E-03	9.93E-01
4852	487363.09	3861877.25	1.05E+00	4.67E-04	1.07E-03	1.36E-03	1.06E+00	1.10E+00	4.77E+00	9.76E-02	4.64E-02	6.01E+00	1.10E+00	5.46E-04	1.07E-03	1.36E-03	1.10E+00
4853	487863.09	3861877.25	1.17E+00	4.94E-04	1.19E-03	1.41E-03	1.17E+00	1.22E+00	5.05E+00	1.09E-01	4.83E-02	6.42E+00	1.22E+00	5.78E-04	1.19E-03	1.41E-03	1.22E+00
4854	488363.09	3861877.25	1.12E+00	5.65E-04	1.21E-03	1.21E-03	1.12E+00	1.17E+00	5.77E+00	1.10E-01	4.15E-02	7.09E+00	1.17E+00	6.61E-04	1.21E-03	1.21E-03	1.17E+00
4855	488863.09	3861877.25	1.24E+00	6.50E-04	1.13E-03	1.11E-03	1.25E+00	1.30E+00	6.64E+00	1.03E-01	3.81E-02	8.08E+00	1.30E+00	7.61E-04	1.13E-03	1.11E-03	1.30E+00
4856	489363.09	3861877.25	1.32E+00	7.52E-04	1.03E-03	1.18E-03	1.32E+00	1.37E+00	7.68E+00	9.43E-02	4.05E-02	9.19E+00	1.37E+00	8.79E-04	1.03E-03	1.18E-03	1.37E+00
4857	489863.09	3861877.25	1.32E+00	7.89E-04	1.14E-03	1.71E-03	1.32E+00	1.38E+00	8.06E+00	1.04E-01	5.85E-02	9.60E+00	1.38E+00	9.23E-04	1.14E-03	1.71E-03	1.38E+00
4858	490363.09	3861877.25	1.25E+00	7.62E-04	1.28E-03	1.93E-03	1.25E+00	1.30E+00	7.79E+00	1.17E-01	6.60E-02	9.27E+00	1.30E+00	8.92E-04	1.28E-03	1.93E-03	1.31E+00
4859	490863.09	3861877.25	1.26E+00	6.85E-04	1.21E-03	1.64E-03	1.26E+00	1.32E+00	7.00E+00	1.10E-01	5.60E-02	8.48E+00	1.31E+00	8.02E-04	1.21E-03	1.64E-03	1.32E+00
4860	491363.09	3861877.25	1.17E+00	6.13E-04	1.42E-03	1.61E-03	1.17E+00	1.22E+00	6.26E+00	1.29E-01	5.51E-02	7.67E+00	1.22E+00	7.17E-04	1.42E-03	1.61E-03	1.22E+00
4861	491863.09	3861877.25	1.26E+00	5.60E-04	1.58E-03	1.90E-03	1.27E+00	1.32E+00	5.72E+00	1.44E-01	6.50E-02	7.25E+00	1.31E+00	6.55E-04	1.58E-03	1.90E-03	1.32E+00
4862	492363.09	3861877.25	1.23E+00	4.96E-04	2.07E-03	2.28E-03	1.23E+00	1.28E+00	5.07E+00	1.88E-01	7.80E-02	6.62E+00	1.28E+00	5.81E-04	2.07E-03	2.28E-03	1.29E+00
4863	492863.09	3861877.25	9.57E-01	4.59E-04	2.45E-03	2.44E-03	9.63E-01	9.99E-01	4.69E+00	2.24E-01	8.33E-02	5.99E+00	9.97E-01	5.37E-04	2.45E-03	2.44E-03	1.00E+00
4864	493363.09	3861877.25	8.68E-01	4.22E-04	2.43E-03	2.38E-03	8.74E-01	9.06E-01	4.31E+00	2.22E-01	8.15E-02	5.52E+00	9.04E-01	4.94E-04	2.43E-03	2.38E-03	9.10E-01
4865	493863.09	3861877.25	9.39E-01	3.79E-04	2.20E-03	2.48E-03	9.44E-01	9.80E-01	3.87E+00	2.01E-01	8.49E-02	5.14E+00	9.78E-01	4.43E-04	2.20E-03	2.48E-03	9.83E-01
4866	494363.09	3861877.25	8.69E-01	3.37E-04	2.15E-03	2.31E-03	8.74E-01	9.06E-01	3.44E+00	1.96E-01	7.89E-02	4.63E+00	9.05E-01	3.94E-04	2.15E-03	2.31E-03	9.09E-01
4867	494863.09	3861877.25	8.28E-01	3.23E-04	2.05E-03	2.63E-03	8.33E-01	8.64E-01	3.30E+00	1.87E-01	8.99E-02	4.44E+00	8.63E-01	3.78E-04	2.05E-03	2.63E-03	8.68E-01
4868	495363.09	3861877.25	8.04E-01	2.91E-04	2.21E-03	2.75E-03	8.10E-01	8.39E-01	2.98E+00	2.02E-01	9.41E-02	4.11E+00	8.37E-01	3.41E-04	2.21E-03	2.75E-03	8.43E-01
4869	495863.09	3861877.25	8.52E-01	2.67E-04	2.54E-03	2.90E-03	8.58E-01	8.89E-01	2.73E+00	2.32E-01	9.91E-02	3.95E+00	8.87E-01	3.13E-04	2.54E-03	2.90E-03	8.93E-01
4870	496363.09	3861877.25	8.38E-01	2.44E-04	2.86E-03	3.13E-03	8.44E-01	8.74E-01	2.50E+00	2.61E-01	1.07E-01	3.74E+00	8.72E-01	2.86E-04	2.86E-03	3.13E-03	8.79E-01
4871	496863.09	3861877.25	9.07E-01	2.46E-04	2.97E-03	3.39E-03	9.13E-01	9.46E-01	2.52E+00	2.71E-01	1.16E-01	3.85E+00	9.44E-01	2.88E-04	2.97E-03	3.39E-03	9.51E-01
4872	497363.09	3861877.25	8.08E-01	2.29E-04	3.25E-03	3.25E-03	8.15E-01	8.43E-01	2.34E+00	2.97E-01	1.11E-01	3.59E+00	8.41E-01	2.68E-04	3.25E-03	3.25E-03	8.48E-01
4873	497863.09	3861877.25	7.49E-01	2.09E-04	3.71E-03	2.99E-03	7.56E-01	7.81E-01	2.14E+00	3.38E-01	1.02E-01	3.36E+00	7.80E-01	2.45E-04	3.71E-03	2.99E-03	7.87E-01
4874	498363.09	3861877.25	6.66E-01	1.98E-04	4.62E-03	3.01E-03	6.73E-01	6.94E-01	2.02E+00	4.21E-01	1.03E-01	3.24E+00	6.93E-01	2.32E-04	4.62E-03	3.01E-03	7.01E-01
4875	471363.09	3862377.25	4.26E-01	9.24E-05	1.14E-03	1.19E-03	4.28E-01	4.44E-01	9.44E-01	1.04E-01	4.07E-02	1.53E+00	4.44E-01	1.08E-04	1.14E-03	1.19E-03	4.46E-01
4876	471863.09	3862377.25	4.29E-01	9.27E-05	1.20E-03	1.23E-03	4.31E-01	4.47E-01	9.47E-01	1.09E-01	4.22E-02	1.55E+00	4.46E-01	1.08E-04	1.20E-03	1.23E-03	4.49E-01

4877	472363.09	3862377.25	4.37E-01	9.75E-05	1.25E-03	1.26E-03	4.40E-01	4.56E-01	9.96E-01	1.14E-01	4.30E-02	1.61E+00	4.56E-01	1.14E-04	1.25E-03	1.26E-03	4.58E-01
4878	472863.09	3862377.25	4.47E-01	1.00E-04	1.35E-03	1.31E-03	4.50E-01	4.67E-01	1.02E+00	1.23E-01	4.48E-02	1.66E+00	4.66E-01	1.17E-04	1.35E-03	1.31E-03	4.69E-01
4879	473363.09	3862377.25	4.46E-01	1.01E-04	1.29E-03	1.39E-03	4.49E-01	4.65E-01	1.03E+00	1.17E-01	4.77E-02	1.66E+00	4.64E-01	1.18E-04	1.29E-03	1.39E-03	4.67E-01
4880	473863.09	3862377.25	4.54E-01	1.02E-04	1.35E-03	1.52E-03	4.57E-01	4.73E-01	1.04E+00	1.23E-01	5.20E-02	1.69E+00	4.73E-01	1.19E-04	1.35E-03	1.52E-03	4.76E-01
4881	474363.09	3862377.25	4.55E-01	1.04E-04	1.44E-03	1.45E-03	4.58E-01	4.74E-01	1.06E+00	1.32E-01	4.96E-02	1.72E+00	4.73E-01	1.21E-04	1.44E-03	1.45E-03	4.76E-01
4882	474863.09	3862377.25	4.66E-01	9.85E-05	1.59E-03	1.55E-03	4.69E-01	4.86E-01	1.01E+00	1.45E-01	5.30E-02	1.69E+00	4.85E-01	1.15E-04	1.59E-03	1.55E-03	4.88E-01
4883	475363.09	3862377.25	4.57E-01	1.03E-04	2.09E-03	1.68E-03	4.61E-01	4.77E-01	1.05E+00	1.91E-01	5.76E-02	1.77E+00	4.76E-01	1.20E-04	2.09E-03	1.68E-03	4.80E-01
4884	475863.09	3862377.25	4.43E-01	1.12E-04	2.29E-03	1.77E-03	4.47E-01	4.62E-01	1.14E+00	2.09E-01	6.06E-02	1.87E+00	4.61E-01	1.31E-04	2.29E-03	1.77E-03	4.66E-01
4885	476363.09	3862377.25	4.39E-01	1.17E-04	2.07E-03	1.75E-03	4.43E-01	4.58E-01	1.20E+00	1.89E-01	5.99E-02	1.90E+00	4.57E-01	1.37E-04	2.07E-03	1.75E-03	4.61E-01
4886	476863.09	3862377.25	4.30E-01	1.19E-04	1.83E-03	1.84E-03	4.34E-01	4.49E-01	1.21E+00	1.67E-01	6.30E-02	1.89E+00	4.48E-01	1.39E-04	1.83E-03	1.84E-03	4.52E-01
4887	477363.09	3862377.25	4.40E-01	1.11E-04	1.88E-03	1.87E-03	4.44E-01	4.60E-01	1.14E+00	1.72E-01	6.39E-02	1.83E+00	4.59E-01	1.30E-04	1.88E-03	1.87E-03	4.63E-01
4888	477863.09	3862377.25	4.44E-01	6.54E-05	1.84E-03	1.85E-03	4.48E-01	4.63E-01	6.68E-01	1.68E-01	6.34E-02	1.36E+00	4.62E-01	7.65E-05	1.84E-03	1.85E-03	4.66E-01
4889	478363.09	3862377.25	3.73E-01	3.89E-05	1.83E-03	1.98E-03	3.77E-01	3.89E-01	3.98E-01	1.67E-01	6.78E-02	1.02E+00	3.88E-01	4.56E-05	1.83E-03	1.98E-03	3.92E-01
4890	478863.09	3862377.25	4.03E-01	4.00E-05	1.66E-03	2.10E-03	4.06E-01	4.20E-01	4.08E-01	1.51E-01	7.18E-02	1.05E+00	4.19E-01	4.67E-05	1.66E-03	2.10E-03	4.23E-01
4891	479363.09	3862377.25	4.61E-01	5.13E-05	1.41E-03	2.12E-03	4.64E-01	4.81E-01	5.24E-01	1.29E-01	7.23E-02	1.21E+00	4.80E-01	6.00E-05	1.41E-03	2.12E-03	4.83E-01
4892	479863.09	3862377.25	5.27E-01	1.26E-04	1.54E-03	2.20E-03	5.31E-01	5.50E-01	1.29E+00	1.40E-01	7.51E-02	2.05E+00	5.49E-01	1.47E-04	1.54E-03	2.20E-03	5.53E-01
4893	480363.09	3862377.25	5.42E-01	1.61E-04	1.52E-03	2.04E-03	5.46E-01	5.66E-01	1.65E+00	1.39E-01	6.98E-02	2.42E+00	5.65E-01	1.88E-04	1.52E-03	2.04E-03	5.68E-01
4894	480863.09	3862377.25	5.56E-01	1.71E-04	1.35E-03	2.07E-03	5.59E-01	5.80E-01	1.74E+00	1.23E-01	7.07E-02	2.52E+00	5.79E-01	2.00E-04	1.35E-03	2.07E-03	5.82E-01
4895	481363.09	3862377.25	5.86E-01	1.76E-04	1.34E-03	1.99E-03	5.90E-01	6.12E-01	1.80E+00	1.23E-01	6.80E-02	2.60E+00	6.10E-01	2.06E-04	1.34E-03	1.99E-03	6.14E-01
4896	481863.09	3862377.25	6.19E-01	1.85E-04	1.25E-03	1.90E-03	6.22E-01	6.45E-01	1.89E+00	1.14E-01	6.49E-02	2.72E+00	6.44E-01	2.17E-04	1.25E-03	1.90E-03	6.48E-01
4897	482363.09	3862377.25	6.38E-01	1.91E-04	1.28E-03	1.78E-03	6.41E-01	6.66E-01	1.95E+00	1.16E-01	6.08E-02	2.80E+00	6.65E-01	2.24E-04	1.28E-03	1.78E-03	6.68E-01
4898	482863.09	3862377.25	6.50E-01	2.00E-04	1.23E-03	1.93E-03	6.53E-01	6.78E-01	2.05E+00	1.13E-01	6.61E-02	2.90E+00	6.77E-01	2.34E-04	1.23E-03	1.93E-03	6.80E-01
4899	483363.09	3862377.25	6.76E-01	2.08E-04	1.37E-03	1.94E-03	6.80E-01	7.06E-01	2.13E+00	1.25E-01	6.65E-02	3.02E+00	7.04E-01	2.43E-04	1.37E-03	1.94E-03	7.08E-01
4900	483863.09	3862377.25	7.45E-01	2.17E-04	1.15E-03	2.21E-03	7.49E-01	7.78E-01	2.22E+00	1.05E-01	7.57E-02	3.18E+00	7.76E-01	2.54E-04	1.15E-03	2.21E-03	7.80E-01
4901	484363.09	3862377.25	7.62E-01	2.22E-04	1.12E-03	2.09E-03	7.66E-01	7.95E-01	2.26E+00	1.02E-01	7.13E-02	3.23E+00	7.94E-01	2.59E-04	1.12E-03	2.09E-03	7.97E-01
4902	484863.09	3862377.25	7.59E-01	2.47E-04	1.20E-03	1.69E-03	7.62E-01	7.92E-01	2.53E+00	1.09E-01	5.76E-02	3.48E+00	7.90E-01	2.89E-04	1.20E-03	1.69E-03	7.93E-01
4903	485363.09	3862377.25	7.58E-01	2.55E-04	1.59E-03	1.47E-03	7.62E-01	7.91E-01	2.61E+00	1.45E-01	5.02E-02	3.59E+00	7.90E-01	2.99E-04	1.59E-03	1.47E-03	7.93E-01
4904	485863.09	3862377.25	7.79E-01	2.92E-04	1.19E-03	1.36E-03	7.81E-01	8.12E-01	2.98E+00	1.09E-01	4.64E-02	3.95E+00	8.11E-01	3.41E-04	1.19E-03	1.36E-03	8.14E-01
4905	486363.09	3862377.25	8.04E-01	3.17E-04	1.18E-03	1.18E-03	8.07E-01	8.39E-01	3.23E+00	1.08E-01	4.03E-02	4.22E+00	8.37E-01	3.70E-04	1.18E-03	1.18E-03	8.40E-01
4906	486863.09	3862377.25	8.74E-01	3.72E-04	1.04E-03	1.25E-03	8.77E-01	9.12E-01	3.80E+00	9.49E-02	4.26E-02	4.85E+00	9.10E-01	4.35E-04	1.04E-03	1.25E-03	9.13E-01
4907	487363.09	3862377.25	9.47E-01	4.11E-04	9.51E-04	1.12E-03	9.50E-01	9.88E-01	4.20E+00	8.67E-02	3.82E-02	5.31E+00	9.86E-01	4.81E-04	9.51E-04	1.12E-03	9.89E-01
4908	487863.09	3862377.25	1.06E+00	4.03E-04	1.08E-03	1.09E-03	1.06E+00	1.10E+00	4.12E+00	9.82E-02	3.74E-02	5.35E+00	1.10E+00	4.71E-04	1.08E-03	1.09E-03	1.10E+00
4909	488363.09	3862377.25	1.04E+00	4.34E-04	1.08E-03	9.85E-04	1.04E+00	1.09E+00	4.44E+00	9.83E-02	3.37E-02	5.66E+00	1.09E+00	5.08E-04	1.08E-03	9.85E-04	1.09E+00
4910	488863.09	3862377.25	1.07E+00	4.96E-04	1.05E-03	9.01E-04	1.07E+00	1.12E+00	5.07E+00	9.58E-02	3.08E-02	6.31E+00	1.11E+00	5.80E-04	1.05E-03	9.01E-04	1.12E+00
4911	489363.09	3862377.25	1.15E+00	5.73E-04	9.51E-04	9.30E-04	1.15E+00	1.20E+00	5.85E+00	8.67E-02	3.18E-02	7.17E+00	1.19E+00	6.70E-04	9.51E-04	9.30E-04	1.20E+00
4912	489863.09	3862377.25	1.19E+00	6.38E-04	9.66E-04	1.06E-03	1.19E+00	1.24E+00	6.52E+00	8.81E-02	3.62E-02	7.89E+00	1.24E+00	7.46E-04	9.66E-04	1.06E-03	1.24E+00
4913	490363.09	3862377.25	1.10E+00	6.68E-04	1.16E-03	1.41E-03	1.10E+00	1.15E+00	6.82E+00	1.06E-01	4.83E-02	8.13E+00	1.15E+00	7.82E-04	1.16E-03	1.41E-03	1.15E+00
4914	490863.09	3862377.25	1.15E+00	6.68E-04	1.01E-03	1.51E-03	1.15E+00	1.19E+00	6.82E+00	9.18E-02	5.16E-02	8.16E+00	1.19E+00	7.81E-04	1.01E-03	1.51E-03	1.20E+00
4915	491363.09	3862377.25	1.11E+00	6.11E-04	1.07E-03	1.32E-03	1.11E+00	1.16E+00	6.24E+00	9.80E-02	4.53E-02	7.54E+00	1.15E+00	7.15E-04	1.07E-03	1.32E-03	1.16E+00
4916	491863.09	3862377.25	1.04E+00	5.28E-04	1.27E-03	1.34E-03	1.05E+00	1.09E+00	5.40E+00	1.16E-01	4.59E-02	6.65E+00	1.09E+00	6.18E-04	1.27E-03	1.34E-03	1.09E+00
4917	492363.09	3862377.25	1.14E+00	4.83E-04	1.31E-03	1.19E-03	1.14E+00	1.19E+00	4.93E+00	1.19E-01	4.06E-02	6.28E+00	1.18E+00	5.65E-04	1.31E-03	1.19E-03	1.19E+00
4918	492863.09	3862377.25	1.08E+00	4.61E-04	1.63E-03	1.56E-03	1.09E+00	1.13E+00	4.71E+00	1.49E-01	5.33E-02	6.04E+00	1.13E+00	5.39E-04	1.63E-03	1.56E-03	1.13E+00
4919	493363.09	3862377.25	8.91E-01	4.12E-04	2.11E-03	1.70E-03	8.95E-01	9.30E-01	4.21E+00	1.93E-01	5.83E-02	5.39E+00	9.28E-01	4.82E-04	2.11E-03	1.70E-03	9.32E-01
4920	493863.09	3862377.25	8.39E-01	3.89E-04	2.20E-03	1.99E-03	8.43E-01	8.75E-01	3.98E+00	2.01E-01	6.80E-02	5.12E+00	8.74E-01	4.55E-04	2.20E-03	1.99E-03	8.78E-01
4921	494363.09	3862377.25	7.78E-01	3.71E-04	2.05E-03	1.92E-03	7.82E-01	8.11E-01	3.79E+00	1.87E-01	6.58E-02	4.85E+00	8.10E-01	4.33E-04	2.05E-03	1.92E-03	8.14E-01
4922	494863.09	3862377.25	8.18E-01	3.32E-04	1.78E-03	2.04E-03	8.23E-01	8.54E-01	3.39E+00	1.63E-01	6.98E-02	4.48E+00	8.52E-01	3.89E-04	1.78E-03	2.04E-03	8.56E-01
4923	495363.09	3862377.25	7.30E-01	2.96E-04	1.74E-03	1.99E-03	7.34E-01	7.62E-01	3.02E+00	1.59E-01	6.82E-02	4.01E+00	7.61E-01	3.46E-04	1.74E-03	1.99E-03	7.65E-01
4924	495863.09	3862377.25	7.09E-01	2.83E-04	1.69E-03	2.16E-03	7.14E-01	7.40E-01	2.89E+00	1.54E-01	7.38E-02	3.86E+00	7.39E-01	3.31E-04	1.69E-03	2.16E-03	7.43E-01
4925	496363.09	3862377.25	7.24E-01	2.63E-04	1.90E-03	2.19E-03	7.28E-01	7.55E-01	2.68E+00	1.73E-01	7.49E-02	3.69E+00	7.54E-01	3.07E-04	1.90E-03	2.19E-03	7.58E-01
4926	496863.09	3862377.25	7.66E-01	2.47E-04	2.11E-03	2.13E-03	7.70E-01	7.99E-01	2.53E+00	1.92E-01	7.28E-02	3.59E+00	7.98E-01	2.89E-04	2.11E-03	2.13E-03	8.02E-01
4927	497363.09	3862377.25	7.44E-01	2.27E-04	2.34E-03	2.19E-03	7.49E-01	7.77E-01	2.32E+00	2.14E-01	7.50E-02	3.38E+00	7.75E-01	2.65E-04	2.34E-03	2.19E-03	7.80E-01
4928	497863.09	3862377.25	7.29E-01	2.08E-04	2.34E-03	2.40E-03	7.34E-01	7.61E-01	2.13E+00	2.13E-01	8.20E-02	3.19E+00	7.59E-01	2.44E-04	2.34E-03	2.40E-03	7.64E-01
4929	498363.09	3862377.25	6.83E-01	2.00E-04	2.65E-03	2.55E-03	6.88E-01	7.12E-01	2.04E+00	2.42E-01	8.74E-02	3.09E+00	7.11E-01	2.34E-04	2.65E-03	2.55E-03	7.17E-01
4930	471363.09	3862877.25	4.07E-01	8.97E-05	1.12E-03	1.17E-03	4.09E-01	4.25E-01	9.17E-01	1.02E-01	4.01E-02	1.48E+00	4.24E-01	1.05E-04	1.12E-03	1.17E-03	4.26E-01
4931	471863.09	3862877.25	4.19E-01	9.29E-05	1.15E-03	1.24E-03	4.22E-01	4.37E-01	9.50E-01	1.05E-01	4.25E-02	1.53E+00	4.37E-01	1.09E-04	1.15E-03	1.24E-03	4.39E-01
4932	472363.09	3862877.25	4.12E-01	9.61E-05	1.20E-03	1.33E-03	4.15E-01	4.30E-01	9.82E-01	1.10E-01	4.55E-02	1.57E+00	4.29E-01	1.12E-04	1.20E-03	1.33E-03	4.32E-01
4933	472863.09	3862877.25	4.22E-01	9.59E-05	1.28E-03	1.45E-03	4.25E-01	4.40E-01	9.80E-01	1.17E-01	4.97E-02	1.59E+00	4.39E-01	1.12E-04	1.28E-03	1.45E-03	4.42E-01
4934	473363.09	3862877.25	4.27E-01	9.67E-05	1.39E-03	1.50E-03	4.30E-01	4.46E-01	9.88E-01	1.27E-01	5.13E-02	1.61E+00	4.45E-01	1.13E-04	1.39E-03	1.50E-03	4.48E-01
4935	473863.09	3862877.25	4.33E-01	9.87E-05	1.80E-03	1.63E-03	4.37E-01	4.52E-01	1.01E+00	1.64E-01	5.57E-02	1.68E+00	4.51E-01	1.16E-04	1.80E-03	1.63E-03	4.54E-01
4936	474363.09	3862877.25	4.22E-01	9.76E-05	2.01E-03	1.61E-03	4.26E-01	4.41E-01	9.97E-01	1.83E-01	5.51E-02	1.68E+00	4.40E-01	1.14E-04	2.01E-03	1.61E-03	4.43E-01
4937	474863.09	3862877.25	4.05E-01	1.05E-04	1.92E-03	1.75E-03	4.09E-01	4.23E-01	1.07E+00	1.75E-01	5.99E-02	1.73E+00	4.22E-01	1.22E-04	1.92E-03	1.75E-03	4.26E-01

4938	475363.09	3862877.25	4.00E-01	1.14E-04	1.60E-03	1.79E-03	4.04E-01	4.18E-01	1.17E+00	1.46E-01	6.11E-02	1.79E+00	4.17E-01	1.34E-04	1.60E-03	1.79E-03	4.21E-01
4939	475863.09	3862877.25	3.96E-01	1.19E-04	1.58E-03	1.81E-03	4.00E-01	4.13E-01	1.22E+00	1.44E-01	6.19E-02	1.83E+00	4.12E-01	1.39E-04	1.58E-03	1.81E-03	4.16E-01
4940	476363.09	3862877.25	3.92E-01	1.18E-04	1.74E-03	1.69E-03	3.95E-01	4.09E-01	1.21E+00	1.59E-01	5.76E-02	1.83E+00	4.08E-01	1.38E-04	1.74E-03	1.69E-03	4.12E-01
4941	476863.09	3862877.25	4.17E-01	1.18E-04	1.68E-03	1.79E-03	4.21E-01	4.35E-01	1.21E+00	1.53E-01	6.11E-02	1.86E+00	4.35E-01	1.39E-04	1.68E-03	1.79E-03	4.38E-01
4942	477363.09	3862877.25	4.31E-01	1.21E-04	1.47E-03	1.86E-03	4.34E-01	4.50E-01	1.24E+00	1.34E-01	6.38E-02	1.88E+00	4.49E-01	1.42E-04	1.47E-03	1.86E-03	4.52E-01
4943	477863.09	3862877.25	4.47E-01	9.91E-05	1.44E-03	1.96E-03	4.51E-01	4.66E-01	1.01E+00	1.32E-01	6.70E-02	1.68E+00	4.66E-01	1.16E-04	1.44E-03	1.96E-03	4.69E-01
4944	478363.09	3862877.25	4.30E-01	5.52E-05	1.27E-03	1.94E-03	4.33E-01	4.49E-01	5.64E-01	1.16E-01	6.65E-02	1.19E+00	4.48E-01	6.45E-05	1.27E-03	1.94E-03	4.51E-01
4945	478863.09	3862877.25	4.49E-01	5.39E-05	1.31E-03	1.93E-03	4.53E-01	4.69E-01	5.50E-01	1.20E-01	6.61E-02	1.20E+00	4.68E-01	6.30E-05	1.31E-03	1.93E-03	4.71E-01
4946	479363.09	3862877.25	4.60E-01	5.97E-05	1.32E-03	1.87E-03	4.64E-01	4.80E-01	6.10E-01	1.20E-01	6.39E-02	1.27E+00	4.80E-01	6.99E-05	1.32E-03	1.87E-03	4.83E-01
4947	479863.09	3862877.25	4.98E-01	1.45E-04	1.19E-03	1.91E-03	5.02E-01	5.20E-01	1.48E+00	1.09E-01	6.54E-02	2.17E+00	5.19E-01	1.69E-04	1.19E-03	1.91E-03	5.22E-01
4948	480363.09	3862877.25	5.10E-01	1.55E-04	1.16E-03	1.76E-03	5.13E-01	5.32E-01	1.59E+00	1.06E-01	6.02E-02	2.29E+00	5.31E-01	1.82E-04	1.16E-03	1.76E-03	5.34E-01
4949	480863.09	3862877.25	5.29E-01	1.63E-04	1.12E-03	1.79E-03	5.32E-01	5.52E-01	1.66E+00	1.02E-01	6.14E-02	2.38E+00	5.51E-01	1.91E-04	1.12E-03	1.79E-03	5.54E-01
4950	481363.09	3862877.25	5.55E-01	1.67E-04	1.17E-03	1.65E-03	5.58E-01	5.80E-01	1.70E+00	1.07E-01	5.65E-02	2.44E+00	5.78E-01	1.95E-04	1.17E-03	1.65E-03	5.81E-01
4951	481863.09	3862877.25	5.99E-01	1.71E-04	1.09E-03	1.76E-03	6.02E-01	6.25E-01	1.74E+00	9.90E-02	6.03E-02	2.53E+00	6.23E-01	2.00E-04	1.09E-03	1.76E-03	6.26E-01
4952	482363.09	3862877.25	5.94E-01	1.77E-04	1.05E-03	1.49E-03	5.96E-01	6.19E-01	1.81E+00	9.61E-02	5.10E-02	2.57E+00	6.18E-01	2.07E-04	1.05E-03	1.49E-03	6.21E-01
4953	482863.09	3862877.25	6.17E-01	1.82E-04	1.20E-03	1.65E-03	6.20E-01	6.44E-01	1.86E+00	1.10E-01	5.64E-02	2.67E+00	6.43E-01	2.13E-04	1.20E-03	1.65E-03	6.46E-01
4954	483363.09	3862877.25	6.51E-01	1.89E-04	1.02E-03	1.98E-03	6.54E-01	6.79E-01	1.93E+00	9.30E-02	6.79E-02	2.77E+00	6.78E-01	2.21E-04	1.02E-03	1.98E-03	6.81E-01
4955	483863.09	3862877.25	6.87E-01	1.88E-04	9.82E-04	1.76E-03	6.90E-01	7.17E-01	1.92E+00	8.95E-02	6.00E-02	2.79E+00	7.16E-01	2.20E-04	9.82E-04	1.76E-03	7.19E-01
4956	484363.09	3862877.25	7.14E-01	2.05E-04	1.14E-03	1.56E-03	7.17E-01	7.45E-01	2.09E+00	1.04E-01	5.35E-02	3.00E+00	7.44E-01	2.40E-04	1.14E-03	1.56E-03	7.47E-01
4957	484863.09	3862877.25	7.02E-01	2.21E-04	1.27E-03	1.38E-03	7.05E-01	7.32E-01	2.26E+00	1.16E-01	4.70E-02	3.15E+00	7.31E-01	2.58E-04	1.27E-03	1.38E-03	7.34E-01
4958	485363.09	3862877.25	6.97E-01	2.42E-04	1.31E-03	1.11E-03	7.00E-01	7.27E-01	2.48E+00	1.20E-01	3.80E-02	3.36E+00	7.26E-01	2.83E-04	1.31E-03	1.11E-03	7.29E-01
4959	485863.09	3862877.25	7.27E-01	2.62E-04	1.10E-03	1.00E-03	7.29E-01	7.59E-01	2.68E+00	1.00E-01	3.43E-02	3.57E+00	7.57E-01	3.06E-04	1.10E-03	1.00E-03	7.60E-01
4960	486363.09	3862877.25	7.45E-01	3.06E-04	9.65E-04	1.14E-03	7.48E-01	7.78E-01	3.13E+00	8.80E-02	3.91E-02	4.03E+00	7.76E-01	3.58E-04	9.65E-04	1.14E-03	7.79E-01
4961	486863.09	3862877.25	7.98E-01	3.25E-04	8.86E-04	8.86E-04	8.00E-01	8.32E-01	3.32E+00	8.08E-02	3.03E-02	4.26E+00	8.31E-01	3.80E-04	8.86E-04	8.86E-04	8.33E-01
4962	487363.09	3862877.25	8.58E-01	3.48E-04	9.10E-04	8.69E-04	8.60E-01	8.95E-01	3.55E+00	8.30E-02	2.97E-02	4.56E+00	8.93E-01	4.07E-04	9.10E-04	8.69E-04	8.95E-01
4963	487863.09	3862877.25	9.39E-01	3.42E-04	9.81E-04	8.54E-04	9.41E-01	9.80E-01	3.50E+00	8.95E-02	2.92E-02	4.60E+00	9.78E-01	4.00E-04	9.81E-04	8.54E-04	9.80E-01
4964	488363.09	3862877.25	9.95E-01	3.64E-04	9.78E-04	7.93E-04	9.97E-01	1.04E+00	3.72E+00	8.92E-02	2.71E-02	4.88E+00	1.04E+00	4.26E-04	9.78E-04	7.93E-04	1.04E+00
4965	488863.09	3862877.25	9.60E-01	4.17E-04	9.47E-04	7.64E-04	9.62E-01	1.00E+00	4.26E+00	8.63E-02	2.61E-02	5.38E+00	9.99E-01	4.88E-04	9.47E-04	7.64E-04	1.00E+00
4966	489363.09	3862877.25	1.01E+00	4.56E-04	8.88E-04	7.86E-04	1.01E+00	1.05E+00	4.66E+00	8.10E-02	2.69E-02	5.82E+00	1.05E+00	5.34E-04	8.88E-04	7.86E-04	1.05E+00
4967	489863.09	3862877.25	1.06E+00	5.16E-04	8.25E-04	6.99E-04	1.06E+00	1.10E+00	5.27E+00	7.53E-02	2.39E-02	6.47E+00	1.10E+00	6.04E-04	8.25E-04	6.99E-04	1.10E+00
4968	490363.09	3862877.25	1.10E+00	5.61E-04	9.01E-04	9.27E-04	1.10E+00	1.14E+00	5.73E+00	8.22E-02	3.17E-02	6.99E+00	1.14E+00	6.56E-04	9.01E-04	9.27E-04	1.14E+00
4969	490863.09	3862877.25	1.00E+00	5.68E-04	1.01E-03	1.18E-03	1.00E+00	1.04E+00	5.80E+00	9.24E-02	4.03E-02	6.98E+00	1.04E+00	6.64E-04	1.01E-03	1.18E-03	1.04E+00
4970	491363.09	3862877.25	1.03E+00	5.79E-04	9.26E-04	1.20E-03	1.04E+00	1.08E+00	5.92E+00	8.45E-02	4.11E-02	7.12E+00	1.08E+00	6.77E-04	9.26E-04	1.20E-03	1.08E+00
4971	491863.09	3862877.25	1.01E+00	5.19E-04	9.79E-04	1.07E-03	1.01E+00	1.05E+00	5.30E+00	8.93E-02	3.64E-02	6.48E+00	1.05E+00	6.07E-04	9.79E-04	1.07E-03	1.05E+00
4972	492363.09	3862877.25	9.37E-01	4.71E-04	1.19E-03	1.14E-03	9.40E-01	9.78E-01	4.81E+00	1.08E-01	3.91E-02	5.93E+00	9.76E-01	5.50E-04	1.19E-03	1.14E-03	9.79E-01
4973	492863.09	3862877.25	1.02E+00	4.40E-04	1.13E-03	1.04E-03	1.02E+00	1.07E+00	4.49E+00	1.03E-01	3.56E-02	5.70E+00	1.06E+00	5.14E-04	1.13E-03	1.04E-03	1.07E+00
4974	493363.09	3862877.25	9.82E-01	4.05E-04	1.53E-03	1.04E-03	9.85E-01	1.02E+00	4.14E+00	1.39E-01	3.55E-02	5.34E+00	1.02E+00	4.74E-04	1.53E-03	1.04E-03	1.03E+00
4975	493863.09	3862877.25	8.52E-01	4.04E-04	1.79E-03	1.24E-03	8.56E-01	8.89E-01	4.13E+00	1.64E-01	4.23E-02	5.22E+00	8.87E-01	4.72E-04	1.79E-03	1.24E-03	8.91E-01
4976	494363.09	3862877.25	7.77E-01	3.74E-04	1.93E-03	1.33E-03	7.81E-01	8.11E-01	3.82E+00	1.76E-01	4.53E-02	4.86E+00	8.09E-01	4.38E-04	1.93E-03	1.33E-03	8.13E-01
4977	494863.09	3862877.25	6.81E-01	3.45E-04	1.66E-03	1.64E-03	6.85E-01	7.10E-01	3.53E+00	1.52E-01	5.60E-02	4.45E+00	7.09E-01	4.04E-04	1.66E-03	1.64E-03	7.13E-01
4978	495363.09	3862877.25	7.39E-01	3.27E-04	1.58E-03	1.54E-03	7.42E-01	7.71E-01	3.34E+00	1.44E-01	5.28E-02	4.31E+00	7.69E-01	3.83E-04	1.58E-03	1.54E-03	7.73E-01
4979	495863.09	3862877.25	6.80E-01	2.93E-04	1.56E-03	1.70E-03	6.83E-01	7.09E-01	2.99E+00	1.42E-01	5.81E-02	3.90E+00	7.08E-01	3.43E-04	1.56E-03	1.70E-03	7.12E-01
4980	496363.09	3862877.25	6.71E-01	2.67E-04	1.52E-03	1.72E-03	6.74E-01	7.00E-01	2.72E+00	1.39E-01	5.88E-02	3.62E+00	6.98E-01	3.12E-04	1.52E-03	1.72E-03	7.02E-01
4981	496863.09	3862877.25	6.16E-01	2.55E-04	1.47E-03	1.78E-03	6.20E-01	6.43E-01	2.61E+00	1.34E-01	6.08E-02	3.44E+00	6.42E-01	2.98E-04	1.47E-03	1.78E-03	6.45E-01
4982	497363.09	3862877.25	6.52E-01	2.33E-04	1.66E-03	1.86E-03	6.56E-01	6.80E-01	2.38E+00	1.51E-01	6.34E-02	3.27E+00	6.79E-01	2.72E-04	1.66E-03	1.86E-03	6.83E-01
4983	497863.09	3862877.25	6.65E-01	2.23E-04	1.85E-03	1.67E-03	6.68E-01	6.93E-01	2.28E+00	1.68E-01	5.70E-02	3.20E+00	6.92E-01	2.61E-04	1.85E-03	1.67E-03	6.96E-01
4984	498363.09	3862877.25	6.67E-01	2.11E-04	1.96E-03	1.74E-03	6.71E-01	6.96E-01	2.16E+00	1.79E-01	5.95E-02	3.09E+00	6.94E-01	2.47E-04	1.96E-03	1.74E-03	6.98E-01
4985	471363.09	3863377.25	3.90E-01	9.12E-05	1.14E-03	1.32E-03	3.92E-01	4.07E-01	9.32E-01	1.04E-01	4.50E-02	1.49E+00	4.06E-01	1.07E-04	1.14E-03	1.32E-03	4.09E-01
4986	471863.09	3863377.25	3.95E-01	8.91E-05	1.22E-03	1.45E-03	3.98E-01	4.12E-01	9.10E-01	1.11E-01	4.97E-02	1.48E+00	4.11E-01	1.04E-04	1.22E-03	1.45E-03	4.14E-01
4987	472363.09	3863377.25	4.01E-01	9.21E-05	1.56E-03	1.45E-03	4.05E-01	4.19E-01	9.41E-01	1.42E-01	4.97E-02	1.55E+00	4.18E-01	1.08E-04	1.56E-03	1.45E-03	4.21E-01
4988	472863.09	3863377.25	4.05E-01	9.55E-05	1.79E-03	1.54E-03	4.09E-01	4.23E-01	9.75E-01	1.63E-01	5.27E-02	1.61E+00	4.22E-01	1.12E-04	1.79E-03	1.54E-03	4.26E-01
4989	473363.09	3863377.25	3.95E-01	9.82E-05	1.79E-03	1.55E-03	3.99E-01	4.13E-01	1.00E+00	1.63E-01	5.31E-02	1.63E+00	4.12E-01	1.15E-04	1.79E-03	1.55E-03	4.15E-01
4990	473863.09	3863377.25	3.74E-01	1.00E-04	1.50E-03	1.70E-03	3.78E-01	3.91E-01	1.02E+00	1.37E-01	5.83E-02	1.61E+00	3.90E-01	1.17E-04	1.50E-03	1.70E-03	3.93E-01
4991	474363.09	3863377.25	3.65E-01	1.05E-04	1.39E-03	1.80E-03	3.69E-01	3.81E-01	1.07E+00	1.27E-01	6.17E-02	1.64E+00	3.80E-01	1.22E-04	1.39E-03	1.80E-03	3.84E-01
4992	474863.09	3863377.25	3.71E-01	1.11E-04	1.52E-03	1.74E-03	3.74E-01	3.87E-01	1.14E+00	1.38E-01	5.95E-02	1.72E+00	3.86E-01	1.30E-04	1.52E-03	1.74E-03	3.89E-01
4993	475363.09	3863377.25	3.60E-01	1.14E-04	1.47E-03	1.69E-03	3.63E-01	3.75E-01	1.16E+00	1.34E-01	5.79E-02	1.73E+00	3.75E-01	1.33E-04	1.47E-03	1.69E-03	3.78E-01
4994	475863.09	3863377.25	3.71E-01	1.16E-04	1.48E-03	1.55E-03	3.75E-01	3.88E-01	1.19E+00	1.35E-01	5.30E-02	1.76E+00	3.87E-01	1.36E-04	1.48E-03	1.55E-03	3.90E-01
4995	476363.09	3863377.25	3.84E-01	1.17E-04	1.30E-03	1.75E-03	3.87E-01	4.01E-01	1.20E+00	1.19E-01	5.98E-02	1.78E+00	4.00E-01	1.37E-04	1.30E-03	1.75E-03	4.03E-01
4996	476863.09	3863377.25	4.05E-01	1.23E-04	1.29E-03	1.79E-03	4.08E-01	4.22E-01	1.26E+00	1.18E-01	6.14E-02	1.86E+00	4.21E-01	1.44E-04	1.29E-03	1.79E-03	4.25E-01
4997	477363.09	3863377.25	4.19E-01	1.27E-04	1.19E-03	1.66E-03	4.22E-01	4.37E-01	1.30E+00	1.09E-01	5.69E-02	1.90E+00	4.37E-01	1.49E-04	1.19E-03	1.66E-03	4.40E-01
4998	477863.09	3863377.25	4.28E-01	1.20E-04	1.21E-03	1.66E-03	4.31E-01	4.47E-01	1.22E+00	1.10E-01	5.66E-02	1.84E+00	4.46E-01	1.40E-04	1.21E-03	1.66E-03	4.49E-01

4999	478363.09	3863377.25	4.55E-01	9.08E-05	1.20E-03	1.71E-03	4.58E-01	4.74E-01	9.27E-01	1.09E-01	5.86E-02	1.57E+00	4.73E-01	1.06E-04	1.20E-03	1.71E-03	4.76E-01
5000	478863.09	3863377.25	4.60E-01	9.98E-05	1.06E-03	1.64E-03	4.63E-01	4.80E-01	1.02E+00	9.62E-02	5.61E-02	1.65E+00	4.79E-01	1.17E-04	1.06E-03	1.64E-03	4.82E-01
5001	479363.09	3863377.25	4.69E-01	1.27E-04	1.03E-03	1.71E-03	4.72E-01	4.89E-01	1.30E+00	9.41E-02	5.85E-02	1.94E+00	4.88E-01	1.49E-04	1.03E-03	1.71E-03	4.91E-01
5002	479863.09	3863377.25	4.75E-01	1.45E-04	1.05E-03	1.65E-03	4.78E-01	4.96E-01	1.48E+00	9.61E-02	5.66E-02	2.13E+00	4.95E-01	1.69E-04	1.05E-03	1.65E-03	4.97E-01
5003	480363.09	3863377.25	4.76E-01	1.50E-04	9.07E-04	1.56E-03	4.78E-01	4.96E-01	1.53E+00	8.27E-02	5.32E-02	2.16E+00	4.95E-01	1.75E-04	9.07E-04	1.56E-03	4.98E-01
5004	480863.09	3863377.25	5.10E-01	1.51E-04	1.02E-03	1.54E-03	5.13E-01	5.33E-01	1.54E+00	9.34E-02	5.27E-02	2.22E+00	5.31E-01	1.77E-04	1.02E-03	1.54E-03	5.34E-01
5005	481363.09	3863377.25	5.40E-01	1.54E-04	9.47E-04	1.57E-03	5.42E-01	5.63E-01	1.57E+00	8.64E-02	5.36E-02	2.28E+00	5.62E-01	1.80E-04	9.47E-04	1.57E-03	5.65E-01
5006	481863.09	3863377.25	5.51E-01	1.57E-04	1.04E-03	1.38E-03	5.54E-01	5.75E-01	1.60E+00	9.48E-02	4.71E-02	2.32E+00	5.74E-01	1.83E-04	1.04E-03	1.38E-03	5.76E-01
5007	482363.09	3863377.25	5.70E-01	1.61E-04	1.06E-03	1.47E-03	5.73E-01	5.95E-01	1.64E+00	9.71E-02	5.03E-02	2.38E+00	5.94E-01	1.88E-04	1.06E-03	1.47E-03	5.97E-01
5008	482863.09	3863377.25	5.79E-01	1.64E-04	8.92E-04	1.57E-03	5.82E-01	6.04E-01	1.68E+00	8.14E-02	5.37E-02	2.42E+00	6.03E-01	1.92E-04	8.92E-04	1.57E-03	6.05E-01
5009	483363.09	3863377.25	6.17E-01	1.67E-04	8.86E-04	1.33E-03	6.19E-01	6.44E-01	1.71E+00	8.08E-02	4.54E-02	2.48E+00	6.42E-01	1.96E-04	8.86E-04	1.33E-03	6.45E-01
5010	483863.09	3863377.25	6.53E-01	1.81E-04	1.05E-03	1.40E-03	6.56E-01	6.82E-01	1.85E+00	9.54E-02	4.79E-02	2.68E+00	6.80E-01	2.12E-04	1.05E-03	1.40E-03	6.83E-01
5011	484363.09	3863377.25	6.68E-01	1.92E-04	1.01E-03	1.26E-03	6.71E-01	6.97E-01	1.96E+00	9.25E-02	4.31E-02	2.80E+00	6.96E-01	2.25E-04	1.01E-03	1.26E-03	6.99E-01
5012	484863.09	3863377.25	6.51E-01	2.17E-04	1.28E-03	1.25E-03	6.54E-01	6.79E-01	2.22E+00	1.17E-01	4.29E-02	3.06E+00	6.78E-01	2.54E-04	1.28E-03	1.25E-03	6.81E-01
5013	485363.09	3863377.25	6.48E-01	2.20E-04	9.22E-04	9.11E-04	6.51E-01	6.77E-01	2.24E+00	8.41E-02	3.12E-02	3.04E+00	6.75E-01	2.57E-04	9.22E-04	9.11E-04	6.77E-01
5014	485863.09	3863377.25	6.50E-01	2.41E-04	9.50E-04	9.52E-04	6.52E-01	6.78E-01	2.47E+00	8.67E-02	3.26E-02	3.26E+00	6.77E-01	2.82E-04	9.50E-04	9.52E-04	6.79E-01
5015	486363.09	3863377.25	6.93E-01	2.74E-04	8.60E-04	9.13E-04	6.95E-01	7.23E-01	2.80E+00	7.84E-02	3.12E-02	3.64E+00	7.21E-01	3.21E-04	8.60E-04	9.13E-04	7.23E-01
5016	486863.09	3863377.25	7.42E-01	2.70E-04	8.23E-04	8.38E-04	7.44E-01	7.74E-01	2.76E+00	7.50E-02	2.87E-02	3.64E+00	7.73E-01	3.16E-04	8.23E-04	8.38E-04	7.75E-01
5017	487363.09	3863377.25	7.59E-01	3.07E-04	8.34E-04	6.84E-04	7.61E-01	7.92E-01	3.13E+00	7.60E-02	2.34E-02	4.02E+00	7.90E-01	3.59E-04	8.34E-04	6.84E-04	7.92E-01
5018	487863.09	3863377.25	8.59E-01	2.96E-04	9.03E-04	7.47E-04	8.61E-01	8.96E-01	3.03E+00	8.23E-02	2.55E-02	4.03E+00	8.95E-01	3.47E-04	9.03E-04	7.47E-04	8.97E-01
5019	488363.09	3863377.25	9.36E-01	3.16E-04	9.00E-04	6.81E-04	9.38E-01	9.77E-01	3.23E+00	8.20E-02	2.33E-02	4.31E+00	9.75E-01	3.70E-04	9.00E-04	6.81E-04	9.77E-01
5020	488863.09	3863377.25	8.78E-01	3.50E-04	8.81E-04	6.59E-04	8.79E-01	9.16E-01	3.58E+00	8.03E-02	2.25E-02	4.60E+00	9.14E-01	4.10E-04	8.81E-04	6.59E-04	9.16E-01
5021	489363.09	3863377.25	8.69E-01	3.76E-04	8.40E-04	6.59E-04	8.71E-01	9.06E-01	3.84E+00	7.66E-02	2.25E-02	4.84E+00	9.05E-01	4.40E-04	8.40E-04	6.59E-04	9.07E-01
5022	489863.09	3863377.25	9.54E-01	4.22E-04	7.51E-04	5.98E-04	9.55E-01	9.95E-01	4.31E+00	6.85E-02	2.04E-02	5.39E+00	9.93E-01	4.93E-04	7.51E-04	5.98E-04	9.95E-01
5023	490363.09	3863377.25	9.65E-01	4.59E-04	8.00E-04	6.30E-04	9.67E-01	1.01E+00	4.69E+00	7.30E-02	2.15E-02	5.79E+00	1.00E+00	5.37E-04	8.00E-04	6.30E-04	1.01E+00
5024	490863.09	3863377.25	9.59E-01	4.99E-04	8.83E-04	7.88E-04	9.62E-01	1.00E+00	5.10E+00	8.06E-02	2.70E-02	6.21E+00	9.99E-01	5.84E-04	8.83E-04	7.88E-04	1.00E+00
5025	491363.09	3863377.25	9.70E-01	4.87E-04	8.27E-04	1.02E-03	9.72E-01	1.01E+00	4.98E+00	7.54E-02	3.48E-02	6.10E+00	1.01E+00	5.70E-04	8.27E-04	1.02E-03	1.01E+00
5026	491863.09	3863377.25	9.42E-01	5.16E-04	8.25E-04	9.82E-04	9.44E-01	9.83E-01	5.27E+00	7.52E-02	3.36E-02	6.36E+00	9.81E-01	6.03E-04	8.25E-04	9.82E-04	9.83E-01
5027	492363.09	3863377.25	9.12E-01	4.72E-04	8.96E-04	9.34E-04	9.15E-01	9.52E-01	4.82E+00	8.17E-02	3.20E-02	5.89E+00	9.50E-01	5.52E-04	8.96E-04	9.34E-04	9.52E-01
5028	492863.09	3863377.25	8.78E-01	4.05E-04	1.11E-03	9.88E-04	8.80E-01	9.16E-01	4.14E+00	1.01E-01	3.38E-02	5.19E+00	9.14E-01	4.74E-04	1.11E-03	9.88E-04	9.17E-01
5029	493363.09	3863377.25	9.85E-01	4.09E-04	1.02E-03	9.65E-04	9.88E-01	1.03E+00	4.18E+00	9.29E-02	3.30E-02	5.33E+00	1.03E+00	4.78E-04	1.02E-03	9.65E-04	1.03E+00
5030	493863.09	3863377.25	9.26E-01	3.99E-04	1.42E-03	9.03E-04	9.28E-01	9.66E-01	4.08E+00	1.29E-01	3.09E-02	5.20E+00	9.64E-01	4.67E-04	1.42E-03	9.03E-04	9.67E-01
5031	494363.09	3863377.25	7.98E-01	3.57E-04	1.57E-03	8.91E-04	8.00E-01	8.32E-01	3.64E+00	1.43E-01	3.05E-02	4.65E+00	8.31E-01	4.17E-04	1.57E-03	8.91E-04	8.33E-01
5032	494863.09	3863377.25	7.19E-01	3.44E-04	1.72E-03	1.08E-03	7.22E-01	7.50E-01	3.51E+00	1.57E-01	3.68E-02	4.45E+00	7.49E-01	4.02E-04	1.72E-03	1.08E-03	7.52E-01
5033	495363.09	3863377.25	6.55E-01	3.45E-04	1.62E-03	1.12E-03	6.58E-01	6.83E-01	3.53E+00	1.47E-01	3.84E-02	4.40E+00	6.82E-01	4.04E-04	1.62E-03	1.12E-03	6.85E-01
5034	495863.09	3863377.25	7.18E-01	3.23E-04	1.69E-03	1.38E-03	7.22E-01	7.49E-01	3.30E+00	1.54E-01	4.73E-02	4.25E+00	7.48E-01	3.78E-04	1.69E-03	1.38E-03	7.51E-01
5035	496363.09	3863377.25	6.65E-01	3.01E-04	1.34E-03	1.27E-03	6.68E-01	6.94E-01	3.07E+00	1.22E-01	4.34E-02	3.93E+00	6.92E-01	3.52E-04	1.34E-03	1.27E-03	6.95E-01
5036	496863.09	3863377.25	5.89E-01	2.58E-04	1.33E-03	1.34E-03	5.91E-01	6.14E-01	2.63E+00	1.21E-01	4.58E-02	3.41E+00	6.13E-01	3.01E-04	1.33E-03	1.34E-03	6.16E-01
5037	497363.09	3863377.25	5.68E-01	2.39E-04	1.25E-03	1.51E-03	5.71E-01	5.92E-01	2.44E+00	1.14E-01	5.17E-02	3.20E+00	5.91E-01	2.80E-04	1.25E-03	1.51E-03	5.94E-01
5038	497863.09	3863377.25	5.65E-01	2.27E-04	1.34E-03	1.53E-03	5.68E-01	5.90E-01	2.32E+00	1.22E-01	5.24E-02	3.09E+00	5.88E-01	2.66E-04	1.34E-03	1.53E-03	5.92E-01
5039	498363.09	3863377.25	5.65E-01	2.14E-04	1.51E-03	1.59E-03	5.68E-01	5.90E-01	2.18E+00	1.38E-01	5.45E-02	2.96E+00	5.88E-01	2.50E-04	1.51E-03	1.59E-03	5.92E-01
5040	471363.09	3863877.25	3.81E-01	8.70E-05	1.57E-03	1.42E-03	3.84E-01	3.98E-01	8.89E-01	1.43E-01	4.85E-02	1.48E+00	3.97E-01	1.02E-04	1.57E-03	1.42E-03	4.00E-01
5041	471863.09	3863877.25	3.84E-01	9.09E-05	1.53E-03	1.43E-03	3.87E-01	4.01E-01	9.28E-01	1.40E-01	4.87E-02	1.52E+00	4.00E-01	1.06E-04	1.53E-03	1.43E-03	4.03E-01
5042	472363.09	3863877.25	3.72E-01	9.13E-05	1.38E-03	1.49E-03	3.75E-01	3.88E-01	9.33E-01	1.26E-01	5.10E-02	1.50E+00	3.87E-01	1.07E-04	1.38E-03	1.49E-03	3.90E-01
5043	472863.09	3863877.25	3.50E-01	9.36E-05	1.24E-03	1.55E-03	3.53E-01	3.65E-01	9.56E-01	1.13E-01	5.30E-02	1.49E+00	3.65E-01	1.09E-04	1.24E-03	1.55E-03	3.67E-01
5044	473363.09	3863877.25	3.37E-01	1.01E-04	1.28E-03	1.72E-03	3.40E-01	3.51E-01	1.03E+00	1.16E-01	5.89E-02	1.56E+00	3.51E-01	1.18E-04	1.28E-03	1.72E-03	3.54E-01
5045	473863.09	3863877.25	3.47E-01	1.03E-04	1.39E-03	1.70E-03	3.50E-01	3.62E-01	1.05E+00	1.27E-01	5.82E-02	1.60E+00	3.61E-01	1.20E-04	1.39E-03	1.70E-03	3.64E-01
5046	474363.09	3863877.25	3.31E-01	1.08E-04	1.29E-03	1.59E-03	3.34E-01	3.46E-01	1.10E+00	1.17E-01	5.45E-02	1.62E+00	3.45E-01	1.26E-04	1.29E-03	1.59E-03	3.48E-01
5047	474863.09	3863877.25	3.27E-01	1.07E-04	1.28E-03	1.64E-03	3.30E-01	3.42E-01	1.10E+00	1.16E-01	5.62E-02	1.61E+00	3.41E-01	1.25E-04	1.28E-03	1.64E-03	3.44E-01
5048	475363.09	3863877.25	3.56E-01	1.08E-04	1.21E-03	1.46E-03	3.59E-01	3.71E-01	1.10E+00	1.10E-01	5.01E-02	1.63E+00	3.70E-01	1.26E-04	1.21E-03	1.46E-03	3.73E-01
5049	475863.09	3863877.25	3.63E-01	1.15E-04	1.18E-03	1.49E-03	3.66E-01	3.79E-01	1.17E+00	1.07E-01	5.09E-02	1.71E+00	3.78E-01	1.34E-04	1.18E-03	1.49E-03	3.81E-01
5050	476363.09	3863877.25	3.83E-01	1.20E-04	1.11E-03	1.49E-03	3.86E-01	4.00E-01	1.23E+00	1.01E-01	5.09E-02	1.78E+00	3.99E-01	1.41E-04	1.11E-03	1.49E-03	4.02E-01
5051	476863.09	3863877.25	3.82E-01	1.23E-04	1.11E-03	1.51E-03	3.85E-01	3.98E-01	1.26E+00	1.01E-01	5.16E-02	1.81E+00	3.98E-01	1.44E-04	1.11E-03	1.51E-03	4.00E-01
5052	477363.09	3863877.25	4.00E-01	1.25E-04	1.09E-03	1.50E-03	4.03E-01	4.18E-01	1.28E+00	9.97E-02	5.11E-02	1.84E+00	4.17E-01	1.46E-04	1.09E-03	1.50E-03	4.20E-01
5053	477863.09	3863877.25	4.15E-01	1.21E-04	9.67E-04	1.48E-03	4.18E-01	4.33E-01	1.23E+00	8.82E-02	5.05E-02	1.81E+00	4.33E-01	1.41E-04	9.67E-04	1.48E-03	4.35E-01
5054	478363.09	3863877.25	4.29E-01	1.05E-04	9.41E-04	1.52E-03	4.31E-01	4.47E-01	1.07E+00	8.58E-02	5.20E-02	1.65E+00	4.46E-01	1.23E-04	9.41E-04	1.52E-03	4.49E-01
5055	478863.09	3863877.25	4.41E-01	1.23E-04	9.20E-04	1.56E-03	4.44E-01	4.60E-01	1.26E+00	8.39E-02	5.32E-02	1.86E+00	4.59E-01	1.44E-04	9.20E-04	1.56E-03	4.62E-01
5056	479363.09	3863877.25	4.40E-01	1.34E-04	8.34E-04	1.52E-03	4.43E-01	4.59E-01	1.37E+00	7.60E-02	5.20E-02	1.95E+00	4.58E-01	1.56E-04	8.34E-04	1.52E-03	4.61E-01
5057	479863.09	3863877.25	4.39E-01	1.37E-04	8.99E-04	1.37E-03	4.41E-01	4.58E-01	1.40E+00	8.20E-02	4.68E-02	1.99E+00	4.57E-01	1.60E-04	8.99E-04	1.37E-03	4.60E-01
5058	480363.09	3863877.25	4.65E-01	1.36E-04	8.72E-04	1.40E-03	4.68E-01	4.85E-01	1.39E+00	7.95E-02	4.80E-02	2.01E+00	4.85E-01	1.60E-04	8.72E-04	1.40E-03	4.87E-01
5059	480863.09	3863877.25	4.92E-01	1.39E-04	8.58E-04	1.46E-03	4.94E-01	5.13E-01	1.42E+00	7.82E-02	4.99E-02	2.06E+00	5.12E-01	1.63E-04	8.58E-04	1.46E-03	5.15E-01

5060	481363.09	3863877.25	5.21E-01	1.41E-04	1.03E-03	1.25E-03	5.23E-01	5.43E-01	1.44E+00	9.39E-02	4.27E-02	2.12E+00	5.42E-01	1.65E-04	1.03E-03	1.25E-03	5.45E-01
5061	481863.09	3863877.25	5.32E-01	1.41E-04	9.45E-04	1.30E-03	5.34E-01	5.55E-01	1.44E+00	8.62E-02	4.46E-02	2.13E+00	5.54E-01	1.65E-04	9.45E-04	1.30E-03	5.56E-01
5062	482363.09	3863877.25	5.27E-01	1.50E-04	8.07E-04	1.25E-03	5.29E-01	5.50E-01	1.53E+00	7.36E-02	4.26E-02	2.20E+00	5.49E-01	1.76E-04	8.07E-04	1.25E-03	5.51E-01
5063	482863.09	3863877.25	5.55E-01	1.56E-04	8.06E-04	1.10E-03	5.57E-01	5.79E-01	1.60E+00	7.35E-02	3.78E-02	2.29E+00	5.78E-01	1.83E-04	8.06E-04	1.10E-03	5.80E-01
5064	483363.09	3863877.25	5.68E-01	1.64E-04	8.75E-04	1.13E-03	5.71E-01	5.93E-01	1.67E+00	7.98E-02	3.88E-02	2.38E+00	5.92E-01	1.91E-04	8.75E-04	1.13E-03	5.94E-01
5065	483863.09	3863877.25	5.99E-01	1.75E-04	8.74E-04	1.17E-03	6.01E-01	6.25E-01	1.79E+00	7.97E-02	4.01E-02	2.53E+00	6.23E-01	2.05E-04	8.74E-04	1.17E-03	6.26E-01
5066	484363.09	3863877.25	6.27E-01	1.91E-04	1.11E-03	1.20E-03	6.29E-01	6.54E-01	1.95E+00	1.01E-01	4.12E-02	2.75E+00	6.52E-01	2.23E-04	1.11E-03	1.20E-03	6.55E-01
5067	484863.09	3863877.25	5.99E-01	1.96E-04	1.02E-03	9.97E-04	6.01E-01	6.25E-01	2.00E+00	9.32E-02	3.41E-02	2.76E+00	6.24E-01	2.29E-04	1.02E-03	9.97E-04	6.26E-01
5068	485363.09	3863877.25	5.97E-01	2.04E-04	9.23E-04	9.47E-04	5.99E-01	6.23E-01	2.08E+00	8.42E-02	3.24E-02	2.82E+00	6.22E-01	2.38E-04	9.23E-04	9.47E-04	6.24E-01
5069	485863.09	3863877.25	6.10E-01	2.33E-04	8.67E-04	8.41E-04	6.12E-01	6.36E-01	2.38E+00	7.91E-02	2.88E-02	3.12E+00	6.35E-01	2.73E-04	8.67E-04	8.41E-04	6.37E-01
5070	486363.09	3863877.25	6.54E-01	2.43E-04	7.98E-04	6.79E-04	6.55E-01	6.82E-01	2.48E+00	7.28E-02	2.32E-02	3.26E+00	6.81E-01	2.84E-04	7.98E-04	6.79E-04	6.83E-01
5071	486863.09	3863877.25	6.77E-01	2.49E-04	7.60E-04	7.50E-04	6.79E-01	7.06E-01	2.54E+00	6.93E-02	2.56E-02	3.34E+00	7.05E-01	2.91E-04	7.60E-04	7.50E-04	7.07E-01
5072	487363.09	3863877.25	6.86E-01	2.69E-04	7.56E-04	6.18E-04	6.88E-01	7.16E-01	2.75E+00	6.89E-02	2.12E-02	3.56E+00	7.14E-01	3.15E-04	7.56E-04	6.18E-04	7.16E-01
5073	487863.09	3863877.25	7.72E-01	2.57E-04	8.34E-04	5.90E-04	7.74E-01	8.05E-01	2.63E+00	7.61E-02	2.02E-02	3.53E+00	8.04E-01	3.01E-04	8.34E-04	5.90E-04	8.06E-01
5074	488363.09	3863877.25	8.49E-01	2.80E-04	8.32E-04	5.84E-04	8.50E-01	8.85E-01	2.86E+00	7.59E-02	2.00E-02	3.84E+00	8.84E-01	3.27E-04	8.32E-04	5.84E-04	8.85E-01
5075	488863.09	3863877.25	8.51E-01	3.01E-04	8.46E-04	5.48E-04	8.52E-01	8.87E-01	3.07E+00	7.71E-02	1.87E-02	4.06E+00	8.86E-01	3.52E-04	8.46E-04	5.48E-04	8.87E-01
5076	489363.09	3863877.25	7.95E-01	3.31E-04	7.81E-04	5.50E-04	7.97E-01	8.30E-01	3.38E+00	7.13E-02	1.88E-02	4.30E+00	8.28E-01	3.87E-04	7.81E-04	5.50E-04	8.30E-01
5077	489863.09	3863877.25	8.34E-01	3.51E-04	7.24E-04	5.67E-04	8.35E-01	8.70E-01	3.58E+00	6.61E-02	1.94E-02	4.54E+00	8.68E-01	4.10E-04	7.24E-04	5.67E-04	8.70E-01
5078	490363.09	3863877.25	8.51E-01	3.95E-04	7.11E-04	5.15E-04	8.53E-01	8.88E-01	4.03E+00	6.48E-02	1.76E-02	5.01E+00	8.86E-01	4.62E-04	7.11E-04	5.15E-04	8.88E-01
5079	490863.09	3863877.25	9.02E-01	4.25E-04	7.50E-04	5.62E-04	9.04E-01	9.42E-01	4.34E+00	6.84E-02	1.92E-02	5.37E+00	9.40E-01	4.97E-04	7.50E-04	5.62E-04	9.42E-01
5080	491363.09	3863877.25	8.41E-01	4.42E-04	8.54E-04	6.93E-04	8.43E-01	8.77E-01	4.52E+00	7.79E-02	2.37E-02	5.50E+00	8.75E-01	5.17E-04	8.54E-04	6.93E-04	8.78E-01
5081	491863.09	3863877.25	8.67E-01	4.40E-04	7.71E-04	8.96E-04	8.69E-01	9.04E-01	4.50E+00	7.03E-02	3.07E-02	5.50E+00	9.03E-01	5.15E-04	7.71E-04	8.96E-04	9.05E-01
5082	492363.09	3863877.25	9.49E-01	5.04E-04	8.09E-04	8.16E-04	9.51E-01	9.90E-01	5.15E+00	7.38E-02	2.79E-02	6.24E+00	9.88E-01	5.89E-04	8.09E-04	8.16E-04	9.90E-01
5083	492863.09	3863877.25	8.40E-01	4.29E-04	8.08E-04	7.79E-04	8.42E-01	8.76E-01	4.39E+00	7.37E-02	2.67E-02	5.36E+00	8.75E-01	5.02E-04	8.08E-04	7.79E-04	8.77E-01
5084	493363.09	3863877.25	8.20E-01	3.82E-04	8.98E-04	8.47E-04	8.22E-01	8.56E-01	3.90E+00	8.19E-02	2.90E-02	4.87E+00	8.54E-01	4.47E-04	8.98E-04	8.47E-04	8.56E-01
5085	493863.09	3863877.25	9.10E-01	3.49E-04	8.70E-04	9.26E-04	9.12E-01	9.50E-01	3.57E+00	7.93E-02	3.17E-02	4.63E+00	9.48E-01	4.09E-04	8.70E-04	9.26E-04	9.50E-01
5086	494363.09	3863877.25	8.47E-01	3.70E-04	1.19E-03	7.41E-04	8.49E-01	8.84E-01	3.78E+00	1.09E-01	2.53E-02	4.80E+00	8.82E-01	4.33E-04	1.19E-03	7.41E-04	8.84E-01
5087	494863.09	3863877.25	7.95E-01	3.43E-04	1.39E-03	7.27E-04	7.98E-01	8.30E-01	3.50E+00	1.26E-01	2.49E-02	4.48E+00	8.28E-01	4.01E-04	1.39E-03	7.27E-04	8.31E-01
5088	495363.09	3863877.25	6.51E-01	3.30E-04	1.59E-03	7.53E-04	6.54E-01	6.79E-01	3.37E+00	1.45E-01	2.58E-02	4.22E+00	6.78E-01	3.86E-04	1.59E-03	7.53E-04	6.81E-01
5089	495863.09	3863877.25	6.47E-01	3.12E-04	1.58E-03	8.64E-04	6.50E-01	6.75E-01	3.19E+00	1.44E-01	2.96E-02	4.04E+00	6.74E-01	3.65E-04	1.58E-03	8.64E-04	6.77E-01
5090	496363.09	3863877.25	5.80E-01	3.01E-04	1.41E-03	9.35E-04	5.83E-01	6.05E-01	3.08E+00	1.28E-01	3.20E-02	3.84E+00	6.04E-01	3.53E-04	1.41E-03	9.35E-04	6.07E-01
5091	496863.09	3863877.25	6.39E-01	2.87E-04	1.27E-03	1.14E-03	6.41E-01	6.66E-01	2.93E+00	1.16E-01	3.90E-02	3.75E+00	6.65E-01	3.35E-04	1.27E-03	1.14E-03	6.68E-01
5092	497363.09	3863877.25	5.64E-01	2.73E-04	1.18E-03	1.06E-03	5.67E-01	5.89E-01	2.79E+00	1.07E-01	3.63E-02	3.52E+00	5.87E-01	3.19E-04	1.18E-03	1.06E-03	5.90E-01
5093	497863.09	3863877.25	5.43E-01	2.36E-04	1.15E-03	1.08E-03	5.46E-01	5.67E-01	2.42E+00	1.05E-01	3.69E-02	3.13E+00	5.66E-01	2.77E-04	1.15E-03	1.08E-03	5.68E-01
5094	498363.09	3863877.25	5.14E-01	2.19E-04	1.10E-03	1.24E-03	5.16E-01	5.36E-01	2.23E+00	1.01E-01	4.25E-02	2.91E+00	5.35E-01	2.56E-04	1.10E-03	1.24E-03	5.38E-01
5095	471363.09	3864377.25	3.50E-01	8.60E-05	1.13E-03	1.40E-03	3.53E-01	3.65E-01	8.78E-01	1.03E-01	4.79E-02	1.39E+00	3.64E-01	1.01E-04	1.13E-03	1.40E-03	3.67E-01
5096	471863.09	3864377.25	3.32E-01	8.96E-05	1.08E-03	1.43E-03	3.34E-01	3.46E-01	9.16E-01	9.89E-02	4.90E-02	1.41E+00	3.45E-01	1.05E-04	1.08E-03	1.43E-03	3.48E-01
5097	472363.09	3864377.25	3.15E-01	9.34E-05	1.19E-03	1.49E-03	3.18E-01	3.29E-01	9.54E-01	1.09E-01	5.10E-02	1.44E+00	3.28E-01	1.09E-04	1.19E-03	1.49E-03	3.31E-01
5098	472863.09	3864377.25	3.24E-01	9.49E-05	1.15E-03	1.61E-03	3.27E-01	3.39E-01	9.70E-01	1.04E-01	5.50E-02	1.47E+00	3.38E-01	1.11E-04	1.15E-03	1.61E-03	3.41E-01
5099	473363.09	3864377.25	3.13E-01	9.89E-05	1.17E-03	1.53E-03	3.16E-01	3.27E-01	1.01E+00	1.07E-01	5.23E-02	1.50E+00	3.26E-01	1.16E-04	1.17E-03	1.53E-03	3.29E-01
5100	473863.09	3864377.25	3.07E-01	9.90E-05	1.08E-03	1.41E-03	3.10E-01	3.20E-01	1.01E+00	9.86E-02	4.81E-02	1.48E+00	3.20E-01	1.16E-04	1.08E-03	1.41E-03	3.22E-01
5101	474363.09	3864377.25	3.17E-01	1.02E-04	1.11E-03	1.31E-03	3.19E-01	3.31E-01	1.05E+00	1.01E-01	4.46E-02	1.52E+00	3.30E-01	1.20E-04	1.11E-03	1.31E-03	3.33E-01
5102	474863.09	3864377.25	3.41E-01	1.08E-04	1.08E-03	1.24E-03	3.43E-01	3.55E-01	1.10E+00	9.84E-02	4.22E-02	1.60E+00	3.55E-01	1.26E-04	1.08E-03	1.24E-03	3.57E-01
5103	475363.09	3864377.25	3.50E-01	1.11E-04	1.04E-03	1.22E-03	3.53E-01	3.66E-01	1.13E+00	9.53E-02	4.16E-02	1.64E+00	3.65E-01	1.30E-04	1.04E-03	1.22E-03	3.67E-01
5104	475863.09	3864377.25	3.65E-01	1.14E-04	9.99E-04	1.38E-03	3.68E-01	3.81E-01	1.17E+00	9.11E-02	4.72E-02	1.69E+00	3.80E-01	1.34E-04	9.99E-04	1.38E-03	3.83E-01
5105	476363.09	3864377.25	3.64E-01	1.16E-04	9.70E-04	1.38E-03	3.66E-01	3.80E-01	1.19E+00	8.84E-02	4.73E-02	1.70E+00	3.79E-01	1.36E-04	9.70E-04	1.38E-03	3.81E-01
5106	476863.09	3864377.25	3.77E-01	1.16E-04	9.00E-04	1.37E-03	3.80E-01	3.94E-01	1.18E+00	8.21E-02	4.68E-02	1.70E+00	3.93E-01	1.35E-04	9.00E-04	1.37E-03	3.95E-01
5107	477363.09	3864377.25	3.87E-01	1.17E-04	9.15E-04	1.33E-03	3.90E-01	4.04E-01	1.19E+00	8.35E-02	4.57E-02	1.73E+00	4.03E-01	1.37E-04	9.15E-04	1.33E-03	4.06E-01
5108	477863.09	3864377.25	3.98E-01	1.17E-04	8.66E-04	1.45E-03	4.00E-01	4.15E-01	1.19E+00	7.90E-02	4.95E-02	1.74E+00	4.14E-01	1.37E-04	8.66E-04	1.45E-03	4.17E-01
5109	478363.09	3864377.25	4.11E-01	1.22E-04	8.48E-04	1.34E-03	4.13E-01	4.29E-01	1.25E+00	7.73E-02	4.59E-02	1.80E+00	4.28E-01	1.43E-04	8.48E-04	1.34E-03	4.30E-01
5110	478863.09	3864377.25	4.15E-01	1.25E-04	7.19E-04	1.45E-03	4.18E-01	4.33E-01	1.27E+00	6.56E-02	4.94E-02	1.82E+00	4.32E-01	1.46E-04	7.19E-04	1.45E-03	4.35E-01
5111	479363.09	3864377.25	4.09E-01	1.25E-04	8.47E-04	1.28E-03	4.12E-01	4.27E-01	1.28E+00	7.72E-02	4.38E-02	1.82E+00	4.26E-01	1.46E-04	8.47E-04	1.28E-03	4.29E-01
5112	479863.09	3864377.25	4.27E-01	1.26E-04	7.88E-04	1.22E-03	4.29E-01	4.46E-01	1.28E+00	7.18E-02	4.16E-02	1.84E+00	4.45E-01	1.47E-04	7.88E-04	1.22E-03	4.47E-01
5113	480363.09	3864377.25	4.46E-01	1.26E-04	8.26E-04	1.35E-03	4.48E-01	4.65E-01	1.29E+00	7.53E-02	4.62E-02	1.87E+00	4.64E-01	1.47E-04	8.26E-04	1.35E-03	4.67E-01
5114	480863.09	3864377.25	4.81E-01	1.27E-04	9.63E-04	1.29E-03	4.84E-01	5.02E-01	1.29E+00	8.78E-02	4.40E-02	1.93E+00	5.01E-01	1.48E-04	9.63E-04	1.29E-03	5.04E-01
5115	481363.09	3864377.25	4.99E-01	1.23E-04	8.44E-04	1.16E-03	5.01E-01	5.20E-01	1.25E+00	7.69E-02	3.96E-02	1.89E+00	5.19E-01	1.43E-04	8.44E-04	1.16E-03	5.21E-01
5116	481863.09	3864377.25	4.94E-01	1.35E-04	7.44E-04	1.03E-03	4.96E-01	5.16E-01	1.38E+00	6.78E-02	3.51E-02	2.00E+00	5.15E-01	1.58E-04	7.44E-04	1.03E-03	5.17E-01
5117	482363.09	3864377.25	5.02E-01	1.43E-04	7.36E-04	9.80E-04	5.04E-01	5.24E-01	1.46E+00	6.71E-02	3.35E-02	2.09E+00	5.23E-01	1.68E-04	7.36E-04	9.80E-04	5.25E-01
5118	482863.09	3864377.25	5.09E-01	1.44E-04	7.44E-04	9.87E-04	5.10E-01	5.31E-01	1.48E+00	6.79E-02	3.38E-02	2.11E+00	5.30E-01	1.69E-04	7.44E-04	9.87E-04	5.32E-01
5119	483363.09	3864377.25	5.56E-01	1.54E-04	7.92E-04	1.04E-03	5.58E-01	5.80E-01	1.57E+00	7.22E-02	3.54E-02	2.26E+00	5.79E-01	1.80E-04	7.92E-04	1.04E-03	5.81E-01
5120	483863.09	3864377.25	5.60E-01	1.68E-04	9.13E-04	9.05E-04	5.62E-01	5.84E-01	1.72E+00	8.33E-02	3.10E-02	2.42E+00	5.83E-01	1.97E-04	9.13E-04	9.05E-04	5.85E-01

5121	484363.09	3864377.25	5.89E-01	1.78E-04	9.90E-04	1.02E-03	5.91E-01	6.14E-01	1.82E+00	9.03E-02	3.48E-02	2.56E+00	6.13E-01	2.09E-04	9.90E-04	1.02E-03	6.15E-01
5122	484863.09	3864377.25	5.55E-01	1.71E-04	7.54E-04	8.62E-04	5.57E-01	5.79E-01	1.75E+00	6.88E-02	2.95E-02	2.43E+00	5.78E-01	2.00E-04	7.54E-04	8.62E-04	5.80E-01
5123	485363.09	3864377.25	5.55E-01	1.95E-04	7.77E-04	8.93E-04	5.57E-01	5.79E-01	1.99E+00	7.09E-02	3.05E-02	2.67E+00	5.78E-01	2.28E-04	7.77E-04	8.93E-04	5.80E-01
5124	485863.09	3864377.25	5.72E-01	2.10E-04	7.30E-04	6.46E-04	5.73E-01	5.96E-01	2.14E+00	6.66E-02	2.21E-02	2.83E+00	5.95E-01	2.45E-04	7.30E-04	6.46E-04	5.97E-01
5125	486363.09	3864377.25	6.22E-01	1.96E-04	7.15E-04	6.38E-04	6.23E-01	6.49E-01	2.01E+00	6.52E-02	2.18E-02	2.74E+00	6.47E-01	2.30E-04	7.15E-04	6.38E-04	6.49E-01
5126	486863.09	3864377.25	6.17E-01	2.31E-04	7.14E-04	6.21E-04	6.19E-01	6.44E-01	2.36E+00	6.51E-02	2.12E-02	3.09E+00	6.43E-01	2.70E-04	7.14E-04	6.21E-04	6.45E-01
5127	487363.09	3864377.25	6.39E-01	2.36E-04	7.50E-04	5.13E-04	6.41E-01	6.67E-01	2.42E+00	6.84E-02	1.75E-02	3.17E+00	6.66E-01	2.77E-04	7.50E-04	5.13E-04	6.67E-01
5128	487863.09	3864377.25	6.99E-01	2.30E-04	7.76E-04	4.88E-04	7.01E-01	7.29E-01	2.35E+00	7.07E-02	1.67E-02	3.17E+00	7.28E-01	2.70E-04	7.76E-04	4.88E-04	7.30E-01
5129	488363.09	3864377.25	7.65E-01	2.48E-04	7.72E-04	5.15E-04	7.67E-01	7.98E-01	2.54E+00	7.04E-02	1.76E-02	3.43E+00	7.97E-01	2.91E-04	7.72E-04	5.15E-04	7.98E-01
5130	488863.09	3864377.25	7.62E-01	2.63E-04	7.90E-04	5.00E-04	7.64E-01	7.95E-01	2.69E+00	7.21E-02	1.71E-02	3.57E+00	7.94E-01	3.07E-04	7.90E-04	5.00E-04	7.95E-01
5131	489363.09	3864377.25	7.65E-01	2.85E-04	7.31E-04	4.97E-04	7.67E-01	7.98E-01	2.91E+00	6.67E-02	1.70E-02	3.79E+00	7.97E-01	3.34E-04	7.31E-04	4.97E-04	7.98E-01
5132	489863.09	3864377.25	7.08E-01	2.94E-04	6.75E-04	4.89E-04	7.10E-01	7.39E-01	3.00E+00	6.15E-02	1.67E-02	3.82E+00	7.37E-01	3.44E-04	6.75E-04	4.89E-04	7.39E-01
5133	490363.09	3864377.25	7.88E-01	3.34E-04	6.38E-04	4.84E-04	7.89E-01	8.22E-01	3.41E+00	5.82E-02	1.66E-02	4.31E+00	8.21E-01	3.91E-04	6.38E-04	4.84E-04	8.22E-01
5134	490863.09	3864377.25	8.65E-01	3.75E-04	6.87E-04	4.63E-04	8.66E-01	9.02E-01	3.83E+00	6.26E-02	1.58E-02	4.81E+00	9.00E-01	4.38E-04	6.87E-04	4.63E-04	9.02E-01
5135	491363.09	3864377.25	8.85E-01	4.03E-04	7.29E-04	4.93E-04	8.86E-01	9.23E-01	4.12E+00	6.65E-02	1.69E-02	5.13E+00	9.21E-01	4.72E-04	7.29E-04	4.93E-04	9.23E-01
5136	491863.09	3864377.25	6.39E-01	1.03E-04	6.96E-04	4.55E-04	6.41E-01	6.67E-01	1.05E+00	6.35E-02	1.56E-02	1.80E+00	6.66E-01	1.20E-04	6.96E-04	4.55E-04	6.67E-01
5137	492363.09	3864377.25	9.66E-01	3.02E-04	7.18E-04	6.24E-04	9.67E-01	1.01E+00	3.09E+00	6.55E-02	2.13E-02	4.18E+00	1.01E+00	3.53E-04	7.18E-04	6.24E-04	1.01E+00
5138	492863.09	3864377.25	8.16E-01	1.62E-04	6.80E-04	6.85E-04	8.18E-01	8.52E-01	1.65E+00	6.20E-02	2.34E-02	2.59E+00	8.50E-01	1.89E-04	6.80E-04	6.85E-04	8.52E-01
5139	493363.09	3864377.25	7.38E-01	2.80E-04	7.24E-04	6.32E-04	7.40E-01	7.70E-01	2.86E+00	6.60E-02	2.16E-02	3.72E+00	7.68E-01	3.27E-04	7.24E-04	6.32E-04	7.70E-01
5140	493863.09	3864377.25	8.11E-01	3.05E-04	7.62E-04	7.60E-04	8.13E-01	8.47E-01	3.11E+00	6.95E-02	2.60E-02	4.06E+00	8.45E-01	3.57E-04	7.62E-04	7.60E-04	8.47E-01
5141	494363.09	3864377.25	8.25E-01	3.12E-04	7.88E-04	8.18E-04	8.27E-01	8.60E-01	3.19E+00	7.19E-02	2.80E-02	4.15E+00	8.59E-01	3.65E-04	7.88E-04	8.18E-04	8.61E-01
5142	494863.09	3864377.25	7.92E-01	3.35E-04	9.78E-04	6.76E-04	7.94E-01	8.27E-01	3.42E+00	8.92E-02	2.31E-02	4.36E+00	8.25E-01	3.92E-04	9.78E-04	6.76E-04	8.27E-01
5143	495363.09	3864377.25	7.59E-01	3.20E-04	1.20E-03	7.01E-04	7.61E-01	7.92E-01	3.27E+00	1.09E-01	2.40E-02	4.19E+00	7.91E-01	3.74E-04	1.20E-03	7.01E-04	7.93E-01
5144	495863.09	3864377.25	6.05E-01	3.04E-04	1.46E-03	5.80E-04	6.07E-01	6.31E-01	3.11E+00	1.33E-01	1.98E-02	3.89E+00	6.30E-01	3.56E-04	1.46E-03	5.80E-04	6.32E-01
5145	496363.09	3864377.25	6.27E-01	2.93E-04	1.42E-03	6.45E-04	6.29E-01	6.54E-01	2.99E+00	1.29E-01	2.21E-02	3.79E+00	6.53E-01	3.42E-04	1.42E-03	6.45E-04	6.55E-01
5146	496863.09	3864377.25	5.40E-01	2.88E-04	1.24E-03	7.19E-04	5.43E-01	5.64E-01	2.94E+00	1.13E-01	2.46E-02	3.64E+00	5.63E-01	3.37E-04	1.24E-03	7.19E-04	5.65E-01
5147	497363.09	3864377.25	5.85E-01	2.73E-04	1.19E-03	7.89E-04	5.87E-01	6.10E-01	2.79E+00	1.09E-01	2.70E-02	3.54E+00	6.09E-01	3.19E-04	1.19E-03	7.89E-04	6.11E-01
5148	497863.09	3864377.25	5.63E-01	2.64E-04	1.11E-03	9.65E-04	5.66E-01	5.88E-01	2.69E+00	1.01E-01	3.30E-02	3.42E+00	5.87E-01	3.09E-04	1.11E-03	9.65E-04	5.89E-01
5149	498363.09	3864377.25	5.03E-01	2.48E-04	1.08E-03	9.37E-04	5.05E-01	5.25E-01	2.53E+00	9.86E-02	3.20E-02	3.19E+00	5.24E-01	2.90E-04	1.08E-03	9.37E-04	5.26E-01
5150	471363.09	3864877.25	2.91E-01	8.66E-05	1.08E-03	1.38E-03	2.93E-01	3.03E-01	8.84E-01	9.82E-02	4.73E-02	1.33E+00	3.03E-01	1.01E-04	1.08E-03	1.38E-03	3.05E-01
5151	471863.09	3864877.25	2.94E-01	8.99E-05	1.05E-03	1.38E-03	2.96E-01	3.06E-01	9.19E-01	9.54E-02	4.71E-02	1.37E+00	3.06E-01	1.05E-04	1.05E-03	1.38E-03	3.08E-01
5152	472363.09	3864877.25	2.98E-01	9.43E-05	1.05E-03	1.32E-03	3.01E-01	3.11E-01	9.63E-01	9.59E-02	4.53E-02	1.42E+00	3.11E-01	1.10E-04	1.05E-03	1.32E-03	3.13E-01
5153	472863.09	3864877.25	2.87E-01	9.27E-05	9.64E-04	1.22E-03	2.89E-01	2.99E-01	9.47E-01	8.79E-02	4.18E-02	1.38E+00	2.99E-01	1.08E-04	9.64E-04	1.22E-03	3.01E-01
5154	473363.09	3864877.25	2.89E-01	9.54E-05	1.01E-03	1.19E-03	2.91E-01	3.01E-01	9.75E-01	9.18E-02	4.08E-02	1.41E+00	3.00E-01	1.12E-04	1.01E-03	1.19E-03	3.03E-01
5155	473863.09	3864877.25	2.97E-01	9.99E-05	9.91E-04	1.14E-03	3.00E-01	3.10E-01	1.02E+00	9.04E-02	3.91E-02	1.46E+00	3.10E-01	1.17E-04	9.91E-04	1.14E-03	3.12E-01
5156	474363.09	3864877.25	3.26E-01	1.04E-04	9.78E-04	1.12E-03	3.28E-01	3.40E-01	1.06E+00	8.92E-02	3.84E-02	1.53E+00	3.39E-01	1.22E-04	9.78E-04	1.12E-03	3.42E-01
5157	474863.09	3864877.25	3.37E-01	1.03E-04	9.03E-04	1.15E-03	3.39E-01	3.52E-01	1.05E+00	8.24E-02	3.95E-02	1.53E+00	3.51E-01	1.21E-04	9.03E-04	1.15E-03	3.53E-01
5158	475363.09	3864877.25	3.40E-01	1.08E-04	8.43E-04	1.26E-03	3.42E-01	3.55E-01	1.10E+00	7.69E-02	4.29E-02	1.58E+00	3.54E-01	1.26E-04	8.43E-04	1.26E-03	3.56E-01
5159	475863.09	3864877.25	3.43E-01	1.08E-04	8.18E-04	1.27E-03	3.45E-01	3.58E-01	1.10E+00	7.46E-02	4.34E-02	1.58E+00	3.57E-01	1.26E-04	8.18E-04	1.27E-03	3.60E-01
5160	476363.09	3864877.25	3.52E-01	1.09E-04	8.32E-04	1.28E-03	3.55E-01	3.68E-01	1.11E+00	7.59E-02	4.39E-02	1.60E+00	3.67E-01	1.27E-04	8.32E-04	1.28E-03	3.69E-01
5161	476863.09	3864877.25	3.64E-01	1.11E-04	8.20E-04	1.30E-03	3.66E-01	3.80E-01	1.13E+00	7.48E-02	4.44E-02	1.63E+00	3.79E-01	1.30E-04	8.20E-04	1.30E-03	3.81E-01
5162	477363.09	3864877.25	3.78E-01	1.11E-04	7.84E-04	1.24E-03	3.80E-01	3.94E-01	1.13E+00	7.15E-02	4.24E-02	1.64E+00	3.93E-01	1.30E-04	7.84E-04	1.24E-03	3.96E-01
5163	477863.09	3864877.25	3.85E-01	1.12E-04	6.72E-04	1.25E-03	3.87E-01	4.01E-01	1.15E+00	6.13E-02	4.28E-02	1.65E+00	4.01E-01	1.31E-04	6.72E-04	1.25E-03	4.03E-01
5164	478363.09	3864877.25	3.94E-01	1.16E-04	7.00E-04	1.41E-03	3.97E-01	4.12E-01	1.18E+00	6.39E-02	4.81E-02	1.71E+00	4.11E-01	1.35E-04	7.00E-04	1.41E-03	4.13E-01
5165	478863.09	3864877.25	3.84E-01	1.15E-04	7.47E-04	1.24E-03	3.86E-01	4.01E-01	1.17E+00	6.81E-02	4.25E-02	1.68E+00	4.00E-01	1.34E-04	7.47E-04	1.24E-03	4.02E-01
5166	479363.09	3864877.25	3.94E-01	1.12E-04	7.46E-04	1.13E-03	3.96E-01	4.12E-01	1.15E+00	6.81E-02	3.87E-02	1.66E+00	4.11E-01	1.31E-04	7.46E-04	1.13E-03	4.13E-01
5167	479863.09	3864877.25	4.09E-01	1.15E-04	7.46E-04	1.16E-03	4.11E-01	4.27E-01	1.17E+00	6.81E-02	3.98E-02	1.71E+00	4.26E-01	1.34E-04	7.46E-04	1.16E-03	4.28E-01
5168	480363.09	3864877.25	4.40E-01	1.15E-04	8.67E-04	1.07E-03	4.42E-01	4.60E-01	1.17E+00	7.91E-02	3.67E-02	1.75E+00	4.59E-01	1.35E-04	8.67E-04	1.07E-03	4.61E-01
5169	480863.09	3864877.25	4.67E-01	1.16E-04	7.47E-04	9.58E-04	4.68E-01	4.87E-01	1.19E+00	6.81E-02	3.28E-02	1.78E+00	4.86E-01	1.36E-04	7.47E-04	9.58E-04	4.88E-01
5170	481363.09	3864877.25	4.80E-01	1.21E-04	6.91E-04	9.48E-04	4.82E-01	5.01E-01	1.23E+00	6.30E-02	3.24E-02	1.83E+00	5.00E-01	1.41E-04	6.91E-04	9.48E-04	5.02E-01
5171	481863.09	3864877.25	4.67E-01	1.30E-04	6.66E-04	9.16E-04	4.69E-01	4.88E-01	1.33E+00	6.07E-02	3.13E-02	1.91E+00	4.87E-01	1.53E-04	6.66E-04	9.16E-04	4.89E-01
5172	482363.09	3864877.25	4.79E-01	1.32E-04	6.64E-04	8.93E-04	4.80E-01	4.99E-01	1.35E+00	6.05E-02	3.05E-02	1.94E+00	4.98E-01	1.55E-04	6.64E-04	8.93E-04	5.00E-01
5173	482863.09	3864877.25	4.73E-01	1.40E-04	7.57E-04	8.33E-04	4.75E-01	4.94E-01	1.43E+00	6.91E-02	2.85E-02	2.02E+00	4.93E-01	1.64E-04	7.57E-04	8.33E-04	4.95E-01
5174	483363.09	3864877.25	5.31E-01	1.51E-04	7.61E-04	7.66E-04	5.33E-01	5.54E-01	1.54E+00	6.94E-02	2.62E-02	2.19E+00	5.53E-01	1.77E-04	7.61E-04	7.66E-04	5.55E-01
5175	483863.09	3864877.25	5.19E-01	1.64E-04	9.44E-04	7.97E-04	5.21E-01	5.41E-01	1.68E+00	8.61E-02	2.73E-02	2.33E+00	5.40E-01	1.92E-04	9.44E-04	7.97E-04	5.42E-01
5176	484363.09	3864877.25	5.47E-01	1.56E-04	7.68E-04	8.35E-04	5.49E-01	5.71E-01	1.59E+00	7.01E-02	2.86E-02	2.26E+00	5.70E-01	1.82E-04	7.68E-04	8.35E-04	5.71E-01
5177	484863.09	3864877.25	5.26E-01	1.68E-04	7.58E-04	9.33E-04	5.28E-01	5.49E-01	1.71E+00	6.91E-02	3.19E-02	2.36E+00	5.48E-01	1.96E-04	7.58E-04	9.33E-04	5.50E-01
5178	485363.09	3864877.25	5.21E-01	1.92E-04	7.40E-04	7.54E-04	5.23E-01	5.44E-01	1.97E+00	6.75E-02	2.58E-02	2.60E+00	5.43E-01	2.25E-04	7.40E-04	7.54E-04	5.44E-01
5179	485863.09	3864877.25	5.42E-01	1.94E-04	6.86E-04	5.56E-04	5.43E-01	5.65E-01	1.99E+00	6.26E-02	1.90E-02	2.63E+00	5.64E-01	2.27E-04	6.86E-04	5.56E-04	5.66E-01
5180	486363.09	3864877.25	5.84E-01	1.80E-04	6.66E-04	5.06E-04	5.85E-01	6.09E-01	1.84E+00	6.08E-02	1.73E-02	2.53E+00	6.08E-01	2.11E-04	6.66E-04	5.06E-04	6.09E-01
5181	486863.09	3864877.25	5.84E-01	2.11E-04	6.41E-04	5.31E-04	5.86E-01	6.09E-01	2.15E+00	5.85E-02	1.82E-02	2.84E+00	6.08E-01	2.47E-04	6.41E-04	5.31E-04	6.10E-01

5182	487363.09	3864877.25	5.87E-01	2.16E-04	7.08E-04	4.30E-04	5.89E-01	6.13E-01	2.21E+00	6.46E-02	1.47E-02	2.90E+00	6.12E-01	2.53E-04	7.08E-04	4.30E-04	6.13E-01
5183	487863.09	3864877.25	6.34E-01	2.11E-04	7.22E-04	4.37E-04	6.35E-01	6.62E-01	2.15E+00	6.58E-02	1.49E-02	2.90E+00	6.60E-01	2.47E-04	7.22E-04	4.37E-04	6.62E-01
5184	488363.09	3864877.25	7.27E-01	2.22E-04	7.22E-04	4.49E-04	7.29E-01	7.59E-01	2.27E+00	6.59E-02	1.54E-02	3.11E+00	7.57E-01	2.60E-04	7.22E-04	4.49E-04	7.59E-01
5185	488863.09	3864877.25	7.60E-01	2.41E-04	7.36E-04	4.62E-04	7.61E-01	7.93E-01	2.46E+00	6.71E-02	1.58E-02	3.34E+00	7.91E-01	2.82E-04	7.36E-04	4.62E-04	7.93E-01
5186	489363.09	3864877.25	7.22E-01	2.61E-04	6.90E-04	4.35E-04	7.24E-01	7.54E-01	2.66E+00	6.30E-02	1.49E-02	3.50E+00	7.52E-01	3.05E-04	6.90E-04	4.35E-04	7.54E-01
5187	489863.09	3864877.25	6.77E-01	2.72E-04	6.37E-04	4.51E-04	6.79E-01	7.07E-01	2.78E+00	5.81E-02	1.54E-02	3.56E+00	7.05E-01	3.19E-04	6.37E-04	4.51E-04	7.07E-01
5188	490363.09	3864877.25	7.10E-01	2.81E-04	6.06E-04	4.53E-04	7.11E-01	7.41E-01	2.87E+00	5.53E-02	1.55E-02	3.68E+00	7.40E-01	3.28E-04	6.06E-04	4.53E-04	7.41E-01
5189	490863.09	3864877.25	7.93E-01	3.03E-04	6.51E-04	4.06E-04	7.95E-01	8.28E-01	3.09E+00	5.94E-02	1.39E-02	3.99E+00	8.26E-01	3.54E-04	6.51E-04	4.06E-04	8.28E-01
5190	491363.09	3864877.25	7.73E-01	3.40E-04	6.80E-04	4.34E-04	7.75E-01	8.07E-01	3.47E+00	6.21E-02	1.48E-02	4.36E+00	8.05E-01	3.98E-04	6.80E-04	4.34E-04	8.07E-01
5191	491863.09	3864877.25	7.99E-01	3.17E-04	6.98E-04	4.32E-04	8.00E-01	8.33E-01	3.24E+00	6.37E-02	1.48E-02	4.15E+00	8.32E-01	3.71E-04	6.98E-04	4.32E-04	8.33E-01
5192	492363.09	3864877.25	4.03E-01	6.19E-05	5.73E-04	3.99E-04	4.04E-01	4.20E-01	6.32E-01	5.23E-02	1.37E-02	1.12E+00	4.19E-01	7.24E-05	5.73E-04	3.99E-04	4.21E-01
5193	492863.09	3864877.25	5.76E-01	9.39E-05	6.18E-04	5.47E-04	5.77E-01	6.01E-01	9.60E-01	5.63E-02	1.87E-02	1.64E+00	5.99E-01	1.10E-04	6.18E-04	5.47E-04	6.01E-01
5194	493363.09	3864877.25	5.34E-01	9.26E-05	6.31E-04	6.01E-04	5.35E-01	5.57E-01	9.46E-01	5.75E-02	2.06E-02	1.58E+00	5.56E-01	1.08E-04	6.31E-04	6.01E-04	5.57E-01
5195	493863.09	3864877.25	6.83E-01	2.87E-04	6.75E-04	5.51E-04	6.85E-01	7.13E-01	2.94E+00	6.16E-02	1.88E-02	3.73E+00	7.11E-01	3.36E-04	6.75E-04	5.51E-04	7.13E-01
5196	494363.09	3864877.25	7.21E-01	2.93E-04	7.10E-04	6.70E-04	7.23E-01	7.53E-01	2.99E+00	6.48E-02	2.29E-02	3.83E+00	7.51E-01	3.43E-04	7.10E-04	6.70E-04	7.53E-01
5197	494863.09	3864877.25	7.53E-01	3.01E-04	7.21E-04	7.44E-04	7.55E-01	7.86E-01	3.08E+00	6.57E-02	2.54E-02	3.96E+00	7.84E-01	3.53E-04	7.21E-04	7.44E-04	7.86E-01
5198	495363.09	3864877.25	7.33E-01	2.93E-04	8.92E-04	6.53E-04	7.35E-01	7.65E-01	2.99E+00	8.14E-02	2.23E-02	3.86E+00	7.63E-01	3.42E-04	8.92E-04	6.53E-04	7.65E-01
5199	495863.09	3864877.25	7.14E-01	3.00E-04	1.05E-03	6.21E-04	7.16E-01	7.45E-01	3.07E+00	9.56E-02	2.12E-02	3.93E+00	7.43E-01	3.51E-04	1.05E-03	6.21E-04	7.45E-01
5200	496363.09	3864877.25	5.92E-01	2.83E-04	1.35E-03	5.31E-04	5.94E-01	6.18E-01	2.90E+00	1.23E-01	1.81E-02	3.65E+00	6.17E-01	3.32E-04	1.35E-03	5.31E-04	6.19E-01
5201	496863.09	3864877.25	5.52E-01	2.70E-04	1.30E-03	5.13E-04	5.54E-01	5.76E-01	2.76E+00	1.18E-01	1.75E-02	3.48E+00	5.74E-01	3.16E-04	1.30E-03	5.13E-04	5.77E-01
5202	497363.09	3864877.25	5.03E-01	2.58E-04	1.20E-03	5.69E-04	5.05E-01	5.25E-01	2.64E+00	1.10E-01	1.95E-02	3.29E+00	5.24E-01	3.02E-04	1.20E-03	5.69E-04	5.26E-01
5203	497863.09	3864877.25	5.10E-01	2.59E-04	1.27E-03	5.97E-04	5.13E-01	5.33E-01	2.65E+00	1.16E-01	2.04E-02	3.32E+00	5.32E-01	3.03E-04	1.27E-03	5.97E-04	5.34E-01
5204	498363.09	3864877.25	5.48E-01	2.46E-04	1.05E-03	6.85E-04	5.50E-01	5.72E-01	2.51E+00	9.56E-02	2.34E-02	3.20E+00	5.71E-01	2.88E-04	1.05E-03	6.85E-04	5.73E-01
5205	471363.09	3865377.25	2.78E-01	8.69E-05	9.18E-04	1.16E-03	2.80E-01	2.90E-01	8.88E-01	8.37E-02	3.97E-02	1.30E+00	2.89E-01	1.02E-04	9.18E-04	1.16E-03	2.91E-01
5206	471863.09	3865377.25	2.75E-01	8.65E-05	9.05E-04	1.12E-03	2.77E-01	2.87E-01	8.83E-01	8.26E-02	3.81E-02	1.29E+00	2.87E-01	1.01E-04	9.05E-04	1.12E-03	2.89E-01
5207	472363.09	3865377.25	2.66E-01	9.06E-05	9.33E-04	1.08E-03	2.68E-01	2.77E-01	9.26E-01	8.51E-02	3.68E-02	1.33E+00	2.77E-01	1.06E-04	9.33E-04	1.08E-03	2.79E-01
5208	472863.09	3865377.25	2.83E-01	9.42E-05	9.20E-04	1.07E-03	2.85E-01	2.95E-01	9.62E-01	8.39E-02	3.66E-02	1.38E+00	2.94E-01	1.10E-04	9.20E-04	1.07E-03	2.96E-01
5209	473363.09	3865377.25	2.87E-01	9.61E-05	9.10E-04	1.06E-03	2.89E-01	2.99E-01	9.82E-01	8.30E-02	3.63E-02	1.40E+00	2.99E-01	1.12E-04	9.10E-04	1.06E-03	3.01E-01
5210	473863.09	3865377.25	3.11E-01	9.60E-05	8.22E-04	1.12E-03	3.13E-01	3.24E-01	9.81E-01	7.49E-02	3.83E-02	1.42E+00	3.24E-01	1.12E-04	8.22E-04	1.12E-03	3.26E-01
5211	474363.09	3865377.25	3.23E-01	9.63E-05	7.41E-04	1.12E-03	3.25E-01	3.37E-01	9.83E-01	6.75E-02	3.82E-02	1.43E+00	3.37E-01	1.13E-04	7.41E-04	1.12E-03	3.39E-01
5212	474863.09	3865377.25	3.23E-01	1.00E-04	7.52E-04	1.19E-03	3.25E-01	3.37E-01	1.02E+00	6.86E-02	4.06E-02	1.47E+00	3.37E-01	1.17E-04	7.52E-04	1.19E-03	3.39E-01
5213	475363.09	3865377.25	3.28E-01	1.00E-04	7.44E-04	1.20E-03	3.30E-01	3.42E-01	1.02E+00	6.79E-02	4.11E-02	1.47E+00	3.42E-01	1.17E-04	7.44E-04	1.20E-03	3.44E-01
5214	475863.09	3865377.25	3.35E-01	1.02E-04	7.66E-04	1.16E-03	3.37E-01	3.50E-01	1.05E+00	6.99E-02	3.98E-02	1.50E+00	3.49E-01	1.20E-04	7.66E-04	1.16E-03	3.51E-01
5215	476363.09	3865377.25	3.47E-01	1.02E-04	7.28E-04	1.12E-03	3.49E-01	3.63E-01	1.04E+00	6.64E-02	3.85E-02	1.51E+00	3.62E-01	1.19E-04	7.28E-04	1.12E-03	3.64E-01
5216	476863.09	3865377.25	3.70E-01	9.11E-05	5.90E-04	1.05E-03	3.72E-01	3.86E-01	9.31E-01	5.38E-02	3.58E-02	1.41E+00	3.86E-01	1.07E-04	5.90E-04	1.05E-03	3.87E-01
5217	477363.09	3865377.25	3.69E-01	1.07E-04	6.21E-04	1.18E-03	3.71E-01	3.85E-01	1.09E+00	5.67E-02	4.04E-02	1.58E+00	3.84E-01	1.25E-04	6.21E-04	1.18E-03	3.86E-01
5218	477863.09	3865377.25	3.69E-01	1.06E-04	7.00E-04	1.35E-03	3.71E-01	3.85E-01	1.08E+00	6.39E-02	4.63E-02	1.58E+00	3.85E-01	1.24E-04	7.00E-04	1.35E-03	3.87E-01
5219	478363.09	3865377.25	3.63E-01	1.04E-04	6.66E-04	1.30E-03	3.66E-01	3.79E-01	1.06E+00	6.07E-02	4.45E-02	1.54E+00	3.78E-01	1.21E-04	6.66E-04	1.30E-03	3.81E-01
5220	478863.09	3865377.25	3.63E-01	1.03E-04	6.97E-04	1.10E-03	3.65E-01	3.79E-01	1.05E+00	6.36E-02	3.75E-02	1.53E+00	3.78E-01	1.20E-04	6.97E-04	1.10E-03	3.80E-01
5221	479363.09	3865377.25	3.76E-01	1.05E-04	7.18E-04	9.76E-04	3.77E-01	3.92E-01	1.07E+00	6.55E-02	3.34E-02	1.56E+00	3.91E-01	1.23E-04	7.18E-04	9.76E-04	3.93E-01
5222	479863.09	3865377.25	4.03E-01	1.10E-04	7.75E-04	9.31E-04	4.05E-01	4.20E-01	1.12E+00	7.07E-02	3.19E-02	1.65E+00	4.19E-01	1.29E-04	7.75E-04	9.31E-04	4.21E-01
5223	480363.09	3865377.25	4.27E-01	1.10E-04	6.77E-04	1.09E-03	4.28E-01	4.45E-01	1.12E+00	6.17E-02	3.73E-02	1.66E+00	4.44E-01	1.28E-04	6.77E-04	1.09E-03	4.46E-01
5224	480863.09	3865377.25	4.56E-01	1.13E-04	6.38E-04	8.11E-04	4.58E-01	4.76E-01	1.16E+00	5.82E-02	2.78E-02	1.72E+00	4.75E-01	1.33E-04	6.38E-04	8.11E-04	4.77E-01
5225	481363.09	3865377.25	4.43E-01	1.19E-04	6.21E-04	8.30E-04	4.45E-01	4.63E-01	1.22E+00	5.66E-02	2.84E-02	1.76E+00	4.62E-01	1.39E-04	6.21E-04	8.30E-04	4.63E-01
5226	481863.09	3865377.25	4.47E-01	1.20E-04	5.99E-04	7.57E-04	4.49E-01	4.67E-01	1.23E+00	5.46E-02	2.59E-02	1.77E+00	4.66E-01	1.40E-04	5.99E-04	7.57E-04	4.67E-01
5227	482363.09	3865377.25	4.49E-01	1.28E-04	7.23E-04	7.38E-04	4.51E-01	4.68E-01	1.31E+00	6.60E-02	2.52E-02	1.87E+00	4.68E-01	1.50E-04	7.23E-04	7.38E-04	4.69E-01
5228	482863.09	3865377.25	4.57E-01	1.36E-04	6.65E-04	6.72E-04	4.59E-01	4.77E-01	1.39E+00	6.07E-02	2.30E-02	1.96E+00	4.76E-01	1.60E-04	6.65E-04	6.72E-04	4.78E-01
5229	483363.09	3865377.25	5.02E-01	1.43E-04	8.29E-04	6.46E-04	5.03E-01	5.24E-01	1.46E+00	7.56E-02	2.21E-02	2.08E+00	5.23E-01	1.67E-04	8.29E-04	6.46E-04	5.24E-01
5230	483863.09	3865377.25	5.02E-01	1.44E-04	8.04E-04	7.48E-04	5.04E-01	5.24E-01	1.48E+00	7.33E-02	2.56E-02	2.10E+00	5.23E-01	1.69E-04	8.04E-04	7.48E-04	5.24E-01
5231	484363.09	3865377.25	5.16E-01	1.49E-04	6.54E-04	8.57E-04	5.17E-01	5.38E-01	1.52E+00	5.97E-02	2.93E-02	2.15E+00	5.37E-01	1.74E-04	6.54E-04	8.57E-04	5.39E-01
5232	484863.09	3865377.25	4.93E-01	1.66E-04	6.78E-04	7.64E-04	4.94E-01	5.14E-01	1.69E+00	6.19E-02	2.61E-02	2.30E+00	5.13E-01	1.94E-04	6.78E-04	7.64E-04	5.15E-01
5233	485363.09	3865377.25	4.90E-01	1.73E-04	6.80E-04	6.75E-04	4.92E-01	5.11E-01	1.76E+00	6.20E-02	2.31E-02	2.36E+00	5.10E-01	2.02E-04	6.80E-04	6.75E-04	5.12E-01
5234	485863.09	3865377.25	5.15E-01	1.70E-04	6.29E-04	5.37E-04	5.16E-01	5.37E-01	1.74E+00	5.74E-02	1.84E-02	2.35E+00	5.36E-01	1.99E-04	6.29E-04	5.37E-04	5.38E-01
5235	486363.09	3865377.25	5.42E-01	1.70E-04	6.17E-04	4.53E-04	5.43E-01	5.65E-01	1.74E+00	5.63E-02	1.55E-02	2.38E+00	5.64E-01	1.99E-04	6.17E-04	4.53E-04	5.66E-01
5236	486863.09	3865377.25	5.42E-01	2.04E-04	6.03E-04	4.91E-04	5.44E-01	5.66E-01	2.09E+00	5.50E-02	1.68E-02	2.72E+00	5.65E-01	2.39E-04	6.03E-04	4.91E-04	5.66E-01
5237	487363.09	3865377.25	5.50E-01	1.97E-04	6.66E-04	4.00E-04	5.51E-01	5.74E-01	2.01E+00	6.07E-02	1.37E-02	2.66E+00	5.73E-01	2.30E-04	6.66E-04	4.00E-04	5.74E-01
5238	487863.09	3865377.25	5.85E-01	1.96E-04	6.78E-04	3.92E-04	5.86E-01	6.11E-01	2.01E+00	6.18E-02	1.34E-02	2.69E+00	6.09E-01	2.30E-04	6.78E-04	3.92E-04	6.11E-01
5239	488363.09	3865377.25	6.58E-01	2.05E-04	6.79E-04	3.96E-04	6.59E-01	6.86E-01	2.09E+00	6.19E-02	1.35E-02	2.85E+00	6.85E-01	2.39E-04	6.79E-04	3.96E-04	6.86E-01
5240	488863.09	3865377.25	7.10E-01	2.19E-04	6.88E-04	4.13E-04	7.11E-01	7.41E-01	2.23E+00	6.28E-02	1.41E-02	3.05E+00	7.39E-01	2.56E-04	6.88E-04	4.13E-04	7.41E-01
5241	489363.09	3865377.25	7.00E-01	2.35E-04	6.57E-04	4.03E-04	7.02E-01	7.31E-01	2.40E+00	5.99E-02	1.38E-02	3.20E+00	7.29E-01	2.75E-04	6.57E-04	4.03E-04	7.31E-01
5242	489863.09	3865377.25	6.84E-01	2.46E-04	6.50E-04	3.76E-04	6.86E-01	7.14E-01	2.51E+00	5.93E-02	1.29E-02	3.30E+00	7.13E-01	2.87E-04	6.50E-04	3.76E-04	7.14E-01

5243	490363.09	3865377.25	6.33E-01	2.42E-04	5.80E-04	4.21E-04	6.34E-01	6.60E-01	2.48E+00	5.29E-02	1.44E-02	3.20E+00	6.59E-01	2.83E-04	5.80E-04	4.21E-04	6.60E-01
5244	490863.09	3865377.25	7.05E-01	2.54E-04	5.65E-04	4.04E-04	7.06E-01	7.35E-01	2.60E+00	5.15E-02	1.38E-02	3.40E+00	7.34E-01	2.97E-04	5.65E-04	4.04E-04	7.35E-01
5245	491363.09	3865377.25	7.55E-01	2.68E-04	5.66E-04	3.57E-04	7.56E-01	7.88E-01	2.73E+00	5.16E-02	1.22E-02	3.59E+00	7.86E-01	3.13E-04	5.66E-04	3.57E-04	7.88E-01
5246	491863.09	3865377.25	7.54E-01	2.70E-04	5.84E-04	3.93E-04	7.56E-01	7.87E-01	2.76E+00	5.33E-02	1.35E-02	3.61E+00	7.86E-01	3.16E-04	5.84E-04	3.93E-04	7.87E-01
5247	492363.09	3865377.25	6.77E-01	1.86E-04	6.49E-04	3.80E-04	6.78E-01	7.07E-01	1.90E+00	5.92E-02	1.30E-02	2.68E+00	7.05E-01	2.17E-04	6.49E-04	3.80E-04	7.06E-01
5248	492863.09	3865377.25	6.67E-01	1.11E-04	5.76E-04	3.69E-04	6.68E-01	6.96E-01	1.14E+00	5.25E-02	1.26E-02	1.90E+00	6.94E-01	1.30E-04	5.76E-04	3.69E-04	6.95E-01
5249	493363.09	3865377.25	5.17E-01	8.56E-05	5.73E-04	4.92E-04	5.18E-01	5.40E-01	8.74E-01	5.23E-02	1.68E-02	1.48E+00	5.38E-01	1.00E-04	5.73E-04	4.92E-04	5.40E-01
5250	493863.09	3865377.25	7.41E-01	1.81E-04	6.24E-04	5.37E-04	7.42E-01	7.73E-01	1.84E+00	5.69E-02	1.84E-02	2.69E+00	7.71E-01	2.11E-04	6.24E-04	5.37E-04	7.73E-01
5251	494363.09	3865377.25	5.95E-01	2.97E-04	6.33E-04	4.79E-04	5.96E-01	6.21E-01	3.03E+00	5.78E-02	1.64E-02	3.73E+00	6.20E-01	3.47E-04	6.33E-04	4.79E-04	6.21E-01
5252	494863.09	3865377.25	6.79E-01	2.75E-04	6.63E-04	5.98E-04	6.80E-01	7.08E-01	2.81E+00	6.05E-02	2.04E-02	3.60E+00	7.07E-01	3.21E-04	6.63E-04	5.98E-04	7.08E-01
5253	495363.09	3865377.25	6.89E-01	2.90E-04	6.56E-04	6.63E-04	6.90E-01	7.19E-01	2.96E+00	5.98E-02	2.27E-02	3.76E+00	7.17E-01	3.39E-04	6.56E-04	6.63E-04	7.19E-01
5254	495863.09	3865377.25	6.72E-01	2.61E-04	8.19E-04	6.03E-04	6.74E-01	7.01E-01	2.66E+00	7.47E-02	2.06E-02	3.46E+00	7.00E-01	3.05E-04	8.19E-04	6.03E-04	7.02E-01
5255	496363.09	3865377.25	6.83E-01	2.80E-04	7.84E-04	5.60E-04	6.85E-01	7.13E-01	2.86E+00	7.15E-02	1.91E-02	3.66E+00	7.11E-01	3.27E-04	7.84E-04	5.60E-04	7.13E-01
5256	496863.09	3865377.25	5.52E-01	2.62E-04	1.18E-03	5.03E-04	5.54E-01	5.76E-01	2.68E+00	1.08E-01	1.72E-02	3.38E+00	5.75E-01	3.07E-04	1.18E-03	5.03E-04	5.77E-01
5257	497363.09	3865377.25	4.96E-01	2.52E-04	1.27E-03	4.61E-04	4.98E-01	5.18E-01	2.57E+00	1.16E-01	1.58E-02	3.22E+00	5.17E-01	2.95E-04	1.27E-03	4.61E-04	5.19E-01
5258	497863.09	3865377.25	4.94E-01	2.32E-04	1.15E-03	4.40E-04	4.96E-01	5.15E-01	2.37E+00	1.05E-01	1.51E-02	3.00E+00	5.14E-01	2.71E-04	1.15E-03	4.40E-04	5.16E-01
5259	498363.09	3865377.25	4.52E-01	2.38E-04	1.05E-03	4.65E-04	4.54E-01	4.72E-01	2.43E+00	9.56E-02	1.59E-02	3.02E+00	4.71E-01	2.79E-04	1.05E-03	4.65E-04	4.73E-01
5260	471363.09	3865877.25	2.54E-01	8.54E-05	8.72E-04	1.02E-03	2.56E-01	2.65E-01	8.73E-01	7.95E-02	3.49E-02	1.25E+00	2.64E-01	1.00E-04	8.72E-04	1.02E-03	2.66E-01
5261	471863.09	3865877.25	2.54E-01	8.80E-05	8.71E-04	1.01E-03	2.56E-01	2.65E-01	8.99E-01	7.94E-02	3.45E-02	1.28E+00	2.65E-01	1.03E-04	8.71E-04	1.01E-03	2.67E-01
5262	472363.09	3865877.25	2.68E-01	9.03E-05	8.36E-04	1.03E-03	2.70E-01	2.79E-01	9.23E-01	7.63E-02	3.53E-02	1.31E+00	2.79E-01	1.06E-04	8.36E-04	1.03E-03	2.81E-01
5263	472863.09	3865877.25	2.70E-01	8.91E-05	7.73E-04	1.08E-03	2.72E-01	2.82E-01	9.11E-01	7.05E-02	3.70E-02	1.30E+00	2.81E-01	1.04E-04	7.73E-04	1.08E-03	2.83E-01
5264	473363.09	3865877.25	2.96E-01	8.82E-05	6.70E-04	1.08E-03	2.98E-01	3.09E-01	9.01E-01	6.11E-02	3.69E-02	1.31E+00	3.09E-01	1.03E-04	6.70E-04	1.08E-03	3.11E-01
5265	473863.09	3865877.25	3.01E-01	9.19E-05	6.84E-04	1.09E-03	3.03E-01	3.14E-01	9.39E-01	6.24E-02	3.72E-02	1.35E+00	3.14E-01	1.08E-04	6.84E-04	1.09E-03	3.15E-01
5266	474363.09	3865877.25	3.10E-01	9.28E-05	6.74E-04	1.14E-03	3.12E-01	3.24E-01	9.48E-01	6.15E-02	3.90E-02	1.37E+00	3.23E-01	1.09E-04	6.74E-04	1.14E-03	3.25E-01
5267	474863.09	3865877.25	3.14E-01	9.57E-05	7.16E-04	1.09E-03	3.16E-01	3.28E-01	9.78E-01	6.53E-02	3.72E-02	1.41E+00	3.27E-01	1.12E-04	7.16E-04	1.09E-03	3.29E-01
5268	475363.09	3865877.25	3.19E-01	9.63E-05	6.95E-04	1.00E-03	3.20E-01	3.32E-01	9.84E-01	6.33E-02	3.43E-02	1.41E+00	3.32E-01	1.13E-04	6.95E-04	1.00E-03	3.34E-01
5269	475863.09	3865877.25	3.25E-01	9.64E-05	6.76E-04	1.00E-03	3.26E-01	3.39E-01	9.85E-01	6.16E-02	3.42E-02	1.42E+00	3.38E-01	1.13E-04	6.76E-04	1.00E-03	3.40E-01
5270	476363.09	3865877.25	3.47E-01	9.56E-05	5.62E-04	1.08E-03	3.49E-01	3.62E-01	9.76E-01	5.13E-02	3.69E-02	1.43E+00	3.61E-01	1.12E-04	5.62E-04	1.08E-03	3.63E-01
5271	476863.09	3865877.25	3.53E-01	8.82E-05	5.84E-04	1.07E-03	3.55E-01	3.69E-01	9.01E-01	5.33E-02	3.68E-02	1.36E+00	3.68E-01	1.03E-04	5.84E-04	1.07E-03	3.70E-01
5272	477363.09	3865877.25	3.60E-01	9.83E-05	6.60E-04	1.33E-03	3.62E-01	3.75E-01	1.00E+00	6.02E-02	4.54E-02	1.48E+00	3.74E-01	1.15E-04	6.60E-04	1.33E-03	3.77E-01
5273	477863.09	3865877.25	3.44E-01	9.41E-05	6.12E-04	1.30E-03	3.46E-01	3.59E-01	9.62E-01	5.58E-02	4.44E-02	1.42E+00	3.58E-01	1.10E-04	6.12E-04	1.30E-03	3.60E-01
5274	478363.09	3865877.25	3.42E-01	9.69E-05	6.45E-04	1.06E-03	3.43E-01	3.56E-01	9.90E-01	5.88E-02	3.62E-02	1.44E+00	3.56E-01	1.13E-04	6.45E-04	1.06E-03	3.58E-01
5275	478863.09	3865877.25	3.49E-01	9.66E-05	6.66E-04	9.15E-04	3.51E-01	3.64E-01	9.87E-01	6.07E-02	3.13E-02	1.44E+00	3.64E-01	1.13E-04	6.66E-04	9.15E-04	3.65E-01
5276	479363.09	3865877.25	3.66E-01	9.97E-05	7.06E-04	9.72E-04	3.68E-01	3.82E-01	1.02E+00	6.44E-02	3.32E-02	1.50E+00	3.81E-01	1.17E-04	7.06E-04	9.72E-04	3.83E-01
5277	479863.09	3865877.25	3.84E-01	1.04E-04	6.26E-04	9.19E-04	3.85E-01	4.00E-01	1.06E+00	5.71E-02	3.14E-02	1.55E+00	4.00E-01	1.22E-04	6.26E-04	9.19E-04	4.01E-01
5278	480363.09	3865877.25	4.28E-01	1.06E-04	5.93E-04	8.64E-04	4.30E-01	4.47E-01	1.09E+00	5.41E-02	2.96E-02	1.62E+00	4.46E-01	1.24E-04	5.93E-04	8.64E-04	4.48E-01
5279	480863.09	3865877.25	4.19E-01	1.10E-04	5.83E-04	6.91E-04	4.20E-01	4.37E-01	1.13E+00	5.32E-02	2.36E-02	1.64E+00	4.36E-01	1.29E-04	5.83E-04	6.91E-04	4.37E-01
5280	481363.09	3865877.25	4.23E-01	1.11E-04	5.62E-04	6.92E-04	4.24E-01	4.41E-01	1.13E+00	5.13E-02	2.37E-02	1.65E+00	4.40E-01	1.30E-04	5.62E-04	6.92E-04	4.42E-01
5281	481863.09	3865877.25	4.32E-01	1.16E-04	6.35E-04	6.79E-04	4.33E-01	4.50E-01	1.18E+00	5.79E-02	2.32E-02	1.72E+00	4.49E-01	1.36E-04	6.35E-04	6.79E-04	4.51E-01
5282	482363.09	3865877.25	4.18E-01	1.23E-04	6.15E-04	6.47E-04	4.20E-01	4.37E-01	1.25E+00	5.60E-02	2.21E-02	1.77E+00	4.36E-01	1.44E-04	6.15E-04	6.47E-04	4.37E-01
5283	482863.09	3865877.25	4.49E-01	1.32E-04	6.97E-04	5.82E-04	4.51E-01	4.69E-01	1.34E+00	6.36E-02	1.99E-02	1.90E+00	4.68E-01	1.54E-04	6.97E-04	5.82E-04	4.69E-01
5284	483363.09	3865877.25	4.64E-01	1.33E-04	7.83E-04	6.27E-04	4.66E-01	4.84E-01	1.36E+00	7.14E-02	2.14E-02	1.94E+00	4.83E-01	1.56E-04	7.83E-04	6.27E-04	4.85E-01
5285	483863.09	3865877.25	4.85E-01	1.35E-04	6.13E-04	6.98E-04	4.87E-01	5.06E-01	1.38E+00	5.59E-02	2.39E-02	1.97E+00	5.05E-01	1.58E-04	6.13E-04	6.98E-04	5.07E-01
5286	484363.09	3865877.25	4.91E-01	1.42E-04	6.50E-04	7.44E-04	4.93E-01	5.12E-01	1.45E+00	5.93E-02	2.54E-02	2.04E+00	5.11E-01	1.66E-04	6.50E-04	7.44E-04	5.13E-01
5287	484863.09	3865877.25	4.72E-01	1.58E-04	6.20E-04	5.92E-04	4.73E-01	4.92E-01	1.61E+00	5.65E-02	2.02E-02	2.18E+00	4.91E-01	1.85E-04	6.20E-04	5.92E-04	4.93E-01
5288	485363.09	3865877.25	4.66E-01	1.66E-04	6.03E-04	6.23E-04	4.68E-01	4.87E-01	1.70E+00	5.50E-02	2.13E-02	2.26E+00	4.86E-01	1.94E-04	6.03E-04	6.23E-04	4.87E-01
5289	485863.09	3865877.25	4.92E-01	1.53E-04	5.92E-04	5.50E-04	4.93E-01	5.13E-01	1.56E+00	5.40E-02	1.88E-02	2.14E+00	5.12E-01	1.79E-04	5.92E-04	5.50E-04	5.13E-01
5290	486363.09	3865877.25	5.03E-01	1.63E-04	5.82E-04	4.20E-04	5.04E-01	5.24E-01	1.66E+00	5.30E-02	1.44E-02	2.25E+00	5.23E-01	1.90E-04	5.82E-04	4.20E-04	5.25E-01
5291	486863.09	3865877.25	5.14E-01	1.81E-04	5.62E-04	4.60E-04	5.15E-01	5.36E-01	1.85E+00	5.13E-02	1.57E-02	2.45E+00	5.35E-01	2.12E-04	5.62E-04	4.60E-04	5.36E-01
5292	487363.09	3865877.25	5.16E-01	1.76E-04	6.28E-04	4.07E-04	5.18E-01	5.39E-01	1.80E+00	5.73E-02	1.39E-02	2.41E+00	5.38E-01	2.06E-04	6.28E-04	4.07E-04	5.39E-01
5293	487863.09	3865877.25	5.50E-01	1.79E-04	6.42E-04	3.61E-04	5.51E-01	5.74E-01	1.83E+00	5.85E-02	1.23E-02	2.47E+00	5.73E-01	2.09E-04	6.42E-04	3.61E-04	5.74E-01
5294	488363.09	3865877.25	5.88E-01	1.92E-04	6.39E-04	3.68E-04	5.89E-01	6.13E-01	1.96E+00	5.83E-02	1.26E-02	2.64E+00	6.12E-01	2.24E-04	6.39E-04	3.68E-04	6.14E-01
5295	488863.09	3865877.25	6.51E-01	1.99E-04	6.47E-04	3.59E-04	6.53E-01	6.80E-01	2.03E+00	5.90E-02	1.23E-02	2.79E+00	6.78E-01	2.33E-04	6.47E-04	3.59E-04	6.80E-01
5296	489363.09	3865877.25	6.36E-01	2.13E-04	6.30E-04	3.78E-04	6.38E-01	6.64E-01	2.17E+00	5.74E-02	1.29E-02	2.91E+00	6.63E-01	2.49E-04	6.30E-04	3.78E-04	6.64E-01
5297	489863.09	3865877.25	6.31E-01	2.30E-04	6.23E-04	3.46E-04	6.32E-01	6.58E-01	2.35E+00	5.68E-02	1.18E-02	3.08E+00	6.57E-01	2.69E-04	6.23E-04	3.46E-04	6.58E-01
5298	490363.09	3865877.25	5.88E-01	2.31E-04	5.96E-04	3.66E-04	5.89E-01	6.14E-01	2.36E+00	5.44E-02	1.25E-02	3.05E+00	6.12E-01	2.71E-04	5.96E-04	3.66E-04	6.14E-01
5299	490863.09	3865877.25	6.26E-01	2.29E-04	5.35E-04	3.79E-04	6.28E-01	6.54E-01	2.34E+00	4.88E-02	1.30E-02	3.05E+00	6.52E-01	2.68E-04	5.35E-04	3.79E-04	6.54E-01
5300	491363.09	3865877.25	7.45E-01	2.19E-04	5.35E-04	3.45E-04	7.46E-01	7.78E-01	2.24E+00	4.88E-02	1.18E-02	3.08E+00	7.76E-01	2.57E-04	5.35E-04	3.45E-04	7.77E-01
5301	491863.09	3865877.25	7.55E-01	2.31E-04	5.54E-04	3.37E-04	7.56E-01	7.87E-01	2.36E+00	5.05E-02	1.15E-02	3.21E+00	7.86E-01	2.71E-04	5.54E-04	3.37E-04	7.87E-01
5302	492363.09	3865877.25	7.31E-01	2.11E-04	5.80E-04	3.55E-04	7.32E-01	7.62E-01	2.15E+00	5.29E-02	1.21E-02	2.98E+00	7.61E-01	2.47E-04	5.80E-04	3.55E-04	7.62E-01
5303	492863.09	3865877.25	5.11E-01	1.22E-04	5.44E-04	3.39E-04	5.12E-01	5.34E-01	1.25E+00	4.96E-02	1.16E-02	1.84E+00	5.33E-01	1.43E-04	5.44E-04	3.39E-04	5.34E-01

5304	493363.09	3865877.25	6.69E-01	1.20E-04	5.65E-04	3.47E-04	6.70E-01	6.98E-01	1.22E+00	5.15E-02	1.19E-02	1.99E+00	6.97E-01	1.40E-04	5.65E-04	3.47E-04	6.98E-01
5305	493863.09	3865877.25	7.22E-01	1.85E-04	5.32E-04	4.49E-04	7.23E-01	7.53E-01	1.89E+00	4.85E-02	1.53E-02	2.71E+00	7.52E-01	2.17E-04	5.32E-04	4.49E-04	7.53E-01
5306	494363.09	3865877.25	6.85E-01	2.48E-04	5.91E-04	4.83E-04	6.86E-01	7.15E-01	2.54E+00	5.39E-02	1.65E-02	3.32E+00	7.13E-01	2.91E-04	5.91E-04	4.83E-04	7.15E-01
5307	494863.09	3865877.25	5.22E-01	3.17E-04	6.07E-04	4.36E-04	5.23E-01	5.44E-01	3.24E+00	5.54E-02	1.49E-02	3.85E+00	5.43E-01	3.71E-04	6.07E-04	4.36E-04	5.45E-01
5308	495363.09	3865877.25	5.85E-01	2.73E-04	6.13E-04	4.95E-04	5.86E-01	6.10E-01	2.79E+00	5.59E-02	1.69E-02	3.48E+00	6.09E-01	3.20E-04	6.13E-04	4.95E-04	6.10E-01
5309	495863.09	3865877.25	6.38E-01	2.58E-04	6.15E-04	6.00E-04	6.40E-01	6.66E-01	2.63E+00	5.61E-02	2.05E-02	3.38E+00	6.64E-01	3.02E-04	6.15E-04	6.00E-04	6.66E-01
5310	496363.09	3865877.25	6.44E-01	2.32E-04	7.27E-04	5.67E-04	6.46E-01	6.72E-01	2.37E+00	6.63E-02	1.94E-02	3.13E+00	6.71E-01	2.72E-04	7.27E-04	5.67E-04	6.72E-01
5311	496863.09	3865877.25	6.87E-01	2.32E-04	7.20E-04	5.18E-04	6.88E-01	7.17E-01	2.37E+00	6.57E-02	1.77E-02	3.17E+00	7.15E-01	2.71E-04	7.20E-04	5.18E-04	7.17E-01
5312	497363.09	3865877.25	5.01E-01	2.43E-04	9.57E-04	4.99E-04	5.02E-01	5.22E-01	2.49E+00	8.73E-02	1.71E-02	3.11E+00	5.21E-01	2.85E-04	9.57E-04	4.99E-04	5.23E-01
5313	497863.09	3865877.25	4.60E-01	2.28E-04	1.19E-03	4.29E-04	4.62E-01	4.80E-01	2.33E+00	1.08E-01	1.47E-02	2.94E+00	4.79E-01	2.67E-04	1.19E-03	4.29E-04	4.81E-01
5314	498363.09	3865877.25	5.41E-01	2.17E-04	9.54E-04	4.05E-04	5.43E-01	5.65E-01	2.21E+00	8.70E-02	1.38E-02	2.88E+00	5.64E-01	2.53E-04	9.54E-04	4.05E-04	5.65E-01
5315	471363.09	3866377.25	2.49E-01	8.44E-05	7.72E-04	1.02E-03	2.51E-01	2.60E-01	8.62E-01	7.04E-02	3.50E-02	1.23E+00	2.60E-01	9.87E-05	7.72E-04	1.02E-03	2.61E-01
5316	471863.09	3866377.25	2.55E-01	8.54E-05	7.35E-04	1.04E-03	2.57E-01	2.66E-01	8.73E-01	6.70E-02	3.57E-02	1.24E+00	2.65E-01	9.99E-05	7.35E-04	1.04E-03	2.67E-01
5317	472363.09	3866377.25	2.66E-01	8.47E-05	6.41E-04	1.07E-03	2.68E-01	2.78E-01	8.65E-01	5.85E-02	3.67E-02	1.24E+00	2.77E-01	9.90E-05	6.41E-04	1.07E-03	2.79E-01
5318	472863.09	3866377.25	2.86E-01	8.48E-05	6.00E-04	1.04E-03	2.87E-01	2.98E-01	8.66E-01	5.47E-02	3.56E-02	1.25E+00	2.97E-01	9.92E-05	6.00E-04	1.04E-03	2.99E-01
5319	473363.09	3866377.25	2.87E-01	8.68E-05	6.16E-04	1.06E-03	2.88E-01	2.99E-01	8.87E-01	5.62E-02	3.63E-02	1.28E+00	2.99E-01	1.02E-04	6.16E-04	1.06E-03	3.00E-01
5320	473863.09	3866377.25	2.93E-01	8.87E-05	6.61E-04	1.09E-03	2.95E-01	3.06E-01	9.06E-01	6.03E-02	3.73E-02	1.31E+00	3.05E-01	1.04E-04	6.61E-04	1.09E-03	3.07E-01
5321	474363.09	3866377.25	2.95E-01	9.04E-05	6.66E-04	9.96E-04	2.97E-01	3.08E-01	9.23E-01	6.08E-02	3.41E-02	1.33E+00	3.07E-01	1.06E-04	6.66E-04	9.96E-04	3.09E-01
5322	474863.09	3866377.25	3.05E-01	9.08E-05	6.35E-04	9.53E-04	3.07E-01	3.18E-01	9.28E-01	5.79E-02	3.26E-02	1.34E+00	3.18E-01	1.06E-04	6.35E-04	9.53E-04	3.19E-01
5323	475363.09	3866377.25	3.06E-01	9.07E-05	5.82E-04	9.42E-04	3.08E-01	3.20E-01	9.27E-01	5.31E-02	3.22E-02	1.33E+00	3.19E-01	1.06E-04	5.82E-04	9.42E-04	3.21E-01
5324	475863.09	3866377.25	3.14E-01	9.02E-05	5.40E-04	1.04E-03	3.16E-01	3.28E-01	9.21E-01	4.92E-02	3.55E-02	1.33E+00	3.27E-01	1.05E-04	5.40E-04	1.04E-03	3.29E-01
5325	476363.09	3866377.25	3.33E-01	8.85E-05	5.74E-04	1.12E-03	3.34E-01	3.47E-01	9.04E-01	5.24E-02	3.83E-02	1.34E+00	3.46E-01	1.04E-04	5.74E-04	1.12E-03	3.48E-01
5326	476863.09	3866377.25	3.55E-01	7.71E-05	5.82E-04	1.12E-03	3.57E-01	3.71E-01	7.87E-01	5.30E-02	3.83E-02	1.25E+00	3.70E-01	9.01E-05	5.82E-04	1.12E-03	3.72E-01
5327	477363.09	3866377.25	3.35E-01	8.53E-05	6.00E-04	1.25E-03	3.37E-01	3.50E-01	8.71E-01	5.47E-02	4.26E-02	1.32E+00	3.49E-01	9.98E-05	6.00E-04	1.25E-03	3.51E-01
5328	477863.09	3866377.25	3.33E-01	8.64E-05	6.13E-04	1.00E-03	3.35E-01	3.48E-01	8.83E-01	5.59E-02	3.43E-02	1.32E+00	3.47E-01	1.01E-04	6.13E-04	1.00E-03	3.49E-01
5329	478363.09	3866377.25	3.26E-01	9.03E-05	6.11E-04	9.16E-04	3.28E-01	3.40E-01	9.22E-01	5.57E-02	3.13E-02	1.35E+00	3.40E-01	1.06E-04	6.11E-04	9.16E-04	3.41E-01
5330	478863.09	3866377.25	3.47E-01	9.37E-05	6.40E-04	8.68E-04	3.49E-01	3.62E-01	9.58E-01	5.84E-02	2.97E-02	1.41E+00	3.62E-01	1.10E-04	6.40E-04	8.68E-04	3.63E-01
5331	479363.09	3866377.25	3.64E-01	9.97E-05	5.91E-04	8.27E-04	3.66E-01	3.80E-01	1.02E+00	5.39E-02	2.83E-02	1.48E+00	3.79E-01	1.17E-04	5.91E-04	8.27E-04	3.81E-01
5332	479863.09	3866377.25	3.89E-01	1.00E-04	5.63E-04	8.43E-04	3.90E-01	4.06E-01	1.03E+00	5.14E-02	2.88E-02	1.51E+00	4.05E-01	1.17E-04	5.63E-04	8.43E-04	4.06E-01
5333	480363.09	3866377.25	4.18E-01	1.03E-04	5.65E-04	6.32E-04	4.20E-01	4.36E-01	1.05E+00	5.15E-02	2.16E-02	1.56E+00	4.36E-01	1.20E-04	5.65E-04	6.32E-04	4.37E-01
5334	480863.09	3866377.25	4.02E-01	1.02E-04	5.36E-04	6.65E-04	4.04E-01	4.20E-01	1.04E+00	4.89E-02	2.27E-02	1.53E+00	4.19E-01	1.19E-04	5.36E-04	6.65E-04	4.20E-01
5335	481363.09	3866377.25	4.10E-01	1.08E-04	5.74E-04	5.92E-04	4.11E-01	4.27E-01	1.10E+00	5.23E-02	2.03E-02	1.60E+00	4.26E-01	1.26E-04	5.74E-04	5.92E-04	4.28E-01
5336	481863.09	3866377.25	3.96E-01	1.14E-04	5.83E-04	6.29E-04	3.97E-01	4.13E-01	1.16E+00	5.31E-02	2.15E-02	1.65E+00	4.12E-01	1.33E-04	5.83E-04	6.29E-04	4.14E-01
5337	482363.09	3866377.25	3.90E-01	1.20E-04	6.11E-04	6.08E-04	3.91E-01	4.07E-01	1.23E+00	5.57E-02	2.08E-02	1.71E+00	4.06E-01	1.41E-04	6.11E-04	6.08E-04	4.07E-01
5338	482863.09	3866377.25	4.40E-01	1.21E-04	7.25E-04	5.69E-04	4.41E-01	4.59E-01	1.24E+00	6.62E-02	1.95E-02	1.78E+00	4.58E-01	1.42E-04	7.25E-04	5.69E-04	4.60E-01
5339	483363.09	3866377.25	4.37E-01	1.22E-04	6.83E-04	5.87E-04	4.39E-01	4.56E-01	1.24E+00	6.23E-02	2.01E-02	1.78E+00	4.55E-01	1.42E-04	6.83E-04	5.87E-04	4.57E-01
5340	483863.09	3866377.25	4.50E-01	1.30E-04	5.75E-04	6.84E-04	4.51E-01	4.69E-01	1.33E+00	5.25E-02	2.34E-02	1.88E+00	4.69E-01	1.52E-04	5.75E-04	6.84E-04	4.70E-01
5341	484363.09	3866377.25	4.62E-01	1.40E-04	5.87E-04	6.41E-04	4.63E-01	4.82E-01	1.43E+00	5.35E-02	2.19E-02	1.99E+00	4.81E-01	1.64E-04	5.87E-04	6.41E-04	4.82E-01
5342	484863.09	3866377.25	4.47E-01	1.48E-04	6.07E-04	5.83E-04	4.49E-01	4.67E-01	1.51E+00	5.54E-02	1.99E-02	2.05E+00	4.66E-01	1.73E-04	6.07E-04	5.83E-04	4.67E-01
5343	485363.09	3866377.25	4.45E-01	1.51E-04	5.73E-04	5.77E-04	4.46E-01	4.64E-01	1.54E+00	5.22E-02	1.97E-02	2.08E+00	4.63E-01	1.77E-04	5.73E-04	5.77E-04	4.65E-01
5344	485863.09	3866377.25	4.67E-01	1.42E-04	5.55E-04	3.94E-04	4.68E-01	4.87E-01	1.46E+00	5.06E-02	1.35E-02	2.01E+00	4.86E-01	1.67E-04	5.55E-04	3.94E-04	4.87E-01
5345	486363.09	3866377.25	4.77E-01	1.53E-04	5.51E-04	3.83E-04	4.78E-01	4.97E-01	1.56E+00	5.02E-02	1.31E-02	2.12E+00	4.96E-01	1.79E-04	5.51E-04	3.83E-04	4.97E-01
5346	486863.09	3866377.25	4.95E-01	1.64E-04	5.42E-04	3.98E-04	4.96E-01	5.16E-01	1.67E+00	4.94E-02	1.36E-02	2.25E+00	5.15E-01	1.91E-04	5.42E-04	3.98E-04	5.16E-01
5347	487363.09	3866377.25	4.96E-01	1.62E-04	6.06E-04	3.89E-04	4.97E-01	5.18E-01	1.66E+00	5.53E-02	1.33E-02	2.24E+00	5.17E-01	1.90E-04	6.06E-04	3.89E-04	5.18E-01
5348	487863.09	3866377.25	5.15E-01	1.68E-04	6.35E-04	3.48E-04	5.17E-01	5.38E-01	1.71E+00	5.79E-02	1.19E-02	2.32E+00	5.37E-01	1.96E-04	6.35E-04	3.48E-04	5.38E-01
5349	488363.09	3866377.25	5.61E-01	1.80E-04	6.18E-04	3.50E-04	5.62E-01	5.85E-01	1.84E+00	5.63E-02	1.20E-02	2.49E+00	5.84E-01	2.10E-04	6.18E-04	3.50E-04	5.85E-01
5350	488863.09	3866377.25	6.45E-01	1.86E-04	6.11E-04	3.34E-04	6.46E-01	6.73E-01	1.90E+00	5.57E-02	1.14E-02	2.64E+00	6.72E-01	2.18E-04	6.11E-04	3.34E-04	6.73E-01
5351	489363.09	3866377.25	6.62E-01	1.87E-04	6.00E-04	3.26E-04	6.63E-01	6.90E-01	1.92E+00	5.47E-02	1.11E-02	2.67E+00	6.89E-01	2.19E-04	6.00E-04	3.26E-04	6.90E-01
5352	489863.09	3866377.25	6.38E-01	1.91E-04	5.68E-04	3.04E-04	6.39E-01	6.66E-01	1.95E+00	5.18E-02	1.04E-02	2.68E+00	6.65E-01	2.24E-04	5.68E-04	3.04E-04	6.66E-01
5353	490363.09	3866377.25	5.97E-01	2.17E-04	5.69E-04	3.18E-04	5.98E-01	6.23E-01	2.22E+00	5.19E-02	1.09E-02	2.91E+00	6.22E-01	2.54E-04	5.69E-04	3.18E-04	6.23E-01
5354	490863.09	3866377.25	5.42E-01	2.18E-04	5.35E-04	3.55E-04	5.43E-01	5.66E-01	2.23E+00	4.88E-02	1.21E-02	2.86E+00	5.64E-01	2.55E-04	5.35E-04	3.55E-04	5.66E-01
5355	491363.09	3866377.25	6.08E-01	2.36E-04	5.29E-04	3.53E-04	6.09E-01	6.34E-01	2.41E+00	4.83E-02	1.21E-02	3.11E+00	6.33E-01	2.76E-04	5.29E-04	3.53E-04	6.34E-01
5356	491863.09	3866377.25	7.13E-01	1.92E-04	4.98E-04	3.10E-04	7.14E-01	7.44E-01	1.96E+00	4.54E-02	1.06E-02	2.76E+00	7.43E-01	2.25E-04	4.98E-04	3.10E-04	7.44E-01
5357	492363.09	3866377.25	6.86E-01	1.97E-04	4.98E-04	3.20E-04	6.87E-01	7.16E-01	2.02E+00	4.54E-02	1.10E-02	2.79E+00	7.14E-01	2.31E-04	4.98E-04	3.20E-04	7.15E-01
5358	492863.09	3866377.25	6.19E-01	1.59E-04	5.51E-04	3.29E-04	6.20E-01	6.46E-01	1.62E+00	5.03E-02	1.12E-02	2.33E+00	6.45E-01	1.86E-04	5.51E-04	3.29E-04	6.46E-01
5359	493363.09	3866377.25	5.76E-01	1.82E-04	5.18E-04	3.26E-04	5.77E-01	6.01E-01	1.85E+00	4.72E-02	1.11E-02	2.51E+00	6.00E-01	2.12E-04	5.18E-04	3.26E-04	6.01E-01
5360	493863.09	3866377.25	6.92E-01	1.96E-04	5.31E-04	3.61E-04	6.94E-01	7.23E-01	2.00E+00	4.84E-02	1.23E-02	2.78E+00	7.21E-01	2.29E-04	5.31E-04	3.61E-04	7.22E-01
5361	494363.09	3866377.25	6.74E-01	2.73E-04	5.19E-04	4.15E-04	6.75E-01	7.03E-01	2.79E+00	4.73E-02	1.42E-02	3.56E+00	7.02E-01	3.20E-04	5.19E-04	4.15E-04	7.03E-01
5362	494863.09	3866377.25	5.91E-01	2.71E-04	5.65E-04	4.39E-04	5.92E-01	6.17E-01	2.77E+00	5.15E-02	1.50E-02	3.45E+00	6.16E-01	3.17E-04	5.65E-04	4.39E-04	6.17E-01
5363	495363.09	3866377.25	4.87E-01	2.69E-04	5.51E-04	3.74E-04	4.88E-01	5.08E-01	2.75E+00	5.03E-02	1.28E-02	3.32E+00	5.07E-01	3.15E-04	5.51E-04	3.74E-04	5.08E-01
5364	495863.09	3866377.25	6.35E-01	2.18E-04	5.65E-04	4.21E-04	6.37E-01	6.63E-01	2.23E+00	5.15E-02	1.44E-02	2.96E+00	6.62E-01	2.56E-04	5.65E-04	4.21E-04	6.63E-01

5365	496363.09	3866377.25	7.11E-01	2.10E-04	5.61E-04	5.41E-04	7.13E-01	7.42E-01	2.14E+00	5.12E-02	1.85E-02	2.95E+00	7.41E-01	2.45E-04	5.61E-04	5.41E-04	7.42E-01
5366	496863.09	3866377.25	6.24E-01	1.92E-04	6.61E-04	5.39E-04	6.25E-01	6.51E-01	1.97E+00	6.03E-02	1.85E-02	2.70E+00	6.50E-01	2.25E-04	6.61E-04	5.39E-04	6.51E-01
5367	497363.09	3866377.25	6.80E-01	1.82E-04	5.99E-04	4.62E-04	6.81E-01	7.09E-01	1.86E+00	5.47E-02	1.58E-02	2.64E+00	7.08E-01	2.13E-04	5.99E-04	4.62E-04	7.09E-01
5368	497863.09	3866377.25	5.44E-01	2.04E-04	7.24E-04	5.02E-04	5.46E-01	5.68E-01	2.09E+00	6.60E-02	1.72E-02	2.74E+00	5.67E-01	2.39E-04	7.24E-04	5.02E-04	5.68E-01
5369	498363.09	3866377.25	4.60E-01	1.58E-04	9.64E-04	4.22E-04	4.62E-01	4.80E-01	1.61E+00	8.79E-02	1.44E-02	2.19E+00	4.80E-01	1.84E-04	9.64E-04	4.22E-04	4.81E-01
5370	474494.92	3848334.16	3.21E-01	8.66E-05	3.75E-04	4.80E-04	3.22E-01	3.34E-01	8.85E-01	3.42E-02	1.64E-02	1.27E+00	3.34E-01	1.01E-04	3.75E-04	4.80E-04	3.35E-01
5371	475167.27	3848920.79	4.03E-01	9.50E-05	3.94E-04	5.06E-04	4.04E-01	4.20E-01	9.70E-01	3.59E-02	1.73E-02	1.44E+00	4.20E-01	1.11E-04	3.94E-04	5.06E-04	4.21E-01
5372	475297.89	3848997.96	4.15E-01	9.71E-05	3.97E-04	5.17E-04	4.16E-01	4.33E-01	9.92E-01	3.62E-02	1.77E-02	1.48E+00	4.33E-01	1.14E-04	3.97E-04	5.17E-04	4.34E-01
5373	475439.05	3849062	4.11E-01	9.51E-05	3.99E-04	5.23E-04	4.12E-01	4.29E-01	9.72E-01	3.64E-02	1.79E-02	1.46E+00	4.28E-01	1.11E-04	3.99E-04	5.23E-04	4.29E-01
5374	475486.86	3849061.09	3.88E-01	9.34E-05	3.99E-04	5.23E-04	3.89E-01	4.05E-01	9.54E-01	3.64E-02	1.79E-02	1.41E+00	4.04E-01	1.09E-04	3.99E-04	5.23E-04	4.05E-01
5375	475538.46	3849075.56	3.80E-01	9.37E-05	4.00E-04	5.28E-04	3.81E-01	3.97E-01	9.57E-01	3.65E-02	1.80E-02	1.41E+00	3.96E-01	1.10E-04	4.00E-04	5.28E-04	3.97E-01
5376	475751.79	3849137.15	3.95E-01	1.01E-04	4.07E-04	5.41E-04	3.96E-01	4.12E-01	1.03E+00	3.71E-02	1.85E-02	1.50E+00	4.11E-01	1.18E-04	4.07E-04	5.41E-04	4.12E-01
5377	476303.62	3849223.38	4.96E-01	1.17E-04	4.21E-04	5.27E-04	4.97E-01	5.18E-01	1.20E+00	3.84E-02	1.80E-02	1.77E+00	5.17E-01	1.37E-04	4.21E-04	5.27E-04	5.18E-01
5378	476304.51	3849238.92	4.95E-01	1.17E-04	4.21E-04	5.26E-04	4.96E-01	5.17E-01	1.20E+00	3.84E-02	1.80E-02	1.77E+00	5.16E-01	1.37E-04	4.21E-04	5.26E-04	5.17E-01
5379	476365.04	3849247.98	5.01E-01	1.26E-04	4.23E-04	5.29E-04	5.02E-01	5.22E-01	1.29E+00	3.85E-02	1.81E-02	1.87E+00	5.21E-01	1.48E-04	4.23E-04	5.29E-04	5.23E-01
5380	476444.86	3849267.13	5.23E-01	1.40E-04	4.24E-04	5.27E-04	5.24E-01	5.46E-01	1.43E+00	3.87E-02	1.80E-02	2.03E+00	5.45E-01	1.64E-04	4.24E-04	5.27E-04	5.46E-01
5381	476550.75	3849300.66	5.28E-01	1.58E-04	4.28E-04	5.27E-04	5.29E-01	5.51E-01	1.61E+00	3.90E-02	1.80E-02	2.22E+00	5.50E-01	1.85E-04	4.28E-04	5.27E-04	5.51E-01
5382	476656.71	3849346.88	5.24E-01	1.73E-04	4.31E-04	5.24E-04	5.25E-01	5.47E-01	1.77E+00	3.93E-02	1.79E-02	2.37E+00	5.46E-01	2.03E-04	4.31E-04	5.24E-04	5.47E-01
5383	476873.55	3849454.53	5.21E-01	1.87E-04	4.38E-04	5.35E-04	5.22E-01	5.44E-01	1.91E+00	4.00E-02	1.83E-02	2.51E+00	5.43E-01	2.19E-04	4.38E-04	5.35E-04	5.44E-01
5384	477700	3849859.7	6.44E-01	2.18E-04	4.67E-04	5.10E-04	6.45E-01	6.72E-01	2.22E+00	4.26E-02	1.75E-02	2.95E+00	6.71E-01	2.54E-04	4.67E-04	5.10E-04	6.72E-01
5385	477743.16	3849856.38	6.13E-01	2.16E-04	4.67E-04	5.01E-04	6.15E-01	6.40E-01	2.21E+00	4.26E-02	1.71E-02	2.91E+00	6.39E-01	2.53E-04	4.67E-04	5.01E-04	6.40E-01
5386	478477.35	3850216.33	5.38E-01	2.14E-04	5.01E-04	5.58E-04	5.39E-01	5.62E-01	2.19E+00	4.57E-02	1.91E-02	2.81E+00	5.60E-01	2.51E-04	5.01E-04	5.58E-04	5.62E-01
5387	478485.8	3850201.6	5.42E-01	2.12E-04	5.01E-04	5.62E-04	5.43E-01	5.65E-01	2.17E+00	4.57E-02	1.92E-02	2.80E+00	5.64E-01	2.48E-04	5.01E-04	5.62E-04	5.65E-01
5388	479113.21	3850501.53	5.84E-01	2.24E-04	5.18E-04	5.92E-04	5.85E-01	6.09E-01	2.29E+00	4.72E-02	2.03E-02	2.97E+00	6.08E-01	2.62E-04	5.18E-04	5.92E-04	6.09E-01
5389	479108.11	3850382.28	6.27E-01	2.19E-04	5.14E-04	5.91E-04	6.28E-01	6.54E-01	2.24E+00	4.69E-02	2.02E-02	2.96E+00	6.53E-01	2.56E-04	5.14E-04	5.91E-04	6.54E-01
5390	479689.85	3850674.28	7.24E-01	2.04E-04	5.27E-04	7.03E-04	7.26E-01	7.56E-01	2.09E+00	4.80E-02	2.41E-02	2.92E+00	7.54E-01	2.39E-04	5.27E-04	7.03E-04	7.56E-01
5391	479952.42	3850774.28	1.03E+00	2.03E-04	5.37E-04	7.59E-04	1.03E+00	1.07E+00	2.08E+00	4.90E-02	2.60E-02	3.22E+00	1.07E+00	2.38E-04	5.37E-04	7.59E-04	1.07E+00
5392	479911.32	3850884.85	8.16E-01	2.25E-04	5.41E-04	7.40E-04	8.18E-01	8.52E-01	2.30E+00	4.94E-02	2.53E-02	3.23E+00	8.50E-01	2.63E-04	5.41E-04	7.40E-04	8.51E-01
5393	480500.92	3851178.12	1.30E+00	2.38E-04	5.67E-04	8.36E-04	1.31E+00	1.36E+00	2.44E+00	5.17E-02	2.86E-02	3.88E+00	1.36E+00	2.79E-04	5.67E-04	8.36E-04	1.36E+00
5394	480738.01	3851289.27	1.41E+00	2.39E-04	5.86E-04	8.36E-04	1.41E+00	1.47E+00	2.44E+00	5.34E-02	2.86E-02	3.99E+00	1.47E+00	2.79E-04	5.86E-04	8.36E-04	1.47E+00
5395	481055.42	3851443.58	1.53E+00	2.32E-04	6.14E-04	8.95E-04	1.54E+00	1.60E+00	2.37E+00	5.60E-02	3.06E-02	4.05E+00	1.60E+00	2.71E-04	6.14E-04	8.95E-04	1.60E+00
5396	481110.22	3851443.15	1.59E+00	2.26E-04	6.20E-04	8.88E-04	1.59E+00	1.66E+00	2.31E+00	5.66E-02	3.04E-02	4.06E+00	1.66E+00	2.64E-04	6.20E-04	8.88E-04	1.66E+00
5397	481111.1	3851417.45	1.60E+00	2.23E-04	6.21E-04	8.84E-04	1.61E+00	1.67E+00	2.27E+00	5.66E-02	3.02E-02	4.03E+00	1.67E+00	2.60E-04	6.21E-04	8.84E-04	1.67E+00
5398	482248.44	3852605.09	2.40E+00	2.80E-04	7.25E-04	1.28E-03	2.41E+00	2.51E+00	2.86E+00	6.61E-02	4.39E-02	5.48E+00	2.50E+00	3.27E-04	7.25E-04	1.28E-03	2.51E+00
5399	482273.34	3852632.31	2.43E+00	2.82E-04	7.28E-04	1.30E-03	2.44E+00	2.54E+00	2.88E+00	6.64E-02	4.46E-02	5.53E+00	2.53E+00	3.30E-04	7.28E-04	1.30E-03	2.54E+00
5400	482665.46	3853038.72	2.98E+00	3.09E-04	7.74E-04	1.54E-03	2.98E+00	3.11E+00	3.16E+00	7.06E-02	5.26E-02	6.39E+00	3.11E+00	3.62E-04	7.74E-04	1.54E-03	3.11E+00
5401	483077.95	3853844.31	2.90E+00	3.23E-04	8.86E-04	1.93E-03	2.91E+00	3.03E+00	3.30E+00	8.08E-02	6.61E-02	6.47E+00	3.02E+00	3.78E-04	8.86E-04	1.93E-03	3.03E+00
5402	483121.38	3853909.38	3.04E+00	3.14E-04	8.99E-04	1.97E-03	3.05E+00	3.18E+00	3.21E+00	8.20E-02	6.75E-02	6.54E+00	3.17E+00	3.68E-04	8.99E-04	1.97E-03	3.17E+00
5403	483492.64	3853911.49	4.38E+00	2.18E-04	8.73E-04	2.04E-03	4.38E+00	4.57E+00	2.23E+00	7.96E-02	6.97E-02	6.94E+00	4.56E+00	2.55E-04	8.73E-04	2.04E-03	4.56E+00
5404	483498.29	3854204.73	3.74E+00	2.29E-04	9.58E-04	2.16E-03	3.74E+00	3.90E+00	2.34E+00	8.74E-02	7.39E-02	6.41E+00	3.89E+00	2.68E-04	9.58E-04	2.16E-03	3.90E+00
5405	484132.44	3854662.55	4.59E+00	1.19E-04	1.04E-03	4.75E-03	4.60E+00	4.79E+00	1.22E+00	9.53E-02	1.62E-01	6.27E+00	4.78E+00	1.40E-04	1.04E-03	4.75E-03	4.79E+00
5406	484627.62	3854876.13	5.77E+00	1.20E-04	1.12E-03	5.14E-03	5.77E+00	6.02E+00	1.23E+00	1.02E-01	1.76E-01	7.53E+00	6.01E+00	1.41E-04	1.12E-03	5.14E-03	6.01E+00
5407	484756.14	3854949.04	5.68E+00	1.29E-04	1.20E-03	4.29E-03	5.68E+00	5.93E+00	1.32E+00	1.09E-01	1.47E-01	7.50E+00	5.91E+00	1.51E-04	1.20E-03	4.29E-03	5.92E+00
5408	486697.51	3856599.17	7.39E+00	1.37E-04	3.79E-03	8.39E-03	7.41E+00	7.71E+00	1.40E+00	3.46E-01	2.87E-01	9.75E+00	7.70E+00	1.60E-04	3.79E-03	8.39E-03	7.71E+00
5409	487105.31	3856962.27	8.15E+00	1.98E-04	5.99E-03	6.93E-03	8.17E+00	8.51E+00	2.02E+00	5.47E-01	2.37E-01	1.13E+01	8.49E+00	2.32E-04	5.99E-03	6.93E-03	8.50E+00
5410	487157.57	3856901.7	7.35E+00	2.07E-04	5.78E-03	6.80E-03	7.36E+00	7.67E+00	2.11E+00	5.28E-01	2.33E-01	1.05E+01	7.66E+00	2.42E-04	5.78E-03	6.80E-03	7.67E+00
5411	487173.5	3856853.74	6.95E+00	2.06E-04	5.26E-03	6.96E-03	6.97E+00	7.26E+00	2.10E+00	4.79E-01	2.38E-01	1.01E+01	7.24E+00	2.40E-04	5.26E-03	6.96E-03	7.25E+00
5412	487564.41	3856860.83	5.49E+00	2.43E-04	7.01E-03	6.48E-03	5.51E+00	5.73E+00	2.49E+00	6.39E-01	2.21E-01	9.08E+00	5.72E+00	2.85E-04	7.01E-03	6.48E-03	5.73E+00
5413	487563.31	3856931.58	5.70E+00	2.60E-04	8.00E-03	6.47E-03	5.71E+00	5.94E+00	2.66E+00	7.29E-01	2.21E-01	9.55E+00	5.93E+00	3.04E-04	8.00E-03	6.47E-03	5.95E+00
5414	487782.7	3856926.85	5.05E+00	2.82E-04	1.01E-02	6.35E-03	5.07E+00	5.27E+00	2.88E+00	9.26E-01	2.17E-01	9.30E+00	5.26E+00	3.30E-04	1.01E-02	6.35E-03	5.28E+00
5415	487782.39	3856757.07	4.65E+00	2.50E-04	7.50E-03	6.59E-03	4.66E+00	4.85E+00	2.55E+00	6.84E-01	2.25E-01	8.31E+00	4.84E+00	2.92E-04	7.50E-03	6.59E-03	4.85E+00
5416	487917.26	3856752.41	4.29E+00	2.52E-04	7.89E-03	6.58E-03	4.30E+00	4.47E+00	2.58E+00	7.19E-01	2.25E-01	7.99E+00	4.46E+00	2.95E-04	7.89E-03	6.58E-03	4.48E+00
5417	487919.57	3856953.35	4.75E+00	2.97E-04	9.11E-03	6.19E-03	4.77E+00	4.96E+00	3.04E+00	8.31E-01	2.12E-01	9.03E+00	4.95E+00	3.48E-04	9.11E-03	6.19E-03	4.96E+00
5418	487932.76	3857000.32	4.85E+00	2.99E-04	1.01E-02	6.13E-03	4.87E+00	5.06E+00	3.05E+00	9.21E-01	2.10E-01	9.25E+00	5.05E+00	3.50E-04	1.01E-02	6.13E-03	5.07E+00
5419	487960.5	3857044.75	4.88E+00	2.98E-04	1.23E-02	6.05E-03	4.90E+00	5.09E+00	3.05E+00	1.12E+00	2.07E-01	9.46E+00	5.08E+00	3.49E-04	1.23E-02	6.05E-03	5.10E+00
5420	488016.54	3857089.54	4.82E+00	3.05E-04	1.32E-02	5.93E-03	4.84E+00	5.03E+00	3.12E+00	1.20E+00	2.03E-01	9.56E+00	5.02E+00	3.57E-04	1.32E-02	5.93E-03	5.04E+00
5421	488114.39	3857165.47	4.75E+00	3.16E-04	1.34E-02	5.79E-03	4.77E+00	4.95E+00	3.23E+00	1.23E+00	1.98E-01	9.60E+00	4.94E+00	3.70E-04	1.34E-02	5.79E-03	4.96E+00
5422	488171.49	3857234.24	4.75E+00	3.36E-04	1.82E-02	5.69E-03	4.77E+00	4.96E+00	3.43E+00	1.66E+00	1.95E-01	1.02E+01	4.95E+00	3.93E-04	1.82E-02	5.69E-03	4.97E+00
5423	488193.16	3857297.8	4.76E+00	3.53E-04	2.11E-02	5.55E-03	4.79E+00	4.97E+00	3.61E+00	1.93E+00	1.90E-01	1.07E+01	4.96E+00	4.13E-04	2.11E-02	5.55E-03	4.98E+00
5424	488189.27	3857649.94	4.77E+00	4.19E-04	4.84E-02	5.12E-03	4.83E+00	4.98E+00	4.28E+00	4.41E+00	1.75E-01	1.38E+01	4.97E+00	4.90E-04	4.84E-02	5.12E-03	5.03E+00
5425	488127.43	3857732.32	4.69E+00	4.47E-04	6.84E-02	4.96E-03	4.76E+00	4.89E+00	4.57E+00	6.24E+00	1.70E-01	1.59E+01	4.88E+00	5.23E-04	6.84E-02	4.96E-03	4.96E+00

5426	488149.93	3857752.94	4.66E+00	4.52E-04	7.15E-02	4.73E-03	4.74E+00	4.86E+00	4.62E+00	6.52E+00	1.62E-01	1.62E+01	4.85E+00	5.29E-04	7.15E-02	4.73E-03	4.93E+00
5427	488144.76	3857758.71	4.64E+00	4.53E-04	7.35E-02	4.70E-03	4.72E+00	4.85E+00	4.63E+00	6.70E+00	1.61E-01	1.63E+01	4.84E+00	5.31E-04	7.35E-02	4.70E-03	4.92E+00
5428	488335.58	3857932.55	4.18E+00	5.15E-04	2.66E-01	4.84E-03	4.45E+00	4.36E+00	5.26E+00	2.43E+01	1.66E-01	3.41E+01	4.35E+00	6.03E-04	2.66E-01	4.84E-03	4.62E+00
5429	488372.29	3857943.79	4.18E+00	5.22E-04	2.60E-01	4.92E-03	4.45E+00	4.36E+00	5.34E+00	2.37E+01	1.68E-01	3.36E+01	4.35E+00	6.11E-04	2.60E-01	4.92E-03	4.62E+00
5430	488828.64	3857936.4	4.04E+00	4.95E-04	1.11E-01	4.88E-03	4.15E+00	4.21E+00	5.06E+00	1.01E+01	1.67E-01	1.95E+01	4.20E+00	5.79E-04	1.11E-01	4.88E-03	4.32E+00
5431	488829.08	3857959.58	3.99E+00	5.04E-04	1.12E-01	5.12E-03	4.11E+00	4.17E+00	5.15E+00	1.03E+01	1.75E-01	1.97E+01	4.16E+00	5.89E-04	1.12E-01	5.12E-03	4.28E+00
5432	488351.61	3857964.55	4.11E+00	5.32E-04	2.67E-01	4.91E-03	4.39E+00	4.29E+00	5.44E+00	2.44E+01	1.68E-01	3.43E+01	4.28E+00	6.22E-04	2.67E-01	4.91E-03	4.56E+00
5433	488316.87	3857947.65	4.17E+00	5.20E-04	2.72E-01	4.75E-03	4.44E+00	4.35E+00	5.31E+00	2.48E+01	1.63E-01	3.46E+01	4.34E+00	6.08E-04	2.72E-01	4.75E-03	4.62E+00
5434	488129.1	3857775.77	4.57E+00	4.57E-04	8.41E-02	4.88E-03	4.66E+00	4.77E+00	4.67E+00	7.67E+00	1.67E-01	1.73E+01	4.76E+00	5.35E-04	8.41E-02	4.88E-03	4.85E+00
5435	488062.53	3857846.13	4.25E+00	4.82E-04	8.68E-02	4.94E-03	4.35E+00	4.44E+00	4.93E+00	7.92E+00	1.69E-01	1.75E+01	4.43E+00	5.64E-04	8.68E-02	4.94E-03	4.52E+00
5436	488330.41	3858091.34	3.63E+00	5.44E-04	2.78E-01	5.25E-03	3.91E+00	3.78E+00	5.56E+00	2.53E+01	1.80E-01	3.48E+01	3.78E+00	6.36E-04	2.78E-01	5.25E-03	4.06E+00
5437	488470.87	3858174.45	3.57E+00	6.07E-04	2.09E-01	5.12E-03	3.78E+00	3.72E+00	6.20E+00	1.90E+01	1.75E-01	2.91E+01	3.71E+00	7.10E-04	2.09E-01	5.12E-03	3.93E+00
5438	488568.9	3858262.31	3.35E+00	6.47E-04	1.38E-01	5.45E-03	3.49E+00	3.49E+00	6.61E+00	1.26E+01	1.86E-01	2.29E+01	3.49E+00	7.57E-04	1.38E-01	5.45E-03	3.63E+00
5439	488964.27	3858025.71	3.88E+00	5.16E-04	9.21E-02	4.89E-03	3.98E+00	4.05E+00	5.28E+00	8.40E+00	1.67E-01	1.79E+01	4.04E+00	6.04E-04	9.21E-02	4.89E-03	4.14E+00
5440	489147.25	3857956.64	3.82E+00	4.72E-04	7.61E-02	4.63E-03	3.90E+00	3.98E+00	4.82E+00	6.94E+00	1.58E-01	1.59E+01	3.98E+00	5.52E-04	7.61E-02	4.63E-03	4.06E+00
5441	489343.52	3857932.45	3.53E+00	4.26E-04	7.33E-02	4.66E-03	3.61E+00	3.68E+00	4.35E+00	6.68E+00	1.59E-01	1.49E+01	3.67E+00	4.99E-04	7.33E-02	4.66E-03	3.75E+00
5442	489866.19	3857923.19	2.97E+00	3.44E-04	6.62E-02	4.46E-03	3.04E+00	3.10E+00	3.52E+00	6.04E+00	1.52E-01	1.28E+01	3.09E+00	4.03E-04	6.62E-02	4.46E-03	3.16E+00
5443	489955.65	3857902.27	2.84E+00	3.28E-04	6.51E-02	4.53E-03	2.91E+00	2.97E+00	3.35E+00	5.94E+00	1.55E-01	1.24E+01	2.96E+00	3.84E-04	6.51E-02	4.53E-03	3.03E+00
5444	490079.44	3857847.9	2.65E+00	3.23E-04	6.60E-02	4.66E-03	2.72E+00	2.77E+00	3.30E+00	6.02E+00	1.59E-01	1.22E+01	2.76E+00	3.78E-04	6.60E-02	4.66E-03	2.83E+00
5445	490108.49	3857934.13	2.70E+00	3.30E-04	6.57E-02	4.81E-03	2.77E+00	2.82E+00	3.37E+00	5.99E+00	1.65E-01	1.23E+01	2.81E+00	3.86E-04	6.57E-02	4.81E-03	2.89E+00
5446	489884.48	3858014.17	2.99E+00	3.60E-04	6.32E-02	4.64E-03	3.06E+00	3.12E+00	3.68E+00	5.77E+00	1.59E-01	1.27E+01	3.12E+00	4.22E-04	6.32E-02	4.64E-03	3.18E+00
5447	489326.56	3858025.86	3.62E+00	4.47E-04	6.84E-02	4.47E-03	3.69E+00	3.78E+00	4.57E+00	6.24E+00	1.53E-01	1.47E+01	3.77E+00	5.24E-04	6.84E-02	4.47E-03	3.84E+00
5448	489130.38	3858056.71	3.83E+00	4.96E-04	7.43E-02	4.85E-03	3.91E+00	4.00E+00	5.07E+00	6.78E+00	1.66E-01	1.60E+01	3.99E+00	5.80E-04	7.43E-02	4.85E-03	4.07E+00
5449	488936.49	3858143.93	3.61E+00	5.50E-04	8.92E-02	5.16E-03	3.70E+00	3.77E+00	5.62E+00	8.13E+00	1.77E-01	1.77E+01	3.76E+00	6.43E-04	8.92E-02	5.16E-03	3.85E+00
5450	488638.08	3858327.45	3.20E+00	6.53E-04	1.02E-01	5.76E-03	3.31E+00	3.34E+00	6.68E+00	9.31E+00	1.97E-01	1.95E+01	3.34E+00	7.64E-04	1.02E-01	5.76E-03	3.44E+00
5451	488663.79	3858349.57	3.16E+00	6.54E-04	9.26E-02	5.62E-03	3.26E+00	3.30E+00	6.68E+00	8.44E+00	1.92E-01	1.86E+01	3.29E+00	7.65E-04	9.26E-02	5.62E-03	3.39E+00
5452	488694.56	3858349.5	3.27E+00	6.50E-04	9.16E-02	5.77E-03	3.36E+00	3.41E+00	6.64E+00	8.35E+00	1.97E-01	1.86E+01	3.40E+00	7.60E-04	9.16E-02	5.77E-03	3.50E+00
5453	488694.35	3858336.75	3.31E+00	6.47E-04	9.66E-02	5.70E-03	3.41E+00	3.45E+00	6.61E+00	8.81E+00	1.95E-01	1.91E+01	3.44E+00	7.57E-04	9.66E-02	5.70E-03	3.55E+00
5454	488712.81	3858336.38	3.28E+00	6.41E-04	9.42E-02	5.82E-03	3.38E+00	3.42E+00	6.54E+00	8.59E+00	1.99E-01	1.88E+01	3.41E+00	7.49E-04	9.42E-02	5.82E-03	3.51E+00
5455	488713.23	3858367.46	3.23E+00	6.48E-04	8.42E-02	5.86E-03	3.32E+00	3.37E+00	6.63E+00	7.68E+00	2.00E-01	1.79E+01	3.37E+00	7.59E-04	8.42E-02	5.86E-03	3.46E+00
5456	488704.63	3858384.05	3.12E+00	6.60E-04	8.08E-02	5.92E-03	3.20E+00	3.25E+00	6.74E+00	7.37E+00	2.02E-01	1.76E+01	3.25E+00	7.72E-04	8.08E-02	5.92E-03	3.33E+00
5457	488604.15	3858488.29	3.33E+00	7.52E-04	3.95E-02	6.55E-03	3.38E+00	3.48E+00	7.68E+00	3.60E+00	2.24E-01	1.50E+01	3.47E+00	8.79E-04	3.95E-02	6.55E-03	3.52E+00
5458	488605.66	3858550.47	3.39E+00	8.16E-04	2.59E-02	6.13E-03	3.43E+00	3.54E+00	8.34E+00	2.36E+00	2.10E-01	1.45E+01	3.53E+00	9.55E-04	2.59E-02	6.13E-03	3.57E+00
5459	488692.68	3858548.71	3.25E+00	8.01E-04	3.36E-02	6.10E-03	3.29E+00	3.39E+00	8.18E+00	3.07E+00	2.09E-01	1.48E+01	3.38E+00	9.37E-04	3.36E-02	6.10E-03	3.42E+00
5460	488759.93	3858461.81	2.81E+00	7.01E-04	5.53E-02	6.29E-03	2.87E+00	2.93E+00	7.16E+00	5.05E+00	2.15E-01	1.54E+01	2.93E+00	8.20E-04	5.53E-02	6.29E-03	2.99E+00
5461	488816.57	3858541.79	2.31E+00	7.61E-04	4.05E-02	6.14E-03	2.36E+00	2.41E+00	7.77E+00	3.70E+00	2.10E-01	1.41E+01	2.41E+00	8.90E-04	4.05E-02	6.14E-03	2.46E+00
5462	488944.63	3858656.77	2.26E+00	7.95E-04	3.04E-02	5.62E-03	2.30E+00	2.36E+00	8.13E+00	2.78E+00	1.92E-01	1.35E+01	2.36E+00	9.31E-04	3.04E-02	5.62E-03	2.39E+00
5463	489134.91	3858830.7	2.10E+00	8.57E-04	1.97E-02	5.83E-03	2.12E+00	2.19E+00	8.76E+00	1.79E+00	1.99E-01	1.29E+01	2.18E+00	1.00E-03	1.97E-02	5.83E-03	2.21E+00
5464	489193.99	3858886.05	2.03E+00	8.67E-04	1.73E-02	6.35E-03	2.06E+00	2.12E+00	8.86E+00	1.58E+00	2.17E-01	1.28E+01	2.12E+00	1.01E-03	1.73E-02	6.35E-03	2.14E+00
5465	489295.2	3858954.34	2.16E+00	8.92E-04	1.59E-02	5.83E-03	2.18E+00	2.25E+00	9.11E+00	1.45E+00	1.99E-01	1.30E+01	2.25E+00	1.04E-03	1.59E-02	5.83E-03	2.27E+00
5466	489295.64	3858992.74	2.05E+00	9.21E-04	1.40E-02	5.78E-03	2.07E+00	2.14E+00	9.41E+00	1.28E+00	1.98E-01	1.30E+01	2.13E+00	1.08E-03	1.40E-02	5.78E-03	2.15E+00
5467	489183.74	3858911.72	2.11E+00	8.97E-04	1.63E-02	6.45E-03	2.13E+00	2.20E+00	9.17E+00	1.49E+00	2.20E-01	1.31E+01	2.20E+00	1.05E-03	1.63E-02	6.45E-03	2.22E+00
5468	488873.37	3858625.59	2.34E+00	7.96E-04	3.24E-02	5.41E-03	2.37E+00	2.44E+00	8.14E+00	2.95E+00	1.85E-01	1.37E+01	2.43E+00	9.32E-04	3.24E-02	5.41E-03	2.47E+00
5469	488842.84	3858658.69	3.05E+00	8.46E-04	2.90E-02	5.33E-03	3.09E+00	3.19E+00	8.64E+00	2.64E+00	1.82E-01	1.47E+01	3.18E+00	9.90E-04	2.90E-02	5.33E-03	3.22E+00
5470	488856.39	3858670.93	3.04E+00	8.50E-04	2.81E-02	5.44E-03	3.08E+00	3.18E+00	8.69E+00	2.56E+00	1.86E-01	1.46E+01	3.17E+00	9.95E-04	2.81E-02	5.44E-03	3.20E+00
5471	488805.7	3858724.5	3.27E+00	9.44E-04	1.89E-02	6.02E-03	3.30E+00	3.42E+00	9.65E+00	1.73E+00	2.06E-01	1.50E+01	3.41E+00	1.10E-03	1.89E-02	6.02E-03	3.44E+00
5472	488805.87	3858804.16	3.18E+00	1.06E-03	1.30E-02	6.27E-03	3.20E+00	3.32E+00	1.08E+01	1.19E+00	2.15E-01	1.55E+01	3.31E+00	1.24E-03	1.30E-02	6.27E-03	3.33E+00
5473	488995.78	3858936.96	3.09E+00	1.09E-03	1.39E-02	6.20E-03	3.11E+00	3.22E+00	1.12E+01	1.27E+00	2.12E-01	1.59E+01	3.21E+00	1.28E-03	1.39E-02	6.20E-03	3.23E+00
5474	489130.76	3859017.38	3.03E+00	1.05E-03	1.28E-02	6.17E-03	3.05E+00	3.16E+00	1.07E+01	1.17E+00	2.11E-01	1.52E+01	3.15E+00	1.23E-03	1.28E-02	6.17E-03	3.17E+00
5475	489130.92	3859052.24	2.92E+00	1.06E-03	1.23E-02	6.71E-03	2.94E+00	3.05E+00	1.08E+01	1.12E+00	2.30E-01	1.52E+01	3.04E+00	1.24E-03	1.23E-02	6.71E-03	3.06E+00
5476	489200.33	3859090.6	2.89E+00	1.01E-03	1.15E-02	5.94E-03	2.91E+00	3.02E+00	1.03E+01	1.05E+00	2.03E-01	1.46E+01	3.01E+00	1.18E-03	1.15E-02	5.94E-03	3.03E+00
5477	489296.07	3859143.7	2.64E+00	9.80E-04	1.06E-02	6.25E-03	2.65E+00	2.75E+00	1.00E+01	9.67E-01	2.14E-01	1.39E+01	2.75E+00	1.15E-03	1.06E-02	6.25E-03	2.76E+00
5478	489296.43	3858954.74	2.16E+00	8.91E-04	1.59E-02	5.83E-03	2.19E+00	2.26E+00	9.10E+00	1.45E+00	1.99E-01	1.30E+01	2.25E+00	1.04E-03	1.59E-02	5.83E-03	2.28E+00
5479	489410.33	3859033.19	2.34E+00	8.68E-04	1.48E-02	5.56E-03	2.36E+00	2.44E+00	8.87E+00	1.35E+00	1.90E-01	1.28E+01	2.43E+00	1.02E-03	1.48E-02	5.56E-03	2.46E+00
5480	489371.37	3859089.8	2.36E+00	9.11E-04	1.26E-02	5.99E-03	2.38E+00	2.46E+00	9.31E+00	1.15E+00	2.05E-01	1.31E+01	2.46E+00	1.07E-03	1.26E-02	5.99E-03	2.48E+00
5481	489390.52	3859102.82	2.37E+00	9.09E-04	1.26E-02	6.15E-03	2.39E+00	2.47E+00	9.28E+00	1.15E+00	2.10E-01	1.31E+01	2.46E+00	1.06E-03	1.26E-02	6.15E-03	2.48E+00
5482	489382.3	3859114.53	2.42E+00	9.17E-04	1.21E-02	6.08E-03	2.44E+00	2.52E+00	9.37E+00	1.10E+00	2.08E-01	1.32E+01	2.52E+00	1.07E-03	1.21E-02	6.08E-03	2.54E+00
5483	489363.04	3859102.45	2.43E+00	9.20E-04	1.23E-02	6.06E-03	2.45E+00	2.53E+00	9.40E+00	1.12E+00	2.07E-01	1.33E+01	2.53E+00	1.08E-03	1.23E-02	6.06E-03	2.55E+00
5484	489337.52	3859140.71	2.61E+00	9.52E-04	1.15E-02	6.23E-03	2.63E+00	2.72E+00	9.73E+00	1.05E+00	2.13E-01	1.37E+01	2.72E+00	1.11E-03	1.15E-02	6.23E-03	2.74E+00
5485	489375.14	3859164.55	2.58E+00	9.44E-04	1.13E-02	6.21E-03	2.60E+00	2.69E+00	9.64E+00	1.03E+00	2.12E-01	1.36E+01	2.68E+00	1.10E-03	1.13E-02	6.21E-03	2.70E+00
5486	489409.3	3859114.5	2.37E+00	9.05E-04	1.25E-02	6.06E-03	2.39E+00	2.47E+00	9.25E+00	1.14E+00	2.07E-01	1.31E+01	2.47E+00	1.06E-03	1.25E-02	6.06E-03	2.49E+00

5487	489434.87	3859131.81	2.38E+00	8.95E-04	1.21E-02	5.93E-03	2.40E+00	2.48E+00	9.14E+00	1.11E+00	2.03E-01	1.29E+01	2.48E+00	1.05E-03	1.21E-02	5.93E-03	2.50E+00
5488	489471.87	3859075.75	2.36E+00	8.48E-04	1.44E-02	5.86E-03	2.38E+00	2.46E+00	8.66E+00	1.31E+00	2.00E-01	1.26E+01	2.46E+00	9.92E-04	1.44E-02	5.86E-03	2.48E+00
5489	489602.62	3859164.69	2.35E+00	8.23E-04	1.31E-02	6.17E-03	2.37E+00	2.45E+00	8.41E+00	1.19E+00	2.11E-01	1.23E+01	2.44E+00	9.63E-04	1.31E-02	6.17E-03	2.46E+00
5490	489558.29	3859232.45	2.41E+00	8.78E-04	1.06E-02	6.40E-03	2.42E+00	2.51E+00	8.97E+00	9.66E-01	2.19E-01	1.27E+01	2.51E+00	1.03E-03	1.06E-02	6.40E-03	2.52E+00
5491	489620.11	3859273.56	2.39E+00	8.60E-04	1.02E-02	6.25E-03	2.41E+00	2.50E+00	8.79E+00	9.32E-01	2.14E-01	1.24E+01	2.49E+00	1.01E-03	1.02E-02	6.25E-03	2.51E+00
5492	489666.06	3859206.42	2.36E+00	8.10E-04	1.24E-02	6.20E-03	2.38E+00	2.47E+00	8.27E+00	1.13E+00	2.12E-01	1.21E+01	2.46E+00	9.47E-04	1.24E-02	6.20E-03	2.48E+00
5493	489787.9	3859285.65	2.33E+00	7.99E-04	1.13E-02	5.99E-03	2.35E+00	2.43E+00	8.16E+00	1.03E+00	2.05E-01	1.18E+01	2.43E+00	9.35E-04	1.13E-02	5.99E-03	2.44E+00
5494	489752.17	3859343.13	2.34E+00	8.25E-04	9.79E-03	5.88E-03	2.35E+00	2.44E+00	8.43E+00	8.93E-01	2.01E-01	1.20E+01	2.43E+00	9.65E-04	9.79E-03	5.88E-03	2.45E+00
5495	489814.94	3859385.33	2.30E+00	8.09E-04	9.36E-03	5.69E-03	2.31E+00	2.40E+00	8.27E+00	8.54E-01	1.95E-01	1.17E+01	2.39E+00	9.47E-04	9.36E-03	5.69E-03	2.41E+00
5496	489853.42	3859330.74	2.31E+00	7.80E-04	1.06E-02	5.74E-03	2.33E+00	2.41E+00	7.97E+00	9.70E-01	1.96E-01	1.15E+01	2.41E+00	9.12E-04	1.06E-02	5.74E-03	2.42E+00
5497	489969.5	3859401.91	2.26E+00	7.57E-04	9.81E-03	5.78E-03	2.28E+00	2.36E+00	7.73E+00	8.95E-01	1.98E-01	1.12E+01	2.35E+00	8.85E-04	9.81E-03	5.78E-03	2.37E+00
5498	490166.91	3859486.96	2.05E+00	7.23E-04	9.38E-03	6.32E-03	2.07E+00	2.14E+00	7.38E+00	8.55E-01	2.16E-01	1.06E+01	2.14E+00	8.45E-04	9.38E-03	6.32E-03	2.15E+00
5499	490128.86	3859571.46	2.11E+00	7.76E-04	8.07E-03	6.46E-03	2.13E+00	2.20E+00	7.93E+00	7.36E-01	2.21E-01	1.11E+01	2.20E+00	9.08E-04	8.07E-03	6.46E-03	2.21E+00
5500	490186.65	3859593.65	2.10E+00	7.59E-04	7.92E-03	6.33E-03	2.11E+00	2.19E+00	7.76E+00	7.22E-01	2.17E-01	1.09E+01	2.19E+00	8.89E-04	7.92E-03	6.33E-03	2.20E+00
5501	490223.74	3859517.48	2.05E+00	7.11E-04	8.95E-03	6.20E-03	2.06E+00	2.14E+00	7.26E+00	8.16E-01	2.12E-01	1.04E+01	2.13E+00	8.32E-04	8.95E-03	6.20E-03	2.15E+00
5502	490846.34	3859817.22	1.89E+00	5.85E-04	7.83E-03	5.50E-03	1.90E+00	1.97E+00	5.98E+00	7.14E-01	1.88E-01	8.85E+00	1.97E+00	6.84E-04	7.83E-03	5.50E-03	1.98E+00
5503	490925.65	3859844.59	1.90E+00	5.69E-04	7.60E-03	5.43E-03	1.91E+00	1.98E+00	5.81E+00	6.93E-01	1.86E-01	8.67E+00	1.98E+00	6.66E-04	7.60E-03	5.43E-03	1.99E+00
5504	491159.29	3859896.28	1.84E+00	5.41E-04	6.82E-03	5.52E-03	1.86E+00	1.92E+00	5.53E+00	6.22E-01	1.89E-01	8.27E+00	1.92E+00	6.33E-04	6.82E-03	5.52E-03	1.93E+00
5505	491370.69	3859960.89	1.71E+00	5.21E-04	6.20E-03	5.55E-03	1.72E+00	1.79E+00	5.32E+00	5.66E-01	1.90E-01	7.87E+00	1.78E+00	6.10E-04	6.20E-03	5.55E-03	1.80E+00
5506	491330.28	3860063.17	1.69E+00	5.48E-04	6.10E-03	5.89E-03	1.70E+00	1.76E+00	5.60E+00	5.56E-01	2.01E-01	8.12E+00	1.76E+00	6.41E-04	6.10E-03	5.89E-03	1.77E+00
5507	491636.45	3860180.75	1.63E+00	5.13E-04	5.34E-03	5.76E-03	1.64E+00	1.70E+00	5.25E+00	4.87E-01	1.97E-01	7.63E+00	1.69E+00	6.01E-04	5.34E-03	5.76E-03	1.71E+00
5508	491617.94	3860203.93	1.59E+00	5.24E-04	5.38E-03	5.74E-03	1.60E+00	1.66E+00	5.35E+00	4.91E-01	1.96E-01	7.70E+00	1.66E+00	6.13E-04	5.38E-03	5.74E-03	1.67E+00
5509	491805.68	3860271.59	1.54E+00	5.02E-04	5.01E-03	5.69E-03	1.55E+00	1.60E+00	5.13E+00	4.57E-01	1.94E-01	7.38E+00	1.60E+00	5.87E-04	5.01E-03	5.69E-03	1.61E+00
5510	491654.23	3860414.02	1.38E+00	5.46E-04	4.61E-03	5.61E-03	1.39E+00	1.44E+00	5.58E+00	4.20E-01	1.92E-01	7.63E+00	1.44E+00	6.39E-04	4.61E-03	5.61E-03	1.45E+00
5511	491592.62	3860510.76	1.37E+00	5.64E-04	4.57E-03	5.21E-03	1.38E+00	1.43E+00	5.76E+00	4.16E-01	1.78E-01	7.78E+00	1.43E+00	6.60E-04	4.57E-03	5.21E-03	1.44E+00
5512	491475.41	3860368.93	1.40E+00	5.62E-04	4.85E-03	5.34E-03	1.41E+00	1.47E+00	5.74E+00	4.43E-01	1.83E-01	7.83E+00	1.46E+00	6.57E-04	4.85E-03	5.34E-03	1.47E+00
5513	491445.61	3860337.28	1.41E+00	5.67E-04	4.90E-03	5.34E-03	1.42E+00	1.47E+00	5.79E+00	4.47E-01	1.83E-01	7.89E+00	1.47E+00	6.63E-04	4.90E-03	5.34E-03	1.48E+00
5514	491399.05	3860300.37	1.43E+00	5.75E-04	5.01E-03	5.42E-03	1.44E+00	1.49E+00	5.87E+00	4.57E-01	1.85E-01	8.01E+00	1.49E+00	6.73E-04	5.01E-03	5.42E-03	1.50E+00
5515	491228.84	3860235.98	1.51E+00	5.99E-04	5.34E-03	5.54E-03	1.52E+00	1.58E+00	6.12E+00	4.87E-01	1.89E-01	8.37E+00	1.58E+00	7.00E-04	5.34E-03	5.54E-03	1.59E+00
5516	491228.47	3860174.57	1.51E+00	5.94E-04	5.31E-03	5.62E-03	1.52E+00	1.57E+00	6.07E+00	4.85E-01	1.92E-01	8.32E+00	1.57E+00	6.95E-04	5.31E-03	5.62E-03	1.58E+00
5517	491145.77	3860112.55	1.55E+00	5.96E-04	5.43E-03	5.86E-03	1.57E+00	1.62E+00	6.08E+00	4.95E-01	2.00E-01	8.40E+00	1.62E+00	6.97E-04	5.43E-03	5.86E-03	1.63E+00
5518	490844.41	3859966.22	1.73E+00	6.39E-04	6.17E-03	5.97E-03	1.75E+00	1.81E+00	6.53E+00	5.63E-01	2.04E-01	9.10E+00	1.81E+00	7.47E-04	6.17E-03	5.97E-03	1.82E+00
5519	490845.55	3859928.15	1.73E+00	6.25E-04	6.13E-03	5.84E-03	1.74E+00	1.80E+00	6.39E+00	5.59E-01	2.00E-01	8.95E+00	1.80E+00	7.31E-04	6.13E-03	5.84E-03	1.81E+00
5520	490046.91	3859625.6	2.09E+00	8.04E-04	7.81E-03	6.59E-03	2.10E+00	2.18E+00	8.22E+00	7.12E-01	2.25E-01	1.13E+01	2.18E+00	9.41E-04	7.81E-03	6.59E-03	2.19E+00
5521	489970.48	3859589.4	2.13E+00	8.29E-04	7.88E-03	6.70E-03	2.15E+00	2.23E+00	8.47E+00	7.19E-01	2.29E-01	1.16E+01	2.22E+00	9.70E-04	7.88E-03	6.70E-03	2.24E+00
5522	489865.89	3859529.06	2.20E+00	8.59E-04	8.03E-03	7.02E-03	2.22E+00	2.30E+00	8.78E+00	7.32E-01	2.40E-01	1.20E+01	2.29E+00	1.00E-03	8.03E-03	7.02E-03	2.31E+00
5523	489826.89	3859531.74	2.25E+00	8.80E-04	7.92E-03	7.09E-03	2.27E+00	2.35E+00	8.99E+00	7.23E-01	2.43E-01	1.23E+01	2.34E+00	1.03E-03	7.92E-03	7.09E-03	2.36E+00
5524	489410.47	3859303.06	2.51E+00	1.00E-03	8.35E-03	6.29E-03	2.52E+00	2.62E+00	1.02E+01	7.62E-01	2.15E-01	1.38E+01	2.61E+00	1.17E-03	8.35E-03	6.29E-03	2.63E+00
5525	489407.15	3859286.09	2.48E+00	9.95E-04	8.56E-03	6.35E-03	2.50E+00	2.59E+00	1.02E+01	7.81E-01	2.17E-01	1.38E+01	2.59E+00	1.16E-03	8.56E-03	6.35E-03	2.60E+00
5526	488806.07	3858963.62	2.99E+00	1.37E-03	5.60E-03	6.59E-03	3.01E+00	3.12E+00	1.40E+01	5.11E-01	2.25E-01	1.79E+01	3.12E+00	1.60E-03	5.60E-03	6.59E-03	3.13E+00
5527	488817.64	3859546.3	2.53E+00	1.93E-03	3.09E-03	1.24E-02	2.55E+00	2.64E+00	1.97E+01	2.82E-01	4.23E-01	2.31E+01	2.64E+00	2.26E-03	3.09E-03	1.24E-02	2.65E+00
5528	489187.25	3859549.52	2.54E+00	1.34E-03	2.99E-03	7.38E-03	2.55E+00	2.65E+00	1.37E+01	2.72E-01	2.53E-01	1.68E+01	2.64E+00	1.56E-03	2.99E-03	7.38E-03	2.65E+00
5529	489187.66	3859523.74	2.57E+00	1.34E-03	3.11E-03	7.74E-03	2.59E+00	2.69E+00	1.37E+01	2.84E-01	2.65E-01	1.69E+01	2.68E+00	1.56E-03	3.11E-03	7.74E-03	2.69E+00
5530	489232.59	3859522.85	2.31E+00	1.28E-03	3.40E-03	7.45E-03	2.32E+00	2.41E+00	1.31E+01	3.10E-01	2.55E-01	1.61E+01	2.40E+00	1.50E-03	3.40E-03	7.45E-03	2.42E+00
5531	489224.98	3859759.91	2.32E+00	1.28E-03	2.94E-03	7.77E-03	2.33E+00	2.42E+00	1.31E+01	2.68E-01	2.66E-01	1.61E+01	2.42E+00	1.50E-03	2.94E-03	7.77E-03	2.43E+00
5532	488401.39	3859763.34	2.46E+00	2.00E-03	2.45E-03	2.10E-02	2.49E+00	2.57E+00	2.05E+01	2.24E-01	7.18E-01	2.40E+01	2.56E+00	2.35E-03	2.45E-03	2.10E-02	2.59E+00
5533	488405.51	3859966.16	2.27E+00	2.01E-03	2.29E-03	8.41E-03	2.28E+00	2.37E+00	2.05E+01	2.09E-01	2.88E-01	2.34E+01	2.36E+00	2.35E-03	2.29E-03	8.41E-03	2.38E+00
5534	489202.85	3859956.57	2.32E+00	1.13E-03	2.68E-03	1.27E-02	2.34E+00	2.43E+00	1.15E+01	2.44E-01	4.35E-01	1.46E+01	2.42E+00	1.32E-03	2.68E-03	1.27E-02	2.44E+00
5535	489191.9	3860676.74	1.78E+00	1.71E-03	1.57E-03	5.00E-03	1.79E+00	1.86E+00	1.74E+01	1.43E-01	1.71E-01	1.96E+01	1.85E+00	2.00E-03	1.57E-03	5.00E-03	1.86E+00
5536	488392.82	3860687.88	1.67E+00	1.63E-03	1.77E-03	3.95E-03	1.68E+00	1.75E+00	1.67E+01	1.62E-01	1.35E-01	1.87E+01	1.74E+00	1.91E-03	1.77E-03	3.95E-03	1.75E+00
5537	488392.82	3860760.27	1.66E+00	1.49E-03	1.72E-03	3.73E-03	1.67E+00	1.74E+00	1.52E+01	1.57E-01	1.27E-01	1.72E+01	1.73E+00	1.74E-03	1.72E-03	3.73E-03	1.74E+00
5538	487549.05	3860777.45	1.45E+00	9.51E-04	1.46E-03	3.40E-03	1.45E+00	1.51E+00	9.71E+00	1.33E-01	1.16E-01	1.15E+01	1.51E+00	1.11E-03	1.46E-03	3.40E-03	1.51E+00
5539	487554.62	3859571.83	2.08E+00	1.64E-03	2.36E-03	8.03E-03	2.09E+00	2.17E+00	1.67E+01	2.15E-01	2.75E-01	1.94E+01	2.16E+00	1.91E-03	2.36E-03	8.03E-03	2.17E+00
5540	485949.46	3859558.54	1.37E+00	7.17E-04	4.83E-03	3.70E-03	1.38E+00	1.43E+00	7.33E+00	4.40E-01	1.27E-01	9.32E+00	1.42E+00	8.39E-04	4.83E-03	3.70E-03	1.43E+00
5541	485947.55	3857943.61	2.33E+00	1.49E-03	1.03E-02	3.29E-03	2.34E+00	2.43E+00	1.52E+01	9.37E-01	1.12E-01	1.87E+01	2.43E+00	1.74E-03	1.03E-02	3.29E-03	2.44E+00
5542	484738.38	3857940.21	1.62E+00	8.57E-04	5.26E-03	2.63E-03	1.63E+00	1.69E+00	8.76E+00	4.80E-01	8.98E-02	1.10E+01	1.69E+00	1.00E-03	5.26E-03	2.63E-03	1.70E+00
5543	484737.06	3857535.68	1.87E+00	1.14E-03	6.35E-03	2.91E-03	1.88E+00	1.95E+00	1.16E+01	5.80E-01	9.96E-02	1.42E+01	1.95E+00	1.33E-03	6.35E-03	2.91E-03	1.96E+00
5544	483730.2	3857530.13	1.60E+00	6.90E-04	3.77E-03	3.35E-03	1.60E+00	1.66E+00	7.05E+00	3.44E-01	1.15E-01	9.17E+00	1.66E+00	8.07E-04	3.77E-03	3.35E-03	1.67E+00
5545	483727.27	3857130.01	1.76E+00	1.14E-03	5.66E-03	3.96E-03	1.77E+00	1.83E+00	1.17E+01	5.16E-01	1.35E-01	1.41E+01	1.83E+00	1.34E-03	5.66E-03	3.96E-03	1.84E+00
5546	483124.42	3857123.45	1.61E+00	6.97E-04	3.94E-03	3.48E-03	1.62E+00	1.68E+00	7.12E+00	3.59E-01	1.19E-01	9.28E+00	1.68E+00	8.16E-04	3.94E-03	3.48E-03	1.69E+00
5547	483111.13	3855921.03	2.28E+00	1.44E-03	2.63E-03	7.24E-03	2.29E+00	2.38E+00	1.47E+01	2.40E-01	2.48E-01	1.76E+01	2.37E+00	1.69E-03	2.63E-03	7.24E-03	2.38E+00

5548	482701.73	3855918.24	2.09E+00	1.02E-03	2.87E-03	4.99E-03	2.10E+00	2.18E+00	1.04E+01	2.62E-01	1.71E-01	1.30E+01	2.18E+00	1.19E-03	2.87E-03	4.99E-03	2.19E+00
5549	482668.02	3853521.78	2.24E+00	3.79E-04	8.42E-04	1.75E-03	2.24E+00	2.33E+00	3.88E+00	7.68E-02	5.99E-02	6.34E+00	2.33E+00	4.44E-04	8.42E-04	1.75E-03	2.33E+00
5550	482579.91	3853219.19	2.50E+00	3.42E-04	7.97E-04	1.59E-03	2.50E+00	2.61E+00	3.50E+00	7.27E-02	5.42E-02	6.23E+00	2.60E+00	4.00E-04	7.97E-04	1.59E-03	2.60E+00
5551	482434.06	3852961.94	2.57E+00	3.21E-04	7.58E-04	1.44E-03	2.58E+00	2.69E+00	3.28E+00	6.91E-02	4.94E-02	6.08E+00	2.68E+00	3.75E-04	7.58E-04	1.44E-03	2.68E+00
5552	482332.11	3852832.85	2.44E+00	3.08E-04	7.44E-04	1.37E-03	2.44E+00	2.55E+00	3.15E+00	6.79E-02	4.67E-02	5.81E+00	2.54E+00	3.61E-04	7.44E-04	1.37E-03	2.54E+00
5553	481334.99	3851818.96	1.75E+00	2.57E-04	6.34E-04	9.52E-04	1.75E+00	1.82E+00	2.63E+00	5.78E-02	3.26E-02	4.54E+00	1.82E+00	3.01E-04	6.34E-04	9.52E-04	1.82E+00
5554	481127.62	3851646.36	1.61E+00	2.61E-04	6.17E-04	9.40E-04	1.61E+00	1.67E+00	2.66E+00	5.63E-02	3.21E-02	4.43E+00	1.67E+00	3.05E-04	6.17E-04	9.40E-04	1.67E+00
5555	481025.04	3851591.73	1.54E+00	2.65E-04	6.07E-04	9.18E-04	1.54E+00	1.60E+00	2.70E+00	5.54E-02	3.14E-02	4.39E+00	1.60E+00	3.10E-04	6.07E-04	9.18E-04	1.60E+00
5556	480513.6	3851335.76	1.15E+00	2.56E-04	5.84E-04	8.48E-04	1.15E+00	1.20E+00	2.62E+00	5.33E-02	2.90E-02	3.90E+00	1.20E+00	3.00E-04	5.84E-04	8.48E-04	1.20E+00
5557	480523.56	3851317.66	1.21E+00	2.56E-04	5.84E-04	8.42E-04	1.22E+00	1.27E+00	2.61E+00	5.33E-02	2.88E-02	3.96E+00	1.26E+00	2.99E-04	5.84E-04	8.42E-04	1.27E+00
5558	476921.56	3849569.11	5.47E-01	2.00E-04	4.43E-04	5.40E-04	5.48E-01	5.70E-01	2.05E+00	4.04E-02	1.85E-02	2.68E+00	5.69E-01	2.34E-04	4.43E-04	5.40E-04	5.71E-01
5559	476521.19	3849373.96	5.13E-01	1.49E-04	4.30E-04	5.37E-04	5.14E-01	5.36E-01	1.52E+00	3.92E-02	1.84E-02	2.11E+00	5.35E-01	1.74E-04	4.30E-04	5.37E-04	5.36E-01
5560	476391.45	3849333.38	4.89E-01	1.25E-04	4.26E-04	5.32E-04	4.90E-01	5.10E-01	1.27E+00	3.89E-02	1.82E-02	1.84E+00	5.09E-01	1.46E-04	4.26E-04	5.32E-04	5.10E-01
5561	476219.41	3849304.29	4.60E-01	1.21E-04	4.22E-04	5.38E-04	4.61E-01	4.80E-01	1.23E+00	3.85E-02	1.84E-02	1.77E+00	4.79E-01	1.41E-04	4.22E-04	5.38E-04	4.81E-01
5562	475679.11	3849218.47	4.38E-01	1.05E-04	4.09E-04	5.40E-04	4.39E-01	4.57E-01	1.07E+00	3.73E-02	1.85E-02	1.59E+00	4.56E-01	1.23E-04	4.09E-04	5.40E-04	4.57E-01
5563	475677.71	3849233.88	4.48E-01	1.05E-04	4.10E-04	5.40E-04	4.49E-01	4.68E-01	1.08E+00	3.73E-02	1.85E-02	1.60E+00	4.67E-01	1.23E-04	4.10E-04	5.40E-04	4.68E-01
5564	475492.74	3849204.66	4.06E-01	8.88E-05	4.04E-04	5.20E-04	4.07E-01	4.23E-01	9.07E-01	3.68E-02	1.78E-02	1.39E+00	4.22E-01	1.04E-04	4.04E-04	5.20E-04	4.23E-01
5565	475497.64	3849158.75	4.16E-01	9.69E-05	4.02E-04	5.28E-04	4.17E-01	4.34E-01	9.90E-01	3.67E-02	1.81E-02	1.48E+00	4.33E-01	1.13E-04	4.02E-04	5.28E-04	4.34E-01
5566	475391.35	3849141.94	4.22E-01	9.78E-05	4.03E-04	5.15E-04	4.23E-01	4.40E-01	9.99E-01	3.68E-02	1.76E-02	1.49E+00	4.39E-01	1.14E-04	4.03E-04	5.15E-04	4.40E-01
5567	475277	3849095.47	4.22E-01	9.89E-05	4.02E-04	5.08E-04	4.23E-01	4.40E-01	1.01E+00	3.67E-02	1.74E-02	1.50E+00	4.39E-01	1.16E-04	4.02E-04	5.08E-04	4.40E-01
5568	475183.93	3849025.66	4.09E-01	9.54E-05	3.99E-04	5.03E-04	4.10E-01	4.27E-01	9.75E-01	3.64E-02	1.72E-02	1.46E+00	4.26E-01	1.12E-04	3.99E-04	5.03E-04	4.27E-01
5569	474453.23	3848378.77	3.49E-01	8.42E-05	3.75E-04	4.75E-04	3.50E-01	3.64E-01	8.60E-01	3.42E-02	1.62E-02	1.28E+00	3.64E-01	9.85E-05	3.75E-04	4.75E-04	3.65E-01
5570	474569.63	3848399.34	3.25E-01	8.83E-05	3.77E-04	4.84E-04	3.26E-01	3.39E-01	9.02E-01	3.43E-02	1.65E-02	1.29E+00	3.39E-01	1.03E-04	3.77E-04	4.84E-04	3.40E-01
5571	474644.33	3848464.52	3.36E-01	8.99E-05	3.79E-04	4.88E-04	3.37E-01	3.51E-01	9.18E-01	3.45E-02	1.67E-02	1.32E+00	3.50E-01	1.05E-04	3.79E-04	4.88E-04	3.51E-01
5572	474719.04	3848529.7	3.46E-01	9.06E-05	3.81E-04	4.90E-04	3.47E-01	3.61E-01	9.25E-01	3.47E-02	1.68E-02	1.34E+00	3.60E-01	1.06E-04	3.81E-04	4.90E-04	3.61E-01
5573	474793.74	3848594.88	3.54E-01	9.05E-05	3.82E-04	4.93E-04	3.55E-01	3.69E-01	9.25E-01	3.49E-02	1.69E-02	1.35E+00	3.68E-01	1.06E-04	3.82E-04	4.93E-04	3.69E-01
5574	474868.45	3848660.07	3.63E-01	8.95E-05	3.84E-04	4.95E-04	3.64E-01	3.79E-01	9.14E-01	3.50E-02	1.69E-02	1.34E+00	3.78E-01	1.05E-04	3.84E-04	4.95E-04	3.79E-01
5575	474943.15	3848725.25	3.78E-01	8.95E-05	3.86E-04	4.98E-04	3.79E-01	3.95E-01	9.14E-01	3.52E-02	1.70E-02	1.36E+00	3.94E-01	1.05E-04	3.86E-04	4.98E-04	3.95E-01
5576	475017.86	3848790.43	3.93E-01	9.11E-05	3.88E-04	5.01E-04	3.94E-01	4.10E-01	9.31E-01	3.54E-02	1.71E-02	1.39E+00	4.09E-01	1.07E-04	3.88E-04	5.01E-04	4.10E-01
5577	475092.56	3848855.61	4.05E-01	9.34E-05	3.91E-04	5.04E-04	4.06E-01	4.23E-01	9.54E-01	3.57E-02	1.72E-02	1.43E+00	4.22E-01	1.09E-04	3.91E-04	5.04E-04	4.23E-01
5578	475232.58	3848959.38	4.09E-01	9.62E-05	3.95E-04	5.11E-04	4.10E-01	4.27E-01	9.83E-01	3.61E-02	1.75E-02	1.46E+00	4.26E-01	1.13E-04	3.95E-04	5.11E-04	4.27E-01
5579	475368.47	3849029.98	4.19E-01	9.73E-05	3.98E-04	5.22E-04	4.20E-01	4.37E-01	9.95E-01	3.63E-02	1.79E-02	1.49E+00	4.36E-01	1.14E-04	3.98E-04	5.22E-04	4.37E-01
5580	475609.57	3849096.09	3.82E-01	9.33E-05	4.02E-04	5.31E-04	3.83E-01	3.99E-01	9.53E-01	3.67E-02	1.82E-02	1.41E+00	3.98E-01	1.09E-04	4.02E-04	5.31E-04	3.99E-01
5581	475680.68	3849116.62	3.86E-01	9.42E-05	4.05E-04	5.38E-04	3.87E-01	4.03E-01	9.62E-01	3.69E-02	1.84E-02	1.42E+00	4.02E-01	1.10E-04	4.05E-04	5.38E-04	4.03E-01
5582	475843.76	3849151.52	4.26E-01	1.05E-04	4.10E-04	5.40E-04	4.27E-01	4.45E-01	1.07E+00	3.74E-02	1.85E-02	1.57E+00	4.44E-01	1.23E-04	4.10E-04	5.40E-04	4.45E-01
5583	475935.73	3849165.89	4.47E-01	1.06E-04	4.13E-04	5.40E-04	4.48E-01	4.67E-01	1.08E+00	3.77E-02	1.85E-02	1.61E+00	4.66E-01	1.24E-04	4.13E-04	5.40E-04	4.67E-01
5584	476027.71	3849180.27	4.47E-01	1.15E-04	4.16E-04	5.34E-04	4.48E-01	4.67E-01	1.18E+00	3.80E-02	1.83E-02	1.70E+00	4.66E-01	1.35E-04	4.16E-04	5.34E-04	4.67E-01
5585	476119.68	3849194.64	4.52E-01	1.16E-04	4.17E-04	5.27E-04	4.53E-01	4.72E-01	1.18E+00	3.80E-02	1.80E-02	1.71E+00	4.71E-01	1.35E-04	4.17E-04	5.27E-04	4.72E-01
5586	476211.65	3849209.01	4.74E-01	1.15E-04	4.19E-04	5.24E-04	4.75E-01	4.95E-01	1.17E+00	3.82E-02	1.79E-02	1.72E+00	4.94E-01	1.34E-04	4.19E-04	5.24E-04	4.95E-01
5587	476497.8	3849283.9	5.32E-01	1.46E-04	4.26E-04	5.27E-04	5.33E-01	5.55E-01	1.49E+00	3.88E-02	1.80E-02	2.10E+00	5.54E-01	1.71E-04	4.26E-04	5.27E-04	5.55E-01
5588	476603.73	3849323.77	5.25E-01	1.66E-04	4.29E-04	5.26E-04	5.26E-01	5.47E-01	1.70E+00	3.92E-02	1.80E-02	2.30E+00	5.46E-01	1.94E-04	4.29E-04	5.26E-04	5.47E-01
5589	476728.99	3849382.76	5.24E-01	1.80E-04	4.33E-04	5.25E-04	5.25E-01	5.47E-01	1.84E+00	3.95E-02	1.80E-02	2.44E+00	5.46E-01	2.10E-04	4.33E-04	5.25E-04	5.47E-01
5590	476801.27	3849418.65	5.23E-01	1.83E-04	4.36E-04	5.30E-04	5.24E-01	5.46E-01	1.87E+00	3.98E-02	1.81E-02	2.47E+00	5.45E-01	2.14E-04	4.36E-04	5.30E-04	5.46E-01
5591	476956.2	3849495.05	5.30E-01	1.90E-04	4.41E-04	5.41E-04	5.31E-01	5.53E-01	1.95E+00	4.02E-02	1.85E-02	2.56E+00	5.52E-01	2.23E-04	4.41E-04	5.41E-04	5.53E-01
5592	477038.84	3849535.56	5.64E-01	1.94E-04	4.44E-04	5.48E-04	5.65E-01	5.88E-01	1.98E+00	4.05E-02	1.87E-02	2.62E+00	5.87E-01	2.26E-04	4.44E-04	5.48E-04	5.88E-01
5593	477121.48	3849576.08	5.84E-01	1.97E-04	4.46E-04	5.54E-04	5.85E-01	6.10E-01	2.01E+00	4.07E-02	1.89E-02	2.68E+00	6.08E-01	2.31E-04	4.46E-04	5.54E-04	6.10E-01
5594	477204.13	3849616.6	6.04E-01	1.99E-04	4.49E-04	5.62E-04	6.06E-01	6.31E-01	2.03E+00	4.09E-02	1.92E-02	2.72E+00	6.29E-01	2.32E-04	4.49E-04	5.62E-04	6.31E-01
5595	477286.78	3849657.12	6.30E-01	1.95E-04	4.50E-04	5.60E-04	6.31E-01	6.58E-01	2.00E+00	4.10E-02	1.92E-02	2.71E+00	6.56E-01	2.29E-04	4.50E-04	5.60E-04	6.57E-01
5596	477369.42	3849697.63	6.39E-01	2.03E-04	4.55E-04	5.53E-04	6.40E-01	6.67E-01	2.08E+00	4.15E-02	1.89E-02	2.80E+00	6.65E-01	2.38E-04	4.55E-04	5.53E-04	6.67E-01
5597	477452.07	3849738.15	6.48E-01	2.03E-04	4.57E-04	5.42E-04	6.49E-01	6.76E-01	2.08E+00	4.17E-02	1.85E-02	2.81E+00	6.75E-01	2.38E-04	4.57E-04	5.42E-04	6.76E-01
5598	477534.71	3849778.67	6.57E-01	2.11E-04	4.61E-04	5.29E-04	6.58E-01	6.86E-01	2.16E+00	4.20E-02	1.81E-02	2.90E+00	6.84E-01	2.47E-04	4.61E-04	5.29E-04	6.86E-01
5599	477617.35	3849819.18	6.64E-01	2.14E-04	4.64E-04	5.15E-04	6.65E-01	6.93E-01	2.18E+00	4.23E-02	1.76E-02	2.94E+00	6.91E-01	2.50E-04	4.64E-04	5.15E-04	6.92E-01
5600	477824.74	3849896.37	6.06E-01	2.20E-04	4.71E-04	4.96E-04	6.07E-01	6.32E-01	2.24E+00	4.30E-02	1.69E-02	2.94E+00	6.31E-01	2.57E-04	4.71E-04	4.96E-04	6.32E-01
5601	477906.31	3849936.37	5.83E-01	2.10E-04	4.72E-04	4.93E-04	5.85E-01	6.09E-01	2.14E+00	4.30E-02	1.69E-02	2.81E+00	6.08E-01	2.45E-04	4.72E-04	4.93E-04	6.09E-01
5602	477987.89	3849976.36	5.71E-01	2.17E-04	4.75E-04	4.94E-04	5.72E-01	5.95E-01	2.21E+00	4.34E-02	1.69E-02	2.87E+00	5.94E-01	2.53E-04	4.75E-04	4.94E-04	5.95E-01
5603	478069.47	3850016.36	5.56E-01	2.07E-04	4.77E-04	4.97E-04	5.57E-01	5.80E-01	2.11E+00	4.35E-02	1.70E-02	2.75E+00	5.79E-01	2.42E-04	4.77E-04	4.97E-04	5.80E-01
5604	478151.04	3850056.35	5.44E-01	2.03E-04	4.79E-04	5.04E-04	5.46E-01	5.68E-01	2.08E+00	4.37E-02	1.72E-02	2.71E+00	5.67E-01	2.38E-04	4.79E-04	5.04E-04	5.68E-01
5605	478232.62	3850096.35	5.37E-01	2.05E-04	4.82E-04	5.17E-04	5.39E-01	5.61E-01	2.10E+00	4.39E-02	1.77E-02	2.72E+00	5.60E-01	2.40E-04	4.82E-04	5.17E-04	5.61E-01
5606	478314.2	3850136.34	5.40E-01	2.10E-04	4.87E-04	5.30E-04	5.41E-01	5.64E-01	2.14E+00	4.44E-02	1.81E-02	2.77E+00	5.62E-01	2.45E-04	4.87E-04	5.30E-04	5.64E-01
5607	478395.77	3850176.34	5.43E-01	2.14E-04	4.95E-04	5.43E-04	5.44E-01	5.66E-01	2.19E+00	4.52E-02	1.86E-02	2.82E+00	5.65E-01	2.51E-04	4.95E-04	5.43E-04	5.66E-01
5608	478575.43	3850244.45	5.68E-01	2.13E-04	5.05E-04	5.75E-04	5.70E-01	5.93E-01	2.18E+00	4.61E-02	1.97E-02	2.84E+00	5.92E-01	2.50E-04	5.05E-04	5.75E-04	5.93E-01

5609	478665.06	3850287.29	5.57E-01	2.12E-04	5.08E-04	5.87E-04	5.58E-01	5.81E-01	2.17E+00	4.63E-02	2.01E-02	2.82E+00	5.80E-01	2.48E-04	5.08E-04	5.87E-04	5.81E-01
5610	478754.69	3850330.14	6.18E-01	2.16E-04	5.08E-04	5.87E-04	6.19E-01	6.45E-01	2.21E+00	4.63E-02	2.01E-02	2.92E+00	6.44E-01	2.53E-04	5.08E-04	5.87E-04	6.45E-01
5611	478844.32	3850372.99	6.04E-01	2.13E-04	5.07E-04	5.88E-04	6.05E-01	6.30E-01	2.18E+00	4.63E-02	2.01E-02	2.87E+00	6.29E-01	2.49E-04	5.07E-04	5.88E-04	6.30E-01
5612	478933.95	3850415.84	5.76E-01	2.20E-04	5.10E-04	5.84E-04	5.78E-01	6.01E-01	2.24E+00	4.65E-02	2.00E-02	2.91E+00	6.00E-01	2.57E-04	5.10E-04	5.84E-04	6.01E-01
5613	479023.58	3850458.68	5.71E-01	2.22E-04	5.14E-04	5.88E-04	5.73E-01	5.96E-01	2.27E+00	4.68E-02	2.01E-02	2.93E+00	5.95E-01	2.60E-04	5.14E-04	5.88E-04	5.96E-01
5614	479110.66	3850441.9	6.45E-01	2.24E-04	5.17E-04	5.92E-04	6.47E-01	6.73E-01	2.29E+00	4.71E-02	2.02E-02	3.03E+00	6.72E-01	2.62E-04	5.17E-04	5.92E-04	6.73E-01
5615	479191.22	3850423.99	6.59E-01	2.13E-04	5.18E-04	5.97E-04	6.60E-01	6.87E-01	2.18E+00	4.73E-02	2.04E-02	2.93E+00	6.86E-01	2.50E-04	5.18E-04	5.97E-04	6.87E-01
5616	479274.32	3850465.71	6.63E-01	2.10E-04	5.22E-04	6.06E-04	6.64E-01	6.92E-01	2.15E+00	4.76E-02	2.07E-02	2.91E+00	6.90E-01	2.46E-04	5.22E-04	6.06E-04	6.92E-01
5617	479357.43	3850507.42	6.64E-01	2.03E-04	5.24E-04	6.19E-04	6.65E-01	6.92E-01	2.07E+00	4.78E-02	2.12E-02	2.83E+00	6.91E-01	2.37E-04	5.24E-04	6.19E-04	6.92E-01
5618	479440.53	3850549.14	6.85E-01	1.94E-04	5.22E-04	6.34E-04	6.86E-01	7.14E-01	1.98E+00	4.76E-02	2.17E-02	2.76E+00	7.13E-01	2.27E-04	5.22E-04	6.34E-04	7.14E-01
5619	479523.64	3850590.85	7.06E-01	1.96E-04	5.20E-04	6.54E-04	7.08E-01	7.37E-01	2.01E+00	4.74E-02	2.24E-02	2.81E+00	7.36E-01	2.30E-04	5.20E-04	6.54E-04	7.37E-01
5620	479606.74	3850632.57	7.35E-01	2.02E-04	5.23E-04	6.79E-04	7.36E-01	7.66E-01	2.07E+00	4.77E-02	2.32E-02	2.91E+00	7.65E-01	2.37E-04	5.23E-04	6.79E-04	7.66E-01
5621	479777.37	3850707.61	7.51E-01	2.08E-04	5.30E-04	7.18E-04	7.53E-01	7.84E-01	2.12E+00	4.83E-02	2.45E-02	2.98E+00	7.82E-01	2.43E-04	5.30E-04	7.18E-04	7.84E-01
5622	479864.9	3850740.95	8.54E-01	2.08E-04	5.34E-04	7.43E-04	8.55E-01	8.91E-01	2.13E+00	4.87E-02	2.54E-02	3.09E+00	8.89E-01	2.44E-04	5.34E-04	7.43E-04	8.91E-01
5623	479931.87	3850829.56	8.21E-01	2.17E-04	5.39E-04	7.52E-04	8.23E-01	8.57E-01	2.22E+00	4.92E-02	2.57E-02	3.15E+00	8.55E-01	2.54E-04	5.39E-04	7.52E-04	8.57E-01
5624	479995.55	3850926.75	8.20E-01	2.33E-04	5.47E-04	7.62E-04	8.22E-01	8.56E-01	2.38E+00	4.99E-02	2.61E-02	3.31E+00	8.54E-01	2.73E-04	5.47E-04	7.62E-04	8.55E-01
5625	480079.78	3850968.64	9.33E-01	2.33E-04	5.52E-04	7.72E-04	9.34E-01	9.73E-01	2.38E+00	5.03E-02	2.64E-02	3.43E+00	9.71E-01	2.73E-04	5.52E-04	7.72E-04	9.73E-01
5626	480164.01	3851010.54	1.04E+00	2.32E-04	5.57E-04	7.93E-04	1.04E+00	1.09E+00	2.37E+00	5.08E-02	2.71E-02	3.54E+00	1.08E+00	2.72E-04	5.57E-04	7.93E-04	1.09E+00
5627	480248.23	3851052.43	1.14E+00	2.33E-04	5.63E-04	8.06E-04	1.14E+00	1.19E+00	2.38E+00	5.13E-02	2.76E-02	3.65E+00	1.19E+00	2.73E-04	5.63E-04	8.06E-04	1.19E+00
5628	480332.46	3851094.33	1.19E+00	2.40E-04	5.66E-04	8.10E-04	1.20E+00	1.25E+00	2.45E+00	5.16E-02	2.77E-02	3.78E+00	1.24E+00	2.81E-04	5.66E-04	8.10E-04	1.25E+00
5629	480416.69	3851136.22	1.25E+00	2.41E-04	5.66E-04	8.10E-04	1.25E+00	1.31E+00	2.46E+00	5.16E-02	2.77E-02	3.85E+00	1.30E+00	2.82E-04	5.66E-04	8.10E-04	1.31E+00
5630	480579.95	3851215.17	1.38E+00	2.35E-04	5.71E-04	8.43E-04	1.38E+00	1.44E+00	2.40E+00	5.21E-02	2.88E-02	3.92E+00	1.44E+00	2.75E-04	5.71E-04	8.43E-04	1.44E+00
5631	480658.98	3851252.22	1.37E+00	2.39E-04	5.78E-04	8.44E-04	1.37E+00	1.43E+00	2.45E+00	5.27E-02	2.89E-02	3.96E+00	1.43E+00	2.80E-04	5.78E-04	8.44E-04	1.43E+00
5632	480817.36	3851327.85	1.46E+00	2.38E-04	5.93E-04	8.49E-04	1.46E+00	1.52E+00	2.43E+00	5.40E-02	2.90E-02	4.04E+00	1.52E+00	2.78E-04	5.93E-04	8.49E-04	1.52E+00
5633	480896.72	3851366.42	1.53E+00	2.39E-04	5.97E-04	8.71E-04	1.53E+00	1.59E+00	2.44E+00	5.45E-02	2.98E-02	4.11E+00	1.59E+00	2.79E-04	5.97E-04	8.71E-04	1.59E+00
5634	480976.07	3851405	1.55E+00	2.33E-04	6.05E-04	8.93E-04	1.55E+00	1.62E+00	2.38E+00	5.52E-02	3.05E-02	4.08E+00	1.61E+00	2.72E-04	6.05E-04	8.93E-04	1.61E+00
5635	481178	3851487.31	1.63E+00	2.24E-04	6.27E-04	8.93E-04	1.64E+00	1.70E+00	2.29E+00	5.71E-02	3.05E-02	4.08E+00	1.70E+00	2.62E-04	6.27E-04	8.93E-04	1.70E+00
5636	481244.9	3851557.17	1.66E+00	2.24E-04	6.32E-04	9.05E-04	1.67E+00	1.74E+00	2.29E+00	5.76E-02	3.10E-02	4.11E+00	1.73E+00	2.62E-04	6.32E-04	9.05E-04	1.74E+00
5637	481311.81	3851627.03	1.70E+00	2.23E-04	6.37E-04	9.14E-04	1.70E+00	1.77E+00	2.28E+00	5.81E-02	3.13E-02	4.14E+00	1.77E+00	2.61E-04	6.37E-04	9.14E-04	1.77E+00
5638	481378.71	3851696.89	1.74E+00	2.21E-04	6.42E-04	9.24E-04	1.74E+00	1.82E+00	2.26E+00	5.85E-02	3.16E-02	4.17E+00	1.81E+00	2.59E-04	6.42E-04	9.24E-04	1.81E+00
5639	481445.61	3851766.76	1.78E+00	2.20E-04	6.47E-04	9.61E-04	1.79E+00	1.86E+00	2.25E+00	5.90E-02	3.29E-02	4.20E+00	1.86E+00	2.58E-04	6.47E-04	9.61E-04	1.86E+00
5640	481512.51	3851836.62	1.83E+00	2.26E-04	6.52E-04	9.78E-04	1.83E+00	1.91E+00	2.31E+00	5.94E-02	3.34E-02	4.31E+00	1.90E+00	2.65E-04	6.52E-04	9.78E-04	1.91E+00
5641	481579.42	3851906.48	1.88E+00	2.24E-04	6.57E-04	9.93E-04	1.88E+00	1.96E+00	2.29E+00	5.99E-02	3.40E-02	4.34E+00	1.95E+00	2.62E-04	6.57E-04	9.93E-04	1.96E+00
5642	481646.32	3851976.34	1.93E+00	2.25E-04	6.62E-04	1.01E-03	1.93E+00	2.01E+00	2.30E+00	6.04E-02	3.45E-02	4.40E+00	2.01E+00	2.63E-04	6.62E-04	1.01E-03	2.01E+00
5643	481713.22	3852046.2	1.98E+00	2.28E-04	6.66E-04	1.03E-03	1.98E+00	2.07E+00	2.32E+00	6.07E-02	3.53E-02	4.49E+00	2.06E+00	2.66E-04	6.66E-04	1.03E-03	2.06E+00
5644	481780.12	3852116.06	2.03E+00	2.28E-04	6.72E-04	1.05E-03	2.04E+00	2.12E+00	2.33E+00	6.12E-02	3.60E-02	4.55E+00	2.12E+00	2.67E-04	6.72E-04	1.05E-03	2.12E+00
5645	481847.03	3852185.92	2.09E+00	2.41E-04	6.78E-04	1.08E-03	2.09E+00	2.18E+00	2.46E+00	6.19E-02	3.70E-02	4.74E+00	2.18E+00	2.82E-04	6.78E-04	1.08E-03	2.18E+00
5646	481913.93	3852255.78	2.15E+00	2.54E-04	6.86E-04	1.11E-03	2.15E+00	2.24E+00	2.59E+00	6.26E-02	3.81E-02	4.93E+00	2.23E+00	2.97E-04	6.86E-04	1.11E-03	2.24E+00
5647	481980.83	3852325.65	2.19E+00	2.61E-04	6.94E-04	1.14E-03	2.19E+00	2.28E+00	2.67E+00	6.33E-02	3.91E-02	5.06E+00	2.28E+00	3.06E-04	6.94E-04	1.14E-03	2.28E+00
5648	482047.73	3852395.51	2.24E+00	2.62E-04	7.01E-04	1.19E-03	2.24E+00	2.33E+00	2.68E+00	6.39E-02	4.06E-02	5.12E+00	2.33E+00	3.07E-04	7.01E-04	1.19E-03	2.33E+00
5649	482114.64	3852465.37	2.28E+00	2.67E-04	7.10E-04	1.21E-03	2.29E+00	2.38E+00	2.72E+00	6.48E-02	4.14E-02	5.21E+00	2.38E+00	3.12E-04	7.10E-04	1.21E-03	2.38E+00
5650	482181.54	3852535.23	2.34E+00	2.67E-04	7.17E-04	1.24E-03	2.34E+00	2.44E+00	2.73E+00	6.54E-02	4.24E-02	5.28E+00	2.44E+00	3.12E-04	7.17E-04	1.24E-03	2.44E+00
5651	482338.69	3852700.04	2.51E+00	2.87E-04	7.36E-04	1.35E-03	2.51E+00	2.62E+00	2.94E+00	6.72E-02	4.62E-02	5.67E+00	2.61E+00	3.36E-04	7.36E-04	1.35E-03	2.61E+00
5652	482404.05	3852767.78	2.59E+00	2.86E-04	7.44E-04	1.43E-03	2.59E+00	2.70E+00	2.93E+00	6.79E-02	4.89E-02	5.75E+00	2.70E+00	3.35E-04	7.44E-04	1.43E-03	2.70E+00
5653	482469.4	3852835.52	2.68E+00	2.84E-04	7.52E-04	1.45E-03	2.68E+00	2.80E+00	2.90E+00	6.86E-02	4.96E-02	5.82E+00	2.79E+00	3.33E-04	7.52E-04	1.45E-03	2.79E+00
5654	482534.75	3852903.25	2.79E+00	2.87E-04	7.59E-04	1.46E-03	2.79E+00	2.91E+00	2.93E+00	6.92E-02	5.00E-02	5.95E+00	2.90E+00	3.35E-04	7.59E-04	1.46E-03	2.90E+00
5655	482600.11	3852970.98	2.88E+00	3.00E-04	7.67E-04	1.47E-03	2.88E+00	3.00E+00	3.06E+00	7.00E-02	5.03E-02	6.19E+00	3.00E+00	3.51E-04	7.67E-04	1.47E-03	3.00E+00
5656	482706.71	3853119.28	2.99E+00	3.16E-04	7.76E-04	1.60E-03	3.00E+00	3.12E+00	3.23E+00	7.08E-02	5.46E-02	6.48E+00	3.12E+00	3.70E-04	7.76E-04	1.60E-03	3.12E+00
5657	482747.96	3853199.84	2.98E+00	3.27E-04	7.90E-04	1.63E-03	2.98E+00	3.11E+00	3.34E+00	7.20E-02	5.59E-02	6.58E+00	3.10E+00	3.82E-04	7.90E-04	1.63E-03	3.10E+00
5658	482789.21	3853280.4	3.02E+00	3.36E-04	8.00E-04	1.65E-03	3.02E+00	3.15E+00	3.43E+00	7.29E-02	5.63E-02	6.70E+00	3.14E+00	3.93E-04	8.00E-04	1.65E-03	3.14E+00
5659	482830.46	3853360.96	3.02E+00	3.37E-04	8.14E-04	1.68E-03	3.03E+00	3.16E+00	3.45E+00	7.42E-02	5.73E-02	6.73E+00	3.15E+00	3.95E-04	8.14E-04	1.68E-03	3.15E+00
5660	482871.71	3853441.52	2.95E+00	3.43E-04	8.27E-04	1.73E-03	2.96E+00	3.08E+00	3.51E+00	7.55E-02	5.92E-02	6.72E+00	3.08E+00	4.02E-04	8.27E-04	1.73E-03	3.08E+00
5661	482912.95	3853522.07	2.94E+00	3.46E-04	8.32E-04	1.77E-03	2.95E+00	3.07E+00	3.54E+00	7.59E-02	6.05E-02	6.75E+00	3.07E+00	4.05E-04	8.32E-04	1.77E-03	3.07E+00
5662	482954.2	3853602.63	2.88E+00	3.48E-04	8.39E-04	1.80E-03	2.88E+00	3.01E+00	3.55E+00	7.66E-02	6.17E-02	6.70E+00	3.00E+00	4.07E-04	8.39E-04	1.80E-03	3.00E+00
5663	482995.45	3853683.19	2.95E+00	3.44E-04	8.53E-04	1.83E-03	2.95E+00	3.07E+00	3.52E+00	7.78E-02	6.24E-02	6.73E+00	3.07E+00	4.03E-04	8.53E-04	1.83E-03	3.07E+00
5664	483036.7	3853763.75	2.79E+00	3.36E-04	8.70E-04	1.87E-03	2.80E+00	2.92E+00	3.43E+00	7.93E-02	6.39E-02	6.49E+00	2.91E+00	3.93E-04	8.70E-04	1.87E-03	2.91E+00
5665	483214.2	3853909.91	3.16E+00	2.54E-04	8.88E-04	1.88E-03	3.16E+00	3.29E+00	2.60E+00	8.09E-02	6.43E-02	6.04E+00	3.29E+00	2.97E-04	8.88E-04	1.88E-03	3.29E+00
5666	483307.01	3853910.44	3.54E+00	2.47E-04	8.83E-04	1.94E-03	3.54E+00	3.69E+00	2.53E+00	8.05E-02	6.65E-02	6.36E+00	3.68E+00	2.89E-04	8.83E-04	1.94E-03	3.69E+00
5667	483399.83	3853910.96	3.94E+00	2.29E-04	8.80E-04	2.04E-03	3.94E+00	4.11E+00	2.34E+00	8.03E-02	6.99E-02	6.60E+00	4.10E+00	2.68E-04	8.80E-04	2.04E-03	4.11E+00
5668	483494.52	3854009.24	4.09E+00	2.26E-04	8.98E-04	2.04E-03	4.09E+00	4.27E+00	2.31E+00	8.19E-02	6.96E-02	6.72E+00	4.26E+00	2.64E-04	8.98E-04	2.04E-03	4.26E+00
5669	483496.41	3854106.98	3.93E+00	2.36E-04	9.25E-04	2.15E-03	3.94E+00	4.11E+00	2.42E+00	8.44E-02	7.35E-02	6.68E+00	4.10E+00	2.77E-04	9.25E-04	2.15E-03	4.10E+00

5670	483577.56	3854261.96	3.93E+00	2.13E-04	9.69E-04	2.16E-03	3.94E+00	4.11E+00	2.18E+00	8.84E-02	7.39E-02	6.45E+00	4.10E+00	2.50E-04	9.69E-04	2.16E-03	4.10E+00
5671	483656.83	3854319.19	4.20E+00	1.87E-04	9.80E-04	2.44E-03	4.21E+00	4.38E+00	1.91E+00	8.94E-02	8.34E-02	6.47E+00	4.38E+00	2.19E-04	9.80E-04	2.44E-03	4.38E+00
5672	483736.1	3854376.41	4.40E+00	1.65E-04	9.91E-04	2.40E-03	4.40E+00	4.59E+00	1.69E+00	9.04E-02	8.22E-02	6.45E+00	4.58E+00	1.94E-04	9.91E-04	2.40E-03	4.58E+00
5673	483815.36	3854433.64	4.60E+00	1.54E-04	9.94E-04	2.46E-03	4.61E+00	4.80E+00	1.58E+00	9.07E-02	8.41E-02	6.55E+00	4.79E+00	1.81E-04	9.94E-04	2.46E-03	4.80E+00
5674	483894.63	3854490.87	4.64E+00	1.43E-04	1.00E-03	2.86E-03	4.64E+00	4.84E+00	1.46E+00	9.15E-02	9.79E-02	6.48E+00	4.83E+00	1.67E-04	1.00E-03	2.86E-03	4.83E+00
5675	483973.9	3854548.1	4.57E+00	1.34E-04	1.02E-03	3.76E-03	4.58E+00	4.77E+00	1.37E+00	9.26E-02	1.29E-01	6.36E+00	4.76E+00	1.57E-04	1.02E-03	3.76E-03	4.77E+00
5676	484053.17	3854605.32	4.67E+00	1.26E-04	1.03E-03	3.84E-03	4.67E+00	4.87E+00	1.28E+00	9.39E-02	1.31E-01	6.38E+00	4.86E+00	1.47E-04	1.03E-03	3.84E-03	4.86E+00
5677	484214.97	3854698.15	4.81E+00	1.18E-04	1.05E-03	4.86E-03	4.82E+00	5.02E+00	1.20E+00	9.60E-02	1.66E-01	6.49E+00	5.01E+00	1.38E-04	1.05E-03	4.86E-03	5.02E+00
5678	484297.5	3854733.74	5.25E+00	1.18E-04	1.06E-03	5.41E-03	5.25E+00	5.47E+00	1.21E+00	9.68E-02	1.85E-01	6.96E+00	5.46E+00	1.38E-04	1.06E-03	5.41E-03	5.47E+00
5679	484380.03	3854769.34	5.56E+00	1.17E-04	1.07E-03	6.26E-03	5.57E+00	5.81E+00	1.20E+00	9.74E-02	2.14E-01	7.31E+00	5.79E+00	1.37E-04	1.07E-03	6.26E-03	5.80E+00
5680	484462.56	3854804.94	5.77E+00	1.20E-04	1.07E-03	5.87E-03	5.78E+00	6.02E+00	1.22E+00	9.73E-02	2.01E-01	7.54E+00	6.01E+00	1.40E-04	1.07E-03	5.87E-03	6.01E+00
5681	484545.09	3854840.53	5.60E+00	1.16E-04	1.08E-03	5.38E-03	5.60E+00	5.84E+00	1.18E+00	9.84E-02	1.84E-01	7.30E+00	5.83E+00	1.36E-04	1.08E-03	5.38E-03	5.83E+00
5682	484691.88	3854912.58	5.77E+00	1.27E-04	1.17E-03	4.86E-03	5.77E+00	6.02E+00	1.30E+00	1.07E-01	1.66E-01	7.59E+00	6.01E+00	1.48E-04	1.17E-03	4.86E-03	6.01E+00
5683	484830.81	3855012.51	5.81E+00	1.33E-04	1.24E-03	4.29E-03	5.82E+00	6.06E+00	1.36E+00	1.13E-01	1.47E-01	7.68E+00	6.05E+00	1.55E-04	1.24E-03	4.29E-03	6.06E+00
5684	484905.48	3855075.97	6.23E+00	1.42E-04	1.28E-03	4.31E-03	6.23E+00	6.50E+00	1.45E+00	1.17E-01	1.47E-01	8.21E+00	6.49E+00	1.66E-04	1.28E-03	4.31E-03	6.49E+00
5685	484980.14	3855139.44	6.56E+00	1.47E-04	1.32E-03	4.71E-03	6.56E+00	6.84E+00	1.50E+00	1.20E-01	1.61E-01	8.63E+00	6.83E+00	1.72E-04	1.32E-03	4.71E-03	6.83E+00
5686	485054.81	3855202.91	6.61E+00	1.49E-04	1.35E-03	5.23E-03	6.61E+00	6.89E+00	1.52E+00	1.23E-01	1.79E-01	8.72E+00	6.88E+00	1.74E-04	1.35E-03	5.23E-03	6.89E+00
5687	485129.48	3855266.37	6.45E+00	1.46E-04	1.40E-03	5.22E-03	6.45E+00	6.73E+00	1.49E+00	1.28E-01	1.78E-01	8.53E+00	6.71E+00	1.71E-04	1.40E-03	5.22E-03	6.72E+00
5688	485204.15	3855329.84	6.69E+00	1.55E-04	1.45E-03	4.81E-03	6.69E+00	6.98E+00	1.58E+00	1.32E-01	1.65E-01	8.86E+00	6.96E+00	1.81E-04	1.45E-03	4.81E-03	6.97E+00
5689	485278.82	3855393.31	6.65E+00	1.59E-04	1.50E-03	4.84E-03	6.66E+00	6.94E+00	1.62E+00	1.37E-01	1.66E-01	8.87E+00	6.93E+00	1.86E-04	1.50E-03	4.84E-03	6.94E+00
5690	485353.48	3855456.77	6.72E+00	1.62E-04	1.56E-03	5.93E-03	6.73E+00	7.02E+00	1.66E+00	1.42E-01	2.03E-01	9.02E+00	7.00E+00	1.90E-04	1.56E-03	5.93E-03	7.01E+00
5691	485428.15	3855520.24	6.76E+00	1.60E-04	1.62E-03	6.27E-03	6.76E+00	7.05E+00	1.63E+00	1.48E-01	2.14E-01	9.04E+00	7.03E+00	1.87E-04	1.62E-03	6.27E-03	7.04E+00
5692	485502.82	3855583.71	6.83E+00	1.60E-04	1.68E-03	6.40E-03	6.84E+00	7.13E+00	1.63E+00	1.54E-01	2.19E-01	9.13E+00	7.12E+00	1.87E-04	1.68E-03	6.40E-03	7.12E+00
5693	485577.49	3855647.17	7.23E+00	1.67E-04	1.76E-03	7.65E-03	7.24E+00	7.55E+00	1.71E+00	1.60E-01	2.61E-01	9.68E+00	7.53E+00	1.96E-04	1.76E-03	7.65E-03	7.54E+00
5694	485652.16	3855710.64	7.55E+00	1.71E-04	1.85E-03	7.46E-03	7.56E+00	7.88E+00	1.75E+00	1.69E-01	2.55E-01	1.01E+01	7.86E+00	2.01E-04	1.85E-03	7.46E-03	7.87E+00
5695	485726.83	3855774.1	7.84E+00	1.70E-04	1.96E-03	8.41E-03	7.85E+00	8.18E+00	1.74E+00	1.79E-01	2.88E-01	1.04E+01	8.17E+00	1.99E-04	1.96E-03	8.41E-03	8.18E+00
5696	485801.49	3855837.57	7.57E+00	1.67E-04	2.05E-03	1.01E-02	7.59E+00	7.90E+00	1.70E+00	1.87E-01	3.44E-01	1.01E+01	7.89E+00	1.95E-04	2.05E-03	1.01E-02	7.90E+00
5697	485876.16	3855901.04	7.85E+00	1.67E-04	2.16E-03	1.03E-02	7.86E+00	8.19E+00	1.70E+00	1.97E-01	3.51E-01	1.04E+01	8.17E+00	1.95E-04	2.16E-03	1.03E-02	8.18E+00
5698	485950.83	3855964.5	7.67E+00	1.64E-04	2.29E-03	1.04E-02	7.68E+00	8.00E+00	1.68E+00	2.09E-01	3.55E-01	1.02E+01	7.99E+00	1.92E-04	2.29E-03	1.04E-02	8.00E+00
5699	486025.5	3856027.97	7.49E+00	1.56E-04	2.42E-03	1.06E-02	7.51E+00	7.82E+00	1.59E+00	2.21E-01	3.62E-01	9.99E+00	7.80E+00	1.82E-04	2.42E-03	1.06E-02	7.82E+00
5700	486100.17	3856091.44	7.94E+00	1.66E-04	2.58E-03	1.02E-02	7.95E+00	8.28E+00	1.70E+00	2.35E-01	3.50E-01	1.06E+01	8.26E+00	1.94E-04	2.58E-03	1.02E-02	8.28E+00
5701	486174.83	3856154.9	7.64E+00	1.56E-04	2.72E-03	1.04E-02	7.65E+00	7.97E+00	1.60E+00	2.48E-01	3.55E-01	1.02E+01	7.95E+00	1.83E-04	2.72E-03	1.04E-02	7.97E+00
5702	486249.5	3856218.37	7.00E+00	1.39E-04	2.87E-03	1.03E-02	7.01E+00	7.30E+00	1.42E+00	2.61E-01	3.53E-01	9.33E+00	7.29E+00	1.62E-04	2.87E-03	1.03E-02	7.30E+00
5703	486324.17	3856281.84	6.67E+00	1.28E-04	3.02E-03	1.02E-02	6.69E+00	6.96E+00	1.31E+00	2.75E-01	3.49E-01	8.90E+00	6.95E+00	1.50E-04	3.02E-03	1.02E-02	6.96E+00
5704	486398.84	3856345.3	6.82E+00	1.30E-04	3.14E-03	9.91E-03	6.83E+00	7.12E+00	1.33E+00	2.86E-01	3.39E-01	9.07E+00	7.10E+00	1.52E-04	3.14E-03	9.91E-03	7.12E+00
5705	486473.51	3856408.77	6.84E+00	1.29E-04	3.25E-03	9.75E-03	6.86E+00	7.14E+00	1.32E+00	2.96E-01	3.34E-01	9.09E+00	7.13E+00	1.51E-04	3.25E-03	9.75E-03	7.14E+00
5706	486548.17	3856472.24	6.99E+00	1.31E-04	3.37E-03	9.87E-03	7.00E+00	7.29E+00	1.34E+00	3.08E-01	3.38E-01	9.27E+00	7.28E+00	1.53E-04	3.37E-03	9.87E-03	7.29E+00
5707	486622.84	3856535.7	7.19E+00	1.36E-04	3.57E-03	9.37E-03	7.20E+00	7.50E+00	1.38E+00	3.26E-01	3.20E-01	9.53E+00	7.49E+00	1.59E-04	3.57E-03	9.37E-03	7.50E+00
5708	486765.48	3856659.69	7.66E+00	1.44E-04	4.02E-03	7.86E-03	7.68E+00	8.00E+00	1.47E+00	3.66E-01	2.69E-01	1.01E+01	7.98E+00	1.69E-04	4.02E-03	7.86E-03	7.99E+00
5709	486833.44	3856720.2	7.91E+00	1.50E-04	4.24E-03	7.67E-03	7.92E+00	8.25E+00	1.53E+00	3.87E-01	2.62E-01	1.04E+01	8.24E+00	1.76E-04	4.24E-03	7.67E-03	8.25E+00
5710	486901.41	3856780.72	8.04E+00	1.61E-04	4.49E-03	7.48E-03	8.05E+00	8.38E+00	1.65E+00	4.10E-01	2.56E-01	1.07E+01	8.37E+00	1.88E-04	4.49E-03	7.48E-03	8.38E+00
5711	486969.38	3856841.24	8.11E+00	1.71E-04	4.86E-03	7.17E-03	8.13E+00	8.47E+00	1.74E+00	4.43E-01	2.45E-01	1.09E+01	8.45E+00	2.00E-04	4.86E-03	7.17E-03	8.46E+00
5712	487037.34	3856901.75	8.17E+00	1.83E-04	5.36E-03	6.96E-03	8.19E+00	8.53E+00	1.87E+00	4.89E-01	2.38E-01	1.11E+01	8.51E+00	2.14E-04	5.36E-03	6.96E-03	8.52E+00
5713	487271.23	3856855.51	6.52E+00	2.18E-04	6.24E-03	6.77E-03	6.53E+00	6.80E+00	2.23E+00	5.69E-01	2.32E-01	9.83E+00	6.79E+00	2.55E-04	6.24E-03	6.77E-03	6.80E+00
5714	487368.96	3856857.29	6.14E+00	2.29E-04	6.34E-03	6.69E-03	6.16E+00	6.41E+00	2.34E+00	5.78E-01	2.29E-01	9.56E+00	6.40E+00	2.68E-04	6.34E-03	6.69E-03	6.41E+00
5715	487466.68	3856859.06	5.81E+00	2.40E-04	6.93E-03	6.50E-03	5.83E+00	6.07E+00	2.45E+00	6.32E-01	2.22E-01	9.37E+00	6.05E+00	2.81E-04	6.93E-03	6.50E-03	6.07E+00
5716	487636.44	3856930	5.47E+00	2.63E-04	7.00E-03	6.46E-03	5.48E+00	5.71E+00	2.69E+00	6.38E-01	2.21E-01	9.25E+00	5.70E+00	3.08E-04	7.00E-03	6.46E-03	5.71E+00
5717	487709.57	3856928.43	5.23E+00	2.74E-04	8.30E-03	6.34E-03	5.25E+00	5.46E+00	2.80E+00	7.57E-01	2.17E-01	9.23E+00	5.45E+00	3.20E-04	8.30E-03	6.34E-03	5.47E+00
5718	487782.54	3856841.96	4.87E+00	2.65E-04	8.88E-03	6.60E-03	4.89E+00	5.08E+00	2.71E+00	8.10E-01	2.26E-01	8.82E+00	5.07E+00	3.10E-04	8.88E-03	6.60E-03	5.09E+00
5719	487849.83	3856754.74	4.46E+00	2.50E-04	7.92E-03	6.54E-03	4.48E+00	4.65E+00	2.55E+00	7.22E-01	2.24E-01	8.15E+00	4.65E+00	2.92E-04	7.92E-03	6.54E-03	4.66E+00
5720	487918.03	3856819.39	4.44E+00	2.68E-04	8.26E-03	6.49E-03	4.46E+00	4.63E+00	2.74E+00	7.53E-01	2.22E-01	8.35E+00	4.62E+00	3.14E-04	8.26E-03	6.49E-03	4.64E+00
5721	487918.8	3856886.37	4.62E+00	2.84E-04	8.66E-03	6.46E-03	4.63E+00	4.82E+00	2.90E+00	7.90E-01	2.21E-01	8.73E+00	4.81E+00	3.32E-04	8.66E-03	6.46E-03	4.82E+00
5722	488065.47	3857127.5	4.78E+00	3.13E-04	1.16E-02	5.89E-03	4.80E+00	4.99E+00	3.20E+00	1.06E+00	2.01E-01	9.45E+00	4.98E+00	3.66E-04	1.16E-02	5.89E-03	5.00E+00
5723	488192.19	3857385.83	4.85E+00	3.52E-04	2.54E-02	5.42E-03	4.88E+00	5.06E+00	3.60E+00	2.32E+00	1.85E-01	1.12E+01	5.05E+00	4.12E-04	2.54E-02	5.42E-03	5.08E+00
5724	488191.22	3857473.87	4.96E+00	3.67E-04	3.01E-02	5.39E-03	4.99E+00	5.17E+00	3.75E+00	2.74E+00	1.84E-01	1.18E+01	5.16E+00	4.29E-04	3.01E-02	5.39E-03	5.20E+00
5725	488190.24	3857561.9	4.92E+00	3.91E-04	3.68E-02	4.86E-03	4.96E+00	5.13E+00	3.99E+00	3.36E+00	1.66E-01	1.27E+01	5.12E+00	4.57E-04	3.68E-02	4.86E-03	5.17E+00
5726	488158.35	3857691.13	4.69E+00	4.38E-04	5.61E-02	5.01E-03	4.75E+00	4.89E+00	4.47E+00	5.12E+00	1.71E-01	1.47E+01	4.88E+00	5.12E-04	5.61E-02	5.01E-03	4.95E+00
5727	488208.37	3857816.66	4.49E+00	4.79E-04	1.34E-01	4.96E-03	4.62E+00	4.68E+00	4.90E+00	1.22E+01	1.70E-01	2.19E+01	4.67E+00	5.61E-04	1.34E-01	4.96E-03	4.81E+00
5728	488271.97	3857874.6	4.34E+00	4.97E-04	2.49E-01	5.23E-03	4.59E+00	4.53E+00	5.08E+00	2.27E+01	1.79E-01	3.25E+01	4.52E+00	5.82E-04	2.49E-01	5.23E-03	4.77E+00
5729	488463.56	3857942.31	4.10E+00	5.26E-04	2.32E-01	5.02E-03	4.34E+00	4.28E+00	5.38E+00	2.12E+01	1.72E-01	3.10E+01	4.27E+00	6.16E-04	2.32E-01	5.02E-03	4.51E+00
5730	488554.83	3857940.83	4.05E+00	5.26E-04	1.94E-01	4.95E-03	4.25E+00	4.23E+00	5.38E+00	1.77E+01	1.69E-01	2.75E+01	4.22E+00	6.16E-04	1.94E-01	4.95E-03	4.42E+00

5731	488646.1	3857939.36	4.00E+00	5.13E-04	1.58E-01	4.76E-03	4.16E+00	4.17E+00	5.24E+00	1.44E+01	1.63E-01	2.40E+01	4.16E+00	6.00E-04	1.58E-01	4.76E-03	4.32E+00
5732	488737.37	3857937.88	4.05E+00	4.99E-04	1.30E-01	4.71E-03	4.19E+00	4.23E+00	5.09E+00	1.19E+01	1.61E-01	2.13E+01	4.22E+00	5.83E-04	1.30E-01	4.71E-03	4.36E+00
5733	488733.59	3857960.57	3.97E+00	5.05E-04	1.33E-01	4.87E-03	4.10E+00	4.14E+00	5.16E+00	1.21E+01	1.66E-01	2.16E+01	4.13E+00	5.91E-04	1.33E-01	4.87E-03	4.27E+00
5734	488638.09	3857961.57	3.99E+00	5.17E-04	1.61E-01	4.91E-03	4.16E+00	4.16E+00	5.28E+00	1.47E+01	1.68E-01	2.43E+01	4.15E+00	6.05E-04	1.61E-01	4.91E-03	4.32E+00
5735	488542.6	3857962.56	4.10E+00	5.34E-04	2.03E-01	5.09E-03	4.30E+00	4.27E+00	5.45E+00	1.85E+01	1.74E-01	2.84E+01	4.26E+00	6.24E-04	2.03E-01	5.09E-03	4.47E+00
5736	488447.1	3857963.56	4.17E+00	5.35E-04	2.40E-01	5.05E-03	4.41E+00	4.35E+00	5.47E+00	2.19E+01	1.73E-01	3.19E+01	4.34E+00	6.26E-04	2.40E-01	5.05E-03	4.59E+00
5737	488254.28	3857890.36	4.28E+00	5.05E-04	2.54E-01	5.39E-03	4.54E+00	4.47E+00	5.16E+00	2.32E+01	1.84E-01	3.30E+01	4.46E+00	5.90E-04	2.54E-01	5.39E-03	4.72E+00
5738	488191.69	3857833.06	4.41E+00	4.87E-04	1.37E-01	5.08E-03	4.55E+00	4.60E+00	4.98E+00	1.25E+01	1.74E-01	2.22E+01	4.59E+00	5.70E-04	1.37E-01	5.08E-03	4.73E+00
5739	488129.5	3857907.43	4.10E+00	5.24E-04	1.39E-01	5.29E-03	4.25E+00	4.28E+00	5.35E+00	1.26E+01	1.81E-01	2.25E+01	4.27E+00	6.13E-04	1.39E-01	5.29E-03	4.42E+00
5740	488196.47	3857968.73	4.02E+00	5.43E-04	2.53E-01	5.38E-03	4.28E+00	4.20E+00	5.54E+00	2.31E+01	1.84E-01	3.30E+01	4.19E+00	6.35E-04	2.53E-01	5.38E-03	4.45E+00
5741	488263.44	3858030.04	3.91E+00	5.72E-04	2.90E-01	5.03E-03	4.20E+00	4.08E+00	5.84E+00	2.65E+01	1.72E-01	3.66E+01	4.07E+00	6.69E-04	2.90E-01	5.03E-03	4.36E+00
5742	488400.64	3858132.9	3.64E+00	5.78E-04	2.47E-01	5.07E-03	3.89E+00	3.79E+00	5.90E+00	2.26E+01	1.73E-01	3.24E+01	3.79E+00	6.76E-04	2.47E-01	5.07E-03	4.04E+00
5743	488519.89	3858218.38	3.45E+00	6.42E-04	1.70E-01	5.10E-03	3.62E+00	3.60E+00	6.56E+00	1.55E+01	1.75E-01	2.58E+01	3.59E+00	7.51E-04	1.70E-01	5.10E-03	3.77E+00
5744	488647.97	3858214.99	3.62E+00	6.16E-04	1.33E-01	5.17E-03	3.76E+00	3.78E+00	6.29E+00	1.21E+01	1.77E-01	2.24E+01	3.77E+00	7.21E-04	1.33E-01	5.17E-03	3.91E+00
5745	488727.05	3858167.67	3.80E+00	5.88E-04	1.21E-01	5.29E-03	3.93E+00	3.97E+00	6.01E+00	1.10E+01	1.81E-01	2.12E+01	3.96E+00	6.88E-04	1.21E-01	5.29E-03	4.08E+00
5746	488806.12	3858120.35	3.71E+00	5.65E-04	1.10E-01	5.34E-03	3.83E+00	3.87E+00	5.77E+00	9.99E+00	1.83E-01	1.98E+01	3.87E+00	6.61E-04	1.10E-01	5.34E-03	3.98E+00
5747	488885.2	3858073.03	3.70E+00	5.38E-04	1.01E-01	5.01E-03	3.81E+00	3.86E+00	5.50E+00	9.23E+00	1.71E-01	1.88E+01	3.86E+00	6.29E-04	1.01E-01	5.01E-03	3.96E+00
5748	489055.76	3857991.17	3.87E+00	4.92E-04	8.44E-02	4.77E-03	3.96E+00	4.04E+00	5.02E+00	7.70E+00	1.63E-01	1.69E+01	4.03E+00	5.75E-04	8.44E-02	4.77E-03	4.12E+00
5749	489245.39	3857944.54	3.69E+00	4.49E-04	7.37E-02	4.76E-03	3.76E+00	3.85E+00	4.59E+00	6.72E+00	1.63E-01	1.53E+01	3.84E+00	5.25E-04	7.37E-02	4.76E-03	3.92E+00
5750	489430.63	3857930.91	3.38E+00	4.06E-04	7.29E-02	4.55E-03	3.46E+00	3.53E+00	4.15E+00	6.65E+00	1.56E-01	1.45E+01	3.52E+00	4.75E-04	7.29E-02	4.55E-03	3.60E+00
5751	489517.74	3857929.36	3.30E+00	3.95E-04	7.14E-02	4.57E-03	3.37E+00	3.44E+00	4.04E+00	6.51E+00	1.56E-01	1.41E+01	3.43E+00	4.63E-04	7.14E-02	4.57E-03	3.51E+00
5752	489604.85	3857927.82	3.23E+00	3.85E-04	7.01E-02	4.64E-03	3.31E+00	3.37E+00	3.93E+00	6.39E+00	1.59E-01	1.39E+01	3.37E+00	4.50E-04	7.01E-02	4.64E-03	3.44E+00
5753	489691.97	3857926.28	3.14E+00	3.72E-04	6.85E-02	4.73E-03	3.21E+00	3.27E+00	3.80E+00	6.24E+00	1.62E-01	1.35E+01	3.27E+00	4.35E-04	6.85E-02	4.73E-03	3.34E+00
5754	489779.08	3857924.73	3.07E+00	3.58E-04	6.67E-02	4.64E-03	3.14E+00	3.20E+00	3.66E+00	6.08E+00	1.59E-01	1.31E+01	3.20E+00	4.19E-04	6.67E-02	4.64E-03	3.27E+00
5755	490017.54	3857875.08	2.74E+00	3.20E-04	6.61E-02	4.48E-03	2.81E+00	2.86E+00	3.27E+00	6.03E+00	1.53E-01	1.23E+01	2.85E+00	3.74E-04	6.61E-02	4.48E-03	2.92E+00
5756	490033.82	3857960.81	2.84E+00	3.35E-04	6.46E-02	4.88E-03	2.91E+00	2.96E+00	3.42E+00	5.89E+00	1.67E-01	1.24E+01	2.95E+00	3.92E-04	6.46E-02	4.88E-03	3.02E+00
5757	489959.15	3857987.49	2.93E+00	3.55E-04	6.31E-02	4.79E-03	3.00E+00	3.06E+00	3.63E+00	5.75E+00	1.64E-01	1.26E+01	3.05E+00	4.15E-04	6.31E-02	4.79E-03	3.12E+00
5758	489791.49	3858016.12	3.10E+00	3.69E-04	6.47E-02	4.43E-03	3.17E+00	3.23E+00	3.77E+00	5.90E+00	1.52E-01	1.30E+01	3.23E+00	4.31E-04	6.47E-02	4.43E-03	3.30E+00
5759	489698.51	3858018.07	3.17E+00	3.84E-04	6.63E-02	4.50E-03	3.24E+00	3.31E+00	3.92E+00	6.05E+00	1.54E-01	1.34E+01	3.30E+00	4.49E-04	6.63E-02	4.50E-03	3.37E+00
5760	489605.52	3858020.02	3.22E+00	4.04E-04	6.66E-02	4.43E-03	3.29E+00	3.36E+00	4.13E+00	6.07E+00	1.52E-01	1.37E+01	3.36E+00	4.73E-04	6.66E-02	4.43E-03	3.43E+00
5761	489512.53	3858021.96	3.41E+00	4.21E-04	6.66E-02	4.73E-03	3.48E+00	3.56E+00	4.30E+00	6.07E+00	1.62E-01	1.41E+01	3.55E+00	4.92E-04	6.66E-02	4.73E-03	3.62E+00
5762	489419.55	3858023.91	3.53E+00	4.33E-04	6.75E-02	4.53E-03	3.60E+00	3.69E+00	4.42E+00	6.16E+00	1.55E-01	1.44E+01	3.68E+00	5.06E-04	6.75E-02	4.53E-03	3.75E+00
5763	489228.47	3858041.29	3.73E+00	4.74E-04	6.91E-02	4.66E-03	3.80E+00	3.89E+00	4.85E+00	6.30E+00	1.59E-01	1.52E+01	3.88E+00	5.55E-04	6.91E-02	4.66E-03	3.96E+00
5764	489065.75	3858085.78	3.79E+00	5.16E-04	7.85E-02	4.95E-03	3.87E+00	3.95E+00	5.27E+00	7.16E+00	1.69E-01	1.65E+01	3.94E+00	6.04E-04	7.85E-02	4.95E-03	4.03E+00
5765	489001.12	3858114.86	3.68E+00	5.34E-04	8.65E-02	5.05E-03	3.77E+00	3.84E+00	5.45E+00	7.89E+00	1.73E-01	1.74E+01	3.83E+00	6.25E-04	8.65E-02	5.05E-03	3.93E+00
5766	488861.89	3858189.81	3.65E+00	5.71E-04	9.42E-02	5.26E-03	3.75E+00	3.81E+00	5.84E+00	8.59E+00	1.80E-01	1.84E+01	3.80E+00	6.68E-04	9.42E-02	5.26E-03	3.90E+00
5767	488787.28	3858235.69	3.69E+00	6.06E-04	1.01E-01	5.35E-03	3.80E+00	3.85E+00	6.19E+00	9.18E+00	1.83E-01	1.94E+01	3.84E+00	7.09E-04	1.01E-01	5.35E-03	3.95E+00
5768	488712.68	3858281.57	3.55E+00	6.18E-04	1.04E-01	5.72E-03	3.66E+00	3.70E+00	6.32E+00	9.44E+00	1.96E-01	1.97E+01	3.70E+00	7.23E-04	1.04E-01	5.72E-03	3.81E+00
5769	488654.39	3858436.17	2.85E+00	7.03E-04	5.46E-02	6.45E-03	2.91E+00	2.97E+00	7.18E+00	4.98E+00	2.21E-01	1.53E+01	2.96E+00	8.22E-04	5.46E-02	6.45E-03	3.03E+00
5770	488726.3	3858505.26	2.85E+00	7.45E-04	4.36E-02	6.09E-03	2.90E+00	2.97E+00	7.61E+00	3.97E+00	2.08E-01	1.48E+01	2.96E+00	8.71E-04	4.36E-02	6.09E-03	3.01E+00
5771	488880.6	3858599.28	2.28E+00	7.77E-04	3.61E-02	5.98E-03	2.32E+00	2.38E+00	7.93E+00	3.29E+00	2.04E-01	1.38E+01	2.38E+00	9.09E-04	3.61E-02	5.98E-03	2.42E+00
5772	489008.06	3858714.75	2.22E+00	8.34E-04	2.66E-02	5.62E-03	2.25E+00	2.31E+00	8.52E+00	2.43E+00	1.92E-01	1.35E+01	2.31E+00	9.76E-04	2.66E-02	5.62E-03	2.34E+00
5773	489071.48	3858772.72	2.15E+00	8.52E-04	2.29E-02	5.45E-03	2.18E+00	2.24E+00	8.71E+00	2.09E+00	1.87E-01	1.32E+01	2.24E+00	9.97E-04	2.29E-02	5.45E-03	2.27E+00
5774	489244.59	3858920.19	1.99E+00	8.74E-04	1.63E-02	6.60E-03	2.02E+00	2.08E+00	8.93E+00	1.49E+00	2.26E-01	1.27E+01	2.08E+00	1.02E-03	1.63E-02	6.60E-03	2.10E+00
5775	489239.69	3858952.23	1.82E+00	9.22E-04	1.51E-02	6.30E-03	1.85E+00	1.90E+00	9.42E+00	1.38E+00	2.15E-01	1.29E+01	1.90E+00	1.08E-03	1.51E-02	6.30E-03	1.92E+00
5776	489121.67	3858854.49	2.14E+00	8.84E-04	1.83E-02	5.95E-03	2.16E+00	2.23E+00	9.03E+00	1.67E+00	2.03E-01	1.31E+01	2.22E+00	1.03E-03	1.83E-02	5.95E-03	2.25E+00
5777	489059.59	3858797.27	2.21E+00	8.82E-04	2.04E-02	5.68E-03	2.23E+00	2.30E+00	9.01E+00	1.86E+00	1.94E-01	1.34E+01	2.30E+00	1.03E-03	2.04E-02	5.68E-03	2.32E+00
5778	488997.52	3858740.04	2.23E+00	8.61E-04	2.31E-02	5.73E-03	2.26E+00	2.32E+00	8.80E+00	2.11E+00	1.96E-01	1.34E+01	2.32E+00	1.01E-03	2.31E-02	5.73E-03	2.35E+00
5779	488935.44	3858682.82	2.25E+00	8.27E-04	2.71E-02	5.62E-03	2.28E+00	2.34E+00	8.45E+00	2.47E+00	1.92E-01	1.35E+01	2.34E+00	9.68E-04	2.71E-02	5.62E-03	2.37E+00
5780	488869.17	3858848.43	3.15E+00	1.07E-03	1.33E-02	6.44E-03	3.17E+00	3.29E+00	1.10E+01	1.21E+00	2.20E-01	1.57E+01	3.28E+00	1.26E-03	1.33E-02	6.44E-03	3.30E+00
5781	488932.48	3858892.69	3.12E+00	1.10E-03	1.36E-02	6.52E-03	3.14E+00	3.25E+00	1.12E+01	1.24E+00	2.23E-01	1.59E+01	3.24E+00	1.28E-03	1.36E-02	6.52E-03	3.27E+00
5782	489063.27	3858977.17	3.07E+00	1.07E-03	1.39E-02	6.34E-03	3.09E+00	3.20E+00	1.09E+01	1.27E+00	2.17E-01	1.56E+01	3.19E+00	1.25E-03	1.39E-02	6.34E-03	3.22E+00
5783	489248.2	3859117.15	2.59E+00	9.88E-04	1.10E-02	6.19E-03	2.60E+00	2.70E+00	1.01E+01	1.01E+00	2.12E-01	1.40E+01	2.69E+00	1.16E-03	1.10E-02	6.19E-03	2.71E+00
5784	489296.25	3859049.22	2.40E+00	9.52E-04	1.32E-02	5.51E-03	2.42E+00	2.50E+00	9.72E+00	1.21E+00	1.88E-01	1.36E+01	2.50E+00	1.11E-03	1.32E-02	5.51E-03	2.52E+00
5785	489353.38	3858993.96	2.28E+00	8.88E-04	1.53E-02	5.53E-03	2.30E+00	2.38E+00	9.07E+00	1.39E+00	1.89E-01	1.30E+01	2.37E+00	1.04E-03	1.53E-02	5.53E-03	2.39E+00
5786	489537.24	3859120.22	2.34E+00	8.37E-04	1.38E-02	5.94E-03	2.36E+00	2.44E+00	8.55E+00	1.26E+00	2.03E-01	1.25E+01	2.44E+00	9.79E-04	1.38E-02	5.94E-03	2.46E+00
5787	489726.98	3859246.04	2.36E+00	8.13E-04	1.19E-02	6.14E-03	2.38E+00	2.46E+00	8.30E+00	1.08E+00	2.10E-01	1.21E+01	2.46E+00	9.51E-04	1.19E-02	6.14E-03	2.47E+00
5788	489911.46	3859366.33	2.29E+00	7.53E-04	1.03E-02	5.64E-03	2.31E+00	2.39E+00	7.70E+00	9.38E-01	1.93E-01	1.12E+01	2.38E+00	8.81E-04	1.03E-02	5.64E-03	2.40E+00
5789	490035.3	3859430.26	2.20E+00	7.50E-04	9.62E-03	6.02E-03	2.21E+00	2.29E+00	7.67E+00	8.77E-01	2.06E-01	1.10E+01	2.29E+00	8.78E-04	9.62E-03	6.02E-03	2.30E+00
5790	490101.11	3859458.61	2.12E+00	7.38E-04	9.71E-03	6.33E-03	2.14E+00	2.21E+00	7.54E+00	8.85E-01	2.17E-01	1.09E+01	2.21E+00	8.64E-04	9.71E-03	6.33E-03	2.23E+00
5791	490312.68	3859560.3	2.08E+00	6.99E-04	8.30E-03	6.12E-03	2.09E+00	2.17E+00	7.14E+00	7.57E-01	2.09E-01	1.03E+01	2.16E+00	8.18E-04	8.30E-03	6.12E-03	2.18E+00

5792	490401.63	3859603.12	1.99E+00	6.81E-04	7.97E-03	5.92E-03	2.00E+00	2.08E+00	6.95E+00	7.27E-01	2.03E-01	9.96E+00	2.07E+00	7.96E-04	7.97E-03	5.92E-03	2.09E+00
5793	490490.57	3859645.94	1.95E+00	6.59E-04	7.93E-03	5.89E-03	1.97E+00	2.04E+00	6.73E+00	7.23E-01	2.01E-01	9.69E+00	2.03E+00	7.71E-04	7.93E-03	5.89E-03	2.05E+00
5794	490579.51	3859688.76	1.91E+00	6.36E-04	7.95E-03	5.83E-03	1.92E+00	1.99E+00	6.50E+00	7.25E-01	1.99E-01	9.42E+00	1.99E+00	7.44E-04	7.95E-03	5.83E-03	2.00E+00
5795	490668.45	3859731.58	1.91E+00	6.10E-04	8.04E-03	5.66E-03	1.93E+00	2.00E+00	6.24E+00	7.33E-01	1.94E-01	9.16E+00	1.99E+00	7.14E-04	8.04E-03	5.66E-03	2.01E+00
5796	490757.4	3859774.4	1.90E+00	6.00E-04	7.96E-03	5.58E-03	1.91E+00	1.98E+00	6.13E+00	7.26E-01	1.91E-01	9.03E+00	1.98E+00	7.02E-04	7.96E-03	5.58E-03	1.99E+00
5797	491003.53	3859861.82	1.89E+00	5.63E-04	7.23E-03	5.45E-03	1.90E+00	1.97E+00	5.75E+00	6.59E-01	1.86E-01	8.57E+00	1.96E+00	6.59E-04	7.23E-03	5.45E-03	1.98E+00
5798	491081.41	3859879.05	1.87E+00	5.53E-04	6.91E-03	5.53E-03	1.88E+00	1.95E+00	5.65E+00	6.30E-01	1.89E-01	8.41E+00	1.94E+00	6.47E-04	6.91E-03	5.53E-03	1.96E+00
5799	491229.76	3859917.82	1.83E+00	5.36E-04	6.64E-03	5.52E-03	1.85E+00	1.91E+00	5.48E+00	6.06E-01	1.89E-01	8.18E+00	1.91E+00	6.27E-04	6.64E-03	5.52E-03	1.92E+00
5800	491300.22	3859939.35	1.79E+00	5.30E-04	6.55E-03	5.54E-03	1.80E+00	1.87E+00	5.41E+00	5.97E-01	1.89E-01	8.07E+00	1.86E+00	6.20E-04	6.55E-03	5.54E-03	1.87E+00
5801	491350.48	3860012.03	1.72E+00	5.29E-04	6.11E-03	5.69E-03	1.73E+00	1.80E+00	5.41E+00	5.57E-01	1.95E-01	7.96E+00	1.79E+00	6.19E-04	6.11E-03	5.69E-03	1.81E+00
5802	491406.82	3860092.56	1.68E+00	5.40E-04	5.91E-03	5.87E-03	1.70E+00	1.76E+00	5.52E+00	5.39E-01	2.01E-01	8.01E+00	1.75E+00	6.32E-04	5.91E-03	5.87E-03	1.77E+00
5803	491483.36	3860121.96	1.64E+00	5.32E-04	5.68E-03	5.86E-03	1.66E+00	1.72E+00	5.44E+00	5.18E-01	2.01E-01	7.87E+00	1.71E+00	6.22E-04	5.68E-03	5.86E-03	1.72E+00
5804	491559.91	3860151.35	1.63E+00	5.24E-04	5.49E-03	5.78E-03	1.64E+00	1.70E+00	5.35E+00	5.01E-01	1.98E-01	7.75E+00	1.70E+00	6.13E-04	5.49E-03	5.78E-03	1.71E+00
5805	491711.81	3860237.76	1.65E+00	5.11E-04	5.28E-03	5.52E-03	1.66E+00	1.72E+00	5.22E+00	4.82E-01	1.89E-01	7.62E+00	1.72E+00	5.98E-04	5.28E-03	5.52E-03	1.73E+00
5806	491755.2	3860319.07	1.52E+00	5.14E-04	5.11E-03	5.32E-03	1.53E+00	1.59E+00	5.25E+00	4.66E-01	1.82E-01	7.49E+00	1.58E+00	6.02E-04	5.11E-03	5.32E-03	1.59E+00
5807	491704.71	3860366.54	1.52E+00	5.30E-04	4.97E-03	5.44E-03	1.53E+00	1.59E+00	5.41E+00	4.53E-01	1.86E-01	7.64E+00	1.58E+00	6.20E-04	4.97E-03	5.44E-03	1.59E+00
5808	491623.42	3860462.39	1.35E+00	5.49E-04	4.56E-03	5.35E-03	1.36E+00	1.41E+00	5.60E+00	4.16E-01	1.83E-01	7.61E+00	1.41E+00	6.42E-04	4.56E-03	5.35E-03	1.42E+00
5809	491534.02	3860439.85	1.47E+00	5.74E-04	4.75E-03	5.67E-03	1.48E+00	1.53E+00	5.87E+00	4.33E-01	1.94E-01	8.03E+00	1.53E+00	6.72E-04	4.75E-03	5.67E-03	1.54E+00
5810	491313.95	3860268.17	1.49E+00	5.85E-04	5.25E-03	5.49E-03	1.50E+00	1.55E+00	5.98E+00	4.79E-01	1.88E-01	8.19E+00	1.55E+00	6.84E-04	5.25E-03	5.49E-03	1.56E+00
5811	491187.12	3860143.56	1.53E+00	5.98E-04	5.37E-03	5.74E-03	1.54E+00	1.60E+00	6.11E+00	4.90E-01	1.96E-01	8.39E+00	1.60E+00	6.99E-04	5.37E-03	5.74E-03	1.61E+00
5812	491070.43	3860075.97	1.61E+00	6.08E-04	5.62E-03	6.04E-03	1.62E+00	1.68E+00	6.21E+00	5.12E-01	2.06E-01	8.61E+00	1.68E+00	7.11E-04	5.62E-03	6.04E-03	1.69E+00
5813	490995.09	3860039.38	1.66E+00	6.19E-04	5.80E-03	6.03E-03	1.67E+00	1.73E+00	6.32E+00	5.29E-01	2.06E-01	8.78E+00	1.72E+00	7.24E-04	5.80E-03	6.03E-03	1.74E+00
5814	490919.75	3860002.8	1.68E+00	6.28E-04	5.97E-03	5.97E-03	1.70E+00	1.76E+00	6.42E+00	5.45E-01	2.04E-01	8.92E+00	1.75E+00	7.35E-04	5.97E-03	5.97E-03	1.77E+00
5815	490756.81	3859894.53	1.76E+00	6.38E-04	6.39E-03	5.73E-03	1.77E+00	1.84E+00	6.52E+00	5.82E-01	1.96E-01	9.14E+00	1.83E+00	7.47E-04	6.39E-03	5.73E-03	1.85E+00
5816	490668.07	3859860.92	1.73E+00	6.59E-04	6.57E-03	5.73E-03	1.74E+00	1.81E+00	6.73E+00	6.00E-01	1.96E-01	9.33E+00	1.80E+00	7.71E-04	6.57E-03	5.73E-03	1.81E+00
5817	490579.34	3859827.3	1.81E+00	6.76E-04	6.65E-03	5.70E-03	1.82E+00	1.89E+00	6.91E+00	6.07E-01	1.95E-01	9.60E+00	1.88E+00	7.91E-04	6.65E-03	5.70E-03	1.90E+00
5818	490490.6	3859793.68	1.91E+00	6.93E-04	6.99E-03	5.79E-03	1.92E+00	1.99E+00	7.08E+00	6.38E-01	1.98E-01	9.91E+00	1.99E+00	8.11E-04	6.99E-03	5.79E-03	2.00E+00
5819	490401.86	3859760.07	1.92E+00	7.10E-04	7.02E-03	5.90E-03	1.94E+00	2.01E+00	7.25E+00	6.40E-01	2.02E-01	1.01E+01	2.00E+00	8.30E-04	7.02E-03	5.90E-03	2.02E+00
5820	490313.12	3859726.45	1.94E+00	7.33E-04	6.94E-03	6.03E-03	1.96E+00	2.03E+00	7.49E+00	6.33E-01	2.06E-01	1.04E+01	2.02E+00	8.57E-04	6.94E-03	6.03E-03	2.04E+00
5821	490224.39	3859692.83	1.92E+00	7.54E-04	7.06E-03	6.17E-03	1.94E+00	2.01E+00	7.70E+00	6.44E-01	2.11E-01	1.06E+01	2.00E+00	8.82E-04	7.06E-03	6.17E-03	2.02E+00
5822	490135.65	3859659.22	2.02E+00	7.78E-04	7.45E-03	6.30E-03	2.04E+00	2.11E+00	7.95E+00	6.80E-01	2.16E-01	1.10E+01	2.11E+00	9.11E-04	7.45E-03	6.30E-03	2.12E+00
5823	489918.18	3859559.23	2.17E+00	8.41E-04	7.94E-03	6.84E-03	2.19E+00	2.26E+00	8.60E+00	7.24E-01	2.34E-01	1.18E+01	2.26E+00	9.84E-04	7.94E-03	6.84E-03	2.28E+00
5824	489743.61	3859486	2.33E+00	9.01E-04	8.22E-03	6.62E-03	2.35E+00	2.43E+00	9.20E+00	7.49E-01	2.26E-01	1.26E+01	2.43E+00	1.05E-03	8.22E-03	6.62E-03	2.45E+00
5825	489660.32	3859440.27	2.42E+00	9.24E-04	7.79E-03	5.79E-03	2.44E+00	2.53E+00	9.44E+00	7.11E-01	1.98E-01	1.29E+01	2.52E+00	1.08E-03	7.79E-03	5.79E-03	2.54E+00
5826	489577.04	3859394.53	2.48E+00	9.47E-04	7.91E-03	6.04E-03	2.50E+00	2.59E+00	9.67E+00	7.21E-01	2.07E-01	1.32E+01	2.58E+00	1.11E-03	7.91E-03	6.04E-03	2.60E+00
5827	489493.75	3859348.8	2.51E+00	9.77E-04	7.95E-03	6.26E-03	2.53E+00	2.62E+00	9.98E+00	7.25E-01	2.14E-01	1.35E+01	2.62E+00	1.14E-03	7.95E-03	6.26E-03	2.63E+00
5828	489321.28	3859240.02	2.47E+00	1.04E-03	9.23E-03	6.63E-03	2.49E+00	2.58E+00	1.06E+01	8.42E-01	2.27E-01	1.43E+01	2.58E+00	1.22E-03	9.23E-03	6.63E-03	2.59E+00
5829	489235.41	3859193.96	2.39E+00	1.06E-03	9.41E-03	6.50E-03	2.41E+00	2.49E+00	1.08E+01	8.58E-01	2.22E-01	1.44E+01	2.49E+00	1.24E-03	9.41E-03	6.50E-03	2.51E+00
5830	489149.54	3859147.89	2.77E+00	1.12E-03	9.28E-03	6.46E-03	2.79E+00	2.89E+00	1.14E+01	8.46E-01	2.21E-01	1.54E+01	2.88E+00	1.31E-03	9.28E-03	6.46E-03	2.90E+00
5831	489063.68	3859101.82	2.83E+00	1.16E-03	7.95E-03	6.42E-03	2.85E+00	2.95E+00	1.18E+01	7.25E-01	2.19E-01	1.57E+01	2.95E+00	1.36E-03	7.95E-03	6.42E-03	2.96E+00
5832	488977.81	3859055.75	2.83E+00	1.22E-03	8.32E-03	6.90E-03	2.85E+00	2.96E+00	1.24E+01	7.59E-01	2.36E-01	1.64E+01	2.95E+00	1.42E-03	8.32E-03	6.90E-03	2.97E+00
5833	488891.94	3859009.69	2.91E+00	1.35E-03	6.88E-03	6.36E-03	2.92E+00	3.03E+00	1.38E+01	6.28E-01	2.18E-01	1.77E+01	3.03E+00	1.58E-03	6.88E-03	6.36E-03	3.04E+00
5834	488808	3859060.73	2.93E+00	1.53E-03	4.81E-03	6.83E-03	2.95E+00	3.06E+00	1.57E+01	4.39E-01	2.34E-01	1.94E+01	3.05E+00	1.79E-03	4.81E-03	6.83E-03	3.07E+00
5835	488809.93	3859157.85	2.80E+00	1.62E-03	4.81E-03	7.11E-03	2.82E+00	2.92E+00	1.66E+01	4.38E-01	2.43E-01	2.02E+01	2.92E+00	1.90E-03	4.81E-03	7.11E-03	2.93E+00
5836	488811.85	3859254.96	2.61E+00	1.74E-03	4.12E-03	7.42E-03	2.62E+00	2.72E+00	1.78E+01	3.76E-01	2.54E-01	2.11E+01	2.72E+00	2.03E-03	4.12E-03	7.42E-03	2.73E+00
5837	488813.78	3859352.07	2.71E+00	1.87E-03	3.88E-03	8.09E-03	2.72E+00	2.82E+00	1.91E+01	3.54E-01	2.77E-01	2.26E+01	2.82E+00	2.19E-03	3.88E-03	8.09E-03	2.83E+00
5838	488815.71	3859449.19	2.67E+00	1.95E-03	3.24E-03	9.81E-03	2.68E+00	2.78E+00	2.00E+01	2.96E-01	3.35E-01	2.34E+01	2.78E+00	2.29E-03	3.24E-03	9.81E-03	2.79E+00
5839	488910.04	3859547.1	2.58E+00	1.74E-03	3.48E-03	1.04E-02	2.60E+00	2.70E+00	1.78E+01	3.17E-01	3.55E-01	2.12E+01	2.69E+00	2.04E-03	3.48E-03	1.04E-02	2.71E+00
5840	489002.45	3859547.91	2.55E+00	1.58E-03	3.30E-03	9.04E-03	2.56E+00	2.66E+00	1.62E+01	3.01E-01	3.09E-01	1.95E+01	2.65E+00	1.85E-03	3.30E-03	9.04E-03	2.67E+00
5841	489094.85	3859548.71	2.44E+00	1.46E-03	3.32E-03	7.97E-03	2.46E+00	2.55E+00	1.49E+01	3.03E-01	2.73E-01	1.80E+01	2.54E+00	1.71E-03	3.32E-03	7.97E-03	2.56E+00
5842	489230.05	3859601.87	2.48E+00	1.34E-03	2.94E-03	7.47E-03	2.49E+00	2.59E+00	1.37E+01	2.68E-01	2.55E-01	1.68E+01	2.58E+00	1.57E-03	2.94E-03	7.47E-03	2.59E+00
5843	489227.52	3859680.89	2.33E+00	1.30E-03	2.90E-03	8.22E-03	2.34E+00	2.43E+00	1.33E+01	2.64E-01	2.81E-01	1.63E+01	2.42E+00	1.52E-03	2.90E-03	8.22E-03	2.44E+00
5844	489133.47	3859760.29	2.48E+00	1.33E-03	2.90E-03	8.35E-03	2.50E+00	2.59E+00	1.36E+01	2.65E-01	2.85E-01	1.67E+01	2.59E+00	1.55E-03	2.90E-03	8.35E-03	2.60E+00
5845	489041.96	3859760.67	2.45E+00	1.38E-03	3.04E-03	9.25E-03	2.47E+00	2.56E+00	1.41E+01	2.77E-01	3.16E-01	1.72E+01	2.55E+00	1.61E-03	3.04E-03	9.25E-03	2.57E+00
5846	488950.45	3859761.05	2.41E+00	1.37E-03	2.77E-03	1.10E-02	2.43E+00	2.52E+00	1.40E+01	2.53E-01	3.75E-01	1.71E+01	2.51E+00	1.60E-03	2.77E-03	1.10E-02	2.53E+00
5847	488858.94	3859761.43	2.39E+00	1.37E-03	2.27E-03	1.33E-02	2.41E+00	2.49E+00	1.40E+01	2.07E-01	4.54E-01	1.71E+01	2.49E+00	1.60E-03	2.27E-03	1.33E-02	2.50E+00
5848	488767.43	3859761.82	2.43E+00	1.40E-03	2.19E-03	1.69E-02	2.45E+00	2.53E+00	1.43E+01	2.00E-01	5.78E-01	1.76E+01	2.53E+00	1.64E-03	2.19E-03	1.69E-02	2.55E+00
5849	488675.92	3859762.2	2.38E+00	1.45E-03	2.06E-03	2.22E-02	2.40E+00	2.48E+00	1.48E+01	1.88E-01	7.59E-01	1.82E+01	2.47E+00	1.69E-03	2.06E-03	2.22E-02	2.50E+00
5850	488584.41	3859762.58	2.40E+00	1.53E-03	2.05E-03	2.95E-02	2.44E+00	2.51E+00	1.56E+01	1.87E-01	1.01E+00	1.94E+01	2.50E+00	1.79E-03	2.05E-03	2.95E-02	2.54E+00
5851	488492.9	3859762.96	2.42E+00	1.71E-03	2.29E-03	3.69E-02	2.46E+00	2.52E+00	1.74E+01	2.09E-01	1.26E+00	2.14E+01	2.52E+00	2.00E-03	2.29E-03	3.69E-02	2.56E+00
5852	488402.76	3859830.95	2.42E+00	2.01E-03	2.37E-03	4.29E-02	2.47E+00	2.52E+00	2.05E+01	2.16E-01	1.47E+00	2.47E+01	2.52E+00	2.35E-03	2.37E-03	4.29E-02	2.57E+00

5853	488404.14	3859898.55	2.33E+00	2.02E-03	2.36E-03	1.35E-02	2.35E+00	2.43E+00	2.07E+01	2.15E-01	4.63E-01	2.38E+01	2.43E+00	2.37E-03	2.36E-03	1.35E-02	2.45E+00
5854	488505.18	3859964.96	2.32E+00	1.71E-03	2.13E-03	1.72E-02	2.34E+00	2.42E+00	1.75E+01	1.95E-01	5.88E-01	2.07E+01	2.42E+00	2.01E-03	2.13E-03	1.72E-02	2.44E+00
5855	488604.84	3859963.76	2.34E+00	1.54E-03	1.93E-03	2.38E-02	2.37E+00	2.45E+00	1.57E+01	1.76E-01	8.14E-01	1.91E+01	2.44E+00	1.80E-03	1.93E-03	2.38E-02	2.47E+00
5856	488704.51	3859962.56	2.25E+00	1.47E-03	1.83E-03	2.24E-02	2.28E+00	2.35E+00	1.50E+01	1.66E-01	7.65E-01	1.83E+01	2.34E+00	1.72E-03	1.83E-03	2.24E-02	2.37E+00
5857	488804.18	3859961.37	2.23E+00	1.41E-03	1.96E-03	1.80E-02	2.25E+00	2.33E+00	1.44E+01	1.79E-01	6.17E-01	1.76E+01	2.32E+00	1.65E-03	1.96E-03	1.80E-02	2.35E+00
5858	488903.85	3859960.17	2.28E+00	1.29E-03	1.96E-03	1.52E-02	2.30E+00	2.38E+00	1.32E+01	1.79E-01	5.20E-01	1.63E+01	2.38E+00	1.51E-03	1.96E-03	1.52E-02	2.40E+00
5859	489003.52	3859958.97	2.27E+00	1.20E-03	2.50E-03	1.34E-02	2.29E+00	2.37E+00	1.23E+01	2.28E-01	4.60E-01	1.53E+01	2.36E+00	1.41E-03	2.50E-03	1.34E-02	2.38E+00
5860	489103.18	3859957.77	2.26E+00	1.15E-03	2.89E-03	1.24E-02	2.27E+00	2.35E+00	1.18E+01	2.64E-01	4.25E-01	1.48E+01	2.35E+00	1.35E-03	2.89E-03	1.24E-02	2.37E+00
5861	489201.48	3860046.59	2.23E+00	1.09E-03	2.64E-03	1.05E-02	2.25E+00	2.33E+00	1.12E+01	2.41E-01	3.57E-01	1.41E+01	2.32E+00	1.28E-03	2.64E-03	1.05E-02	2.34E+00
5862	489200.11	3860136.61	2.12E+00	1.09E-03	2.67E-03	9.72E-03	2.13E+00	2.21E+00	1.11E+01	2.43E-01	3.33E-01	1.39E+01	2.21E+00	1.28E-03	2.67E-03	9.72E-03	2.22E+00
5863	489198.74	3860226.63	2.09E+00	1.20E-03	2.70E-03	8.96E-03	2.10E+00	2.18E+00	1.22E+01	2.46E-01	3.06E-01	1.50E+01	2.18E+00	1.40E-03	2.70E-03	8.96E-03	2.19E+00
5864	489197.38	3860316.65	2.06E+00	1.60E-03	2.23E-03	8.70E-03	2.07E+00	2.15E+00	1.63E+01	2.03E-01	2.98E-01	1.90E+01	2.14E+00	1.87E-03	2.23E-03	8.70E-03	2.15E+00
5865	489196.01	3860406.68	1.94E+00	1.82E-03	2.07E-03	6.32E-03	1.95E+00	2.02E+00	1.86E+01	1.89E-01	2.16E-01	2.10E+01	2.02E+00	2.13E-03	2.07E-03	6.32E-03	2.03E+00
5866	489194.64	3860496.7	1.90E+00	1.92E-03	1.94E-03	5.25E-03	1.91E+00	1.98E+00	1.96E+01	1.77E-01	1.80E-01	2.19E+01	1.98E+00	2.24E-03	1.94E-03	5.25E-03	1.99E+00
5867	489193.27	3860586.72	1.87E+00	1.99E-03	1.72E-03	4.97E-03	1.88E+00	1.95E+00	2.03E+01	1.57E-01	1.70E-01	2.26E+01	1.94E+00	2.32E-03	1.72E-03	4.97E-03	1.95E+00
5868	489092.02	3860678.13	1.82E+00	1.70E-03	1.45E-03	5.53E-03	1.83E+00	1.90E+00	1.74E+01	1.32E-01	1.89E-01	1.96E+01	1.89E+00	1.99E-03	1.45E-03	5.53E-03	1.90E+00
5869	488992.13	3860679.52	1.89E+00	1.67E-03	1.42E-03	5.62E-03	1.90E+00	1.98E+00	1.71E+01	1.30E-01	1.92E-01	1.94E+01	1.97E+00	1.96E-03	1.42E-03	5.62E-03	1.98E+00
5870	488892.24	3860680.92	1.87E+00	1.65E-03	1.43E-03	5.93E-03	1.88E+00	1.95E+00	1.69E+01	1.31E-01	2.03E-01	1.92E+01	1.94E+00	1.94E-03	1.43E-03	5.93E-03	1.95E+00
5871	488792.36	3860682.31	1.86E+00	1.64E-03	1.44E-03	6.00E-03	1.87E+00	1.94E+00	1.68E+01	1.31E-01	2.05E-01	1.91E+01	1.94E+00	1.92E-03	1.44E-03	6.00E-03	1.95E+00
5872	488692.47	3860683.7	1.79E+00	1.65E-03	1.57E-03	6.47E-03	1.80E+00	1.87E+00	1.68E+01	1.43E-01	2.21E-01	1.91E+01	1.86E+00	1.93E-03	1.57E-03	6.47E-03	1.87E+00
5873	488592.59	3860685.1	1.70E+00	1.62E-03	1.65E-03	5.94E-03	1.70E+00	1.77E+00	1.66E+01	1.51E-01	2.03E-01	1.87E+01	1.77E+00	1.90E-03	1.65E-03	5.94E-03	1.78E+00
5874	488492.71	3860686.49	1.66E+00	1.62E-03	1.74E-03	5.19E-03	1.66E+00	1.73E+00	1.65E+01	1.59E-01	1.77E-01	1.86E+01	1.72E+00	1.89E-03	1.74E-03	5.19E-03	1.73E+00
5875	488299.07	3860762.18	1.61E+00	1.41E-03	1.68E-03	3.44E-03	1.61E+00	1.68E+00	1.44E+01	1.53E-01	1.18E-01	1.64E+01	1.67E+00	1.65E-03	1.68E-03	3.44E-03	1.68E+00
5876	488205.32	3860764.09	1.61E+00	1.35E-03	1.67E-03	3.28E-03	1.61E+00	1.68E+00	1.38E+01	1.52E-01	1.12E-01	1.58E+01	1.67E+00	1.58E-03	1.67E-03	3.28E-03	1.68E+00
5877	488111.56	3860766	1.55E+00	1.27E-03	1.61E-03	3.32E-03	1.56E+00	1.62E+00	1.29E+01	1.47E-01	1.14E-01	1.48E+01	1.62E+00	1.48E-03	1.61E-03	3.32E-03	1.62E+00
5878	488017.81	3860767.91	1.48E+00	1.17E-03	1.61E-03	3.70E-03	1.49E+00	1.55E+00	1.19E+01	1.47E-01	1.26E-01	1.38E+01	1.55E+00	1.37E-03	1.61E-03	3.70E-03	1.55E+00
5879	487924.06	3860769.81	1.42E+00	1.09E-03	1.59E-03	3.81E-03	1.43E+00	1.49E+00	1.12E+01	1.45E-01	1.30E-01	1.29E+01	1.48E+00	1.28E-03	1.59E-03	3.81E-03	1.49E+00
5880	487830.31	3860771.72	1.40E+00	1.06E-03	1.60E-03	3.84E-03	1.41E+00	1.46E+00	1.09E+01	1.46E-01	1.31E-01	1.26E+01	1.46E+00	1.24E-03	1.60E-03	3.84E-03	1.47E+00
5881	487736.55	3860773.63	1.41E+00	1.05E-03	1.65E-03	4.53E-03	1.42E+00	1.47E+00	1.08E+01	1.50E-01	1.55E-01	1.25E+01	1.47E+00	1.23E-03	1.65E-03	4.53E-03	1.48E+00
5882	487642.8	3860775.54	1.43E+00	1.02E-03	1.47E-03	3.87E-03	1.44E+00	1.49E+00	1.04E+01	1.34E-01	1.32E-01	1.22E+01	1.49E+00	1.19E-03	1.47E-03	3.87E-03	1.50E+00
5883	487549.48	3860684.71	1.46E+00	9.92E-04	1.53E-03	3.51E-03	1.47E+00	1.52E+00	1.01E+01	1.39E-01	1.20E-01	1.19E+01	1.52E+00	1.16E-03	1.53E-03	3.51E-03	1.53E+00
5884	487549.91	3860591.97	1.48E+00	1.05E-03	1.61E-03	3.31E-03	1.49E+00	1.55E+00	1.08E+01	1.47E-01	1.13E-01	1.26E+01	1.54E+00	1.23E-03	1.61E-03	3.31E-03	1.55E+00
5885	487550.34	3860499.23	1.51E+00	1.07E-03	1.70E-03	3.36E-03	1.52E+00	1.57E+00	1.10E+01	1.55E-01	1.15E-01	1.28E+01	1.57E+00	1.26E-03	1.70E-03	3.36E-03	1.58E+00
5886	487550.76	3860406.49	1.55E+00	1.09E-03	1.76E-03	3.71E-03	1.55E+00	1.62E+00	1.11E+01	1.61E-01	1.27E-01	1.30E+01	1.61E+00	1.28E-03	1.76E-03	3.71E-03	1.62E+00
5887	487551.19	3860313.75	1.58E+00	1.13E-03	1.81E-03	4.38E-03	1.59E+00	1.65E+00	1.15E+01	1.65E-01	1.50E-01	1.35E+01	1.65E+00	1.32E-03	1.81E-03	4.38E-03	1.65E+00
5888	487551.62	3860221.01	1.62E+00	1.13E-03	1.86E-03	4.56E-03	1.62E+00	1.69E+00	1.15E+01	1.70E-01	1.56E-01	1.35E+01	1.68E+00	1.32E-03	1.86E-03	4.56E-03	1.69E+00
5889	487552.05	3860128.27	1.67E+00	1.17E-03	1.92E-03	4.62E-03	1.68E+00	1.75E+00	1.19E+01	1.75E-01	1.58E-01	1.40E+01	1.74E+00	1.37E-03	1.92E-03	4.62E-03	1.75E+00
5890	487552.48	3860035.53	1.75E+00	1.21E-03	1.99E-03	4.99E-03	1.76E+00	1.82E+00	1.24E+01	1.81E-01	1.71E-01	1.45E+01	1.82E+00	1.42E-03	1.99E-03	4.99E-03	1.83E+00
5891	487552.91	3859942.79	1.78E+00	1.23E-03	2.05E-03	5.34E-03	1.78E+00	1.85E+00	1.26E+01	1.87E-01	1.82E-01	1.48E+01	1.85E+00	1.44E-03	2.05E-03	5.34E-03	1.86E+00
5892	487553.33	3859850.05	1.82E+00	1.31E-03	2.15E-03	5.41E-03	1.82E+00	1.89E+00	1.34E+01	1.96E-01	1.85E-01	1.57E+01	1.89E+00	1.53E-03	2.15E-03	5.41E-03	1.90E+00
5893	487553.76	3859757.31	1.89E+00	1.38E-03	2.23E-03	6.42E-03	1.90E+00	1.98E+00	1.41E+01	2.03E-01	2.20E-01	1.65E+01	1.97E+00	1.61E-03	2.23E-03	6.42E-03	1.98E+00
5894	487554.19	3859664.57	1.96E+00	1.50E-03	2.27E-03	7.68E-03	1.97E+00	2.04E+00	1.53E+01	2.07E-01	2.63E-01	1.78E+01	2.04E+00	1.75E-03	2.27E-03	7.68E-03	2.05E+00
5895	487460.2	3859571.05	1.98E+00	1.70E-03	2.54E-03	7.31E-03	1.99E+00	2.07E+00	1.74E+01	2.32E-01	2.50E-01	1.99E+01	2.06E+00	1.99E-03	2.54E-03	7.31E-03	2.07E+00
5896	487365.78	3859570.27	1.98E+00	1.66E-03	2.64E-03	6.56E-03	1.99E+00	2.06E+00	1.70E+01	2.41E-01	2.24E-01	1.95E+01	2.06E+00	1.94E-03	2.64E-03	6.56E-03	2.07E+00
5897	487271.36	3859569.48	1.92E+00	1.61E-03	2.59E-03	5.81E-03	1.93E+00	2.00E+00	1.65E+01	2.37E-01	1.99E-01	1.89E+01	2.00E+00	1.89E-03	2.59E-03	5.81E-03	2.01E+00
5898	487176.94	3859568.7	1.84E+00	1.55E-03	2.63E-03	4.97E-03	1.85E+00	1.92E+00	1.58E+01	2.40E-01	1.70E-01	1.82E+01	1.92E+00	1.81E-03	2.63E-03	4.97E-03	1.93E+00
5899	487082.51	3859567.92	1.86E+00	1.50E-03	3.37E-03	4.79E-03	1.87E+00	1.94E+00	1.53E+01	3.08E-01	1.64E-01	1.77E+01	1.94E+00	1.75E-03	3.37E-03	4.79E-03	1.95E+00
5900	486988.09	3859567.14	1.81E+00	1.43E-03	3.79E-03	4.59E-03	1.82E+00	1.89E+00	1.47E+01	3.45E-01	1.57E-01	1.70E+01	1.88E+00	1.68E-03	3.79E-03	4.59E-03	1.89E+00
5901	486893.67	3859566.36	1.74E+00	1.35E-03	3.46E-03	4.47E-03	1.75E+00	1.82E+00	1.38E+01	3.16E-01	1.53E-01	1.61E+01	1.81E+00	1.58E-03	3.46E-03	4.47E-03	1.82E+00
5902	486799.25	3859565.58	1.67E+00	1.20E-03	3.07E-03	4.25E-03	1.68E+00	1.75E+00	1.22E+01	2.80E-01	1.45E-01	1.44E+01	1.74E+00	1.40E-03	3.07E-03	4.25E-03	1.75E+00
5903	486704.83	3859564.79	1.63E+00	1.08E-03	3.37E-03	4.24E-03	1.64E+00	1.70E+00	1.10E+01	3.08E-01	1.45E-01	1.32E+01	1.70E+00	1.26E-03	3.37E-03	4.24E-03	1.71E+00
5904	486610.41	3859564.01	1.60E+00	1.00E-03	3.22E-03	4.31E-03	1.61E+00	1.67E+00	1.02E+01	2.94E-01	1.47E-01	1.24E+01	1.67E+00	1.17E-03	3.22E-03	4.31E-03	1.68E+00
5905	486515.99	3859563.23	1.57E+00	9.34E-04	3.37E-03	4.33E-03	1.57E+00	1.63E+00	9.54E+00	3.07E-01	1.48E-01	1.16E+01	1.63E+00	1.09E-03	3.37E-03	4.33E-03	1.64E+00
5906	486421.57	3859562.45	1.53E+00	8.86E-04	3.77E-03	4.23E-03	1.54E+00	1.60E+00	9.05E+00	3.44E-01	1.45E-01	1.11E+01	1.59E+00	1.04E-03	3.77E-03	4.23E-03	1.60E+00
5907	486327.14	3859561.67	1.49E+00	8.42E-04	4.28E-03	3.83E-03	1.50E+00	1.55E+00	8.60E+00	3.90E-01	1.31E-01	1.07E+01	1.55E+00	9.85E-04	4.28E-03	3.83E-03	1.56E+00
5908	486232.72	3859560.89	1.47E+00	8.15E-04	4.73E-03	3.82E-03	1.48E+00	1.53E+00	8.33E+00	4.31E-01	1.31E-01	1.04E+01	1.53E+00	9.53E-04	4.73E-03	3.82E-03	1.54E+00
5909	486138.3	3859560.1	1.42E+00	7.83E-04	4.87E-03	3.82E-03	1.43E+00	1.48E+00	8.00E+00	4.44E-01	1.31E-01	1.01E+01	1.48E+00	9.16E-04	4.87E-03	3.82E-03	1.49E+00
5910	486043.88	3859559.32	1.40E+00	7.51E-04	5.12E-03	3.78E-03	1.41E+00	1.46E+00	7.67E+00	4.67E-01	1.29E-01	9.72E+00	1.46E+00	8.78E-04	5.12E-03	3.78E-03	1.47E+00
5911	485949.35	3859463.54	1.39E+00	7.55E-04	5.34E-03	3.69E-03	1.40E+00	1.45E+00	7.71E+00	4.87E-01	1.26E-01	9.78E+00	1.45E+00	8.83E-04	5.34E-03	3.69E-03	1.46E+00
5912	485949.24	3859368.55	1.42E+00	8.36E-04	5.57E-03	3.78E-03	1.43E+00	1.49E+00	8.55E+00	5.08E-01	1.29E-01	1.07E+01	1.48E+00	9.79E-04	5.57E-03	3.78E-03	1.49E+00
5913	485949.12	3859273.55	1.48E+00	9.17E-04	5.37E-03	3.67E-03	1.49E+00	1.54E+00	9.36E+00	4.89E-01	1.26E-01	1.15E+01	1.54E+00	1.07E-03	5.37E-03	3.67E-03	1.55E+00

5914	485949.01	3859178.56	1.53E+00	9.97E-04	5.75E-03	3.96E-03	1.54E+00	1.59E+00	1.02E+01	5.24E-01	1.36E-01	1.24E+01	1.59E+00	1.17E-03	5.75E-03	3.96E-03	1.60E+00
5915	485948.9	3859083.56	1.57E+00	1.09E-03	7.05E-03	4.14E-03	1.58E+00	1.64E+00	1.11E+01	6.43E-01	1.41E-01	1.36E+01	1.64E+00	1.28E-03	7.05E-03	4.14E-03	1.65E+00
5916	485948.79	3858988.56	1.61E+00	1.18E-03	9.04E-03	4.32E-03	1.62E+00	1.68E+00	1.20E+01	8.24E-01	1.48E-01	1.47E+01	1.67E+00	1.37E-03	9.04E-03	4.32E-03	1.69E+00
5917	485948.67	3858893.57	1.64E+00	1.25E-03	1.04E-02	4.30E-03	1.66E+00	1.71E+00	1.28E+01	9.51E-01	1.47E-01	1.56E+01	1.71E+00	1.46E-03	1.04E-02	4.30E-03	1.73E+00
5918	485948.56	3858798.57	1.68E+00	1.29E-03	1.11E-02	4.33E-03	1.70E+00	1.76E+00	1.32E+01	1.01E+00	1.48E-01	1.61E+01	1.75E+00	1.51E-03	1.11E-02	4.33E-03	1.77E+00
5919	485948.45	3858703.58	1.72E+00	1.27E-03	1.06E-02	4.58E-03	1.74E+00	1.80E+00	1.29E+01	9.67E-01	1.57E-01	1.59E+01	1.80E+00	1.48E-03	1.06E-02	4.58E-03	1.81E+00
5920	485948.34	3858608.58	1.78E+00	1.24E-03	9.63E-03	4.28E-03	1.80E+00	1.86E+00	1.27E+01	8.78E-01	1.46E-01	1.56E+01	1.86E+00	1.45E-03	9.63E-03	4.28E-03	1.87E+00
5921	485948.22	3858513.59	1.84E+00	1.22E-03	9.79E-03	4.22E-03	1.86E+00	1.92E+00	1.25E+01	8.93E-01	1.44E-01	1.55E+01	1.92E+00	1.43E-03	9.79E-03	4.22E-03	1.93E+00
5922	485948.11	3858418.59	1.89E+00	1.22E-03	9.64E-03	4.15E-03	1.90E+00	1.97E+00	1.25E+01	8.79E-01	1.42E-01	1.55E+01	1.97E+00	1.43E-03	9.64E-03	4.15E-03	1.98E+00
5923	485948	3858323.59	1.97E+00	1.25E-03	1.00E-02	3.82E-03	1.98E+00	2.05E+00	1.27E+01	9.14E-01	1.31E-01	1.58E+01	2.05E+00	1.46E-03	1.00E-02	3.82E-03	2.07E+00
5924	485947.89	3858228.6	2.03E+00	1.31E-03	9.84E-03	3.76E-03	2.04E+00	2.12E+00	1.34E+01	8.97E-01	1.29E-01	1.66E+01	2.11E+00	1.54E-03	9.84E-03	3.76E-03	2.13E+00
5925	485947.77	3858133.6	2.10E+00	1.41E-03	1.12E-02	3.72E-03	2.11E+00	2.19E+00	1.44E+01	1.02E+00	1.27E-01	1.78E+01	2.18E+00	1.65E-03	1.12E-02	3.72E-03	2.20E+00
5926	485947.66	3858038.61	2.19E+00	1.46E-03	1.06E-02	3.37E-03	2.20E+00	2.28E+00	1.49E+01	9.66E-01	1.15E-01	1.83E+01	2.28E+00	1.70E-03	1.06E-02	3.37E-03	2.29E+00
5927	485854.54	3857943.35	2.19E+00	1.37E-03	9.53E-03	3.19E-03	2.21E+00	2.29E+00	1.40E+01	8.69E-01	1.09E-01	1.72E+01	2.28E+00	1.60E-03	9.53E-03	3.19E-03	2.30E+00
5928	485761.52	3857943.09	2.12E+00	1.31E-03	8.90E-03	3.35E-03	2.13E+00	2.21E+00	1.34E+01	8.12E-01	1.14E-01	1.65E+01	2.21E+00	1.53E-03	8.90E-03	3.35E-03	2.22E+00
5929	485668.51	3857942.83	2.05E+00	1.20E-03	8.35E-03	3.47E-03	2.07E+00	2.14E+00	1.22E+01	7.62E-01	1.19E-01	1.53E+01	2.14E+00	1.40E-03	8.35E-03	3.47E-03	2.15E+00
5930	485575.5	3857942.56	1.99E+00	1.11E-03	7.88E-03	3.47E-03	2.01E+00	2.08E+00	1.13E+01	7.19E-01	1.19E-01	1.42E+01	2.08E+00	1.30E-03	7.88E-03	3.47E-03	2.09E+00
5931	485482.48	3857942.3	1.95E+00	1.04E-03	7.47E-03	3.39E-03	1.96E+00	2.03E+00	1.06E+01	6.81E-01	1.16E-01	1.34E+01	2.03E+00	1.21E-03	7.47E-03	3.39E-03	2.04E+00
5932	485389.47	3857942.04	1.88E+00	9.85E-04	7.13E-03	3.36E-03	1.89E+00	1.96E+00	1.01E+01	6.50E-01	1.15E-01	1.28E+01	1.96E+00	1.15E-03	7.13E-03	3.36E-03	1.97E+00
5933	485296.46	3857941.78	1.84E+00	9.35E-04	6.80E-03	3.33E-03	1.85E+00	1.92E+00	9.55E+00	6.20E-01	1.14E-01	1.22E+01	1.92E+00	1.09E-03	6.80E-03	3.33E-03	1.93E+00
5934	485203.45	3857941.52	1.79E+00	8.92E-04	6.50E-03	3.14E-03	1.80E+00	1.87E+00	9.12E+00	5.93E-01	1.07E-01	1.17E+01	1.86E+00	1.04E-03	6.50E-03	3.14E-03	1.87E+00
5935	485110.43	3857941.26	1.75E+00	8.89E-04	6.22E-03	2.77E-03	1.76E+00	1.83E+00	9.09E+00	5.67E-01	9.46E-02	1.16E+01	1.82E+00	1.04E-03	6.22E-03	2.77E-03	1.83E+00
5936	485017.42	3857940.99	1.70E+00	8.90E-04	5.95E-03	2.95E-03	1.71E+00	1.78E+00	9.09E+00	5.42E-01	1.01E-01	1.15E+01	1.77E+00	1.04E-03	5.95E-03	2.95E-03	1.78E+00
5937	484924.41	3857940.73	1.66E+00	8.91E-04	5.69E-03	2.87E-03	1.67E+00	1.73E+00	9.10E+00	5.19E-01	9.82E-02	1.14E+01	1.73E+00	1.04E-03	5.69E-03	2.87E-03	1.74E+00
5938	484831.39	3857940.47	1.64E+00	8.96E-04	5.46E-03	2.72E-03	1.65E+00	1.71E+00	9.16E+00	4.98E-01	9.29E-02	1.15E+01	1.71E+00	1.05E-03	5.46E-03	2.72E-03	1.72E+00
5939	484738.12	3857859.3	1.65E+00	9.08E-04	5.45E-03	2.93E-03	1.65E+00	1.72E+00	9.27E+00	4.97E-01	1.00E-01	1.16E+01	1.71E+00	1.06E-03	5.45E-03	2.93E-03	1.72E+00
5940	484737.85	3857778.4	1.71E+00	9.44E-04	6.34E-03	2.92E-03	1.72E+00	1.78E+00	9.64E+00	5.78E-01	9.98E-02	1.21E+01	1.78E+00	1.10E-03	6.34E-03	2.92E-03	1.79E+00
5941	484737.59	3857697.49	1.75E+00	9.91E-04	5.32E-03	2.95E-03	1.76E+00	1.83E+00	1.01E+01	4.85E-01	1.01E-01	1.25E+01	1.83E+00	1.16E-03	5.32E-03	2.95E-03	1.84E+00
5942	484737.32	3857616.59	1.82E+00	1.05E-03	5.56E-03	3.07E-03	1.83E+00	1.90E+00	1.08E+01	5.07E-01	1.05E-01	1.33E+01	1.90E+00	1.23E-03	5.56E-03	3.07E-03	1.91E+00
5943	484645.53	3857535.18	1.84E+00	1.14E-03	6.10E-03	2.97E-03	1.85E+00	1.92E+00	1.16E+01	5.57E-01	1.02E-01	1.42E+01	1.91E+00	1.33E-03	6.10E-03	2.97E-03	1.92E+00
5944	484553.99	3857534.67	1.81E+00	1.11E-03	5.85E-03	2.83E-03	1.82E+00	1.89E+00	1.13E+01	5.34E-01	9.69E-02	1.39E+01	1.88E+00	1.30E-03	5.85E-03	2.83E-03	1.89E+00
5945	484462.46	3857534.17	1.78E+00	1.09E-03	5.62E-03	2.84E-03	1.79E+00	1.86E+00	1.11E+01	5.13E-01	9.71E-02	1.36E+01	1.85E+00	1.28E-03	5.62E-03	2.84E-03	1.86E+00
5946	484370.93	3857533.66	1.75E+00	1.07E-03	5.31E-03	2.50E-03	1.76E+00	1.82E+00	1.10E+01	4.84E-01	8.55E-02	1.34E+01	1.82E+00	1.26E-03	5.31E-03	2.50E-03	1.83E+00
5947	484279.4	3857533.16	1.74E+00	1.03E-03	5.01E-03	2.35E-03	1.74E+00	1.81E+00	1.05E+01	4.56E-01	8.04E-02	1.28E+01	1.81E+00	1.20E-03	5.01E-03	2.35E-03	1.82E+00
5948	484187.86	3857532.65	1.71E+00	9.85E-04	4.72E-03	2.38E-03	1.72E+00	1.79E+00	1.01E+01	4.31E-01	8.16E-02	1.24E+01	1.78E+00	1.15E-03	4.72E-03	2.38E-03	1.79E+00
5949	484096.33	3857532.15	1.69E+00	9.12E-04	4.44E-03	2.35E-03	1.70E+00	1.76E+00	9.32E+00	4.05E-01	8.03E-02	1.16E+01	1.76E+00	1.07E-03	4.44E-03	2.35E-03	1.77E+00
5950	484004.8	3857531.64	1.66E+00	8.48E-04	4.19E-03	2.36E-03	1.67E+00	1.74E+00	8.66E+00	3.82E-01	8.07E-02	1.09E+01	1.73E+00	9.92E-04	4.19E-03	2.36E-03	1.74E+00
5951	483913.27	3857531.14	1.63E+00	7.85E-04	4.01E-03	2.80E-03	1.64E+00	1.70E+00	8.02E+00	3.65E-01	9.57E-02	1.02E+01	1.70E+00	9.18E-04	4.01E-03	2.80E-03	1.70E+00
5952	483821.73	3857530.63	1.61E+00	7.33E-04	3.87E-03	3.04E-03	1.61E+00	1.68E+00	7.49E+00	3.53E-01	1.04E-01	9.62E+00	1.67E+00	8.58E-04	3.87E-03	3.04E-03	1.68E+00
5953	483729.61	3857450.11	1.61E+00	7.51E-04	4.39E-03	3.57E-03	1.62E+00	1.68E+00	7.68E+00	4.00E-01	1.22E-01	9.88E+00	1.67E+00	8.79E-04	4.39E-03	3.57E-03	1.68E+00
5954	483729.03	3857370.08	1.64E+00	8.14E-04	4.31E-03	3.76E-03	1.65E+00	1.72E+00	8.32E+00	3.93E-01	1.29E-01	1.06E+01	1.71E+00	9.53E-04	4.31E-03	3.76E-03	1.72E+00
5955	483728.44	3857290.06	1.69E+00	8.85E-04	4.54E-03	3.67E-03	1.70E+00	1.76E+00	9.05E+00	4.14E-01	1.25E-01	1.13E+01	1.76E+00	1.04E-03	4.54E-03	3.67E-03	1.77E+00
5956	483727.86	3857210.03	1.73E+00	9.78E-04	4.71E-03	3.91E-03	1.74E+00	1.80E+00	9.99E+00	4.29E-01	1.34E-01	1.24E+01	1.80E+00	1.14E-03	4.71E-03	3.91E-03	1.81E+00
5957	483641.15	3857129.07	1.74E+00	1.01E-03	5.31E-03	3.91E-03	1.75E+00	1.82E+00	1.03E+01	4.84E-01	1.34E-01	1.27E+01	1.81E+00	1.18E-03	5.31E-03	3.91E-03	1.82E+00
5958	483555.03	3857128.14	1.72E+00	9.27E-04	5.01E-03	3.84E-03	1.73E+00	1.79E+00	9.47E+00	4.57E-01	1.31E-01	1.19E+01	1.79E+00	1.08E-03	5.01E-03	3.84E-03	1.80E+00
5959	483468.91	3857127.2	1.69E+00	8.67E-04	4.69E-03	3.60E-03	1.70E+00	1.76E+00	8.86E+00	4.28E-01	1.23E-01	1.12E+01	1.76E+00	1.01E-03	4.69E-03	3.60E-03	1.77E+00
5960	483382.78	3857126.26	1.66E+00	8.07E-04	4.43E-03	3.64E-03	1.67E+00	1.74E+00	8.25E+00	4.04E-01	1.25E-01	1.05E+01	1.73E+00	9.44E-04	4.43E-03	3.64E-03	1.74E+00
5961	483296.66	3857125.32	1.64E+00	7.72E-04	4.20E-03	3.54E-03	1.65E+00	1.72E+00	7.88E+00	3.83E-01	1.21E-01	1.01E+01	1.71E+00	9.03E-04	4.20E-03	3.54E-03	1.72E+00
5962	483210.54	3857124.39	1.62E+00	7.41E-04	4.05E-03	3.46E-03	1.63E+00	1.69E+00	7.57E+00	3.70E-01	1.18E-01	9.75E+00	1.69E+00	8.67E-04	4.05E-03	3.46E-03	1.69E+00
5963	483123.4	3857030.96	1.63E+00	7.61E-04	4.72E-03	3.51E-03	1.64E+00	1.70E+00	7.77E+00	4.30E-01	1.20E-01	1.00E+01	1.70E+00	8.90E-04	4.72E-03	3.51E-03	1.71E+00
5964	483122.38	3856938.46	1.67E+00	8.10E-04	5.17E-03	3.20E-03	1.68E+00	1.75E+00	8.27E+00	4.72E-01	1.09E-01	1.06E+01	1.74E+00	9.47E-04	5.17E-03	3.20E-03	1.75E+00
5965	483121.35	3856845.97	1.73E+00	8.59E-04	4.75E-03	3.33E-03	1.74E+00	1.80E+00	8.78E+00	4.33E-01	1.14E-01	1.11E+01	1.80E+00	1.01E-03	4.75E-03	3.33E-03	1.81E+00
5966	483120.33	3856753.47	1.77E+00	9.99E-04	4.41E-03	3.76E-03	1.78E+00	1.85E+00	1.02E+01	4.03E-01	1.28E-01	1.26E+01	1.84E+00	1.17E-03	4.41E-03	3.76E-03	1.85E+00
5967	483119.31	3856660.98	1.80E+00	1.09E-03	4.19E-03	4.17E-03	1.81E+00	1.88E+00	1.11E+01	3.82E-01	1.43E-01	1.35E+01	1.88E+00	1.27E-03	4.19E-03	4.17E-03	1.89E+00
5968	483118.29	3856568.49	1.87E+00	1.15E-03	4.04E-03	4.54E-03	1.88E+00	1.95E+00	1.17E+01	3.68E-01	1.55E-01	1.42E+01	1.95E+00	1.34E-03	4.04E-03	4.54E-03	1.96E+00
5969	483117.26	3856475.99	1.93E+00	1.15E-03	4.25E-03	4.75E-03	1.94E+00	2.01E+00	1.18E+01	3.87E-01	1.63E-01	1.43E+01	2.01E+00	1.35E-03	4.25E-03	4.75E-03	2.02E+00
5970	483116.24	3856383.5	1.98E+00	1.19E-03	4.40E-03	5.37E-03	1.99E+00	2.06E+00	1.21E+01	4.01E-01	1.84E-01	1.48E+01	2.06E+00	1.39E-03	4.40E-03	5.37E-03	2.07E+00
5971	483115.22	3856291.01	2.02E+00	1.22E-03	4.07E-03	6.05E-03	2.03E+00	2.11E+00	1.24E+01	3.71E-01	2.07E-01	1.51E+01	2.10E+00	1.42E-03	4.07E-03	6.05E-03	2.12E+00
5972	483114.2	3856198.51	2.09E+00	1.31E-03	3.68E-03	6.61E-03	2.10E+00	2.18E+00	1.34E+01	3.35E-01	2.26E-01	1.62E+01	2.18E+00	1.54E-03	3.68E-03	6.61E-03	2.19E+00
5973	483113.17	3856106.02	2.19E+00	1.30E-03	3.31E-03	7.74E-03	2.20E+00	2.28E+00	1.33E+01	3.02E-01	2.65E-01	1.61E+01	2.28E+00	1.52E-03	3.31E-03	7.74E-03	2.29E+00
5974	483112.15	3856013.52	2.23E+00	1.36E-03	2.94E-03	7.62E-03	2.24E+00	2.33E+00	1.39E+01	2.68E-01	2.61E-01	1.67E+01	2.32E+00	1.59E-03	2.94E-03	7.62E-03	2.33E+00

5975	483029.25	3855920.47	2.25E+00	1.27E-03	2.69E-03	6.68E-03	2.26E+00	2.34E+00	1.30E+01	2.45E-01	2.29E-01	1.58E+01	2.34E+00	1.49E-03	2.69E-03	6.68E-03	2.35E+00
5976	482947.37	3855919.91	2.20E+00	1.17E-03	2.73E-03	5.81E-03	2.21E+00	2.29E+00	1.20E+01	2.49E-01	1.99E-01	1.47E+01	2.29E+00	1.37E-03	2.73E-03	5.81E-03	2.30E+00
5977	482865.49	3855919.36	2.16E+00	1.12E-03	2.77E-03	5.30E-03	2.16E+00	2.25E+00	1.14E+01	2.53E-01	1.81E-01	1.41E+01	2.24E+00	1.31E-03	2.77E-03	5.30E-03	2.25E+00
5978	482783.61	3855918.8	2.13E+00	1.07E-03	2.82E-03	5.01E-03	2.14E+00	2.22E+00	1.09E+01	2.57E-01	1.71E-01	1.36E+01	2.22E+00	1.25E-03	2.82E-03	5.01E-03	2.23E+00
5979	482700.33	3855818.39	2.13E+00	1.03E-03	2.57E-03	4.44E-03	2.14E+00	2.22E+00	1.05E+01	2.35E-01	1.52E-01	1.31E+01	2.22E+00	1.20E-03	2.57E-03	4.44E-03	2.23E+00
5980	482698.92	3855718.54	2.22E+00	1.02E-03	2.42E-03	4.50E-03	2.23E+00	2.32E+00	1.04E+01	2.20E-01	1.54E-01	1.31E+01	2.31E+00	1.20E-03	2.42E-03	4.50E-03	2.32E+00
5981	482697.52	3855618.68	2.29E+00	1.10E-03	2.14E-03	4.23E-03	2.30E+00	2.39E+00	1.13E+01	1.96E-01	1.45E-01	1.40E+01	2.39E+00	1.29E-03	2.14E-03	4.23E-03	2.39E+00
5982	482696.11	3855518.83	2.41E+00	1.21E-03	1.97E-03	4.02E-03	2.42E+00	2.52E+00	1.24E+01	1.79E-01	1.38E-01	1.52E+01	2.51E+00	1.42E-03	1.97E-03	4.02E-03	2.52E+00
5983	482694.71	3855418.98	2.51E+00	1.37E-03	1.86E-03	3.39E-03	2.52E+00	2.62E+00	1.40E+01	1.70E-01	1.16E-01	1.69E+01	2.62E+00	1.60E-03	1.86E-03	3.39E-03	2.62E+00
5984	482693.3	3855319.13	2.61E+00	1.31E-03	1.96E-03	2.82E-03	2.62E+00	2.72E+00	1.34E+01	1.79E-01	9.66E-02	1.64E+01	2.72E+00	1.53E-03	1.96E-03	2.82E-03	2.72E+00
5985	482691.9	3855219.27	2.69E+00	1.23E-03	2.00E-03	3.48E-03	2.70E+00	2.81E+00	1.25E+01	1.83E-01	1.19E-01	1.56E+01	2.80E+00	1.43E-03	2.00E-03	3.48E-03	2.81E+00
5986	482690.49	3855119.42	2.66E+00	1.18E-03	1.56E-03	5.47E-03	2.67E+00	2.78E+00	1.21E+01	1.42E-01	1.87E-01	1.52E+01	2.77E+00	1.38E-03	1.56E-03	5.47E-03	2.78E+00
5987	482689.09	3855019.57	2.73E+00	1.07E-03	1.41E-03	6.58E-03	2.74E+00	2.85E+00	1.09E+01	1.28E-01	2.25E-01	1.41E+01	2.84E+00	1.25E-03	1.41E-03	6.58E-03	2.85E+00
5988	482687.68	3854919.71	2.76E+00	1.08E-03	1.39E-03	4.72E-03	2.77E+00	2.88E+00	1.10E+01	1.27E-01	1.61E-01	1.42E+01	2.88E+00	1.26E-03	1.39E-03	4.72E-03	2.88E+00
5989	482686.28	3854819.86	2.58E+00	9.55E-04	1.33E-03	3.98E-03	2.59E+00	2.70E+00	9.75E+00	1.22E-01	1.36E-01	1.27E+01	2.69E+00	1.12E-03	1.33E-03	3.98E-03	2.70E+00
5990	482684.88	3854720.01	2.55E+00	8.97E-04	1.25E-03	3.86E-03	2.56E+00	2.67E+00	9.16E+00	1.14E-01	1.32E-01	1.21E+01	2.66E+00	1.05E-03	1.25E-03	3.86E-03	2.67E+00
5991	482683.47	3854620.16	2.48E+00	7.55E-04	1.08E-03	3.55E-03	2.48E+00	2.59E+00	7.71E+00	9.84E-02	1.22E-01	1.05E+01	2.58E+00	8.83E-04	1.08E-03	3.55E-03	2.59E+00
5992	482682.07	3854520.31	2.45E+00	6.88E-04	1.03E-03	3.18E-03	2.46E+00	2.56E+00	7.03E+00	9.40E-02	1.09E-01	9.79E+00	2.56E+00	8.05E-04	1.03E-03	3.18E-03	2.56E+00
5993	482680.66	3854420.45	2.43E+00	6.34E-04	1.00E-03	3.15E-03	2.43E+00	2.53E+00	6.48E+00	9.16E-02	1.08E-01	9.21E+00	2.53E+00	7.42E-04	1.00E-03	3.15E-03	2.53E+00
5994	482679.26	3854320.6	2.46E+00	5.83E-04	9.69E-04	2.76E-03	2.46E+00	2.57E+00	5.96E+00	8.83E-02	9.44E-02	8.71E+00	2.56E+00	6.82E-04	9.69E-04	2.76E-03	2.57E+00
5995	482677.85	3854220.75	2.69E+00	5.16E-04	9.01E-04	2.59E-03	2.69E+00	2.80E+00	5.27E+00	8.22E-02	8.85E-02	8.24E+00	2.80E+00	6.03E-04	9.01E-04	2.59E-03	2.80E+00
5996	482676.45	3854120.9	2.70E+00	4.65E-04	8.80E-04	2.45E-03	2.71E+00	2.82E+00	4.75E+00	8.03E-02	8.38E-02	7.73E+00	2.81E+00	5.44E-04	8.80E-04	2.45E-03	2.82E+00
5997	482675.04	3854021.04	2.70E+00	4.62E-04	8.62E-04	2.29E-03	2.70E+00	2.81E+00	4.72E+00	7.86E-02	7.83E-02	7.69E+00	2.81E+00	5.40E-04	8.62E-04	2.29E-03	2.81E+00
5998	482673.64	3853921.19	2.48E+00	4.46E-04	8.61E-04	2.11E-03	2.49E+00	2.59E+00	4.56E+00	7.85E-02	7.21E-02	7.30E+00	2.59E+00	5.22E-04	8.61E-04	2.11E-03	2.59E+00
5999	482672.23	3853821.34	2.71E+00	4.26E-04	8.69E-04	1.94E-03	2.71E+00	2.83E+00	4.35E+00	7.92E-02	6.64E-02	7.32E+00	2.82E+00	4.98E-04	8.69E-04	1.94E-03	2.82E+00
6000	482670.83	3853721.48	2.43E+00	4.11E-04	8.76E-04	1.97E-03	2.44E+00	2.54E+00	4.19E+00	7.99E-02	6.75E-02	6.88E+00	2.53E+00	4.80E-04	8.76E-04	1.97E-03	2.54E+00
6001	482669.42	3853621.63	2.38E+00	3.94E-04	8.64E-04	1.84E-03	2.38E+00	2.48E+00	4.03E+00	7.88E-02	6.28E-02	6.65E+00	2.48E+00	4.61E-04	8.64E-04	1.84E-03	2.48E+00
6002	482645.99	3853446.13	2.14E+00	3.70E-04	8.27E-04	1.71E-03	2.14E+00	2.23E+00	3.78E+00	7.54E-02	5.86E-02	6.15E+00	2.23E+00	4.33E-04	8.27E-04	1.71E-03	2.23E+00
6003	482623.97	3853370.48	2.35E+00	3.65E-04	8.10E-04	1.68E-03	2.35E+00	2.45E+00	3.73E+00	7.39E-02	5.74E-02	6.31E+00	2.45E+00	4.27E-04	8.10E-04	1.68E-03	2.45E+00
6004	482601.94	3853294.84	2.32E+00	3.53E-04	8.03E-04	1.62E-03	2.32E+00	2.42E+00	3.60E+00	7.33E-02	5.55E-02	6.15E+00	2.41E+00	4.13E-04	8.03E-04	1.62E-03	2.42E+00
6005	482531.29	3853133.44	2.51E+00	3.35E-04	7.86E-04	1.56E-03	2.51E+00	2.62E+00	3.42E+00	7.17E-02	5.35E-02	6.16E+00	2.61E+00	3.92E-04	7.86E-04	1.56E-03	2.62E+00
6006	482482.68	3853047.69	2.54E+00	3.27E-04	7.66E-04	1.52E-03	2.54E+00	2.65E+00	3.34E+00	6.99E-02	5.21E-02	6.12E+00	2.65E+00	3.83E-04	7.66E-04	1.52E-03	2.65E+00
6007	482383.09	3852897.4	2.50E+00	3.13E-04	7.51E-04	1.40E-03	2.51E+00	2.61E+00	3.20E+00	6.85E-02	4.79E-02	5.93E+00	2.61E+00	3.67E-04	7.51E-04	1.40E-03	2.61E+00
6008	482265.64	3852765.26	2.38E+00	3.04E-04	7.36E-04	1.32E-03	2.39E+00	2.49E+00	3.11E+00	6.71E-02	4.52E-02	5.71E+00	2.48E+00	3.56E-04	7.36E-04	1.32E-03	2.48E+00
6009	482199.16	3852697.66	2.33E+00	2.91E-04	7.26E-04	1.29E-03	2.33E+00	2.43E+00	2.97E+00	6.62E-02	4.42E-02	5.51E+00	2.43E+00	3.40E-04	7.26E-04	1.29E-03	2.43E+00
6010	482132.69	3852630.07	2.28E+00	2.90E-04	7.16E-04	1.26E-03	2.28E+00	2.38E+00	2.96E+00	6.53E-02	4.31E-02	5.45E+00	2.37E+00	3.39E-04	7.16E-04	1.26E-03	2.38E+00
6011	482066.21	3852562.48	2.23E+00	2.88E-04	7.07E-04	1.19E-03	2.23E+00	2.33E+00	2.94E+00	6.44E-02	4.07E-02	5.38E+00	2.32E+00	3.37E-04	7.07E-04	1.19E-03	2.32E+00
6012	481999.74	3852494.89	2.17E+00	2.82E-04	6.98E-04	1.16E-03	2.17E+00	2.26E+00	2.88E+00	6.37E-02	3.96E-02	5.25E+00	2.26E+00	3.30E-04	6.98E-04	1.16E-03	2.26E+00
6013	481933.26	3852427.29	2.12E+00	2.76E-04	6.90E-04	1.13E-03	2.12E+00	2.21E+00	2.82E+00	6.29E-02	3.86E-02	5.13E+00	2.20E+00	3.23E-04	6.90E-04	1.13E-03	2.21E+00
6014	481866.79	3852359.7	2.07E+00	2.67E-04	6.80E-04	1.11E-03	2.07E+00	2.16E+00	2.72E+00	6.20E-02	3.78E-02	4.99E+00	2.16E+00	3.12E-04	6.80E-04	1.11E-03	2.16E+00
6015	481800.31	3852292.11	2.03E+00	2.62E-04	6.72E-04	1.08E-03	2.03E+00	2.12E+00	2.68E+00	6.13E-02	3.71E-02	4.90E+00	2.12E+00	3.07E-04	6.72E-04	1.08E-03	2.12E+00
6016	481733.84	3852224.52	1.99E+00	2.59E-04	6.66E-04	1.06E-03	1.99E+00	2.08E+00	2.64E+00	6.07E-02	3.62E-02	4.82E+00	2.07E+00	3.03E-04	6.66E-04	1.06E-03	2.07E+00
6017	481667.36	3852156.92	1.95E+00	2.58E-04	6.58E-04	1.04E-03	1.95E+00	2.04E+00	2.64E+00	6.01E-02	3.56E-02	4.77E+00	2.03E+00	3.02E-04	6.58E-04	1.04E-03	2.03E+00
6018	481600.89	3852089.33	1.91E+00	2.58E-04	6.53E-04	1.02E-03	1.91E+00	1.99E+00	2.63E+00	5.96E-02	3.48E-02	4.72E+00	1.99E+00	3.01E-04	6.53E-04	1.02E-03	1.99E+00
6019	481534.41	3852021.74	1.86E+00	2.57E-04	6.49E-04	9.86E-04	1.87E+00	1.94E+00	2.63E+00	5.92E-02	3.37E-02	4.67E+00	1.94E+00	3.01E-04	6.49E-04	9.86E-04	1.94E+00
6020	481467.94	3851954.15	1.82E+00	2.58E-04	6.44E-04	9.71E-04	1.82E+00	1.90E+00	2.64E+00	5.87E-02	3.32E-02	4.63E+00	1.90E+00	3.02E-04	6.44E-04	9.71E-04	1.90E+00
6021	481401.46	3851886.55	1.79E+00	2.54E-04	6.39E-04	9.60E-04	1.79E+00	1.86E+00	2.60E+00	5.82E-02	3.28E-02	4.55E+00	1.86E+00	2.98E-04	6.39E-04	9.60E-04	1.86E+00
6022	481265.87	3851761.43	1.70E+00	2.60E-04	6.28E-04	9.49E-04	1.70E+00	1.77E+00	2.65E+00	5.73E-02	3.25E-02	4.51E+00	1.77E+00	3.04E-04	6.28E-04	9.49E-04	1.77E+00
6023	481196.74	3851703.89	1.65E+00	2.60E-04	6.22E-04	9.46E-04	1.65E+00	1.72E+00	2.65E+00	5.68E-02	3.23E-02	4.46E+00	1.72E+00	3.04E-04	6.22E-04	9.46E-04	1.72E+00
6024	481076.33	3851619.04	1.57E+00	2.60E-04	6.12E-04	9.35E-04	1.58E+00	1.64E+00	2.65E+00	5.58E-02	3.20E-02	4.39E+00	1.64E+00	3.04E-04	6.12E-04	9.35E-04	1.64E+00
6025	480939.8	3851549.07	1.54E+00	2.63E-04	6.00E-04	8.92E-04	1.54E+00	1.61E+00	2.69E+00	5.47E-02	3.05E-02	4.38E+00	1.60E+00	3.08E-04	6.00E-04	8.92E-04	1.60E+00
6026	480854.56	3851506.41	1.44E+00	2.60E-04	5.98E-04	8.79E-04	1.44E+00	1.50E+00	2.66E+00	5.45E-02	3.00E-02	4.24E+00	1.50E+00	3.05E-04	5.98E-04	8.79E-04	1.50E+00
6027	480769.32	3851463.75	1.38E+00	2.58E-04	5.96E-04	8.81E-04	1.38E+00	1.44E+00	2.64E+00	5.44E-02	3.01E-02	4.17E+00	1.44E+00	3.02E-04	5.96E-04	8.81E-04	1.44E+00
6028	480684.08	3851421.08	1.32E+00	2.55E-04	5.93E-04	8.74E-04	1.32E+00	1.38E+00	2.60E+00	5.41E-02	2.99E-02	4.07E+00	1.37E+00	2.98E-04	5.93E-04	8.74E-04	1.38E+00
6029	480598.84	3851378.42	1.26E+00	2.59E-04	5.89E-04	8.59E-04	1.26E+00	1.31E+00	2.64E+00	5.37E-02	2.94E-02	4.04E+00	1.31E+00	3.03E-04	5.89E-04	8.59E-04	1.31E+00
6030	480435.71	3851275.01	1.10E+00	2.53E-04	5.79E-04	8.41E-04	1.10E+00	1.15E+00	2.58E+00	5.28E-02	2.88E-02	3.81E+00	1.14E+00	2.96E-04	5.79E-04	8.41E-04	1.14E+00
6031	480347.85	3851232.36	9.60E-01	2.49E-04	5.74E-04	8.26E-04	9.61E-01	1.00E+00	2.55E+00	5.23E-02	2.82E-02	3.63E+00	9.99E-01	2.92E-04	5.74E-04	8.26E-04	1.00E+00
6032	480260	3851189.72	8.99E-01	2.53E-04	5.70E-04	8.02E-04	9.00E-01	9.38E-01	2.59E+00	5.20E-02	2.74E-02	3.61E+00	9.36E-01	2.97E-04	5.70E-04	8.02E-04	9.38E-01
6033	480172.15	3851147.07	8.81E-01	2.59E-04	5.70E-04	7.89E-04	8.83E-01	9.19E-01	2.65E+00	5.20E-02	2.70E-02	3.65E+00	9.17E-01	3.03E-04	5.70E-04	7.89E-04	9.19E-01
6034	480084.29	3851104.42	8.48E-01	2.56E-04	5.68E-04	7.76E-04	8.49E-01	8.85E-01	2.61E+00	5.18E-02	2.65E-02	3.57E+00	8.83E-01	2.99E-04	5.68E-04	7.76E-04	8.84E-01
6035	479996.44	3851061.77	7.95E-01	2.49E-04	5.63E-04	7.50E-04	7.97E-01	8.30E-01	2.54E+00	5.13E-02	2.56E-02	3.45E+00	8.28E-01	2.91E-04	5.63E-04	7.50E-04	8.30E-01

6036	479908.58	3851019.13	7.90E-01	2.34E-04	5.56E-04	7.33E-04	7.92E-01	8.25E-01	2.40E+00	5.07E-02	2.51E-02	3.30E+00	8.23E-01	2.74E-04	5.56E-04	7.33E-04	8.24E-01
6037	479820.73	3850976.48	7.79E-01	2.26E-04	5.51E-04	7.04E-04	7.80E-01	8.13E-01	2.31E+00	5.03E-02	2.41E-02	3.20E+00	8.11E-01	2.65E-04	5.51E-04	7.04E-04	8.12E-01
6038	479732.88	3850933.83	7.59E-01	2.24E-04	5.47E-04	6.75E-04	7.60E-01	7.92E-01	2.29E+00	4.99E-02	2.31E-02	3.15E+00	7.90E-01	2.62E-04	5.47E-04	6.75E-04	7.92E-01
6039	479645.02	3850891.18	7.57E-01	2.28E-04	5.43E-04	6.52E-04	7.59E-01	7.90E-01	2.33E+00	4.95E-02	2.23E-02	3.19E+00	7.89E-01	2.66E-04	5.43E-04	6.52E-04	7.90E-01
6040	479557.17	3850848.54	7.02E-01	2.32E-04	5.39E-04	6.38E-04	7.04E-01	7.33E-01	2.37E+00	4.92E-02	2.18E-02	3.18E+00	7.31E-01	2.72E-04	5.39E-04	6.38E-04	7.33E-01
6041	479469.32	3850805.89	6.45E-01	2.33E-04	5.36E-04	6.24E-04	6.47E-01	6.73E-01	2.38E+00	4.89E-02	2.14E-02	3.12E+00	6.72E-01	2.72E-04	5.36E-04	6.24E-04	6.74E-01
6042	479381.46	3850763.24	6.22E-01	2.34E-04	5.33E-04	6.14E-04	6.23E-01	6.49E-01	2.39E+00	4.86E-02	2.10E-02	3.11E+00	6.47E-01	2.73E-04	5.33E-04	6.14E-04	6.49E-01
6043	479293.61	3850720.59	6.40E-01	2.36E-04	5.31E-04	6.08E-04	6.42E-01	6.68E-01	2.41E+00	4.84E-02	2.08E-02	3.15E+00	6.67E-01	2.76E-04	5.31E-04	6.08E-04	6.68E-01
6044	479205.76	3850677.95	6.62E-01	2.43E-04	5.32E-04	6.04E-04	6.64E-01	6.91E-01	2.49E+00	4.85E-02	2.06E-02	3.25E+00	6.90E-01	2.85E-04	5.32E-04	6.04E-04	6.91E-01
6045	479117.9	3850635.3	6.67E-01	2.47E-04	5.36E-04	6.08E-04	6.68E-01	6.96E-01	2.53E+00	4.88E-02	2.08E-02	3.29E+00	6.95E-01	2.89E-04	5.36E-04	6.08E-04	6.96E-01
6046	479030.05	3850592.65	6.69E-01	2.49E-04	5.35E-04	6.13E-04	6.70E-01	6.98E-01	2.55E+00	4.88E-02	2.10E-02	3.31E+00	6.96E-01	2.92E-04	5.35E-04	6.13E-04	6.98E-01
6047	478942.19	3850550	6.64E-01	2.46E-04	5.29E-04	6.12E-04	6.65E-01	6.93E-01	2.51E+00	4.83E-02	2.09E-02	3.27E+00	6.91E-01	2.88E-04	5.29E-04	6.12E-04	6.93E-01
6048	478854.34	3850507.36	6.28E-01	2.34E-04	5.22E-04	6.02E-04	6.29E-01	6.55E-01	2.39E+00	4.76E-02	2.06E-02	3.11E+00	6.54E-01	2.74E-04	5.22E-04	6.02E-04	6.55E-01
6049	478766.49	3850464.71	6.09E-01	2.31E-04	5.18E-04	5.89E-04	6.10E-01	6.36E-01	2.36E+00	4.72E-02	2.02E-02	3.06E+00	6.34E-01	2.70E-04	5.18E-04	5.89E-04	6.36E-01
6050	478678.63	3850422.06	6.03E-01	2.26E-04	5.12E-04	5.76E-04	6.04E-01	6.29E-01	2.31E+00	4.67E-02	1.97E-02	3.00E+00	6.28E-01	2.64E-04	5.12E-04	5.76E-04	6.29E-01
6051	478590.78	3850379.41	6.03E-01	2.26E-04	5.02E-04	5.59E-04	6.05E-01	6.29E-01	2.31E+00	4.58E-02	1.91E-02	3.00E+00	6.28E-01	2.64E-04	5.02E-04	5.59E-04	6.30E-01
6052	478502.93	3850336.77	5.98E-01	2.25E-04	4.95E-04	5.44E-04	5.99E-01	6.24E-01	2.30E+00	4.52E-02	1.86E-02	2.98E+00	6.23E-01	2.63E-04	4.95E-04	5.44E-04	6.24E-01
6053	478415.07	3850294.12	6.02E-01	2.19E-04	4.92E-04	5.30E-04	6.03E-01	6.28E-01	2.23E+00	4.49E-02	1.81E-02	2.92E+00	6.27E-01	2.56E-04	4.92E-04	5.30E-04	6.28E-01
6054	478327.22	3850251.47	6.19E-01	2.15E-04	4.88E-04	5.19E-04	6.21E-01	6.46E-01	2.20E+00	4.45E-02	1.77E-02	2.90E+00	6.45E-01	2.51E-04	4.88E-04	5.19E-04	6.46E-01
6055	478239.36	3850208.82	6.38E-01	2.13E-04	4.85E-04	5.11E-04	6.39E-01	6.66E-01	2.18E+00	4.42E-02	1.75E-02	2.91E+00	6.64E-01	2.50E-04	4.85E-04	5.11E-04	6.66E-01
6056	478151.51	3850166.18	6.54E-01	2.14E-04	4.82E-04	5.10E-04	6.55E-01	6.83E-01	2.19E+00	4.39E-02	1.75E-02	2.93E+00	6.81E-01	2.51E-04	4.82E-04	5.10E-04	6.82E-01
6057	478063.66	3850123.53	6.75E-01	2.12E-04	4.79E-04	5.10E-04	6.76E-01	7.04E-01	2.17E+00	4.37E-02	1.74E-02	2.93E+00	7.03E-01	2.48E-04	4.79E-04	5.10E-04	7.04E-01
6058	477975.8	3850080.88	6.94E-01	2.25E-04	4.78E-04	5.16E-04	6.95E-01	7.24E-01	2.30E+00	4.36E-02	1.77E-02	3.09E+00	7.23E-01	2.64E-04	4.78E-04	5.16E-04	7.24E-01
6059	477887.95	3850038.23	6.99E-01	2.22E-04	4.75E-04	5.22E-04	7.00E-01	7.29E-01	2.27E+00	4.33E-02	1.79E-02	3.06E+00	7.27E-01	2.60E-04	4.75E-04	5.22E-04	7.29E-01
6060	477800.1	3849995.59	6.90E-01	2.23E-04	4.73E-04	5.29E-04	6.92E-01	7.20E-01	2.28E+00	4.32E-02	1.81E-02	3.06E+00	7.19E-01	2.61E-04	4.73E-04	5.29E-04	7.20E-01
6061	477712.24	3849952.94	6.65E-01	2.21E-04	4.70E-04	5.46E-04	6.66E-01	6.94E-01	2.26E+00	4.29E-02	1.87E-02	3.01E+00	6.92E-01	2.59E-04	4.70E-04	5.46E-04	6.93E-01
6062	477624.39	3849910.29	6.50E-01	2.21E-04	4.68E-04	5.61E-04	6.51E-01	6.78E-01	2.26E+00	4.26E-02	1.92E-02	3.00E+00	6.76E-01	2.59E-04	4.68E-04	5.61E-04	6.78E-01
6063	477536.54	3849867.64	6.36E-01	2.22E-04	4.65E-04	5.73E-04	6.37E-01	6.64E-01	2.27E+00	4.24E-02	1.96E-02	3.00E+00	6.62E-01	2.60E-04	4.65E-04	5.73E-04	6.64E-01
6064	477448.68	3849825	6.18E-01	2.21E-04	4.62E-04	5.78E-04	6.19E-01	6.45E-01	2.26E+00	4.21E-02	1.98E-02	2.97E+00	6.44E-01	2.59E-04	4.62E-04	5.78E-04	6.45E-01
6065	477360.83	3849782.35	5.93E-01	2.17E-04	4.59E-04	5.74E-04	5.94E-01	6.18E-01	2.22E+00	4.19E-02	1.96E-02	2.90E+00	6.17E-01	2.54E-04	4.59E-04	5.74E-04	6.18E-01
6066	477272.97	3849739.7	5.70E-01	2.15E-04	4.56E-04	5.67E-04	5.71E-01	5.95E-01	2.20E+00	4.16E-02	1.94E-02	2.86E+00	5.93E-01	2.52E-04	4.56E-04	5.67E-04	5.95E-01
6067	477185.12	3849697.05	5.50E-01	2.13E-04	4.54E-04	5.60E-04	5.51E-01	5.74E-01	2.18E+00	4.14E-02	1.91E-02	2.81E+00	5.72E-01	2.50E-04	4.54E-04	5.60E-04	5.74E-01
6068	477097.27	3849654.41	5.46E-01	2.04E-04	4.50E-04	5.53E-04	5.47E-01	5.70E-01	2.08E+00	4.11E-02	1.89E-02	2.71E+00	5.69E-01	2.39E-04	4.50E-04	5.53E-04	5.70E-01
6069	477009.41	3849611.76	5.46E-01	2.03E-04	4.47E-04	5.46E-04	5.47E-01	5.69E-01	2.08E+00	4.07E-02	1.87E-02	2.70E+00	5.68E-01	2.38E-04	4.47E-04	5.46E-04	5.70E-01
6070	476841.49	3849530.08	5.47E-01	1.96E-04	4.41E-04	5.40E-04	5.48E-01	5.71E-01	2.00E+00	4.02E-02	1.85E-02	2.63E+00	5.70E-01	2.29E-04	4.41E-04	5.40E-04	5.71E-01
6071	476761.41	3849491.05	5.36E-01	1.84E-04	4.39E-04	5.41E-04	5.38E-01	5.60E-01	1.88E+00	4.00E-02	1.85E-02	2.50E+00	5.59E-01	2.16E-04	4.39E-04	5.41E-04	5.60E-01
6072	476681.34	3849452.02	5.34E-01	1.69E-04	4.36E-04	5.39E-04	5.35E-01	5.57E-01	1.72E+00	3.98E-02	1.84E-02	2.34E+00	5.56E-01	1.97E-04	4.36E-04	5.39E-04	5.57E-01
6073	476601.26	3849412.99	5.26E-01	1.59E-04	4.33E-04	5.37E-04	5.27E-01	5.49E-01	1.62E+00	3.95E-02	1.84E-02	2.23E+00	5.48E-01	1.86E-04	4.33E-04	5.37E-04	5.49E-01
6074	476456.32	3849353.67	5.01E-01	1.30E-04	4.27E-04	5.35E-04	5.02E-01	5.23E-01	1.33E+00	3.90E-02	1.83E-02	1.91E+00	5.22E-01	1.52E-04	4.27E-04	5.35E-04	5.23E-01
6075	476305.43	3849318.83	4.70E-01	1.20E-04	4.24E-04	5.33E-04	4.71E-01	4.90E-01	1.23E+00	3.87E-02	1.82E-02	1.77E+00	4.89E-01	1.40E-04	4.24E-04	5.33E-04	4.90E-01
6076	476129.36	3849289.99	4.78E-01	1.20E-04	4.21E-04	5.44E-04	4.79E-01	4.99E-01	1.23E+00	3.84E-02	1.86E-02	1.79E+00	4.98E-01	1.41E-04	4.21E-04	5.44E-04	4.99E-01
6077	476039.31	3849275.68	4.74E-01	1.14E-04	4.19E-04	5.51E-04	4.75E-01	4.95E-01	1.16E+00	3.82E-02	1.88E-02	1.71E+00	4.94E-01	1.33E-04	4.19E-04	5.51E-04	4.95E-01
6078	475949.26	3849261.38	4.40E-01	1.14E-04	4.16E-04	5.49E-04	4.41E-01	4.59E-01	1.16E+00	3.79E-02	1.88E-02	1.68E+00	4.58E-01	1.33E-04	4.16E-04	5.49E-04	4.59E-01
6079	475859.21	3849247.08	4.32E-01	1.11E-04	4.14E-04	5.53E-04	4.33E-01	4.50E-01	1.13E+00	3.77E-02	1.89E-02	1.64E+00	4.50E-01	1.29E-04	4.14E-04	5.53E-04	4.51E-01
6080	475769.16	3849232.77	4.33E-01	1.02E-04	4.12E-04	5.47E-04	4.34E-01	4.52E-01	1.05E+00	3.75E-02	1.87E-02	1.56E+00	4.51E-01	1.20E-04	4.12E-04	5.47E-04	4.52E-01
6081	475585.22	3849219.27	4.17E-01	9.11E-05	4.03E-04	5.35E-04	4.18E-01	4.35E-01	9.31E-01	3.68E-02	1.83E-02	1.42E+00	4.34E-01	1.07E-04	4.03E-04	5.35E-04	4.35E-01
6082	475444.49	3849150.35	4.27E-01	9.86E-05	4.03E-04	5.20E-04	4.28E-01	4.45E-01	1.01E+00	3.67E-02	1.78E-02	1.51E+00	4.44E-01	1.15E-04	4.03E-04	5.20E-04	4.45E-01
6083	475334.17	3849118.71	4.21E-01	9.83E-05	4.03E-04	5.11E-04	4.22E-01	4.39E-01	1.00E+00	3.67E-02	1.75E-02	1.50E+00	4.38E-01	1.15E-04	4.03E-04	5.11E-04	4.39E-01
6084	475230.47	3849060.56	4.15E-01	9.69E-05	4.01E-04	5.05E-04	4.16E-01	4.33E-01	9.90E-01	3.66E-02	1.73E-02	1.48E+00	4.32E-01	1.13E-04	4.01E-04	5.05E-04	4.33E-01
6085	475110.86	3848960.97	4.01E-01	9.34E-05	3.96E-04	5.00E-04	4.02E-01	4.19E-01	9.54E-01	3.61E-02	1.71E-02	1.43E+00	4.18E-01	1.09E-04	3.96E-04	5.00E-04	4.19E-01
6086	475037.79	3848896.28	3.96E-01	8.98E-05	3.93E-04	4.96E-04	3.97E-01	4.13E-01	9.17E-01	3.58E-02	1.70E-02	1.38E+00	4.12E-01	1.05E-04	3.93E-04	4.96E-04	4.13E-01
6087	474964.72	3848831.59	3.88E-01	8.64E-05	3.90E-04	4.93E-04	3.89E-01	4.04E-01	8.83E-01	3.56E-02	1.69E-02	1.34E+00	4.04E-01	1.01E-04	3.90E-04	4.93E-04	4.05E-01
6088	474891.65	3848766.9	3.79E-01	8.51E-05	3.87E-04	4.90E-04	3.80E-01	3.96E-01	8.70E-01	3.53E-02	1.68E-02	1.32E+00	3.95E-01	9.96E-05	3.87E-04	4.90E-04	3.96E-01
6089	474818.58	3848702.21	3.77E-01	8.48E-05	3.85E-04	4.87E-04	3.78E-01	3.93E-01	8.66E-01	3.51E-02	1.66E-02	1.31E+00	3.92E-01	9.92E-05	3.85E-04	4.87E-04	3.93E-01
6090	474745.51	3848637.53	3.79E-01	8.82E-05	3.84E-04	4.84E-04	3.80E-01	3.95E-01	9.01E-01	3.50E-02	1.66E-02	1.35E+00	3.95E-01	1.03E-04	3.84E-04	4.84E-04	3.96E-01
6091	474672.44	3848572.84	3.81E-01	8.90E-05	3.82E-04	4.82E-04	3.82E-01	3.98E-01	9.09E-01	3.48E-02	1.65E-02	1.36E+00	3.97E-01	1.04E-04	3.82E-04	4.82E-04	3.98E-01
6092	474599.37	3848508.15	3.75E-01	8.66E-05	3.80E-04	4.79E-04	3.76E-01	3.92E-01	8.85E-01	3.46E-02	1.64E-02	1.33E+00	3.91E-01	1.01E-04	3.80E-04	4.79E-04	3.92E-01
6093	474526.3	3848443.46	3.64E-01	8.57E-05	3.78E-04	4.77E-04	3.65E-01	3.80E-01	8.75E-01	3.44E-02	1.63E-02	1.31E+00	3.79E-01	1.00E-04	3.78E-04	4.77E-04	3.80E-01
6094	CONCUNIT	ug/m^3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6095	DEPUNIT	g/m^2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

			CO				2028 Unmitigated					2028 Mitigated					2033 Unmitigated				
			1 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/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	14.8119	3.28211	54.471	23.70732		1.13E+00	3.50E+01	6.02E+00	1.36E+00	4.35E+01	1.10E+00	1.48E-04	6.02E-01	2.65E-01	1.96E+00	1.23E+00	3.50E+01	6.02E+00	1.36E+00	4.36E+01
2	486023.61	3854936.51	13.5625	3.25955	74.265	22.99362		1.03E+00	3.48E+01	8.21E+00	1.31E+00	4.53E+01	1.00E+00	1.47E-04	8.21E-01	2.57E-01	2.08E+00	1.13E+00	3.48E+01	8.21E+00	1.31E+00	4.54E+01
3	486073.61	3854936.51	12.348	3.24284	95.916	22.90679		9.41E-01	3.46E+01	1.06E+01	1.31E+00	4.75E+01	9.14E-01	1.46E-04	1.06E+00	2.56E-01	2.23E+00	1.03E+00	3.46E+01	1.06E+01	1.31E+00	4.75E+01
4	486123.61	3854936.51	10.1187	3.23041	121.15	23.69259		7.71E-01	3.45E+01	1.34E+01	1.35E+00	5.00E+01	7.49E-01	1.46E-04	1.34E+00	2.65E-01	2.35E+00	8.40E-01	3.45E+01	1.34E+01	1.35E+00	5.01E+01
5	486173.61	3854936.51	9.90238	3.22662	141.46	24.05303		7.55E-01	3.44E+01	1.56E+01	1.38E+00	5.22E+01	7.33E-01	1.45E-04	1.56E+00	2.69E-01	2.57E+00	8.22E-01	3.44E+01	1.56E+01	1.38E+00	5.23E+01
6	486223.61	3854936.51	9.88653	3.22745	160.48	24.07244		7.54E-01	3.44E+01	1.77E+01	1.38E+00	5.43E+01	7.32E-01	1.45E-04	1.77E+00	2.69E-01	2.78E+00	8.21E-01	3.44E+01	1.77E+01	1.38E+00	5.44E+01
7	486273.61	3854936.51	9.86944	3.23417	172.52	23.77287		7.52E-01	3.45E+01	1.91E+01	1.36E+00	5.57E+01	7.31E-01	1.46E-04	1.91E+00	2.66E-01	2.90E+00	8.19E-01	3.45E+01	1.91E+01	1.36E+00	5.58E+01
8	486323.61	3854936.51	9.83985	3.24486	176.29	23.21316		7.50E-01	3.46E+01	1.95E+01	1.33E+00	5.62E+01	7.28E-01	1.46E-04	1.95E+00	2.60E-01	2.94E+00	8.17E-01	3.46E+01	1.95E+01	1.33E+00	5.63E+01
9	485973.61	3854986.51	16.0422	3.29151	42.772	23.17536		1.22E+00	3.51E+01	4.73E+00	1.33E+00	4.24E+01	1.19E+00	1.48E-04	4.73E-01	2.59E-01	1.92E+00	1.33E+00	3.51E+01	4.73E+00	1.33E+00	4.25E+01
10	486023.61	3854986.51	15.0108	3.26776	59.95	24.11559		1.14E+00	3.49E+01	6.63E+00	1.38E+00	4.40E+01	1.11E+00	1.47E-04	6.63E-01	2.70E-01	2.04E+00	1.25E+00	3.49E+01	6.63E+00	1.38E+00	4.41E+01
11	486073.61	3854986.51	13.4807	3.24832	81.119	24.67629		1.03E+00	3.47E+01	8.97E+00	1.41E+00	4.61E+01	9.98E-01	1.46E-04	8.97E-01	2.76E-01	2.17E+00	1.12E+00	3.47E+01	8.97E+00	1.41E+00	4.62E+01
12	486123.61	3854986.51	11.6684	3.23459	104.69	24.82926		8.89E-01	3.45E+01	1.16E+01	1.42E+00	4.84E+01	8.64E-01	1.46E-04	1.16E+00	2.78E-01	2.30E+00	9.69E-01	3.45E+01	1.16E+01	1.42E+00	4.85E+01
13	486173.61	3854986.51	9.9309	3.22816	127.15	24.58394		7.57E-01	3.44E+01	1.41E+01	1.41E+00	5.07E+01	7.35E-01	1.46E-04	1.41E+00	2.75E-01	2.42E+00	8.24E-01	3.45E+01	1.41E+01	1.41E+00	5.07E+01
14	486223.61	3854986.51	9.9025	3.22709	149.51	24.07492		7.55E-01	3.44E+01	1.65E+01	1.38E+00	5.31E+01	7.33E-01	1.45E-04	1.65E+00	2.70E-01	2.66E+00	8.22E-01	3.44E+01	1.65E+01	1.38E+00	5.32E+01
15	486273.61	3854986.51	9.88091	3.23161	167.5	23.30561		7.53E-01	3.45E+01	1.85E+01	1.33E+00	5.51E+01	7.32E-01	1.46E-04	1.85E+00	2.61E-01	2.84E+00	8.20E-01	3.45E+01	1.85E+01	1.33E+00	5.52E+01
16	486323.61	3854986.51	9.86362	3.24276	174.37	22.35671		7.52E-01	3.46E+01	1.93E+01	1.28E+00	5.59E+01	7.30E-01	1.46E-04	1.93E+00	2.50E-01	2.91E+00	8.19E-01	3.46E+01	1.93E+01	1.28E+00	5.60E+01
17	485973.61	3855036.51	17.4758	3.30213	32.365	25.02845		1.33E+00	3.52E+01	3.58E+00	1.43E+00	4.16E+01	1.29E+00	1.49E-04	3.58E-01	2.80E-01	1.93E+00	1.45E+00	3.52E+01	3.58E+00	1.43E+00	4.17E+01
18	486023.61	3855036.51	16.3175	3.2764	47.271	25.31218		1.24E+00	3.50E+01	5.23E+00	1.45E+00	4.29E+01	1.21E+00	1.48E-04	5.23E-01	2.83E-01	2.01E+00	1.35E+00	3.50E+01	5.23E+00	1.45E+00	4.30E+01
19	486073.61	3855036.51	14.6064	3.25449	66.898	25.25322		1.11E+00	3.47E+01	7.40E+00	1.44E+00	4.47E+01	1.08E+00	1.47E-04	7.40E-01	2.83E-01	2.10E+00	1.21E+00	3.47E+01	7.40E+00	1.44E+00	4.48E+01
20	486123.61	3855036.51	12.8888	3.23878	89.204	24.78813		9.82E-01	3.46E+01	9.86E+00	1.42E+00	4.68E+01	9.54E-01	1.46E-04	9.86E-01	2.77E-01	2.22E+00	1.07E+00	3.46E+01	9.86E+00	1.42E+00	4.69E+01
21	486173.61	3855036.51	11.1889	3.23007	111.75	23.99312		8.53E-01	3.45E+01	1.24E+01	1.37E+00	4.91E+01	8.28E-01	1.46E-04	1.24E+00	2.69E-01	2.33E+00	9.29E-01	3.45E+01	1.24E+01	1.37E+00	4.91E+01
22	486223.61	3855036.51	9.91569	3.22654	136.91	23.07653		7.56E-01	3.44E+01	1.51E+01	1.32E+00	5.16E+01	7.34E-01	1.45E-04	1.51E+00	2.58E-01	2.51E+00	8.23E-01	3.44E+01	1.51E+01	1.32E+00	5.17E+01
23	486273.61	3855036.51	9.90711	3.23105	155.41	22.19293		7.55E-01	3.45E+01	1.72E+01	1.27E+00	5.37E+01	7.33E-01	1.46E-04	1.72E+00	2.48E-01	2.70E+00	8.22E-01	3.45E+01	1.72E+01	1.27E+00	5.38E+01
24	486323.61	3855036.51	9.87986	3.23978	170.49	22.87737		7.53E-01	3.46E+01	1.88E+01	1.31E+00	5.55E+01	7.31E-01	1.46E-04	1.88E+00	2.56E-01	2.87E+00	8.20E-01	3.46E+01	1.88E+01	1.31E+00	5.56E+01
25	485973.61	3855086.51	18.7591	3.31278	31.289	25.61581		1.43E+00	3.54E+01	3.46E+00	1.46E+00	4.17E+01	1.39E+00	1.49E-04	3.46E-01	2.87E-01	2.02E+00	1.56E+00	3.54E+01	3.46E+00	1.46E+00	4.18E+01
26	486023.61	3855086.51	17.8305	3.28595	35.873	25.1627		1.36E+00	3.51E+01	3.97E+00	1.44E+00	4.18E+01	1.32E+00	1.48E-04	3.97E-01	2.82E-01	2.00E+00	1.48E+00	3.51E+01	3.97E+00	1.44E+00	4.20E+01
27	486073.61	3855086.51	16.0634	3.26207	52.943	24.54134		1.22E+00	3.48E+01	5.85E+00	1.40E+00	4.33E+01	1.19E+00	1.47E-04	5.85E-01	2.75E-01	2.05E+00	1.33E+00	3.48E+01	5.85E+00	1.40E+00	4.34E+01
28	486123.61	3855086.51	14.5844	3.24461	72.45	23.55202		1.11E+00	3.46E+01	8.01E+00	1.35E+00	4.51E+01	1.08E+00	1.46E-04	8.01E-01	2.64E-01	2.14E+00	1.21E+00	3.46E+01	8.01E+00	1.35E+00	4.52E+01
29	486173.61	3855086.51	12.3209	3.23234	96.537	23.00393		9.39E-01	3.45E+01	1.07E+01	1.32E+00	4.74E+01	9.12E-01	1.46E-04	1.07E+00	2.58E-01	2.24E+00	1.02E+00	3.45E+01	1.07E+01	1.32E+00	4.75E+01
30	486223.61	3855086.51	10.1247	3.22766	120.36	23.7463		7.72E-01	3.44E+01	1.33E+01	1.36E+00	4.99E+01	7.50E-01	1.45E-04	1.33E+00	2.66E-01	2.35E+00	8.41E-01	3.44E+01	1.33E+01	1.36E+00	5.00E+01
31	485973.61	3855136.51	20.4517	3.32475	38.079	24.76752		1.56E+00	3.55E+01	4.21E+00	1.42E+00	4.27E+01	1.51E+00	1.50E-04	4.21E-01	2.77E-01	2.21E+00	1.70E+00	3.55E+01	4.21E+00	1.42E+00	4.28E+01
32	486023.61	3855136.51	19.2389	3.29595	28.161	23.83647		1.47E+00	3.52E+01	3.11E+00	1.36E+00	4.11E+01	1.42E+00	1.49E-04	3.11E-01	2.67E-01	2.00E+00	1.60E+00	3.52E+01	3.11E+00	1.36E+00	4.12E+01
33	486073.61	3855136.51	17.7495	3.27075	40.215	23.53277		1.35E+00	3.49E+01	4.45E+00	1.35E+00	4.20E+01	1.31E+00	1.47E-04	4.45E-01	2.63E-01	2.02E+00	1.47E+00	3.49E+01	4.45E+00	1.35E+00	4.22E+01
34	486123.61	3855136.51	16.086	3.25067	57.703	24.36836		1.23E+00	3.47E+01	6.38E+00	1.39E+00	4.37E+01	1.19E+00	1.47E-04	6.38E-01	2.73E-01	2.10E+00	1.34E+00	3.47E+01	6.38E+00	1.39E+00	4.38E+01
35	486173.61	3855136.51	13.9264	3.23636	79.456	24.90105		1.06E+00	3.45E+01	8.78E+00	1.42E+00	4.58E+01	1.03E+00	1.46E-04	8.78E-01	2.79E-01	2.19E+00	1.16E+00	3.45E+01	8.78E+00	1.42E+00	4.59E+01
36	486223.61	3855136.51	11.5355	3.22889	103.54	25.09133		8.79E-01	3.45E+01	1.14E+01	1.43E+00	4.82E+01	8.54E-01	1.46E-04	1.14E+00	2.81E-01	2.28E+00	9.58E-01	3.45E+01	1.14E+01	1.43E+00	4.83E+01
37	485973.61	3855186.51	22.1856	3.33692	44.653	23.8252		1.69E+00	3.56E+01	4.94E+00	1.36E+00	4.36E+01	1.64E+00	1.50E-04	4.94E-01	2.67E-01	2.40E+00	1.84E+00	3.56E+01	4.94E+00	1.36E+00	4.38E+01
38	486023.61	3855186.51	21.0088	3.30704	34.558	24.70472		1.60E+00	3.53E+01	3.82E+00	1.41E+00	4.21E+01	1.56E+00	1.49E-04	3.82E-01	2.77E-01	2.21E+00	1.74E+00	3.53E+01	3.82E+00	1.41E+00	4.23E+01
39	486073.61	3855186.51	19.2682	3.27982	29.887	25.34864		1.47E+00	3.50E+01	3.30E+00	1.45E+00	4.12E+01	1.43E+00	1.48E-04	3.30E-01	2.84E-01	2.04E+00	1.60E+00	3.50E+01	3.30E+00	1.45E+00	4.14E+01
40	486123.61	3855186.51	17.3138	3.25708	45.38	25.63245		1.32E+00	3.48E+01	5.02E+00	1.47E+00	4.26E+01	1.28E+00	1.47E-04	5.02E-01	2.87E-01	2.07E+00	1.44E+00	3.48E+01	5.02E+00	1.47E+00	4.27E+01
41	486173.61	3855186.51	15.3038	3.24054	64.488	25.52133		1.17E+00	3.46E+01	7.13E+00	1.46E+00	4.43E+01	1.13E+00	1.46E-04	7.13E-01	2.86E-01	2.13E+00	1.27E+00	3.46E+01	7.13E+00	1.46E+00	4.44E+01
42	486223.61	3855186.51	12.9078	3.23067	87.228	25.14216		9.84E-01	3.45E+01	9.64E+00	1.44E+00	4.65E+01	9.56E-01	1.46E-04	9.64E-01	2.81E-01	2.20E+00	1.07E+00	3.45E+01	9.64E+00	1.44E+00	4.66E+01
43	486273.61	3855186.51	10.6246	3.22767	112.67	24.55709		8.10E-01	3.44E+01	1.25E+01	1.40E+00	4.91E+01	7.87E-01	1.45E-04	1.25E+00	2.75E-01	2.31E+00	8.82E-01	3.44E+01	1.25E+01	1.40E+00	4.92E+01
44	486323.61	3855186.51	10.6345	3.23386	131.19	23.61202		8.11E-01	3.45E+01	1.45E+01	1.35E+00	5.12E+01	7.87E-01	1.46E-04	1.45E+00	2.64E-01	2.50E+00	8.83E-01	3.45E+01	1.45E+01	1.35E+00	5.12E+01
45	485973.61	3855236.51	23.8646	3.34965	50.746	25.52858		1.82E+00	3.57E+01	5.61E+00	1.46E+00	4.46E+01	1.77E+00	1.51E-04	5.61E-01	2.86E-01	2.61E+00	1.98E+00	3.57E+01	5.61E+00	1.46E+00	4.48E+01
46	486023.61	3855236.51	22.2891	3.31784	41.999	25.81847		1.70E+00	3.54E+01	4.64E+00	1.48E+00	4.32E+01	1.65E+00	1.50E-04	4.64E-01	2.89E-01	2.40E+00	1.85E+00	3.54E+01	4.64E+00	1.48E+00	4.34E+01
47	486073.61	3855236.51	20.5055	3.28879	32.631	25.80774		1.56E+00	3.51E+01	3.61E+00	1.48E+00	4.17E+01	1.52E+00	1.48E-04	3.61E-01	2.89E-01	2.17E+00	1.70E+00	3.51E+01	3.61E+00	1.48E+00	4.19E+01
48	486123.61	3855236.51	18.8256	3.26458	34.144	25.41011		1.43E+00	3.48E+01	3.78E+00	1.45E+00	4.15E+01	1.39E+00	1.47E-04	3.78E-01	2.84E-01	2.06E+00	1.56E+00	3.48E+01	3.78E+00	1.45E+00	4.16E+01
49	486173.61	3855236.51	16.8431	3.24588	50.478	24.76726		1.28E+00	3.46E+01	5.58E+00	1.42E+00	4.29E+01	1.25E+00	1.46E-04	5.58E-01	2.77E-01	2.08E+00	1.40E+00	3.46E+01	5.58E+00	1.42E+00	4.30E+01
50	486223.61	3855236.51	14.3559	3.23324	71.401	23.97151		1.09E+00	3.45E+01	7.89E+00	1.37E+00	4.49E+01	1.06E+00	1.46E-04	7.89E-01	2.68E-01	2.12E+00	1.19E+00	3.45E+01	7.89E+00	1.37E+00	4.50E+01
51	486273.61	3855236.51	11.4052	3.22691	98.232	23.12779		8.69E-01	3.44E+01	1.09E+01	1.32E+00	4.75E+01	8.44E-01	1.45E-04	1.09E+00	2.59E-01	2.19E+00	9.47E-01	3.44E+01	1.09E+01	1.32E+00	4.76E+01
52	486323.61	3855236.51	11.4117	3.23187	115.17	21.80846		8.70E-01	3.45E+01	1.27E+01	1.25E+00	4.93E+01	8.45E-01	1.46E-04	1.27E+00	2.44E-01	2.36E+00	9.47E-01	3.45E+01	1.27E+01	1.25E+00	4.94E+01
53	485973.61	3855286.51	25.5082	3.36245	55.924	25.70382		1.94E+00	3.59E+01	6.18E+00	1.47E+00	4.55E+01	1.89E+00	1.52E-04	6.18E-01	2.88E-01	2.79E+00	2.12E+00	3.59E+01	6.18E+00	1.47E+00	4.57E+01
54	486023.61	3855286.51	23.7538	3.32928	48.972	25.37447		1.81E+00	3.55E+01	5.41E+00	1.45E+00	4.42E+01	1.76E+00	1.50E-04	5.41E-01	2.84E-01	2.58E+00	1.97E+00	3.55E+01	5.41E+00	1.45E+00	4.44E+01
55	486073.61	3855286.51	22.1365	3.29927	39.64	24.74051		1.69E+00	3.52E+01	4.38E+00	1.41E+00	4.27E+01	1.64E+00	1.49E-04	4.38E-01	2.77E-01	2.35E+00	1.84E+00	3.52E+01	4.38E+00	1.41E+00	4.28E+01
56	486123.61	3855286.51	20.213	3.27279	30.083	23.95808		1.54E+00	3.49E+01	3.33E+00	1.37E+00	4.12E+01	1.50E+00	1.48E-04	3.33E-01	2.68E-01	2.10E+00	1.68E+00	3.49E+01	3.33E+00	1.37E+00	4.13E+01
57	486173.61	3855286.51	18.1029	3.2513	39.089	23.00585		1.38E+00	3.47E+01	4.32E+00	1.32E+00	4.17E+01	1.34E+00	1.47E-04	4.32E-01	2.58E-01	2.03E+00	1.50E+00	3.47E+01	4.32E+00	1.32E+00	4.18E+01

58	486223.61	3855286.51	15.855	3.23674	56.789	21.90157	1.21E+00	3.45E+01	6.28E+00	1.25E+00	4.33E+01	1.17E+00	1.46E-04	6.28E-01	2.45E-01	2.05E+00	1.32E+00	3.45E+01	6.28E+00	1.25E+00	4.34E+01
59	486123.61	3855336.51	21.608	3.28154	37.677	21.62965	1.65E+00	3.50E+01	4.17E+00	1.24E+00	4.21E+01	1.60E+00	1.48E-04	4.17E-01	2.42E-01	2.26E+00	1.79E+00	3.50E+01	4.17E+00	1.24E+00	4.22E+01
60	486173.61	3855336.51	19.7542	3.25849	28.695	20.46581	1.51E+00	3.48E+01	3.17E+00	1.17E+00	4.06E+01	1.46E+00	1.47E-04	3.17E-01	2.29E-01	2.01E+00	1.64E+00	3.48E+01	3.17E+00	1.17E+00	4.08E+01
61	486223.61	3855336.51	17.3745	3.24092	43.908	19.3205	1.32E+00	3.46E+01	4.85E+00	1.10E+00	4.19E+01	1.29E+00	1.46E-04	4.85E-01	2.16E-01	1.99E+00	1.44E+00	3.46E+01	4.85E+00	1.10E+00	4.20E+01
62	486123.61	3855386.51	23.1577	3.2914	45.269	18.82395	1.77E+00	3.51E+01	5.00E+00	1.08E+00	4.30E+01	1.71E+00	1.48E-04	5.00E-01	2.11E-01	2.43E+00	1.92E+00	3.51E+01	5.00E+00	1.08E+00	4.31E+01
63	486173.61	3855386.51	21.3184	3.26618	34.806	17.7465	1.62E+00	3.49E+01	3.85E+00	1.01E+00	4.13E+01	1.58E+00	1.47E-04	3.85E-01	1.99E-01	2.16E+00	1.77E+00	3.49E+01	3.85E+00	1.01E+00	4.15E+01
64	486223.61	3855386.51	19.1325	3.24658	32.456	16.90773	1.46E+00	3.46E+01	3.59E+00	9.67E-01	4.07E+01	1.42E+00	1.46E-04	3.59E-01	1.89E-01	1.96E+00	1.59E+00	3.46E+01	3.59E+00	9.67E-01	4.08E+01
65	486533.18	3855443.15	14.3891	3.27538	144.13	15.04924	1.10E+00	3.50E+01	1.59E+01	8.61E-01	5.28E+01	1.07E+00	1.48E-04	1.59E+00	1.68E-01	2.83E+00	1.19E+00	3.50E+01	1.59E+01	8.61E-01	5.29E+01
66	486583.18	3855443.15	13.7253	3.29573	158.56	14.97755	1.05E+00	3.52E+01	1.75E+01	8.56E-01	5.46E+01	1.02E+00	1.49E-04	1.75E+00	1.68E-01	2.94E+00	1.14E+00	3.52E+01	1.75E+01	8.56E-01	5.47E+01
67	486633.18	3855443.15	13.0991	3.313	163.28	15.10435	9.98E-01	3.54E+01	1.81E+01	8.64E-01	5.53E+01	9.70E-01	1.49E-04	1.81E+00	1.69E-01	2.94E+00	1.09E+00	3.54E+01	1.81E+01	8.64E-01	5.54E+01
68	486683.18	3855443.15	12.8029	3.3238	154.69	15.05199	9.76E-01	3.55E+01	1.71E+01	8.61E-01	5.44E+01	9.48E-01	1.50E-04	1.71E+00	1.68E-01	2.83E+00	1.06E+00	3.55E+01	1.71E+01	8.61E-01	5.45E+01
69	486533.18	3855493.15	15.788	3.26998	130.39	15.21204	1.20E+00	3.49E+01	1.44E+01	8.70E-01	5.14E+01	1.17E+00	1.47E-04	1.44E+00	1.70E-01	2.78E+00	1.31E+00	3.49E+01	1.44E+01	8.70E-01	5.15E+01
70	486583.18	3855493.15	15.2144	3.29146	148.57	15.70287	1.16E+00	3.51E+01	1.64E+01	8.98E-01	5.36E+01	1.13E+00	1.48E-04	1.64E+00	1.76E-01	2.94E+00	1.26E+00	3.51E+01	1.64E+01	8.98E-01	5.37E+01
71	486633.18	3855493.15	14.5914	3.31131	159.18	16.41173	1.11E+00	3.53E+01	1.76E+01	9.38E-01	5.50E+01	1.08E+00	1.49E-04	1.76E+00	1.84E-01	3.02E+00	1.21E+00	3.53E+01	1.76E+01	9.38E-01	5.51E+01
72	486683.18	3855493.15	14.0233	3.3255	159.03	17.03511	1.07E+00	3.55E+01	1.76E+01	9.74E-01	5.51E+01	1.04E+00	1.50E-04	1.76E+00	1.91E-01	2.99E+00	1.16E+00	3.55E+01	1.76E+01	9.74E-01	5.52E+01
73	486533.18	3855543.15	17.1528	3.26425	113.37	18.35665	1.31E+00	3.48E+01	1.25E+01	1.05E+00	4.97E+01	1.27E+00	1.47E-04	1.25E+00	2.05E-01	2.73E+00	1.42E+00	3.48E+01	1.25E+01	1.05E+00	4.98E+01
74	486583.18	3855543.15	16.1263	3.28586	137.93	18.95206	1.23E+00	3.51E+01	1.52E+01	1.08E+00	5.26E+01	1.19E+00	1.48E-04	1.52E+00	2.12E-01	2.93E+00	1.34E+00	3.51E+01	1.52E+01	1.08E+00	5.27E+01
75	486633.18	3855543.15	15.585	3.30786	153.22	19.35785	1.19E+00	3.53E+01	1.69E+01	1.11E+00	5.45E+01	1.15E+00	1.49E-04	1.69E+00	2.17E-01	3.06E+00	1.29E+00	3.53E+01	1.69E+01	1.11E+00	5.46E+01
76	486683.18	3855543.15	14.613	3.32478	162.68	19.75543	1.11E+00	3.55E+01	1.80E+01	1.13E+00	5.57E+01	1.08E+00	1.50E-04	1.80E+00	2.21E-01	3.10E+00	1.21E+00	3.55E+01	1.80E+01	1.13E+00	5.58E+01
77	486533.18	3855593.15	18.1648	3.25821	97.054	20.71279	1.38E+00	3.48E+01	1.07E+01	1.18E+00	4.81E+01	1.34E+00	1.47E-04	1.07E+00	2.32E-01	2.65E+00	1.51E+00	3.48E+01	1.07E+01	1.18E+00	4.82E+01
78	486583.18	3855593.15	17.2465	3.27993	122.43	20.92573	1.31E+00	3.50E+01	1.35E+01	1.20E+00	5.10E+01	1.28E+00	1.48E-04	1.35E+00	2.34E-01	2.86E+00	1.43E+00	3.50E+01	1.35E+01	1.20E+00	5.12E+01
79	486633.18	3855593.15	16.492	3.30318	143.4	21.01357	1.26E+00	3.53E+01	1.59E+01	1.20E+00	5.36E+01	1.22E+00	1.49E-04	1.59E+00	2.35E-01	3.04E+00	1.37E+00	3.53E+01	1.59E+01	1.20E+00	5.37E+01
80	486683.18	3855593.15	15.9875	3.32395	154.89	20.96273	1.22E+00	3.55E+01	1.71E+01	1.20E+00	5.50E+01	1.18E+00	1.50E-04	1.71E+00	2.35E-01	3.13E+00	1.33E+00	3.55E+01	1.71E+01	1.20E+00	5.51E+01
81	486533.18	3855643.15	19.2754	3.25207	80.085	21.47772	1.47E+00	3.47E+01	8.85E+00	1.23E+00	4.63E+01	1.43E+00	1.47E-04	8.85E-01	2.40E-01	2.55E+00	1.60E+00	3.47E+01	8.85E+00	1.23E+00	4.64E+01
82	486583.18	3855643.15	18.3871	3.27363	105.26	21.3179	1.40E+00	3.49E+01	1.16E+01	1.22E+00	4.92E+01	1.36E+00	1.48E-04	1.16E+00	2.39E-01	2.76E+00	1.53E+00	3.49E+01	1.16E+01	1.22E+00	4.93E+01
83	486633.18	3855643.15	17.547	3.2978	129.3	21.08775	1.34E+00	3.52E+01	1.43E+01	1.21E+00	5.20E+01	1.30E+00	1.49E-04	1.43E+00	2.36E-01	2.96E+00	1.46E+00	3.52E+01	1.43E+01	1.21E+00	5.22E+01
84	486683.18	3855643.15	16.8686	3.32082	147.08	20.76565	1.29E+00	3.54E+01	1.63E+01	1.19E+00	5.42E+01	1.25E+00	1.50E-04	1.63E+00	2.32E-01	3.11E+00	1.40E+00	3.54E+01	1.63E+01	1.19E+00	5.43E+01
85	486533.18	3855693.15	20.7164	3.24663	62.815	20.59692	1.58E+00	3.46E+01	6.94E+00	1.18E+00	4.43E+01	1.53E+00	1.46E-04	6.94E-01	2.31E-01	2.46E+00	1.72E+00	3.46E+01	6.94E+00	1.18E+00	4.45E+01
86	486583.18	3855693.15	19.3171	3.26644	88.936	20.29807	1.47E+00	3.49E+01	9.83E+00	1.16E+00	4.73E+01	1.43E+00	1.47E-04	9.83E-01	2.27E-01	2.64E+00	1.60E+00	3.49E+01	9.83E+00	1.16E+00	4.75E+01
87	486633.18	3855693.15	17.9364	3.29045	117.62	19.95252	1.37E+00	3.51E+01	1.30E+01	1.14E+00	5.06E+01	1.33E+00	1.48E-04	1.30E+00	2.23E-01	2.85E+00	1.49E+00	3.51E+01	1.30E+01	1.14E+00	5.07E+01
88	486683.18	3855693.15	17.7461	3.31637	135.98	20.09832	1.35E+00	3.54E+01	1.50E+01	1.15E+00	5.29E+01	1.31E+00	1.49E-04	1.50E+00	2.25E-01	3.04E+00	1.47E+00	3.54E+01	1.50E+01	1.15E+00	5.30E+01
89	486733.18	3855693.15	17.979	3.33857	142.68	20.0772	1.37E+00	3.56E+01	1.58E+01	1.15E+00	5.39E+01	1.33E+00	1.50E-04	1.58E+00	2.25E-01	3.13E+00	1.49E+00	3.56E+01	1.58E+01	1.15E+00	5.40E+01
90	486783.18	3855693.15	18.39	3.3525	136.96	19.93376	1.40E+00	3.58E+01	1.51E+01	1.14E+00	5.35E+01	1.36E+00	1.51E-04	1.51E+00	2.23E-01	3.10E+00	1.53E+00	3.58E+01	1.51E+01	1.14E+00	5.36E+01
91	486533.18	3855743.15	23.3235	3.24121	48.561	21.186	1.78E+00	3.46E+01	5.37E+00	1.21E+00	4.29E+01	1.73E+00	1.46E-04	5.37E-01	2.37E-01	2.50E+00	1.94E+00	3.46E+01	5.37E+00	1.21E+00	4.31E+01
92	486583.18	3855743.15	21.3347	3.25895	73.875	21.57045	1.63E+00	3.48E+01	8.17E+00	1.23E+00	4.58E+01	1.58E+00	1.47E-04	8.17E-01	2.41E-01	2.64E+00	1.77E+00	3.48E+01	8.17E+00	1.23E+00	4.60E+01
93	486633.18	3855743.15	19.949	3.28331	100.37	21.6879	1.52E+00	3.50E+01	1.11E+01	1.24E+00	4.89E+01	1.48E+00	1.48E-04	1.11E+00	2.43E-01	2.83E+00	1.66E+00	3.50E+01	1.11E+01	1.24E+00	4.90E+01
94	486683.18	3855743.15	19.3761	3.31109	119.35	21.45753	1.48E+00	3.53E+01	1.32E+01	1.23E+00	5.12E+01	1.43E+00	1.49E-04	1.32E+00	2.40E-01	2.99E+00	1.61E+00	3.53E+01	1.32E+01	1.23E+00	5.14E+01
95	486733.18	3855743.15	18.7416	3.33573	134.99	21.29125	1.43E+00	3.56E+01	1.49E+01	1.22E+00	5.32E+01	1.39E+00	1.50E-04	1.49E+00	2.38E-01	3.12E+00	1.56E+00	3.56E+01	1.49E+01	1.22E+00	5.33E+01
96	486783.18	3855743.15	19.4162	3.35449	132.87	20.77927	1.48E+00	3.58E+01	1.47E+01	1.19E+00	5.32E+01	1.44E+00	1.51E-04	1.47E+00	2.33E-01	3.14E+00	1.61E+00	3.58E+01	1.47E+01	1.19E+00	5.33E+01
97	486533.18	3855793.15	25.7839	4.62919	36.085	21.8724	1.97E+00	4.94E+01	3.99E+00	1.25E+00	5.66E+01	1.91E+00	2.09E-04	3.99E-01	2.45E-01	2.55E+00	2.14E+00	4.94E+01	3.99E+00	1.25E+00	5.68E+01
98	486583.18	3855793.15	23.2377	3.25093	60.131	22.19867	1.77E+00	3.47E+01	6.65E+00	1.27E+00	4.44E+01	1.72E+00	1.47E-04	6.65E-01	2.48E-01	2.63E+00	1.93E+00	3.47E+01	6.65E+00	1.27E+00	4.45E+01
99	486633.18	3855793.15	22.7552	3.27629	80.626	21.76329	1.73E+00	3.50E+01	8.91E+00	1.24E+00	4.69E+01	1.68E+00	1.48E-04	8.91E-01	2.44E-01	2.82E+00	1.89E+00	3.50E+01	8.91E+00	1.24E+00	4.70E+01
100	486683.18	3855793.15	22.2988	3.30519	100.22	21.27397	1.70E+00	3.53E+01	1.11E+01	1.22E+00	4.93E+01	1.65E+00	1.49E-04	1.11E+00	2.38E-01	3.00E+00	1.85E+00	3.53E+01	1.11E+01	1.22E+00	4.94E+01
101	486733.18	3855793.15	21.6201	3.3325	117.63	20.83788	1.65E+00	3.56E+01	1.30E+01	1.19E+00	5.14E+01	1.60E+00	1.50E-04	1.30E+00	2.33E-01	3.13E+00	1.79E+00	3.56E+01	1.30E+01	1.19E+00	5.16E+01
102	486783.18	3855793.15	21.0206	3.35439	126.64	20.33646	1.60E+00	3.58E+01	1.40E+01	1.16E+00	5.26E+01	1.56E+00	1.51E-04	1.40E+00	2.28E-01	3.18E+00	1.75E+00	3.58E+01	1.40E+01	1.16E+00	5.27E+01
103	486533.18	3855843.15	27.2668	4.64501	27.663	21.2278	2.08E+00	4.96E+01	3.06E+00	1.21E+00	5.59E+01	2.02E+00	2.09E-04	3.06E-01	2.38E-01	2.56E+00	2.26E+00	4.96E+01	3.06E+00	1.21E+00	5.61E+01
104	486583.18	3855843.15	25.2533	3.24424	45.218	21.14005	1.92E+00	3.46E+01	5.00E+00	1.21E+00	4.28E+01	1.87E+00	1.46E-04	5.00E-01	2.37E-01	2.61E+00	2.10E+00	3.46E+01	5.00E+00	1.21E+00	4.29E+01
105	486633.18	3855843.15	24.8806	3.2686	63.47	20.52646	1.90E+00	3.49E+01	7.02E+00	1.17E+00	4.50E+01	1.84E+00	1.47E-04	7.02E-01	2.30E-01	2.77E+00	2.07E+00	3.49E+01	7.02E+00	1.17E+00	4.51E+01
106	486683.18	3855843.15	24.4862	3.29782	82.909	19.90377	1.87E+00	3.52E+01	9.17E+00	1.14E+00	4.74E+01	1.81E+00	1.49E-04	9.17E-01	2.23E-01	2.95E+00	2.03E+00	3.52E+01	9.17E+00	1.14E+00	4.75E+01
107	486733.18	3855843.15	24.0329	4.13426	100.77	19.28946	1.83E+00	4.41E+01	1.11E+01	1.10E+00	5.82E+01	1.78E+00	1.86E-04	1.11E+00	2.16E-01	3.11E+00	2.00E+00	4.41E+01	1.11E+01	1.10E+00	5.84E+01
108	486783.18	3855843.15	23.4531	3.97751	114.47	18.72026	1.79E+00	4.24E+01	1.27E+01	1.07E+00	5.80E+01	1.74E+00	1.79E-04	1.27E+00	2.10E-01	3.21E+00	1.95E+00	4.24E+01	1.27E+01	1.07E+00	5.81E+01
109	486533.18	3855893.15	27.7101	4.65827	38.211	19.59687	2.11E+00	4.97E+01	4.22E+00	1.12E+00	5.72E+01	2.05E+00	2.10E-04	4.22E-01	2.19E-01	2.69E+00	2.30E+00	4.97E+01	4.22E+00	1.12E+00	5.74E+01
110	486583.18	3855893.15	27.2323	4.54559	32.219	18.96819	2.08E+00	4.85E+01	3.56E+00	1.08E+00	5.52E+01	2.02E+00	2.05E-04	3.56E-01	2.12E-01	2.58E+00	2.26E+00	4.85E+01	3.56E+00	1.08E+00	5.54E+01
111	486633.18	3855893.15	26.6763	4.42426	48.213	18.53643	2.03E+00	4.72E+01	5.33E+00	1.06E+00	5.56E+01	1.97E+00	1.99E-04	5.33E-01	2.08E-01	2.72E+00	2.21E+00	4.72E+01	5.33E+00	1.06E+00	5.58E+01
112	486683.18	3855893.15	26.2938	4.29557	66.306	18.2296	2.00E+00	4.58E+01	7.33E+00	1.04E+00	5.62E+01	1.95E+00	1.94E-04	7.33E-01	2.04E-01	2.88E+00	2.18E+00	4.58E+01	7.33E+00	1.04E+00	5.64E+01
113	486733.18	3855893.15	25.8793	4.15675	84.76	17.90553	1.97E+00	4.44E+01	9.37E+00	1.02E+00	5.67E+01	1.92E+00	1.87E-04	9.37E-01	2.00E-01	3.05E+00	2.15E+00	4.44E+01	9.37E+00	1.02E+00	5.69E+01
114	486783.18	3855893.15	25.5483	4.00312	99.153	17.51989	1.95E+00	4.27E+01	1.10E+01	1.00E+00	5.66E+01	1.89E+00	1.80E-04	1.10E+00	1.96E-01	3.18E+00	2.12E+00	4.27E+01	1.10E+01	1.00E+00	5.68E+01
115	486533.18	3855943.15	29.0833	4.67487	47.675	19.62997	2.22E+00	4.99E+01	5.27E+00	1.12E+00	5.85E+01	2.15E+00	2.11E-04	5.27E-01	2.20E-01	2.90E+00	2.41E+00	4.99E+01	5.27E+00	1.12E+00	5.87E+01
116	486583.18	3855943.15	29.1266	4.56482	33.009	19.21464	2.22E+00	4.87E+01	3.65E+00	1.10E+00	5.57E+01	2.16E+00	2.06E-04	3.65E-01	2.15E-01	2.74E+00	2.42E+00	4.87E+01	3.65E+00	1.10E+00	5.59E+01
117	486633.18	3855943.15	28.3453	4.44366	35.195	19.01386	2.16E+00	4.74E+01	3.89E+00	1.09E+00	5.46E+01	2.10E+00	2.00E-04	3.89E-01	2.13E-01	2.70E+00	2.35E+00	4.74E+01	3.89E+00	1.09E+00	5.48E+01
118	486683.18	3855943.15	28.1056	4.31666	50.294	18.62787	2.14E+00	4.61E+01	5.56E+00	1.07E+00	5.48E+01	2.08E+00	1.95E-04	5.56E-01	2.09E-01	2.85E+00	2.33E+00	4.61E+01	5.56E+00	1.07E+00	5.50E+01

119	486733.18	3855943.15	27.5082	4.17886	68.702	18.34782	2.10E+00	4.46E+01	7.60E+00	1.05E+00	5.53E+01	2.04E+00	1.88E-04	7.60E-01	2.05E-01	3.00E+00	2.28E+00	4.46E+01	7.60E+00	1.05E+00	5.55E+01
120	486783.18	3855943.15	27.247	4.02814	84.035	17.92149	2.08E+00	4.30E+01	9.29E+00	1.02E+00	5.54E+01	2.02E+00	1.82E-04	9.29E-01	2.01E-01	3.15E+00	2.26E+00	4.30E+01	9.29E+00	1.02E+00	5.56E+01
121	486533.18	3855993.15	31.0208	4.69293	55.13	19.94049	2.36E+00	5.01E+01	6.10E+00	1.14E+00	5.97E+01	2.30E+00	2.12E-04	6.10E-01	2.23E-01	3.13E+00	2.58E+00	5.01E+01	6.10E+00	1.14E+00	5.99E+01
122	486583.18	3855993.15	30.5809	4.58243	41.739	19.47028	2.33E+00	4.89E+01	4.61E+00	1.11E+00	5.70E+01	2.26E+00	2.07E-04	4.61E-01	2.18E-01	2.94E+00	2.54E+00	4.89E+01	4.61E+00	1.11E+00	5.72E+01
123	486633.18	3855993.15	30.0207	4.46297	28.957	19.03137	2.29E+00	4.76E+01	3.20E+00	1.09E+00	5.42E+01	2.22E+00	2.01E-04	3.20E-01	2.13E-01	2.76E+00	2.49E+00	4.76E+01	3.20E+00	1.09E+00	5.44E+01
124	486683.18	3855993.15	29.697	4.3369	37.21	18.51376	2.26E+00	4.63E+01	4.11E+00	1.06E+00	5.37E+01	2.20E+00	1.96E-04	4.11E-01	2.07E-01	2.82E+00	2.47E+00	4.63E+01	4.11E+00	1.06E+00	5.39E+01
125	486733.18	3855993.15	29.1231	4.20094	53.265	18.0791	2.22E+00	4.48E+01	5.89E+00	1.03E+00	5.40E+01	2.16E+00	1.89E-04	5.89E-01	2.02E-01	2.95E+00	2.42E+00	4.48E+01	5.89E+00	1.03E+00	5.42E+01
126	486783.18	3855993.15	28.6864	4.052	69.687	17.59642	2.19E+00	4.32E+01	7.70E+00	1.01E+00	5.41E+01	2.12E+00	1.83E-04	7.70E-01	1.97E-01	3.09E+00	2.38E+00	4.32E+01	7.70E+00	1.01E+00	5.43E+01
127	486533.18	3856043.15	33.5881	4.71021	61.285	18.72864	2.56E+00	5.03E+01	6.78E+00	1.07E+00	6.07E+01	2.49E+00	2.12E-04	6.78E-01	2.10E-01	3.37E+00	2.79E+00	5.03E+01	6.78E+00	1.07E+00	6.09E+01
128	486583.18	3856043.15	32.5305	4.60129	49.052	18.14265	2.48E+00	4.91E+01	5.42E+00	1.04E+00	5.80E+01	2.41E+00	2.07E-04	5.42E-01	2.03E-01	3.15E+00	2.70E+00	4.91E+01	5.42E+00	1.04E+00	5.83E+01
129	486633.18	3856043.15	31.7196	4.48202	36.791	17.68624	2.42E+00	4.78E+01	4.07E+00	1.01E+00	5.53E+01	2.35E+00	2.02E-04	4.07E-01	1.98E-01	2.95E+00	2.63E+00	4.78E+01	4.07E+00	1.01E+00	5.55E+01
130	486683.18	3856043.15	31.3956	4.35714	26.273	17.10642	2.39E+00	4.65E+01	2.90E+00	9.78E-01	5.28E+01	2.32E+00	1.96E-04	2.90E-01	1.91E-01	2.81E+00	2.61E+00	4.65E+01	2.90E+00	9.78E-01	5.30E+01
131	486733.18	3856043.15	30.6547	4.22236	40.066	16.666	2.34E+00	4.51E+01	4.43E+00	9.53E-01	5.28E+01	2.27E+00	1.90E-04	4.43E-01	1.87E-01	2.90E+00	2.54E+00	4.51E+01	4.43E+00	9.53E-01	5.30E+01
132	486783.18	3856043.15	30.3459	4.07645	54.265	16.09284	2.31E+00	4.35E+01	6.00E+00	9.20E-01	5.27E+01	2.25E+00	1.84E-04	6.00E-01	1.80E-01	3.03E+00	2.52E+00	4.35E+01	6.00E+00	9.20E-01	5.29E+01
133	486533.18	3856093.15	36.9273	4.72825	63.444	17.29701	2.81E+00	5.05E+01	7.01E+00	9.89E-01	6.13E+01	2.73E+00	2.13E-04	7.01E-01	1.94E-01	3.63E+00	3.07E+00	5.05E+01	7.01E+00	9.89E-01	6.15E+01
134	486583.18	3856093.15	35.6222	4.61939	55.351	16.88369	2.72E+00	4.93E+01	6.12E+00	9.65E-01	5.91E+01	2.64E+00	2.08E-04	6.12E-01	1.89E-01	3.44E+00	2.96E+00	4.93E+01	6.12E+00	9.65E-01	5.93E+01
135	486633.18	3856093.15	34.2294	4.50122	44.196	16.48956	2.61E+00	4.80E+01	4.89E+00	9.43E-01	5.65E+01	2.53E+00	2.03E-04	4.89E-01	1.85E-01	3.21E+00	2.84E+00	4.80E+01	4.89E+00	9.43E-01	5.67E+01
136	486683.18	3856093.15	33.1445	4.37681	31.461	16.03057	2.53E+00	4.67E+01	3.48E+00	9.17E-01	5.36E+01	2.45E+00	1.97E-04	3.48E-01	1.79E-01	2.98E+00	2.75E+00	4.67E+01	3.48E+00	9.17E-01	5.39E+01
137	486733.18	3856093.15	32.3575	4.2438	28.636	15.63753	2.47E+00	4.53E+01	3.17E+00	8.94E-01	5.18E+01	2.40E+00	1.91E-04	3.17E-01	1.75E-01	2.89E+00	2.69E+00	4.53E+01	3.17E+00	8.94E-01	5.20E+01
138	486783.18	3856093.15	31.8443	4.09982	41.531	15.1815	2.43E+00	4.38E+01	4.59E+00	8.68E-01	5.16E+01	2.36E+00	1.85E-04	4.59E-01	1.70E-01	2.99E+00	2.64E+00	4.38E+01	4.59E+00	8.68E-01	5.19E+01
139	486533.18	3856143.15	39.9992	4.74533	63.26	15.90587	3.05E+00	5.06E+01	6.99E+00	9.10E-01	6.16E+01	2.96E+00	2.14E-04	6.99E-01	1.78E-01	3.84E+00	3.32E+00	5.06E+01	6.99E+00	9.10E-01	6.19E+01
140	486583.18	3856143.15	38.2496	4.63671	60.021	15.52976	2.92E+00	4.95E+01	6.64E+00	8.88E-01	5.99E+01	2.83E+00	2.09E-04	6.64E-01	1.74E-01	3.67E+00	3.18E+00	4.95E+01	6.64E+00	8.88E-01	6.02E+01
141	486633.18	3856143.15	37.138	4.52007	50.574	15.0661	2.83E+00	4.82E+01	5.59E+00	8.62E-01	5.75E+01	2.75E+00	2.04E-04	5.59E-01	1.69E-01	3.48E+00	3.08E+00	4.82E+01	5.59E+00	8.62E-01	5.78E+01
142	486683.18	3856143.15	35.881	4.3961	39.004	14.64074	2.73E+00	4.69E+01	4.31E+00	8.37E-01	5.48E+01	2.66E+00	1.98E-04	4.31E-01	1.64E-01	3.25E+00	2.98E+00	4.69E+01	4.31E+00	8.37E-01	5.50E+01
143	486733.18	3856143.15	34.5841	4.26469	27.138	14.22435	2.64E+00	4.55E+01	3.00E+00	8.13E-01	5.20E+01	2.56E+00	1.92E-04	3.00E-01	1.59E-01	3.02E+00	2.87E+00	4.55E+01	3.00E+00	8.13E-01	5.22E+01
144	486783.18	3856143.15	33.8704	4.12375	29.62	13.71299	2.58E+00	4.40E+01	3.27E+00	7.84E-01	5.06E+01	2.51E+00	1.86E-04	3.27E-01	1.54E-01	2.99E+00	2.81E+00	4.40E+01	3.27E+00	7.84E-01	5.09E+01
145	486533.18	3856193.15	45.4363	4.76285	58.702	13.61704	3.46E+00	5.08E+01	6.49E+00	7.79E-01	6.16E+01	3.36E+00	2.15E-04	6.49E-01	1.52E-01	4.17E+00	3.77E+00	5.08E+01	6.49E+00	7.79E-01	6.19E+01
146	486583.18	3856193.15	42.3568	4.65464	60.616	13.33112	3.23E+00	4.97E+01	6.70E+00	7.62E-01	6.04E+01	3.14E+00	2.10E-04	6.70E-01	1.49E-01	3.96E+00	3.52E+00	4.97E+01	6.70E+00	7.62E-01	6.07E+01
147	486633.18	3856193.15	39.7871	4.53861	55.015	12.94534	3.03E+00	4.84E+01	6.08E+00	7.40E-01	5.83E+01	2.95E+00	2.05E-04	6.08E-01	1.45E-01	3.70E+00	3.30E+00	4.84E+01	6.08E+00	7.40E-01	5.86E+01
148	486683.18	3856193.15	38.7899	4.41648	44.578	12.52121	2.96E+00	4.71E+01	4.93E+00	7.16E-01	5.57E+01	2.87E+00	1.99E-04	4.93E-01	1.40E-01	3.50E+00	3.22E+00	4.71E+01	4.93E+00	7.16E-01	5.60E+01
149	486733.18	3856193.15	37.3843	4.28576	33.793	12.20632	2.85E+00	4.57E+01	3.74E+00	6.98E-01	5.30E+01	2.77E+00	1.93E-04	3.74E-01	1.37E-01	3.28E+00	3.10E+00	4.57E+01	3.74E+00	6.98E-01	5.33E+01
150	486783.18	3856193.15	36.3346	4.1575	22.09	11.78717	2.77E+00	4.44E+01	2.44E+00	6.74E-01	5.03E+01	2.69E+00	1.87E-04	2.44E-01	1.32E-01	3.07E+00	3.02E+00	4.44E+01	2.44E+00	6.74E-01	5.05E+01
151	486533.18	3856243.15	50.2719	4.77959	51.965	16.46299	3.83E+00	5.10E+01	5.75E+00	9.41E-01	6.15E+01	3.72E+00	2.15E-04	5.75E-01	1.84E-01	4.48E+00	4.17E+00	5.10E+01	5.75E+00	9.41E-01	6.19E+01
152	486583.18	3856243.15	47.4826	4.67345	56.431	16.04156	3.62E+00	4.99E+01	6.24E+00	9.17E-01	6.06E+01	3.52E+00	2.11E-04	6.24E-01	1.80E-01	4.32E+00	3.94E+00	4.99E+01	6.24E+00	9.17E-01	6.10E+01
153	486633.18	3856243.15	44.7726	4.55761	55.822	15.60944	3.41E+00	4.86E+01	6.17E+00	8.93E-01	5.91E+01	3.31E+00	2.05E-04	6.17E-01	1.75E-01	4.11E+00	3.72E+00	4.86E+01	6.17E+00	8.93E-01	5.94E+01
154	486683.18	3856243.15	42.1638	4.43537	49.551	15.13227	3.21E+00	4.73E+01	5.48E+00	8.65E-01	5.69E+01	3.12E+00	2.00E-04	5.48E-01	1.69E-01	3.84E+00	3.50E+00	4.73E+01	5.48E+00	8.65E-01	5.72E+01
155	486733.18	3856243.15	40.1389	4.35906	39.344	14.62036	3.06E+00	4.65E+01	4.35E+00	8.36E-01	5.48E+01	2.97E+00	1.97E-04	4.35E-01	1.64E-01	3.57E+00	3.33E+00	4.65E+01	4.35E+00	8.36E-01	5.50E+01
156	486783.18	3856243.15	38.8147	4.37006	28.541	14.17669	2.96E+00	4.66E+01	3.16E+00	8.11E-01	5.36E+01	2.87E+00	1.97E-04	3.16E-01	1.59E-01	3.35E+00	3.22E+00	4.66E+01	3.16E+00	8.11E-01	5.38E+01
157	486533.18	3856293.15	58.0693	4.79662	42.66	19.09764	4.43E+00	5.12E+01	4.72E+00	1.09E+00	6.14E+01	4.30E+00	2.16E-04	4.72E-01	2.14E-01	4.98E+00	4.82E+00	5.12E+01	4.72E+00	1.09E+00	6.18E+01
158	486583.18	3856293.15	53.0447	4.69144	50.109	18.62482	4.04E+00	5.01E+01	5.54E+00	1.07E+00	6.07E+01	3.93E+00	2.11E-04	5.54E-01	2.08E-01	4.69E+00	4.40E+00	5.01E+01	5.54E+00	1.07E+00	6.11E+01
159	486633.18	3856293.15	49.4581	4.57648	53.245	18.10144	3.77E+00	4.88E+01	5.89E+00	1.04E+00	5.95E+01	3.66E+00	2.06E-04	5.89E-01	2.03E-01	4.45E+00	4.11E+00	4.88E+01	5.89E+00	1.04E+00	5.99E+01
160	486683.18	3856293.15	46.8477	4.55935	51.251	17.56028	3.57E+00	4.87E+01	5.67E+00	1.00E+00	5.89E+01	3.47E+00	2.06E-04	5.67E-01	1.97E-01	4.23E+00	3.89E+00	4.87E+01	5.67E+00	1.00E+00	5.92E+01
161	486733.18	3856293.15	44.3945	4.57088	43.616	16.92402	3.38E+00	4.88E+01	4.82E+00	9.68E-01	5.80E+01	3.29E+00	2.06E-04	4.82E-01	1.89E-01	3.96E+00	3.69E+00	4.88E+01	4.82E+00	9.68E-01	5.83E+01
162	486783.18	3856293.15	41.7064	4.58134	34.363	16.41722	3.18E+00	4.89E+01	3.80E+00	9.39E-01	5.68E+01	3.09E+00	2.07E-04	3.80E-01	1.84E-01	3.65E+00	3.46E+00	4.89E+01	3.80E+00	9.39E-01	5.71E+01
163	486783.18	3856343.15	46.2824	4.7894	38.072	17.5582	3.53E+00	5.11E+01	4.21E+00	1.00E+00	5.99E+01	3.43E+00	2.16E-04	4.21E-01	1.97E-01	4.04E+00	3.84E+00	5.11E+01	4.21E+00	1.00E+00	6.02E+01
164	486833.18	3856343.15	43.6602	4.79962	28.821	16.99496	3.33E+00	5.12E+01	3.19E+00	9.72E-01	5.87E+01	3.23E+00	2.16E-04	3.19E-01	1.90E-01	3.74E+00	3.62E+00	5.12E+01	3.19E+00	9.72E-01	5.90E+01
165	486883.18	3856343.15	41.1701	4.80987	20.888	16.42828	3.14E+00	5.13E+01	2.31E+00	9.39E-01	5.77E+01	3.05E+00	2.17E-04	2.31E-01	1.84E-01	3.46E+00	3.42E+00	5.13E+01	2.31E+00	9.39E-01	5.80E+01
166	486783.18	3856393.15	50.3901	4.9887	41.22	18.75547	3.84E+00	5.32E+01	4.56E+00	1.07E+00	6.27E+01	3.73E+00	2.25E-04	4.56E-01	2.10E-01	4.40E+00	4.18E+00	5.32E+01	4.56E+00	1.07E+00	6.31E+01
167	486833.18	3856393.15	47.7738	4.99833	33.756	18.06677	3.64E+00	5.33E+01	3.73E+00	1.03E+00	6.17E+01	3.54E+00	2.25E-04	3.73E-01	2.02E-01	4.11E+00	3.97E+00	5.33E+01	3.73E+00	1.03E+00	6.21E+01
168	486883.18	3856393.15	45.1233	5.00692	25.159	17.48564	3.44E+00	5.34E+01	2.78E+00	1.00E+00	6.07E+01	3.34E+00	2.26E-04	2.78E-01	1.96E-01	3.81E+00	3.75E+00	5.34E+01	2.78E+00	1.00E+00	6.10E+01
169	487208.74	3856886.11	70.5285	6.53832	28.311	14.2288	5.38E+00	6.98E+01	3.13E+00	8.14E-01	7.91E+01	5.22E+00	2.95E-04	3.13E-01	1.59E-01	5.69E+00	5.86E+00	6.98E+01	3.13E+00	8.14E-01	7.96E+01
170	487258.74	3856886.11	65.6886	6.6539	30.361	13.94345	5.01E+00	7.10E+01	3.36E+00	7.97E-01	8.02E+01	4.86E+00	3.00E-04	3.36E-01	1.56E-01	5.36E+00	5.45E+00	7.10E+01	3.36E+00	7.97E-01	8.06E+01
171	487308.74	3856886.11	61.4205	6.71554	36.421	13.63056	4.68E+00	7.17E+01	4.03E+00	7.79E-01	8.12E+01	4.55E+00	3.03E-04	4.03E-01	1.53E-01	5.10E+00	5.10E+00	7.17E+01	4.03E+00	7.79E-01	8.16E+01
172	487358.74	3856886.11	57.5501	6.677	43.112	13.34347	4.39E+00	7.13E+01	4.77E+00	7.63E-01	8.12E+01	4.26E+00	3.01E-04	4.77E-01	1.49E-01	4.89E+00	4.78E+00	7.13E+01	4.77E+00	7.63E-01	8.16E+01
173	487208.74	3856936.11	77.3543	6.6806	33.314	12.87243	5.90E+00	7.13E+01	3.68E+00	7.36E-01	8.16E+01	5.73E+00	3.01E-04	3.68E-01	1.44E-01	6.24E+00	6.42E+00	7.13E+01	3.68E+00	7.36E-01	8.21E+01
174	487258.74	3856936.11	71.5855	6.82789	28.307	12.66028	5.46E+00	7.29E+01	3.13E+00	7.24E-01	8.22E+01	5.30E+00	3.08E-04	3.13E-01	1.42E-01	5.75E+00	5.94E+00	7.29E+01	3.13E+00	7.24E-01	8.27E+01
175	487308.74	3856936.11	66.5425	6.92591	33.397	12.41572	5.07E+00	7.39E+01	3.69E+00	7.10E-01	8.34E+01	4.93E+00	3.12E-04	3.69E-01	1.39E-01	5.43E+00	5.52E+00	7.39E+01	3.69E+00	7.10E-01	8.38E+01
176	487358.74	3856936.11	62.2902	6.93084	40.084	12.18056	4.75E+00	7.40E+01	4.43E+00	6.97E-01	8.38E+01	4.61E+00	3.12E-04	4.43E-01	1.36E-01	5.19E+00	5.17E+00	7.40E+01	4.43E+00	6.97E-01	8.43E+01
177	487208.74	3856986.11	86.7354	6.81082	38.82	12.69793	6.61E+00	7.27E+01	4.29E+00	7.26E-01	8.43E+01	6.42E+00	3.07E-04	4.29E-01	1.42E-01	6.99E+00	7.20E+00	7.27E+01	4.29E+00	7.26E-01	8.49E+01
178	487258.74	3856986.11	78.65	7.03193	33.515	12.02809	5.99E+00	7.50E+01	3.71E+00	6.88E-01	8.54E+01	5.82E+00	3.17E-04	3.71E-01	1.35E-01	6.33E+00	6.53E+00	7.50E+01	3.71E+00	6.88E-01	8.60E+01
179	487308.74	3856986.11	72.4691	7.11231	30.223	11.45512	5.52E+00	7.59E+01	3.34E+00	6.55E-01	8.54E+01	5.37E+00	3.21E-04	3.34E-01	1.28E-01	5.83E+00	6.02E+00	7.59E+01	3.34E+00	6.55E-01	8.59E+01

180	487358.74	3856986.11	67.3538	7.18224	36.816	10.81312	5.13E+00	7.66E+01	4.07E+00	6.18E-01	8.65E+01	4.99E+00	3.24E-04	4.07E-01	1.21E-01	5.51E+00	5.59E+00	7.66E+01	4.07E+00	6.18E-01	8.69E+01
181	487208.74	3857036.11	98.4701	6.9189	44.676	13.1632	7.51E+00	7.38E+01	4.94E+00	7.53E-01	8.70E+01	7.29E+00	3.12E-04	4.94E-01	1.47E-01	7.93E+00	8.18E+00	7.38E+01	4.94E+00	7.53E-01	8.77E+01
182	487258.74	3857036.11	88.1415	7.14661	39.264	12.58303	6.72E+00	7.63E+01	4.34E+00	7.20E-01	8.80E+01	6.53E+00	3.22E-04	4.34E-01	1.41E-01	7.10E+00	7.32E+00	7.63E+01	4.34E+00	7.20E-01	8.86E+01
183	487308.74	3857036.11	79.9957	7.3323	33.604	11.96906	6.10E+00	7.82E+01	3.72E+00	6.84E-01	8.87E+01	5.92E+00	3.31E-04	3.72E-01	1.34E-01	6.43E+00	6.64E+00	7.82E+01	3.72E+00	6.84E-01	8.93E+01
184	487358.74	3857036.11	73.1517	7.41201	33.321	11.39253	5.58E+00	7.91E+01	3.68E+00	6.51E-01	8.90E+01	5.42E+00	3.34E-04	3.68E-01	1.28E-01	5.91E+00	6.07E+00	7.91E+01	3.68E+00	6.51E-01	8.95E+01
185	487427.14	3856878.23	51.9873	6.58039	53.362	12.95683	3.96E+00	7.02E+01	5.90E+00	7.41E-01	8.08E+01	3.85E+00	2.97E-04	5.90E-01	1.45E-01	4.58E+00	4.32E+00	7.02E+01	5.90E+00	7.41E-01	8.12E+01
186	487477.14	3856878.23	48.7161	6.45956	60.563	12.587	3.71E+00	6.89E+01	6.70E+00	7.20E-01	8.01E+01	3.61E+00	2.91E-04	6.70E-01	1.41E-01	4.42E+00	4.04E+00	6.89E+01	6.70E+00	7.20E-01	8.04E+01
187	487527.14	3856878.23	45.6101	6.29333	67.325	12.2351	3.48E+00	6.72E+01	7.44E+00	7.00E-01	7.88E+01	3.38E+00	2.84E-04	7.44E-01	1.37E-01	4.26E+00	3.79E+00	6.72E+01	7.44E+00	7.00E-01	7.91E+01
188	487427.14	3856928.23	56.3856	6.83955	50.659	11.97406	4.30E+00	7.30E+01	5.60E+00	6.85E-01	8.36E+01	4.17E+00	3.08E-04	5.60E-01	1.34E-01	4.87E+00	4.68E+00	7.30E+01	5.60E+00	6.85E-01	8.40E+01
189	487477.14	3856928.23	52.9762	6.68445	58.297	11.72093	4.04E+00	7.13E+01	6.45E+00	6.70E-01	8.25E+01	3.92E+00	3.01E-04	6.45E-01	1.31E-01	4.70E+00	4.40E+00	7.13E+01	6.45E+00	6.70E-01	8.28E+01
190	487527.14	3856928.23	49.7585	6.53983	65.712	11.41636	3.79E+00	6.98E+01	7.27E+00	6.53E-01	8.15E+01	3.68E+00	2.95E-04	7.27E-01	1.28E-01	4.54E+00	4.13E+00	6.98E+01	7.27E+00	6.53E-01	8.18E+01
191	487577.14	3856928.23	46.7102	6.37224	72.363	11.11074	3.56E+00	6.80E+01	8.00E+00	6.35E-01	8.02E+01	3.46E+00	2.87E-04	8.00E-01	1.24E-01	4.38E+00	3.88E+00	6.80E+01	8.00E+00	6.35E-01	8.05E+01
192	487627.14	3856928.23	43.8406	6.14513	77.662	10.84853	3.34E+00	6.56E+01	8.59E+00	6.20E-01	7.81E+01	3.25E+00	2.77E-04	8.59E-01	1.21E-01	4.23E+00	3.64E+00	6.56E+01	8.59E+00	6.20E-01	7.84E+01
193	487677.14	3856928.23	41.9822	5.96116	81.069	10.50263	3.20E+00	6.36E+01	8.96E+00	6.01E-01	7.64E+01	3.11E+00	2.69E-04	8.96E-01	1.18E-01	4.12E+00	3.49E+00	6.36E+01	8.96E+00	6.01E-01	7.67E+01
194	487727.14	3856928.23	40.1995	6.16696	82.116	10.14194	3.06E+00	6.58E+01	9.08E+00	5.80E-01	7.85E+01	2.98E+00	2.78E-04	9.08E-01	1.14E-01	4.00E+00	3.34E+00	6.58E+01	9.08E+00	5.80E-01	7.88E+01
195	487777.14	3856928.23	38.5194	6.32014	80.541	9.83167	2.94E+00	6.74E+01	8.90E+00	5.62E-01	7.98E+01	2.85E+00	2.85E-04	8.90E-01	1.10E-01	3.85E+00	3.20E+00	6.74E+01	8.90E+00	5.62E-01	8.01E+01
196	487427.14	3856978.23	60.8697	7.06147	47.573	10.72732	4.64E+00	7.54E+01	5.26E+00	6.13E-01	8.59E+01	4.51E+00	3.18E-04	5.26E-01	1.20E-01	5.15E+00	5.05E+00	7.54E+01	5.26E+00	6.13E-01	8.63E+01
197	487477.14	3856978.23	57.2029	6.95902	55.586	10.50555	4.36E+00	7.43E+01	6.15E+00	6.01E-01	8.54E+01	4.23E+00	3.14E-04	6.15E-01	1.18E-01	4.97E+00	4.75E+00	7.43E+01	6.15E+00	6.01E-01	8.58E+01
198	487527.14	3856978.23	53.8292	6.81505	63.585	10.27664	4.10E+00	7.27E+01	7.03E+00	5.88E-01	8.44E+01	3.99E+00	3.07E-04	7.03E-01	1.15E-01	4.80E+00	4.47E+00	7.27E+01	7.03E+00	5.88E-01	8.48E+01
199	487577.14	3856978.23	50.6689	6.63527	71.022	10.05269	3.86E+00	7.08E+01	7.85E+00	5.75E-01	8.31E+01	3.75E+00	2.99E-04	7.85E-01	1.13E-01	4.65E+00	4.21E+00	7.08E+01	7.85E+00	5.75E-01	8.34E+01
200	487627.14	3856978.23	47.7141	6.40398	77.259	9.85716	3.64E+00	6.83E+01	8.54E+00	5.64E-01	8.11E+01	3.53E+00	2.89E-04	8.54E-01	1.10E-01	4.50E+00	3.96E+00	6.83E+01	8.54E+00	5.64E-01	8.14E+01
201	487677.14	3856978.23	44.8506	6.22234	81.659	9.5854	3.42E+00	6.64E+01	9.03E+00	5.48E-01	7.94E+01	3.32E+00	2.80E-04	9.03E-01	1.07E-01	4.33E+00	3.72E+00	6.64E+01	9.03E+00	5.48E-01	7.97E+01
202	487727.14	3856978.23	42.4171	6.16793	83.631	9.43839	3.23E+00	6.58E+01	9.25E+00	5.40E-01	7.88E+01	3.14E+00	2.78E-04	9.25E-01	1.06E-01	4.17E+00	3.52E+00	6.58E+01	9.25E+00	5.40E-01	7.91E+01
203	487777.14	3856978.23	40.5946	6.55387	82.825	9.01261	3.09E+00	6.99E+01	9.16E+00	5.15E-01	8.27E+01	3.01E+00	2.95E-04	9.16E-01	1.01E-01	4.02E+00	3.37E+00	6.99E+01	9.16E+00	5.15E-01	8.30E+01
204	487427.14	3857028.23	65.5685	7.34158	44.09	10.54575	5.00E+00	7.83E+01	4.87E+00	6.03E-01	8.88E+01	4.85E+00	3.31E-04	4.87E-01	1.18E-01	5.46E+00	5.44E+00	7.83E+01	4.87E+00	6.03E-01	8.93E+01
205	487477.14	3857028.23	61.5106	7.23763	52.33	9.98774	4.69E+00	7.72E+01	5.79E+00	5.71E-01	8.83E+01	4.55E+00	3.26E-04	5.79E-01	1.12E-01	5.24E+00	5.11E+00	7.72E+01	5.79E+00	5.71E-01	8.87E+01
206	487527.14	3857028.23	57.9123	7.07233	60.814	9.45706	4.41E+00	7.55E+01	6.72E+00	5.41E-01	8.72E+01	4.29E+00	3.19E-04	6.72E-01	1.06E-01	5.07E+00	4.81E+00	7.55E+01	6.72E+00	5.41E-01	8.75E+01
207	487577.14	3857028.23	54.5829	6.90296	68.996	8.91492	4.16E+00	7.37E+01	7.63E+00	5.10E-01	8.60E+01	4.04E+00	3.11E-04	7.63E-01	9.98E-02	4.90E+00	4.53E+00	7.37E+01	7.63E+00	5.10E-01	8.63E+01
208	487627.14	3857028.23	51.5231	6.65705	76.189	8.67547	3.93E+00	7.10E+01	8.42E+00	4.96E-01	8.39E+01	3.81E+00	3.00E-04	8.42E-01	9.71E-02	4.75E+00	4.28E+00	7.10E+01	8.42E+00	4.96E-01	8.42E+01
209	487677.14	3857028.23	48.5874	6.4648	81.659	8.48667	3.70E+00	6.90E+01	9.03E+00	4.85E-01	8.22E+01	3.60E+00	2.91E-04	9.03E-01	9.50E-02	4.60E+00	4.03E+00	6.90E+01	9.03E+00	4.85E-01	8.25E+01
210	487727.14	3857028.23	45.7606	6.52814	84.708	8.25275	3.49E+00	6.97E+01	9.37E+00	4.72E-01	8.30E+01	3.39E+00	2.94E-04	9.37E-01	9.24E-02	4.42E+00	3.80E+00	6.97E+01	9.37E+00	4.72E-01	8.33E+01
211	487777.14	3857028.23	43.0866	6.7318	84.816	8.04282	3.28E+00	7.18E+01	9.38E+00	4.60E-01	8.50E+01	3.19E+00	3.03E-04	9.38E-01	9.00E-02	4.22E+00	3.58E+00	7.18E+01	9.38E+00	4.60E-01	8.53E+01
212	487427.14	3857078.23	70.9247	7.59196	40.174	10.9262	5.41E+00	8.10E+01	4.44E+00	6.25E-01	9.15E+01	5.25E+00	3.42E-04	4.44E-01	1.22E-01	5.82E+00	5.89E+00	8.10E+01	4.44E+00	6.25E-01	9.20E+01
213	487477.14	3857078.23	66.2663	7.48471	48.51	10.43832	5.05E+00	7.99E+01	5.36E+00	5.97E-01	9.09E+01	4.91E+00	3.37E-04	5.36E-01	1.17E-01	5.56E+00	5.50E+00	7.99E+01	5.36E+00	5.97E-01	9.13E+01
214	487527.14	3857078.23	62.0954	7.34793	57.373	9.92411	4.73E+00	7.84E+01	6.34E+00	5.67E-01	9.01E+01	4.60E+00	3.31E-04	6.34E-01	1.11E-01	5.34E+00	5.16E+00	7.84E+01	6.34E+00	5.67E-01	9.05E+01
215	487577.14	3857078.23	58.527	7.16562	66.236	9.42823	4.46E+00	7.65E+01	7.32E+00	5.39E-01	8.88E+01	4.33E+00	3.23E-04	7.32E-01	1.06E-01	5.17E+00	4.86E+00	7.65E+01	7.32E+00	5.39E-01	8.92E+01
216	487627.14	3857078.23	55.266	6.94531	74.389	8.96265	4.21E+00	7.41E+01	8.22E+00	5.13E-01	8.71E+01	4.09E+00	3.13E-04	8.22E-01	1.00E-01	5.01E+00	4.59E+00	7.41E+01	8.22E+00	5.13E-01	8.74E+01
217	487677.14	3857078.23	52.2148	6.74887	81.007	8.46461	3.98E+00	7.20E+01	8.96E+00	4.84E-01	8.54E+01	3.87E+00	3.04E-04	8.96E-01	9.48E-02	4.86E+00	4.33E+00	7.20E+01	8.96E+00	4.84E-01	8.58E+01
218	487727.14	3857078.23	49.3126	6.70021	85.255	7.95459	3.76E+00	7.15E+01	9.43E+00	4.55E-01	8.51E+01	3.65E+00	3.02E-04	9.43E-01	8.90E-02	4.68E+00	4.09E+00	7.15E+01	9.43E+00	4.55E-01	8.55E+01
219	487777.14	3857078.23	46.6072	6.86683	86.447	7.50461	3.55E+00	7.33E+01	9.56E+00	4.29E-01	8.68E+01	3.45E+00	3.10E-04	9.56E-01	8.40E-02	4.49E+00	3.87E+00	7.33E+01	9.56E+00	4.29E-01	8.71E+01
220	487427.14	3857128.23	78.2893	7.83909	35.912	10.95898	5.97E+00	8.37E+01	3.97E+00	6.27E-01	9.42E+01	5.80E+00	3.53E-04	3.97E-01	1.23E-01	6.32E+00	6.50E+00	8.37E+01	3.97E+00	6.27E-01	9.48E+01
221	487477.14	3857128.23	71.9237	7.73652	44.204	10.55614	5.48E+00	8.26E+01	4.89E+00	6.04E-01	9.35E+01	5.32E+00	3.49E-04	4.89E-01	1.18E-01	5.93E+00	5.97E+00	8.26E+01	4.89E+00	6.04E-01	9.40E+01
222	487527.14	3857128.23	66.8741	7.57621	53.31	10.14137	5.10E+00	8.09E+01	5.89E+00	5.80E-01	9.24E+01	4.95E+00	3.42E-04	5.89E-01	1.14E-01	5.65E+00	5.55E+00	8.09E+01	5.89E+00	5.80E-01	9.29E+01
223	487577.14	3857128.23	62.678	7.4105	62.747	9.68649	4.78E+00	7.91E+01	6.94E+00	5.54E-01	9.14E+01	4.64E+00	3.34E-04	6.94E-01	1.08E-01	5.44E+00	5.20E+00	7.91E+01	6.94E+00	5.54E-01	9.18E+01
224	487627.14	3857128.23	59.0429	7.22926	71.809	9.22707	4.50E+00	7.71E+01	7.94E+00	5.28E-01	9.01E+01	4.37E+00	3.26E-04	7.94E-01	1.03E-01	5.27E+00	4.90E+00	7.71E+01	7.94E+00	5.28E-01	9.05E+01
225	487677.14	3857128.23	55.8432	6.99366	79.6	8.8132	4.26E+00	7.46E+01	8.80E+00	5.04E-01	8.82E+01	4.13E+00	3.15E-04	8.80E-01	9.87E-02	5.11E+00	4.64E+00	7.46E+01	8.80E+00	5.04E-01	8.86E+01
226	487727.14	3857128.23	52.7824	6.8961	85.153	8.30511	4.02E+00	7.36E+01	9.41E+00	4.75E-01	8.75E+01	3.91E+00	3.11E-04	9.41E-01	9.30E-02	4.94E+00	4.38E+00	7.36E+01	9.41E+00	4.75E-01	8.79E+01
227	487777.14	3857128.23	49.9908	7.06727	87.593	7.88616	3.81E+00	7.54E+01	9.68E+00	4.51E-01	8.94E+01	3.70E+00	3.19E-04	9.68E-01	8.83E-02	4.76E+00	4.15E+00	7.54E+01	9.68E+00	4.51E-01	8.97E+01
228	488049.44	3856539.39	25.8307	5.61242	31.002	8.29682	1.97E+00	5.99E+01	3.43E+00	4.74E-01	6.58E+01	1.91E+00	2.53E-04	3.43E-01	9.29E-02	2.35E+00	2.14E+00	5.99E+01	3.43E+00	4.74E-01	6.59E+01
229	488099.44	3856539.39	25.3657	5.61417	34.662	8.04034	1.93E+00	5.99E+01	3.83E+00	4.60E-01	6.61E+01	1.88E+00	2.53E-04	3.83E-01	9.00E-02	2.35E+00	2.11E+00	5.99E+01	3.83E+00	4.60E-01	6.63E+01
230	488149.44	3856539.39	24.9245	5.61701	37.488	7.71399	1.90E+00	5.99E+01	4.14E+00	4.41E-01	6.64E+01	1.85E+00	2.53E-04	4.14E-01	8.64E-02	2.35E+00	2.07E+00	5.99E+01	4.14E+00	4.41E-01	6.66E+01
231	488049.44	3856589.39	26.3946	5.71514	31.513	8.59861	2.01E+00	6.10E+01	3.48E+00	4.92E-01	6.70E+01	1.95E+00	2.58E-04	3.48E-01	9.63E-02	2.40E+00	2.19E+00	6.10E+01	3.48E+00	4.92E-01	6.72E+01
232	488099.44	3856589.39	25.9043	5.71567	35.292	8.3112	1.97E+00	6.10E+01	3.90E+00	4.75E-01	6.73E+01	1.92E+00	2.58E-04	3.90E-01	9.30E-02	2.40E+00	2.15E+00	6.10E+01	3.90E+00	4.75E-01	6.75E+01
233	488149.44	3856589.39	25.4377	5.71642	38.171	8.0106	1.94E+00	6.10E+01	4.22E+00	4.58E-01	6.76E+01	1.88E+00	2.58E-04	4.22E-01	8.97E-02	2.40E+00	2.11E+00	6.10E+01	4.22E+00	4.58E-01	6.78E+01
234	488199.44	3856589.39	24.9899	5.71618	39.851	7.77201	1.90E+00	6.10E+01	4.41E+00	4.44E-01	6.78E+01	1.85E+00	2.58E-04	4.41E-01	8.70E-02	2.38E+00	2.07E+00	6.10E+01	4.41E+00	4.44E-01	6.79E+01
235	488249.44	3856589.39	24.5647	5.81442	40.172	7.3094	1.87E+00	6.20E+01	4.44E+00	4.18E-01	6.88E+01	1.82E+00	2.62E-04	4.44E-01	8.18E-02	2.34E+00	2.04E+00	6.21E+01	4.44E+00	4.18E-01	6.89E+01
236	488049.44	3856639.39	26.9667	5.79289	32.025	8.80675	2.06E+00	6.18E+01	3.54E+00	5.04E-01	6.79E+01	2.00E+00	2.61E-04	3.54E-01	9.86E-02	2.45E+00	2.24E+00	6.18E+01	3.54E+00	5.04E-01	6.81E+01
237	488099.44	3856639.39	26.4516	5.79166	35.93	8.51089	2.02E+00	6.18E+01	3.97E+00	4.87E-01	6.83E+01	1.96E+00	2.61E-04	3.97E-01	9.53E-02	2.45E+00	2.20E+00	6.18E+01	3.97E+00	4.87E-01	6.85E+01
238	488149.44	3856639.39	25.9592	5.79044	38.861	8.21758	1.98E+00	6.18E+01	4.30E+00	4.70E-01	6.85E+01	1.92E+00	2.61E-04	4.30E-01	9.20E-02	2.44E+00	2.16E+00	6.18E+01	4.30E+00	4.70E-01	6.87E+01
239	488199.44	3856639.39	25.4781	5.80691	40.506	7.85858	1.94E+00	6.20E+01	4.48E+00	4.49E-01	6.88E+01	1.89E+00	2.62E-04	4.48E-01	8.80E-02	2.42E+00	2.12E+00	6.20E+01	4.48E+00	4.49E-01	6.90E+01
240	488249.44	3856639.39	25.0236	5.99209	40.69	7.54085	1.91E+00	6.39E+01	4.50E+00	4.31E-01	7.08E+01	1.85E+00	2.70E-04	4.50E-01	8.44E-02	2.39E+00	2.08E+00	6.39E+01	4.50E+00	4.31E-01	7.10E+01

241	488299.44	3856639.39	24.5868	6.14793	47.338	7.2241	1.87E+00	6.56E+01	5.23E+00	4.13E-01	7.31E+01	1.82E+00	2.77E-04	5.23E-01	8.09E-02	2.42E+00	2.04E+00	6.56E+01	5.23E+00	4.13E-01	7.33E+01
242	488349.44	3856639.39	24.1771	6.21808	55.888	6.97078	1.84E+00	6.64E+01	6.18E+00	3.99E-01	7.48E+01	1.79E+00	2.80E-04	6.18E-01	7.80E-02	2.49E+00	2.01E+00	6.64E+01	6.18E+00	3.99E-01	7.49E+01
243	488399.44	3856639.39	23.7599	6.36873	63.056	6.58945	1.81E+00	6.80E+01	6.97E+00	3.77E-01	7.71E+01	1.76E+00	2.87E-04	6.97E-01	7.38E-02	2.53E+00	1.97E+00	6.80E+01	6.97E+00	3.77E-01	7.73E+01
244	488099.44	3856689.39	26.9823	5.91282	36.576	8.53056	2.06E+00	6.31E+01	4.04E+00	4.88E-01	6.97E+01	2.00E+00	2.67E-04	4.04E-01	9.55E-02	2.50E+00	2.24E+00	6.31E+01	4.04E+00	4.88E-01	6.99E+01
245	488149.44	3856689.39	26.4692	5.87931	39.559	8.25354	2.02E+00	6.27E+01	4.37E+00	4.72E-01	6.96E+01	1.96E+00	2.65E-04	4.37E-01	9.24E-02	2.49E+00	2.20E+00	6.27E+01	4.37E+00	4.72E-01	6.98E+01
246	488199.44	3856689.39	25.9611	6.03373	41.154	7.90975	1.98E+00	6.44E+01	4.55E+00	4.52E-01	7.14E+01	1.92E+00	2.72E-04	4.55E-01	8.85E-02	2.47E+00	2.16E+00	6.44E+01	4.55E+00	4.52E-01	7.15E+01
247	488249.44	3856689.39	25.4959	6.16694	41.185	7.65481	1.94E+00	6.58E+01	4.55E+00	4.38E-01	7.27E+01	1.89E+00	2.78E-04	4.55E-01	8.57E-02	2.43E+00	2.12E+00	6.58E+01	4.55E+00	4.38E-01	7.29E+01
248	488299.44	3856689.39	25.0184	6.39224	49.613	7.27044	1.91E+00	6.82E+01	5.49E+00	4.16E-01	7.60E+01	1.85E+00	2.88E-04	5.49E-01	8.14E-02	2.48E+00	2.08E+00	6.82E+01	5.49E+00	4.16E-01	7.62E+01
249	488349.44	3856689.39	24.5899	6.46941	58.248	7.01172	1.87E+00	6.90E+01	6.44E+00	4.01E-01	7.78E+01	1.82E+00	2.92E-04	6.44E-01	7.85E-02	2.54E+00	2.04E+00	6.90E+01	6.44E+00	4.01E-01	7.79E+01
250	488399.44	3856689.39	24.2008	6.39561	65.126	6.85713	1.84E+00	6.83E+01	7.20E+00	3.92E-01	7.77E+01	1.79E+00	2.88E-04	7.20E-01	7.68E-02	2.59E+00	2.01E+00	6.83E+01	7.20E+00	3.92E-01	7.79E+01
251	488099.44	3856739.39	27.5908	6.20232	37.227	8.37089	2.10E+00	6.62E+01	4.12E+00	4.79E-01	7.29E+01	2.04E+00	2.80E-04	4.12E-01	9.37E-02	2.55E+00	2.29E+00	6.62E+01	4.12E+00	4.79E-01	7.31E+01
252	488149.44	3856739.39	27.0278	6.12108	40.26	8.14734	2.06E+00	6.53E+01	4.45E+00	4.66E-01	7.23E+01	2.00E+00	2.76E-04	4.45E-01	9.12E-02	2.54E+00	2.24E+00	6.53E+01	4.45E+00	4.66E-01	7.25E+01
253	488199.44	3856739.39	26.4549	6.30407	41.794	7.77041	2.02E+00	6.73E+01	4.62E+00	4.44E-01	7.44E+01	1.96E+00	2.84E-04	4.62E-01	8.70E-02	2.51E+00	2.20E+00	6.73E+01	4.62E+00	4.44E-01	7.45E+01
254	488249.44	3856739.39	25.9497	6.43848	42.321	7.52465	1.98E+00	6.87E+01	4.68E+00	4.30E-01	7.58E+01	1.92E+00	2.90E-04	4.68E-01	8.42E-02	2.47E+00	2.15E+00	6.87E+01	4.68E+00	4.30E-01	7.60E+01
255	488299.44	3856739.39	25.5159	6.44331	51.897	7.37237	1.94E+00	6.88E+01	5.74E+00	4.22E-01	7.69E+01	1.89E+00	2.90E-04	5.74E-01	8.25E-02	2.55E+00	2.12E+00	6.88E+01	5.74E+00	4.22E-01	7.70E+01
256	488349.44	3856739.39	25.0103	6.70135	60.587	6.94715	1.91E+00	7.15E+01	6.70E+00	3.97E-01	8.05E+01	1.85E+00	3.02E-04	6.70E-01	7.78E-02	2.60E+00	2.08E+00	7.15E+01	6.70E+00	3.97E-01	8.07E+01
257	488399.44	3856739.39	24.5257	6.88272	67.179	6.55331	1.87E+00	7.35E+01	7.43E+00	3.75E-01	8.31E+01	1.82E+00	3.10E-04	7.43E-01	7.34E-02	2.63E+00	2.04E+00	7.35E+01	7.43E+00	3.75E-01	8.33E+01
258	487999.44	3856789.39	30.0238	6.05726	46.915	8.8329	2.29E+00	6.46E+01	5.19E+00	5.05E-01	7.26E+01	2.22E+00	2.73E-04	5.19E-01	9.89E-02	2.84E+00	2.49E+00	6.46E+01	5.19E+00	5.05E-01	7.28E+01
259	488049.44	3856789.39	29.2517	6.1926	34.564	8.51845	2.23E+00	6.61E+01	3.82E+00	4.87E-01	7.26E+01	2.17E+00	2.79E-04	3.82E-01	9.54E-02	2.64E+00	2.43E+00	6.61E+01	3.82E+00	4.87E-01	7.28E+01
260	488099.44	3856789.39	28.4786	6.38943	37.877	8.13705	2.17E+00	6.82E+01	4.19E+00	4.65E-01	7.50E+01	2.11E+00	2.88E-04	4.19E-01	9.11E-02	2.62E+00	2.36E+00	6.82E+01	4.19E+00	4.65E-01	7.52E+01
261	488149.44	3856789.39	27.7529	6.37343	40.959	7.8789	2.12E+00	6.80E+01	4.53E+00	4.51E-01	7.51E+01	2.05E+00	2.87E-04	4.53E-01	8.82E-02	2.60E+00	2.30E+00	6.80E+01	4.53E+00	4.51E-01	7.53E+01
262	488199.44	3856789.39	27.0794	6.49747	42.419	7.56528	2.06E+00	6.93E+01	4.69E+00	4.33E-01	7.65E+01	2.00E+00	2.93E-04	4.69E-01	8.47E-02	2.56E+00	2.25E+00	6.93E+01	4.69E+00	4.33E-01	7.67E+01
263	488249.44	3856789.39	26.5327	6.65815	44.415	7.31036	2.02E+00	7.11E+01	4.91E+00	4.18E-01	7.84E+01	1.96E+00	3.00E-04	4.91E-01	8.18E-02	2.54E+00	2.20E+00	7.11E+01	4.91E+00	4.18E-01	7.86E+01
264	488299.44	3856789.39	26.0232	6.71046	54.259	7.12201	1.98E+00	7.16E+01	6.00E+00	4.07E-01	8.00E+01	1.93E+00	3.02E-04	6.00E-01	7.97E-02	2.61E+00	2.16E+00	7.16E+01	6.00E+00	4.07E-01	8.02E+01
265	488349.44	3856789.39	25.4795	6.97685	62.884	6.71952	1.94E+00	7.45E+01	6.95E+00	3.84E-01	8.37E+01	1.89E+00	3.15E-04	6.95E-01	7.52E-02	2.66E+00	2.12E+00	7.45E+01	6.95E+00	3.84E-01	8.39E+01
266	488399.44	3856789.39	24.9666	7.10116	68.994	6.39445	1.90E+00	7.58E+01	7.63E+00	3.66E-01	8.57E+01	1.85E+00	3.20E-04	7.63E-01	7.16E-02	2.68E+00	2.07E+00	7.58E+01	7.63E+00	3.66E-01	8.58E+01
267	487949.44	3856839.39	31.7853	6.24699	54.457	9.14849	2.42E+00	6.67E+01	6.02E+00	5.23E-01	7.56E+01	2.35E+00	2.82E-04	6.02E-01	1.02E-01	3.06E+00	2.64E+00	6.67E+01	6.02E+00	5.23E-01	7.58E+01
268	487999.44	3856839.39	30.9667	6.23713	48.326	8.77008	2.36E+00	6.66E+01	5.34E+00	5.02E-01	7.48E+01	2.29E+00	2.81E-04	5.34E-01	9.82E-02	2.93E+00	2.57E+00	6.66E+01	5.34E+00	5.02E-01	7.50E+01
269	488049.44	3856839.39	30.173	6.37773	36.018	8.41226	2.30E+00	6.81E+01	3.98E+00	4.81E-01	7.48E+01	2.23E+00	2.87E-04	3.98E-01	9.42E-02	2.73E+00	2.50E+00	6.81E+01	3.98E+00	4.81E-01	7.50E+01
270	488099.44	3856839.39	29.4031	6.53537	38.524	8.02669	2.24E+00	6.97E+01	4.26E+00	4.59E-01	7.67E+01	2.18E+00	2.95E-04	4.26E-01	8.99E-02	2.69E+00	2.44E+00	6.97E+01	4.26E+00	4.59E-01	7.69E+01
271	488149.44	3856839.39	28.6628	6.62328	41.653	7.65561	2.18E+00	7.07E+01	4.61E+00	4.38E-01	7.79E+01	2.12E+00	2.99E-04	4.61E-01	8.57E-02	2.67E+00	2.38E+00	7.07E+01	4.61E+00	4.38E-01	7.81E+01
272	488199.44	3856839.39	27.9463	6.73165	43.022	7.30614	2.13E+00	7.18E+01	4.76E+00	4.18E-01	7.91E+01	2.07E+00	3.03E-04	4.76E-01	8.18E-02	2.63E+00	2.32E+00	7.18E+01	4.76E+00	4.18E-01	7.93E+01
273	487949.44	3856889.39	32.7501	6.3889	55.595	9.02624	2.50E+00	6.82E+01	6.15E+00	5.16E-01	7.73E+01	2.42E+00	2.88E-04	6.15E-01	1.01E-01	3.14E+00	2.72E+00	6.82E+01	6.15E+00	5.16E-01	7.76E+01
274	487999.44	3856889.39	31.8553	6.46786	49.635	8.59857	2.43E+00	6.90E+01	5.49E+00	4.92E-01	7.74E+01	2.36E+00	2.92E-04	5.49E-01	9.63E-02	3.00E+00	2.64E+00	6.90E+01	5.49E+00	4.92E-01	7.76E+01
275	488049.44	3856889.39	31.0714	6.5346	37.465	8.32352	2.37E+00	6.97E+01	4.14E+00	4.76E-01	7.67E+01	2.30E+00	2.95E-04	4.14E-01	9.32E-02	2.81E+00	2.58E+00	6.97E+01	4.14E+00	4.76E-01	7.69E+01
276	488099.44	3856889.39	30.2683	6.75262	39.166	7.9242	2.31E+00	7.21E+01	4.33E+00	4.53E-01	7.92E+01	2.24E+00	3.04E-04	4.33E-01	8.87E-02	2.76E+00	2.51E+00	7.21E+01	4.33E+00	4.53E-01	7.94E+01
277	488635.86	3857895.05	44.4754	12.4947	140.99	11.05329	3.39E+00	1.33E+02	1.56E+01	6.32E-01	1.53E+02	3.29E+00	5.63E-04	1.56E+00	1.24E-01	4.98E+00	3.69E+00	1.33E+02	1.56E+01	6.32E-01	1.53E+02
278	489137.64	3857804.15	31.4734	12.2614	93.081	9.10177	2.40E+00	1.31E+02	1.03E+01	5.20E-01	1.44E+02	2.33E+00	5.53E-04	1.03E+00	1.02E-01	3.46E+00	2.61E+00	1.31E+02	1.03E+01	5.20E-01	1.44E+02
279	488617.32	3857859.41	44.7413	12.0744	163.55	10.59614	3.41E+00	1.29E+02	1.81E+01	6.06E-01	1.51E+02	3.31E+00	5.44E-04	1.81E+00	1.19E-01	5.24E+00	3.71E+00	1.29E+02	1.81E+01	6.06E-01	1.51E+02
280	488667.32	3857859.41	43.5216	12.2709	149.65	10.80664	3.32E+00	1.31E+02	1.65E+01	6.18E-01	1.51E+02	3.22E+00	5.53E-04	1.65E+00	1.21E-01	5.00E+00	3.61E+00	1.31E+02	1.65E+01	6.18E-01	1.52E+02
281	488717.32	3857859.41	42.0519	12.2815	131.76	10.62782	3.21E+00	1.31E+02	1.46E+01	6.08E-01	1.49E+02	3.11E+00	5.54E-04	1.46E+00	1.19E-01	4.69E+00	3.49E+00	1.31E+02	1.46E+01	6.08E-01	1.50E+02
282	488767.32	3857859.41	40.276	12.3111	127.24	10.20046	3.07E+00	1.31E+02	1.41E+01	5.83E-01	1.49E+02	2.98E+00	5.55E-04	1.41E+00	1.14E-01	4.50E+00	3.34E+00	1.31E+02	1.41E+01	5.83E-01	1.49E+02
283	488617.32	3857909.41	44.5434	12.517	159.75	11.1675	3.40E+00	1.34E+02	1.77E+01	6.39E-01	1.55E+02	3.30E+00	5.64E-04	1.77E+00	1.25E-01	5.19E+00	3.70E+00	1.34E+02	1.77E+01	6.39E-01	1.56E+02
284	488667.32	3857909.41	43.7992	12.8086	155.76	10.69007	3.34E+00	1.37E+02	1.72E+01	6.11E-01	1.58E+02	3.24E+00	5.77E-04	1.72E+00	1.20E-01	5.08E+00	3.64E+00	1.37E+02	1.72E+01	6.11E-01	1.58E+02
285	488717.32	3857909.41	43.051	12.6298	148.86	10.85978	3.28E+00	1.35E+02	1.65E+01	6.21E-01	1.55E+02	3.19E+00	5.69E-04	1.65E+00	1.22E-01	4.96E+00	3.57E+00	1.35E+02	1.65E+01	6.21E-01	1.55E+02
286	488767.32	3857909.41	41.7537	12.5979	144.14	10.84833	3.18E+00	1.34E+02	1.59E+01	6.20E-01	1.54E+02	3.09E+00	5.68E-04	1.59E+00	1.21E-01	4.81E+00	3.47E+00	1.34E+02	1.59E+01	6.20E-01	1.54E+02
287	488417.32	3857959.41	45.5731	13.3152	305.26	10.86999	3.47E+00	1.42E+02	3.37E+01	6.22E-01	1.80E+02	3.37E+00	6.00E-04	3.37E+00	1.22E-01	6.87E+00	3.78E+00	1.42E+02	3.37E+01	6.22E-01	1.80E+02
288	488467.32	3857959.41	44.797	12.7262	294.39	11.50988	3.41E+00	1.36E+02	3.25E+01	6.58E-01	1.72E+02	3.32E+00	5.74E-04	3.25E+00	1.29E-01	6.70E+00	3.72E+00	1.36E+02	3.25E+01	6.58E-01	1.73E+02
289	488517.32	3857959.41	43.5722	12.374	272.34	11.66963	3.32E+00	1.32E+02	3.01E+01	6.67E-01	1.66E+02	3.23E+00	5.58E-04	3.01E+00	1.31E-01	6.37E+00	3.62E+00	1.32E+02	3.01E+01	6.67E-01	1.66E+02
290	488567.32	3857959.41	42.2059	12.6844	245.95	11.37355	3.22E+00	1.35E+02	2.72E+01	6.50E-01	1.66E+02	3.12E+00	5.72E-04	2.72E+00	1.27E-01	5.97E+00	3.50E+00	1.35E+02	2.72E+01	6.50E-01	1.67E+02
291	488617.32	3857959.41	42.888	13.0006	219.91	11.2193	3.27E+00	1.39E+02	2.43E+01	6.42E-01	1.67E+02	3.18E+00	5.86E-04	2.43E+00	1.26E-01	5.73E+00	3.56E+00	1.39E+02	2.43E+01	6.42E-01	1.67E+02
292	488667.32	3857959.41	43.1054	13.072	195.87	11.33047	3.29E+00	1.40E+02	2.17E+01	6.48E-01	1.65E+02	3.19E+00	5.89E-04	2.17E+00	1.27E-01	5.48E+00	3.58E+00	1.40E+02	2.17E+01	6.48E-01	1.65E+02
293	488717.32	3857959.41	42.8264	13.0644	174.08	11.11774	3.26E+00	1.39E+02	1.92E+01	6.36E-01	1.63E+02	3.17E+00	5.89E-04	1.92E+00	1.24E-01	5.22E+00	3.56E+00	1.39E+02	1.92E+01	6.36E-01	1.63E+02
294	488767.32	3857959.41	42.2442	12.9065	155.26	10.6621	3.22E+00	1.38E+02	1.72E+01	6.10E-01	1.59E+02	3.13E+00	5.82E-04	1.72E+00	1.19E-01	4.96E+00	3.51E+00	1.38E+02	1.72E+01	6.10E-01	1.59E+02
295	488417.32	3858009.41	45.2494	13.6226	319.44	12.12345	3.45E+00	1.45E+02	3.53E+01	6.93E-01	1.85E+02	3.35E+00	6.14E-04	3.53E+00	1.36E-01	7.02E+00	3.76E+00	1.45E+02	3.53E+01	6.93E-01	1.85E+02
296	488467.32	3858009.41	44.4462	13.0329	278.1	12.01169	3.39E+00	1.39E+02	3.07E+01	6.87E-01	1.74E+02	3.29E+00	5.88E-04	3.07E+00	1.34E-01	6.50E+00	3.69E+00	1.39E+02	3.07E+01	6.87E-01	1.74E+02
297	488517.32	3858009.41	43.4692	12.7633	239.21	11.60124	3.31E+00	1.36E+02	2.64E+01	6.63E-01	1.67E+02	3.22E+00	5.75E-04	2.64E+00	1.30E-01	5.99E+00	3.61E+00	1.36E+02	2.64E+01	6.63E-01	1.67E+02
298	488567.32	3858009.41	42.5963	13.2464	205.66	11.76796	3.25E+00	1.41E+02	2.27E+01	6.73E-01	1.68E+02	3.15E+00	5.97E-04	2.27E+00	1.32E-01	5.56E+00	3.54E+00	1.41E+02	2.27E+01	6.73E-01	1.68E+02
299	488617.32	3858009.41	41.3895	13.4299	178.5	11.64836	3.15E+00	1.43E+02	1.97E+01	6.66E-01	1.67E+02	3.06E+00	6.05E-04	1.97E+00	1.30E-01	5.17E+00	3.44E+00	1.43E+02	1.97E+01	6.66E-01	1.67E+02
300	488667.32	3858009.41	40.9482	13.4225	155.93	11.22628	3.12E+00	1.43E+02	1.72E+01	6.42E-01	1.64E+02	3.03E+00	6.05E-04	1.72E+00	1.26E-01	4.88E+00	3.40E+00	1.43E+02	1.72E+01	6.42E-01	1.65E+02
301	488717.32	3858009.41	41.4976	13.3468	147.44	10.53064	3.16E+00	1.42E+02	1.63E+01	6.02E-01	1.62E+02	3.07E+00	6.02E-04	1.63E+00	1.18E-01	4.82E+00	3.45E+00	1.42E+02	1.63E+01	6.02E-01	1.63E+02

302	488767.32	3858009.41	41.6061	13.2364	138.99	10.68345	3.17E+00	1.41E+02	1.54E+01	6.11E-01	1.60E+02	3.08E+00	5.97E-04	1.54E+00	1.20E-01	4.74E+00	3.45E+00	1.41E+02	1.54E+01	6.11E-01	1.61E+02
303	488417.32	3858059.41	46.912	13.9986	383.06	12.17693	3.58E+00	1.49E+02	4.24E+01	6.96E-01	1.96E+02	3.47E+00	6.31E-04	4.24E+00	1.36E-01	7.85E+00	3.89E+00	1.49E+02	4.24E+01	6.96E-01	1.96E+02
304	488467.32	3858059.41	44.6579	13.3768	323.14	12.26564	3.40E+00	1.43E+02	3.57E+01	7.01E-01	1.83E+02	3.31E+00	6.03E-04	3.57E+00	1.37E-01	7.02E+00	3.71E+00	1.43E+02	3.57E+01	7.01E-01	1.83E+02
305	488517.32	3858059.41	43.1497	13.2557	271.83	12.17706	3.29E+00	1.41E+02	3.01E+01	6.96E-01	1.76E+02	3.19E+00	5.98E-04	3.01E+00	1.36E-01	6.34E+00	3.58E+00	1.41E+02	3.01E+01	6.96E-01	1.76E+02
306	488567.32	3858059.41	42.2024	13.7562	229.61	11.74489	3.22E+00	1.47E+02	2.54E+01	6.72E-01	1.76E+02	3.12E+00	6.20E-04	2.54E+00	1.31E-01	5.80E+00	3.50E+00	1.47E+02	2.54E+01	6.72E-01	1.76E+02
307	488617.32	3858059.41	41.5287	13.9421	195.53	11.03438	3.17E+00	1.49E+02	2.16E+01	6.31E-01	1.74E+02	3.07E+00	6.28E-04	2.16E+00	1.24E-01	5.36E+00	3.45E+00	1.49E+02	2.16E+01	6.31E-01	1.74E+02
308	488667.32	3858059.41	40.6602	13.8636	168.42	11.21171	3.10E+00	1.48E+02	1.86E+01	6.41E-01	1.70E+02	3.01E+00	6.25E-04	1.86E+00	1.26E-01	5.00E+00	3.38E+00	1.48E+02	1.86E+01	6.41E-01	1.71E+02
309	488417.32	3858109.41	47.0346	14.1917	376.22	12.81957	3.59E+00	1.51E+02	4.16E+01	7.33E-01	1.97E+02	3.48E+00	6.40E-04	4.16E+00	1.44E-01	7.79E+00	3.90E+00	1.51E+02	4.16E+01	7.33E-01	1.98E+02
310	488467.32	3858109.41	45.888	13.6068	304.29	12.39157	3.50E+00	1.45E+02	3.36E+01	7.09E-01	1.83E+02	3.40E+00	6.13E-04	3.36E+00	1.39E-01	6.90E+00	3.81E+00	1.45E+02	3.36E+01	7.09E-01	1.83E+02
311	488517.32	3858109.41	43.9999	13.8417	246.25	11.63908	3.35E+00	1.48E+02	2.72E+01	6.66E-01	1.79E+02	3.26E+00	6.24E-04	2.72E+00	1.30E-01	6.11E+00	3.65E+00	1.48E+02	2.72E+01	6.66E-01	1.79E+02
312	488567.32	3858109.41	41.783	14.2226	223.64	11.76416	3.18E+00	1.52E+02	2.47E+01	6.73E-01	1.80E+02	3.09E+00	6.41E-04	2.47E+00	1.32E-01	5.70E+00	3.47E+00	1.52E+02	2.47E+01	6.73E-01	1.81E+02
313	488617.32	3858109.41	41.2068	14.3759	198.8	11.7168	3.14E+00	1.53E+02	2.20E+01	6.70E-01	1.79E+02	3.05E+00	6.48E-04	2.20E+00	1.31E-01	5.38E+00	3.42E+00	1.53E+02	2.20E+01	6.70E-01	1.79E+02
314	488667.32	3858109.41	40.4008	14.2384	176.11	11.47706	3.08E+00	1.52E+02	1.95E+01	6.56E-01	1.75E+02	2.99E+00	6.42E-04	1.95E+00	1.28E-01	5.07E+00	3.35E+00	1.52E+02	1.95E+01	6.56E-01	1.75E+02
315	488769.93	3858449.27	39.2047	18.16	85.091	9.88501	2.99E+00	1.94E+02	9.41E+00	5.65E-01	2.07E+02	2.90E+00	8.19E-04	9.41E-01	1.11E-01	3.95E+00	3.25E+00	1.94E+02	9.41E+00	5.65E-01	2.07E+02
316	488819.93	3858449.27	38.8921	17.879	89.71	11.19962	2.96E+00	1.91E+02	9.92E+00	6.40E-01	2.04E+02	2.88E+00	8.06E-04	9.92E-01	1.25E-01	4.00E+00	3.23E+00	1.91E+02	9.92E+00	6.40E-01	2.05E+02
317	488819.93	3858499.27	38.0658	18.3859	80.132	11.6005	2.90E+00	1.96E+02	8.86E+00	6.63E-01	2.09E+02	2.82E+00	8.29E-04	8.86E-01	1.30E-01	3.83E+00	3.16E+00	1.96E+02	8.86E+00	6.63E-01	2.09E+02
318	488869.93	3858499.27	38.015	17.7403	77.762	11.46905	2.90E+00	1.89E+02	8.60E+00	6.56E-01	2.01E+02	2.81E+00	8.00E-04	8.60E-01	1.28E-01	3.80E+00	3.16E+00	1.89E+02	8.60E+00	6.56E-01	2.02E+02
319	488869.93	3858549.27	36.937	18.0373	76.791	11.25528	2.82E+00	1.92E+02	8.49E+00	6.44E-01	2.04E+02	2.73E+00	8.13E-04	8.49E-01	1.26E-01	3.71E+00	3.07E+00	1.92E+02	8.49E+00	6.44E-01	2.05E+02
320	489438.17	3859571.48	27.6366	22.6478	34.805	7.00018	2.11E+00	2.42E+02	3.85E+00	4.00E-01	2.48E+02	2.05E+00	1.02E-03	3.85E-01	7.84E-02	2.51E+00	2.29E+00	2.42E+02	3.85E+00	4.00E-01	2.48E+02
321	489488.17	3859571.48	27.6243	21.8145	33.217	6.89506	2.11E+00	2.33E+02	3.67E+00	3.94E-01	2.39E+02	2.05E+00	9.83E-04	3.67E-01	7.72E-02	2.49E+00	2.29E+00	2.33E+02	3.67E+00	3.94E-01	2.39E+02
322	489538.17	3859571.48	27.2393	20.9604	30.515	6.78652	2.08E+00	2.24E+02	3.37E+00	3.88E-01	2.30E+02	2.02E+00	9.45E-04	3.37E-01	7.60E-02	2.43E+00	2.26E+00	2.24E+02	3.37E+00	3.88E-01	2.30E+02
323	489588.17	3859571.48	26.4732	20.0718	29.995	6.75538	2.02E+00	2.14E+02	3.32E+00	3.86E-01	2.20E+02	1.96E+00	9.05E-04	3.32E-01	7.56E-02	2.37E+00	2.20E+00	2.14E+02	3.32E+00	3.86E-01	2.20E+02
324	489438.17	3859621.48	26.6936	23.3027	35.391	7.20487	2.03E+00	2.49E+02	3.91E+00	4.12E-01	2.55E+02	1.98E+00	1.05E-03	3.91E-01	8.07E-02	2.45E+00	2.22E+00	2.49E+02	3.91E+00	4.12E-01	2.55E+02
325	489488.17	3859621.48	27.0529	22.5529	34.887	7.10286	2.06E+00	2.41E+02	3.86E+00	4.06E-01	2.47E+02	2.00E+00	1.02E-03	3.86E-01	7.95E-02	2.47E+00	2.25E+00	2.41E+02	3.86E+00	4.06E-01	2.47E+02
326	489538.17	3859621.48	27.0638	21.7948	33.164	6.99617	2.06E+00	2.33E+02	3.67E+00	4.00E-01	2.39E+02	2.00E+00	9.82E-04	3.67E-01	7.83E-02	2.45E+00	2.25E+00	2.33E+02	3.67E+00	4.00E-01	2.39E+02
327	489588.17	3859621.48	26.7484	21.0136	30.597	6.96753	2.04E+00	2.24E+02	3.38E+00	3.98E-01	2.30E+02	1.98E+00	9.47E-04	3.38E-01	7.80E-02	2.40E+00	2.22E+00	2.24E+02	3.38E+00	3.98E-01	2.30E+02
328	489238.17	3859671.48	26.9834	27.7612	34.276	8.23448	2.06E+00	2.96E+02	3.79E+00	4.71E-01	3.03E+02	2.00E+00	1.25E-03	3.79E-01	9.22E-02	2.47E+00	2.24E+00	2.96E+02	3.79E+00	4.71E-01	3.03E+02
329	489288.17	3859671.48	26.6538	26.5486	33.423	8.44544	2.03E+00	2.83E+02	3.70E+00	4.83E-01	2.90E+02	1.97E+00	1.20E-03	3.70E-01	9.45E-02	2.44E+00	2.21E+00	2.83E+02	3.70E+00	4.83E-01	2.90E+02
330	489338.17	3859671.48	25.9339	25.6	33.424	8.46608	1.98E+00	2.73E+02	3.70E+00	4.84E-01	2.79E+02	1.92E+00	1.15E-03	3.70E-01	9.48E-02	2.39E+00	2.15E+00	2.73E+02	3.70E+00	4.84E-01	2.80E+02
331	489388.17	3859671.48	25.6815	24.8072	33.073	8.33315	1.96E+00	2.65E+02	3.66E+00	4.77E-01	2.71E+02	1.90E+00	1.12E-03	3.66E-01	9.33E-02	2.36E+00	2.13E+00	2.65E+02	3.66E+00	4.77E-01	2.71E+02
332	489438.17	3859671.48	25.8725	24.0275	35.071	8.0535	1.97E+00	2.56E+02	3.88E+00	4.61E-01	2.63E+02	1.92E+00	1.08E-03	3.88E-01	9.02E-02	2.39E+00	2.15E+00	2.56E+02	3.88E+00	4.61E-01	2.63E+02
333	489488.17	3859671.48	26.1917	23.205	36.052	7.70492	2.00E+00	2.48E+02	3.99E+00	4.41E-01	2.54E+02	1.94E+00	1.05E-03	3.99E-01	8.63E-02	2.42E+00	2.17E+00	2.48E+02	3.99E+00	4.41E-01	2.54E+02
334	489538.17	3859671.48	26.5812	22.3747	35.479	7.29119	2.03E+00	2.39E+02	3.92E+00	4.17E-01	2.45E+02	1.97E+00	1.01E-03	3.92E-01	8.16E-02	2.44E+00	2.21E+00	2.39E+02	3.92E+00	4.17E-01	2.45E+02
335	489588.17	3859671.48	26.6366	21.6937	33.753	7.23926	2.03E+00	2.32E+02	3.73E+00	4.14E-01	2.38E+02	1.97E+00	9.78E-04	3.73E-01	8.10E-02	2.43E+00	2.21E+00	2.32E+02	3.73E+00	4.14E-01	2.38E+02
336	489238.17	3859721.48	26.395	27.9831	34.645	7.76649	2.01E+00	2.99E+02	3.83E+00	4.44E-01	3.05E+02	1.95E+00	1.26E-03	3.83E-01	8.69E-02	2.43E+00	2.19E+00	2.99E+02	3.83E+00	4.44E-01	3.05E+02
337	489288.17	3859721.48	26.559	27.4106	33.274	7.76306	2.02E+00	2.93E+02	3.68E+00	4.44E-01	2.99E+02	1.97E+00	1.24E-03	3.68E-01	8.69E-02	2.42E+00	2.20E+00	2.93E+02	3.68E+00	4.44E-01	2.99E+02
338	489338.17	3859721.48	26.2414	26.3437	33.094	7.73001	2.00E+00	2.81E+02	3.66E+00	4.42E-01	2.87E+02	1.94E+00	1.19E-03	3.66E-01	8.65E-02	2.40E+00	2.18E+00	2.81E+02	3.66E+00	4.42E-01	2.87E+02
339	489388.17	3859721.48	25.5093	25.2419	32.981	7.67513	1.94E+00	2.69E+02	3.65E+00	4.39E-01	2.75E+02	1.89E+00	1.14E-03	3.65E-01	8.59E-02	2.34E+00	2.12E+00	2.69E+02	3.65E+00	4.39E-01	2.76E+02
340	489438.17	3859721.48	25.2071	24.4846	33.992	7.60369	1.92E+00	2.61E+02	3.76E+00	4.35E-01	2.67E+02	1.87E+00	1.10E-03	3.76E-01	8.51E-02	2.33E+00	2.09E+00	2.61E+02	3.76E+00	4.35E-01	2.68E+02
341	489488.17	3859721.48	25.4783	23.7735	36.146	7.67717	1.94E+00	2.54E+02	4.00E+00	4.39E-01	2.60E+02	1.89E+00	1.07E-03	4.00E-01	8.59E-02	2.37E+00	2.12E+00	2.54E+02	4.00E+00	4.39E-01	2.60E+02
342	489538.17	3859721.48	25.7306	23.0482	36.799	7.61638	1.96E+00	2.46E+02	4.07E+00	4.36E-01	2.52E+02	1.90E+00	1.04E-03	4.07E-01	8.53E-02	2.40E+00	2.14E+00	2.46E+02	4.07E+00	4.36E-01	2.53E+02
343	489588.17	3859721.48	26.1375	22.3008	36.104	7.45087	1.99E+00	2.38E+02	3.99E+00	4.26E-01	2.44E+02	1.94E+00	1.01E-03	3.99E-01	8.34E-02	2.42E+00	2.17E+00	2.38E+02	3.99E+00	4.26E-01	2.45E+02
344	489238.17	3859771.48	25.8822	28.1136	34.774	10.75847	1.97E+00	3.00E+02	3.84E+00	6.15E-01	3.06E+02	1.92E+00	1.27E-03	3.84E-01	1.20E-01	2.42E+00	2.15E+00	3.00E+02	3.84E+00	6.15E-01	3.07E+02
345	489288.17	3859771.48	26.0256	27.8427	33.755	10.2896	1.98E+00	2.97E+02	3.73E+00	5.88E-01	3.03E+02	1.93E+00	1.26E-03	3.73E-01	1.15E-01	2.42E+00	2.16E+00	2.97E+02	3.73E+00	5.88E-01	3.04E+02
346	489338.17	3859771.48	26.0907	27.008	33.396	9.8432	1.99E+00	2.88E+02	3.69E+00	5.63E-01	2.94E+02	1.93E+00	1.22E-03	3.69E-01	1.10E-01	2.41E+00	2.17E+00	2.88E+02	3.69E+00	5.63E-01	2.95E+02
347	489388.17	3859771.48	25.7771	26.0921	32.684	9.44594	1.96E+00	2.78E+02	3.61E+00	5.40E-01	2.85E+02	1.91E+00	1.18E-03	3.61E-01	1.06E-01	2.38E+00	2.14E+00	2.78E+02	3.61E+00	5.40E-01	2.85E+02
348	489438.17	3859771.48	25.0268	25.1094	32.464	9.07336	1.91E+00	2.68E+02	3.59E+00	5.19E-01	2.74E+02	1.85E+00	1.13E-03	3.59E-01	1.02E-01	2.31E+00	2.08E+00	2.68E+02	3.59E+00	5.19E-01	2.74E+02
349	489488.17	3859771.48	24.8356	24.0989	35.353	8.77013	1.89E+00	2.57E+02	3.91E+00	5.02E-01	2.63E+02	1.84E+00	1.09E-03	3.91E-01	9.82E-02	2.33E+00	2.06E+00	2.57E+02	3.91E+00	5.02E-01	2.64E+02
350	489538.17	3859771.48	25.1173	23.444	37.28	8.49027	1.91E+00	2.50E+02	4.12E+00	4.86E-01	2.57E+02	1.86E+00	1.06E-03	4.12E-01	9.50E-02	2.37E+00	2.09E+00	2.50E+02	4.12E+00	4.86E-01	2.57E+02
351	489588.17	3859771.48	25.2864	22.8369	37.497	8.21602	1.93E+00	2.44E+02	4.15E+00	4.70E-01	2.50E+02	1.87E+00	1.03E-03	4.15E-01	9.20E-02	2.38E+00	2.10E+00	2.44E+02	4.15E+00	4.70E-01	2.50E+02
352	489238.17	3859821.48	25.4678	27.5208	34.645	18.20056	1.94E+00	2.94E+02	3.83E+00	1.04E+00	3.01E+02	1.89E+00	1.24E-03	3.83E-01	2.04E-01	2.47E+00	2.11E+00	2.94E+02	3.83E+00	1.04E+00	3.01E+02
353	489288.17	3859821.48	25.4874	27.6265	33.986	17.20438	1.94E+00	2.95E+02	3.76E+00	9.84E-01	3.02E+02	1.89E+00	1.25E-03	3.76E-01	1.93E-01	2.46E+00	2.12E+00	2.95E+02	3.76E+00	9.84E-01	3.02E+02
354	489338.17	3859821.48	25.5987	27.1716	33.791	16.27594	1.95E+00	2.90E+02	3.74E+00	9.31E-01	2.97E+02	1.90E+00	1.22E-03	3.74E-01	1.82E-01	2.45E+00	2.13E+00	2.90E+02	3.74E+00	9.31E-01	2.97E+02
355	489388.17	3859821.48	25.6672	26.5408	33.76	15.44013	1.96E+00	2.83E+02	3.73E+00	8.83E-01	2.90E+02	1.90E+00	1.20E-03	3.73E-01	1.73E-01	2.45E+00	2.13E+00	2.83E+02	3.73E+00	8.83E-01	2.90E+02
356	489438.17	3859821.48	25.3991	25.7934	32.547	14.7075	1.94E+00	2.75E+02	3.60E+00	8.41E-01	2.82E+02	1.88E+00	1.16E-03	3.60E-01	1.65E-01	2.41E+00	2.11E+00	2.75E+02	3.60E+00	8.41E-01	2.82E+02
357	489488.17	3859821.48	24.7285	24.9444	33.944	14.04014	1.88E+00	2.66E+02	3.75E+00	8.03E-01	2.73E+02	1.83E+00	1.12E-03	3.75E-01	1.57E-01	2.36E+00	2.05E+00	2.66E+02	3.75E+00	8.03E-01	2.73E+02
358	489538.17	3859821.48	24.4993	24.0179	36.844	13.43544	1.87E+00	2.56E+02	4.07E+00	7.68E-01	2.63E+02	1.81E+00	1.08E-03	4.07E-01	1.50E-01	2.37E+00	2.03E+00	2.56E+02	4.07E+00	7.68E-01	2.63E+02
359	489588.17	3859821.48	24.7365	23.0722	38.16	12.84809	1.89E+00	2.46E+02	4.22E+00	7.35E-01	2.53E+02	1.83E+00	1.04E-03	4.22E-01	1.44E-01	2.40E+00	2.05E+00	2.46E+02	4.22E+00	7.35E-01	2.53E+02
360	489238.17	3859871.48	24.7622	26.268	34.322	22.95102	1.89E+00	2.80E+02	3.79E+00	1.31E+00	2.87E+02	1.83E+00	1.18E-03	3.79E-01	2.57E-01	2.47E+00	2.06E+00	2.80E+02	3.79E+00	1.31E+00	2.87E+02
361	489288.17	3859871.48	25.1019	26.3501	33.968	21.90862	1.91E+00	2.81E+02	3.76E+00	1.25E+00	2.88E+02	1.86E+00	1.19E-03	3.76E-01	2.45E-01	2.48E+00	2.08E+00	2.81E+02	3.76E+00	1.25E+00	2.88E+02
362	489338.17	3859871.48	25.0518	26.6583	33.295	20.92441	1.91E+00	2.84E+02	3.68E+00	1.20E+00	2.91E+02	1.85E+00	1.20E-03	3.68E-01	2.34E-01	2.46E+00	2.08E+00	2.84E+02	3.68E+00	1.20E+00	2.91E+02

363	489388.17	3859871.48	25.2542	26.43	34.601	20.02256	1.92E+00	2.82E+02	3.83E+00	1.14E+00	2.89E+02	1.87E+00	1.19E-03	3.83E-01	2.24E-01	2.48E+00	2.10E+00	2.82E+02	3.83E+00	1.14E+00	2.89E+02
364	489438.17	3859871.48	25.4037	25.98	34.77	19.22424	1.94E+00	2.77E+02	3.84E+00	1.10E+00	2.84E+02	1.88E+00	1.17E-03	3.84E-01	2.15E-01	2.48E+00	2.11E+00	2.77E+02	3.84E+00	1.10E+00	2.84E+02
365	489488.17	3859871.48	25.1906	25.3024	33.946	18.51276	1.92E+00	2.70E+02	3.75E+00	1.06E+00	2.77E+02	1.86E+00	1.14E-03	3.75E-01	2.07E-01	2.45E+00	2.09E+00	2.70E+02	3.75E+00	1.06E+00	2.77E+02
366	489538.17	3859871.48	24.4377	24.6474	35.833	17.70452	1.86E+00	2.63E+02	3.96E+00	1.01E+00	2.70E+02	1.81E+00	1.11E-03	3.96E-01	1.98E-01	2.40E+00	2.03E+00	2.63E+02	3.96E+00	1.01E+00	2.70E+02
367	489588.17	3859871.48	24.1657	23.8521	38.268	16.99013	1.84E+00	2.55E+02	4.23E+00	9.72E-01	2.62E+02	1.79E+00	1.08E-03	4.23E-01	1.90E-01	2.40E+00	2.01E+00	2.55E+02	4.23E+00	9.72E-01	2.62E+02
368	489238.17	3859921.48	23.8235	24.7016	33.836	21.75762	1.82E+00	2.64E+02	3.74E+00	1.24E+00	2.70E+02	1.76E+00	1.11E-03	3.74E-01	2.44E-01	2.38E+00	1.98E+00	2.64E+02	3.74E+00	1.24E+00	2.71E+02
369	489288.17	3859921.48	24.5284	25.1658	33.853	21.47234	1.87E+00	2.69E+02	3.74E+00	1.23E+00	2.75E+02	1.82E+00	1.13E-03	3.74E-01	2.40E-01	2.43E+00	2.04E+00	2.69E+02	3.74E+00	1.23E+00	2.76E+02
370	489338.17	3859921.48	24.8269	25.4849	33.335	21.08692	1.89E+00	2.72E+02	3.69E+00	1.21E+00	2.79E+02	1.84E+00	1.15E-03	3.69E-01	2.36E-01	2.44E+00	2.06E+00	2.72E+02	3.69E+00	1.21E+00	2.79E+02
371	489388.17	3859921.48	24.8161	25.5991	35.173	20.69915	1.89E+00	2.73E+02	3.89E+00	1.18E+00	2.80E+02	1.84E+00	1.15E-03	3.89E-01	2.32E-01	2.46E+00	2.06E+00	2.73E+02	3.89E+00	1.18E+00	2.80E+02
372	489438.17	3859921.48	25.1253	25.4188	36.792	20.34993	1.92E+00	2.71E+02	4.07E+00	1.16E+00	2.78E+02	1.86E+00	1.15E-03	4.07E-01	2.28E-01	2.50E+00	2.09E+00	2.71E+02	4.07E+00	1.16E+00	2.79E+02
373	489488.17	3859921.48	25.188	25.1498	36.173	19.88466	1.92E+00	2.68E+02	4.00E+00	1.14E+00	2.75E+02	1.86E+00	1.13E-03	4.00E-01	2.23E-01	2.49E+00	2.09E+00	2.68E+02	4.00E+00	1.14E+00	2.76E+02
374	489538.17	3859921.48	24.8345	24.7735	34.833	19.35631	1.89E+00	2.64E+02	3.85E+00	1.11E+00	2.71E+02	1.84E+00	1.12E-03	3.85E-01	2.17E-01	2.44E+00	2.06E+00	2.64E+02	3.85E+00	1.11E+00	2.71E+02
375	489588.17	3859921.48	24.176	24.1081	37.963	18.89799	1.84E+00	2.57E+02	4.20E+00	1.08E+00	2.64E+02	1.79E+00	1.09E-03	4.20E-01	2.12E-01	2.42E+00	2.01E+00	2.57E+02	4.20E+00	1.08E+00	2.65E+02
376	489238.17	3859971.48	22.676	23.7813	33.453	20.72324	1.73E+00	2.54E+02	3.70E+00	1.19E+00	2.60E+02	1.68E+00	1.07E-03	3.70E-01	2.32E-01	2.28E+00	1.88E+00	2.54E+02	3.70E+00	1.19E+00	2.61E+02
377	489288.17	3859971.48	23.6178	23.726	33.483	19.6197	1.80E+00	2.53E+02	3.70E+00	1.12E+00	2.60E+02	1.75E+00	1.07E-03	3.70E-01	2.20E-01	2.34E+00	1.96E+00	2.53E+02	3.70E+00	1.12E+00	2.60E+02
378	489338.17	3859971.48	24.2787	23.9027	33.321	18.44239	1.85E+00	2.55E+02	3.68E+00	1.05E+00	2.62E+02	1.80E+00	1.08E-03	3.68E-01	2.06E-01	2.37E+00	2.02E+00	2.55E+02	3.68E+00	1.05E+00	2.62E+02
379	489388.17	3859971.48	24.6469	24.1421	35.08	17.28603	1.88E+00	2.58E+02	3.88E+00	9.88E-01	2.64E+02	1.82E+00	1.09E-03	3.88E-01	1.94E-01	2.41E+00	2.05E+00	2.58E+02	3.88E+00	9.88E-01	2.65E+02
380	489438.17	3859971.48	24.6981	24.0942	38.187	17.60941	1.88E+00	2.57E+02	4.22E+00	1.01E+00	2.64E+02	1.83E+00	1.09E-03	4.22E-01	1.97E-01	2.45E+00	2.05E+00	2.57E+02	4.22E+00	1.01E+00	2.64E+02
381	489488.17	3859971.48	25.0805	23.5857	39.34	17.98645	1.91E+00	2.52E+02	4.35E+00	1.03E+00	2.59E+02	1.86E+00	1.06E-03	4.35E-01	2.01E-01	2.49E+00	2.08E+00	2.52E+02	4.35E+00	1.03E+00	2.59E+02
382	489538.17	3859971.48	25.1811	23.1558	37.525	18.17374	1.92E+00	2.47E+02	4.15E+00	1.04E+00	2.54E+02	1.86E+00	1.04E-03	4.15E-01	2.03E-01	2.48E+00	2.09E+00	2.47E+02	4.15E+00	1.04E+00	2.54E+02
383	489588.17	3859971.48	24.8677	22.6986	37.107	18.23763	1.90E+00	2.42E+02	4.10E+00	1.04E+00	2.49E+02	1.84E+00	1.02E-03	4.10E-01	2.04E-01	2.46E+00	2.06E+00	2.42E+02	4.10E+00	1.04E+00	2.49E+02
384	483577.7	3854071	70.4322	7.60546	24.537	8.06988	5.37E+00	8.12E+01	2.71E+00	4.61E-01	8.97E+01	5.21E+00	3.43E-04	2.71E-01	9.03E-02	5.58E+00	5.85E+00	8.12E+01	2.71E+00	4.61E-01	9.02E+01
385	483627.7	3854071	71.6326	7.18268	24.204	7.18663	5.46E+00	7.67E+01	2.68E+00	4.11E-01	8.52E+01	5.30E+00	3.24E-04	2.68E-01	8.04E-02	5.65E+00	5.95E+00	7.67E+01	2.68E+00	4.11E-01	8.57E+01
386	483677.7	3854071	71.7928	6.87717	23.812	6.41007	5.47E+00	7.34E+01	2.63E+00	3.67E-01	8.19E+01	5.32E+00	3.10E-04	2.63E-01	7.18E-02	5.65E+00	5.96E+00	7.34E+01	2.63E+00	3.67E-01	8.24E+01
387	483727.7	3854071	70.5946	6.90626	23.365	6.93654	5.38E+00	7.37E+01	2.58E+00	3.97E-01	8.21E+01	5.23E+00	3.11E-04	2.58E-01	7.76E-02	5.56E+00	5.86E+00	7.37E+01	2.58E+00	3.97E-01	8.25E+01
388	483777.7	3854071	74.3403	6.72222	22.862	7.56302	5.67E+00	7.17E+01	2.53E+00	4.32E-01	8.04E+01	5.50E+00	3.03E-04	2.53E-01	8.47E-02	5.84E+00	6.17E+00	7.17E+01	2.53E+00	4.32E-01	8.09E+01
389	483577.7	3854121	71.8928	7.83114	25.089	7.74628	5.48E+00	8.36E+01	2.77E+00	4.43E-01	9.23E+01	5.32E+00	3.53E-04	2.77E-01	8.67E-02	5.69E+00	5.97E+00	8.36E+01	2.77E+00	4.43E-01	9.28E+01
390	483627.7	3854121	72.5981	7.32928	24.816	6.65824	5.53E+00	7.82E+01	2.74E+00	3.81E-01	8.69E+01	5.37E+00	3.30E-04	2.74E-01	7.45E-02	5.72E+00	6.03E+00	7.82E+01	2.74E+00	3.81E-01	8.74E+01
391	483677.7	3854121	73.8229	6.73953	24.481	6.64537	5.63E+00	7.19E+01	2.71E+00	3.80E-01	8.06E+01	5.47E+00	3.04E-04	2.71E-01	7.44E-02	5.81E+00	6.13E+00	7.19E+01	2.71E+00	3.80E-01	8.11E+01
392	483727.7	3854121	73.7326	6.37351	24.087	7.31736	5.62E+00	6.80E+01	2.66E+00	4.18E-01	7.67E+01	5.46E+00	2.87E-04	2.66E-01	8.19E-02	5.81E+00	6.12E+00	6.80E+01	2.66E+00	4.18E-01	7.72E+01
393	483777.7	3854121	76.8758	6.33014	23.64	7.92758	5.86E+00	6.76E+01	2.61E+00	4.53E-01	7.65E+01	5.69E+00	2.85E-04	2.61E-01	8.87E-02	6.04E+00	6.38E+00	6.76E+01	2.61E+00	4.53E-01	7.70E+01
394	483577.7	3854171	77.7107	7.79336	25.564	7.63464	5.92E+00	8.32E+01	2.83E+00	4.37E-01	9.24E+01	5.75E+00	3.51E-04	2.83E-01	8.55E-02	6.12E+00	6.45E+00	8.32E+01	2.83E+00	4.37E-01	9.29E+01
395	483627.7	3854171	74.8656	7.17578	25.356	6.66095	5.71E+00	7.66E+01	2.80E+00	3.81E-01	8.55E+01	5.54E+00	3.23E-04	2.80E-01	7.46E-02	5.90E+00	6.22E+00	7.66E+01	2.80E+00	3.81E-01	8.60E+01
396	483677.7	3854171	74.5114	6.6314	25.089	6.95677	5.68E+00	7.08E+01	2.77E+00	3.98E-01	7.96E+01	5.52E+00	2.99E-04	2.77E-01	7.79E-02	5.87E+00	6.19E+00	7.08E+01	2.77E+00	3.98E-01	8.01E+01
397	483727.7	3854171	80.4923	6.13372	24.761	7.53119	6.14E+00	6.55E+01	2.74E+00	4.31E-01	7.48E+01	5.96E+00	2.76E-04	2.74E-01	8.43E-02	6.32E+00	6.68E+00	6.55E+01	2.74E+00	4.31E-01	7.53E+01
398	483777.7	3854171	81.0804	5.92558	24.372	8.23766	6.18E+00	6.32E+01	2.69E+00	4.71E-01	7.26E+01	6.00E+00	2.67E-04	2.69E-01	9.22E-02	6.36E+00	6.73E+00	6.32E+01	2.69E+00	4.71E-01	7.31E+01
399	483827.7	3854171	80.0377	5.63177	23.921	8.9837	6.10E+00	6.01E+01	2.64E+00	5.14E-01	6.94E+01	5.93E+00	2.54E-04	2.64E-01	1.01E-01	6.29E+00	6.64E+00	6.01E+01	2.64E+00	5.14E-01	6.99E+01
400	483877.7	3854171	82.25	5.49577	23.418	9.72369	6.27E+00	5.86E+01	2.59E+00	5.56E-01	6.81E+01	6.09E+00	2.48E-04	2.59E-01	1.09E-01	6.46E+00	6.83E+00	5.86E+01	2.59E+00	5.56E-01	6.86E+01
401	483727.7	3854221	81.2766	6.152	25.374	7.69547	6.19E+00	6.57E+01	2.81E+00	4.40E-01	7.51E+01	6.02E+00	2.77E-04	2.81E-01	8.61E-02	6.38E+00	6.75E+00	6.57E+01	2.81E+00	4.40E-01	7.56E+01
402	483777.7	3854221	83.9074	5.60227	25.05	8.45302	6.40E+00	5.98E+01	2.77E+00	4.83E-01	6.94E+01	6.21E+00	2.53E-04	2.77E-01	9.46E-02	6.58E+00	6.97E+00	5.98E+01	2.77E+00	4.83E-01	7.00E+01
403	483827.7	3854221	83.789	5.66748	24.668	8.99433	6.39E+00	6.05E+01	2.73E+00	5.14E-01	7.01E+01	6.20E+00	2.55E-04	2.73E-01	1.01E-01	6.58E+00	6.96E+00	6.05E+01	2.73E+00	5.14E-01	7.07E+01
404	483877.7	3854221	82.6599	5.42132	24.22	9.77444	6.30E+00	5.79E+01	2.68E+00	5.59E-01	6.74E+01	6.12E+00	2.44E-04	2.68E-01	1.09E-01	6.50E+00	6.86E+00	5.79E+01	2.68E+00	5.59E-01	6.80E+01
405	489150.19	3858726.45	34.083	14.2919	65.909	9.60937	2.60E+00	1.53E+02	7.29E+00	5.49E-01	1.63E+02	2.52E+00	6.44E-04	7.29E-01	1.08E-01	3.36E+00	2.83E+00	1.53E+02	7.29E+00	5.49E-01	1.63E+02
406	489200.19	3858726.45	33.7417	13.8355	64.502	8.00348	2.57E+00	1.48E+02	7.13E+00	4.58E-01	1.58E+02	2.50E+00	6.24E-04	7.13E-01	8.96E-02	3.30E+00	2.80E+00	1.48E+02	7.13E+00	4.58E-01	1.58E+02
407	489150.19	3858776.45	32.853	14.7962	59.926	8.97719	2.50E+00	1.58E+02	6.63E+00	5.13E-01	1.68E+02	2.43E+00	6.67E-04	6.63E-01	1.00E-01	3.20E+00	2.73E+00	1.58E+02	6.63E+00	5.13E-01	1.68E+02
408	489200.19	3858776.45	33.2633	14.3009	62.155	7.31086	2.54E+00	1.53E+02	6.87E+00	4.18E-01	1.62E+02	2.46E+00	6.45E-04	6.87E-01	8.18E-02	3.23E+00	2.76E+00	1.53E+02	6.87E+00	4.18E-01	1.63E+02
409	488919.6	3856400.76	19.165	5.31744	56.751	5.83486	1.46E+00	5.67E+01	6.27E+00	3.34E-01	6.48E+01	1.42E+00	2.40E-04	6.27E-01	6.53E-02	2.11E+00	1.59E+00	5.67E+01	6.27E+00	3.34E-01	6.49E+01
410	488919.6	3856450.76	19.4313	5.45228	58.592	5.68474	1.48E+00	5.82E+01	6.48E+00	3.25E-01	6.65E+01	1.44E+00	2.46E-04	6.48E-01	6.36E-02	2.15E+00	1.61E+00	5.82E+01	6.48E+00	3.25E-01	6.66E+01
411	488969.6	3856450.76	19.2007	5.45477	59.406	5.64481	1.46E+00	5.82E+01	6.57E+00	3.23E-01	6.66E+01	1.42E+00	2.46E-04	6.57E-01	6.32E-02	2.14E+00	1.59E+00	5.82E+01	6.57E+00	3.23E-01	6.67E+01
412	488919.6	3856500.76	19.7011	5.56759	60.131	5.51005	1.50E+00	5.94E+01	6.65E+00	3.15E-01	6.79E+01	1.46E+00	2.51E-04	6.65E-01	6.17E-02	2.19E+00	1.64E+00	5.94E+01	6.65E+00	3.15E-01	6.80E+01
413	488969.6	3856500.76	19.4667	5.56926	60.236	5.47293	1.48E+00	5.94E+01	6.66E+00	3.13E-01	6.79E+01	1.44E+00	2.51E-04	6.66E-01	6.13E-02	2.17E+00	1.62E+00	5.94E+01	6.66E+00	3.13E-01	6.80E+01
414	488919.6	3856550.76	19.9815	5.66053	61.306	5.31414	1.52E+00	6.04E+01	6.78E+00	3.04E-01	6.90E+01	1.48E+00	2.55E-04	6.78E-01	5.95E-02	2.22E+00	1.66E+00	6.04E+01	6.78E+00	3.04E-01	6.91E+01
415	488969.6	3856550.76	19.7364	5.6597	60.628	5.27835	1.50E+00	6.04E+01	6.70E+00	3.02E-01	6.89E+01	1.46E+00	2.55E-04	6.70E-01	5.91E-02	2.19E+00	1.64E+00	6.04E+01	6.70E+00	3.02E-01	6.90E+01
416	488819.6	3856600.76	20.7787	5.73009	60.657	5.16286	1.58E+00	6.11E+01	6.71E+00	2.95E-01	6.97E+01	1.54E+00	2.58E-04	6.71E-01	5.78E-02	2.27E+00	1.73E+00	6.12E+01	6.71E+00	2.95E-01	6.99E+01
417	488869.6	3856600.76	20.5115	5.72776	62.109	5.12943	1.56E+00	6.11E+01	6.87E+00	2.93E-01	6.98E+01	1.52E+00	2.58E-04	6.87E-01	5.74E-02	2.26E+00	1.70E+00	6.11E+01	6.87E+00	2.93E-01	7.00E+01
418	488919.6	3856600.76	20.2486	5.72606	62.039	5.09713	1.54E+00	6.11E+01	6.86E+00	2.91E-01	6.98E+01	1.50E+00	2.58E-04	6.86E-01	5.71E-02	2.24E+00	1.68E+00	6.11E+01	6.86E+00	2.91E-01	6.99E+01
419	488819.6	3856650.76	21.0613	5.77032	62.591	4.92318	1.61E+00	6.16E+01	6.92E+00	2.82E-01	7.04E+01	1.56E+00	2.60E-04	6.92E-01	5.51E-02	2.31E+00	1.75E+00	6.16E+01	6.92E+00	2.82E-01	7.05E+01
420	488869.6	3856650.76	20.7866	5.76557	63.219	4.89295	1.58E+00	6.15E+01	6.99E+00	2.80E-01	7.04E+01	1.54E+00	2.60E-04	6.99E-01	5.48E-02	2.29E+00	1.73E+00	6.15E+01	6.99E+00	2.80E-01	7.05E+01
421	488819.6	3856700.76	21.3418	5.7764	64.11	4.84528	1.63E+00	6.16E+01	7.09E+00	2.77E-01	7.06E+01	1.58E+00	2.60E-04	7.09E-01	5.42E-02	2.34E+00	1.77E+00	6.16E+01	7.09E+00	2.77E-01	7.08E+01
422	488869.6	3856700.76	21.0622	5.76886	63.816	4.82167	1.61E+00	6.16E+01	7.06E+00	2.76E-01	7.05E+01	1.56E+00	2.60E-04	7.06E-01	5.40E-02	2.32E+00	1.75E+00	6.16E+01	7.06E+00	2.76E-01	7.06E+01
423	488819.6	3856750.76	21.6335	5.90313	65.113	4.81987	1.65E+00	6.30E+01	7.20E+00	2.76E-01	7.21E+01	1.60E+00	2.66E-04	7.20E-01	5.40E-02	2.38E+00	1.80E+00	6.30E+01	7.20E+00	2.76E-01	7.23E+01

424	488869.6	3856750.76	21.3333	5.99449	63.826	4.74903	1.63E+00	6.40E+01	7.06E+00	2.72E-01	7.29E+01	1.58E+00	2.70E-04	7.06E-01	5.32E-02	2.34E+00	1.77E+00	6.40E+01	7.06E+00	2.72E-01	7.31E+01
425	488819.6	3857050.76	23.7468	7.36896	55.928	7.39727	1.81E+00	7.86E+01	6.18E+00	4.23E-01	8.71E+01	1.76E+00	3.32E-04	6.18E-01	8.28E-02	2.46E+00	1.97E+00	7.86E+01	6.18E+00	4.23E-01	8.72E+01
426	488869.6	3857050.76	23.3489	7.35474	56.921	7.20248	1.78E+00	7.85E+01	6.29E+00	4.12E-01	8.70E+01	1.73E+00	3.32E-04	6.29E-01	8.06E-02	2.44E+00	1.94E+00	7.85E+01	6.29E+00	4.12E-01	8.71E+01
427	488919.6	3857050.76	22.9732	7.61938	67.994	7.84627	1.75E+00	8.13E+01	7.52E+00	4.49E-01	9.10E+01	1.70E+00	3.43E-04	7.52E-01	8.78E-02	2.54E+00	1.91E+00	8.13E+01	7.52E+00	4.49E-01	9.12E+01
428	488819.6	3857100.76	24.3839	7.59942	58.028	7.45741	1.86E+00	8.11E+01	6.42E+00	4.26E-01	8.98E+01	1.81E+00	3.43E-04	6.42E-01	8.35E-02	2.53E+00	2.02E+00	8.11E+01	6.42E+00	4.26E-01	9.00E+01
429	488869.6	3857100.76	23.8872	7.64953	71.045	8.14356	1.82E+00	8.16E+01	7.85E+00	4.66E-01	9.18E+01	1.77E+00	3.45E-04	7.85E-01	9.12E-02	2.65E+00	1.98E+00	8.16E+01	7.85E+00	4.66E-01	9.19E+01
430	488919.6	3857100.76	23.3718	7.9465	78.591	8.45403	1.78E+00	8.48E+01	8.69E+00	4.83E-01	9.58E+01	1.73E+00	3.58E-04	8.69E-01	9.46E-02	2.69E+00	1.94E+00	8.48E+01	8.69E+00	4.83E-01	9.59E+01
431	488819.6	3857150.76	24.9623	7.82683	74.108	8.4263	1.90E+00	8.35E+01	8.19E+00	4.82E-01	9.41E+01	1.85E+00	3.53E-04	8.19E-01	9.43E-02	2.76E+00	2.07E+00	8.35E+01	8.19E+00	4.82E-01	9.43E+01
432	488869.6	3857150.76	24.4627	8.03554	83.33	8.76435	1.86E+00	8.58E+01	9.21E+00	5.01E-01	9.73E+01	1.81E+00	3.62E-04	9.21E-01	9.81E-02	2.83E+00	2.03E+00	8.58E+01	9.21E+00	5.01E-01	9.75E+01
433	488919.6	3857150.76	23.9814	8.243	85.022	8.73242	1.83E+00	8.80E+01	9.40E+00	4.99E-01	9.97E+01	1.78E+00	3.72E-04	9.40E-01	9.78E-02	2.81E+00	1.99E+00	8.80E+01	9.40E+00	4.99E-01	9.99E+01
434	488969.6	3857150.76	23.5059	8.33687	79.815	8.36401	1.79E+00	8.90E+01	8.82E+00	4.78E-01	1.00E+02	1.74E+00	3.76E-04	8.82E-01	9.36E-02	2.72E+00	1.95E+00	8.90E+01	8.82E+00	4.78E-01	1.00E+02
435	488819.6	3857200.76	25.4791	8.06213	88.385	9.08602	1.94E+00	8.60E+01	9.77E+00	5.20E-01	9.83E+01	1.89E+00	3.63E-04	9.77E-01	1.02E-01	2.97E+00	2.12E+00	8.60E+01	9.77E+00	5.20E-01	9.84E+01
436	488869.6	3857200.76	24.9816	8.40382	90.933	9.02233	1.90E+00	8.97E+01	1.01E+01	5.16E-01	1.02E+02	1.85E+00	3.79E-04	1.01E+00	1.01E-01	2.96E+00	2.07E+00	8.97E+01	1.01E+01	5.16E-01	1.02E+02
437	488919.6	3857200.76	24.5044	8.57511	85.258	8.62133	1.87E+00	9.15E+01	9.43E+00	4.93E-01	1.03E+02	1.81E+00	3.87E-04	9.43E-01	9.65E-02	2.85E+00	2.03E+00	9.15E+01	9.43E+00	4.93E-01	1.03E+02
438	488969.6	3857200.76	24.0546	8.59606	73.92	7.93144	1.83E+00	9.17E+01	8.17E+00	4.54E-01	1.02E+02	1.78E+00	3.87E-04	8.17E-01	8.88E-02	2.69E+00	2.00E+00	9.17E+01	8.17E+00	4.54E-01	1.02E+02
439	488819.6	3857250.76	25.9771	8.42601	97.363	9.3673	1.98E+00	8.99E+01	1.08E+01	5.36E-01	1.03E+02	1.92E+00	3.80E-04	1.08E+00	1.05E-01	3.10E+00	2.16E+00	8.99E+01	1.08E+01	5.36E-01	1.03E+02
440	488869.6	3857250.76	25.48	8.71095	91.247	8.92042	1.94E+00	9.30E+01	1.01E+01	5.10E-01	1.06E+02	1.89E+00	3.93E-04	1.01E+00	9.99E-02	3.00E+00	2.12E+00	9.30E+01	1.01E+01	5.10E-01	1.06E+02
441	488919.6	3857250.76	25.0056	8.84721	78.388	8.14946	1.91E+00	9.44E+01	8.67E+00	4.66E-01	1.05E+02	1.85E+00	3.99E-04	8.67E-01	9.12E-02	2.81E+00	2.08E+00	9.44E+01	8.67E+00	4.66E-01	1.06E+02
442	488969.6	3857250.76	24.5435	8.86724	74.482	7.16904	1.87E+00	9.46E+01	8.23E+00	4.10E-01	1.05E+02	1.82E+00	4.00E-04	8.23E-01	8.03E-02	2.72E+00	2.04E+00	9.46E+01	8.23E+00	4.10E-01	1.05E+02
443	488819.6	3857300.76	26.4374	8.81803	97.751	9.20689	2.02E+00	9.41E+01	1.08E+01	5.26E-01	1.07E+02	1.96E+00	3.98E-04	1.08E+00	1.03E-01	3.14E+00	2.19E+00	9.41E+01	1.08E+01	5.26E-01	1.08E+02
444	488869.6	3857300.76	25.9359	9.04695	83.104	8.37664	1.98E+00	9.65E+01	9.19E+00	4.79E-01	1.08E+02	1.92E+00	4.08E-04	9.19E-01	9.38E-02	2.93E+00	2.15E+00	9.65E+01	9.19E+00	4.79E-01	1.08E+02
445	488919.6	3857300.76	25.4452	9.16123	80.759	7.31475	1.94E+00	9.78E+01	8.93E+00	4.18E-01	1.09E+02	1.88E+00	4.13E-04	8.93E-01	8.19E-02	2.86E+00	2.11E+00	9.78E+01	8.93E+00	4.18E-01	1.09E+02
446	488819.6	3857450.76	29.2926	9.85468	103.04	6.82546	2.23E+00	1.05E+02	1.14E+01	3.90E-01	1.19E+02	2.17E+00	4.44E-04	1.14E+00	7.64E-02	3.38E+00	2.43E+00	1.05E+02	1.14E+01	3.90E-01	1.19E+02
447	488869.6	3857450.76	28.3809	9.92424	94.739	6.7269	2.16E+00	1.06E+02	1.05E+01	3.85E-01	1.19E+02	2.10E+00	4.47E-04	1.05E+00	7.53E-02	3.22E+00	2.36E+00	1.06E+02	1.05E+01	3.85E-01	1.19E+02
448	488919.6	3857450.76	27.4359	9.97361	80.922	7.09598	2.09E+00	1.06E+02	8.95E+00	4.06E-01	1.18E+02	2.03E+00	4.50E-04	8.95E-01	7.94E-02	3.01E+00	2.28E+00	1.06E+02	8.95E+00	4.06E-01	1.18E+02
449	488819.6	3857500.76	30.4334	10.1253	96.006	6.61665	2.32E+00	1.08E+02	1.06E+01	3.78E-01	1.21E+02	2.25E+00	4.56E-04	1.06E+00	7.41E-02	3.39E+00	2.53E+00	1.08E+02	1.06E+01	3.78E-01	1.22E+02
450	488869.6	3857500.76	29.5236	10.2187	78.971	6.90529	2.25E+00	1.09E+02	8.73E+00	3.95E-01	1.20E+02	2.19E+00	4.61E-04	8.73E-01	7.73E-02	3.14E+00	2.45E+00	1.09E+02	8.73E+00	3.95E-01	1.21E+02
451	488919.6	3857500.76	28.6226	10.2165	85.857	7.2518	2.18E+00	1.09E+02	9.49E+00	4.15E-01	1.21E+02	2.12E+00	4.61E-04	9.49E-01	8.12E-02	3.15E+00	2.38E+00	1.09E+02	9.49E+00	4.15E-01	1.21E+02
452	488819.6	3857550.76	31.386	10.4259	88.264	6.63959	2.39E+00	1.11E+02	9.76E+00	3.80E-01	1.24E+02	2.32E+00	4.70E-04	9.76E-01	7.43E-02	3.37E+00	2.61E+00	1.11E+02	9.76E+00	3.80E-01	1.24E+02
453	488869.6	3857550.76	30.5399	10.4583	100.36	7.08138	2.33E+00	1.12E+02	1.11E+01	4.05E-01	1.25E+02	2.26E+00	4.71E-04	1.11E+00	7.93E-02	3.45E+00	2.54E+00	1.12E+02	1.11E+01	4.05E-01	1.26E+02
454	488919.6	3857550.76	29.6671	10.447	105.33	7.40248	2.26E+00	1.11E+02	1.16E+01	4.23E-01	1.26E+02	2.20E+00	4.71E-04	1.16E+00	8.29E-02	3.44E+00	2.46E+00	1.11E+02	1.16E+01	4.23E-01	1.26E+02
455	489663.71	3860900.05	18.853	25.2818	32.593	14.65044	1.44E+00	2.70E+02	3.60E+00	8.38E-01	2.76E+02	1.40E+00	1.14E-03	3.60E-01	1.64E-01	1.92E+00	1.57E+00	2.70E+02	3.60E+00	8.38E-01	2.76E+02
456	489813.71	3860900.05	18.2843	22.1391	32.711	11.11245	1.39E+00	2.36E+02	3.62E+00	6.35E-01	2.42E+02	1.35E+00	9.98E-04	3.62E-01	1.24E-01	1.84E+00	1.52E+00	2.36E+02	3.62E+00	6.35E-01	2.42E+02
457	489863.71	3860900.05	18.2005	20.989	32.104	11.04601	1.39E+00	2.24E+02	3.55E+00	6.32E-01	2.30E+02	1.35E+00	9.46E-04	3.55E-01	1.24E-01	1.83E+00	1.51E+00	2.24E+02	3.55E+00	6.32E-01	2.30E+02
458	489913.71	3860900.05	17.974	20.099	31.336	10.97549	1.37E+00	2.14E+02	3.46E+00	6.28E-01	2.20E+02	1.33E+00	9.06E-04	3.46E-01	1.23E-01	1.80E+00	1.49E+00	2.14E+02	3.46E+00	6.28E-01	2.20E+02
459	489963.71	3860900.05	17.4807	19.2111	30.245	10.9026	1.33E+00	2.05E+02	3.34E+00	6.23E-01	2.10E+02	1.29E+00	8.66E-04	3.34E-01	1.22E-01	1.75E+00	1.45E+00	2.05E+02	3.34E+00	6.23E-01	2.10E+02
460	490013.71	3860900.05	16.9264	18.6533	30.198	10.71365	1.29E+00	1.99E+02	3.34E+00	6.13E-01	2.04E+02	1.25E+00	8.41E-04	3.34E-01	1.20E-01	1.71E+00	1.41E+00	1.99E+02	3.34E+00	6.13E-01	2.04E+02
461	490063.71	3860900.05	16.6366	18.0424	31.117	10.54282	1.27E+00	1.93E+02	3.44E+00	6.03E-01	1.98E+02	1.23E+00	8.13E-04	3.44E-01	1.18E-01	1.69E+00	1.38E+00	1.93E+02	3.44E+00	6.03E-01	1.98E+02
462	489663.71	3860950.05	18.4393	25.3132	32.112	14.96448	1.41E+00	2.70E+02	3.55E+00	8.56E-01	2.76E+02	1.37E+00	1.14E-03	3.55E-01	1.68E-01	1.89E+00	1.53E+00	2.70E+02	3.55E+00	8.56E-01	2.76E+02
463	489813.71	3860950.05	18.4095	22.9703	32.723	11.4917	1.40E+00	2.45E+02	3.62E+00	6.57E-01	2.51E+02	1.36E+00	1.04E-03	3.62E-01	1.29E-01	1.85E+00	1.53E+00	2.45E+02	3.62E+00	6.57E-01	2.51E+02
464	489863.71	3860950.05	18.0148	21.9067	32.273	10.99392	1.37E+00	2.34E+02	3.57E+00	6.29E-01	2.39E+02	1.33E+00	9.88E-04	3.57E-01	1.23E-01	1.81E+00	1.50E+00	2.34E+02	3.57E+00	6.29E-01	2.39E+02
465	489913.71	3860950.05	17.9534	20.8796	31.642	10.96215	1.37E+00	2.23E+02	3.50E+00	6.27E-01	2.28E+02	1.33E+00	9.41E-04	3.50E-01	1.23E-01	1.80E+00	1.49E+00	2.23E+02	3.50E+00	6.27E-01	2.28E+02
466	489963.71	3860950.05	17.6507	19.9722	30.722	10.88028	1.35E+00	2.13E+02	3.40E+00	6.22E-01	2.19E+02	1.31E+00	9.00E-04	3.40E-01	1.22E-01	1.77E+00	1.47E+00	2.13E+02	3.40E+00	6.22E-01	2.19E+02
467	490013.71	3860950.05	17.1718	19.1556	29.902	10.77749	1.31E+00	2.04E+02	3.31E+00	6.16E-01	2.10E+02	1.27E+00	8.64E-04	3.31E-01	1.21E-01	1.72E+00	1.43E+00	2.04E+02	3.31E+00	6.16E-01	2.10E+02
468	490063.71	3860950.05	16.6615	18.4111	30.352	10.64851	1.27E+00	1.96E+02	3.36E+00	6.09E-01	2.02E+02	1.23E+00	8.30E-04	3.36E-01	1.19E-01	1.69E+00	1.38E+00	1.96E+02	3.36E+00	6.09E-01	2.02E+02
469	489513.71	3861000.05	16.5822	26.5537	28.033	11.6712	1.26E+00	2.83E+02	3.10E+00	6.67E-01	2.88E+02	1.23E+00	1.20E-03	3.10E-01	1.31E-01	1.67E+00	1.38E+00	2.83E+02	3.10E+00	6.67E-01	2.89E+02
470	489563.71	3861000.05	16.9243	26.3622	29.436	12.0595	1.29E+00	2.81E+02	3.25E+00	6.90E-01	2.87E+02	1.25E+00	1.19E-03	3.25E-01	1.35E-01	1.71E+00	1.41E+00	2.81E+02	3.25E+00	6.90E-01	2.87E+02
471	489613.71	3861000.05	17.3709	26.1427	30.646	13.36541	1.32E+00	2.79E+02	3.39E+00	7.64E-01	2.84E+02	1.29E+00	1.18E-03	3.39E-01	1.50E-01	1.78E+00	1.44E+00	2.79E+02	3.39E+00	7.64E-01	2.85E+02
472	489663.71	3861000.05	17.9247	25.6037	31.571	14.25413	1.37E+00	2.73E+02	3.49E+00	8.15E-01	2.79E+02	1.33E+00	1.15E-03	3.49E-01	1.60E-01	1.84E+00	1.49E+00	2.73E+02	3.49E+00	8.15E-01	2.79E+02
473	489713.71	3861000.05	18.2697	24.7561	32.189	14.43417	1.39E+00	2.64E+02	3.56E+00	8.25E-01	2.70E+02	1.35E+00	1.12E-03	3.56E-01	1.62E-01	1.87E+00	1.52E+00	2.64E+02	3.56E+00	8.25E-01	2.70E+02
474	489763.71	3861000.05	18.4222	24.1193	32.535	13.91598	1.40E+00	2.57E+02	3.60E+00	7.96E-01	2.63E+02	1.36E+00	1.09E-03	3.60E-01	1.56E-01	1.88E+00	1.53E+00	2.57E+02	3.60E+00	7.96E-01	2.63E+02
475	489813.71	3861000.05	18.403	23.4936	32.648	12.90129	1.40E+00	2.51E+02	3.61E+00	7.38E-01	2.56E+02	1.36E+00	1.06E-03	3.61E-01	1.44E-01	1.87E+00	1.53E+00	2.51E+02	3.61E+00	7.38E-01	2.57E+02
476	489863.71	3861000.05	18.0881	22.6224	32.359	11.42474	1.38E+00	2.41E+02	3.58E+00	6.53E-01	2.47E+02	1.34E+00	1.02E-03	3.58E-01	1.28E-01	1.83E+00	1.50E+00	2.41E+02	3.58E+00	6.53E-01	2.47E+02
477	489913.71	3861000.05	17.8162	21.718	31.884	10.90325	1.36E+00	2.32E+02	3.53E+00	6.23E-01	2.37E+02	1.32E+00	9.79E-04	3.53E-01	1.22E-01	1.79E+00	1.48E+00	2.32E+02	3.53E+00	6.23E-01	2.37E+02
478	489963.71	3861000.05	17.6728	20.7248	31.09	10.85712	1.35E+00	2.21E+02	3.44E+00	6.21E-01	2.27E+02	1.31E+00	9.34E-04	3.44E-01	1.22E-01	1.77E+00	1.47E+00	2.21E+02	3.44E+00	6.21E-01	2.27E+02
479	490013.71	3861000.05	17.3638	19.8551	30.132	10.79525	1.32E+00	2.12E+02	3.33E+00	6.17E-01	2.17E+02	1.29E+00	8.95E-04	3.33E-01	1.21E-01	1.74E+00	1.44E+00	2.12E+02	3.33E+00	6.17E-01	2.17E+02
480	490063.71	3861000.05	16.857	19.0767	29.707	10.70018	1.28E+00	2.04E+02	3.28E+00	6.12E-01	2.09E+02	1.25E+00	8.60E-04	3.28E-01	1.20E-01	1.70E+00	1.40E+00	2.04E+02	3.28E+00	6.12E-01	2.09E+02
481	489513.71	3861050.05	16.2446	25.9598	27.162	13.37694	1.24E+00	2.77E+02	3.00E+00	7.65E-01	2.82E+02	1.20E+00	1.17E-03	3.00E-01	1.50E-01	1.65E+00	1.35E+00	2.77E+02	3.00E+00	7.65E-01	2.82E+02
482	489563.71	3861050.05	16.4918	25.8159	28.631	11.05786	1.26E+00	2.76E+02	3.17E+00	6.32E-01	2.81E+02	1.22E+00	1.16E-03	3.17E-01	1.24E-01	1.66E+00	1.37E+00	2.76E+02	3.17E+00	6.32E-01	2.81E+02
483	489613.71	3861050.05	16.8254	25.6782	29.966	11.85352	1.28E+00	2.74E+02	3.31E+00	6.78E-01	2.79E+02	1.25E+00	1.16E-03	3.31E-01	1.33E-01	1.71E+00	1.40E+00	2.74E+02	3.31E+00	6.78E-01	2.79E+02
484	489663.71	3861050.05	17.3046	25.427	30.954	12.91358	1.32E+00	2.71E+02	3.42E+00	7.38E-01	2.77E+02	1.28E+00	1.15E-03	3.42E-01	1.45E-01	1.77E+00	1.44E+00	2.71E+02	3.42E+00	7.38E-01	2.77E+02

485	489713.71	3861050.05	17.7862	24.9434	31.696	13.68051	1.36E+00	2.66E+02	3.50E+00	7.82E-01	2.72E+02	1.32E+00	1.12E-03	3.50E-01	1.53E-01	1.82E+00	1.48E+00	2.66E+02	3.50E+00	7.82E-01	2.72E+02
486	489763.71	3861050.05	18.102	24.2349	32.197	13.94232	1.38E+00	2.59E+02	3.56E+00	7.97E-01	2.64E+02	1.34E+00	1.09E-03	3.56E-01	1.56E-01	1.85E+00	1.50E+00	2.59E+02	3.56E+00	7.97E-01	2.64E+02
487	489813.71	3861050.05	18.228	23.5844	32.43	13.58508	1.39E+00	2.52E+02	3.59E+00	7.77E-01	2.57E+02	1.35E+00	1.06E-03	3.59E-01	1.52E-01	1.86E+00	1.51E+00	2.52E+02	3.59E+00	7.77E-01	2.58E+02
488	489863.71	3861050.05	18.1131	23.011	32.336	12.62042	1.38E+00	2.46E+02	3.58E+00	7.22E-01	2.51E+02	1.34E+00	1.04E-03	3.58E-01	1.41E-01	1.84E+00	1.50E+00	2.46E+02	3.58E+00	7.22E-01	2.51E+02
489	489913.71	3861050.05	17.7923	22.291	31.984	11.3649	1.36E+00	2.38E+02	3.54E+00	6.50E-01	2.43E+02	1.32E+00	1.00E-03	3.54E-01	1.27E-01	1.80E+00	1.48E+00	2.38E+02	3.54E+00	6.50E-01	2.44E+02
490	489963.71	3861050.05	17.5631	21.4564	31.369	10.78122	1.34E+00	2.29E+02	3.47E+00	6.17E-01	2.34E+02	1.30E+00	9.67E-04	3.47E-01	1.21E-01	1.77E+00	1.46E+00	2.29E+02	3.47E+00	6.17E-01	2.35E+02
491	490013.71	3861050.05	17.4361	20.5918	30.574	10.7689	1.33E+00	2.20E+02	3.38E+00	6.16E-01	2.25E+02	1.29E+00	9.28E-04	3.38E-01	1.21E-01	1.75E+00	1.45E+00	2.20E+02	3.38E+00	6.16E-01	2.25E+02
492	490063.71	3861050.05	17.086	19.7247	29.883	10.70952	1.30E+00	2.10E+02	3.30E+00	6.12E-01	2.16E+02	1.26E+00	8.89E-04	3.30E-01	1.20E-01	1.72E+00	1.42E+00	2.10E+02	3.30E+00	6.12E-01	2.16E+02
493	489513.71	3861100.05	15.9582	25.9659	26.317	14.96956	1.22E+00	2.77E+02	2.91E+00	8.56E-01	2.82E+02	1.18E+00	1.17E-03	2.91E-01	1.68E-01	1.64E+00	1.32E+00	2.77E+02	2.91E+00	8.56E-01	2.82E+02
494	489563.71	3861100.05	16.0942	25.2618	27.782	12.61255	1.23E+00	2.70E+02	3.07E+00	7.21E-01	2.75E+02	1.19E+00	1.14E-03	3.07E-01	1.41E-01	1.64E+00	1.34E+00	2.70E+02	3.07E+00	7.21E-01	2.75E+02
495	489613.71	3861100.05	16.3438	25.0326	29.052	10.38791	1.25E+00	2.67E+02	3.21E+00	5.94E-01	2.72E+02	1.21E+00	1.13E-03	3.21E-01	1.16E-01	1.65E+00	1.36E+00	2.67E+02	3.21E+00	5.94E-01	2.72E+02
496	489663.71	3861100.05	16.6065	24.8789	30.198	11.3834	1.27E+00	2.66E+02	3.34E+00	6.51E-01	2.71E+02	1.23E+00	1.12E-03	3.34E-01	1.27E-01	1.69E+00	1.38E+00	2.66E+02	3.34E+00	6.51E-01	2.71E+02
497	489713.71	3861100.05	17.1813	24.6885	31.1	12.39282	1.31E+00	2.63E+02	3.44E+00	7.09E-01	2.69E+02	1.27E+00	1.11E-03	3.44E-01	1.39E-01	1.76E+00	1.43E+00	2.63E+02	3.44E+00	7.09E-01	2.69E+02
498	489763.71	3861100.05	17.6361	24.318	31.733	13.14174	1.34E+00	2.60E+02	3.51E+00	7.51E-01	2.65E+02	1.31E+00	1.10E-03	3.51E-01	1.47E-01	1.80E+00	1.46E+00	2.60E+02	3.51E+00	7.51E-01	2.65E+02
499	489813.71	3861100.05	17.9209	23.7218	32.114	13.44673	1.37E+00	2.53E+02	3.55E+00	7.69E-01	2.59E+02	1.33E+00	1.07E-03	3.55E-01	1.51E-01	1.83E+00	1.49E+00	2.53E+02	3.55E+00	7.69E-01	2.59E+02
500	489863.71	3861100.05	18.017	23.0416	32.242	13.2225	1.37E+00	2.46E+02	3.56E+00	7.56E-01	2.52E+02	1.33E+00	1.04E-03	3.56E-01	1.48E-01	1.84E+00	1.50E+00	2.46E+02	3.56E+00	7.56E-01	2.52E+02
501	489913.71	3861100.05	17.8416	22.5535	32.002	12.362	1.36E+00	2.41E+02	3.54E+00	7.07E-01	2.46E+02	1.32E+00	1.02E-03	3.54E-01	1.38E-01	1.81E+00	1.48E+00	2.41E+02	3.54E+00	7.07E-01	2.46E+02
502	489963.71	3861100.05	17.4864	21.9395	31.55	11.25194	1.33E+00	2.34E+02	3.49E+00	6.43E-01	2.40E+02	1.29E+00	9.89E-04	3.49E-01	1.26E-01	1.77E+00	1.45E+00	2.34E+02	3.49E+00	6.43E-01	2.40E+02
503	490013.71	3861100.05	17.3173	21.1858	30.831	10.6599	1.32E+00	2.26E+02	3.41E+00	6.10E-01	2.31E+02	1.28E+00	9.55E-04	3.41E-01	1.19E-01	1.74E+00	1.44E+00	2.26E+02	3.41E+00	6.10E-01	2.32E+02
504	490063.71	3861100.05	17.1389	20.3825	29.935	10.64543	1.31E+00	2.18E+02	3.31E+00	6.09E-01	2.23E+02	1.27E+00	9.19E-04	3.31E-01	1.19E-01	1.72E+00	1.42E+00	2.18E+02	3.31E+00	6.09E-01	2.23E+02
505	489713.71	3861150.05	16.4989	24.2496	30.453	11.07942	1.26E+00	2.59E+02	3.37E+00	6.34E-01	2.64E+02	1.22E+00	1.09E-03	3.37E-01	1.24E-01	1.68E+00	1.37E+00	2.59E+02	3.37E+00	6.34E-01	2.64E+02
506	489763.71	3861150.05	17.0881	24.0523	31.225	11.99205	1.30E+00	2.57E+02	3.45E+00	6.86E-01	2.62E+02	1.27E+00	1.08E-03	3.45E-01	1.34E-01	1.75E+00	1.42E+00	2.57E+02	3.45E+00	6.86E-01	2.62E+02
507	489813.71	3861150.05	17.5136	23.7649	31.742	12.70171	1.33E+00	2.54E+02	3.51E+00	7.26E-01	2.59E+02	1.30E+00	1.07E-03	3.51E-01	1.42E-01	1.79E+00	1.45E+00	2.54E+02	3.51E+00	7.26E-01	2.59E+02
508	489863.71	3861150.05	17.7363	23.2321	31.968	12.98062	1.35E+00	2.48E+02	3.53E+00	7.42E-01	2.54E+02	1.31E+00	1.05E-03	3.53E-01	1.45E-01	1.81E+00	1.47E+00	2.48E+02	3.53E+00	7.42E-01	2.54E+02
509	489913.71	3861150.05	17.7462	22.4783	31.911	12.74623	1.35E+00	2.40E+02	3.53E+00	7.29E-01	2.45E+02	1.31E+00	1.01E-03	3.53E-01	1.43E-01	1.81E+00	1.47E+00	2.40E+02	3.53E+00	7.29E-01	2.46E+02
510	489963.71	3861150.05	17.5435	22.0696	31.584	12.04421	1.34E+00	2.36E+02	3.49E+00	6.89E-01	2.41E+02	1.30E+00	9.95E-04	3.49E-01	1.35E-01	1.78E+00	1.46E+00	2.36E+02	3.49E+00	6.89E-01	2.41E+02
511	490013.71	3861150.05	17.145	21.5364	31.019	11.04572	1.31E+00	2.30E+02	3.43E+00	6.32E-01	2.35E+02	1.27E+00	9.71E-04	3.43E-01	1.24E-01	1.74E+00	1.42E+00	2.30E+02	3.43E+00	6.32E-01	2.35E+02
512	490063.71	3861150.05	17.0796	20.9097	30.277	10.5408	1.30E+00	2.23E+02	3.35E+00	6.03E-01	2.28E+02	1.26E+00	9.43E-04	3.35E-01	1.18E-01	1.72E+00	1.42E+00	2.23E+02	3.35E+00	6.03E-01	2.29E+02
513	489613.71	3861200.05	15.5792	24.4606	27.323	12.85799	1.19E+00	2.61E+02	3.02E+00	7.35E-01	2.66E+02	1.15E+00	1.10E-03	3.02E-01	1.44E-01	1.60E+00	1.29E+00	2.61E+02	3.02E+00	7.35E-01	2.66E+02
514	489663.71	3861200.05	15.754	23.899	28.641	10.99469	1.20E+00	2.55E+02	3.17E+00	6.29E-01	2.60E+02	1.17E+00	1.08E-03	3.17E-01	1.23E-01	1.61E+00	1.31E+00	2.55E+02	3.17E+00	6.29E-01	2.60E+02
515	489713.71	3861200.05	16.0905	23.7535	29.757	9.98862	1.23E+00	2.53E+02	3.29E+00	5.71E-01	2.59E+02	1.19E+00	1.07E-03	3.29E-01	1.12E-01	1.63E+00	1.34E+00	2.53E+02	3.29E+00	5.71E-01	2.59E+02
516	489763.71	3861200.05	16.4463	23.6738	30.641	10.80444	1.25E+00	2.53E+02	3.39E+00	6.18E-01	2.58E+02	1.22E+00	1.07E-03	3.39E-01	1.21E-01	1.68E+00	1.37E+00	2.53E+02	3.39E+00	6.18E-01	2.58E+02
517	489813.71	3861200.05	16.9976	23.4575	31.284	11.62785	1.30E+00	2.50E+02	3.46E+00	6.65E-01	2.56E+02	1.26E+00	1.06E-03	3.46E-01	1.30E-01	1.74E+00	1.41E+00	2.50E+02	3.46E+00	6.65E-01	2.56E+02
518	489863.71	3861200.05	17.3833	23.237	31.681	12.28994	1.32E+00	2.48E+02	3.50E+00	7.03E-01	2.54E+02	1.29E+00	1.05E-03	3.50E-01	1.38E-01	1.78E+00	1.44E+00	2.48E+02	3.50E+00	7.03E-01	2.54E+02
519	489913.71	3861200.05	17.5464	22.7615	31.764	12.54096	1.34E+00	2.43E+02	3.51E+00	7.17E-01	2.48E+02	1.30E+00	1.03E-03	3.51E-01	1.40E-01	1.79E+00	1.46E+00	2.43E+02	3.51E+00	7.17E-01	2.49E+02
520	489963.71	3861200.05	17.5	22.0771	31.573	12.34316	1.33E+00	2.36E+02	3.49E+00	7.06E-01	2.41E+02	1.30E+00	9.95E-04	3.49E-01	1.38E-01	1.78E+00	1.45E+00	2.36E+02	3.49E+00	7.06E-01	2.41E+02
521	490013.71	3861200.05	17.2763	21.6221	31.171	11.77629	1.32E+00	2.31E+02	3.45E+00	6.73E-01	2.36E+02	1.28E+00	9.75E-04	3.45E-01	1.32E-01	1.76E+00	1.43E+00	2.31E+02	3.45E+00	6.73E-01	2.36E+02
522	490063.71	3861200.05	16.8905	21.1776	30.525	10.89586	1.29E+00	2.26E+02	3.37E+00	6.23E-01	2.31E+02	1.25E+00	9.55E-04	3.37E-01	1.22E-01	1.71E+00	1.40E+00	2.26E+02	3.37E+00	6.23E-01	2.31E+02
523	489513.71	3861250.05	16.9668	24.5522	24.562	15.99617	1.29E+00	2.62E+02	2.72E+00	9.15E-01	2.67E+02	1.26E+00	1.11E-03	2.72E-01	1.79E-01	1.71E+00	1.41E+00	2.62E+02	2.72E+00	9.15E-01	2.67E+02
524	489563.71	3861250.05	15.5397	24.5	24.93	15.16378	1.18E+00	2.61E+02	2.76E+00	8.67E-01	2.66E+02	1.15E+00	1.10E-03	2.76E-01	1.70E-01	1.60E+00	1.29E+00	2.61E+02	2.76E+00	8.67E-01	2.66E+02
525	489613.71	3861250.05	15.2452	24.2944	26.467	13.8184	1.16E+00	2.59E+02	2.93E+00	7.90E-01	2.64E+02	1.13E+00	1.10E-03	2.93E-01	1.55E-01	1.58E+00	1.27E+00	2.59E+02	2.93E+00	7.90E-01	2.64E+02
526	489663.71	3861250.05	15.4641	23.9082	27.829	12.12938	1.18E+00	2.55E+02	3.08E+00	6.94E-01	2.60E+02	1.14E+00	1.08E-03	3.08E-01	1.36E-01	1.59E+00	1.28E+00	2.55E+02	3.08E+00	6.94E-01	2.60E+02
527	489713.71	3861250.05	15.6697	23.3621	29.024	10.36035	1.19E+00	2.49E+02	3.21E+00	5.92E-01	2.54E+02	1.16E+00	1.05E-03	3.21E-01	1.16E-01	1.60E+00	1.30E+00	2.49E+02	3.21E+00	5.92E-01	2.54E+02
528	489763.71	3861250.05	15.9654	23.1902	30.009	9.80255	1.22E+00	2.47E+02	3.32E+00	5.61E-01	2.53E+02	1.18E+00	1.05E-03	3.32E-01	1.10E-01	1.62E+00	1.33E+00	2.47E+02	3.32E+00	5.61E-01	2.53E+02
529	489813.71	3861250.05	16.3935	23.137	30.76	10.54496	1.25E+00	2.47E+02	3.40E+00	6.03E-01	2.52E+02	1.21E+00	1.04E-03	3.40E-01	1.18E-01	1.67E+00	1.36E+00	2.47E+02	3.40E+00	6.03E-01	2.52E+02
530	489863.71	3861250.05	16.8926	22.8863	31.263	11.27573	1.29E+00	2.44E+02	3.46E+00	6.45E-01	2.50E+02	1.25E+00	1.03E-03	3.46E-01	1.26E-01	1.72E+00	1.40E+00	2.44E+02	3.46E+00	6.45E-01	2.50E+02
531	489913.71	3861250.05	17.2215	22.7049	31.521	11.86106	1.31E+00	2.42E+02	3.48E+00	6.78E-01	2.48E+02	1.27E+00	1.02E-03	3.48E-01	1.33E-01	1.76E+00	1.43E+00	2.42E+02	3.48E+00	6.78E-01	2.48E+02
532	489963.71	3861250.05	17.3514	22.3075	31.504	12.12533	1.32E+00	2.38E+02	3.48E+00	6.93E-01	2.44E+02	1.28E+00	1.01E-03	3.48E-01	1.36E-01	1.77E+00	1.44E+00	2.38E+02	3.48E+00	6.93E-01	2.44E+02
533	490013.71	3861250.05	17.2778	21.7122	31.229	12.00005	1.32E+00	2.32E+02	3.45E+00	6.86E-01	2.37E+02	1.28E+00	9.79E-04	3.45E-01	1.34E-01	1.76E+00	1.43E+00	2.32E+02	3.45E+00	6.86E-01	2.37E+02
534	490063.71	3861250.05	16.9925	21.1573	30.694	11.47245	1.30E+00	2.26E+02	3.39E+00	6.56E-01	2.31E+02	1.26E+00	9.54E-04	3.39E-01	1.28E-01	1.73E+00	1.41E+00	2.26E+02	3.39E+00	6.56E-01	2.31E+02
535	489528.13	3861308.47	17.3981	23.8704	24.19	15.57869	1.33E+00	2.55E+02	2.67E+00	8.91E-01	2.60E+02	1.29E+00	1.08E-03	2.67E-01	1.74E-01	1.73E+00	1.44E+00	2.55E+02	2.67E+00	8.91E-01	2.60E+02
536	489578.13	3861308.47	16.0184	23.9164	24.299	15.07325	1.22E+00	2.55E+02	2.69E+00	8.62E-01	2.60E+02	1.19E+00	1.08E-03	2.69E-01	1.69E-01	1.62E+00	1.33E+00	2.55E+02	2.69E+00	8.62E-01	2.60E+02
537	489628.13	3861308.47	14.8427	23.8326	25.828	14.07131	1.13E+00	2.54E+02	2.86E+00	8.05E-01	2.59E+02	1.10E+00	1.07E-03	2.86E-01	1.58E-01	1.54E+00	1.23E+00	2.54E+02	2.86E+00	8.05E-01	2.59E+02
538	489678.13	3861308.47	15.1626	23.6194	27.228	12.7052	1.16E+00	2.52E+02	3.01E+00	7.27E-01	2.57E+02	1.12E+00	1.06E-03	3.01E-01	1.42E-01	1.57E+00	1.26E+00	2.52E+02	3.01E+00	7.27E-01	2.57E+02
539	489728.13	3861308.47	15.3144	23.2462	28.455	11.10877	1.17E+00	2.48E+02	3.15E+00	6.35E-01	2.53E+02	1.13E+00	1.05E-03	3.15E-01	1.24E-01	1.57E+00	1.27E+00	2.48E+02	3.15E+00	6.35E-01	2.53E+02
540	489778.13	3861308.47	15.5939	22.6851	29.469	9.43231	1.19E+00	2.42E+02	3.26E+00	5.39E-01	2.47E+02	1.15E+00	1.02E-03	3.26E-01	1.06E-01	1.59E+00	1.29E+00	2.42E+02	3.26E+00	5.39E-01	2.47E+02
541	489678.13	3861358.47	14.7845	23.3259	26.372	13.31188	1.13E+00	2.49E+02	2.92E+00	7.61E-01	2.54E+02	1.09E+00	1.05E-03	2.92E-01	1.49E-01	1.54E+00	1.23E+00	2.49E+02	2.92E+00	7.61E-01	2.54E+02
542	489728.13	3861358.47	15.0494	23.1088	27.654	11.95063	1.15E+00	2.47E+02	3.06E+00	6.83E-01	2.51E+02	1.11E+00	1.04E-03	3.06E-01	1.34E-01	1.55E+00	1.25E+00	2.47E+02	3.06E+00	6.83E-01	2.52E+02
543	489528.13	3861408.47	18.6607	22.4263	23.301	14.31976	1.42E+00	2.39E+02	2.58E+00	8.19E-01	2.44E+02	1.38E+00	1.01E-03	2.58E-01	1.60E-01	1.80E+00	1.55E+00	2.39E+02	2.58E+00	8.19E-01	2.44E+02
544	489578.13	3861408.47	17.4193	22.6972	23.615	14.51718	1.33E+00	2.42E+02	2.61E+00	8.30E-01	2.47E+02	1.29E+00	1.02E-03	2.61E-01	1.63E-01	1.71E+00	1.45E+00	2.42E+02	2.61E+00	8.30E-01	2.47E+02
545	489628.13	3861408.47	16.1247	22.8983	24.071	14.3568	1.23E+00	2.44E+02	2.66E+00	8.21E-01	2.49E+02	1.19E+00	1.03E-03	2.66E-01	1.61E-01	1.62E+00	1.34E+00	2.44E+02	2.66E+00	8.21E-01	2.49E+02

546	489678.13	3861408.47	14.7348	22.9255	25.516	13.63658	1.12E+00	2.45E+02	2.82E+00	7.80E-01	2.49E+02	1.09E+00	1.03E-03	2.82E-01	1.53E-01	1.53E+00	1.22E+00	2.45E+02	2.82E+00	7.80E-01	2.49E+02
547	489728.13	3861408.47	14.7056	22.8311	26.831	12.5449	1.12E+00	2.44E+02	2.97E+00	7.17E-01	2.48E+02	1.09E+00	1.03E-03	2.97E-01	1.40E-01	1.53E+00	1.22E+00	2.44E+02	2.97E+00	7.17E-01	2.49E+02
548	489528.13	3861458.47	19.2212	21.6127	22.806	13.47257	1.47E+00	2.31E+02	2.52E+00	7.70E-01	2.35E+02	1.42E+00	9.74E-04	2.52E-01	1.51E-01	1.83E+00	1.60E+00	2.31E+02	2.52E+00	7.70E-01	2.36E+02
549	489578.13	3861458.47	18.0604	21.9864	23.296	13.93802	1.38E+00	2.35E+02	2.58E+00	7.97E-01	2.39E+02	1.34E+00	9.91E-04	2.58E-01	1.56E-01	1.75E+00	1.50E+00	2.35E+02	2.58E+00	7.97E-01	2.40E+02
550	489628.13	3861458.47	16.8035	22.2531	23.359	13.99902	1.28E+00	2.37E+02	2.58E+00	8.01E-01	2.42E+02	1.24E+00	1.00E-03	2.58E-01	1.57E-01	1.66E+00	1.40E+00	2.37E+02	2.58E+00	8.01E-01	2.42E+02
551	489678.13	3861458.47	15.4703	22.4016	24.635	13.62528	1.18E+00	2.39E+02	2.72E+00	7.79E-01	2.44E+02	1.15E+00	1.01E-03	2.72E-01	1.53E-01	1.57E+00	1.28E+00	2.39E+02	2.72E+00	7.79E-01	2.44E+02
552	489728.13	3861458.47	14.2922	22.4125	25.968	12.82233	1.09E+00	2.39E+02	2.87E+00	7.33E-01	2.44E+02	1.06E+00	1.01E-03	2.87E-01	1.44E-01	1.49E+00	1.19E+00	2.39E+02	2.87E+00	7.33E-01	2.44E+02
553	489528.13	3861508.47	19.7009	20.7178	22.234	12.5038	1.50E+00	2.21E+02	2.46E+00	7.15E-01	2.26E+02	1.46E+00	9.34E-04	2.46E-01	1.40E-01	1.85E+00	1.64E+00	2.21E+02	2.46E+00	7.15E-01	2.26E+02
554	489578.13	3861508.47	18.6186	21.1687	22.853	13.12599	1.42E+00	2.26E+02	2.53E+00	7.51E-01	2.31E+02	1.38E+00	9.54E-04	2.53E-01	1.47E-01	1.78E+00	1.55E+00	2.26E+02	2.53E+00	7.51E-01	2.31E+02
555	489628.13	3861508.47	17.4277	21.5233	23.069	13.42381	1.33E+00	2.30E+02	2.55E+00	7.68E-01	2.34E+02	1.29E+00	9.70E-04	2.55E-01	1.50E-01	1.70E+00	1.45E+00	2.30E+02	2.55E+00	7.68E-01	2.34E+02
556	489678.13	3861508.47	16.1482	21.77	23.738	13.33041	1.23E+00	2.32E+02	2.62E+00	7.62E-01	2.37E+02	1.20E+00	9.81E-04	2.62E-01	1.49E-01	1.61E+00	1.34E+00	2.32E+02	2.62E+00	7.62E-01	2.37E+02
557	489728.13	3861508.47	14.8149	21.9095	25.117	12.865	1.13E+00	2.34E+02	2.78E+00	7.36E-01	2.38E+02	1.10E+00	9.88E-04	2.78E-01	1.44E-01	1.52E+00	1.23E+00	2.34E+02	2.78E+00	7.36E-01	2.39E+02
558	489628.13	3861558.47	18.0346	20.7549	22.782	12.76197	1.37E+00	2.21E+02	2.52E+00	7.30E-01	2.26E+02	1.34E+00	9.36E-04	2.52E-01	1.43E-01	1.73E+00	1.50E+00	2.21E+02	2.52E+00	7.30E-01	2.26E+02
559	489678.13	3861558.47	16.8471	21.1281	22.922	12.98814	1.28E+00	2.25E+02	2.53E+00	7.43E-01	2.30E+02	1.25E+00	9.52E-04	2.53E-01	1.45E-01	1.65E+00	1.40E+00	2.25E+02	2.53E+00	7.43E-01	2.30E+02
560	489728.13	3861558.47	15.561	21.3753	24.327	12.79849	1.19E+00	2.28E+02	2.69E+00	7.32E-01	2.33E+02	1.15E+00	9.64E-04	2.69E-01	1.43E-01	1.57E+00	1.29E+00	2.28E+02	2.69E+00	7.32E-01	2.33E+02
561	489357.08	3861015.81	18.131	27.6806	25.934	18.85754	1.38E+00	2.95E+02	2.87E+00	1.08E+00	3.01E+02	1.34E+00	1.25E-03	2.87E-01	2.11E-01	1.84E+00	1.51E+00	2.95E+02	2.87E+00	1.08E+00	3.01E+02
562	489407.08	3861015.81	16.5225	27.2629	26.215	17.06862	1.26E+00	2.91E+02	2.90E+00	9.76E-01	2.96E+02	1.22E+00	1.23E-03	2.90E-01	1.91E-01	1.71E+00	1.37E+00	2.91E+02	2.90E+00	9.76E-01	2.96E+02
563	489457.08	3861015.81	16.1877	26.7034	25.968	14.84002	1.23E+00	2.85E+02	2.87E+00	8.49E-01	2.90E+02	1.20E+00	1.20E-03	2.87E-01	1.66E-01	1.65E+00	1.34E+00	2.85E+02	2.87E+00	8.49E-01	2.90E+02
564	489357.08	3861065.81	18.916	27.1234	25.336	18.95875	1.44E+00	2.89E+02	2.80E+00	1.08E+00	2.95E+02	1.40E+00	1.22E-03	2.80E-01	2.12E-01	1.89E+00	1.57E+00	2.89E+02	2.80E+00	1.08E+00	2.95E+02
565	489407.08	3861065.81	17.3668	26.8755	25.847	17.85902	1.32E+00	2.87E+02	2.86E+00	1.02E+00	2.92E+02	1.29E+00	1.21E-03	2.86E-01	2.00E-01	1.77E+00	1.44E+00	2.87E+02	2.86E+00	1.02E+00	2.92E+02
566	489457.08	3861065.81	15.8006	26.5143	25.86	16.15704	1.20E+00	2.83E+02	2.86E+00	9.24E-01	2.88E+02	1.17E+00	1.20E-03	2.86E-01	1.81E-01	1.64E+00	1.31E+00	2.83E+02	2.86E+00	9.24E-01	2.88E+02
567	489357.08	3861115.81	19.6145	26.446	24.623	18.47667	1.50E+00	2.82E+02	2.72E+00	1.06E+00	2.87E+02	1.45E+00	1.19E-03	2.72E-01	2.07E-01	1.93E+00	1.63E+00	2.82E+02	2.72E+00	1.06E+00	2.88E+02
568	489407.08	3861115.81	18.1859	26.4023	25.445	18.16412	1.39E+00	2.82E+02	2.81E+00	1.04E+00	2.87E+02	1.35E+00	1.19E-03	2.81E-01	2.03E-01	1.83E+00	1.51E+00	2.82E+02	2.81E+00	1.04E+00	2.87E+02
569	489457.08	3861115.81	16.6845	26.2196	25.719	17.09678	1.27E+00	2.80E+02	2.84E+00	9.78E-01	2.85E+02	1.24E+00	1.18E-03	2.84E-01	1.91E-01	1.71E+00	1.39E+00	2.80E+02	2.84E+00	9.78E-01	2.85E+02
570	489407.08	3861165.81	18.943	25.8125	24.944	17.96663	1.44E+00	2.75E+02	2.76E+00	1.03E+00	2.81E+02	1.40E+00	1.16E-03	2.76E-01	2.01E-01	1.88E+00	1.57E+00	2.75E+02	2.76E+00	1.03E+00	2.81E+02
571	489457.08	3861165.81	17.4787	25.7378	25.369	17.37091	1.33E+00	2.75E+02	2.80E+00	9.93E-01	2.80E+02	1.29E+00	1.16E-03	2.80E-01	1.94E-01	1.77E+00	1.45E+00	2.75E+02	2.80E+00	9.93E-01	2.80E+02
572	489407.08	3861215.81	19.4959	24.9721	24.059	16.92041	1.49E+00	2.66E+02	2.66E+00	9.68E-01	2.72E+02	1.44E+00	1.13E-03	2.66E-01	1.89E-01	1.90E+00	1.62E+00	2.66E+02	2.66E+00	9.68E-01	2.72E+02
573	489457.08	3861215.81	18.1334	25.047	24.73	16.90283	1.38E+00	2.67E+02	2.73E+00	9.67E-01	2.72E+02	1.34E+00	1.13E-03	2.73E-01	1.89E-01	1.81E+00	1.51E+00	2.67E+02	2.73E+00	9.67E-01	2.73E+02
574	489407.08	3861265.81	19.9714	24.0526	23.143	15.69722	1.52E+00	2.57E+02	2.56E+00	8.98E-01	2.62E+02	1.48E+00	1.08E-03	2.56E-01	1.76E-01	1.91E+00	1.66E+00	2.57E+02	2.56E+00	8.98E-01	2.62E+02
575	489457.08	3861265.81	18.7325	24.2776	24.043	16.14171	1.43E+00	2.59E+02	2.66E+00	9.23E-01	2.64E+02	1.39E+00	1.09E-03	2.66E-01	1.81E-01	1.83E+00	1.56E+00	2.59E+02	2.66E+00	9.23E-01	2.64E+02
576	489309.86	3861110.14	20.7799	26.4481	23.45	18.16202	1.58E+00	2.82E+02	2.59E+00	1.04E+00	2.87E+02	1.54E+00	1.19E-03	2.59E-01	2.03E-01	2.00E+00	1.73E+00	2.82E+02	2.59E+00	1.04E+00	2.88E+02
577	489407.08	3861315.81	20.4694	23.1776	22.379	14.60067	1.56E+00	2.47E+02	2.47E+00	8.35E-01	2.52E+02	1.52E+00	1.04E-03	2.47E-01	1.63E-01	1.93E+00	1.70E+00	2.47E+02	2.47E+00	8.35E-01	2.52E+02
578	489457.08	3861315.81	19.3332	23.5148	23.442	15.33743	1.47E+00	2.51E+02	2.59E+00	8.77E-01	2.56E+02	1.43E+00	1.06E-03	2.59E-01	1.72E-01	1.86E+00	1.61E+00	2.51E+02	2.59E+00	8.77E-01	2.56E+02
579	488906.03	3861006.75	25.9464	29.2552	24.479	10.65247	1.98E+00	3.12E+02	2.71E+00	6.09E-01	3.17E+02	1.92E+00	1.32E-03	2.71E-01	1.19E-01	2.31E+00	2.15E+00	3.12E+02	2.71E+00	6.09E-01	3.18E+02
580	488956.03	3861006.75	26.0075	28.8099	21.304	12.0476	1.98E+00	3.07E+02	2.36E+00	6.89E-01	3.12E+02	1.93E+00	1.30E-03	2.36E-01	1.35E-01	2.30E+00	2.16E+00	3.07E+02	2.36E+00	6.89E-01	3.13E+02
581	488904.24	3861051.87	26.0238	28.9326	26.332	10.54377	1.98E+00	3.09E+02	2.91E+00	6.03E-01	3.14E+02	1.93E+00	1.30E-03	2.91E-01	1.18E-01	2.34E+00	2.16E+00	3.09E+02	2.91E+00	6.03E-01	3.14E+02
582	488954.24	3861051.87	25.9403	28.3943	22.514	11.43242	1.98E+00	3.03E+02	2.49E+00	6.54E-01	3.08E+02	1.92E+00	1.28E-03	2.49E-01	1.28E-01	2.30E+00	2.15E+00	3.03E+02	2.49E+00	6.54E-01	3.08E+02
583	489004.24	3861051.87	25.953	27.8474	19.288	12.8221	1.98E+00	2.97E+02	2.13E+00	7.33E-01	3.02E+02	1.92E+00	1.26E-03	2.13E-01	1.44E-01	2.28E+00	2.15E+00	2.97E+02	2.13E+00	7.33E-01	3.02E+02
584	488804.24	3861101.87	24.3234	29.1666	30.591	17.34841	1.85E+00	3.11E+02	3.38E+00	9.92E-01	3.17E+02	1.80E+00	1.31E-03	3.38E-01	1.94E-01	2.33E+00	2.02E+00	3.11E+02	3.38E+00	9.92E-01	3.18E+02
585	488854.24	3861101.87	25.0055	28.7785	29.094	11.41309	1.91E+00	3.07E+02	3.22E+00	6.53E-01	3.13E+02	1.85E+00	1.30E-03	3.22E-01	1.28E-01	2.30E+00	2.08E+00	3.07E+02	3.22E+00	6.53E-01	3.13E+02
586	488904.24	3861101.87	25.1093	27.9813	25.751	9.05743	1.91E+00	2.99E+02	2.85E+00	5.18E-01	3.04E+02	1.86E+00	1.26E-03	2.85E-01	1.01E-01	2.25E+00	2.08E+00	2.99E+02	2.85E+00	5.18E-01	3.04E+02
587	488954.24	3861101.87	25.236	27.3314	22.562	9.66655	1.92E+00	2.92E+02	2.49E+00	5.53E-01	2.97E+02	1.87E+00	1.23E-03	2.49E-01	1.08E-01	2.23E+00	2.10E+00	2.92E+02	2.49E+00	5.53E-01	2.97E+02
588	489004.24	3861101.87	25.2527	26.7998	19.295	10.62883	1.92E+00	2.86E+02	2.13E+00	6.08E-01	2.91E+02	1.87E+00	1.21E-03	2.13E-01	1.19E-01	2.20E+00	2.10E+00	2.86E+02	2.13E+00	6.08E-01	2.91E+02
589	488804.24	3861151.87	23.2525	28.0272	29.657	17.15615	1.77E+00	2.99E+02	3.28E+00	9.81E-01	3.05E+02	1.72E+00	1.26E-03	3.28E-01	1.92E-01	2.24E+00	1.93E+00	2.99E+02	3.28E+00	9.81E-01	3.05E+02
590	488854.24	3861151.87	23.8769	27.495	28.104	11.48363	1.82E+00	2.93E+02	3.11E+00	6.57E-01	2.99E+02	1.77E+00	1.24E-03	3.11E-01	1.29E-01	2.21E+00	1.98E+00	2.93E+02	3.11E+00	6.57E-01	2.99E+02
591	489129.49	3861187.55	24.2148	24.2067	14.167	11.30537	1.85E+00	2.58E+02	1.57E+00	6.46E-01	2.62E+02	1.79E+00	1.09E-03	1.57E-01	1.27E-01	2.08E+00	2.01E+00	2.58E+02	1.57E+00	6.46E-01	2.63E+02
592	489179.49	3861187.55	23.7021	23.7879	16.472	12.53553	1.81E+00	2.54E+02	1.82E+00	7.17E-01	2.58E+02	1.75E+00	1.07E-03	1.82E-01	1.40E-01	2.08E+00	1.97E+00	2.54E+02	1.82E+00	7.17E-01	2.58E+02
593	488804.24	3861201.87	22.5563	27.5322	29.731	18.17407	1.72E+00	2.94E+02	3.29E+00	1.04E+00	3.00E+02	1.67E+00	1.24E-03	3.29E-01	2.03E-01	2.20E+00	1.87E+00	2.94E+02	3.29E+00	1.04E+00	3.00E+02
594	488854.24	3861201.87	23.1799	26.894	28.273	12.56422	1.77E+00	2.87E+02	3.13E+00	7.18E-01	2.93E+02	1.72E+00	1.21E-03	3.13E-01	1.41E-01	2.17E+00	1.92E+00	2.87E+02	3.13E+00	7.18E-01	2.93E+02
595	489129.49	3861237.55	24.2208	24.0426	13.519	10.3658	1.85E+00	2.57E+02	1.49E+00	5.93E-01	2.61E+02	1.79E+00	1.08E-03	1.49E-01	1.16E-01	2.06E+00	2.01E+00	2.57E+02	1.49E+00	5.93E-01	2.61E+02
596	489179.49	3861237.55	23.7751	23.2591	15.477	11.36252	1.81E+00	2.48E+02	1.71E+00	6.50E-01	2.52E+02	1.76E+00	1.05E-03	1.71E-01	1.27E-01	2.06E+00	1.97E+00	2.48E+02	1.71E+00	6.50E-01	2.53E+02
597	488804.24	3861251.87	21.8508	27.1114	29.807	19.06307	1.67E+00	2.89E+02	3.30E+00	1.09E+00	2.95E+02	1.62E+00	1.22E-03	3.30E-01	2.13E-01	2.16E+00	1.81E+00	2.89E+02	3.30E+00	1.09E+00	2.96E+02
598	488854.24	3861251.87	22.5261	26.4839	28.519	13.6895	1.72E+00	2.83E+02	3.15E+00	7.83E-01	2.88E+02	1.67E+00	1.19E-03	3.15E-01	1.53E-01	2.14E+00	1.87E+00	2.83E+02	3.15E+00	7.83E-01	2.88E+02
599	488804.24	3861301.87	21.0519	26.5812	29.665	19.46309	1.60E+00	2.84E+02	3.28E+00	1.11E+00	2.90E+02	1.56E+00	1.20E-03	3.28E-01	2.18E-01	2.11E+00	1.75E+00	2.84E+02	3.28E+00	1.11E+00	2.90E+02
600	488854.24	3861301.87	21.8482	26.0924	28.702	14.68005	1.67E+00	2.78E+02	3.17E+00	8.39E-01	2.84E+02	1.62E+00	1.18E-03	3.17E-01	1.64E-01	2.10E+00	1.81E+00	2.78E+02	3.17E+00	8.39E-01	2.84E+02
601	490943.5	3860181.97	17.5697	12.5838	33.621	8.41593	1.34E+00	1.34E+02	3.72E+00	4.81E-01	1.40E+02	1.30E+00	5.67E-04	3.72E-01	9.42E-02	1.77E+00	1.46E+00	1.34E+02	3.72E+00	4.81E-01	1.40E+02
602	490993.5	3860181.97	17.9011	12.3266	33.321	8.21208	1.36E+00	1.32E+02	3.68E+00	4.70E-01	1.37E+02	1.33E+00	5.56E-04	3.68E-01	9.19E-02	1.79E+00	1.49E+00	1.32E+02	3.68E+00	4.70E-01	1.37E+02
603	491043.5	3860181.97	18.0787	12.0572	32.908	8.00669	1.38E+00	1.29E+02	3.64E+00	4.58E-01	1.34E+02	1.34E+00	5.44E-04	3.64E-01	8.96E-02	1.79E+00	1.50E+00	1.29E+02	3.64E+00	4.58E-01	1.34E+02
604	491093.5	3860181.97	18.0697	11.7708	32.347	7.73479	1.38E+00	1.26E+02	3.58E+00	4.42E-01	1.31E+02	1.34E+00	5.31E-04	3.58E-01	8.66E-02	1.78E+00	1.50E+00	1.26E+02	3.58E+00	4.42E-01	1.31E+02
605	490943.5	3860231.97	17.8189	13.027	33.231	7.49236	1.36E+00	1.39E+02	3.67E+00	4.28E-01	1.44E+02	1.32E+00	5.87E-04	3.67E-01	8.39E-02	1.77E+00	1.48E+00	1.39E+02	3.67E+00	4.28E-01	1.45E+02
606	490993.5	3860231.97	17.328	12.6484	33.187	7.53527	1.32E+00	1.35E+02	3.67E+00	4.31E-01	1.40E+02	1.28E+00	5.70E-04	3.67E-01	8.44E-02	1.73E+00	1.44E+00	1.35E+02	3.67E+00	4.31E-01	1.41E+02

607	491043.5	3860231.97	17.5086	12.3311	32.883	7.36532	1.33E+00	1.32E+02	3.64E+00	4.21E-01	1.37E+02	1.30E+00	5.56E-04	3.64E-01	8.24E-02	1.74E+00	1.45E+00	1.32E+02	3.64E+00	4.21E-01	1.37E+02
608	491093.5	3860231.97	17.692	12.0803	32.467	7.18922	1.35E+00	1.29E+02	3.59E+00	4.11E-01	1.34E+02	1.31E+00	5.45E-04	3.59E-01	8.05E-02	1.75E+00	1.47E+00	1.29E+02	3.59E+00	4.11E-01	1.34E+02
609	490943.5	3860281.97	17.9852	13.6515	32.636	6.814	1.37E+00	1.46E+02	3.61E+00	3.90E-01	1.51E+02	1.33E+00	6.15E-04	3.61E-01	7.63E-02	1.77E+00	1.49E+00	1.46E+02	3.61E+00	3.90E-01	1.51E+02
610	490993.5	3860281.97	17.6541	13.1881	32.74	6.52505	1.35E+00	1.41E+02	3.62E+00	3.73E-01	1.46E+02	1.31E+00	5.95E-04	3.62E-01	7.30E-02	1.74E+00	1.47E+00	1.41E+02	3.62E+00	3.73E-01	1.46E+02
611	491043.5	3860281.97	17.1478	12.758	32.635	6.14147	1.31E+00	1.36E+02	3.61E+00	3.51E-01	1.41E+02	1.27E+00	5.75E-04	3.61E-01	6.87E-02	1.70E+00	1.42E+00	1.36E+02	3.61E+00	3.51E-01	1.42E+02
612	491093.5	3860281.97	17.087	12.3788	32.4	6.07419	1.30E+00	1.32E+02	3.58E+00	3.47E-01	1.37E+02	1.27E+00	5.58E-04	3.58E-01	6.80E-02	1.69E+00	1.42E+00	1.32E+02	3.58E+00	3.47E-01	1.37E+02
613	490943.5	3860331.97	17.9198	14.1932	31.846	7.17578	1.37E+00	1.51E+02	3.52E+00	4.10E-01	1.57E+02	1.33E+00	6.40E-04	3.52E-01	8.03E-02	1.76E+00	1.49E+00	1.51E+02	3.52E+00	4.10E-01	1.57E+02
614	490993.5	3860331.97	17.7222	13.7722	32.033	6.84494	1.35E+00	1.47E+02	3.54E+00	3.91E-01	1.52E+02	1.31E+00	6.21E-04	3.54E-01	7.66E-02	1.74E+00	1.47E+00	1.47E+02	3.54E+00	3.91E-01	1.52E+02
615	491043.5	3860331.97	17.3921	13.3321	32.101	6.52094	1.33E+00	1.42E+02	3.55E+00	3.73E-01	1.48E+02	1.29E+00	6.01E-04	3.55E-01	7.30E-02	1.72E+00	1.44E+00	1.42E+02	3.55E+00	3.73E-01	1.48E+02
616	491093.5	3860331.97	16.9407	12.8763	32.051	6.20105	1.29E+00	1.37E+02	3.54E+00	3.55E-01	1.43E+02	1.25E+00	5.80E-04	3.54E-01	6.94E-02	1.68E+00	1.41E+00	1.37E+02	3.54E+00	3.55E-01	1.43E+02
617	490086.72	3859935.12	21.056	18.1503	32.957	13.69931	1.60E+00	1.94E+02	3.64E+00	7.83E-01	2.00E+02	1.56E+00	8.18E-04	3.64E-01	1.53E-01	2.08E+00	1.75E+00	1.94E+02	3.64E+00	7.83E-01	2.00E+02
618	490136.72	3859935.12	21.228	17.6129	32.79	13.2433	1.62E+00	1.88E+02	3.63E+00	7.57E-01	1.94E+02	1.57E+00	7.94E-04	3.63E-01	1.48E-01	2.08E+00	1.76E+00	1.88E+02	3.63E+00	7.57E-01	1.94E+02
619	490186.72	3859935.12	21.7672	17.0422	32.566	12.79974	1.66E+00	1.82E+02	3.60E+00	7.32E-01	1.88E+02	1.61E+00	7.68E-04	3.60E-01	1.43E-01	2.12E+00	1.81E+00	1.82E+02	3.60E+00	7.32E-01	1.88E+02
620	490236.72	3859935.12	22.0614	16.4427	33.711	12.36801	1.68E+00	1.75E+02	3.73E+00	7.07E-01	1.82E+02	1.63E+00	7.41E-04	3.73E-01	1.38E-01	2.15E+00	1.83E+00	1.75E+02	3.73E+00	7.07E-01	1.82E+02
621	490286.72	3859935.12	22.0822	15.8175	34.725	11.94353	1.68E+00	1.69E+02	3.84E+00	6.83E-01	1.75E+02	1.63E+00	7.13E-04	3.84E-01	1.34E-01	2.15E+00	1.83E+00	1.69E+02	3.84E+00	6.83E-01	1.75E+02
622	490336.72	3859935.12	21.8526	15.1698	35.556	11.53186	1.67E+00	1.62E+02	3.93E+00	6.59E-01	1.68E+02	1.62E+00	6.84E-04	3.93E-01	1.29E-01	2.14E+00	1.81E+00	1.62E+02	3.93E+00	6.59E-01	1.68E+02
623	490386.72	3859935.12	21.4048	14.5525	36.225	11.13612	1.63E+00	1.55E+02	4.01E+00	6.37E-01	1.62E+02	1.58E+00	6.56E-04	4.01E-01	1.25E-01	2.11E+00	1.78E+00	1.55E+02	4.01E+00	6.37E-01	1.62E+02
624	490436.72	3859935.12	20.8194	14.0781	36.688	10.75094	1.59E+00	1.50E+02	4.06E+00	6.15E-01	1.56E+02	1.54E+00	6.35E-04	4.06E-01	1.20E-01	2.07E+00	1.73E+00	1.50E+02	4.06E+00	6.15E-01	1.57E+02
625	490486.72	3859935.12	20.6457	13.7339	36.979	10.37964	1.57E+00	1.47E+02	4.09E+00	5.94E-01	1.53E+02	1.53E+00	6.19E-04	4.09E-01	1.16E-01	2.05E+00	1.71E+00	1.47E+02	4.09E+00	5.94E-01	1.53E+02
626	490536.72	3859935.12	20.3511	13.3698	37.204	10.03267	1.55E+00	1.43E+02	4.11E+00	5.74E-01	1.49E+02	1.51E+00	6.03E-04	4.11E-01	1.12E-01	2.03E+00	1.69E+00	1.43E+02	4.11E+00	5.74E-01	1.49E+02
627	490586.72	3859935.12	19.9009	12.987	37.285	9.70757	1.52E+00	1.39E+02	4.12E+00	5.55E-01	1.45E+02	1.47E+00	5.85E-04	4.12E-01	1.09E-01	1.99E+00	1.65E+00	1.39E+02	4.12E+00	5.55E-01	1.45E+02
628	490636.72	3859935.12	19.687	12.6033	37.093	9.37947	1.50E+00	1.34E+02	4.10E+00	5.36E-01	1.41E+02	1.46E+00	5.68E-04	4.10E-01	1.05E-01	1.97E+00	1.63E+00	1.34E+02	4.10E+00	5.36E-01	1.41E+02
629	490686.72	3859935.12	20.1554	12.4833	36.913	9.10444	1.54E+00	1.33E+02	4.08E+00	5.21E-01	1.39E+02	1.49E+00	5.63E-04	4.08E-01	1.02E-01	2.00E+00	1.67E+00	1.33E+02	4.08E+00	5.21E-01	1.39E+02
630	490736.72	3859935.12	20.37	12.1244	36.481	8.82238	1.55E+00	1.29E+02	4.03E+00	5.04E-01	1.35E+02	1.51E+00	5.47E-04	4.03E-01	9.88E-02	2.01E+00	1.69E+00	1.29E+02	4.03E+00	5.04E-01	1.36E+02
631	490086.72	3859985.12	21.8045	18.5836	33.01	14.29038	1.66E+00	1.98E+02	3.65E+00	8.17E-01	2.04E+02	1.61E+00	8.38E-04	3.65E-01	1.60E-01	2.14E+00	1.81E+00	1.98E+02	3.65E+00	8.17E-01	2.05E+02
632	490136.72	3859985.12	20.7851	18.1118	33.233	13.93454	1.58E+00	1.93E+02	3.67E+00	7.97E-01	1.99E+02	1.54E+00	8.16E-04	3.67E-01	1.56E-01	2.06E+00	1.73E+00	1.93E+02	3.67E+00	7.97E-01	1.99E+02
633	490186.72	3859985.12	20.7304	17.628	33.093	13.58165	1.58E+00	1.88E+02	3.66E+00	7.77E-01	1.94E+02	1.53E+00	7.95E-04	3.66E-01	1.52E-01	2.05E+00	1.72E+00	1.88E+02	3.66E+00	7.77E-01	1.94E+02
634	490236.72	3859985.12	21.3236	17.109	32.592	13.22798	1.63E+00	1.83E+02	3.60E+00	7.56E-01	1.89E+02	1.58E+00	7.71E-04	3.60E-01	1.48E-01	2.09E+00	1.77E+00	1.83E+02	3.60E+00	7.56E-01	1.89E+02
635	490286.72	3859985.12	21.6396	16.5651	32.924	12.85868	1.65E+00	1.77E+02	3.64E+00	7.35E-01	1.83E+02	1.60E+00	7.47E-04	3.64E-01	1.44E-01	2.11E+00	1.80E+00	1.77E+02	3.64E+00	7.35E-01	1.83E+02
636	490336.72	3859985.12	21.708	15.9931	33.933	12.48835	1.65E+00	1.71E+02	3.75E+00	7.14E-01	1.77E+02	1.61E+00	7.21E-04	3.75E-01	1.40E-01	2.12E+00	1.80E+00	1.71E+02	3.75E+00	7.14E-01	1.77E+02
637	490386.72	3859985.12	21.4985	15.3984	34.731	12.11495	1.64E+00	1.64E+02	3.84E+00	6.93E-01	1.70E+02	1.59E+00	6.94E-04	3.84E-01	1.36E-01	2.11E+00	1.78E+00	1.64E+02	3.84E+00	6.93E-01	1.71E+02
638	490436.72	3859985.12	21.0903	14.7789	35.391	11.75039	1.61E+00	1.58E+02	3.91E+00	6.72E-01	1.64E+02	1.56E+00	6.66E-04	3.91E-01	1.32E-01	2.08E+00	1.75E+00	1.58E+02	3.91E+00	6.72E-01	1.64E+02
639	490486.72	3859985.12	20.4935	14.2129	35.897	11.39131	1.56E+00	1.52E+02	3.97E+00	6.51E-01	1.58E+02	1.52E+00	6.41E-04	3.97E-01	1.28E-01	2.04E+00	1.70E+00	1.52E+02	3.97E+00	6.51E-01	1.58E+02
640	490536.72	3859985.12	20.339	13.764	36.279	11.03983	1.55E+00	1.47E+02	4.01E+00	6.31E-01	1.53E+02	1.51E+00	6.20E-04	4.01E-01	1.24E-01	2.03E+00	1.69E+00	1.47E+02	4.01E+00	6.31E-01	1.53E+02
641	490586.72	3859985.12	20.0854	13.4373	36.526	10.698	1.53E+00	1.43E+02	4.04E+00	6.12E-01	1.50E+02	1.49E+00	6.06E-04	4.04E-01	1.20E-01	2.01E+00	1.67E+00	1.43E+02	4.04E+00	6.12E-01	1.50E+02
642	490636.72	3859985.12	19.6794	13.0943	36.639	10.36993	1.50E+00	1.40E+02	4.05E+00	5.93E-01	1.46E+02	1.46E+00	5.90E-04	4.05E-01	1.16E-01	1.98E+00	1.63E+00	1.40E+02	4.05E+00	5.93E-01	1.46E+02
643	490686.72	3859985.12	19.291	12.9597	36.694	10.07887	1.47E+00	1.38E+02	4.06E+00	5.76E-01	1.44E+02	1.43E+00	5.84E-04	4.06E-01	1.13E-01	1.95E+00	1.60E+00	1.38E+02	4.06E+00	5.76E-01	1.45E+02
644	490736.72	3859985.12	19.6897	12.615	36.376	9.74818	1.50E+00	1.35E+02	4.02E+00	5.57E-01	1.41E+02	1.46E+00	5.69E-04	4.02E-01	1.09E-01	1.97E+00	1.63E+00	1.35E+02	4.02E+00	5.57E-01	1.41E+02
645	490786.72	3859985.12	19.9	12.2541	35.907	9.42307	1.52E+00	1.31E+02	3.97E+00	5.39E-01	1.37E+02	1.47E+00	5.52E-04	3.97E-01	1.05E-01	1.98E+00	1.65E+00	1.31E+02	3.97E+00	5.39E-01	1.37E+02
646	490086.72	3860035.12	22.2746	19.0601	32.621	13.649	1.70E+00	2.03E+02	3.61E+00	7.80E-01	2.09E+02	1.65E+00	8.59E-04	3.61E-01	1.53E-01	2.16E+00	1.85E+00	2.03E+02	3.61E+00	7.80E-01	2.10E+02
647	490136.72	3860035.12	21.4859	18.5684	33.251	13.47143	1.64E+00	1.98E+02	3.68E+00	7.70E-01	2.04E+02	1.59E+00	8.37E-04	3.68E-01	1.51E-01	2.11E+00	1.78E+00	1.98E+02	3.68E+00	7.70E-01	2.04E+02
648	490186.72	3860035.12	20.5259	18.0325	33.481	13.2725	1.56E+00	1.92E+02	3.70E+00	7.59E-01	1.98E+02	1.52E+00	8.13E-04	3.70E-01	1.49E-01	2.04E+00	1.70E+00	1.92E+02	3.70E+00	7.59E-01	1.99E+02
649	490236.72	3860035.12	20.2348	17.5971	33.316	13.05315	1.54E+00	1.88E+02	3.68E+00	7.46E-01	1.94E+02	1.50E+00	7.93E-04	3.68E-01	1.46E-01	2.01E+00	1.68E+00	1.88E+02	3.68E+00	7.46E-01	1.94E+02
650	490286.72	3860035.12	20.8097	17.1386	32.75	12.81136	1.59E+00	1.83E+02	3.62E+00	7.33E-01	1.89E+02	1.54E+00	7.73E-04	3.62E-01	1.43E-01	2.05E+00	1.73E+00	1.83E+02	3.62E+00	7.33E-01	1.89E+02
651	490336.72	3860035.12	21.1909	16.6443	32.318	12.56168	1.62E+00	1.78E+02	3.57E+00	7.18E-01	1.84E+02	1.57E+00	7.50E-04	3.57E-01	1.41E-01	2.07E+00	1.76E+00	1.78E+02	3.57E+00	7.18E-01	1.84E+02
652	490386.72	3860035.12	21.2742	16.1251	33.087	12.28678	1.62E+00	1.72E+02	3.66E+00	7.03E-01	1.78E+02	1.57E+00	7.27E-04	3.66E-01	1.38E-01	2.08E+00	1.77E+00	1.72E+02	3.66E+00	7.03E-01	1.78E+02
653	490436.72	3860035.12	21.1377	15.5752	33.919	12.00716	1.61E+00	1.66E+02	3.75E+00	6.87E-01	1.72E+02	1.56E+00	7.02E-04	3.75E-01	1.34E-01	2.08E+00	1.75E+00	1.66E+02	3.75E+00	6.87E-01	1.72E+02
654	490486.72	3860035.12	20.7922	15.0023	34.604	11.72134	1.58E+00	1.60E+02	3.83E+00	6.70E-01	1.66E+02	1.54E+00	6.76E-04	3.83E-01	1.31E-01	2.05E+00	1.73E+00	1.60E+02	3.83E+00	6.70E-01	1.66E+02
655	490536.72	3860035.12	20.2743	14.4092	35.17	11.43085	1.55E+00	1.54E+02	3.89E+00	6.54E-01	1.60E+02	1.50E+00	6.50E-04	3.89E-01	1.28E-01	2.02E+00	1.68E+00	1.54E+02	3.89E+00	6.54E-01	1.60E+02
656	490586.72	3860035.12	20.0115	13.8881	35.562	11.13505	1.53E+00	1.48E+02	3.93E+00	6.37E-01	1.54E+02	1.48E+00	6.26E-04	3.93E-01	1.25E-01	2.00E+00	1.66E+00	1.48E+02	3.93E+00	6.37E-01	1.54E+02
657	490636.72	3860035.12	19.7453	13.4675	35.738	10.8334	1.51E+00	1.44E+02	3.95E+00	6.19E-01	1.50E+02	1.46E+00	6.07E-04	3.95E-01	1.21E-01	1.98E+00	1.64E+00	1.44E+02	3.95E+00	6.19E-01	1.50E+02
658	490686.72	3860035.12	19.3814	13.1624	35.871	10.5361	1.48E+00	1.40E+02	3.97E+00	6.02E-01	1.47E+02	1.43E+00	5.93E-04	3.97E-01	1.18E-01	1.95E+00	1.61E+00	1.40E+02	3.97E+00	6.02E-01	1.47E+02
659	490736.72	3860035.12	18.935	12.8344	35.987	10.26339	1.44E+00	1.37E+02	3.98E+00	5.87E-01	1.43E+02	1.40E+00	5.79E-04	3.98E-01	1.15E-01	1.92E+00	1.57E+00	1.37E+02	3.98E+00	5.87E-01	1.43E+02
660	490786.72	3860035.12	19.1554	12.506	35.727	9.96078	1.46E+00	1.33E+02	3.95E+00	5.70E-01	1.39E+02	1.42E+00	5.64E-04	3.95E-01	1.12E-01	1.93E+00	1.59E+00	1.33E+02	3.95E+00	5.70E-01	1.40E+02
661	490836.72	3860035.12	19.4062	12.1709	35.302	9.65492	1.48E+00	1.30E+02	3.90E+00	5.52E-01	1.36E+02	1.44E+00	5.49E-04	3.90E-01	1.08E-01	1.94E+00	1.61E+00	1.30E+02	3.90E+00	5.52E-01	1.36E+02
662	490086.72	3860085.12	22.5608	19.6884	32.01	12.27545	1.72E+00	2.10E+02	3.54E+00	7.02E-01	2.16E+02	1.67E+00	8.88E-04	3.54E-01	1.37E-01	2.16E+00	1.87E+00	2.10E+02	3.54E+00	7.02E-01	2.16E+02
663	490136.72	3860085.12	21.9238	18.9351	32.835	12.23775	1.67E+00	2.02E+02	3.63E+00	7.00E-01	2.08E+02	1.62E+00	8.54E-04	3.63E-01	1.37E-01	2.12E+00	1.82E+00	2.02E+02	3.63E+00	7.00E-01	2.08E+02
664	490186.72	3860085.12	21.2085	18.4975	33.507	12.21398	1.62E+00	1.97E+02	3.70E+00	6.98E-01	2.03E+02	1.57E+00	8.34E-04	3.70E-01	1.37E-01	2.08E+00	1.76E+00	1.97E+02	3.70E+00	6.98E-01	2.04E+02
665	490236.72	3860085.12	20.2775	18.0248	33.696	12.14445	1.55E+00	1.92E+02	3.73E+00	6.94E-01	1.98E+02	1.50E+00	8.13E-04	3.73E-01	1.36E-01	2.01E+00	1.68E+00	1.92E+02	3.73E+00	6.94E-01	1.98E+02
666	490286.72	3860085.12	19.7605	17.5196	33.498	12.04707	1.51E+00	1.87E+02	3.70E+00	6.89E-01	1.93E+02	1.46E+00	7.90E-04	3.70E-01	1.35E-01	1.97E+00	1.64E+00	1.87E+02	3.70E+00	6.89E-01	1.93E+02
667	490336.72	3860085.12	20.3427	17.1166	32.914	11.92168	1.55E+00	1.83E+02	3.64E+00	6.82E-01	1.89E+02	1.51E+00	7.72E-04	3.64E-01	1.33E-01	2.00E+00	1.69E+00	1.83E+02	3.64E+00	6.82E-01	1.89E+02

668	490386.72	3860085.12	20.7104	16.6773	32.022	11.77587	1.58E+00	1.78E+02	3.54E+00	6.73E-01	1.84E+02	1.53E+00	7.52E-04	3.54E-01	1.32E-01	2.02E+00	1.72E+00	1.78E+02	3.54E+00	6.73E-01	1.84E+02
669	490436.72	3860085.12	20.8568	16.2061	32.287	11.61065	1.59E+00	1.73E+02	3.57E+00	6.64E-01	1.79E+02	1.54E+00	7.31E-04	3.57E-01	1.30E-01	2.03E+00	1.73E+00	1.73E+02	3.57E+00	6.64E-01	1.79E+02
670	490486.72	3860085.12	20.7659	15.706	33.115	11.41283	1.58E+00	1.68E+02	3.66E+00	6.53E-01	1.74E+02	1.54E+00	7.08E-04	3.66E-01	1.28E-01	2.03E+00	1.72E+00	1.68E+02	3.66E+00	6.53E-01	1.74E+02
671	490536.72	3860085.12	20.4957	15.1765	33.843	11.21187	1.56E+00	1.62E+02	3.74E+00	6.41E-01	1.68E+02	1.52E+00	6.84E-04	3.74E-01	1.26E-01	2.02E+00	1.70E+00	1.62E+02	3.74E+00	6.41E-01	1.68E+02
672	490586.72	3860085.12	20.0214	14.6265	34.416	11.00643	1.53E+00	1.56E+02	3.81E+00	6.29E-01	1.62E+02	1.48E+00	6.59E-04	3.81E-01	1.23E-01	1.99E+00	1.66E+00	1.56E+02	3.81E+00	6.29E-01	1.62E+02
673	490636.72	3860085.12	19.6467	14.0614	34.799	10.73927	1.50E+00	1.50E+02	3.85E+00	6.14E-01	1.56E+02	1.45E+00	6.34E-04	3.85E-01	1.20E-01	1.96E+00	1.63E+00	1.50E+02	3.85E+00	6.14E-01	1.56E+02
674	490686.72	3860085.12	19.4717	13.5828	35.085	10.56173	1.48E+00	1.45E+02	3.88E+00	6.04E-01	1.51E+02	1.44E+00	6.12E-04	3.88E-01	1.18E-01	1.95E+00	1.62E+00	1.45E+02	3.88E+00	6.04E-01	1.51E+02
675	490736.72	3860085.12	19.155	13.1818	35.256	10.32192	1.46E+00	1.41E+02	3.90E+00	5.90E-01	1.47E+02	1.42E+00	5.94E-04	3.90E-01	1.16E-01	1.92E+00	1.59E+00	1.41E+02	3.90E+00	5.90E-01	1.47E+02
676	490786.72	3860085.12	18.6861	12.8962	35.275	10.07861	1.42E+00	1.38E+02	3.90E+00	5.76E-01	1.44E+02	1.38E+00	5.81E-04	3.90E-01	1.13E-01	1.89E+00	1.55E+00	1.38E+02	3.90E+00	5.76E-01	1.44E+02
677	490836.72	3860085.12	18.6014	12.6007	35.046	9.82144	1.42E+00	1.34E+02	3.87E+00	5.62E-01	1.40E+02	1.38E+00	5.68E-04	3.87E-01	1.10E-01	1.88E+00	1.54E+00	1.34E+02	3.87E+00	5.62E-01	1.40E+02
678	490086.72	3860135.12	22.3264	19.4286	30.601	12.53025	1.70E+00	2.07E+02	3.38E+00	7.17E-01	2.13E+02	1.65E+00	8.76E-04	3.38E-01	1.40E-01	2.13E+00	1.85E+00	2.07E+02	3.38E+00	7.17E-01	2.13E+02
679	490136.72	3860135.12	22.0727	19.0797	31.994	11.99124	1.68E+00	2.04E+02	3.54E+00	6.86E-01	2.10E+02	1.63E+00	8.60E-04	3.54E-01	1.34E-01	2.12E+00	1.83E+00	2.04E+02	3.54E+00	6.86E-01	2.10E+02
680	490186.72	3860135.12	21.5941	18.7575	33.018	11.42962	1.65E+00	2.00E+02	3.65E+00	6.54E-01	2.06E+02	1.60E+00	8.46E-04	3.65E-01	1.28E-01	2.09E+00	1.79E+00	2.00E+02	3.65E+00	6.54E-01	2.06E+02
681	490236.72	3860135.12	20.8727	18.3921	33.574	10.84583	1.59E+00	1.96E+02	3.71E+00	6.20E-01	2.02E+02	1.55E+00	8.29E-04	3.71E-01	1.21E-01	2.04E+00	1.73E+00	1.96E+02	3.71E+00	6.20E-01	2.02E+02
682	490286.72	3860135.12	19.9906	17.9765	33.767	10.70754	1.52E+00	1.92E+02	3.73E+00	6.12E-01	1.98E+02	1.48E+00	8.10E-04	3.73E-01	1.20E-01	1.97E+00	1.66E+00	1.92E+02	3.73E+00	6.12E-01	1.98E+02
683	490336.72	3860135.12	19.2697	17.5188	33.574	10.75588	1.47E+00	1.87E+02	3.71E+00	6.15E-01	1.93E+02	1.43E+00	7.90E-04	3.71E-01	1.20E-01	1.92E+00	1.60E+00	1.87E+02	3.71E+00	6.15E-01	1.93E+02
684	490386.72	3860135.12	19.8715	17.0502	33.003	10.76649	1.51E+00	1.82E+02	3.65E+00	6.16E-01	1.88E+02	1.47E+00	7.69E-04	3.65E-01	1.21E-01	1.96E+00	1.65E+00	1.82E+02	3.65E+00	6.16E-01	1.88E+02
685	490436.72	3860135.12	20.2513	16.6632	32.107	10.74343	1.54E+00	1.78E+02	3.55E+00	6.14E-01	1.84E+02	1.50E+00	7.51E-04	3.55E-01	1.20E-01	1.98E+00	1.68E+00	1.78E+02	3.55E+00	6.14E-01	1.84E+02
686	490486.72	3860135.12	20.435	16.2406	31.505	10.62396	1.56E+00	1.73E+02	3.48E+00	6.08E-01	1.79E+02	1.51E+00	7.32E-04	3.48E-01	1.19E-01	1.98E+00	1.70E+00	1.73E+02	3.48E+00	6.08E-01	1.79E+02
687	490536.72	3860135.12	20.43	15.7861	32.387	10.53151	1.56E+00	1.68E+02	3.58E+00	6.02E-01	1.74E+02	1.51E+00	7.12E-04	3.58E-01	1.18E-01	1.99E+00	1.70E+00	1.68E+02	3.58E+00	6.02E-01	1.74E+02
688	490586.72	3860135.12	20.2008	15.3063	33.106	10.38013	1.54E+00	1.63E+02	3.66E+00	5.94E-01	1.69E+02	1.50E+00	6.90E-04	3.66E-01	1.16E-01	1.98E+00	1.68E+00	1.63E+02	3.66E+00	5.94E-01	1.69E+02
689	490636.72	3860135.12	19.7583	14.799	33.671	10.20555	1.51E+00	1.58E+02	3.72E+00	5.84E-01	1.64E+02	1.46E+00	6.67E-04	3.72E-01	1.14E-01	1.95E+00	1.64E+00	1.58E+02	3.72E+00	5.84E-01	1.64E+02
690	490686.72	3860135.12	19.2993	14.2706	34.083	10.01524	1.47E+00	1.52E+02	3.77E+00	5.73E-01	1.58E+02	1.43E+00	6.43E-04	3.77E-01	1.12E-01	1.92E+00	1.60E+00	1.52E+02	3.77E+00	5.73E-01	1.58E+02
691	490736.72	3860135.12	19.1552	13.7295	34.376	9.87113	1.46E+00	1.47E+02	3.80E+00	5.64E-01	1.52E+02	1.42E+00	6.19E-04	3.80E-01	1.11E-01	1.91E+00	1.59E+00	1.47E+02	3.80E+00	5.64E-01	1.52E+02
692	490786.72	3860135.12	18.8848	13.2928	34.579	9.81295	1.44E+00	1.42E+02	3.82E+00	5.61E-01	1.48E+02	1.40E+00	5.99E-04	3.82E-01	1.10E-01	1.89E+00	1.57E+00	1.42E+02	3.82E+00	5.61E-01	1.48E+02
693	490836.72	3860135.12	18.4145	12.9135	34.542	9.59371	1.40E+00	1.38E+02	3.82E+00	5.49E-01	1.44E+02	1.36E+00	5.82E-04	3.82E-01	1.07E-01	1.85E+00	1.53E+00	1.38E+02	3.82E+00	5.49E-01	1.44E+02
694	490086.72	3860185.12	21.918	19.8969	31.862	12.69192	1.67E+00	2.12E+02	3.52E+00	7.26E-01	2.18E+02	1.62E+00	8.97E-04	3.52E-01	1.42E-01	2.12E+00	1.82E+00	2.12E+02	3.52E+00	7.26E-01	2.18E+02
695	490136.72	3860185.12	21.9485	19.3641	30.829	12.4562	1.67E+00	2.07E+02	3.41E+00	7.12E-01	2.12E+02	1.62E+00	8.73E-04	3.41E-01	1.39E-01	2.11E+00	1.82E+00	2.07E+02	3.41E+00	7.12E-01	2.13E+02
696	490186.72	3860185.12	21.7218	18.7895	32.172	12.14763	1.66E+00	2.01E+02	3.56E+00	6.95E-01	2.06E+02	1.61E+00	8.47E-04	3.56E-01	1.36E-01	2.10E+00	1.80E+00	2.01E+02	3.56E+00	6.95E-01	2.07E+02
697	490236.72	3860185.12	21.2414	18.5402	33.09	11.77632	1.62E+00	1.98E+02	3.66E+00	6.73E-01	2.04E+02	1.57E+00	8.36E-04	3.66E-01	1.32E-01	2.07E+00	1.76E+00	1.98E+02	3.66E+00	6.73E-01	2.04E+02
698	490286.72	3860185.12	20.5611	18.2363	33.629	11.36348	1.57E+00	1.95E+02	3.72E+00	6.50E-01	2.01E+02	1.52E+00	8.22E-04	3.72E-01	1.27E-01	2.02E+00	1.71E+00	1.95E+02	3.72E+00	6.50E-01	2.01E+02
699	490336.72	3860185.12	19.7063	17.8815	33.783	10.91914	1.50E+00	1.91E+02	3.74E+00	6.24E-01	1.97E+02	1.46E+00	8.06E-04	3.74E-01	1.22E-01	1.96E+00	1.64E+00	1.91E+02	3.74E+00	6.24E-01	1.97E+02
700	490386.72	3860185.12	18.7759	17.4808	33.574	10.45366	1.43E+00	1.87E+02	3.71E+00	5.98E-01	1.92E+02	1.39E+00	7.88E-04	3.71E-01	1.17E-01	1.88E+00	1.56E+00	1.87E+02	3.71E+00	5.98E-01	1.92E+02
701	490436.72	3860185.12	19.3986	17.0368	33.027	9.94429	1.48E+00	1.82E+02	3.65E+00	5.69E-01	1.88E+02	1.44E+00	7.68E-04	3.65E-01	1.11E-01	1.91E+00	1.61E+00	1.82E+02	3.65E+00	5.69E-01	1.88E+02
702	490486.72	3860185.12	19.8166	16.602	32.173	9.36213	1.51E+00	1.77E+02	3.56E+00	5.35E-01	1.83E+02	1.47E+00	7.48E-04	3.56E-01	1.05E-01	1.93E+00	1.65E+00	1.77E+02	3.56E+00	5.35E-01	1.83E+02
703	490536.72	3860185.12	20.0448	16.2286	31.089	9.14659	1.53E+00	1.73E+02	3.44E+00	5.23E-01	1.79E+02	1.48E+00	7.32E-04	3.44E-01	1.02E-01	1.93E+00	1.66E+00	1.73E+02	3.44E+00	5.23E-01	1.79E+02
704	490586.72	3860185.12	20.0846	15.8236	31.672	9.19727	1.53E+00	1.69E+02	3.50E+00	5.26E-01	1.74E+02	1.49E+00	7.13E-04	3.50E-01	1.03E-01	1.94E+00	1.67E+00	1.69E+02	3.50E+00	5.26E-01	1.75E+02
705	490636.72	3860185.12	19.8799	15.384	32.371	9.14305	1.52E+00	1.64E+02	3.58E+00	5.23E-01	1.70E+02	1.47E+00	6.93E-04	3.58E-01	1.02E-01	1.93E+00	1.65E+00	1.64E+02	3.58E+00	5.23E-01	1.70E+02
706	490686.72	3860185.12	19.5049	14.9228	32.969	9.12384	1.49E+00	1.59E+02	3.65E+00	5.22E-01	1.65E+02	1.44E+00	6.73E-04	3.65E-01	1.02E-01	1.91E+00	1.62E+00	1.59E+02	3.65E+00	5.22E-01	1.65E+02
707	490736.72	3860185.12	18.9472	14.4339	33.374	8.99725	1.44E+00	1.54E+02	3.69E+00	5.14E-01	1.60E+02	1.40E+00	6.51E-04	3.69E-01	1.01E-01	1.87E+00	1.57E+00	1.54E+02	3.69E+00	5.14E-01	1.60E+02
708	490786.72	3860185.12	18.8459	13.9302	33.695	8.95398	1.44E+00	1.49E+02	3.73E+00	5.12E-01	1.54E+02	1.40E+00	6.28E-04	3.73E-01	1.00E-01	1.87E+00	1.56E+00	1.49E+02	3.73E+00	5.12E-01	1.54E+02
709	490836.72	3860185.12	18.583	13.4114	33.867	8.87994	1.42E+00	1.43E+02	3.74E+00	5.08E-01	1.49E+02	1.38E+00	6.05E-04	3.74E-01	9.94E-02	1.85E+00	1.54E+00	1.43E+02	3.74E+00	5.08E-01	1.49E+02
710	490086.72	3860235.12	21.3013	20.0878	33.87	13.74237	1.62E+00	2.14E+02	3.74E+00	7.86E-01	2.21E+02	1.58E+00	9.06E-04	3.74E-01	1.54E-01	2.11E+00	1.77E+00	2.14E+02	3.74E+00	7.86E-01	2.21E+02
711	490136.72	3860235.12	21.5515	19.7097	31.62	13.23631	1.64E+00	2.10E+02	3.50E+00	7.57E-01	2.16E+02	1.60E+00	8.88E-04	3.50E-01	1.48E-01	2.09E+00	1.79E+00	2.10E+02	3.50E+00	7.57E-01	2.16E+02
712	490186.72	3860235.12	21.5749	19.2569	30.994	12.68323	1.64E+00	2.06E+02	3.43E+00	7.25E-01	2.11E+02	1.60E+00	8.68E-04	3.43E-01	1.42E-01	2.08E+00	1.79E+00	2.06E+02	3.43E+00	7.25E-01	2.11E+02
713	490236.72	3860235.12	21.3492	18.7411	32.244	12.09774	1.63E+00	2.00E+02	3.56E+00	6.92E-01	2.06E+02	1.58E+00	8.45E-04	3.56E-01	1.35E-01	2.07E+00	1.77E+00	2.00E+02	3.56E+00	6.92E-01	2.06E+02
714	490286.72	3860235.12	20.8998	18.2751	33.123	11.50098	1.59E+00	1.95E+02	3.66E+00	6.58E-01	2.01E+02	1.55E+00	8.24E-04	3.66E-01	1.29E-01	2.04E+00	1.74E+00	1.95E+02	3.66E+00	6.58E-01	2.01E+02
715	490336.72	3860235.12	20.2563	18.0337	33.639	11.15404	1.54E+00	1.92E+02	3.72E+00	6.38E-01	1.98E+02	1.50E+00	8.13E-04	3.72E-01	1.25E-01	2.00E+00	1.68E+00	1.92E+02	3.72E+00	6.38E-01	1.98E+02
716	490386.72	3860235.12	19.4426	17.7392	33.784	10.88808	1.48E+00	1.89E+02	3.74E+00	6.23E-01	1.95E+02	1.44E+00	8.00E-04	3.74E-01	1.22E-01	1.94E+00	1.61E+00	1.89E+02	3.74E+00	6.23E-01	1.95E+02
717	490436.72	3860235.12	18.4895	17.3954	33.588	10.52491	1.41E+00	1.86E+02	3.71E+00	6.02E-01	1.91E+02	1.37E+00	7.84E-04	3.71E-01	1.18E-01	1.86E+00	1.54E+00	1.86E+02	3.71E+00	6.02E-01	1.91E+02
718	490486.72	3860235.12	18.9524	17.0059	33.04	10.06619	1.44E+00	1.81E+02	3.65E+00	5.76E-01	1.87E+02	1.40E+00	7.67E-04	3.65E-01	1.13E-01	1.88E+00	1.57E+00	1.81E+02	3.65E+00	5.76E-01	1.87E+02
719	490536.72	3860235.12	19.408	16.5722	32.231	9.63747	1.48E+00	1.77E+02	3.56E+00	5.51E-01	1.82E+02	1.44E+00	7.47E-04	3.56E-01	1.08E-01	1.90E+00	1.61E+00	1.77E+02	3.56E+00	5.51E-01	1.83E+02
720	490586.72	3860235.12	19.6714	16.1701	31.18	9.21674	1.50E+00	1.73E+02	3.45E+00	5.27E-01	1.78E+02	1.46E+00	7.29E-04	3.45E-01	1.03E-01	1.90E+00	1.63E+00	1.73E+02	3.45E+00	5.27E-01	1.78E+02
721	490636.72	3860235.12	19.7254	15.8112	30.956	8.77757	1.50E+00	1.69E+02	3.42E+00	5.02E-01	1.74E+02	1.46E+00	7.13E-04	3.42E-01	9.83E-02	1.90E+00	1.64E+00	1.69E+02	3.42E+00	5.02E-01	1.74E+02
722	490686.72	3860235.12	19.5834	15.4225	31.687	8.345	1.49E+00	1.65E+02	3.50E+00	4.77E-01	1.70E+02	1.45E+00	6.95E-04	3.50E-01	9.34E-02	1.89E+00	1.63E+00	1.65E+02	3.50E+00	4.77E-01	1.70E+02
723	490736.72	3860235.12	19.2368	15.0011	32.27	7.89347	1.47E+00	1.60E+02	3.57E+00	4.51E-01	1.66E+02	1.42E+00	6.76E-04	3.57E-01	8.84E-02	1.87E+00	1.60E+00	1.60E+02	3.57E+00	4.51E-01	1.66E+02
724	490786.72	3860235.12	18.7164	14.5543	32.711	7.5225	1.43E+00	1.55E+02	3.62E+00	4.30E-01	1.61E+02	1.39E+00	6.56E-04	3.62E-01	8.42E-02	1.83E+00	1.55E+00	1.55E+02	3.62E+00	4.30E-01	1.61E+02
725	490086.72	3860285.12	20.7464	20.0017	35.262	13.50792	1.58E+00	2.13E+02	3.90E+00	7.72E-01	2.20E+02	1.54E+00	9.02E-04	3.90E-01	1.51E-01	2.08E+00	1.72E+00	2.13E+02	3.90E+00	7.72E-01	2.20E+02
726	490136.72	3860285.12	20.9287	19.784	33.574	13.35672	1.60E+00	2.11E+02	3.71E+00	7.64E-01	2.17E+02	1.55E+00	8.92E-04	3.71E-01	1.50E-01	2.07E+00	1.74E+00	2.11E+02	3.71E+00	7.64E-01	2.17E+02
727	490186.72	3860285.12	21.1711	19.4834	31.244	13.09875	1.61E+00	2.08E+02	3.45E+00	7.49E-01	2.14E+02	1.57E+00	8.78E-04	3.45E-01	1.47E-01	2.06E+00	1.76E+00	2.08E+02	3.45E+00	7.49E-01	2.14E+02
728	490236.72	3860285.12	21.2049	19.1044	31.1	12.75797	1.62E+00	2.04E+02	3.44E+00	7.30E-01	2.10E+02	1.57E+00	8.61E-04	3.44E-01	1.43E-01	2.06E+00	1.76E+00	2.04E+02	3.44E+00	7.30E-01	2.10E+02

729	490286.72	3860285.12	20.9868	18.6598	32.274	12.34556	1.60E+00	1.99E+02	3.57E+00	7.06E-01	2.05E+02	1.55E+00	8.41E-04	3.57E-01	1.38E-01	2.05E+00	1.74E+00	1.99E+02	3.57E+00	7.06E-01	2.05E+02
730	490336.72	3860285.12	20.5622	18.1517	33.111	11.8875	1.57E+00	1.94E+02	3.66E+00	6.80E-01	2.00E+02	1.52E+00	8.18E-04	3.66E-01	1.33E-01	2.02E+00	1.71E+00	1.94E+02	3.66E+00	6.80E-01	2.00E+02
731	490386.72	3860285.12	19.9631	17.7865	33.622	11.37686	1.52E+00	1.90E+02	3.72E+00	6.51E-01	1.96E+02	1.48E+00	8.02E-04	3.72E-01	1.27E-01	1.98E+00	1.66E+00	1.90E+02	3.72E+00	6.51E-01	1.96E+02
732	490436.72	3860285.12	19.1873	17.5507	33.752	10.76994	1.46E+00	1.87E+02	3.73E+00	6.16E-01	1.93E+02	1.42E+00	7.91E-04	3.73E-01	1.21E-01	1.92E+00	1.59E+00	1.87E+02	3.73E+00	6.16E-01	1.93E+02
733	490486.72	3860285.12	18.2737	17.2628	33.553	10.18338	1.39E+00	1.84E+02	3.71E+00	5.82E-01	1.90E+02	1.35E+00	7.78E-04	3.71E-01	1.14E-01	1.84E+00	1.52E+00	1.84E+02	3.71E+00	5.82E-01	1.90E+02
734	490536.72	3860285.12	18.5168	16.9236	33.017	9.67526	1.41E+00	1.81E+02	3.65E+00	5.53E-01	1.86E+02	1.37E+00	7.63E-04	3.65E-01	1.08E-01	1.84E+00	1.54E+00	1.81E+02	3.65E+00	5.53E-01	1.86E+02
735	490586.72	3860285.12	18.9852	16.543	32.216	9.3621	1.45E+00	1.77E+02	3.56E+00	5.35E-01	1.82E+02	1.41E+00	7.46E-04	3.56E-01	1.05E-01	1.87E+00	1.58E+00	1.77E+02	3.56E+00	5.35E-01	1.82E+02
736	490636.72	3860285.12	19.2744	16.1234	31.188	9.05525	1.47E+00	1.72E+02	3.45E+00	5.18E-01	1.77E+02	1.43E+00	7.27E-04	3.45E-01	1.01E-01	1.87E+00	1.60E+00	1.72E+02	3.45E+00	5.18E-01	1.78E+02
737	490686.72	3860285.12	19.3755	15.757	30.267	8.75105	1.48E+00	1.68E+02	3.35E+00	5.00E-01	1.73E+02	1.43E+00	7.10E-04	3.35E-01	9.80E-02	1.87E+00	1.61E+00	1.68E+02	3.35E+00	5.00E-01	1.74E+02
738	490736.72	3860285.12	19.2684	15.4117	30.995	8.39893	1.47E+00	1.64E+02	3.43E+00	4.80E-01	1.70E+02	1.43E+00	6.95E-04	3.43E-01	9.40E-02	1.86E+00	1.60E+00	1.64E+02	3.43E+00	4.80E-01	1.70E+02
739	490786.72	3860285.12	18.9805	15.0389	31.606	8.0552	1.45E+00	1.60E+02	3.49E+00	4.61E-01	1.66E+02	1.41E+00	6.78E-04	3.49E-01	9.02E-02	1.85E+00	1.58E+00	1.60E+02	3.49E+00	4.61E-01	1.66E+02
740	490086.72	3860335.12	20.2784	19.6623	36.054	12.14755	1.55E+00	2.10E+02	3.99E+00	6.95E-01	2.16E+02	1.50E+00	8.86E-04	3.99E-01	1.36E-01	2.04E+00	1.68E+00	2.10E+02	3.99E+00	6.95E-01	2.16E+02
741	490136.72	3860335.12	20.4151	19.5954	35.012	12.33689	1.56E+00	2.09E+02	3.87E+00	7.05E-01	2.15E+02	1.51E+00	8.83E-04	3.87E-01	1.38E-01	2.04E+00	1.69E+00	2.09E+02	3.87E+00	7.05E-01	2.15E+02
742	490186.72	3860335.12	20.5506	19.4476	33.177	12.41405	1.57E+00	2.08E+02	3.67E+00	7.10E-01	2.13E+02	1.52E+00	8.77E-04	3.67E-01	1.39E-01	2.03E+00	1.71E+00	2.08E+02	3.67E+00	7.10E-01	2.14E+02
743	490236.72	3860335.12	20.8157	19.2164	30.931	12.38974	1.59E+00	2.05E+02	3.42E+00	7.08E-01	2.11E+02	1.54E+00	8.66E-04	3.42E-01	1.39E-01	2.02E+00	1.73E+00	2.05E+02	3.42E+00	7.08E-01	2.11E+02
744	490286.72	3860335.12	20.8322	18.9117	31.14	12.26634	1.59E+00	2.02E+02	3.44E+00	7.01E-01	2.08E+02	1.54E+00	8.53E-04	3.44E-01	1.37E-01	2.02E+00	1.73E+00	2.02E+02	3.44E+00	7.01E-01	2.08E+02
745	490336.72	3860335.12	20.6344	18.5349	32.268	12.01669	1.57E+00	1.98E+02	3.57E+00	6.87E-01	2.04E+02	1.53E+00	8.36E-04	3.57E-01	1.35E-01	2.02E+00	1.71E+00	1.98E+02	3.57E+00	6.87E-01	2.04E+02
746	490386.72	3860335.12	20.2435	18.0919	33.081	11.65697	1.54E+00	1.93E+02	3.66E+00	6.67E-01	1.99E+02	1.50E+00	8.16E-04	3.66E-01	1.30E-01	2.00E+00	1.68E+00	1.93E+02	3.66E+00	6.67E-01	1.99E+02
747	490436.72	3860335.12	19.6671	17.589	33.552	11.23677	1.50E+00	1.88E+02	3.71E+00	6.43E-01	1.94E+02	1.46E+00	7.93E-04	3.71E-01	1.26E-01	1.95E+00	1.63E+00	1.88E+02	3.71E+00	6.43E-01	1.94E+02
748	490486.72	3860335.12	18.9285	17.3174	33.674	10.76215	1.44E+00	1.85E+02	3.72E+00	6.15E-01	1.91E+02	1.40E+00	7.81E-04	3.72E-01	1.20E-01	1.89E+00	1.57E+00	1.85E+02	3.72E+00	6.15E-01	1.91E+02
749	490536.72	3860335.12	18.0643	17.0848	33.494	10.30942	1.38E+00	1.82E+02	3.70E+00	5.90E-01	1.88E+02	1.34E+00	7.70E-04	3.70E-01	1.15E-01	1.82E+00	1.50E+00	1.82E+02	3.70E+00	5.90E-01	1.88E+02
750	490586.72	3860335.12	18.0968	16.7996	32.97	9.7787	1.38E+00	1.79E+02	3.65E+00	5.59E-01	1.85E+02	1.34E+00	7.57E-04	3.65E-01	1.09E-01	1.81E+00	1.50E+00	1.79E+02	3.65E+00	5.59E-01	1.85E+02
751	490636.72	3860335.12	18.5901	16.4723	32.2	9.29762	1.42E+00	1.76E+02	3.56E+00	5.32E-01	1.81E+02	1.38E+00	7.43E-04	3.56E-01	1.04E-01	1.84E+00	1.54E+00	1.76E+02	3.56E+00	5.32E-01	1.81E+02
752	490686.72	3860335.12	18.9045	16.1042	31.197	8.83455	1.44E+00	1.72E+02	3.45E+00	5.05E-01	1.77E+02	1.40E+00	7.26E-04	3.45E-01	9.89E-02	1.84E+00	1.57E+00	1.72E+02	3.45E+00	5.05E-01	1.77E+02
753	490736.72	3860335.12	19.0321	15.699	30.208	8.38583	1.45E+00	1.68E+02	3.34E+00	4.80E-01	1.73E+02	1.41E+00	7.08E-04	3.34E-01	9.39E-02	1.84E+00	1.58E+00	1.68E+02	3.34E+00	4.80E-01	1.73E+02
754	490786.72	3860335.12	18.9912	15.3699	30.37	8.19313	1.45E+00	1.64E+02	3.36E+00	4.69E-01	1.69E+02	1.41E+00	6.93E-04	3.36E-01	9.17E-02	1.83E+00	1.58E+00	1.64E+02	3.36E+00	4.69E-01	1.69E+02
755	490086.72	3860385.12	19.9795	19.1236	36.334	10.29547	1.52E+00	2.04E+02	4.02E+00	5.89E-01	2.10E+02	1.48E+00	8.62E-04	4.02E-01	1.15E-01	2.00E+00	1.66E+00	2.04E+02	4.02E+00	5.89E-01	2.10E+02
756	490136.72	3860385.12	19.9692	19.1821	35.937	10.70378	1.52E+00	2.05E+02	3.97E+00	6.12E-01	2.11E+02	1.48E+00	8.65E-04	3.97E-01	1.20E-01	2.00E+00	1.66E+00	2.05E+02	3.97E+00	6.12E-01	2.11E+02
757	490186.72	3860385.12	20.0623	19.1723	34.599	10.99676	1.53E+00	2.05E+02	3.83E+00	6.29E-01	2.11E+02	1.49E+00	8.64E-04	3.83E-01	1.23E-01	1.99E+00	1.67E+00	2.05E+02	3.83E+00	6.29E-01	2.11E+02
758	490236.72	3860385.12	20.188	19.0849	32.795	11.21933	1.54E+00	2.04E+02	3.63E+00	6.42E-01	2.09E+02	1.49E+00	8.60E-04	3.63E-01	1.26E-01	1.98E+00	1.68E+00	2.04E+02	3.63E+00	6.42E-01	2.10E+02
759	490286.72	3860385.12	20.4308	18.922	30.427	11.30169	1.56E+00	2.02E+02	3.36E+00	6.46E-01	2.07E+02	1.51E+00	8.53E-04	3.36E-01	1.27E-01	1.98E+00	1.70E+00	2.02E+02	3.36E+00	6.46E-01	2.08E+02
760	490336.72	3860385.12	20.4662	18.6825	31.137	11.27905	1.56E+00	1.99E+02	3.44E+00	6.45E-01	2.05E+02	1.52E+00	8.42E-04	3.44E-01	1.26E-01	1.99E+00	1.70E+00	1.99E+02	3.44E+00	6.45E-01	2.05E+02
761	490386.72	3860385.12	20.2922	18.3694	32.228	11.15163	1.55E+00	1.96E+02	3.56E+00	6.38E-01	2.02E+02	1.50E+00	8.28E-04	3.56E-01	1.25E-01	1.98E+00	1.68E+00	1.96E+02	3.56E+00	6.38E-01	2.02E+02
762	490436.72	3860385.12	19.9259	17.9865	33.006	10.96344	1.52E+00	1.92E+02	3.65E+00	6.27E-01	1.98E+02	1.48E+00	8.11E-04	3.65E-01	1.23E-01	1.96E+00	1.65E+00	1.92E+02	3.65E+00	6.27E-01	1.98E+02
763	490486.72	3860385.12	19.3874	17.5445	33.471	10.74066	1.48E+00	1.87E+02	3.70E+00	6.14E-01	1.93E+02	1.44E+00	7.91E-04	3.70E-01	1.20E-01	1.93E+00	1.61E+00	1.87E+02	3.70E+00	6.14E-01	1.93E+02
764	490536.72	3860385.12	18.6874	17.0482	33.596	10.43695	1.42E+00	1.82E+02	3.71E+00	5.97E-01	1.88E+02	1.38E+00	7.69E-04	3.71E-01	1.17E-01	1.87E+00	1.55E+00	1.82E+02	3.71E+00	5.97E-01	1.88E+02
765	490586.72	3860385.12	17.8501	16.8686	33.402	10.08503	1.36E+00	1.80E+02	3.69E+00	5.77E-01	1.86E+02	1.32E+00	7.60E-04	3.69E-01	1.13E-01	1.80E+00	1.48E+00	1.80E+02	3.69E+00	5.77E-01	1.86E+02
766	490636.72	3860385.12	17.6918	16.6368	32.901	9.68038	1.35E+00	1.78E+02	3.64E+00	5.54E-01	1.83E+02	1.31E+00	7.50E-04	3.64E-01	1.08E-01	1.78E+00	1.47E+00	1.78E+02	3.64E+00	5.54E-01	1.83E+02
767	490686.72	3860385.12	18.2095	16.365	32.166	9.31081	1.39E+00	1.75E+02	3.56E+00	5.32E-01	1.80E+02	1.35E+00	7.38E-04	3.56E-01	1.04E-01	1.81E+00	1.51E+00	1.75E+02	3.56E+00	5.32E-01	1.80E+02
768	490736.72	3860385.12	18.5348	16.0435	31.167	8.88137	1.41E+00	1.71E+02	3.45E+00	5.08E-01	1.77E+02	1.37E+00	7.23E-04	3.45E-01	9.94E-02	1.82E+00	1.54E+00	1.71E+02	3.45E+00	5.08E-01	1.77E+02
769	490786.72	3860385.12	18.6939	15.6852	30.179	8.4836	1.42E+00	1.67E+02	3.34E+00	4.85E-01	1.73E+02	1.38E+00	7.07E-04	3.34E-01	9.50E-02	1.81E+00	1.55E+00	1.67E+02	3.34E+00	4.85E-01	1.73E+02
770	490136.72	3860435.12	19.6586	18.6091	36.172	8.94489	1.50E+00	1.99E+02	4.00E+00	5.12E-01	2.05E+02	1.46E+00	8.39E-04	4.00E-01	1.00E-01	1.96E+00	1.63E+00	1.99E+02	4.00E+00	5.12E-01	2.05E+02
771	490186.72	3860435.12	19.6259	18.7043	35.585	9.34676	1.50E+00	2.00E+02	3.93E+00	5.34E-01	2.06E+02	1.45E+00	8.43E-04	3.93E-01	1.05E-01	1.95E+00	1.63E+00	2.00E+02	3.93E+00	5.34E-01	2.06E+02
772	490236.72	3860435.12	19.7363	18.7376	34.256	9.66049	1.50E+00	2.00E+02	3.79E+00	5.52E-01	2.06E+02	1.46E+00	8.45E-04	3.79E-01	1.08E-01	1.95E+00	1.64E+00	2.00E+02	3.79E+00	5.52E-01	2.06E+02
773	490286.72	3860435.12	19.821	18.7032	32.335	9.88905	1.51E+00	2.00E+02	3.58E+00	5.65E-01	2.05E+02	1.47E+00	8.43E-04	3.58E-01	1.11E-01	1.94E+00	1.65E+00	2.00E+02	3.58E+00	5.65E-01	2.05E+02
774	490336.72	3860435.12	20.0569	18.594	29.933	10.00992	1.53E+00	1.98E+02	3.31E+00	5.72E-01	2.04E+02	1.48E+00	8.38E-04	3.31E-01	1.12E-01	1.93E+00	1.67E+00	1.98E+02	3.31E+00	5.72E-01	2.04E+02
775	490386.72	3860435.12	20.1072	18.414	31.096	10.10204	1.53E+00	1.97E+02	3.44E+00	5.78E-01	2.02E+02	1.49E+00	8.30E-04	3.44E-01	1.13E-01	1.95E+00	1.67E+00	1.97E+02	3.44E+00	5.78E-01	2.02E+02
776	490436.72	3860435.12	19.9573	18.1611	32.154	10.11099	1.52E+00	1.94E+02	3.55E+00	5.78E-01	1.99E+02	1.48E+00	8.19E-04	3.55E-01	1.13E-01	1.95E+00	1.66E+00	1.94E+02	3.55E+00	5.78E-01	2.00E+02
777	490486.72	3860435.12	19.6171	17.8395	32.903	10.05267	1.50E+00	1.90E+02	3.64E+00	5.75E-01	1.96E+02	1.45E+00	8.04E-04	3.64E-01	1.13E-01	1.93E+00	1.63E+00	1.90E+02	3.64E+00	5.75E-01	1.96E+02
778	490536.72	3860435.12	19.1073	17.4568	33.349	9.95884	1.46E+00	1.86E+02	3.69E+00	5.69E-01	1.92E+02	1.41E+00	7.87E-04	3.69E-01	1.11E-01	1.90E+00	1.59E+00	1.86E+02	3.69E+00	5.69E-01	1.92E+02
779	490586.72	3860435.12	18.4335	17.0138	33.457	9.77176	1.41E+00	1.82E+02	3.70E+00	5.59E-01	1.87E+02	1.36E+00	7.67E-04	3.70E-01	1.09E-01	1.84E+00	1.53E+00	1.82E+02	3.70E+00	5.59E-01	1.87E+02
780	490636.72	3860435.12	17.6227	16.6095	33.255	9.5296	1.34E+00	1.77E+02	3.68E+00	5.45E-01	1.83E+02	1.30E+00	7.49E-04	3.68E-01	1.07E-01	1.78E+00	1.46E+00	1.77E+02	3.68E+00	5.45E-01	1.83E+02
781	490686.72	3860435.12	17.2894	16.4337	32.792	9.28525	1.32E+00	1.75E+02	3.63E+00	5.31E-01	1.81E+02	1.28E+00	7.41E-04	3.63E-01	1.04E-01	1.75E+00	1.44E+00	1.75E+02	3.63E+00	5.31E-01	1.81E+02
782	490736.72	3860435.12	17.8271	16.2153	32.088	9.03695	1.36E+00	1.73E+02	3.55E+00	5.17E-01	1.78E+02	1.32E+00	7.31E-04	3.55E-01	1.01E-01	1.78E+00	1.48E+00	1.73E+02	3.55E+00	5.17E-01	1.79E+02
783	490786.72	3860435.12	18.1773	15.9453	31.121	8.70532	1.39E+00	1.70E+02	3.44E+00	4.98E-01	1.75E+02	1.35E+00	7.19E-04	3.44E-01	9.75E-02	1.79E+00	1.51E+00	1.70E+02	3.44E+00	4.98E-01	1.76E+02
784	490136.72	3860485.12	19.5524	17.9486	36.108	8.99776	1.49E+00	1.92E+02	3.99E+00	5.15E-01	1.98E+02	1.45E+00	8.09E-04	3.99E-01	1.01E-01	1.95E+00	1.62E+00	1.92E+02	3.99E+00	5.15E-01	1.98E+02
785	490186.72	3860485.12	19.3581	18.1086	36.04	8.93919	1.48E+00	1.93E+02	3.98E+00	5.11E-01	1.99E+02	1.43E+00	8.16E-04	3.98E-01	1.00E-01	1.93E+00	1.61E+00	1.93E+02	3.98E+00	5.11E-01	1.99E+02
786	490236.72	3860485.12	19.2889	18.2259	35.203	8.86655	1.47E+00	1.95E+02	3.89E+00	5.07E-01	2.00E+02	1.43E+00	8.22E-04	3.89E-01	9.93E-02	1.92E+00	1.60E+00	1.95E+02	3.89E+00	5.07E-01	2.01E+02
787	490286.72	3860485.12	19.4057	18.2946	33.84	8.79399	1.48E+00	1.95E+02	3.74E+00	5.03E-01	2.01E+02	1.44E+00	8.25E-04	3.74E-01	9.84E-02	1.91E+00	1.61E+00	1.95E+02	3.74E+00	5.03E-01	2.01E+02
788	490336.72	3860485.12	19.4594	18.3007	31.851	8.70332	1.48E+00	1.95E+02	3.52E+00	4.98E-01	2.01E+02	1.44E+00	8.25E-04	3.52E-01	9.74E-02	1.89E+00	1.62E+00	1.95E+02	3.52E+00	4.98E-01	2.01E+02
789	490386.72	3860485.12	19.7156	18.2449	29.755	8.88672	1.50E+00	1.95E+02	3.29E+00	5.08E-01	2.00E+02	1.46E+00	8.22E-04	3.29E-01	9.95E-02	1.89E+00	1.64E+00	1.95E+02	3.29E+00	5.08E-01	2.00E+02

790	490436.72	3860485.12	19.7939	18.1219	31.091	9.07908	1.51E+00	1.93E+02	3.44E+00	5.19E-01	1.99E+02	1.47E+00	8.17E-04	3.44E-01	1.02E-01	1.91E+00	1.64E+00	1.93E+02	3.44E+00	5.19E-01	1.99E+02
791	490486.72	3860485.12	19.6502	17.9236	32.087	9.11408	1.50E+00	1.91E+02	3.55E+00	5.21E-01	1.97E+02	1.45E+00	8.08E-04	3.55E-01	1.02E-01	1.91E+00	1.63E+00	1.91E+02	3.55E+00	5.21E-01	1.97E+02
792	490536.72	3860485.12	19.3192	17.658	32.782	9.09236	1.47E+00	1.88E+02	3.62E+00	5.20E-01	1.94E+02	1.43E+00	7.96E-04	3.62E-01	1.02E-01	1.90E+00	1.60E+00	1.88E+02	3.62E+00	5.20E-01	1.94E+02
793	490586.72	3860485.12	18.8215	17.3295	33.18	9.03747	1.43E+00	1.85E+02	3.67E+00	5.17E-01	1.91E+02	1.39E+00	7.81E-04	3.67E-01	1.01E-01	1.86E+00	1.56E+00	1.85E+02	3.67E+00	5.17E-01	1.91E+02
794	490636.72	3860485.12	18.1886	16.9469	33.305	8.98391	1.39E+00	1.81E+02	3.68E+00	5.14E-01	1.86E+02	1.35E+00	7.64E-04	3.68E-01	1.01E-01	1.82E+00	1.51E+00	1.81E+02	3.68E+00	5.14E-01	1.87E+02
795	490686.72	3860485.12	17.4056	16.5032	33.102	8.83442	1.33E+00	1.76E+02	3.66E+00	5.05E-01	1.82E+02	1.29E+00	7.44E-04	3.66E-01	9.89E-02	1.75E+00	1.45E+00	1.76E+02	3.66E+00	5.05E-01	1.82E+02
796	490736.72	3860485.12	16.8965	16.1974	32.66	8.70058	1.29E+00	1.73E+02	3.61E+00	4.98E-01	1.78E+02	1.25E+00	7.30E-04	3.61E-01	9.74E-02	1.71E+00	1.40E+00	1.73E+02	3.61E+00	4.98E-01	1.78E+02
797	490786.72	3860485.12	17.4371	16.0239	31.961	8.52135	1.33E+00	1.71E+02	3.53E+00	4.87E-01	1.76E+02	1.29E+00	7.22E-04	3.53E-01	9.54E-02	1.74E+00	1.45E+00	1.71E+02	3.53E+00	4.87E-01	1.76E+02
798	490136.72	3860535.12	19.7756	17.2788	35.472	9.13791	1.51E+00	1.84E+02	3.92E+00	5.23E-01	1.90E+02	1.46E+00	7.79E-04	3.92E-01	1.02E-01	1.96E+00	1.64E+00	1.84E+02	3.92E+00	5.23E-01	1.90E+02
799	490186.72	3860535.12	19.2835	17.4617	36.236	9.10412	1.47E+00	1.86E+02	4.01E+00	5.21E-01	1.92E+02	1.43E+00	7.87E-04	4.01E-01	1.02E-01	1.93E+00	1.60E+00	1.86E+02	4.01E+00	5.21E-01	1.92E+02
800	490236.72	3860535.12	19.0433	17.6213	35.753	9.0173	1.45E+00	1.88E+02	3.95E+00	5.16E-01	1.94E+02	1.41E+00	7.94E-04	3.95E-01	1.01E-01	1.91E+00	1.58E+00	1.88E+02	3.95E+00	5.16E-01	1.94E+02
801	490286.72	3860535.12	18.9618	17.7531	34.812	8.93853	1.45E+00	1.89E+02	3.85E+00	5.11E-01	1.95E+02	1.40E+00	8.00E-04	3.85E-01	1.00E-01	1.89E+00	1.57E+00	1.89E+02	3.85E+00	5.11E-01	1.95E+02
802	490336.72	3860535.12	19.0756	17.8485	33.38	8.86134	1.45E+00	1.90E+02	3.69E+00	5.07E-01	1.96E+02	1.41E+00	8.05E-04	3.69E-01	9.92E-02	1.88E+00	1.58E+00	1.90E+02	3.69E+00	5.07E-01	1.96E+02
803	490386.72	3860535.12	19.1407	17.8967	31.521	8.78354	1.46E+00	1.91E+02	3.49E+00	5.02E-01	1.96E+02	1.42E+00	8.07E-04	3.49E-01	9.83E-02	1.86E+00	1.59E+00	1.91E+02	3.49E+00	5.02E-01	1.97E+02
804	490436.72	3860535.12	19.4088	17.8844	29.782	8.69568	1.48E+00	1.91E+02	3.29E+00	4.97E-01	1.96E+02	1.44E+00	8.06E-04	3.29E-01	9.73E-02	1.86E+00	1.61E+00	1.91E+02	3.29E+00	4.97E-01	1.96E+02
805	490486.72	3860535.12	19.481	17.8085	31.042	8.59604	1.48E+00	1.90E+02	3.43E+00	4.92E-01	1.95E+02	1.44E+00	8.03E-04	3.43E-01	9.62E-02	1.88E+00	1.62E+00	1.90E+02	3.43E+00	4.92E-01	1.96E+02
806	490536.72	3860535.12	19.42	17.6799	32.128	8.51503	1.48E+00	1.89E+02	3.55E+00	4.87E-01	1.94E+02	1.44E+00	7.97E-04	3.55E-01	9.53E-02	1.89E+00	1.61E+00	1.89E+02	3.55E+00	4.87E-01	1.94E+02
807	490586.72	3860535.12	19.039	17.4504	32.659	8.35925	1.45E+00	1.86E+02	3.61E+00	4.78E-01	1.92E+02	1.41E+00	7.87E-04	3.61E-01	9.36E-02	1.86E+00	1.58E+00	1.86E+02	3.61E+00	4.78E-01	1.92E+02
808	490636.72	3860535.12	18.5632	17.1753	33.031	8.23488	1.41E+00	1.83E+02	3.65E+00	4.71E-01	1.89E+02	1.37E+00	7.74E-04	3.65E-01	9.22E-02	1.83E+00	1.54E+00	1.83E+02	3.65E+00	4.71E-01	1.89E+02
809	490686.72	3860535.12	17.9516	16.8458	33.139	8.17152	1.37E+00	1.80E+02	3.66E+00	4.67E-01	1.85E+02	1.33E+00	7.59E-04	3.66E-01	9.15E-02	1.79E+00	1.49E+00	1.80E+02	3.66E+00	4.67E-01	1.85E+02
810	490736.72	3860535.12	17.2004	16.4559	32.942	8.09674	1.31E+00	1.76E+02	3.64E+00	4.63E-01	1.81E+02	1.27E+00	7.42E-04	3.64E-01	9.06E-02	1.73E+00	1.43E+00	1.76E+02	3.64E+00	4.63E-01	1.81E+02
811	490786.72	3860535.12	16.5166	16.0229	32.515	8.03451	1.26E+00	1.71E+02	3.59E+00	4.59E-01	1.76E+02	1.22E+00	7.22E-04	3.59E-01	8.99E-02	1.67E+00	1.37E+00	1.71E+02	3.59E+00	4.59E-01	1.76E+02
812	490136.72	3860585.12	19.8258	16.9847	34.622	9.28223	1.51E+00	1.81E+02	3.83E+00	5.31E-01	1.87E+02	1.47E+00	7.66E-04	3.83E-01	1.04E-01	1.96E+00	1.65E+00	1.81E+02	3.83E+00	5.31E-01	1.87E+02
813	490186.72	3860585.12	19.374	16.8088	35.086	9.17559	1.48E+00	1.79E+02	3.88E+00	5.25E-01	1.85E+02	1.43E+00	7.58E-04	3.88E-01	1.03E-01	1.93E+00	1.61E+00	1.79E+02	3.88E+00	5.25E-01	1.85E+02
814	490236.72	3860585.12	18.874	16.9858	35.617	9.13743	1.44E+00	1.81E+02	3.94E+00	5.23E-01	1.87E+02	1.40E+00	7.66E-04	3.94E-01	1.02E-01	1.89E+00	1.57E+00	1.81E+02	3.94E+00	5.23E-01	1.87E+02
815	490286.72	3860585.12	18.7299	17.1532	35.405	9.08271	1.43E+00	1.83E+02	3.91E+00	5.19E-01	1.89E+02	1.39E+00	7.73E-04	3.91E-01	1.02E-01	1.88E+00	1.55E+00	1.83E+02	3.91E+00	5.19E-01	1.89E+02
816	490336.72	3860585.12	18.6537	17.2961	34.454	9.00839	1.42E+00	1.85E+02	3.81E+00	5.15E-01	1.90E+02	1.38E+00	7.80E-04	3.81E-01	1.01E-01	1.86E+00	1.55E+00	1.85E+02	3.81E+00	5.15E-01	1.90E+02
817	490386.72	3860585.12	18.7612	17.4078	32.944	8.92579	1.43E+00	1.86E+02	3.64E+00	5.10E-01	1.91E+02	1.39E+00	7.85E-04	3.64E-01	9.99E-02	1.85E+00	1.56E+00	1.86E+02	3.64E+00	5.10E-01	1.91E+02
818	490436.72	3860585.12	18.8574	17.4971	31.312	8.87438	1.44E+00	1.87E+02	3.46E+00	5.07E-01	1.92E+02	1.40E+00	7.89E-04	3.46E-01	9.93E-02	1.84E+00	1.57E+00	1.87E+02	3.46E+00	5.07E-01	1.92E+02
819	490486.72	3860585.12	19.1722	17.5301	29.895	8.80716	1.46E+00	1.87E+02	3.31E+00	5.04E-01	1.92E+02	1.42E+00	7.90E-04	3.31E-01	9.86E-02	1.85E+00	1.59E+00	1.87E+02	3.31E+00	5.04E-01	1.92E+02
820	490536.72	3860585.12	19.2253	17.4924	31.06	8.69368	1.47E+00	1.87E+02	3.43E+00	4.97E-01	1.92E+02	1.42E+00	7.89E-04	3.43E-01	9.73E-02	1.86E+00	1.60E+00	1.87E+02	3.43E+00	4.97E-01	1.92E+02
821	490586.72	3860585.12	19.0135	17.3628	31.799	8.52915	1.45E+00	1.85E+02	3.52E+00	4.88E-01	1.91E+02	1.41E+00	7.83E-04	3.52E-01	9.55E-02	1.86E+00	1.58E+00	1.85E+02	3.52E+00	4.88E-01	1.91E+02
822	490636.72	3860585.12	18.7397	17.2058	32.468	8.41794	1.43E+00	1.84E+02	3.59E+00	4.81E-01	1.89E+02	1.39E+00	7.76E-04	3.59E-01	9.42E-02	1.84E+00	1.56E+00	1.84E+02	3.59E+00	4.81E-01	1.89E+02
823	490686.72	3860585.12	18.299	16.9852	32.844	8.30017	1.39E+00	1.81E+02	3.63E+00	4.75E-01	1.87E+02	1.35E+00	7.66E-04	3.63E-01	9.29E-02	1.81E+00	1.52E+00	1.81E+02	3.63E+00	4.75E-01	1.87E+02
824	490736.72	3860585.12	17.713	16.7076	32.942	8.18068	1.35E+00	1.78E+02	3.64E+00	4.68E-01	1.84E+02	1.31E+00	7.53E-04	3.64E-01	9.16E-02	1.77E+00	1.47E+00	1.78E+02	3.64E+00	4.68E-01	1.84E+02
825	490786.72	3860585.12	16.9943	16.3701	32.752	8.05129	1.30E+00	1.75E+02	3.62E+00	4.60E-01	1.80E+02	1.26E+00	7.38E-04	3.62E-01	9.01E-02	1.71E+00	1.41E+00	1.75E+02	3.62E+00	4.60E-01	1.80E+02
826	490136.72	3860635.12	19.7028	16.8723	33.598	9.40758	1.50E+00	1.80E+02	3.71E+00	5.38E-01	1.86E+02	1.46E+00	7.61E-04	3.71E-01	1.05E-01	1.94E+00	1.64E+00	1.80E+02	3.71E+00	5.38E-01	1.86E+02
827	490186.72	3860635.12	19.5176	16.7338	34.72	9.34454	1.49E+00	1.79E+02	3.84E+00	5.34E-01	1.84E+02	1.44E+00	7.54E-04	3.84E-01	1.05E-01	1.93E+00	1.62E+00	1.79E+02	3.84E+00	5.34E-01	1.85E+02
828	490236.72	3860635.12	19.1086	16.5476	35.218	9.25797	1.46E+00	1.77E+02	3.89E+00	5.29E-01	1.82E+02	1.41E+00	7.46E-04	3.89E-01	1.04E-01	1.91E+00	1.59E+00	1.77E+02	3.89E+00	5.29E-01	1.83E+02
829	490286.72	3860635.12	18.5626	16.5512	35.398	9.19654	1.41E+00	1.77E+02	3.91E+00	5.26E-01	1.82E+02	1.37E+00	7.46E-04	3.91E-01	1.03E-01	1.87E+00	1.54E+00	1.77E+02	3.91E+00	5.26E-01	1.83E+02
830	490336.72	3860635.12	18.4245	16.7087	35.043	9.13807	1.40E+00	1.78E+02	3.87E+00	5.23E-01	1.84E+02	1.36E+00	7.53E-04	3.87E-01	1.02E-01	1.85E+00	1.53E+00	1.78E+02	3.87E+00	5.23E-01	1.84E+02
831	490386.72	3860635.12	18.3514	16.8562	34.071	9.0691	1.40E+00	1.80E+02	3.77E+00	5.19E-01	1.86E+02	1.36E+00	7.60E-04	3.77E-01	1.02E-01	1.84E+00	1.52E+00	1.80E+02	3.77E+00	5.19E-01	1.86E+02
832	490436.72	3860635.12	18.4595	16.978	32.522	8.98579	1.41E+00	1.81E+02	3.60E+00	5.14E-01	1.87E+02	1.37E+00	7.65E-04	3.60E-01	1.01E-01	1.83E+00	1.53E+00	1.81E+02	3.60E+00	5.14E-01	1.87E+02
833	490486.72	3860635.12	18.4765	17.0717	30.607	8.90263	1.41E+00	1.82E+02	3.38E+00	5.09E-01	1.87E+02	1.37E+00	7.70E-04	3.38E-01	9.97E-02	1.81E+00	1.53E+00	1.82E+02	3.38E+00	5.09E-01	1.88E+02
834	490536.72	3860635.12	18.7691	17.132	29.665	8.82569	1.43E+00	1.83E+02	3.28E+00	5.05E-01	1.88E+02	1.39E+00	7.72E-04	3.28E-01	9.88E-02	1.82E+00	1.56E+00	1.83E+02	3.28E+00	5.05E-01	1.88E+02
835	490586.72	3860635.12	18.8168	17.1173	30.76	8.70423	1.43E+00	1.83E+02	3.40E+00	4.98E-01	1.88E+02	1.39E+00	7.72E-04	3.40E-01	9.74E-02	1.83E+00	1.56E+00	1.83E+02	3.40E+00	4.98E-01	1.88E+02
836	490636.72	3860635.12	18.735	17.0632	31.678	8.60037	1.43E+00	1.82E+02	3.50E+00	4.92E-01	1.88E+02	1.39E+00	7.69E-04	3.50E-01	9.63E-02	1.83E+00	1.56E+00	1.82E+02	3.50E+00	4.92E-01	1.88E+02
837	490686.72	3860635.12	18.4717	16.9482	32.306	8.4866	1.41E+00	1.81E+02	3.57E+00	4.85E-01	1.86E+02	1.37E+00	7.64E-04	3.57E-01	9.50E-02	1.82E+00	1.53E+00	1.81E+02	3.57E+00	4.85E-01	1.86E+02
838	490736.72	3860635.12	18.0345	16.7674	32.631	8.36044	1.37E+00	1.79E+02	3.61E+00	4.78E-01	1.84E+02	1.34E+00	7.56E-04	3.61E-01	9.36E-02	1.79E+00	1.50E+00	1.79E+02	3.61E+00	4.78E-01	1.85E+02
839	490786.72	3860635.12	17.4766	16.5397	32.726	8.23999	1.33E+00	1.77E+02	3.62E+00	4.71E-01	1.82E+02	1.29E+00	7.46E-04	3.62E-01	9.22E-02	1.75E+00	1.45E+00	1.77E+02	3.62E+00	4.71E-01	1.82E+02
840	490136.72	3860685.12	19.2314	16.7447	31.596	9.44005	1.47E+00	1.79E+02	3.49E+00	5.40E-01	1.84E+02	1.42E+00	7.55E-04	3.49E-01	1.06E-01	1.88E+00	1.60E+00	1.79E+02	3.49E+00	5.40E-01	1.84E+02
841	490186.72	3860685.12	19.4706	16.6264	34.11	9.45824	1.48E+00	1.77E+02	3.77E+00	5.41E-01	1.83E+02	1.44E+00	7.49E-04	3.77E-01	1.06E-01	1.93E+00	1.62E+00	1.77E+02	3.77E+00	5.41E-01	1.83E+02
842	490236.72	3860685.12	19.2361	16.4958	34.856	9.39671	1.47E+00	1.76E+02	3.85E+00	5.37E-01	1.82E+02	1.42E+00	7.44E-04	3.85E-01	1.05E-01	1.92E+00	1.60E+00	1.76E+02	3.85E+00	5.37E-01	1.82E+02
843	490286.72	3860685.12	18.7628	16.3102	34.932	9.28153	1.43E+00	1.74E+02	3.86E+00	5.31E-01	1.80E+02	1.39E+00	7.35E-04	3.86E-01	1.04E-01	1.88E+00	1.56E+00	1.74E+02	3.86E+00	5.31E-01	1.80E+02
844	490336.72	3860685.12	18.2754	16.1694	35.223	9.25083	1.39E+00	1.73E+02	3.89E+00	5.29E-01	1.78E+02	1.35E+00	7.29E-04	3.89E-01	1.04E-01	1.85E+00	1.52E+00	1.73E+02	3.89E+00	5.29E-01	1.78E+02
845	490386.72	3860685.12	18.1437	16.2978	34.75	9.19223	1.38E+00	1.74E+02	3.84E+00	5.26E-01	1.80E+02	1.34E+00	7.35E-04	3.84E-01	1.03E-01	1.83E+00	1.51E+00	1.74E+02	3.84E+00	5.26E-01	1.80E+02
846	490436.72	3860685.12	18.0343	16.4294	33.585	9.10952	1.37E+00	1.75E+02	3.71E+00	5.21E-01	1.81E+02	1.34E+00	7.41E-04	3.71E-01	1.02E-01	1.81E+00	1.50E+00	1.75E+02	3.71E+00	5.21E-01	1.81E+02
847	490486.72	3860685.12	18.1266	16.5477	31.947	9.01962	1.38E+00	1.77E+02	3.53E+00	5.16E-01	1.82E+02	1.34E+00	7.46E-04	3.53E-01	1.01E-01	1.80E+00	1.50E+00	1.77E+02	3.53E+00	5.16E-01	1.82E+02
848	490536.72	3860685.12	18.1332	16.656	30.049	8.93936	1.38E+00	1.78E+02	3.32E+00	5.11E-01	1.83E+02	1.34E+00	7.51E-04	3.32E-01	1.00E-01	1.78E+00	1.51E+00	1.78E+02	3.32E+00	5.11E-01	1.83E+02
849	490586.72	3860685.12	18.402	16.7289	29.468	8.85028	1.40E+00	1.79E+02	3.26E+00	5.06E-01	1.84E+02	1.36E+00	7.54E-04	3.26E-01	9.91E-02	1.79E+00	1.53E+00	1.79E+02	3.26E+00	5.06E-01	1.84E+02
850	490636.72	3860685.12	18.5122	16.7635	30.618	8.75979	1.41E+00	1.79E+02	3.39E+00	5.01E-01	1.84E+02	1.37E+00	7.56E-04	3.39E-01	9.81E-02	1.81E+00	1.54E+00	1.79E+02	3.39E+00	5.01E-01	1.84E+02

851	490686.72	3860685.12	18.4575	16.7513	31.528	8.66563	1.41E+00	1.79E+02	3.49E+00	4.96E-01	1.84E+02	1.37E+00	7.55E-04	3.49E-01	9.70E-02	1.81E+00	1.53E+00	1.79E+02	3.49E+00	4.96E-01	1.84E+02
852	490736.72	3860685.12	18.2034	16.6717	32.119	8.5471	1.39E+00	1.78E+02	3.55E+00	4.89E-01	1.83E+02	1.35E+00	7.52E-04	3.55E-01	9.57E-02	1.80E+00	1.51E+00	1.78E+02	3.55E+00	4.89E-01	1.83E+02
853	490786.72	3860685.12	17.8346	16.5578	32.52	8.44479	1.36E+00	1.77E+02	3.60E+00	4.83E-01	1.82E+02	1.32E+00	7.46E-04	3.60E-01	9.45E-02	1.78E+00	1.48E+00	1.77E+02	3.60E+00	4.83E-01	1.82E+02
854	490136.72	3860735.12	18.8659	16.6294	30.901	9.43663	1.44E+00	1.77E+02	3.42E+00	5.40E-01	1.83E+02	1.40E+00	7.50E-04	3.42E-01	1.06E-01	1.84E+00	1.57E+00	1.77E+02	3.42E+00	5.40E-01	1.83E+02
855	490186.72	3860735.12	18.7751	16.4893	31.165	9.35316	1.43E+00	1.76E+02	3.45E+00	5.35E-01	1.81E+02	1.39E+00	7.43E-04	3.45E-01	1.05E-01	1.84E+00	1.56E+00	1.76E+02	3.45E+00	5.35E-01	1.82E+02
856	490236.72	3860735.12	18.8822	16.3649	32.925	9.35308	1.44E+00	1.75E+02	3.64E+00	5.35E-01	1.80E+02	1.40E+00	7.38E-04	3.64E-01	1.05E-01	1.87E+00	1.57E+00	1.75E+02	3.64E+00	5.35E-01	1.80E+02
857	490286.72	3860735.12	18.7846	16.2378	34.175	9.34123	1.43E+00	1.73E+02	3.78E+00	5.34E-01	1.79E+02	1.39E+00	7.32E-04	3.78E-01	1.05E-01	1.87E+00	1.56E+00	1.73E+02	3.78E+00	5.34E-01	1.79E+02
858	490336.72	3860735.12	18.4669	16.0897	34.796	9.31008	1.41E+00	1.72E+02	3.85E+00	5.32E-01	1.77E+02	1.37E+00	7.25E-04	3.85E-01	1.04E-01	1.86E+00	1.53E+00	1.72E+02	3.85E+00	5.32E-01	1.78E+02
859	490386.72	3860735.12	17.9704	15.9164	34.91	9.27782	1.37E+00	1.70E+02	3.86E+00	5.31E-01	1.76E+02	1.33E+00	7.17E-04	3.86E-01	1.04E-01	1.82E+00	1.49E+00	1.70E+02	3.86E+00	5.31E-01	1.76E+02
860	490436.72	3860735.12	17.9091	15.9313	34.638	9.25762	1.37E+00	1.70E+02	3.83E+00	5.29E-01	1.76E+02	1.33E+00	7.18E-04	3.83E-01	1.04E-01	1.81E+00	1.49E+00	1.70E+02	3.83E+00	5.29E-01	1.76E+02
861	490486.72	3860735.12	17.7827	16.0466	33.332	9.16854	1.36E+00	1.71E+02	3.69E+00	5.24E-01	1.77E+02	1.32E+00	7.23E-04	3.69E-01	1.03E-01	1.79E+00	1.48E+00	1.71E+02	3.69E+00	5.24E-01	1.77E+02
862	490536.72	3860735.12	17.8254	16.1423	31.468	9.05583	1.36E+00	1.72E+02	3.48E+00	5.18E-01	1.78E+02	1.32E+00	7.28E-04	3.48E-01	1.01E-01	1.77E+00	1.48E+00	1.72E+02	3.48E+00	5.18E-01	1.78E+02
863	490586.72	3860735.12	17.7986	16.2477	29.504	8.96856	1.36E+00	1.73E+02	3.26E+00	5.13E-01	1.79E+02	1.32E+00	7.32E-04	3.26E-01	1.00E-01	1.75E+00	1.48E+00	1.73E+02	3.26E+00	5.13E-01	1.79E+02
864	490636.72	3860735.12	18.0676	16.3343	29.296	8.88179	1.38E+00	1.74E+02	3.24E+00	5.08E-01	1.79E+02	1.34E+00	7.36E-04	3.24E-01	9.94E-02	1.76E+00	1.50E+00	1.74E+02	3.24E+00	5.08E-01	1.80E+02
865	490686.72	3860735.12	18.2057	16.4027	30.443	8.80463	1.39E+00	1.75E+02	3.37E+00	5.03E-01	1.80E+02	1.35E+00	7.39E-04	3.37E-01	9.86E-02	1.78E+00	1.51E+00	1.75E+02	3.37E+00	5.03E-01	1.80E+02
866	490736.72	3860735.12	18.1775	16.4271	31.348	8.71799	1.39E+00	1.75E+02	3.47E+00	4.99E-01	1.81E+02	1.35E+00	7.41E-04	3.47E-01	9.76E-02	1.79E+00	1.51E+00	1.75E+02	3.47E+00	4.99E-01	1.81E+02
867	490136.72	3860785.12	18.5763	16.6022	31.048	9.88877	1.42E+00	1.77E+02	3.43E+00	5.65E-01	1.83E+02	1.38E+00	7.48E-04	3.43E-01	1.11E-01	1.83E+00	1.54E+00	1.77E+02	3.43E+00	5.65E-01	1.83E+02
868	490186.72	3860785.12	18.4913	16.4177	30.162	9.42675	1.41E+00	1.75E+02	3.33E+00	5.39E-01	1.80E+02	1.37E+00	7.40E-04	3.33E-01	1.06E-01	1.81E+00	1.54E+00	1.75E+02	3.33E+00	5.39E-01	1.81E+02
869	490236.72	3860785.12	18.4531	16.2684	31.224	9.30549	1.41E+00	1.74E+02	3.45E+00	5.32E-01	1.79E+02	1.37E+00	7.33E-04	3.45E-01	1.04E-01	1.82E+00	1.53E+00	1.74E+02	3.45E+00	5.32E-01	1.79E+02
870	490286.72	3860785.12	18.558	16.1372	32.866	9.32347	1.41E+00	1.72E+02	3.63E+00	5.33E-01	1.78E+02	1.37E+00	7.27E-04	3.63E-01	1.04E-01	1.84E+00	1.54E+00	1.72E+02	3.63E+00	5.33E-01	1.78E+02
871	490336.72	3860785.12	18.4467	16.0054	33.938	9.31855	1.41E+00	1.71E+02	3.75E+00	5.33E-01	1.76E+02	1.37E+00	7.22E-04	3.75E-01	1.04E-01	1.85E+00	1.53E+00	1.71E+02	3.75E+00	5.33E-01	1.77E+02
872	490386.72	3860785.12	18.1776	15.8776	34.629	9.32178	1.39E+00	1.69E+02	3.83E+00	5.33E-01	1.75E+02	1.35E+00	7.16E-04	3.83E-01	1.04E-01	1.83E+00	1.51E+00	1.69E+02	3.83E+00	5.33E-01	1.75E+02
873	490436.72	3860785.12	17.6625	15.7113	34.533	9.28428	1.35E+00	1.68E+02	3.82E+00	5.31E-01	1.73E+02	1.31E+00	7.08E-04	3.82E-01	1.04E-01	1.79E+00	1.47E+00	1.68E+02	3.82E+00	5.31E-01	1.73E+02
874	490486.72	3860785.12	17.5918	15.586	34.054	9.25568	1.34E+00	1.66E+02	3.77E+00	5.29E-01	1.72E+02	1.30E+00	7.03E-04	3.77E-01	1.04E-01	1.78E+00	1.46E+00	1.66E+02	3.77E+00	5.29E-01	1.72E+02
875	490536.72	3860785.12	17.4612	15.6615	32.758	9.17713	1.33E+00	1.67E+02	3.62E+00	5.25E-01	1.73E+02	1.29E+00	7.06E-04	3.62E-01	1.03E-01	1.76E+00	1.45E+00	1.67E+02	3.62E+00	5.25E-01	1.73E+02
876	490586.72	3860785.12	17.5122	15.746	30.925	9.07283	1.33E+00	1.68E+02	3.42E+00	5.19E-01	1.73E+02	1.30E+00	7.10E-04	3.42E-01	1.02E-01	1.74E+00	1.45E+00	1.68E+02	3.42E+00	5.19E-01	1.73E+02
877	490636.72	3860785.12	17.4735	15.8509	28.977	8.99026	1.33E+00	1.69E+02	3.20E+00	5.14E-01	1.74E+02	1.29E+00	7.15E-04	3.20E-01	1.01E-01	1.72E+00	1.45E+00	1.69E+02	3.20E+00	5.14E-01	1.74E+02
878	490686.72	3860785.12	17.7566	15.9541	29.137	8.91274	1.35E+00	1.70E+02	3.22E+00	5.10E-01	1.75E+02	1.31E+00	7.19E-04	3.22E-01	9.98E-02	1.74E+00	1.47E+00	1.70E+02	3.22E+00	5.10E-01	1.75E+02
879	490736.72	3860785.12	17.9055	16.0434	30.252	8.83993	1.36E+00	1.71E+02	3.34E+00	5.05E-01	1.76E+02	1.33E+00	7.23E-04	3.34E-01	9.90E-02	1.76E+00	1.49E+00	1.71E+02	3.34E+00	5.05E-01	1.77E+02
880	490086.72	3860835.12	17.8605	17.0646	31.479	10.2047	1.36E+00	1.82E+02	3.48E+00	5.84E-01	1.88E+02	1.32E+00	7.69E-04	3.48E-01	1.14E-01	1.79E+00	1.48E+00	1.82E+02	3.48E+00	5.84E-01	1.88E+02
881	490136.72	3860835.12	18.2012	16.7313	31.121	10.18363	1.39E+00	1.79E+02	3.44E+00	5.82E-01	1.84E+02	1.35E+00	7.54E-04	3.44E-01	1.14E-01	1.81E+00	1.51E+00	1.79E+02	3.44E+00	5.82E-01	1.84E+02
882	490186.72	3860835.12	18.2873	16.4527	30.661	9.72674	1.39E+00	1.76E+02	3.39E+00	5.56E-01	1.81E+02	1.35E+00	7.42E-04	3.39E-01	1.09E-01	1.80E+00	1.52E+00	1.76E+02	3.39E+00	5.56E-01	1.81E+02
883	490236.72	3860835.12	18.1723	16.237	29.587	9.43126	1.39E+00	1.73E+02	3.27E+00	5.39E-01	1.78E+02	1.35E+00	7.32E-04	3.27E-01	1.06E-01	1.78E+00	1.51E+00	1.73E+02	3.27E+00	5.39E-01	1.79E+02
884	490286.72	3860835.12	18.1729	16.0722	31.366	9.25596	1.39E+00	1.72E+02	3.47E+00	5.29E-01	1.77E+02	1.35E+00	7.25E-04	3.47E-01	1.04E-01	1.80E+00	1.51E+00	1.72E+02	3.47E+00	5.29E-01	1.77E+02
885	490336.72	3860835.12	18.2517	15.9253	32.812	9.28034	1.39E+00	1.70E+02	3.63E+00	5.31E-01	1.75E+02	1.35E+00	7.18E-04	3.63E-01	1.04E-01	1.82E+00	1.52E+00	1.70E+02	3.63E+00	5.31E-01	1.76E+02
886	490386.72	3860835.12	18.1377	15.7915	33.757	9.2887	1.38E+00	1.69E+02	3.73E+00	5.31E-01	1.74E+02	1.34E+00	7.12E-04	3.73E-01	1.04E-01	1.82E+00	1.51E+00	1.69E+02	3.73E+00	5.31E-01	1.74E+02
887	490436.72	3860835.12	17.8497	15.6622	34.251	9.29287	1.36E+00	1.67E+02	3.79E+00	5.31E-01	1.73E+02	1.32E+00	7.06E-04	3.79E-01	1.04E-01	1.80E+00	1.48E+00	1.67E+02	3.79E+00	5.31E-01	1.73E+02
888	490486.72	3860835.12	17.3726	15.5109	34.142	9.27481	1.32E+00	1.66E+02	3.77E+00	5.30E-01	1.71E+02	1.29E+00	6.99E-04	3.77E-01	1.04E-01	1.77E+00	1.44E+00	1.66E+02	3.77E+00	5.30E-01	1.71E+02
889	490536.72	3860835.12	17.2679	15.3461	33.418	9.23185	1.32E+00	1.64E+02	3.69E+00	5.28E-01	1.69E+02	1.28E+00	6.92E-04	3.69E-01	1.03E-01	1.75E+00	1.43E+00	1.64E+02	3.69E+00	5.28E-01	1.69E+02
890	490586.72	3860835.12	17.1286	15.2893	32.123	9.16391	1.31E+00	1.63E+02	3.55E+00	5.24E-01	1.69E+02	1.27E+00	6.89E-04	3.55E-01	1.03E-01	1.73E+00	1.42E+00	1.63E+02	3.55E+00	5.24E-01	1.69E+02
891	490636.72	3860835.12	17.2247	15.3802	30.451	9.08745	1.31E+00	1.64E+02	3.37E+00	5.20E-01	1.69E+02	1.28E+00	6.93E-04	3.37E-01	1.02E-01	1.71E+00	1.43E+00	1.64E+02	3.37E+00	5.20E-01	1.69E+02
892	490686.72	3860835.12	17.188	15.4909	28.573	9.01791	1.31E+00	1.65E+02	3.16E+00	5.16E-01	1.70E+02	1.27E+00	6.98E-04	3.16E-01	1.01E-01	1.69E+00	1.43E+00	1.65E+02	3.16E+00	5.16E-01	1.70E+02
893	490736.72	3860835.12	17.4884	15.6076	29.023	8.95427	1.33E+00	1.67E+02	3.21E+00	5.12E-01	1.72E+02	1.29E+00	7.04E-04	3.21E-01	1.00E-01	1.72E+00	1.45E+00	1.67E+02	3.21E+00	5.12E-01	1.72E+02
894	490086.72	3860885.12	17.169	17.5945	31.418	10.40834	1.31E+00	1.88E+02	3.47E+00	5.95E-01	1.93E+02	1.27E+00	7.93E-04	3.47E-01	1.17E-01	1.74E+00	1.43E+00	1.88E+02	3.47E+00	5.95E-01	1.93E+02
895	490136.72	3860885.12	17.6454	16.9884	31.169	10.18884	1.34E+00	1.81E+02	3.45E+00	5.83E-01	1.87E+02	1.31E+00	7.66E-04	3.45E-01	1.14E-01	1.77E+00	1.46E+00	1.81E+02	3.45E+00	5.83E-01	1.87E+02
896	490186.72	3860885.12	17.9237	16.6162	30.821	9.94866	1.37E+00	1.77E+02	3.41E+00	5.69E-01	1.83E+02	1.33E+00	7.49E-04	3.41E-01	1.11E-01	1.78E+00	1.49E+00	1.77E+02	3.41E+00	5.69E-01	1.83E+02
897	490236.72	3860885.12	18.0091	16.3204	30.25	9.69925	1.37E+00	1.74E+02	3.34E+00	5.55E-01	1.79E+02	1.33E+00	7.36E-04	3.34E-01	1.09E-01	1.78E+00	1.50E+00	1.74E+02	3.34E+00	5.55E-01	1.80E+02
898	490286.72	3860885.12	17.884	16.085	29.627	9.43912	1.36E+00	1.72E+02	3.28E+00	5.40E-01	1.77E+02	1.32E+00	7.25E-04	3.28E-01	1.06E-01	1.76E+00	1.48E+00	1.72E+02	3.28E+00	5.40E-01	1.77E+02
899	490336.72	3860885.12	17.8802	15.8916	31.404	9.17954	1.36E+00	1.70E+02	3.47E+00	5.25E-01	1.75E+02	1.32E+00	7.16E-04	3.47E-01	1.03E-01	1.77E+00	1.48E+00	1.70E+02	3.47E+00	5.25E-01	1.75E+02
900	490386.72	3860885.12	17.9729	15.7411	32.796	9.22947	1.37E+00	1.68E+02	3.63E+00	5.28E-01	1.74E+02	1.33E+00	7.10E-04	3.63E-01	1.03E-01	1.80E+00	1.49E+00	1.68E+02	3.63E+00	5.28E-01	1.74E+02
901	490436.72	3860885.12	17.8766	15.6068	33.702	9.26196	1.36E+00	1.67E+02	3.73E+00	5.30E-01	1.72E+02	1.32E+00	7.04E-04	3.73E-01	1.04E-01	1.80E+00	1.48E+00	1.67E+02	3.73E+00	5.30E-01	1.72E+02
902	490486.72	3860885.12	17.5661	15.4676	34.002	9.26614	1.34E+00	1.65E+02	3.76E+00	5.30E-01	1.71E+02	1.30E+00	6.97E-04	3.76E-01	1.04E-01	1.78E+00	1.46E+00	1.65E+02	3.76E+00	5.30E-01	1.71E+02
903	490536.72	3860885.12	17.0879	15.3153	33.721	9.2473	1.30E+00	1.63E+02	3.73E+00	5.29E-01	1.69E+02	1.27E+00	6.90E-04	3.73E-01	1.04E-01	1.74E+00	1.42E+00	1.63E+02	3.73E+00	5.29E-01	1.69E+02
904	490586.72	3860885.12	16.9727	15.1379	32.893	9.2073	1.29E+00	1.62E+02	3.64E+00	5.27E-01	1.67E+02	1.26E+00	6.82E-04	3.64E-01	1.03E-01	1.72E+00	1.41E+00	1.62E+02	3.64E+00	5.27E-01	1.67E+02
905	490636.72	3860885.12	16.8313	15.0128	31.603	9.15111	1.28E+00	1.60E+02	3.49E+00	5.23E-01	1.66E+02	1.25E+00	6.77E-04	3.49E-01	1.02E-01	1.70E+00	1.40E+00	1.60E+02	3.49E+00	5.23E-01	1.66E+02
906	490686.72	3860885.12	16.9487	15.0414	29.995	9.09187	1.29E+00	1.61E+02	3.32E+00	5.20E-01	1.66E+02	1.25E+00	6.78E-04	3.32E-01	1.02E-01	1.69E+00	1.41E+00	1.61E+02	3.32E+00	5.20E-01	1.66E+02
907	490736.72	3860885.12	16.8956	15.1407	28.121	9.028	1.29E+00	1.62E+02	3.11E+00	5.16E-01	1.66E+02	1.25E+00	6.83E-04	3.11E-01	1.01E-01	1.66E+00	1.40E+00	1.62E+02	3.11E+00	5.16E-01	1.67E+02
908	490086.72	3860935.12	16.5144	18.0612	30.907	10.54129	1.26E+00	1.93E+02	3.42E+00	6.03E-01	1.98E+02	1.22E+00	8.14E-04	3.42E-01	1.18E-01	1.68E+00	1.37E+00	1.93E+02	3.42E+00	6.03E-01	1.98E+02
909	490136.72	3860935.12	16.9239	17.4518	31.033	10.34125	1.29E+00	1.86E+02	3.43E+00	5.91E-01	1.92E+02	1.25E+00	7.87E-04	3.43E-01	1.16E-01	1.71E+00	1.41E+00	1.86E+02	3.43E+00	5.91E-01	1.92E+02
910	490186.72	3860935.12	17.3865	16.9043	30.643	10.1411	1.33E+00	1.80E+02	3.39E+00	5.80E-01	1.86E+02	1.29E+00	7.62E-04	3.39E-01	1.14E-01	1.74E+00	1.44E+00	1.80E+02	3.39E+00	5.80E-01	1.86E+02
911	490236.72	3860935.12	17.6595	16.5091	30.499	9.92105	1.35E+00	1.76E+02	3.37E+00	5.67E-01	1.81E+02	1.31E+00	7.44E-04	3.37E-01	1.11E-01	1.76E+00	1.47E+00	1.76E+02	3.37E+00	5.67E-01	1.82E+02

912	490286.72	3860935.12	17.7363	16.2026	29.812	9.68867	1.35E+00	1.73E+02	3.30E+00	5.54E-01	1.78E+02	1.31E+00	7.30E-04	3.30E-01	1.08E-01	1.75E+00	1.47E+00	1.73E+02	3.30E+00	5.54E-01	1.78E+02
913	490336.72	3860935.12	17.5877	15.9426	29.803	9.43312	1.34E+00	1.70E+02	3.30E+00	5.39E-01	1.75E+02	1.30E+00	7.19E-04	3.30E-01	1.06E-01	1.74E+00	1.46E+00	1.70E+02	3.30E+00	5.39E-01	1.75E+02
914	490386.72	3860935.12	17.6383	15.7456	31.554	9.18585	1.34E+00	1.68E+02	3.49E+00	5.25E-01	1.73E+02	1.31E+00	7.10E-04	3.49E-01	1.03E-01	1.76E+00	1.46E+00	1.68E+02	3.49E+00	5.25E-01	1.74E+02
915	490436.72	3860935.12	17.7258	15.5807	32.833	9.17382	1.35E+00	1.66E+02	3.63E+00	5.25E-01	1.72E+02	1.31E+00	7.02E-04	3.63E-01	1.03E-01	1.78E+00	1.47E+00	1.66E+02	3.63E+00	5.25E-01	1.72E+02
916	490486.72	3860935.12	17.5957	15.4272	33.522	9.20546	1.34E+00	1.65E+02	3.71E+00	5.26E-01	1.70E+02	1.30E+00	6.95E-04	3.71E-01	1.03E-01	1.78E+00	1.46E+00	1.65E+02	3.71E+00	5.26E-01	1.70E+02
917	490536.72	3860935.12	17.2828	15.2841	33.707	9.22003	1.32E+00	1.63E+02	3.73E+00	5.27E-01	1.69E+02	1.28E+00	6.89E-04	3.73E-01	1.03E-01	1.76E+00	1.43E+00	1.63E+02	3.73E+00	5.27E-01	1.69E+02
918	490586.72	3860935.12	16.8131	15.1288	33.306	9.20635	1.28E+00	1.61E+02	3.68E+00	5.26E-01	1.67E+02	1.24E+00	6.82E-04	3.68E-01	1.03E-01	1.72E+00	1.40E+00	1.61E+02	3.68E+00	5.26E-01	1.67E+02
919	490636.72	3860935.12	16.6967	14.9574	32.422	9.17545	1.27E+00	1.60E+02	3.58E+00	5.25E-01	1.65E+02	1.24E+00	6.74E-04	3.58E-01	1.03E-01	1.70E+00	1.39E+00	1.60E+02	3.58E+00	5.25E-01	1.65E+02
920	490686.72	3860935.12	16.562	14.8104	31.158	9.13667	1.26E+00	1.58E+02	3.44E+00	5.22E-01	1.63E+02	1.23E+00	6.68E-04	3.44E-01	1.02E-01	1.67E+00	1.37E+00	1.58E+02	3.44E+00	5.22E-01	1.63E+02
921	490736.72	3860935.12	16.681	14.7285	29.546	9.08566	1.27E+00	1.57E+02	3.27E+00	5.20E-01	1.62E+02	1.23E+00	6.64E-04	3.27E-01	1.02E-01	1.66E+00	1.38E+00	1.57E+02	3.27E+00	5.20E-01	1.62E+02
922	490786.72	3860935.12	16.6312	14.8127	27.677	9.02727	1.27E+00	1.58E+02	3.06E+00	5.16E-01	1.63E+02	1.23E+00	6.68E-04	3.06E-01	1.01E-01	1.64E+00	1.38E+00	1.58E+02	3.06E+00	5.16E-01	1.63E+02
923	490836.72	3860935.12	16.9109	14.9209	28.653	8.97434	1.29E+00	1.59E+02	3.17E+00	5.13E-01	1.64E+02	1.25E+00	6.73E-04	3.17E-01	1.00E-01	1.67E+00	1.40E+00	1.59E+02	3.17E+00	5.13E-01	1.64E+02
924	490086.72	3860985.12	16.5322	18.5359	30.2	10.63417	1.26E+00	1.98E+02	3.34E+00	6.08E-01	2.03E+02	1.22E+00	8.36E-04	3.34E-01	1.19E-01	1.68E+00	1.37E+00	1.98E+02	3.34E+00	6.08E-01	2.03E+02
925	490136.72	3860985.12	16.2326	17.8381	30.816	10.47886	1.24E+00	1.90E+02	3.41E+00	5.99E-01	1.96E+02	1.20E+00	8.04E-04	3.41E-01	1.17E-01	1.66E+00	1.35E+00	1.90E+02	3.41E+00	5.99E-01	1.96E+02
926	490186.72	3860985.12	16.7651	17.3579	30.871	10.31177	1.28E+00	1.85E+02	3.41E+00	5.90E-01	1.91E+02	1.24E+00	7.82E-04	3.41E-01	1.15E-01	1.70E+00	1.39E+00	1.85E+02	3.41E+00	5.90E-01	1.91E+02
927	490236.72	3860985.12	17.1696	16.8211	30.434	10.10569	1.31E+00	1.80E+02	3.36E+00	5.78E-01	1.85E+02	1.27E+00	7.58E-04	3.36E-01	1.13E-01	1.72E+00	1.43E+00	1.80E+02	3.36E+00	5.78E-01	1.85E+02
928	490286.72	3860985.12	17.4072	16.4093	30.159	9.89093	1.33E+00	1.75E+02	3.33E+00	5.66E-01	1.80E+02	1.29E+00	7.40E-04	3.33E-01	1.11E-01	1.73E+00	1.45E+00	1.75E+02	3.33E+00	5.66E-01	1.80E+02
929	490336.72	3860985.12	17.4552	16.0862	29.305	9.66506	1.33E+00	1.72E+02	3.24E+00	5.53E-01	1.77E+02	1.29E+00	7.25E-04	3.24E-01	1.08E-01	1.73E+00	1.45E+00	1.72E+02	3.24E+00	5.53E-01	1.77E+02
930	490386.72	3860985.12	17.3225	15.8228	30.015	9.43202	1.32E+00	1.69E+02	3.32E+00	5.39E-01	1.74E+02	1.28E+00	7.13E-04	3.32E-01	1.06E-01	1.72E+00	1.44E+00	1.69E+02	3.32E+00	5.39E-01	1.74E+02
931	490436.72	3860985.12	17.4084	15.6155	31.686	9.20101	1.33E+00	1.67E+02	3.50E+00	5.26E-01	1.72E+02	1.29E+00	7.04E-04	3.50E-01	1.03E-01	1.74E+00	1.45E+00	1.67E+02	3.50E+00	5.26E-01	1.72E+02
932	490486.72	3860985.12	17.4618	15.4255	32.758	9.0914	1.33E+00	1.65E+02	3.62E+00	5.20E-01	1.70E+02	1.29E+00	6.95E-04	3.62E-01	1.02E-01	1.76E+00	1.45E+00	1.65E+02	3.62E+00	5.20E-01	1.70E+02
933	490536.72	3860985.12	17.3149	15.2573	33.294	9.13022	1.32E+00	1.63E+02	3.68E+00	5.22E-01	1.68E+02	1.28E+00	6.88E-04	3.68E-01	1.02E-01	1.75E+00	1.44E+00	1.63E+02	3.68E+00	5.22E-01	1.68E+02
934	490586.72	3860985.12	16.988	15.1021	33.329	9.14929	1.29E+00	1.61E+02	3.68E+00	5.23E-01	1.67E+02	1.26E+00	6.81E-04	3.68E-01	1.02E-01	1.73E+00	1.41E+00	1.61E+02	3.68E+00	5.23E-01	1.67E+02
935	490636.72	3860985.12	16.5534	14.9534	32.924	9.15688	1.26E+00	1.60E+02	3.64E+00	5.24E-01	1.65E+02	1.23E+00	6.74E-04	3.64E-01	1.03E-01	1.69E+00	1.37E+00	1.60E+02	3.64E+00	5.24E-01	1.65E+02
936	490686.72	3860985.12	16.4404	14.7887	32.003	9.13856	1.25E+00	1.58E+02	3.54E+00	5.23E-01	1.63E+02	1.22E+00	6.67E-04	3.54E-01	1.02E-01	1.67E+00	1.36E+00	1.58E+02	3.54E+00	5.23E-01	1.63E+02
937	490736.72	3860985.12	16.2923	14.6145	30.691	9.10533	1.24E+00	1.56E+02	3.39E+00	5.21E-01	1.61E+02	1.21E+00	6.59E-04	3.39E-01	1.02E-01	1.65E+00	1.35E+00	1.56E+02	3.39E+00	5.21E-01	1.61E+02
938	490786.72	3860985.12	16.4199	14.508	29.102	9.06765	1.25E+00	1.55E+02	3.22E+00	5.19E-01	1.60E+02	1.22E+00	6.54E-04	3.22E-01	1.02E-01	1.64E+00	1.36E+00	1.55E+02	3.22E+00	5.19E-01	1.60E+02
939	490836.72	3860985.12	16.3953	14.5223	27.334	9.02746	1.25E+00	1.55E+02	3.02E+00	5.16E-01	1.60E+02	1.21E+00	6.55E-04	3.02E-01	1.01E-01	1.62E+00	1.36E+00	1.55E+02	3.02E+00	5.16E-01	1.60E+02
940	490086.72	3861035.12	16.7817	19.1923	29.673	10.66811	1.28E+00	2.05E+02	3.28E+00	6.10E-01	2.10E+02	1.24E+00	8.65E-04	3.28E-01	1.19E-01	1.69E+00	1.39E+00	2.05E+02	3.28E+00	6.10E-01	2.10E+02
941	490136.72	3861035.12	16.2726	18.4593	30.252	10.55487	1.24E+00	1.97E+02	3.34E+00	6.04E-01	2.02E+02	1.20E+00	8.32E-04	3.34E-01	1.18E-01	1.66E+00	1.35E+00	1.97E+02	3.34E+00	6.04E-01	2.02E+02
942	490186.72	3861035.12	15.9914	17.7642	30.66	10.41195	1.22E+00	1.90E+02	3.39E+00	5.95E-01	1.95E+02	1.18E+00	8.01E-04	3.39E-01	1.17E-01	1.64E+00	1.33E+00	1.90E+02	3.39E+00	5.95E-01	1.95E+02
943	490236.72	3861035.12	16.563	17.1484	30.5	10.25241	1.26E+00	1.83E+02	3.37E+00	5.86E-01	1.88E+02	1.23E+00	7.73E-04	3.37E-01	1.15E-01	1.68E+00	1.38E+00	1.83E+02	3.37E+00	5.86E-01	1.88E+02
944	490286.72	3861035.12	16.9469	16.691	30.221	10.05926	1.29E+00	1.78E+02	3.34E+00	5.75E-01	1.83E+02	1.25E+00	7.52E-04	3.34E-01	1.13E-01	1.70E+00	1.41E+00	1.78E+02	3.34E+00	5.75E-01	1.83E+02
945	490336.72	3861035.12	17.1554	16.3053	29.776	9.854	1.31E+00	1.74E+02	3.29E+00	5.63E-01	1.79E+02	1.27E+00	7.35E-04	3.29E-01	1.10E-01	1.71E+00	1.42E+00	1.74E+02	3.29E+00	5.63E-01	1.79E+02
946	490386.72	3861035.12	17.217	15.9929	28.877	9.65292	1.31E+00	1.71E+02	3.19E+00	5.52E-01	1.76E+02	1.27E+00	7.21E-04	3.19E-01	1.08E-01	1.70E+00	1.43E+00	1.71E+02	3.19E+00	5.52E-01	1.76E+02
947	490436.72	3861035.12	17.0938	15.7269	30.284	9.43912	1.30E+00	1.68E+02	3.35E+00	5.40E-01	1.73E+02	1.27E+00	7.09E-04	3.35E-01	1.06E-01	1.71E+00	1.42E+00	1.68E+02	3.35E+00	5.40E-01	1.73E+02
948	490486.72	3861035.12	17.1655	15.4903	31.717	9.2016	1.31E+00	1.65E+02	3.51E+00	5.26E-01	1.71E+02	1.27E+00	6.98E-04	3.51E-01	1.03E-01	1.73E+00	1.43E+00	1.65E+02	3.51E+00	5.26E-01	1.71E+02
949	490536.72	3861035.12	17.201	15.2858	32.647	8.99453	1.31E+00	1.63E+02	3.61E+00	5.14E-01	1.69E+02	1.27E+00	6.89E-04	3.61E-01	1.01E-01	1.74E+00	1.43E+00	1.63E+02	3.61E+00	5.14E-01	1.69E+02
950	490586.72	3861035.12	17.049	15.1071	33.075	9.04566	1.30E+00	1.61E+02	3.66E+00	5.17E-01	1.67E+02	1.26E+00	6.81E-04	3.66E-01	1.01E-01	1.73E+00	1.42E+00	1.61E+02	3.66E+00	5.17E-01	1.67E+02
951	490636.72	3861035.12	16.7193	14.9411	33.011	9.07582	1.27E+00	1.59E+02	3.65E+00	5.19E-01	1.65E+02	1.24E+00	6.74E-04	3.65E-01	1.02E-01	1.71E+00	1.39E+00	1.59E+02	3.65E+00	5.19E-01	1.65E+02
952	490686.72	3861035.12	16.2873	14.7822	32.484	9.08671	1.24E+00	1.58E+02	3.59E+00	5.20E-01	1.63E+02	1.21E+00	6.66E-04	3.59E-01	1.02E-01	1.67E+00	1.35E+00	1.58E+02	3.59E+00	5.20E-01	1.63E+02
953	490736.72	3861035.12	16.1806	14.6215	31.544	9.08237	1.23E+00	1.56E+02	3.49E+00	5.19E-01	1.61E+02	1.20E+00	6.59E-04	3.49E-01	1.02E-01	1.65E+00	1.34E+00	1.56E+02	3.49E+00	5.19E-01	1.61E+02
954	490786.72	3861035.12	16.0454	14.4554	30.278	9.0705	1.22E+00	1.54E+02	3.35E+00	5.19E-01	1.59E+02	1.19E+00	6.52E-04	3.35E-01	1.02E-01	1.62E+00	1.33E+00	1.54E+02	3.35E+00	5.19E-01	1.59E+02
955	490836.72	3861035.12	16.1832	14.3349	28.714	9.04769	1.23E+00	1.53E+02	3.17E+00	5.17E-01	1.58E+02	1.20E+00	6.46E-04	3.17E-01	1.01E-01	1.62E+00	1.34E+00	1.53E+02	3.17E+00	5.17E-01	1.58E+02
956	490086.72	3861085.12	16.9729	19.7991	29.812	10.64975	1.29E+00	2.11E+02	3.30E+00	6.09E-01	2.16E+02	1.26E+00	8.93E-04	3.30E-01	1.19E-01	1.71E+00	1.41E+00	2.11E+02	3.30E+00	6.09E-01	2.17E+02
957	490136.72	3861085.12	16.4884	19.0857	29.483	10.58691	1.26E+00	2.04E+02	3.26E+00	6.05E-01	2.09E+02	1.22E+00	8.60E-04	3.26E-01	1.19E-01	1.67E+00	1.37E+00	2.04E+02	3.26E+00	6.05E-01	2.09E+02
958	490186.72	3861085.12	16.0667	18.4109	30.388	10.49873	1.22E+00	1.96E+02	3.36E+00	6.00E-01	2.02E+02	1.19E+00	8.30E-04	3.36E-01	1.18E-01	1.64E+00	1.33E+00	1.96E+02	3.36E+00	6.00E-01	2.02E+02
959	490236.72	3861085.12	15.8543	17.7212	30.536	10.35655	1.21E+00	1.89E+02	3.38E+00	5.92E-01	1.94E+02	1.17E+00	7.99E-04	3.38E-01	1.16E-01	1.63E+00	1.32E+00	1.89E+02	3.38E+00	5.92E-01	1.94E+02
960	490286.72	3861085.12	16.3794	17.0823	30.13	10.19577	1.25E+00	1.82E+02	3.33E+00	5.83E-01	1.87E+02	1.21E+00	7.70E-04	3.33E-01	1.14E-01	1.66E+00	1.36E+00	1.82E+02	3.33E+00	5.83E-01	1.88E+02
961	490336.72	3861085.12	16.7404	16.584	30.005	10.01569	1.28E+00	1.77E+02	3.32E+00	5.73E-01	1.82E+02	1.24E+00	7.48E-04	3.32E-01	1.12E-01	1.68E+00	1.39E+00	1.77E+02	3.32E+00	5.73E-01	1.82E+02
962	490386.72	3861085.12	16.9598	16.2276	29.5	9.83688	1.29E+00	1.73E+02	3.26E+00	5.63E-01	1.78E+02	1.26E+00	7.32E-04	3.26E-01	1.10E-01	1.69E+00	1.41E+00	1.73E+02	3.26E+00	5.63E-01	1.78E+02
963	490436.72	3861085.12	16.9818	15.8995	28.629	9.63418	1.29E+00	1.70E+02	3.17E+00	5.51E-01	1.75E+02	1.26E+00	7.17E-04	3.17E-01	1.08E-01	1.68E+00	1.41E+00	1.70E+02	3.17E+00	5.51E-01	1.75E+02
964	490486.72	3861085.12	16.821	15.6133	30.356	9.41752	1.28E+00	1.67E+02	3.36E+00	5.39E-01	1.72E+02	1.25E+00	7.04E-04	3.36E-01	1.05E-01	1.69E+00	1.40E+00	1.67E+02	3.36E+00	5.39E-01	1.72E+02
965	490536.72	3861085.12	16.9291	15.3759	31.72	9.19719	1.29E+00	1.64E+02	3.51E+00	5.26E-01	1.69E+02	1.25E+00	6.93E-04	3.51E-01	1.03E-01	1.71E+00	1.41E+00	1.64E+02	3.51E+00	5.26E-01	1.70E+02
966	490586.72	3861085.12	16.9459	15.154	32.509	8.9517	1.29E+00	1.62E+02	3.59E+00	5.12E-01	1.67E+02	1.25E+00	6.83E-04	3.59E-01	1.00E-01	1.71E+00	1.41E+00	1.62E+02	3.59E+00	5.12E-01	1.67E+02
967	490636.72	3861085.12	16.7719	14.953	32.776	8.94033	1.28E+00	1.60E+02	3.62E+00	5.11E-01	1.65E+02	1.24E+00	6.74E-04	3.62E-01	1.00E-01	1.70E+00	1.39E+00	1.60E+02	3.62E+00	5.11E-01	1.65E+02
968	490686.72	3861085.12	16.4435	14.781	32.635	8.98229	1.25E+00	1.58E+02	3.61E+00	5.14E-01	1.63E+02	1.22E+00	6.66E-04	3.61E-01	1.01E-01	1.68E+00	1.37E+00	1.58E+02	3.61E+00	5.14E-01	1.63E+02
969	490736.72	3861085.12	16.0401	14.6256	32.091	9.01173	1.22E+00	1.56E+02	3.55E+00	5.15E-01	1.61E+02	1.19E+00	6.59E-04	3.55E-01	1.01E-01	1.64E+00	1.33E+00	1.56E+02	3.55E+00	5.15E-01	1.61E+02
970	490786.72	3861085.12	15.9453	14.4713	31.153	9.02552	1.22E+00	1.54E+02	3.44E+00	5.16E-01	1.60E+02	1.18E+00	6.52E-04	3.44E-01	1.01E-01	1.63E+00	1.32E+00	1.54E+02	3.44E+00	5.16E-01	1.60E+02
971	490836.72	3861085.12	15.804	14.3094	29.863	9.02359	1.20E+00	1.53E+02	3.30E+00	5.16E-01	1.58E+02	1.17E+00	6.45E-04	3.30E-01	1.01E-01	1.60E+00	1.31E+00	1.53E+02	3.30E+00	5.16E-01	1.58E+02
972	490086.72	3861135.12	17.023	20.4378	29.761	10.57665	1.30E+00	2.18E+02	3.29E+00	6.05E-01	2.23E+02	1.26E+00	9.21E-04	3.29E-01	1.18E-01	1.71E+00	1.41E+00	2.18E+02	3.29E+00	6.05E-01	2.23E+02

973	490136.72	3861135.12	16.6903	19.6571	29.673	10.54915	1.27E+00	2.10E+02	3.28E+00	6.03E-01	2.15E+02	1.24E+00	8.86E-04	3.28E-01	1.18E-01	1.68E+00	1.39E+00	2.10E+02	3.28E+00	6.03E-01	2.15E+02
974	490186.72	3861135.12	16.1855	18.949	29.626	10.49522	1.23E+00	2.02E+02	3.28E+00	6.00E-01	2.07E+02	1.20E+00	8.54E-04	3.28E-01	1.17E-01	1.64E+00	1.34E+00	2.02E+02	3.28E+00	6.00E-01	2.07E+02
975	490236.72	3861135.12	15.8079	18.301	30.267	10.40743	1.20E+00	1.95E+02	3.35E+00	5.95E-01	2.00E+02	1.17E+00	8.25E-04	3.35E-01	1.17E-01	1.62E+00	1.31E+00	1.95E+02	3.35E+00	5.95E-01	2.01E+02
976	490286.72	3861135.12	15.7014	17.6551	30.292	10.28654	1.20E+00	1.88E+02	3.35E+00	5.88E-01	1.94E+02	1.16E+00	7.96E-04	3.35E-01	1.15E-01	1.61E+00	1.30E+00	1.88E+02	3.35E+00	5.88E-01	1.94E+02
977	490336.72	3861135.12	16.2048	17.0332	29.945	10.13795	1.24E+00	1.82E+02	3.31E+00	5.80E-01	1.87E+02	1.20E+00	7.68E-04	3.31E-01	1.13E-01	1.65E+00	1.35E+00	1.82E+02	3.31E+00	5.80E-01	1.87E+02
978	490386.72	3861135.12	16.5586	16.4777	29.807	9.97882	1.26E+00	1.76E+02	3.30E+00	5.71E-01	1.81E+02	1.23E+00	7.43E-04	3.30E-01	1.12E-01	1.67E+00	1.37E+00	1.76E+02	3.30E+00	5.71E-01	1.81E+02
979	490436.72	3861135.12	16.7346	16.1202	29.098	9.79826	1.28E+00	1.72E+02	3.22E+00	5.60E-01	1.77E+02	1.24E+00	7.27E-04	3.22E-01	1.10E-01	1.67E+00	1.39E+00	1.72E+02	3.22E+00	5.60E-01	1.77E+02
980	490486.72	3861135.12	16.7431	15.7982	28.844	9.60594	1.28E+00	1.69E+02	3.19E+00	5.49E-01	1.74E+02	1.24E+00	7.12E-04	3.19E-01	1.08E-01	1.67E+00	1.39E+00	1.69E+02	3.19E+00	5.49E-01	1.74E+02
981	490536.72	3861135.12	16.5715	15.5105	30.452	9.39947	1.26E+00	1.66E+02	3.37E+00	5.37E-01	1.71E+02	1.23E+00	6.99E-04	3.37E-01	1.05E-01	1.67E+00	1.38E+00	1.66E+02	3.37E+00	5.37E-01	1.71E+02
982	490586.72	3861135.12	16.6713	15.2514	31.608	9.1756	1.27E+00	1.63E+02	3.49E+00	5.25E-01	1.68E+02	1.23E+00	6.88E-04	3.49E-01	1.03E-01	1.69E+00	1.38E+00	1.63E+02	3.49E+00	5.25E-01	1.68E+02
983	490636.72	3861135.12	16.6708	15.0159	32.261	8.93505	1.27E+00	1.60E+02	3.57E+00	5.11E-01	1.66E+02	1.23E+00	6.77E-04	3.57E-01	1.00E-01	1.69E+00	1.38E+00	1.60E+02	3.57E+00	5.11E-01	1.66E+02
984	490686.72	3861135.12	16.5189	14.8199	32.524	8.83327	1.26E+00	1.58E+02	3.60E+00	5.05E-01	1.64E+02	1.22E+00	6.68E-04	3.60E-01	9.89E-02	1.68E+00	1.37E+00	1.58E+02	3.60E+00	5.05E-01	1.64E+02
985	490736.72	3861135.12	16.2077	14.6498	32.362	8.89543	1.24E+00	1.56E+02	3.58E+00	5.09E-01	1.62E+02	1.20E+00	6.60E-04	3.58E-01	9.96E-02	1.66E+00	1.35E+00	1.56E+02	3.58E+00	5.09E-01	1.62E+02
986	490786.72	3861135.12	15.8181	14.4892	31.766	8.93733	1.21E+00	1.55E+02	3.51E+00	5.11E-01	1.60E+02	1.17E+00	6.53E-04	3.51E-01	1.00E-01	1.62E+00	1.31E+00	1.55E+02	3.51E+00	5.11E-01	1.60E+02
987	490836.72	3861135.12	15.7191	14.3305	30.772	8.95866	1.20E+00	1.53E+02	3.40E+00	5.12E-01	1.58E+02	1.16E+00	6.46E-04	3.40E-01	1.00E-01	1.60E+00	1.31E+00	1.53E+02	3.40E+00	5.12E-01	1.58E+02
988	490086.72	3861185.12	16.9421	20.8627	30.092	10.45375	1.29E+00	2.23E+02	3.33E+00	5.98E-01	2.28E+02	1.25E+00	9.40E-04	3.33E-01	1.17E-01	1.70E+00	1.41E+00	2.23E+02	3.33E+00	5.98E-01	2.28E+02
989	490136.72	3861185.12	16.7368	20.1857	29.595	10.44971	1.28E+00	2.15E+02	3.27E+00	5.98E-01	2.21E+02	1.24E+00	9.10E-04	3.27E-01	1.17E-01	1.68E+00	1.39E+00	2.15E+02	3.27E+00	5.98E-01	2.21E+02
990	490186.72	3861185.12	16.3772	19.4696	29.377	10.42857	1.25E+00	2.08E+02	3.25E+00	5.96E-01	2.13E+02	1.21E+00	8.78E-04	3.25E-01	1.17E-01	1.65E+00	1.36E+00	2.08E+02	3.25E+00	5.96E-01	2.13E+02
991	490236.72	3861185.12	15.8501	18.7595	29.584	10.38116	1.21E+00	2.00E+02	3.27E+00	5.94E-01	2.05E+02	1.17E+00	8.46E-04	3.27E-01	1.16E-01	1.62E+00	1.32E+00	2.00E+02	3.27E+00	5.94E-01	2.05E+02
992	490286.72	3861185.12	15.5515	18.1777	30.091	10.31424	1.19E+00	1.94E+02	3.33E+00	5.90E-01	1.99E+02	1.15E+00	8.19E-04	3.33E-01	1.15E-01	1.60E+00	1.29E+00	1.94E+02	3.33E+00	5.90E-01	1.99E+02
993	490336.72	3861185.12	15.5026	17.5345	29.839	10.18489	1.18E+00	1.87E+02	3.30E+00	5.82E-01	1.92E+02	1.15E+00	7.90E-04	3.30E-01	1.14E-01	1.59E+00	1.29E+00	1.87E+02	3.30E+00	5.82E-01	1.92E+02
994	490386.72	3861185.12	15.9969	16.9517	29.709	10.05878	1.22E+00	1.81E+02	3.28E+00	5.75E-01	1.86E+02	1.18E+00	7.64E-04	3.28E-01	1.13E-01	1.63E+00	1.33E+00	1.81E+02	3.28E+00	5.75E-01	1.86E+02
995	490436.72	3861185.12	16.3456	16.4069	29.47	9.92004	1.25E+00	1.75E+02	3.26E+00	5.67E-01	1.80E+02	1.21E+00	7.40E-04	3.26E-01	1.11E-01	1.65E+00	1.36E+00	1.75E+02	3.26E+00	5.67E-01	1.80E+02
996	490486.72	3861185.12	16.5058	15.9948	28.645	9.75074	1.26E+00	1.71E+02	3.17E+00	5.58E-01	1.76E+02	1.22E+00	7.21E-04	3.17E-01	1.09E-01	1.65E+00	1.37E+00	1.71E+02	3.17E+00	5.58E-01	1.76E+02
997	490536.72	3861185.12	16.5335	15.7064	29.101	9.58574	1.26E+00	1.68E+02	3.22E+00	5.48E-01	1.73E+02	1.22E+00	7.08E-04	3.22E-01	1.07E-01	1.65E+00	1.37E+00	1.68E+02	3.22E+00	5.48E-01	1.73E+02
998	490586.72	3861185.12	16.3295	15.4073	30.521	9.37744	1.24E+00	1.64E+02	3.37E+00	5.36E-01	1.70E+02	1.21E+00	6.95E-04	3.37E-01	1.05E-01	1.65E+00	1.36E+00	1.64E+02	3.37E+00	5.36E-01	1.70E+02
999	490636.72	3861185.12	16.412	15.1242	31.448	9.1456	1.25E+00	1.61E+02	3.48E+00	5.23E-01	1.67E+02	1.22E+00	6.82E-04	3.48E-01	1.02E-01	1.67E+00	1.36E+00	1.61E+02	3.48E+00	5.23E-01	1.67E+02
1000	490686.72	3861185.12	16.4221	14.8947	32.061	8.92266	1.25E+00	1.59E+02	3.54E+00	5.10E-01	1.64E+02	1.22E+00	6.71E-04	3.54E-01	9.99E-02	1.67E+00	1.36E+00	1.59E+02	3.54E+00	5.10E-01	1.64E+02
1001	490736.72	3861185.12	16.2888	14.7062	32.313	8.72579	1.24E+00	1.57E+02	3.57E+00	4.99E-01	1.62E+02	1.21E+00	6.63E-04	3.57E-01	9.77E-02	1.66E+00	1.35E+00	1.57E+02	3.57E+00	4.99E-01	1.62E+02
1002	490786.72	3861185.12	15.9834	14.5304	32.096	8.80106	1.22E+00	1.55E+02	3.55E+00	5.03E-01	1.60E+02	1.18E+00	6.55E-04	3.55E-01	9.85E-02	1.64E+00	1.33E+00	1.55E+02	3.55E+00	5.03E-01	1.60E+02
1003	490836.72	3861185.12	15.6036	14.3634	31.443	8.85266	1.19E+00	1.53E+02	3.48E+00	5.06E-01	1.58E+02	1.16E+00	6.47E-04	3.48E-01	9.91E-02	1.60E+00	1.30E+00	1.53E+02	3.48E+00	5.06E-01	1.59E+02
1004	490086.72	3861235.12	16.7482	21.0054	30.318	10.96084	1.28E+00	2.24E+02	3.35E+00	6.27E-01	2.29E+02	1.24E+00	9.47E-04	3.35E-01	1.23E-01	1.70E+00	1.39E+00	2.24E+02	3.35E+00	6.27E-01	2.30E+02
1005	490136.72	3861235.12	16.6841	20.5197	29.476	10.31775	1.27E+00	2.19E+02	3.26E+00	5.90E-01	2.24E+02	1.24E+00	9.25E-04	3.26E-01	1.16E-01	1.68E+00	1.39E+00	2.19E+02	3.26E+00	5.90E-01	2.24E+02
1006	490186.72	3861235.12	16.4795	19.9487	29.512	10.33568	1.26E+00	2.13E+02	3.26E+00	5.91E-01	2.18E+02	1.22E+00	8.99E-04	3.26E-01	1.16E-01	1.66E+00	1.37E+00	2.13E+02	3.26E+00	5.91E-01	2.18E+02
1007	490236.72	3861235.12	16.0775	19.2755	29.024	10.31102	1.23E+00	2.06E+02	3.21E+00	5.90E-01	2.11E+02	1.19E+00	8.69E-04	3.21E-01	1.15E-01	1.63E+00	1.33E+00	2.06E+02	3.21E+00	5.90E-01	2.11E+02
1008	490386.72	3861235.12	15.3275	17.4214	29.427	10.09406	1.17E+00	1.86E+02	3.25E+00	5.77E-01	1.91E+02	1.13E+00	7.85E-04	3.25E-01	1.13E-01	1.57E+00	1.27E+00	1.86E+02	3.25E+00	5.77E-01	1.91E+02
1009	490436.72	3861235.12	15.7832	16.8549	29.412	9.97212	1.20E+00	1.80E+02	3.25E+00	5.70E-01	1.85E+02	1.17E+00	7.60E-04	3.25E-01	1.12E-01	1.61E+00	1.31E+00	1.80E+02	3.25E+00	5.70E-01	1.85E+02
1010	490486.72	3861235.12	16.0926	16.3133	28.984	9.83425	1.23E+00	1.74E+02	3.20E+00	5.62E-01	1.79E+02	1.19E+00	7.35E-04	3.20E-01	1.10E-01	1.62E+00	1.34E+00	1.74E+02	3.20E+00	5.62E-01	1.79E+02
1011	490536.72	3861235.12	16.3025	15.8702	28.226	9.7099	1.24E+00	1.69E+02	3.12E+00	5.55E-01	1.74E+02	1.21E+00	7.15E-04	3.12E-01	1.09E-01	1.63E+00	1.35E+00	1.69E+02	3.12E+00	5.55E-01	1.74E+02
1012	490586.72	3861235.12	16.3109	15.5951	29.268	9.55252	1.24E+00	1.66E+02	3.24E+00	5.46E-01	1.71E+02	1.21E+00	7.03E-04	3.24E-01	1.07E-01	1.64E+00	1.35E+00	1.66E+02	3.24E+00	5.46E-01	1.72E+02
1013	490636.72	3861235.12	16.0389	15.265	30.388	9.32423	1.22E+00	1.63E+02	3.36E+00	5.33E-01	1.68E+02	1.19E+00	6.88E-04	3.36E-01	1.04E-01	1.63E+00	1.33E+00	1.63E+02	3.36E+00	5.33E-01	1.68E+02
1014	490686.72	3861235.12	16.1816	15.0105	31.341	9.1221	1.23E+00	1.60E+02	3.47E+00	5.22E-01	1.65E+02	1.20E+00	6.77E-04	3.47E-01	1.02E-01	1.65E+00	1.34E+00	1.60E+02	3.47E+00	5.22E-01	1.66E+02
1015	490736.72	3861235.12	16.2097	14.795	31.944	8.92042	1.24E+00	1.58E+02	3.53E+00	5.10E-01	1.63E+02	1.20E+00	6.67E-04	3.53E-01	9.99E-02	1.65E+00	1.35E+00	1.58E+02	3.53E+00	5.10E-01	1.63E+02
1016	490786.72	3861235.12	16.0751	14.5997	32.122	8.71028	1.23E+00	1.56E+02	3.55E+00	4.98E-01	1.61E+02	1.19E+00	6.58E-04	3.55E-01	9.75E-02	1.64E+00	1.33E+00	1.56E+02	3.55E+00	4.98E-01	1.61E+02
1017	490836.72	3861235.12	15.7618	14.4134	31.813	8.69587	1.20E+00	1.54E+02	3.52E+00	4.97E-01	1.59E+02	1.17E+00	6.50E-04	3.52E-01	9.73E-02	1.62E+00	1.31E+00	1.54E+02	3.52E+00	4.97E-01	1.59E+02
1018	490086.72	3861285.12	16.885	20.9035	30.506	11.40597	1.29E+00	2.23E+02	3.37E+00	6.52E-01	2.28E+02	1.25E+00	9.42E-04	3.37E-01	1.28E-01	1.72E+00	1.40E+00	2.23E+02	3.37E+00	6.52E-01	2.29E+02
1019	490136.72	3861285.12	16.5651	20.6566	29.845	10.81472	1.26E+00	2.20E+02	3.30E+00	6.18E-01	2.26E+02	1.23E+00	9.31E-04	3.30E-01	1.21E-01	1.68E+00	1.38E+00	2.20E+02	3.30E+00	6.18E-01	2.26E+02
1020	490186.72	3861285.12	16.468	20.2167	29.387	10.20348	1.26E+00	2.16E+02	3.25E+00	5.83E-01	2.21E+02	1.22E+00	9.11E-04	3.25E-01	1.14E-01	1.66E+00	1.37E+00	2.16E+02	3.25E+00	5.83E-01	2.21E+02
1021	490236.72	3861285.12	16.217	19.6906	29.325	10.21604	1.24E+00	2.10E+02	3.24E+00	5.84E-01	2.15E+02	1.20E+00	8.88E-04	3.24E-01	1.14E-01	1.64E+00	1.35E+00	2.10E+02	3.24E+00	5.84E-01	2.15E+02
1022	490386.72	3861285.12	15.0125	17.8467	29.465	10.09913	1.14E+00	1.90E+02	3.26E+00	5.78E-01	1.95E+02	1.11E+00	8.05E-04	3.26E-01	1.13E-01	1.55E+00	1.25E+00	1.90E+02	3.26E+00	5.78E-01	1.96E+02
1023	490436.72	3861285.12	15.1847	17.3275	29.268	10.01908	1.16E+00	1.85E+02	3.24E+00	5.73E-01	1.90E+02	1.12E+00	7.81E-04	3.24E-01	1.12E-01	1.56E+00	1.26E+00	1.85E+02	3.24E+00	5.73E-01	1.90E+02
1024	490486.72	3861285.12	15.6132	16.782	29.183	9.90422	1.19E+00	1.79E+02	3.23E+00	5.66E-01	1.84E+02	1.16E+00	7.57E-04	3.23E-01	1.11E-01	1.59E+00	1.30E+00	1.79E+02	3.23E+00	5.66E-01	1.84E+02
1025	490536.72	3861285.12	15.9097	16.2627	28.643	9.77934	1.21E+00	1.74E+02	3.17E+00	5.59E-01	1.78E+02	1.18E+00	7.33E-04	3.17E-01	1.09E-01	1.60E+00	1.32E+00	1.74E+02	3.17E+00	5.59E-01	1.79E+02
1026	490586.72	3861285.12	16.0558	15.768	27.668	9.64151	1.22E+00	1.68E+02	3.06E+00	5.51E-01	1.73E+02	1.19E+00	7.11E-04	3.06E-01	1.08E-01	1.60E+00	1.33E+00	1.68E+02	3.06E+00	5.51E-01	1.73E+02
1027	490636.72	3861285.12	15.9826	15.3951	29.069	9.45962	1.22E+00	1.64E+02	3.21E+00	5.41E-01	1.69E+02	1.18E+00	6.94E-04	3.21E-01	1.06E-01	1.61E+00	1.33E+00	1.64E+02	3.21E+00	5.41E-01	1.69E+02
1028	490686.72	3861285.12	15.7876	15.134	30.328	9.28216	1.20E+00	1.62E+02	3.35E+00	5.31E-01	1.67E+02	1.17E+00	6.82E-04	3.35E-01	1.04E-01	1.61E+00	1.31E+00	1.62E+02	3.35E+00	5.31E-01	1.67E+02
1029	490736.72	3861285.12	15.995	14.9187	31.336	9.11331	1.22E+00	1.59E+02	3.46E+00	5.21E-01	1.64E+02	1.18E+00	6.73E-04	3.46E-01	1.02E-01	1.63E+00	1.33E+00	1.59E+02	3.46E+00	5.21E-01	1.65E+02
1030	490786.72	3861285.12	15.9954	14.6902	31.785	8.91046	1.22E+00	1.57E+02	3.51E+00	5.10E-01	1.62E+02	1.18E+00	6.62E-04	3.51E-01	9.97E-02	1.64E+00	1.33E+00	1.57E+02	3.51E+00	5.10E-01	1.62E+02
1031	490836.72	3861285.12	15.8218	14.4734	31.769	8.69161	1.21E+00	1.54E+02	3.51E+00	4.97E-01	1.60E+02	1.17E+00	6.52E-04	3.51E-01	9.73E-02	1.62E+00	1.31E+00	1.54E+02	3.51E+00	4.97E-01	1.60E+02
1032	490061.24	3859716.13	23.952	15.307	38.616	7.23516	1.83E+00	1.63E+02	4.27E+00	4.14E-01	1.70E+02	1.77E+00	6.90E-04	4.27E-01	8.10E-02	2.28E+00	1.99E+00	1.63E+02	4.27E+00	4.14E-01	1.70E+02
1033	490111.24	3859716.13	23.5068	14.837	39.451	7.32231	1.79E+00	1.58E+02	4.36E+00	4.19E-01	1.65E+02	1.74E+00	6.69E-04	4.36E-01	8.20E-02	2.26E+00	1.95E+00	1.58E+02	4.36E+00	4.19E-01	1.65E+02

1034	490161.24	3859716.13	22.7815	14.3309	40.011	7.39778	1.74E+00	1.53E+02	4.42E+00	4.23E-01	1.60E+02	1.69E+00	6.46E-04	4.42E-01	8.28E-02	2.21E+00	1.89E+00	1.53E+02	4.42E+00	4.23E-01	1.60E+02
1035	490211.24	3859716.13	22.5215	13.8461	40.294	7.4629	1.72E+00	1.48E+02	4.45E+00	4.27E-01	1.54E+02	1.67E+00	6.24E-04	4.45E-01	8.35E-02	2.20E+00	1.87E+00	1.48E+02	4.45E+00	4.27E-01	1.55E+02
1036	490061.24	3859766.13	23.6597	16.1657	36.621	7.14568	1.80E+00	1.73E+02	4.05E+00	4.09E-01	1.79E+02	1.75E+00	7.29E-04	4.05E-01	8.00E-02	2.24E+00	1.96E+00	1.73E+02	4.05E+00	4.09E-01	1.79E+02
1037	490111.24	3859766.13	23.5439	15.4512	37.673	7.23014	1.79E+00	1.65E+02	4.17E+00	4.13E-01	1.71E+02	1.74E+00	6.97E-04	4.17E-01	8.09E-02	2.24E+00	1.95E+00	1.65E+02	4.17E+00	4.13E-01	1.71E+02
1038	490161.24	3859766.13	23.1425	14.7245	38.48	7.30307	1.76E+00	1.57E+02	4.25E+00	4.18E-01	1.64E+02	1.71E+00	6.64E-04	4.25E-01	8.18E-02	2.22E+00	1.92E+00	1.57E+02	4.25E+00	4.18E-01	1.64E+02
1039	490211.24	3859766.13	22.4857	14.2728	39.076	7.36548	1.71E+00	1.52E+02	4.32E+00	4.21E-01	1.59E+02	1.66E+00	6.43E-04	4.32E-01	8.25E-02	2.18E+00	1.87E+00	1.52E+02	4.32E+00	4.21E-01	1.59E+02
1040	490061.24	3859816.13	22.9514	17.2007	34.42	8.59561	1.75E+00	1.84E+02	3.81E+00	4.92E-01	1.90E+02	1.70E+00	7.75E-04	3.81E-01	9.62E-02	2.18E+00	1.91E+00	1.84E+02	3.81E+00	4.92E-01	1.90E+02
1041	490111.24	3859816.13	23.1596	16.0196	35.66	8.32762	1.77E+00	1.71E+02	3.94E+00	4.76E-01	1.77E+02	1.71E+00	7.22E-04	3.94E-01	9.32E-02	2.20E+00	1.92E+00	1.71E+02	3.94E+00	4.76E-01	1.77E+02
1042	490161.24	3859816.13	23.0991	15.298	36.714	8.08238	1.76E+00	1.63E+02	4.06E+00	4.62E-01	1.70E+02	1.71E+00	6.90E-04	4.06E-01	9.05E-02	2.21E+00	1.92E+00	1.63E+02	4.06E+00	4.62E-01	1.70E+02
1043	490211.24	3859816.13	22.7706	14.7912	37.551	7.85427	1.74E+00	1.58E+02	4.15E+00	4.49E-01	1.64E+02	1.69E+00	6.67E-04	4.15E-01	8.79E-02	2.19E+00	1.89E+00	1.58E+02	4.15E+00	4.49E-01	1.64E+02
1044	490061.24	3859866.13	21.8882	17.5852	32.392	11.20881	1.67E+00	1.88E+02	3.58E+00	6.41E-01	1.94E+02	1.62E+00	7.93E-04	3.58E-01	1.25E-01	2.10E+00	1.82E+00	1.88E+02	3.58E+00	6.41E-01	1.94E+02
1045	490111.24	3859866.13	22.417	16.9424	33.514	10.79087	1.71E+00	1.81E+02	3.71E+00	6.17E-01	1.87E+02	1.66E+00	7.64E-04	3.71E-01	1.21E-01	2.15E+00	1.86E+00	1.81E+02	3.71E+00	6.17E-01	1.87E+02
1046	490161.24	3859866.13	22.6904	16.2687	34.766	10.39737	1.73E+00	1.74E+02	3.84E+00	5.95E-01	1.80E+02	1.68E+00	7.33E-04	3.84E-01	1.16E-01	2.18E+00	1.88E+00	1.74E+02	3.84E+00	5.95E-01	1.80E+02
1047	490211.24	3859866.13	22.6912	15.5717	35.829	10.0241	1.73E+00	1.66E+02	3.96E+00	5.73E-01	1.72E+02	1.68E+00	7.02E-04	3.96E-01	1.12E-01	2.19E+00	1.88E+00	1.66E+02	3.96E+00	5.73E-01	1.73E+02
1048	490061.24	3859916.13	21.305	18.2251	32.808	13.37576	1.62E+00	1.94E+02	3.63E+00	7.65E-01	2.01E+02	1.58E+00	8.22E-04	3.63E-01	1.50E-01	2.09E+00	1.77E+00	1.94E+02	3.63E+00	7.65E-01	2.01E+02
1049	490111.24	3859916.13	21.3462	17.6667	32.725	12.90931	1.63E+00	1.89E+02	3.62E+00	7.38E-01	1.95E+02	1.58E+00	7.96E-04	3.62E-01	1.45E-01	2.09E+00	1.77E+00	1.89E+02	3.62E+00	7.38E-01	1.95E+02
1050	490161.24	3859916.13	21.9083	17.0785	32.69	12.45369	1.67E+00	1.82E+02	3.61E+00	7.12E-01	1.88E+02	1.62E+00	7.70E-04	3.61E-01	1.39E-01	2.12E+00	1.82E+00	1.82E+02	3.61E+00	7.12E-01	1.88E+02
1051	490211.24	3859916.13	22.2108	16.4631	33.882	12.01081	1.69E+00	1.76E+02	3.75E+00	6.87E-01	1.82E+02	1.64E+00	7.42E-04	3.75E-01	1.34E-01	2.15E+00	1.84E+00	1.76E+02	3.75E+00	6.87E-01	1.82E+02
1052	490229.25	3859815.26	22.5995	14.636	37.851	7.74581	1.72E+00	1.56E+02	4.18E+00	4.43E-01	1.63E+02	1.67E+00	6.60E-04	4.18E-01	8.67E-02	2.18E+00	1.88E+00	1.56E+02	4.18E+00	4.43E-01	1.63E+02
1053	490279.25	3859815.26	21.9177	14.2257	38.374	7.54056	1.67E+00	1.52E+02	4.24E+00	4.31E-01	1.58E+02	1.62E+00	6.41E-04	4.24E-01	8.44E-02	2.13E+00	1.82E+00	1.52E+02	4.24E+00	4.31E-01	1.58E+02
1054	490329.25	3859815.26	21.6639	13.7992	38.677	7.3502	1.65E+00	1.47E+02	4.28E+00	4.20E-01	1.54E+02	1.60E+00	6.22E-04	4.28E-01	8.23E-02	2.11E+00	1.80E+00	1.47E+02	4.28E+00	4.20E-01	1.54E+02
1055	490379.25	3859815.26	21.3257	13.3527	38.842	7.34355	1.63E+00	1.42E+02	4.29E+00	4.20E-01	1.49E+02	1.58E+00	6.02E-04	4.29E-01	8.22E-02	2.09E+00	1.77E+00	1.42E+02	4.29E+00	4.20E-01	1.49E+02
1056	490429.25	3859815.26	20.8326	12.8944	38.864	7.36982	1.59E+00	1.38E+02	4.30E+00	4.21E-01	1.44E+02	1.54E+00	5.81E-04	4.30E-01	8.25E-02	2.06E+00	1.73E+00	1.38E+02	4.30E+00	4.21E-01	1.44E+02
1057	490229.25	3859865.26	22.6359	15.2997	36.193	9.85696	1.73E+00	1.63E+02	4.00E+00	5.64E-01	1.70E+02	1.68E+00	6.90E-04	4.00E-01	1.10E-01	2.19E+00	1.88E+00	1.63E+02	4.00E+00	5.64E-01	1.70E+02
1058	490279.25	3859865.26	22.2635	14.696	36.959	9.50918	1.70E+00	1.57E+02	4.09E+00	5.44E-01	1.63E+02	1.65E+00	6.62E-04	4.09E-01	1.06E-01	2.16E+00	1.85E+00	1.57E+02	4.09E+00	5.44E-01	1.63E+02
1059	490329.25	3859865.26	21.6471	14.3009	37.516	9.18074	1.65E+00	1.53E+02	4.15E+00	5.25E-01	1.59E+02	1.60E+00	6.45E-04	4.15E-01	1.03E-01	2.12E+00	1.80E+00	1.53E+02	4.15E+00	5.25E-01	1.59E+02
1060	490379.25	3859865.26	21.3166	13.9131	37.9	8.87457	1.62E+00	1.48E+02	4.19E+00	5.07E-01	1.55E+02	1.58E+00	6.27E-04	4.19E-01	9.93E-02	2.10E+00	1.77E+00	1.48E+02	4.19E+00	5.07E-01	1.55E+02
1061	490429.25	3859865.26	21.0319	13.51	38.104	8.58751	1.60E+00	1.44E+02	4.21E+00	4.91E-01	1.50E+02	1.56E+00	6.09E-04	4.21E-01	9.61E-02	2.08E+00	1.75E+00	1.44E+02	4.21E+00	4.91E-01	1.51E+02
1062	490229.25	3859915.26	22.2758	16.2182	34.325	11.82819	1.70E+00	1.73E+02	3.79E+00	6.76E-01	1.79E+02	1.65E+00	7.31E-04	3.79E-01	1.32E-01	2.16E+00	1.85E+00	1.73E+02	3.79E+00	6.76E-01	1.79E+02
1063	490279.25	3859915.26	22.2045	15.5688	35.282	11.40342	1.69E+00	1.66E+02	3.90E+00	6.52E-01	1.72E+02	1.64E+00	7.02E-04	3.90E-01	1.28E-01	2.16E+00	1.84E+00	1.66E+02	3.90E+00	6.52E-01	1.73E+02
1064	490329.25	3859915.26	21.9041	14.8986	36.073	10.99894	1.67E+00	1.59E+02	3.99E+00	6.29E-01	1.65E+02	1.62E+00	6.72E-04	3.99E-01	1.23E-01	2.14E+00	1.82E+00	1.59E+02	3.99E+00	6.29E-01	1.65E+02
1065	490379.25	3859915.26	21.3739	14.346	36.685	10.61145	1.63E+00	1.53E+02	4.06E+00	6.07E-01	1.59E+02	1.58E+00	6.47E-04	4.06E-01	1.19E-01	2.11E+00	1.77E+00	1.53E+02	4.06E+00	6.07E-01	1.60E+02
1066	490429.25	3859915.26	20.9409	13.9807	37.093	10.23785	1.60E+00	1.49E+02	4.10E+00	5.85E-01	1.55E+02	1.55E+00	6.30E-04	4.10E-01	1.15E-01	2.08E+00	1.74E+00	1.49E+02	4.10E+00	5.85E-01	1.56E+02
1067	490451.43	3859872.59	20.8593	13.4084	38.004	8.70534	1.59E+00	1.43E+02	4.20E+00	4.98E-01	1.49E+02	1.54E+00	6.04E-04	4.20E-01	9.75E-02	2.06E+00	1.73E+00	1.43E+02	4.20E+00	4.98E-01	1.50E+02
1068	490501.43	3859872.59	20.3758	12.9913	38.023	8.43141	1.55E+00	1.39E+02	4.20E+00	4.82E-01	1.45E+02	1.51E+00	5.86E-04	4.20E-01	9.44E-02	2.02E+00	1.69E+00	1.39E+02	4.20E+00	4.82E-01	1.45E+02
1069	490551.43	3859872.59	20.106	12.5599	37.948	8.18758	1.53E+00	1.34E+02	4.20E+00	4.68E-01	1.40E+02	1.49E+00	5.66E-04	4.20E-01	9.17E-02	2.00E+00	1.67E+00	1.34E+02	4.20E+00	4.68E-01	1.40E+02
1070	490601.43	3859872.59	20.5636	12.4	37.694	7.96304	1.57E+00	1.32E+02	4.17E+00	4.55E-01	1.39E+02	1.52E+00	5.59E-04	4.17E-01	8.91E-02	2.03E+00	1.71E+00	1.32E+02	4.17E+00	4.55E-01	1.39E+02
1071	490451.43	3859922.59	20.8382	13.8821	37.066	10.29363	1.59E+00	1.48E+02	4.10E+00	5.89E-01	1.54E+02	1.54E+00	6.26E-04	4.10E-01	1.15E-01	2.07E+00	1.73E+00	1.48E+02	4.10E+00	5.89E-01	1.55E+02
1072	490501.43	3859922.59	20.5666	13.5181	37.279	9.93803	1.57E+00	1.44E+02	4.12E+00	5.68E-01	1.51E+02	1.52E+00	6.09E-04	4.12E-01	1.11E-01	2.05E+00	1.71E+00	1.44E+02	4.12E+00	5.68E-01	1.51E+02
1073	490551.43	3859922.59	20.1653	13.1363	37.397	9.60656	1.54E+00	1.40E+02	4.13E+00	5.49E-01	1.46E+02	1.49E+00	5.92E-04	4.13E-01	1.08E-01	2.01E+00	1.67E+00	1.40E+02	4.13E+00	5.49E-01	1.47E+02
1074	490601.43	3859922.59	19.621	12.7389	37.381	9.30026	1.50E+00	1.36E+02	4.13E+00	5.32E-01	1.42E+02	1.45E+00	5.74E-04	4.13E-01	1.04E-01	1.97E+00	1.63E+00	1.36E+02	4.13E+00	5.32E-01	1.42E+02
1075	482129.67	3852241.07	33.2516	7.30557	13.735	5.00372	2.53E+00	7.80E+01	1.52E+00	2.86E-01	8.23E+01	2.46E+00	3.29E-04	1.52E-01	5.60E-02	2.67E+00	2.76E+00	7.80E+01	1.52E+00	2.86E-01	8.25E+01
1076	482029.67	3852291.07	30.4251	7.85501	15.168	4.57482	2.32E+00	8.38E+01	1.68E+00	2.62E-01	8.81E+01	2.25E+00	3.54E-04	1.68E-01	5.12E-02	2.47E+00	2.53E+00	8.38E+01	1.68E+00	2.62E-01	8.83E+01
1077	482079.67	3852291.07	30.3815	7.72215	14.749	4.77808	2.32E+00	8.24E+01	1.63E+00	2.73E-01	8.66E+01	2.25E+00	3.48E-04	1.63E-01	5.35E-02	2.47E+00	2.52E+00	8.24E+01	1.63E+00	2.73E-01	8.68E+01
1078	482129.67	3852291.07	32.3781	7.52931	14.317	4.97062	2.47E+00	8.04E+01	1.58E+00	2.84E-01	8.47E+01	2.40E+00	3.39E-04	1.58E-01	5.56E-02	2.61E+00	2.69E+00	8.04E+01	1.58E+00	2.84E-01	8.49E+01
1079	482179.67	3852291.07	33.9417	7.36701	13.87	5.14987	2.59E+00	7.86E+01	1.53E+00	2.94E-01	8.30E+01	2.51E+00	3.32E-04	1.53E-01	5.76E-02	2.72E+00	2.82E+00	7.86E+01	1.53E+00	2.94E-01	8.33E+01
1080	482229.67	3852291.07	34.974	7.01859	13.41	5.31411	2.67E+00	7.49E+01	1.48E+00	3.04E-01	7.94E+01	2.59E+00	3.16E-04	1.48E-01	5.95E-02	2.80E+00	2.90E+00	7.49E+01	1.48E+00	3.04E-01	7.96E+01
1081	482029.67	3852341.07	31.733	8.00991	15.733	4.52575	2.42E+00	8.55E+01	1.74E+00	2.59E-01	8.99E+01	2.35E+00	3.61E-04	1.74E-01	5.07E-02	2.57E+00	2.63E+00	8.55E+01	1.74E+00	2.59E-01	9.01E+01
1082	482079.67	3852341.07	30.8588	7.90289	15.324	4.73517	2.35E+00	8.43E+01	1.69E+00	2.71E-01	8.87E+01	2.28E+00	3.56E-04	1.69E-01	5.30E-02	2.51E+00	2.56E+00	8.43E+01	1.69E+00	2.71E-01	8.89E+01
1083	482129.67	3852341.07	31.0261	7.75478	14.901	4.93505	2.36E+00	8.28E+01	1.65E+00	2.82E-01	8.71E+01	2.30E+00	3.50E-04	1.65E-01	5.52E-02	2.52E+00	2.58E+00	8.28E+01	1.65E+00	2.82E-01	8.73E+01
1084	482179.67	3852341.07	33.0578	7.6056	14.462	5.12205	2.52E+00	8.12E+01	1.60E+00	2.93E-01	8.56E+01	2.45E+00	3.43E-04	1.60E-01	5.73E-02	2.66E+00	2.74E+00	8.12E+01	1.60E+00	2.93E-01	8.58E+01
1085	482259.06	3852400.14	34.3303	7.81834	14.473	5.3716	2.62E+00	8.34E+01	1.60E+00	3.07E-01	8.80E+01	2.54E+00	3.52E-04	1.60E-01	6.01E-02	2.76E+00	2.85E+00	8.34E+01	1.60E+00	3.07E-01	8.82E+01
1086	482309.06	3852400.14	35.8092	7.24435	13.997	5.52443	2.73E+00	7.73E+01	1.55E+00	3.16E-01	8.19E+01	2.65E+00	3.27E-04	1.55E-01	6.18E-02	2.87E+00	2.97E+00	7.73E+01	1.55E+00	3.16E-01	8.21E+01
1087	482209.06	3852450.14	31.6771	8.15908	15.512	5.16801	2.41E+00	8.71E+01	1.72E+00	2.96E-01	9.15E+01	2.35E+00	3.68E-04	1.72E-01	5.79E-02	2.57E+00	2.63E+00	8.71E+01	1.72E+00	2.96E-01	9.17E+01
1088	482259.06	3852450.14	33.2154	8.04909	15.072	5.34927	2.53E+00	8.59E+01	1.67E+00	3.06E-01	9.04E+01	2.46E+00	3.63E-04	1.67E-01	5.99E-02	2.69E+00	2.76E+00	8.59E+01	1.67E+00	3.06E-01	9.06E+01
1089	482309.06	3852450.14	35.1957	7.59003	14.609	5.51143	2.68E+00	8.10E+01	1.62E+00	3.15E-01	8.56E+01	2.61E+00	3.42E-04	1.62E-01	6.17E-02	2.83E+00	2.92E+00	8.10E+01	1.62E+00	3.15E-01	8.59E+01
1090	482209.06	3852500.14	32.7978	8.27419	16.097	5.13429	2.50E+00	8.83E+01	1.78E+00	2.94E-01	9.29E+01	2.43E+00	3.73E-04	1.78E-01	5.75E-02	2.66E+00	2.72E+00	8.83E+01	1.78E+00	2.94E-01	9.31E+01
1091	482259.06	3852500.14	32.2527	8.22841	15.669	5.32369	2.46E+00	8.78E+01	1.73E+00	3.04E-01	9.23E+01	2.39E+00	3.71E-04	1.73E-01	5.96E-02	2.62E+00	2.68E+00	8.78E+01	1.73E+00	3.04E-01	9.25E+01
1092	482309.06	3852500.14	34.0563	7.92317	15.22	5.49553	2.60E+00	8.46E+01	1.68E+00	3.14E-01	8.91E+01	2.52E+00	3.57E-04	1.68E-01	6.15E-02	2.75E+00	2.83E+00	8.46E+01	1.68E+00	3.14E-01	8.94E+01
1093	482283.91	3852513.62	32.4208	8.18069	15.612	5.40558	2.47E+00	8.73E+01	1.73E+00	3.09E-01	9.18E+01	2.40E+00	3.69E-04	1.73E-01	6.05E-02	2.63E+00	2.69E+00	8.73E+01	1.73E+00	3.09E-01	9.20E+01
1094	482333.91	3852513.62	34.7048	7.80596	15.161	5.57131	2.65E+00	8.33E+01	1.68E+00	3.19E-01	8.79E+01	2.57E+00	3.52E-04	1.68E-01	6.24E-02	2.80E+00	2.88E+00	8.33E+01	1.68E+00	3.19E-01	8.82E+01

1095	482283.91	3852563.62	33.2174	8.42467	16.214	5.38188	2.53E+00	8.99E+01	1.79E+00	3.08E-01	9.45E+01	2.46E+00	3.80E-04	1.79E-01	6.02E-02	2.70E+00	2.76E+00	8.99E+01	1.79E+00	3.08E-01	9.48E+01
1096	482333.91	3852563.62	33.103	8.16956	15.778	5.55711	2.52E+00	8.72E+01	1.74E+00	3.18E-01	9.18E+01	2.45E+00	3.68E-04	1.74E-01	6.22E-02	2.69E+00	2.75E+00	8.72E+01	1.74E+00	3.18E-01	9.20E+01
1097	482383.91	3852563.62	35.3409	7.75639	15.327	5.71316	2.69E+00	8.28E+01	1.69E+00	3.27E-01	8.75E+01	2.62E+00	3.50E-04	1.69E-01	6.40E-02	2.85E+00	2.93E+00	8.28E+01	1.69E+00	3.27E-01	8.77E+01
1098	482283.91	3852613.62	34.6759	8.55669	16.797	5.35226	2.64E+00	9.13E+01	1.86E+00	3.06E-01	9.61E+01	2.57E+00	3.86E-04	1.86E-01	5.99E-02	2.81E+00	2.88E+00	9.13E+01	1.86E+00	3.06E-01	9.64E+01
1099	482333.91	3852613.62	33.7687	8.4092	16.382	5.53817	2.57E+00	8.97E+01	1.81E+00	3.17E-01	9.44E+01	2.50E+00	3.79E-04	1.81E-01	6.20E-02	2.74E+00	2.80E+00	8.97E+01	1.81E+00	3.17E-01	9.47E+01
1100	482383.91	3852613.62	33.7895	8.08851	15.948	5.70421	2.58E+00	8.63E+01	1.76E+00	3.26E-01	9.10E+01	2.50E+00	3.65E-04	1.76E-01	6.39E-02	2.74E+00	2.81E+00	8.63E+01	1.76E+00	3.26E-01	9.12E+01
1101	482602.38	3852600.87	38.8511	6.87487	13.672	6.15511	2.96E+00	7.34E+01	1.51E+00	3.52E-01	7.82E+01	2.88E+00	3.10E-04	1.51E-01	6.89E-02	3.10E+00	3.23E+00	7.34E+01	1.51E+00	3.52E-01	7.85E+01
1102	482652.38	3852600.87	37.9106	6.85786	13.168	6.19926	2.89E+00	7.32E+01	1.46E+00	3.54E-01	7.79E+01	2.81E+00	3.09E-04	1.46E-01	6.94E-02	3.02E+00	3.15E+00	7.32E+01	1.46E+00	3.54E-01	7.81E+01
1103	482702.38	3852600.87	36.3753	6.52596	12.646	6.2196	2.77E+00	6.96E+01	1.40E+00	3.56E-01	7.42E+01	2.69E+00	2.94E-04	1.40E-01	6.96E-02	2.90E+00	3.02E+00	6.96E+01	1.40E+00	3.56E-01	7.44E+01
1104	482552.38	3852650.87	39.2059	7.22987	14.82	6.10719	2.99E+00	7.72E+01	1.64E+00	3.49E-01	8.21E+01	2.90E+00	3.26E-04	1.64E-01	6.84E-02	3.14E+00	3.25E+00	7.72E+01	1.64E+00	3.49E-01	8.24E+01
1105	482602.38	3852650.87	39.7037	7.0438	14.323	6.17935	3.03E+00	7.52E+01	1.58E+00	3.53E-01	8.01E+01	2.94E+00	3.18E-04	1.58E-01	6.92E-02	3.17E+00	3.30E+00	7.52E+01	1.58E+00	3.53E-01	8.04E+01
1106	482652.38	3852650.87	39.3775	7.06512	13.821	6.23	3.00E+00	7.54E+01	1.53E+00	3.56E-01	8.03E+01	2.92E+00	3.18E-04	1.53E-01	6.97E-02	3.14E+00	3.27E+00	7.54E+01	1.53E+00	3.56E-01	8.06E+01
1107	482702.38	3852650.87	38.3166	7.01273	13.312	6.25918	2.92E+00	7.48E+01	1.47E+00	3.58E-01	7.96E+01	2.84E+00	3.16E-04	1.47E-01	7.01E-02	3.05E+00	3.18E+00	7.48E+01	1.47E+00	3.58E-01	7.98E+01
1108	482552.38	3852700.87	38.7953	7.48473	15.466	6.12201	2.96E+00	7.99E+01	1.71E+00	3.50E-01	8.49E+01	2.87E+00	3.37E-04	1.71E-01	6.85E-02	3.11E+00	3.22E+00	7.99E+01	1.71E+00	3.50E-01	8.52E+01
1109	482602.38	3852700.87	39.9073	7.2897	14.981	6.203	3.04E+00	7.78E+01	1.66E+00	3.55E-01	8.28E+01	2.95E+00	3.29E-04	1.66E-01	6.94E-02	3.19E+00	3.31E+00	7.78E+01	1.66E+00	3.55E-01	8.31E+01
1110	482652.38	3852700.87	40.091	7.34689	14.495	6.26312	3.06E+00	7.84E+01	1.60E+00	3.58E-01	8.34E+01	2.97E+00	3.31E-04	1.60E-01	7.01E-02	3.20E+00	3.33E+00	7.84E+01	1.60E+00	3.58E-01	8.37E+01
1111	482702.38	3852700.87	39.7641	7.31661	13.981	6.29647	3.03E+00	7.81E+01	1.55E+00	3.60E-01	8.30E+01	2.94E+00	3.30E-04	1.55E-01	7.05E-02	3.17E+00	3.30E+00	7.81E+01	1.55E+00	3.60E-01	8.33E+01
1112	482452.38	3852750.87	35.8712	8.2624	17.019	5.88578	2.73E+00	8.82E+01	1.88E+00	3.37E-01	9.31E+01	2.66E+00	3.72E-04	1.88E-01	6.59E-02	2.91E+00	2.98E+00	8.82E+01	1.88E+00	3.37E-01	9.34E+01
1113	482521.29	3852749.74	36.2248	7.95222	16.39	6.06866	2.76E+00	8.49E+01	1.81E+00	3.47E-01	8.98E+01	2.68E+00	3.58E-04	1.81E-01	6.79E-02	2.93E+00	3.01E+00	8.49E+01	1.81E+00	3.47E-01	9.00E+01
1114	482571.29	3852749.74	38.4682	7.68588	15.923	6.17214	2.93E+00	8.20E+01	1.76E+00	3.53E-01	8.71E+01	2.85E+00	3.46E-04	1.76E-01	6.91E-02	3.09E+00	3.19E+00	8.20E+01	1.76E+00	3.53E-01	8.73E+01
1115	482521.29	3852799.74	35.9339	8.20378	17.023	6.07489	2.74E+00	8.75E+01	1.88E+00	3.47E-01	9.25E+01	2.66E+00	3.70E-04	1.88E-01	6.80E-02	2.92E+00	2.98E+00	8.75E+01	1.88E+00	3.47E-01	9.28E+01
1116	482571.29	3852799.74	36.9911	7.9717	16.57	6.18723	2.82E+00	8.51E+01	1.83E+00	3.54E-01	9.01E+01	2.74E+00	3.59E-04	1.83E-01	6.93E-02	2.99E+00	3.07E+00	8.51E+01	1.83E+00	3.54E-01	9.03E+01
1117	482621.29	3852799.74	39.2395	7.7059	16.098	6.27373	2.99E+00	8.22E+01	1.78E+00	3.59E-01	8.74E+01	2.91E+00	3.47E-04	1.78E-01	7.02E-02	3.15E+00	3.26E+00	8.22E+01	1.78E+00	3.59E-01	8.76E+01
1118	482571.29	3852849.74	36.5779	8.20225	17.204	6.19848	2.79E+00	8.75E+01	1.90E+00	3.54E-01	9.26E+01	2.71E+00	3.70E-04	1.90E-01	6.94E-02	2.97E+00	3.04E+00	8.75E+01	1.90E+00	3.54E-01	9.28E+01
1119	482621.29	3852849.74	37.9675	7.94256	16.745	6.29265	2.89E+00	8.48E+01	1.85E+00	3.60E-01	8.99E+01	2.81E+00	3.58E-04	1.85E-01	7.04E-02	3.07E+00	3.15E+00	8.48E+01	1.85E+00	3.60E-01	9.01E+01
1120	482577.42	3852901.55	38.3871	8.38156	17.794	6.22114	2.93E+00	8.94E+01	1.97E+00	3.56E-01	9.47E+01	2.84E+00	3.78E-04	1.97E-01	6.96E-02	3.11E+00	3.19E+00	8.94E+01	1.97E+00	3.56E-01	9.50E+01
1121	482627.42	3852901.55	37.3212	8.14202	17.349	6.32078	2.84E+00	8.69E+01	1.92E+00	3.61E-01	9.20E+01	2.76E+00	3.67E-04	1.92E-01	7.08E-02	3.03E+00	3.10E+00	8.69E+01	1.92E+00	3.61E-01	9.23E+01
1122	482629.96	3852955.85	39.3019	8.37672	18.013	6.34401	3.00E+00	8.94E+01	1.99E+00	3.63E-01	9.47E+01	2.91E+00	3.78E-04	1.99E-01	7.10E-02	3.18E+00	3.26E+00	8.94E+01	1.99E+00	3.63E-01	9.50E+01
1123	482679.96	3852955.85	38.1665	8.12819	17.567	6.42433	2.91E+00	8.67E+01	1.94E+00	3.67E-01	9.20E+01	2.83E+00	3.66E-04	1.94E-01	7.19E-02	3.09E+00	3.17E+00	8.67E+01	1.94E+00	3.67E-01	9.22E+01
1124	482781.63	3853034.48	40.5991	7.9159	17.645	6.5629	3.09E+00	8.45E+01	1.95E+00	3.75E-01	8.99E+01	3.01E+00	3.57E-04	1.95E-01	7.35E-02	3.27E+00	3.37E+00	8.45E+01	1.95E+00	3.75E-01	9.02E+01
1125	482831.63	3853034.48	43.2679	7.59931	17.158	6.57419	3.30E+00	8.11E+01	1.90E+00	3.76E-01	8.67E+01	3.20E+00	3.43E-04	1.90E-01	7.36E-02	3.47E+00	3.59E+00	8.11E+01	1.90E+00	3.76E-01	8.70E+01
1126	482881.63	3853034.48	45.0276	7.49794	16.651	6.56361	3.43E+00	8.00E+01	1.84E+00	3.75E-01	8.57E+01	3.33E+00	3.38E-04	1.84E-01	7.35E-02	3.59E+00	3.74E+00	8.00E+01	1.84E+00	3.75E-01	8.60E+01
1127	482781.63	3853084.48	41.0782	8.19255	18.306	6.59916	3.13E+00	8.74E+01	2.02E+00	3.77E-01	9.30E+01	3.04E+00	3.69E-04	2.02E-01	7.39E-02	3.32E+00	3.41E+00	8.74E+01	2.02E+00	3.77E-01	9.32E+01
1128	482831.63	3853084.48	41.7437	7.8682	17.837	6.61545	3.18E+00	8.40E+01	1.97E+00	3.78E-01	8.95E+01	3.09E+00	3.55E-04	1.97E-01	7.41E-02	3.36E+00	3.47E+00	8.40E+01	1.97E+00	3.78E-01	8.98E+01
1129	482881.63	3853084.48	44.3749	7.57518	17.346	6.60913	3.38E+00	8.08E+01	1.92E+00	3.78E-01	8.65E+01	3.29E+00	3.41E-04	1.92E-01	7.40E-02	3.55E+00	3.68E+00	8.08E+01	1.92E+00	3.78E-01	8.68E+01
1130	482781.63	3853134.48	42.699	8.46168	18.952	6.63522	3.25E+00	9.03E+01	2.10E+00	3.79E-01	9.60E+01	3.16E+00	3.81E-04	2.10E-01	7.43E-02	3.45E+00	3.54E+00	9.03E+01	2.10E+00	3.79E-01	9.63E+01
1131	482831.63	3853134.48	41.92	8.17214	18.507	6.65717	3.20E+00	8.72E+01	2.05E+00	3.81E-01	9.28E+01	3.10E+00	3.68E-04	2.05E-01	7.45E-02	3.38E+00	3.48E+00	8.72E+01	2.05E+00	3.81E-01	9.31E+01
1132	482881.63	3853134.48	42.782	7.86832	18.038	6.65579	3.26E+00	8.40E+01	1.99E+00	3.81E-01	8.96E+01	3.17E+00	3.55E-04	1.99E-01	7.45E-02	3.44E+00	3.55E+00	8.40E+01	1.99E+00	3.81E-01	8.99E+01
1133	482831.63	3853184.48	43.6124	8.45403	19.16	6.69825	3.32E+00	9.02E+01	2.12E+00	3.83E-01	9.60E+01	3.23E+00	3.81E-04	2.12E-01	7.50E-02	3.52E+00	3.62E+00	9.02E+01	2.12E+00	3.83E-01	9.63E+01
1134	482881.63	3853184.48	42.6644	8.18016	18.716	6.7016	3.25E+00	8.73E+01	2.07E+00	3.83E-01	9.30E+01	3.16E+00	3.69E-04	2.07E-01	7.50E-02	3.44E+00	3.54E+00	8.73E+01	2.07E+00	3.83E-01	9.33E+01
1135	484154.84	3854250.98	63.5405	4.58827	21.383	14.13307	4.84E+00	4.90E+01	2.36E+00	8.08E-01	5.70E+01	4.70E+00	2.07E-04	2.36E-01	1.58E-01	5.10E+00	5.28E+00	4.90E+01	2.36E+00	8.08E-01	5.74E+01
1136	484204.84	3854250.98	55.4904	4.42507	20.639	14.11139	4.23E+00	4.72E+01	2.28E+00	8.07E-01	5.45E+01	4.11E+00	1.99E-04	2.28E-01	1.58E-01	4.49E+00	4.61E+00	4.72E+01	2.28E+00	8.07E-01	5.49E+01
1137	484154.84	3854300.98	65.2594	4.69838	22.375	14.72509	4.97E+00	5.01E+01	2.47E+00	8.42E-01	5.84E+01	4.83E+00	2.12E-04	2.47E-01	1.65E-01	5.24E+00	5.42E+00	5.01E+01	2.47E+00	8.42E-01	5.89E+01
1138	484204.84	3854300.98	59.4171	4.53974	21.665	14.7227	4.53E+00	4.84E+01	2.40E+00	8.42E-01	5.62E+01	4.40E+00	2.05E-04	2.40E-01	1.65E-01	4.80E+00	4.93E+00	4.84E+01	2.40E+00	8.42E-01	5.66E+01
1139	484074.19	3854519.8	73.8986	5.32355	26.921	13.97599	5.63E+00	5.68E+01	2.98E+00	7.99E-01	6.62E+01	5.47E+00	2.40E-04	2.98E-01	1.56E-01	5.93E+00	6.14E+00	5.68E+01	2.98E+00	7.99E-01	6.67E+01
1140	484124.19	3854519.8	67.5113	5.22052	26.565	15.08421	5.15E+00	5.57E+01	2.94E+00	8.63E-01	6.47E+01	5.00E+00	2.35E-04	2.94E-01	1.69E-01	5.46E+00	5.60E+00	5.57E+01	2.94E+00	8.63E-01	6.51E+01
1141	484074.19	3854569.8	84.4568	5.39124	27.527	13.93719	6.44E+00	5.75E+01	3.04E+00	7.97E-01	6.78E+01	6.25E+00	2.43E-04	3.04E-01	1.56E-01	6.71E+00	7.01E+00	5.75E+01	3.04E+00	7.97E-01	6.84E+01
1142	484124.19	3854569.8	70.3741	5.30122	27.254	15.12756	5.36E+00	5.66E+01	3.01E+00	8.65E-01	6.58E+01	5.21E+00	2.39E-04	3.01E-01	1.69E-01	5.68E+00	5.84E+00	5.66E+01	3.01E+00	8.65E-01	6.63E+01
1143	485205.11	3855188.89	58.719	3.51316	25.952	17.5516	4.48E+00	3.75E+01	2.87E+00	1.00E+00	4.58E+01	4.35E+00	1.58E-04	2.87E-01	1.96E-01	4.83E+00	4.87E+00	3.75E+01	2.87E+00	1.00E+00	4.62E+01
1144	485255.11	3855188.89	51.5543	3.19931	24.797	16.19724	3.93E+00	3.41E+01	2.74E+00	9.26E-01	4.17E+01	3.82E+00	1.44E-04	2.74E-01	1.81E-01	4.27E+00	4.28E+00	3.41E+01	2.74E+00	9.26E-01	4.21E+01
1145	485205.11	3855238.89	62.3962	3.52332	27.476	16.60056	4.76E+00	3.76E+01	3.04E+00	9.49E-01	4.63E+01	4.62E+00	1.59E-04	3.04E-01	1.86E-01	5.11E+00	5.18E+00	3.76E+01	3.04E+00	9.49E-01	4.68E+01
1146	485255.11	3855238.89	57.4468	3.35475	26.379	20.06629	4.38E+00	3.58E+01	2.92E+00	1.15E+00	4.42E+01	4.25E+00	1.51E-04	2.92E-01	2.25E-01	4.77E+00	4.77E+00	3.58E+01	2.92E+00	1.15E+00	4.46E+01
1147	485205.11	3855288.89	75.6381	4.05586	28.984	21.57347	5.77E+00	4.33E+01	3.20E+00	1.23E+00	5.35E+01	5.60E+00	1.83E-04	3.20E-01	2.42E-01	6.16E+00	6.28E+00	4.33E+01	3.20E+00	1.23E+00	5.40E+01
1148	485255.11	3855288.89	67.382	3.80399	27.953	24.57707	5.14E+00	4.06E+01	3.09E+00	1.41E+00	5.02E+01	4.99E+00	1.71E-04	3.09E-01	2.75E-01	5.57E+00	5.59E+00	4.06E+01	3.09E+00	1.41E+00	5.07E+01
1149	485255.11	3855338.89	79.4067	4.3153	29.485	27.19795	6.05E+00	4.61E+01	3.26E+00	1.56E+00	5.69E+01	5.88E+00	1.95E-04	3.26E-01	3.04E-01	6.51E+00	6.59E+00	4.61E+01	3.26E+00	1.56E+00	5.75E+01
1150	485305.11	3855338.89	70.2737	3.95194	28.439	27.7321	5.36E+00	4.22E+01	3.14E+00	1.59E+00	5.23E+01	5.20E+00	1.78E-04	3.14E-01	3.10E-01	5.83E+00	5.83E+00	4.22E+01	3.14E+00	1.59E+00	5.27E+01
1151	485852.5	3855635.28	48.9259	3.92296	24.228	17.21244	3.73E+00	4.19E+01	2.68E+00	9.84E-01	4.93E+01	3.62E+00	1.77E-04	2.68E-01	1.93E-01	4.08E+00	4.06E+00	4.19E+01	2.68E+00	9.84E-01	4.96E+01
1152	485902.5	3855635.28	42.3671	3.71436	29.926	16.43357	3.23E+00	3.96E+01	3.31E+00	9.40E-01	4.71E+01	3.14E+00	1.67E-04	3.31E-01	1.84E-01	3.65E+00	3.52E+00	3.96E+01	3.31E+00	9.40E-01	4.74E+01
1153	485852.5	3855685.28	55.1969	4.08419	26.315	17.80505	4.21E+00	4.36E+01	2.91E+00	1.02E+00	5.17E+01	4.09E+00	1.84E-04	2.91E-01	1.99E-01	4.58E+00	4.58E+00	4.36E+01	2.91E+00	1.02E+00	5.21E+01
1154	485902.5	3855685.28	47.4612	3.78416	24.628	18.90383	3.62E+00	4.04E+01	2.72E+00	1.08E+00	4.78E+01	3.51E+00	1.71E-04	2.72E-01	2.12E-01	4.00E+00	3.94E+00	4.04E+01	2.72E+00	1.08E+00	4.81E+01
1155	485852.5	3855735.28	61.9886	4.25933	28.449	21.65644	4.72E+00	4.55E+01	3.15E+00	1.24E+00	5.46E+01	4.59E+00	1.92E-04	3.15E-01	2.42E-01	5.15E+00	5.15E+00	4.55E+01	3.15E+00	1.24E+00	5.50E+01

1156	485902.5	3855735.28	54.44	4.02613	26.781	22.03775	4.15E+00	4.30E+01	2.96E+00	1.26E+00	5.13E+01	4.03E+00	1.81E-04	2.96E-01	2.47E-01	4.57E+00	4.52E+00	4.30E+01	2.96E+00	1.26E+00	5.17E+01
1157	485852.5	3855785.28	70.1955	4.55654	30.603	22.89831	5.35E+00	4.86E+01	3.38E+00	1.31E+00	5.87E+01	5.20E+00	2.05E-04	3.38E-01	2.56E-01	5.79E+00	5.83E+00	4.86E+01	3.38E+00	1.31E+00	5.91E+01
1158	485902.5	3855785.28	61.3775	4.15408	28.976	22.90889	4.68E+00	4.43E+01	3.20E+00	1.31E+00	5.35E+01	4.54E+00	1.87E-04	3.20E-01	2.56E-01	5.12E+00	5.10E+00	4.43E+01	3.20E+00	1.31E+00	5.39E+01
1159	486809.46	3856465.28	56.9875	5.2612	39.011	20.13235	4.34E+00	5.61E+01	4.31E+00	1.15E+00	6.60E+01	4.22E+00	2.37E-04	4.31E-01	2.25E-01	4.88E+00	4.73E+00	5.61E+01	4.31E+00	1.15E+00	6.63E+01
1160	486859.46	3856465.28	52.4584	5.26862	34.578	19.5102	4.00E+00	5.62E+01	3.82E+00	1.12E+00	6.52E+01	3.88E+00	2.38E-04	3.82E-01	2.18E-01	4.48E+00	4.36E+00	5.62E+01	3.82E+00	1.12E+00	6.55E+01
1161	486909.46	3856465.28	49.3016	5.27519	27.709	18.97215	3.76E+00	5.63E+01	3.06E+00	1.08E+00	6.42E+01	3.65E+00	2.38E-04	3.06E-01	2.12E-01	4.17E+00	4.09E+00	5.63E+01	3.06E+00	1.08E+00	6.45E+01
1162	486809.46	3856515.28	63.6684	5.42669	36.799	20.58488	4.85E+00	5.79E+01	4.07E+00	1.18E+00	6.80E+01	4.71E+00	2.45E-04	4.07E-01	2.30E-01	5.35E+00	5.29E+00	5.79E+01	4.07E+00	1.18E+00	6.84E+01
1163	486859.46	3856515.28	58.9306	5.43353	35.143	19.9397	4.49E+00	5.80E+01	3.89E+00	1.14E+00	6.75E+01	4.36E+00	2.45E-04	3.89E-01	2.23E-01	4.97E+00	4.89E+00	5.80E+01	3.89E+00	1.14E+00	6.79E+01
1164	486909.46	3856515.28	54.405	5.43925	30.514	19.38539	4.15E+00	5.80E+01	3.37E+00	1.11E+00	6.67E+01	4.03E+00	2.45E-04	3.37E-01	2.17E-01	4.58E+00	4.52E+00	5.80E+01	3.37E+00	1.11E+00	6.70E+01
1165	486980.94	3856357.95	38.8922	4.88692	30.963	15.75033	2.96E+00	5.22E+01	3.42E+00	9.01E-01	5.94E+01	2.88E+00	2.20E-04	3.42E-01	1.76E-01	3.40E+00	3.23E+00	5.22E+01	3.42E+00	9.01E-01	5.97E+01
1166	487030.94	3856357.95	37.636	4.8961	40.578	15.28585	2.87E+00	5.22E+01	4.49E+00	8.74E-01	6.05E+01	2.79E+00	2.21E-04	4.49E-01	1.71E-01	3.41E+00	3.12E+00	5.23E+01	4.49E+00	8.74E-01	6.07E+01
1167	486980.94	3856407.95	41.308	5.08036	25.486	16.75523	3.15E+00	5.42E+01	2.82E+00	9.58E-01	6.11E+01	3.06E+00	2.29E-04	2.82E-01	1.88E-01	3.53E+00	3.43E+00	5.42E+01	2.82E+00	9.58E-01	6.14E+01
1168	487030.94	3856407.95	39.6098	5.08833	31.772	16.21282	3.02E+00	5.43E+01	3.51E+00	9.27E-01	6.18E+01	2.93E+00	2.29E-04	3.51E-01	1.81E-01	3.47E+00	3.29E+00	5.43E+01	3.51E+00	9.27E-01	6.20E+01
1169	487447.18	3856437.45	31.3532	5.25535	63.81	12.57009	2.39E+00	5.61E+01	7.05E+00	7.19E-01	6.62E+01	2.32E+00	2.37E-04	7.05E-01	1.41E-01	3.17E+00	2.60E+00	5.61E+01	7.05E+00	7.19E-01	6.65E+01
1170	487497.18	3856437.45	30.6012	5.26231	65.855	12.08099	2.33E+00	5.62E+01	7.28E+00	6.91E-01	6.65E+01	2.27E+00	2.37E-04	7.28E-01	1.35E-01	3.13E+00	2.54E+00	5.62E+01	7.28E+00	6.91E-01	6.67E+01
1171	487547.18	3856437.45	29.8841	5.46447	66.783	11.58093	2.28E+00	5.83E+01	7.38E+00	6.62E-01	6.86E+01	2.21E+00	2.46E-04	7.38E-01	1.30E-01	3.08E+00	2.48E+00	5.83E+01	7.38E+00	6.62E-01	6.88E+01
1172	487447.18	3856487.45	32.8164	5.41471	64.007	13.40153	2.50E+00	5.78E+01	7.08E+00	7.66E-01	6.81E+01	2.43E+00	2.44E-04	7.08E-01	1.50E-01	3.29E+00	2.72E+00	5.78E+01	7.08E+00	7.66E-01	6.84E+01
1173	487497.18	3856487.45	31.8206	5.4202	66.545	12.91689	2.43E+00	5.78E+01	7.36E+00	7.39E-01	6.84E+01	2.36E+00	2.44E-04	7.36E-01	1.45E-01	3.24E+00	2.64E+00	5.78E+01	7.36E+00	7.39E-01	6.86E+01
1174	487547.18	3856487.45	30.9484	5.44126	67.948	12.39295	2.36E+00	5.81E+01	7.51E+00	7.09E-01	6.86E+01	2.29E+00	2.45E-04	7.51E-01	1.39E-01	3.18E+00	2.57E+00	5.81E+01	7.51E+00	7.09E-01	6.89E+01
1175	487447.18	3856537.45	34.1734	5.55529	63.997	13.93684	2.60E+00	5.93E+01	7.08E+00	7.97E-01	6.98E+01	2.53E+00	2.50E-04	7.08E-01	1.56E-01	3.39E+00	2.84E+00	5.93E+01	7.08E+00	7.97E-01	7.00E+01
1176	487497.18	3856537.45	33.1178	5.55932	67.059	13.47164	2.52E+00	5.93E+01	7.41E+00	7.70E-01	7.00E+01	2.45E+00	2.51E-04	7.41E-01	1.51E-01	3.34E+00	2.75E+00	5.93E+01	7.41E+00	7.70E-01	7.03E+01
1177	487547.18	3856537.45	32.1137	5.56435	68.985	12.9177	2.45E+00	5.94E+01	7.63E+00	7.39E-01	7.02E+01	2.38E+00	2.51E-04	7.63E-01	1.45E-01	3.29E+00	2.67E+00	5.94E+01	7.63E+00	7.39E-01	7.04E+01
1178	489285.89	3858826.54	32.4493	14.3149	58.718	7.16749	2.47E+00	1.53E+02	6.49E+00	4.10E-01	1.62E+02	2.40E+00	6.45E-04	6.49E-01	8.02E-02	3.13E+00	2.69E+00	1.53E+02	6.49E+00	4.10E-01	1.62E+02
1179	489335.89	3858826.54	32.118	14.1142	58.012	7.09554	2.45E+00	1.51E+02	6.41E+00	4.06E-01	1.60E+02	2.38E+00	6.36E-04	6.41E-01	7.94E-02	3.10E+00	2.67E+00	1.51E+02	6.41E+00	4.06E-01	1.60E+02
1180	489385.89	3858826.54	31.3849	13.8585	56.071	6.85397	2.39E+00	1.48E+02	6.20E+00	3.92E-01	1.57E+02	2.32E+00	6.25E-04	6.20E-01	7.67E-02	3.02E+00	2.61E+00	1.48E+02	6.20E+00	3.92E-01	1.57E+02
1181	489435.89	3858826.54	31.1056	13.6484	57.653	6.69284	2.37E+00	1.46E+02	6.37E+00	3.83E-01	1.55E+02	2.30E+00	6.15E-04	6.37E-01	7.49E-02	3.02E+00	2.58E+00	1.46E+02	6.37E+00	3.83E-01	1.55E+02
1182	489485.89	3858826.54	30.5601	13.4573	58.276	6.62788	2.33E+00	1.44E+02	6.44E+00	3.79E-01	1.53E+02	2.26E+00	6.07E-04	6.44E-01	7.42E-02	2.98E+00	2.54E+00	1.44E+02	6.44E+00	3.79E-01	1.53E+02
1183	489535.89	3858826.54	29.6795	13.2619	58.026	6.64765	2.26E+00	1.42E+02	6.42E+00	3.80E-01	1.51E+02	2.20E+00	5.98E-04	6.42E-01	7.44E-02	2.91E+00	2.46E+00	1.42E+02	6.42E+00	3.80E-01	1.51E+02
1184	489585.89	3858826.54	28.5033	13.0801	57.005	6.94709	2.17E+00	1.40E+02	6.30E+00	3.97E-01	1.48E+02	2.11E+00	5.90E-04	6.30E-01	7.78E-02	2.82E+00	2.37E+00	1.40E+02	6.30E+00	3.97E-01	1.49E+02
1185	489635.89	3858826.54	28.4224	12.8784	55.331	7.15935	2.17E+00	1.37E+02	6.12E+00	4.09E-01	1.46E+02	2.10E+00	5.81E-04	6.12E-01	8.01E-02	2.80E+00	2.36E+00	1.37E+02	6.12E+00	4.09E-01	1.46E+02
1186	489685.89	3858826.54	28.3244	12.6715	53.13	7.25509	2.16E+00	1.35E+02	5.87E+00	4.15E-01	1.44E+02	2.10E+00	5.71E-04	5.87E-01	8.12E-02	2.77E+00	2.35E+00	1.35E+02	5.87E+00	4.15E-01	1.44E+02
1187	489735.89	3858826.54	27.9432	12.468	50.538	7.25184	2.13E+00	1.33E+02	5.59E+00	4.15E-01	1.41E+02	2.07E+00	5.62E-04	5.59E-01	8.12E-02	2.71E+00	2.32E+00	1.33E+02	5.59E+00	4.15E-01	1.41E+02
1188	489785.89	3858826.54	27.3964	12.3082	47.691	7.13498	2.09E+00	1.31E+02	5.27E+00	4.08E-01	1.39E+02	2.03E+00	5.55E-04	5.27E-01	7.99E-02	2.64E+00	2.27E+00	1.31E+02	5.27E+00	4.08E-01	1.39E+02
1189	489835.89	3858826.54	27.2142	12.0982	44.674	6.92352	2.07E+00	1.29E+02	4.94E+00	3.96E-01	1.37E+02	2.01E+00	5.45E-04	4.94E-01	7.75E-02	2.59E+00	2.26E+00	1.29E+02	4.94E+00	3.96E-01	1.37E+02
1190	489885.89	3858826.54	26.8002	11.954	41.604	6.55203	2.04E+00	1.28E+02	4.60E+00	3.75E-01	1.35E+02	1.98E+00	5.39E-04	4.60E-01	7.33E-02	2.52E+00	2.22E+00	1.28E+02	4.60E+00	3.75E-01	1.35E+02
1191	489935.89	3858826.54	26.2051	11.7965	41.336	6.07028	2.00E+00	1.26E+02	4.57E+00	3.47E-01	1.33E+02	1.94E+00	5.32E-04	4.57E-01	6.80E-02	2.47E+00	2.18E+00	1.26E+02	4.57E+00	3.47E-01	1.33E+02
1192	489985.89	3858826.54	25.8164	11.6238	40.846	5.50548	1.97E+00	1.24E+02	4.52E+00	3.15E-01	1.31E+02	1.91E+00	5.24E-04	4.52E-01	6.16E-02	2.43E+00	2.14E+00	1.24E+02	4.52E+00	3.15E-01	1.31E+02
1193	490035.89	3858826.54	26.2476	11.3878	39.932	5.14697	2.00E+00	1.22E+02	4.41E+00	2.94E-01	1.28E+02	1.94E+00	5.13E-04	4.41E-01	5.76E-02	2.44E+00	2.18E+00	1.22E+02	4.41E+00	2.94E-01	1.28E+02
1194	489285.89	3858876.54	31.3839	15.4569	57.658	7.28472	2.39E+00	1.65E+02	6.37E+00	4.17E-01	1.74E+02	2.32E+00	6.97E-04	6.37E-01	8.15E-02	3.04E+00	2.61E+00	1.65E+02	6.37E+00	4.17E-01	1.74E+02
1195	489335.89	3858876.54	31.6932	15.1603	55.971	6.9899	2.42E+00	1.62E+02	6.19E+00	4.00E-01	1.71E+02	2.35E+00	6.83E-04	6.19E-01	7.82E-02	3.04E+00	2.63E+00	1.62E+02	6.19E+00	4.00E-01	1.71E+02
1196	489385.89	3858876.54	31.5363	14.8888	55.31	7.06051	2.40E+00	1.59E+02	6.12E+00	4.04E-01	1.68E+02	2.33E+00	6.71E-04	6.12E-01	7.90E-02	3.03E+00	2.62E+00	1.59E+02	6.12E+00	4.04E-01	1.68E+02
1197	489435.89	3858876.54	30.9404	14.6138	55.02	6.937	2.36E+00	1.56E+02	6.08E+00	3.97E-01	1.65E+02	2.29E+00	6.59E-04	6.08E-01	7.77E-02	2.98E+00	2.57E+00	1.56E+02	6.08E+00	3.97E-01	1.65E+02
1198	489485.89	3858876.54	30.4627	14.3427	56.984	6.6955	2.32E+00	1.53E+02	6.30E+00	3.83E-01	1.62E+02	2.26E+00	6.47E-04	6.30E-01	7.50E-02	2.96E+00	2.53E+00	1.53E+02	6.30E+00	3.83E-01	1.62E+02
1199	489535.89	3858876.54	30.0898	14.0688	58.065	7.02173	2.29E+00	1.50E+02	6.42E+00	4.02E-01	1.59E+02	2.23E+00	6.34E-04	6.42E-01	7.86E-02	2.95E+00	2.50E+00	1.50E+02	6.42E+00	4.02E-01	1.59E+02
1200	489585.89	3858876.54	29.3914	13.7622	58.306	7.26392	2.24E+00	1.47E+02	6.45E+00	4.15E-01	1.56E+02	2.18E+00	6.20E-04	6.45E-01	8.13E-02	2.90E+00	2.44E+00	1.47E+02	6.45E+00	4.15E-01	1.56E+02
1201	489635.89	3858876.54	28.365	13.5282	57.747	7.36386	2.16E+00	1.44E+02	6.38E+00	4.21E-01	1.53E+02	2.10E+00	6.10E-04	6.38E-01	8.24E-02	2.82E+00	2.35E+00	1.44E+02	6.38E+00	4.21E-01	1.54E+02
1202	489685.89	3858876.54	27.717	13.2691	56.516	7.37081	2.11E+00	1.42E+02	6.25E+00	4.21E-01	1.50E+02	2.05E+00	5.98E-04	6.25E-01	8.25E-02	2.76E+00	2.30E+00	1.42E+02	6.25E+00	4.21E-01	1.51E+02
1203	489735.89	3858876.54	27.7766	12.9927	54.712	7.28266	2.12E+00	1.39E+02	6.05E+00	4.16E-01	1.47E+02	2.06E+00	5.86E-04	6.05E-01	8.15E-02	2.74E+00	2.31E+00	1.39E+02	6.05E+00	4.16E-01	1.47E+02
1204	489785.89	3858876.54	27.526	12.7833	52.475	7.06035	2.10E+00	1.36E+02	5.80E+00	4.04E-01	1.45E+02	2.04E+00	5.76E-04	5.80E-01	7.90E-02	2.70E+00	2.29E+00	1.36E+02	5.80E+00	4.04E-01	1.45E+02
1205	489835.89	3858876.54	27.0351	12.534	49.899	6.7073	2.06E+00	1.34E+02	5.52E+00	3.84E-01	1.42E+02	2.00E+00	5.65E-04	5.52E-01	7.51E-02	2.63E+00	2.24E+00	1.34E+02	5.52E+00	3.84E-01	1.42E+02
1206	489885.89	3858876.54	26.6845	12.38	47.123	6.2095	2.03E+00	1.32E+02	5.21E+00	3.55E-01	1.40E+02	1.98E+00	5.58E-04	5.21E-01	6.95E-02	2.57E+00	2.22E+00	1.32E+02	5.21E+00	3.55E-01	1.40E+02
1207	489935.89	3858876.54	26.4262	12.1265	44.189	5.64513	2.01E+00	1.29E+02	4.89E+00	3.23E-01	1.37E+02	1.96E+00	5.47E-04	4.89E-01	6.32E-02	2.51E+00	2.19E+00	1.29E+02	4.89E+00	3.23E-01	1.37E+02
1208	489985.89	3858876.54	25.9782	11.866	42.153	5.09695	1.98E+00	1.27E+02	4.66E+00	2.91E-01	1.34E+02	1.92E+00	5.35E-04	4.66E-01	5.71E-02	2.45E+00	2.16E+00	1.27E+02	4.66E+00	2.91E-01	1.34E+02
1209	490035.89	3858876.54	25.3787	11.6527	41.323	4.96081	1.93E+00	1.24E+02	4.57E+00	2.84E-01	1.31E+02	1.88E+00	5.25E-04	4.57E-01	5.55E-02	2.39E+00	2.11E+00	1.24E+02	4.57E+00	2.84E-01	1.31E+02
1210	489285.89	3858926.54	31.1731	16.4049	57.585	7.57906	2.38E+00	1.75E+02	6.37E+00	4.33E-01	1.84E+02	2.31E+00	7.40E-04	6.37E-01	8.48E-02	3.03E+00	2.59E+00	1.75E+02	6.37E+00	4.33E-01	1.84E+02
1211	489335.89	3858926.54	30.4487	15.9963	56.791	7.38152	2.32E+00	1.71E+02	6.28E+00	4.22E-01	1.80E+02	2.25E+00	7.21E-04	6.28E-01	8.26E-02	2.97E+00	2.53E+00	1.71E+02	6.28E+00	4.22E-01	1.80E+02
1212	489385.89	3858926.54	30.9142	15.5698	55.379	6.89774	2.36E+00	1.66E+02	6.12E+00	3.94E-01	1.75E+02	2.29E+00	7.02E-04	6.12E-01	7.72E-02	2.98E+00	2.57E+00	1.66E+02	6.12E+00	3.94E-01	1.75E+02
1213	489435.89	3858926.54	30.9038	15.2207	53.421	6.74666	2.36E+00	1.62E+02	5.91E+00	3.86E-01	1.71E+02	2.29E+00	6.86E-04	5.91E-01	7.55E-02	2.95E+00	2.57E+00	1.62E+02	5.91E+00	3.86E-01	1.71E+02
1214	489485.89	3858926.54	30.4786	14.8884	53.629	7.09366	2.32E+00	1.59E+02	5.93E+00	4.06E-01	1.68E+02	2.26E+00	6.71E-04	5.93E-01	7.94E-02	2.93E+00	2.53E+00	1.59E+02	5.93E+00	4.06E-01	1.68E+02
1215	489535.89	3858926.54	29.8056	14.5722	55.917	7.34319	2.27E+00	1.56E+02	6.18E+00	4.20E-01	1.64E+02	2.21E+00	6.57E-04	6.18E-01	8.22E-02	2.91E+00	2.47E+00	1.56E+02	6.18E+00	4.20E-01	1.65E+02
1216	489585.89	3858926.54	29.5904	14.2604	57.388	7.46883	2.26E+00	1.52E+02	6.34E+00	4.27E-01	1.61E+02	2.19E+00	6.43E-04	6.34E-01	8.36E-02	2.91E+00	2.46E+00	1.52E+02	6.34E+00	4.27E-01	1.61E+02

1217	489635.89	3858926.54	29.0251	13.9692	58.041	7.48545	2.21E+00	1.49E+02	6.42E+00	4.28E-01	1.58E+02	2.15E+00	6.30E-04	6.42E-01	8.38E-02	2.87E+00	2.41E+00	1.49E+02	6.42E+00	4.28E-01	1.58E+02
1218	489685.89	3858926.54	28.1729	13.6577	57.949	7.40902	2.15E+00	1.46E+02	6.41E+00	4.24E-01	1.55E+02	2.09E+00	6.16E-04	6.41E-01	8.29E-02	2.81E+00	2.34E+00	1.46E+02	6.41E+00	4.24E-01	1.55E+02
1219	489735.89	3858926.54	27.034	13.4202	57.154	7.1931	2.06E+00	1.43E+02	6.32E+00	4.11E-01	1.52E+02	2.00E+00	6.05E-04	6.32E-01	8.05E-02	2.71E+00	2.24E+00	1.43E+02	6.32E+00	4.11E-01	1.52E+02
1220	489785.89	3858926.54	27.1249	13.1995	55.776	6.82937	2.07E+00	1.41E+02	6.17E+00	3.91E-01	1.49E+02	2.01E+00	5.95E-04	6.17E-01	7.65E-02	2.70E+00	2.25E+00	1.41E+02	6.17E+00	3.91E-01	1.50E+02
1221	489835.89	3858926.54	27.043	12.928	53.906	6.36066	2.06E+00	1.38E+02	5.96E+00	3.64E-01	1.46E+02	2.00E+00	5.83E-04	5.96E-01	7.12E-02	2.67E+00	2.25E+00	1.38E+02	5.96E+00	3.64E-01	1.47E+02
1222	489885.89	3858926.54	26.677	12.7176	51.664	5.77314	2.03E+00	1.36E+02	5.71E+00	3.30E-01	1.44E+02	1.97E+00	5.73E-04	5.71E-01	6.46E-02	2.61E+00	2.21E+00	1.36E+02	5.71E+00	3.30E-01	1.44E+02
1223	489935.89	3858926.54	26.1335	12.4819	49.13	5.28965	1.99E+00	1.33E+02	5.43E+00	3.02E-01	1.41E+02	1.93E+00	5.63E-04	5.43E-01	5.92E-02	2.54E+00	2.17E+00	1.33E+02	5.43E+00	3.02E-01	1.41E+02
1224	489985.89	3858926.54	26.0087	12.2059	46.393	5.16414	1.98E+00	1.30E+02	5.13E+00	2.95E-01	1.38E+02	1.93E+00	5.50E-04	5.13E-01	5.78E-02	2.50E+00	2.16E+00	1.30E+02	5.13E+00	2.95E-01	1.38E+02
1225	490035.89	3858926.54	25.7138	11.8648	43.559	5.14426	1.96E+00	1.27E+02	4.82E+00	2.94E-01	1.34E+02	1.90E+00	5.35E-04	4.82E-01	5.76E-02	2.44E+00	2.13E+00	1.27E+02	4.82E+00	2.94E-01	1.34E+02
1226	489335.89	3858976.54	30.6726	16.5735	56.383	6.39862	2.34E+00	1.77E+02	6.23E+00	3.66E-01	1.86E+02	2.27E+00	7.47E-04	6.23E-01	7.16E-02	2.97E+00	2.55E+00	1.77E+02	6.23E+00	3.66E-01	1.86E+02
1227	489385.89	3858976.54	29.6738	16.0886	55.82	6.78908	2.26E+00	1.72E+02	6.17E+00	3.88E-01	1.81E+02	2.20E+00	7.25E-04	6.17E-01	7.60E-02	2.89E+00	2.46E+00	1.72E+02	6.17E+00	3.88E-01	1.81E+02
1228	489435.89	3858976.54	30.0865	15.7346	54.6	7.14759	2.29E+00	1.68E+02	6.04E+00	4.09E-01	1.77E+02	2.23E+00	7.09E-04	6.04E-01	8.00E-02	2.91E+00	2.50E+00	1.68E+02	6.04E+00	4.09E-01	1.77E+02
1229	489485.89	3858976.54	30.2376	15.3251	52.957	7.42447	2.30E+00	1.64E+02	5.85E+00	4.25E-01	1.72E+02	2.24E+00	6.91E-04	5.85E-01	8.31E-02	2.91E+00	2.51E+00	1.64E+02	5.85E+00	4.25E-01	1.72E+02
1230	489535.89	3858976.54	29.9834	14.923	51.978	7.57152	2.29E+00	1.59E+02	5.75E+00	4.33E-01	1.68E+02	2.22E+00	6.73E-04	5.75E-01	8.48E-02	2.88E+00	2.49E+00	1.59E+02	5.75E+00	4.33E-01	1.68E+02
1231	489585.89	3858976.54	29.3048	14.6096	54.499	7.58714	2.23E+00	1.56E+02	6.03E+00	4.34E-01	1.65E+02	2.17E+00	6.59E-04	6.03E-01	8.49E-02	2.86E+00	2.43E+00	1.56E+02	6.03E+00	4.34E-01	1.65E+02
1232	489635.89	3858976.54	29.0305	14.2705	56.304	7.51195	2.21E+00	1.52E+02	6.23E+00	4.30E-01	1.61E+02	2.15E+00	6.43E-04	6.23E-01	8.41E-02	2.86E+00	2.41E+00	1.52E+02	6.23E+00	4.30E-01	1.61E+02
1233	489685.89	3858976.54	28.6325	13.9292	57.359	7.32291	2.18E+00	1.49E+02	6.34E+00	4.19E-01	1.58E+02	2.12E+00	6.28E-04	6.34E-01	8.20E-02	2.84E+00	2.38E+00	1.49E+02	6.34E+00	4.19E-01	1.58E+02
1234	489735.89	3858976.54	27.9066	13.6475	57.668	6.97362	2.13E+00	1.46E+02	6.38E+00	3.99E-01	1.55E+02	2.07E+00	6.15E-04	6.38E-01	7.81E-02	2.78E+00	2.32E+00	1.46E+02	6.38E+00	3.99E-01	1.55E+02
1235	489785.89	3858976.54	26.8953	13.4168	57.293	6.48495	2.05E+00	1.43E+02	6.33E+00	3.71E-01	1.52E+02	1.99E+00	6.05E-04	6.33E-01	7.26E-02	2.70E+00	2.23E+00	1.43E+02	6.33E+00	3.71E-01	1.52E+02
1236	489835.89	3858976.54	26.4398	13.1712	56.335	5.89326	2.02E+00	1.41E+02	6.23E+00	3.37E-01	1.49E+02	1.96E+00	5.94E-04	6.23E-01	6.60E-02	2.65E+00	2.20E+00	1.41E+02	6.23E+00	3.37E-01	1.49E+02
1237	489885.89	3858976.54	26.5181	12.8399	54.86	5.2748	2.02E+00	1.37E+02	6.07E+00	3.02E-01	1.45E+02	1.96E+00	5.79E-04	6.07E-01	5.90E-02	2.63E+00	2.20E+00	1.37E+02	6.07E+00	3.02E-01	1.46E+02
1238	489935.89	3858976.54	26.3161	12.556	52.946	5.16975	2.01E+00	1.34E+02	5.85E+00	2.96E-01	1.42E+02	1.95E+00	5.66E-04	5.85E-01	5.79E-02	2.59E+00	2.18E+00	1.34E+02	5.85E+00	2.96E-01	1.42E+02
1239	489985.89	3858976.54	25.8701	12.2964	50.706	5.23435	1.97E+00	1.31E+02	5.61E+00	2.99E-01	1.39E+02	1.92E+00	5.54E-04	5.61E-01	5.86E-02	2.54E+00	2.15E+00	1.31E+02	5.61E+00	2.99E-01	1.39E+02
1240	490035.89	3858976.54	25.6657	11.6515	48.146	5.49566	1.96E+00	1.24E+02	5.32E+00	3.14E-01	1.32E+02	1.90E+00	5.25E-04	5.32E-01	6.15E-02	2.49E+00	2.13E+00	1.24E+02	5.32E+00	3.14E-01	1.32E+02
1241	489385.89	3859026.54	30.1649	16.3158	55.132	7.21788	2.30E+00	1.74E+02	6.10E+00	4.13E-01	1.83E+02	2.23E+00	7.35E-04	6.10E-01	8.08E-02	2.92E+00	2.50E+00	1.74E+02	6.10E+00	4.13E-01	1.83E+02
1242	489435.89	3859026.54	29.2787	15.8223	54.758	7.51051	2.23E+00	1.69E+02	6.05E+00	4.29E-01	1.78E+02	2.17E+00	7.13E-04	6.05E-01	8.41E-02	2.86E+00	2.43E+00	1.69E+02	6.05E+00	4.29E-01	1.78E+02
1243	489485.89	3859026.54	29.3019	15.4159	53.839	7.66262	2.23E+00	1.65E+02	5.95E+00	4.38E-01	1.73E+02	2.17E+00	6.95E-04	5.95E-01	8.58E-02	2.85E+00	2.43E+00	1.65E+02	5.95E+00	4.38E-01	1.73E+02
1244	489535.89	3859026.54	29.5694	15.0684	52.416	7.69097	2.25E+00	1.61E+02	5.80E+00	4.40E-01	1.69E+02	2.19E+00	6.79E-04	5.80E-01	8.61E-02	2.86E+00	2.45E+00	1.61E+02	5.80E+00	4.40E-01	1.69E+02
1245	489585.89	3859026.54	29.4503	14.6832	50.623	7.62982	2.24E+00	1.57E+02	5.60E+00	4.36E-01	1.65E+02	2.18E+00	6.62E-04	5.60E-01	8.54E-02	2.83E+00	2.44E+00	1.57E+02	5.60E+00	4.36E-01	1.65E+02
1246	489635.89	3859026.54	28.9312	14.3836	52.863	7.43663	2.21E+00	1.53E+02	5.84E+00	4.25E-01	1.62E+02	2.14E+00	6.48E-04	5.84E-01	8.32E-02	2.81E+00	2.40E+00	1.53E+02	5.84E+00	4.25E-01	1.62E+02
1247	489685.89	3859026.54	28.4595	14.0865	54.93	7.1017	2.17E+00	1.50E+02	6.07E+00	4.06E-01	1.59E+02	2.11E+00	6.35E-04	6.07E-01	7.95E-02	2.79E+00	2.36E+00	1.50E+02	6.07E+00	4.06E-01	1.59E+02
1248	489735.89	3859026.54	28.1598	13.8505	56.281	6.62416	2.15E+00	1.48E+02	6.22E+00	3.79E-01	1.57E+02	2.08E+00	6.24E-04	6.22E-01	7.42E-02	2.78E+00	2.34E+00	1.48E+02	6.22E+00	3.79E-01	1.57E+02
1249	489785.89	3859026.54	27.5605	13.6151	56.958	6.02749	2.10E+00	1.45E+02	6.30E+00	3.45E-01	1.54E+02	2.04E+00	6.14E-04	6.30E-01	6.75E-02	2.74E+00	2.29E+00	1.45E+02	6.30E+00	3.45E-01	1.54E+02
1250	489835.89	3859026.54	26.7392	13.2707	57.034	5.35702	2.04E+00	1.42E+02	6.31E+00	3.06E-01	1.50E+02	1.98E+00	5.98E-04	6.31E-01	6.00E-02	2.67E+00	2.22E+00	1.42E+02	6.31E+00	3.06E-01	1.50E+02
1251	489885.89	3859026.54	25.7784	12.9922	56.474	5.23486	1.96E+00	1.39E+02	6.24E+00	2.99E-01	1.47E+02	1.91E+00	5.86E-04	6.24E-01	5.86E-02	2.59E+00	2.14E+00	1.39E+02	6.24E+00	2.99E-01	1.47E+02
1252	489935.89	3859026.54	25.9694	12.6824	55.365	5.3949	1.98E+00	1.35E+02	6.12E+00	3.08E-01	1.44E+02	1.92E+00	5.72E-04	6.12E-01	6.04E-02	2.60E+00	2.16E+00	1.35E+02	6.12E+00	3.08E-01	1.44E+02
1253	489985.89	3859026.54	25.9065	12.3814	53.8	5.51983	1.97E+00	1.32E+02	5.95E+00	3.16E-01	1.40E+02	1.92E+00	5.58E-04	5.95E-01	6.18E-02	2.58E+00	2.15E+00	1.32E+02	5.95E+00	3.16E-01	1.41E+02
1254	490035.89	3859026.54	25.7734	11.4758	51.788	5.77891	1.96E+00	1.22E+02	5.73E+00	3.30E-01	1.30E+02	1.91E+00	5.17E-04	5.73E-01	6.47E-02	2.55E+00	2.14E+00	1.22E+02	5.73E+00	3.30E-01	1.31E+02
1255	489485.89	3859076.54	28.8851	16.4724	53.707	7.78468	2.20E+00	1.76E+02	5.94E+00	4.45E-01	1.84E+02	2.14E+00	7.43E-04	5.94E-01	8.71E-02	2.82E+00	2.40E+00	1.76E+02	5.94E+00	4.45E-01	1.85E+02
1256	489535.89	3859076.54	28.5018	16.0028	52.996	7.7258	2.17E+00	1.71E+02	5.86E+00	4.42E-01	1.79E+02	2.11E+00	7.21E-04	5.86E-01	8.65E-02	2.78E+00	2.37E+00	1.71E+02	5.86E+00	4.42E-01	1.79E+02
1257	489585.89	3859076.54	28.8984	15.5582	51.814	7.55481	2.20E+00	1.66E+02	5.73E+00	4.32E-01	1.74E+02	2.14E+00	7.01E-04	5.73E-01	8.46E-02	2.80E+00	2.40E+00	1.66E+02	5.73E+00	4.32E-01	1.75E+02
1258	489635.89	3859076.54	28.8721	15.2013	50.184	7.22328	2.20E+00	1.62E+02	5.55E+00	4.13E-01	1.70E+02	2.14E+00	6.85E-04	5.55E-01	8.09E-02	2.77E+00	2.40E+00	1.62E+02	5.55E+00	4.13E-01	1.71E+02
1259	489685.89	3859076.54	28.4801	14.8456	50.988	6.75932	2.17E+00	1.58E+02	5.64E+00	3.87E-01	1.67E+02	2.11E+00	6.69E-04	5.64E-01	7.57E-02	2.75E+00	2.36E+00	1.58E+02	5.64E+00	3.87E-01	1.67E+02
1260	489735.89	3859076.54	27.8074	14.4973	53.265	6.16319	2.12E+00	1.55E+02	5.89E+00	3.52E-01	1.63E+02	2.06E+00	6.54E-04	5.89E-01	6.90E-02	2.72E+00	2.31E+00	1.55E+02	5.89E+00	3.52E-01	1.63E+02
1261	489785.89	3859076.54	27.6554	14.158	54.92	5.4572	2.11E+00	1.51E+02	6.07E+00	3.12E-01	1.60E+02	2.05E+00	6.38E-04	6.07E-01	6.11E-02	2.72E+00	2.30E+00	1.51E+02	6.07E+00	3.12E-01	1.60E+02
1262	489835.89	3859076.54	27.2267	13.7932	55.978	5.38512	2.08E+00	1.47E+02	6.19E+00	3.08E-01	1.56E+02	2.02E+00	6.22E-04	6.19E-01	6.03E-02	2.70E+00	2.26E+00	1.47E+02	6.19E+00	3.08E-01	1.56E+02
1263	489885.89	3859076.54	26.531	13.4327	56.408	5.54879	2.02E+00	1.43E+02	6.24E+00	3.17E-01	1.52E+02	1.96E+00	6.06E-04	6.24E-01	6.21E-02	2.65E+00	2.20E+00	1.43E+02	6.24E+00	3.17E-01	1.52E+02
1264	489935.89	3859076.54	25.5835	13.1069	56.226	5.66146	1.95E+00	1.40E+02	6.22E+00	3.24E-01	1.48E+02	1.89E+00	5.91E-04	6.22E-01	6.34E-02	2.58E+00	2.12E+00	1.40E+02	6.22E+00	3.24E-01	1.49E+02
1265	489985.89	3859076.54	25.3765	12.7355	55.483	5.76324	1.93E+00	1.36E+02	6.13E+00	3.30E-01	1.44E+02	1.88E+00	5.74E-04	6.13E-01	6.45E-02	2.56E+00	2.11E+00	1.36E+02	6.13E+00	3.30E-01	1.44E+02
1266	490035.89	3859076.54	25.5892	12.0633	54.2	5.95409	1.95E+00	1.29E+02	5.99E+00	3.40E-01	1.37E+02	1.89E+00	5.44E-04	5.99E-01	6.67E-02	2.56E+00	2.12E+00	1.29E+02	5.99E+00	3.40E-01	1.37E+02
1267	489585.89	3859126.54	27.6802	16.2524	52.076	7.34776	2.11E+00	1.73E+02	5.76E+00	4.20E-01	1.82E+02	2.05E+00	7.33E-04	5.76E-01	8.23E-02	2.71E+00	2.30E+00	1.73E+02	5.76E+00	4.20E-01	1.82E+02
1268	489635.89	3859126.54	28.1497	15.917	51.041	6.8966	2.15E+00	1.70E+02	5.64E+00	3.94E-01	1.78E+02	2.08E+00	7.18E-04	5.64E-01	7.72E-02	2.73E+00	2.34E+00	1.70E+02	5.64E+00	3.94E-01	1.78E+02
1269	489685.89	3859126.54	28.2597	15.5659	49.645	6.30223	2.15E+00	1.66E+02	5.49E+00	3.60E-01	1.74E+02	2.09E+00	7.02E-04	5.49E-01	7.05E-02	2.71E+00	2.35E+00	1.66E+02	5.49E+00	3.60E-01	1.74E+02
1270	489735.89	3859126.54	28.0095	15.2267	49.014	5.57805	2.13E+00	1.62E+02	5.42E+00	3.19E-01	1.70E+02	2.07E+00	6.86E-04	5.42E-01	6.24E-02	2.68E+00	2.33E+00	1.62E+02	5.42E+00	3.19E-01	1.71E+02
1271	489785.89	3859126.54	27.4248	14.9026	51.467	5.56893	2.09E+00	1.59E+02	5.69E+00	3.18E-01	1.67E+02	2.03E+00	6.72E-04	5.69E-01	6.23E-02	2.66E+00	2.28E+00	1.59E+02	5.69E+00	3.18E-01	1.67E+02
1272	489835.89	3859126.54	27.1572	14.5526	53.4	5.72592	2.07E+00	1.55E+02	5.90E+00	3.27E-01	1.64E+02	2.01E+00	6.56E-04	5.90E-01	6.41E-02	2.67E+00	2.25E+00	1.55E+02	5.90E+00	3.27E-01	1.64E+02
1273	489885.89	3859126.54	26.8692	14.1852	54.758	5.84155	2.05E+00	1.51E+02	6.05E+00	3.34E-01	1.60E+02	1.99E+00	6.39E-04	6.05E-01	6.54E-02	2.66E+00	2.23E+00	1.51E+02	6.05E+00	3.34E-01	1.60E+02
1274	489935.89	3859126.54	26.2815	13.8732	55.493	5.90112	2.00E+00	1.48E+02	6.14E+00	3.37E-01	1.57E+02	1.95E+00	6.25E-04	6.14E-01	6.61E-02	2.63E+00	2.18E+00	1.48E+02	6.14E+00	3.37E-01	1.57E+02
1275	489985.89	3859126.54	25.5325	13.4051	55.62	5.9903	1.95E+00	1.43E+02	6.15E+00	3.43E-01	1.51E+02	1.89E+00	6.04E-04	6.15E-01	6.71E-02	2.57E+00	2.12E+00	1.43E+02	6.15E+00	3.43E-01	1.52E+02
1276	490035.89	3859126.54	24.8639	12.9203	55.194	6.09357	1.90E+00	1.38E+02	6.10E+00	3.48E-01	1.46E+02	1.84E+00	5.82E-04	6.10E-01	6.82E-02	2.52E+00	2.06E+00	1.38E+02	6.10E+00	3.48E-01	1.46E+02
1277	489585.89	3859176.54	28.0597	16.5323	51.53	7.05058	2.14E+00	1.76E+02	5.70E+00	4.03E-01	1.85E+02	2.08E+00	7.45E-04	5.70E-01	7.89E-02	2.73E+00	2.33E+00	1.76E+02	5.70E+00	4.03E-01	1.85E+02

1278	489635.89	3859176.54	27.1686	16.2259	51.106	6.44923	2.07E+00	1.73E+02	5.65E+00	3.69E-01	1.81E+02	2.01E+00	7.31E-04	5.65E-01	7.22E-02	2.65E+00	2.26E+00	1.73E+02	5.65E+00	3.69E-01	1.81E+02
1279	489685.89	3859176.54	27.4096	15.9392	50.241	5.69446	2.09E+00	1.70E+02	5.55E+00	3.26E-01	1.78E+02	2.03E+00	7.19E-04	5.55E-01	6.37E-02	2.65E+00	2.28E+00	1.70E+02	5.55E+00	3.26E-01	1.78E+02
1280	489735.89	3859176.54	27.6181	15.6467	49.015	5.77603	2.11E+00	1.67E+02	5.42E+00	3.30E-01	1.75E+02	2.04E+00	7.05E-04	5.42E-01	6.47E-02	2.65E+00	2.29E+00	1.67E+02	5.42E+00	3.30E-01	1.75E+02
1281	489785.89	3859176.54	27.5202	15.2953	47.539	5.92033	2.10E+00	1.63E+02	5.26E+00	3.39E-01	1.71E+02	2.04E+00	6.89E-04	5.26E-01	6.63E-02	2.63E+00	2.28E+00	1.63E+02	5.26E+00	3.39E-01	1.71E+02
1282	489835.89	3859176.54	27.0783	14.9732	49.595	5.99661	2.06E+00	1.60E+02	5.48E+00	3.43E-01	1.68E+02	2.00E+00	6.75E-04	5.48E-01	6.71E-02	2.62E+00	2.25E+00	1.60E+02	5.48E+00	3.43E-01	1.68E+02
1283	489885.89	3859176.54	26.6379	14.6282	51.737	6.04243	2.03E+00	1.56E+02	5.72E+00	3.46E-01	1.64E+02	1.97E+00	6.59E-04	5.72E-01	6.76E-02	2.61E+00	2.21E+00	1.56E+02	5.72E+00	3.46E-01	1.64E+02
1284	489935.89	3859176.54	26.4426	14.335	53.305	6.04408	2.02E+00	1.53E+02	5.89E+00	3.46E-01	1.61E+02	1.96E+00	6.46E-04	5.89E-01	6.77E-02	2.62E+00	2.20E+00	1.53E+02	5.89E+00	3.46E-01	1.61E+02
1285	489985.89	3859176.54	26.0637	13.8802	54.331	6.19643	1.99E+00	1.48E+02	6.01E+00	3.54E-01	1.56E+02	1.93E+00	6.26E-04	6.01E-01	6.94E-02	2.60E+00	2.16E+00	1.48E+02	6.01E+00	3.54E-01	1.57E+02
1286	490035.89	3859176.54	25.3545	13.607	54.779	6.2931	1.93E+00	1.45E+02	6.06E+00	3.60E-01	1.54E+02	1.88E+00	6.13E-04	6.06E-01	7.04E-02	2.55E+00	2.10E+00	1.45E+02	6.06E+00	3.60E-01	1.54E+02
1287	489685.89	3859226.54	26.8273	16.1779	50.123	6.03226	2.04E+00	1.73E+02	5.54E+00	3.45E-01	1.81E+02	1.99E+00	7.29E-04	5.54E-01	6.75E-02	2.61E+00	2.23E+00	1.73E+02	5.54E+00	3.45E-01	1.81E+02
1288	489735.89	3859226.54	26.6648	15.9726	49.404	6.10846	2.03E+00	1.70E+02	5.46E+00	3.49E-01	1.78E+02	1.97E+00	7.20E-04	5.46E-01	6.84E-02	2.59E+00	2.21E+00	1.70E+02	5.46E+00	3.49E-01	1.78E+02
1289	489785.89	3859226.54	27.0056	15.6373	48.398	6.14208	2.06E+00	1.67E+02	5.35E+00	3.51E-01	1.75E+02	2.00E+00	7.05E-04	5.35E-01	6.88E-02	2.60E+00	2.24E+00	1.67E+02	5.35E+00	3.51E-01	1.75E+02
1290	489835.89	3859226.54	27.0359	15.2281	47.128	6.15441	2.06E+00	1.63E+02	5.21E+00	3.52E-01	1.70E+02	2.00E+00	6.86E-04	5.21E-01	6.89E-02	2.59E+00	2.24E+00	1.63E+02	5.21E+00	3.52E-01	1.70E+02
1291	489885.89	3859226.54	26.7222	14.8828	47.692	6.22799	2.04E+00	1.59E+02	5.27E+00	3.56E-01	1.66E+02	1.98E+00	6.71E-04	5.27E-01	6.97E-02	2.58E+00	2.22E+00	1.59E+02	5.27E+00	3.56E-01	1.67E+02
1292	489935.89	3859226.54	26.121	14.5198	49.965	6.34334	1.99E+00	1.55E+02	5.52E+00	3.63E-01	1.63E+02	1.93E+00	6.55E-04	5.52E-01	7.10E-02	2.56E+00	2.17E+00	1.55E+02	5.52E+00	3.63E-01	1.63E+02
1293	489985.89	3859226.54	26.1309	14.0052	51.729	6.51768	1.99E+00	1.49E+02	5.72E+00	3.73E-01	1.58E+02	1.93E+00	6.31E-04	5.72E-01	7.30E-02	2.58E+00	2.17E+00	1.49E+02	5.72E+00	3.73E-01	1.58E+02
1294	490035.89	3859226.54	25.7537	13.8043	52.969	6.5697	1.96E+00	1.47E+02	5.86E+00	3.76E-01	1.56E+02	1.91E+00	6.22E-04	5.86E-01	7.35E-02	2.57E+00	2.14E+00	1.47E+02	5.86E+00	3.76E-01	1.56E+02
1295	489735.89	3859276.54	26.4619	16.1299	49.099	6.26706	2.02E+00	1.72E+02	5.43E+00	3.58E-01	1.80E+02	1.96E+00	7.27E-04	5.43E-01	7.02E-02	2.57E+00	2.20E+00	1.72E+02	5.43E+00	3.58E-01	1.80E+02
1296	489785.89	3859276.54	25.9393	15.8719	48.571	6.30089	1.98E+00	1.69E+02	5.37E+00	3.60E-01	1.77E+02	1.92E+00	7.15E-04	5.37E-01	7.05E-02	2.53E+00	2.15E+00	1.69E+02	5.37E+00	3.60E-01	1.77E+02
1297	489835.89	3859276.54	26.4085	15.4622	47.786	6.4295	2.01E+00	1.65E+02	5.28E+00	3.68E-01	1.73E+02	1.96E+00	6.97E-04	5.28E-01	7.20E-02	2.56E+00	2.19E+00	1.65E+02	5.28E+00	3.68E-01	1.73E+02
1298	489885.89	3859276.54	26.5165	15.1623	46.635	6.52014	2.02E+00	1.62E+02	5.16E+00	3.73E-01	1.69E+02	1.96E+00	6.83E-04	5.16E-01	7.30E-02	2.55E+00	2.20E+00	1.62E+02	5.16E+00	3.73E-01	1.70E+02
1299	489935.89	3859276.54	26.3476	14.7577	45.754	6.6193	2.01E+00	1.57E+02	5.06E+00	3.79E-01	1.65E+02	1.95E+00	6.65E-04	5.06E-01	7.41E-02	2.53E+00	2.19E+00	1.57E+02	5.06E+00	3.79E-01	1.65E+02
1300	489985.89	3859276.54	25.9748	14.0111	48.114	6.76375	1.98E+00	1.50E+02	5.32E+00	3.87E-01	1.57E+02	1.92E+00	6.32E-04	5.32E-01	7.57E-02	2.53E+00	2.16E+00	1.50E+02	5.32E+00	3.87E-01	1.57E+02
1301	490035.89	3859276.54	25.6035	14.0299	50.045	6.6986	1.95E+00	1.50E+02	5.53E+00	3.83E-01	1.58E+02	1.90E+00	6.32E-04	5.53E-01	7.50E-02	2.52E+00	2.13E+00	1.50E+02	5.53E+00	3.83E-01	1.58E+02
1302	490458.06	3859590.74	22.3868	12.7709	42.436	7.63848	1.71E+00	1.36E+02	4.69E+00	4.37E-01	1.43E+02	1.66E+00	5.76E-04	4.69E-01	8.55E-02	2.21E+00	1.86E+00	1.36E+02	4.69E+00	4.37E-01	1.43E+02
1303	490508.06	3859590.74	22.3206	12.5008	44.151	7.65798	1.70E+00	1.33E+02	4.88E+00	4.38E-01	1.40E+02	1.65E+00	5.64E-04	4.88E-01	8.57E-02	2.23E+00	1.85E+00	1.33E+02	4.88E+00	4.38E-01	1.41E+02
1304	490558.06	3859590.74	22.0514	12.2199	45.554	7.64724	1.68E+00	1.30E+02	5.04E+00	4.37E-01	1.38E+02	1.63E+00	5.51E-04	5.04E-01	8.56E-02	2.22E+00	1.83E+00	1.30E+02	5.04E+00	4.37E-01	1.38E+02
1305	490608.06	3859590.74	21.609	11.8916	46.531	7.61431	1.65E+00	1.27E+02	5.14E+00	4.35E-01	1.34E+02	1.60E+00	5.36E-04	5.14E-01	8.52E-02	2.20E+00	1.79E+00	1.27E+02	5.14E+00	4.35E-01	1.34E+02
1306	490658.06	3859590.74	21.005	11.5095	47.124	7.57504	1.60E+00	1.23E+02	5.21E+00	4.33E-01	1.30E+02	1.56E+00	5.19E-04	5.21E-01	8.48E-02	2.16E+00	1.74E+00	1.23E+02	5.21E+00	4.33E-01	1.30E+02
1307	490708.06	3859590.74	20.6095	11.0956	47.441	7.53431	1.57E+00	1.18E+02	5.25E+00	4.31E-01	1.26E+02	1.53E+00	5.00E-04	5.25E-01	8.43E-02	2.14E+00	1.71E+00	1.18E+02	5.25E+00	4.31E-01	1.26E+02
1308	490758.06	3859590.74	20.8544	10.6064	47.47	7.48881	1.59E+00	1.13E+02	5.25E+00	4.28E-01	1.20E+02	1.54E+00	4.78E-04	5.25E-01	8.38E-02	2.15E+00	1.73E+00	1.13E+02	5.25E+00	4.28E-01	1.21E+02
1309	490808.06	3859590.74	20.9072	10.2305	47.241	7.453	1.59E+00	1.09E+02	5.22E+00	4.26E-01	1.16E+02	1.55E+00	4.61E-04	5.22E-01	8.34E-02	2.15E+00	1.74E+00	1.09E+02	5.22E+00	4.26E-01	1.17E+02
1310	490858.06	3859590.74	20.8042	9.82931	46.747	7.41295	1.59E+00	1.05E+02	5.17E+00	4.24E-01	1.12E+02	1.54E+00	4.43E-04	5.17E-01	8.30E-02	2.14E+00	1.73E+00	1.05E+02	5.17E+00	4.24E-01	1.12E+02
1311	490458.06	3859640.74	22.302	12.7014	38.75	7.69261	1.70E+00	1.36E+02	4.28E+00	4.40E-01	1.42E+02	1.65E+00	5.73E-04	4.28E-01	8.61E-02	2.17E+00	1.85E+00	1.36E+02	4.28E+00	4.40E-01	1.42E+02
1312	490508.06	3859640.74	21.9351	12.4461	40.721	7.71475	1.67E+00	1.33E+02	4.50E+00	4.41E-01	1.39E+02	1.62E+00	5.61E-04	4.50E-01	8.64E-02	2.16E+00	1.82E+00	1.33E+02	4.50E+00	4.41E-01	1.40E+02
1313	490558.06	3859640.74	21.9392	12.1857	42.481	7.7188	1.67E+00	1.30E+02	4.70E+00	4.41E-01	1.37E+02	1.62E+00	5.49E-04	4.70E-01	8.64E-02	2.18E+00	1.82E+00	1.30E+02	4.70E+00	4.41E-01	1.37E+02
1314	490608.06	3859640.74	21.782	11.8786	44.075	7.68093	1.66E+00	1.27E+02	4.87E+00	4.39E-01	1.34E+02	1.61E+00	5.35E-04	4.87E-01	8.60E-02	2.19E+00	1.81E+00	1.27E+02	4.87E+00	4.39E-01	1.34E+02
1315	490658.06	3859640.74	21.443	11.5401	45.199	7.63003	1.63E+00	1.23E+02	5.00E+00	4.36E-01	1.30E+02	1.59E+00	5.20E-04	5.00E-01	8.54E-02	2.17E+00	1.78E+00	1.23E+02	5.00E+00	4.36E-01	1.30E+02
1316	490708.06	3859640.74	20.9136	11.2086	45.949	7.58484	1.59E+00	1.20E+02	5.08E+00	4.34E-01	1.27E+02	1.55E+00	5.05E-04	5.08E-01	8.49E-02	2.14E+00	1.74E+00	1.20E+02	5.08E+00	4.34E-01	1.27E+02
1317	490758.06	3859640.74	20.2414	10.8364	46.431	7.53467	1.54E+00	1.16E+02	5.13E+00	4.31E-01	1.23E+02	1.50E+00	4.88E-04	5.13E-01	8.43E-02	2.10E+00	1.68E+00	1.16E+02	5.13E+00	4.31E-01	1.23E+02
1318	490808.06	3859640.74	20.3869	10.5424	46.667	7.49818	1.55E+00	1.13E+02	5.16E+00	4.29E-01	1.20E+02	1.51E+00	4.75E-04	5.16E-01	8.39E-02	2.11E+00	1.69E+00	1.13E+02	5.16E+00	4.29E-01	1.20E+02
1319	490858.06	3859640.74	20.5067	10.2513	46.637	7.46183	1.56E+00	1.09E+02	5.16E+00	4.27E-01	1.17E+02	1.52E+00	4.62E-04	5.16E-01	8.35E-02	2.12E+00	1.70E+00	1.09E+02	5.16E+00	4.27E-01	1.17E+02
1320	490608.06	3859690.74	21.6007	12.1591	40.963	7.68346	1.65E+00	1.30E+02	4.53E+00	4.39E-01	1.36E+02	1.60E+00	5.48E-04	4.53E-01	8.60E-02	2.14E+00	1.79E+00	1.30E+02	4.53E+00	4.39E-01	1.37E+02
1321	490658.06	3859690.74	21.5237	11.8578	42.629	7.63048	1.64E+00	1.27E+02	4.71E+00	4.36E-01	1.33E+02	1.59E+00	5.35E-04	4.71E-01	8.54E-02	2.15E+00	1.79E+00	1.27E+02	4.71E+00	4.36E-01	1.33E+02
1322	490708.06	3859690.74	21.2452	11.5584	43.827	7.58034	1.62E+00	1.23E+02	4.85E+00	4.33E-01	1.30E+02	1.57E+00	5.21E-04	4.85E-01	8.49E-02	2.14E+00	1.76E+00	1.23E+02	4.85E+00	4.33E-01	1.30E+02
1323	490758.06	3859690.74	20.8046	11.2206	44.703	7.5262	1.59E+00	1.20E+02	4.94E+00	4.30E-01	1.27E+02	1.54E+00	5.06E-04	4.94E-01	8.43E-02	2.12E+00	1.73E+00	1.20E+02	4.94E+00	4.30E-01	1.27E+02
1324	490808.06	3859690.74	20.1861	10.9236	45.355	7.48123	1.54E+00	1.17E+02	5.01E+00	4.28E-01	1.24E+02	1.49E+00	4.92E-04	5.01E-01	8.37E-02	2.08E+00	1.68E+00	1.17E+02	5.01E+00	4.28E-01	1.24E+02
1325	490858.06	3859690.74	19.8765	10.7501	45.783	7.45564	1.52E+00	1.15E+02	5.06E+00	4.26E-01	1.22E+02	1.47E+00	4.85E-04	5.06E-01	8.35E-02	2.06E+00	1.65E+00	1.15E+02	5.06E+00	4.26E-01	1.22E+02
1326	490708.06	3859740.74	21.2142	11.839	41.132	7.52596	1.62E+00	1.26E+02	4.55E+00	4.30E-01	1.33E+02	1.57E+00	5.34E-04	4.55E-01	8.42E-02	2.11E+00	1.76E+00	1.26E+02	4.55E+00	4.30E-01	1.33E+02
1327	490758.06	3859740.74	20.969	11.6309	42.469	7.4885	1.60E+00	1.24E+02	4.70E+00	4.28E-01	1.31E+02	1.55E+00	5.24E-04	4.70E-01	8.38E-02	2.11E+00	1.74E+00	1.24E+02	4.70E+00	4.28E-01	1.31E+02
1328	490808.06	3859740.74	20.5761	11.3905	43.504	7.44379	1.57E+00	1.22E+02	4.81E+00	4.26E-01	1.28E+02	1.52E+00	5.13E-04	4.81E-01	8.33E-02	2.09E+00	1.71E+00	1.22E+02	4.81E+00	4.26E-01	1.29E+02
1329	490858.06	3859740.74	20.0136	11.1767	44.294	7.40507	1.53E+00	1.19E+02	4.90E+00	4.23E-01	1.26E+02	1.48E+00	5.04E-04	4.90E-01	8.29E-02	2.05E+00	1.66E+00	1.19E+02	4.90E+00	4.23E-01	1.26E+02
1330	490786.56	3859749.39	20.7795	11.5516	42.686	7.4502	1.58E+00	1.23E+02	4.72E+00	4.26E-01	1.30E+02	1.54E+00	5.21E-04	4.72E-01	8.34E-02	2.09E+00	1.73E+00	1.23E+02	4.72E+00	4.26E-01	1.30E+02
1331	490836.56	3859749.39	20.3348	11.3209	43.641	7.40638	1.55E+00	1.21E+02	4.82E+00	4.24E-01	1.28E+02	1.51E+00	5.10E-04	4.82E-01	8.29E-02	2.07E+00	1.69E+00	1.21E+02	4.82E+00	4.24E-01	1.28E+02
1332	490786.56	3859799.39	20.7096	11.7661	39.821	7.33582	1.58E+00	1.26E+02	4.40E+00	4.19E-01	1.32E+02	1.53E+00	5.30E-04	4.40E-01	8.21E-02	2.06E+00	1.72E+00	1.26E+02	4.40E+00	4.19E-01	1.32E+02
1333	490836.56	3859799.39	20.5051	11.5657	41.259	7.29009	1.56E+00	1.23E+02	4.56E+00	4.17E-01	1.30E+02	1.52E+00	5.21E-04	4.56E-01	8.16E-02	2.06E+00	1.70E+00	1.23E+02	4.56E+00	4.17E-01	1.30E+02
1334	492307.84	3854508.36	5.73752	2.48053	85.242	7.49801	4.37E-01	2.65E+01	9.42E+00	4.29E-01	3.68E+01	4.25E-01	1.12E-04	9.42E-01	8.39E-02	1.45E+00	4.76E-01	2.65E+01	9.42E+00	4.29E-01	3.68E+01
1335	486445.7	3854753.6	9.23998	3.26153	100.1	20.57261	7.04E-01	3.48E+01	1.11E+01	1.18E+00	4.78E+01	6.84E-01	1.47E-04	1.11E+00	2.30E-01	2.02E+00	7.67E-01	3.48E+01	1.11E+01	1.18E+00	4.78E+01
1336	472599.75	3877830.11	1.78514	1.0854	7.154	2.15894	1.36E-01	1.16E+01	7.91E-01	1.23E-01	1.26E+01	1.32E-01	4.89E-05	7.91E-02	2.42E-02	2.35E-01	1.48E-01	1.16E+01	7.91E-01	1.23E-01	1.26E+01
1337	493107.48	3866840.19	8.42719	3.74336	16.622	27.64197	6.42E-01	3.99E+01	1.84E+00	1.58E+00	4.40E+01	6.24E-01	1.69E-04	1.84E-01	3.09E-01	1.12E+00	7.00E-01	3.99E+01	1.84E+00	1.58E+00	4.41E+01
1338	495815.8	3861662.87	9.06857	5.34279	21.684	4.20294	6.91E-01	5.70E+01	2.40E+00	2.40E-01	6.03E+01	6.71E-01	2.41E-04	2.40E-01	4.70E-02	9.58E-01	7.53E-01	5.70E+01	2.40E+00	2.40E-01	6.04E+01

1339	480272.33	3841389.2	2.73917	1.24079	4.9381	2.66347	2.09E-01	1.32E+01	5.46E-01	1.52E-01	1.41E+01	2.03E-01	5.59E-05	5.46E-02	2.98E-02	2.87E-01	2.27E-01	1.32E+01	5.46E-01	1.52E-01	1.42E+01
1340	497005.18	3862813.64	7.81361	5.42235	17.674	4.36055	5.96E-01	5.79E+01	1.95E+00	2.49E-01	6.07E+01	5.78E-01	2.44E-04	1.95E-01	4.88E-02	8.23E-01	6.49E-01	5.79E+01	1.95E+00	2.49E-01	6.07E+01
1341	493677.33	3860302.55	13.9976	6.81746	37.44	4.5372	1.07E+00	7.28E+01	4.14E+00	2.59E-01	7.82E+01	1.04E+00	3.07E-04	4.14E-01	5.08E-02	1.50E+00	1.16E+00	7.28E+01	4.14E+00	2.59E-01	7.83E+01
1342	493727.33	3860302.55	13.781	6.76826	37.395	4.54558	1.05E+00	7.22E+01	4.13E+00	2.60E-01	7.77E+01	1.02E+00	3.05E-04	4.13E-01	5.09E-02	1.48E+00	1.14E+00	7.22E+01	4.13E+00	2.60E-01	7.78E+01
1343	493777.33	3860302.55	13.7374	6.72625	37.154	4.54517	1.05E+00	7.18E+01	4.11E+00	2.60E-01	7.72E+01	1.02E+00	3.03E-04	4.11E-01	5.09E-02	1.48E+00	1.14E+00	7.18E+01	4.11E+00	2.60E-01	7.73E+01
1344	493827.33	3860302.55	13.7036	6.68145	36.794	4.53927	1.04E+00	7.13E+01	4.07E+00	2.60E-01	7.67E+01	1.01E+00	3.01E-04	4.07E-01	5.08E-02	1.47E+00	1.14E+00	7.13E+01	4.07E+00	2.60E-01	7.68E+01
1345	493877.33	3860302.55	13.6272	6.64208	36.483	4.53525	1.04E+00	7.09E+01	4.03E+00	2.59E-01	7.62E+01	1.01E+00	2.99E-04	4.03E-01	5.08E-02	1.46E+00	1.13E+00	7.09E+01	4.03E+00	2.59E-01	7.63E+01
1346	493927.33	3860302.55	13.5036	6.60473	36.15	4.52944	1.03E+00	7.05E+01	4.00E+00	2.59E-01	7.58E+01	1.00E+00	2.98E-04	4.00E-01	5.07E-02	1.45E+00	1.12E+00	7.05E+01	4.00E+00	2.59E-01	7.59E+01
1347	493977.33	3860302.55	13.4103	6.52664	35.097	4.48332	1.02E+00	6.97E+01	3.88E+00	2.56E-01	7.48E+01	9.93E-01	2.94E-04	3.88E-01	5.02E-02	1.43E+00	1.11E+00	6.97E+01	3.88E+00	2.56E-01	7.49E+01
1348	494027.33	3860302.55	13.2528	6.46059	34.276	4.44875	1.01E+00	6.89E+01	3.79E+00	2.54E-01	7.40E+01	9.81E-01	2.91E-04	3.79E-01	4.98E-02	1.41E+00	1.10E+00	6.89E+01	3.79E+00	2.54E-01	7.41E+01
1349	493677.33	3860352.55	14.0735	6.99508	36.842	4.50067	1.07E+00	7.46E+01	4.07E+00	2.57E-01	8.01E+01	1.04E+00	3.15E-04	4.07E-01	5.04E-02	1.50E+00	1.17E+00	7.46E+01	4.07E+00	2.57E-01	8.01E+01
1350	493727.33	3860352.55	13.9132	6.91265	37.104	4.52679	1.06E+00	7.38E+01	4.10E+00	2.59E-01	7.92E+01	1.03E+00	3.12E-04	4.10E-01	5.07E-02	1.49E+00	1.16E+00	7.38E+01	4.10E+00	2.59E-01	7.93E+01
1351	493777.33	3860352.55	13.727	6.82816	37.245	4.54643	1.05E+00	7.29E+01	4.12E+00	2.60E-01	7.83E+01	1.02E+00	3.08E-04	4.12E-01	5.09E-02	1.48E+00	1.14E+00	7.29E+01	4.12E+00	2.60E-01	7.84E+01
1352	493827.33	3860352.55	13.5181	6.74461	37.411	4.55485	1.03E+00	7.20E+01	4.14E+00	2.60E-01	7.74E+01	1.00E+00	3.04E-04	4.14E-01	5.10E-02	1.47E+00	1.12E+00	7.20E+01	4.14E+00	2.60E-01	7.75E+01
1353	493877.33	3860352.55	13.4924	6.6606	37.484	4.5525	1.03E+00	7.11E+01	4.14E+00	2.60E-01	7.65E+01	9.99E-01	3.00E-04	4.14E-01	5.10E-02	1.46E+00	1.12E+00	7.11E+01	4.14E+00	2.60E-01	7.66E+01
1354	493927.33	3860352.55	13.4767	6.59412	37.09	4.53787	1.03E+00	7.04E+01	4.10E+00	2.59E-01	7.58E+01	9.98E-01	2.97E-04	4.10E-01	5.08E-02	1.46E+00	1.12E+00	7.04E+01	4.10E+00	2.59E-01	7.58E+01
1355	493977.33	3860352.55	13.4447	6.54633	36.38	4.51486	1.02E+00	6.99E+01	4.02E+00	2.58E-01	7.52E+01	9.95E-01	2.95E-04	4.02E-01	5.05E-02	1.45E+00	1.12E+00	6.99E+01	4.02E+00	2.58E-01	7.53E+01
1356	494027.33	3860352.55	13.3342	6.51075	35.974	4.50526	1.02E+00	6.95E+01	3.98E+00	2.58E-01	7.47E+01	9.87E-01	2.93E-04	3.98E-01	5.04E-02	1.44E+00	1.11E+00	6.95E+01	3.98E+00	2.58E-01	7.48E+01
1357	493677.33	3860402.55	13.9777	7.08342	34.047	4.46871	1.07E+00	7.56E+01	3.76E+00	2.56E-01	8.07E+01	1.03E+00	3.19E-04	3.76E-01	5.00E-02	1.46E+00	1.16E+00	7.56E+01	3.76E+00	2.56E-01	8.08E+01
1358	493727.33	3860402.55	13.8921	7.01422	34.523	4.50302	1.06E+00	7.49E+01	3.82E+00	2.57E-01	8.00E+01	1.03E+00	3.16E-04	3.82E-01	5.04E-02	1.46E+00	1.15E+00	7.49E+01	3.82E+00	2.57E-01	8.01E+01
1359	493777.33	3860402.55	13.8276	6.96228	35.917	4.49899	1.05E+00	7.43E+01	3.97E+00	2.57E-01	7.96E+01	1.02E+00	3.14E-04	3.97E-01	5.04E-02	1.47E+00	1.15E+00	7.43E+01	3.97E+00	2.57E-01	7.97E+01
1360	493827.33	3860402.55	13.6569	6.88033	35.856	4.53383	1.04E+00	7.34E+01	3.96E+00	2.59E-01	7.87E+01	1.01E+00	3.10E-04	3.96E-01	5.08E-02	1.46E+00	1.13E+00	7.34E+01	3.96E+00	2.59E-01	7.88E+01
1361	493877.33	3860402.55	13.4738	6.80548	36.079	4.55147	1.03E+00	7.26E+01	3.99E+00	2.60E-01	7.79E+01	9.98E-01	3.07E-04	3.99E-01	5.10E-02	1.45E+00	1.12E+00	7.26E+01	3.99E+00	2.60E-01	7.80E+01
1362	493927.33	3860402.55	13.3056	6.74513	37.063	4.53845	1.01E+00	7.20E+01	4.10E+00	2.60E-01	7.74E+01	9.85E-01	3.04E-04	4.10E-01	5.08E-02	1.45E+00	1.10E+00	7.20E+01	4.10E+00	2.60E-01	7.74E+01
1363	493977.33	3860402.55	13.3363	6.67723	37.093	4.51616	1.02E+00	7.13E+01	4.10E+00	2.58E-01	7.66E+01	9.87E-01	3.01E-04	4.10E-01	5.06E-02	1.45E+00	1.11E+00	7.13E+01	4.10E+00	2.58E-01	7.67E+01
1364	494027.33	3860402.55	13.2814	6.59618	37.062	4.52365	1.01E+00	7.04E+01	4.10E+00	2.59E-01	7.58E+01	9.83E-01	2.97E-04	4.10E-01	5.06E-02	1.44E+00	1.10E+00	7.04E+01	4.10E+00	2.59E-01	7.59E+01
1365	493677.33	3860452.55	13.7753	7.12448	31.417	4.4552	1.05E+00	7.60E+01	3.47E+00	2.55E-01	8.08E+01	1.02E+00	3.21E-04	3.47E-01	4.99E-02	1.42E+00	1.14E+00	7.60E+01	3.47E+00	2.55E-01	8.09E+01
1366	493727.33	3860452.55	13.7297	7.0472	31.571	4.46084	1.05E+00	7.52E+01	3.49E+00	2.55E-01	8.00E+01	1.02E+00	3.18E-04	3.49E-01	4.99E-02	1.42E+00	1.14E+00	7.52E+01	3.49E+00	2.55E-01	8.01E+01
1367	493777.33	3860452.55	13.6932	6.99132	32.268	4.49354	1.04E+00	7.46E+01	3.57E+00	2.57E-01	7.95E+01	1.01E+00	3.15E-04	3.57E-01	5.03E-02	1.42E+00	1.14E+00	7.46E+01	3.57E+00	2.57E-01	7.96E+01
1368	493827.33	3860452.55	13.6495	6.9536	33.426	4.50877	1.04E+00	7.42E+01	3.70E+00	2.58E-01	7.92E+01	1.01E+00	3.13E-04	3.70E-01	5.05E-02	1.43E+00	1.13E+00	7.42E+01	3.70E+00	2.58E-01	7.93E+01
1369	493877.33	3860452.55	13.5595	6.90268	34.338	4.51689	1.03E+00	7.37E+01	3.80E+00	2.58E-01	7.88E+01	1.00E+00	3.11E-04	3.80E-01	5.06E-02	1.43E+00	1.13E+00	7.37E+01	3.80E+00	2.58E-01	7.88E+01
1370	493927.33	3860452.55	13.474	6.85713	35.943	4.49832	1.03E+00	7.32E+01	3.97E+00	2.57E-01	7.84E+01	9.98E-01	3.09E-04	3.97E-01	5.04E-02	1.45E+00	1.12E+00	7.32E+01	3.97E+00	2.57E-01	7.85E+01
1371	493977.33	3860452.55	13.2961	6.79295	36.317	4.51396	1.01E+00	7.25E+01	4.02E+00	2.58E-01	7.78E+01	9.84E-01	3.06E-04	4.02E-01	5.05E-02	1.44E+00	1.10E+00	7.25E+01	4.02E+00	2.58E-01	7.79E+01
1372	494027.33	3860452.55	13.0917	6.72532	36.535	4.52623	9.98E-01	7.18E+01	4.04E+00	2.59E-01	7.71E+01	9.69E-01	3.03E-04	4.04E-01	5.07E-02	1.42E+00	1.09E+00	7.18E+01	4.04E+00	2.59E-01	7.72E+01
1373	493677.33	3860502.55	13.4256	7.08049	28.349	4.51282	1.02E+00	7.56E+01	3.13E+00	2.58E-01	8.00E+01	9.94E-01	3.19E-04	3.13E-01	5.05E-02	1.36E+00	1.11E+00	7.56E+01	3.13E+00	2.58E-01	8.01E+01
1374	493727.33	3860502.55	13.4685	7.01848	28.946	4.4941	1.03E+00	7.49E+01	3.20E+00	2.57E-01	7.94E+01	9.97E-01	3.16E-04	3.20E-01	5.03E-02	1.37E+00	1.12E+00	7.49E+01	3.20E+00	2.57E-01	7.95E+01
1375	493777.33	3860502.55	13.5031	6.97676	29.824	4.4723	1.03E+00	7.45E+01	3.30E+00	2.56E-01	7.90E+01	1.00E+00	3.15E-04	3.30E-01	5.01E-02	1.38E+00	1.12E+00	7.45E+01	3.30E+00	2.56E-01	7.91E+01
1376	493827.33	3860502.55	13.5019	6.9359	30.67	4.45007	1.03E+00	7.40E+01	3.39E+00	2.54E-01	7.87E+01	1.00E+00	3.13E-04	3.39E-01	4.98E-02	1.39E+00	1.12E+00	7.40E+01	3.39E+00	2.54E-01	7.88E+01
1377	493877.33	3860502.55	13.4972	6.91692	31.88	4.47053	1.03E+00	7.38E+01	3.52E+00	2.56E-01	7.86E+01	9.99E-01	3.12E-04	3.52E-01	5.00E-02	1.40E+00	1.12E+00	7.38E+01	3.52E+00	2.56E-01	7.87E+01
1378	493927.33	3860502.55	13.4674	6.89723	33.297	4.47555	1.03E+00	7.36E+01	3.68E+00	2.56E-01	7.86E+01	9.97E-01	3.11E-04	3.68E-01	5.01E-02	1.42E+00	1.12E+00	7.36E+01	3.68E+00	2.56E-01	7.87E+01
1379	493977.33	3860502.55	13.3467	6.84241	33.735	4.50436	1.02E+00	7.30E+01	3.73E+00	2.58E-01	7.80E+01	9.88E-01	3.08E-04	3.73E-01	5.04E-02	1.41E+00	1.11E+00	7.30E+01	3.73E+00	2.58E-01	7.81E+01
1380	494027.33	3860502.55	13.2137	6.79244	34.332	4.51852	1.01E+00	7.25E+01	3.80E+00	2.58E-01	7.75E+01	9.78E-01	3.06E-04	3.80E-01	5.06E-02	1.41E+00	1.10E+00	7.25E+01	3.80E+00	2.58E-01	7.76E+01
1381	493627.33	3860552.55	13.4642	6.98444	28.936	4.57836	1.03E+00	7.45E+01	3.20E+00	2.62E-01	7.90E+01	9.97E-01	3.15E-04	3.20E-01	5.13E-02	1.37E+00	1.12E+00	7.45E+01	3.20E+00	2.62E-01	7.91E+01
1382	493677.33	3860552.55	13.1057	6.81511	28.326	4.56119	9.99E-01	7.27E+01	3.13E+00	2.61E-01	7.71E+01	9.70E-01	3.07E-04	3.13E-01	5.11E-02	1.33E+00	1.09E+00	7.27E+01	3.13E+00	2.61E-01	7.72E+01
1383	493727.33	3860552.55	13.0401	6.78803	27.709	4.5431	9.94E-01	7.24E+01	3.06E+00	2.60E-01	7.68E+01	9.65E-01	3.06E-04	3.06E-01	5.09E-02	1.32E+00	1.08E+00	7.24E+01	3.06E+00	2.60E-01	7.68E+01
1384	493777.33	3860552.55	13.1586	6.75571	27.144	4.5214	1.00E+00	7.21E+01	3.00E+00	2.59E-01	7.64E+01	9.74E-01	3.05E-04	3.00E-01	5.06E-02	1.33E+00	1.09E+00	7.21E+01	3.00E+00	2.59E-01	7.64E+01
1385	493827.33	3860552.55	13.2599	6.87376	28.191	4.49762	1.01E+00	7.34E+01	3.12E+00	2.57E-01	7.77E+01	9.82E-01	3.10E-04	3.12E-01	5.03E-02	1.34E+00	1.10E+00	7.34E+01	3.12E+00	2.57E-01	7.78E+01
1386	493877.33	3860552.55	13.2812	6.83092	28.957	4.47797	1.01E+00	7.29E+01	3.20E+00	2.56E-01	7.74E+01	9.83E-01	3.08E-04	3.20E-01	5.01E-02	1.35E+00	1.10E+00	7.29E+01	3.20E+00	2.56E-01	7.75E+01
1387	493927.33	3860552.55	13.3041	6.82633	30.131	4.45435	1.01E+00	7.28E+01	3.33E+00	2.55E-01	7.74E+01	9.85E-01	3.08E-04	3.33E-01	4.99E-02	1.37E+00	1.10E+00	7.28E+01	3.33E+00	2.55E-01	7.75E+01
1388	493977.33	3860552.55	13.2974	6.82141	31.379	4.44845	1.01E+00	7.28E+01	3.47E+00	2.54E-01	7.75E+01	9.84E-01	3.07E-04	3.47E-01	4.98E-02	1.38E+00	1.10E+00	7.28E+01	3.47E+00	2.54E-01	7.76E+01
1389	494027.33	3860552.55	13.2165	6.77721	31.953	4.47656	1.01E+00	7.23E+01	3.53E+00	2.56E-01	7.71E+01	9.78E-01	3.06E-04	3.53E-01	5.01E-02	1.38E+00	1.10E+00	7.23E+01	3.53E+00	2.56E-01	7.72E+01
1390	493627.33	3860602.55	13.7177	6.79392	29.412	4.60864	1.05E+00	7.25E+01	3.25E+00	2.64E-01	7.71E+01	1.02E+00	3.06E-04	3.25E-01	5.16E-02	1.39E+00	1.14E+00	7.25E+01	3.25E+00	2.64E-01	7.72E+01
1391	493727.33	3860602.55	13.0742	6.69648	28.3	4.58061	9.97E-01	7.15E+01	3.13E+00	2.62E-01	7.59E+01	9.68E-01	3.02E-04	3.13E-01	5.13E-02	1.33E+00	1.09E+00	7.15E+01	3.13E+00	2.62E-01	7.59E+01
1392	493777.33	3860602.55	12.8003	6.67544	27.911	4.55798	9.76E-01	7.12E+01	3.09E+00	2.61E-01	7.56E+01	9.48E-01	3.01E-04	3.09E-01	5.10E-02	1.31E+00	1.06E+00	7.12E+01	3.09E+00	2.61E-01	7.56E+01
1393	493827.33	3860602.55	12.8436	6.65358	27.382	4.53838	9.79E-01	7.10E+01	3.03E+00	2.60E-01	7.53E+01	9.51E-01	3.00E-04	3.03E-01	5.08E-02	1.30E+00	1.07E+00	7.10E+01	3.03E+00	2.60E-01	7.54E+01
1394	493877.33	3860602.55	12.9838	6.62709	26.903	4.51482	9.90E-01	7.07E+01	2.97E+00	2.58E-01	7.49E+01	9.61E-01	2.99E-04	2.97E-01	5.05E-02	1.31E+00	1.08E+00	7.07E+01	2.97E+00	2.58E-01	7.50E+01
1395	493927.33	3860602.55	13.0623	6.59913	27.536	4.49397	9.96E-01	7.04E+01	3.04E+00	2.57E-01	7.47E+01	9.67E-01	2.97E-04	3.04E-01	5.03E-02	1.32E+00	1.08E+00	7.04E+01	3.04E+00	2.57E-01	7.48E+01
1396	493977.33	3860602.55	13.1123	6.72118	28.686	4.47253	9.99E-01	7.17E+01	3.17E+00	2.56E-01	7.62E+01	9.71E-01	3.03E-04	3.17E-01	5.01E-02	1.34E+00	1.09E+00	7.17E+01	3.17E+00	2.56E-01	7.62E+01
1397	494027.33	3860602.55	13.0872	6.53833	29.3	4.45481	9.98E-01	6.98E+01	3.24E+00	2.55E-01	7.43E+01	9.69E-01	2.95E-04	3.24E-01	4.99E-02	1.34E+00	1.09E+00	6.98E+01	3.24E+00	2.55E-01	7.44E+01
1398	493627.33	3860652.55	13.8208	6.91828	29.613	4.62609	1.05E+00	7.38E+01	3.27E+00	2.65E-01	7.84E+01	1.02E+00	3.12E-04	3.27E-01	5.18E-02	1.40E+00	1.15E+00	7.38E+01	3.27E+00	2.65E-01	7.85E+01
1399	493727.33	3860652.55	13.3291	6.76523	28.742	4.58814	1.02E+00	7.22E+01	3.18E+00	2.62E-01	7.67E+01	9.87E-01	3.05E-04	3.18E-01	5.14E-02	1.36E+00	1.11E+00	7.22E+01	3.18E+00	2.62E-01	7.67E+01

1400	493777.33	3860652.55	13.0998	6.68596	28.408	4.57839	9.98E-01	7.14E+01	3.14E+00	2.62E-01	7.58E+01	9.70E-01	3.01E-04	3.14E-01	5.13E-02	1.34E+00	1.09E+00	7.14E+01	3.14E+00	2.62E-01	7.58E+01
1401	493827.33	3860652.55	12.8343	6.61354	28.032	4.56161	9.78E-01	7.06E+01	3.10E+00	2.61E-01	7.49E+01	9.50E-01	2.98E-04	3.10E-01	5.11E-02	1.31E+00	1.07E+00	7.06E+01	3.10E+00	2.61E-01	7.50E+01
1402	493877.33	3860652.55	12.5558	6.54868	27.644	4.5415	9.57E-01	6.99E+01	3.06E+00	2.60E-01	7.42E+01	9.30E-01	2.95E-04	3.06E-01	5.08E-02	1.29E+00	1.04E+00	6.99E+01	3.06E+00	2.60E-01	7.42E+01
1403	493927.33	3860652.55	12.6879	6.5096	27.148	4.5228	9.67E-01	6.95E+01	3.00E+00	2.59E-01	7.37E+01	9.39E-01	2.93E-04	3.00E-01	5.06E-02	1.29E+00	1.05E+00	6.95E+01	3.00E+00	2.59E-01	7.38E+01
1404	493977.33	3860652.55	12.7916	6.49184	26.613	4.5044	9.75E-01	6.93E+01	2.94E+00	2.58E-01	7.35E+01	9.47E-01	2.93E-04	2.94E-01	5.04E-02	1.29E+00	1.06E+00	6.93E+01	2.94E+00	2.58E-01	7.35E+01
1405	494027.33	3860652.55	12.88	6.46983	27.009	4.4831	9.82E-01	6.90E+01	2.99E+00	2.56E-01	7.33E+01	9.54E-01	2.92E-04	2.99E-01	5.02E-02	1.30E+00	1.07E+00	6.90E+01	2.99E+00	2.56E-01	7.34E+01
1406	494311.06	3858401.99	5.68355	3.00224	27.617	3.86399	4.33E-01	3.20E+01	3.05E+00	2.21E-01	3.57E+01	4.21E-01	1.35E-04	3.05E-01	4.33E-02	7.69E-01	4.72E-01	3.20E+01	3.05E+00	2.21E-01	3.58E+01
1407	494361.06	3858401.99	5.76032	3.00894	27.567	3.88012	4.39E-01	3.21E+01	3.05E+00	2.22E-01	3.58E+01	4.26E-01	1.36E-04	3.05E-01	4.34E-02	7.75E-01	4.78E-01	3.21E+01	3.05E+00	2.22E-01	3.59E+01
1408	494411.06	3858401.99	5.83378	3.01553	27.499	3.89239	4.45E-01	3.22E+01	3.04E+00	2.23E-01	3.59E+01	4.32E-01	1.36E-04	3.04E-01	4.36E-02	7.80E-01	4.84E-01	3.22E+01	3.04E+00	2.23E-01	3.59E+01
1409	494461.06	3858401.99	5.90861	3.02204	27.409	3.90056	4.50E-01	3.23E+01	3.03E+00	2.23E-01	3.60E+01	4.37E-01	1.36E-04	3.03E-01	4.37E-02	7.84E-01	4.91E-01	3.23E+01	3.03E+00	2.23E-01	3.60E+01
1410	494511.06	3858401.99	5.98019	3.02847	27.344	3.91307	4.56E-01	3.23E+01	3.02E+00	2.24E-01	3.60E+01	4.43E-01	1.37E-04	3.02E-01	4.38E-02	7.89E-01	4.96E-01	3.23E+01	3.02E+00	2.24E-01	3.61E+01
1411	494561.06	3858401.99	6.04714	3.03493	27.255	3.92113	4.61E-01	3.24E+01	3.01E+00	2.24E-01	3.61E+01	4.48E-01	1.37E-04	3.01E-01	4.39E-02	7.93E-01	5.02E-01	3.24E+01	3.01E+00	2.24E-01	3.61E+01
1412	494611.06	3858401.99	6.11318	3.04126	27.19	3.93337	4.66E-01	3.25E+01	3.01E+00	2.25E-01	3.62E+01	4.53E-01	1.37E-04	3.01E-01	4.40E-02	7.97E-01	5.08E-01	3.25E+01	3.01E+00	2.25E-01	3.62E+01
1413	494661.06	3858401.99	4.05376	3.04743	27.118	3.94409	3.09E-01	3.25E+01	3.00E+00	2.26E-01	3.61E+01	3.00E-01	1.37E-04	3.00E-01	4.42E-02	6.44E-01	3.37E-01	3.25E+01	3.00E+00	2.26E-01	3.61E+01
1414	494711.06	3858401.99	4.05666	3.05348	27.07	3.95821	3.09E-01	3.26E+01	2.99E+00	2.26E-01	3.61E+01	3.00E-01	1.38E-04	2.99E-01	4.43E-02	6.44E-01	3.37E-01	3.26E+01	2.99E+00	2.26E-01	3.61E+01
1415	494761.06	3858401.99	4.0594	3.0595	26.99	3.96703	3.09E-01	3.27E+01	2.98E+00	2.27E-01	3.62E+01	3.01E-01	1.38E-04	2.98E-01	4.44E-02	6.43E-01	3.37E-01	3.27E+01	2.98E+00	2.27E-01	3.62E+01
1416	494811.06	3858401.99	4.06219	3.06542	26.926	3.97829	3.10E-01	3.27E+01	2.98E+00	2.27E-01	3.62E+01	3.01E-01	1.38E-04	2.98E-01	4.45E-02	6.43E-01	3.37E-01	3.27E+01	2.98E+00	2.27E-01	3.63E+01
1417	494861.06	3858401.99	4.06367	3.07123	26.855	3.98843	3.10E-01	3.28E+01	2.97E+00	2.28E-01	3.63E+01	3.01E-01	1.38E-04	2.97E-01	4.46E-02	6.43E-01	3.37E-01	3.28E+01	2.97E+00	2.28E-01	3.63E+01
1418	494911.06	3858401.99	4.066	3.07693	26.782	3.99827	3.10E-01	3.28E+01	2.96E+00	2.29E-01	3.63E+01	3.01E-01	1.39E-04	2.96E-01	4.48E-02	6.42E-01	3.38E-01	3.28E+01	2.96E+00	2.29E-01	3.64E+01
1419	494961.06	3858401.99	4.06666	3.08262	26.711	4.0083	3.10E-01	3.29E+01	2.95E+00	2.29E-01	3.64E+01	3.01E-01	1.39E-04	2.95E-01	4.49E-02	6.41E-01	3.38E-01	3.29E+01	2.95E+00	2.29E-01	3.64E+01
1420	495011.06	3858401.99	4.06716	3.08823	23.424	4.02036	3.10E-01	3.30E+01	2.59E+00	2.30E-01	3.61E+01	3.01E-01	1.39E-04	2.59E-01	4.50E-02	6.05E-01	3.38E-01	3.30E+01	2.59E+00	2.30E-01	3.61E+01
1421	495061.06	3858401.99	4.06777	3.09379	23.206	4.03002	3.10E-01	3.30E+01	2.57E+00	2.30E-01	3.61E+01	3.01E-01	1.39E-04	2.57E-01	4.51E-02	6.03E-01	3.38E-01	3.30E+01	2.57E+00	2.30E-01	3.62E+01
1422	495111.06	3858401.99	4.06553	3.09926	22.906	4.04644	3.10E-01	3.31E+01	2.53E+00	2.31E-01	3.61E+01	3.01E-01	1.40E-04	2.53E-01	4.53E-02	6.00E-01	3.38E-01	3.31E+01	2.53E+00	2.31E-01	3.62E+01
1423	495161.06	3858401.99	4.06639	3.10452	22.747	4.05058	3.10E-01	3.31E+01	2.51E+00	2.32E-01	3.62E+01	3.01E-01	1.40E-04	2.51E-01	4.53E-02	5.98E-01	3.38E-01	3.31E+01	2.51E+00	2.32E-01	3.62E+01
1424	495211.06	3858401.99	3.38009	3.10962	22.467	4.06472	2.58E-01	3.32E+01	2.48E+00	2.32E-01	3.62E+01	2.50E-01	1.40E-04	2.48E-01	4.55E-02	5.44E-01	2.81E-01	3.32E+01	2.48E+00	2.32E-01	3.62E+01
1425	495261.06	3858401.99	3.40206	3.11462	22.258	4.07279	2.59E-01	3.32E+01	2.46E+00	2.33E-01	3.62E+01	2.52E-01	1.40E-04	2.46E-01	4.56E-02	5.44E-01	2.82E-01	3.32E+01	2.46E+00	2.33E-01	3.62E+01
1426	495311.06	3858401.99	3.42076	3.11956	22.043	4.08111	2.61E-01	3.33E+01	2.44E+00	2.33E-01	3.62E+01	2.53E-01	1.41E-04	2.44E-01	4.57E-02	5.43E-01	2.84E-01	3.33E+01	2.44E+00	2.33E-01	3.62E+01
1427	495361.06	3858401.99	3.44002	3.12444	21.859	4.08688	2.62E-01	3.33E+01	2.42E+00	2.34E-01	3.63E+01	2.55E-01	1.41E-04	2.42E-01	4.57E-02	5.42E-01	2.86E-01	3.33E+01	2.42E+00	2.34E-01	3.63E+01
1428	495411.06	3858401.99	3.45903	3.1293	21.706	4.09017	2.64E-01	3.34E+01	2.40E+00	2.34E-01	3.63E+01	2.56E-01	1.41E-04	2.40E-01	4.58E-02	5.42E-01	2.87E-01	3.34E+01	2.40E+00	2.34E-01	3.63E+01
1429	495461.06	3858401.99	3.47574	3.13413	21.564	4.09242	2.65E-01	3.34E+01	2.38E+00	2.34E-01	3.63E+01	2.57E-01	1.41E-04	2.38E-01	4.58E-02	5.42E-01	2.89E-01	3.34E+01	2.38E+00	2.34E-01	3.64E+01
1430	495511.06	3858401.99	3.49235	3.13883	21.413	4.0953	2.66E-01	3.35E+01	2.37E+00	2.34E-01	3.64E+01	2.59E-01	1.41E-04	2.37E-01	4.58E-02	5.41E-01	2.90E-01	3.35E+01	2.37E+00	2.34E-01	3.64E+01
1431	495561.06	3858401.99	3.50915	3.14332	21.278	4.09657	2.67E-01	3.35E+01	2.35E+00	2.34E-01	3.64E+01	2.60E-01	1.42E-04	2.35E-01	4.59E-02	5.41E-01	2.91E-01	3.35E+01	2.35E+00	2.34E-01	3.64E+01
1432	495611.06	3858401.99	3.52379	3.14768	21.136	4.09862	2.69E-01	3.36E+01	2.34E+00	2.34E-01	3.64E+01	2.61E-01	1.42E-04	2.34E-01	4.59E-02	5.41E-01	2.93E-01	3.36E+01	2.34E+00	2.34E-01	3.65E+01
1433	495661.06	3858401.99	3.538	3.15194	20.992	4.10106	2.70E-01	3.36E+01	2.32E+00	2.35E-01	3.65E+01	2.62E-01	1.42E-04	2.32E-01	4.59E-02	5.40E-01	2.94E-01	3.36E+01	2.32E+00	2.35E-01	3.65E+01
1434	494311.06	3858451.99	5.22181	3.13919	27.071	3.93435	3.98E-01	3.35E+01	2.99E+00	2.25E-01	3.71E+01	3.87E-01	1.42E-04	2.99E-01	4.40E-02	7.30E-01	4.34E-01	3.35E+01	2.99E+00	2.25E-01	3.72E+01
1435	494361.06	3858451.99	5.30774	3.14511	27.027	3.94787	4.05E-01	3.36E+01	2.99E+00	2.26E-01	3.72E+01	3.93E-01	1.42E-04	2.99E-01	4.42E-02	7.36E-01	4.41E-01	3.36E+01	2.99E+00	2.26E-01	3.72E+01
1436	494411.06	3858451.99	5.39369	3.15093	26.975	3.95979	4.11E-01	3.36E+01	2.98E+00	2.26E-01	3.72E+01	3.99E-01	1.42E-04	2.98E-01	4.43E-02	7.42E-01	4.48E-01	3.36E+01	2.98E+00	2.26E-01	3.73E+01
1437	494461.06	3858451.99	5.47848	3.15662	26.919	3.97056	4.18E-01	3.37E+01	2.98E+00	2.27E-01	3.73E+01	4.06E-01	1.42E-04	2.98E-01	4.44E-02	7.48E-01	4.55E-01	3.37E+01	2.98E+00	2.27E-01	3.73E+01
1438	494511.06	3858451.99	5.55846	3.16216	26.851	3.97846	4.24E-01	3.37E+01	2.97E+00	2.28E-01	3.74E+01	4.12E-01	1.43E-04	2.97E-01	4.45E-02	7.53E-01	4.61E-01	3.37E+01	2.97E+00	2.28E-01	3.74E+01
1439	494561.06	3858451.99	5.63817	3.16765	26.801	3.99069	4.30E-01	3.38E+01	2.96E+00	2.28E-01	3.74E+01	4.17E-01	1.43E-04	2.96E-01	4.47E-02	7.59E-01	4.68E-01	3.38E+01	2.96E+00	2.28E-01	3.75E+01
1440	494611.06	3858451.99	5.71578	3.17309	26.742	4.00058	4.36E-01	3.39E+01	2.96E+00	2.29E-01	3.75E+01	4.23E-01	1.43E-04	2.96E-01	4.48E-02	7.64E-01	4.75E-01	3.39E+01	2.96E+00	2.29E-01	3.75E+01
1441	494661.06	3858451.99	5.78752	3.17842	26.684	4.0108	4.41E-01	3.39E+01	2.95E+00	2.29E-01	3.75E+01	4.28E-01	1.43E-04	2.95E-01	4.49E-02	7.69E-01	4.80E-01	3.39E+01	2.95E+00	2.29E-01	3.76E+01
1442	494711.06	3858451.99	5.86116	3.18359	26.636	4.02284	4.47E-01	3.40E+01	2.94E+00	2.30E-01	3.76E+01	4.34E-01	1.44E-04	2.94E-01	4.50E-02	7.74E-01	4.87E-01	3.40E+01	2.94E+00	2.30E-01	3.76E+01
1443	494761.06	3858451.99	5.93103	3.18861	26.59	4.03484	4.52E-01	3.40E+01	2.94E+00	2.31E-01	3.77E+01	4.39E-01	1.44E-04	2.94E-01	4.52E-02	7.78E-01	4.92E-01	3.40E+01	2.94E+00	2.31E-01	3.77E+01
1444	494811.06	3858451.99	5.99636	3.19356	26.534	4.04475	4.57E-01	3.41E+01	2.93E+00	2.31E-01	3.77E+01	4.44E-01	1.44E-04	2.93E-01	4.53E-02	7.83E-01	4.98E-01	3.41E+01	2.93E+00	2.31E-01	3.77E+01
1445	494861.06	3858451.99	4.04459	3.19851	26.485	4.05546	3.08E-01	3.41E+01	2.93E+00	2.32E-01	3.76E+01	2.99E-01	1.44E-04	2.93E-01	4.54E-02	6.38E-01	3.36E-01	3.41E+01	2.93E+00	2.32E-01	3.76E+01
1446	494911.06	3858451.99	4.04922	3.2033	26.423	4.06376	3.09E-01	3.42E+01	2.92E+00	2.32E-01	3.76E+01	3.00E-01	1.44E-04	2.92E-01	4.55E-02	6.38E-01	3.36E-01	3.42E+01	2.92E+00	2.32E-01	3.77E+01
1447	494961.06	3858451.99	4.05139	3.20793	26.402	4.07873	3.09E-01	3.42E+01	2.92E+00	2.33E-01	3.77E+01	3.00E-01	1.45E-04	2.92E-01	4.57E-02	6.38E-01	3.36E-01	3.42E+01	2.92E+00	2.33E-01	3.77E+01
1448	495011.06	3858451.99	4.05275	3.21239	26.363	4.09076	3.09E-01	3.43E+01	2.91E+00	2.34E-01	3.77E+01	3.00E-01	1.45E-04	2.91E-01	4.58E-02	6.37E-01	3.36E-01	3.43E+01	2.91E+00	2.34E-01	3.78E+01
1449	495061.06	3858451.99	4.05689	3.21674	26.289	4.09697	3.09E-01	3.43E+01	2.91E+00	2.34E-01	3.78E+01	3.00E-01	1.45E-04	2.91E-01	4.59E-02	6.37E-01	3.37E-01	3.43E+01	2.91E+00	2.34E-01	3.78E+01
1450	495111.06	3858451.99	4.05728	3.22103	23.634	4.10834	3.09E-01	3.44E+01	2.61E+00	2.35E-01	3.75E+01	3.00E-01	1.45E-04	2.61E-01	4.60E-02	6.08E-01	3.37E-01	3.44E+01	2.61E+00	2.35E-01	3.76E+01
1451	495161.06	3858451.99	4.05803	3.22524	22.62	4.12088	3.09E-01	3.44E+01	2.50E+00	2.36E-01	3.75E+01	3.00E-01	1.45E-04	2.50E-01	4.61E-02	5.97E-01	3.37E-01	3.44E+01	2.50E+00	2.36E-01	3.75E+01
1452	495211.06	3858451.99	4.05759	3.22939	22.393	4.13209	3.09E-01	3.45E+01	2.48E+00	2.36E-01	3.75E+01	3.00E-01	1.46E-04	2.48E-01	4.63E-02	5.94E-01	3.37E-01	3.45E+01	2.48E+00	2.36E-01	3.75E+01
1453	495261.06	3858451.99	4.059	3.23351	22.207	4.13935	3.09E-01	3.45E+01	2.46E+00	2.37E-01	3.75E+01	3.01E-01	1.46E-04	2.46E-01	4.63E-02	5.93E-01	3.37E-01	3.45E+01	2.46E+00	2.37E-01	3.75E+01
1454	495311.06	3858451.99	4.05956	3.23754	22.035	4.14519	3.09E-01	3.46E+01	2.44E+00	2.37E-01	3.75E+01	3.01E-01	1.46E-04	2.44E-01	4.64E-02	5.91E-01	3.37E-01	3.46E+01	2.44E+00	2.37E-01	3.76E+01
1455	495361.06	3858451.99	3.31438	3.24132	21.875	4.14991	2.53E-01	3.46E+01	2.42E+00	2.37E-01	3.75E+01	2.45E-01	1.46E-04	2.42E-01	4.65E-02	5.34E-01	2.75E-01	3.46E+01	2.42E+00	2.37E-01	3.75E+01
1456	495411.06	3858451.99	3.33625	3.24494	21.744	4.1519	2.54E-01	3.46E+01	2.40E+00	2.37E-01	3.75E+01	2.47E-01	1.46E-04	2.40E-01	4.65E-02	5.34E-01	2.77E-01	3.46E+01	2.40E+00	2.37E-01	3.75E+01
1457	495461.06	3858451.99	3.35913	3.24843	21.62	4.15318	2.56E-01	3.47E+01	2.39E+00	2.37E-01	3.76E+01	2.49E-01	1.46E-04	2.39E-01	4.65E-02	5.34E-01	2.79E-01	3.47E+01	2.39E+00	2.37E-01	3.76E+01
1458	495511.06	3858451.99	3.38045	3.25189	21.451	4.15826	2.58E-01	3.47E+01	2.37E+00	2.38E-01	3.76E+01	2.50E-01	1.47E-04	2.37E-01	4.65E-02	5.34E-01	2.81E-01	3.47E+01	2.37E+00	2.38E-01	3.76E+01
1459	495561.06	3858451.99	3.39993	3.2553	21.354	4.15697	2.59E-01	3.47E+01	2.36E+00	2.38E-01	3.76E+01	2.52E-01	1.47E-04	2.36E-01	4.65E-02	5.34E-01	2.82E-01	3.47E+01	2.36E+00	2.38E-01	3.76E+01
1460	495611.06	3858451.99	3.41949	3.25864	21.171	4.16293	2.61E-01	3.48E+01	2.34E+00	2.38E-01	3.76E+01	2.53E-01	1.47E-04	2.34E-01	4.66E-02	5.34E-01	2.84E-01	3.48E+01	2.34E+00	2.38E-01	3.76E+01

1461	495661.06	3858451.99	3.43883	3.26193	21.058	4.16282	2.62E-01	3.48E+01	2.33E+00	2.38E-01	3.76E+01	2.55E-01	1.47E-04	2.33E-01	4.66E-02	5.34E-01	2.85E-01	3.48E+01	2.33E+00	2.38E-01	3.77E+01
1462	494311.06	3858501.99	4.71522	3.27064	32.982	4.01494	3.59E-01	3.49E+01	3.65E+00	2.30E-01	3.91E+01	3.49E-01	1.47E-04	3.65E-01	4.49E-02	7.59E-01	3.91E-01	3.49E+01	3.65E+00	2.30E-01	3.92E+01
1463	494361.06	3858501.99	4.8108	3.27541	32.451	4.02486	3.67E-01	3.50E+01	3.59E+00	2.30E-01	3.91E+01	3.56E-01	1.48E-04	3.59E-01	4.51E-02	7.60E-01	3.99E-01	3.50E+01	3.59E+00	2.30E-01	3.92E+01
1464	494411.06	3858501.99	4.9059	3.28011	30.457	4.0355	3.74E-01	3.50E+01	3.37E+00	2.31E-01	3.90E+01	3.63E-01	1.48E-04	3.37E-01	4.52E-02	7.45E-01	4.07E-01	3.50E+01	3.37E+00	2.31E-01	3.90E+01
1465	494461.06	3858501.99	4.9987	3.28465	26.941	4.04334	3.81E-01	3.51E+01	2.98E+00	2.31E-01	3.86E+01	3.70E-01	1.48E-04	2.98E-01	4.53E-02	7.13E-01	4.15E-01	3.51E+01	2.98E+00	2.31E-01	3.87E+01
1466	494511.06	3858501.99	5.08986	3.28906	26.196	4.05598	3.88E-01	3.51E+01	2.90E+00	2.32E-01	3.86E+01	3.77E-01	1.48E-04	2.90E-01	4.54E-02	7.12E-01	4.23E-01	3.51E+01	2.90E+00	2.32E-01	3.87E+01
1467	494561.06	3858501.99	5.1812	3.29338	26.13	4.05835	3.95E-01	3.51E+01	2.89E+00	2.32E-01	3.87E+01	3.84E-01	1.48E-04	2.89E-01	4.54E-02	7.18E-01	4.30E-01	3.51E+01	2.89E+00	2.32E-01	3.87E+01
1468	494611.06	3858501.99	5.26555	3.29758	26.094	4.0692	4.01E-01	3.52E+01	2.89E+00	2.33E-01	3.87E+01	3.90E-01	1.49E-04	2.89E-01	4.56E-02	7.24E-01	4.37E-01	3.52E+01	2.89E+00	2.33E-01	3.87E+01
1469	494661.06	3858501.99	5.35284	3.30168	26.047	4.07702	4.08E-01	3.52E+01	2.88E+00	2.33E-01	3.88E+01	3.96E-01	1.49E-04	2.88E-01	4.56E-02	7.30E-01	4.44E-01	3.52E+01	2.88E+00	2.33E-01	3.88E+01
1470	494711.06	3858501.99	5.43412	3.30565	26.015	4.08869	4.14E-01	3.53E+01	2.88E+00	2.34E-01	3.88E+01	4.02E-01	1.49E-04	2.88E-01	4.58E-02	7.36E-01	4.51E-01	3.53E+01	2.88E+00	2.34E-01	3.88E+01
1471	494761.06	3858501.99	5.51187	3.30948	25.988	4.10142	4.20E-01	3.53E+01	2.87E+00	2.35E-01	3.88E+01	4.08E-01	1.49E-04	2.87E-01	4.59E-02	7.41E-01	4.58E-01	3.53E+01	2.87E+00	2.35E-01	3.89E+01
1472	494811.06	3858501.99	5.59071	3.31316	25.957	4.11313	4.26E-01	3.54E+01	2.87E+00	2.35E-01	3.89E+01	4.14E-01	1.49E-04	2.87E-01	4.60E-02	7.47E-01	4.64E-01	3.54E+01	2.87E+00	2.35E-01	3.89E+01
1473	494861.06	3858501.99	5.66561	3.31668	25.914	4.1216	4.32E-01	3.54E+01	2.87E+00	2.36E-01	3.89E+01	4.19E-01	1.50E-04	2.87E-01	4.61E-02	7.52E-01	4.70E-01	3.54E+01	2.87E+00	2.36E-01	3.90E+01
1474	494911.06	3858501.99	5.73616	3.32011	25.903	4.13666	4.37E-01	3.54E+01	2.86E+00	2.37E-01	3.90E+01	4.25E-01	1.50E-04	2.86E-01	4.63E-02	7.58E-01	4.76E-01	3.54E+01	2.86E+00	2.37E-01	3.90E+01
1475	494961.06	3858501.99	4.0232	3.32354	25.86	4.14474	3.07E-01	3.55E+01	2.86E+00	2.37E-01	3.89E+01	2.98E-01	1.50E-04	2.86E-01	4.64E-02	6.30E-01	3.34E-01	3.55E+01	2.86E+00	2.37E-01	3.89E+01
1476	495011.06	3858501.99	4.02702	3.3269	25.845	4.15746	3.07E-01	3.55E+01	2.86E+00	2.38E-01	3.89E+01	2.98E-01	1.50E-04	2.86E-01	4.65E-02	6.31E-01	3.34E-01	3.55E+01	2.86E+00	2.38E-01	3.89E+01
1477	495061.06	3858501.99	4.03442	3.33016	25.79	4.16309	3.08E-01	3.55E+01	2.85E+00	2.38E-01	3.89E+01	2.99E-01	1.50E-04	2.85E-01	4.66E-02	6.31E-01	3.35E-01	3.55E+01	2.85E+00	2.38E-01	3.90E+01
1478	495111.06	3858501.99	4.03525	3.33329	25.79	4.17842	3.08E-01	3.56E+01	2.85E+00	2.39E-01	3.90E+01	2.99E-01	1.50E-04	2.85E-01	4.68E-02	6.31E-01	3.35E-01	3.56E+01	2.85E+00	2.39E-01	3.90E+01
1479	495161.06	3858501.99	4.04006	3.33618	24.899	4.18816	3.08E-01	3.56E+01	2.75E+00	2.39E-01	3.89E+01	2.99E-01	1.50E-04	2.75E-01	4.69E-02	6.21E-01	3.35E-01	3.56E+01	2.75E+00	2.39E-01	3.89E+01
1480	495211.06	3858501.99	4.04152	3.33888	22.01	4.19751	3.08E-01	3.56E+01	2.43E+00	2.40E-01	3.86E+01	2.99E-01	1.51E-04	2.43E-01	4.70E-02	5.90E-01	3.36E-01	3.56E+01	2.43E+00	2.40E-01	3.86E+01
1481	495261.06	3858501.99	4.0456	3.34148	21.853	4.20385	3.08E-01	3.57E+01	2.42E+00	2.40E-01	3.86E+01	3.00E-01	1.51E-04	2.42E-01	4.71E-02	5.88E-01	3.36E-01	3.57E+01	2.42E+00	2.40E-01	3.87E+01
1482	495311.06	3858501.99	4.04868	3.34402	21.725	4.20719	3.09E-01	3.57E+01	2.40E+00	2.41E-01	3.86E+01	3.00E-01	1.51E-04	2.40E-01	4.71E-02	5.87E-01	3.36E-01	3.57E+01	2.40E+00	2.41E-01	3.87E+01
1483	495361.06	3858501.99	4.05192	3.34649	21.599	4.2101	3.09E-01	3.57E+01	2.39E+00	2.41E-01	3.87E+01	3.00E-01	1.51E-04	2.39E-01	4.71E-02	5.86E-01	3.36E-01	3.57E+01	2.39E+00	2.41E-01	3.87E+01
1484	495411.06	3858501.99	4.0549	3.34891	21.486	4.21161	3.09E-01	3.57E+01	2.38E+00	2.41E-01	3.87E+01	3.00E-01	1.51E-04	2.38E-01	4.71E-02	5.85E-01	3.37E-01	3.57E+01	2.38E+00	2.41E-01	3.87E+01
1485	495461.06	3858501.99	4.05734	3.35125	21.373	4.21289	3.09E-01	3.58E+01	2.36E+00	2.41E-01	3.87E+01	3.00E-01	1.51E-04	2.36E-01	4.72E-02	5.84E-01	3.37E-01	3.58E+01	2.36E+00	2.41E-01	3.87E+01
1486	495511.06	3858501.99	4.05926	3.35351	21.247	4.21527	3.09E-01	3.58E+01	2.35E+00	2.41E-01	3.87E+01	3.01E-01	1.51E-04	2.35E-01	4.72E-02	5.83E-01	3.37E-01	3.58E+01	2.35E+00	2.41E-01	3.87E+01
1487	495561.06	3858501.99	4.06128	3.35558	21.162	4.21354	3.10E-01	3.58E+01	2.34E+00	2.41E-01	3.87E+01	3.01E-01	1.51E-04	2.34E-01	4.72E-02	5.82E-01	3.37E-01	3.58E+01	2.34E+00	2.41E-01	3.87E+01
1488	495611.06	3858501.99	4.06377	3.35747	21.066	4.21236	3.10E-01	3.58E+01	2.33E+00	2.41E-01	3.87E+01	3.01E-01	1.51E-04	2.33E-01	4.72E-02	5.81E-01	3.37E-01	3.58E+01	2.33E+00	2.41E-01	3.87E+01
1489	495661.06	3858501.99	4.06219	3.35925	20.915	4.21698	3.10E-01	3.58E+01	2.31E+00	2.41E-01	3.87E+01	3.01E-01	1.51E-04	2.31E-01	4.72E-02	5.79E-01	3.37E-01	3.58E+01	2.31E+00	2.41E-01	3.87E+01
1490	494311.06	3858551.99	4.18064	3.39199	38.142	4.10074	3.19E-01	3.62E+01	4.22E+00	2.34E-01	4.10E+01	3.10E-01	1.53E-04	4.22E-01	4.59E-02	7.77E-01	3.47E-01	3.62E+01	4.22E+00	2.34E-01	4.10E+01
1491	494361.06	3858551.99	4.28751	3.39537	39.164	4.10014	3.27E-01	3.62E+01	4.33E+00	2.34E-01	4.11E+01	3.17E-01	1.53E-04	4.33E-01	4.59E-02	7.96E-01	3.56E-01	3.62E+01	4.33E+00	2.34E-01	4.12E+01
1492	494411.06	3858551.99	4.38801	3.39863	35.653	4.10581	3.34E-01	3.63E+01	3.94E+00	2.35E-01	4.08E+01	3.25E-01	1.53E-04	3.94E-01	4.60E-02	7.65E-01	3.64E-01	3.63E+01	3.94E+00	2.35E-01	4.08E+01
1493	494461.06	3858551.99	4.48898	3.40176	35.376	4.11056	3.42E-01	3.63E+01	3.91E+00	2.35E-01	4.08E+01	3.32E-01	1.53E-04	3.91E-01	4.60E-02	7.70E-01	3.73E-01	3.63E+01	3.91E+00	2.35E-01	4.08E+01
1494	494511.06	3858551.99	4.58993	3.40475	34.599	4.11841	3.50E-01	3.63E+01	3.83E+00	2.36E-01	4.07E+01	3.40E-01	1.53E-04	3.83E-01	4.61E-02	7.69E-01	3.81E-01	3.63E+01	3.83E+00	2.36E-01	4.08E+01
1495	494561.06	3858551.99	4.68716	3.40756	33.991	4.1251	3.57E-01	3.64E+01	3.76E+00	2.36E-01	4.07E+01	3.47E-01	1.54E-04	3.76E-01	4.62E-02	7.69E-01	3.89E-01	3.64E+01	3.76E+00	2.36E-01	4.07E+01
1496	494611.06	3858551.99	4.78168	3.41025	33.192	4.13367	3.64E-01	3.64E+01	3.67E+00	2.36E-01	4.07E+01	3.54E-01	1.54E-04	3.67E-01	4.63E-02	7.67E-01	3.97E-01	3.64E+01	3.67E+00	2.36E-01	4.07E+01
1497	494661.06	3858551.99	4.87471	3.41281	32.567	4.14127	3.72E-01	3.64E+01	3.60E+00	2.37E-01	4.06E+01	3.61E-01	1.54E-04	3.60E-01	4.64E-02	7.67E-01	4.05E-01	3.64E+01	3.60E+00	2.37E-01	4.07E+01
1498	494711.06	3858551.99	4.96456	3.41526	30.416	4.15341	3.78E-01	3.64E+01	3.36E+00	2.38E-01	4.04E+01	3.68E-01	1.54E-04	3.36E-01	4.65E-02	7.50E-01	4.12E-01	3.64E+01	3.36E+00	2.38E-01	4.05E+01
1499	494761.06	3858551.99	5.05359	3.41767	25.193	4.16522	3.85E-01	3.65E+01	2.79E+00	2.38E-01	3.99E+01	3.74E-01	1.54E-04	2.79E-01	4.66E-02	6.99E-01	4.20E-01	3.65E+01	2.79E+00	2.38E-01	3.99E+01
1500	494811.06	3858551.99	5.13853	3.41995	25.172	4.17445	3.92E-01	3.65E+01	2.78E+00	2.39E-01	3.99E+01	3.80E-01	1.54E-04	2.78E-01	4.67E-02	7.06E-01	4.27E-01	3.65E+01	2.78E+00	2.39E-01	3.99E+01
1501	494861.06	3858551.99	5.22301	3.42213	25.158	4.18586	3.98E-01	3.65E+01	2.78E+00	2.39E-01	3.99E+01	3.87E-01	1.54E-04	2.78E-01	4.69E-02	7.12E-01	4.34E-01	3.65E+01	2.78E+00	2.39E-01	4.00E+01
1502	494911.06	3858551.99	5.30571	3.42411	25.15	4.19859	4.04E-01	3.65E+01	2.78E+00	2.40E-01	4.00E+01	3.93E-01	1.54E-04	2.78E-01	4.70E-02	7.18E-01	4.40E-01	3.65E+01	2.78E+00	2.40E-01	4.00E+01
1503	494961.06	3858551.99	5.38488	3.42593	25.133	4.20856	4.10E-01	3.66E+01	2.78E+00	2.41E-01	4.00E+01	3.99E-01	1.54E-04	2.78E-01	4.71E-02	7.24E-01	4.47E-01	3.66E+01	2.78E+00	2.41E-01	4.00E+01
1504	495011.06	3858551.99	5.46357	3.42761	25.13	4.22116	4.16E-01	3.66E+01	2.78E+00	2.41E-01	4.00E+01	4.04E-01	1.55E-04	2.78E-01	4.73E-02	7.30E-01	4.54E-01	3.66E+01	2.78E+00	2.41E-01	4.01E+01
1505	495061.06	3858551.99	3.99427	3.42922	25.105	4.22856	3.04E-01	3.66E+01	2.78E+00	2.42E-01	3.99E+01	2.96E-01	1.55E-04	2.78E-01	4.73E-02	6.21E-01	3.32E-01	3.66E+01	2.78E+00	2.42E-01	3.99E+01
1506	495111.06	3858551.99	3.99991	3.43077	25.119	4.24317	3.05E-01	3.66E+01	2.78E+00	2.43E-01	3.99E+01	2.96E-01	1.55E-04	2.78E-01	4.75E-02	6.21E-01	3.32E-01	3.66E+01	2.78E+00	2.43E-01	4.00E+01
1507	495161.06	3858551.99	4.00786	3.43223	25.105	4.2523	3.05E-01	3.66E+01	2.78E+00	2.43E-01	4.00E+01	2.97E-01	1.55E-04	2.78E-01	4.76E-02	6.22E-01	3.33E-01	3.66E+01	2.78E+00	2.43E-01	4.00E+01
1508	495211.06	3858551.99	4.0134	3.4336	25.084	4.26002	3.06E-01	3.66E+01	2.77E+00	2.44E-01	4.00E+01	2.97E-01	1.55E-04	2.77E-01	4.77E-02	6.22E-01	3.33E-01	3.66E+01	2.77E+00	2.44E-01	4.00E+01
1509	495261.06	3858551.99	4.02022	3.43487	25.046	4.26488	3.06E-01	3.67E+01	2.77E+00	2.44E-01	4.00E+01	2.98E-01	1.55E-04	2.77E-01	4.77E-02	6.22E-01	3.34E-01	3.67E+01	2.77E+00	2.44E-01	4.00E+01
1510	495311.06	3858551.99	4.02656	3.43605	24.993	4.26649	3.07E-01	3.67E+01	2.76E+00	2.44E-01	4.00E+01	2.98E-01	1.55E-04	2.76E-01	4.78E-02	6.22E-01	3.34E-01	3.67E+01	2.76E+00	2.44E-01	4.00E+01
1511	495361.06	3858551.99	4.03245	3.43708	24.941	4.26857	3.07E-01	3.67E+01	2.76E+00	2.44E-01	4.00E+01	2.99E-01	1.55E-04	2.76E-01	4.78E-02	6.22E-01	3.35E-01	3.67E+01	2.76E+00	2.44E-01	4.00E+01
1512	495411.06	3858551.99	4.038	3.43788	24.879	4.2685	3.08E-01	3.67E+01	2.75E+00	2.44E-01	4.00E+01	2.99E-01	1.55E-04	2.75E-01	4.78E-02	6.22E-01	3.35E-01	3.67E+01	2.75E+00	2.44E-01	4.00E+01
1513	495461.06	3858551.99	4.04261	3.43857	24.823	4.26956	3.08E-01	3.67E+01	2.74E+00	2.44E-01	4.00E+01	2.99E-01	1.55E-04	2.74E-01	4.78E-02	6.22E-01	3.36E-01	3.67E+01	2.74E+00	2.44E-01	4.00E+01
1514	495511.06	3858551.99	4.04722	3.43918	24.758	4.26896	3.08E-01	3.67E+01	2.74E+00	2.44E-01	4.00E+01	3.00E-01	1.55E-04	2.74E-01	4.78E-02	6.21E-01	3.36E-01	3.67E+01	2.74E+00	2.44E-01	4.00E+01
1515	495561.06	3858551.99	4.05096	3.43974	24.701	4.26972	3.09E-01	3.67E+01	2.73E+00	2.44E-01	4.00E+01	3.00E-01	1.55E-04	2.73E-01	4.78E-02	6.21E-01	3.36E-01	3.67E+01	2.73E+00	2.44E-01	4.00E+01
1516	495611.06	3858551.99	4.05394	3.44022	23.827	4.27108	3.09E-01	3.67E+01	2.63E+00	2.44E-01	3.99E+01	3.00E-01	1.55E-04	2.63E-01	4.78E-02	6.12E-01	3.37E-01	3.67E+01	2.63E+00	2.44E-01	3.99E+01
1517	495661.06	3858551.99	4.05606	3.44063	22.15	4.27275	3.09E-01	3.67E+01	2.45E+00	2.44E-01	3.97E+01	3.00E-01	1.55E-04	2.45E-01	4.78E-02	5.93E-01	3.37E-01	3.67E+01	2.45E+00	2.44E-01	3.97E+01
1518	494311.06	3858601.99	3.62493	3.49829	24.394	4.22219	2.76E-01	3.73E+01	2.70E+00	2.41E-01	4.05E+01	2.68E-01	1.58E-04	2.70E-01	4.73E-02	5.85E-01	3.01E-01	3.73E+01	2.70E+00	2.41E-01	4.06E+01
1519	494361.06	3858601.99	3.74517	3.49994	42.94	4.18407	2.85E-01	3.74E+01	4.75E+00	2.39E-01	4.26E+01	2.77E-01	1.58E-04	4.75E-01	4.68E-02	7.99E-01	3.11E-01	3.74E+01	4.75E+00	2.39E-01	4.26E+01
1520	494411.06	3858601.99	3.85777	3.50145	43.168	4.17	2.94E-01	3.74E+01	4.77E+00	2.38E-01	4.27E+01	2.86E-01	1.58E-04	4.77E-01	4.67E-02	8.10E-01	3.20E-01	3.74E+01	4.77E+00	2.38E-01	4.27E+01
1521	494461.06	3858601.99	3.9627	3.50286	42.887	4.17452	3.02E-01	3.74E+01	4.74E+00	2.39E-01	4.27E+01	2.93E-01	1.58E-04	4.74E-01	4.67E-02	8.14E-01	3.29E-01	3.74E+01	4.74E+00	2.39E-01	4.27E+01

1522	494511.06	3858601.99	4.06524	3.50418	43.661	4.18102	3.10E-01	3.74E+01	4.83E+00	2.39E-01	4.28E+01	3.01E-01	1.58E-04	4.83E-01	4.68E-02	8.31E-01	3.38E-01	3.74E+01	4.83E+00	2.39E-01	4.28E+01
1523	494561.06	3858601.99	4.16972	3.50543	41.189	4.1864	3.18E-01	3.74E+01	4.55E+00	2.39E-01	4.25E+01	3.09E-01	1.58E-04	4.55E-01	4.69E-02	8.11E-01	3.46E-01	3.74E+01	4.55E+00	2.39E-01	4.25E+01
1524	494611.06	3858601.99	4.27036	3.50652	39.023	4.19664	3.25E-01	3.74E+01	4.31E+00	2.40E-01	4.23E+01	3.16E-01	1.58E-04	4.31E-01	4.70E-02	7.95E-01	3.55E-01	3.74E+01	4.31E+00	2.40E-01	4.23E+01
1525	494661.06	3858601.99	4.36809	3.50746	37.68	4.20426	3.33E-01	3.74E+01	4.17E+00	2.40E-01	4.22E+01	3.23E-01	1.58E-04	4.17E-01	4.71E-02	7.87E-01	3.63E-01	3.74E+01	4.17E+00	2.40E-01	4.22E+01
1526	494711.06	3858601.99	4.46364	3.50825	35.756	4.21506	3.40E-01	3.74E+01	3.95E+00	2.41E-01	4.20E+01	3.30E-01	1.58E-04	3.95E-01	4.72E-02	7.73E-01	3.71E-01	3.74E+01	3.95E+00	2.41E-01	4.20E+01
1527	494761.06	3858601.99	4.55966	3.50891	34.272	4.22559	3.48E-01	3.74E+01	3.79E+00	2.42E-01	4.18E+01	3.38E-01	1.58E-04	3.79E-01	4.73E-02	7.64E-01	3.79E-01	3.74E+01	3.79E+00	2.42E-01	4.19E+01
1528	494811.06	3858601.99	4.65272	3.50947	33.122	4.24071	3.55E-01	3.75E+01	3.66E+00	2.42E-01	4.17E+01	3.44E-01	1.58E-04	3.66E-01	4.75E-02	7.58E-01	3.86E-01	3.75E+01	3.66E+00	2.42E-01	4.17E+01
1529	494861.06	3858601.99	4.74461	3.50996	27.783	4.24878	3.62E-01	3.75E+01	3.07E+00	2.43E-01	4.11E+01	3.51E-01	1.58E-04	3.07E-01	4.76E-02	7.06E-01	3.94E-01	3.75E+01	3.07E+00	2.43E-01	4.12E+01
1530	494911.06	3858601.99	4.8323	3.5103	24.25	4.26251	3.68E-01	3.75E+01	2.68E+00	2.44E-01	4.08E+01	3.58E-01	1.58E-04	2.68E-01	4.77E-02	6.74E-01	4.01E-01	3.75E+01	2.68E+00	2.44E-01	4.08E+01
1531	494961.06	3858601.99	4.92279	3.51055	24.249	4.2719	3.75E-01	3.75E+01	2.68E+00	2.44E-01	4.08E+01	3.64E-01	1.58E-04	2.68E-01	4.78E-02	6.81E-01	4.09E-01	3.75E+01	2.68E+00	2.44E-01	4.08E+01
1532	495011.06	3858601.99	5.0089	3.5107	24.25	4.28152	3.82E-01	3.75E+01	2.68E+00	2.45E-01	4.08E+01	3.71E-01	1.58E-04	2.68E-01	4.79E-02	6.87E-01	4.16E-01	3.75E+01	2.68E+00	2.45E-01	4.08E+01
1533	495061.06	3858601.99	5.0912	3.51074	24.253	4.29142	3.88E-01	3.75E+01	2.68E+00	2.45E-01	4.08E+01	3.77E-01	1.58E-04	2.68E-01	4.80E-02	6.93E-01	4.23E-01	3.75E+01	2.68E+00	2.45E-01	4.08E+01
1534	495111.06	3858601.99	3.94366	3.5107	24.279	4.30638	3.01E-01	3.75E+01	2.68E+00	2.46E-01	4.07E+01	2.92E-01	1.58E-04	2.68E-01	4.82E-02	6.09E-01	3.27E-01	3.75E+01	2.68E+00	2.46E-01	4.07E+01
1535	495161.06	3858601.99	3.95583	3.51045	24.275	4.31354	3.02E-01	3.75E+01	2.68E+00	2.47E-01	4.07E+01	2.93E-01	1.58E-04	2.68E-01	4.83E-02	6.10E-01	3.28E-01	3.75E+01	2.68E+00	2.47E-01	4.07E+01
1536	495211.06	3858601.99	3.96792	3.51006	24.257	4.31741	3.02E-01	3.75E+01	2.68E+00	2.47E-01	4.07E+01	2.94E-01	1.58E-04	2.68E-01	4.83E-02	6.10E-01	3.29E-01	3.75E+01	2.68E+00	2.47E-01	4.07E+01
1537	495261.06	3858601.99	3.97776	3.5096	24.242	4.32195	3.03E-01	3.75E+01	2.68E+00	2.47E-01	4.07E+01	2.94E-01	1.58E-04	2.68E-01	4.84E-02	6.11E-01	3.30E-01	3.75E+01	2.68E+00	2.47E-01	4.07E+01
1538	495311.06	3858601.99	3.98801	3.50905	24.216	4.32449	3.04E-01	3.74E+01	2.68E+00	2.47E-01	4.07E+01	2.95E-01	1.58E-04	2.68E-01	4.84E-02	6.12E-01	3.31E-01	3.74E+01	2.68E+00	2.47E-01	4.07E+01
1539	495361.06	3858601.99	3.99732	3.50842	24.179	4.32477	3.05E-01	3.74E+01	2.67E+00	2.47E-01	4.07E+01	2.96E-01	1.58E-04	2.67E-01	4.84E-02	6.12E-01	3.32E-01	3.74E+01	2.67E+00	2.47E-01	4.07E+01
1540	495411.06	3858601.99	4.0065	3.5077	24.14	4.32488	3.05E-01	3.74E+01	2.67E+00	2.47E-01	4.07E+01	2.97E-01	1.58E-04	2.67E-01	4.84E-02	6.12E-01	3.33E-01	3.74E+01	2.67E+00	2.47E-01	4.07E+01
1541	495461.06	3858601.99	4.01451	3.50692	24.098	4.32426	3.06E-01	3.74E+01	2.66E+00	2.47E-01	4.06E+01	2.97E-01	1.58E-04	2.66E-01	4.84E-02	6.12E-01	3.33E-01	3.74E+01	2.66E+00	2.47E-01	4.07E+01
1542	495511.06	3858601.99	4.02123	3.50608	24.068	4.32625	3.07E-01	3.74E+01	2.66E+00	2.47E-01	4.06E+01	2.98E-01	1.58E-04	2.66E-01	4.84E-02	6.12E-01	3.34E-01	3.74E+01	2.66E+00	2.47E-01	4.07E+01
1543	495561.06	3858601.99	4.0283	3.50512	24.018	4.32411	3.07E-01	3.74E+01	2.66E+00	2.47E-01	4.06E+01	2.98E-01	1.58E-04	2.66E-01	4.84E-02	6.12E-01	3.34E-01	3.74E+01	2.66E+00	2.47E-01	4.06E+01
1544	495611.06	3858601.99	4.03317	3.50397	23.99	4.32664	3.07E-01	3.74E+01	2.65E+00	2.47E-01	4.06E+01	2.99E-01	1.58E-04	2.65E-01	4.84E-02	6.12E-01	3.35E-01	3.74E+01	2.65E+00	2.47E-01	4.06E+01
1545	495661.06	3858601.99	4.03879	3.50271	23.942	4.32498	3.08E-01	3.74E+01	2.65E+00	2.47E-01	4.06E+01	2.99E-01	1.58E-04	2.65E-01	4.84E-02	6.12E-01	3.35E-01	3.74E+01	2.65E+00	2.47E-01	4.06E+01
1546	494311.06	3858651.99	3.30363	3.58482	23.628	4.30781	2.52E-01	3.83E+01	2.61E+00	2.46E-01	4.14E+01	2.45E-01	1.62E-04	2.61E-01	4.82E-02	5.54E-01	2.74E-01	3.83E+01	2.61E+00	2.46E-01	4.14E+01
1547	494361.06	3858651.99	3.35612	3.58466	44.886	4.26813	2.56E-01	3.83E+01	4.96E+00	2.44E-01	4.37E+01	2.48E-01	1.62E-04	4.96E-01	4.78E-02	7.93E-01	2.79E-01	3.83E+01	4.96E+00	2.44E-01	4.37E+01
1548	494411.06	3858651.99	4.16797	3.58436	64.088	4.23402	3.18E-01	3.83E+01	7.09E+00	2.42E-01	4.59E+01	3.09E-01	1.62E-04	7.09E-01	4.74E-02	1.06E+00	3.46E-01	3.83E+01	7.09E+00	2.42E-01	4.59E+01
1549	494461.06	3858651.99	4.31527	3.58392	51.945	4.23841	3.29E-01	3.82E+01	5.74E+00	2.42E-01	4.46E+01	3.19E-01	1.62E-04	5.74E-01	4.74E-02	9.41E-01	3.58E-01	3.82E+01	5.74E+00	2.42E-01	4.46E+01
1550	494511.06	3858651.99	4.27044	3.58336	50.401	4.24503	3.25E-01	3.82E+01	5.57E+00	2.43E-01	4.44E+01	3.16E-01	1.62E-04	5.57E-01	4.75E-02	9.21E-01	3.55E-01	3.82E+01	5.57E+00	2.43E-01	4.44E+01
1551	494561.06	3858651.99	4.27041	3.5827	49.685	4.24949	3.25E-01	3.82E+01	5.49E+00	2.43E-01	4.43E+01	3.16E-01	1.62E-04	5.49E-01	4.76E-02	9.13E-01	3.55E-01	3.82E+01	5.49E+00	2.43E-01	4.43E+01
1552	494611.06	3858651.99	4.2261	3.58196	48.235	4.25546	3.22E-01	3.82E+01	5.33E+00	2.43E-01	4.41E+01	3.13E-01	1.61E-04	5.33E-01	4.76E-02	8.94E-01	3.51E-01	3.82E+01	5.33E+00	2.43E-01	4.42E+01
1553	494661.06	3858651.99	4.10727	3.58109	45.652	4.26413	3.13E-01	3.82E+01	5.05E+00	2.44E-01	4.38E+01	3.04E-01	1.61E-04	5.05E-01	4.77E-02	8.57E-01	3.41E-01	3.82E+01	5.05E+00	2.44E-01	4.38E+01
1554	494711.06	3858651.99	3.94754	3.58009	42.185	4.27562	3.01E-01	3.82E+01	4.66E+00	2.44E-01	4.34E+01	2.92E-01	1.61E-04	4.66E-01	4.79E-02	8.07E-01	3.28E-01	3.82E+01	4.66E+00	2.44E-01	4.34E+01
1555	494761.06	3858651.99	4.04596	3.57901	39.883	4.28444	3.08E-01	3.82E+01	4.41E+00	2.45E-01	4.32E+01	3.00E-01	1.61E-04	4.41E-01	4.80E-02	7.89E-01	3.36E-01	3.82E+01	4.41E+00	2.45E-01	4.32E+01
1556	494811.06	3858651.99	4.14462	3.57784	36.894	4.29724	3.16E-01	3.82E+01	4.08E+00	2.46E-01	4.28E+01	3.07E-01	1.61E-04	4.08E-01	4.81E-02	7.63E-01	3.44E-01	3.82E+01	4.08E+00	2.46E-01	4.29E+01
1557	494861.06	3858651.99	4.24215	3.57656	34.954	4.30877	3.23E-01	3.82E+01	3.86E+00	2.46E-01	4.26E+01	3.14E-01	1.61E-04	3.86E-01	4.82E-02	7.49E-01	3.52E-01	3.82E+01	3.86E+00	2.46E-01	4.26E+01
1558	494911.06	3858651.99	4.33598	3.57517	33.846	4.32142	3.30E-01	3.82E+01	3.74E+00	2.47E-01	4.25E+01	3.21E-01	1.61E-04	3.74E-01	4.84E-02	7.44E-01	3.60E-01	3.82E+01	3.74E+00	2.47E-01	4.25E+01
1559	494961.06	3858651.99	4.42863	3.5737	24.682	4.33255	3.38E-01	3.81E+01	2.73E+00	2.48E-01	4.15E+01	3.28E-01	1.61E-04	2.73E-01	4.85E-02	6.49E-01	3.68E-01	3.81E+01	2.73E+00	2.48E-01	4.15E+01
1560	495011.06	3858651.99	4.5221	3.57208	23.235	4.34066	3.45E-01	3.81E+01	2.57E+00	2.48E-01	4.13E+01	3.35E-01	1.61E-04	2.57E-01	4.86E-02	6.40E-01	3.75E-01	3.81E+01	2.57E+00	2.48E-01	4.13E+01
1561	495061.06	3858651.99	4.61511	3.57036	23.252	4.3499	3.52E-01	3.81E+01	2.57E+00	2.49E-01	4.13E+01	3.42E-01	1.61E-04	2.57E-01	4.87E-02	6.48E-01	3.83E-01	3.81E+01	2.57E+00	2.49E-01	4.13E+01
1562	495111.06	3858651.99	4.70324	3.56853	23.276	4.36089	3.58E-01	3.81E+01	2.57E+00	2.49E-01	4.13E+01	3.48E-01	1.61E-04	2.57E-01	4.88E-02	6.55E-01	3.90E-01	3.81E+01	2.57E+00	2.49E-01	4.13E+01
1563	495161.06	3858651.99	4.79163	3.56657	23.284	4.36688	3.65E-01	3.81E+01	2.57E+00	2.50E-01	4.13E+01	3.55E-01	1.61E-04	2.57E-01	4.89E-02	6.61E-01	3.98E-01	3.81E+01	2.57E+00	2.50E-01	4.13E+01
1564	495211.06	3858651.99	4.88032	3.56455	23.298	4.37422	3.72E-01	3.80E+01	2.58E+00	2.50E-01	4.12E+01	3.61E-01	1.61E-04	2.58E-01	4.90E-02	6.68E-01	4.05E-01	3.80E+01	2.58E+00	2.50E-01	4.13E+01
1565	495261.06	3858651.99	4.96802	3.56246	23.284	4.37428	3.79E-01	3.80E+01	2.57E+00	2.50E-01	4.12E+01	3.68E-01	1.61E-04	2.57E-01	4.90E-02	6.74E-01	4.12E-01	3.80E+01	2.57E+00	2.50E-01	4.13E+01
1566	495311.06	3858651.99	5.05183	3.56032	23.277	4.37633	3.85E-01	3.80E+01	2.57E+00	2.50E-01	4.12E+01	3.74E-01	1.60E-04	2.57E-01	4.90E-02	6.81E-01	4.19E-01	3.80E+01	2.57E+00	2.50E-01	4.12E+01
1567	495361.06	3858651.99	3.94303	3.55806	23.26	4.37611	3.01E-01	3.80E+01	2.57E+00	2.50E-01	4.11E+01	2.92E-01	1.60E-04	2.57E-01	4.90E-02	5.98E-01	3.27E-01	3.80E+01	2.57E+00	2.50E-01	4.11E+01
1568	495411.06	3858651.99	5.22161	3.55563	23.238	4.37467	3.98E-01	3.79E+01	2.57E+00	2.50E-01	4.12E+01	3.87E-01	1.60E-04	2.57E-01	4.90E-02	6.93E-01	4.34E-01	3.79E+01	2.57E+00	2.50E-01	4.12E+01
1569	495461.06	3858651.99	5.30255	3.55311	23.209	4.37179	4.04E-01	3.79E+01	2.57E+00	2.50E-01	4.11E+01	3.93E-01	1.60E-04	2.57E-01	4.89E-02	6.98E-01	4.40E-01	3.79E+01	2.57E+00	2.50E-01	4.12E+01
1570	495511.06	3858651.99	3.98044	3.55054	23.199	4.37386	3.03E-01	3.79E+01	2.56E+00	2.50E-01	4.10E+01	2.95E-01	1.60E-04	2.56E-01	4.90E-02	6.00E-01	3.30E-01	3.79E+01	2.56E+00	2.50E-01	4.10E+01
1571	495561.06	3858651.99	3.99015	3.54791	23.182	4.3742	3.04E-01	3.79E+01	2.56E+00	2.50E-01	4.10E+01	2.95E-01	1.60E-04	2.56E-01	4.90E-02	6.01E-01	3.31E-01	3.79E+01	2.56E+00	2.50E-01	4.10E+01
1572	495611.06	3858651.99	3.9986	3.54522	23.174	4.37677	3.05E-01	3.78E+01	2.56E+00	2.50E-01	4.10E+01	2.96E-01	1.60E-04	2.56E-01	4.90E-02	6.01E-01	3.32E-01	3.78E+01	2.56E+00	2.50E-01	4.10E+01
1573	495661.06	3858651.99	4.0071	3.54242	23.145	4.37459	3.05E-01	3.78E+01	2.56E+00	2.50E-01	4.09E+01	2.97E-01	1.60E-04	2.56E-01	4.90E-02	6.02E-01	3.33E-01	3.78E+01	2.56E+00	2.50E-01	4.09E+01
1574	494311.06	3858701.99	3.29655	3.64688	37.273	4.37332	2.51E-01	3.89E+01	4.12E+00	2.50E-01	4.35E+01	2.44E-01	1.64E-04	4.12E-01	4.90E-02	7.05E-01	2.74E-01	3.89E+01	4.12E+00	2.50E-01	4.36E+01
1575	494361.06	3858701.99	3.94005	3.6448	60.112	4.32005	3.00E-01	3.89E+01	6.65E+00	2.47E-01	4.61E+01	2.92E-01	1.64E-04	6.65E-01	4.84E-02	1.00E+00	3.27E-01	3.89E+01	6.65E+00	2.47E-01	4.61E+01
1576	494411.06	3858701.99	4.64291	3.64264	78.898	4.29624	3.54E-01	3.89E+01	8.72E+00	2.46E-01	4.82E+01	3.44E-01	1.64E-04	8.72E-01	4.81E-02	1.26E+00	3.85E-01	3.89E+01	8.72E+00	2.46E-01	4.82E+01
1577	494461.06	3858701.99	4.72433	3.64034	80.235	4.29747	3.60E-01	3.88E+01	8.87E+00	2.46E-01	4.83E+01	3.50E-01	1.64E-04	8.87E-01	4.81E-02	1.29E+00	3.92E-01	3.88E+01	8.87E+00	2.46E-01	4.84E+01
1578	494511.06	3858701.99	4.77704	3.63793	60.358	4.30439	3.64E-01	3.88E+01	6.67E+00	2.46E-01	4.61E+01	3.54E-01	1.64E-04	6.67E-01	4.82E-02	1.07E+00	3.97E-01	3.88E+01	6.67E+00	2.46E-01	4.61E+01
1579	494561.06	3858701.99	4.73794	3.63545	58.902	4.30957	3.61E-01	3.88E+01	6.51E+00	2.46E-01	4.59E+01	3.51E-01	1.64E-04	6.51E-01	4.82E-02	1.05E+00	3.93E-01	3.88E+01	6.51E+00	2.46E-01	4.59E+01
1580	494611.06	3858701.99	4.47451	3.63287	53.397	4.32307	3.41E-01	3.88E+01	5.90E+00	2.47E-01	4.53E+01	3.31E-01	1.64E-04	5.90E-01	4.84E-02	9.70E-01	3.71E-01	3.88E+01	5.90E+00	2.47E-01	4.53E+01
1581	494661.06	3858701.99	4.53033	3.63018	53.714	4.32399	3.45E-01	3.87E+01	5.94E+00	2.47E-01	4.53E+01	3.35E-01	1.64E-04	5.94E-01	4.84E-02	9.78E-01	3.76E-01	3.87E+01	5.94E+00	2.47E-01	4.53E+01
1582	494711.06	3858701.99	3.88829	3.6274	42.797	4.35231	2.96E-01	3.87E+01	4.73E+00	2.49E-01	4.40E+01	2.88E-01	1.64E-04	4.73E-01	4.87E-02	8.10E-01	3.23E-01	3.87E+01	4.73E+00	2.49E-01	4.40E+01

1583	494761.06	3858701.99	4.10794	3.62448	45.399	4.34577	3.13E-01	3.87E+01	5.02E+00	2.49E-01	4.43E+01	3.04E-01	1.63E-04	5.02E-01	4.86E-02	8.55E-01	3.41E-01	3.87E+01	5.02E+00	2.49E-01	4.43E+01
1584	494811.06	3858701.99	14.6987	3.62144	41.355	4.35791	1.12E+00	3.86E+01	4.57E+00	2.49E-01	4.46E+01	1.09E+00	1.63E-04	4.57E-01	4.88E-02	1.59E+00	1.22E+00	3.86E+01	4.57E+00	2.49E-01	4.47E+01
1585	494861.06	3858701.99	3.72594	3.61832	38.722	4.36718	2.84E-01	3.86E+01	4.28E+00	2.50E-01	4.34E+01	2.76E-01	1.63E-04	4.28E-01	4.89E-02	7.53E-01	3.09E-01	3.86E+01	4.28E+00	2.50E-01	4.35E+01
1586	494911.06	3858701.99	3.82601	3.61512	36.866	4.37482	2.92E-01	3.86E+01	4.08E+00	2.50E-01	4.32E+01	2.83E-01	1.63E-04	4.08E-01	4.90E-02	7.40E-01	3.18E-01	3.86E+01	4.08E+00	2.50E-01	4.32E+01
1587	494961.06	3858701.99	3.92084	3.61185	34.489	4.39149	2.99E-01	3.85E+01	3.81E+00	2.51E-01	4.29E+01	2.90E-01	1.63E-04	3.81E-01	4.92E-02	7.21E-01	3.26E-01	3.85E+01	3.81E+00	2.51E-01	4.29E+01
1588	495011.06	3858701.99	4.0163	3.6085	28.859	4.40106	3.06E-01	3.85E+01	3.19E+00	2.52E-01	4.23E+01	2.97E-01	1.63E-04	3.19E-01	4.93E-02	6.66E-01	3.33E-01	3.85E+01	3.19E+00	2.52E-01	4.23E+01
1589	495061.06	3858701.99	4.1151	3.60514	24.981	4.40385	3.14E-01	3.85E+01	2.76E+00	2.52E-01	4.18E+01	3.05E-01	1.63E-04	2.76E-01	4.93E-02	6.30E-01	3.42E-01	3.85E+01	2.76E+00	2.52E-01	4.18E+01
1590	495111.06	3858701.99	4.20975	3.60173	22.169	4.41498	3.21E-01	3.84E+01	2.45E+00	2.52E-01	4.15E+01	3.12E-01	1.62E-04	2.45E-01	4.94E-02	6.06E-01	3.49E-01	3.84E+01	2.45E+00	2.52E-01	4.15E+01
1591	495161.06	3858701.99	4.30465	3.59811	22.189	4.41888	3.28E-01	3.84E+01	2.45E+00	2.53E-01	4.14E+01	3.19E-01	1.62E-04	2.45E-01	4.95E-02	6.14E-01	3.57E-01	3.84E+01	2.45E+00	2.53E-01	4.15E+01
1592	495211.06	3858701.99	4.39665	3.59438	22.215	4.42515	3.35E-01	3.84E+01	2.46E+00	2.53E-01	4.14E+01	3.25E-01	1.62E-04	2.46E-01	4.95E-02	6.21E-01	3.65E-01	3.84E+01	2.46E+00	2.53E-01	4.14E+01
1593	495261.06	3858701.99	4.49163	3.5906	22.219	4.42401	3.42E-01	3.83E+01	2.46E+00	2.53E-01	4.14E+01	3.33E-01	1.62E-04	2.46E-01	4.95E-02	6.28E-01	3.73E-01	3.83E+01	2.46E+00	2.53E-01	4.14E+01
1594	495311.06	3858701.99	4.58498	3.58677	22.221	4.42259	3.49E-01	3.83E+01	2.46E+00	2.53E-01	4.13E+01	3.39E-01	1.62E-04	2.46E-01	4.95E-02	6.35E-01	3.81E-01	3.83E+01	2.46E+00	2.53E-01	4.14E+01
1595	495361.06	3858701.99	4.67442	3.5829	22.226	4.4226	3.56E-01	3.82E+01	2.46E+00	2.53E-01	4.13E+01	3.46E-01	1.62E-04	2.46E-01	4.95E-02	6.41E-01	3.88E-01	3.82E+01	2.46E+00	2.53E-01	4.13E+01
1596	495411.06	3858701.99	4.76474	3.57891	22.22	4.41953	3.63E-01	3.82E+01	2.46E+00	2.53E-01	4.13E+01	3.53E-01	1.61E-04	2.46E-01	4.95E-02	6.48E-01	3.96E-01	3.82E+01	2.46E+00	2.53E-01	4.13E+01
1597	495461.06	3858701.99	4.85428	3.57485	22.219	4.41825	3.70E-01	3.81E+01	2.46E+00	2.53E-01	4.12E+01	3.59E-01	1.61E-04	2.46E-01	4.95E-02	6.55E-01	4.03E-01	3.81E+01	2.46E+00	2.53E-01	4.13E+01
1598	495511.06	3858701.99	4.9404	3.57071	22.22	4.41833	3.77E-01	3.81E+01	2.46E+00	2.53E-01	4.12E+01	3.66E-01	1.61E-04	2.46E-01	4.95E-02	6.61E-01	4.10E-01	3.81E+01	2.46E+00	2.53E-01	4.12E+01
1599	495561.06	3858701.99	5.02324	3.56655	22.224	4.41921	3.83E-01	3.81E+01	2.46E+00	2.53E-01	4.12E+01	3.72E-01	1.61E-04	2.46E-01	4.95E-02	6.67E-01	4.17E-01	3.81E+01	2.46E+00	2.53E-01	4.12E+01
1600	495611.06	3858701.99	5.10667	3.5623	22.226	4.42003	3.89E-01	3.80E+01	2.46E+00	2.53E-01	4.11E+01	3.78E-01	1.61E-04	2.46E-01	4.95E-02	6.73E-01	4.24E-01	3.80E+01	2.46E+00	2.53E-01	4.12E+01
1601	495661.06	3858701.99	5.1885	3.558	22.22	4.41852	3.95E-01	3.80E+01	2.46E+00	2.53E-01	4.11E+01	3.84E-01	1.60E-04	2.46E-01	4.95E-02	6.79E-01	4.31E-01	3.80E+01	2.46E+00	2.53E-01	4.11E+01
1602	494311.06	3858751.99	3.27237	3.68121	41.93	4.42706	2.49E-01	3.93E+01	4.64E+00	2.53E-01	4.44E+01	2.42E-01	1.66E-04	4.64E-01	4.96E-02	7.56E-01	2.72E-01	3.93E+01	4.64E+00	2.53E-01	4.44E+01
1603	494361.06	3858751.99	4.61183	3.67723	78.49	4.37091	3.52E-01	3.92E+01	8.68E+00	2.50E-01	4.85E+01	3.41E-01	1.66E-04	8.68E-01	4.89E-02	1.26E+00	3.83E-01	3.92E+01	8.68E+00	2.50E-01	4.86E+01
1604	494411.06	3858751.99	5.19078	3.67318	95.473	4.47355	3.96E-01	3.92E+01	1.06E+01	2.56E-01	5.04E+01	3.84E-01	1.66E-04	1.06E+00	5.01E-02	1.49E+00	4.31E-01	3.92E+01	1.06E+01	2.56E-01	5.04E+01
1605	494461.06	3858751.99	5.26766	3.66905	96.929	4.59014	4.02E-01	3.92E+01	1.07E+01	2.62E-01	5.05E+01	3.90E-01	1.65E-04	1.07E+00	5.14E-02	1.51E+00	4.37E-01	3.92E+01	1.07E+01	2.62E-01	5.06E+01
1606	494511.06	3858751.99	5.36273	3.6648	71.304	4.35713	4.09E-01	3.91E+01	7.88E+00	2.49E-01	4.77E+01	3.97E-01	1.65E-04	7.88E-01	4.88E-02	1.23E+00	4.45E-01	3.91E+01	7.88E+00	2.49E-01	4.77E+01
1607	494561.06	3858751.99	5.22493	3.66042	73.891	4.36085	3.98E-01	3.91E+01	8.17E+00	2.49E-01	4.79E+01	3.87E-01	1.65E-04	8.17E-01	4.88E-02	1.25E+00	4.34E-01	3.91E+01	8.17E+00	2.49E-01	4.79E+01
1608	494611.06	3858751.99	5.00075	3.65597	66.941	4.37263	3.81E-01	3.90E+01	7.40E+00	2.50E-01	4.70E+01	3.70E-01	1.65E-04	7.40E-01	4.89E-02	1.16E+00	4.15E-01	3.90E+01	7.40E+00	2.50E-01	4.71E+01
1609	494661.06	3858751.99	4.9518	3.65145	71.339	4.3757	3.77E-01	3.90E+01	7.89E+00	2.50E-01	4.75E+01	3.67E-01	1.65E-04	7.89E-01	4.90E-02	1.20E+00	4.11E-01	3.90E+01	7.89E+00	2.50E-01	4.75E+01
1610	494711.06	3858751.99	4.60715	3.64685	61.536	4.39058	3.51E-01	3.89E+01	6.80E+00	2.51E-01	4.63E+01	3.41E-01	1.64E-04	6.80E-01	4.91E-02	1.07E+00	3.82E-01	3.89E+01	6.80E+00	2.51E-01	4.64E+01
1611	494761.06	3858751.99	4.54462	3.64222	52.839	4.39928	3.46E-01	3.89E+01	5.84E+00	2.52E-01	4.53E+01	3.36E-01	1.64E-04	5.84E-01	4.92E-02	9.70E-01	3.77E-01	3.89E+01	5.84E+00	2.52E-01	4.53E+01
1612	494811.06	3858751.99	4.25779	3.63756	47.415	4.41178	3.25E-01	3.88E+01	5.24E+00	2.52E-01	4.46E+01	3.15E-01	1.64E-04	5.24E-01	4.94E-02	8.89E-01	3.53E-01	3.88E+01	5.24E+00	2.52E-01	4.47E+01
1613	494861.06	3858751.99	4.01839	3.63281	43.26	4.42231	3.06E-01	3.88E+01	4.78E+00	2.53E-01	4.41E+01	2.97E-01	1.64E-04	4.78E-01	4.95E-02	8.25E-01	3.34E-01	3.88E+01	4.78E+00	2.53E-01	4.41E+01
1614	494911.06	3858751.99	3.74903	3.62795	39.297	4.4341	2.86E-01	3.87E+01	4.34E+00	2.54E-01	4.36E+01	2.78E-01	1.64E-04	4.34E-01	4.96E-02	7.62E-01	3.11E-01	3.87E+01	4.34E+00	2.54E-01	4.36E+01
1615	494961.06	3858751.99	3.58162	3.62298	37.141	4.44157	2.73E-01	3.87E+01	4.11E+00	2.54E-01	4.33E+01	2.65E-01	1.63E-04	4.11E-01	4.97E-02	7.26E-01	2.97E-01	3.87E+01	4.11E+00	2.54E-01	4.33E+01
1616	495011.06	3858751.99	3.52162	3.61793	36.008	4.44556	2.68E-01	3.86E+01	3.98E+00	2.54E-01	4.31E+01	2.61E-01	1.63E-04	3.98E-01	4.98E-02	7.09E-01	2.92E-01	3.86E+01	3.98E+00	2.54E-01	4.31E+01
1617	495061.06	3858751.99	3.60935	3.61285	34.633	4.45299	2.75E-01	3.86E+01	3.83E+00	2.55E-01	4.29E+01	2.67E-01	1.63E-04	3.83E-01	4.98E-02	7.00E-01	3.00E-01	3.86E+01	3.83E+00	2.55E-01	4.29E+01
1618	495111.06	3858751.99	3.70547	3.60774	32.239	4.46217	2.82E-01	3.85E+01	3.56E+00	2.55E-01	4.26E+01	2.74E-01	1.63E-04	3.56E-01	5.00E-02	6.81E-01	3.08E-01	3.85E+01	3.56E+00	2.55E-01	4.26E+01
1619	495161.06	3858751.99	3.80418	3.60261	26.721	4.46567	2.90E-01	3.84E+01	2.95E+00	2.55E-01	4.19E+01	2.82E-01	1.62E-04	2.95E-01	5.00E-02	6.27E-01	3.16E-01	3.84E+01	2.95E+00	2.55E-01	4.20E+01
1620	495211.06	3858751.99	3.90025	3.59741	21.256	4.47107	2.97E-01	3.84E+01	2.35E+00	2.56E-01	4.13E+01	2.89E-01	1.62E-04	2.35E-01	5.01E-02	5.74E-01	3.24E-01	3.84E+01	2.35E+00	2.56E-01	4.13E+01
1621	495261.06	3858751.99	3.99766	3.59211	21.164	4.4696	3.05E-01	3.83E+01	2.34E+00	2.56E-01	4.12E+01	2.96E-01	1.62E-04	2.34E-01	5.00E-02	5.80E-01	3.32E-01	3.83E+01	2.34E+00	2.56E-01	4.13E+01
1622	495311.06	3858751.99	4.09394	3.58674	21.084	4.46721	3.12E-01	3.83E+01	2.33E+00	2.55E-01	4.12E+01	3.03E-01	1.62E-04	2.33E-01	5.00E-02	5.86E-01	3.40E-01	3.83E+01	2.33E+00	2.55E-01	4.12E+01
1623	495361.06	3858751.99	4.19089	3.58136	21.105	4.46619	3.19E-01	3.82E+01	2.33E+00	2.55E-01	4.11E+01	3.10E-01	1.61E-04	2.33E-01	5.00E-02	5.94E-01	3.48E-01	3.82E+01	2.33E+00	2.55E-01	4.12E+01
1624	495411.06	3858751.99	4.28684	3.57588	21.117	4.46149	3.27E-01	3.82E+01	2.33E+00	2.55E-01	4.11E+01	3.17E-01	1.61E-04	2.33E-01	4.99E-02	6.01E-01	3.56E-01	3.82E+01	2.33E+00	2.55E-01	4.11E+01
1625	495461.06	3858751.99	4.37955	3.5704	21.133	4.45947	3.34E-01	3.81E+01	2.34E+00	2.55E-01	4.10E+01	3.24E-01	1.61E-04	2.34E-01	4.99E-02	6.08E-01	3.64E-01	3.81E+01	2.34E+00	2.55E-01	4.11E+01
1626	495511.06	3858751.99	4.47253	3.56484	21.151	4.45885	3.41E-01	3.80E+01	2.34E+00	2.55E-01	4.10E+01	3.31E-01	1.61E-04	2.34E-01	4.99E-02	6.15E-01	3.71E-01	3.80E+01	2.34E+00	2.55E-01	4.10E+01
1627	495561.06	3858751.99	4.56204	3.55924	21.168	4.45871	3.48E-01	3.80E+01	2.34E+00	2.55E-01	4.09E+01	3.38E-01	1.60E-04	2.34E-01	4.99E-02	6.22E-01	3.79E-01	3.80E+01	2.34E+00	2.55E-01	4.10E+01
1628	495611.06	3858751.99	4.64975	3.55362	21.184	4.4584	3.54E-01	3.79E+01	2.34E+00	2.55E-01	4.09E+01	3.44E-01	1.60E-04	2.34E-01	4.99E-02	6.29E-01	3.86E-01	3.79E+01	2.34E+00	2.55E-01	4.09E+01
1629	495661.06	3858751.99	4.73845	3.54795	21.196	4.45692	3.61E-01	3.79E+01	2.34E+00	2.55E-01	4.08E+01	3.51E-01	1.60E-04	2.34E-01	4.99E-02	6.35E-01	3.93E-01	3.79E+01	2.34E+00	2.55E-01	4.09E+01
1630	494311.06	3858801.99	4.13647	3.68507	55.772	4.46739	3.15E-01	3.93E+01	6.17E+00	2.55E-01	4.61E+01	3.06E-01	1.66E-04	6.17E-01	5.00E-02	9.73E-01	3.43E-01	3.93E+01	6.17E+00	2.55E-01	4.61E+01
1631	494361.06	3858801.99	5.21153	3.67926	94.372	4.61075	3.97E-01	3.93E+01	1.04E+01	2.64E-01	5.04E+01	3.86E-01	1.66E-04	1.04E+00	5.16E-02	1.48E+00	4.33E-01	3.93E+01	1.04E+01	2.64E-01	5.04E+01
1632	494411.06	3858801.99	5.55819	3.67339	104.52	5.07065	4.24E-01	3.92E+01	1.16E+01	2.90E-01	5.15E+01	4.11E-01	1.66E-04	1.16E+00	5.68E-02	1.62E+00	4.61E-01	3.92E+01	1.16E+01	2.90E-01	5.15E+01
1633	494461.06	3858801.99	5.7637	3.66752	101.03	4.89661	4.39E-01	3.91E+01	1.12E+01	2.80E-01	5.10E+01	4.27E-01	1.65E-04	1.12E+00	5.48E-02	1.60E+00	4.79E-01	3.91E+01	1.12E+01	2.80E-01	5.11E+01
1634	494511.06	3858801.99	5.88828	3.66165	79.158	4.61678	4.49E-01	3.91E+01	8.75E+00	2.64E-01	4.85E+01	4.36E-01	1.65E-04	8.75E-01	5.17E-02	1.36E+00	4.89E-01	3.91E+01	8.75E+00	2.64E-01	4.86E+01
1635	494561.06	3858801.99	5.88231	3.65569	78.645	4.62462	4.48E-01	3.90E+01	8.70E+00	2.64E-01	4.84E+01	4.35E-01	1.65E-04	8.70E-01	5.18E-02	1.36E+00	4.88E-01	3.90E+01	8.70E+00	2.64E-01	4.85E+01
1636	494611.06	3858801.99	5.7848	3.64967	76.441	4.59074	4.41E-01	3.89E+01	8.45E+00	2.63E-01	4.81E+01	4.28E-01	1.65E-04	8.45E-01	5.14E-02	1.32E+00	4.80E-01	3.89E+01	8.45E+00	2.63E-01	4.81E+01
1637	494661.06	3858801.99	5.55784	3.64357	71.749	4.48905	4.24E-01	3.89E+01	7.93E+00	2.57E-01	4.75E+01	4.11E-01	1.64E-04	7.93E-01	5.03E-02	1.26E+00	4.61E-01	3.89E+01	7.93E+00	2.57E-01	4.75E+01
1638	494711.06	3858801.99	5.27596	3.63734	65.891	4.43671	4.02E-01	3.88E+01	7.29E+00	2.54E-01	4.68E+01	3.91E-01	1.64E-04	7.29E-01	4.97E-02	1.17E+00	4.38E-01	3.88E+01	7.29E+00	2.54E-01	4.68E+01
1639	494761.06	3858801.99	4.93052	3.63107	58.921	4.45048	3.76E-01	3.87E+01	6.51E+00	2.54E-01	4.59E+01	3.65E-01	1.64E-04	6.51E-01	4.98E-02	1.07E+00	4.09E-01	3.87E+01	6.51E+00	2.54E-01	4.59E+01
1640	494811.06	3858801.99	4.57098	3.62476	52.031	4.46454	3.48E-01	3.87E+01	5.75E+00	2.55E-01	4.50E+01	3.38E-01	1.63E-04	5.75E-01	5.00E-02	9.64E-01	3.79E-01	3.87E+01	5.75E+00	2.55E-01	4.51E+01
1641	494861.06	3858801.99	4.42197	3.61841	49.034	4.47039	3.37E-01	3.86E+01	5.42E+00	2.56E-01	4.46E+01	3.27E-01	1.63E-04	5.42E-01	5.00E-02	9.20E-01	3.67E-01	3.86E+01	5.42E+00	2.56E-01	4.47E+01
1642	494911.06	3858801.99	4.15285	3.61209	44.337	4.48075	3.17E-01	3.85E+01	4.90E+00	2.56E-01	4.40E+01	3.07E-01	1.63E-04	4.90E-01	5.02E-02	8.48E-01	3.45E-01	3.85E+01	4.90E+00	2.56E-01	4.41E+01
1643	494961.06	3858801.99	3.98006	3.6057	41.437	4.48724	3.03E-01	3.85E+01	4.58E+00	2.57E-01	4.36E+01	2.95E-01	1.63E-04	4.58E-01	5.02E-02	8.03E-01	3.30E-01	3.85E+01	4.58E+00	2.57E-01	4.36E+01

1644	495011.06	3858801.99	3.79143	3.59923	38.691	4.49416	2.89E-01	3.84E+01	4.28E+00	2.57E-01	4.32E+01	2.81E-01	1.62E-04	4.28E-01	5.03E-02	7.59E-01	3.15E-01	3.84E+01	4.28E+00	2.57E-01	4.33E+01
1645	495061.06	3858801.99	3.69984	3.59268	37.338	4.49689	2.82E-01	3.83E+01	4.13E+00	2.57E-01	4.30E+01	2.74E-01	1.62E-04	4.13E-01	5.03E-02	7.37E-01	3.07E-01	3.83E+01	4.13E+00	2.57E-01	4.30E+01
1646	495111.06	3858801.99	3.44219	3.58609	34.841	4.50655	2.62E-01	3.83E+01	3.85E+00	2.58E-01	4.26E+01	2.55E-01	1.62E-04	3.85E-01	5.04E-02	6.91E-01	2.86E-01	3.83E+01	3.85E+00	2.58E-01	4.27E+01
1647	495161.06	3858801.99	3.44415	3.57944	33.789	4.51217	2.63E-01	3.82E+01	3.74E+00	2.58E-01	4.25E+01	2.55E-01	1.61E-04	3.74E-01	5.05E-02	6.79E-01	2.86E-01	3.82E+01	3.74E+00	2.58E-01	4.25E+01
1648	495211.06	3858801.99	3.48675	3.57283	33.459	4.51274	2.66E-01	3.81E+01	3.70E+00	2.58E-01	4.24E+01	2.58E-01	1.61E-04	3.70E-01	5.05E-02	6.79E-01	2.89E-01	3.81E+01	3.70E+00	2.58E-01	4.24E+01
1649	495261.06	3858801.99	3.5285	3.56618	33.303	4.51013	2.69E-01	3.81E+01	3.68E+00	2.58E-01	4.23E+01	2.61E-01	1.61E-04	3.68E-01	5.05E-02	6.80E-01	2.93E-01	3.81E+01	3.68E+00	2.58E-01	4.23E+01
1650	495311.06	3858801.99	3.59957	3.5595	33.184	4.50633	2.74E-01	3.80E+01	3.67E+00	2.58E-01	4.22E+01	2.66E-01	1.60E-04	3.67E-01	5.04E-02	6.84E-01	2.99E-01	3.80E+01	3.67E+00	2.58E-01	4.22E+01
1651	495361.06	3858801.99	3.69701	3.55281	32.991	4.50408	2.82E-01	3.79E+01	3.65E+00	2.58E-01	4.21E+01	2.74E-01	1.60E-04	3.65E-01	5.04E-02	6.89E-01	3.07E-01	3.79E+01	3.65E+00	2.58E-01	4.21E+01
1652	495411.06	3858801.99	3.79677	3.54608	33.026	4.49706	2.89E-01	3.78E+01	3.65E+00	2.57E-01	4.20E+01	2.81E-01	1.60E-04	3.65E-01	5.03E-02	6.97E-01	3.15E-01	3.78E+01	3.65E+00	2.57E-01	4.21E+01
1653	495461.06	3858801.99	3.89319	3.53931	32.768	4.49493	2.97E-01	3.78E+01	3.62E+00	2.57E-01	4.19E+01	2.88E-01	1.60E-04	3.62E-01	5.03E-02	7.01E-01	3.23E-01	3.78E+01	3.62E+00	2.57E-01	4.20E+01
1654	495511.06	3858801.99	3.9878	3.53255	32.474	4.49434	3.04E-01	3.77E+01	3.59E+00	2.57E-01	4.18E+01	2.95E-01	1.59E-04	3.59E-01	5.03E-02	7.05E-01	3.31E-01	3.77E+01	3.59E+00	2.57E-01	4.19E+01
1655	495561.06	3858801.99	4.0819	3.52578	32.285	4.49258	3.11E-01	3.76E+01	3.57E+00	2.57E-01	4.18E+01	3.02E-01	1.59E-04	3.57E-01	5.03E-02	7.10E-01	3.39E-01	3.76E+01	3.57E+00	2.57E-01	4.18E+01
1656	495611.06	3858801.99	4.1758	3.51898	27.075	4.49288	3.18E-01	3.76E+01	2.99E+00	2.57E-01	4.11E+01	3.09E-01	1.59E-04	2.99E-01	5.03E-02	6.59E-01	3.47E-01	3.76E+01	2.99E+00	2.57E-01	4.12E+01
1657	495661.06	3858801.99	4.26835	3.51215	25.233	4.48962	3.25E-01	3.75E+01	2.79E+00	2.57E-01	4.09E+01	3.16E-01	1.58E-04	2.79E-01	5.03E-02	6.45E-01	3.54E-01	3.75E+01	2.79E+00	2.57E-01	4.09E+01
1658	494311.06	3858851.99	5.69426	3.65749	91.007	5.17341	4.34E-01	3.90E+01	1.01E+01	2.96E-01	4.98E+01	4.22E-01	1.65E-04	1.01E+00	5.79E-02	1.49E+00	4.73E-01	3.90E+01	1.01E+01	2.96E-01	4.99E+01
1659	494361.06	3858851.99	6.33768	3.65018	118.36	6.85984	4.83E-01	3.90E+01	1.31E+01	3.92E-01	5.29E+01	4.69E-01	1.65E-04	1.31E+00	7.68E-02	1.85E+00	5.26E-01	3.90E+01	1.31E+01	3.92E-01	5.30E+01
1660	494411.06	3858851.99	6.27865	3.64283	118.83	6.76499	4.79E-01	3.89E+01	1.31E+01	3.87E-01	5.29E+01	4.65E-01	1.64E-04	1.31E+00	7.57E-02	1.85E+00	5.21E-01	3.89E+01	1.31E+01	3.87E-01	5.29E+01
1661	494461.06	3858851.99	6.32545	3.63537	111.71	6.3351	4.82E-01	3.88E+01	1.24E+01	3.62E-01	5.20E+01	4.68E-01	1.64E-04	1.24E+00	7.09E-02	1.77E+00	5.25E-01	3.88E+01	1.24E+01	3.62E-01	5.20E+01
1662	494511.06	3858851.99	6.37094	3.62789	83.597	5.04654	4.86E-01	3.87E+01	9.24E+00	2.89E-01	4.87E+01	4.72E-01	1.64E-04	9.24E-01	5.65E-02	1.45E+00	5.29E-01	3.87E+01	9.24E+00	2.89E-01	4.88E+01
1663	494561.06	3858851.99	6.33241	3.62037	82.791	5.03798	4.83E-01	3.86E+01	9.15E+00	2.88E-01	4.86E+01	4.69E-01	1.63E-04	9.15E-01	5.64E-02	1.44E+00	5.26E-01	3.86E+01	9.15E+00	2.88E-01	4.86E+01
1664	494611.06	3858851.99	6.18279	3.61287	80.103	4.98551	4.71E-01	3.86E+01	8.86E+00	2.85E-01	4.82E+01	4.58E-01	1.63E-04	8.86E-01	5.58E-02	1.40E+00	5.13E-01	3.86E+01	8.86E+00	2.85E-01	4.82E+01
1665	494661.06	3858851.99	5.96797	3.60537	76.171	4.89695	4.55E-01	3.85E+01	8.42E+00	2.80E-01	4.76E+01	4.42E-01	1.63E-04	8.42E-01	5.48E-02	1.34E+00	4.95E-01	3.85E+01	8.42E+00	2.80E-01	4.77E+01
1666	494711.06	3858851.99	5.61238	3.59782	69.592	4.72477	4.28E-01	3.84E+01	7.69E+00	2.70E-01	4.68E+01	4.16E-01	1.62E-04	7.69E-01	5.29E-02	1.24E+00	4.66E-01	3.84E+01	7.69E+00	2.70E-01	4.68E+01
1667	494761.06	3858851.99	5.27582	3.59021	63.156	4.53436	4.02E-01	3.83E+01	6.98E+00	2.59E-01	4.60E+01	3.91E-01	1.62E-04	6.98E-01	5.08E-02	1.14E+00	4.38E-01	3.83E+01	6.98E+00	2.59E-01	4.60E+01
1668	494811.06	3858851.99	5.01609	3.58257	58.058	4.5072	3.82E-01	3.82E+01	6.42E+00	2.58E-01	4.53E+01	3.71E-01	1.61E-04	6.42E-01	5.05E-02	1.06E+00	4.16E-01	3.82E+01	6.42E+00	2.58E-01	4.53E+01
1669	494861.06	3858851.99	4.86853	3.57493	55.141	4.51187	3.71E-01	3.82E+01	6.10E+00	2.58E-01	4.49E+01	3.60E-01	1.61E-04	6.10E-01	5.05E-02	1.02E+00	4.04E-01	3.82E+01	6.10E+00	2.58E-01	4.49E+01
1670	494911.06	3858851.99	4.62658	3.5673	50.637	4.51993	3.53E-01	3.81E+01	5.60E+00	2.58E-01	4.43E+01	3.43E-01	1.61E-04	5.60E-01	5.06E-02	9.53E-01	3.84E-01	3.81E+01	5.60E+00	2.58E-01	4.43E+01
1671	494961.06	3858851.99	4.42917	3.55969	47.031	4.52613	3.38E-01	3.80E+01	5.20E+00	2.59E-01	4.38E+01	3.28E-01	1.60E-04	5.20E-01	5.07E-02	8.99E-01	3.68E-01	3.80E+01	5.20E+00	2.59E-01	4.38E+01
1672	495011.06	3858851.99	4.28425	3.55205	44.429	4.53005	3.27E-01	3.79E+01	4.91E+00	2.59E-01	4.34E+01	3.17E-01	1.60E-04	4.91E-01	5.07E-02	8.59E-01	3.56E-01	3.79E+01	4.91E+00	2.59E-01	4.34E+01
1673	495061.06	3858851.99	4.09845	3.5444	41.372	4.53547	3.12E-01	3.78E+01	4.57E+00	2.59E-01	4.30E+01	3.03E-01	1.60E-04	4.57E-01	5.08E-02	8.12E-01	3.40E-01	3.78E+01	4.57E+00	2.59E-01	4.30E+01
1674	495111.06	3858851.99	3.70749	3.5367	36.306	4.54929	2.83E-01	3.77E+01	4.01E+00	2.60E-01	4.23E+01	2.74E-01	1.59E-04	4.01E-01	5.09E-02	7.27E-01	3.08E-01	3.77E+01	4.01E+00	2.60E-01	4.23E+01
1675	495161.06	3858851.99	3.54164	3.52897	34.571	4.55374	2.70E-01	3.77E+01	3.82E+00	2.60E-01	4.20E+01	2.62E-01	1.59E-04	3.82E-01	5.10E-02	6.96E-01	2.94E-01	3.77E+01	3.82E+00	2.60E-01	4.20E+01
1676	495211.06	3858851.99	3.62205	3.52122	35.009	4.54748	2.76E-01	3.76E+01	3.87E+00	2.60E-01	4.20E+01	2.68E-01	1.59E-04	3.87E-01	5.09E-02	7.06E-01	3.01E-01	3.76E+01	3.87E+00	2.60E-01	4.20E+01
1677	495261.06	3858851.99	3.62682	3.51349	34.818	4.54424	2.76E-01	3.75E+01	3.85E+00	2.60E-01	4.19E+01	2.69E-01	1.58E-04	3.85E-01	5.09E-02	7.04E-01	3.01E-01	3.75E+01	3.85E+00	2.60E-01	4.19E+01
1678	495311.06	3858851.99	3.67855	3.50577	35.036	4.53886	2.80E-01	3.74E+01	3.87E+00	2.60E-01	4.18E+01	2.72E-01	1.58E-04	3.87E-01	5.08E-02	7.11E-01	3.05E-01	3.74E+01	3.87E+00	2.60E-01	4.19E+01
1679	495361.06	3858851.99	3.6953	3.49803	34.948	4.53475	2.82E-01	3.73E+01	3.86E+00	2.59E-01	4.17E+01	2.74E-01	1.58E-04	3.86E-01	5.08E-02	7.11E-01	3.07E-01	3.73E+01	3.86E+00	2.59E-01	4.18E+01
1680	495411.06	3858851.99	3.71163	3.49026	34.853	4.5305	2.83E-01	3.72E+01	3.85E+00	2.59E-01	4.16E+01	2.75E-01	1.57E-04	3.85E-01	5.07E-02	7.11E-01	3.08E-01	3.72E+01	3.85E+00	2.59E-01	4.17E+01
1681	495461.06	3858851.99	3.73948	3.4825	34.875	4.52556	2.85E-01	3.72E+01	3.86E+00	2.59E-01	4.16E+01	2.77E-01	1.57E-04	3.86E-01	5.07E-02	7.13E-01	3.10E-01	3.72E+01	3.86E+00	2.59E-01	4.16E+01
1682	495511.06	3858851.99	3.70686	3.47474	36.96	4.5187	2.83E-01	3.71E+01	4.09E+00	2.58E-01	4.17E+01	2.74E-01	1.57E-04	4.09E-01	5.06E-02	7.34E-01	3.08E-01	3.71E+01	4.09E+00	2.58E-01	4.17E+01
1683	495561.06	3858851.99	3.5959	3.46698	33.093	4.52435	2.74E-01	3.70E+01	3.66E+00	2.59E-01	4.12E+01	2.66E-01	1.56E-04	3.66E-01	5.06E-02	6.83E-01	2.99E-01	3.70E+01	3.66E+00	2.59E-01	4.12E+01
1684	495611.06	3858851.99	3.69007	3.45924	32.343	4.52431	2.81E-01	3.69E+01	3.58E+00	2.59E-01	4.10E+01	2.73E-01	1.56E-04	3.58E-01	5.06E-02	6.82E-01	3.06E-01	3.69E+01	3.58E+00	2.59E-01	4.11E+01
1685	495661.06	3858851.99	3.78651	3.45144	32.266	4.51881	2.89E-01	3.68E+01	3.57E+00	2.58E-01	4.09E+01	2.80E-01	1.56E-04	3.57E-01	5.06E-02	6.88E-01	3.14E-01	3.68E+01	3.57E+00	2.58E-01	4.10E+01
1686	494311.06	3858901.99	6.59286	3.59835	100.53	6.87926	5.03E-01	3.84E+01	1.11E+01	3.93E-01	5.04E+01	4.88E-01	1.62E-04	1.11E+00	7.70E-02	1.68E+00	5.47E-01	3.84E+01	1.11E+01	3.93E-01	5.05E+01
1687	494361.06	3858901.99	7.09586	3.58983	115.64	8.12096	5.41E-01	3.83E+01	1.28E+01	4.64E-01	5.21E+01	5.25E-01	1.62E-04	1.28E+00	9.09E-02	1.89E+00	5.89E-01	3.83E+01	1.28E+01	4.64E-01	5.21E+01
1688	494411.06	3858901.99	7.13439	3.58132	118.23	8.21258	5.44E-01	3.82E+01	1.31E+01	4.70E-01	5.23E+01	5.28E-01	1.61E-04	1.31E+00	9.19E-02	1.93E+00	5.92E-01	3.82E+01	1.31E+01	4.70E-01	5.24E+01
1689	494461.06	3858901.99	7.16242	3.57277	85.992	6.04435	5.46E-01	3.81E+01	9.51E+00	3.46E-01	4.85E+01	5.30E-01	1.61E-04	9.51E-01	6.77E-02	1.55E+00	5.95E-01	3.81E+01	9.51E+00	3.46E-01	4.86E+01
1690	494511.06	3858901.99	7.11698	3.56418	86.871	6.00663	5.42E-01	3.80E+01	9.60E+00	3.43E-01	4.85E+01	5.27E-01	1.61E-04	9.60E-01	6.72E-02	1.55E+00	5.91E-01	3.80E+01	9.60E+00	3.43E-01	4.86E+01
1691	494561.06	3858901.99	6.87522	3.55554	85.09	5.67322	5.24E-01	3.79E+01	9.41E+00	3.24E-01	4.82E+01	5.09E-01	1.60E-04	9.41E-01	6.35E-02	1.51E+00	5.71E-01	3.79E+01	9.41E+00	3.24E-01	4.82E+01
1692	494611.06	3858901.99	6.50478	3.5469	80.286	5.30818	4.96E-01	3.79E+01	8.88E+00	3.04E-01	4.75E+01	4.82E-01	1.60E-04	8.88E-01	5.94E-02	1.43E+00	5.40E-01	3.79E+01	8.88E+00	3.04E-01	4.76E+01
1693	494661.06	3858901.99	6.36023	3.53827	78.073	5.25024	4.85E-01	3.78E+01	8.63E+00	3.00E-01	4.72E+01	4.71E-01	1.60E-04	8.63E-01	5.88E-02	1.39E+00	5.28E-01	3.78E+01	8.63E+00	3.00E-01	4.72E+01
1694	494711.06	3858901.99	6.04503	3.52968	72.984	5.11302	4.61E-01	3.77E+01	8.07E+00	2.92E-01	4.65E+01	4.48E-01	1.59E-04	8.07E-01	5.72E-02	1.31E+00	5.02E-01	3.77E+01	8.07E+00	2.92E-01	4.65E+01
1695	494761.06	3858901.99	5.65422	3.52109	66.381	4.91189	4.31E-01	3.76E+01	7.34E+00	2.81E-01	4.56E+01	4.19E-01	1.59E-04	7.34E-01	5.50E-02	1.21E+00	4.69E-01	3.76E+01	7.34E+00	2.81E-01	4.57E+01
1696	494811.06	3858901.99	5.46272	3.51246	62.943	4.79281	4.16E-01	3.75E+01	6.96E+00	2.74E-01	4.51E+01	4.04E-01	1.58E-04	6.96E-01	5.37E-02	1.15E+00	4.54E-01	3.75E+01	6.96E+00	2.74E-01	4.52E+01
1697	494861.06	3858901.99	5.33883	3.5038	60.601	4.70466	4.07E-01	3.74E+01	6.70E+00	2.69E-01	4.48E+01	3.95E-01	1.58E-04	6.70E-01	5.27E-02	1.12E+00	4.43E-01	3.74E+01	6.70E+00	2.69E-01	4.48E+01
1698	494911.06	3858901.99	4.96022	3.49515	53.85	4.55884	3.78E-01	3.73E+01	5.95E+00	2.61E-01	4.39E+01	3.67E-01	1.58E-04	5.95E-01	5.10E-02	1.01E+00	4.12E-01	3.73E+01	5.95E+00	2.61E-01	4.39E+01
1699	494961.06	3858901.99	4.79035	3.4865	50.802	4.56292	3.65E-01	3.72E+01	5.62E+00	2.61E-01	4.34E+01	3.55E-01	1.57E-04	5.62E-01	5.11E-02	9.68E-01	3.98E-01	3.72E+01	5.62E+00	2.61E-01	4.35E+01
1700	495011.06	3858901.99	4.62604	3.4779	47.895	4.56654	3.53E-01	3.71E+01	5.30E+00	2.61E-01	4.30E+01	3.42E-01	1.57E-04	5.30E-01	5.11E-02	9.23E-01	3.84E-01	3.71E+01	5.30E+00	2.61E-01	4.31E+01
1701	495061.06	3858901.99	4.35452	3.46934	43.423	4.57417	3.32E-01	3.70E+01	4.80E+00	2.62E-01	4.24E+01	3.22E-01	1.56E-04	4.80E-01	5.12E-02	8.54E-01	3.62E-01	3.70E+01	4.80E+00	2.62E-01	4.24E+01
1702	495111.06	3858901.99	3.94312	3.46078	37.571	4.58745	3.01E-01	3.69E+01	4.15E+00	2.62E-01	4.16E+01	2.92E-01	1.56E-04	4.15E-01	5.14E-02	7.59E-01	3.27E-01	3.69E+01	4.15E+00	2.62E-01	4.17E+01
1703	495161.06	3858901.99	3.87467	3.45225	36.544	4.58676	2.95E-01	3.68E+01	4.04E+00	2.62E-01	4.14E+01	2.87E-01	1.56E-04	4.04E-01	5.13E-02	7.42E-01	3.22E-01	3.68E+01	4.04E+00	2.62E-01	4.15E+01
1704	495211.06	3858901.99	4.03647	3.44376	38.263	4.57653	3.08E-01	3.68E+01	4.23E+00	2.62E-01	4.16E+01	2.99E-01	1.55E-04	4.23E-01	5.12E-02	7.73E-01	3.35E-01	3.68E+01	4.23E+00	2.62E-01	4.16E+01

1705	495261.06	3858901.99	4.07487	3.43524	38.527	4.57112	3.11E-01	3.67E+01	4.26E+00	2.61E-01	4.15E+01	3.02E-01	1.55E-04	4.26E-01	5.12E-02	7.79E-01	3.38E-01	3.67E+01	4.26E+00	2.61E-01	4.15E+01
1706	495311.06	3858901.99	4.07271	3.42675	38.268	4.56714	3.10E-01	3.66E+01	4.23E+00	2.61E-01	4.14E+01	3.02E-01	1.54E-04	4.23E-01	5.11E-02	7.76E-01	3.38E-01	3.66E+01	4.23E+00	2.61E-01	4.14E+01
1707	495361.06	3858901.99	4.08326	3.41829	38.171	4.56249	3.11E-01	3.65E+01	4.22E+00	2.61E-01	4.13E+01	3.02E-01	1.54E-04	4.22E-01	5.11E-02	7.76E-01	3.39E-01	3.65E+01	4.22E+00	2.61E-01	4.13E+01
1708	495411.06	3858901.99	4.15862	3.40982	38.919	4.55518	3.17E-01	3.64E+01	4.30E+00	2.60E-01	4.13E+01	3.08E-01	1.54E-04	4.30E-01	5.10E-02	7.89E-01	3.45E-01	3.64E+01	4.30E+00	2.60E-01	4.13E+01
1709	495461.06	3858901.99	4.12584	3.40139	38.262	4.55183	3.14E-01	3.63E+01	4.23E+00	2.60E-01	4.11E+01	3.05E-01	1.53E-04	4.23E-01	5.10E-02	7.80E-01	3.43E-01	3.63E+01	4.23E+00	2.60E-01	4.11E+01
1710	495511.06	3858901.99	4.03222	3.39301	36.868	4.55062	3.07E-01	3.62E+01	4.08E+00	2.60E-01	4.09E+01	2.99E-01	1.53E-04	4.08E-01	5.09E-02	7.57E-01	3.35E-01	3.62E+01	4.08E+00	2.60E-01	4.09E+01
1711	495561.06	3858901.99	3.97106	3.38466	35.929	4.54801	3.03E-01	3.61E+01	3.97E+00	2.60E-01	4.07E+01	2.94E-01	1.53E-04	3.97E-01	5.09E-02	7.42E-01	3.30E-01	3.61E+01	3.97E+00	2.60E-01	4.07E+01
1712	495611.06	3858901.99	3.85756	3.37637	34.529	4.54716	2.94E-01	3.60E+01	3.82E+00	2.60E-01	4.04E+01	2.86E-01	1.52E-04	3.82E-01	5.09E-02	7.18E-01	3.20E-01	3.60E+01	3.82E+00	2.60E-01	4.04E+01
1713	495661.06	3858901.99	3.89892	3.36811	34.765	4.54021	2.97E-01	3.59E+01	3.84E+00	2.60E-01	4.03E+01	2.89E-01	1.52E-04	3.84E-01	5.08E-02	7.24E-01	3.24E-01	3.59E+01	3.84E+00	2.60E-01	4.04E+01
1714	494311.06	3858951.99	7.79008	3.51022	109.81	9.63681	5.94E-01	3.75E+01	1.21E+01	5.51E-01	5.07E+01	5.77E-01	1.58E-04	1.21E+00	1.08E-01	1.90E+00	6.47E-01	3.75E+01	1.21E+01	5.51E-01	5.08E+01
1715	494361.06	3858951.99	7.99461	3.5007	116.62	10.26435	6.09E-01	3.74E+01	1.29E+01	5.87E-01	5.14E+01	5.92E-01	1.58E-04	1.29E+00	1.15E-01	2.00E+00	6.64E-01	3.74E+01	1.29E+01	5.87E-01	5.15E+01
1716	494411.06	3858951.99	7.84588	3.49125	113.99	9.72903	5.98E-01	3.73E+01	1.26E+01	5.56E-01	5.10E+01	5.81E-01	1.57E-04	1.26E+00	1.09E-01	1.95E+00	6.51E-01	3.73E+01	1.26E+01	5.56E-01	5.11E+01
1717	494461.06	3858951.99	7.90019	3.48183	83.254	7.18527	6.02E-01	3.72E+01	9.20E+00	4.11E-01	4.74E+01	5.85E-01	1.57E-04	9.20E-01	8.04E-02	1.59E+00	6.56E-01	3.72E+01	9.20E+00	4.11E-01	4.74E+01
1718	494511.06	3858951.99	7.78181	3.4724	83.514	7.01461	5.93E-01	3.71E+01	9.23E+00	4.01E-01	4.73E+01	5.76E-01	1.57E-04	9.23E-01	7.85E-02	1.58E+00	6.46E-01	3.71E+01	9.23E+00	4.01E-01	4.73E+01
1719	494561.06	3858951.99	7.55152	3.46294	82.635	6.67601	5.76E-01	3.70E+01	9.14E+00	3.82E-01	4.70E+01	5.59E-01	1.56E-04	9.14E-01	7.47E-02	1.55E+00	6.27E-01	3.70E+01	9.14E+00	3.82E-01	4.71E+01
1720	494611.06	3858951.99	7.20056	3.45349	80.14	6.15014	5.49E-01	3.69E+01	8.86E+00	3.52E-01	4.66E+01	5.33E-01	1.56E-04	8.86E-01	6.88E-02	1.49E+00	5.98E-01	3.69E+01	8.86E+00	3.52E-01	4.67E+01
1721	494661.06	3858951.99	6.8712	3.44407	77.506	5.67313	5.24E-01	3.68E+01	8.57E+00	3.24E-01	4.62E+01	5.09E-01	1.55E-04	8.57E-01	6.35E-02	1.43E+00	5.70E-01	3.68E+01	8.57E+00	3.24E-01	4.62E+01
1722	494711.06	3858951.99	6.40299	3.4347	72.392	5.3869	4.88E-01	3.67E+01	8.00E+00	3.08E-01	4.55E+01	4.74E-01	1.55E-04	8.00E-01	6.03E-02	1.33E+00	5.32E-01	3.67E+01	8.00E+00	3.08E-01	4.55E+01
1723	494761.06	3858951.99	6.09321	3.42543	68.633	5.25965	4.64E-01	3.66E+01	7.59E+00	3.01E-01	4.49E+01	4.51E-01	1.54E-04	7.59E-01	5.89E-02	1.27E+00	5.06E-01	3.66E+01	7.59E+00	3.01E-01	4.50E+01
1724	494811.06	3858951.99	5.93989	3.41618	66.339	5.16738	4.53E-01	3.65E+01	7.33E+00	2.95E-01	4.45E+01	4.40E-01	1.54E-04	7.33E-01	5.78E-02	1.23E+00	4.93E-01	3.65E+01	7.33E+00	2.95E-01	4.46E+01
1725	494861.06	3858951.99	5.78531	3.40696	63.922	5.06672	4.41E-01	3.64E+01	7.07E+00	2.90E-01	4.42E+01	4.28E-01	1.54E-04	7.07E-01	5.67E-02	1.19E+00	4.80E-01	3.64E+01	7.07E+00	2.90E-01	4.42E+01
1726	494911.06	3858951.99	5.51222	3.39778	59.517	4.89282	4.20E-01	3.63E+01	6.58E+00	2.80E-01	4.35E+01	4.08E-01	1.53E-04	6.58E-01	5.48E-02	1.12E+00	4.58E-01	3.63E+01	6.58E+00	2.80E-01	4.36E+01
1727	494961.06	3858951.99	5.41523	3.38862	57.867	4.81006	4.13E-01	3.62E+01	6.40E+00	2.75E-01	4.32E+01	4.01E-01	1.53E-04	6.40E-01	5.38E-02	1.09E+00	4.50E-01	3.62E+01	6.40E+00	2.75E-01	4.33E+01
1728	495011.06	3858951.99	4.94301	3.3795	50.069	4.59754	3.77E-01	3.61E+01	5.54E+00	2.63E-01	4.22E+01	3.66E-01	1.52E-04	5.54E-01	5.15E-02	9.71E-01	4.10E-01	3.61E+01	5.54E+00	2.63E-01	4.23E+01
1729	495061.06	3858951.99	4.49858	3.37041	43.154	4.61069	3.43E-01	3.60E+01	4.77E+00	2.64E-01	4.13E+01	3.33E-01	1.52E-04	4.77E-01	5.16E-02	8.62E-01	3.73E-01	3.60E+01	4.77E+00	2.64E-01	4.14E+01
1730	495111.06	3858951.99	4.18795	3.36135	38.643	4.61885	3.19E-01	3.59E+01	4.27E+00	2.64E-01	4.07E+01	3.10E-01	1.52E-04	4.27E-01	5.17E-02	7.89E-01	3.48E-01	3.59E+01	4.27E+00	2.64E-01	4.08E+01
1731	495161.06	3858951.99	4.43123	3.35232	41.834	4.60497	3.38E-01	3.58E+01	4.63E+00	2.63E-01	4.10E+01	3.28E-01	1.51E-04	4.63E-01	5.15E-02	8.42E-01	3.68E-01	3.58E+01	4.63E+00	2.63E-01	4.10E+01
1732	495211.06	3858951.99	4.48311	3.34334	42.422	4.59849	3.42E-01	3.57E+01	4.69E+00	2.63E-01	4.10E+01	3.32E-01	1.51E-04	4.69E-01	5.15E-02	8.53E-01	3.72E-01	3.57E+01	4.69E+00	2.63E-01	4.10E+01
1733	495261.06	3858951.99	4.52805	3.33443	42.924	4.59211	3.45E-01	3.56E+01	4.75E+00	2.63E-01	4.09E+01	3.35E-01	1.50E-04	4.75E-01	5.14E-02	8.61E-01	3.76E-01	3.56E+01	4.75E+00	2.63E-01	4.10E+01
1734	495311.06	3858951.99	4.41006	3.32557	41.028	4.59169	3.36E-01	3.55E+01	4.54E+00	2.63E-01	4.06E+01	3.26E-01	1.50E-04	4.54E-01	5.14E-02	8.32E-01	3.66E-01	3.55E+01	4.54E+00	2.63E-01	4.07E+01
1735	495361.06	3858951.99	4.4745	3.31677	41.788	4.58424	3.41E-01	3.54E+01	4.62E+00	2.62E-01	4.06E+01	3.31E-01	1.50E-04	4.62E-01	5.13E-02	8.45E-01	3.71E-01	3.54E+01	4.62E+00	2.62E-01	4.06E+01
1736	495411.06	3858951.99	4.56805	3.30802	43.02	4.57557	3.48E-01	3.53E+01	4.76E+00	2.62E-01	4.07E+01	3.38E-01	1.49E-04	4.76E-01	5.12E-02	8.65E-01	3.79E-01	3.53E+01	4.76E+00	2.62E-01	4.07E+01
1737	495461.06	3858951.99	4.55713	3.29931	42.686	4.57061	3.47E-01	3.52E+01	4.72E+00	2.61E-01	4.05E+01	3.37E-01	1.49E-04	4.72E-01	5.12E-02	8.61E-01	3.78E-01	3.52E+01	4.72E+00	2.61E-01	4.06E+01
1738	495511.06	3858951.99	4.60532	3.29063	43.255	4.56334	3.51E-01	3.51E+01	4.78E+00	2.61E-01	4.05E+01	3.41E-01	1.48E-04	4.78E-01	5.11E-02	8.70E-01	3.82E-01	3.51E+01	4.78E+00	2.61E-01	4.05E+01
1739	495561.06	3858951.99	4.3937	3.28198	39.952	4.56525	3.35E-01	3.50E+01	4.42E+00	2.61E-01	4.00E+01	3.25E-01	1.48E-04	4.42E-01	5.11E-02	8.18E-01	3.65E-01	3.50E+01	4.42E+00	2.61E-01	4.01E+01
1740	495611.06	3858951.99	4.2982	3.27338	38.456	4.56281	3.28E-01	3.49E+01	4.25E+00	2.61E-01	3.98E+01	3.18E-01	1.48E-04	4.25E-01	5.11E-02	7.95E-01	3.57E-01	3.49E+01	4.25E+00	2.61E-01	3.98E+01
1741	495661.06	3858951.99	4.35043	3.26485	39.009	4.55486	3.32E-01	3.48E+01	4.31E+00	2.60E-01	3.97E+01	3.22E-01	1.47E-04	4.31E-01	5.10E-02	8.05E-01	3.61E-01	3.48E+01	4.31E+00	2.60E-01	3.98E+01
1742	494311.06	3859001.99	8.73112	3.39552	105.16	11.89159	6.65E-01	3.62E+01	1.16E+01	6.80E-01	4.92E+01	6.46E-01	1.53E-04	1.16E+00	1.33E-01	1.94E+00	7.25E-01	3.62E+01	1.16E+01	6.80E-01	4.93E+01
1743	494361.06	3859001.99	8.72424	3.38551	99.817	11.12577	6.65E-01	3.61E+01	1.10E+01	6.36E-01	4.85E+01	6.46E-01	1.53E-04	1.10E+00	1.25E-01	1.87E+00	7.24E-01	3.61E+01	1.10E+01	6.36E-01	4.85E+01
1744	494411.06	3859001.99	8.68127	3.37556	76.073	8.41272	6.62E-01	3.60E+01	8.41E+00	4.81E-01	4.56E+01	6.43E-01	1.52E-04	8.41E-01	9.42E-02	1.58E+00	7.21E-01	3.60E+01	8.41E+00	4.81E-01	4.56E+01
1745	494461.06	3859001.99	8.58883	3.36571	76.889	8.27206	6.55E-01	3.59E+01	8.50E+00	4.73E-01	4.55E+01	6.36E-01	1.52E-04	8.50E-01	9.26E-02	1.58E+00	7.13E-01	3.59E+01	8.50E+00	4.73E-01	4.56E+01
1746	494511.06	3859001.99	8.48581	3.3559	77.625	8.11913	6.47E-01	3.58E+01	8.58E+00	4.64E-01	4.55E+01	6.28E-01	1.51E-04	8.58E-01	9.09E-02	1.58E+00	7.05E-01	3.58E+01	8.58E+00	4.64E-01	4.56E+01
1747	494561.06	3859001.99	8.15823	3.34613	76.908	7.62104	6.22E-01	3.57E+01	8.50E+00	4.36E-01	4.53E+01	6.04E-01	1.51E-04	8.50E-01	8.53E-02	1.54E+00	6.77E-01	3.57E+01	8.50E+00	4.36E-01	4.53E+01
1748	494611.06	3859001.99	7.85519	3.3364	75.925	7.15396	5.99E-01	3.56E+01	8.39E+00	4.09E-01	4.50E+01	5.82E-01	1.50E-04	8.39E-01	8.01E-02	1.50E+00	6.52E-01	3.56E+01	8.39E+00	4.09E-01	4.51E+01
1749	494661.06	3859001.99	7.46827	3.32672	73.788	6.56014	5.69E-01	3.55E+01	8.16E+00	3.75E-01	4.46E+01	5.53E-01	1.50E-04	8.16E-01	7.34E-02	1.44E+00	6.20E-01	3.55E+01	8.16E+00	3.75E-01	4.47E+01
1750	494711.06	3859001.99	7.00874	3.31709	70.205	5.85469	5.34E-01	3.54E+01	7.76E+00	3.35E-01	4.40E+01	5.19E-01	1.50E-04	7.76E-01	6.55E-02	1.36E+00	5.82E-01	3.54E+01	7.76E+00	3.35E-01	4.41E+01
1751	494761.06	3859001.99	6.73408	3.30752	68.283	5.50861	5.13E-01	3.53E+01	7.55E+00	3.15E-01	4.37E+01	4.99E-01	1.49E-04	7.55E-01	6.17E-02	1.32E+00	5.59E-01	3.53E+01	7.55E+00	3.15E-01	4.37E+01
1752	494811.06	3859001.99	6.56635	3.29799	67.618	5.45284	5.00E-01	3.52E+01	7.48E+00	3.12E-01	4.35E+01	4.86E-01	1.49E-04	7.48E-01	6.10E-02	1.29E+00	5.45E-01	3.52E+01	7.48E+00	3.12E-01	4.35E+01
1753	494861.06	3859001.99	6.25973	3.28851	64.901	5.33565	4.77E-01	3.51E+01	7.18E+00	3.05E-01	4.31E+01	4.63E-01	1.48E-04	7.18E-01	5.97E-02	1.24E+00	5.20E-01	3.51E+01	7.18E+00	3.05E-01	4.31E+01
1754	494911.06	3859001.99	5.96625	3.27907	61.645	5.1941	4.55E-01	3.50E+01	6.82E+00	2.97E-01	4.26E+01	4.42E-01	1.48E-04	6.82E-01	5.81E-02	1.18E+00	4.95E-01	3.50E+01	6.82E+00	2.97E-01	4.26E+01
1755	494961.06	3859001.99	5.7171	3.26971	58.105	5.0329	4.36E-01	3.49E+01	6.42E+00	2.88E-01	4.20E+01	4.23E-01	1.47E-04	6.42E-01	5.63E-02	1.12E+00	4.75E-01	3.49E+01	6.42E+00	2.88E-01	4.21E+01
1756	495011.06	3859001.99	4.90225	3.26041	45.949	4.63454	3.74E-01	3.48E+01	5.08E+00	2.65E-01	4.05E+01	3.63E-01	1.47E-04	5.08E-01	5.19E-02	9.23E-01	4.07E-01	3.48E+01	5.08E+00	2.65E-01	4.05E+01
1757	495061.06	3859001.99	4.8092	3.25118	44.553	4.63349	3.67E-01	3.47E+01	4.93E+00	2.65E-01	4.03E+01	3.56E-01	1.47E-04	4.93E-01	5.19E-02	9.01E-01	3.99E-01	3.47E+01	4.93E+00	2.65E-01	4.03E+01
1758	495111.06	3859001.99	4.51423	3.24203	40.329	4.63996	3.44E-01	3.46E+01	4.46E+00	2.65E-01	3.97E+01	3.34E-01	1.46E-04	4.46E-01	5.19E-02	8.32E-01	3.75E-01	3.46E+01	4.46E+00	2.65E-01	3.97E+01
1759	495161.06	3859001.99	4.88198	3.23295	45.491	4.6209	3.72E-01	3.45E+01	5.03E+00	2.64E-01	4.02E+01	3.61E-01	1.46E-04	5.03E-01	5.17E-02	9.16E-01	4.05E-01	3.45E+01	5.03E+00	2.64E-01	4.02E+01
1760	495211.06	3859001.99	4.8803	3.22394	45.391	4.61578	3.72E-01	3.44E+01	5.02E+00	2.64E-01	4.01E+01	3.61E-01	1.45E-04	5.02E-01	5.17E-02	9.15E-01	4.05E-01	3.44E+01	5.02E+00	2.64E-01	4.01E+01
1761	495261.06	3859001.99	4.94961	3.21498	46.372	4.60783	3.77E-01	3.43E+01	5.13E+00	2.63E-01	4.01E+01	3.66E-01	1.45E-04	5.13E-01	5.16E-02	9.31E-01	4.11E-01	3.43E+01	5.13E+00	2.63E-01	4.01E+01
1762	495311.06	3859001.99	4.92329	3.20611	45.932	4.60315	3.75E-01	3.42E+01	5.08E+00	2.63E-01	3.99E+01	3.64E-01	1.45E-04	5.08E-01	5.15E-02	9.24E-01	4.09E-01	3.42E+01	5.08E+00	2.63E-01	4.00E+01
1763	495361.06	3859001.99	4.98175	3.19731	46.748	4.59534	3.80E-01	3.41E+01	5.17E+00	2.63E-01	3.99E+01	3.69E-01	1.44E-04	5.17E-01	5.14E-02	9.37E-01	4.14E-01	3.41E+01	5.17E+00	2.63E-01	4.00E+01
1764	495411.06	3859001.99	4.99524	3.18859	46.912	4.5889	3.81E-01	3.40E+01	5.19E+00	2.62E-01	3.99E+01	3.70E-01	1.44E-04	5.19E-01	5.14E-02	9.40E-01	4.15E-01	3.40E+01	5.19E+00	2.62E-01	3.99E+01
1765	495461.06	3859001.99	5.02741	3.17997	47.37	4.58167	3.83E-01	3.39E+01	5.24E+00	2.62E-01	3.98E+01	3.72E-01	1.43E-04	5.24E-01	5.13E-02	9.47E-01	4.17E-01	3.39E+01	5.24E+00	2.62E-01	3.99E+01

1766	495511.06	3859001.99	4.87685	3.17142	44.953	4.58069	3.72E-01	3.38E+01	4.97E+00	2.62E-01	3.94E+01	3.61E-01	1.43E-04	4.97E-01	5.13E-02	9.09E-01	4.05E-01	3.38E+01	4.97E+00	2.62E-01	3.95E+01
1767	495561.06	3859001.99	4.81923	3.16294	44.014	4.5762	3.67E-01	3.38E+01	4.87E+00	2.62E-01	3.92E+01	3.57E-01	1.43E-04	4.87E-01	5.12E-02	8.95E-01	4.00E-01	3.38E+01	4.87E+00	2.62E-01	3.93E+01
1768	495611.06	3859001.99	4.74592	3.15452	42.817	4.57214	3.62E-01	3.37E+01	4.73E+00	2.61E-01	3.90E+01	3.51E-01	1.42E-04	4.73E-01	5.12E-02	8.76E-01	3.94E-01	3.37E+01	4.73E+00	2.61E-01	3.91E+01
1769	495661.06	3859001.99	4.90125	3.14616	45.142	4.56004	3.74E-01	3.36E+01	4.99E+00	2.61E-01	3.92E+01	3.63E-01	1.42E-04	4.99E-01	5.10E-02	9.13E-01	4.07E-01	3.36E+01	4.99E+00	2.61E-01	3.92E+01
1770	494311.06	3859051.99	9.49968	3.25916	86.818	12.75856	7.24E-01	3.48E+01	9.60E+00	7.30E-01	4.58E+01	7.03E-01	1.47E-04	9.60E-01	1.43E-01	1.81E+00	7.89E-01	3.48E+01	9.60E+00	7.30E-01	4.59E+01
1771	494361.06	3859051.99	9.51481	3.24906	65.948	9.60852	7.25E-01	3.47E+01	7.29E+00	5.49E-01	4.32E+01	7.04E-01	1.46E-04	7.29E-01	1.08E-01	1.54E+00	7.90E-01	3.47E+01	7.29E+00	5.49E-01	4.33E+01
1772	494411.06	3859051.99	9.37167	3.23905	67.017	9.41854	7.14E-01	3.46E+01	7.41E+00	5.39E-01	4.32E+01	6.94E-01	1.46E-04	7.41E-01	1.05E-01	1.54E+00	7.78E-01	3.46E+01	7.41E+00	5.39E-01	4.33E+01
1773	494461.06	3859051.99	9.19133	3.22911	67.921	9.16635	7.01E-01	3.45E+01	7.51E+00	5.24E-01	4.32E+01	6.80E-01	1.46E-04	7.51E-01	1.03E-01	1.53E+00	7.63E-01	3.45E+01	7.51E+00	5.24E-01	4.33E+01
1774	494511.06	3859051.99	8.93614	3.21924	68.481	8.8057	6.81E-01	3.44E+01	7.57E+00	5.04E-01	4.31E+01	6.62E-01	1.45E-04	7.57E-01	9.86E-02	1.52E+00	7.42E-01	3.44E+01	7.57E+00	5.04E-01	4.32E+01
1775	494561.06	3859051.99	8.72329	3.20944	68.983	8.49606	6.65E-01	3.43E+01	7.63E+00	4.86E-01	4.30E+01	6.46E-01	1.45E-04	7.63E-01	9.51E-02	1.50E+00	7.24E-01	3.43E+01	7.63E+00	4.86E-01	4.31E+01
1776	494611.06	3859051.99	8.41582	3.19973	68.862	8.03171	6.41E-01	3.41E+01	7.61E+00	4.59E-01	4.29E+01	6.23E-01	1.44E-04	7.61E-01	8.99E-02	1.47E+00	6.99E-01	3.41E+01	7.61E+00	4.59E-01	4.29E+01
1777	494661.06	3859051.99	8.07523	3.19016	68.137	7.50382	6.16E-01	3.40E+01	7.53E+00	4.29E-01	4.26E+01	5.98E-01	1.44E-04	7.53E-01	8.40E-02	1.44E+00	6.70E-01	3.40E+01	7.53E+00	4.29E-01	4.27E+01
1778	494711.06	3859051.99	7.75311	3.18069	67.118	7.00419	5.91E-01	3.39E+01	7.42E+00	4.01E-01	4.24E+01	5.74E-01	1.43E-04	7.42E-01	7.84E-02	1.39E+00	6.44E-01	3.39E+01	7.42E+00	4.01E-01	4.24E+01
1779	494761.06	3859051.99	7.41402	3.17132	65.548	6.47725	5.65E-01	3.38E+01	7.25E+00	3.70E-01	4.20E+01	5.49E-01	1.43E-04	7.25E-01	7.25E-02	1.35E+00	6.16E-01	3.38E+01	7.25E+00	3.70E-01	4.21E+01
1780	494811.06	3859051.99	7.17598	3.1758	64.621	6.11983	5.47E-01	3.39E+01	7.14E+00	3.50E-01	4.19E+01	5.31E-01	1.43E-04	7.14E-01	6.85E-02	1.31E+00	5.96E-01	3.39E+01	7.14E+00	3.50E-01	4.20E+01
1781	494861.06	3859051.99	6.9282	3.15281	63.403	5.75417	5.28E-01	3.36E+01	7.01E+00	3.29E-01	4.15E+01	5.13E-01	1.42E-04	7.01E-01	6.44E-02	1.28E+00	5.75E-01	3.36E+01	7.01E+00	3.29E-01	4.16E+01
1782	494911.06	3859051.99	6.53419	3.14368	60.214	5.34718	4.98E-01	3.35E+01	6.66E+00	3.06E-01	4.10E+01	4.84E-01	1.42E-04	6.66E-01	5.99E-02	1.21E+00	5.42E-01	3.35E+01	6.66E+00	3.06E-01	4.11E+01
1783	494961.06	3859051.99	5.94992	3.13462	54	5.07759	4.54E-01	3.35E+01	5.97E+00	2.90E-01	4.02E+01	4.40E-01	1.41E-04	5.97E-01	5.68E-02	1.09E+00	4.94E-01	3.35E+01	5.97E+00	2.90E-01	4.02E+01
1784	495011.06	3859051.99	5.52133	3.12564	49.423	4.84136	4.21E-01	3.34E+01	5.46E+00	2.77E-01	3.95E+01	4.09E-01	1.41E-04	5.46E-01	5.42E-02	1.01E+00	4.58E-01	3.34E+01	5.46E+00	2.77E-01	3.96E+01
1785	495061.06	3859051.99	5.23594	3.11676	46.678	4.67197	3.99E-01	3.33E+01	5.16E+00	2.67E-01	3.91E+01	3.88E-01	1.40E-04	5.16E-01	5.23E-02	9.56E-01	4.35E-01	3.33E+01	5.16E+00	2.67E-01	3.91E+01
1786	495111.06	3859051.99	5.16332	3.10797	45.765	4.641	3.94E-01	3.32E+01	5.06E+00	2.65E-01	3.89E+01	3.82E-01	1.40E-04	5.06E-01	5.20E-02	9.40E-01	4.29E-01	3.32E+01	5.06E+00	2.65E-01	3.89E+01
1787	495161.06	3859051.99	5.3836	3.09925	48.913	4.67609	4.10E-01	3.31E+01	5.41E+00	2.67E-01	3.92E+01	3.99E-01	1.40E-04	5.41E-01	5.23E-02	9.92E-01	4.47E-01	3.31E+01	5.41E+00	2.67E-01	3.92E+01
1788	495211.06	3859051.99	5.27912	3.09061	47.465	4.62525	4.02E-01	3.30E+01	5.25E+00	2.64E-01	3.89E+01	3.91E-01	1.39E-04	5.25E-01	5.18E-02	9.68E-01	4.38E-01	3.30E+01	5.25E+00	2.64E-01	3.89E+01
1789	495261.06	3859051.99	5.41448	3.08202	49.508	4.61426	4.13E-01	3.29E+01	5.47E+00	2.64E-01	3.90E+01	4.01E-01	1.39E-04	5.47E-01	5.17E-02	1.00E+00	4.50E-01	3.29E+01	5.47E+00	2.64E-01	3.91E+01
1790	495311.06	3859051.99	5.37003	3.07351	48.91	4.6097	4.09E-01	3.28E+01	5.41E+00	2.64E-01	3.89E+01	3.98E-01	1.39E-04	5.41E-01	5.16E-02	9.90E-01	4.46E-01	3.28E+01	5.41E+00	2.64E-01	3.89E+01
1791	495361.06	3859051.99	5.39566	3.0651	49.37	4.60238	4.11E-01	3.27E+01	5.46E+00	2.63E-01	3.88E+01	3.99E-01	1.38E-04	5.46E-01	5.15E-02	9.97E-01	4.48E-01	3.27E+01	5.46E+00	2.63E-01	3.89E+01
1792	495411.06	3859051.99	5.47056	3.05676	50.581	4.59318	4.17E-01	3.26E+01	5.59E+00	2.63E-01	3.89E+01	4.05E-01	1.38E-04	5.59E-01	5.14E-02	1.02E+00	4.54E-01	3.26E+01	5.59E+00	2.63E-01	3.89E+01
1793	495461.06	3859051.99	5.53697	3.04851	51.677	4.5842	4.22E-01	3.25E+01	5.71E+00	2.62E-01	3.89E+01	4.10E-01	1.37E-04	5.71E-01	5.13E-02	1.03E+00	4.60E-01	3.25E+01	5.71E+00	2.62E-01	3.90E+01
1794	495511.06	3859051.99	5.37714	3.04036	49.301	4.58283	4.10E-01	3.24E+01	5.45E+00	2.62E-01	3.86E+01	3.98E-01	1.37E-04	5.45E-01	5.13E-02	9.95E-01	4.46E-01	3.24E+01	5.45E+00	2.62E-01	3.86E+01
1795	495561.06	3859051.99	5.27363	3.03232	47.766	4.57932	4.02E-01	3.24E+01	5.28E+00	2.62E-01	3.83E+01	3.90E-01	1.37E-04	5.28E-01	5.13E-02	9.70E-01	4.38E-01	3.24E+01	5.28E+00	2.62E-01	3.83E+01
1796	495611.06	3859051.99	5.19173	3.02438	46.548	4.57488	3.96E-01	3.23E+01	5.15E+00	2.62E-01	3.81E+01	3.84E-01	1.36E-04	5.15E-01	5.12E-02	9.50E-01	4.31E-01	3.23E+01	5.15E+00	2.62E-01	3.81E+01
1797	495661.06	3859051.99	5.32789	3.01653	48.722	4.56286	4.06E-01	3.22E+01	5.39E+00	2.61E-01	3.82E+01	3.94E-01	1.36E-04	5.39E-01	5.11E-02	9.84E-01	4.42E-01	3.22E+01	5.39E+00	2.61E-01	3.83E+01
1798	494311.06	3859101.99	10.209	3.10662	75.259	10.39635	7.78E-01	3.32E+01	8.32E+00	5.94E-01	4.28E+01	7.56E-01	1.40E-04	8.32E-01	1.16E-01	1.70E+00	8.48E-01	3.32E+01	8.32E+00	5.94E-01	4.29E+01
1799	494361.06	3859101.99	10.1026	3.09699	72.882	10.28816	7.70E-01	3.31E+01	8.06E+00	5.88E-01	4.25E+01	7.48E-01	1.40E-04	8.06E-01	1.15E-01	1.67E+00	8.39E-01	3.31E+01	8.06E+00	5.88E-01	4.25E+01
1800	494411.06	3859101.99	10.0204	3.08746	70.502	10.2056	7.64E-01	3.29E+01	7.79E+00	5.84E-01	4.21E+01	7.42E-01	1.39E-04	7.79E-01	1.14E-01	1.64E+00	8.32E-01	3.29E+01	7.79E+00	5.84E-01	4.22E+01
1801	494461.06	3859101.99	9.83369	3.07804	68.113	9.99681	7.50E-01	3.28E+01	7.53E+00	5.72E-01	4.17E+01	7.28E-01	1.39E-04	7.53E-01	1.12E-01	1.59E+00	8.16E-01	3.28E+01	7.53E+00	5.72E-01	4.18E+01
1802	494511.06	3859101.99	9.53931	3.06871	65.451	9.62938	7.27E-01	3.27E+01	7.24E+00	5.51E-01	4.13E+01	7.06E-01	1.38E-04	7.24E-01	1.08E-01	1.54E+00	7.92E-01	3.27E+01	7.24E+00	5.51E-01	4.13E+01
1803	494561.06	3859101.99	9.30638	3.06916	62.731	9.32651	7.09E-01	3.28E+01	6.94E+00	5.33E-01	4.09E+01	6.89E-01	1.38E-04	6.94E-01	1.04E-01	1.49E+00	7.73E-01	3.28E+01	6.94E+00	5.33E-01	4.10E+01
1804	494611.06	3859101.99	8.91642	3.08078	60.265	8.77853	6.80E-01	3.29E+01	6.66E+00	5.02E-01	4.07E+01	6.60E-01	1.39E-04	6.66E-01	9.83E-02	1.42E+00	7.40E-01	3.29E+01	6.66E+00	5.02E-01	4.08E+01
1805	494661.06	3859101.99	8.68266	3.09259	60.752	8.438	6.62E-01	3.30E+01	6.72E+00	4.83E-01	4.09E+01	6.43E-01	1.39E-04	6.72E-01	9.45E-02	1.41E+00	7.21E-01	3.30E+01	6.72E+00	4.83E-01	4.09E+01
1806	494711.06	3859101.99	8.22402	3.10188	59.938	7.73252	6.27E-01	3.31E+01	6.63E+00	4.42E-01	4.08E+01	6.09E-01	1.40E-04	6.63E-01	8.66E-02	1.36E+00	6.83E-01	3.31E+01	6.63E+00	4.42E-01	4.09E+01
1807	494761.06	3859101.99	8.12767	3.11281	60.686	7.5918	6.19E-01	3.32E+01	6.71E+00	4.34E-01	4.10E+01	6.02E-01	1.40E-04	6.71E-01	8.50E-02	1.36E+00	6.75E-01	3.32E+01	6.71E+00	4.34E-01	4.10E+01
1808	494811.06	3859101.99	7.83126	3.12178	60.099	7.12944	5.97E-01	3.33E+01	6.64E+00	4.08E-01	4.10E+01	5.80E-01	1.41E-04	6.64E-01	7.98E-02	1.32E+00	6.50E-01	3.33E+01	6.64E+00	4.08E-01	4.10E+01
1809	494861.06	3859101.99	7.56581	3.12994	59.465	6.72069	5.77E-01	3.34E+01	6.57E+00	3.84E-01	4.09E+01	5.60E-01	1.41E-04	6.57E-01	7.52E-02	1.29E+00	6.28E-01	3.34E+01	6.57E+00	3.84E-01	4.10E+01
1810	494911.06	3859101.99	7.16106	2.99739	57.315	6.08576	5.46E-01	3.20E+01	6.34E+00	3.48E-01	3.92E+01	5.30E-01	1.35E-04	6.34E-01	6.81E-02	1.23E+00	5.95E-01	3.20E+01	6.34E+00	3.48E-01	3.93E+01
1811	494961.06	3859101.99	6.5319	2.98892	52.2	5.17988	4.98E-01	3.19E+01	5.77E+00	2.96E-01	3.85E+01	4.84E-01	1.35E-04	5.77E-01	5.80E-02	1.12E+00	5.42E-01	3.19E+01	5.77E+00	2.96E-01	3.85E+01
1812	495011.06	3859101.99	5.87775	2.98056	45.891	4.85846	4.48E-01	3.18E+01	5.07E+00	2.78E-01	3.76E+01	4.35E-01	1.34E-04	5.07E-01	5.44E-02	9.97E-01	4.88E-01	3.18E+01	5.07E+00	2.78E-01	3.76E+01
1813	495061.06	3859101.99	5.89451	2.97233	47.327	4.86099	4.49E-01	3.17E+01	5.23E+00	2.78E-01	3.77E+01	4.36E-01	1.34E-04	5.23E-01	5.44E-02	1.01E+00	4.89E-01	3.17E+01	5.23E+00	2.78E-01	3.77E+01
1814	495111.06	3859101.99	5.72088	2.96422	46.45	4.76308	4.36E-01	3.16E+01	5.14E+00	2.72E-01	3.75E+01	4.24E-01	1.34E-04	5.14E-01	5.33E-02	9.91E-01	4.75E-01	3.16E+01	5.14E+00	2.72E-01	3.75E+01
1815	495161.06	3859101.99	5.83739	2.95622	49.376	4.82831	4.45E-01	3.15E+01	5.46E+00	2.76E-01	3.77E+01	4.32E-01	1.33E-04	5.46E-01	5.40E-02	1.03E+00	4.85E-01	3.15E+01	5.46E+00	2.76E-01	3.78E+01
1816	495211.06	3859101.99	5.69562	2.94831	48.633	4.74018	4.34E-01	3.15E+01	5.38E+00	2.71E-01	3.75E+01	4.22E-01	1.33E-04	5.38E-01	5.31E-02	1.01E+00	4.73E-01	3.15E+01	5.38E+00	2.71E-01	3.76E+01
1817	495261.06	3859101.99	5.79283	2.9405	50.04	4.74056	4.42E-01	3.14E+01	5.53E+00	2.71E-01	3.76E+01	4.29E-01	1.33E-04	5.53E-01	5.31E-02	1.04E+00	4.81E-01	3.14E+01	5.53E+00	2.71E-01	3.77E+01
1818	495311.06	3859101.99	5.8178	2.93278	53.883	4.75658	4.43E-01	3.13E+01	5.96E+00	2.72E-01	3.80E+01	4.31E-01	1.32E-04	5.96E-01	5.32E-02	1.08E+00	4.83E-01	3.13E+01	5.96E+00	2.72E-01	3.80E+01
1819	495361.06	3859101.99	5.91901	2.92518	52.11	4.70979	4.51E-01	3.12E+01	5.76E+00	2.69E-01	3.77E+01	4.38E-01	1.32E-04	5.76E-01	5.27E-02	1.07E+00	4.91E-01	3.12E+01	5.76E+00	2.69E-01	3.77E+01
1820	495411.06	3859101.99	5.96036	2.91769	52.883	4.68443	4.54E-01	3.11E+01	5.85E+00	2.68E-01	3.77E+01	4.41E-01	1.32E-04	5.85E-01	5.24E-02	1.08E+00	4.95E-01	3.11E+01	5.85E+00	2.68E-01	3.77E+01
1821	495461.06	3859101.99	5.9206	2.9103	57.423	4.67266	4.51E-01	3.11E+01	6.35E+00	2.67E-01	3.81E+01	4.38E-01	1.31E-04	6.35E-01	5.23E-02	1.13E+00	4.92E-01	3.11E+01	6.35E+00	2.67E-01	3.82E+01
1822	495511.06	3859101.99	5.91378	2.903	57.461	4.62533	4.51E-01	3.10E+01	6.35E+00	2.64E-01	3.80E+01	4.38E-01	1.31E-04	6.35E-01	5.18E-02	1.13E+00	4.91E-01	3.10E+01	6.35E+00	2.64E-01	3.81E+01
1823	495561.06	3859101.99	5.79213	2.8958	51.276	4.57269	4.41E-01	3.09E+01	5.67E+00	2.61E-01	3.73E+01	4.29E-01	1.31E-04	5.67E-01	5.12E-02	1.05E+00	4.81E-01	3.09E+01	5.67E+00	2.61E-01	3.73E+01
1824	495611.06	3859101.99	5.67823	2.8887	49.854	4.56865	4.33E-01	3.08E+01	5.51E+00	2.61E-01	3.70E+01	4.20E-01	1.30E-04	5.51E-01	5.11E-02	1.02E+00	4.71E-01	3.08E+01	5.51E+00	2.61E-01	3.71E+01
1825	495661.06	3859101.99	5.73954	2.88171	50.928	4.55872	4.37E-01	3.08E+01	5.63E+00	2.61E-01	3.71E+01	4.25E-01	1.30E-04	5.63E-01	5.10E-02	1.04E+00	4.77E-01	3.08E+01	5.63E+00	2.61E-01	3.71E+01
1826	494311.06	3859151.99	10.8329	2.94434	83.446	10.75611	8.26E-01	3.14E+01	9.23E+00	6.15E-01	4.21E+01	8.02E-01	1.33E-04	9.23E-01	1.20E-01	1.85E+00	8.99E-01	3.14E+01	9.23E+00	6.15E-01	4.22E+01

1827	494361.06	3859151.99	10.7117	2.9355	81.197	10.74153	8.16E-01	3.13E+01	8.98E+00	6.14E-01	4.17E+01	7.93E-01	1.32E-04	8.98E-01	1.20E-01	1.81E+00	8.89E-01	3.13E+01	8.98E+00	6.14E-01	4.18E+01
1828	494411.06	3859151.99	10.5118	2.92679	79.638	10.60709	8.01E-01	3.12E+01	8.80E+00	6.07E-01	4.14E+01	7.78E-01	1.32E-04	8.80E-01	1.19E-01	1.78E+00	8.73E-01	3.12E+01	8.80E+00	6.07E-01	4.15E+01
1829	494461.06	3859151.99	10.2972	2.94055	77.853	10.43181	7.85E-01	3.14E+01	8.61E+00	5.97E-01	4.14E+01	7.62E-01	1.33E-04	8.61E-01	1.17E-01	1.74E+00	8.55E-01	3.14E+01	8.61E+00	5.97E-01	4.14E+01
1830	494511.06	3859151.99	9.99443	2.95768	75.857	10.13119	7.62E-01	3.16E+01	8.39E+00	5.79E-01	4.13E+01	7.40E-01	1.33E-04	8.39E-01	1.13E-01	1.69E+00	8.30E-01	3.16E+01	8.39E+00	5.79E-01	4.14E+01
1831	494561.06	3859151.99	9.82491	2.97542	73.525	9.94893	7.49E-01	3.18E+01	8.13E+00	5.69E-01	4.12E+01	7.27E-01	1.34E-04	8.13E-01	1.11E-01	1.65E+00	8.16E-01	3.18E+01	8.13E+00	5.69E-01	4.13E+01
1832	494611.06	3859151.99	9.49603	2.99089	70.805	9.5528	7.24E-01	3.19E+01	7.83E+00	5.46E-01	4.10E+01	7.03E-01	1.35E-04	7.83E-01	1.07E-01	1.59E+00	7.88E-01	3.19E+01	7.83E+00	5.46E-01	4.11E+01
1833	494661.06	3859151.99	9.29927	3.00643	68.133	9.29814	7.09E-01	3.21E+01	7.53E+00	5.32E-01	4.09E+01	6.88E-01	1.36E-04	7.53E-01	1.04E-01	1.55E+00	7.72E-01	3.21E+01	7.53E+00	5.32E-01	4.09E+01
1834	494711.06	3859151.99	9.13085	3.02179	65.512	9.07578	6.96E-01	3.22E+01	7.24E+00	5.19E-01	4.07E+01	6.76E-01	1.36E-04	7.24E-01	1.02E-01	1.50E+00	7.58E-01	3.22E+01	7.24E+00	5.19E-01	4.08E+01
1835	494761.06	3859151.99	8.71861	3.03468	61.685	8.485	6.65E-01	3.24E+01	6.82E+00	4.85E-01	4.04E+01	6.45E-01	1.37E-04	6.82E-01	9.50E-02	1.42E+00	7.24E-01	3.24E+01	6.82E+00	4.85E-01	4.04E+01
1836	494811.06	3859151.99	8.3766	3.04704	57.855	7.96484	6.38E-01	3.25E+01	6.40E+00	4.55E-01	4.00E+01	6.20E-01	1.37E-04	6.40E-01	8.92E-02	1.35E+00	6.95E-01	3.25E+01	6.40E+00	4.55E-01	4.01E+01
1837	494861.06	3859151.99	8.16581	3.05935	54.802	7.6451	6.22E-01	3.26E+01	6.06E+00	4.37E-01	3.98E+01	6.05E-01	1.38E-04	6.06E-01	8.56E-02	1.30E+00	6.78E-01	3.26E+01	6.06E+00	4.37E-01	3.98E+01
1838	494911.06	3859151.99	7.71889	3.06978	52.237	6.9353	5.88E-01	3.28E+01	5.78E+00	3.97E-01	3.95E+01	5.71E-01	1.38E-04	5.78E-01	7.76E-02	1.23E+00	6.41E-01	3.28E+01	5.78E+00	3.97E-01	3.96E+01
1839	494961.06	3859151.99	7.1038	2.83921	51.241	6.26393	5.41E-01	3.03E+01	5.67E+00	3.58E-01	3.69E+01	5.26E-01	1.28E-04	5.67E-01	7.01E-02	1.16E+00	5.90E-01	3.03E+01	5.67E+00	3.58E-01	3.69E+01
1840	495011.06	3859151.99	6.50507	2.83189	44.64	5.02772	4.96E-01	3.02E+01	4.94E+00	2.88E-01	3.59E+01	4.82E-01	1.28E-04	4.94E-01	5.63E-02	1.03E+00	5.40E-01	3.02E+01	4.94E+00	2.88E-01	3.60E+01
1841	495061.06	3859151.99	6.47522	2.82468	45.501	5.00086	4.94E-01	3.01E+01	5.03E+00	2.86E-01	3.60E+01	4.79E-01	1.27E-04	5.03E-01	5.60E-02	1.04E+00	5.38E-01	3.01E+01	5.03E+00	2.86E-01	3.60E+01
1842	495111.06	3859151.99	6.38122	2.8176	45.771	4.88546	4.86E-01	3.01E+01	5.06E+00	2.79E-01	3.59E+01	4.72E-01	1.27E-04	5.06E-01	5.47E-02	1.03E+00	5.30E-01	3.01E+01	5.06E+00	2.79E-01	3.59E+01
1843	495161.06	3859151.99	6.51334	2.81064	48.447	5.12833	4.96E-01	3.00E+01	5.36E+00	2.93E-01	3.61E+01	4.82E-01	1.27E-04	5.36E-01	5.74E-02	1.08E+00	5.41E-01	3.00E+01	5.36E+00	2.93E-01	3.62E+01
1844	495211.06	3859151.99	6.42446	2.80381	48.924	5.03907	4.90E-01	2.99E+01	5.41E+00	2.88E-01	3.61E+01	4.76E-01	1.26E-04	5.41E-01	5.64E-02	1.07E+00	5.33E-01	2.99E+01	5.41E+00	2.88E-01	3.62E+01
1845	495261.06	3859151.99	6.33695	2.79707	49.436	4.95801	4.83E-01	2.98E+01	5.47E+00	2.84E-01	3.61E+01	4.69E-01	1.26E-04	5.47E-01	5.55E-02	1.07E+00	5.26E-01	2.98E+01	5.47E+00	2.84E-01	3.61E+01
1846	495311.06	3859151.99	6.26548	2.79042	50.219	4.91659	4.78E-01	2.98E+01	5.55E+00	2.81E-01	3.61E+01	4.64E-01	1.26E-04	5.55E-01	5.50E-02	1.07E+00	5.20E-01	2.98E+01	5.55E+00	2.81E-01	3.61E+01
1847	495361.06	3859151.99	6.24657	2.78387	50.775	4.84501	4.76E-01	2.97E+01	5.61E+00	2.77E-01	3.61E+01	4.62E-01	1.25E-04	5.61E-01	5.42E-02	1.08E+00	5.19E-01	2.97E+01	5.61E+00	2.77E-01	3.61E+01
1848	495411.06	3859151.99	6.43236	2.77744	53.23	5.03065	4.90E-01	2.96E+01	5.89E+00	2.88E-01	3.63E+01	4.76E-01	1.25E-04	5.89E-01	5.63E-02	1.12E+00	5.34E-01	2.96E+01	5.89E+00	2.88E-01	3.63E+01
1849	495461.06	3859151.99	6.45968	2.77112	53.898	4.97049	4.92E-01	2.96E+01	5.96E+00	2.84E-01	3.63E+01	4.78E-01	1.25E-04	5.96E-01	5.56E-02	1.13E+00	5.36E-01	2.96E+01	5.96E+00	2.84E-01	3.64E+01
1850	495511.06	3859151.99	6.32949	2.76492	52.758	4.68072	4.82E-01	2.95E+01	5.83E+00	2.68E-01	3.61E+01	4.69E-01	1.25E-04	5.83E-01	5.24E-02	1.10E+00	5.25E-01	2.95E+01	5.83E+00	2.68E-01	3.61E+01
1851	495561.06	3859151.99	6.2584	2.7588	52.281	4.56032	4.77E-01	2.94E+01	5.78E+00	2.61E-01	3.60E+01	4.63E-01	1.24E-04	5.78E-01	5.10E-02	1.09E+00	5.20E-01	2.94E+01	5.78E+00	2.61E-01	3.60E+01
1852	495611.06	3859151.99	6.211	2.75279	52.028	4.55366	4.73E-01	2.94E+01	5.75E+00	2.60E-01	3.59E+01	4.60E-01	1.24E-04	5.75E-01	5.10E-02	1.09E+00	5.16E-01	2.94E+01	5.75E+00	2.60E-01	3.59E+01
1853	495661.06	3859151.99	6.17915	2.74687	51.99	4.54624	4.71E-01	2.93E+01	5.75E+00	2.60E-01	3.58E+01	4.57E-01	1.24E-04	5.75E-01	5.09E-02	1.08E+00	5.13E-01	2.93E+01	5.75E+00	2.60E-01	3.58E+01
1854	494311.06	3859201.99	11.3619	2.77993	87.689	10.74622	8.66E-01	2.97E+01	9.69E+00	6.15E-01	4.08E+01	8.41E-01	1.25E-04	9.69E-01	1.20E-01	1.93E+00	9.43E-01	2.97E+01	9.69E+00	6.15E-01	4.09E+01
1855	494361.06	3859201.99	11.214	2.78426	86.372	10.7573	8.55E-01	2.97E+01	9.55E+00	6.15E-01	4.07E+01	8.30E-01	1.26E-04	9.55E-01	1.20E-01	1.91E+00	9.31E-01	2.97E+01	9.55E+00	6.15E-01	4.08E+01
1856	494411.06	3859201.99	11.021	2.80593	85.481	10.73623	8.40E-01	2.99E+01	9.45E+00	6.14E-01	4.08E+01	8.16E-01	1.26E-04	9.45E-01	1.20E-01	1.88E+00	9.15E-01	2.99E+01	9.45E+00	6.14E-01	4.09E+01
1857	494461.06	3859201.99	10.7486	2.82638	85.055	10.636	8.19E-01	3.02E+01	9.40E+00	6.08E-01	4.10E+01	7.96E-01	1.27E-04	9.40E-01	1.19E-01	1.86E+00	8.92E-01	3.02E+01	9.40E+00	6.08E-01	4.11E+01
1858	494511.06	3859201.99	10.5575	2.84795	83.628	10.5513	8.05E-01	3.04E+01	9.25E+00	6.03E-01	4.10E+01	7.82E-01	1.28E-04	9.25E-01	1.18E-01	1.82E+00	8.76E-01	3.04E+01	9.25E+00	6.03E-01	4.11E+01
1859	494561.06	3859201.99	10.2548	2.86681	82.456	10.31324	7.82E-01	3.06E+01	9.12E+00	5.90E-01	4.11E+01	7.59E-01	1.29E-04	9.12E-01	1.15E-01	1.79E+00	8.51E-01	3.06E+01	9.12E+00	5.90E-01	4.12E+01
1860	494611.06	3859201.99	10.0122	2.88576	80.56	10.08927	7.63E-01	3.08E+01	8.91E+00	5.77E-01	4.10E+01	7.41E-01	1.30E-04	8.91E-01	1.13E-01	1.74E+00	8.31E-01	3.08E+01	8.91E+00	5.77E-01	4.11E+01
1861	494661.06	3859201.99	9.82301	2.90518	78.365	9.89672	7.49E-01	3.10E+01	8.66E+00	5.66E-01	4.10E+01	7.27E-01	1.31E-04	8.66E-01	1.11E-01	1.70E+00	8.16E-01	3.10E+01	8.66E+00	5.66E-01	4.10E+01
1862	494711.06	3859201.99	9.62926	2.92344	76.003	9.67804	7.34E-01	3.12E+01	8.40E+00	5.53E-01	4.09E+01	7.13E-01	1.32E-04	8.40E-01	1.08E-01	1.66E+00	7.99E-01	3.12E+01	8.40E+00	5.53E-01	4.10E+01
1863	494761.06	3859201.99	9.26032	2.93952	72.959	9.212	7.06E-01	3.14E+01	8.07E+00	5.27E-01	4.07E+01	6.86E-01	1.33E-04	8.07E-01	1.03E-01	1.60E+00	7.69E-01	3.14E+01	8.07E+00	5.27E-01	4.07E+01
1864	494811.06	3859201.99	8.95574	2.95573	69.679	8.79463	6.83E-01	3.15E+01	7.70E+00	5.03E-01	4.04E+01	6.63E-01	1.33E-04	7.70E-01	9.84E-02	1.53E+00	7.44E-01	3.15E+01	7.70E+00	5.03E-01	4.05E+01
1865	494861.06	3859201.99	8.58955	2.97138	66.637	8.50916	6.55E-01	3.17E+01	7.37E+00	4.87E-01	4.02E+01	6.36E-01	1.34E-04	7.37E-01	9.53E-02	1.47E+00	7.13E-01	3.17E+01	7.37E+00	4.87E-01	4.03E+01
1866	494911.06	3859201.99	8.09879	2.98421	60.396	7.49088	6.17E-01	3.18E+01	6.68E+00	4.28E-01	3.96E+01	6.00E-01	1.35E-04	6.68E-01	8.39E-02	1.35E+00	6.72E-01	3.18E+01	6.68E+00	4.28E-01	3.96E+01
1867	494961.06	3859201.99	7.56843	2.99687	54.213	6.64223	5.77E-01	3.20E+01	5.99E+00	3.80E-01	3.89E+01	5.60E-01	1.35E-04	5.99E-01	7.44E-02	1.23E+00	6.28E-01	3.20E+01	5.99E+00	3.80E-01	3.90E+01
1868	495011.06	3859201.99	6.8394	2.68552	45.983	5.54795	5.21E-01	2.87E+01	5.08E+00	3.17E-01	3.46E+01	5.06E-01	1.21E-04	5.08E-01	6.21E-02	1.08E+00	5.68E-01	2.87E+01	5.08E+00	3.17E-01	3.46E+01
1869	495061.06	3859201.99	7.15226	2.67971	47.638	6.00273	5.45E-01	2.86E+01	5.27E+00	3.43E-01	3.48E+01	5.30E-01	1.21E-04	5.27E-01	6.72E-02	1.12E+00	5.94E-01	2.86E+01	5.27E+00	3.43E-01	3.48E+01
1870	495111.06	3859201.99	7.16665	2.67399	46.631	6.05247	5.46E-01	2.85E+01	5.16E+00	3.46E-01	3.46E+01	5.31E-01	1.21E-04	5.16E-01	6.78E-02	1.11E+00	5.95E-01	2.85E+01	5.16E+00	3.46E-01	3.46E+01
1871	495161.06	3859201.99	7.13733	2.66837	45.429	6.03569	5.44E-01	2.85E+01	5.02E+00	3.45E-01	3.44E+01	5.28E-01	1.20E-04	5.02E-01	6.76E-02	1.10E+00	5.93E-01	2.85E+01	5.02E+00	3.45E-01	3.44E+01
1872	495211.06	3859201.99	6.99439	2.66288	45.561	5.83835	5.33E-01	2.84E+01	5.04E+00	3.34E-01	3.43E+01	5.18E-01	1.20E-04	5.04E-01	6.54E-02	1.09E+00	5.81E-01	2.84E+01	5.04E+00	3.34E-01	3.44E+01
1873	495261.06	3859201.99	6.99558	2.6575	46.909	5.89318	5.33E-01	2.84E+01	5.19E+00	3.37E-01	3.44E+01	5.18E-01	1.20E-04	5.19E-01	6.60E-02	1.10E+00	5.81E-01	2.84E+01	5.19E+00	3.37E-01	3.45E+01
1874	495311.06	3859201.99	6.93706	2.65221	47.807	5.85519	5.29E-01	2.83E+01	5.29E+00	3.35E-01	3.45E+01	5.14E-01	1.20E-04	5.29E-01	6.55E-02	1.11E+00	5.76E-01	2.83E+01	5.29E+00	3.35E-01	3.45E+01
1875	495361.06	3859201.99	6.89471	2.64699	48.902	5.85513	5.26E-01	2.82E+01	5.41E+00	3.35E-01	3.45E+01	5.10E-01	1.19E-04	5.41E-01	6.55E-02	1.12E+00	5.72E-01	2.82E+01	5.41E+00	3.35E-01	3.46E+01
1876	495411.06	3859201.99	6.93195	3.10069	50.779	6.00623	5.28E-01	3.31E+01	5.61E+00	3.43E-01	3.96E+01	5.13E-01	1.40E-04	5.61E-01	6.72E-02	1.14E+00	5.75E-01	3.31E+01	5.61E+00	3.43E-01	3.96E+01
1877	495461.06	3859201.99	6.80138	3.1083	51.257	5.88151	5.18E-01	3.32E+01	5.67E+00	3.36E-01	3.97E+01	5.04E-01	1.40E-04	5.67E-01	6.58E-02	1.14E+00	5.65E-01	3.32E+01	5.67E+00	3.36E-01	3.97E+01
1878	495511.06	3859201.99	6.79081	2.63201	51.722	5.75977	5.18E-01	2.81E+01	5.72E+00	3.29E-01	3.47E+01	5.03E-01	1.19E-04	5.72E-01	6.45E-02	1.14E+00	5.64E-01	2.81E+01	5.72E+00	3.29E-01	3.47E+01
1879	495561.06	3859201.99	6.65125	2.62725	50.861	5.41715	5.07E-01	2.80E+01	5.62E+00	3.10E-01	3.45E+01	4.92E-01	1.18E-04	5.62E-01	6.06E-02	1.12E+00	5.52E-01	2.80E+01	5.62E+00	3.10E-01	3.45E+01
1880	495611.06	3859201.99	6.57675	2.62258	50.578	5.19598	5.01E-01	2.80E+01	5.59E+00	2.97E-01	3.44E+01	4.87E-01	1.18E-04	5.59E-01	5.82E-02	1.10E+00	5.46E-01	2.80E+01	5.59E+00	2.97E-01	3.44E+01
1881	495661.06	3859201.99	6.55861	2.618	50.834	5.06952	5.00E-01	2.79E+01	5.62E+00	2.90E-01	3.43E+01	4.86E-01	1.18E-04	5.62E-01	5.67E-02	1.10E+00	5.45E-01	2.79E+01	5.62E+00	2.90E-01	3.44E+01
1882	494311.06	3859251.99	11.8004	2.63673	87.278	10.38743	8.99E-01	2.81E+01	9.65E+00	5.94E-01	3.93E+01	8.74E-01	1.19E-04	9.65E-01	1.16E-01	1.95E+00	9.80E-01	2.81E+01	9.65E+00	5.94E-01	3.94E+01
1883	494361.06	3859251.99	11.6284	2.65992	87.799	10.48084	8.86E-01	2.84E+01	9.71E+00	5.99E-01	3.96E+01	8.61E-01	1.20E-04	9.71E-01	1.17E-01	1.95E+00	9.65E-01	2.84E+01	9.71E+00	5.99E-01	3.97E+01
1884	494411.06	3859251.99	11.3916	2.68231	89.135	10.54627	8.68E-01	2.86E+01	9.85E+00	6.03E-01	4.00E+01	8.43E-01	1.21E-04	9.85E-01	1.18E-01	1.95E+00	9.46E-01	2.86E+01	9.85E+00	6.03E-01	4.00E+01
1885	494461.06	3859251.99	11.2151	2.70618	88.784	10.57053	8.55E-01	2.89E+01	9.82E+00	6.04E-01	4.02E+01	8.30E-01	1.22E-04	9.82E-01	1.18E-01	1.93E+00	9.31E-01	2.89E+01	9.82E+00	6.04E-01	4.02E+01
1886	494511.06	3859251.99	10.9296	2.72717	89.408	10.5165	8.33E-01	2.91E+01	9.89E+00	6.01E-01	4.04E+01	8.09E-01	1.23E-04	9.89E-01	1.18E-01	1.92E+00	9.07E-01	2.91E+01	9.89E+00	6.01E-01	4.05E+01
1887	494561.06	3859251.99	10.7204	2.74942	88.555	10.45964	8.17E-01	2.93E+01	9.79E+00	5.98E-01	4.05E+01	7.94E-01	1.24E-04	9.79E-01	1.17E-01	1.89E+00	8.90E-01	2.93E+01	9.79E+00	5.98E-01	4.06E+01

1888	494611.06	3859251.99	10.4473	2.77096	87.762	10.31337	7.96E-01	2.96E+01	9.70E+00	5.90E-01	4.07E+01	7.73E-01	1.25E-04	9.70E-01	1.15E-01	1.86E+00	8.67E-01	2.96E+01	9.70E+00	5.90E-01	4.07E+01
1889	494661.06	3859251.99	10.2817	2.79244	86.073	10.2465	7.84E-01	2.98E+01	9.52E+00	5.86E-01	4.07E+01	7.61E-01	1.26E-04	9.52E-01	1.15E-01	1.83E+00	8.54E-01	2.98E+01	9.52E+00	5.86E-01	4.08E+01
1890	494711.06	3859251.99	10.0994	2.81305	84.418	10.1005	7.70E-01	3.00E+01	9.33E+00	5.78E-01	4.07E+01	7.48E-01	1.27E-04	9.33E-01	1.13E-01	1.79E+00	8.38E-01	3.00E+01	9.33E+00	5.78E-01	4.08E+01
1891	494761.06	3859251.99	9.53263	2.83093	82.674	9.67163	7.27E-01	3.02E+01	9.14E+00	5.53E-01	4.06E+01	7.06E-01	1.28E-04	9.14E-01	1.08E-01	1.73E+00	7.91E-01	3.02E+01	9.14E+00	5.53E-01	4.07E+01
1892	494811.06	3859251.99	9.4813	2.85106	79.991	9.43047	7.23E-01	3.04E+01	8.84E+00	5.39E-01	4.05E+01	7.02E-01	1.29E-04	8.84E-01	1.06E-01	1.69E+00	7.87E-01	3.04E+01	8.84E+00	5.39E-01	4.06E+01
1893	494861.06	3859251.99	8.9579	2.86817	76.968	9.02313	6.83E-01	3.06E+01	8.51E+00	5.16E-01	4.03E+01	6.63E-01	1.29E-04	8.51E-01	1.01E-01	1.62E+00	7.44E-01	3.06E+01	8.51E+00	5.16E-01	4.04E+01
1894	494911.06	3859251.99	8.44449	2.88429	70.645	7.9677	6.44E-01	3.08E+01	7.81E+00	4.56E-01	3.97E+01	6.25E-01	1.30E-04	7.81E-01	8.92E-02	1.50E+00	7.01E-01	3.08E+01	7.81E+00	4.56E-01	3.97E+01
1895	494961.06	3859251.99	8.21232	2.90177	67.064	7.61486	6.26E-01	3.10E+01	7.41E+00	4.35E-01	3.94E+01	6.08E-01	1.31E-04	7.41E-01	8.52E-02	1.43E+00	6.82E-01	3.10E+01	7.41E+00	4.35E-01	3.95E+01
1896	495011.06	3859251.99	7.91342	2.9183	62.81	7.1489	6.03E-01	3.11E+01	6.94E+00	4.09E-01	3.91E+01	5.86E-01	1.32E-04	6.94E-01	8.00E-02	1.36E+00	6.57E-01	3.11E+01	6.94E+00	4.09E-01	3.92E+01
1897	495061.06	3859251.99	7.96613	2.93647	61.85	7.26212	6.07E-01	3.13E+01	6.84E+00	4.15E-01	3.92E+01	5.90E-01	1.32E-04	6.84E-01	8.13E-02	1.36E+00	6.61E-01	3.13E+01	6.84E+00	4.15E-01	3.93E+01
1898	495111.06	3859251.99	7.86708	2.95256	59.528	7.12441	6.00E-01	3.15E+01	6.58E+00	4.07E-01	3.91E+01	5.82E-01	1.33E-04	6.58E-01	7.98E-02	1.32E+00	6.53E-01	3.15E+01	6.58E+00	4.07E-01	3.92E+01
1899	495161.06	3859251.99	7.83142	2.96865	57.854	7.09714	5.97E-01	3.17E+01	6.40E+00	4.06E-01	3.91E+01	5.80E-01	1.34E-04	6.40E-01	7.94E-02	1.30E+00	6.50E-01	3.17E+01	6.40E+00	4.06E-01	3.91E+01
1900	495211.06	3859251.99	7.70596	2.98365	55.445	6.92374	5.87E-01	3.18E+01	6.13E+00	3.96E-01	3.90E+01	5.70E-01	1.34E-04	6.13E-01	7.75E-02	1.26E+00	6.40E-01	3.18E+01	6.13E+00	3.96E-01	3.90E+01
1901	495261.06	3859251.99	7.67599	2.99857	55.303	7.23379	5.85E-01	3.20E+01	6.11E+00	4.14E-01	3.91E+01	5.68E-01	1.35E-04	6.11E-01	8.10E-02	1.26E+00	6.37E-01	3.20E+01	6.11E+00	4.14E-01	3.92E+01
1902	495311.06	3859251.99	7.67347	3.01206	52.818	6.96875	5.85E-01	3.21E+01	5.84E+00	3.98E-01	3.90E+01	5.68E-01	1.36E-04	5.84E-01	7.80E-02	1.23E+00	6.37E-01	3.21E+01	5.84E+00	3.98E-01	3.90E+01
1903	495361.06	3859251.99	7.58992	3.02502	51.034	6.88797	5.79E-01	3.23E+01	5.64E+00	3.94E-01	3.89E+01	5.62E-01	1.36E-04	5.64E-01	7.71E-02	1.20E+00	6.30E-01	3.23E+01	5.64E+00	3.94E-01	3.89E+01
1904	495411.06	3859251.99	7.61473	3.03787	50.219	7.00336	5.80E-01	3.24E+01	5.55E+00	4.00E-01	3.90E+01	5.64E-01	1.37E-04	5.55E-01	7.84E-02	1.20E+00	6.32E-01	3.24E+01	5.55E+00	4.00E-01	3.90E+01
1905	495461.06	3859251.99	7.50358	3.049	48.383	6.89385	5.72E-01	3.25E+01	5.35E+00	3.94E-01	3.89E+01	5.56E-01	1.37E-04	5.35E-01	7.72E-02	1.17E+00	6.23E-01	3.25E+01	5.35E+00	3.94E-01	3.89E+01
1906	495511.06	3859251.99	7.25602	3.05863	47.09	6.54434	5.53E-01	3.26E+01	5.21E+00	3.74E-01	3.88E+01	5.37E-01	1.38E-04	5.21E-01	7.33E-02	1.13E+00	6.02E-01	3.26E+01	5.21E+00	3.74E-01	3.88E+01
1907	495561.06	3859251.99	7.10311	3.06802	47.494	6.37278	5.41E-01	3.27E+01	5.25E+00	3.64E-01	3.89E+01	5.26E-01	1.38E-04	5.25E-01	7.13E-02	1.12E+00	5.90E-01	3.27E+01	5.25E+00	3.64E-01	3.89E+01
1908	495611.06	3859251.99	6.87612	3.0759	47.288	6.07377	5.24E-01	3.28E+01	5.23E+00	3.47E-01	3.89E+01	5.09E-01	1.39E-04	5.23E-01	6.80E-02	1.10E+00	5.71E-01	3.28E+01	5.23E+00	3.47E-01	3.90E+01
1909	495661.06	3859251.99	6.83848	3.08377	47.553	5.89895	5.21E-01	3.29E+01	5.26E+00	3.37E-01	3.90E+01	5.06E-01	1.39E-04	5.26E-01	6.60E-02	1.10E+00	5.68E-01	3.29E+01	5.26E+00	3.37E-01	3.91E+01
1910	494311.06	3859301.99	12.1114	2.69716	82.889	9.73786	9.23E-01	2.88E+01	9.16E+00	5.57E-01	3.94E+01	8.97E-01	1.22E-04	9.16E-01	1.09E-01	1.92E+00	1.01E+00	2.88E+01	9.16E+00	5.57E-01	3.95E+01
1911	494361.06	3859301.99	11.9675	2.64395	84.73	9.92826	9.12E-01	2.82E+01	9.37E+00	5.68E-01	3.91E+01	8.86E-01	1.19E-04	9.37E-01	1.11E-01	1.93E+00	9.94E-01	2.82E+01	9.37E+00	5.68E-01	3.91E+01
1912	494411.06	3859301.99	11.7685	2.56153	87.458	10.12041	8.97E-01	2.73E+01	9.67E+00	5.79E-01	3.85E+01	8.71E-01	1.15E-04	9.67E-01	1.13E-01	1.95E+00	9.77E-01	2.73E+01	9.67E+00	5.79E-01	3.86E+01
1913	494461.06	3859301.99	11.5531	2.58303	89.657	10.25161	8.81E-01	2.76E+01	9.91E+00	5.86E-01	3.89E+01	8.55E-01	1.16E-04	9.91E-01	1.15E-01	1.96E+00	9.59E-01	2.76E+01	9.91E+00	5.86E-01	3.90E+01
1914	494511.06	3859301.99	11.3447	2.60605	90.844	10.32115	8.65E-01	2.78E+01	1.00E+01	5.90E-01	3.93E+01	8.40E-01	1.17E-04	1.00E+00	1.16E-01	1.96E+00	9.42E-01	2.78E+01	1.00E+01	5.90E-01	3.94E+01
1915	494561.06	3859301.99	11.1642	2.6293	90.95	10.3546	8.51E-01	2.81E+01	1.01E+01	5.92E-01	3.96E+01	8.27E-01	1.19E-04	1.01E+00	1.16E-01	1.95E+00	9.27E-01	2.81E+01	1.01E+01	5.92E-01	3.96E+01
1916	494611.06	3859301.99	10.9574	2.65166	91.016	10.34925	8.35E-01	2.83E+01	1.01E+01	5.92E-01	3.98E+01	8.11E-01	1.20E-04	1.01E+00	1.16E-01	1.93E+00	9.10E-01	2.83E+01	1.01E+01	5.92E-01	3.99E+01
1917	494661.06	3859301.99	10.7418	2.67423	90.689	10.3075	8.19E-01	2.85E+01	1.00E+01	5.89E-01	4.00E+01	7.95E-01	1.21E-04	1.00E+00	1.15E-01	1.91E+00	8.92E-01	2.85E+01	1.00E+01	5.89E-01	4.00E+01
1918	494711.06	3859301.99	10.4796	2.69579	90.281	10.18888	7.99E-01	2.88E+01	9.98E+00	5.83E-01	4.01E+01	7.76E-01	1.22E-04	9.98E-01	1.14E-01	1.89E+00	8.70E-01	2.88E+01	9.98E+00	5.83E-01	4.02E+01
1919	494761.06	3859301.99	10.2306	2.71695	89.223	10.04605	7.80E-01	2.90E+01	9.86E+00	5.74E-01	4.02E+01	7.57E-01	1.22E-04	9.86E-01	1.12E-01	1.86E+00	8.49E-01	2.90E+01	9.86E+00	5.74E-01	4.03E+01
1920	494811.06	3859301.99	9.87461	2.73725	87.783	9.72132	7.53E-01	2.92E+01	9.71E+00	5.56E-01	4.02E+01	7.31E-01	1.23E-04	9.71E-01	1.09E-01	1.81E+00	8.20E-01	2.92E+01	9.71E+00	5.56E-01	4.03E+01
1921	494861.06	3859301.99	9.3688	2.75576	84.757	9.08286	7.14E-01	2.94E+01	9.37E+00	5.19E-01	4.00E+01	6.94E-01	1.24E-04	9.37E-01	1.02E-01	1.73E+00	7.78E-01	2.94E+01	9.37E+00	5.19E-01	4.01E+01
1922	494911.06	3859301.99	9.08223	2.77567	81.817	8.76618	6.92E-01	2.96E+01	9.05E+00	5.01E-01	3.99E+01	6.72E-01	1.25E-04	9.05E-01	9.81E-02	1.68E+00	7.54E-01	2.96E+01	9.05E+00	5.01E-01	3.99E+01
1923	494961.06	3859301.99	8.53957	2.79363	76.757	8.06931	6.51E-01	2.98E+01	8.49E+00	4.61E-01	3.94E+01	6.32E-01	1.26E-04	8.49E-01	9.03E-02	1.57E+00	7.09E-01	2.98E+01	8.49E+00	4.61E-01	3.95E+01
1924	495011.06	3859301.99	8.30346	2.81353	73.757	7.83374	6.33E-01	3.00E+01	8.15E+00	4.48E-01	3.93E+01	6.15E-01	1.27E-04	8.15E-01	8.77E-02	1.52E+00	6.89E-01	3.00E+01	8.15E+00	4.48E-01	3.93E+01
1925	495061.06	3859301.99	8.63659	2.836	75.411	8.53951	6.58E-01	3.03E+01	8.34E+00	4.88E-01	3.97E+01	6.39E-01	1.28E-04	8.34E-01	9.56E-02	1.57E+00	7.17E-01	3.03E+01	8.34E+00	4.88E-01	3.98E+01
1926	495111.06	3859301.99	8.33658	2.85357	71.038	7.95885	6.35E-01	3.05E+01	7.85E+00	4.55E-01	3.94E+01	6.17E-01	1.29E-04	7.85E-01	8.91E-02	1.49E+00	6.92E-01	3.05E+01	7.85E+00	4.55E-01	3.95E+01
1927	495161.06	3859301.99	8.31565	2.87259	68.647	7.79279	6.34E-01	3.07E+01	7.59E+00	4.46E-01	3.93E+01	6.16E-01	1.29E-04	7.59E-01	8.72E-02	1.46E+00	6.90E-01	3.07E+01	7.59E+00	4.46E-01	3.94E+01
1928	495211.06	3859301.99	8.41035	2.8917	67.939	7.98609	6.41E-01	3.09E+01	7.51E+00	4.57E-01	3.95E+01	6.23E-01	1.30E-04	7.51E-01	8.94E-02	1.46E+00	6.98E-01	3.09E+01	7.51E+00	4.57E-01	3.95E+01
1929	495261.06	3859301.99	8.41206	2.90982	66.514	8.03454	6.41E-01	3.11E+01	7.35E+00	4.59E-01	3.95E+01	6.23E-01	1.31E-04	7.35E-01	8.99E-02	1.45E+00	6.98E-01	3.11E+01	7.35E+00	4.59E-01	3.96E+01
1930	495311.06	3859301.99	8.21824	2.92572	63.673	7.76187	6.26E-01	3.12E+01	7.04E+00	4.44E-01	3.93E+01	6.08E-01	1.32E-04	7.04E-01	8.69E-02	1.40E+00	6.82E-01	3.12E+01	7.04E+00	4.44E-01	3.94E+01
1931	495361.06	3859301.99	8.23372	2.94245	62.48	7.84558	6.28E-01	3.14E+01	6.91E+00	4.49E-01	3.94E+01	6.10E-01	1.33E-04	6.91E-01	8.78E-02	1.39E+00	6.84E-01	3.14E+01	6.91E+00	4.49E-01	3.94E+01
1932	495411.06	3859301.99	8.17525	2.95818	60.758	7.80646	6.23E-01	3.16E+01	6.72E+00	4.46E-01	3.94E+01	6.05E-01	1.33E-04	6.72E-01	8.74E-02	1.36E+00	6.79E-01	3.16E+01	6.72E+00	4.46E-01	3.94E+01
1933	495461.06	3859301.99	8.13099	2.97321	59.211	7.80202	6.20E-01	3.17E+01	6.55E+00	4.46E-01	3.93E+01	6.02E-01	1.34E-04	6.55E-01	8.73E-02	1.34E+00	6.75E-01	3.17E+01	6.55E+00	4.46E-01	3.94E+01
1934	495511.06	3859301.99	7.94009	2.98624	56.673	7.55119	6.05E-01	3.19E+01	6.27E+00	4.32E-01	3.92E+01	5.88E-01	1.35E-04	6.27E-01	8.45E-02	1.30E+00	6.59E-01	3.19E+01	6.27E+00	4.32E-01	3.92E+01
1935	495561.06	3859301.99	7.63748	2.99807	53.199	7.09132	5.82E-01	3.20E+01	5.88E+00	4.06E-01	3.89E+01	5.65E-01	1.35E-04	5.88E-01	7.94E-02	1.23E+00	6.34E-01	3.20E+01	5.88E+00	4.06E-01	3.89E+01
1936	495611.06	3859301.99	7.49429	3.01055	51.096	6.92716	5.71E-01	3.21E+01	5.65E+00	3.96E-01	3.87E+01	5.55E-01	1.36E-04	5.65E-01	7.75E-02	1.20E+00	6.22E-01	3.21E+01	5.65E+00	3.96E-01	3.88E+01
1937	495661.06	3859301.99	7.34046	3.02157	48.99	6.75275	5.59E-01	3.22E+01	5.42E+00	3.86E-01	3.86E+01	5.43E-01	1.36E-04	5.42E-01	7.56E-02	1.16E+00	6.09E-01	3.22E+01	5.42E+00	3.86E-01	3.87E+01
1938	494311.06	3859351.99	12.2653	2.77643	76.648	8.95168	9.35E-01	2.96E+01	8.47E+00	5.12E-01	3.96E+01	9.08E-01	1.25E-04	8.47E-01	1.00E-01	1.86E+00	1.02E+00	2.96E+01	8.47E+00	5.12E-01	3.96E+01
1939	494361.06	3859351.99	12.1608	2.73126	79.335	9.20812	9.27E-01	2.91E+01	8.77E+00	5.27E-01	3.94E+01	9.00E-01	1.23E-04	8.77E-01	1.03E-01	1.88E+00	1.01E+00	2.91E+01	8.77E+00	5.27E-01	3.95E+01
1940	494411.06	3859351.99	11.9907	2.64385	83.698	9.51561	9.14E-01	2.82E+01	9.25E+00	5.44E-01	3.89E+01	8.88E-01	1.19E-04	9.25E-01	1.07E-01	1.92E+00	9.95E-01	2.82E+01	9.25E+00	5.44E-01	3.90E+01
1941	494461.06	3859351.99	11.8235	2.57483	86.681	9.73143	9.01E-01	2.75E+01	9.58E+00	5.56E-01	3.85E+01	8.75E-01	1.16E-04	9.58E-01	1.09E-01	1.94E+00	9.82E-01	2.75E+01	9.58E+00	5.56E-01	3.86E+01
1942	494511.06	3859351.99	11.6576	2.5155	88.773	9.88906	8.89E-01	2.68E+01	9.81E+00	5.65E-01	3.81E+01	8.63E-01	1.13E-04	9.81E-01	1.11E-01	1.96E+00	9.68E-01	2.68E+01	9.81E+00	5.65E-01	3.82E+01
1943	494561.06	3859351.99	11.5208	2.51146	89.516	9.99545	8.78E-01	2.68E+01	9.90E+00	5.72E-01	3.81E+01	8.53E-01	1.13E-04	9.90E-01	1.12E-01	1.95E+00	9.56E-01	2.68E+01	9.90E+00	5.72E-01	3.82E+01
1944	494611.06	3859351.99	11.3519	2.53451	90.516	10.0832	8.65E-01	2.70E+01	1.00E+01	5.77E-01	3.85E+01	8.40E-01	1.14E-04	1.00E+00	1.13E-01	1.95E+00	9.42E-01	2.70E+01	1.00E+01	5.77E-01	3.86E+01
1945	494661.06	3859351.99	11.1618	2.55653	91.384	10.1372	8.51E-01	2.73E+01	1.01E+01	5.80E-01	3.88E+01	8.26E-01	1.15E-04	1.01E+00	1.13E-01	1.95E+00	9.27E-01	2.73E+01	1.01E+01	5.80E-01	3.89E+01
1946	494711.06	3859351.99	10.9107	2.57795	92.531	10.1271	8.32E-01	2.75E+01	1.02E+01	5.79E-01	3.92E+01	8.08E-01	1.16E-04	1.02E+00	1.13E-01	1.94E+00	9.06E-01	2.75E+01	1.02E+01	5.79E-01	3.92E+01
1947	494761.06	3859351.99	10.5906	2.59977	93.657	10.16883	8.07E-01	2.77E+01	1.04E+01	5.81E-01	3.95E+01	7.84E-01	1.17E-04	1.04E+00	1.14E-01	1.93E+00	8.79E-01	2.77E+01	1.04E+01	5.81E-01	3.96E+01
1948	494811.06	3859351.99	10.0926	2.61823	93.281	9.5528	7.69E-01	2.79E+01	1.03E+01	5.46E-01	3.96E+01	7.47E-01	1.18E-04	1.03E+00	1.07E-01	1.89E+00	8.38E-01	2.79E+01	1.03E+01	5.46E-01	3.96E+01

1949	494861.06	3859351.99	9.88136	2.63993	91.642	9.40536	7.53E-01	2.82E+01	1.01E+01	5.38E-01	3.96E+01	7.32E-01	1.19E-04	1.01E+00	1.05E-01	1.85E+00	8.20E-01	2.82E+01	1.01E+01	5.38E-01	3.97E+01
1950	494911.06	3859351.99	9.72301	2.6628	89.927	9.3328	7.41E-01	2.84E+01	9.94E+00	5.34E-01	3.96E+01	7.20E-01	1.20E-04	9.94E-01	1.04E-01	1.82E+00	8.07E-01	2.84E+01	9.94E+00	5.34E-01	3.97E+01
1951	494961.06	3859351.99	9.46137	2.68382	87.729	9.089	7.21E-01	2.86E+01	9.70E+00	5.20E-01	3.96E+01	7.00E-01	1.21E-04	9.70E-01	1.02E-01	1.77E+00	7.85E-01	2.86E+01	9.70E+00	5.20E-01	3.96E+01
1952	495011.06	3859351.99	9.26009	2.70496	85.575	8.93143	7.06E-01	2.89E+01	9.46E+00	5.11E-01	3.95E+01	6.86E-01	1.22E-04	9.46E-01	1.00E-01	1.73E+00	7.69E-01	2.89E+01	9.46E+00	5.11E-01	3.96E+01
1953	495061.06	3859351.99	9.39016	2.72831	84.596	9.19084	7.16E-01	2.91E+01	9.35E+00	5.26E-01	3.97E+01	6.95E-01	1.23E-04	9.35E-01	1.03E-01	1.73E+00	7.80E-01	2.91E+01	9.35E+00	5.26E-01	3.98E+01
1954	495111.06	3859351.99	9.2084	2.74891	82.345	8.98772	7.02E-01	2.93E+01	9.10E+00	5.14E-01	3.97E+01	6.82E-01	1.24E-04	9.10E-01	1.01E-01	1.69E+00	7.64E-01	2.93E+01	9.10E+00	5.14E-01	3.97E+01
1955	495161.06	3859351.99	9.14112	2.76974	80.475	8.93633	6.97E-01	2.96E+01	8.90E+00	5.11E-01	3.97E+01	6.77E-01	1.25E-04	8.90E-01	1.00E-01	1.67E+00	7.59E-01	2.96E+01	8.90E+00	5.11E-01	3.97E+01
1956	495211.06	3859351.99	9.05684	2.78982	78.517	8.85696	6.90E-01	2.98E+01	8.68E+00	5.06E-01	3.96E+01	6.71E-01	1.26E-04	8.68E-01	9.91E-02	1.64E+00	7.52E-01	2.98E+01	8.68E+00	5.06E-01	3.97E+01
1957	495261.06	3859351.99	9.04863	2.81008	76.907	8.89076	6.90E-01	3.00E+01	8.50E+00	5.08E-01	3.97E+01	6.70E-01	1.27E-04	8.50E-01	9.95E-02	1.62E+00	7.51E-01	3.00E+01	8.50E+00	5.08E-01	3.98E+01
1958	495311.06	3859351.99	8.89196	2.82882	74.625	8.7049	6.78E-01	3.02E+01	8.25E+00	4.98E-01	3.96E+01	6.58E-01	1.28E-04	8.25E-01	9.74E-02	1.58E+00	7.38E-01	3.02E+01	8.25E+00	4.98E-01	3.97E+01
1959	495361.06	3859351.99	8.80792	2.84771	72.689	8.6275	6.71E-01	3.04E+01	8.04E+00	4.93E-01	3.96E+01	6.52E-01	1.28E-04	8.04E-01	9.66E-02	1.55E+00	7.31E-01	3.04E+01	8.04E+00	4.93E-01	3.97E+01
1960	495411.06	3859351.99	8.77275	2.8657	71.023	8.62761	6.69E-01	3.06E+01	7.85E+00	4.93E-01	3.96E+01	6.49E-01	1.29E-04	7.85E-01	9.66E-02	1.53E+00	7.28E-01	3.06E+01	7.85E+00	4.93E-01	3.97E+01
1961	495461.06	3859351.99	8.76648	2.88407	69.523	8.68032	6.68E-01	3.08E+01	7.69E+00	4.96E-01	3.96E+01	6.49E-01	1.30E-04	7.69E-01	9.72E-02	1.51E+00	7.28E-01	3.08E+01	7.69E+00	4.96E-01	3.97E+01
1962	495511.06	3859351.99	8.52215	2.9001	66.846	8.35523	6.50E-01	3.09E+01	7.39E+00	4.78E-01	3.95E+01	6.31E-01	1.31E-04	7.39E-01	9.35E-02	1.46E+00	7.08E-01	3.09E+01	7.39E+00	4.78E-01	3.95E+01
1963	495561.06	3859351.99	8.33767	2.91539	64.409	8.11938	6.36E-01	3.11E+01	7.12E+00	4.64E-01	3.93E+01	6.17E-01	1.31E-04	7.12E-01	9.09E-02	1.42E+00	6.92E-01	3.11E+01	7.12E+00	4.64E-01	3.94E+01
1964	495611.06	3859351.99	8.20289	2.93058	62.302	7.96894	6.25E-01	3.13E+01	6.89E+00	4.56E-01	3.92E+01	6.07E-01	1.32E-04	6.89E-01	8.92E-02	1.39E+00	6.81E-01	3.13E+01	6.89E+00	4.56E-01	3.93E+01
1965	495661.06	3859351.99	7.94335	2.94452	59.314	7.60159	6.05E-01	3.14E+01	6.56E+00	4.35E-01	3.90E+01	5.88E-01	1.33E-04	6.56E-01	8.51E-02	1.33E+00	6.59E-01	3.14E+01	6.56E+00	4.35E-01	3.91E+01
1966	494311.06	3859401.99	12.3083	4.47872	66.298	7.9989	9.38E-01	4.78E+01	7.33E+00	4.57E-01	5.65E+01	9.11E-01	2.02E-04	7.33E-01	8.95E-02	1.73E+00	1.02E+00	4.78E+01	7.33E+00	4.57E-01	5.66E+01
1967	494361.06	3859401.99	12.2247	2.99544	71.603	8.37573	9.32E-01	3.20E+01	7.92E+00	4.79E-01	4.13E+01	9.05E-01	1.35E-04	7.92E-01	9.38E-02	1.79E+00	1.01E+00	3.20E+01	7.92E+00	4.79E-01	4.14E+01
1968	494411.06	3859401.99	12.1049	2.8203	76.973	8.7642	9.23E-01	3.01E+01	8.51E+00	5.01E-01	4.00E+01	8.96E-01	1.27E-04	8.51E-01	9.81E-02	1.85E+00	1.00E+00	3.01E+01	8.51E+00	5.01E-01	4.01E+01
1969	494461.06	3859401.99	11.9981	2.70803	80.265	9.03066	9.15E-01	2.89E+01	8.87E+00	5.16E-01	3.92E+01	8.88E-01	1.22E-04	8.87E-01	1.01E-01	1.88E+00	9.96E-01	2.89E+01	8.87E+00	5.16E-01	3.93E+01
1970	494511.06	3859401.99	11.9166	2.65328	81.681	9.20564	9.08E-01	2.83E+01	9.03E+00	5.26E-01	3.88E+01	8.82E-01	1.20E-04	9.03E-01	1.03E-01	1.89E+00	9.89E-01	2.83E+01	9.03E+00	5.26E-01	3.89E+01
1971	494561.06	3859401.99	11.8051	2.58973	83.618	9.39115	9.00E-01	2.76E+01	9.24E+00	5.37E-01	3.83E+01	8.74E-01	1.17E-04	9.24E-01	1.05E-01	1.90E+00	9.80E-01	2.76E+01	9.24E+00	5.37E-01	3.84E+01
1972	494611.06	3859401.99	11.651	2.53268	86.251	9.57989	8.88E-01	2.70E+01	9.54E+00	5.48E-01	3.80E+01	8.63E-01	1.14E-04	9.54E-01	1.07E-01	1.92E+00	9.67E-01	2.70E+01	9.54E+00	5.48E-01	3.81E+01
1973	494661.06	3859401.99	11.5255	2.50345	87.339	9.70695	8.78E-01	2.67E+01	9.66E+00	5.55E-01	3.78E+01	8.53E-01	1.13E-04	9.66E-01	1.09E-01	1.93E+00	9.57E-01	2.67E+01	9.66E+00	5.55E-01	3.79E+01
1974	494711.06	3859401.99	11.367	2.46838	88.861	9.82326	8.66E-01	2.63E+01	9.82E+00	5.62E-01	3.76E+01	8.42E-01	1.11E-04	9.82E-01	1.10E-01	1.93E+00	9.44E-01	2.63E+01	9.82E+00	5.62E-01	3.77E+01
1975	494761.06	3859401.99	11.0761	2.48817	92.603	10.12535	8.44E-01	2.66E+01	1.02E+01	5.79E-01	3.82E+01	8.20E-01	1.12E-04	1.02E+00	1.13E-01	1.96E+00	9.20E-01	2.66E+01	1.02E+01	5.79E-01	3.83E+01
1976	494811.06	3859401.99	10.8024	2.50802	93.847	9.85256	8.23E-01	2.68E+01	1.04E+01	5.63E-01	3.85E+01	8.00E-01	1.13E-04	1.04E+00	1.10E-01	1.95E+00	8.97E-01	2.68E+01	1.04E+01	5.63E-01	3.86E+01
1977	494861.06	3859401.99	10.4567	2.52825	94.79	9.6726	7.97E-01	2.70E+01	1.05E+01	5.53E-01	3.88E+01	7.74E-01	1.14E-04	1.05E+00	1.08E-01	1.93E+00	8.68E-01	2.70E+01	1.05E+01	5.53E-01	3.89E+01
1978	494911.06	3859401.99	10.2206	2.55	94.456	9.6887	7.79E-01	2.72E+01	1.04E+01	5.54E-01	3.90E+01	7.57E-01	1.15E-04	1.04E+00	1.08E-01	1.91E+00	8.49E-01	2.72E+01	1.04E+01	5.54E-01	3.91E+01
1979	494961.06	3859401.99	10.0731	2.57183	92.999	9.51047	7.68E-01	2.74E+01	1.03E+01	5.44E-01	3.90E+01	7.46E-01	1.16E-04	1.03E+00	1.06E-01	1.88E+00	8.36E-01	2.74E+01	1.03E+01	5.44E-01	3.91E+01
1980	495011.06	3859401.99	9.95814	2.59454	91.7	9.51674	7.59E-01	2.77E+01	1.01E+01	5.44E-01	3.91E+01	7.37E-01	1.17E-04	1.01E+00	1.07E-01	1.86E+00	8.27E-01	2.77E+01	1.01E+01	5.44E-01	3.92E+01
1981	495061.06	3859401.99	9.87498	2.61809	90.833	9.77692	7.53E-01	2.79E+01	1.00E+01	5.59E-01	3.93E+01	7.31E-01	1.18E-04	1.00E+00	1.09E-01	1.84E+00	8.20E-01	2.79E+01	1.00E+01	5.59E-01	3.94E+01
1982	495111.06	3859401.99	9.67012	2.63922	89.42	9.60455	7.37E-01	2.82E+01	9.89E+00	5.49E-01	3.93E+01	7.16E-01	1.19E-04	9.89E-01	1.08E-01	1.81E+00	8.03E-01	2.82E+01	9.89E+00	5.49E-01	3.94E+01
1983	495161.06	3859401.99	9.63834	2.66062	87.381	9.4237	7.35E-01	2.84E+01	9.66E+00	5.39E-01	3.93E+01	7.14E-01	1.20E-04	9.66E-01	1.05E-01	1.79E+00	8.00E-01	2.84E+01	9.66E+00	5.39E-01	3.94E+01
1984	495211.06	3859401.99	9.64559	2.68287	85.864	9.48382	7.35E-01	2.86E+01	9.49E+00	5.42E-01	3.94E+01	7.14E-01	1.21E-04	9.49E-01	1.06E-01	1.77E+00	8.01E-01	2.86E+01	9.49E+00	5.42E-01	3.95E+01
1985	495261.06	3859401.99	9.57048	2.70423	84.271	9.44018	7.29E-01	2.89E+01	9.32E+00	5.40E-01	3.94E+01	7.09E-01	1.22E-04	9.32E-01	1.06E-01	1.75E+00	7.95E-01	2.89E+01	9.32E+00	5.40E-01	3.95E+01
1986	495311.06	3859401.99	9.47434	2.72467	82.614	9.3674	7.22E-01	2.91E+01	9.13E+00	5.36E-01	3.95E+01	7.01E-01	1.23E-04	9.13E-01	1.05E-01	1.72E+00	7.87E-01	2.91E+01	9.13E+00	5.36E-01	3.95E+01
1987	495361.06	3859401.99	9.48665	2.74594	81.024	9.43847	7.23E-01	2.93E+01	8.96E+00	5.40E-01	3.95E+01	7.02E-01	1.24E-04	8.96E-01	1.06E-01	1.70E+00	7.88E-01	2.93E+01	8.96E+00	5.40E-01	3.96E+01
1988	495411.06	3859401.99	9.42415	2.76639	79.353	9.41135	7.18E-01	2.95E+01	8.77E+00	5.38E-01	3.96E+01	6.98E-01	1.25E-04	8.77E-01	1.05E-01	1.68E+00	7.82E-01	2.95E+01	8.77E+00	5.38E-01	3.96E+01
1989	495461.06	3859401.99	9.28811	2.78547	77.592	9.28007	7.08E-01	2.97E+01	8.58E+00	5.31E-01	3.95E+01	6.88E-01	1.26E-04	8.58E-01	1.04E-01	1.65E+00	7.71E-01	2.97E+01	8.58E+00	5.31E-01	3.96E+01
1990	495511.06	3859401.99	9.07069	2.80324	75.566	9.03112	6.91E-01	2.99E+01	8.35E+00	5.16E-01	3.95E+01	6.72E-01	1.26E-04	8.35E-01	1.01E-01	1.61E+00	7.53E-01	2.99E+01	8.35E+00	5.16E-01	3.95E+01
1991	495561.06	3859401.99	8.8058	2.82034	73.122	8.69424	6.71E-01	3.01E+01	8.08E+00	4.97E-01	3.94E+01	6.52E-01	1.27E-04	8.08E-01	9.73E-02	1.56E+00	7.31E-01	3.01E+01	8.08E+00	4.97E-01	3.94E+01
1992	495611.06	3859401.99	8.66057	2.83805	71.047	8.53183	6.60E-01	3.03E+01	7.86E+00	4.88E-01	3.93E+01	6.41E-01	1.28E-04	7.86E-01	9.55E-02	1.52E+00	7.19E-01	3.03E+01	7.86E+00	4.88E-01	3.93E+01
1993	495661.06	3859401.99	8.53459	2.85518	69.073	8.40323	6.51E-01	3.05E+01	7.64E+00	4.81E-01	3.92E+01	6.32E-01	1.29E-04	7.64E-01	9.41E-02	1.49E+00	7.09E-01	3.05E+01	7.64E+00	4.81E-01	3.93E+01
1994	494311.06	3859451.99	12.1598	4.32739	57.737	7.92152	9.27E-01	4.62E+01	6.38E+00	4.53E-01	5.39E+01	9.00E-01	1.95E-04	6.38E-01	8.87E-02	1.63E+00	1.01E+00	4.62E+01	6.38E+00	4.53E-01	5.40E+01
1995	494361.06	3859451.99	12.144	4.32601	62.482	8.06244	9.26E-01	4.62E+01	6.91E+00	4.61E-01	5.45E+01	8.99E-01	1.95E-04	6.91E-01	9.03E-02	1.68E+00	1.01E+00	4.62E+01	6.91E+00	4.61E-01	5.45E+01
1996	494411.06	3859451.99	12.0636	3.05751	69.953	8.25395	9.20E-01	3.26E+01	7.73E+00	4.72E-01	4.18E+01	8.93E-01	1.38E-04	7.73E-01	9.24E-02	1.76E+00	1.00E+00	3.26E+01	7.73E+00	4.72E-01	4.18E+01
1997	494461.06	3859451.99	12.0502	3.02427	71.27	8.35595	9.18E-01	3.23E+01	7.88E+00	4.78E-01	4.16E+01	8.92E-01	1.36E-04	7.88E-01	9.35E-02	1.77E+00	1.00E+00	3.23E+01	7.88E+00	4.78E-01	4.16E+01
1998	494511.06	3859451.99	11.9796	2.91355	74.756	8.58455	9.13E-01	3.11E+01	8.27E+00	4.91E-01	4.08E+01	8.87E-01	1.31E-04	8.27E-01	9.61E-02	1.81E+00	9.95E-01	3.11E+01	8.27E+00	4.91E-01	4.08E+01
1999	494561.06	3859451.99	11.9084	2.83759	77.131	8.73563	9.08E-01	3.03E+01	8.53E+00	5.00E-01	4.02E+01	8.82E-01	1.28E-04	8.53E-01	9.78E-02	1.83E+00	9.89E-01	3.03E+01	8.53E+00	5.00E-01	4.03E+01
2000	494611.06	3859451.99	11.8632	2.81918	77.738	8.83897	9.04E-01	3.01E+01	8.59E+00	5.05E-01	4.01E+01	8.78E-01	1.27E-04	8.59E-01	9.89E-02	1.84E+00	9.85E-01	3.01E+01	8.59E+00	5.05E-01	4.02E+01
2001	494661.06	3859451.99	11.7359	2.69752	81.184	9.08631	8.95E-01	2.88E+01	8.98E+00	5.20E-01	3.92E+01	8.69E-01	1.22E-04	8.98E-01	1.02E-01	1.87E+00	9.74E-01	2.88E+01	8.98E+00	5.20E-01	3.93E+01
2002	494711.06	3859451.99	11.588	2.57772	84.345	9.29464	8.83E-01	2.75E+01	9.33E+00	5.31E-01	3.82E+01	8.58E-01	1.16E-04	9.33E-01	1.04E-01	1.89E+00	9.62E-01	2.75E+01	9.33E+00	5.31E-01	3.83E+01
2003	494761.06	3859451.99	11.4499	2.48976	86.405	9.44617	8.73E-01	2.66E+01	9.55E+00	5.40E-01	3.75E+01	8.48E-01	1.12E-04	9.55E-01	1.06E-01	1.91E+00	9.51E-01	2.66E+01	9.55E+00	5.40E-01	3.76E+01
2004	494811.06	3859451.99	11.2171	2.40586	89.921	9.57592	8.55E-01	2.57E+01	9.94E+00	5.48E-01	3.70E+01	8.30E-01	1.08E-04	9.94E-01	1.07E-01	1.93E+00	9.31E-01	2.57E+01	9.94E+00	5.48E-01	3.71E+01
2005	494861.06	3859451.99	11.0061	2.42535	91.911	9.63109	8.39E-01	2.59E+01	1.02E+01	5.51E-01	3.74E+01	8.15E-01	1.09E-04	1.02E+00	1.08E-01	1.94E+00	9.14E-01	2.59E+01	1.02E+01	5.51E-01	3.75E+01
2006	494911.06	3859451.99	10.8315	2.44597	92.664	9.65915	8.26E-01	2.61E+01	1.02E+01	5.52E-01	3.77E+01	8.02E-01	1.10E-04	1.02E+00	1.08E-01	1.93E+00	8.99E-01	2.61E+01	1.02E+01	5.52E-01	3.78E+01
2007	494961.06	3859451.99	10.7169	2.46763	92.352	9.70493	8.17E-01	2.63E+01	1.02E+01	5.55E-01	3.79E+01	7.93E-01	1.11E-04	1.02E+00	1.09E-01	1.92E+00	8.90E-01	2.63E+01	1.02E+01	5.55E-01	3.80E+01
2008	495011.06	3859451.99	10.5667	2.48889	92.188	9.71979	8.05E-01	2.66E+01	1.02E+01	5.56E-01	3.81E+01	7.82E-01	1.12E-04	1.02E+00	1.09E-01	1.91E+00	8.77E-01	2.66E+01	1.02E+01	5.56E-01	3.82E+01
2009	495061.06	3859451.99	10.4112	2.51035	91.839	9.71845	7.94E-01	2.68E+01	1.02E+01	5.56E-01	3.83E+01	7.71E-01	1.13E-04	1.02E+00	1.09E-01	1.90E+00	8.64E-01	2.68E+01	1.02E+01	5.56E-01	3.84E+01

2010	495111.06	3859451.99	10.246	2.53156	91.344	9.69597	7.81E-01	2.70E+01	1.01E+01	5.54E-01	3.85E+01	7.59E-01	1.14E-04	1.01E+00	1.09E-01	1.88E+00	8.51E-01	2.70E+01	1.01E+01	5.54E-01	3.85E+01
2011	495161.06	3859451.99	10.1484	2.55359	90.245	9.73373	7.74E-01	2.73E+01	9.98E+00	5.57E-01	3.86E+01	7.51E-01	1.15E-04	9.98E-01	1.09E-01	1.86E+00	8.43E-01	2.73E+01	9.98E+00	5.57E-01	3.86E+01
2012	495211.06	3859451.99	10.1454	2.57614	88.925	9.787	7.73E-01	2.75E+01	9.83E+00	5.60E-01	3.87E+01	7.51E-01	1.16E-04	9.83E-01	1.10E-01	1.84E+00	8.42E-01	2.75E+01	9.83E+00	5.60E-01	3.87E+01
2013	495261.06	3859451.99	10.1238	2.59838	87.61	9.82241	7.72E-01	2.77E+01	9.69E+00	5.62E-01	3.87E+01	7.50E-01	1.17E-04	9.69E-01	1.10E-01	1.83E+00	8.40E-01	2.77E+01	9.69E+00	5.62E-01	3.88E+01
2014	495311.06	3859451.99	10.0344	2.6196	86.606	9.79553	7.65E-01	2.80E+01	9.58E+00	5.60E-01	3.89E+01	7.43E-01	1.18E-04	9.58E-01	1.10E-01	1.81E+00	8.33E-01	2.80E+01	9.58E+00	5.60E-01	3.89E+01
2015	495361.06	3859451.99	9.9651	2.64099	85.382	9.78317	7.60E-01	2.82E+01	9.44E+00	5.59E-01	3.89E+01	7.38E-01	1.19E-04	9.44E-01	1.10E-01	1.79E+00	8.27E-01	2.82E+01	9.44E+00	5.59E-01	3.90E+01
2016	495411.06	3859451.99	9.85924	2.66164	84.239	9.73027	7.51E-01	2.84E+01	9.31E+00	5.56E-01	3.90E+01	7.30E-01	1.20E-04	9.31E-01	1.09E-01	1.77E+00	8.19E-01	2.84E+01	9.31E+00	5.56E-01	3.91E+01
2017	495461.06	3859451.99	9.77454	2.68215	82.913	9.69445	7.45E-01	2.86E+01	9.17E+00	5.54E-01	3.91E+01	7.24E-01	1.21E-04	9.17E-01	1.09E-01	1.75E+00	8.11E-01	2.86E+01	9.17E+00	5.54E-01	3.92E+01
2018	495511.06	3859451.99	9.54197	2.70111	81.817	9.48501	7.27E-01	2.88E+01	9.05E+00	5.42E-01	3.91E+01	7.06E-01	1.22E-04	9.05E-01	1.06E-01	1.72E+00	7.92E-01	2.88E+01	9.05E+00	5.42E-01	3.92E+01
2019	495561.06	3859451.99	9.39538	2.72045	80.335	9.35974	7.16E-01	2.90E+01	8.88E+00	5.35E-01	3.92E+01	6.96E-01	1.23E-04	8.88E-01	1.05E-01	1.69E+00	7.80E-01	2.90E+01	8.88E+00	5.35E-01	3.92E+01
2020	495611.06	3859451.99	9.25237	2.7396	78.737	9.22759	7.05E-01	2.92E+01	8.71E+00	5.28E-01	3.92E+01	6.85E-01	1.23E-04	8.71E-01	1.03E-01	1.66E+00	7.68E-01	2.92E+01	8.71E+00	5.28E-01	3.92E+01
2021	495661.06	3859451.99	9.11396	2.75851	77.057	9.09933	6.95E-01	2.94E+01	8.52E+00	5.20E-01	3.92E+01	6.75E-01	1.24E-04	8.52E-01	1.02E-01	1.63E+00	7.57E-01	2.94E+01	8.52E+00	5.20E-01	3.92E+01
2022	494311.06	3859501.99	12.2825	4.23451	52.703	7.77249	9.36E-01	4.52E+01	5.83E+00	4.44E-01	5.24E+01	9.09E-01	1.91E-04	5.83E-01	8.70E-02	1.58E+00	1.02E+00	4.52E+01	5.83E+00	4.44E-01	5.25E+01
2023	494361.06	3859501.99	12.1762	4.23542	55.131	7.98955	9.28E-01	4.52E+01	6.10E+00	4.57E-01	5.27E+01	9.01E-01	1.91E-04	6.10E-01	8.94E-02	1.60E+00	1.01E+00	4.52E+01	6.10E+00	4.57E-01	5.28E+01
2024	494411.06	3859501.99	11.9513	4.23242	62.402	8.32278	9.11E-01	4.52E+01	6.90E+00	4.76E-01	5.35E+01	8.85E-01	1.91E-04	6.90E-01	9.32E-02	1.67E+00	9.92E-01	4.52E+01	6.90E+00	4.76E-01	5.35E+01
2025	494461.06	3859501.99	11.9608	4.23945	60.222	8.24667	9.12E-01	4.52E+01	6.66E+00	4.72E-01	5.33E+01	8.85E-01	1.91E-04	6.66E-01	9.23E-02	1.64E+00	9.93E-01	4.52E+01	6.66E+00	4.72E-01	5.34E+01
2026	494511.06	3859501.99	11.9384	3.20934	64.657	8.33323	9.10E-01	3.42E+01	7.15E+00	4.77E-01	4.28E+01	8.84E-01	1.45E-04	7.15E-01	9.33E-02	1.69E+00	9.91E-01	3.42E+01	7.15E+00	4.77E-01	4.29E+01
2027	494561.06	3859501.99	11.9044	3.10472	68.167	8.36676	9.07E-01	3.31E+01	7.54E+00	4.78E-01	4.21E+01	8.81E-01	1.40E-04	7.54E-01	9.37E-02	1.73E+00	9.88E-01	3.31E+01	7.54E+00	4.78E-01	4.21E+01
2028	494611.06	3859501.99	11.9407	3.18206	66.511	8.31033	9.10E-01	3.40E+01	7.35E+00	4.75E-01	4.27E+01	8.84E-01	1.43E-04	7.35E-01	9.30E-02	1.71E+00	9.91E-01	3.40E+01	7.35E+00	4.75E-01	4.28E+01
2029	494661.06	3859501.99	11.8531	3.02058	71.462	8.40977	9.03E-01	3.22E+01	7.90E+00	4.81E-01	4.15E+01	8.78E-01	1.36E-04	7.90E-01	9.41E-02	1.76E+00	9.84E-01	3.22E+01	7.90E+00	4.81E-01	4.16E+01
2030	494711.06	3859501.99	11.7089	2.82141	77.309	8.75178	8.92E-01	3.01E+01	8.55E+00	5.00E-01	4.00E+01	8.67E-01	1.27E-04	8.55E-01	9.80E-02	1.82E+00	9.72E-01	3.01E+01	8.55E+00	5.00E-01	4.01E+01
2031	494761.06	3859501.99	11.6825	2.83624	77.18	8.75408	8.90E-01	3.03E+01	8.53E+00	5.01E-01	4.02E+01	8.65E-01	1.28E-04	8.53E-01	9.80E-02	1.82E+00	9.70E-01	3.03E+01	8.53E+00	5.01E-01	4.03E+01
2032	494811.06	3859501.99	11.4383	2.57537	84.146	9.08177	8.72E-01	2.75E+01	9.30E+00	5.19E-01	3.82E+01	8.47E-01	1.16E-04	9.30E-01	1.02E-01	1.88E+00	9.50E-01	2.75E+01	9.30E+00	5.19E-01	3.83E+01
2033	494861.06	3859501.99	11.3272	2.50997	85.795	9.19498	8.63E-01	2.68E+01	9.49E+00	5.26E-01	3.77E+01	8.39E-01	1.13E-04	9.49E-01	1.03E-01	1.89E+00	9.40E-01	2.68E+01	9.49E+00	5.26E-01	3.77E+01
2034	494911.06	3859501.99	11.2505	2.49119	86.209	9.30053	8.58E-01	2.66E+01	9.53E+00	5.32E-01	3.75E+01	8.33E-01	1.12E-04	9.53E-01	1.04E-01	1.89E+00	9.34E-01	2.66E+01	9.53E+00	5.32E-01	3.76E+01
2035	494961.06	3859501.99	11.0831	2.39347	88.216	9.40303	8.45E-01	2.55E+01	9.75E+00	5.38E-01	3.67E+01	8.21E-01	1.08E-04	9.75E-01	1.05E-01	1.90E+00	9.20E-01	2.55E+01	9.75E+00	5.38E-01	3.68E+01
2036	495011.06	3859501.99	10.9932	2.39306	88.258	9.48692	8.38E-01	2.55E+01	9.76E+00	5.42E-01	3.67E+01	8.14E-01	1.08E-04	9.76E-01	1.06E-01	1.90E+00	9.13E-01	2.55E+01	9.76E+00	5.42E-01	3.68E+01
2037	495061.06	3859501.99	10.901	2.41327	88.131	9.56308	8.31E-01	2.58E+01	9.74E+00	5.47E-01	3.69E+01	8.07E-01	1.09E-04	9.74E-01	1.07E-01	1.89E+00	9.05E-01	2.58E+01	9.74E+00	5.47E-01	3.69E+01
2038	495111.06	3859501.99	10.7156	2.43242	89.35	9.60434	8.17E-01	2.60E+01	9.88E+00	5.49E-01	3.72E+01	7.93E-01	1.10E-04	9.88E-01	1.08E-01	1.89E+00	8.90E-01	2.60E+01	9.88E+00	5.49E-01	3.73E+01
2039	495161.06	3859501.99	10.6119	2.45348	88.889	9.66312	8.09E-01	2.62E+01	9.83E+00	5.53E-01	3.74E+01	7.86E-01	1.11E-04	9.83E-01	1.08E-01	1.88E+00	8.81E-01	2.62E+01	9.83E+00	5.53E-01	3.74E+01
2040	495211.06	3859501.99	10.5384	2.47514	87.784	9.73025	8.03E-01	2.64E+01	9.71E+00	5.56E-01	3.75E+01	7.80E-01	1.12E-04	9.71E-01	1.09E-01	1.86E+00	8.75E-01	2.64E+01	9.71E+00	5.56E-01	3.76E+01
2041	495261.06	3859501.99	10.4588	2.49613	87.21	9.77346	7.97E-01	2.66E+01	9.64E+00	5.59E-01	3.76E+01	7.74E-01	1.13E-04	9.64E-01	1.09E-01	1.85E+00	8.68E-01	2.66E+01	9.64E+00	5.59E-01	3.77E+01
2042	495311.06	3859501.99	10.4368	2.5174	86.298	9.81641	7.96E-01	2.69E+01	9.54E+00	5.61E-01	3.78E+01	7.73E-01	1.13E-04	9.54E-01	1.10E-01	1.84E+00	8.66E-01	2.69E+01	9.54E+00	5.61E-01	3.78E+01
2043	495361.06	3859501.99	10.3661	2.53839	85.782	9.83749	7.90E-01	2.71E+01	9.48E+00	5.63E-01	3.79E+01	7.67E-01	1.14E-04	9.48E-01	1.10E-01	1.83E+00	8.61E-01	2.71E+01	9.48E+00	5.63E-01	3.80E+01
2044	495411.06	3859501.99	10.2973	3.44301	85.096	9.85216	7.85E-01	3.67E+01	9.41E+00	5.63E-01	4.75E+01	7.62E-01	1.55E-04	9.41E-01	1.10E-01	1.81E+00	8.55E-01	3.67E+01	9.41E+00	5.63E-01	4.76E+01
2045	495461.06	3859501.99	10.2008	2.57966	84.588	9.84419	7.78E-01	2.75E+01	9.35E+00	5.63E-01	3.82E+01	7.55E-01	1.16E-04	9.35E-01	1.10E-01	1.80E+00	8.47E-01	2.75E+01	9.35E+00	5.63E-01	3.83E+01
2046	495511.06	3859501.99	9.95245	2.59877	85.255	9.87133	7.59E-01	2.77E+01	9.43E+00	5.64E-01	3.85E+01	7.37E-01	1.17E-04	9.43E-01	1.11E-01	1.79E+00	8.26E-01	2.77E+01	9.43E+00	5.64E-01	3.86E+01
2047	495561.06	3859501.99	9.90101	2.61939	83.802	9.72056	7.55E-01	2.80E+01	9.27E+00	5.56E-01	3.85E+01	7.33E-01	1.18E-04	9.27E-01	1.09E-01	1.77E+00	8.22E-01	2.80E+01	9.27E+00	5.56E-01	3.86E+01
2048	495611.06	3859501.99	9.76146	2.63902	82.992	9.64022	7.44E-01	2.82E+01	9.18E+00	5.51E-01	3.86E+01	7.23E-01	1.19E-04	9.18E-01	1.08E-01	1.75E+00	8.10E-01	2.82E+01	9.18E+00	5.51E-01	3.87E+01
2049	495661.06	3859501.99	9.59526	2.65828	82.067	9.52066	7.31E-01	2.84E+01	9.07E+00	5.44E-01	3.87E+01	7.10E-01	1.20E-04	9.07E-01	1.07E-01	1.72E+00	7.97E-01	2.84E+01	9.07E+00	5.44E-01	3.88E+01
2050	494311.06	3859551.99	12.2633	4.19802	50.083	7.56502	9.35E-01	4.48E+01	5.54E+00	4.33E-01	5.17E+01	9.08E-01	1.89E-04	5.54E-01	8.47E-02	1.55E+00	1.02E+00	4.48E+01	5.54E+00	4.33E-01	5.18E+01
2051	494361.06	3859551.99	12.2039	4.20066	54.015	7.95885	9.30E-01	4.48E+01	5.97E+00	4.55E-01	5.22E+01	9.03E-01	1.89E-04	5.97E-01	8.91E-02	1.59E+00	1.01E+00	4.48E+01	5.97E+00	4.55E-01	5.23E+01
2052	494411.06	3859551.99	12.0519	4.19867	62.925	8.4064	9.19E-01	4.48E+01	6.96E+00	4.81E-01	5.32E+01	8.92E-01	1.89E-04	6.96E-01	9.41E-02	1.68E+00	1.00E+00	4.48E+01	6.96E+00	4.81E-01	5.32E+01
2053	494461.06	3859551.99	12.0548	4.20864	58.173	8.20991	9.19E-01	4.49E+01	6.43E+00	4.69E-01	5.27E+01	8.92E-01	1.90E-04	6.43E-01	9.19E-02	1.63E+00	1.00E+00	4.49E+01	6.43E+00	4.69E-01	5.28E+01
2054	494511.06	3859551.99	11.9393	4.21243	60.449	8.35696	9.10E-01	4.50E+01	6.68E+00	4.78E-01	5.30E+01	8.84E-01	1.90E-04	6.68E-01	9.36E-02	1.65E+00	9.91E-01	4.50E+01	6.68E+00	4.78E-01	5.31E+01
2055	494561.06	3859551.99	11.833	4.21754	61.078	8.42356	9.02E-01	4.50E+01	6.75E+00	4.82E-01	5.31E+01	8.76E-01	1.90E-04	6.75E-01	9.43E-02	1.65E+00	9.82E-01	4.50E+01	6.75E+00	4.82E-01	5.32E+01
2056	494611.06	3859551.99	11.81	4.22434	59.64	8.41701	9.00E-01	4.51E+01	6.59E+00	4.81E-01	5.31E+01	8.74E-01	1.90E-04	6.59E-01	9.42E-02	1.63E+00	9.80E-01	4.51E+01	6.59E+00	4.81E-01	5.31E+01
2057	494661.06	3859551.99	11.8157	4.22994	60.429	8.44876	9.01E-01	4.51E+01	6.68E+00	4.83E-01	5.32E+01	8.75E-01	1.91E-04	6.68E-01	9.46E-02	1.64E+00	9.81E-01	4.51E+01	6.68E+00	4.83E-01	5.33E+01
2058	494711.06	3859551.99	11.6754	2.97979	70.219	8.56291	8.90E-01	3.18E+01	7.76E+00	4.90E-01	4.09E+01	8.64E-01	1.34E-04	7.76E-01	9.59E-02	1.74E+00	9.69E-01	3.18E+01	7.76E+00	4.90E-01	4.10E+01
2059	494761.06	3859551.99	11.7451	3.12236	67.162	8.52173	8.95E-01	3.33E+01	7.43E+00	4.87E-01	4.21E+01	8.70E-01	1.41E-04	7.43E-01	9.54E-02	1.71E+00	9.75E-01	3.33E+01	7.43E+00	4.87E-01	4.22E+01
2060	494811.06	3859551.99	11.611	2.89981	73.66	8.56273	8.85E-01	3.09E+01	8.14E+00	4.90E-01	4.05E+01	8.60E-01	1.31E-04	8.14E-01	9.59E-02	1.77E+00	9.64E-01	3.09E+01	8.14E+00	4.90E-01	4.05E+01
2061	494861.06	3859551.99	11.547	2.83871	75.784	8.6828	8.80E-01	3.03E+01	8.38E+00	4.97E-01	4.00E+01	8.55E-01	1.28E-04	8.38E-01	9.72E-02	1.79E+00	9.59E-01	3.03E+01	8.38E+00	4.97E-01	4.01E+01
2062	494911.06	3859551.99	11.4472	2.74922	78.507	8.82167	8.73E-01	2.93E+01	8.68E+00	5.04E-01	3.94E+01	8.47E-01	1.24E-04	8.68E-01	9.88E-02	1.81E+00	9.50E-01	2.93E+01	8.68E+00	5.04E-01	3.95E+01
2063	494961.06	3859551.99	11.3912	2.73631	79.193	8.85656	8.68E-01	2.92E+01	8.76E+00	5.06E-01	3.93E+01	8.43E-01	1.23E-04	8.76E-01	9.91E-02	1.82E+00	9.46E-01	2.92E+01	8.76E+00	5.06E-01	3.94E+01
2064	495011.06	3859551.99	11.3438	2.74257	79.295	8.93532	8.65E-01	2.93E+01	8.77E+00	5.11E-01	3.94E+01	8.40E-01	1.24E-04	8.77E-01	1.00E-01	1.82E+00	9.42E-01	2.93E+01	8.77E+00	5.11E-01	3.95E+01
2065	495061.06	3859551.99	11.2429	2.6921	80.702	9.07129	8.57E-01	2.87E+01	8.92E+00	5.19E-01	3.90E+01	8.32E-01	1.21E-04	8.92E-01	1.02E-01	1.83E+00	9.33E-01	2.87E+01	8.92E+00	5.19E-01	3.91E+01
2066	495111.06	3859551.99	11.1028	2.6103	82.712	9.20788	8.46E-01	2.79E+01	9.14E+00	5.27E-01	3.84E+01	8.22E-01	1.18E-04	9.14E-01	1.03E-01	1.84E+00	9.22E-01	2.79E+01	9.14E+00	5.27E-01	3.84E+01
2067	495161.06	3859551.99	11.0324	2.61844	82.479	9.2926	8.41E-01	2.79E+01	9.12E+00	5.31E-01	3.84E+01	8.17E-01	1.18E-04	9.12E-01	1.04E-01	1.83E+00	9.16E-01	2.79E+01	9.12E+00	5.31E-01	3.85E+01
2068	495211.06	3859551.99	10.9703	2.6476	81.647	9.36035	8.36E-01	2.83E+01	9.03E+00	5.35E-01	3.87E+01	8.12E-01	1.19E-04	9.03E-01	1.05E-01	1.82E+00	9.11E-01	2.83E+01	9.03E+00	5.35E-01	3.87E+01
2069	495261.06	3859551.99	10.8294	2.5939	82.663	9.4568	8.25E-01	2.77E+01	9.14E+00	5.41E-01	3.82E+01	8.02E-01	1.17E-04	9.14E-01	1.06E-01	1.82E+00	8.99E-01	2.77E+01	9.14E+00	5.41E-01	3.83E+01
2070	495311.06	3859551.99	10.7056	2.56505	82.979	9.53194	8.16E-01	2.74E+01	9.17E+00	5.45E-01	3.79E+01	7.93E-01	1.16E-04	9.17E-01	1.07E-01	1.82E+00	8.89E-01	2.74E+01	9.17E+00	5.45E-01	3.80E+01

2071	495361.06	3859551.99	10.6329	2.55428	82.793	9.59388	8.10E-01	2.73E+01	9.15E+00	5.49E-01	3.78E+01	7.87E-01	1.15E-04	9.15E-01	1.07E-01	1.81E+00	8.83E-01	2.73E+01	9.15E+00	5.49E-01	3.78E+01
2072	495411.06	3859551.99	10.6133	2.56096	82.135	9.64482	8.09E-01	2.73E+01	9.08E+00	5.52E-01	3.78E+01	7.86E-01	1.15E-04	9.08E-01	1.08E-01	1.80E+00	8.81E-01	2.73E+01	9.08E+00	5.52E-01	3.78E+01
2073	495461.06	3859551.99	10.479	2.48261	83.361	9.6962	7.99E-01	2.65E+01	9.22E+00	5.54E-01	3.71E+01	7.76E-01	1.12E-04	9.22E-01	1.09E-01	1.81E+00	8.70E-01	2.65E+01	9.22E+00	5.54E-01	3.71E+01
2074	495511.06	3859551.99	10.3263	2.50098	84.362	9.71074	7.87E-01	2.67E+01	9.33E+00	5.55E-01	3.74E+01	7.64E-01	1.13E-04	9.33E-01	1.09E-01	1.81E+00	8.57E-01	2.67E+01	9.33E+00	5.55E-01	3.74E+01
2075	495561.06	3859551.99	10.24	2.52088	84.116	9.72464	7.81E-01	2.69E+01	9.30E+00	5.56E-01	3.75E+01	7.58E-01	1.14E-04	9.30E-01	1.09E-01	1.80E+00	8.50E-01	2.69E+01	9.30E+00	5.56E-01	3.76E+01
2076	495611.06	3859551.99	10.1442	2.54066	83.818	9.72405	7.73E-01	2.71E+01	9.27E+00	5.56E-01	3.77E+01	7.51E-01	1.15E-04	9.27E-01	1.09E-01	1.79E+00	8.42E-01	2.71E+01	9.27E+00	5.56E-01	3.78E+01
2077	495661.06	3859551.99	10.0063	2.55965	83.706	9.68905	7.63E-01	2.73E+01	9.25E+00	5.54E-01	3.79E+01	7.41E-01	1.15E-04	9.25E-01	1.08E-01	1.77E+00	8.31E-01	2.73E+01	9.25E+00	5.54E-01	3.80E+01
2078	494311.06	3859601.99	12.2329	4.26435	44.897	7.17824	9.32E-01	4.55E+01	4.96E+00	4.10E-01	5.18E+01	9.06E-01	1.92E-04	4.96E-01	8.04E-02	1.48E+00	1.02E+00	4.55E+01	4.96E+00	4.10E-01	5.19E+01
2079	494361.06	3859601.99	12.1343	4.21286	54.929	7.97005	9.25E-01	4.50E+01	6.07E+00	4.56E-01	5.24E+01	8.98E-01	1.90E-04	6.07E-01	8.92E-02	1.60E+00	1.01E+00	4.50E+01	6.07E+00	4.56E-01	5.25E+01
2080	494411.06	3859601.99	12.0536	4.21608	59.924	8.27072	9.19E-01	4.50E+01	6.63E+00	4.73E-01	5.30E+01	8.92E-01	1.90E-04	6.63E-01	9.26E-02	1.65E+00	1.00E+00	4.50E+01	6.63E+00	4.73E-01	5.31E+01
2081	494461.06	3859601.99	12.0767	4.22738	55.27	8.06162	9.20E-01	4.51E+01	6.11E+00	4.61E-01	5.26E+01	8.94E-01	1.91E-04	6.11E-01	9.02E-02	1.60E+00	1.00E+00	4.51E+01	6.11E+00	4.61E-01	5.27E+01
2082	494511.06	3859601.99	11.9895	4.22969	60.775	8.39937	9.14E-01	4.51E+01	6.72E+00	4.80E-01	5.33E+01	8.88E-01	1.91E-04	6.72E-01	9.40E-02	1.65E+00	9.95E-01	4.51E+01	6.72E+00	4.80E-01	5.33E+01
2083	494561.06	3859601.99	11.9757	4.23941	57.469	8.28671	9.13E-01	4.52E+01	6.35E+00	4.74E-01	5.30E+01	8.87E-01	1.91E-04	6.35E-01	9.28E-02	1.61E+00	9.94E-01	4.52E+01	6.35E+00	4.74E-01	5.31E+01
2084	494611.06	3859601.99	11.9263	4.24733	56.075	8.26805	9.09E-01	4.53E+01	6.20E+00	4.73E-01	5.29E+01	8.83E-01	1.91E-04	6.20E-01	9.26E-02	1.60E+00	9.90E-01	4.53E+01	6.20E+00	4.73E-01	5.30E+01
2085	494661.06	3859601.99	11.7712	4.24938	61.229	8.61136	8.97E-01	4.53E+01	6.77E+00	4.92E-01	5.35E+01	8.71E-01	1.92E-04	6.77E-01	9.64E-02	1.65E+00	9.77E-01	4.53E+01	6.77E+00	4.92E-01	5.36E+01
2086	494711.06	3859601.99	11.5848	3.2442	66.292	8.7342	8.83E-01	3.46E+01	7.33E+00	4.99E-01	4.33E+01	8.58E-01	1.46E-04	7.33E-01	9.78E-02	1.69E+00	9.62E-01	3.46E+01	7.33E+00	4.99E-01	4.34E+01
2087	494761.06	3859601.99	11.6823	4.26411	58.389	8.53058	8.90E-01	4.55E+01	6.46E+00	4.88E-01	5.33E+01	8.65E-01	1.92E-04	6.46E-01	9.55E-02	1.61E+00	9.70E-01	4.55E+01	6.46E+00	4.88E-01	5.34E+01
2088	494811.06	3859601.99	11.6321	3.22664	63.274	8.70875	8.87E-01	3.44E+01	7.00E+00	4.98E-01	4.28E+01	8.61E-01	1.45E-04	7.00E-01	9.75E-02	1.66E+00	9.66E-01	3.44E+01	7.00E+00	4.98E-01	4.29E+01
2089	494861.06	3859601.99	11.6213	3.18138	63.116	8.71143	8.86E-01	3.40E+01	6.98E+00	4.98E-01	4.23E+01	8.60E-01	1.43E-04	6.98E-01	9.75E-02	1.66E+00	9.65E-01	3.40E+01	6.98E+00	4.98E-01	4.24E+01
2090	494911.06	3859601.99	11.5434	3.02658	67.891	8.72407	8.80E-01	3.23E+01	7.51E+00	4.99E-01	4.12E+01	8.55E-01	1.36E-04	7.51E-01	9.77E-02	1.70E+00	9.58E-01	3.23E+01	7.51E+00	4.99E-01	4.13E+01
2091	494961.06	3859601.99	11.5809	3.12796	65.995	8.69037	8.83E-01	3.34E+01	7.30E+00	4.97E-01	4.21E+01	8.57E-01	1.41E-04	7.30E-01	9.73E-02	1.68E+00	9.61E-01	3.34E+01	7.30E+00	4.97E-01	4.21E+01
2092	495011.06	3859601.99	11.4667	2.95939	71.025	8.67442	8.74E-01	3.16E+01	7.85E+00	4.96E-01	4.08E+01	8.49E-01	1.33E-04	7.85E-01	9.71E-02	1.73E+00	9.52E-01	3.16E+01	7.85E+00	4.96E-01	4.09E+01
2093	495061.06	3859601.99	11.4505	3.00271	70.474	8.65879	8.73E-01	3.20E+01	7.79E+00	4.95E-01	4.12E+01	8.48E-01	1.35E-04	7.79E-01	9.69E-02	1.72E+00	9.51E-01	3.20E+01	7.79E+00	4.95E-01	4.13E+01
2094	495111.06	3859601.99	11.3491	2.90465	73.501	8.61297	8.65E-01	3.10E+01	8.13E+00	4.93E-01	4.05E+01	8.40E-01	1.31E-04	8.13E-01	9.64E-02	1.75E+00	9.42E-01	3.10E+01	8.13E+00	4.93E-01	4.06E+01
2095	495161.06	3859601.99	11.3044	2.92183	73.452	8.64983	8.62E-01	3.12E+01	8.12E+00	4.95E-01	4.07E+01	8.37E-01	1.32E-04	8.12E-01	9.68E-02	1.75E+00	9.39E-01	3.12E+01	8.12E+00	4.95E-01	4.07E+01
2096	495211.06	3859601.99	11.2212	2.89764	74.378	8.77665	8.55E-01	3.09E+01	8.22E+00	5.02E-01	4.05E+01	8.31E-01	1.31E-04	8.22E-01	9.82E-02	1.75E+00	9.32E-01	3.09E+01	8.22E+00	5.02E-01	4.06E+01
2097	495261.06	3859601.99	11.148	2.89483	74.657	8.87518	8.50E-01	3.09E+01	8.25E+00	5.08E-01	4.05E+01	8.25E-01	1.30E-04	8.25E-01	9.94E-02	1.75E+00	9.26E-01	3.09E+01	8.25E+00	5.08E-01	4.06E+01
2098	495311.06	3859601.99	11.069	2.90021	74.63	8.95886	8.44E-01	3.10E+01	8.25E+00	5.12E-01	4.06E+01	8.19E-01	1.31E-04	8.25E-01	1.00E-01	1.75E+00	9.19E-01	3.10E+01	8.25E+00	5.12E-01	4.06E+01
2099	495361.06	3859601.99	10.9537	2.86233	75.639	9.07891	8.35E-01	3.05E+01	8.36E+00	5.19E-01	4.03E+01	8.11E-01	1.29E-04	8.36E-01	1.02E-01	1.75E+00	9.09E-01	3.05E+01	8.36E+00	5.19E-01	4.03E+01
2100	495411.06	3859601.99	10.856	2.86101	75.607	9.15617	8.27E-01	3.05E+01	8.36E+00	5.24E-01	4.02E+01	8.04E-01	1.29E-04	8.36E-01	1.02E-01	1.74E+00	9.01E-01	3.05E+01	8.36E+00	5.24E-01	4.03E+01
2101	495461.06	3859601.99	10.6843	2.73328	78.648	9.325	8.14E-01	2.92E+01	8.70E+00	5.33E-01	3.92E+01	7.91E-01	1.23E-04	8.70E-01	1.04E-01	1.77E+00	8.87E-01	2.92E+01	8.70E+00	5.33E-01	3.93E+01
2102	495511.06	3859601.99	10.5562	2.628	80.833	9.43411	8.05E-01	2.80E+01	8.94E+00	5.39E-01	3.83E+01	7.82E-01	1.18E-04	8.94E-01	1.06E-01	1.78E+00	8.76E-01	2.80E+01	8.94E+00	5.39E-01	3.84E+01
2103	495561.06	3859601.99	10.5575	2.65516	79.901	9.48105	8.05E-01	2.83E+01	8.83E+00	5.42E-01	3.85E+01	7.82E-01	1.20E-04	8.83E-01	1.06E-01	1.77E+00	8.76E-01	2.83E+01	8.83E+00	5.42E-01	3.86E+01
2104	495611.06	3859601.99	10.385	2.52672	82.184	9.54822	7.92E-01	2.70E+01	9.09E+00	5.46E-01	3.74E+01	7.69E-01	1.14E-04	9.09E-01	1.07E-01	1.78E+00	8.62E-01	2.70E+01	9.09E+00	5.46E-01	3.75E+01
2105	495661.06	3859601.99	10.3387	2.52189	81.772	9.58868	7.88E-01	2.69E+01	9.04E+00	5.48E-01	3.73E+01	7.65E-01	1.14E-04	9.04E-01	1.07E-01	1.78E+00	8.58E-01	2.69E+01	9.04E+00	5.48E-01	3.74E+01
2106	494311.06	3859651.99	12.2717	4.33985	42.556	7.07595	9.35E-01	4.63E+01	4.71E+00	4.05E-01	5.24E+01	9.09E-01	1.96E-04	4.71E-01	7.92E-02	1.46E+00	1.02E+00	4.63E+01	4.71E+00	4.05E-01	5.24E+01
2107	494361.06	3859651.99	12.2469	4.26854	52.213	7.87666	9.33E-01	4.56E+01	5.77E+00	4.50E-01	5.27E+01	9.07E-01	1.92E-04	5.77E-01	8.82E-02	1.57E+00	1.02E+00	4.56E+01	5.77E+00	4.50E-01	5.28E+01
2108	494411.06	3859651.99	12.1616	4.27513	53.827	8.01506	9.27E-01	4.56E+01	5.95E+00	4.58E-01	5.30E+01	9.00E-01	1.93E-04	5.95E-01	8.97E-02	1.59E+00	1.01E+00	4.56E+01	5.95E+00	4.58E-01	5.30E+01
2109	494461.06	3859651.99	12.0529	4.28608	49.958	7.77674	9.19E-01	4.57E+01	5.52E+00	4.45E-01	5.26E+01	8.92E-01	1.93E-04	5.52E-01	8.71E-02	1.53E+00	1.00E+00	4.57E+01	5.52E+00	4.45E-01	5.27E+01
2110	494511.06	3859651.99	11.956	4.29164	52.047	7.96509	9.11E-01	4.58E+01	5.75E+00	4.55E-01	5.29E+01	8.85E-01	1.93E-04	5.75E-01	8.92E-02	1.55E+00	9.93E-01	4.58E+01	5.75E+00	4.55E-01	5.30E+01
2111	494561.06	3859651.99	11.9572	4.29889	51.894	7.99768	9.11E-01	4.59E+01	5.74E+00	4.57E-01	5.30E+01	8.85E-01	1.94E-04	5.74E-01	8.95E-02	1.55E+00	9.93E-01	4.59E+01	5.74E+00	4.57E-01	5.31E+01
2112	494611.06	3859651.99	11.9403	4.30561	52.069	8.05682	9.10E-01	4.59E+01	5.76E+00	4.61E-01	5.31E+01	8.84E-01	1.94E-04	5.76E-01	9.02E-02	1.55E+00	9.91E-01	4.59E+01	5.76E+00	4.61E-01	5.32E+01
2113	494661.06	3859651.99	11.8477	4.30618	59.285	8.60648	9.03E-01	4.60E+01	6.55E+00	4.92E-01	5.39E+01	8.77E-01	1.94E-04	6.55E-01	9.63E-02	1.63E+00	9.84E-01	4.60E+01	6.55E+00	4.92E-01	5.40E+01
2114	494711.06	3859651.99	11.8034	4.31288	58.804	8.6231	9.00E-01	4.60E+01	6.50E+00	4.93E-01	5.39E+01	8.74E-01	1.94E-04	6.50E-01	9.65E-02	1.62E+00	9.80E-01	4.60E+01	6.50E+00	4.93E-01	5.40E+01
2115	494761.06	3859651.99	11.7532	4.31949	57.911	8.55016	8.96E-01	4.61E+01	6.40E+00	4.89E-01	5.39E+01	8.70E-01	1.95E-04	6.40E-01	9.57E-02	1.61E+00	9.76E-01	4.61E+01	6.40E+00	4.89E-01	5.40E+01
2116	494811.06	3859651.99	11.6408	4.32302	60.577	8.71608	8.87E-01	4.61E+01	6.70E+00	4.98E-01	5.42E+01	8.62E-01	1.95E-04	6.70E-01	9.76E-02	1.63E+00	9.66E-01	4.61E+01	6.70E+00	4.98E-01	5.43E+01
2117	494861.06	3859651.99	11.5567	4.32914	59.746	8.72383	8.81E-01	4.62E+01	6.61E+00	4.99E-01	5.42E+01	8.56E-01	1.95E-04	6.61E-01	9.77E-02	1.61E+00	9.59E-01	4.62E+01	6.61E+00	4.99E-01	5.43E+01
2118	494911.06	3859651.99	11.5287	4.33376	60.38	8.78723	8.79E-01	4.62E+01	6.68E+00	5.02E-01	5.43E+01	8.54E-01	1.95E-04	6.68E-01	9.84E-02	1.62E+00	9.57E-01	4.62E+01	6.68E+00	5.02E-01	5.44E+01
2119	494961.06	3859651.99	11.54	4.33926	59.752	8.80172	8.80E-01	4.63E+01	6.61E+00	5.03E-01	5.43E+01	8.54E-01	1.96E-04	6.61E-01	9.85E-02	1.61E+00	9.58E-01	4.63E+01	6.61E+00	5.03E-01	5.44E+01
2120	495011.06	3859651.99	11.531	3.31804	59.718	8.8327	8.79E-01	3.54E+01	6.60E+00	5.05E-01	4.34E+01	8.54E-01	1.50E-04	6.60E-01	9.89E-02	1.61E+00	9.57E-01	3.54E+01	6.60E+00	5.05E-01	4.35E+01
2121	495061.06	3859651.99	11.5267	3.31566	58.154	8.81721	8.79E-01	3.54E+01	6.43E+00	5.04E-01	4.32E+01	8.53E-01	1.49E-04	6.43E-01	9.87E-02	1.60E+00	9.57E-01	3.54E+01	6.43E+00	5.04E-01	4.33E+01
2122	495111.06	3859651.99	11.4846	3.24245	60.817	8.84757	8.75E-01	3.46E+01	6.72E+00	5.06E-01	4.27E+01	8.50E-01	1.46E-04	6.72E-01	9.90E-02	1.62E+00	9.53E-01	3.46E+01	6.72E+00	5.06E-01	4.28E+01
2123	495161.06	3859651.99	11.4448	3.21399	62.269	8.84258	8.72E-01	3.43E+01	6.88E+00	5.06E-01	4.26E+01	8.47E-01	1.45E-04	6.88E-01	9.90E-02	1.63E+00	9.50E-01	3.43E+01	6.88E+00	5.06E-01	4.26E+01
2124	495211.06	3859651.99	11.4063	3.21121	62.971	8.8241	8.69E-01	3.43E+01	6.96E+00	5.05E-01	4.26E+01	8.44E-01	1.45E-04	6.96E-01	9.88E-02	1.64E+00	9.47E-01	3.43E+01	6.96E+00	5.05E-01	4.27E+01
2125	495261.06	3859651.99	11.3428	3.17413	64.518	8.8181	8.65E-01	3.39E+01	7.13E+00	5.04E-01	4.24E+01	8.40E-01	1.43E-04	7.13E-01	9.87E-02	1.65E+00	9.42E-01	3.39E+01	7.13E+00	5.04E-01	4.25E+01
2126	495311.06	3859651.99	11.2769	3.15689	65.458	8.80244	8.60E-01	3.37E+01	7.24E+00	5.03E-01	4.23E+01	8.35E-01	1.42E-04	7.24E-01	9.85E-02	1.66E+00	9.36E-01	3.37E+01	7.24E+00	5.03E-01	4.24E+01
2127	495361.06	3859651.99	11.2061	3.14934	66.057	8.78321	8.54E-01	3.36E+01	7.30E+00	5.02E-01	4.23E+01	8.30E-01	1.42E-04	7.30E-01	9.83E-02	1.66E+00	9.30E-01	3.36E+01	7.30E+00	5.02E-01	4.23E+01
2128	495411.06	3859651.99	11.1137	3.11178	67.4	8.76828	8.47E-01	3.32E+01	7.45E+00	5.01E-01	4.20E+01	8.23E-01	1.40E-04	7.45E-01	9.82E-02	1.67E+00	9.23E-01	3.32E+01	7.45E+00	5.01E-01	4.21E+01
2129	495461.06	3859651.99	10.9703	2.98861	70.967	8.73677	8.36E-01	3.19E+01	7.85E+00	5.00E-01	4.11E+01	8.12E-01	1.35E-04	7.85E-01	9.78E-02	1.69E+00	9.11E-01	3.19E+01	7.85E+00	5.00E-01	4.12E+01
2130	495511.06	3859651.99	10.824	2.89298	73.632	8.9203	8.25E-01	3.09E+01	8.14E+00	5.10E-01	4.03E+01	8.01E-01	1.30E-04	8.14E-01	9.99E-02	1.72E+00	8.99E-01	3.09E+01	8.14E+00	5.10E-01	4.04E+01
2131	495561.06	3859651.99	10.7191	2.88163	74.018	9.00958	8.17E-01	3.08E+01	8.18E+00	5.15E-01	4.03E+01	7.94E-01	1.30E-04	8.18E-01	1.01E-01	1.71E+00	8.90E-01	3.08E+01	8.18E+00	5.15E-01	4.03E+01

2132	495611.06	3859651.99	10.6371	2.83085	75.305	9.12542	8.11E-01	3.02E+01	8.33E+00	5.22E-01	3.99E+01	7.87E-01	1.28E-04	8.33E-01	1.02E-01	1.72E+00	8.83E-01	3.02E+01	8.33E+00	5.22E-01	3.99E+01
2133	495661.06	3859651.99	10.5579	2.76595	76.807	9.23632	8.05E-01	2.95E+01	8.49E+00	5.28E-01	3.93E+01	7.82E-01	1.25E-04	8.49E-01	1.03E-01	1.73E+00	8.77E-01	2.95E+01	8.49E+00	5.28E-01	3.94E+01
2134	494311.06	3859701.99	12.247	4.34917	47.588	7.63528	9.33E-01	4.64E+01	5.26E+00	4.37E-01	5.30E+01	9.07E-01	1.96E-04	5.26E-01	8.55E-02	1.52E+00	1.02E+00	4.64E+01	5.26E+00	4.37E-01	5.31E+01
2135	494361.06	3859701.99	12.2424	4.35367	49.528	7.89656	9.33E-01	4.65E+01	5.48E+00	4.52E-01	5.33E+01	9.06E-01	1.96E-04	5.48E-01	8.84E-02	1.54E+00	1.02E+00	4.65E+01	5.48E+00	4.52E-01	5.34E+01
2136	494411.06	3859701.99	12.1906	4.36134	49.065	7.86431	9.29E-01	4.65E+01	5.42E+00	4.50E-01	5.33E+01	9.03E-01	1.97E-04	5.42E-01	8.80E-02	1.53E+00	1.01E+00	4.65E+01	5.42E+00	4.50E-01	5.34E+01
2137	494461.06	3859701.99	12.0962	4.3729	43.741	7.42311	9.22E-01	4.67E+01	4.84E+00	4.24E-01	5.28E+01	8.96E-01	1.97E-04	4.84E-01	8.31E-02	1.46E+00	1.00E+00	4.67E+01	4.84E+00	4.24E-01	5.29E+01
2138	494511.06	3859701.99	12.0309	4.37809	45.204	7.57208	9.17E-01	4.67E+01	5.00E+00	4.33E-01	5.31E+01	8.91E-01	1.97E-04	5.00E-01	8.48E-02	1.48E+00	9.99E-01	4.67E+01	5.00E+00	4.33E-01	5.32E+01
2139	494561.06	3859701.99	11.9385	4.3844	45.066	7.58443	9.10E-01	4.68E+01	4.98E+00	4.34E-01	5.31E+01	8.84E-01	1.98E-04	4.98E-01	8.49E-02	1.47E+00	9.91E-01	4.68E+01	4.98E+00	4.34E-01	5.32E+01
2140	494611.06	3859701.99	11.8291	4.39008	45.286	7.63383	9.02E-01	4.68E+01	5.01E+00	4.37E-01	5.32E+01	8.76E-01	1.98E-04	5.01E-01	8.55E-02	1.46E+00	9.82E-01	4.68E+01	5.01E+00	4.37E-01	5.33E+01
2141	494661.06	3859701.99	11.8001	4.3875	54.99	8.39789	8.99E-01	4.68E+01	6.08E+00	4.80E-01	5.43E+01	8.74E-01	1.98E-04	6.08E-01	9.40E-02	1.58E+00	9.80E-01	4.68E+01	6.08E+00	4.80E-01	5.44E+01
2142	494711.06	3859701.99	11.8056	4.39476	52.525	8.26908	9.00E-01	4.69E+01	5.81E+00	4.73E-01	5.41E+01	8.74E-01	1.98E-04	5.81E-01	9.26E-02	1.55E+00	9.80E-01	4.69E+01	5.81E+00	4.73E-01	5.42E+01
2143	494761.06	3859701.99	11.7745	4.39777	54.981	8.47035	8.97E-01	4.69E+01	6.08E+00	4.84E-01	5.44E+01	8.72E-01	1.98E-04	6.08E-01	9.48E-02	1.57E+00	9.78E-01	4.69E+01	6.08E+00	4.84E-01	5.45E+01
2144	494811.06	3859701.99	11.7191	4.40021	57.53	8.66139	8.93E-01	4.70E+01	6.36E+00	4.95E-01	5.47E+01	8.68E-01	1.98E-04	6.36E-01	9.70E-02	1.60E+00	9.73E-01	4.70E+01	6.36E+00	4.95E-01	5.48E+01
2145	494861.06	3859701.99	11.6947	4.40696	54.396	8.52205	8.91E-01	4.70E+01	6.01E+00	4.87E-01	5.44E+01	8.66E-01	1.99E-04	6.01E-01	9.54E-02	1.56E+00	9.71E-01	4.70E+01	6.01E+00	4.87E-01	5.45E+01
2146	494911.06	3859701.99	11.6222	4.40978	55.633	8.64255	8.86E-01	4.71E+01	6.15E+00	4.94E-01	5.46E+01	8.60E-01	1.99E-04	6.15E-01	9.67E-02	1.57E+00	9.65E-01	4.71E+01	6.15E+00	4.94E-01	5.47E+01
2147	494961.06	3859701.99	11.535	4.41257	56.59	8.74203	8.79E-01	4.71E+01	6.26E+00	5.00E-01	5.47E+01	8.54E-01	1.99E-04	6.26E-01	9.79E-02	1.58E+00	9.58E-01	4.71E+01	6.26E+00	5.00E-01	5.48E+01
2148	495011.06	3859701.99	11.4567	4.41689	55.376	8.72621	8.73E-01	4.71E+01	6.12E+00	4.99E-01	5.46E+01	8.48E-01	1.99E-04	6.12E-01	9.77E-02	1.56E+00	9.51E-01	4.71E+01	6.12E+00	4.99E-01	5.47E+01
2149	495061.06	3859701.99	11.4202	4.41981	55.364	8.77545	8.70E-01	4.72E+01	6.12E+00	5.02E-01	5.47E+01	8.45E-01	1.99E-04	6.12E-01	9.82E-02	1.56E+00	9.48E-01	4.72E+01	6.12E+00	5.02E-01	5.47E+01
2150	495111.06	3859701.99	11.4354	4.42245	55.35	8.82394	8.72E-01	4.72E+01	6.12E+00	5.05E-01	5.47E+01	8.47E-01	1.99E-04	6.12E-01	9.88E-02	1.56E+00	9.49E-01	4.72E+01	6.12E+00	5.05E-01	5.48E+01
2151	495161.06	3859701.99	11.4313	4.42439	55.676	8.88571	8.71E-01	4.72E+01	6.16E+00	5.08E-01	5.48E+01	8.46E-01	1.99E-04	6.16E-01	9.95E-02	1.56E+00	9.49E-01	4.72E+01	6.16E+00	5.08E-01	5.48E+01
2152	495211.06	3859701.99	11.4137	4.42609	56.116	8.94584	8.70E-01	4.72E+01	6.20E+00	5.12E-01	5.48E+01	8.45E-01	2.00E-04	6.20E-01	1.00E-01	1.57E+00	9.48E-01	4.72E+01	6.20E+00	5.12E-01	5.49E+01
2153	495261.06	3859701.99	11.4032	4.43009	53.397	8.87815	8.69E-01	4.73E+01	5.90E+00	5.08E-01	5.46E+01	8.44E-01	2.00E-04	5.90E-01	9.94E-02	1.53E+00	9.47E-01	4.73E+01	5.90E+00	5.08E-01	5.46E+01
2154	495311.06	3859701.99	11.3633	4.43153	55.117	8.92082	8.66E-01	4.73E+01	6.09E+00	5.10E-01	5.48E+01	8.41E-01	2.00E-04	6.09E-01	9.99E-02	1.55E+00	9.43E-01	4.73E+01	6.09E+00	5.10E-01	5.48E+01
2155	495361.06	3859701.99	11.3116	3.33655	56.996	8.94477	8.62E-01	3.56E+01	6.30E+00	5.11E-01	4.33E+01	8.37E-01	1.50E-04	6.30E-01	1.00E-01	1.57E+00	9.39E-01	3.56E+01	6.30E+00	5.11E-01	4.34E+01
2156	495411.06	3859701.99	11.2358	3.24905	60.068	8.99189	8.56E-01	3.47E+01	6.64E+00	5.14E-01	4.27E+01	8.32E-01	1.46E-04	6.64E-01	1.01E-01	1.60E+00	9.33E-01	3.47E+01	6.64E+00	5.14E-01	4.28E+01
2157	495461.06	3859701.99	11.1548	3.19482	62.114	8.99899	8.50E-01	3.41E+01	6.87E+00	5.15E-01	4.23E+01	8.26E-01	1.44E-04	6.87E-01	1.01E-01	1.61E+00	9.26E-01	3.41E+01	6.87E+00	5.15E-01	4.24E+01
2158	495511.06	3859701.99	11.0187	3.03362	66.948	9.00343	8.40E-01	3.24E+01	7.40E+00	5.15E-01	4.11E+01	8.16E-01	1.37E-04	7.40E-01	1.01E-01	1.66E+00	9.15E-01	3.24E+01	7.40E+00	5.15E-01	4.12E+01
2159	495561.06	3859701.99	10.9739	3.10296	65.569	8.9796	8.36E-01	3.31E+01	7.25E+00	5.13E-01	4.17E+01	8.12E-01	1.40E-04	7.25E-01	1.01E-01	1.64E+00	9.11E-01	3.31E+01	7.25E+00	5.13E-01	4.18E+01
2160	495611.06	3859701.99	10.8692	3.05987	67.111	8.95773	8.28E-01	3.27E+01	7.42E+00	5.12E-01	4.14E+01	8.05E-01	1.38E-04	7.42E-01	1.00E-01	1.65E+00	9.02E-01	3.27E+01	7.42E+00	5.12E-01	4.15E+01
2161	495661.06	3859701.99	10.7484	3.00406	68.91	8.92553	8.19E-01	3.21E+01	7.62E+00	5.10E-01	4.10E+01	7.96E-01	1.35E-04	7.62E-01	9.99E-02	1.66E+00	8.92E-01	3.21E+01	7.62E+00	5.10E-01	4.11E+01
2162	494311.06	3859751.99	12.3754	4.45787	46.213	7.08463	9.43E-01	4.76E+01	5.11E+00	4.05E-01	5.40E+01	9.16E-01	2.01E-04	5.11E-01	7.93E-02	1.51E+00	1.03E+00	4.76E+01	5.11E+00	4.05E-01	5.41E+01
2163	494361.06	3859751.99	12.2568	4.46191	46.295	7.24041	9.34E-01	4.76E+01	5.12E+00	4.14E-01	5.41E+01	9.07E-01	2.01E-04	5.12E-01	8.11E-02	1.50E+00	1.02E+00	4.76E+01	5.12E+00	4.14E-01	5.42E+01
2164	494411.06	3859751.99	12.1282	4.4645	46.779	7.5122	9.24E-01	4.76E+01	5.17E+00	4.30E-01	5.42E+01	8.98E-01	2.01E-04	5.17E-01	8.41E-02	1.50E+00	1.01E+00	4.76E+01	5.17E+00	4.30E-01	5.43E+01
2165	494461.06	3859751.99	12.0087	4.47275	44.304	7.14049	9.15E-01	4.77E+01	4.90E+00	4.08E-01	5.40E+01	8.89E-01	2.02E-04	4.90E-01	7.99E-02	1.46E+00	9.97E-01	4.77E+01	4.90E+00	4.08E-01	5.40E+01
2166	494511.06	3859751.99	11.9496	4.47881	42.685	6.96589	9.11E-01	4.78E+01	4.72E+00	3.98E-01	5.38E+01	8.85E-01	2.02E-04	4.72E-01	7.80E-02	1.43E+00	9.92E-01	4.78E+01	4.72E+00	3.98E-01	5.39E+01
2167	494561.06	3859751.99	11.9171	4.48171	42.29	7.10943	9.08E-01	4.78E+01	4.68E+00	4.07E-01	5.38E+01	8.82E-01	2.02E-04	4.68E-01	7.96E-02	1.43E+00	9.89E-01	4.78E+01	4.68E+00	4.07E-01	5.39E+01
2168	494611.06	3859751.99	11.8853	4.48285	42.392	7.4034	9.06E-01	4.78E+01	4.69E+00	4.23E-01	5.39E+01	8.80E-01	2.02E-04	4.69E-01	8.29E-02	1.43E+00	9.87E-01	4.78E+01	4.69E+00	4.23E-01	5.39E+01
2169	494661.06	3859751.99	11.8474	4.48131	46.541	7.99982	9.03E-01	4.78E+01	5.15E+00	4.57E-01	5.43E+01	8.77E-01	2.02E-04	5.15E-01	8.96E-02	1.48E+00	9.84E-01	4.78E+01	5.15E+00	4.57E-01	5.44E+01
2170	494711.06	3859751.99	11.7429	4.4856	45.19	7.85279	8.95E-01	4.79E+01	5.00E+00	4.49E-01	5.42E+01	8.69E-01	2.02E-04	5.00E-01	8.79E-02	1.46E+00	9.75E-01	4.79E+01	5.00E+00	4.49E-01	5.43E+01
2171	494761.06	3859751.99	11.6544	4.4885	45.078	7.86624	8.88E-01	4.79E+01	4.98E+00	4.50E-01	5.42E+01	8.63E-01	2.02E-04	4.98E-01	8.81E-02	1.45E+00	9.68E-01	4.79E+01	4.98E+00	4.50E-01	5.43E+01
2172	494811.06	3859751.99	11.6716	4.48921	47.211	8.08	8.90E-01	4.79E+01	5.22E+00	4.62E-01	5.45E+01	8.64E-01	2.02E-04	5.22E-01	9.05E-02	1.48E+00	9.69E-01	4.79E+01	5.22E+00	4.62E-01	5.46E+01
2173	494861.06	3859751.99	11.668	4.49089	47.614	8.14701	8.89E-01	4.79E+01	5.26E+00	4.66E-01	5.45E+01	8.64E-01	2.02E-04	5.26E-01	9.12E-02	1.48E+00	9.69E-01	4.79E+01	5.26E+00	4.66E-01	5.46E+01
2174	494911.06	3859751.99	11.6483	4.49215	48.114	8.22593	8.88E-01	4.79E+01	5.32E+00	4.70E-01	5.46E+01	8.62E-01	2.02E-04	5.32E-01	9.21E-02	1.49E+00	9.67E-01	4.79E+01	5.32E+00	4.70E-01	5.47E+01
2175	494961.06	3859751.99	11.6145	4.49312	48.531	8.3016	8.85E-01	4.79E+01	5.37E+00	4.75E-01	5.47E+01	8.60E-01	2.03E-04	5.37E-01	9.29E-02	1.49E+00	9.64E-01	4.79E+01	5.37E+00	4.75E-01	5.48E+01
2176	495011.06	3859751.99	11.5651	4.49352	49.319	8.40862	8.82E-01	4.80E+01	5.45E+00	4.81E-01	5.48E+01	8.56E-01	2.03E-04	5.45E-01	9.41E-02	1.50E+00	9.60E-01	4.80E+01	5.45E+00	4.81E-01	5.48E+01
2177	495061.06	3859751.99	11.5054	4.49476	48.595	8.40351	8.77E-01	4.80E+01	5.37E+00	4.81E-01	5.47E+01	8.52E-01	2.03E-04	5.37E-01	9.41E-02	1.48E+00	9.55E-01	4.80E+01	5.37E+00	4.81E-01	5.48E+01
2178	495111.06	3859751.99	11.4311	4.49449	49.175	8.50041	8.71E-01	4.80E+01	5.44E+00	4.86E-01	5.48E+01	8.46E-01	2.03E-04	5.44E-01	9.52E-02	1.49E+00	9.49E-01	4.80E+01	5.44E+00	4.86E-01	5.48E+01
2179	495161.06	3859751.99	11.3387	4.49362	50.164	8.62626	8.64E-01	4.80E+01	5.55E+00	4.93E-01	5.49E+01	8.39E-01	2.03E-04	5.55E-01	9.66E-02	1.49E+00	9.41E-01	4.80E+01	5.55E+00	4.93E-01	5.49E+01
2180	495211.06	3859751.99	11.2909	4.49216	51.273	8.75587	8.61E-01	4.79E+01	5.67E+00	5.01E-01	5.50E+01	8.36E-01	2.03E-04	5.67E-01	9.80E-02	1.50E+00	9.37E-01	4.79E+01	5.67E+00	5.01E-01	5.50E+01
2181	495261.06	3859751.99	11.3063	4.49194	50.57	8.76696	8.62E-01	4.79E+01	5.59E+00	5.01E-01	5.49E+01	8.37E-01	2.02E-04	5.59E-01	9.81E-02	1.49E+00	9.39E-01	4.79E+01	5.59E+00	5.01E-01	5.50E+01
2182	495311.06	3859751.99	11.3129	4.49046	50.984	8.84992	8.62E-01	4.79E+01	5.64E+00	5.06E-01	5.49E+01	8.38E-01	2.02E-04	5.64E-01	9.91E-02	1.50E+00	9.39E-01	4.79E+01	5.64E+00	5.06E-01	5.50E+01
2183	495361.06	3859751.99	11.301	4.48904	50.951	8.90429	8.61E-01	4.79E+01	5.63E+00	5.09E-01	5.49E+01	8.37E-01	2.02E-04	5.63E-01	9.97E-02	1.50E+00	9.38E-01	4.79E+01	5.63E+00	5.09E-01	5.50E+01
2184	495411.06	3859751.99	11.2796	4.48745	50.77	8.94938	8.60E-01	4.79E+01	5.61E+00	5.12E-01	5.49E+01	8.35E-01	2.02E-04	5.61E-01	1.00E-01	1.50E+00	9.36E-01	4.79E+01	5.61E+00	5.12E-01	5.50E+01
2185	495461.06	3859751.99	11.235	4.48429	52.132	9.06876	8.56E-01	4.79E+01	5.76E+00	5.19E-01	5.50E+01	8.32E-01	2.02E-04	5.76E-01	1.02E-01	1.51E+00	9.33E-01	4.79E+01	5.76E+00	5.19E-01	5.51E+01
2186	495511.06	3859751.99	11.176	4.48101	54.589	9.15899	8.52E-01	4.78E+01	6.04E+00	5.24E-01	5.52E+01	8.27E-01	2.02E-04	6.04E-01	1.03E-01	1.53E+00	9.28E-01	4.78E+01	6.04E+00	5.24E-01	5.53E+01
2187	495561.06	3859751.99	11.113	3.27076	56.399	9.17603	8.47E-01	3.49E+01	6.24E+00	5.25E-01	4.25E+01	8.23E-01	1.47E-04	6.24E-01	1.03E-01	1.55E+00	9.23E-01	3.49E+01	6.24E+00	5.25E-01	4.26E+01
2188	495611.06	3859751.99	11.0417	3.23302	58.129	9.18521	8.42E-01	3.45E+01	6.43E+00	5.25E-01	4.23E+01	8.17E-01	1.46E-04	6.43E-01	1.03E-01	1.56E+00	9.17E-01	3.45E+01	6.43E+00	5.25E-01	4.24E+01
2189	495661.06	3859751.99	10.9674	3.22387	58.989	9.17048	8.36E-01	3.44E+01	6.52E+00	5.24E-01	4.23E+01	8.12E-01	1.45E-04	6.52E-01	1.03E-01	1.57E+00	9.11E-01	3.44E+01	6.52E+00	5.24E-01	4.24E+01
2190	494311.06	3859801.99	12.6068	4.56877	42.799	6.37287	9.61E-01	4.88E+01	4.73E+00	3.64E-01	5.48E+01	9.33E-01	2.06E-04	4.73E-01	7.13E-02	1.48E+00	1.05E+00	4.88E+01	4.73E+00	3.64E-01	5.49E+01
2191	494361.06	3859801.99	12.4287	4.56759	44.281	6.77158	9.47E-01	4.87E+01	4.90E+00	3.87E-01	5.50E+01	9.20E-01	2.06E-04	4.90E-01	7.58E-02	1.49E+00	1.03E+00	4.87E+01	4.90E+00	3.87E-01	5.51E+01
2192	494411.06	3859801.99	12.2539	4.56584	45.851	7.21235	9.34E-01	4.87E+01	5.07E+00	4.12E-01	5.51E+01	9.07E-01	2.06E-04	5.07E-01	8.07E-02	1.50E+00	1.02E+00	4.87E+01	5.07E+00	4.12E-01	5.52E+01

2193	494461.06	3859801.99	12.0569	4.57035	43.978	6.85663	9.19E-01	4.88E+01	4.86E+00	3.92E-01	5.49E+01	8.93E-01	2.06E-04	4.86E-01	7.68E-02	1.46E+00	1.00E+00	4.88E+01	4.86E+00	3.92E-01	5.50E+01
2194	494511.06	3859801.99	11.815	4.57532	41.802	6.4254	9.01E-01	4.88E+01	4.62E+00	3.67E-01	5.47E+01	8.75E-01	2.06E-04	4.62E-01	7.19E-02	1.41E+00	9.81E-01	4.88E+01	4.62E+00	3.67E-01	5.48E+01
2195	494561.06	3859801.99	11.7304	4.5752	41.706	6.54672	8.94E-01	4.88E+01	4.61E+00	3.74E-01	5.47E+01	8.68E-01	2.06E-04	4.61E-01	7.33E-02	1.40E+00	9.74E-01	4.88E+01	4.61E+00	3.74E-01	5.48E+01
2196	494611.06	3859801.99	11.8146	4.57039	43.49	7.1845	9.01E-01	4.88E+01	4.81E+00	4.11E-01	5.49E+01	8.75E-01	2.06E-04	4.81E-01	8.04E-02	1.44E+00	9.81E-01	4.88E+01	4.81E+00	4.11E-01	5.50E+01
2197	494661.06	3859801.99	11.799	4.56897	43.462	7.38252	8.99E-01	4.88E+01	4.81E+00	4.22E-01	5.49E+01	8.74E-01	2.06E-04	4.81E-01	8.26E-02	1.44E+00	9.80E-01	4.88E+01	4.81E+00	4.22E-01	5.50E+01
2198	494711.06	3859801.99	11.7812	4.5661	43.828	7.70732	8.98E-01	4.87E+01	4.85E+00	4.41E-01	5.49E+01	8.72E-01	2.06E-04	4.85E-01	8.63E-02	1.44E+00	9.78E-01	4.87E+01	4.85E+00	4.41E-01	5.50E+01
2199	494761.06	3859801.99	11.6644	4.56878	41.462	7.34649	8.89E-01	4.88E+01	4.58E+00	4.20E-01	5.46E+01	8.64E-01	2.06E-04	4.58E-01	8.22E-02	1.40E+00	9.68E-01	4.88E+01	4.58E+00	4.20E-01	5.47E+01
2200	494811.06	3859801.99	11.5966	4.5665	41.122	7.53764	8.84E-01	4.87E+01	4.55E+00	4.31E-01	5.46E+01	8.59E-01	2.06E-04	4.55E-01	8.44E-02	1.40E+00	9.63E-01	4.87E+01	4.55E+00	4.31E-01	5.47E+01
2201	494861.06	3859801.99	11.4947	4.5653	40.112	7.56507	8.76E-01	4.87E+01	4.43E+00	4.33E-01	5.45E+01	8.51E-01	2.06E-04	4.43E-01	8.47E-02	1.38E+00	9.54E-01	4.87E+01	4.43E+00	4.33E-01	5.45E+01
2202	494911.06	3859801.99	11.5002	4.56192	41.733	7.81333	8.77E-01	4.87E+01	4.61E+00	4.47E-01	5.46E+01	8.51E-01	2.06E-04	4.61E-01	8.75E-02	1.40E+00	9.55E-01	4.87E+01	4.61E+00	4.47E-01	5.47E+01
2203	494961.06	3859801.99	11.5145	4.55956	42.379	7.90139	8.78E-01	4.87E+01	4.69E+00	4.52E-01	5.47E+01	8.52E-01	2.06E-04	4.69E-01	8.85E-02	1.41E+00	9.56E-01	4.87E+01	4.69E+00	4.52E-01	5.48E+01
2204	495011.06	3859801.99	11.513	4.55663	43.294	8.01955	8.78E-01	4.86E+01	4.79E+00	4.59E-01	5.47E+01	8.52E-01	2.05E-04	4.79E-01	8.98E-02	1.42E+00	9.56E-01	4.86E+01	4.79E+00	4.59E-01	5.48E+01
2205	495061.06	3859801.99	11.4911	4.55397	43.295	8.05384	8.76E-01	4.86E+01	4.79E+00	4.61E-01	5.47E+01	8.51E-01	2.05E-04	4.79E-01	9.02E-02	1.42E+00	9.54E-01	4.86E+01	4.79E+00	4.61E-01	5.48E+01
2206	495111.06	3859801.99	11.4614	4.5498	44.911	8.24311	8.74E-01	4.86E+01	4.97E+00	4.71E-01	5.49E+01	8.49E-01	2.05E-04	4.97E-01	9.23E-02	1.44E+00	9.52E-01	4.86E+01	4.97E+00	4.71E-01	5.49E+01
2207	495161.06	3859801.99	11.4148	4.54547	46.182	8.39804	8.70E-01	4.85E+01	5.11E+00	4.80E-01	5.50E+01	8.45E-01	2.05E-04	5.11E-01	9.40E-02	1.45E+00	9.48E-01	4.85E+01	5.11E+00	4.80E-01	5.50E+01
2208	495211.06	3859801.99	11.3529	4.54202	46.021	8.43085	8.65E-01	4.85E+01	5.09E+00	4.82E-01	5.49E+01	8.40E-01	2.05E-04	5.09E-01	9.44E-02	1.44E+00	9.43E-01	4.85E+01	5.09E+00	4.82E-01	5.50E+01
2209	495261.06	3859801.99	11.2774	4.53713	47.357	8.59222	8.60E-01	4.84E+01	5.24E+00	4.91E-01	5.50E+01	8.35E-01	2.05E-04	5.24E-01	9.62E-02	1.45E+00	9.36E-01	4.84E+01	5.24E+00	4.91E-01	5.51E+01
2210	495311.06	3859801.99	11.1921	4.5332	46.815	8.60137	8.53E-01	4.84E+01	5.18E+00	4.92E-01	5.49E+01	8.29E-01	2.04E-04	5.18E-01	9.63E-02	1.44E+00	9.29E-01	4.84E+01	5.18E+00	4.92E-01	5.50E+01
2211	495361.06	3859801.99	11.1429	4.52795	47.544	8.71522	8.49E-01	4.83E+01	5.26E+00	4.98E-01	5.49E+01	8.25E-01	2.04E-04	5.26E-01	9.76E-02	1.45E+00	9.25E-01	4.83E+01	5.26E+00	4.98E-01	5.50E+01
2212	495411.06	3859801.99	11.167	4.52184	48.947	8.87641	8.51E-01	4.83E+01	5.41E+00	5.08E-01	5.50E+01	8.27E-01	2.04E-04	5.41E-01	9.94E-02	1.47E+00	9.27E-01	4.83E+01	5.41E+00	5.08E-01	5.51E+01
2213	495461.06	3859801.99	11.1706	4.51639	49.252	8.95417	8.51E-01	4.82E+01	5.45E+00	5.12E-01	5.50E+01	8.27E-01	2.04E-04	5.45E-01	1.00E-01	1.47E+00	9.27E-01	4.82E+01	5.45E+00	5.12E-01	5.51E+01
2214	495511.06	3859801.99	11.1635	4.50916	51.346	9.14148	8.51E-01	4.81E+01	5.68E+00	5.23E-01	5.52E+01	8.26E-01	2.03E-04	5.68E-01	1.02E-01	1.50E+00	9.27E-01	4.81E+01	5.68E+00	5.23E-01	5.52E+01
2215	495561.06	3859801.99	11.1376	4.50371	50.878	9.16556	8.49E-01	4.81E+01	5.63E+00	5.24E-01	5.51E+01	8.25E-01	2.03E-04	5.63E-01	1.03E-01	1.49E+00	9.25E-01	4.81E+01	5.63E+00	5.24E-01	5.51E+01
2216	495611.06	3859801.99	11.1115	4.49924	48.886	9.10172	8.47E-01	4.80E+01	5.40E+00	5.20E-01	5.48E+01	8.23E-01	2.03E-04	5.40E-01	1.02E-01	1.47E+00	9.22E-01	4.80E+01	5.40E+00	5.20E-01	5.49E+01
2217	495661.06	3859801.99	11.0599	4.49178	50.126	9.22482	8.43E-01	4.79E+01	5.54E+00	5.28E-01	5.48E+01	8.19E-01	2.02E-04	5.54E-01	1.03E-01	1.48E+00	9.18E-01	4.79E+01	5.54E+00	5.28E-01	5.49E+01
2218	494311.06	3859851.99	12.7729	4.66069	39.394	5.91441	9.74E-01	4.97E+01	4.36E+00	3.38E-01	5.54E+01	9.46E-01	2.10E-04	4.36E-01	6.62E-02	1.45E+00	1.06E+00	4.97E+01	4.36E+00	3.38E-01	5.55E+01
2219	494361.06	3859851.99	12.6405	4.65689	40.591	6.16778	9.63E-01	4.97E+01	4.49E+00	3.53E-01	5.55E+01	9.36E-01	2.10E-04	4.49E-01	6.90E-02	1.45E+00	1.05E+00	4.97E+01	4.49E+00	3.53E-01	5.56E+01
2220	494411.06	3859851.99	12.498	4.65185	42.06	6.51917	9.53E-01	4.96E+01	4.65E+00	3.73E-01	5.56E+01	9.25E-01	2.10E-04	4.65E-01	7.30E-02	1.46E+00	1.04E+00	4.96E+01	4.65E+00	3.73E-01	5.57E+01
2221	494461.06	3859851.99	12.2697	4.64807	42.687	6.67354	9.35E-01	4.96E+01	4.72E+00	3.82E-01	5.56E+01	9.08E-01	2.10E-04	4.72E-01	7.47E-02	1.46E+00	1.02E+00	4.96E+01	4.72E+00	3.82E-01	5.57E+01
2222	494511.06	3859851.99	11.9396	4.64719	41.703	6.42935	9.10E-01	4.96E+01	4.61E+00	3.68E-01	5.55E+01	8.84E-01	2.09E-04	4.61E-01	7.20E-02	1.42E+00	9.91E-01	4.96E+01	4.61E+00	3.68E-01	5.56E+01
2223	494561.06	3859851.99	11.7233	4.64679	40.273	6.08344	8.94E-01	4.96E+01	4.45E+00	3.48E-01	5.53E+01	8.68E-01	2.09E-04	4.45E-01	6.81E-02	1.38E+00	9.73E-01	4.96E+01	4.45E+00	3.48E-01	5.54E+01
2224	494611.06	3859851.99	11.7624	4.63741	42.703	6.82341	8.97E-01	4.95E+01	4.72E+00	3.90E-01	5.55E+01	8.71E-01	2.09E-04	4.72E-01	7.64E-02	1.42E+00	9.77E-01	4.95E+01	4.72E+00	3.90E-01	5.56E+01
2225	494661.06	3859851.99	11.5754	4.63461	41.776	6.67774	8.82E-01	4.95E+01	4.62E+00	3.82E-01	5.53E+01	8.57E-01	2.09E-04	4.62E-01	7.48E-02	1.39E+00	9.61E-01	4.95E+01	4.62E+00	3.82E-01	5.54E+01
2226	494711.06	3859851.99	11.6327	4.627	42.949	7.13302	8.87E-01	4.94E+01	4.75E+00	4.08E-01	5.54E+01	8.61E-01	2.09E-04	4.75E-01	7.98E-02	1.42E+00	9.66E-01	4.94E+01	4.75E+00	4.08E-01	5.55E+01
2227	494761.06	3859851.99	11.5445	4.625	41.163	6.80273	8.80E-01	4.94E+01	4.55E+00	3.89E-01	5.52E+01	8.55E-01	2.08E-04	4.55E-01	7.62E-02	1.39E+00	9.58E-01	4.94E+01	4.55E+00	3.89E-01	5.53E+01
2228	494811.06	3859851.99	11.5245	4.61893	41.07	6.96646	8.78E-01	4.93E+01	4.54E+00	3.98E-01	5.51E+01	8.53E-01	2.08E-04	4.54E-01	7.80E-02	1.39E+00	9.57E-01	4.93E+01	4.54E+00	3.98E-01	5.52E+01
2229	494861.06	3859851.99	11.4573	4.61428	40.165	6.92113	8.73E-01	4.92E+01	4.44E+00	3.96E-01	5.50E+01	8.48E-01	2.08E-04	4.44E-01	7.75E-02	1.37E+00	9.51E-01	4.92E+01	4.44E+00	3.96E-01	5.50E+01
2230	494911.06	3859851.99	11.4189	4.60694	40.206	7.17858	8.70E-01	4.92E+01	4.45E+00	4.10E-01	5.49E+01	8.45E-01	2.08E-04	4.45E-01	8.04E-02	1.37E+00	9.48E-01	4.92E+01	4.45E+00	4.10E-01	5.50E+01
2231	494961.06	3859851.99	11.3399	4.60057	39.654	7.28596	8.64E-01	4.91E+01	4.38E+00	4.17E-01	5.48E+01	8.40E-01	2.07E-04	4.38E-01	8.16E-02	1.36E+00	9.41E-01	4.91E+01	4.38E+00	4.17E-01	5.48E+01
2232	495011.06	3859851.99	11.2878	4.59384	39.068	7.40646	8.60E-01	4.90E+01	4.32E+00	4.24E-01	5.46E+01	8.36E-01	2.07E-04	4.32E-01	8.29E-02	1.35E+00	9.37E-01	4.90E+01	4.32E+00	4.24E-01	5.47E+01
2233	495061.06	3859851.99	11.3096	4.5874	38.134	7.43915	8.62E-01	4.90E+01	4.22E+00	4.25E-01	5.45E+01	8.37E-01	2.07E-04	4.22E-01	8.33E-02	1.34E+00	9.39E-01	4.90E+01	4.22E+00	4.25E-01	5.45E+01
2234	495111.06	3859851.99	11.3408	4.5788	38.128	7.70888	8.64E-01	4.89E+01	4.22E+00	4.41E-01	5.44E+01	8.40E-01	2.06E-04	4.22E-01	8.63E-02	1.35E+00	9.42E-01	4.89E+01	4.22E+00	4.41E-01	5.45E+01
2235	495161.06	3859851.99	11.3436	4.5708	39.284	7.86279	8.65E-01	4.88E+01	4.34E+00	4.50E-01	5.44E+01	8.40E-01	2.06E-04	4.34E-01	8.80E-02	1.36E+00	9.42E-01	4.88E+01	4.34E+00	4.50E-01	5.45E+01
2236	495211.06	3859851.99	11.3255	4.56293	40.098	7.98077	8.63E-01	4.87E+01	4.43E+00	4.56E-01	5.44E+01	8.38E-01	2.06E-04	4.43E-01	8.93E-02	1.37E+00	9.40E-01	4.87E+01	4.43E+00	4.56E-01	5.45E+01
2237	495261.06	3859851.99	11.2968	4.55438	41.204	8.132	8.61E-01	4.86E+01	4.56E+00	4.65E-01	5.45E+01	8.36E-01	2.05E-04	4.56E-01	9.10E-02	1.38E+00	9.38E-01	4.86E+01	4.56E+00	4.65E-01	5.46E+01
2238	495311.06	3859851.99	11.2497	4.54643	41.316	8.18252	8.57E-01	4.85E+01	4.57E+00	4.68E-01	5.44E+01	8.33E-01	2.05E-04	4.57E-01	9.16E-02	1.38E+00	9.34E-01	4.85E+01	4.57E+00	4.68E-01	5.45E+01
2239	495361.06	3859851.99	11.1867	4.53781	41.875	8.28334	8.53E-01	4.84E+01	4.63E+00	4.74E-01	5.44E+01	8.28E-01	2.05E-04	4.63E-01	9.27E-02	1.38E+00	9.29E-01	4.84E+01	4.63E+00	4.74E-01	5.45E+01
2240	495411.06	3859851.99	11.1185	4.52807	43.451	8.48515	8.47E-01	4.83E+01	4.80E+00	4.85E-01	5.45E+01	8.23E-01	2.04E-04	4.80E-01	9.50E-02	1.40E+00	9.23E-01	4.83E+01	4.80E+00	4.85E-01	5.45E+01
2241	495461.06	3859851.99	11.034	4.51809	44.824	8.66235	8.41E-01	4.82E+01	4.96E+00	4.95E-01	5.45E+01	8.17E-01	2.04E-04	4.96E-01	9.70E-02	1.41E+00	9.16E-01	4.82E+01	4.96E+00	4.95E-01	5.46E+01
2242	495511.06	3859851.99	11.0057	4.50752	46.752	8.88039	8.39E-01	4.81E+01	5.17E+00	5.08E-01	5.46E+01	8.15E-01	2.03E-04	5.17E-01	9.94E-02	1.43E+00	9.14E-01	4.81E+01	5.17E+00	5.08E-01	5.47E+01
2243	495561.06	3859851.99	11.0167	4.49879	46.074	8.87859	8.40E-01	4.80E+01	5.09E+00	5.08E-01	5.45E+01	8.16E-01	2.03E-04	5.09E-01	9.94E-02	1.42E+00	9.15E-01	4.80E+01	5.09E+00	5.08E-01	5.45E+01
2244	495611.06	3859851.99	11.0242	4.48936	45.662	8.90209	8.40E-01	4.79E+01	5.05E+00	5.09E-01	5.43E+01	8.16E-01	2.02E-04	5.05E-01	9.97E-02	1.42E+00	9.15E-01	4.79E+01	5.05E+00	5.09E-01	5.44E+01
2245	495661.06	3859851.99	11.0199	4.47828	47.199	9.08214	8.40E-01	4.78E+01	5.22E+00	5.19E-01	5.44E+01	8.16E-01	2.02E-04	5.22E-01	1.02E-01	1.44E+00	9.15E-01	4.78E+01	5.22E+00	5.19E-01	5.44E+01
2246	494311.06	3859901.99	12.7715	4.72065	35.389	5.5075	9.73E-01	5.04E+01	3.91E+00	3.15E-01	5.56E+01	9.46E-01	2.13E-04	3.91E-01	6.17E-02	1.40E+00	1.06E+00	5.04E+01	3.91E+00	3.15E-01	5.57E+01
2247	494361.06	3859901.99	12.847	4.7083	37.885	6.08922	9.79E-01	5.02E+01	4.19E+00	3.48E-01	5.58E+01	9.51E-01	2.12E-04	4.19E-01	6.82E-02	1.44E+00	1.07E+00	5.02E+01	4.19E+00	3.48E-01	5.58E+01
2248	494411.06	3859901.99	12.5978	4.70237	37.981	5.95967	9.60E-01	5.02E+01	4.20E+00	3.41E-01	5.57E+01	9.33E-01	2.12E-04	4.20E-01	6.67E-02	1.42E+00	1.05E+00	5.02E+01	4.20E+00	3.41E-01	5.58E+01
2249	494461.06	3859901.99	12.4293	4.69429	38.832	6.08907	9.47E-01	5.01E+01	4.29E+00	3.48E-01	5.57E+01	9.20E-01	2.12E-04	4.29E-01	6.82E-02	1.42E+00	1.03E+00	5.01E+01	4.29E+00	3.48E-01	5.58E+01
2250	494511.06	3859901.99	12.1711	4.68732	38.894	6.01439	9.28E-01	5.00E+01	4.30E+00	3.44E-01	5.56E+01	9.01E-01	2.11E-04	4.30E-01	6.73E-02	1.40E+00	1.01E+00	5.00E+01	4.30E+00	3.44E-01	5.57E+01
2251	494561.06	3859901.99	11.7221	4.72076	37.321	5.48098	8.93E-01	5.04E+01	4.13E+00	3.13E-01	5.57E+01	8.68E-01	2.13E-04	4.13E-01	6.14E-02	1.34E+00	9.73E-01	5.04E+01	4.13E+00	3.13E-01	5.58E+01
2252	494611.06	3859901.99	11.748	4.66923	40.178	6.30054	8.95E-01	4.98E+01	4.44E+00	3.60E-01	5.55E+01	8.70E-01	2.10E-04	4.44E-01	7.05E-02	1.38E+00	9.75E-01	4.98E+01	4.44E+00	3.60E-01	5.56E+01
2253	494661.06	3859901.99	11.4995	4.66375	38.777	5.88477	8.77E-01	4.98E+01	4.29E+00	3.37E-01	5.53E+01	8.51E-01	2.10E-04	4.29E-01	6.59E-02	1.35E+00	9.55E-01	4.98E+01	4.29E+00	3.37E-01	5.53E+01

2254	494711.06	3859901.99	11.5917	4.6492	41.375	6.68021	8.84E-01	4.96E+01	4.57E+00	3.82E-01	5.55E+01	8.58E-01	2.10E-04	4.57E-01	7.48E-02	1.39E+00	9.62E-01	4.96E+01	4.57E+00	3.82E-01	5.55E+01
2255	494761.06	3859901.99	11.3885	4.64181	40.399	6.45527	8.68E-01	4.95E+01	4.47E+00	3.69E-01	5.52E+01	8.43E-01	2.09E-04	4.47E-01	7.23E-02	1.36E+00	9.45E-01	4.95E+01	4.47E+00	3.69E-01	5.53E+01
2256	494811.06	3859901.99	11.2568	4.6342	39.325	6.22072	8.58E-01	4.95E+01	4.35E+00	3.56E-01	5.50E+01	8.33E-01	2.09E-04	4.35E-01	6.96E-02	1.34E+00	9.35E-01	4.95E+01	4.35E+00	3.56E-01	5.51E+01
2257	494861.06	3859901.99	11.2309	4.62465	38.885	6.20023	8.56E-01	4.94E+01	4.30E+00	3.55E-01	5.49E+01	8.31E-01	2.08E-04	4.30E-01	6.94E-02	1.33E+00	9.32E-01	4.94E+01	4.30E+00	3.55E-01	5.49E+01
2258	494911.06	3859901.99	11.264	4.61268	39.338	6.48472	8.59E-01	4.92E+01	4.35E+00	3.71E-01	5.48E+01	8.34E-01	2.08E-04	4.35E-01	7.26E-02	1.34E+00	9.35E-01	4.92E+01	4.35E+00	3.71E-01	5.49E+01
2259	494961.06	3859901.99	11.2194	4.60251	38.873	6.51201	8.55E-01	4.91E+01	4.30E+00	3.72E-01	5.46E+01	8.31E-01	2.07E-04	4.30E-01	7.29E-02	1.33E+00	9.31E-01	4.91E+01	4.30E+00	3.72E-01	5.47E+01
2260	495011.06	3859901.99	11.1979	4.59058	38.934	6.73332	8.54E-01	4.90E+01	4.30E+00	3.85E-01	5.45E+01	8.29E-01	2.07E-04	4.30E-01	7.54E-02	1.34E+00	9.30E-01	4.90E+01	4.30E+00	3.85E-01	5.46E+01
2261	495061.06	3859901.99	11.1427	4.5791	38.66	6.87618	8.49E-01	4.89E+01	4.27E+00	3.93E-01	5.44E+01	8.25E-01	2.06E-04	4.27E-01	7.70E-02	1.33E+00	9.25E-01	4.89E+01	4.27E+00	3.93E-01	5.45E+01
2262	495111.06	3859901.99	11.0976	4.5663	38.795	7.18046	8.46E-01	4.87E+01	4.29E+00	4.11E-01	5.43E+01	8.22E-01	2.06E-04	4.29E-01	8.04E-02	1.33E+00	9.21E-01	4.87E+01	4.29E+00	4.11E-01	5.44E+01
2263	495161.06	3859901.99	11.1339	4.55366	38.678	7.43131	8.49E-01	4.86E+01	4.28E+00	4.25E-01	5.41E+01	8.24E-01	2.05E-04	4.28E-01	8.32E-02	1.34E+00	9.24E-01	4.86E+01	4.28E+00	4.25E-01	5.42E+01
2264	495211.06	3859901.99	11.1444	4.54239	37.681	7.41426	8.49E-01	4.85E+01	4.17E+00	4.24E-01	5.39E+01	8.25E-01	2.05E-04	4.17E-01	8.30E-02	1.32E+00	9.25E-01	4.85E+01	4.17E+00	4.24E-01	5.40E+01
2265	495261.06	3859901.99	11.184	4.52862	37.708	7.76708	8.52E-01	4.83E+01	4.17E+00	4.44E-01	5.38E+01	8.28E-01	2.04E-04	4.17E-01	8.69E-02	1.33E+00	9.29E-01	4.83E+01	4.17E+00	4.44E-01	5.39E+01
2266	495311.06	3859901.99	11.1695	4.51724	36.589	7.7486	8.51E-01	4.82E+01	4.05E+00	4.43E-01	5.35E+01	8.27E-01	2.04E-04	4.05E-01	8.67E-02	1.32E+00	9.27E-01	4.82E+01	4.05E+00	4.43E-01	5.36E+01
2267	495361.06	3859901.99	11.1534	4.50412	37.416	7.92204	8.50E-01	4.81E+01	4.14E+00	4.53E-01	5.35E+01	8.26E-01	2.03E-04	4.14E-01	8.87E-02	1.33E+00	9.26E-01	4.81E+01	4.14E+00	4.53E-01	5.36E+01
2268	495411.06	3859901.99	11.1338	4.49032	39.342	8.17489	8.49E-01	4.79E+01	4.35E+00	4.67E-01	5.36E+01	8.24E-01	2.02E-04	4.35E-01	9.15E-02	1.35E+00	9.24E-01	4.79E+01	4.35E+00	4.67E-01	5.37E+01
2269	495461.06	3859901.99	11.092	4.47693	40.638	8.3513	8.45E-01	4.78E+01	4.49E+00	4.78E-01	5.36E+01	8.21E-01	2.02E-04	4.49E-01	9.35E-02	1.36E+00	9.21E-01	4.78E+01	4.49E+00	4.78E-01	5.37E+01
2270	495511.06	3859901.99	11.0277	4.46425	40.528	8.37741	8.41E-01	4.76E+01	4.48E+00	4.79E-01	5.34E+01	8.16E-01	2.01E-04	4.48E-01	9.38E-02	1.36E+00	9.16E-01	4.76E+01	4.48E+00	4.79E-01	5.35E+01
2271	495561.06	3859901.99	10.9472	4.45133	40.428	8.40951	8.34E-01	4.75E+01	4.47E+00	4.81E-01	5.33E+01	8.10E-01	2.01E-04	4.47E-01	9.41E-02	1.35E+00	9.09E-01	4.75E+01	4.47E+00	4.81E-01	5.34E+01
2272	495611.06	3859901.99	10.8705	4.43704	41.931	8.61393	8.29E-01	4.74E+01	4.64E+00	4.93E-01	5.33E+01	8.05E-01	2.00E-04	4.64E-01	9.64E-02	1.36E+00	9.02E-01	4.74E+01	4.64E+00	4.93E-01	5.34E+01
2273	495661.06	3859901.99	10.8482	4.42248	43.708	8.83811	8.27E-01	4.72E+01	4.83E+00	5.05E-01	5.34E+01	8.03E-01	1.99E-04	4.83E-01	9.89E-02	1.39E+00	9.01E-01	4.72E+01	4.83E+00	5.05E-01	5.34E+01
2274	494311.06	3859951.99	11.9788	4.89677	30.492	5.01908	9.13E-01	5.23E+01	3.37E+00	2.87E-01	5.68E+01	8.87E-01	2.21E-04	3.37E-01	5.62E-02	1.28E+00	9.94E-01	5.23E+01	3.37E+00	2.87E-01	5.69E+01
2275	494361.06	3859951.99	11.8585	4.79463	32.098	5.22272	9.04E-01	5.12E+01	3.55E+00	2.99E-01	5.59E+01	8.78E-01	2.16E-04	3.55E-01	5.85E-02	1.29E+00	9.85E-01	5.12E+01	3.55E+00	2.99E-01	5.60E+01
2276	494411.06	3859951.99	12.5061	4.71815	33.483	5.42856	9.53E-01	5.04E+01	3.70E+00	3.10E-01	5.53E+01	9.26E-01	2.13E-04	3.70E-01	6.08E-02	1.36E+00	1.04E+00	5.04E+01	3.70E+00	3.10E-01	5.54E+01
2277	494461.06	3859951.99	12.3991	4.68913	34.501	5.53754	9.45E-01	5.00E+01	3.81E+00	3.17E-01	5.51E+01	9.18E-01	2.11E-04	3.81E-01	6.20E-02	1.36E+00	1.03E+00	5.00E+01	3.81E+00	3.17E-01	5.52E+01
2278	494511.06	3859951.99	12.1704	4.71961	34.813	5.43511	9.28E-01	5.04E+01	3.85E+00	3.11E-01	5.55E+01	9.01E-01	2.13E-04	3.85E-01	6.08E-02	1.35E+00	1.01E+00	5.04E+01	3.85E+00	3.11E-01	5.55E+01
2279	494561.06	3859951.99	11.2353	4.96987	33.298	4.85998	8.56E-01	5.30E+01	3.68E+00	2.78E-01	5.79E+01	8.32E-01	2.24E-04	3.68E-01	5.44E-02	1.25E+00	9.33E-01	5.30E+01	3.68E+00	2.78E-01	5.79E+01
2280	494611.06	3859951.99	11.7654	4.72164	35.757	5.43376	8.97E-01	5.04E+01	3.95E+00	3.11E-01	5.55E+01	8.71E-01	2.13E-04	3.95E-01	6.08E-02	1.33E+00	9.77E-01	5.04E+01	3.95E+00	3.11E-01	5.56E+01
2281	494661.06	3859951.99	10.8432	4.85038	34.999	5.08919	8.26E-01	5.18E+01	3.87E+00	2.91E-01	5.67E+01	8.03E-01	2.19E-04	3.87E-01	5.70E-02	1.25E+00	9.00E-01	5.18E+01	3.87E+00	2.91E-01	5.68E+01
2282	494711.06	3859951.99	11.4038	4.63014	37.127	5.69097	8.69E-01	4.94E+01	4.10E+00	3.25E-01	5.47E+01	8.44E-01	2.09E-04	4.10E-01	6.37E-02	1.32E+00	9.47E-01	4.94E+01	4.10E+00	3.25E-01	5.48E+01
2283	494761.06	3859951.99	11.2335	4.65478	37.052	5.61778	8.56E-01	4.97E+01	4.10E+00	3.21E-01	5.49E+01	8.32E-01	2.10E-04	4.10E-01	6.29E-02	1.30E+00	9.33E-01	4.97E+01	4.10E+00	3.21E-01	5.50E+01
2284	494811.06	3859951.99	11.1284	4.64717	37.165	5.63524	8.48E-01	4.96E+01	4.11E+00	3.22E-01	5.49E+01	8.24E-01	2.09E-04	4.11E-01	6.31E-02	1.30E+00	9.24E-01	4.96E+01	4.11E+00	3.22E-01	5.49E+01
2285	494861.06	3859951.99	10.9265	4.70923	36.57	5.4499	8.33E-01	5.03E+01	4.04E+00	3.12E-01	5.54E+01	8.09E-01	2.12E-04	4.04E-01	6.10E-02	1.27E+00	9.07E-01	5.03E+01	4.04E+00	3.12E-01	5.55E+01
2286	494911.06	3859951.99	10.9224	4.60101	37.384	5.7558	8.33E-01	4.91E+01	4.13E+00	3.29E-01	5.44E+01	8.09E-01	2.07E-04	4.13E-01	6.44E-02	1.29E+00	9.07E-01	4.91E+01	4.13E+00	3.29E-01	5.45E+01
2287	494961.06	3859951.99	10.9883	4.55024	37.926	6.00289	8.38E-01	4.86E+01	4.19E+00	3.43E-01	5.39E+01	8.14E-01	2.05E-04	4.19E-01	6.72E-02	1.30E+00	9.12E-01	4.86E+01	4.19E+00	3.43E-01	5.40E+01
2288	495011.06	3859951.99	11.0138	4.53435	38.188	6.18874	8.39E-01	4.84E+01	4.22E+00	3.54E-01	5.38E+01	8.15E-01	2.04E-04	4.22E-01	6.93E-02	1.31E+00	9.14E-01	4.84E+01	4.22E+00	3.54E-01	5.39E+01
2289	495061.06	3859951.99	10.995	4.51908	38.035	6.26668	8.38E-01	4.82E+01	4.21E+00	3.58E-01	5.36E+01	8.14E-01	2.04E-04	4.21E-01	7.02E-02	1.30E+00	9.13E-01	4.82E+01	4.21E+00	3.58E-01	5.37E+01
2290	495111.06	3859951.99	11.0142	4.50191	38.485	6.57638	8.40E-01	4.80E+01	4.25E+00	3.76E-01	5.35E+01	8.15E-01	2.03E-04	4.25E-01	7.36E-02	1.31E+00	9.14E-01	4.80E+01	4.25E+00	3.76E-01	5.36E+01
2291	495161.06	3859951.99	11.0035	4.48491	38.764	6.86007	8.39E-01	4.79E+01	4.29E+00	3.92E-01	5.34E+01	8.15E-01	2.02E-04	4.29E-01	7.68E-02	1.32E+00	9.14E-01	4.79E+01	4.29E+00	3.92E-01	5.35E+01
2292	495211.06	3859951.99	10.9679	4.46804	38.907	7.12879	8.36E-01	4.77E+01	4.30E+00	4.08E-01	5.32E+01	8.12E-01	2.01E-04	4.30E-01	7.98E-02	1.32E+00	9.11E-01	4.77E+01	4.30E+00	4.08E-01	5.33E+01
2293	495261.06	3859951.99	10.9284	4.45158	38.605	7.2754	8.33E-01	4.75E+01	4.27E+00	4.16E-01	5.30E+01	8.09E-01	2.01E-04	4.27E-01	8.14E-02	1.32E+00	9.07E-01	4.75E+01	4.27E+00	4.16E-01	5.31E+01
2294	495311.06	3859951.99	10.9419	4.43642	37.6	7.20134	8.34E-01	4.73E+01	4.16E+00	4.12E-01	5.27E+01	8.10E-01	2.00E-04	4.16E-01	8.06E-02	1.31E+00	9.08E-01	4.73E+01	4.16E+00	4.12E-01	5.28E+01
2295	495361.06	3859951.99	10.9634	4.42018	37.009	7.29346	8.36E-01	4.72E+01	4.09E+00	4.17E-01	5.25E+01	8.12E-01	1.99E-04	4.09E-01	8.16E-02	1.30E+00	9.10E-01	4.72E+01	4.09E+00	4.17E-01	5.26E+01
2296	495411.06	3859951.99	10.9971	4.40271	36.835	7.56311	8.38E-01	4.70E+01	4.07E+00	4.32E-01	5.23E+01	8.14E-01	1.98E-04	4.07E-01	8.47E-02	1.31E+00	9.13E-01	4.70E+01	4.07E+00	4.32E-01	5.24E+01
2297	495461.06	3859951.99	11.0028	4.3855	36.391	7.75978	8.39E-01	4.68E+01	4.02E+00	4.44E-01	5.21E+01	8.15E-01	1.98E-04	4.02E-01	8.69E-02	1.30E+00	9.13E-01	4.68E+01	4.02E+00	4.44E-01	5.22E+01
2298	495511.06	3859951.99	10.993	4.36809	35.91	7.96641	8.38E-01	4.66E+01	3.97E+00	4.56E-01	5.19E+01	8.14E-01	1.97E-04	3.97E-01	8.92E-02	1.30E+00	9.13E-01	4.66E+01	3.97E+00	4.56E-01	5.20E+01
2299	495561.06	3859951.99	10.9334	4.35263	34.792	7.84785	8.33E-01	4.64E+01	3.85E+00	4.49E-01	5.16E+01	8.09E-01	1.96E-04	3.85E-01	8.79E-02	1.28E+00	9.08E-01	4.65E+01	3.85E+00	4.49E-01	5.17E+01
2300	495611.06	3859951.99	10.907	4.33486	36.444	8.09032	8.31E-01	4.63E+01	4.03E+00	4.63E-01	5.16E+01	8.07E-01	1.95E-04	4.03E-01	9.06E-02	1.30E+00	9.06E-01	4.63E+01	4.03E+00	4.63E-01	5.17E+01
2301	495661.06	3859951.99	10.8614	4.31651	38.879	8.41886	8.28E-01	4.61E+01	4.30E+00	4.81E-01	5.17E+01	8.04E-01	1.95E-04	4.30E-01	9.42E-02	1.33E+00	9.02E-01	4.61E+01	4.30E+00	4.81E-01	5.17E+01
2302	494311.06	3860001.99	12.0009	5.14282	28.383	4.54925	9.15E-01	5.49E+01	3.14E+00	2.60E-01	5.92E+01	8.88E-01	2.32E-04	3.14E-01	5.09E-02	1.25E+00	9.96E-01	5.49E+01	3.14E+00	2.60E-01	5.93E+01
2303	494361.06	3860001.99	11.9247	5.06842	27.767	4.63221	9.09E-01	5.41E+01	3.07E+00	2.65E-01	5.83E+01	8.83E-01	2.28E-04	3.07E-01	5.19E-02	1.24E+00	9.90E-01	5.41E+01	3.07E+00	2.65E-01	5.84E+01
2304	494411.06	3860001.99	11.8306	4.91508	28.885	4.94582	9.02E-01	5.25E+01	3.19E+00	2.83E-01	5.68E+01	8.76E-01	2.22E-04	3.19E-01	5.54E-02	1.25E+00	9.82E-01	5.25E+01	3.19E+00	2.83E-01	5.69E+01
2305	494461.06	3860001.99	11.7199	4.88407	29.631	4.90058	8.93E-01	5.21E+01	3.28E+00	2.80E-01	5.66E+01	8.68E-01	2.20E-04	3.28E-01	5.49E-02	1.25E+00	9.73E-01	5.21E+01	3.28E+00	2.80E-01	5.67E+01
2306	494511.06	3860001.99	11.5937	4.78139	31.034	5.10408	8.84E-01	5.10E+01	3.43E+00	2.92E-01	5.56E+01	8.58E-01	2.16E-04	3.43E-01	5.71E-02	1.26E+00	9.63E-01	5.10E+01	3.43E+00	2.92E-01	5.57E+01
2307	494561.06	3860001.99	11.4544	5.09047	29.289	4.3411	8.73E-01	5.43E+01	3.24E+00	2.48E-01	5.87E+01	8.48E-01	2.29E-04	3.24E-01	4.86E-02	1.22E+00	9.51E-01	5.43E+01	3.24E+00	2.48E-01	5.88E+01
2308	494611.06	3860001.99	11.2992	4.98901	30.697	4.56533	8.61E-01	5.32E+01	3.39E+00	2.61E-01	5.78E+01	8.37E-01	2.25E-04	3.39E-01	5.11E-02	1.23E+00	9.38E-01	5.32E+01	3.39E+00	2.61E-01	5.78E+01
2309	494661.06	3860001.99	11.128	5.00145	31.2	4.54399	8.48E-01	5.34E+01	3.45E+00	2.60E-01	5.79E+01	8.24E-01	2.25E-04	3.45E-01	5.09E-02	1.22E+00	9.24E-01	5.34E+01	3.45E+00	2.60E-01	5.80E+01
2310	494711.06	3860001.99	11.5877	4.65973	34.483	5.41927	8.83E-01	4.97E+01	3.81E+00	3.10E-01	5.47E+01	8.58E-01	2.10E-04	3.81E-01	6.07E-02	1.30E+00	9.62E-01	4.97E+01	3.81E+00	3.10E-01	5.48E+01
2311	494761.06	3860001.99	10.7516	4.84126	33.451	4.89774	8.19E-01	5.17E+01	3.70E+00	2.80E-01	5.65E+01	7.96E-01	2.18E-04	3.70E-01	5.48E-02	1.22E+00	8.93E-01	5.17E+01	3.70E+00	2.80E-01	5.65E+01
2312	494811.06	3860001.99	10.5494	4.8728	33.557	4.8319	8.04E-01	5.20E+01	3.71E+00	2.76E-01	5.68E+01	7.81E-01	2.20E-04	3.71E-01	5.41E-02	1.21E+00	8.76E-01	5.20E+01	3.71E+00	2.76E-01	5.69E+01
2313	494861.06	3860001.99	10.3895	4.93126	33.349	4.7053	7.92E-01	5.26E+01	3.69E+00	2.69E-01	5.74E+01	7.69E-01	2.22E-04	3.69E-01	5.27E-02	1.19E+00	8.63E-01	5.26E+01	3.69E+00	2.69E-01	5.74E+01
2314	494911.06	3860001.99	10.9368	4.61709	36.164	5.56142	8.34E-01	4.93E+01	4.00E+00	3.18E-01	5.44E+01	8.10E-01	2.08E-04	4.00E-01	6.23E-02	1.27E+00	9.08E-01	4.93E+01	4.00E+00	3.18E-01	5.45E+01

2315	494961.06	3860001.99	10.7798	4.66005	35.958	5.45453	8.22E-01	4.97E+01	3.98E+00	3.12E-01	5.48E+01	7.98E-01	2.10E-04	3.98E-01	6.11E-02	1.26E+00	8.95E-01	4.97E+01	3.98E+00	3.12E-01	5.49E+01
2316	495011.06	3860001.99	10.7405	4.57765	36.71	5.71123	8.19E-01	4.89E+01	4.06E+00	3.27E-01	5.41E+01	7.95E-01	2.06E-04	4.06E-01	6.39E-02	1.27E+00	8.92E-01	4.89E+01	4.06E+00	3.27E-01	5.41E+01
2317	495061.06	3860001.99	10.6591	4.62152	36.256	5.57592	8.12E-01	4.93E+01	4.01E+00	3.19E-01	5.45E+01	7.89E-01	2.08E-04	4.01E-01	6.24E-02	1.25E+00	8.85E-01	4.93E+01	4.01E+00	3.19E-01	5.45E+01
2318	495111.06	3860001.99	10.7448	4.52573	36.953	5.87423	8.19E-01	4.83E+01	4.09E+00	3.36E-01	5.35E+01	7.95E-01	2.04E-04	4.09E-01	6.58E-02	1.27E+00	8.92E-01	4.83E+01	4.09E+00	3.36E-01	5.36E+01
2319	495161.06	3860001.99	10.8005	4.4314	37.557	6.17118	8.23E-01	4.73E+01	4.15E+00	3.53E-01	5.26E+01	8.00E-01	2.00E-04	4.15E-01	6.91E-02	1.28E+00	8.97E-01	4.73E+01	4.15E+00	3.53E-01	5.27E+01
2320	495211.06	3860001.99	10.7252	4.45998	36.976	6.07834	8.17E-01	4.76E+01	4.09E+00	3.48E-01	5.28E+01	7.94E-01	2.01E-04	4.09E-01	6.80E-02	1.27E+00	8.90E-01	4.76E+01	4.09E+00	3.48E-01	5.29E+01
2321	495261.06	3860001.99	10.7352	4.38028	37.274	6.32884	8.18E-01	4.67E+01	4.12E+00	3.62E-01	5.20E+01	7.95E-01	1.97E-04	4.12E-01	7.08E-02	1.28E+00	8.91E-01	4.67E+01	4.12E+00	3.62E-01	5.21E+01
2322	495311.06	3860001.99	10.68	4.3517	37.037	6.41556	8.14E-01	4.64E+01	4.09E+00	3.67E-01	5.17E+01	7.91E-01	1.96E-04	4.09E-01	7.18E-02	1.27E+00	8.87E-01	4.64E+01	4.09E+00	3.67E-01	5.18E+01
2323	495361.06	3860001.99	10.7192	4.27734	38.002	6.97264	8.17E-01	4.56E+01	4.20E+00	3.99E-01	5.11E+01	7.94E-01	1.93E-04	4.20E-01	7.81E-02	1.29E+00	8.90E-01	4.56E+01	4.20E+00	3.99E-01	5.11E+01
2324	495411.06	3860001.99	10.6912	4.25926	36.869	6.7886	8.15E-01	4.55E+01	4.08E+00	3.88E-01	5.07E+01	7.92E-01	1.92E-04	4.08E-01	7.60E-02	1.28E+00	8.88E-01	4.55E+01	4.08E+00	3.88E-01	5.08E+01
2325	495461.06	3860001.99	10.7446	4.23908	36.652	6.96916	8.19E-01	4.52E+01	4.05E+00	3.99E-01	5.05E+01	7.95E-01	1.91E-04	4.05E-01	7.80E-02	1.28E+00	8.92E-01	4.52E+01	4.05E+00	3.99E-01	5.06E+01
2326	495511.06	3860001.99	10.7762	4.21884	36.304	7.12728	8.21E-01	4.50E+01	4.01E+00	4.08E-01	5.03E+01	7.98E-01	1.90E-04	4.01E-01	7.98E-02	1.28E+00	8.95E-01	4.50E+01	4.01E+00	4.08E-01	5.03E+01
2327	495561.06	3860001.99	10.7616	4.1997	35.39	7.08567	8.20E-01	4.48E+01	3.91E+00	4.05E-01	5.00E+01	7.97E-01	1.89E-04	3.91E-01	7.93E-02	1.27E+00	8.93E-01	4.48E+01	3.91E+00	4.05E-01	5.00E+01
2328	495611.06	3860001.99	10.7929	4.17857	35.344	7.41706	8.23E-01	4.46E+01	3.91E+00	4.24E-01	4.97E+01	7.99E-01	1.88E-04	3.91E-01	8.30E-02	1.27E+00	8.96E-01	4.46E+01	3.91E+00	4.24E-01	4.98E+01
2329	495661.06	3860001.99	10.7963	4.15756	35.14	7.71287	8.23E-01	4.44E+01	3.89E+00	4.41E-01	4.95E+01	7.99E-01	1.87E-04	3.89E-01	8.63E-02	1.27E+00	8.96E-01	4.44E+01	3.89E+00	4.41E-01	4.96E+01
2330	494411.06	3860051.99	11.8385	5.28956	28.651	4.26271	9.02E-01	5.64E+01	3.17E+00	2.44E-01	6.08E+01	8.76E-01	2.38E-04	3.17E-01	4.77E-02	1.24E+00	9.83E-01	5.64E+01	3.17E+00	2.44E-01	6.08E+01
2331	494461.06	3860051.99	11.7692	5.21603	28.088	4.36014	8.97E-01	5.57E+01	3.11E+00	2.49E-01	5.99E+01	8.71E-01	2.35E-04	3.11E-01	4.88E-02	1.23E+00	9.77E-01	5.57E+01	3.11E+00	2.49E-01	6.00E+01
2332	494511.06	3860051.99	11.684	5.15525	27.492	4.41805	8.91E-01	5.50E+01	3.04E+00	2.53E-01	5.92E+01	8.65E-01	2.32E-04	3.04E-01	4.95E-02	1.22E+00	9.70E-01	5.50E+01	3.04E+00	2.53E-01	5.93E+01
2333	494561.06	3860051.99	11.5818	5.23095	26.906	4.20171	8.83E-01	5.58E+01	2.97E+00	2.40E-01	5.99E+01	8.57E-01	2.36E-04	2.97E-01	4.70E-02	1.20E+00	9.62E-01	5.58E+01	2.97E+00	2.40E-01	6.00E+01
2334	494611.06	3860051.99	11.4638	5.21812	26.481	4.19565	8.74E-01	5.57E+01	2.93E+00	2.40E-01	5.97E+01	8.49E-01	2.35E-04	2.93E-01	4.70E-02	1.19E+00	9.52E-01	5.57E+01	2.93E+00	2.40E-01	5.98E+01
2335	494661.06	3860051.99	11.3294	5.17934	27.135	4.18829	8.64E-01	5.53E+01	3.00E+00	2.40E-01	5.94E+01	8.39E-01	2.33E-04	3.00E-01	4.69E-02	1.19E+00	9.41E-01	5.53E+01	3.00E+00	2.40E-01	5.95E+01
2336	494711.06	3860051.99	11.1806	5.01251	29.032	4.31289	8.52E-01	5.35E+01	3.21E+00	2.47E-01	5.78E+01	8.28E-01	2.26E-04	3.21E-01	4.83E-02	1.20E+00	9.28E-01	5.35E+01	3.21E+00	2.47E-01	5.79E+01
2337	494761.06	3860051.99	11.0192	4.98274	29.485	4.2574	8.40E-01	5.32E+01	3.26E+00	2.43E-01	5.75E+01	8.16E-01	2.25E-04	3.26E-01	4.77E-02	1.19E+00	9.15E-01	5.32E+01	3.26E+00	2.43E-01	5.76E+01
2338	494811.06	3860051.99	10.846	5.04659	29.32	4.16305	8.27E-01	5.39E+01	3.24E+00	2.38E-01	5.82E+01	8.03E-01	2.27E-04	3.24E-01	4.66E-02	1.17E+00	9.00E-01	5.39E+01	3.24E+00	2.38E-01	5.82E+01
2339	494861.06	3860051.99	10.6619	5.1266	29.267	4.15766	8.13E-01	5.47E+01	3.24E+00	2.38E-01	5.90E+01	7.89E-01	2.31E-04	3.24E-01	4.65E-02	1.16E+00	8.85E-01	5.47E+01	3.24E+00	2.38E-01	5.91E+01
2340	494911.06	3860051.99	10.4635	5.01354	30.561	4.14578	7.98E-01	5.35E+01	3.38E+00	2.37E-01	5.79E+01	7.75E-01	2.26E-04	3.38E-01	4.64E-02	1.16E+00	8.69E-01	5.35E+01	3.38E+00	2.37E-01	5.80E+01
2341	494961.06	3860051.99	10.2773	4.88383	31.981	4.4448	7.83E-01	5.21E+01	3.54E+00	2.54E-01	5.67E+01	7.61E-01	2.20E-04	3.54E-01	4.98E-02	1.16E+00	8.53E-01	5.21E+01	3.54E+00	2.54E-01	5.68E+01
2342	495011.06	3860051.99	10.1852	4.79025	33.083	4.71748	7.76E-01	5.11E+01	3.66E+00	2.70E-01	5.58E+01	7.54E-01	2.16E-04	3.66E-01	5.28E-02	1.17E+00	8.46E-01	5.11E+01	3.66E+00	2.70E-01	5.59E+01
2343	495061.06	3860051.99	10.0774	4.74412	33.729	4.88116	7.68E-01	5.06E+01	3.73E+00	2.79E-01	5.54E+01	7.46E-01	2.14E-04	3.73E-01	5.46E-02	1.17E+00	8.37E-01	5.06E+01	3.73E+00	2.79E-01	5.55E+01
2344	495111.06	3860051.99	9.9585	4.62415	34.939	5.2847	7.59E-01	4.93E+01	3.86E+00	3.02E-01	5.43E+01	7.37E-01	2.08E-04	3.86E-01	5.92E-02	1.18E+00	8.27E-01	4.93E+01	3.86E+00	3.02E-01	5.43E+01
2345	495161.06	3860051.99	10.4213	4.58157	35.408	5.43815	7.94E-01	4.89E+01	3.91E+00	3.11E-01	5.39E+01	7.72E-01	2.07E-04	3.91E-01	6.09E-02	1.22E+00	8.65E-01	4.89E+01	3.91E+00	3.11E-01	5.40E+01
2346	495211.06	3860051.99	10.5073	4.50581	36.09	5.70072	8.01E-01	4.81E+01	3.99E+00	3.26E-01	5.32E+01	7.78E-01	2.03E-04	3.99E-01	6.38E-02	1.24E+00	8.72E-01	4.81E+01	3.99E+00	3.26E-01	5.33E+01
2347	495261.06	3860051.99	10.4968	4.49875	36.078	5.73498	8.00E-01	4.80E+01	3.99E+00	3.28E-01	5.31E+01	7.77E-01	2.03E-04	3.99E-01	6.42E-02	1.24E+00	8.71E-01	4.80E+01	3.99E+00	3.28E-01	5.32E+01
2348	495311.06	3860051.99	10.4439	4.51355	35.791	5.69429	7.96E-01	4.82E+01	3.96E+00	3.26E-01	5.32E+01	7.73E-01	2.03E-04	3.96E-01	6.37E-02	1.23E+00	8.67E-01	4.82E+01	3.96E+00	3.26E-01	5.33E+01
2349	495361.06	3860051.99	10.4187	4.49201	35.748	5.77408	7.94E-01	4.79E+01	3.95E+00	3.30E-01	5.30E+01	7.71E-01	2.02E-04	3.95E-01	6.46E-02	1.23E+00	8.65E-01	4.79E+01	3.95E+00	3.30E-01	5.31E+01
2350	495411.06	3860051.99	10.4002	4.45165	35.791	5.91629	7.93E-01	4.75E+01	3.96E+00	3.38E-01	5.26E+01	7.70E-01	2.01E-04	3.96E-01	6.62E-02	1.23E+00	8.63E-01	4.75E+01	3.96E+00	3.38E-01	5.27E+01
2351	495461.06	3860051.99	10.3885	4.38623	35.971	6.14265	7.92E-01	4.68E+01	3.98E+00	3.51E-01	5.19E+01	7.69E-01	1.98E-04	3.98E-01	6.88E-02	1.24E+00	8.62E-01	4.68E+01	3.98E+00	3.51E-01	5.20E+01
2352	495511.06	3860051.99	10.3695	4.37853	35.575	6.17164	7.90E-01	4.67E+01	3.93E+00	3.53E-01	5.18E+01	7.68E-01	1.97E-04	3.93E-01	6.91E-02	1.23E+00	8.61E-01	4.67E+01	3.93E+00	3.53E-01	5.19E+01
2353	495561.06	3860051.99	10.4336	4.3351	35.415	6.32221	7.95E-01	4.63E+01	3.92E+00	3.62E-01	5.13E+01	7.72E-01	1.95E-04	3.92E-01	7.08E-02	1.23E+00	8.66E-01	4.63E+01	3.92E+00	3.62E-01	5.14E+01
2354	495611.06	3860051.99	10.5064	4.26345	35.418	6.56946	8.01E-01	4.55E+01	3.92E+00	3.76E-01	5.06E+01	7.78E-01	1.92E-04	3.92E-01	7.35E-02	1.24E+00	8.72E-01	4.55E+01	3.92E+00	3.76E-01	5.07E+01
2355	495661.06	3860051.99	10.5928	4.1415	35.762	6.98926	8.07E-01	4.42E+01	3.95E+00	4.00E-01	4.94E+01	7.84E-01	1.87E-04	3.95E-01	7.82E-02	1.26E+00	8.79E-01	4.42E+01	3.95E+00	4.00E-01	4.94E+01
2356	494411.06	3860101.99	11.7449	5.45735	29.744	4.19453	8.95E-01	5.82E+01	3.29E+00	2.40E-01	6.27E+01	8.70E-01	2.46E-04	3.29E-01	4.70E-02	1.25E+00	9.75E-01	5.82E+01	3.29E+00	2.40E-01	6.27E+01
2357	494461.06	3860101.99	11.7196	5.52486	29.337	4.19273	8.93E-01	5.90E+01	3.24E+00	2.40E-01	6.33E+01	8.68E-01	2.49E-04	3.24E-01	4.69E-02	1.24E+00	9.73E-01	5.90E+01	3.24E+00	2.40E-01	6.34E+01
2358	494511.06	3860101.99	11.678	5.39582	28.853	4.18112	8.90E-01	5.76E+01	3.19E+00	2.39E-01	6.19E+01	8.65E-01	2.43E-04	3.19E-01	4.68E-02	1.23E+00	9.70E-01	5.76E+01	3.19E+00	2.39E-01	6.20E+01
2359	494561.06	3860101.99	11.6165	5.40681	28.36	4.17647	8.85E-01	5.77E+01	3.14E+00	2.39E-01	6.20E+01	8.60E-01	2.44E-04	3.14E-01	4.68E-02	1.22E+00	9.64E-01	5.77E+01	3.14E+00	2.39E-01	6.20E+01
2360	494611.06	3860101.99	11.5352	5.47903	27.866	4.17506	8.79E-01	5.85E+01	3.08E+00	2.39E-01	6.27E+01	8.54E-01	2.47E-04	3.08E-01	4.67E-02	1.21E+00	9.58E-01	5.85E+01	3.08E+00	2.39E-01	6.27E+01
2361	494661.06	3860101.99	11.4392	5.46583	27.318	4.16934	8.72E-01	5.83E+01	3.02E+00	2.38E-01	6.25E+01	8.47E-01	2.46E-04	3.02E-01	4.67E-02	1.20E+00	9.50E-01	5.83E+01	3.02E+00	2.38E-01	6.25E+01
2362	494711.06	3860101.99	11.331	5.33731	26.684	4.15752	8.64E-01	5.70E+01	2.95E+00	2.38E-01	6.10E+01	8.39E-01	2.41E-04	2.95E-01	4.65E-02	1.18E+00	9.41E-01	5.70E+01	2.95E+00	2.38E-01	6.11E+01
2363	494761.06	3860101.99	11.2051	5.30864	26.076	4.15095	8.54E-01	5.67E+01	2.88E+00	2.37E-01	6.06E+01	8.30E-01	2.39E-04	2.88E-01	4.65E-02	1.16E+00	9.30E-01	5.67E+01	2.88E+00	2.37E-01	6.07E+01
2364	494811.06	3860101.99	11.0625	5.28623	26.137	4.14474	8.43E-01	5.64E+01	2.89E+00	2.37E-01	6.04E+01	8.19E-01	2.38E-04	2.89E-01	4.64E-02	1.15E+00	9.18E-01	5.64E+01	2.89E+00	2.37E-01	6.05E+01
2365	494861.06	3860101.99	10.9018	5.39565	26.438	4.14699	8.31E-01	5.76E+01	2.92E+00	2.37E-01	6.16E+01	8.07E-01	2.43E-04	2.92E-01	4.64E-02	1.15E+00	9.05E-01	5.76E+01	2.92E+00	2.37E-01	6.16E+01
2366	494911.06	3860101.99	10.7437	5.11819	28.178	4.12596	8.19E-01	5.46E+01	3.12E+00	2.36E-01	5.88E+01	7.95E-01	2.31E-04	3.12E-01	4.62E-02	1.15E+00	8.92E-01	5.46E+01	3.12E+00	2.36E-01	5.89E+01
2367	494961.06	3860101.99	10.5695	5.06933	28.772	4.1184	8.06E-01	5.41E+01	3.18E+00	2.36E-01	5.83E+01	7.82E-01	2.29E-04	3.18E-01	4.61E-02	1.15E+00	8.77E-01	5.41E+01	3.18E+00	2.36E-01	5.84E+01
2368	495011.06	3860101.99	10.377	4.96534	29.91	4.10808	7.91E-01	5.30E+01	3.31E+00	2.35E-01	5.73E+01	7.68E-01	2.24E-04	3.31E-01	4.60E-02	1.15E+00	8.62E-01	5.30E+01	3.31E+00	2.35E-01	5.74E+01
2369	495061.06	3860101.99	10.181	4.87082	30.909	4.28178	7.76E-01	5.20E+01	3.42E+00	2.45E-01	5.64E+01	7.54E-01	2.20E-04	3.42E-01	4.79E-02	1.14E+00	8.45E-01	5.20E+01	3.42E+00	2.45E-01	5.65E+01
2370	495111.06	3860101.99	10.08	4.73835	32.317	4.70551	7.68E-01	5.06E+01	3.57E+00	2.69E-01	5.52E+01	7.46E-01	2.14E-04	3.57E-01	5.27E-02	1.16E+00	8.37E-01	5.06E+01	3.57E+00	2.69E-01	5.52E+01
2371	495161.06	3860101.99	9.98053	4.6977	32.572	4.68239	7.61E-01	5.01E+01	3.60E+00	2.68E-01	5.48E+01	7.39E-01	2.12E-04	3.60E-01	5.24E-02	1.15E+00	8.29E-01	5.01E+01	3.60E+00	2.68E-01	5.48E+01
2372	495211.06	3860101.99	9.87094	4.62345	33.161	4.82319	7.52E-01	4.93E+01	3.67E+00	2.76E-01	5.40E+01	7.31E-01	2.08E-04	3.67E-01	5.40E-02	1.15E+00	8.19E-01	4.93E+01	3.67E+00	2.76E-01	5.41E+01
2373	495261.06	3860101.99	9.75934	4.58269	33.722	4.9813	7.44E-01	4.89E+01	3.73E+00	2.85E-01	5.37E+01	7.23E-01	2.07E-04	3.73E-01	5.58E-02	1.15E+00	8.10E-01	4.89E+01	3.73E+00	2.85E-01	5.37E+01
2374	495311.06	3860101.99	9.74623	4.56936	34.004	5.05661	7.43E-01	4.88E+01	3.76E+00	2.89E-01	5.36E+01	7.22E-01	2.06E-04	3.76E-01	5.66E-02	1.15E+00	8.09E-01	4.88E+01	3.76E+00	2.89E-01	5.36E+01
2375	495361.06	3860101.99	9.72475	4.59584	33.854	4.98831	7.41E-01	4.90E+01	3.74E+00	2.85E-01	5.38E+01	7.20E-01	2.07E-04	3.74E-01	5.58E-02	1.15E+00	8.07E-01	4.90E+01	3.74E+00	2.85E-01	5.39E+01

2376	495411.06	3860101.99	9.68658	4.55241	34.238	5.1633	7.38E-01	4.86E+01	3.79E+00	2.95E-01	5.34E+01	7.17E-01	2.05E-04	3.79E-01	5.78E-02	1.15E+00	8.04E-01	4.86E+01	3.79E+00	2.95E-01	5.35E+01
2377	495461.06	3860101.99	10.21	4.43683	35.185	5.59488	7.78E-01	4.73E+01	3.89E+00	3.20E-01	5.23E+01	7.56E-01	2.00E-04	3.89E-01	6.26E-02	1.21E+00	8.48E-01	4.73E+01	3.89E+00	3.20E-01	5.24E+01
2378	495511.06	3860101.99	10.1265	4.46284	34.805	5.52251	7.72E-01	4.76E+01	3.85E+00	3.16E-01	5.26E+01	7.50E-01	2.01E-04	3.85E-01	6.18E-02	1.20E+00	8.41E-01	4.76E+01	3.85E+00	3.16E-01	5.26E+01
2379	495561.06	3860101.99	10.0349	4.48334	34.405	5.46732	7.65E-01	4.78E+01	3.80E+00	3.13E-01	5.27E+01	7.43E-01	2.02E-04	3.80E-01	6.12E-02	1.18E+00	8.33E-01	4.78E+01	3.80E+00	3.13E-01	5.28E+01
2380	495611.06	3860101.99	10.1136	4.36449	35.143	5.91204	7.71E-01	4.66E+01	3.89E+00	3.38E-01	5.16E+01	7.49E-01	1.97E-04	3.89E-01	6.62E-02	1.20E+00	8.40E-01	4.66E+01	3.89E+00	3.38E-01	5.16E+01
2381	495661.06	3860101.99	10.1873	4.33154	35.058	6.0472	7.76E-01	4.62E+01	3.88E+00	3.46E-01	5.12E+01	7.54E-01	1.95E-04	3.88E-01	6.77E-02	1.21E+00	8.46E-01	4.62E+01	3.88E+00	3.46E-01	5.13E+01
2382	494861.06	3860151.99	11.0483	5.70702	26.782	4.1205	8.42E-01	6.09E+01	2.96E+00	2.36E-01	6.49E+01	8.18E-01	2.57E-04	2.96E-01	4.61E-02	1.16E+00	9.17E-01	6.09E+01	2.96E+00	2.36E-01	6.50E+01
2383	494911.06	3860151.99	10.9412	5.44106	25.925	4.0978	8.34E-01	5.81E+01	2.87E+00	2.34E-01	6.20E+01	8.10E-01	2.45E-04	2.87E-01	4.59E-02	1.14E+00	9.08E-01	5.81E+01	2.87E+00	2.34E-01	6.21E+01
2384	494961.06	3860151.99	10.7986	5.36142	25.676	4.08886	8.23E-01	5.72E+01	2.84E+00	2.34E-01	6.11E+01	7.99E-01	2.42E-04	2.84E-01	4.58E-02	1.13E+00	8.97E-01	5.72E+01	2.84E+00	2.34E-01	6.12E+01
2385	495011.06	3860151.99	10.6405	5.2671	26.473	4.07924	8.11E-01	5.62E+01	2.93E+00	2.33E-01	6.02E+01	7.88E-01	2.37E-04	2.93E-01	4.57E-02	1.13E+00	8.83E-01	5.62E+01	2.93E+00	2.33E-01	6.03E+01
2386	495061.06	3860151.99	10.4731	5.17305	27.594	4.06975	7.98E-01	5.52E+01	3.05E+00	2.33E-01	5.93E+01	7.75E-01	2.33E-04	3.05E-01	4.56E-02	1.13E+00	8.69E-01	5.52E+01	3.05E+00	2.33E-01	5.94E+01
2387	495111.06	3860151.99	10.2915	5.10366	28.439	4.06157	7.84E-01	5.45E+01	3.14E+00	2.32E-01	5.86E+01	7.62E-01	2.30E-04	3.14E-01	4.55E-02	1.12E+00	8.54E-01	5.45E+01	3.14E+00	2.32E-01	5.87E+01
2388	495161.06	3860151.99	10.1003	5.04447	29.128	4.05392	7.70E-01	5.38E+01	3.22E+00	2.32E-01	5.81E+01	7.48E-01	2.27E-04	3.22E-01	4.54E-02	1.12E+00	8.39E-01	5.38E+01	3.22E+00	2.32E-01	5.81E+01
2389	495211.06	3860151.99	9.97578	4.967	29.961	4.0454	7.60E-01	5.30E+01	3.31E+00	2.31E-01	5.73E+01	7.39E-01	2.24E-04	3.31E-01	4.53E-02	1.12E+00	8.28E-01	5.30E+01	3.31E+00	2.31E-01	5.74E+01
2390	495261.06	3860151.99	9.88593	4.91238	30.481	4.06881	7.54E-01	5.24E+01	3.37E+00	2.33E-01	5.68E+01	7.32E-01	2.21E-04	3.37E-01	4.55E-02	1.11E+00	8.21E-01	5.24E+01	3.37E+00	2.33E-01	5.68E+01
2391	495311.06	3860151.99	9.78137	4.8534	30.988	4.15081	7.46E-01	5.18E+01	3.43E+00	2.37E-01	5.62E+01	7.24E-01	2.19E-04	3.43E-01	4.65E-02	1.11E+00	8.12E-01	5.18E+01	3.43E+00	2.37E-01	5.63E+01
2392	495361.06	3860151.99	9.66761	4.80068	31.35	4.19686	7.37E-01	5.12E+01	3.47E+00	2.40E-01	5.57E+01	7.16E-01	2.16E-04	3.47E-01	4.70E-02	1.11E+00	8.03E-01	5.12E+01	3.47E+00	2.40E-01	5.57E+01
2393	495411.06	3860151.99	9.61918	4.72961	31.868	4.33871	7.33E-01	5.05E+01	3.52E+00	2.48E-01	5.50E+01	7.12E-01	2.13E-04	3.52E-01	4.86E-02	1.11E+00	7.99E-01	5.05E+01	3.52E+00	2.48E-01	5.50E+01
2394	495461.06	3860151.99	9.60331	4.66256	32.274	4.45999	7.32E-01	4.98E+01	3.57E+00	2.55E-01	5.43E+01	7.11E-01	2.10E-04	3.57E-01	4.99E-02	1.12E+00	7.97E-01	4.98E+01	3.57E+00	2.55E-01	5.44E+01
2395	495511.06	3860151.99	9.5736	4.57234	32.903	4.70505	7.30E-01	4.88E+01	3.64E+00	2.69E-01	5.34E+01	7.09E-01	2.06E-04	3.64E-01	5.27E-02	1.13E+00	7.95E-01	4.88E+01	3.64E+00	2.69E-01	5.35E+01
2396	495561.06	3860151.99	9.53281	4.51863	33.001	4.75247	7.27E-01	4.82E+01	3.65E+00	2.72E-01	5.29E+01	7.06E-01	2.04E-04	3.65E-01	5.32E-02	1.12E+00	7.91E-01	4.82E+01	3.65E+00	2.72E-01	5.29E+01
2397	495611.06	3860151.99	9.48063	4.45814	33.461	4.98383	7.23E-01	4.76E+01	3.70E+00	2.85E-01	5.23E+01	7.02E-01	2.01E-04	3.70E-01	5.58E-02	1.13E+00	7.87E-01	4.76E+01	3.70E+00	2.85E-01	5.23E+01
2398	495661.06	3860151.99	9.41535	4.38982	34.002	5.27983	7.18E-01	4.68E+01	3.76E+00	3.02E-01	5.16E+01	6.97E-01	1.98E-04	3.76E-01	5.91E-02	1.13E+00	7.82E-01	4.68E+01	3.76E+00	3.02E-01	5.17E+01
2399	495718.25	3859442.96	8.82575	2.79669	73.624	8.78604	6.73E-01	2.98E+01	8.14E+00	5.02E-01	3.92E+01	6.53E-01	1.26E-04	8.14E-01	9.84E-02	1.57E+00	7.33E-01	2.98E+01	8.14E+00	5.02E-01	3.92E+01
2400	495818.25	3859442.96	8.46927	2.83107	69.454	8.37862	6.46E-01	3.02E+01	7.68E+00	4.79E-01	3.90E+01	6.27E-01	1.28E-04	7.68E-01	9.38E-02	1.49E+00	7.03E-01	3.02E+01	7.68E+00	4.79E-01	3.91E+01
2401	495918.25	3859442.96	8.18881	2.86394	65.583	8.0951	6.24E-01	3.06E+01	7.25E+00	4.63E-01	3.89E+01	6.06E-01	1.29E-04	7.25E-01	9.06E-02	1.42E+00	6.80E-01	3.06E+01	7.25E+00	4.63E-01	3.90E+01
2402	496018.25	3859442.96	7.92026	2.89488	61.91	7.85547	6.04E-01	3.09E+01	6.84E+00	4.49E-01	3.88E+01	5.86E-01	1.30E-04	6.84E-01	8.79E-02	1.36E+00	6.58E-01	3.09E+01	6.84E+00	4.49E-01	3.88E+01
2403	496118.25	3859442.96	7.89877	2.92623	60.004	8.11523	6.02E-01	3.12E+01	6.63E+00	4.64E-01	3.89E+01	5.85E-01	1.32E-04	6.63E-01	9.08E-02	1.34E+00	6.56E-01	3.12E+01	6.63E+00	4.64E-01	3.90E+01
2404	496218.25	3859442.96	8.02797	2.95449	57.49	8.25167	6.12E-01	3.15E+01	6.36E+00	4.72E-01	3.90E+01	5.94E-01	1.33E-04	6.36E-01	9.24E-02	1.32E+00	6.66E-01	3.15E+01	6.36E+00	4.72E-01	3.90E+01
2405	496318.25	3859442.96	7.97197	2.97813	54.229	8.02426	6.08E-01	3.18E+01	6.00E+00	4.59E-01	3.88E+01	5.90E-01	1.34E-04	6.00E-01	8.98E-02	1.28E+00	6.62E-01	3.18E+01	6.00E+00	4.59E-01	3.89E+01
2406	496418.25	3859442.96	7.96837	2.99912	50.982	7.76097	6.07E-01	3.20E+01	5.64E+00	4.44E-01	3.87E+01	5.90E-01	1.35E-04	5.64E-01	8.69E-02	1.24E+00	6.62E-01	3.20E+01	5.64E+00	4.44E-01	3.87E+01
2407	495718.25	3859542.96	9.79781	2.59967	82.946	9.62043	7.47E-01	2.77E+01	9.17E+00	5.50E-01	3.82E+01	7.25E-01	1.17E-04	9.17E-01	1.08E-01	1.75E+00	8.13E-01	2.77E+01	9.17E+00	5.50E-01	3.83E+01
2408	495818.25	3859542.96	9.57898	2.63858	81.059	9.52067	7.30E-01	2.82E+01	8.96E+00	5.44E-01	3.84E+01	7.09E-01	1.19E-04	8.96E-01	1.07E-01	1.71E+00	7.95E-01	2.82E+01	8.96E+00	5.44E-01	3.85E+01
2409	495918.25	3859542.96	9.28873	2.67627	78.948	9.3187	7.08E-01	2.86E+01	8.73E+00	5.33E-01	3.85E+01	6.88E-01	1.21E-04	8.73E-01	1.04E-01	1.66E+00	7.71E-01	2.86E+01	8.73E+00	5.33E-01	3.86E+01
2410	496018.25	3859542.96	9.02259	2.71333	76.333	9.12111	6.88E-01	2.90E+01	8.44E+00	5.22E-01	3.86E+01	6.68E-01	1.22E-04	8.44E-01	1.02E-01	1.61E+00	7.49E-01	2.90E+01	8.44E+00	5.22E-01	3.87E+01
2411	496118.25	3859542.96	9.01738	2.75222	73.215	9.28711	6.87E-01	2.94E+01	8.09E+00	5.31E-01	3.87E+01	6.68E-01	1.24E-04	8.09E-01	1.04E-01	1.58E+00	7.49E-01	2.94E+01	8.09E+00	5.31E-01	3.87E+01
2412	496218.25	3859542.96	8.89083	2.78904	69.936	9.30447	6.78E-01	2.98E+01	7.73E+00	5.32E-01	3.87E+01	6.58E-01	1.26E-04	7.73E-01	1.04E-01	1.54E+00	7.38E-01	2.98E+01	7.73E+00	5.32E-01	3.88E+01
2413	496318.25	3859542.96	8.68591	2.82325	66.767	9.23807	6.62E-01	3.01E+01	7.38E+00	5.28E-01	3.87E+01	6.43E-01	1.27E-04	7.38E-01	1.03E-01	1.48E+00	7.21E-01	3.01E+01	7.38E+00	5.28E-01	3.88E+01
2414	496418.25	3859542.96	8.44764	2.85324	64.317	8.99388	6.44E-01	3.04E+01	7.11E+00	5.14E-01	3.87E+01	6.25E-01	1.29E-04	7.11E-01	1.01E-01	1.44E+00	7.01E-01	3.04E+01	7.11E+00	5.14E-01	3.88E+01
2415	495718.25	3859642.96	10.4019	2.63442	79.603	9.4086	7.93E-01	2.81E+01	8.80E+00	5.38E-01	3.82E+01	7.70E-01	1.19E-04	8.80E-01	1.05E-01	1.76E+00	8.64E-01	2.81E+01	8.80E+00	5.38E-01	3.83E+01
2416	495818.25	3859642.96	10.2237	2.54396	80.657	9.49665	7.79E-01	2.71E+01	8.92E+00	5.43E-01	3.74E+01	7.57E-01	1.15E-04	8.92E-01	1.06E-01	1.76E+00	8.49E-01	2.71E+01	8.92E+00	5.43E-01	3.75E+01
2417	495918.25	3859642.96	10.0874	2.51867	80.049	9.54915	7.69E-01	2.69E+01	8.85E+00	5.46E-01	3.70E+01	7.47E-01	1.14E-04	8.85E-01	1.07E-01	1.74E+00	8.37E-01	2.69E+01	8.85E+00	5.46E-01	3.71E+01
2418	496018.25	3859642.96	9.88073	2.52928	79.835	9.55192	7.53E-01	2.70E+01	8.83E+00	5.46E-01	3.71E+01	7.32E-01	1.14E-04	8.83E-01	1.07E-01	1.72E+00	8.20E-01	2.70E+01	8.83E+00	5.46E-01	3.72E+01
2419	496118.25	3859642.96	9.91432	2.6156	75.351	9.59893	7.56E-01	2.79E+01	8.33E+00	5.49E-01	3.75E+01	7.34E-01	1.18E-04	8.33E-01	1.07E-01	1.67E+00	8.23E-01	2.79E+01	8.33E+00	5.49E-01	3.76E+01
2420	496218.25	3859642.96	9.83402	2.71879	71.489	9.55713	7.50E-01	2.90E+01	7.90E+00	5.47E-01	3.82E+01	7.28E-01	1.23E-04	7.90E-01	1.07E-01	1.63E+00	8.16E-01	2.90E+01	7.90E+00	5.47E-01	3.83E+01
2421	496318.25	3859642.96	9.59275	2.6709	70.56	9.53526	7.31E-01	2.85E+01	7.80E+00	5.45E-01	3.76E+01	7.10E-01	1.20E-04	7.80E-01	1.07E-01	1.60E+00	7.96E-01	2.85E+01	7.80E+00	5.45E-01	3.76E+01
2422	496418.25	3859642.96	8.99552	2.67428	73.893	9.28542	6.86E-01	2.85E+01	8.17E+00	5.31E-01	3.79E+01	6.66E-01	1.21E-04	8.17E-01	1.04E-01	1.59E+00	7.47E-01	2.85E+01	8.17E+00	5.31E-01	3.80E+01
2423	495718.25	3859742.96	10.8276	3.14744	62.507	9.13201	8.25E-01	3.36E+01	6.91E+00	5.22E-01	4.18E+01	8.02E-01	1.42E-04	6.91E-01	1.02E-01	1.60E+00	8.99E-01	3.36E+01	6.91E+00	5.22E-01	4.19E+01
2424	495818.25	3859742.96	10.5953	3.01344	66.935	9.09284	8.08E-01	3.22E+01	7.40E+00	5.20E-01	4.09E+01	7.84E-01	1.36E-04	7.40E-01	1.02E-01	1.63E+00	8.80E-01	3.22E+01	7.40E+00	5.20E-01	4.10E+01
2425	495918.25	3859742.96	10.5201	2.94638	69.228	9.01842	8.02E-01	3.14E+01	7.65E+00	5.16E-01	4.04E+01	7.79E-01	1.33E-04	7.65E-01	1.01E-01	1.65E+00	8.73E-01	3.14E+01	7.65E+00	5.16E-01	4.05E+01
2426	496018.25	3859742.96	10.3942	2.86329	71.575	9.00803	7.92E-01	3.06E+01	7.91E+00	5.15E-01	3.98E+01	7.70E-01	1.29E-04	7.91E-01	1.01E-01	1.66E+00	8.63E-01	3.06E+01	7.91E+00	5.15E-01	3.98E+01
2427	496118.25	3859742.96	10.4172	3.01048	67.662	8.94827	7.94E-01	3.21E+01	7.48E+00	5.12E-01	4.09E+01	7.71E-01	1.36E-04	7.48E-01	1.00E-01	1.62E+00	8.65E-01	3.21E+01	7.48E+00	5.12E-01	4.10E+01
2428	496218.25	3859742.96	10.4125	3.20304	61.87	8.88151	7.94E-01	3.42E+01	6.84E+00	5.08E-01	4.23E+01	7.71E-01	1.44E-04	6.84E-01	9.94E-02	1.55E+00	8.64E-01	3.42E+01	6.84E+00	5.08E-01	4.24E+01
2429	496318.25	3859742.96	10.0613	2.86173	70.552	9.24137	7.67E-01	3.05E+01	7.80E+00	5.28E-01	3.96E+01	7.45E-01	1.29E-04	7.80E-01	1.03E-01	1.63E+00	8.35E-01	3.05E+01	7.80E+00	5.28E-01	3.97E+01
2430	496418.25	3859742.96	9.66807	2.55575	76.124	9.66918	7.37E-01	2.73E+01	8.42E+00	5.53E-01	3.70E+01	7.16E-01	1.15E-04	8.42E-01	1.08E-01	1.67E+00	8.03E-01	2.73E+01	8.42E+00	5.53E-01	3.70E+01
2431	495718.25	3859842.96	11.0078	4.47294	47.784	9.18332	8.39E-01	4.77E+01	5.28E+00	5.25E-01	5.44E+01	8.15E-01	2.02E-04	5.28E-01	1.03E-01	1.45E+00	9.14E-01	4.77E+01	5.28E+00	5.25E-01	5.45E+01
2432	495818.25	3859842.96	10.9176	4.45304	47.785	9.29593	8.32E-01	4.75E+01	5.28E+00	5.32E-01	5.42E+01	8.08E-01	2.01E-04	5.28E-01	1.04E-01	1.44E+00	9.06E-01	4.75E+01	5.28E+00	5.32E-01	5.42E+01
2433	495918.25	3859842.96	10.7821	4.43222	49.805	9.3935	8.22E-01	4.73E+01	5.51E+00	5.37E-01	5.42E+01	7.98E-01	2.00E-04	5.51E-01	1.05E-01	1.45E+00	8.95E-01	4.73E+01	5.51E+00	5.37E-01	5.42E+01
2434	496018.25	3859842.96	10.6155	4.41257	51.06	9.35667	8.09E-01	4.71E+01	5.65E+00	5.35E-01	5.41E+01	7.86E-01	1.99E-04	5.65E-01	1.05E-01	1.46E+00	8.81E-01	4.71E+01	5.65E+00	5.35E-01	5.42E+01
2435	496118.25	3859842.96	10.5938	4.39764	45.486	8.92932	8.07E-01	4.69E+01	5.03E+00	5.11E-01	5.33E+01	7.84E-01	1.98E-04	5.03E-01	1.00E-01	1.39E+00	8.80E-01	4.69E+01	5.03E+00	5.11E-01	5.33E+01
2436	496218.25	3859842.96	10.4993	3.21957	55.407	9.37688	8.00E-01	3.44E+01	6.13E+00	5.36E-01	4.18E+01	7.77E-01	1.45E-04	6.13E-01	1.05E-01	1.49E+00	8.72E-01	3.44E+01	6.13E+00	5.36E-01	4.19E+01

2437	496318.25	3859842.96	9.99037	2.56654	73.373	9.04583	7.61E-01	2.74E+01	8.11E+00	5.17E-01	3.68E+01	7.40E-01	1.16E-04	8.11E-01	1.01E-01	1.65E+00	8.29E-01	2.74E+01	8.11E+00	5.17E-01	3.68E+01
2438	496418.25	3859842.96	9.47981	2.36787	78.957	8.72681	7.23E-01	2.53E+01	8.73E+00	4.99E-01	3.52E+01	7.02E-01	1.07E-04	8.73E-01	9.77E-02	1.67E+00	7.87E-01	2.53E+01	8.73E+00	4.99E-01	3.53E+01
2439	495718.25	3859942.96	10.7612	4.32069	39.777	8.5492	8.20E-01	4.61E+01	4.40E+00	4.89E-01	5.18E+01	7.97E-01	1.95E-04	4.40E-01	9.57E-02	1.33E+00	8.93E-01	4.61E+01	4.40E+00	4.89E-01	5.19E+01
2440	495818.25	3859942.96	10.7351	4.28658	41.741	8.85521	8.18E-01	4.57E+01	4.61E+00	5.06E-01	5.17E+01	7.95E-01	1.93E-04	4.61E-01	9.91E-02	1.36E+00	8.91E-01	4.57E+01	4.61E+00	5.06E-01	5.18E+01
2441	495918.25	3859942.96	10.7366	4.25356	41.301	8.91934	8.18E-01	4.54E+01	4.57E+00	5.10E-01	5.13E+01	7.95E-01	1.92E-04	4.57E-01	9.98E-02	1.35E+00	8.91E-01	4.54E+01	4.57E+00	5.10E-01	5.14E+01
2442	496018.25	3859942.96	10.6333	4.22397	40.716	8.41659	8.10E-01	4.51E+01	4.50E+00	4.81E-01	5.09E+01	7.87E-01	1.90E-04	4.50E-01	9.42E-02	1.33E+00	8.83E-01	4.51E+01	4.50E+00	4.81E-01	5.09E+01
2443	496118.25	3859942.96	10.6173	4.18583	43.364	9.14785	8.09E-01	4.47E+01	4.79E+00	5.23E-01	5.08E+01	7.86E-01	1.89E-04	4.79E-01	1.02E-01	1.37E+00	8.81E-01	4.47E+01	4.79E+00	5.23E-01	5.09E+01
2444	496218.25	3859942.96	10.4963	2.97249	51.791	9.98677	8.00E-01	3.17E+01	5.73E+00	5.71E-01	3.88E+01	7.77E-01	1.34E-04	5.73E-01	1.12E-01	1.46E+00	8.71E-01	3.17E+01	5.73E+00	5.71E-01	3.89E+01
2445	496318.25	3859942.96	10.191	2.59317	61.374	9.98044	7.77E-01	2.77E+01	6.79E+00	5.71E-01	3.58E+01	7.54E-01	1.17E-04	6.79E-01	1.12E-01	1.54E+00	8.46E-01	2.77E+01	6.79E+00	5.71E-01	3.59E+01
2446	496418.25	3859942.96	9.58255	2.31414	72.32	8.7666	7.30E-01	2.47E+01	8.00E+00	5.01E-01	3.39E+01	7.09E-01	1.04E-04	8.00E-01	9.81E-02	1.61E+00	7.96E-01	2.47E+01	8.00E+00	5.01E-01	3.40E+01
2447	496856.82	3858864.83	5.65487	3.25027	29.039	4.36849	4.31E-01	3.47E+01	3.21E+00	2.50E-01	3.86E+01	4.19E-01	1.47E-04	3.21E-01	4.89E-02	7.89E-01	4.69E-01	3.47E+01	3.21E+00	2.50E-01	3.86E+01
2448	496956.82	3858864.83	5.78619	3.2359	28.111	4.35648	4.41E-01	3.45E+01	3.11E+00	2.49E-01	3.83E+01	4.28E-01	1.46E-04	3.11E-01	4.88E-02	7.88E-01	4.80E-01	3.45E+01	3.11E+00	2.49E-01	3.84E+01
2449	497056.82	3858864.83	5.90817	3.22171	27.387	4.34388	4.50E-01	3.44E+01	3.03E+00	2.48E-01	3.81E+01	4.37E-01	1.45E-04	3.03E-01	4.86E-02	7.89E-01	4.91E-01	3.44E+01	3.03E+00	2.48E-01	3.81E+01
2450	497156.82	3858864.83	6.02208	3.20773	26.799	4.3326	4.59E-01	3.42E+01	2.96E+00	2.48E-01	3.79E+01	4.46E-01	1.45E-04	2.96E-01	4.85E-02	7.91E-01	5.00E-01	3.42E+01	2.96E+00	2.48E-01	3.79E+01
2451	497256.82	3858864.83	6.135	3.19394	26.415	4.31599	4.68E-01	3.41E+01	2.92E+00	2.47E-01	3.77E+01	4.54E-01	1.44E-04	2.92E-01	4.83E-02	7.95E-01	5.09E-01	3.41E+01	2.92E+00	2.47E-01	3.78E+01
2452	496856.82	3858964.83	4.86802	3.05151	36.529	4.37639	3.71E-01	3.26E+01	4.04E+00	2.50E-01	3.72E+01	3.60E-01	1.38E-04	4.04E-01	4.90E-02	8.13E-01	4.04E-01	3.26E+01	4.04E+00	2.50E-01	3.73E+01
2453	496956.82	3858964.83	5.02018	3.03783	33.514	4.36488	3.83E-01	3.24E+01	3.71E+00	2.50E-01	3.68E+01	3.72E-01	1.37E-04	3.71E-01	4.89E-02	7.91E-01	4.17E-01	3.24E+01	3.71E+00	2.50E-01	3.68E+01
2454	497056.82	3858964.83	5.17082	3.02445	31.778	4.35083	3.94E-01	3.23E+01	3.51E+00	2.49E-01	3.64E+01	3.83E-01	1.36E-04	3.51E-01	4.87E-02	7.83E-01	4.29E-01	3.23E+01	3.51E+00	2.49E-01	3.65E+01
2455	497156.82	3858964.83	5.31304	3.01134	30.169	4.33671	4.05E-01	3.21E+01	3.34E+00	2.48E-01	3.61E+01	3.93E-01	1.36E-04	3.34E-01	4.85E-02	7.76E-01	4.41E-01	3.21E+01	3.34E+00	2.48E-01	3.62E+01
2456	497256.82	3858964.83	5.45816	2.99847	32.246	4.31278	4.16E-01	3.20E+01	3.57E+00	2.47E-01	3.62E+01	4.04E-01	1.35E-04	3.57E-01	4.83E-02	8.09E-01	4.53E-01	3.20E+01	3.57E+00	2.47E-01	3.63E+01
2457	496856.82	3859064.83	4.9869	2.82543	42.397	4.36706	3.80E-01	3.02E+01	4.69E+00	2.50E-01	3.55E+01	3.69E-01	1.27E-04	4.69E-01	4.89E-02	8.87E-01	4.14E-01	3.02E+01	4.69E+00	2.50E-01	3.55E+01
2458	496956.82	3859064.83	4.92417	2.81445	39.875	4.35182	3.75E-01	3.00E+01	4.41E+00	2.49E-01	3.51E+01	3.65E-01	1.27E-04	4.41E-01	4.87E-02	8.54E-01	4.09E-01	3.00E+01	4.41E+00	2.49E-01	3.51E+01
2459	497056.82	3859064.83	4.89248	2.80382	38.183	4.33506	3.73E-01	2.99E+01	4.22E+00	2.48E-01	3.48E+01	3.62E-01	1.26E-04	4.22E-01	4.85E-02	8.33E-01	4.06E-01	2.99E+01	4.22E+00	2.48E-01	3.48E+01
2460	497156.82	3859064.83	4.87892	2.79345	36.965	4.31735	3.72E-01	2.98E+01	4.09E+00	2.47E-01	3.45E+01	3.61E-01	1.26E-04	4.09E-01	4.83E-02	8.18E-01	4.05E-01	2.98E+01	4.09E+00	2.47E-01	3.45E+01
2461	497256.82	3859064.83	5.23384	2.78335	42.726	4.28862	3.99E-01	2.97E+01	4.72E+00	2.45E-01	3.51E+01	3.87E-01	1.25E-04	4.72E-01	4.80E-02	9.08E-01	4.35E-01	2.97E+01	4.72E+00	2.45E-01	3.51E+01
2462	496856.82	3859164.83	5.23069	2.60647	43.743	4.33735	3.99E-01	2.78E+01	4.84E+00	2.48E-01	3.33E+01	3.87E-01	1.17E-04	4.84E-01	4.86E-02	9.20E-01	4.34E-01	2.78E+01	4.84E+00	2.48E-01	3.33E+01
2463	496956.82	3859164.83	5.02689	2.59954	41.107	4.32104	3.83E-01	2.77E+01	4.54E+00	2.47E-01	3.29E+01	3.72E-01	1.17E-04	4.54E-01	4.84E-02	8.75E-01	4.17E-01	2.77E+01	4.54E+00	2.47E-01	3.30E+01
2464	497056.82	3859164.83	4.98476	2.59286	41.3	4.29994	3.80E-01	2.77E+01	4.57E+00	2.46E-01	3.29E+01	3.69E-01	1.17E-04	4.57E-01	4.81E-02	8.74E-01	4.14E-01	2.77E+01	4.57E+00	2.46E-01	3.29E+01
2465	497156.82	3859164.83	5.15648	2.58641	44.778	4.27387	3.93E-01	2.76E+01	4.95E+00	2.44E-01	3.32E+01	3.82E-01	1.17E-04	4.95E-01	4.78E-02	9.25E-01	4.28E-01	2.76E+01	4.95E+00	2.44E-01	3.32E+01
2466	497256.82	3859164.83	5.58597	2.58022	52.751	4.24224	4.26E-01	2.75E+01	5.83E+00	2.43E-01	3.40E+01	4.14E-01	1.16E-04	5.83E-01	4.75E-02	1.04E+00	4.64E-01	2.75E+01	5.83E+00	2.43E-01	3.41E+01
2467	496856.82	3859264.83	5.53143	2.42518	40.882	4.2849	4.22E-01	2.59E+01	4.52E+00	2.45E-01	3.11E+01	4.10E-01	1.09E-04	4.52E-01	4.80E-02	9.10E-01	4.59E-01	2.59E+01	4.52E+00	2.45E-01	3.11E+01
2468	496956.82	3859264.83	5.58249	2.42262	42.447	4.2609	4.26E-01	2.59E+01	4.69E+00	2.44E-01	3.12E+01	4.13E-01	1.09E-04	4.69E-01	4.77E-02	9.30E-01	4.63E-01	2.59E+01	4.69E+00	2.44E-01	3.13E+01
2469	497056.82	3859264.83	5.76832	2.42013	46.327	4.23328	4.40E-01	2.58E+01	5.12E+00	2.42E-01	3.16E+01	4.27E-01	1.09E-04	5.12E-01	4.74E-02	9.87E-01	4.79E-01	2.58E+01	5.12E+00	2.42E-01	3.17E+01
2470	497156.82	3859264.83	5.90647	2.4177	49.765	4.20686	4.50E-01	2.58E+01	5.50E+00	2.41E-01	3.20E+01	4.37E-01	1.09E-04	5.50E-01	4.71E-02	1.03E+00	4.90E-01	2.58E+01	5.50E+00	2.41E-01	3.20E+01
2471	497256.82	3859264.83	6.19586	2.41538	56.106	4.56268	4.72E-01	2.58E+01	6.20E+00	2.61E-01	3.27E+01	4.59E-01	1.09E-04	6.20E-01	5.11E-02	1.13E+00	5.14E-01	2.58E+01	6.20E+00	2.61E-01	3.28E+01
2472	497088.92	3858620.93	3.98228	3.43751	22.211	4.24638	3.04E-01	3.67E+01	2.46E+00	2.43E-01	3.97E+01	2.95E-01	1.55E-04	2.46E-01	4.75E-02	5.88E-01	3.31E-01	3.67E+01	2.46E+00	2.43E-01	3.97E+01
2473	497138.92	3858620.93	3.97105	3.43381	22.151	4.24078	3.03E-01	3.66E+01	2.45E+00	2.43E-01	3.96E+01	2.94E-01	1.55E-04	2.45E-01	4.75E-02	5.87E-01	3.30E-01	3.66E+01	2.45E+00	2.43E-01	3.97E+01
2474	497188.92	3858620.93	3.95667	3.43005	22.117	4.24079	3.02E-01	3.66E+01	2.45E+00	2.43E-01	3.96E+01	2.93E-01	1.55E-04	2.45E-01	4.75E-02	5.85E-01	3.28E-01	3.66E+01	2.45E+00	2.43E-01	3.96E+01
2475	497238.92	3858620.93	3.94359	3.4262	22.061	4.23629	3.01E-01	3.66E+01	2.44E+00	2.42E-01	3.95E+01	2.92E-01	1.54E-04	2.44E-01	4.74E-02	5.83E-01	3.27E-01	3.66E+01	2.44E+00	2.42E-01	3.96E+01
2476	497088.92	3858670.93	4.01626	3.43071	21.805	4.28126	3.06E-01	3.66E+01	2.41E+00	2.45E-01	3.96E+01	2.97E-01	1.55E-04	2.41E-01	4.79E-02	5.86E-01	3.33E-01	3.66E+01	2.41E+00	2.45E-01	3.96E+01
2477	497138.92	3858670.93	4.00922	3.42585	21.746	4.27287	3.06E-01	3.66E+01	2.40E+00	2.44E-01	3.95E+01	2.97E-01	1.54E-04	2.40E-01	4.78E-02	5.85E-01	3.33E-01	3.66E+01	2.40E+00	2.44E-01	3.95E+01
2478	497188.92	3858670.93	4.00022	3.42095	21.708	4.26919	3.05E-01	3.65E+01	2.40E+00	2.44E-01	3.95E+01	2.96E-01	1.54E-04	2.40E-01	4.78E-02	5.84E-01	3.32E-01	3.65E+01	2.40E+00	2.44E-01	3.95E+01
2479	497238.92	3858670.93	3.98974	3.41601	21.658	4.26284	3.04E-01	3.65E+01	2.39E+00	2.44E-01	3.94E+01	2.95E-01	1.54E-04	2.39E-01	4.77E-02	5.83E-01	3.31E-01	3.65E+01	2.39E+00	2.44E-01	3.94E+01
2480	497088.92	3858720.93	6.73177	3.40272	21.242	4.3007	5.13E-01	3.63E+01	2.35E+00	2.46E-01	3.94E+01	4.98E-01	1.53E-04	2.35E-01	4.81E-02	7.82E-01	5.59E-01	3.63E+01	2.35E+00	2.46E-01	3.95E+01
2481	497138.92	3858720.93	4.03509	3.397	21.236	4.3022	3.08E-01	3.63E+01	2.35E+00	2.46E-01	3.92E+01	2.99E-01	1.53E-04	2.35E-01	4.82E-02	5.82E-01	3.35E-01	3.63E+01	2.35E+00	2.46E-01	3.92E+01
2482	497188.92	3858720.93	4.02803	3.39127	21.203	4.29656	3.07E-01	3.62E+01	2.34E+00	2.46E-01	3.91E+01	2.98E-01	1.53E-04	2.34E-01	4.81E-02	5.81E-01	3.34E-01	3.62E+01	2.34E+00	2.46E-01	3.91E+01
2483	497238.92	3858720.93	6.83327	3.38555	21.144	4.28433	5.21E-01	3.61E+01	2.34E+00	2.45E-01	3.92E+01	5.06E-01	1.53E-04	2.34E-01	4.80E-02	7.88E-01	5.67E-01	3.61E+01	2.34E+00	2.45E-01	3.93E+01
2484	497088.92	3858770.93	6.49295	3.35499	20.606	4.32171	4.95E-01	3.58E+01	2.28E+00	2.47E-01	3.88E+01	4.81E-01	1.51E-04	2.28E-01	4.84E-02	7.57E-01	5.39E-01	3.58E+01	2.28E+00	2.47E-01	3.89E+01
2485	497138.92	3858770.93	6.53568	3.34858	20.59	4.31738	4.98E-01	3.57E+01	2.28E+00	2.47E-01	3.88E+01	4.84E-01	1.51E-04	2.28E-01	4.83E-02	7.60E-01	5.43E-01	3.57E+01	2.28E+00	2.47E-01	3.88E+01
2486	497188.92	3858770.93	6.58049	3.34217	20.561	4.30882	5.02E-01	3.57E+01	2.27E+00	2.46E-01	3.87E+01	4.87E-01	1.51E-04	2.27E-01	4.82E-02	7.63E-01	5.46E-01	3.57E+01	2.27E+00	2.46E-01	3.87E+01
2487	497238.92	3858770.93	6.62031	3.33578	20.535	4.30131	5.05E-01	3.56E+01	2.27E+00	2.46E-01	3.86E+01	4.90E-01	1.50E-04	2.27E-01	4.82E-02	7.65E-01	5.50E-01	3.56E+01	2.27E+00	2.46E-01	3.87E+01
2488	497396.65	3858622.63	7.21084	3.41365	21.791	4.20392	5.50E-01	3.64E+01	2.41E+00	2.40E-01	3.96E+01	5.34E-01	1.54E-04	2.41E-01	4.71E-02	8.22E-01	5.99E-01	3.64E+01	2.41E+00	2.40E-01	3.97E+01
2489	497496.65	3858622.63	7.24714	3.4055	21.642	4.18445	5.52E-01	3.63E+01	2.39E+00	2.39E-01	3.95E+01	5.37E-01	1.54E-04	2.39E-01	4.68E-02	8.23E-01	6.02E-01	3.63E+01	2.39E+00	2.39E-01	3.96E+01
2490	497596.65	3858622.63	7.29004	3.39723	22.438	4.15771	5.56E-01	3.63E+01	2.48E+00	2.38E-01	3.95E+01	5.40E-01	1.53E-04	2.48E-01	4.65E-02	8.34E-01	6.05E-01	3.63E+01	2.48E+00	2.38E-01	3.96E+01
2491	497696.65	3858622.63	7.3132	3.38886	25.012	4.144	5.57E-01	3.62E+01	2.77E+00	2.37E-01	3.97E+01	5.41E-01	1.53E-04	2.77E-01	4.64E-02	8.65E-01	6.07E-01	3.62E+01	2.77E+00	2.37E-01	3.98E+01
2492	497796.65	3858622.63	7.34091	3.38034	26.772	4.12467	5.60E-01	3.61E+01	2.96E+00	2.36E-01	3.98E+01	5.43E-01	1.52E-04	2.96E-01	4.62E-02	8.86E-01	6.09E-01	3.61E+01	2.96E+00	2.36E-01	3.99E+01
2493	497896.65	3858622.63	7.3641	3.37171	31.026	4.10559	5.61E-01	3.60E+01	3.43E+00	2.35E-01	4.02E+01	5.45E-01	1.52E-04	3.43E-01	4.60E-02	9.34E-01	6.11E-01	3.60E+01	3.43E+00	2.35E-01	4.03E+01
2494	497396.65	3858722.63	6.94008	3.36606	20.945	4.24538	5.29E-01	3.59E+01	2.32E+00	2.43E-01	3.90E+01	5.14E-01	1.52E-04	2.32E-01	4.75E-02	7.93E-01	5.76E-01	3.59E+01	2.32E+00	2.43E-01	3.91E+01
2495	497496.65	3858722.63	7.00592	3.35451	22.277	4.22352	5.34E-01	3.58E+01	2.46E+00	2.42E-01	3.90E+01	5.19E-01	1.51E-04	2.46E-01	4.73E-02	8.12E-01	5.82E-01	3.58E+01	2.46E+00	2.42E-01	3.91E+01
2496	497596.65	3858722.63	7.06865	3.34284	26.979	4.19719	5.39E-01	3.57E+01	2.98E+00	2.40E-01	3.94E+01	5.23E-01	1.51E-04	2.98E-01	4.70E-02	8.69E-01	5.87E-01	3.57E+01	2.98E+00	2.40E-01	3.95E+01
2497	497696.65	3858722.63	7.1237	3.33125	30.4	4.1765	5.43E-01	3.56E+01	3.36E+00	2.39E-01	3.97E+01	5.27E-01	1.50E-04	3.36E-01	4.68E-02	9.10E-01	5.91E-01	3.56E+01	3.36E+00	2.39E-01	3.97E+01

2498	497796.65	3858722.63	7.17025	3.31974	33.363	4.15896	5.47E-01	3.54E+01	3.69E+00	2.38E-01	3.99E+01	5.31E-01	1.50E-04	3.69E-01	4.66E-02	9.46E-01	5.95E-01	3.54E+01	3.69E+00	2.38E-01	3.99E+01
2499	497896.65	3858722.63	7.21446	3.30822	38.229	4.13979	5.50E-01	3.53E+01	4.23E+00	2.37E-01	4.03E+01	5.34E-01	1.49E-04	4.23E-01	4.63E-02	1.00E+00	5.99E-01	3.53E+01	4.23E+00	2.37E-01	4.04E+01
2500	497396.65	3858822.63	6.51784	3.24446	26.077	4.27336	4.97E-01	3.46E+01	2.88E+00	2.44E-01	3.82E+01	4.83E-01	1.46E-04	2.88E-01	4.78E-02	8.19E-01	5.41E-01	3.46E+01	2.88E+00	2.44E-01	3.83E+01
2501	497496.65	3858822.63	6.6093	3.23123	28.284	4.25021	5.04E-01	3.45E+01	3.13E+00	2.43E-01	3.84E+01	4.89E-01	1.46E-04	3.13E-01	4.76E-02	8.50E-01	5.49E-01	3.45E+01	3.13E+00	2.43E-01	3.84E+01
2502	497596.65	3858822.63	6.70796	3.21814	41.63	4.21761	5.11E-01	3.43E+01	4.60E+00	2.41E-01	3.97E+01	4.97E-01	1.45E-04	4.60E-01	4.72E-02	1.00E+00	5.57E-01	3.43E+01	4.60E+00	2.41E-01	3.97E+01
2503	497696.65	3858822.63	6.78468	3.20516	40.791	4.19852	5.17E-01	3.42E+01	4.51E+00	2.40E-01	3.95E+01	5.02E-01	1.44E-04	4.51E-01	4.70E-02	1.00E+00	5.63E-01	3.42E+01	4.51E+00	2.40E-01	3.95E+01
2504	497796.65	3858822.63	6.86111	3.19231	47.794	4.1773	5.23E-01	3.41E+01	5.28E+00	2.39E-01	4.01E+01	5.08E-01	1.44E-04	5.28E-01	4.68E-02	1.08E+00	5.70E-01	3.41E+01	5.28E+00	2.39E-01	4.02E+01
2505	497896.65	3858822.63	6.93584	3.17961	51.946	4.1544	5.29E-01	3.39E+01	5.74E+00	2.38E-01	4.04E+01	5.13E-01	1.43E-04	5.74E-01	4.65E-02	1.13E+00	5.76E-01	3.39E+01	5.74E+00	2.38E-01	4.05E+01
2506	497396.65	3858922.63	5.94023	3.06659	33.037	4.28145	4.53E-01	3.27E+01	3.65E+00	2.45E-01	3.71E+01	4.40E-01	1.38E-04	3.65E-01	4.79E-02	8.53E-01	4.93E-01	3.27E+01	3.65E+00	2.45E-01	3.71E+01
2507	497496.65	3858922.63	6.0689	3.05369	41.831	4.25027	4.63E-01	3.26E+01	4.62E+00	2.43E-01	3.79E+01	4.49E-01	1.38E-04	4.62E-01	4.76E-02	9.60E-01	5.04E-01	3.26E+01	4.62E+00	2.43E-01	3.80E+01
2508	497596.65	3858922.63	6.17832	3.04099	42.79	4.23159	4.71E-01	3.25E+01	4.73E+00	2.42E-01	3.79E+01	4.57E-01	1.37E-04	4.73E-01	4.74E-02	9.78E-01	5.13E-01	3.25E+01	4.73E+00	2.42E-01	3.79E+01
2509	497696.65	3858922.63	6.30189	3.02849	60.804	4.19854	4.80E-01	3.23E+01	6.72E+00	2.40E-01	3.98E+01	4.67E-01	1.37E-04	6.72E-01	4.70E-02	1.19E+00	5.23E-01	3.23E+01	6.72E+00	2.40E-01	3.98E+01
2510	497796.65	3858922.63	6.40493	3.01627	61.526	4.17605	4.88E-01	3.22E+01	6.80E+00	2.39E-01	3.97E+01	4.74E-01	1.36E-04	6.80E-01	4.67E-02	1.20E+00	5.32E-01	3.22E+01	6.80E+00	2.39E-01	3.98E+01
2511	497896.65	3858922.63	6.75462	3.00428	77.672	4.74369	5.15E-01	3.21E+01	8.59E+00	2.71E-01	4.14E+01	5.00E-01	1.35E-04	8.59E-01	5.31E-02	1.41E+00	5.61E-01	3.21E+01	8.59E+00	2.71E-01	4.15E+01
2512	497364.44	3858201.52	3.55219	2.85283	18.491	3.87776	2.71E-01	3.04E+01	2.04E+00	2.22E-01	3.30E+01	2.63E-01	1.29E-04	2.04E-01	4.34E-02	5.11E-01	2.95E-01	3.04E+01	2.04E+00	2.22E-01	3.30E+01
2513	497414.44	3858201.52	3.53681	2.85773	18.375	3.87062	2.70E-01	3.05E+01	2.03E+00	2.21E-01	3.30E+01	2.62E-01	1.29E-04	2.03E-01	4.33E-02	5.08E-01	2.94E-01	3.05E+01	2.03E+00	2.21E-01	3.30E+01
2514	497464.44	3858201.52	3.52165	2.86259	18.28	3.86692	2.68E-01	3.05E+01	2.02E+00	2.21E-01	3.31E+01	2.61E-01	1.29E-04	2.02E-01	4.33E-02	5.06E-01	2.92E-01	3.05E+01	2.02E+00	2.21E-01	3.31E+01
2515	497514.44	3858201.52	3.50646	2.86737	18.213	3.86767	2.67E-01	3.06E+01	2.01E+00	2.21E-01	3.31E+01	2.60E-01	1.29E-04	2.01E-01	4.33E-02	5.04E-01	2.91E-01	3.06E+01	2.01E+00	2.21E-01	3.31E+01
2516	497564.44	3858201.52	3.48984	2.87213	18.142	3.86773	2.66E-01	3.07E+01	2.01E+00	2.21E-01	3.31E+01	2.58E-01	1.29E-04	2.01E-01	4.33E-02	5.02E-01	2.90E-01	3.07E+01	2.01E+00	2.21E-01	3.32E+01
2517	497614.44	3858201.52	3.47251	2.87679	18.062	3.86592	2.65E-01	3.07E+01	2.00E+00	2.21E-01	3.32E+01	2.57E-01	1.30E-04	2.00E-01	4.33E-02	5.00E-01	2.88E-01	3.07E+01	2.00E+00	2.21E-01	3.32E+01
2518	497364.44	3858251.52	3.60739	2.96322	17.877	3.92079	2.75E-01	3.16E+01	1.98E+00	2.24E-01	3.41E+01	2.67E-01	1.34E-04	1.98E-01	4.39E-02	5.09E-01	2.99E-01	3.16E+01	1.98E+00	2.24E-01	3.41E+01
2519	497414.44	3858251.52	3.59599	2.96741	17.779	3.91491	2.74E-01	3.17E+01	1.97E+00	2.24E-01	3.41E+01	2.66E-01	1.34E-04	1.97E-01	4.38E-02	5.07E-01	2.99E-01	3.17E+01	1.97E+00	2.24E-01	3.42E+01
2520	497464.44	3858251.52	3.58245	2.97156	17.719	3.91589	2.73E-01	3.17E+01	1.96E+00	2.24E-01	3.42E+01	2.65E-01	1.34E-04	1.96E-01	4.38E-02	5.05E-01	2.97E-01	3.17E+01	1.96E+00	2.24E-01	3.42E+01
2521	497514.44	3858251.52	3.5691	2.97562	17.663	3.91738	2.72E-01	3.18E+01	1.95E+00	2.24E-01	3.42E+01	2.64E-01	1.34E-04	1.95E-01	4.39E-02	5.03E-01	2.96E-01	3.18E+01	1.95E+00	2.24E-01	3.42E+01
2522	497564.44	3858251.52	3.55581	2.97961	17.595	3.91657	2.71E-01	3.18E+01	1.95E+00	2.24E-01	3.42E+01	2.63E-01	1.34E-04	1.95E-01	4.38E-02	5.02E-01	2.95E-01	3.18E+01	1.95E+00	2.24E-01	3.43E+01
2523	497614.44	3858251.52	3.54195	2.98355	17.527	3.91564	2.70E-01	3.18E+01	1.94E+00	2.24E-01	3.43E+01	2.62E-01	1.34E-04	1.94E-01	4.38E-02	5.00E-01	2.94E-01	3.18E+01	1.94E+00	2.24E-01	3.43E+01
2524	497364.44	3858301.52	3.6486	3.0668	17.26	3.96539	2.78E-01	3.27E+01	1.91E+00	2.27E-01	3.51E+01	2.70E-01	1.38E-04	1.91E-01	4.44E-02	5.05E-01	3.03E-01	3.27E+01	1.91E+00	2.27E-01	3.52E+01
2525	497414.44	3858301.52	3.63894	3.07012	17.185	3.96203	2.77E-01	3.28E+01	1.90E+00	2.27E-01	3.52E+01	2.69E-01	1.38E-04	1.90E-01	4.44E-02	5.04E-01	3.02E-01	3.28E+01	1.90E+00	2.27E-01	3.52E+01
2526	497464.44	3858301.52	3.63033	3.07338	17.133	3.96324	2.77E-01	3.28E+01	1.89E+00	2.27E-01	3.52E+01	2.69E-01	1.39E-04	1.89E-01	4.44E-02	5.03E-01	3.01E-01	3.28E+01	1.89E+00	2.27E-01	3.52E+01
2527	497514.44	3858301.52	3.6195	3.07657	17.076	3.96316	2.76E-01	3.28E+01	1.89E+00	2.27E-01	3.52E+01	2.68E-01	1.39E-04	1.89E-01	4.44E-02	5.01E-01	3.00E-01	3.28E+01	1.89E+00	2.27E-01	3.52E+01
2528	497564.44	3858301.52	3.60821	3.07966	17.026	3.9642	2.75E-01	3.29E+01	1.88E+00	2.27E-01	3.52E+01	2.67E-01	1.39E-04	1.88E-01	4.44E-02	5.00E-01	3.00E-01	3.29E+01	1.88E+00	2.27E-01	3.53E+01
2529	497614.44	3858301.52	3.59665	3.08267	16.964	3.96283	2.74E-01	3.29E+01	1.88E+00	2.27E-01	3.53E+01	2.66E-01	1.39E-04	1.88E-01	4.44E-02	4.98E-01	2.99E-01	3.29E+01	1.88E+00	2.27E-01	3.53E+01
2530	497364.44	3858351.52	3.67863	3.16125	18.25	4.01049	2.80E-01	3.37E+01	2.02E+00	2.29E-01	3.63E+01	2.72E-01	1.43E-04	2.02E-01	4.49E-02	5.19E-01	3.05E-01	3.37E+01	2.02E+00	2.29E-01	3.63E+01
2531	497414.44	3858351.52	3.67103	3.16358	16.767	4.00995	2.80E-01	3.38E+01	1.85E+00	2.29E-01	3.61E+01	2.72E-01	1.43E-04	1.85E-01	4.49E-02	5.02E-01	3.05E-01	3.38E+01	1.85E+00	2.29E-01	3.61E+01
2532	497464.44	3858351.52	3.66327	3.16579	17.401	4.00797	2.79E-01	3.38E+01	1.92E+00	2.29E-01	3.62E+01	2.71E-01	1.43E-04	1.92E-01	4.49E-02	5.09E-01	3.04E-01	3.38E+01	1.92E+00	2.29E-01	3.62E+01
2533	497514.44	3858351.52	3.65608	3.16794	16.47	4.00684	2.79E-01	3.38E+01	1.82E+00	2.29E-01	3.61E+01	2.71E-01	1.43E-04	1.82E-01	4.49E-02	4.98E-01	3.04E-01	3.38E+01	1.82E+00	2.29E-01	3.62E+01
2534	497564.44	3858351.52	3.64783	3.17001	16.429	4.00818	2.78E-01	3.38E+01	1.82E+00	2.29E-01	3.62E+01	2.70E-01	1.43E-04	1.82E-01	4.49E-02	4.97E-01	3.03E-01	3.38E+01	1.82E+00	2.29E-01	3.62E+01
2535	497614.44	3858351.52	3.63886	3.17205	16.371	4.00603	2.77E-01	3.39E+01	1.81E+00	2.29E-01	3.62E+01	2.69E-01	1.43E-04	1.81E-01	4.48E-02	4.95E-01	3.02E-01	3.39E+01	1.81E+00	2.29E-01	3.62E+01
2536	497364.44	3858401.52	3.69341	3.24409	21.34	4.05452	2.82E-01	3.46E+01	2.36E+00	2.32E-01	3.75E+01	2.73E-01	1.46E-04	2.36E-01	4.54E-02	5.55E-01	3.07E-01	3.46E+01	2.36E+00	2.32E-01	3.75E+01
2537	497414.44	3858401.52	3.68976	3.2453	19.122	4.05449	2.81E-01	3.46E+01	2.11E+00	2.32E-01	3.73E+01	2.73E-01	1.46E-04	2.11E-01	4.54E-02	5.30E-01	3.06E-01	3.46E+01	2.11E+00	2.32E-01	3.73E+01
2538	497464.44	3858401.52	3.6851	3.24646	18.338	4.05343	2.81E-01	3.46E+01	2.03E+00	2.32E-01	3.72E+01	2.73E-01	1.46E-04	2.03E-01	4.54E-02	5.21E-01	3.06E-01	3.46E+01	2.03E+00	2.32E-01	3.72E+01
2539	497514.44	3858401.52	3.6792	3.24757	17.555	4.05112	2.80E-01	3.47E+01	1.94E+00	2.32E-01	3.71E+01	2.72E-01	1.46E-04	1.94E-01	4.53E-02	5.12E-01	3.05E-01	3.47E+01	1.94E+00	2.32E-01	3.71E+01
2540	497564.44	3858401.52	3.67355	3.24859	21.7	4.04419	2.80E-01	3.47E+01	2.40E+00	2.31E-01	3.76E+01	2.72E-01	1.46E-04	2.40E-01	4.53E-02	5.57E-01	3.05E-01	3.47E+01	2.40E+00	2.31E-01	3.76E+01
2541	497614.44	3858401.52	3.66716	3.24955	21.581	4.03478	2.80E-01	3.47E+01	2.39E+00	2.31E-01	3.76E+01	2.71E-01	1.46E-04	2.39E-01	4.52E-02	5.55E-01	3.04E-01	3.47E+01	2.39E+00	2.31E-01	3.76E+01
2542	493478.11	3860497.94	14.0375	7.21829	29.822	4.59495	1.07E+00	7.70E+01	3.30E+00	2.63E-01	8.17E+01	1.04E+00	3.25E-04	3.30E-01	5.14E-02	1.42E+00	1.17E+00	7.70E+01	3.30E+00	2.63E-01	8.18E+01
2543	493528.11	3860497.94	13.7299	7.18336	29.274	4.57422	1.05E+00	7.67E+01	3.24E+00	2.62E-01	8.12E+01	1.02E+00	3.24E-04	3.24E-01	5.12E-02	1.39E+00	1.14E+00	7.67E+01	3.24E+00	2.62E-01	8.13E+01
2544	493478.11	3860547.94	14.2186	7.04807	30.228	4.63532	1.08E+00	7.52E+01	3.34E+00	2.65E-01	7.99E+01	1.05E+00	3.18E-04	3.34E-01	5.19E-02	1.44E+00	1.18E+00	7.52E+01	3.34E+00	2.65E-01	8.00E+01
2545	493528.11	3860547.94	13.9749	6.89556	29.767	4.6172	1.07E+00	7.36E+01	3.29E+00	2.64E-01	7.82E+01	1.03E+00	3.11E-04	3.29E-01	5.17E-02	1.42E+00	1.16E+00	7.36E+01	3.29E+00	2.64E-01	7.83E+01
2546	493478.11	3860597.94	14.2646	7.03029	30.399	4.66026	1.09E+00	7.50E+01	3.36E+00	2.66E-01	7.97E+01	1.06E+00	3.17E-04	3.36E-01	5.22E-02	1.44E+00	1.18E+00	7.50E+01	3.36E+00	2.66E-01	7.98E+01
2547	493528.11	3860597.94	14.0969	6.94898	30.057	4.64473	1.07E+00	7.42E+01	3.32E+00	2.66E-01	7.88E+01	1.04E+00	3.13E-04	3.32E-01	5.20E-02	1.43E+00	1.17E+00	7.42E+01	3.32E+00	2.66E-01	7.89E+01
2548	493561.88	3860524.64	13.6784	7.08651	29.229	4.58484	1.04E+00	7.56E+01	3.23E+00	2.62E-01	8.02E+01	1.01E+00	3.19E-04	3.23E-01	5.13E-02	1.39E+00	1.14E+00	7.56E+01	3.23E+00	2.62E-01	8.03E+01
2549	493591.88	3860524.64	13.4981	7.08214	28.947	4.57095	1.03E+00	7.56E+01	3.20E+00	2.61E-01	8.01E+01	9.99E-01	3.19E-04	3.20E-01	5.12E-02	1.37E+00	1.12E+00	7.56E+01	3.20E+00	2.61E-01	8.02E+01
2550	493561.88	3860554.64	13.8235	6.86673	29.516	4.60867	1.05E+00	7.33E+01	3.26E+00	2.64E-01	7.79E+01	1.02E+00	3.10E-04	3.26E-01	5.16E-02	1.40E+00	1.15E+00	7.33E+01	3.26E+00	2.64E-01	7.80E+01
2551	493591.88	3860554.64	13.6826	6.98853	29.303	4.59433	1.04E+00	7.46E+01	3.24E+00	2.63E-01	7.91E+01	1.01E+00	3.15E-04	3.24E-01	5.14E-02	1.39E+00	1.14E+00	7.46E+01	3.24E+00	2.63E-01	7.92E+01
2552	492880.5	3860293.11	15.851	7.95643	32.981	4.64311	1.21E+00	8.49E+01	3.65E+00	2.66E-01	9.00E+01	1.17E+00	3.59E-04	3.65E-01	5.20E-02	1.59E+00	1.32E+00	8.49E+01	3.65E+00	2.66E-01	9.01E+01
2553	492930.5	3860293.11	15.7952	7.92563	32.712	4.61158	1.20E+00	8.46E+01	3.62E+00	2.64E-01	8.97E+01	1.17E+00	3.57E-04	3.62E-01	5.16E-02	1.58E+00	1.31E+00	8.46E+01	3.62E+00	2.64E-01	8.98E+01
2554	492980.5	3860293.11	15.684	7.8856	32.396	4.57949	1.20E+00	8.42E+01	3.58E+00	2.62E-01	8.92E+01	1.16E+00	3.55E-04	3.58E-01	5.13E-02	1.57E+00	1.30E+00	8.42E+01	3.58E+00	2.62E-01	8.93E+01
2555	493030.5	3860293.11	15.6161	7.82303	32.06	4.53815	1.19E+00	8.35E+01	3.54E+00	2.60E-01	8.85E+01	1.16E+00	3.53E-04	3.54E-01	5.08E-02	1.56E+00	1.30E+00	8.35E+01	3.54E+00	2.60E-01	8.86E+01
2556	493080.5	3860293.11	15.4893	7.64052	31.309	4.49717	1.18E+00	8.15E+01	3.46E+00	2.57E-01	8.64E+01	1.15E+00	3.44E-04	3.46E-01	5.03E-02	1.54E+00	1.29E+00	8.15E+01	3.46E+00	2.57E-01	8.65E+01
2557	493130.5	3860293.11	15.0903	7.66355	30.763	4.47973	1.15E+00	8.18E+01	3.40E+00	2.56E-01	8.66E+01	1.12E+00	3.45E-04	3.40E-01	5.01E-02	1.51E+00	1.25E+00	8.18E+01	3.40E+00	2.56E-01	8.67E+01
2558	493180.5	3860293.11	14.6641	7.62284	30.978	4.46106	1.12E+00	8.13E+01	3.42E+00	2.55E-01	8.61E+01	1.09E+00	3.44E-04	3.42E-01	4.99E-02	1.48E+00	1.22E+00	8.13E+01	3.42E+00	2.55E-01	8.62E+01

2559	493230.5	3860293.11	14.3478	7.54929	32.303	4.43623	1.09E+00	8.06E+01	3.57E+00	2.54E-01	8.55E+01	1.06E+00	3.40E-04	3.57E-01	4.97E-02	1.47E+00	1.19E+00	8.06E+01	3.57E+00	2.54E-01	8.56E+01
2560	493280.5	3860293.11	14.5409	7.45302	32.546	4.40361	1.11E+00	7.95E+01	3.60E+00	2.52E-01	8.45E+01	1.08E+00	3.36E-04	3.60E-01	4.93E-02	1.49E+00	1.21E+00	7.95E+01	3.60E+00	2.52E-01	8.46E+01
2561	493330.5	3860293.11	14.6494	7.35788	33.203	4.37489	1.12E+00	7.85E+01	3.67E+00	2.50E-01	8.36E+01	1.08E+00	3.32E-04	3.67E-01	4.90E-02	1.50E+00	1.22E+00	7.85E+01	3.67E+00	2.50E-01	8.37E+01
2562	493380.5	3860293.11	14.6956	7.26684	33.927	4.34786	1.12E+00	7.75E+01	3.75E+00	2.49E-01	8.27E+01	1.09E+00	3.28E-04	3.75E-01	4.87E-02	1.51E+00	1.22E+00	7.76E+01	3.75E+00	2.49E-01	8.28E+01
2563	492880.5	3860343.11	15.5841	7.86635	32.929	4.72159	1.19E+00	8.39E+01	3.64E+00	2.70E-01	8.90E+01	1.15E+00	3.55E-04	3.64E-01	5.29E-02	1.57E+00	1.29E+00	8.39E+01	3.64E+00	2.70E-01	8.92E+01
2564	492930.5	3860343.11	15.6174	7.84548	32.779	4.69247	1.19E+00	8.37E+01	3.62E+00	2.68E-01	8.88E+01	1.16E+00	3.54E-04	3.62E-01	5.25E-02	1.57E+00	1.30E+00	8.37E+01	3.62E+00	2.68E-01	8.89E+01
2565	492980.5	3860343.11	15.7414	7.88126	32.981	4.64853	1.20E+00	8.41E+01	3.65E+00	2.66E-01	8.92E+01	1.17E+00	3.55E-04	3.65E-01	5.20E-02	1.58E+00	1.31E+00	8.41E+01	3.65E+00	2.66E-01	8.93E+01
2566	493030.5	3860343.11	15.637	7.83426	32.642	4.62132	1.19E+00	8.36E+01	3.61E+00	2.64E-01	8.87E+01	1.16E+00	3.53E-04	3.61E-01	5.17E-02	1.57E+00	1.30E+00	8.36E+01	3.61E+00	2.64E-01	8.88E+01
2567	493080.5	3860343.11	15.6066	7.76022	32.178	4.58167	1.19E+00	8.28E+01	3.56E+00	2.62E-01	8.78E+01	1.16E+00	3.50E-04	3.56E-01	5.13E-02	1.56E+00	1.30E+00	8.28E+01	3.56E+00	2.62E-01	8.79E+01
2568	493130.5	3860343.11	15.3479	7.72196	31.699	4.55902	1.17E+00	8.24E+01	3.50E+00	2.61E-01	8.73E+01	1.14E+00	3.48E-04	3.50E-01	5.10E-02	1.54E+00	1.27E+00	8.24E+01	3.50E+00	2.61E-01	8.74E+01
2569	493180.5	3860343.11	14.9828	7.67364	31.161	4.54306	1.14E+00	8.19E+01	3.45E+00	2.60E-01	8.67E+01	1.11E+00	3.46E-04	3.45E-01	5.09E-02	1.50E+00	1.24E+00	8.19E+01	3.45E+00	2.60E-01	8.68E+01
2570	493230.5	3860343.11	14.6657	7.61417	30.54	4.51815	1.12E+00	8.13E+01	3.38E+00	2.58E-01	8.60E+01	1.09E+00	3.43E-04	3.38E-01	5.06E-02	1.47E+00	1.22E+00	8.13E+01	3.38E+00	2.58E-01	8.61E+01
2571	493280.5	3860343.11	14.3774	7.55318	30.473	4.48574	1.10E+00	8.06E+01	3.37E+00	2.57E-01	8.53E+01	1.06E+00	3.40E-04	3.37E-01	5.02E-02	1.45E+00	1.19E+00	8.06E+01	3.37E+00	2.57E-01	8.54E+01
2572	493330.5	3860343.11	14.2154	7.47761	31.118	4.45631	1.08E+00	7.98E+01	3.44E+00	2.55E-01	8.46E+01	1.05E+00	3.37E-04	3.44E-01	4.99E-02	1.45E+00	1.18E+00	7.98E+01	3.44E+00	2.55E-01	8.47E+01
2573	493380.5	3860343.11	14.3415	7.40667	32.105	4.43028	1.09E+00	7.90E+01	3.55E+00	2.53E-01	8.39E+01	1.06E+00	3.34E-04	3.55E-01	4.96E-02	1.47E+00	1.19E+00	7.90E+01	3.55E+00	2.53E-01	8.40E+01
2574	492880.5	3860393.11	15.1427	7.60536	32.553	4.787	1.15E+00	8.12E+01	3.60E+00	2.74E-01	8.62E+01	1.12E+00	3.43E-04	3.60E-01	5.36E-02	1.53E+00	1.26E+00	8.12E+01	3.60E+00	2.74E-01	8.63E+01
2575	492930.5	3860393.11	15.3045	7.70771	32.624	4.75681	1.17E+00	8.23E+01	3.61E+00	2.72E-01	8.73E+01	1.13E+00	3.47E-04	3.61E-01	5.32E-02	1.55E+00	1.27E+00	8.23E+01	3.61E+00	2.72E-01	8.74E+01
2576	492980.5	3860393.11	15.448	7.73687	32.736	4.72273	1.18E+00	8.26E+01	3.62E+00	2.70E-01	8.76E+01	1.14E+00	3.49E-04	3.62E-01	5.29E-02	1.56E+00	1.28E+00	8.26E+01	3.62E+00	2.70E-01	8.77E+01
2577	493030.5	3860393.11	15.4987	7.7403	32.691	4.69155	1.18E+00	8.26E+01	3.61E+00	2.68E-01	8.77E+01	1.15E+00	3.49E-04	3.61E-01	5.25E-02	1.56E+00	1.29E+00	8.26E+01	3.61E+00	2.68E-01	8.78E+01
2578	493080.5	3860393.11	15.5761	7.7349	32.726	4.65207	1.19E+00	8.25E+01	3.62E+00	2.66E-01	8.76E+01	1.15E+00	3.49E-04	3.62E-01	5.21E-02	1.57E+00	1.29E+00	8.25E+01	3.62E+00	2.66E-01	8.77E+01
2579	493130.5	3860393.11	15.3903	7.69745	32.314	4.63265	1.17E+00	8.21E+01	3.57E+00	2.65E-01	8.72E+01	1.14E+00	3.47E-04	3.57E-01	5.19E-02	1.55E+00	1.28E+00	8.21E+01	3.57E+00	2.65E-01	8.73E+01
2580	493180.5	3860393.11	15.1224	7.62842	31.62	4.61715	1.15E+00	8.14E+01	3.50E+00	2.64E-01	8.63E+01	1.12E+00	3.44E-04	3.50E-01	5.17E-02	1.52E+00	1.26E+00	8.14E+01	3.50E+00	2.64E-01	8.64E+01
2581	493230.5	3860393.11	14.9068	7.59062	31.18	4.59111	1.14E+00	8.10E+01	3.45E+00	2.63E-01	8.59E+01	1.10E+00	3.42E-04	3.45E-01	5.14E-02	1.50E+00	1.24E+00	8.10E+01	3.45E+00	2.63E-01	8.60E+01
2582	493280.5	3860393.11	14.7124	7.56731	30.869	4.5584	1.12E+00	8.08E+01	3.41E+00	2.61E-01	8.56E+01	1.09E+00	3.41E-04	3.41E-01	5.10E-02	1.48E+00	1.22E+00	8.08E+01	3.41E+00	2.61E-01	8.57E+01
2583	493330.5	3860393.11	14.4417	7.51922	30.281	4.52956	1.10E+00	8.02E+01	3.35E+00	2.59E-01	8.50E+01	1.07E+00	3.39E-04	3.35E-01	5.07E-02	1.46E+00	1.20E+00	8.02E+01	3.35E+00	2.59E-01	8.50E+01
2584	493380.5	3860393.11	14.1003	7.46545	29.932	4.50367	1.07E+00	7.97E+01	3.31E+00	2.58E-01	8.43E+01	1.04E+00	3.37E-04	3.31E-01	5.04E-02	1.43E+00	1.17E+00	7.97E+01	3.31E+00	2.58E-01	8.44E+01
2585	492880.5	3860443.11	14.571	7.70917	31.935	4.83598	1.11E+00	8.23E+01	3.53E+00	2.77E-01	8.72E+01	1.08E+00	3.48E-04	3.53E-01	5.41E-02	1.49E+00	1.21E+00	8.23E+01	3.53E+00	2.77E-01	8.73E+01
2586	492930.5	3860443.11	14.7777	7.61382	32.045	4.81195	1.13E+00	8.13E+01	3.54E+00	2.75E-01	8.62E+01	1.09E+00	3.43E-04	3.54E-01	5.39E-02	1.50E+00	1.23E+00	8.13E+01	3.54E+00	2.75E-01	8.63E+01
2587	492980.5	3860443.11	14.9988	7.51159	32.243	4.78062	1.14E+00	8.02E+01	3.56E+00	2.73E-01	8.51E+01	1.11E+00	3.39E-04	3.56E-01	5.35E-02	1.52E+00	1.25E+00	8.02E+01	3.56E+00	2.73E-01	8.52E+01
2588	493030.5	3860443.11	15.1644	7.55	32.37	4.75059	1.16E+00	8.06E+01	3.58E+00	2.72E-01	8.56E+01	1.12E+00	3.40E-04	3.58E-01	5.32E-02	1.53E+00	1.26E+00	8.06E+01	3.58E+00	2.72E-01	8.57E+01
2589	493080.5	3860443.11	15.2139	7.54576	32.296	4.72506	1.16E+00	8.05E+01	3.57E+00	2.70E-01	8.55E+01	1.13E+00	3.40E-04	3.57E-01	5.29E-02	1.54E+00	1.26E+00	8.05E+01	3.57E+00	2.70E-01	8.56E+01
2590	493130.5	3860443.11	15.2104	7.53686	32.155	4.69935	1.16E+00	8.04E+01	3.56E+00	2.69E-01	8.54E+01	1.13E+00	3.40E-04	3.56E-01	5.26E-02	1.53E+00	1.26E+00	8.04E+01	3.56E+00	2.69E-01	8.55E+01
2591	493180.5	3860443.11	15.0556	7.47782	31.682	4.68299	1.15E+00	7.98E+01	3.50E+00	2.68E-01	8.47E+01	1.11E+00	3.37E-04	3.50E-01	5.24E-02	1.52E+00	1.25E+00	7.98E+01	3.50E+00	2.68E-01	8.48E+01
2592	493230.5	3860443.11	15.0123	7.49626	31.593	4.65046	1.14E+00	8.00E+01	3.49E+00	2.66E-01	8.49E+01	1.11E+00	3.38E-04	3.49E-01	5.21E-02	1.51E+00	1.25E+00	8.00E+01	3.49E+00	2.66E-01	8.50E+01
2593	493280.5	3860443.11	14.8749	7.48938	31.322	4.62228	1.13E+00	7.99E+01	3.46E+00	2.64E-01	8.48E+01	1.10E+00	3.38E-04	3.46E-01	5.17E-02	1.50E+00	1.23E+00	7.99E+01	3.46E+00	2.64E-01	8.49E+01
2594	493330.5	3860443.11	14.7136	7.47817	31.074	4.59145	1.12E+00	7.98E+01	3.44E+00	2.63E-01	8.46E+01	1.09E+00	3.37E-04	3.44E-01	5.14E-02	1.48E+00	1.22E+00	7.98E+01	3.44E+00	2.63E-01	8.47E+01
2595	493380.5	3860443.11	14.423	7.43902	30.53	4.5694	1.10E+00	7.94E+01	3.38E+00	2.61E-01	8.41E+01	1.07E+00	3.35E-04	3.38E-01	5.12E-02	1.46E+00	1.20E+00	7.94E+01	3.38E+00	2.61E-01	8.42E+01
2596	493180.5	3860493.11	14.9147	7.35933	31.693	4.72565	1.14E+00	7.85E+01	3.50E+00	2.70E-01	8.34E+01	1.10E+00	3.32E-04	3.50E-01	5.29E-02	1.51E+00	1.24E+00	7.85E+01	3.50E+00	2.70E-01	8.35E+01
2597	493230.5	3860493.11	14.9261	7.32512	31.63	4.69915	1.14E+00	7.82E+01	3.50E+00	2.69E-01	8.31E+01	1.11E+00	3.30E-04	3.50E-01	5.26E-02	1.51E+00	1.24E+00	7.82E+01	3.50E+00	2.69E-01	8.32E+01
2598	493280.5	3860493.11	14.8934	7.33943	31.521	4.67188	1.14E+00	7.83E+01	3.49E+00	2.67E-01	8.32E+01	1.10E+00	3.31E-04	3.49E-01	5.23E-02	1.50E+00	1.24E+00	7.83E+01	3.49E+00	2.67E-01	8.33E+01
2599	493330.5	3860493.11	14.7795	7.33826	31.289	4.64653	1.13E+00	7.83E+01	3.46E+00	2.66E-01	8.32E+01	1.09E+00	3.31E-04	3.46E-01	5.20E-02	1.49E+00	1.23E+00	7.83E+01	3.46E+00	2.66E-01	8.33E+01
2600	493380.5	3860493.11	14.5715	7.3095	30.855	4.62641	1.11E+00	7.80E+01	3.41E+00	2.65E-01	8.28E+01	1.08E+00	3.30E-04	3.41E-01	5.18E-02	1.47E+00	1.21E+00	7.80E+01	3.41E+00	2.65E-01	8.29E+01
2601	493330.5	3860543.11	14.7258	7.26183	31.33	4.68359	1.12E+00	7.75E+01	3.46E+00	2.68E-01	8.24E+01	1.09E+00	3.27E-04	3.46E-01	5.24E-02	1.49E+00	1.22E+00	7.75E+01	3.46E+00	2.68E-01	8.25E+01
2602	493380.5	3860543.11	14.6011	7.16569	31.014	4.66586	1.11E+00	7.65E+01	3.43E+00	2.67E-01	8.13E+01	1.08E+00	3.23E-04	3.43E-01	5.22E-02	1.48E+00	1.21E+00	7.65E+01	3.43E+00	2.67E-01	8.14E+01
2603	494135.94	3860876.85	12.3902	6.55477	27.397	4.36476	9.44E-01	7.00E+01	3.03E+00	2.50E-01	7.42E+01	9.17E-01	2.95E-04	3.03E-01	4.89E-02	1.27E+00	1.03E+00	7.00E+01	3.03E+00	2.50E-01	7.43E+01
2604	494185.94	3860876.85	12.1507	6.50544	27.086	4.35791	9.26E-01	6.94E+01	2.99E+00	2.49E-01	7.36E+01	9.00E-01	2.93E-04	2.99E-01	4.88E-02	1.25E+00	1.01E+00	6.94E+01	2.99E+00	2.49E-01	7.37E+01
2605	494135.94	3860926.85	12.5073	6.5489	27.447	4.34394	9.53E-01	6.99E+01	3.03E+00	2.48E-01	7.41E+01	9.26E-01	2.95E-04	3.03E-01	4.86E-02	1.28E+00	1.04E+00	6.99E+01	3.03E+00	2.48E-01	7.42E+01
2606	494185.94	3860926.85	12.3333	6.5121	27.247	4.32006	9.40E-01	6.95E+01	3.01E+00	2.47E-01	7.37E+01	9.13E-01	2.94E-04	3.01E-01	4.84E-02	1.26E+00	1.02E+00	6.95E+01	3.01E+00	2.47E-01	7.38E+01
2607	494135.94	3860976.85	12.5184	6.50506	27.322	4.41152	9.54E-01	6.94E+01	3.02E+00	2.52E-01	7.36E+01	9.27E-01	2.93E-04	3.02E-01	4.94E-02	1.28E+00	1.04E+00	6.94E+01	3.02E+00	2.52E-01	7.37E+01
2608	494185.94	3860976.85	12.4095	6.48001	27.222	4.38918	9.46E-01	6.92E+01	3.01E+00	2.51E-01	7.34E+01	9.19E-01	2.92E-04	3.01E-01	4.91E-02	1.27E+00	1.03E+00	6.92E+01	3.01E+00	2.51E-01	7.34E+01
2609	494135.94	3861026.85	12.4037	6.50233	26.988	4.46888	9.45E-01	6.94E+01	2.98E+00	2.56E-01	7.36E+01	9.18E-01	2.93E-04	2.98E-01	5.00E-02	1.27E+00	1.03E+00	6.94E+01	2.98E+00	2.56E-01	7.37E+01
2610	494185.94	3861026.85	12.3668	6.433	26.991	4.44919	9.43E-01	6.87E+01	2.98E+00	2.54E-01	7.28E+01	9.16E-01	2.90E-04	2.98E-01	4.98E-02	1.26E+00	1.03E+00	6.87E+01	2.98E+00	2.54E-01	7.29E+01
2611	494135.94	3861076.85	12.1844	6.57918	26.485	4.51967	9.29E-01	7.02E+01	2.93E+00	2.58E-01	7.43E+01	9.02E-01	2.97E-04	2.93E-01	5.06E-02	1.25E+00	1.01E+00	7.02E+01	2.93E+00	2.58E-01	7.44E+01
2612	494185.94	3861076.85	12.2131	6.51664	26.575	4.50048	9.31E-01	6.95E+01	2.94E+00	2.57E-01	7.37E+01	9.04E-01	2.94E-04	2.94E-01	5.04E-02	1.25E+00	1.01E+00	6.95E+01	2.94E+00	2.57E-01	7.38E+01
2613	490360.04	3858710.04	26.1543	9.26903	36.565	4.86092	1.99E+00	9.89E+01	4.04E+00	2.78E-01	1.05E+02	1.94E+00	4.18E-04	4.04E-01	5.44E-02	2.40E+00	2.17E+00	9.89E+01	4.04E+00	2.78E-01	1.05E+02
2614	490410.04	3858710.04	26.1514	9.01274	36.767	4.99776	1.99E+00	9.62E+01	4.07E+00	2.86E-01	1.03E+02	1.94E+00	4.06E-04	4.07E-01	5.59E-02	2.40E+00	2.17E+00	9.62E+01	4.07E+00	2.86E-01	1.03E+02
2615	490460.04	3858710.04	26.07	8.58174	37.341	5.24971	1.99E+00	9.16E+01	4.13E+00	3.00E-01	9.80E+01	1.93E+00	3.87E-04	4.13E-01	5.88E-02	2.40E+00	2.16E+00	9.16E+01	4.13E+00	3.00E-01	9.82E+01
2616	490510.04	3858710.04	25.8063	8.32342	37.872	5.51069	1.97E+00	8.88E+01	4.19E+00	3.15E-01	9.53E+01	1.91E+00	3.75E-04	4.19E-01	6.17E-02	2.39E+00	2.14E+00	8.88E+01	4.19E+00	3.15E-01	9.55E+01
2617	490560.04	3858710.04	25.4238	8.12309	38.345	5.68516	1.94E+00	8.67E+01	4.24E+00	3.25E-01	9.32E+01	1.88E+00	3.66E-04	4.24E-01	6.36E-02	2.37E+00	2.11E+00	8.67E+01	4.24E+00	3.25E-01	9.34E+01
2618	490610.04	3858710.04	24.9561	7.89304	38.754	5.85043	1.90E+00	8.42E+01	4.28E+00	3.35E-01	9.08E+01	1.85E+00	3.56E-04	4.28E-01	6.55E-02	2.34E+00	2.07E+00	8.42E+01	4.28E+00	3.35E-01	9.09E+01
2619	490660.04	3858710.04	24.3701	7.82922	39.119	5.82952	1.86E+00	8.36E+01	4.33E+00	3.33E-01	9.01E+01	1.80E+00	3.53E-04	4.33E-01	6.53E-02	2.30E+00	2.02E+00	8.36E+01	4.33E+00	3.33E-01	9.02E+01